

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
 Data File : VN056324.D
 Acq On : 14 Jun 2019 20:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 9:45:29 AM

Quant Time: Jun 15 00:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	305431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	482159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	175715	57.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.88%	
35) Dibromofluoromethane	7.59	113	157208	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.09	98	571031	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	198114	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	158959	47.392	ug/l	100
3) Chloromethane	2.06	50	175615	53.042	ug/l	99
4) Vinyl Chloride	2.18	62	174455	52.529	ug/l	99
5) Bromomethane	2.52	94	94383	44.989	ug/l	100
6) Chloroethane	2.68	64	102302	53.128	ug/l	100
7) Trichlorofluoromethane	3.00	101	224993	53.067	ug/l	99
8) Diethyl Ether	3.40	74	93276	53.498	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	141705	55.021	ug/l	98
10) Methyl Iodide	3.94	142	182521	44.595	ug/l	98
11) Tert butyl alcohol	4.82	59	142092	269.241	ug/l	98
12) 1,1-Dichloroethene	3.72	96	137276	53.539	ug/l	98
13) Acrolein	3.60	56	35732	234.759	ug/l	95
14) Allyl chloride	4.31	41	233044	57.559	ug/l	98
15) Acrylonitrile	4.99	53	433797	337.665	ug/l	100
16) Acetone	3.82	43	387569	267.209	ug/l	99
17) Carbon Disulfide	4.04	76	288317	46.963	ug/l	100
18) Methyl Acetate	4.33	43	211056	74.361	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	473052	57.880	ug/l	99
20) Methylene Chloride	4.54	84	168076	56.246	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	144181	52.482	ug/l	99
22) Diisopropyl ether	5.96	45	503920	60.210	ug/l	100
23) Vinyl Acetate	5.90	43	2028141	307.717	ug/l	100
24) 1,1-Dichloroethane	5.84	63	286104	59.262	ug/l	99
25) 2-Butanone	6.84	43	580161	316.582	ug/l	98
26) 2,2-Dichloropropane	6.82	77	185006	49.110	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	179103	55.461	ug/l	100
28) Bromochloromethane	7.19	49	141104	61.805	ug/l	95
29) Tetrahydrofuran	7.22	42	373620	329.823	ug/l	98
30) Chloroform	7.37	83	287221	59.140	ug/l	99
31) Cyclohexane	7.65	56	240263	49.928	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	231187	57.005	ug/l	98
36) 1,1-Dichloropropene	7.79	75	202052	48.735	ug/l	99
37) Ethyl Acetate	6.93	43	222216	60.240	ug/l	98
38) Carbon Tetrachloride	7.77	117	201248	52.651	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	235046	45.511	ug/l	99
40) Benzene	8.04	78	641941	50.980	ug/l	99
41) Methacrylonitrile	7.18	41	104431	61.531	ug/l	96
42) 1,2-Dichloroethane	8.12	62	217352	53.662	ug/l	99
43) Isopropyl Acetate	8.17	43	338631	56.650	ug/l	99
44) Trichloroethene	8.83	130	173817	48.038	ug/l	97
45) 1,2-Dichloropropane	9.12	63	179487	55.649	ug/l	100
46) Dibromomethane	9.21	93	115463	54.744	ug/l	97
47) Bromodichloromethane	9.40	83	223688	58.517	ug/l	99
48) Methyl methacrylate	9.20	41	174891	59.803	ug/l	97
49) 1,4-Dioxane	9.21	88	70162	1111.299	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1111714	297.399	ug/l	100
52) Toluene	10.16	92	400534	51.118	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	219944	49.120	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	259242	56.420	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	172024	55.424	ug/l	97
56) Ethyl methacrylate	10.43	69	257966	56.970	ug/l	99
57) 1,3-Dichloropropane	10.71	76	281594	55.810	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	414803	232.176	ug/l	97
59) 2-Hexanone	10.75	43	776574	286.632	ug/l	100
60) Dibromochloromethane	10.90	129	181052	52.748	ug/l	99
61) 1,2-Dibromoethane	11.00	107	176185	55.526	ug/l	99
64) Tetrachloroethene	10.63	164	171256	45.544	ug/l	97
65) Chlorobenzene	11.43	112	440857	50.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	168868	56.569	ug/l	99
67) Ethyl Benzene	11.51	91	759968	50.553	ug/l	100
68) m/p-Xylenes	11.62	106	571798	99.568	ug/l	99
69) o-Xylene	11.95	106	282090	49.937	ug/l	97
70) Styrene	11.96	104	478600	53.324	ug/l	99
71) Bromoform	12.13	173	131776	52.438	ug/l #	100
73) Isopropylbenzene	12.25	105	752986	58.272	ug/l	99
74) N-amyl acetate	12.07	43	278505	57.237	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	240631	56.786	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	197740m	58.873	ug/l	
77) Bromobenzene	12.53	156	200052	51.189	ug/l	98
78) n-propylbenzene	12.59	91	815465	52.806	ug/l	99
79) 2-Chlorotoluene	12.67	91	498677	58.619	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	617372	50.303	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59479	58.973	ug/l	90
82) 4-Chlorotoluene	12.77	91	480603	53.196	ug/l	100
83) tert-Butylbenzene	12.99	119	558606	59.161	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	605940	52.063	ug/l	100
85) sec-Butylbenzene	13.17	105	704103	51.485	ug/l	100
86) p-Isopropyltoluene	13.29	119	625929	51.140	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	316926	52.397	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	301104	51.749	ug/l	100
89) n-Butylbenzene	13.61	91	465202	51.308	ug/l	99
90) Hexachloroethane	13.87	117	111398	60.352	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	312010	51.093	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39820	65.700	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137350	41.599	ug/l	99
94) Hexachlorobutadiene	15.01	225	109683	52.471	ug/l	100
95) Naphthalene	15.13	128	392631	45.358	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	158085	46.332	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

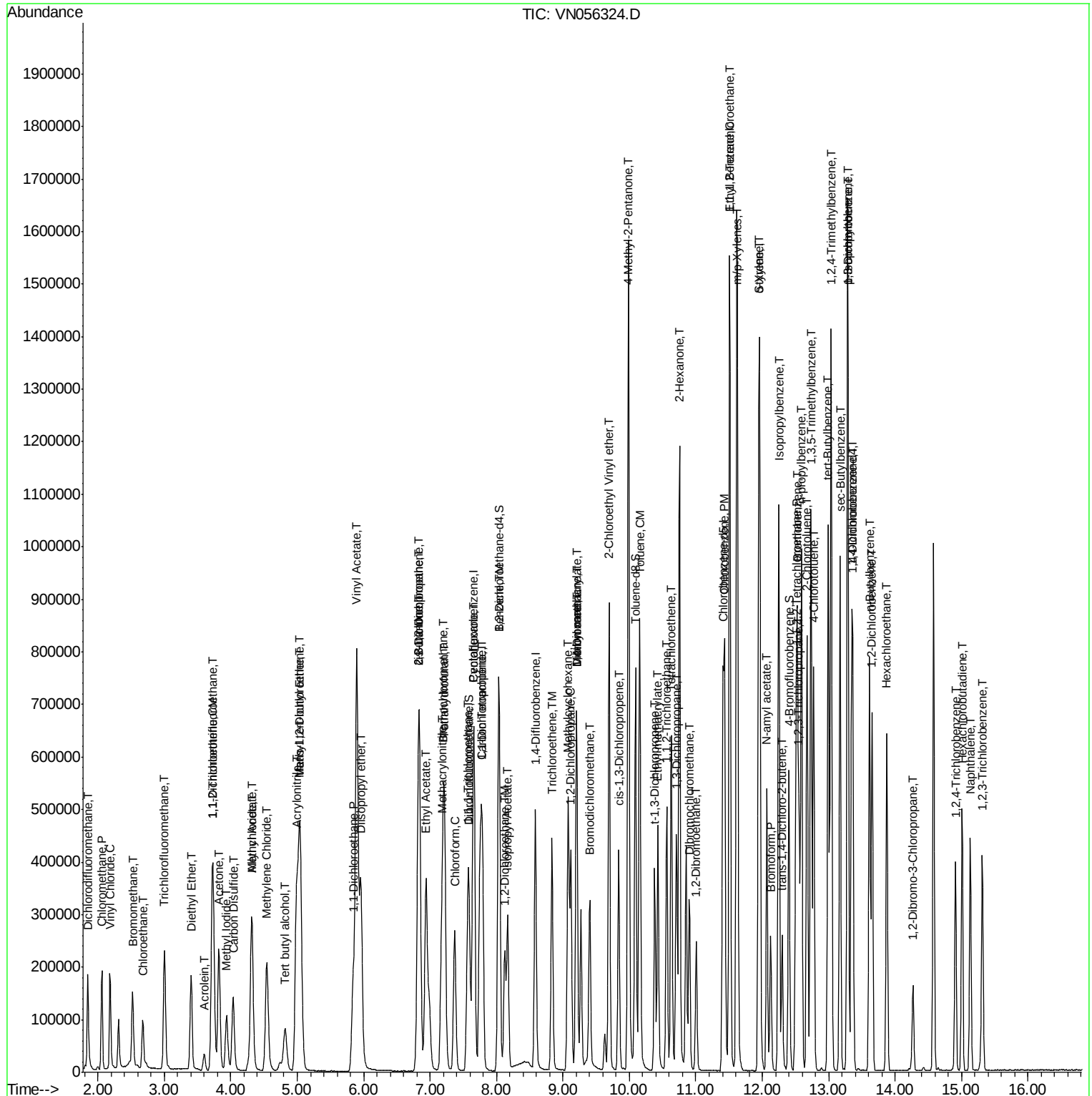
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Data File : VN056324.D
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Operator : JC/SP
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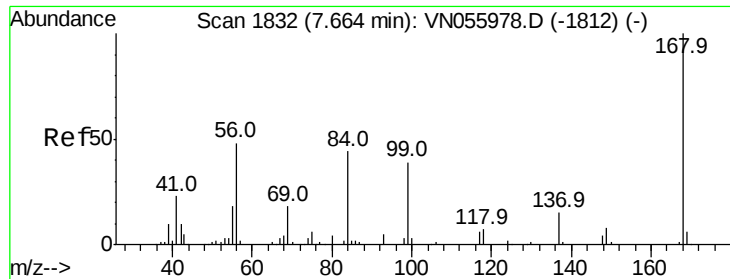
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 305431

Ion Ratio Lower Upper

168 100

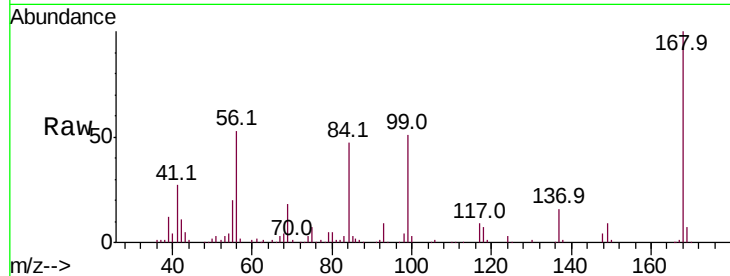
99 50.4 37.2 55.8

Manual Integrations

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6/17/2019 9:45:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

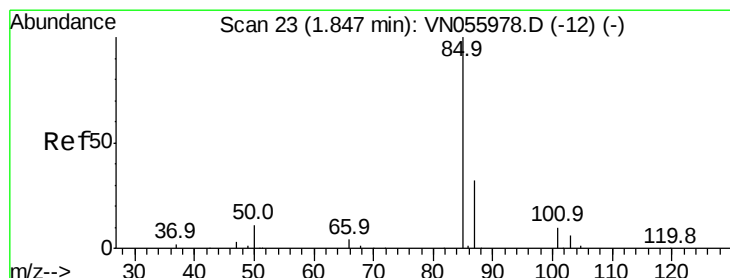
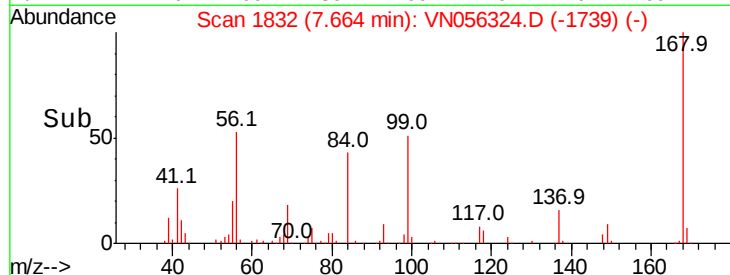
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.392 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056324.D

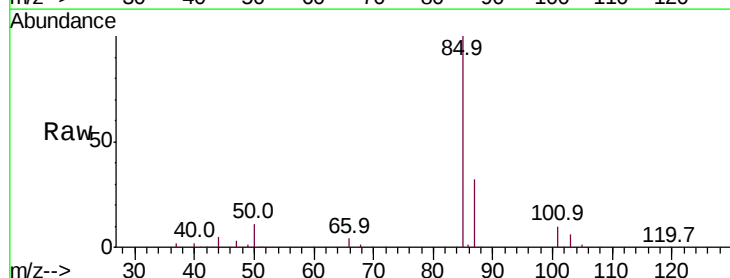
Acq: 14 Jun 2019 20:01

Tgt Ion: 85 Resp: 158959

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

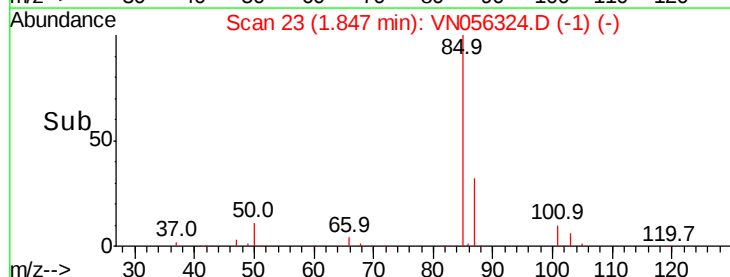
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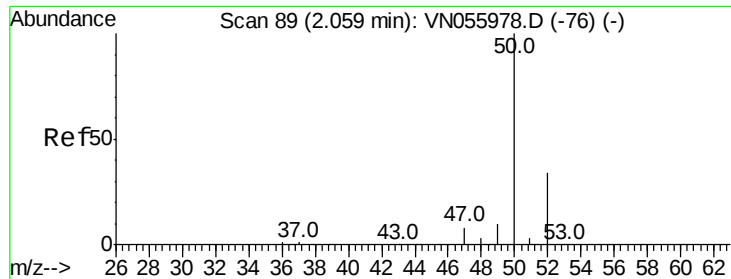
40000

20000

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Time-->





#3

Chloromethane

Concen: 53.042 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 175615

Ion Ratio Lower Upper

50 100

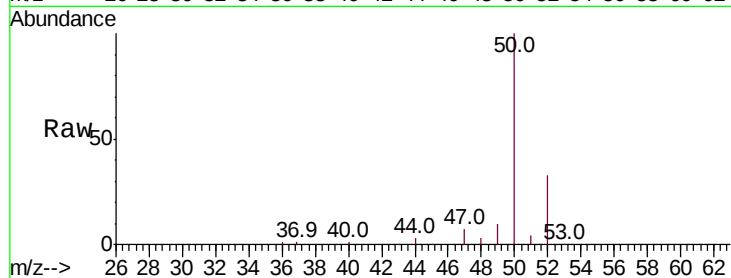
52 32.7 26.6 40.0

Manual Integrations

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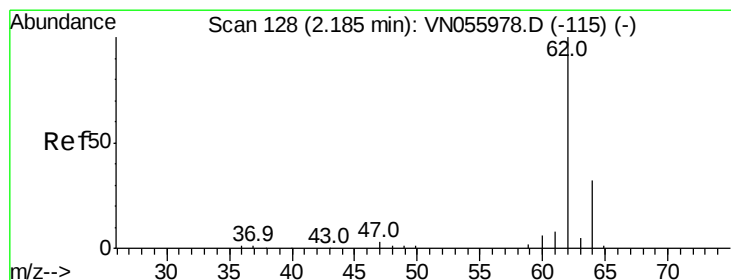
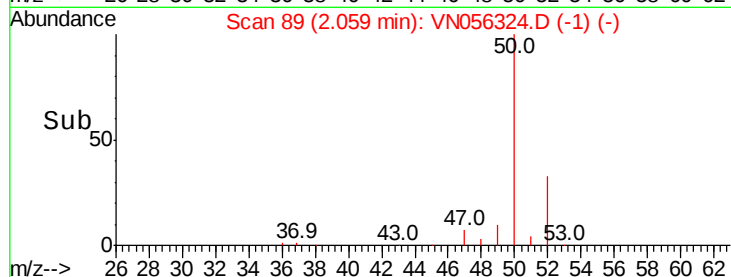
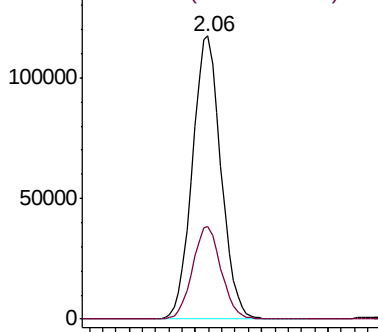
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 52.529 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056324.D

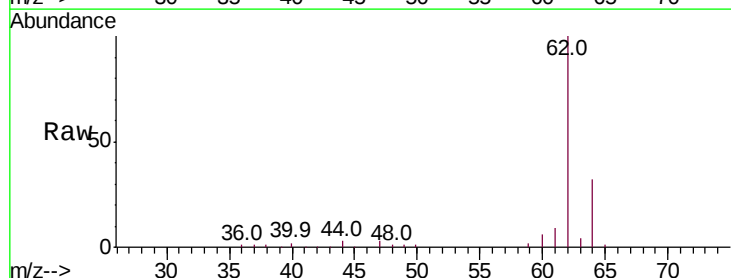
Acq: 14 Jun 2019 20:01

Tgt Ion: 62 Resp: 174455

Ion Ratio Lower Upper

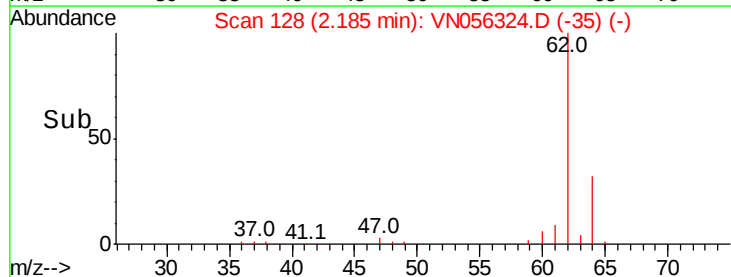
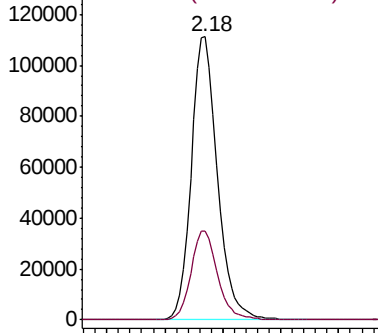
62 100

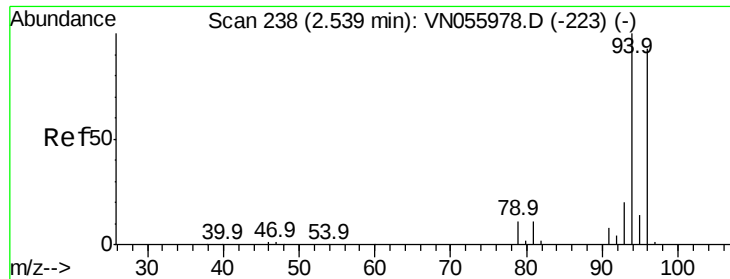
64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





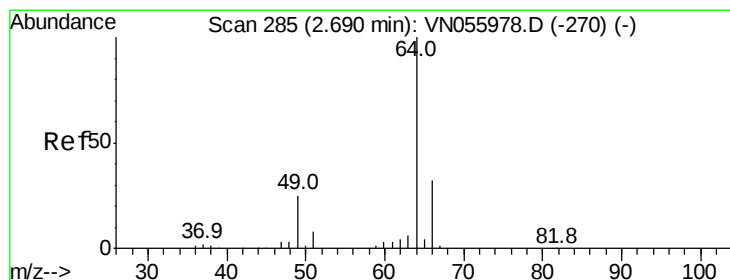
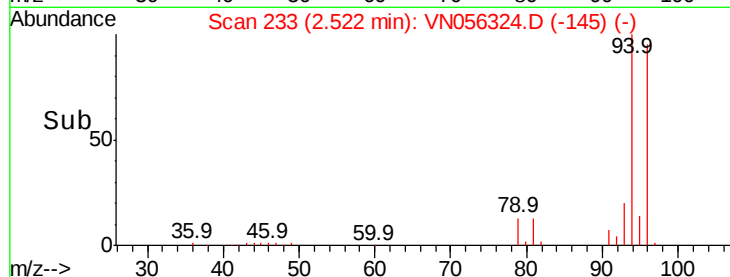
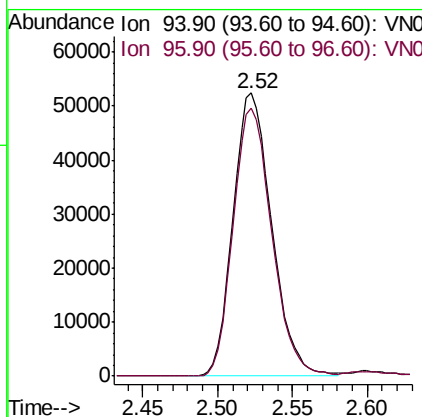
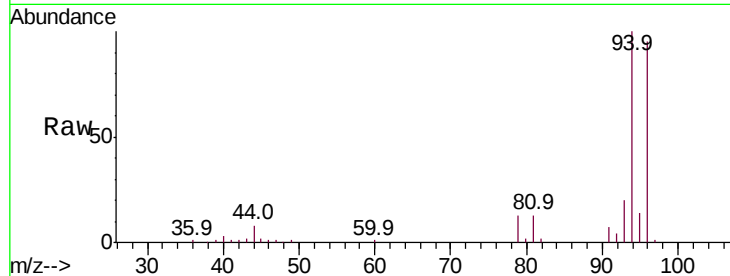
#5
Bromomethane
Concen: 44.989 ug/l
RT: 2.52 min Scan# 233
Delta R.T. -0.02 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 94383
Ion Ratio Lower Upper
94 100
96 94.6 75.5 113.3

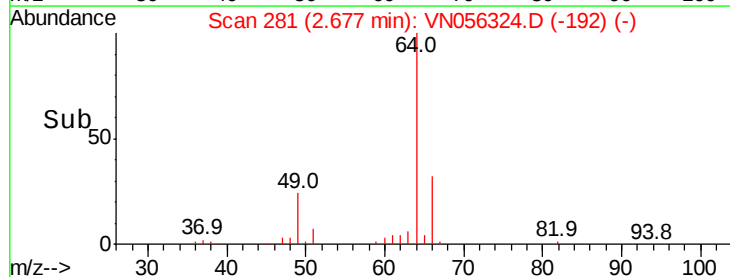
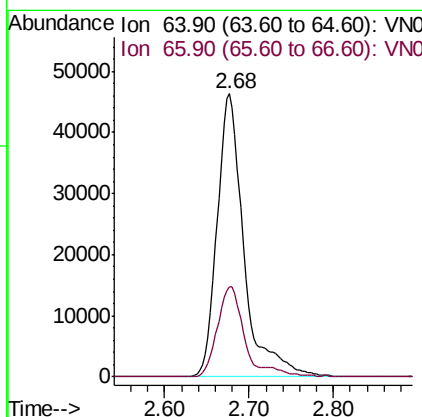
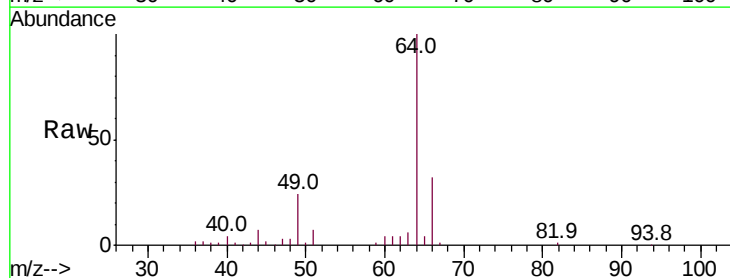
Manual Integrations
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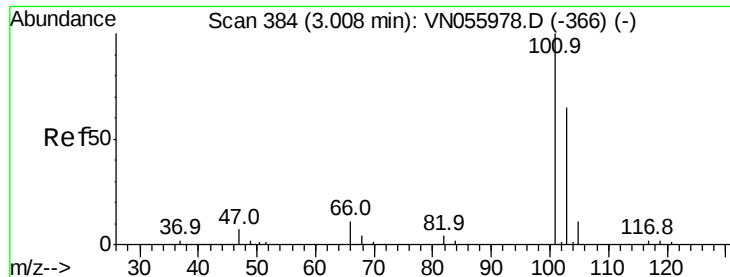
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6/17/2019 9:45:29 AM



#6
Chloroethane
Concen: 53.128 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.01 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion: 64 Resp: 102302
Ion Ratio Lower Upper
64 100
66 31.8 25.4 38.0





#7

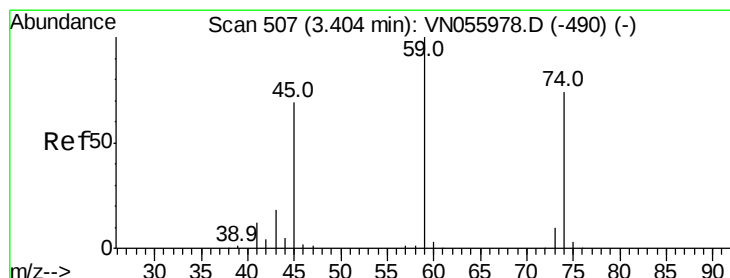
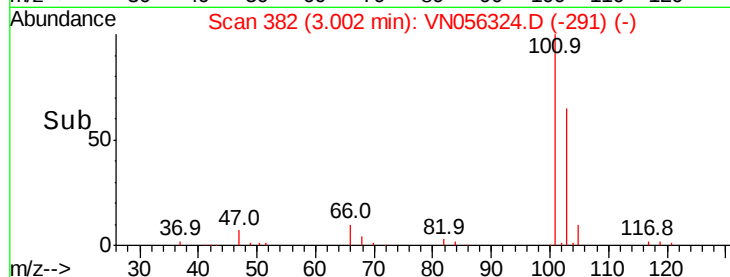
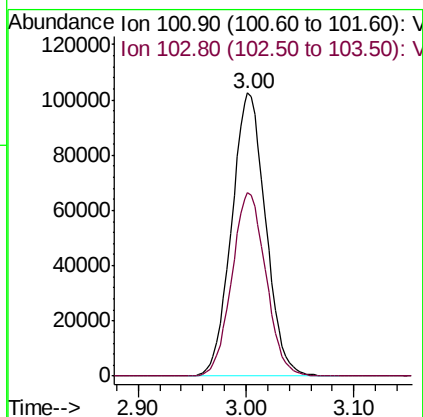
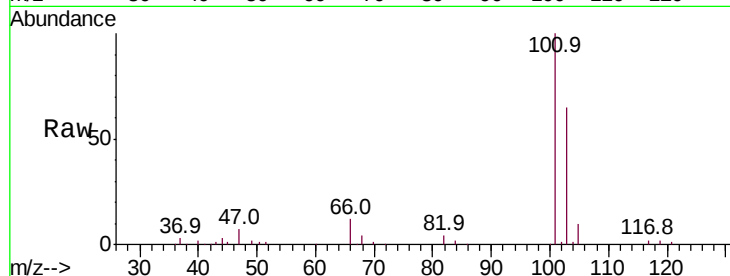
Trichlorofluoromethane
Concen: 53.067 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 224993
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8

Manual Integrations
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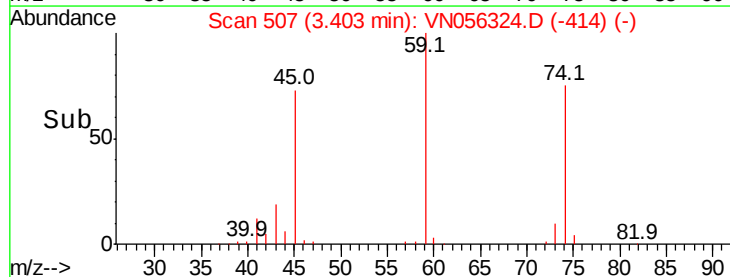
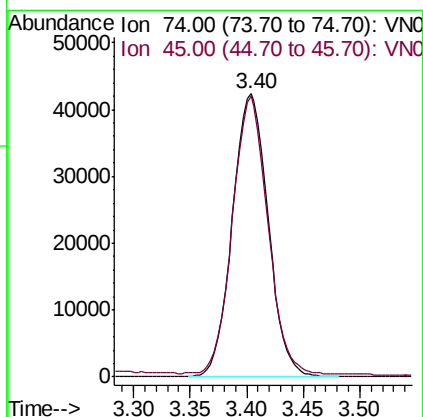
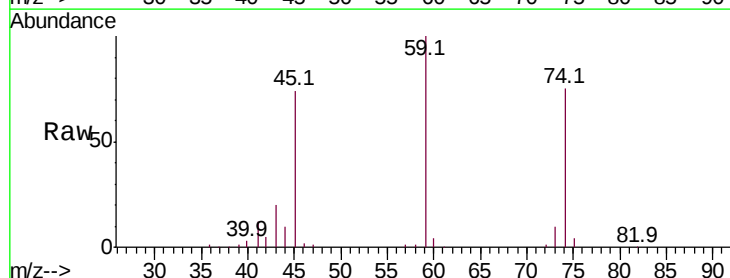
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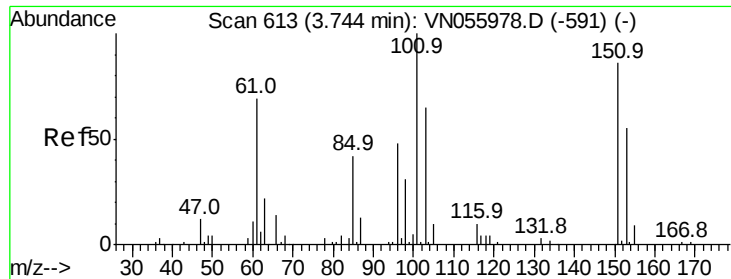


#8

Diethyl Ether
Concen: 53.498 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion: 74 Resp: 93276
Ion Ratio Lower Upper
74 100
45 96.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.021 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 141705

Ion Ratio Lower Upper

101 100

85 41.5 33.4 50.2

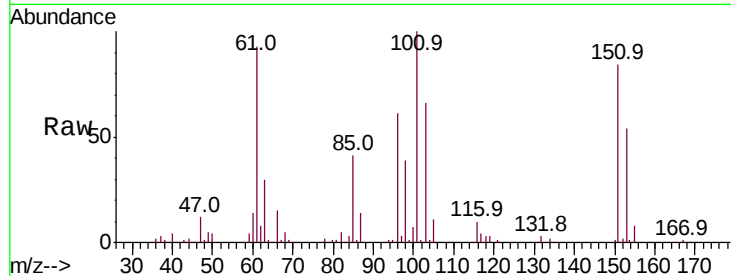
151 84.1 69.4 104.2

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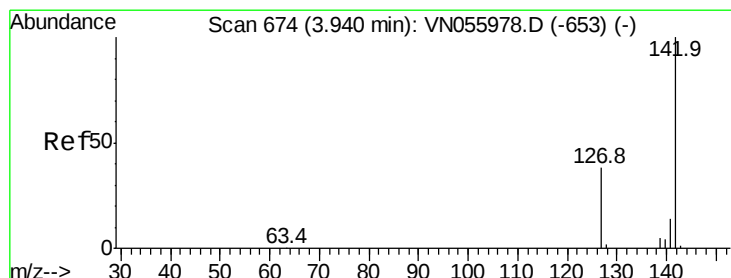
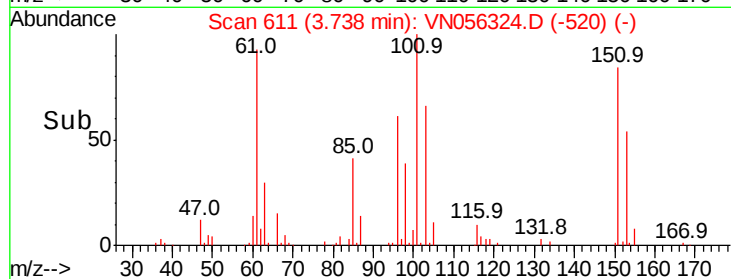
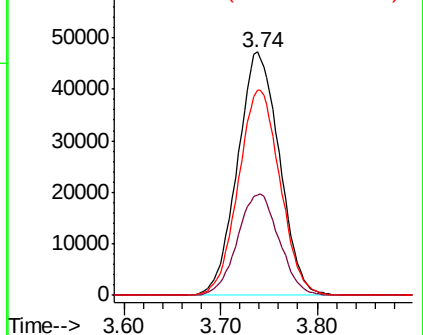
6/17/2019 9:45:29 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.595 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

