

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
 Data File : VN056013.D
 Acq On : 5 Jun 2019 17:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 12:05:02 PM

Quant Time: Jun 06 02:10:40 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	351680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	173752	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	7.59	113	160698	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	611428	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	206610	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	185585	48.049	ug/l	100
3) Chloromethane	2.06	50	189289	49.653	ug/l	99
4) Vinyl Chloride	2.18	62	194948	50.980	ug/l	99
5) Bromomethane	2.53	94	121968	50.492	ug/l	100
6) Chloroethane	2.68	64	112828	50.889	ug/l	100
7) Trichlorofluoromethane	3.00	101	239806	49.123	ug/l	99
8) Diethyl Ether	3.40	74	99272	49.449	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	149281	50.340	ug/l	99
10) Methyl Iodide	3.94	142	234662	49.795	ug/l	98
11) Tert butyl alcohol	4.82	59	166195	273.498	ug/l	99
12) 1,1-Dichloroethene	3.72	96	150395	50.941	ug/l	94
13) Acrolein	3.60	56	38398	219.098	ug/l	100
14) Allyl chloride	4.31	41	236107	50.647	ug/l	99
15) Acrylonitrile	4.99	53	401618	271.506	ug/l	100
16) Acetone	3.82	43	403317	241.498	ug/l	99
17) Carbon Disulfide	4.04	76	345119	48.822	ug/l	100
18) Methyl Acetate	4.33	43	175228	53.455	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	481181	51.132	ug/l	98
20) Methylene Chloride	4.54	84	169754	49.337	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	159126	50.304	ug/l	96
22) Diisopropyl ether	5.95	45	483358	50.158	ug/l	98
23) Vinyl Acetate	5.89	43	2034054	268.029	ug/l	99
24) 1,1-Dichloroethane	5.84	63	277374	49.898	ug/l	99
25) 2-Butanone	6.84	43	561783	266.239	ug/l	98
26) 2,2-Dichloropropane	6.82	77	217323	50.102	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	186807	50.239	ug/l	97
28) Bromochloromethane	7.19	49	132573	50.432	ug/l	96
29) Tetrahydrofuran	7.22	42	349459	267.925	ug/l	99
30) Chloroform	7.37	83	280445	50.151	ug/l	99
31) Cyclohexane	7.65	56	261879	47.263	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	235001	50.325	ug/l	99
36) 1,1-Dichloropropene	7.79	75	213108	48.079	ug/l	99
37) Ethyl Acetate	6.93	43	211501	53.629	ug/l	100
38) Carbon Tetrachloride	7.77	117	200818	49.142	ug/l	97

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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	267924	48.523	ug/l	98
40) Benzene	8.04	78	668651	49.668	ug/l	99
41) Methacrylonitrile	7.17	41	94006	51.808	ug/l	89
42) 1,2-Dichloroethane	8.12	62	205340	47.419	ug/l	99
43) Isopropyl Acetate	8.17	43	334201	52.294	ug/l	92
44) Trichloroethene	8.83	130	188203	48.652	ug/l	100
45) 1,2-Dichloropropane	9.12	63	172066	49.899	ug/l	99
46) Dibromomethane	9.21	93	112481	49.883	ug/l	98
47) Bromodichloromethane	9.40	83	208776	51.085	ug/l	98
48) Methyl methacrylate	9.20	41	160597	51.366	ug/l	96
49) 1,4-Dioxane	9.20	88	73433	1087.918	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1044435	261.338	ug/l	99
52) Toluene	10.15	92	423717	50.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227009	47.503	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	262954	53.528	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	168499	50.779	ug/l	98
56) Ethyl methacrylate	10.43	69	256631	53.012	ug/l	98
57) 1,3-Dichloropropane	10.71	76	276182	51.199	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	455519	238.079	ug/l	98
59) 2-Hexanone	10.75	43	743602	256.719	ug/l	98
60) Dibromochloromethane	10.90	129	173012	47.408	ug/l	100
61) 1,2-Dibromoethane	11.00	107	177123	52.213	ug/l	99
64) Tetrachloroethene	10.63	164	186425	46.894	ug/l	98
65) Chlorobenzene	11.43	112	451465	49.393	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	165980	52.592	ug/l	98
67) Ethyl Benzene	11.51	91	787719	49.563	ug/l	99
68) m/p-Xylenes	11.62	106	607188	100.007	ug/l	98
69) o-Xylene	11.95	106	298174	49.927	ug/l	98
70) Styrene	11.96	104	493052	51.960	ug/l	99
71) Bromoform	12.13	173	124429	47.127	ug/l #	100
73) Isopropylbenzene	12.25	105	775586	53.420	ug/l	100
74) N-amyl acetate	12.07	43	272632	50.058	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	231307	48.767	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	199504m	53.067	ug/l	
77) Bromobenzene	12.53	156	208147	47.583	ug/l	97
78) n-propylbenzene	12.59	91	830213	48.031	ug/l	100
79) 2-Chlorotoluene	12.67	91	499462	52.197	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	637308	46.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62560	55.416	ug/l	95
82) 4-Chlorotoluene	12.77	91	483016	47.764	ug/l	99
83) tert-Butylbenzene	12.99	119	559078	52.594	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	625075	47.982	ug/l	99
85) sec-Butylbenzene	13.17	105	721833	47.156	ug/l	100
86) p-Isopropyltoluene	13.29	119	659355	48.129	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	332934	49.176	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	316248	48.559	ug/l	100
89) n-Butylbenzene	13.61	91	502179	49.483	ug/l	99
90) Hexachloroethane	13.87	117	102163	49.449	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	325386	47.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36110	53.228	ug/l	95

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162620	43.756	ug/l	99
94) Hexachlorobutadiene	15.01	225	116560	49.707	ug/l	98
95) Naphthalene	15.13	128	440986	45.501	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	173810	45.564	ug/l	99