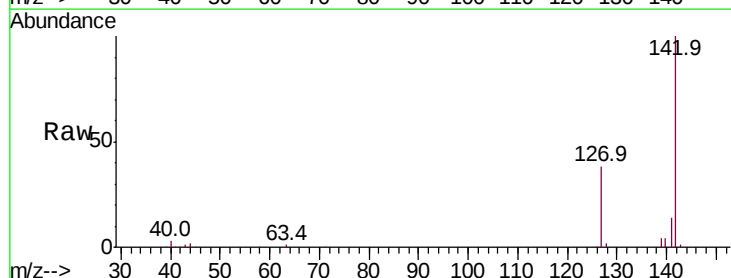
Tgt Ion:142 Resp: 182521

Ion Ratio Lower Upper

142 100

127 37.5 31.0 46.4

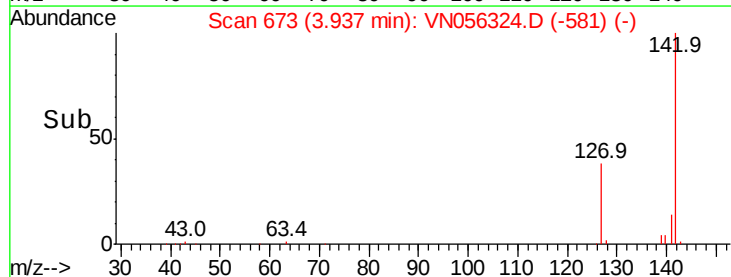
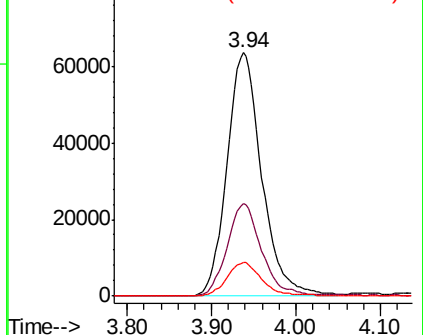
141 13.8 11.4 17.0

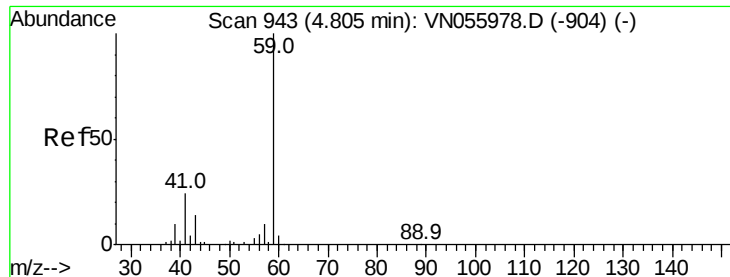


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





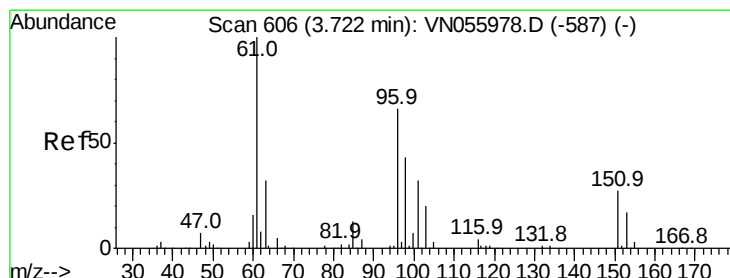
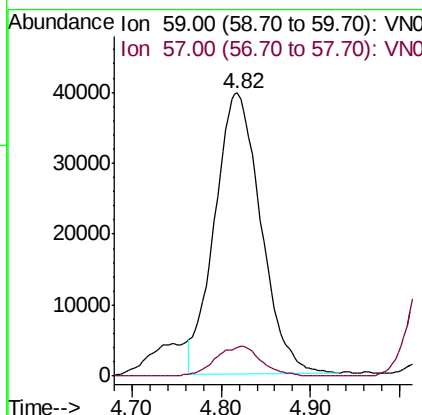
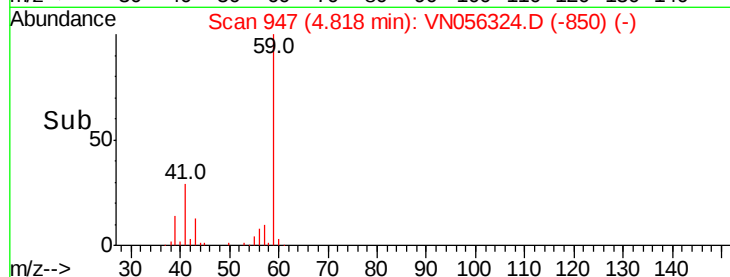
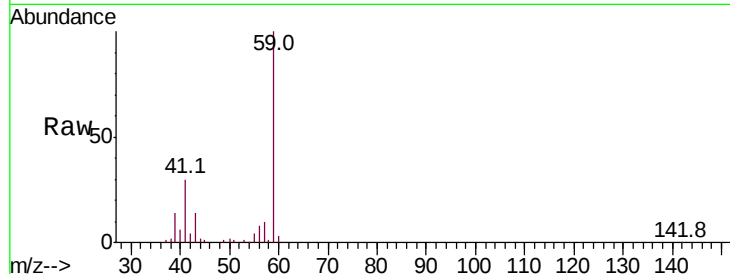
#11
Tert butyl alcohol
Concen: 269.241 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 142092
Ion Ratio Lower Upper
59 100
57 10.6 7.8 11.6

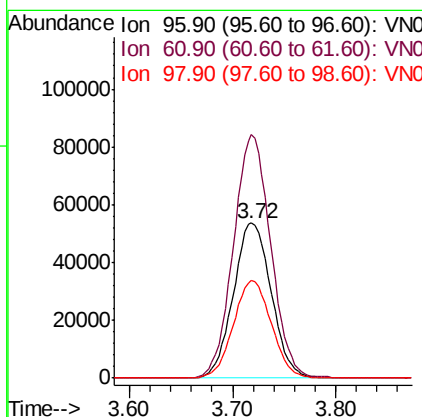
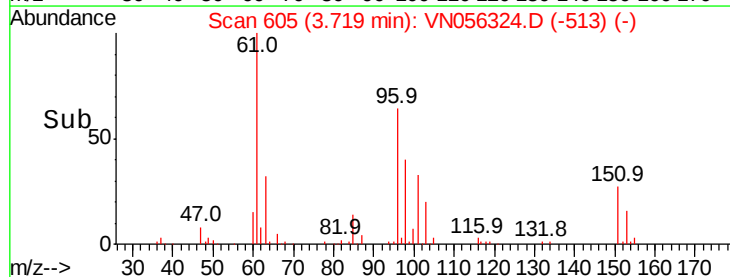
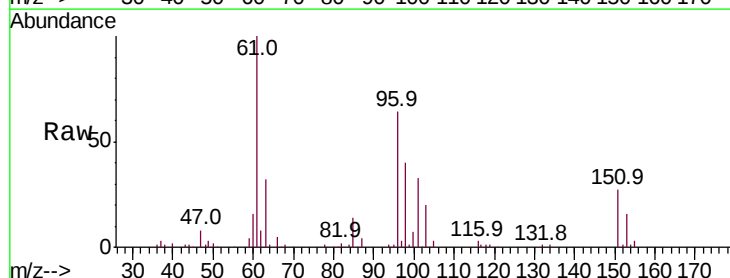
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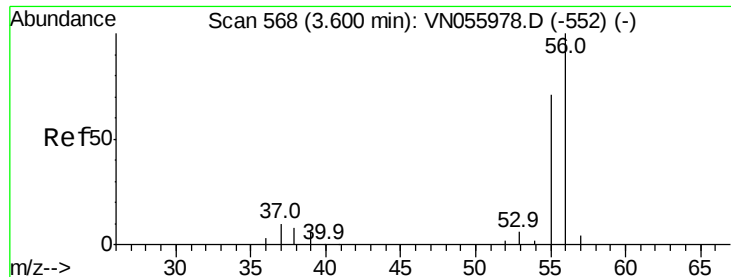
MMDadoda
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#12
1,1-Dichloroethene
Concen: 53.539 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion: 96 Resp: 137276
Ion Ratio Lower Upper
96 100
61 156.9 123.2 184.8
98 63.1 50.4 75.6





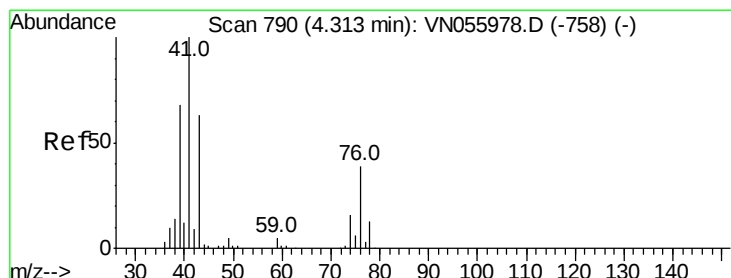
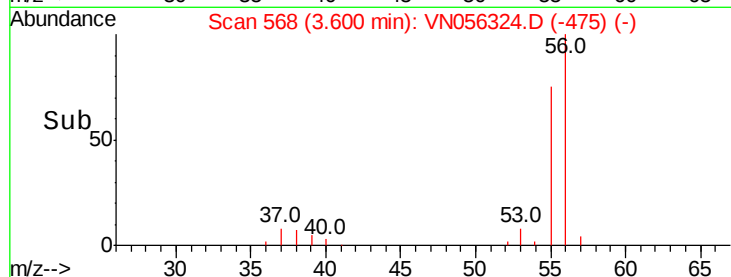
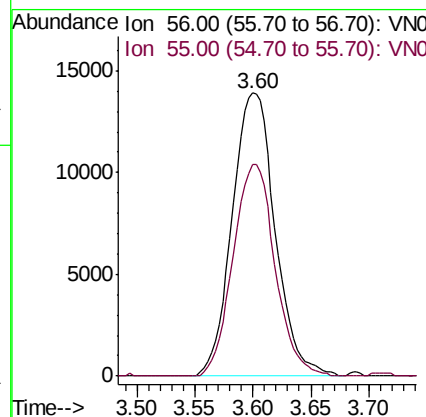
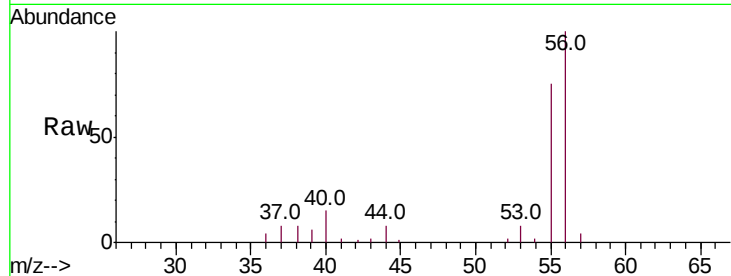
#13
Acrolein
Concen: 234.759 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 35732
Ion Ratio Lower Upper
56 100
55 73.2 55.4 83.2

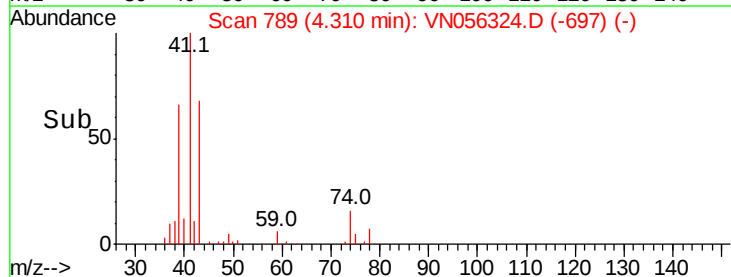
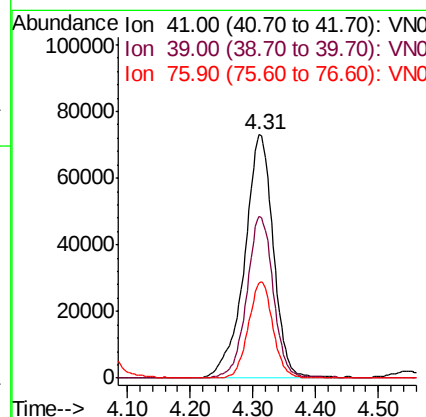
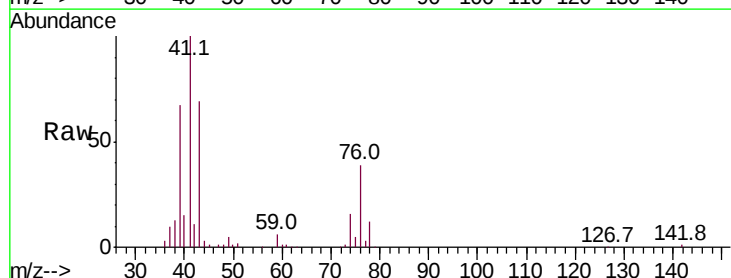
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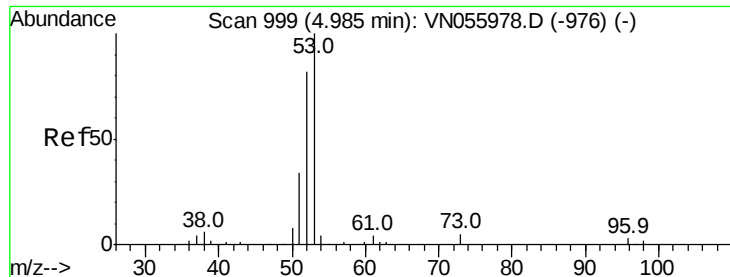
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#14
Allyl chloride
Concen: 57.559 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion: 41 Resp: 233044
Ion Ratio Lower Upper
41 100
39 61.1 50.0 75.0
76 33.7 28.2 42.2





#15

Acrylonitrile

Concen: 337.665 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

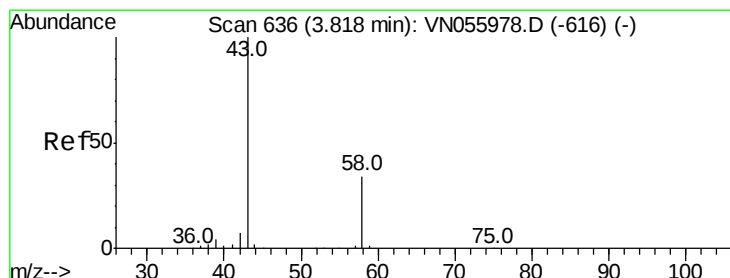
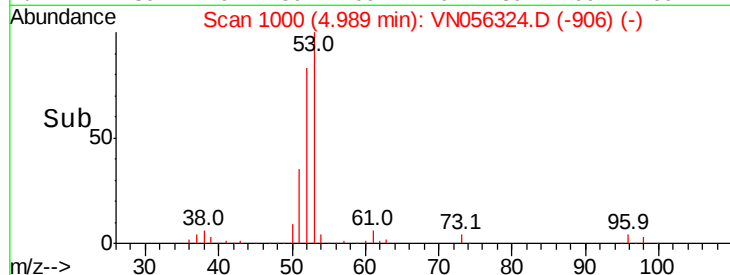
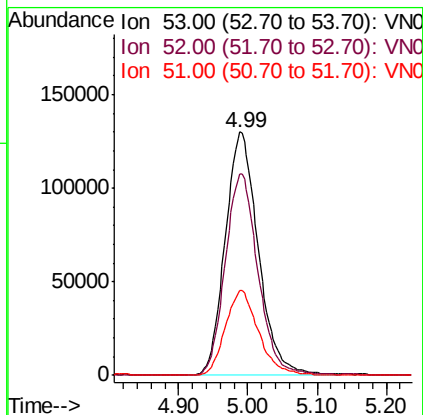
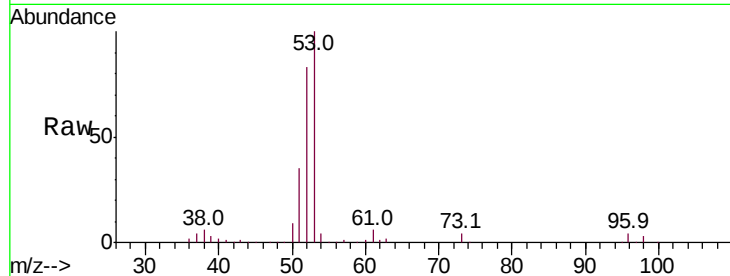
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	433797
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.8	98.8
51	35.2	28.2	42.4

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#16

Acetone

Concen: 267.209 ug/l

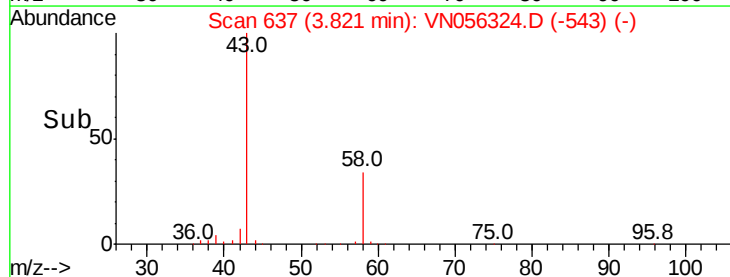
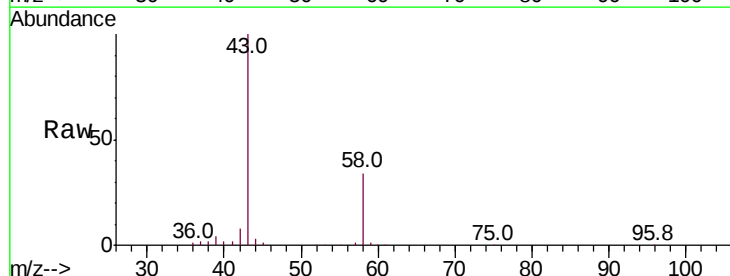
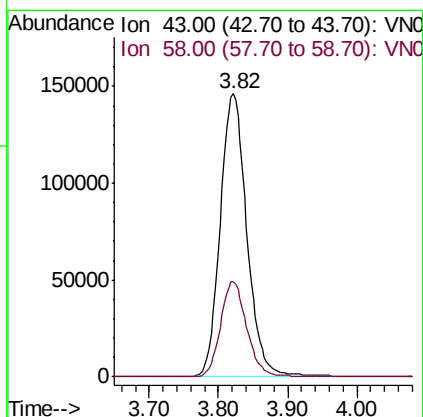
RT: 3.82 min Scan# 637

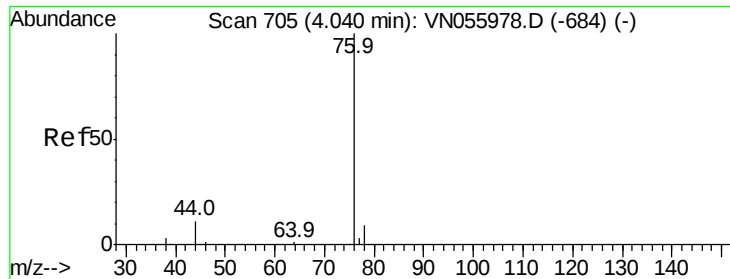
Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tgt Ion:	43	Resp:	387569
Ion Ratio	Lower	Upper	
43	100		
58	33.9	26.6	39.8





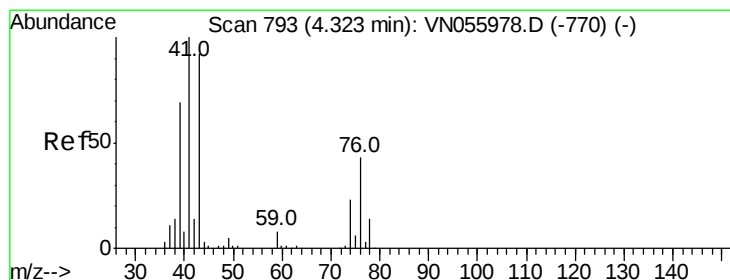
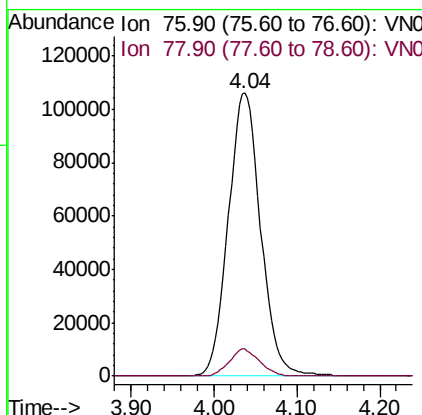
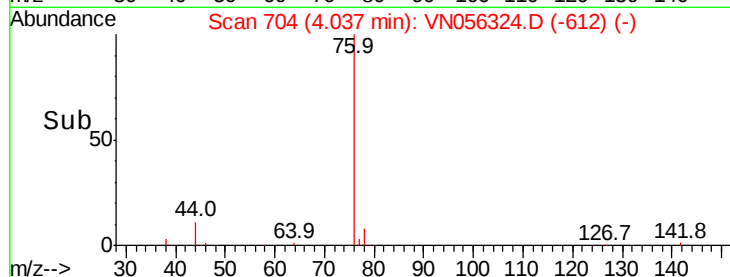
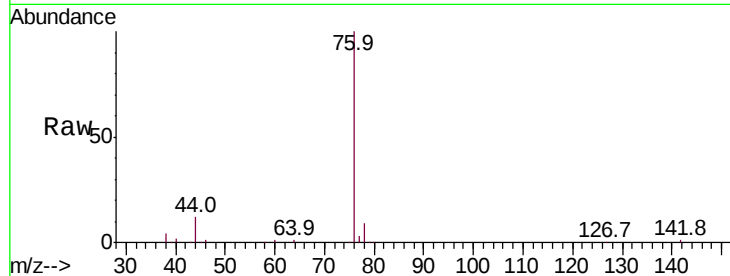
#17
Carbon Disulfide
Concen: 46.963 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

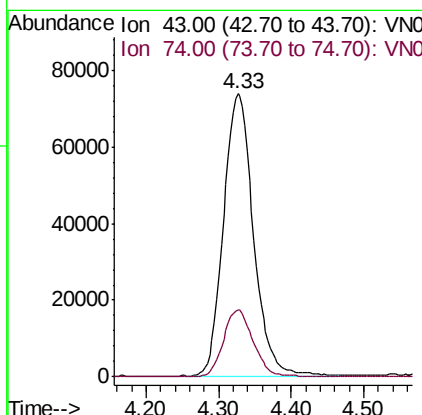
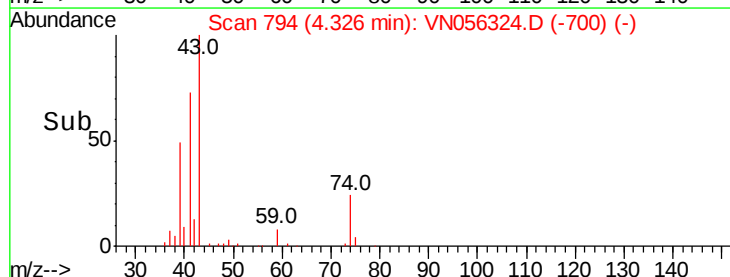
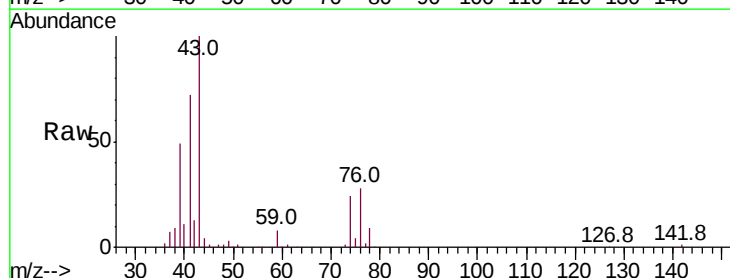
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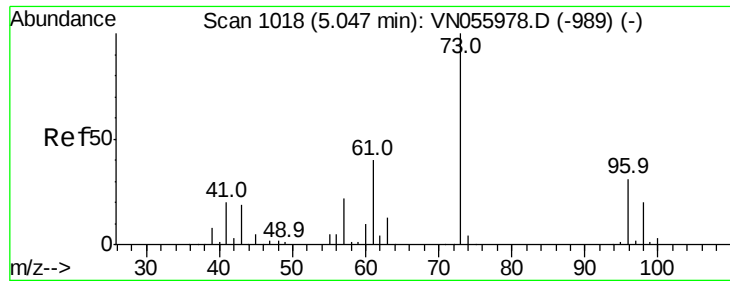
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#18
Methyl Acetate
Concen: 74.361 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.3	28.9





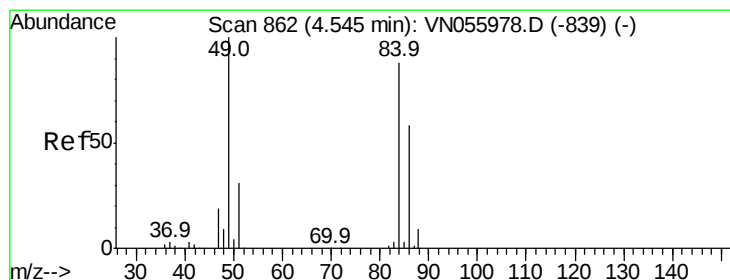
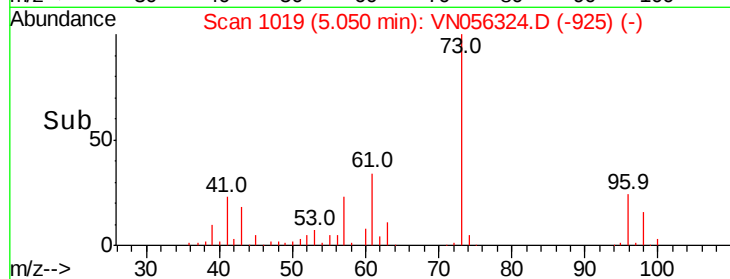
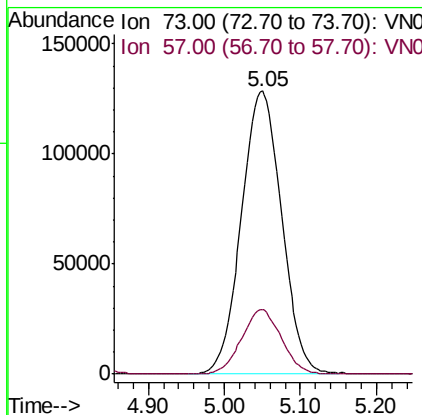
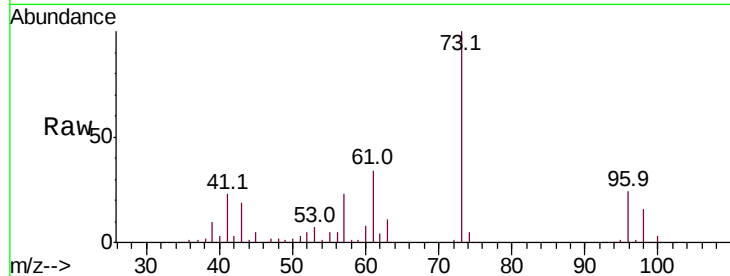
#19
Methyl tert-butyl Ether
Concen: 57.880 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 473052
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8

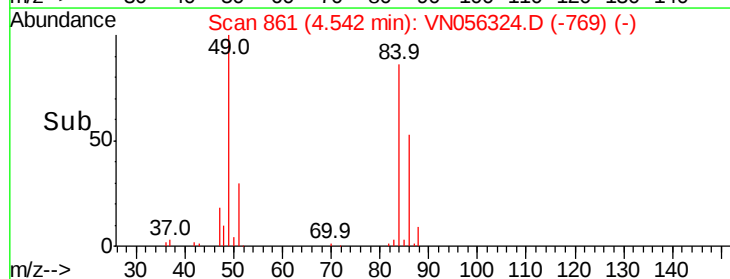
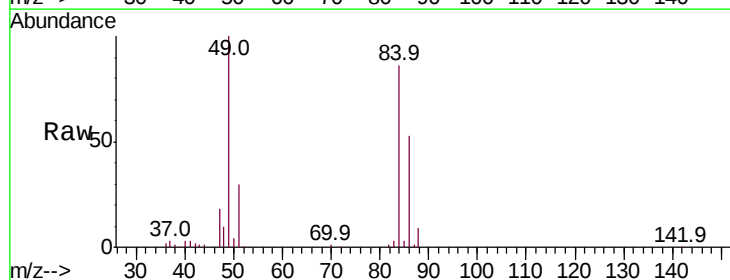
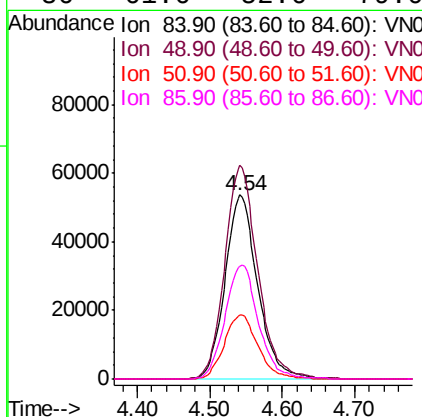
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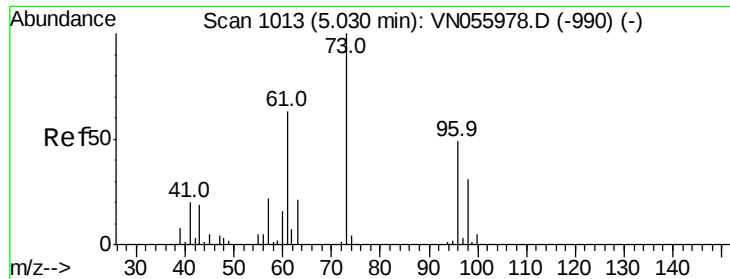
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#20
Methylene Chloride
Concen: 56.246 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion: 84 Resp: 168076
Ion Ratio Lower Upper
84 100
49 115.9 93.5 140.3
51 34.9 28.6 43.0
86 61.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.482 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 144181

Ion Ratio Lower Upper

96 100

61 134.1 107.8 161.8

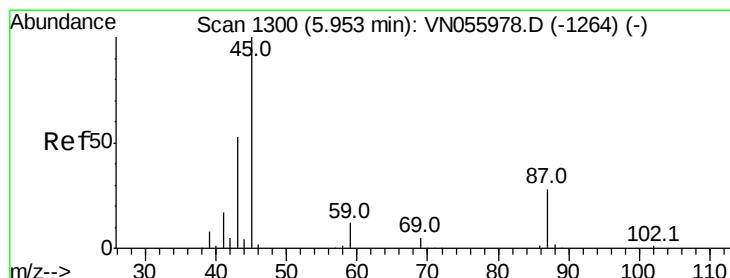
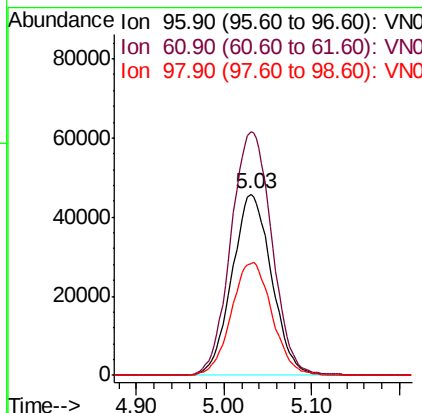
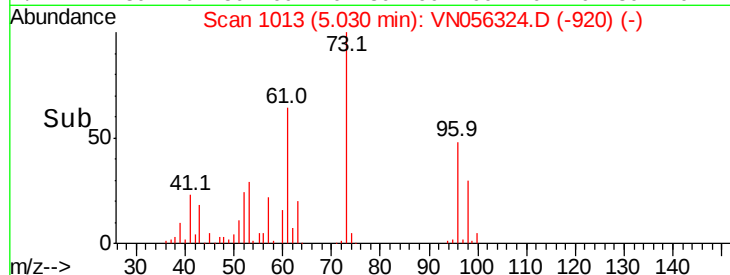
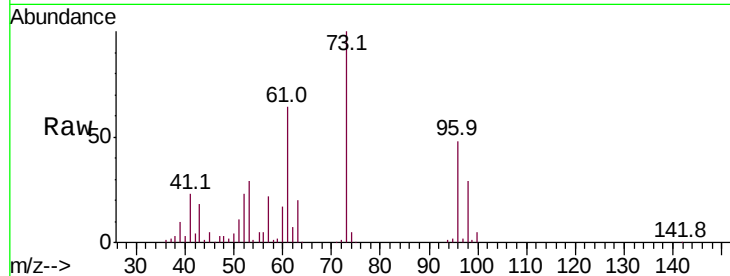
98 61.7 49.8 74.8

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#22

Diisopropyl ether

Concen: 60.210 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tgt Ion: 45 Resp: 503920

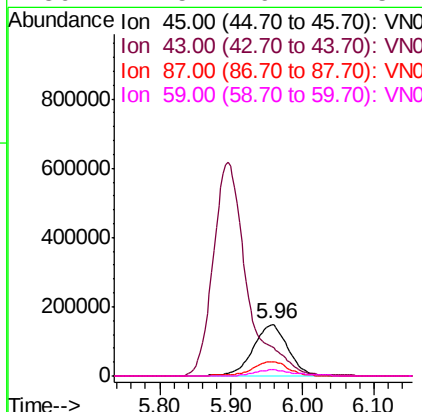
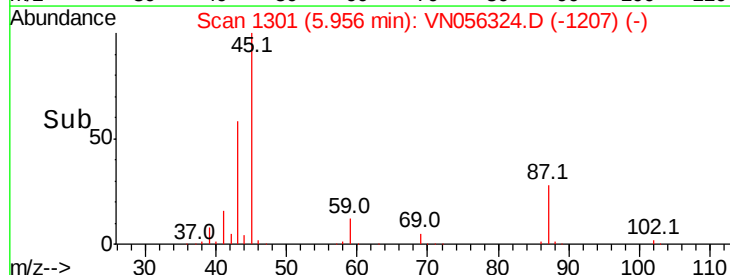
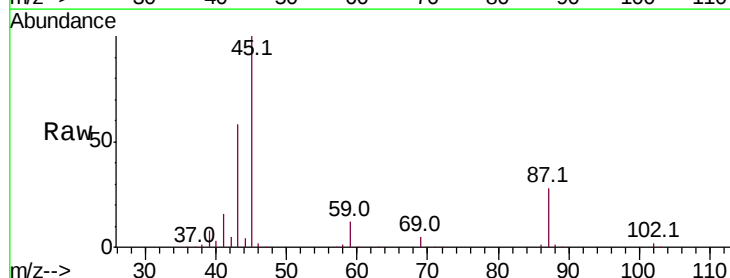
Ion Ratio Lower Upper

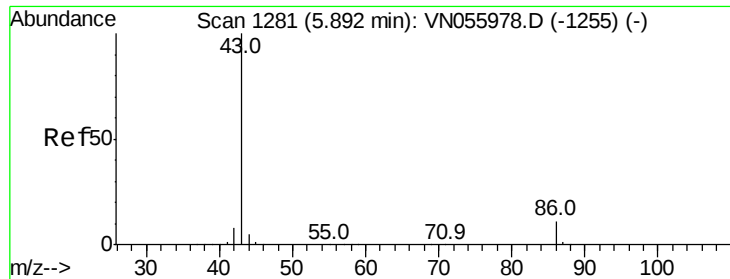
45 100

43 56.1 45.0 67.6

87 27.8 22.2 33.4

59 11.5 9.1 13.7





#23

Vinyl Acetate

Concen: 307.717 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2028141

Ion Ratio Lower Upper

43 100

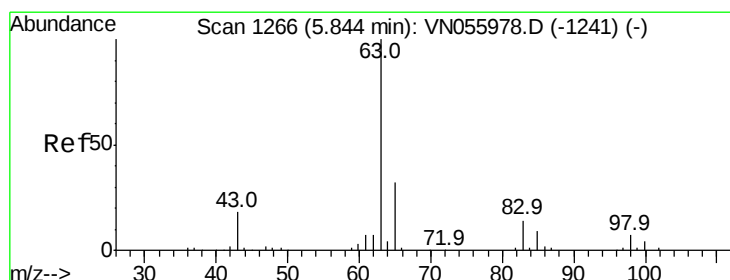
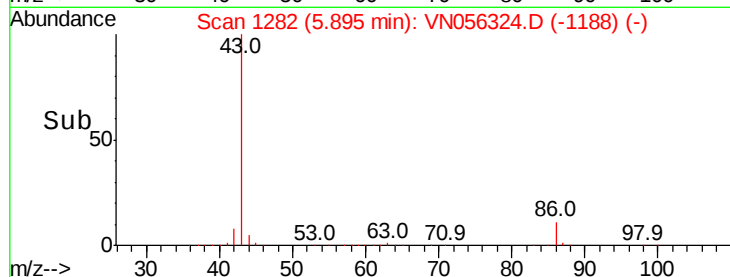
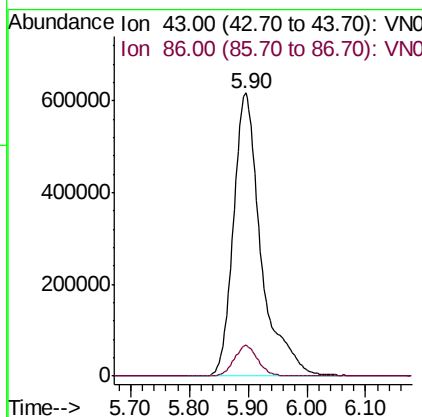
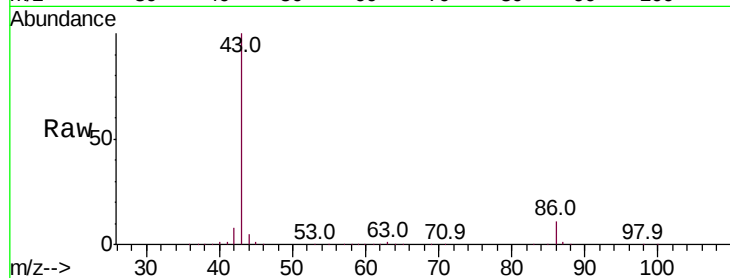
86 10.8 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 59.262 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

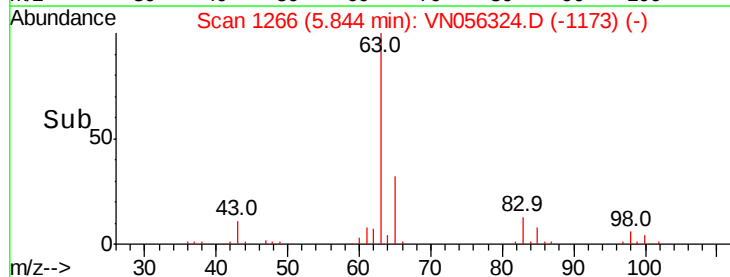
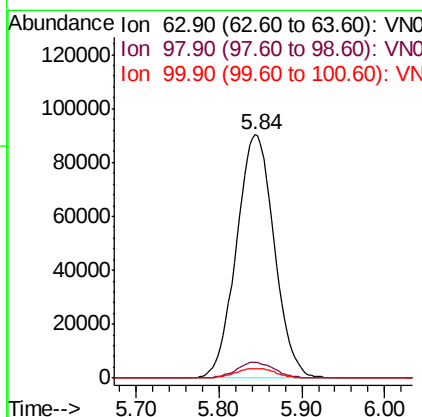
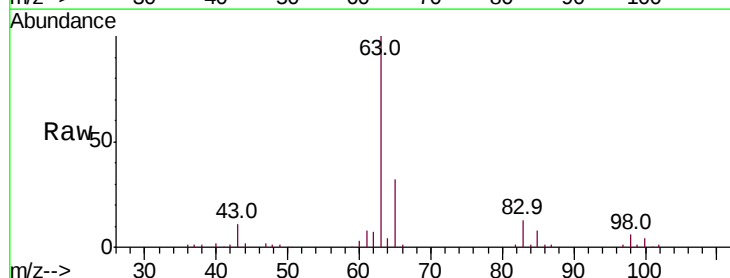
Tgt Ion: 63 Resp: 286104

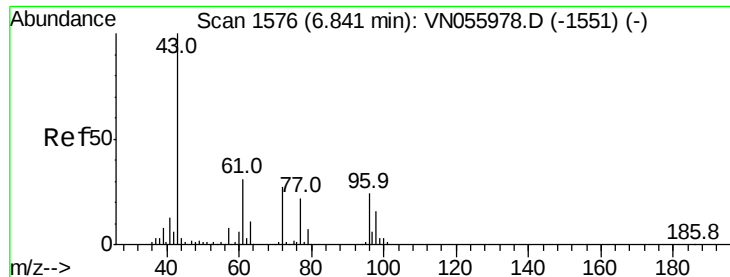
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.0 2.2 6.6





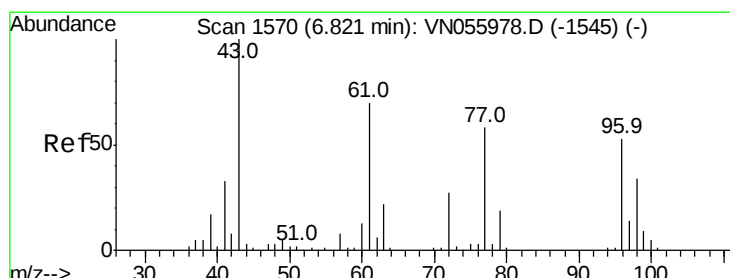
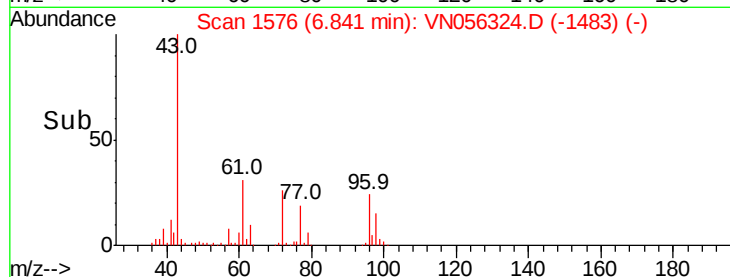
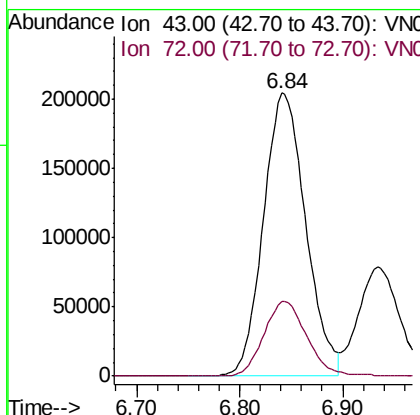
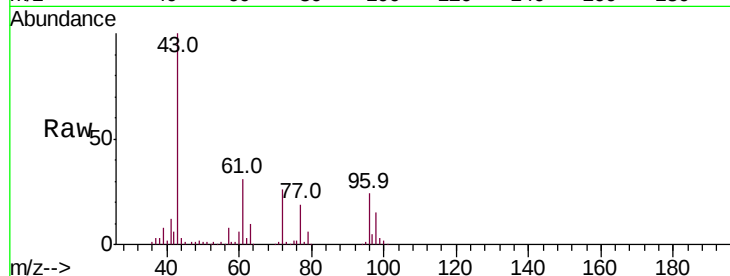
#25
2-Butanone
Concen: 316.582 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 580161
Ion Ratio Lower Upper
43 100
72 26.2 21.9 32.9

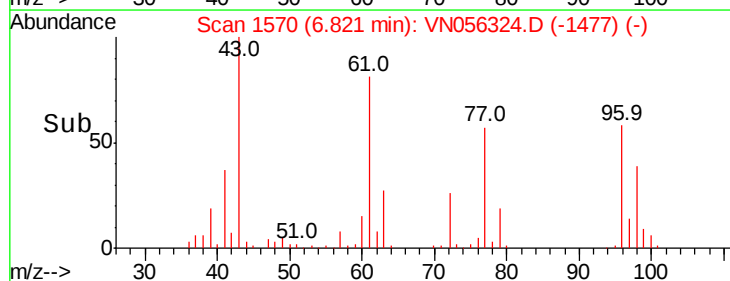
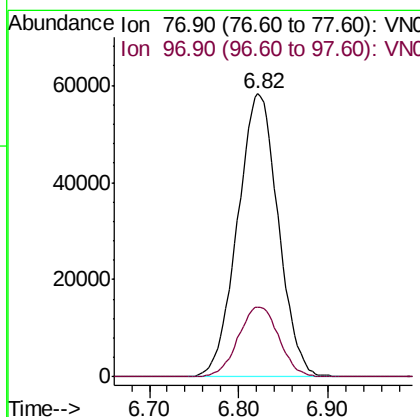
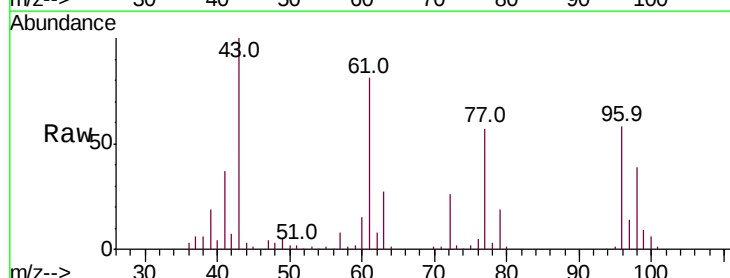
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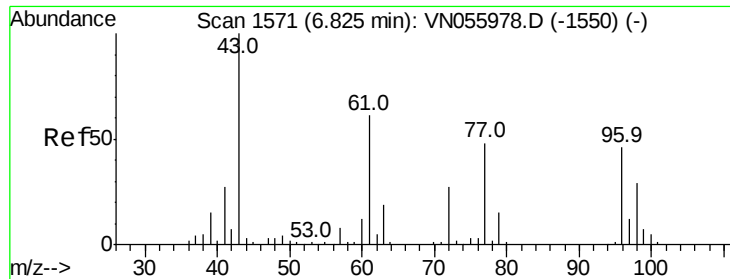
MMDadoda
6/17/2019 9:45:29 AM



#26
2,2-Dichloropropane
Concen: 49.110 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion: 77 Resp: 185006
Ion Ratio Lower Upper
77 100
97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 55.461 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tot Ion:	96	Resp:	179103
Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	275.8
98	65.2	0.0	128.4

Instrument :

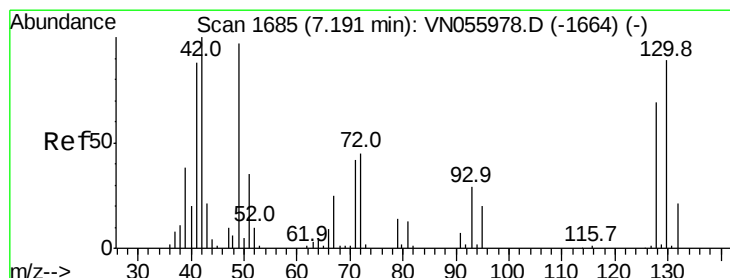
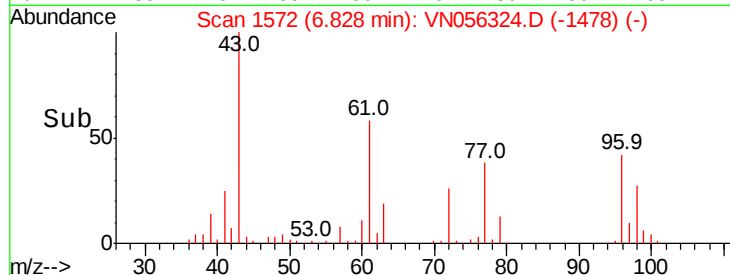
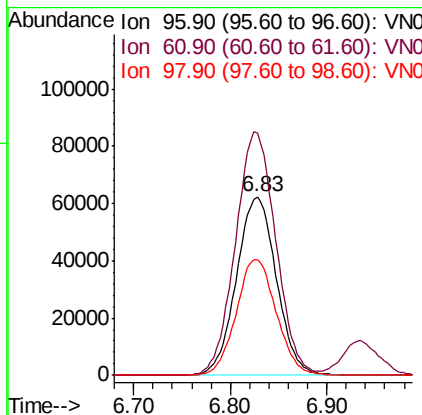
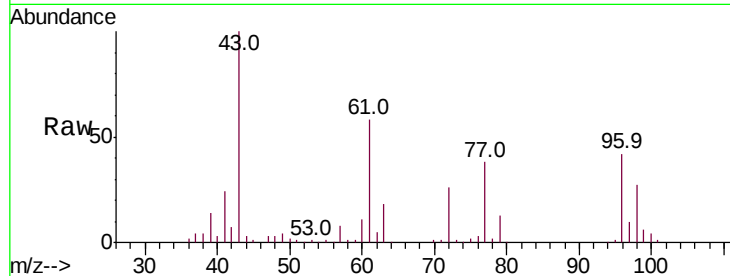
MSVOA_N

ClientSampleId :

VSTDCCC050EC

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#28

Bromochloromethane

Concen: 61.805 ug/l

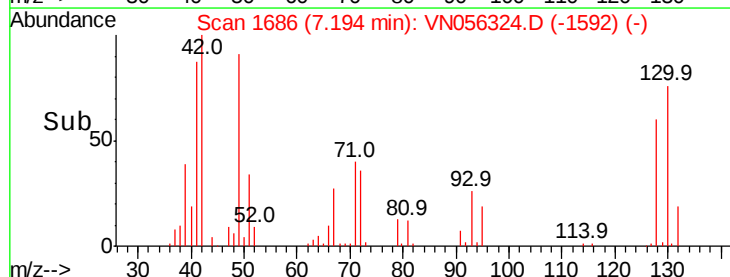
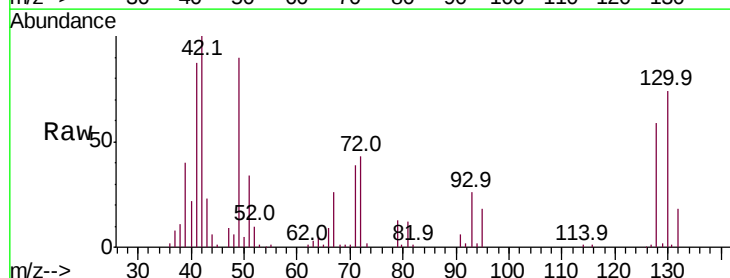
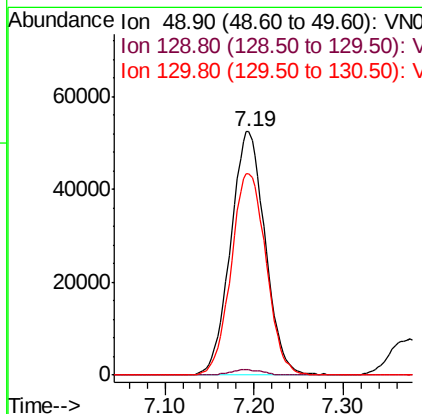
RT: 7.19 min Scan# 1686

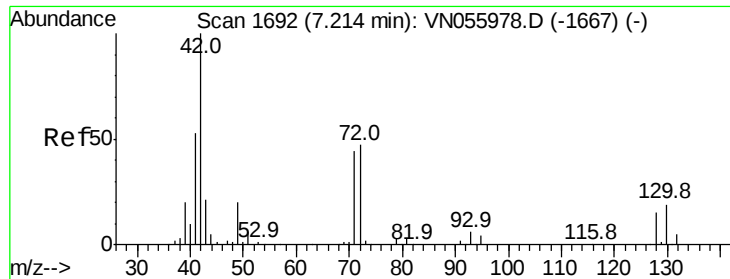
Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tgt Ion:	49	Resp:	141104
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	83.8	71.2	106.8





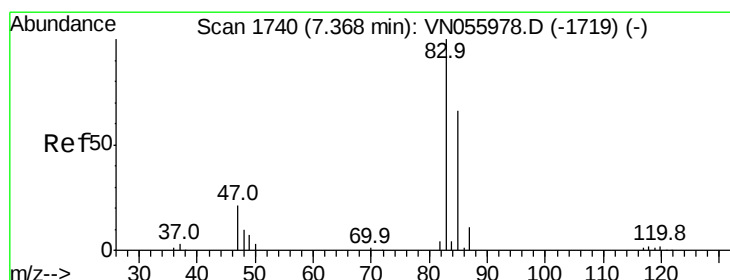
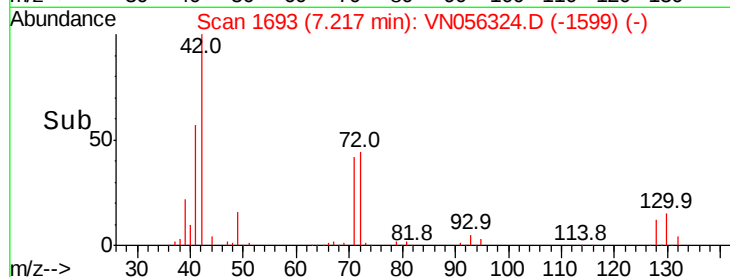
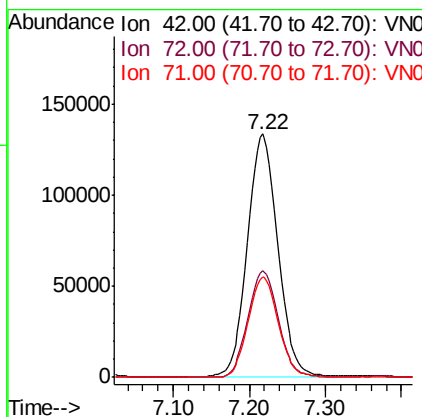
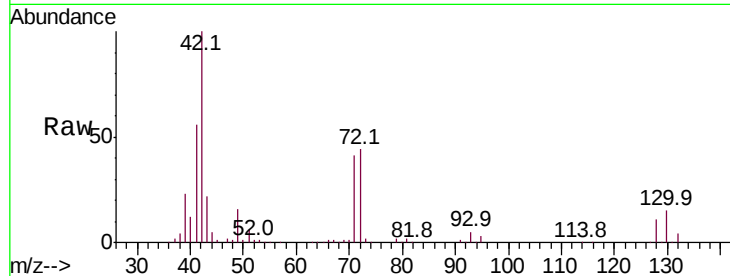
#29
Tetrahydrofuran
Concen: 329.823 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.9	53.9
71	40.8	34.0	51.0

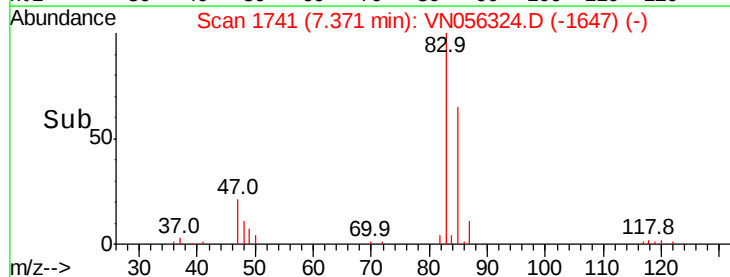
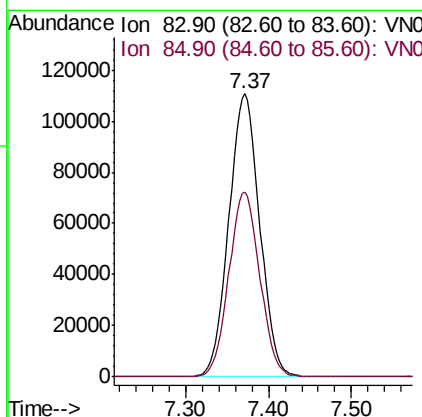
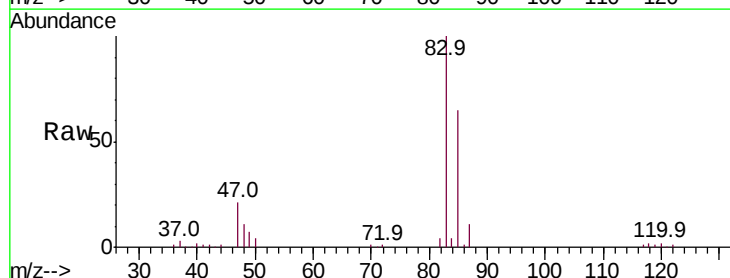
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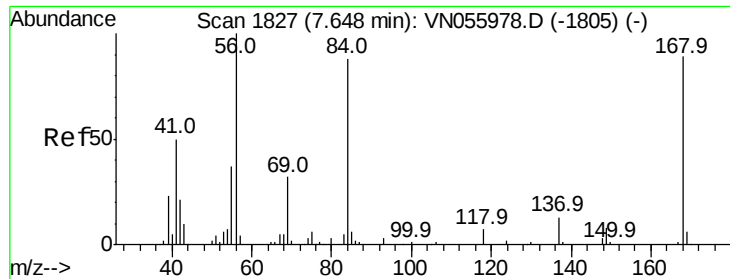
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6/17/2019 9:45:29 AM



#30
Chloroform
Concen: 59.140 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.8





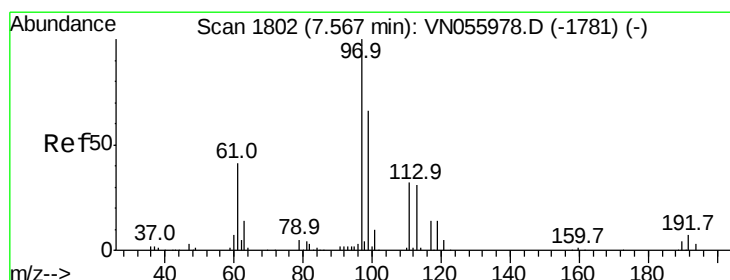
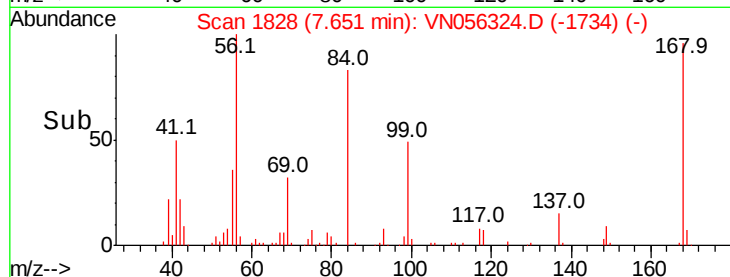
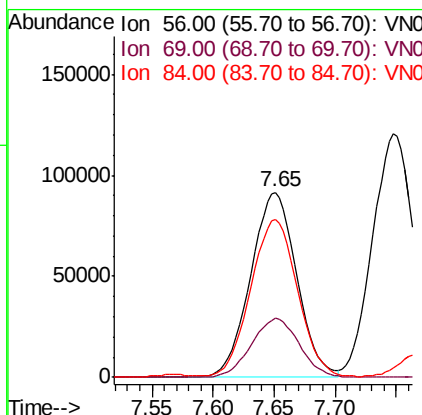
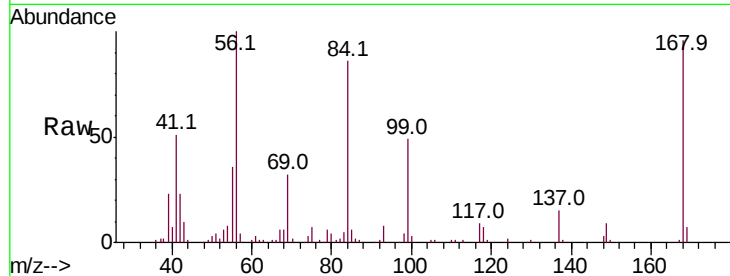
#31
Cyclohexane
Concen: 49.928 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.6	38.4
84	84.5	67.4	101.0

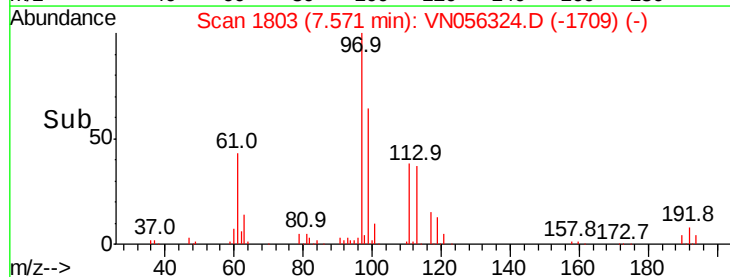
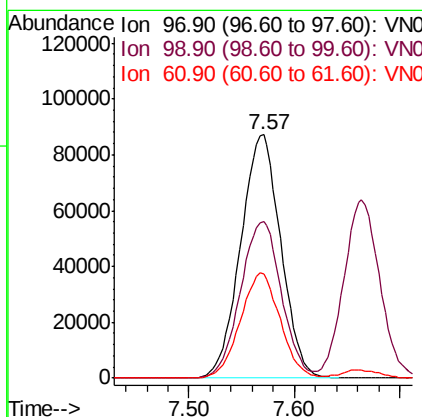
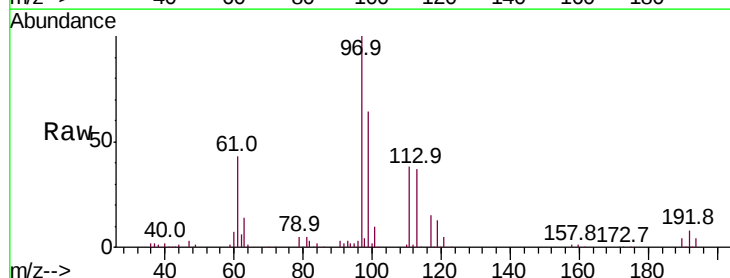
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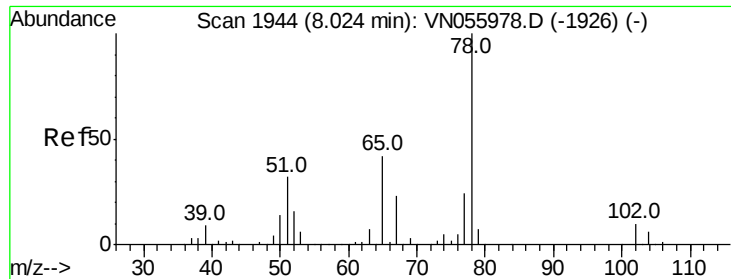
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#32
1,1,1-Trichloroethane
Concen: 57.005 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.0	78.0
61	42.9	32.9	49.3





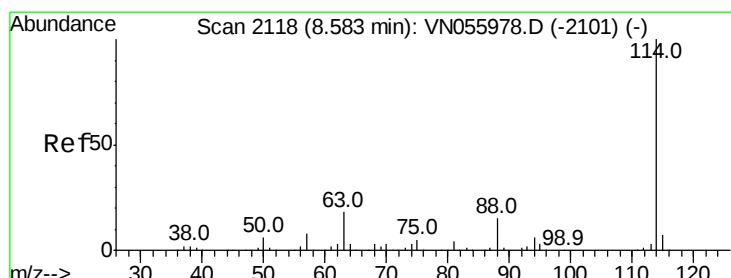
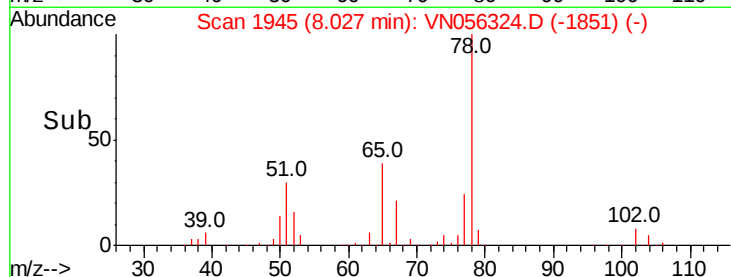
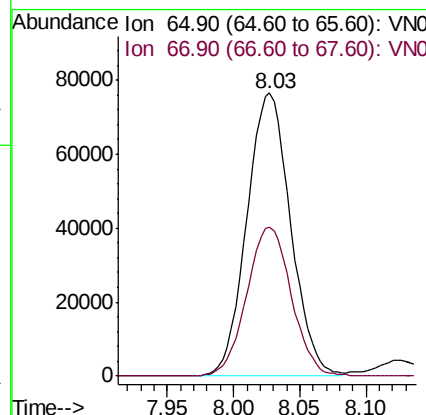
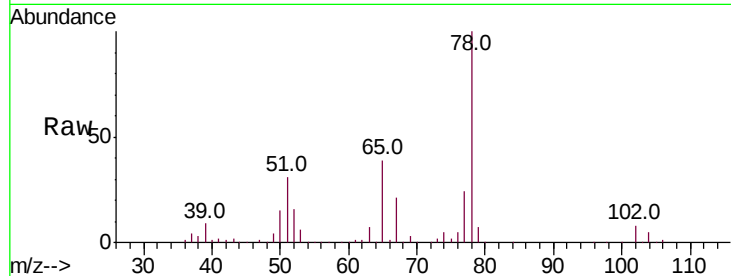
#33
 1,2-Dichloroethane-d4
 Concen: 57.941 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	109.2