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

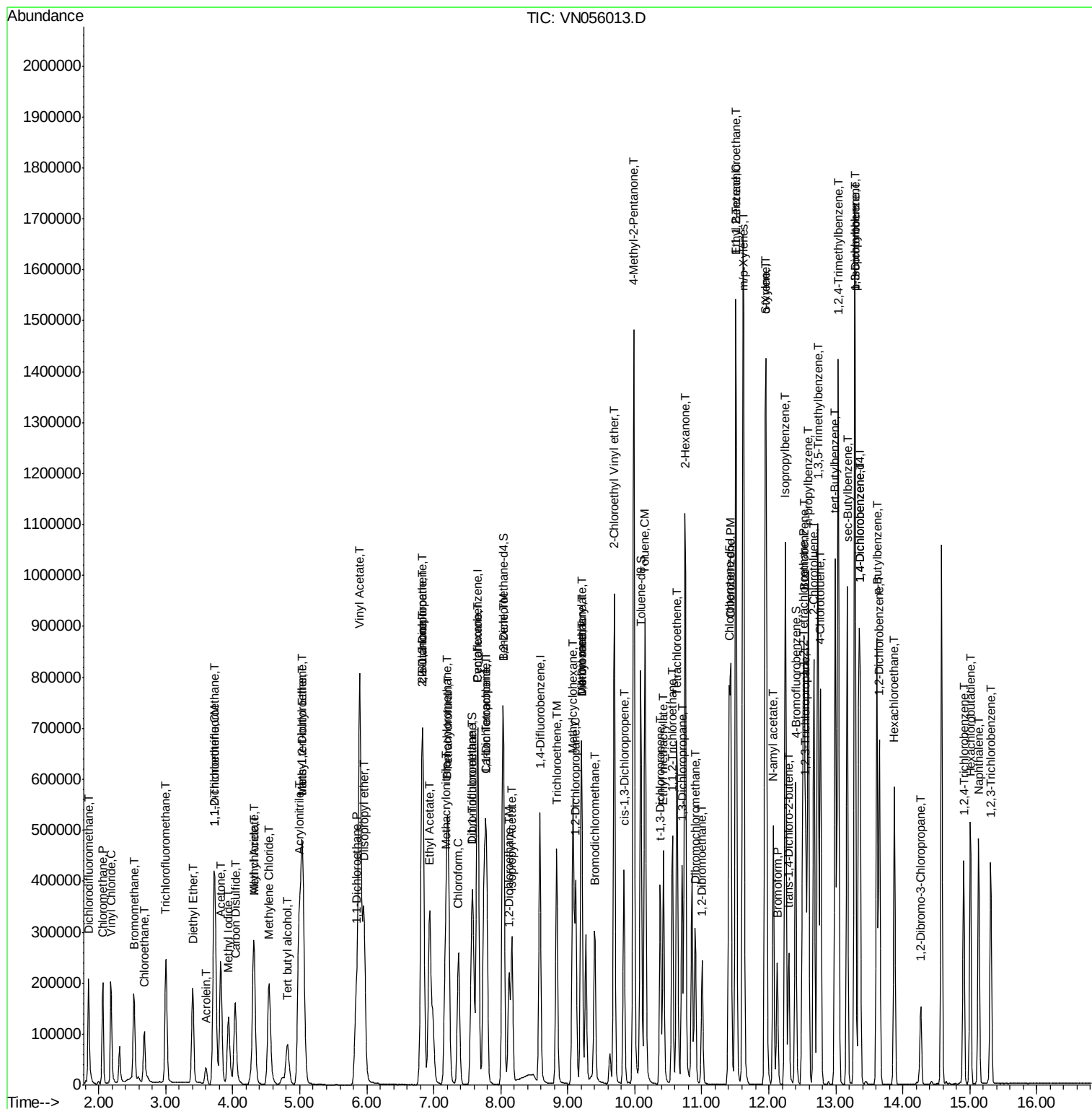
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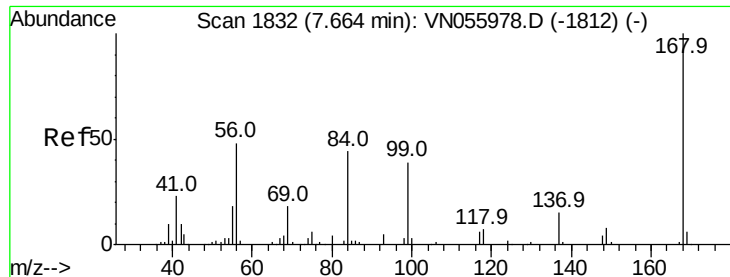
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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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: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 351680

Ion Ratio Lower Upper

168 100

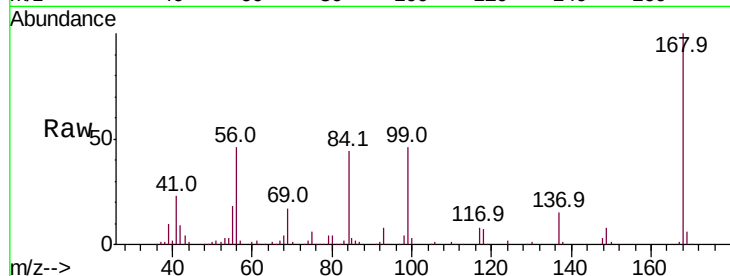
99 45.3 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

50000

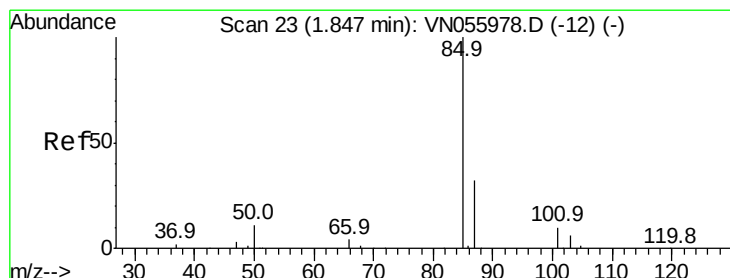
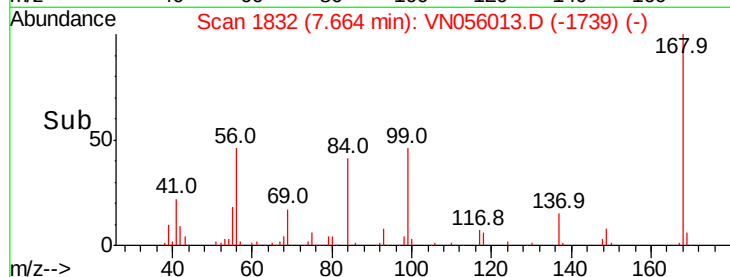
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.049 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056013.D

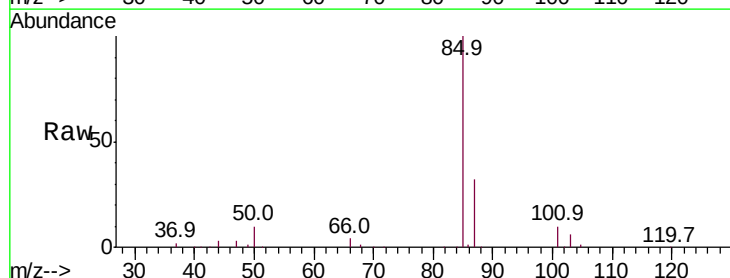
Acq: 5 Jun 2019 17:13

Tgt Ion: 85 Resp: 185585

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

50000

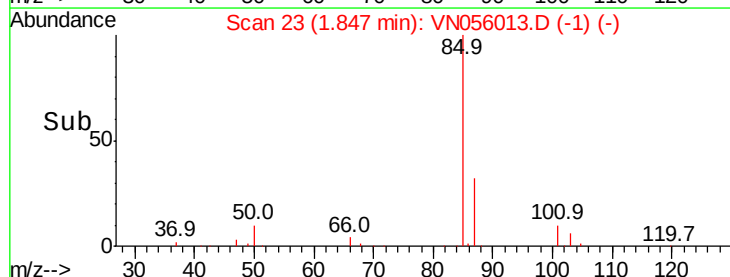
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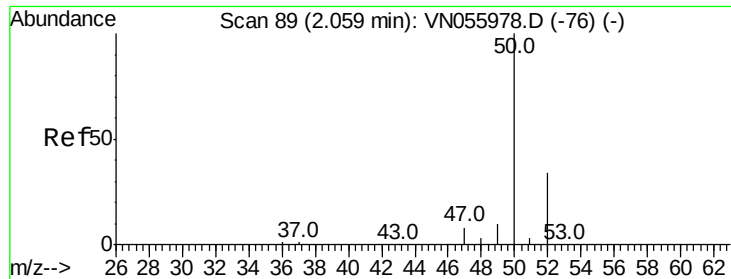
1.85

1.90

2.00

Time-->





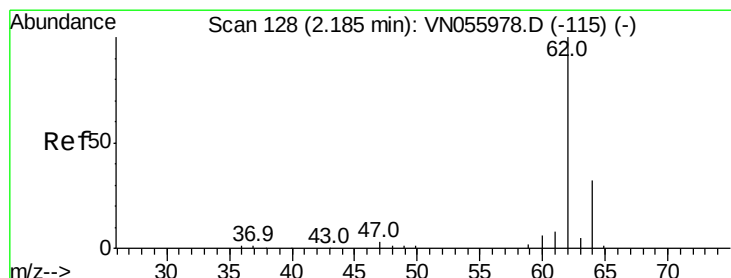
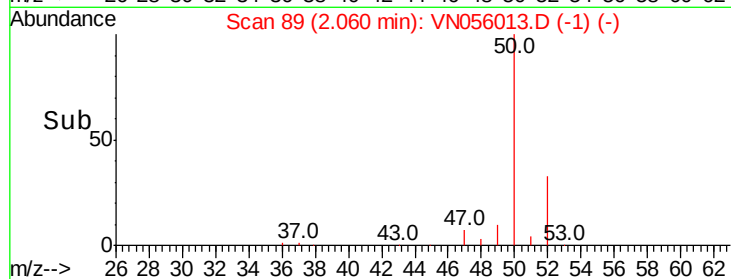
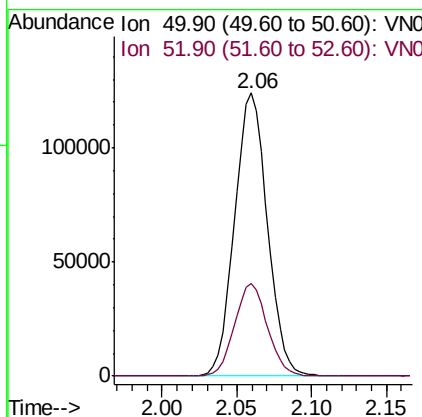
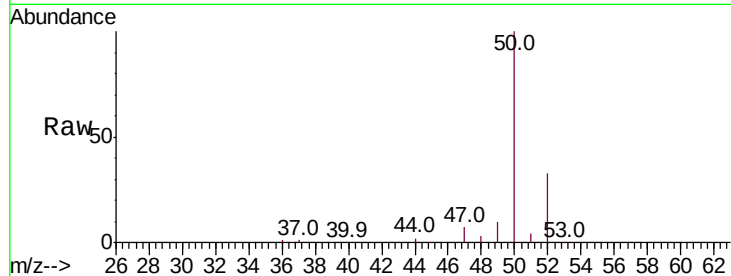
#3
Chloromethane
Concen: 49.653 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 50 Resp: 189289
Ion Ratio Lower Upper
50 100
52 32.8 26.6 40.0