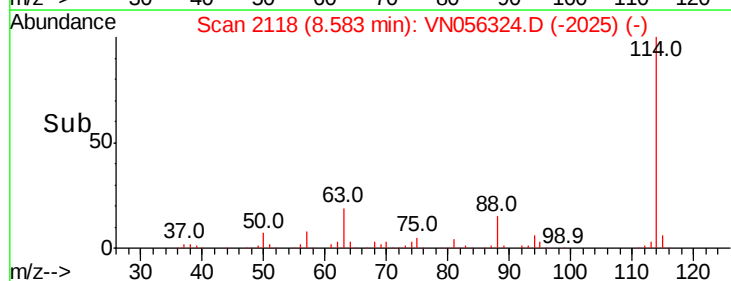
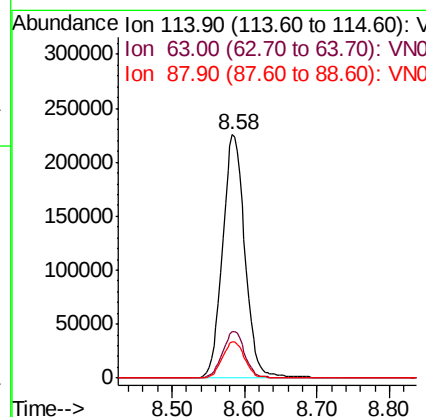
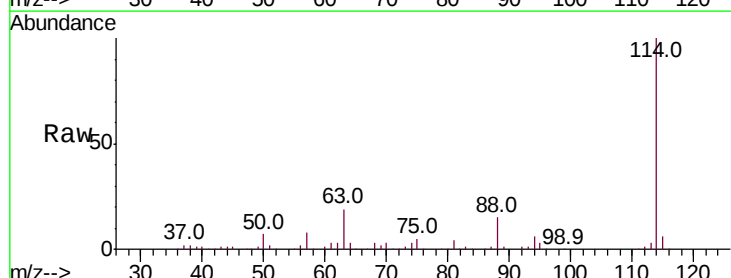
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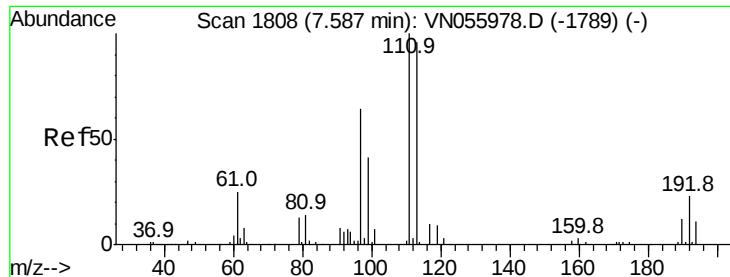
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.2
88	14.9	0.0	31.0





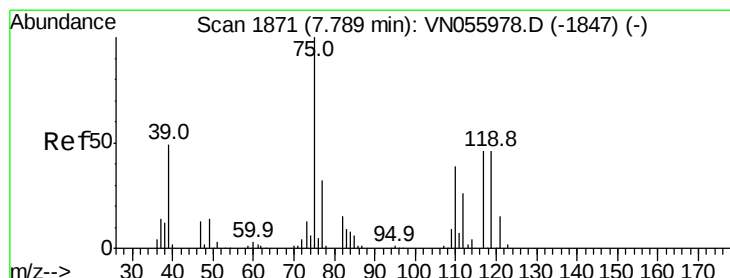
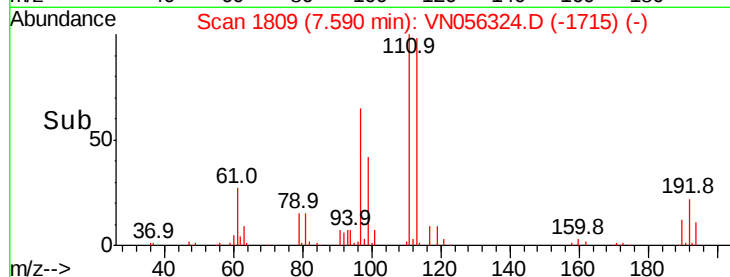
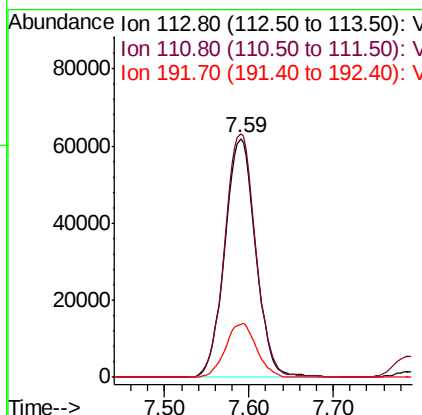
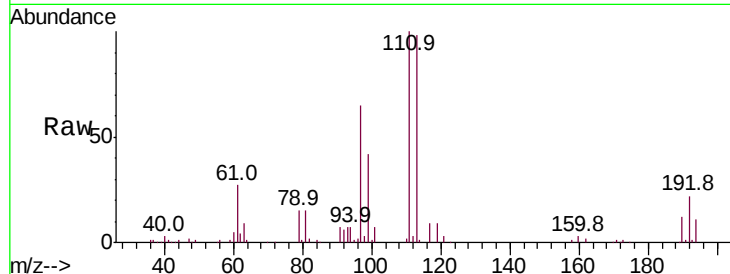
#35
 Dibromofluoromethane
 Concen: 53.143 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	22.7	19.5	29.3

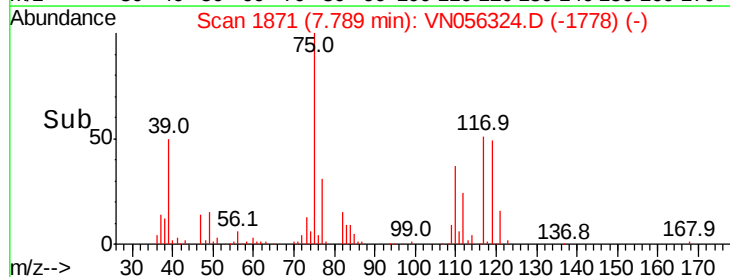
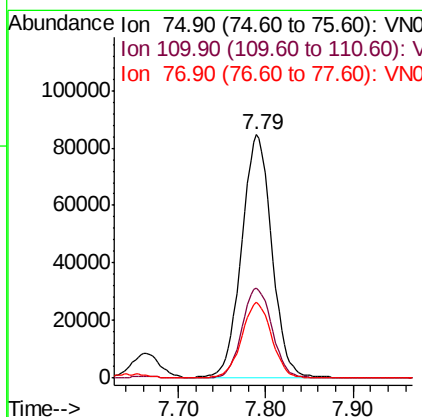
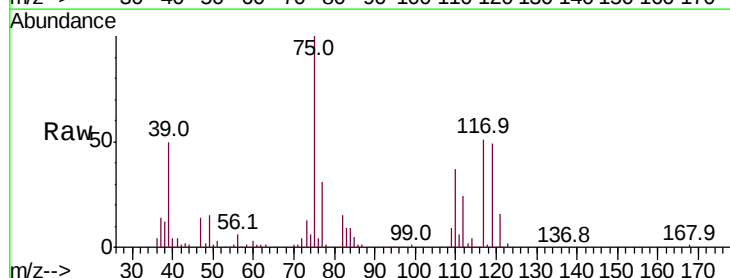
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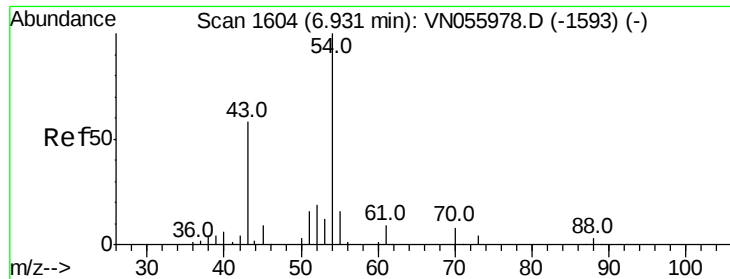
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#36
 1,1-Dichloropropene
 Concen: 48.735 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	19.0	57.0
77	31.1	25.1	37.7





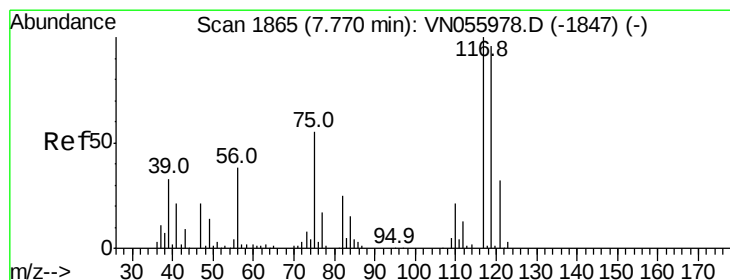
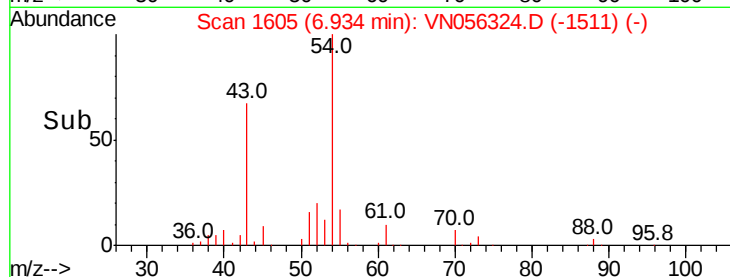
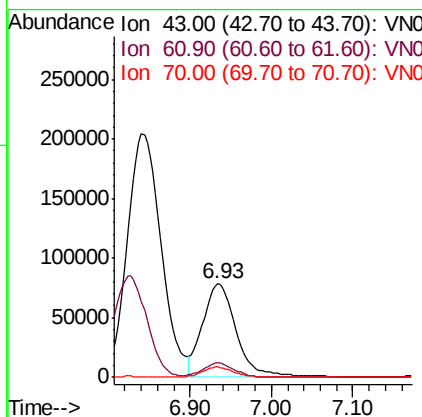
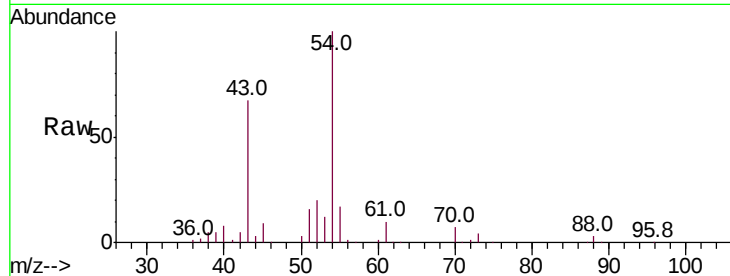
#37
Ethyl Acetate
Concen: 60.240 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.2	18.2
70	10.5	8.9	13.3

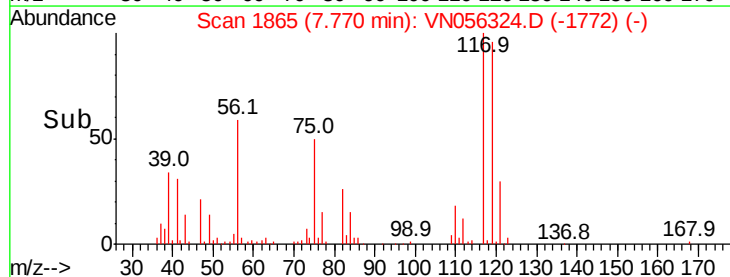
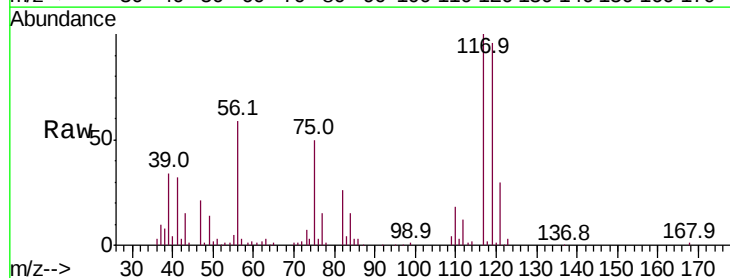
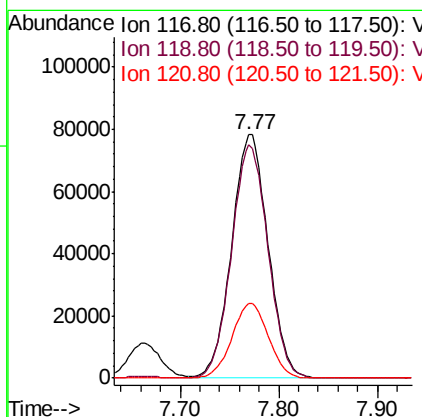
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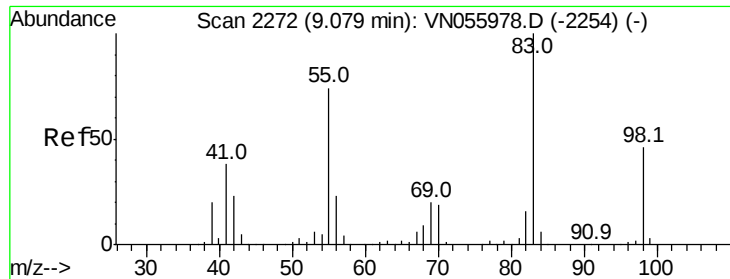
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#38
Carbon Tetrachloride
Concen: 52.651 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.0	118.6
121	30.4	24.7	37.1





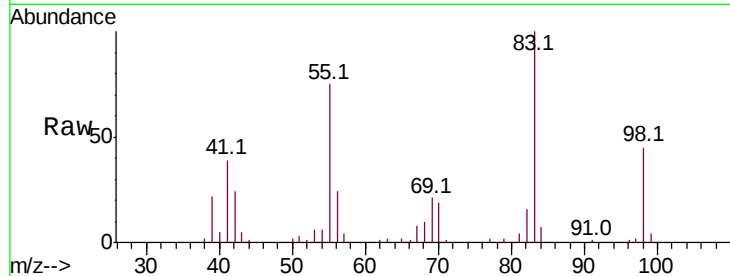
#39
Methvlcvclohexane
Concen: 45.511 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	59.3	88.9
98	45.1	36.6	54.8

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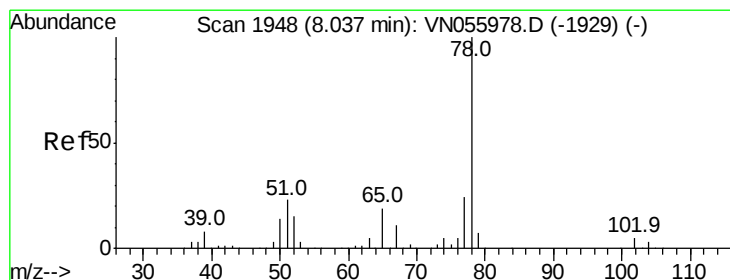
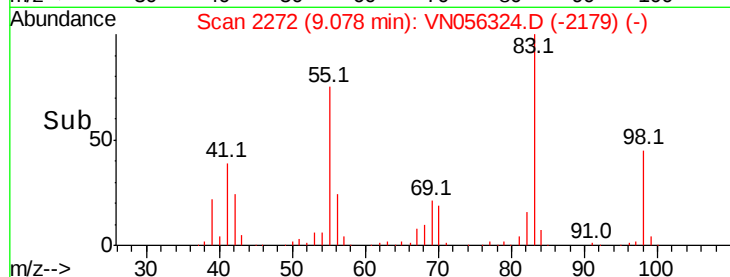
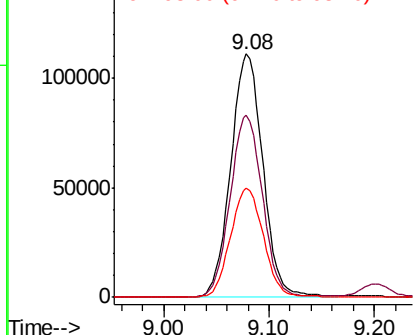


Abundance

Ion 83.00 (82.70 to 83.70): VN0

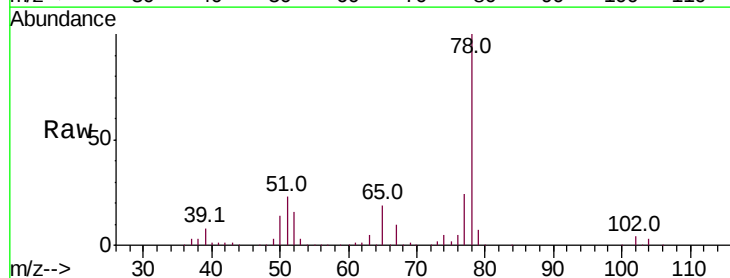
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 50.980 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

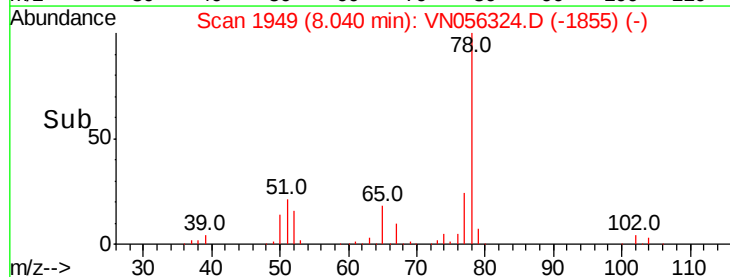
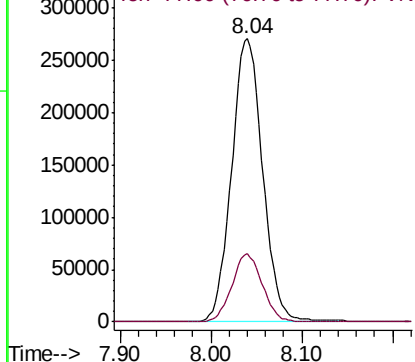
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

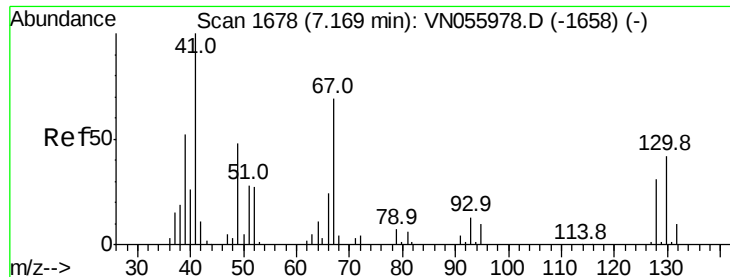


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





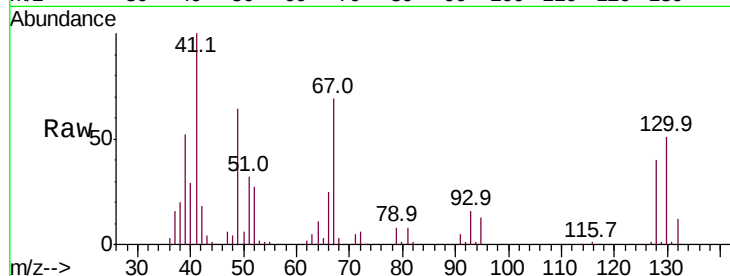
#41
Methacrylonitrile
Concen: 61.531 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.6	68.4
67	89.7	67.7	101.5
52	34.7	26.6	40.0

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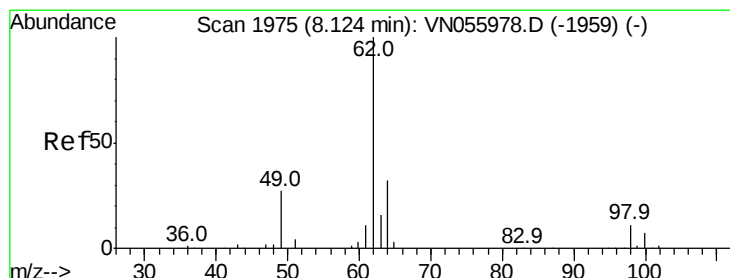
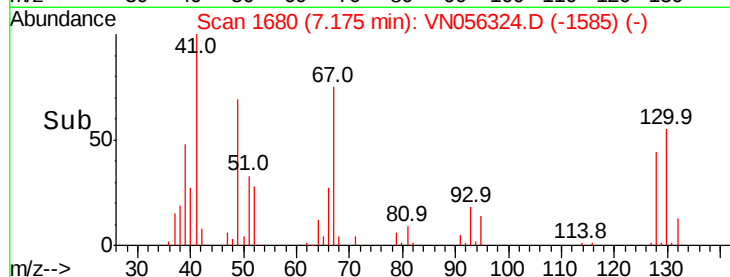
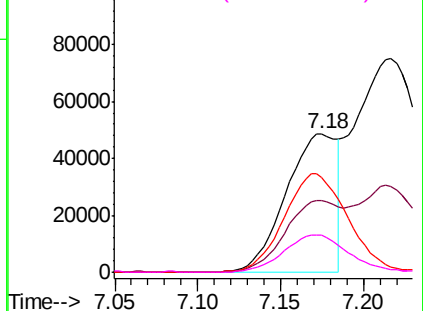
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

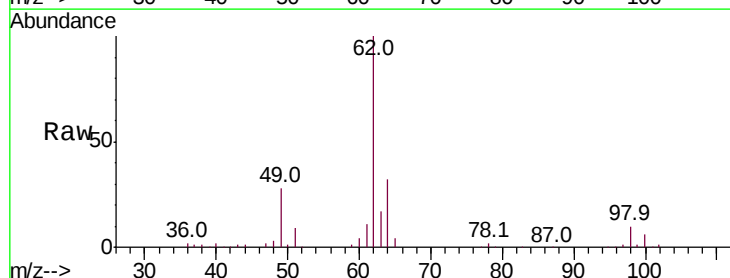
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 53.662 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

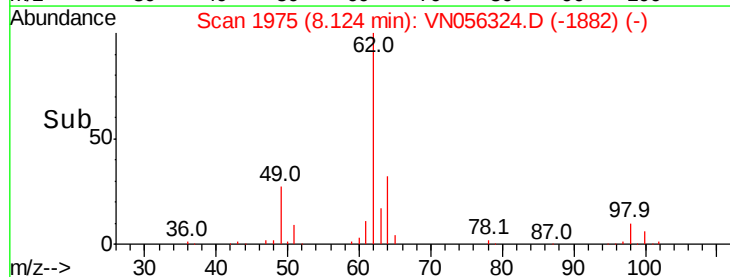
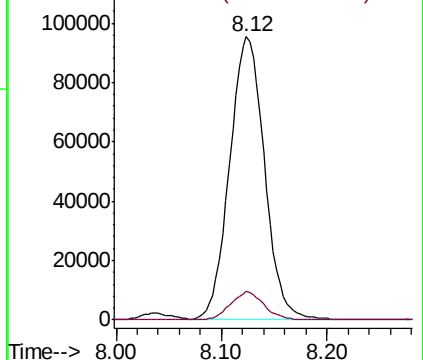
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.2

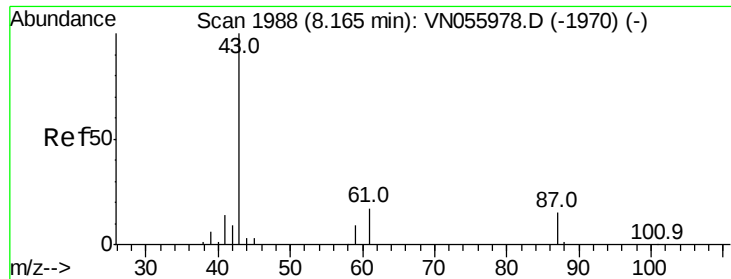


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 56.650 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

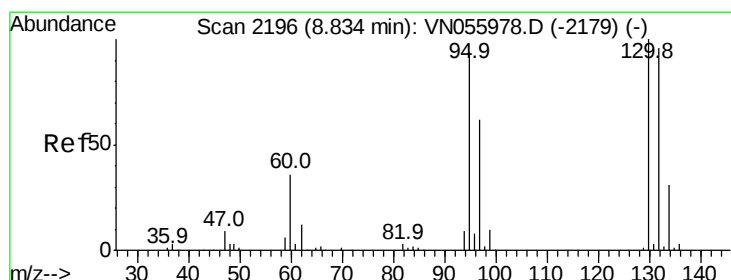
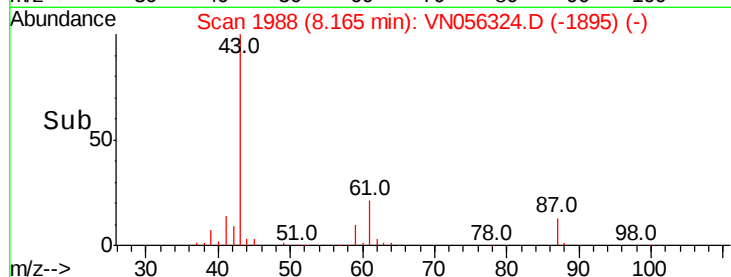
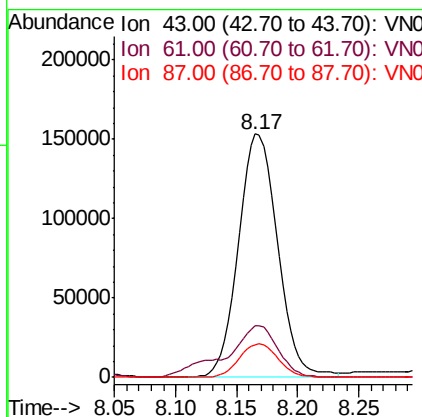
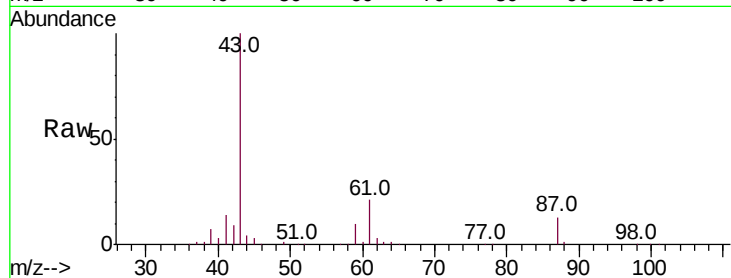
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	338631
Ion Ratio	Lower	Upper	
43	100		
61	27.9	22.2	33.4
87	13.8	11.4	17.2

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#44

Trichloroethene

Concen: 48.038 ug/l

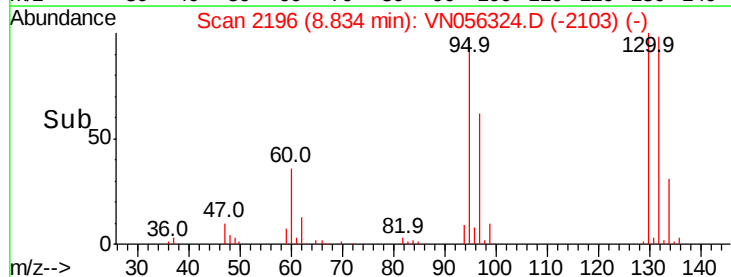
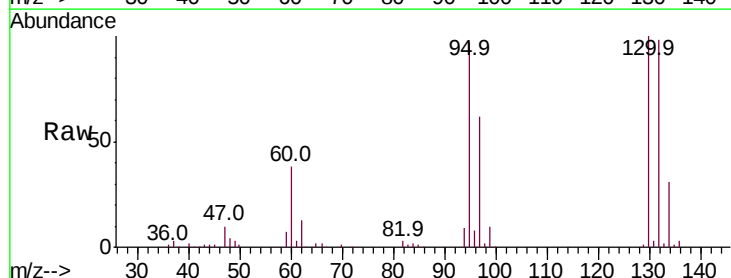
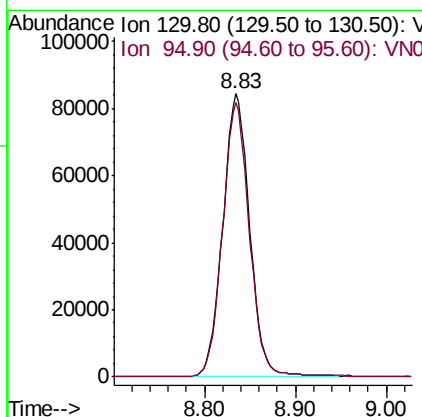
RT: 8.83 min Scan# 2196

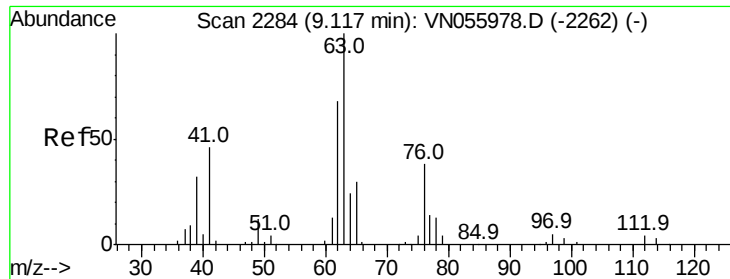
Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tgt Ion:	130	Resp:	173817
Ion Ratio	Lower	Upper	
130	100		
95	97.0	0.0	188.0





#45

1,2-Dichloropropane

Concen: 55.649 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 179487

Ion Ratio Lower Upper

63 100

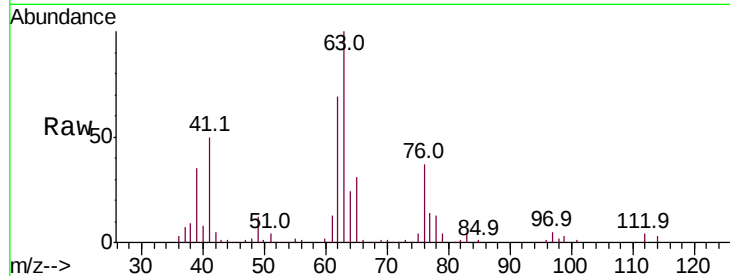
65 30.5 24.6 36.8

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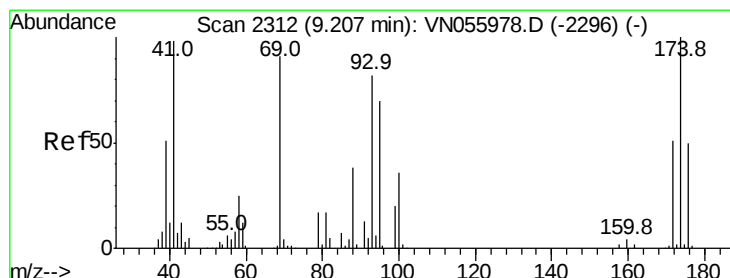
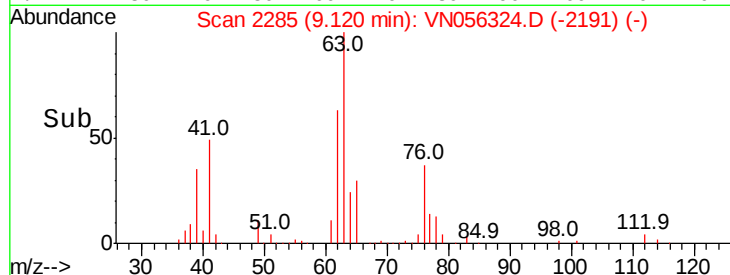
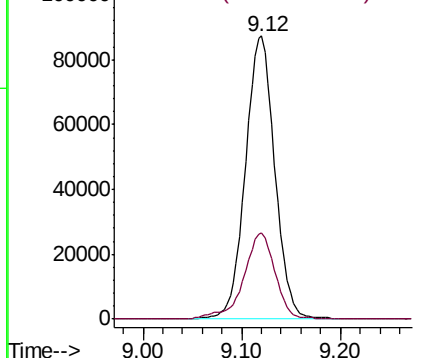
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Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN055978.D (-2262) (-)



#46

Dibromomethane

Concen: 54.744 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

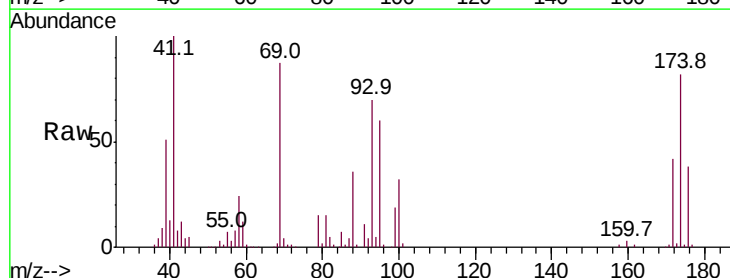
Tgt Ion: 93 Resp: 115463

Ion Ratio Lower Upper

93 100

95 84.4 66.7 100.1

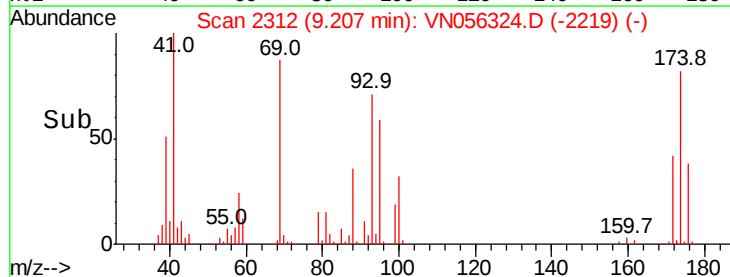
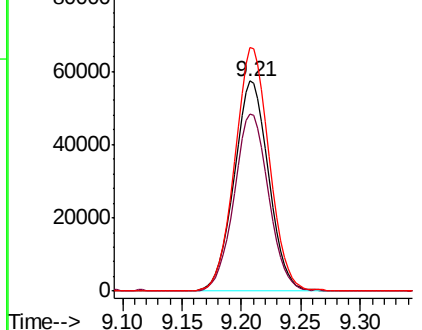
174 115.3 96.4 144.6