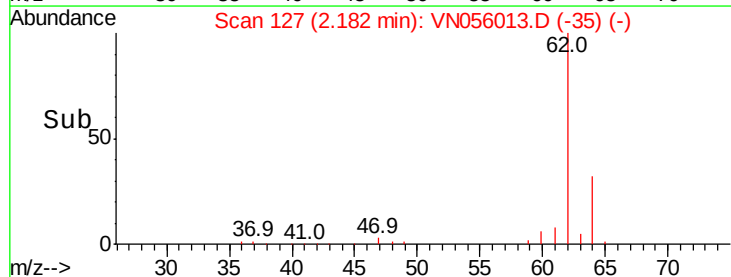
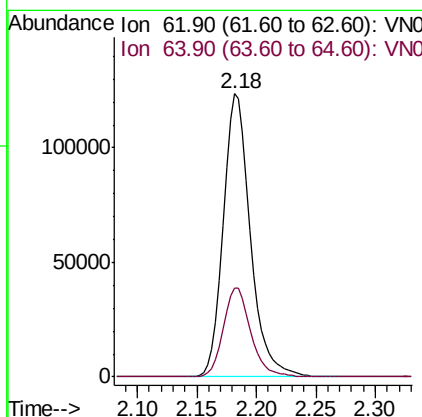
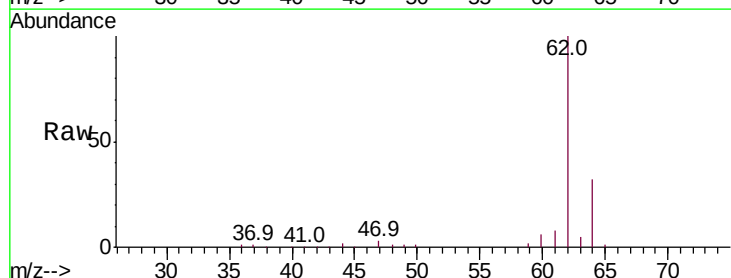
Manual Integrations
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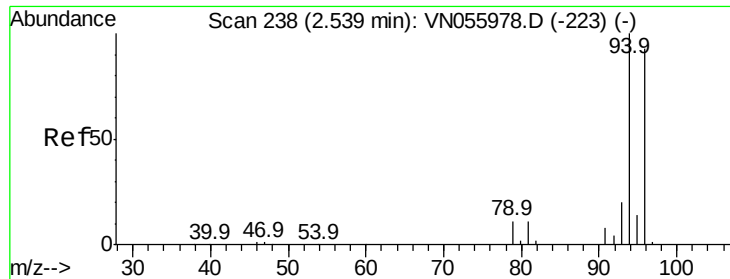
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#4
Vinyl Chloride
Concen: 50.980 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion: 62 Resp: 194948
Ion Ratio Lower Upper
62 100
64 31.6 25.6 38.4





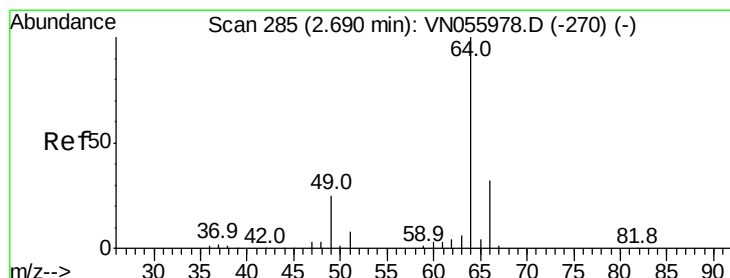
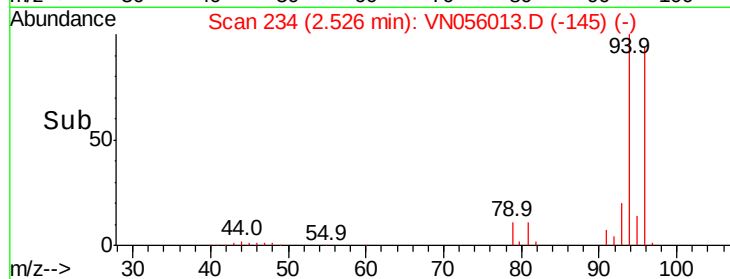
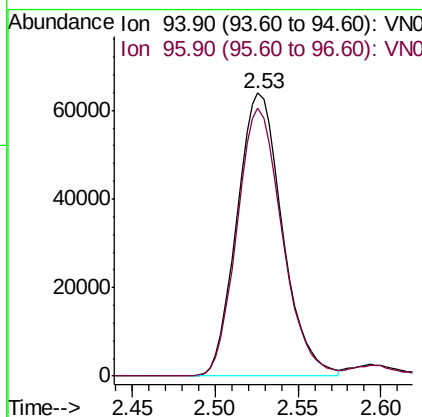
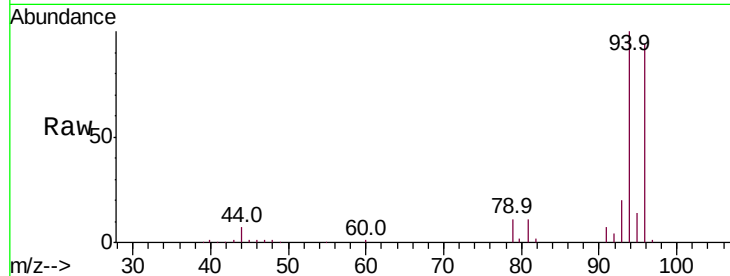
#5
Bromomethane
Concen: 50.492 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 121968
Ion Ratio Lower Upper
94 100
96 94.5 75.5 113.3

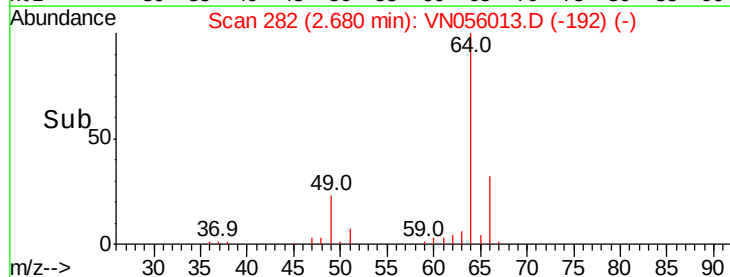
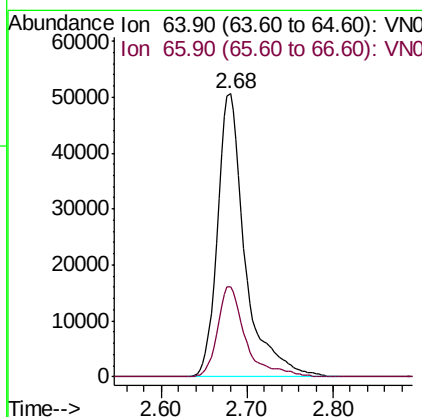
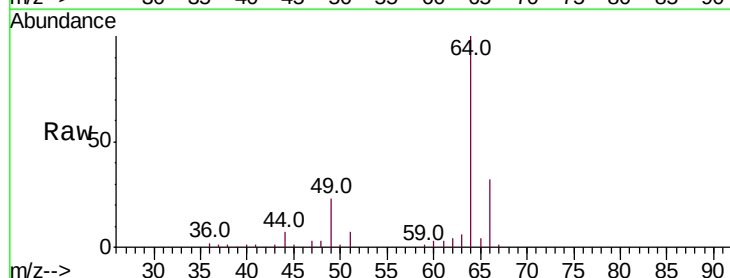
Manual Integrations
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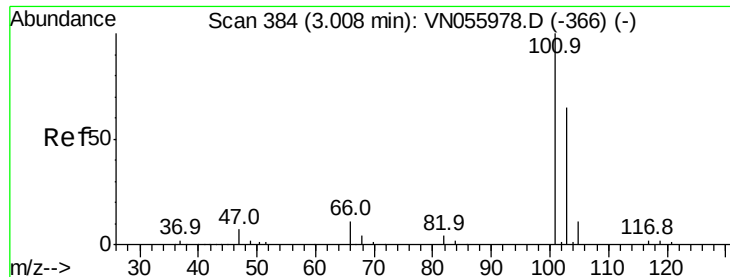
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6/6/2019 12:05:02 PM



#6
Chloroethane
Concen: 50.889 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.01 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion: 64 Resp: 112828
Ion Ratio Lower Upper
64 100
66 31.8 25.4 38.0





#7

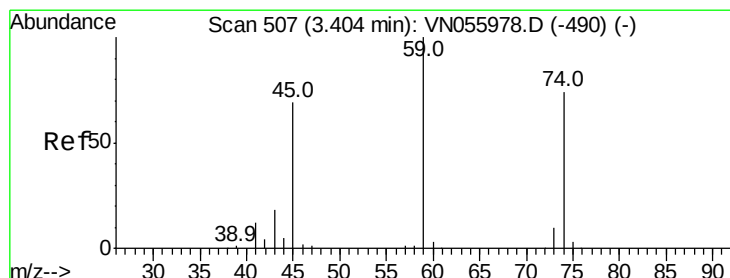
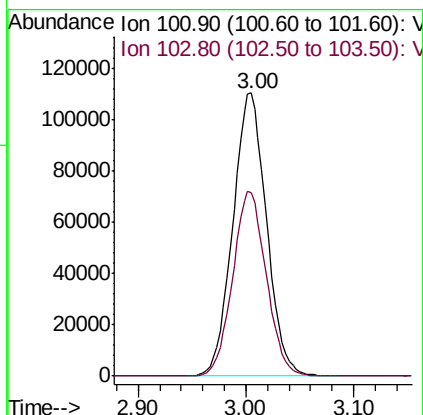
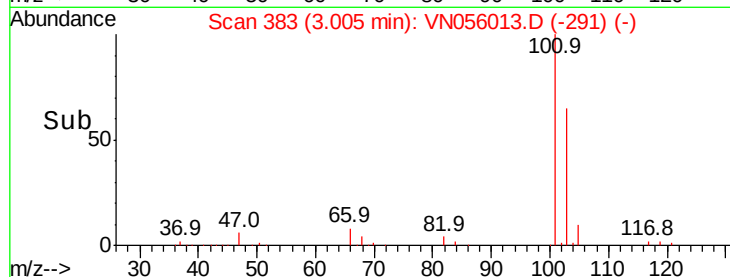
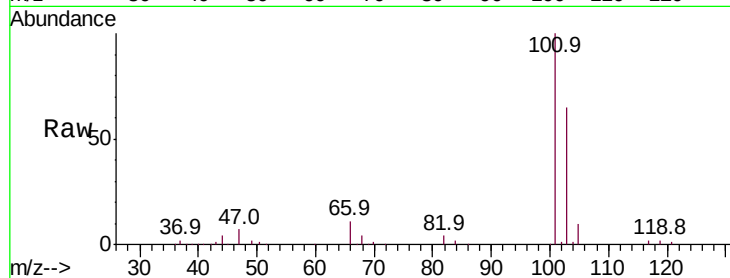
Trichlorofluoromethane
Concen: 49.123 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 239806
Ion Ratio Lower Upper
101 100
103 64.9 51.2 76.8

Manual Integrations
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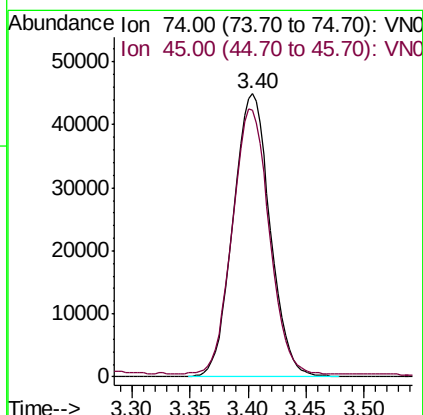
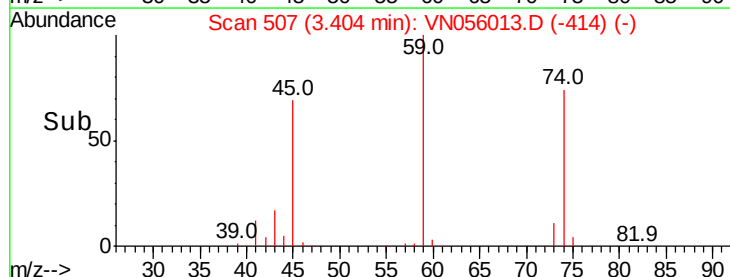
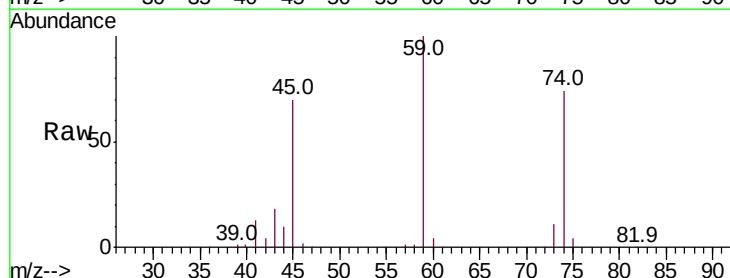
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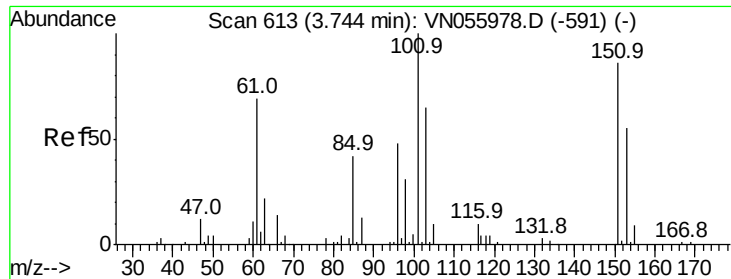