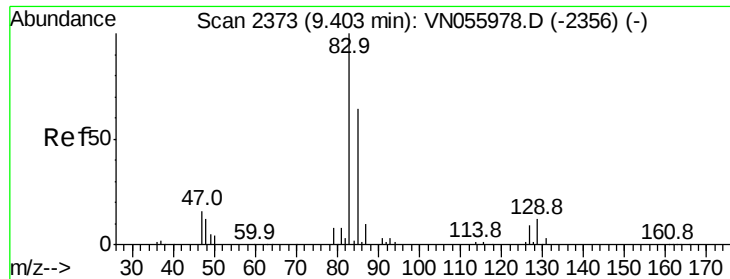


Abundance Ion 92.80 (92.50 to 93.50): VN055978.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055978.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055978.D (-2296) (-)





#47

Bromodichloromethane

Concen: 58.517 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

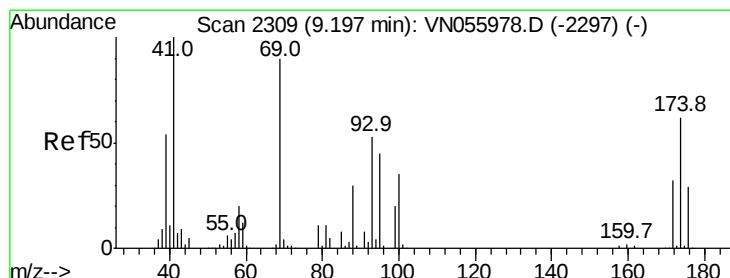
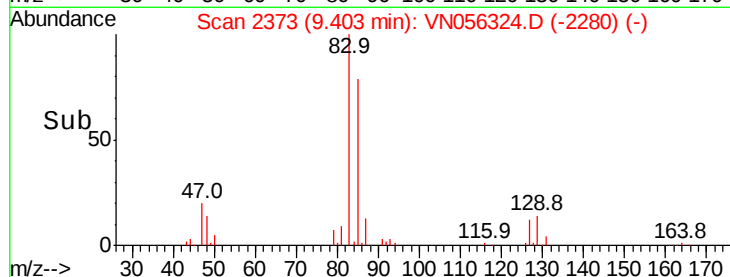
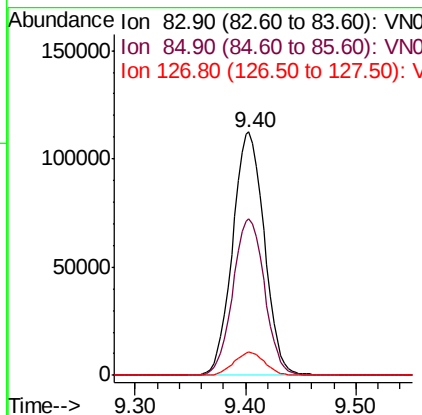
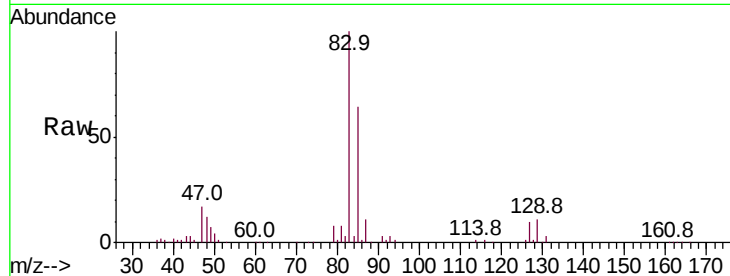
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	223688
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.2
127	9.6	7.4	11.0

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#48

Methyl methacrylate

Concen: 59.803 ug/l

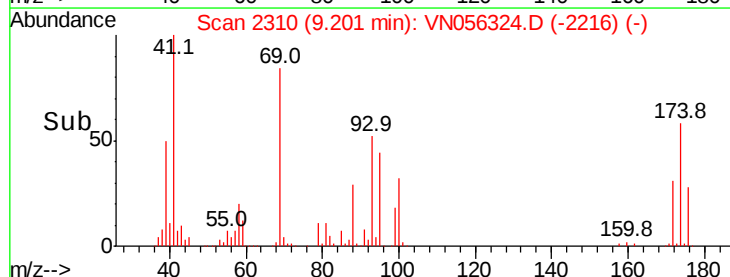
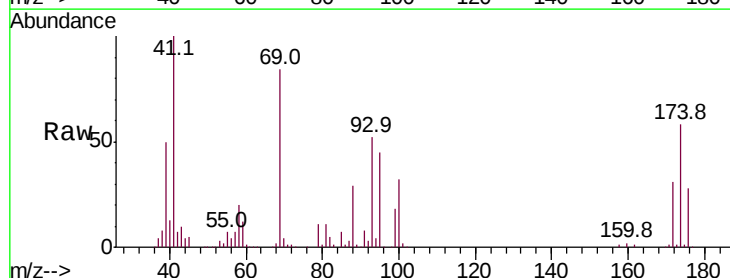
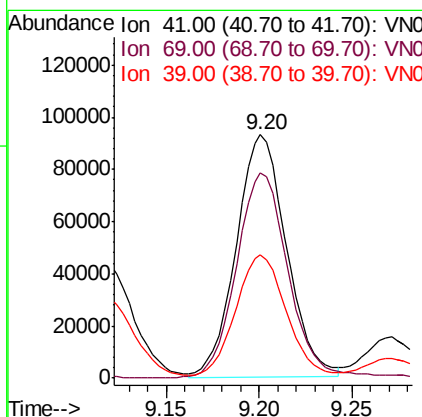
RT: 9.20 min Scan# 2310

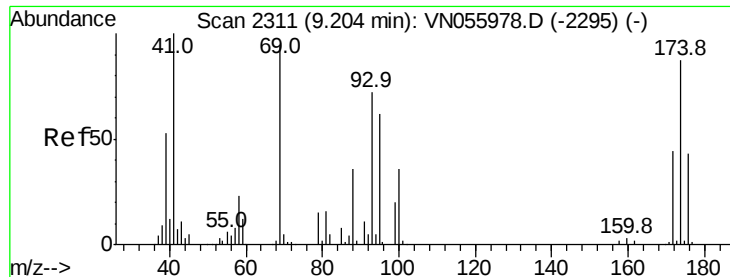
Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tgt Ion:	41	Resp:	174891
Ion	Ratio	Lower	Upper
41	100		
69	87.0	71.0	106.6
39	51.5	44.2	66.2





#49

1,4-Dioxane

Concen: 1111.299 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 70162

Ion Ratio Lower Upper

88 100

43 27.7 20.5 30.7

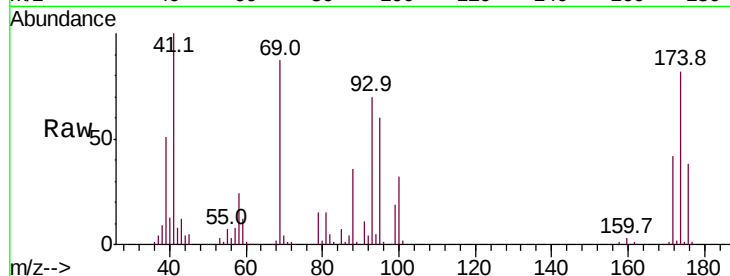
58 63.4 55.8 83.6

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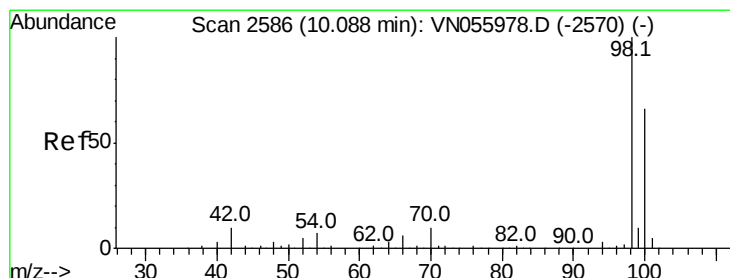
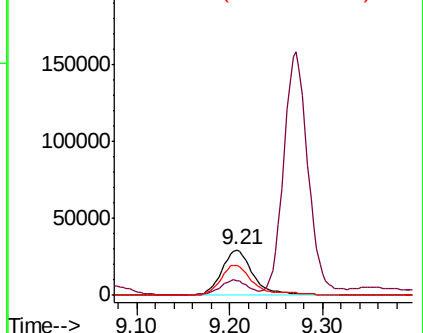
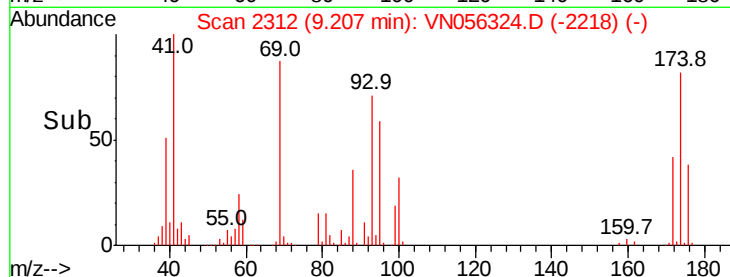
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Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.164 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056324.D

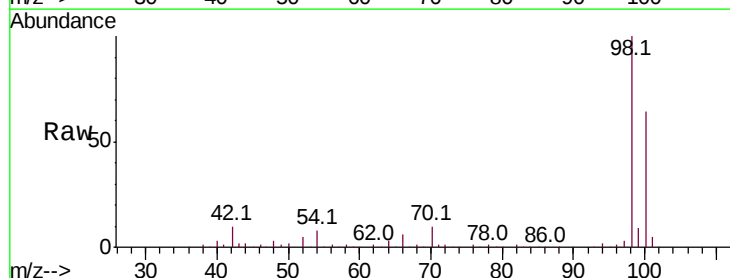
Acq: 14 Jun 2019 20:01

Tgt Ion: 98 Resp: 571031

Ion Ratio Lower Upper

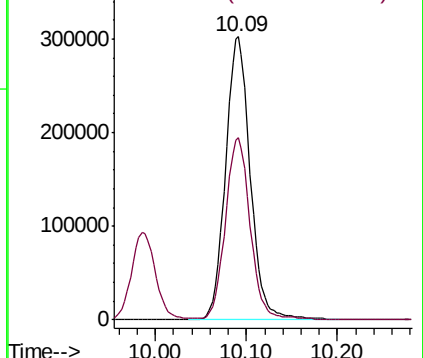
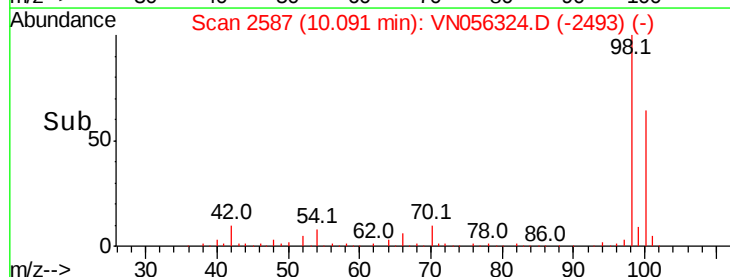
98 100

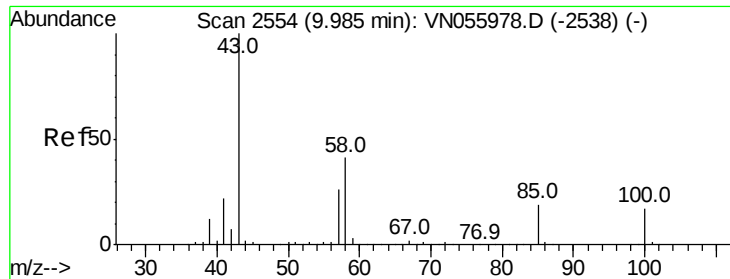
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 297.399 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tot Ion: 43 Resp: 1111714

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1

Instrument :

MSVOA_N

ClientSampleId :

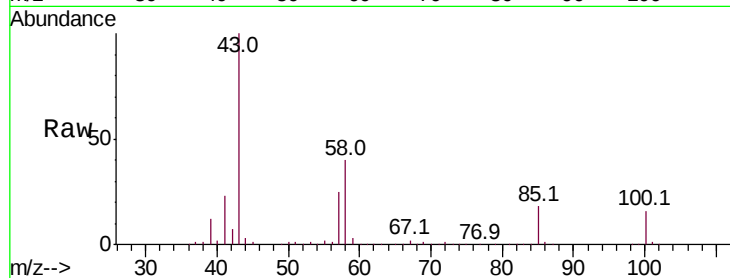
VSTDCCC050EC

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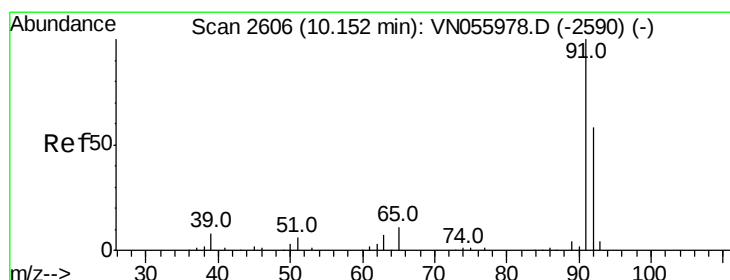
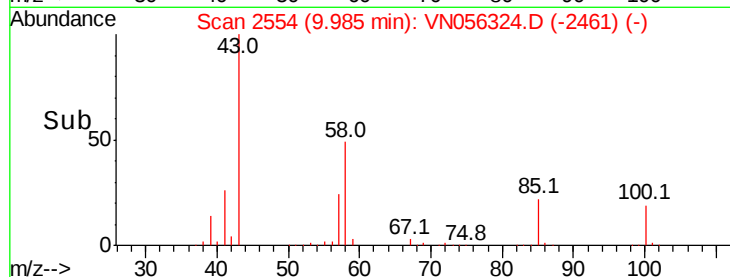
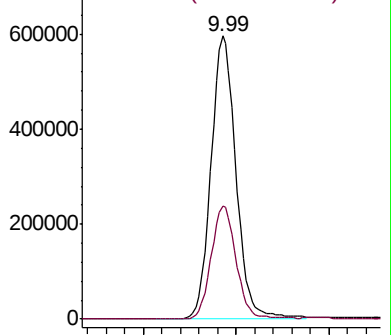
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.118 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056324.D

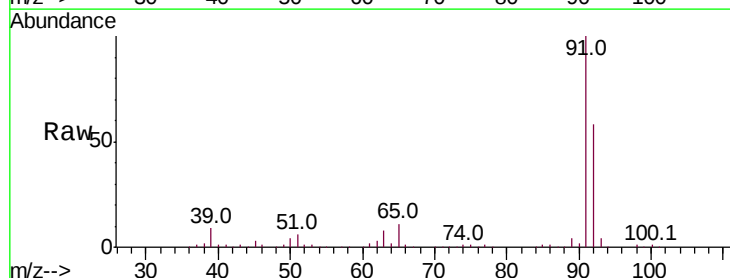
Acq: 14 Jun 2019 20:01

Tgt Ion: 92 Resp: 400534

Ion Ratio Lower Upper

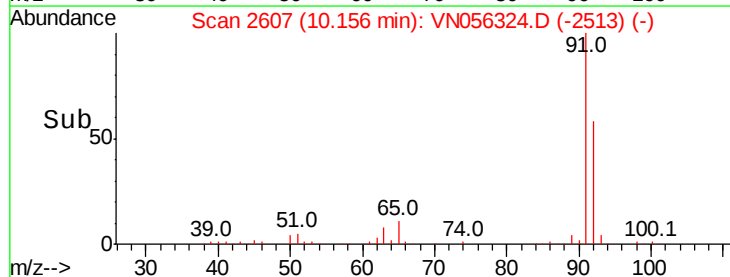
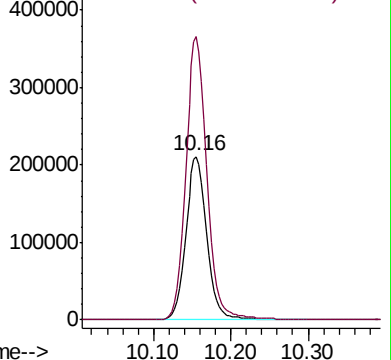
92 100

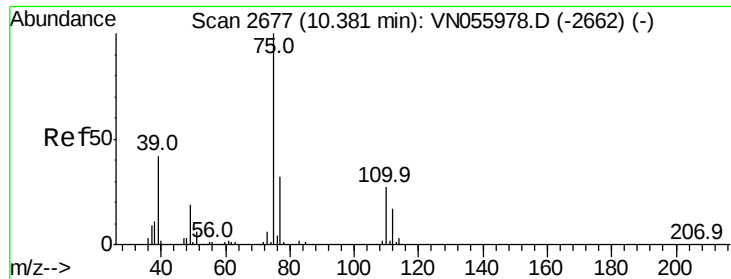
91 174.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





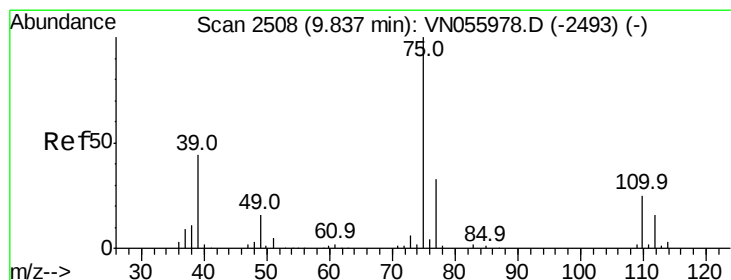
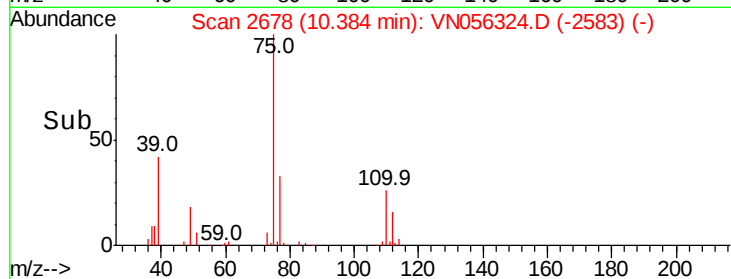
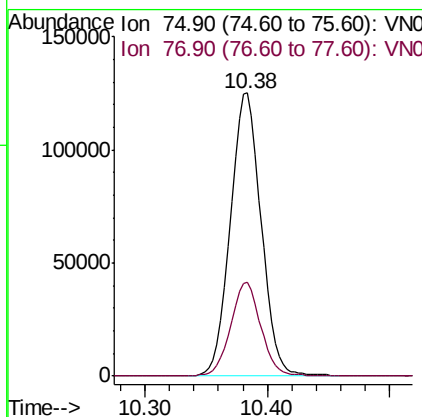
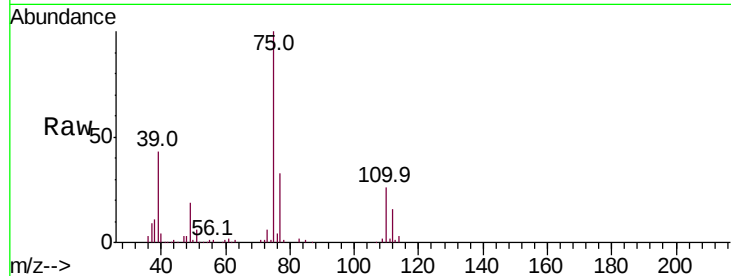
#53
 t-1,3-Dichloropropene
 Concen: 49.120 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.8	38.6

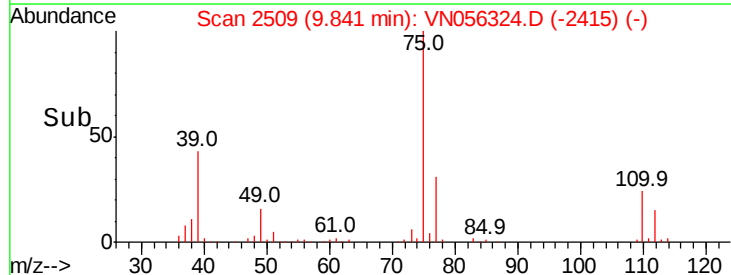
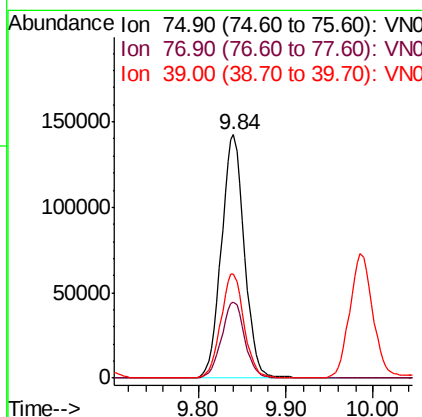
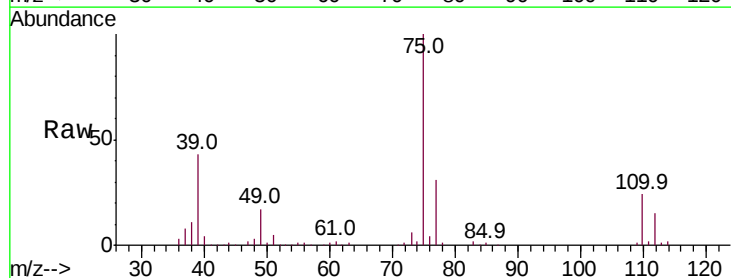
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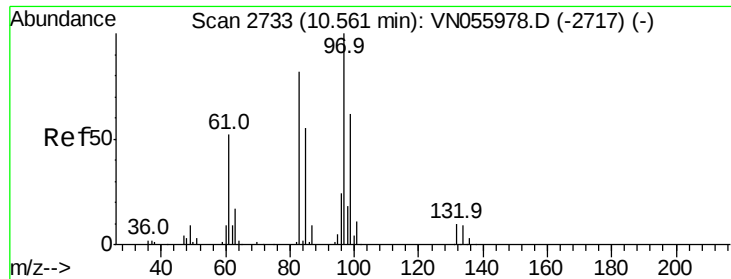
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#54
 cis-1,3-Dichloropropene
 Concen: 56.420 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	42.4	36.3	54.5





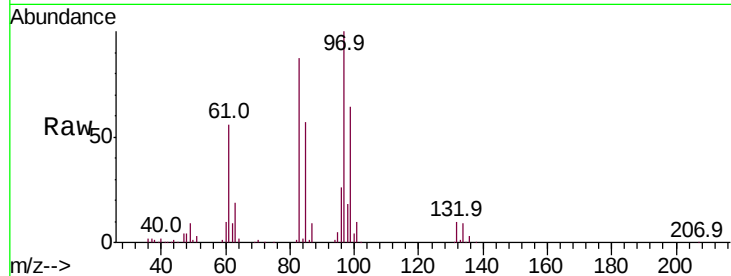
#55
 1,1,2-Trichloroethane
 Concen: 55.424 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

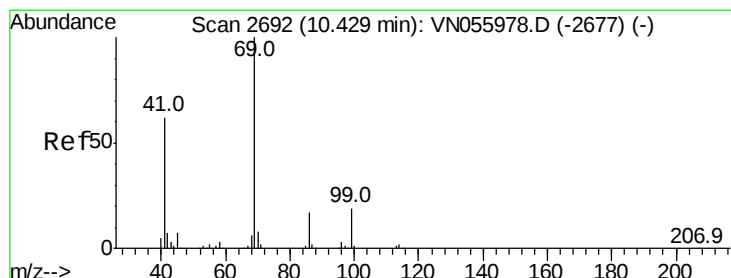
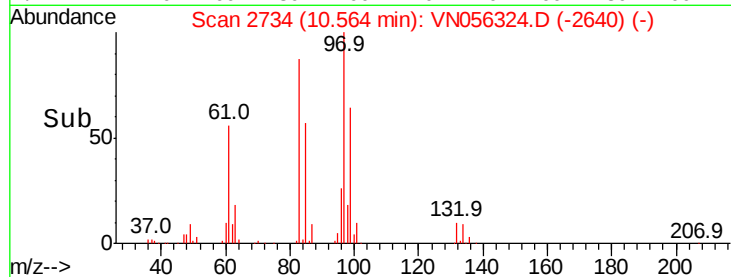
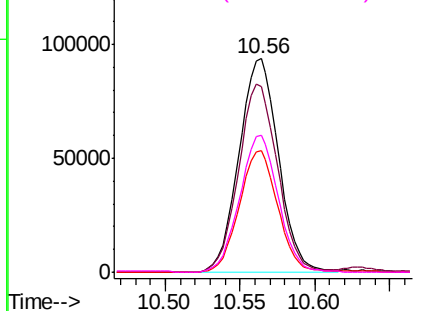
Tot Ion	97	Resp	172024
Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.0	100.6
85	56.8	44.0	66.0
99	64.1	50.6	75.8

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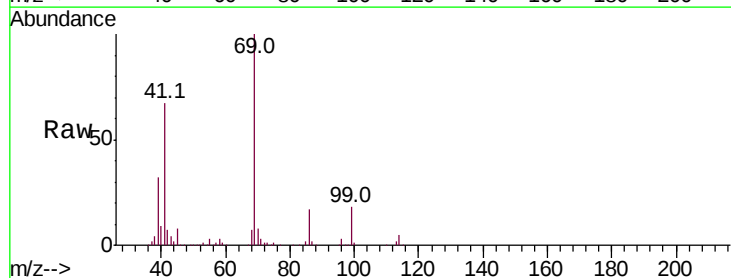


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

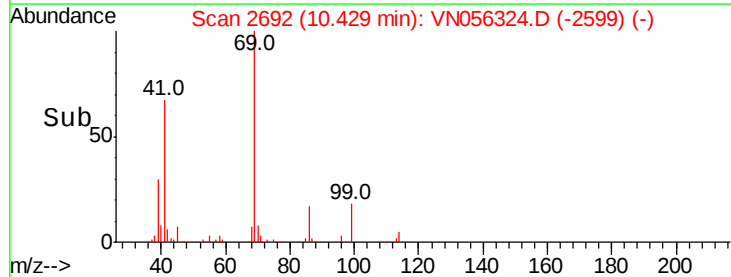
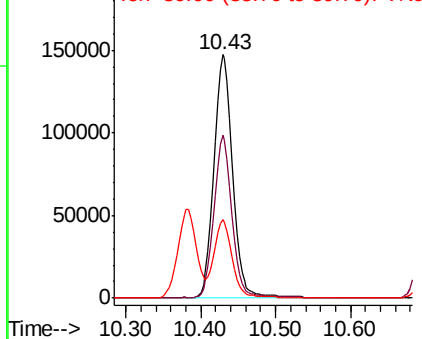


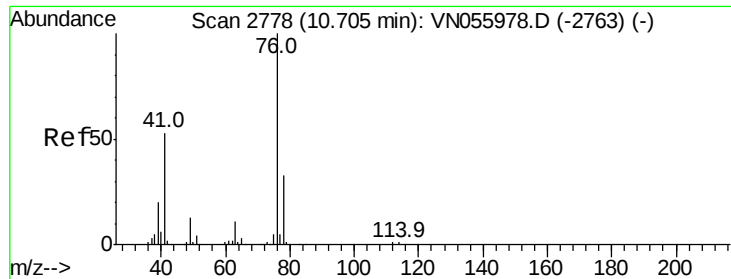
#56
 Ethyl methacrylate
 Concen: 56.970 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Tgt Ion	69	Resp	257966
Ion	Ratio	Lower	Upper
69	100		
41	63.0	49.7	74.5
39	31.0	24.7	37.1



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 55.810 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 281594

Ion Ratio Lower Upper

76 100

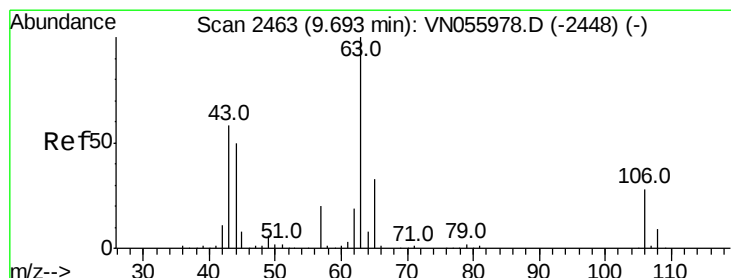
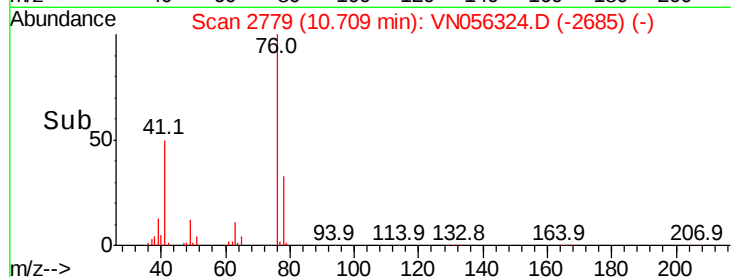
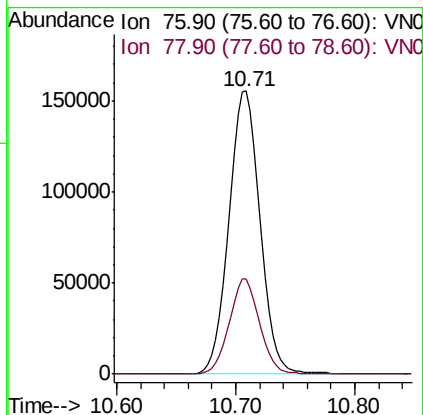
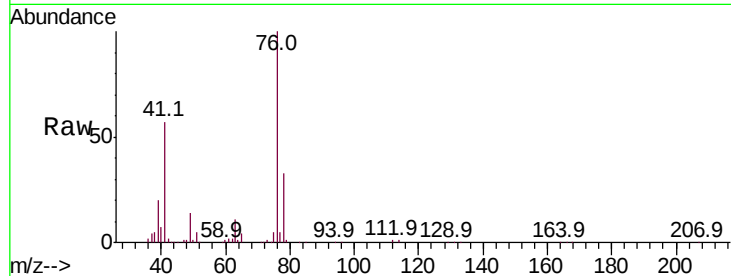
78 32.7 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 232.176 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056324.D

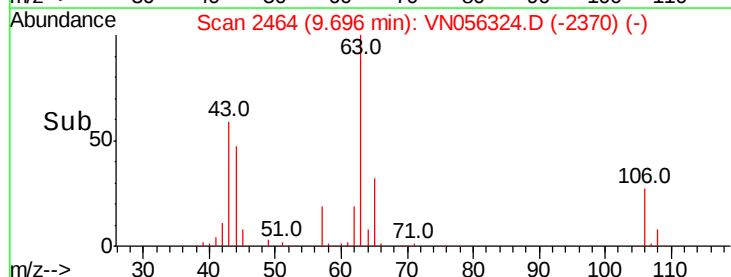
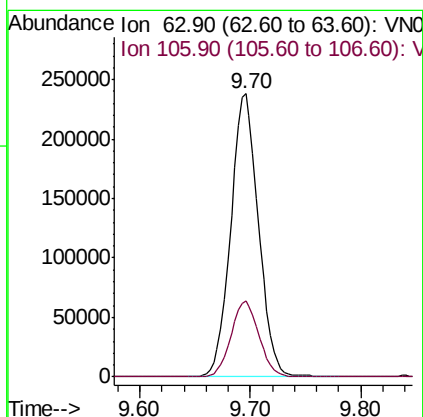
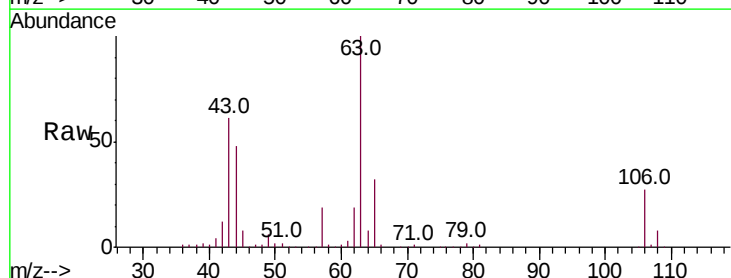
Acq: 14 Jun 2019 20:01