#8

Diethyl Ether
Concen: 49.449 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion: 74 Resp: 99272
Ion Ratio Lower Upper
74 100
45 92.9 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.340 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

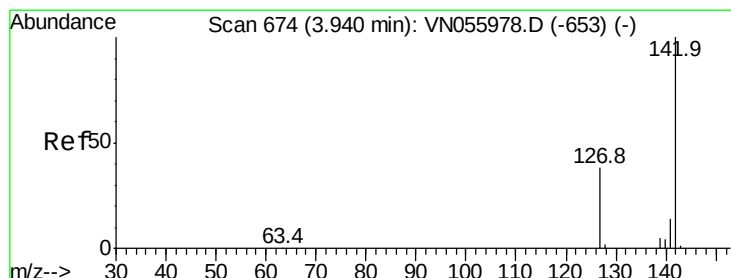
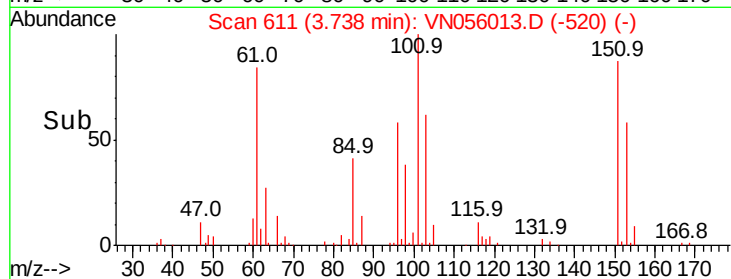
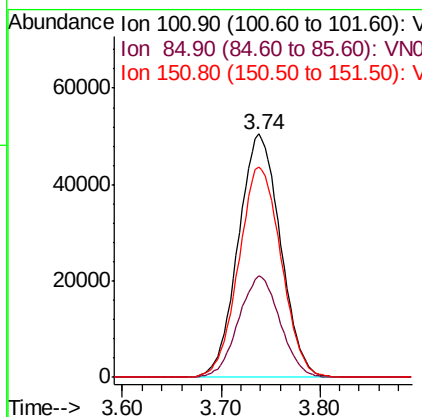
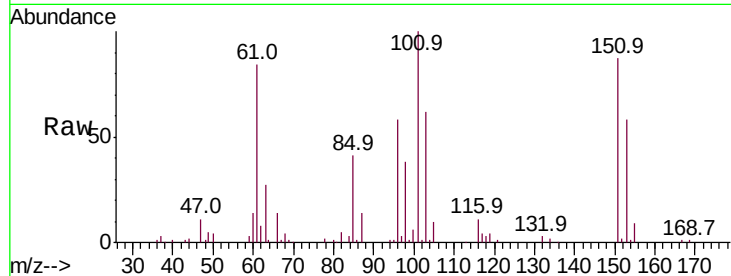
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	149281
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.4	50.2
151	87.4	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.795 ug/l

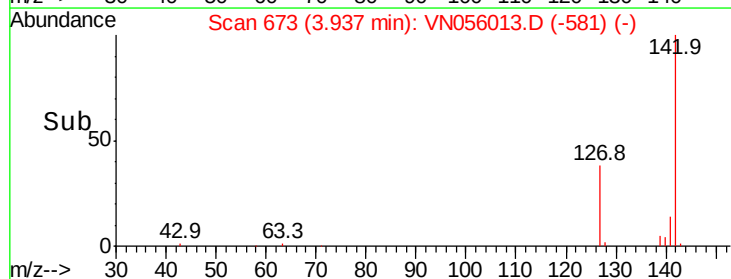
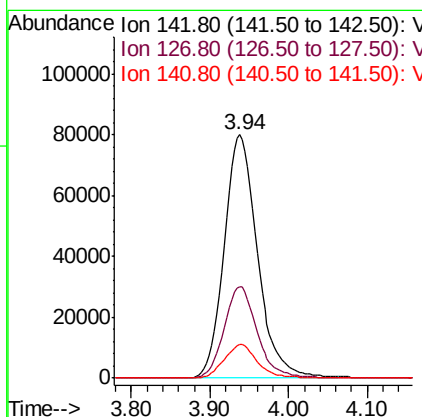
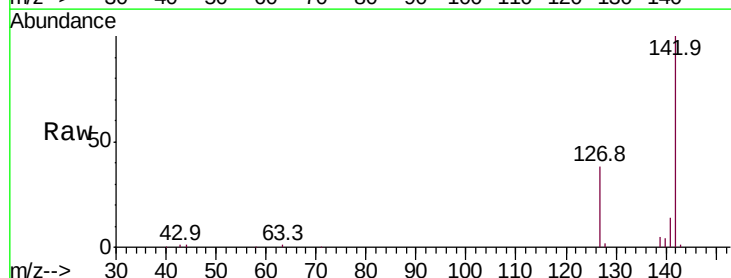
RT: 3.94 min Scan# 673

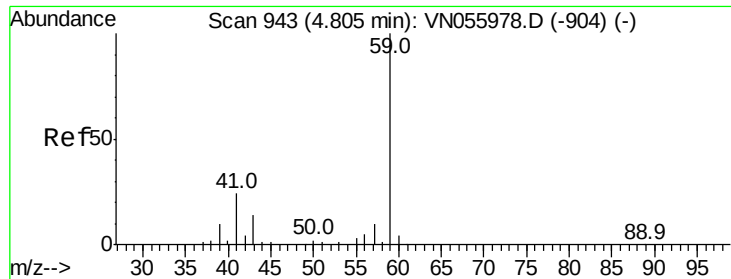
Delta R.T. -0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tgt Ion:	142	Resp:	234662
Ion Ratio	Lower	Upper	
142	100		
127	37.6	31.0	46.4
141	13.7	11.4	17.0