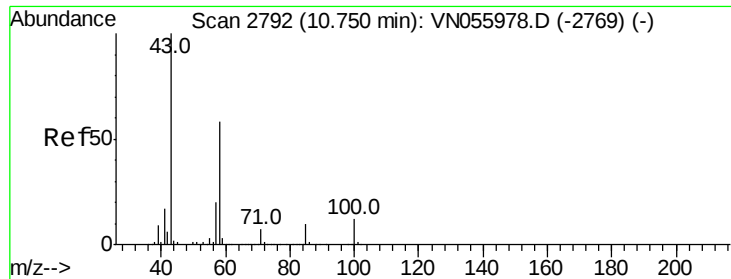
Tgt Ion: 63 Resp: 414803

Ion Ratio Lower Upper

63 100

106 27.1 22.7 34.1





#59

2-Hexanone

Concen: 286.632 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 776574

Ion Ratio Lower Upper

43 100

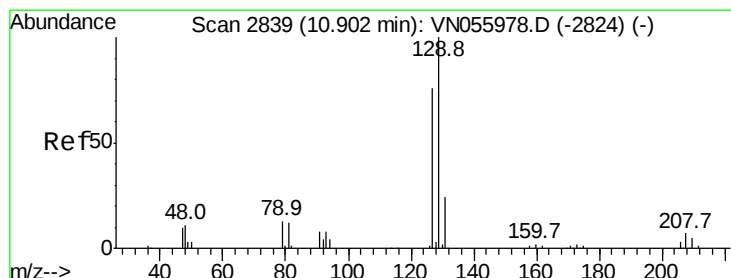
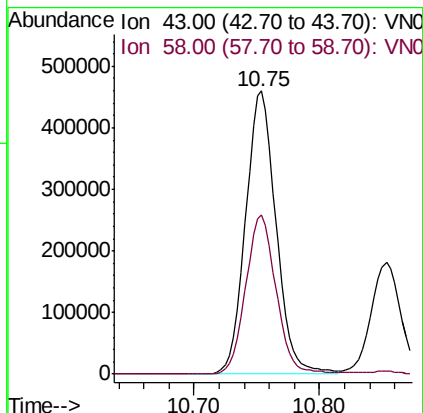
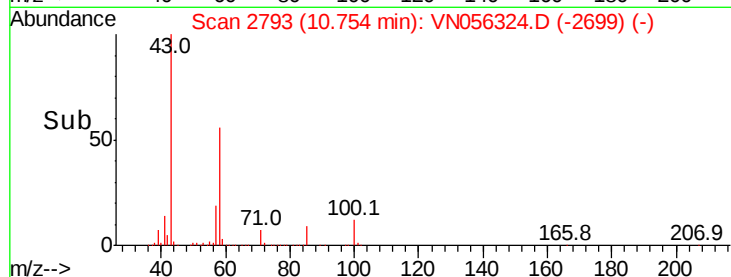
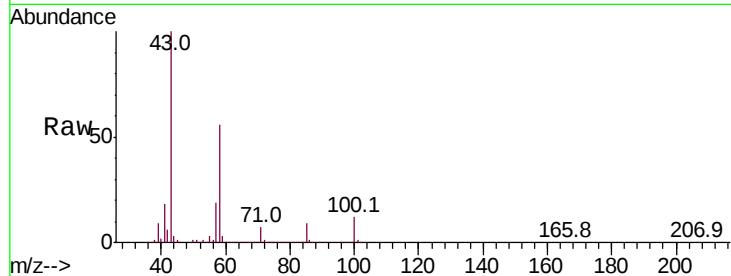
58 56.6 28.2 84.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 52.748 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056324.D

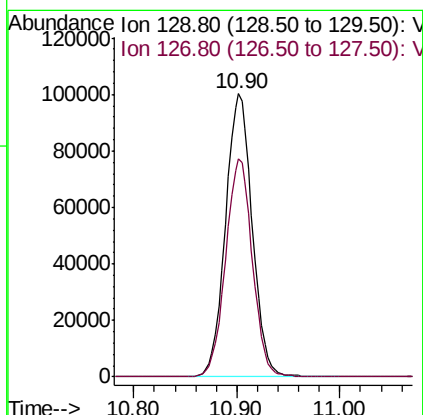
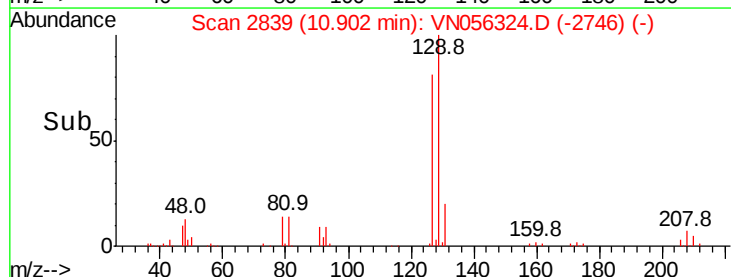
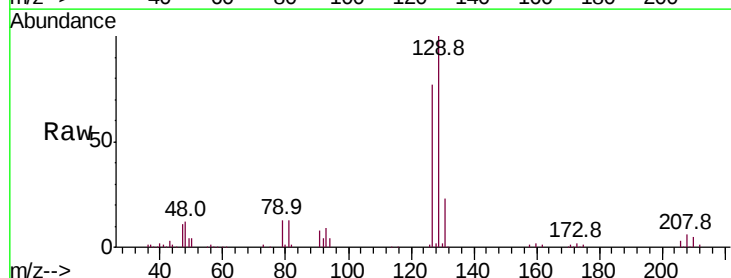
Acq: 14 Jun 2019 20:01

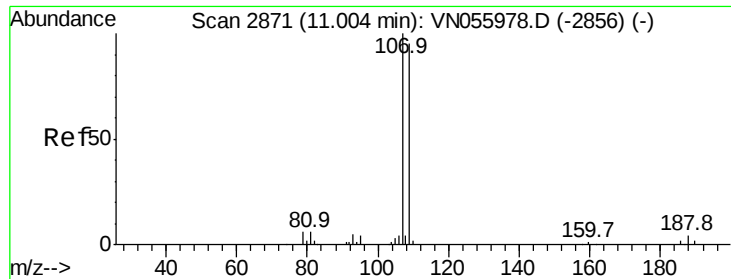
Tgt Ion: 129 Resp: 181052

Ion Ratio Lower Upper

129 100

127 77.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 55.526 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 176185

Ion Ratio Lower Upper

107 100

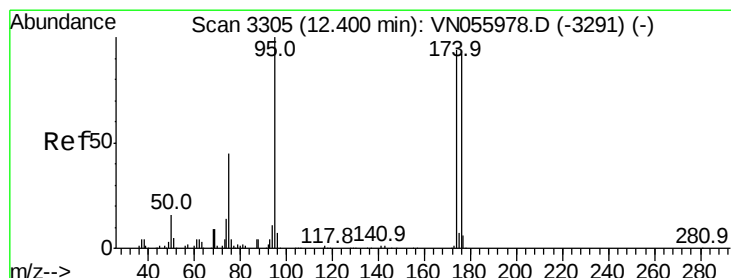
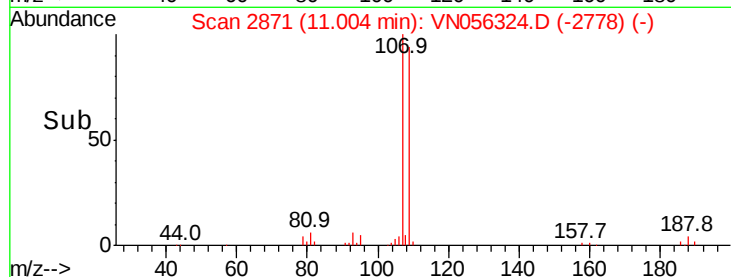
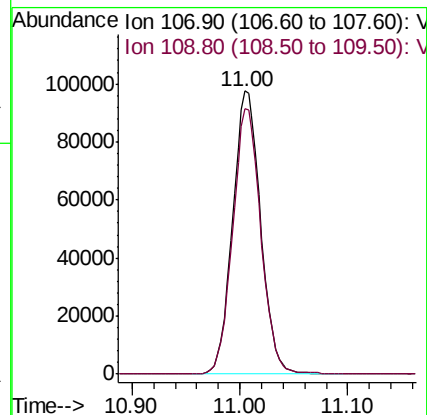
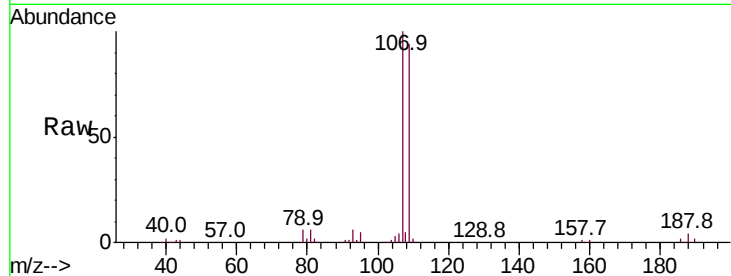
109 94.7 74.8 112.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.177 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

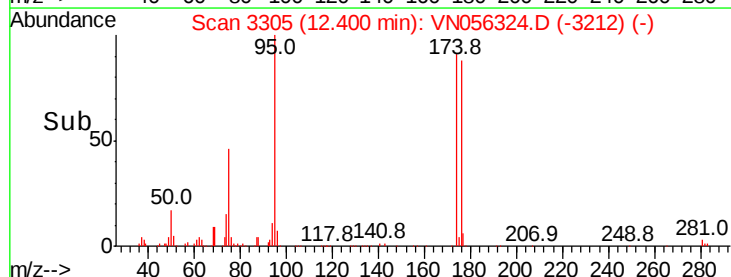
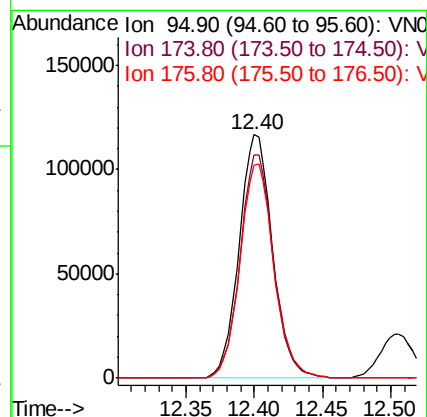
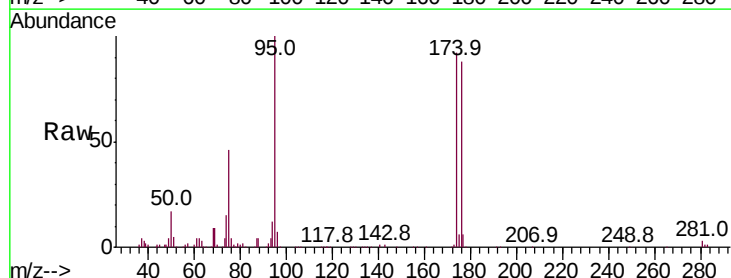
Tgt Ion: 95 Resp: 198114

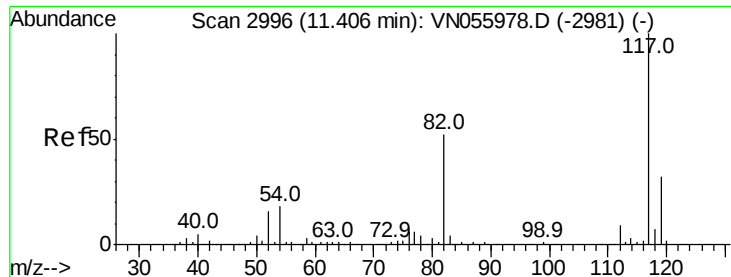
Ion Ratio Lower Upper

95 100

174 92.1 0.0 191.0

176 89.0 0.0 185.2





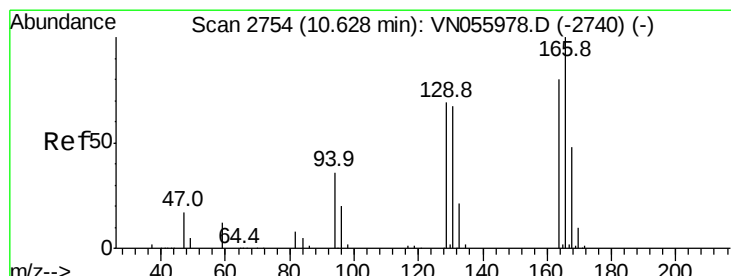
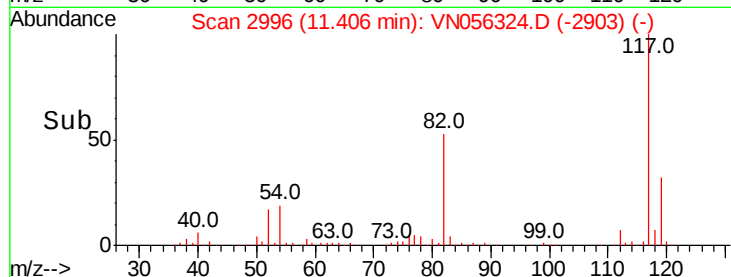
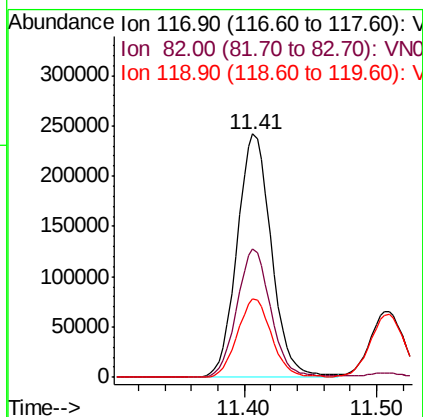
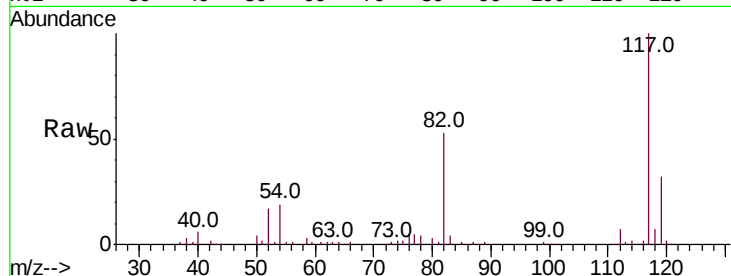
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	41.8	62.8
119	32.2	25.4	38.0

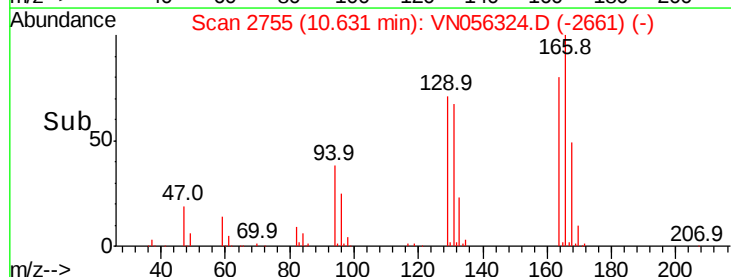
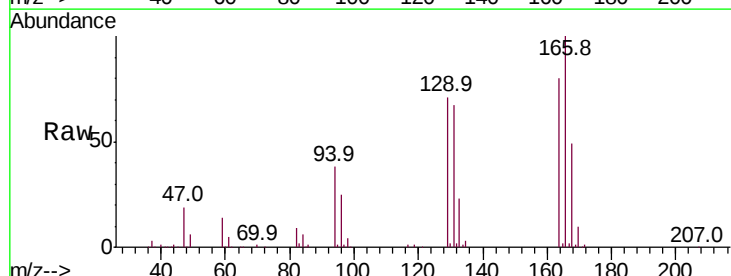
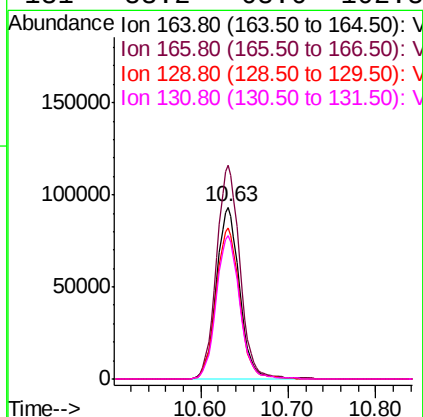
Manual Integrations
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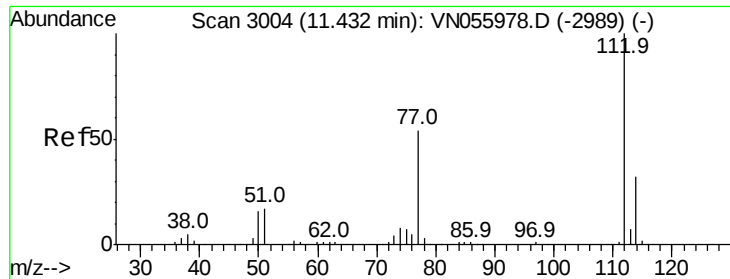
MMDadoda
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#64
Tetrachloroethene
Concen: 45.544 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.0	154.6
129	87.7	70.6	105.8
131	83.2	68.6	102.8





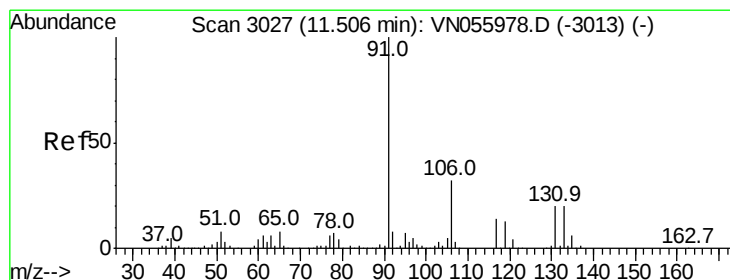
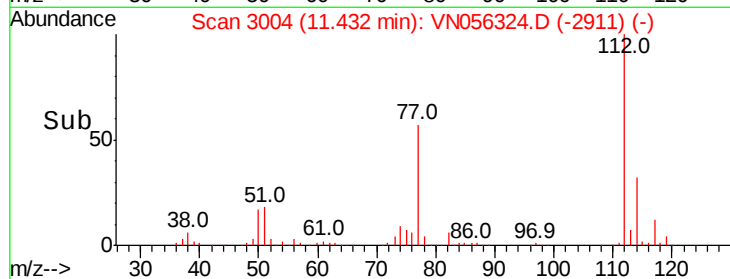
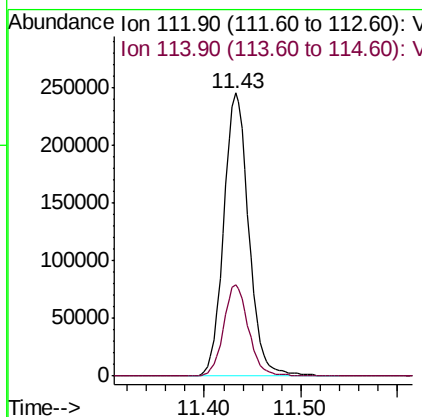
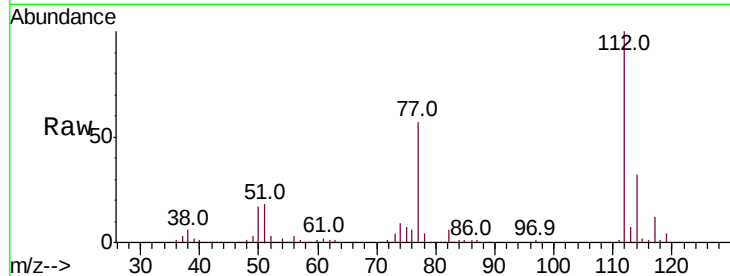
#65
Chlorobenzene
Concen: 50.993 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 440857
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.4

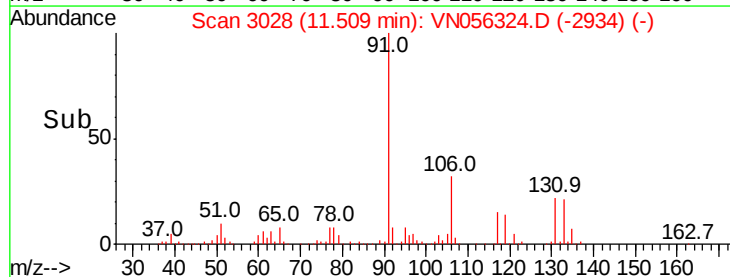
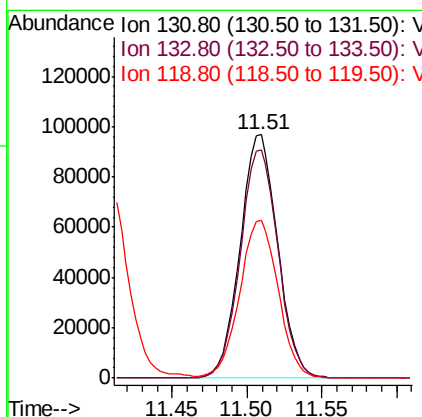
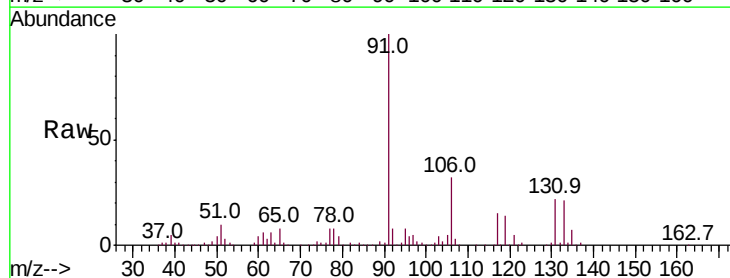
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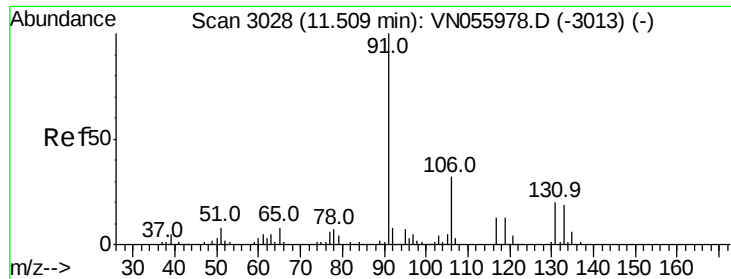
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.569 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion:131 Resp: 168868
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 66.9 33.1 99.5





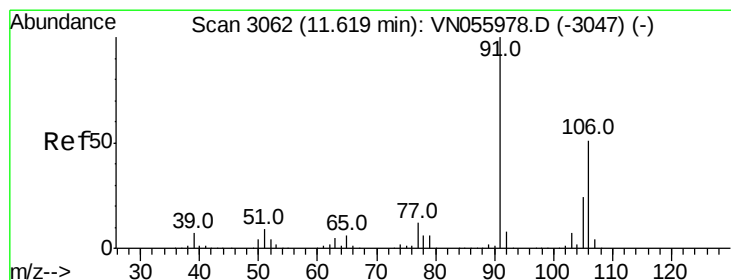
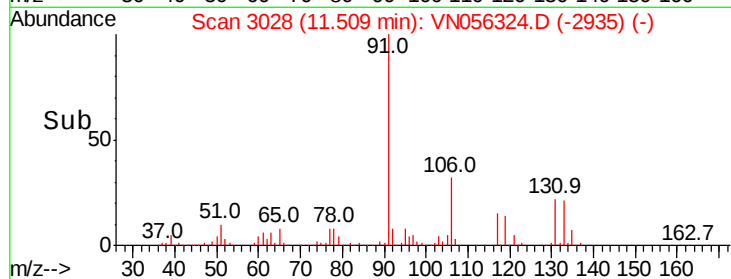
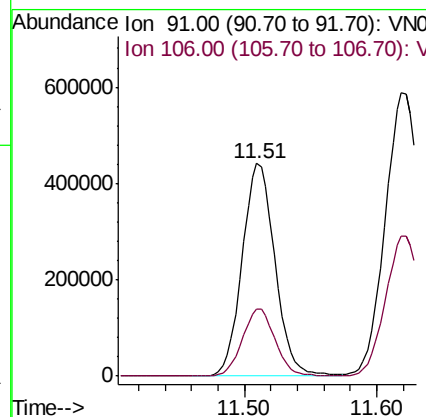
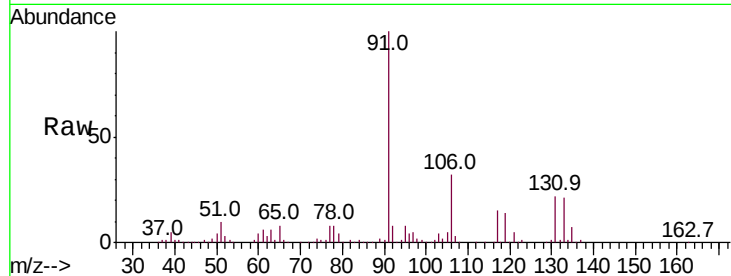
#67
Ethyl Benzene
Concen: 50.553 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 759968
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

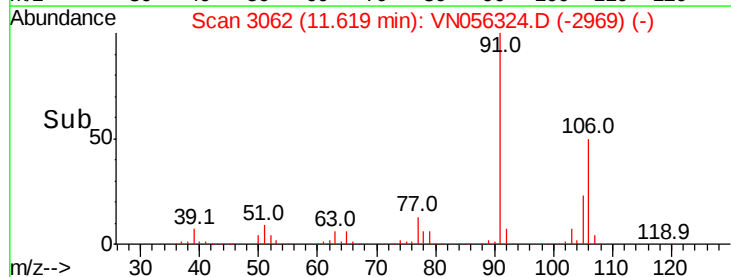
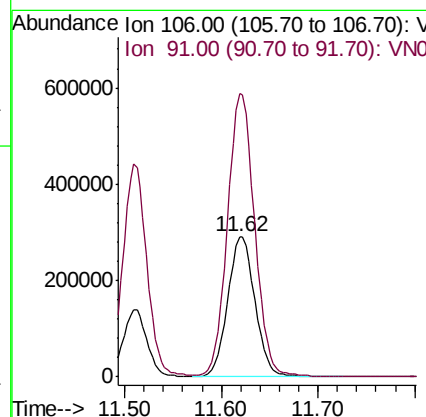
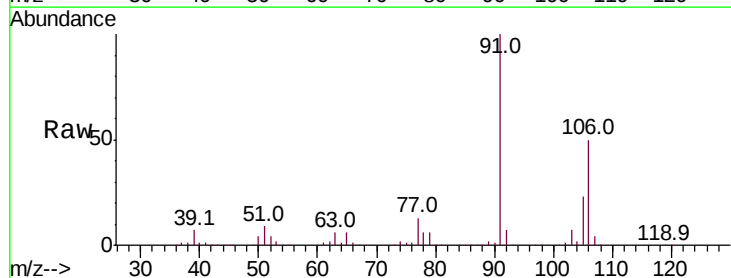
Manual Integrations
APPROVED

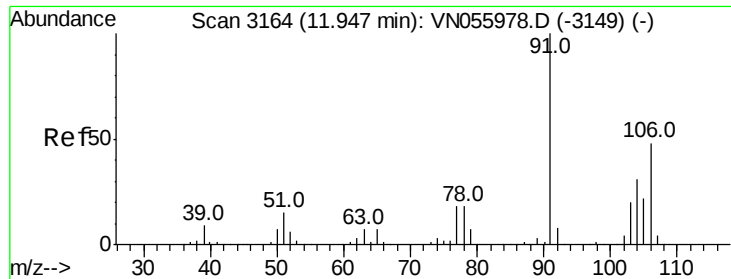
MMDadoda
6/17/2019 9:45:29 AM



#68
m/p-Xylenes
Concen: 99.568 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion: 106 Resp: 571798
Ion Ratio Lower Upper
106 100
91 201.0 159.3 238.9





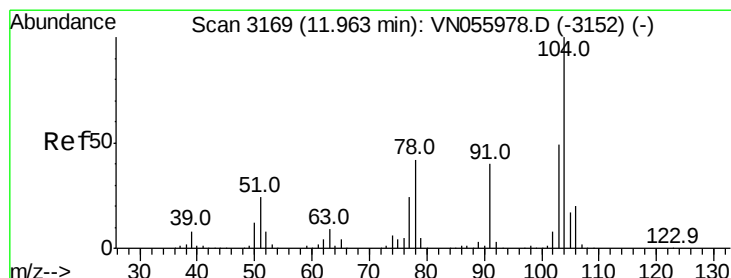
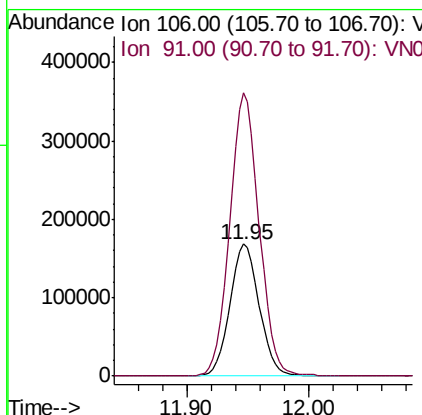
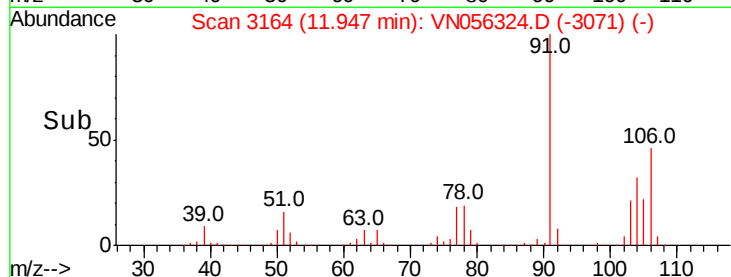
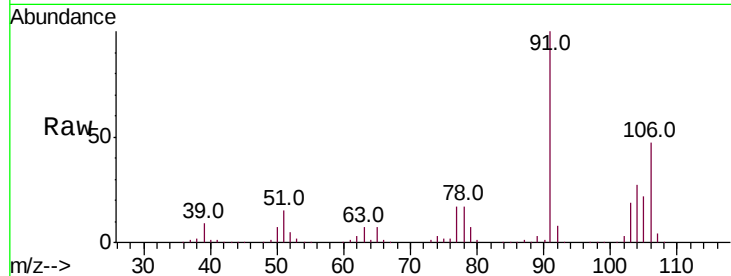
#69
o-Xylene
Concen: 49.937 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 282090
Ion Ratio Lower Upper
106 100
91 213.9 104.7 314.1

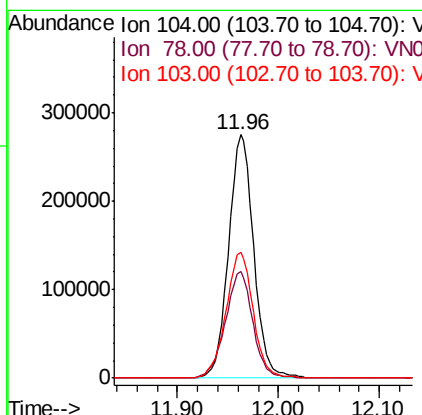
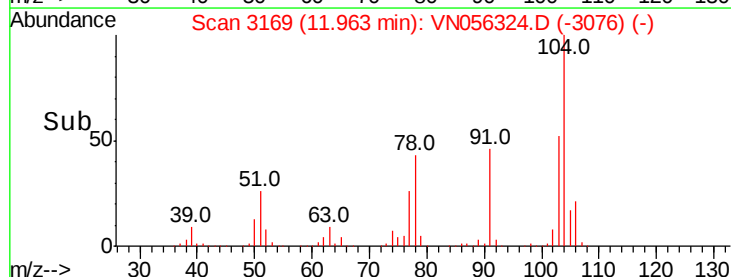
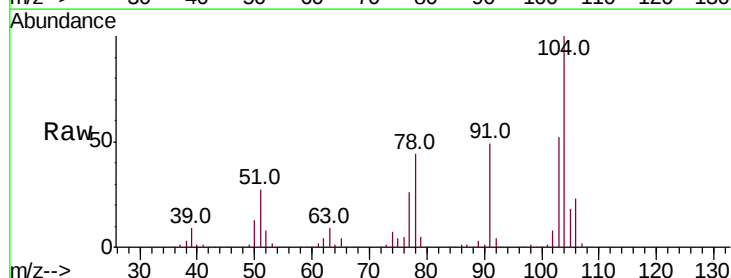
Manual Integrations
APPROVED

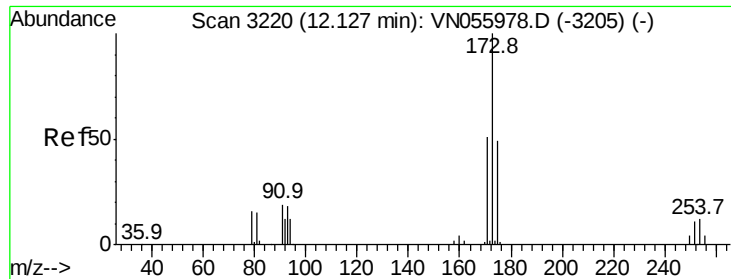
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#70
Styrene
Concen: 53.324 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion:104 Resp: 478600
Ion Ratio Lower Upper
104 100
78 47.8 37.8 56.6
103 56.0 44.2 66.2





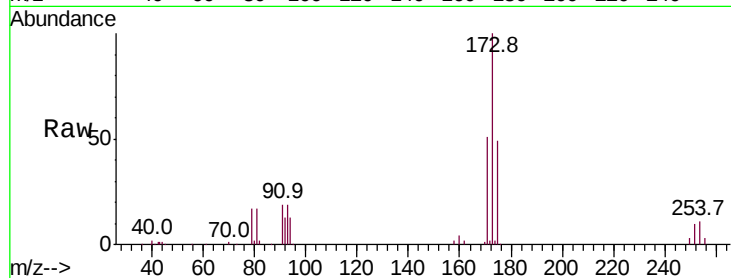
#71
Bromoform
Concen: 52.438 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.0	0.0	0.0