#11

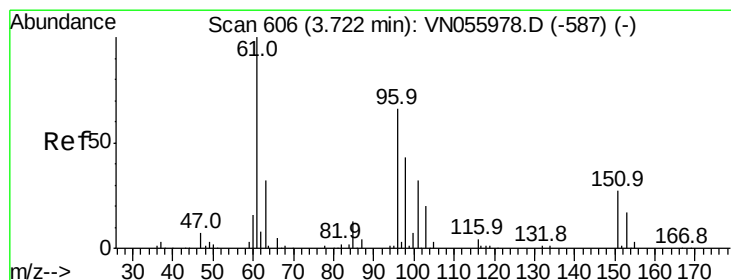
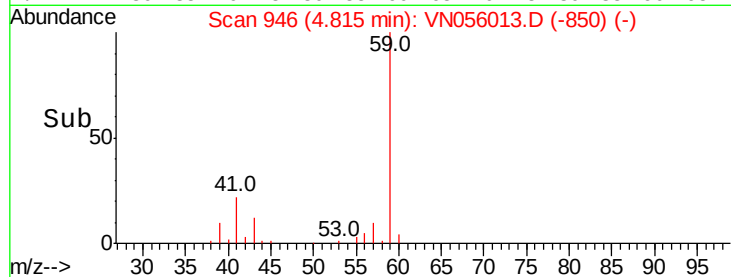
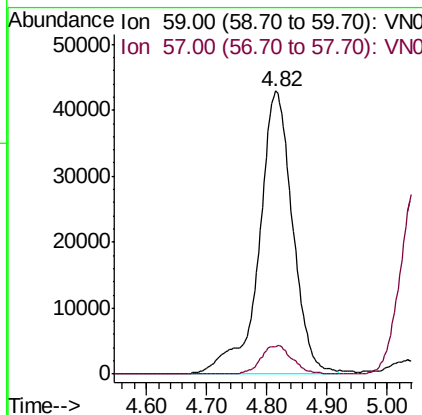
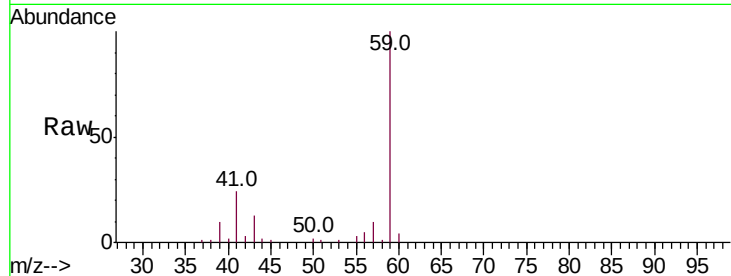
Tert butyl alcohol
 Concen: 273.498 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	166195		
57	9.4		7.8	11.6

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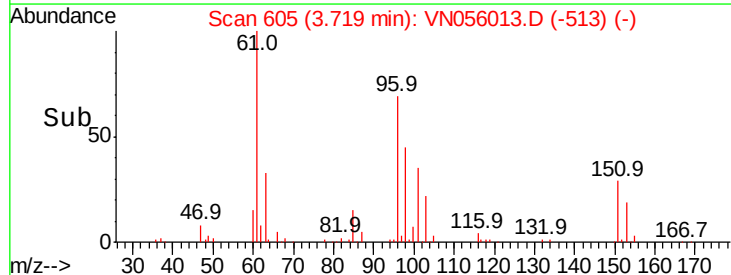
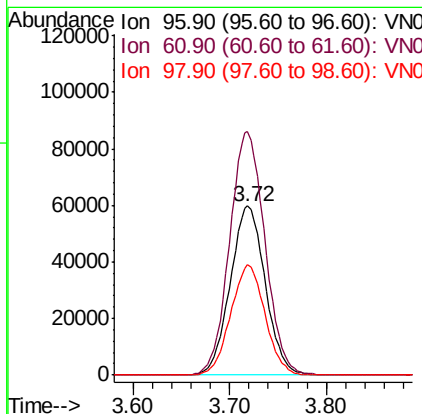
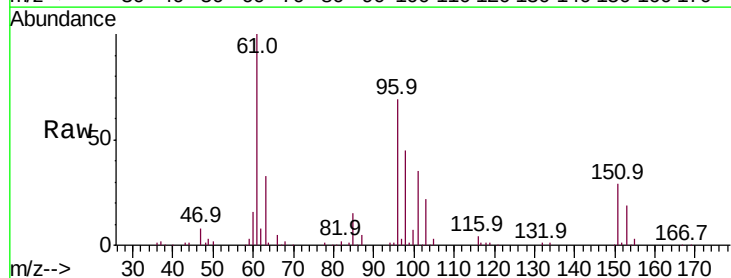
MMDadoda
 6/6/2019 12:05:02 PM

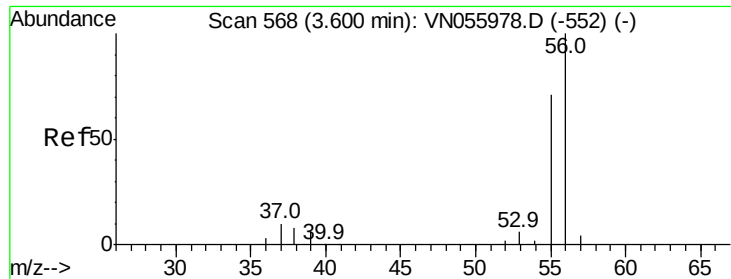


#12

1,1-Dichloroethene
 Concen: 50.941 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	150395		
61	144.2		123.2	184.8
98	65.2		50.4	75.6