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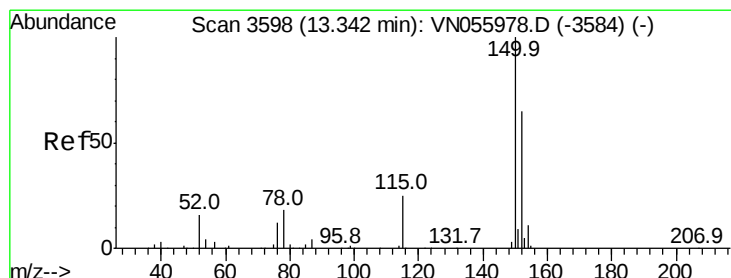
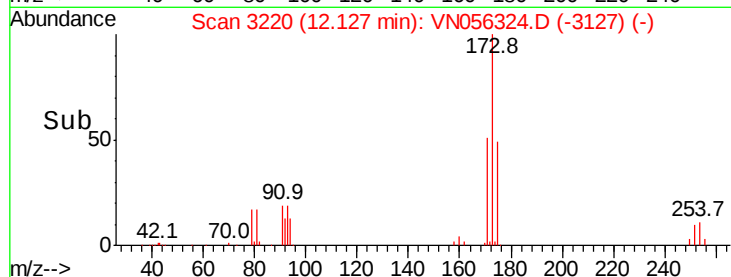
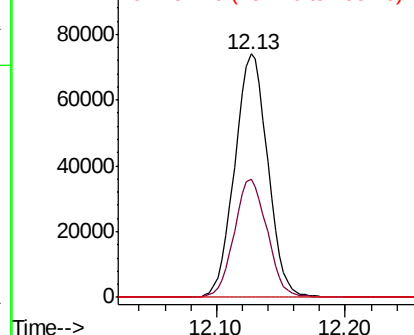


Abundance

Ion 172.70 (172.40 to 173.40): V

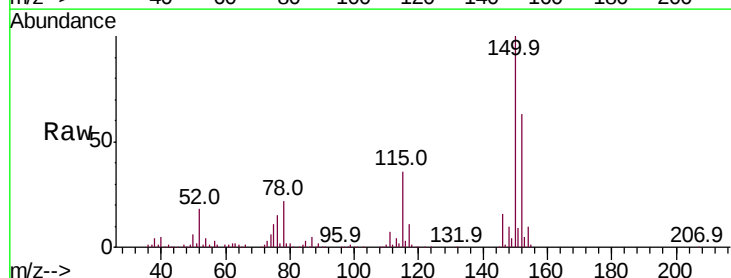
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.0	81.0
150	174.2	0.0	343.2

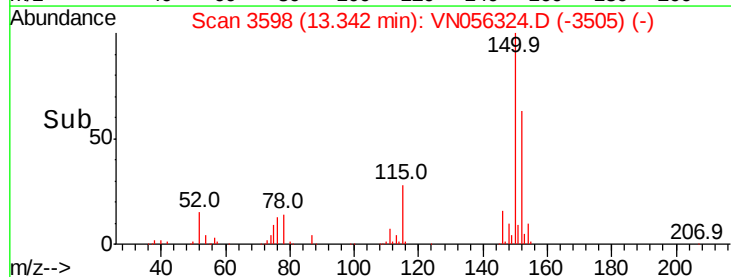
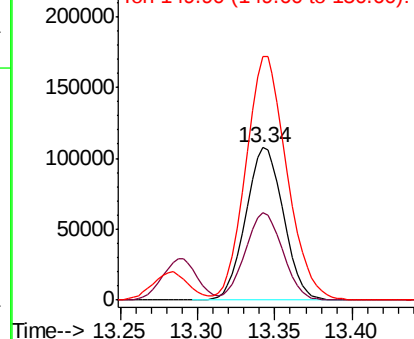


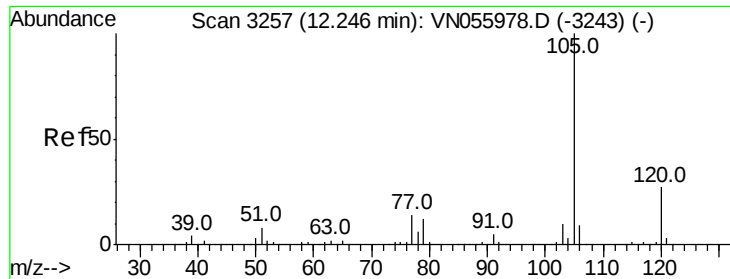
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.272 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 105 Resp: 752986

Ion Ratio Lower Upper

105 100

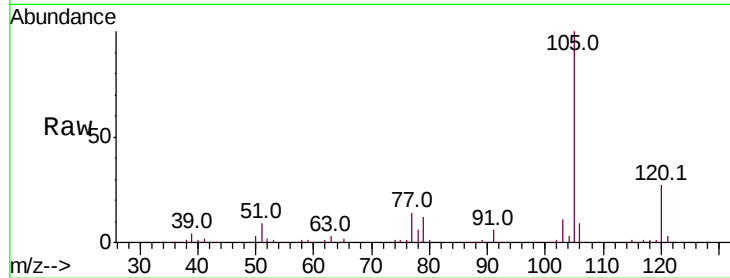
120 26.6 13.6 40.7

Manual Integrations

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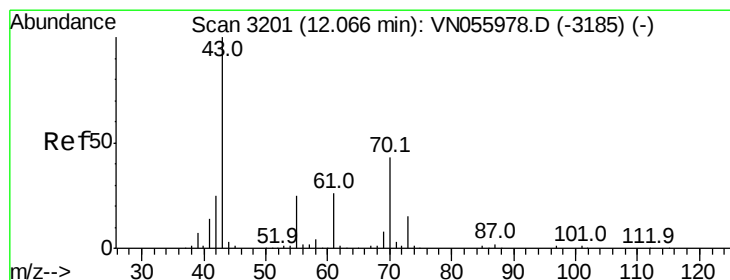
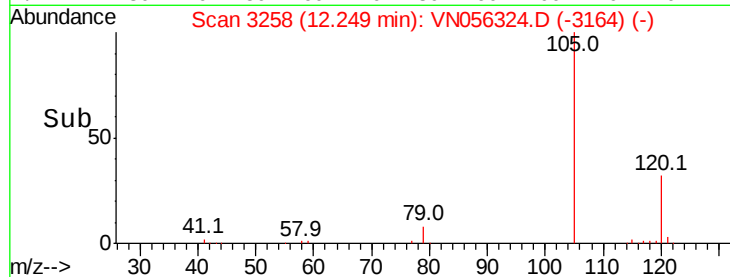
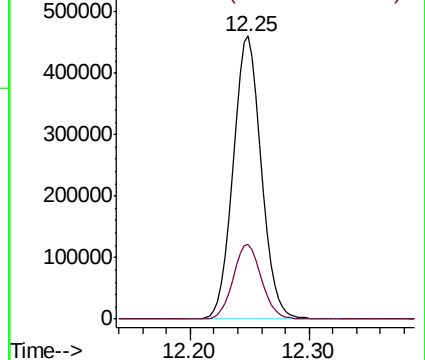
MMDadoda

6/17/2019 9:45:29 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.237 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tgt Ion: 43 Resp: 278505

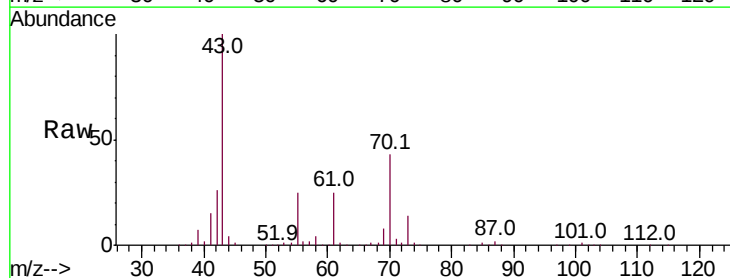
Ion Ratio Lower Upper

43 100

70 44.0 34.0 51.0

55 25.9 18.6 28.0

61 25.0 20.0 30.0

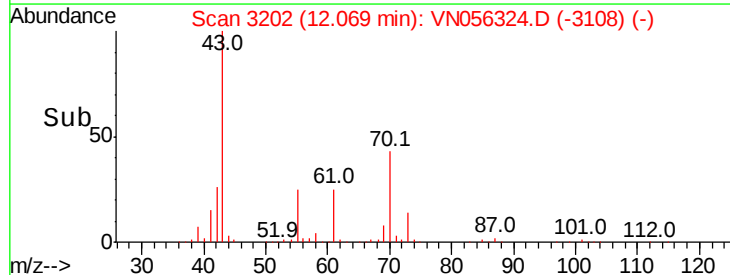
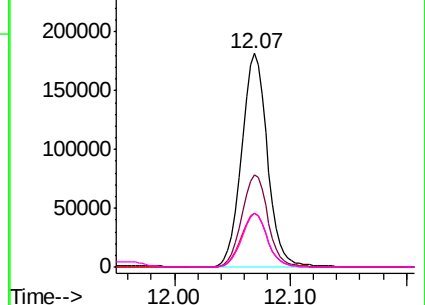


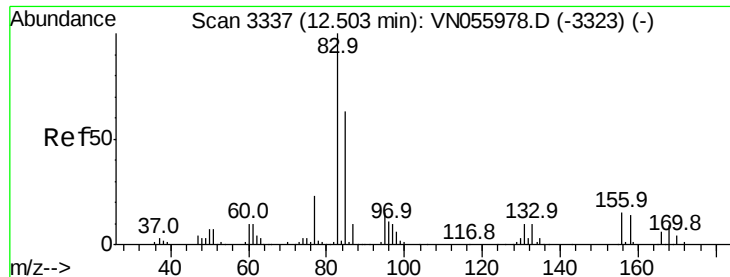
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.786 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

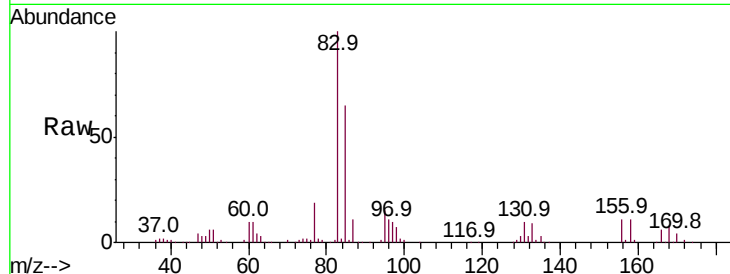
ClientSampleId :

VSTDCCC050EC

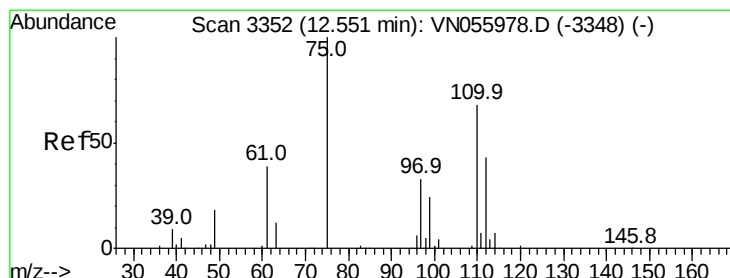
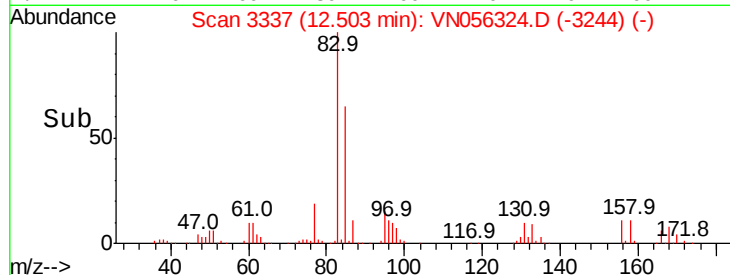
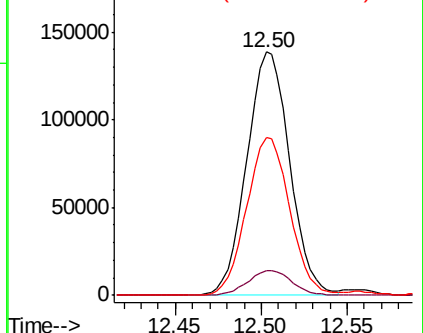
Tot Ion:	83	Resp:	240631
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.4	16.2
85	65.2	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 58.873 ug/l m

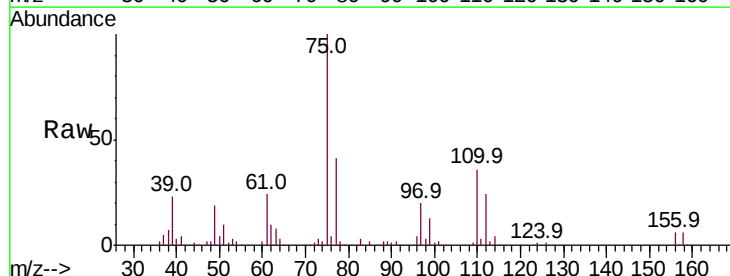
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

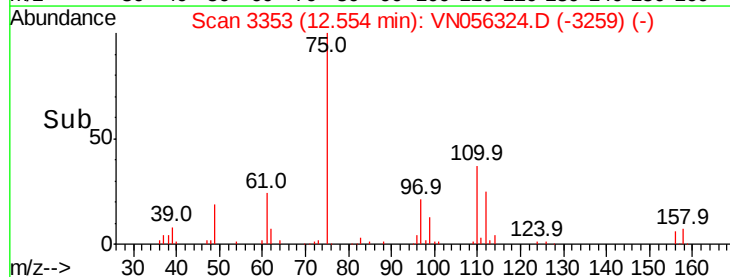
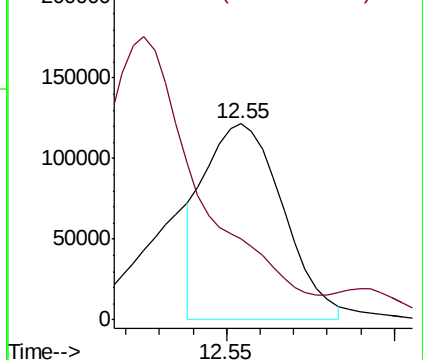
Lab File: VN056324.D

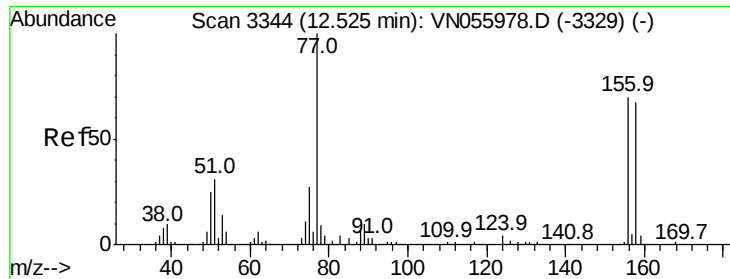
Acq: 14 Jun 2019 20:01

Tgt Ion:	75	Resp:	197740
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.189 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 200052

Ion Ratio Lower Upper

156 100

77 185.1 90.8 272.5

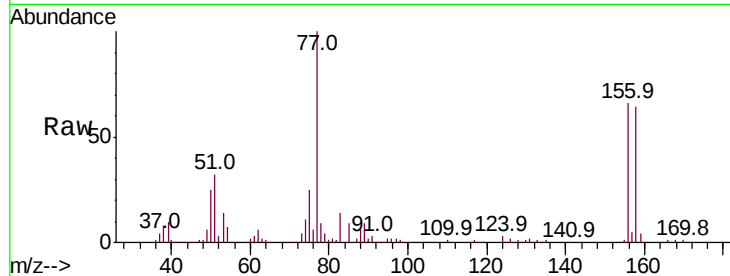
158 97.5 49.3 147.8

Manual Integrations

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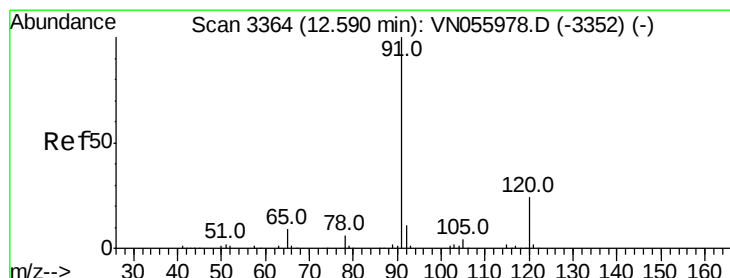
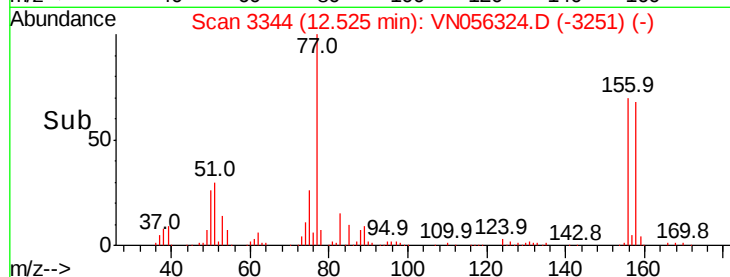
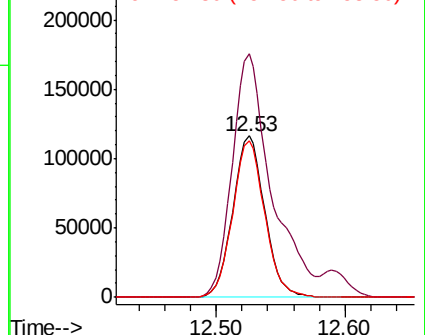
6/17/2019 9:45:29 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.806 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056324.D

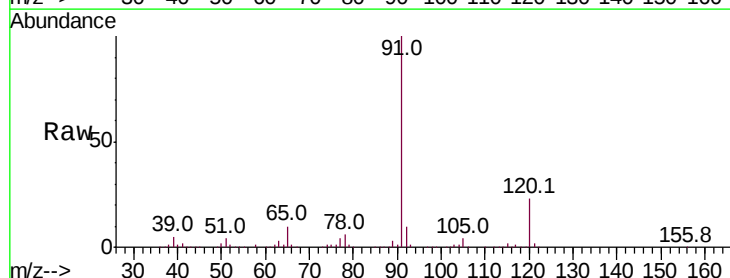
Acq: 14 Jun 2019 20:01

Tgt Ion: 91 Resp: 815465

Ion Ratio Lower Upper

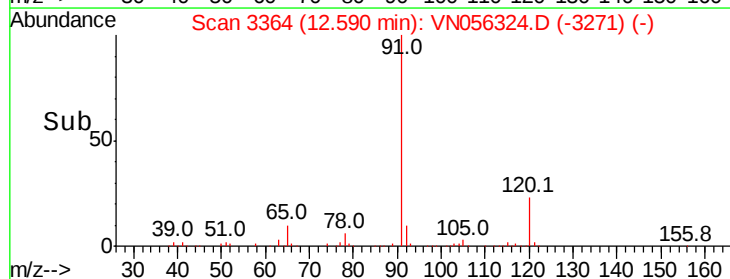
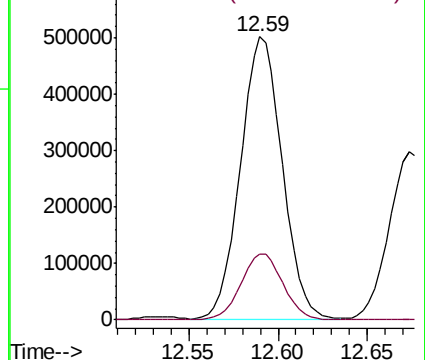
91 100

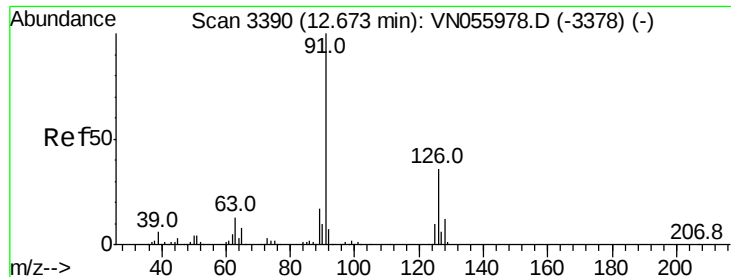
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 58.619 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 498677

Ion Ratio Lower Upper

91 100

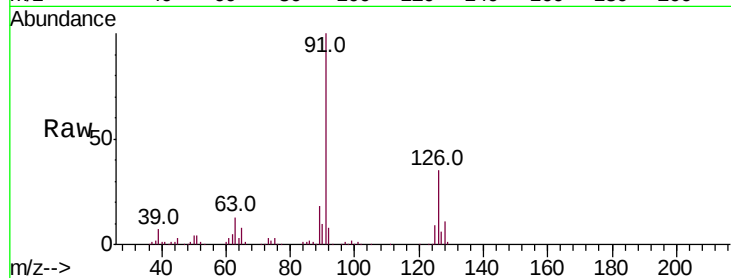
126 35.9 18.1 54.4

Manual Integrations

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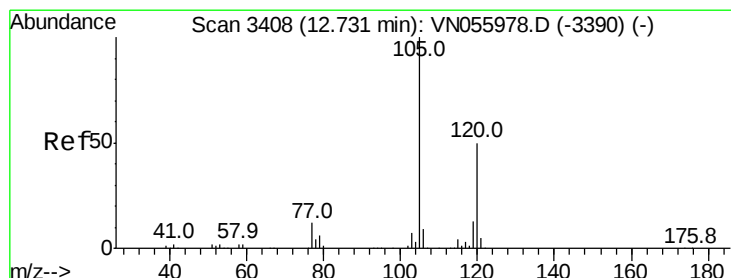
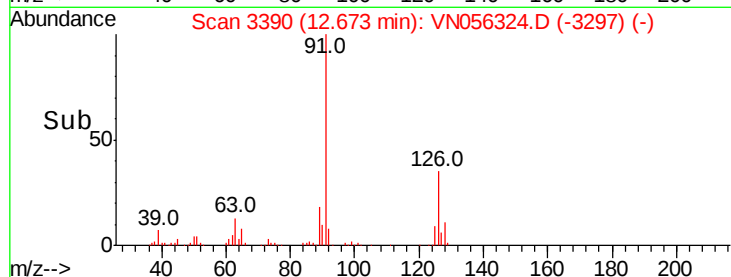
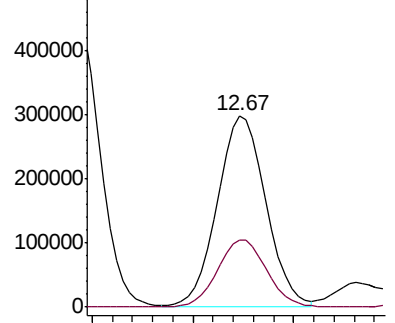
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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.303 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056324.D

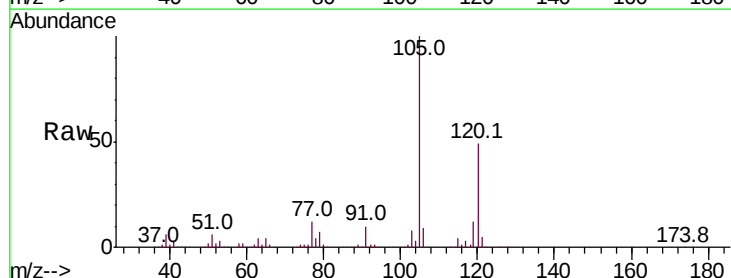
Acq: 14 Jun 2019 20:01

Tgt Ion: 105 Resp: 617372

Ion Ratio Lower Upper

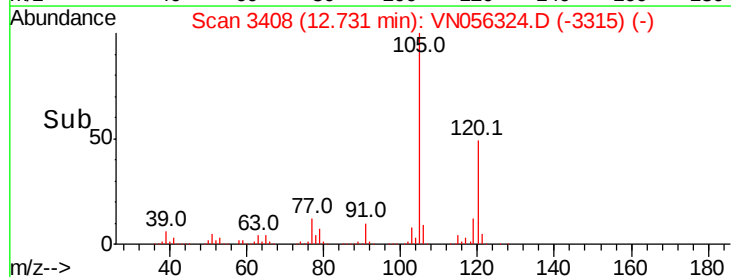
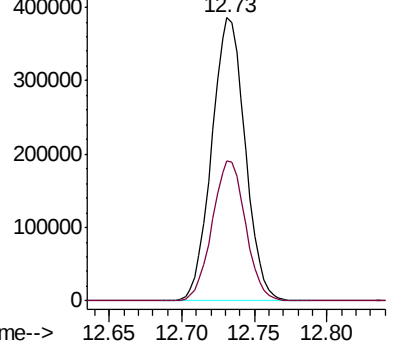
105 100

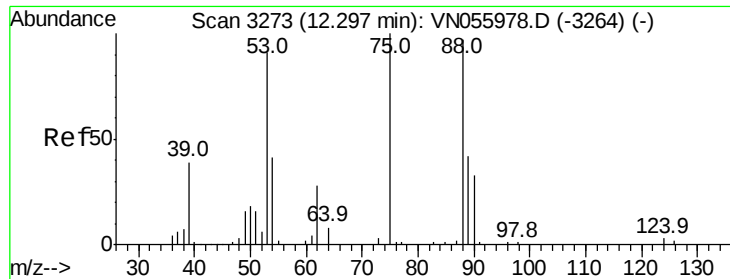
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 58.973 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 59479

Ion Ratio Lower Upper

75 100

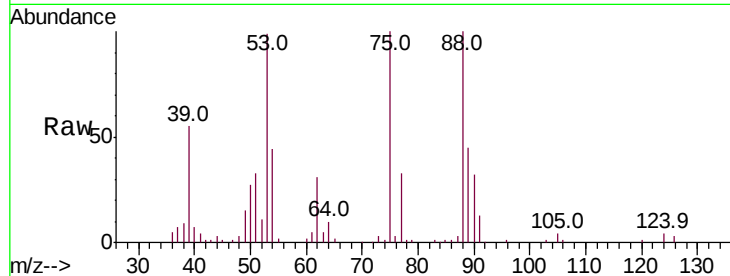
53 97.1 68.1 102.1

89 44.2 36.9 55.3

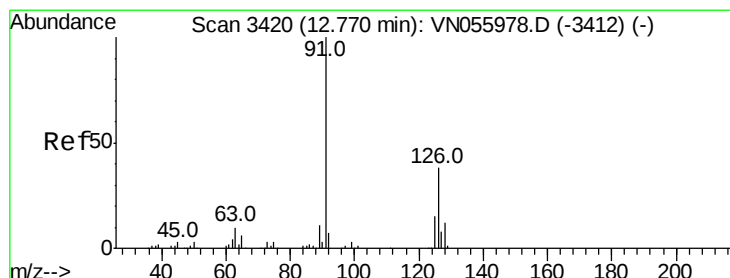
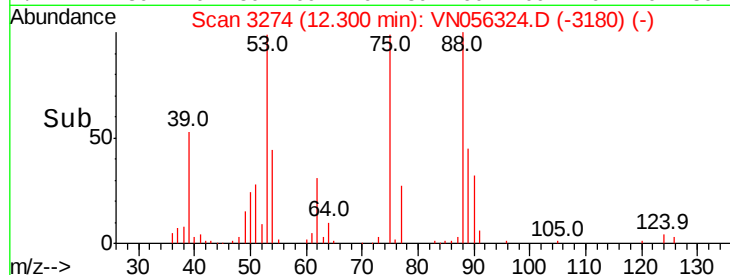
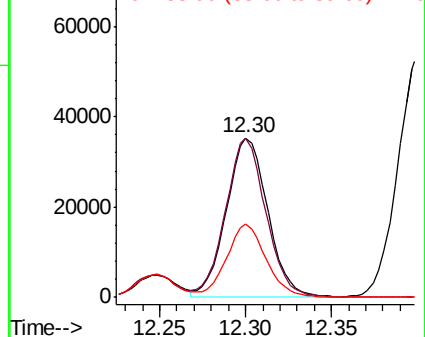
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Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 53.196 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056324.D

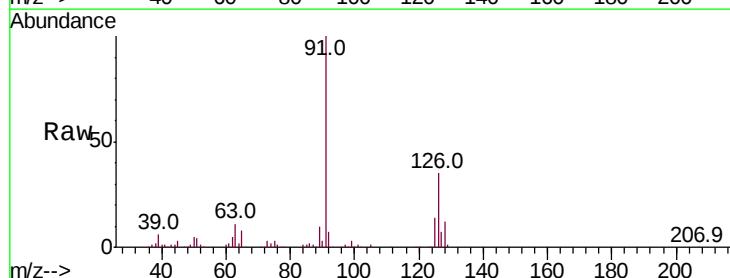
Acq: 14 Jun 2019 20:01

Tgt Ion: 91 Resp: 480603

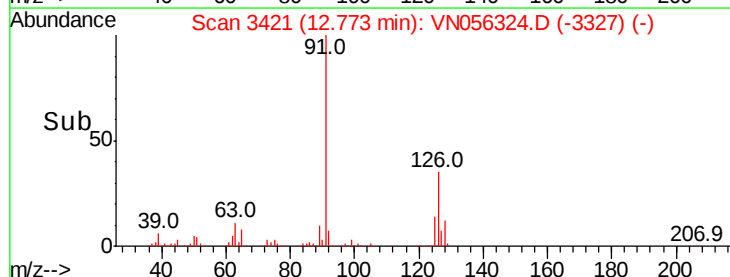
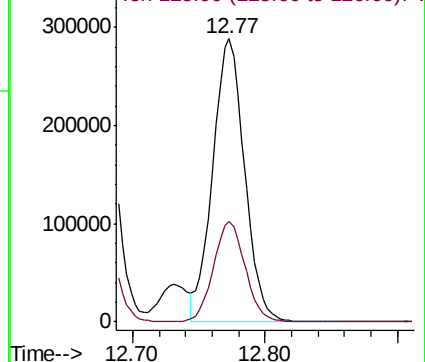
Ion Ratio Lower Upper

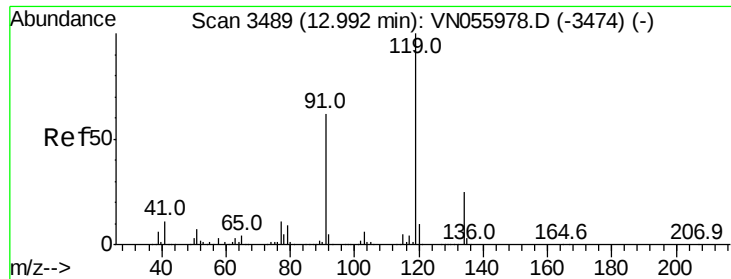
91 100

126 35.2 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





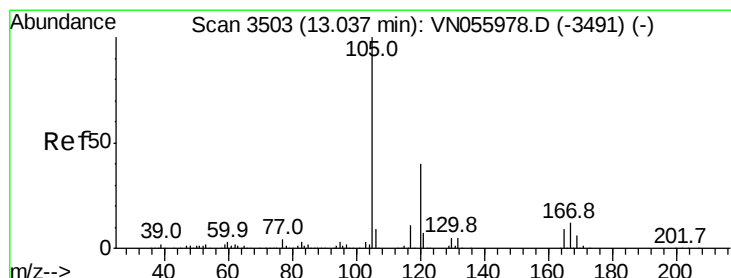
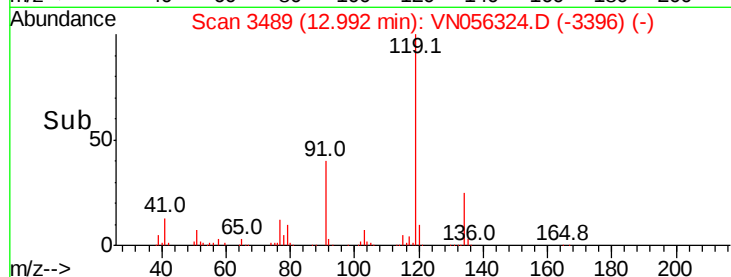
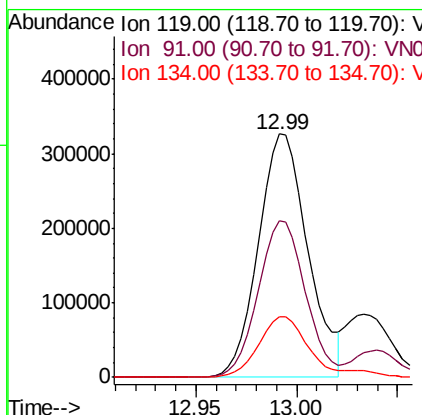
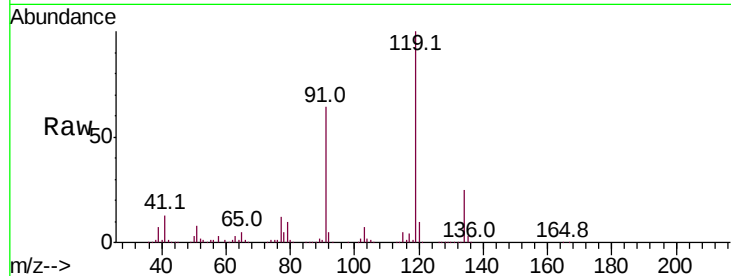
#83
tert-Butylbenzene
Concen: 59.161 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	558606		
91	61.5	30.9	92.8	
134	26.4	13.3	39.8	

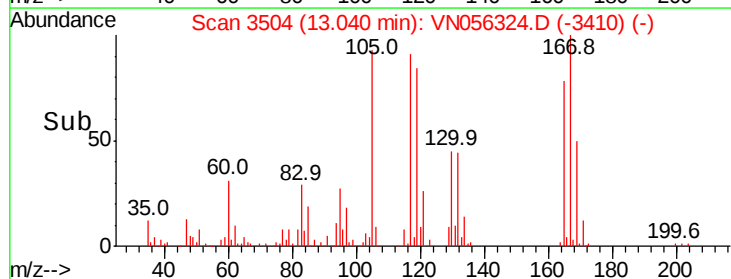
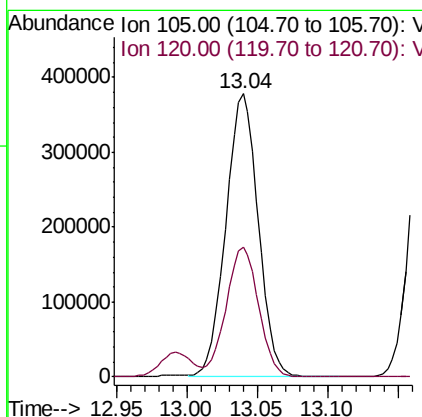
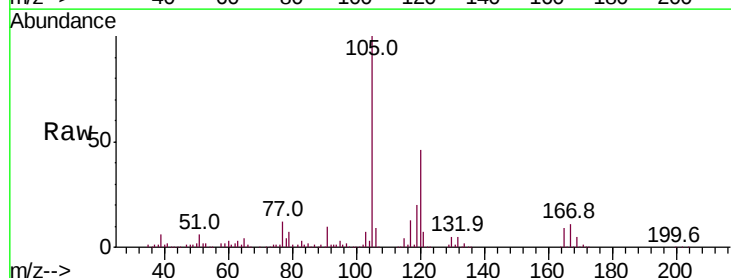
Manual Integrations
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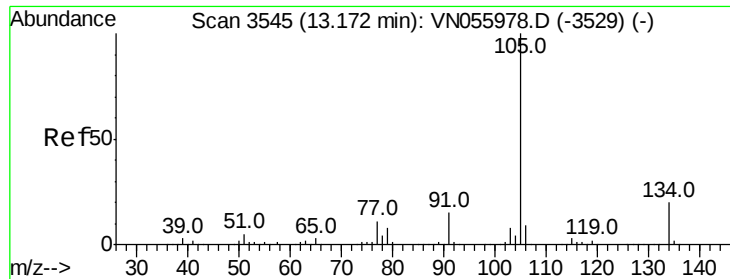
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#84
1,2,4-Trimethylbenzene
Concen: 52.063 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	605940		
120	46.1	23.0	69.0	





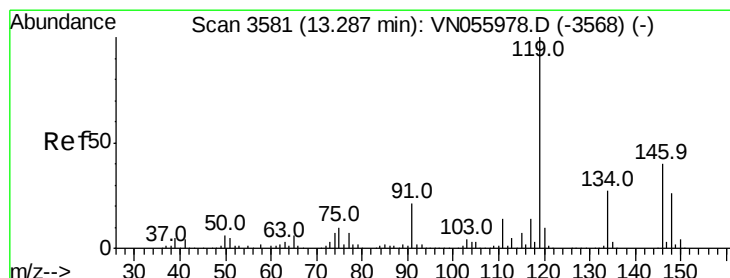
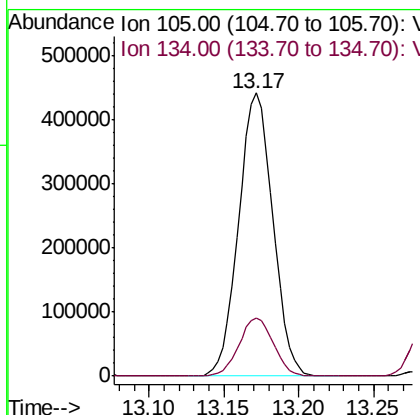
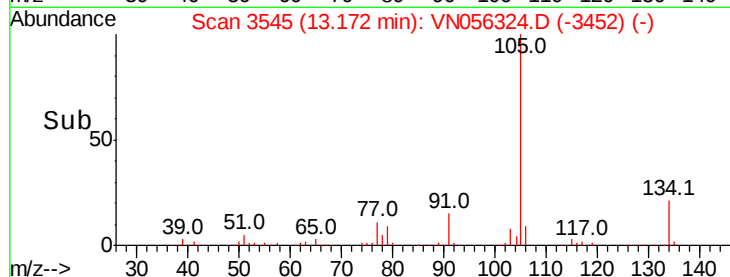
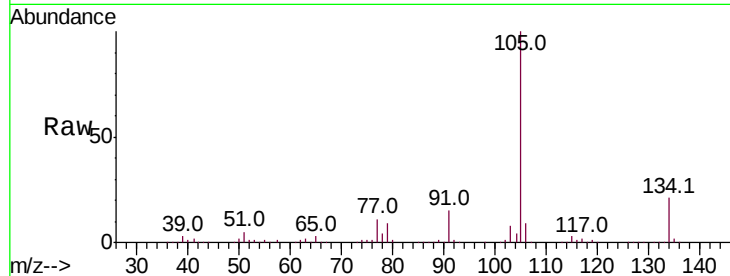
#85
 sec-Butylbenzene
 Concen: 51.485 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.2

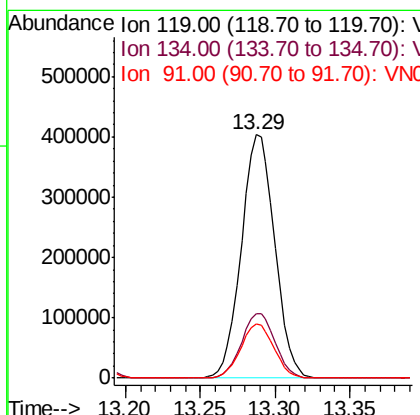
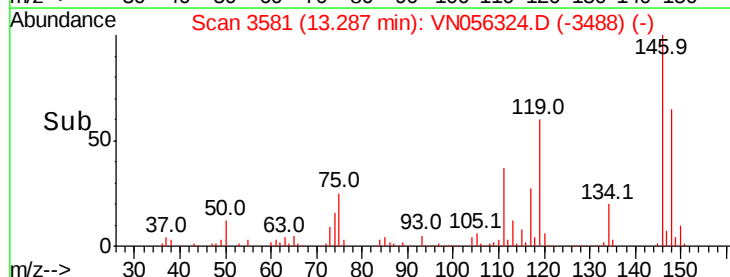
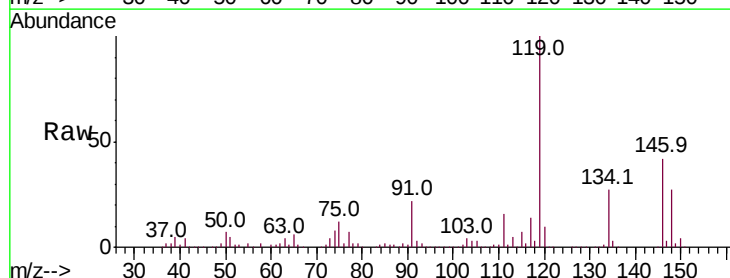
Manual Integrations
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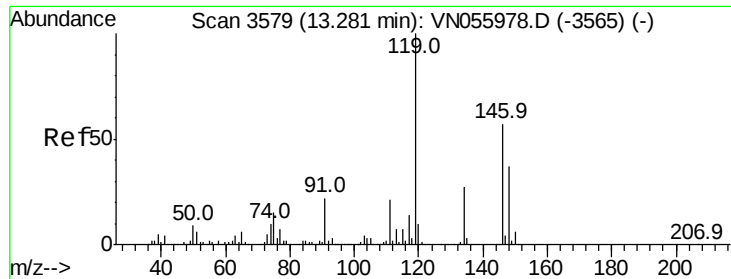
MMDadoda
 6/17/2019 9:45:29 AM



#86
 p-Isopropyltoluene
 Concen: 51.140 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	22.3	10.9	32.9





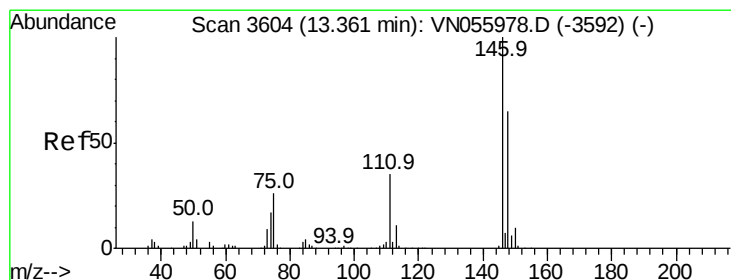
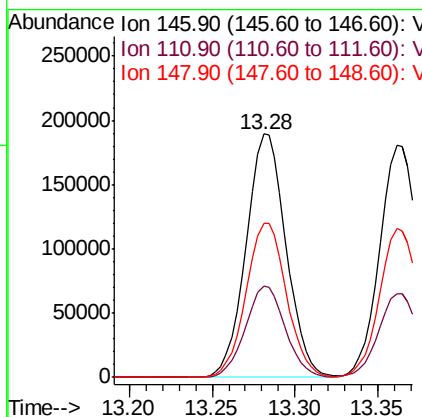
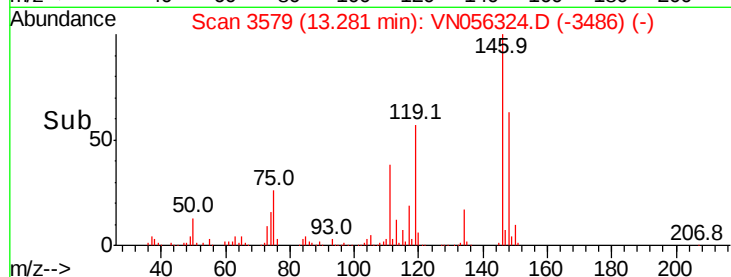
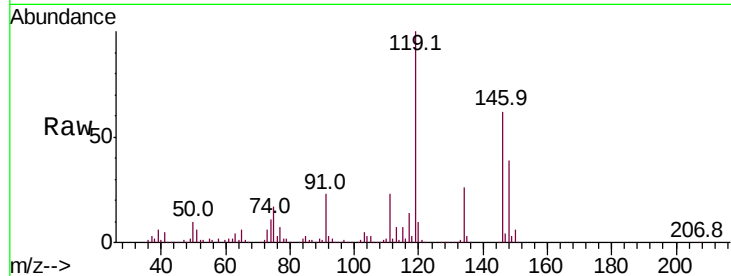
#87
 1,3-Dichlorobenzene
 Concen: 52.397 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.5	55.5
148	64.2	32.0	96.2

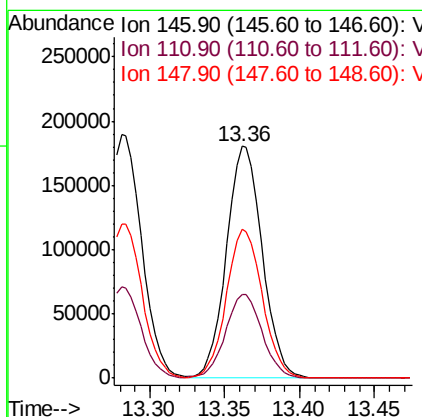
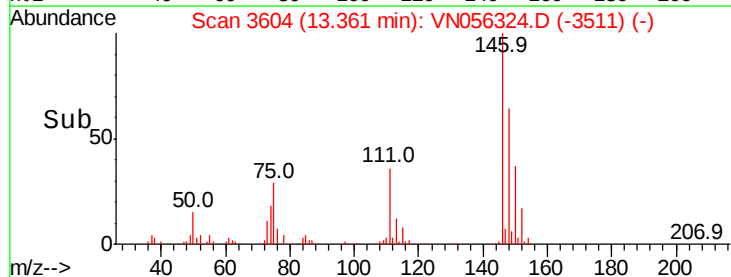
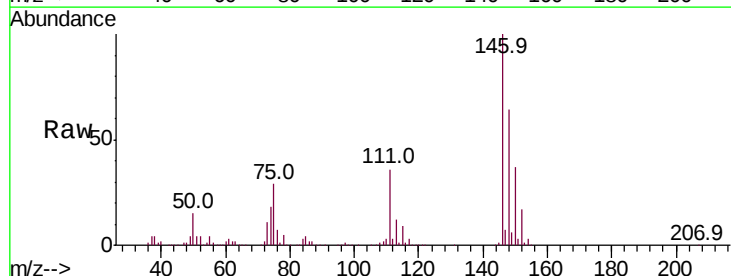
Manual Integrations
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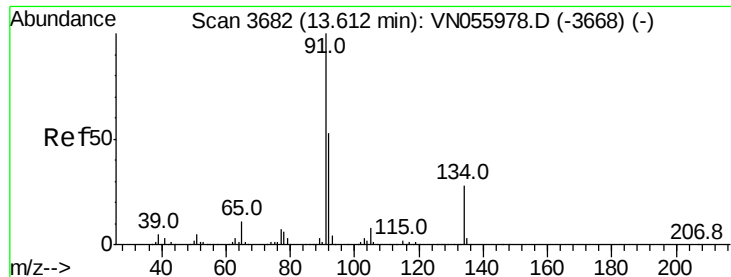
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 6/17/2019 9:45:29 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.749 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.4
148	64.4	32.1	96.5





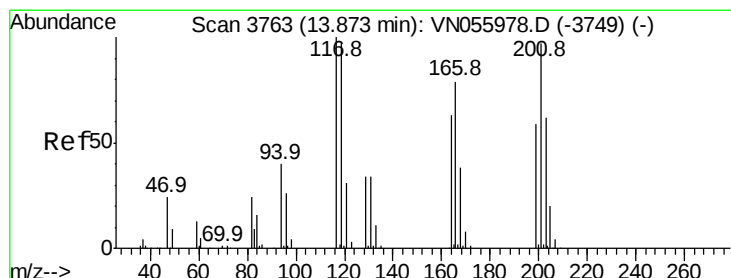
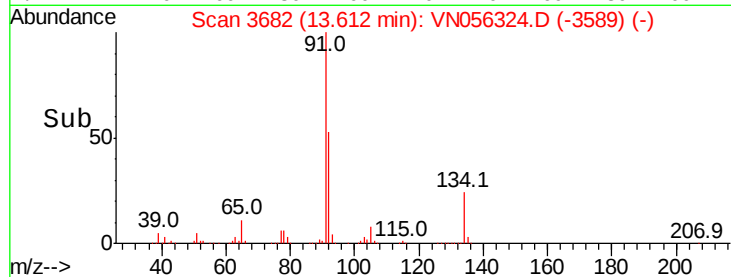
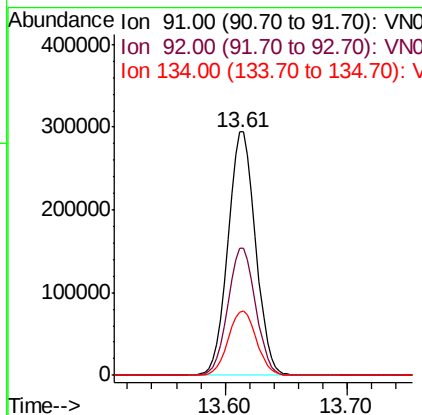
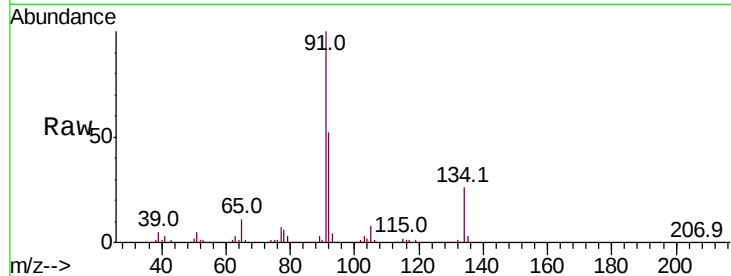
#89
n-Butylbenzene
Concen: 51.308 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.0
134	27.1	13.9	41.7

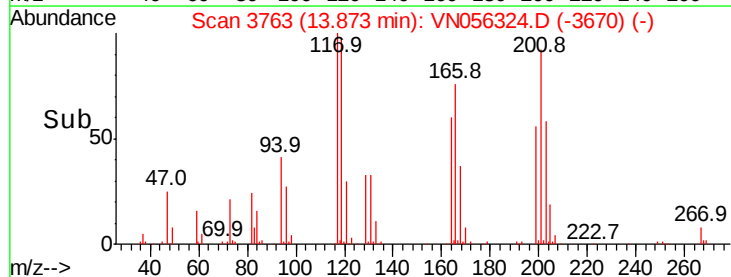
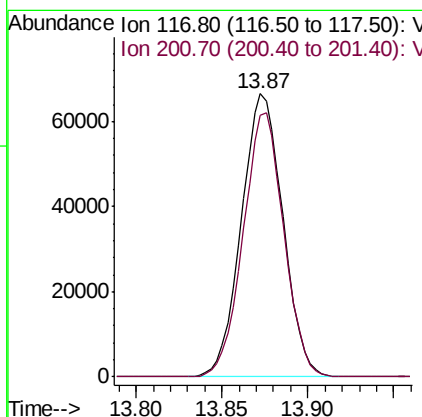
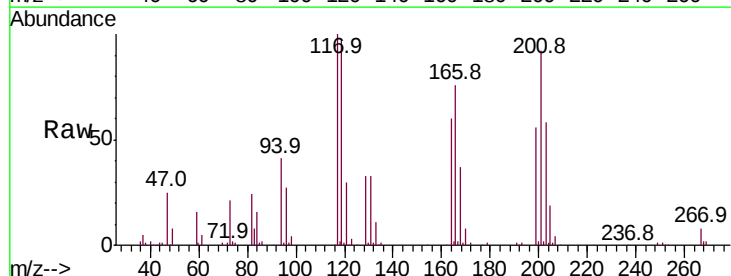
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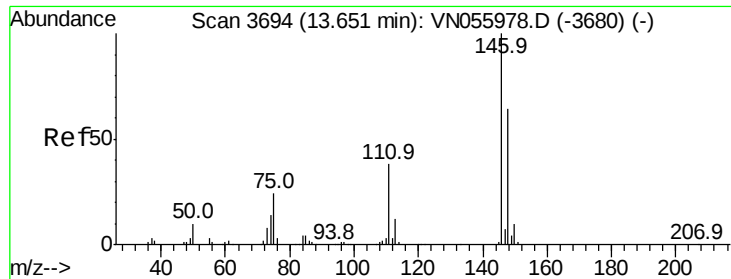
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#90
Hexachloroethane
Concen: 60.352 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056324.D
Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	50.0	150.0





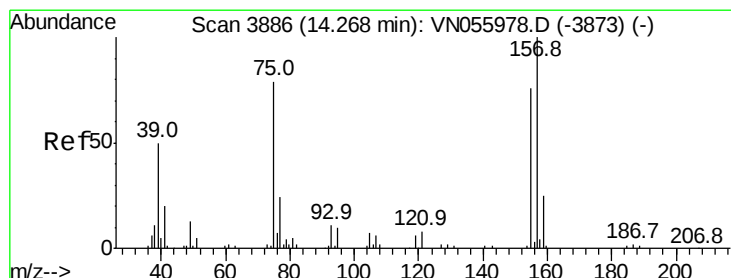
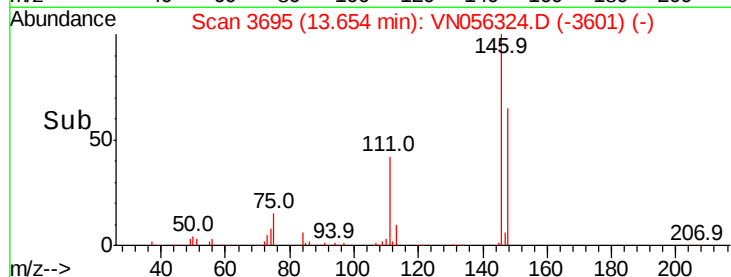
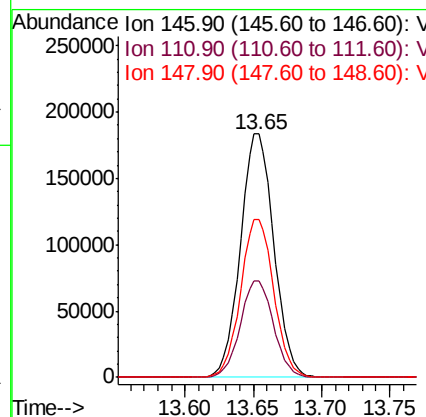
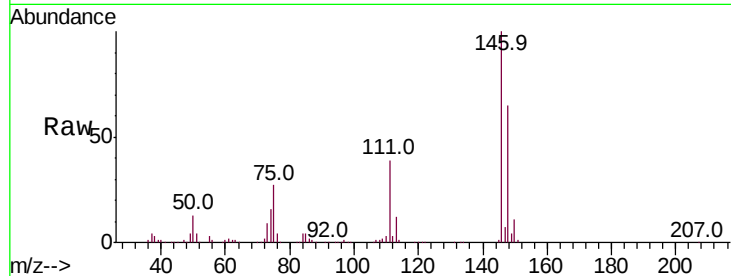
#91
 1,2-Dichlorobenzene
 Concen: 51.093 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	64.3	31.9	95.9

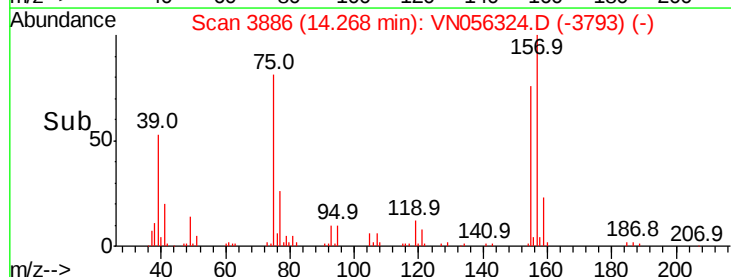
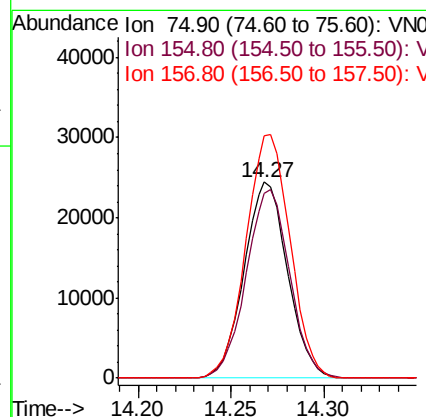
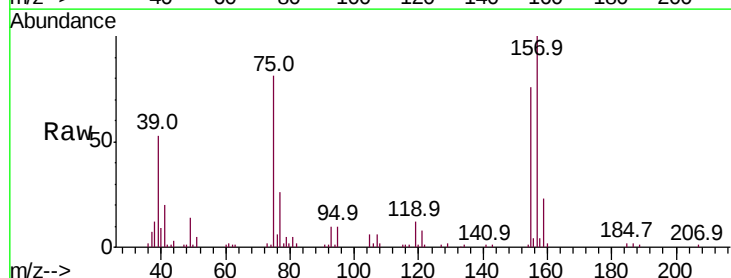
Manual Integrations
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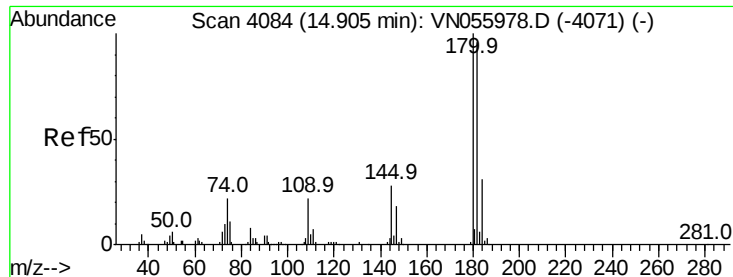
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.700 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056324.D
 Acq: 14 Jun 2019 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	50.0	150.1
157	125.6	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 41.599 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

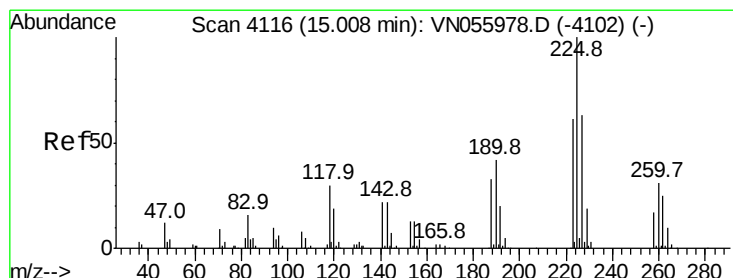
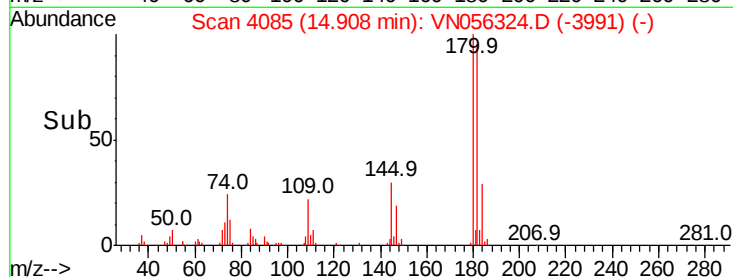
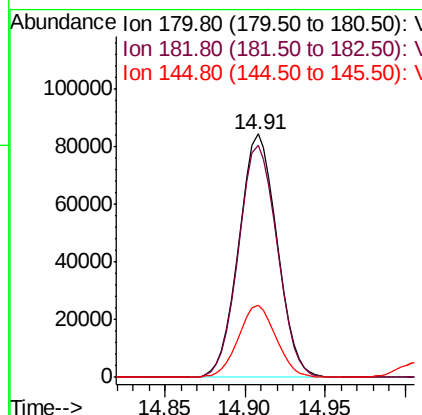
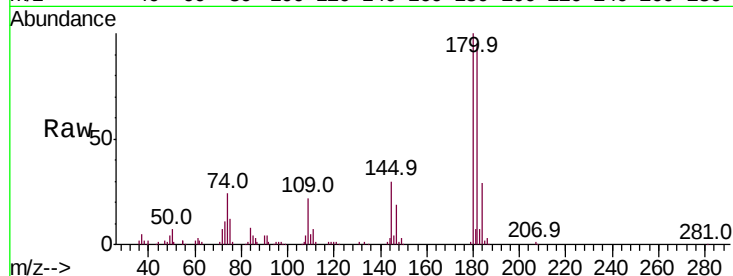
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	137350
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.3	144.9
145	29.2	14.0	41.9

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#94

Hexachlorobutadiene

Concen: 52.471 ug/l

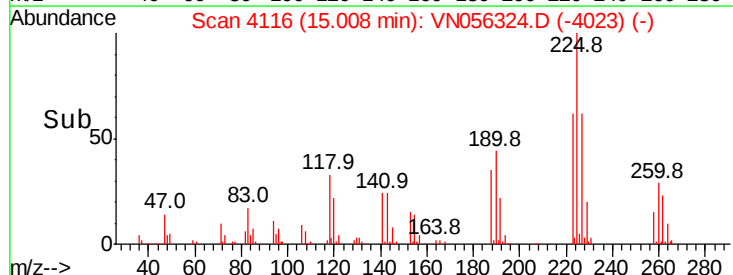
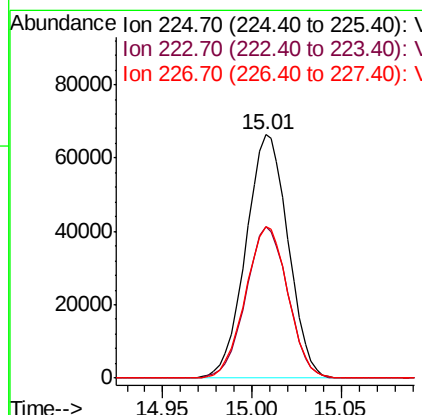
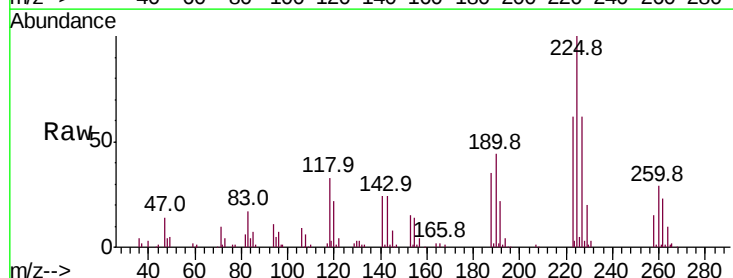
RT: 15.01 min Scan# 4116

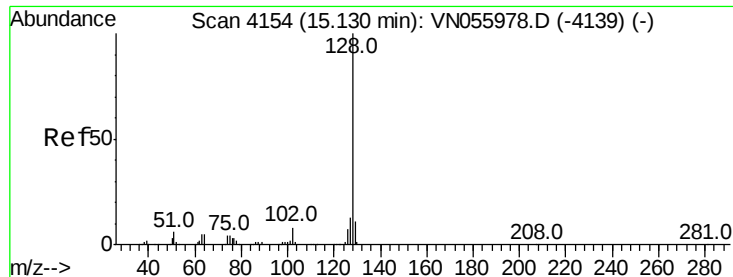
Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tgt Ion:	225	Resp:	109683
Ion Ratio	Lower	Upper	
225	100		
223	61.9	30.9	92.7
227	62.6	31.6	94.7





#95

Naphthalene

Concen: 45.358 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Instrument :

MSVOA_N

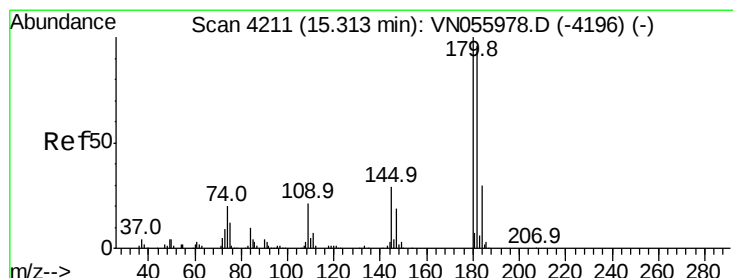
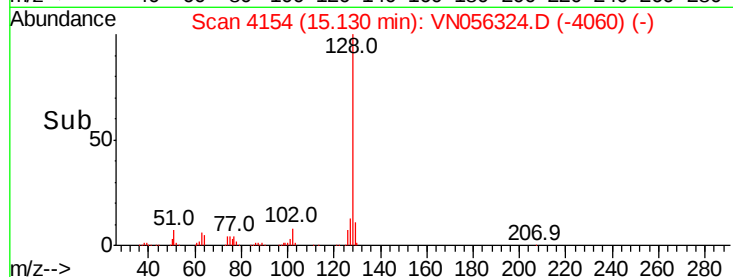
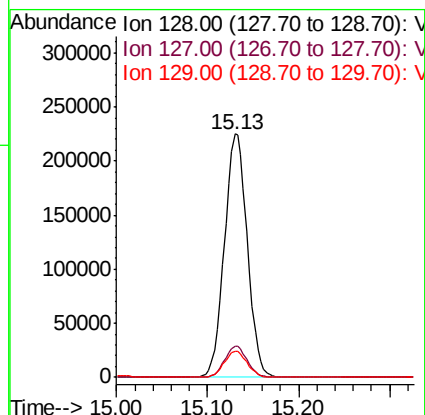
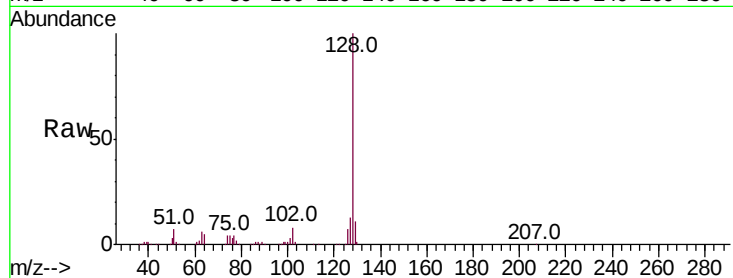
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	392631
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 46.332 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056324.D

Acq: 14 Jun 2019 20:01

Tgt Ion:	180	Resp:	158085
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	30.8	14.9	44.7