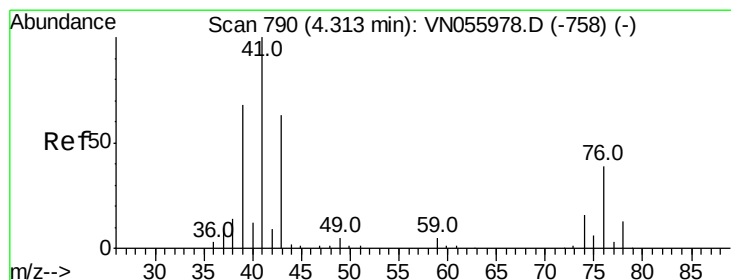
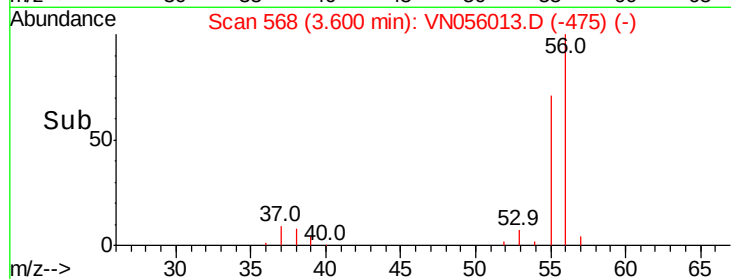
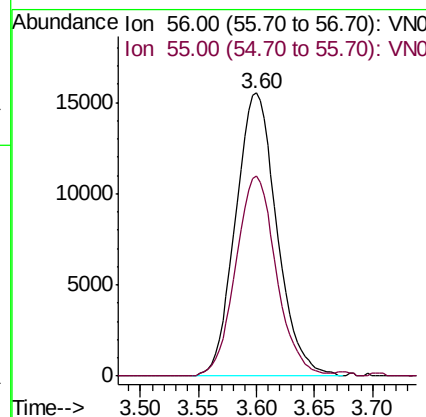
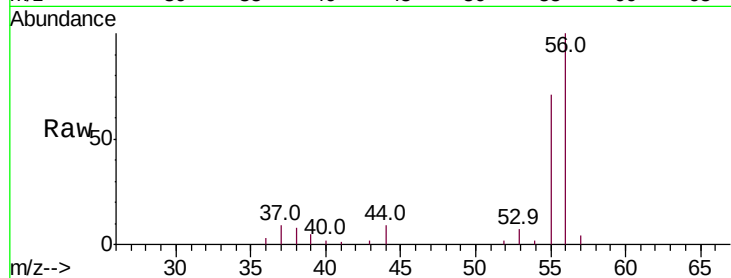
#13
Acrolein
Concen: 219.098 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	56	Resp	38398
Ion Ratio	Lower	Upper	
56	100		
55	69.5	55.4	83.2

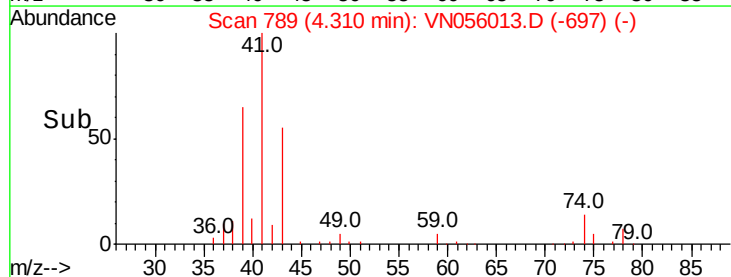
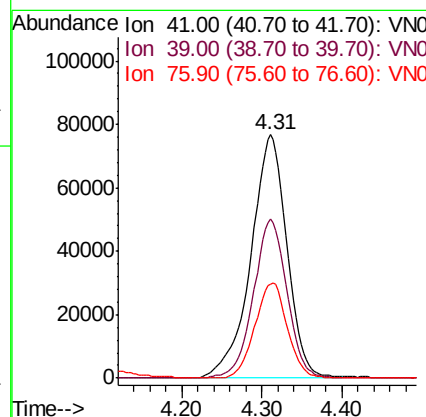
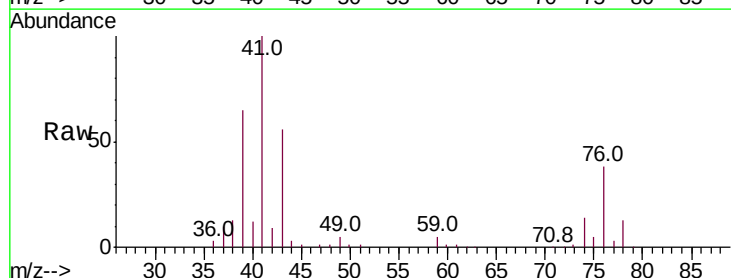
Manual Integrations
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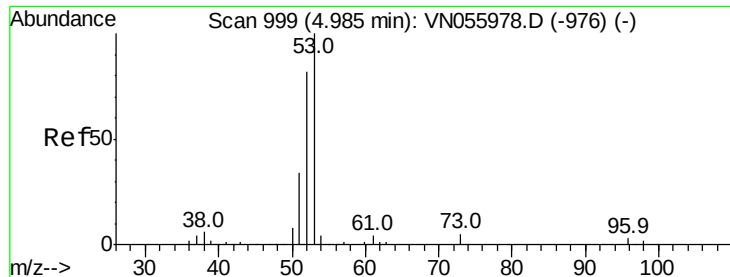
MMDadoda
6/6/2019 12:05:02 PM



#14
Allyl chloride
Concen: 50.647 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	41	Resp	236107
Ion Ratio	Lower	Upper	
41	100		
39	60.9	50.0	75.0
76	35.1	28.2	42.2





#15

Acrylonitrile

Concen: 271.506 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

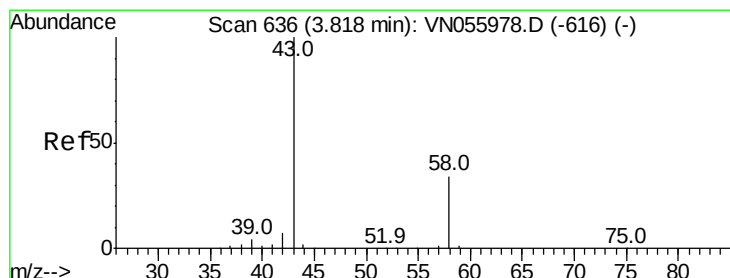
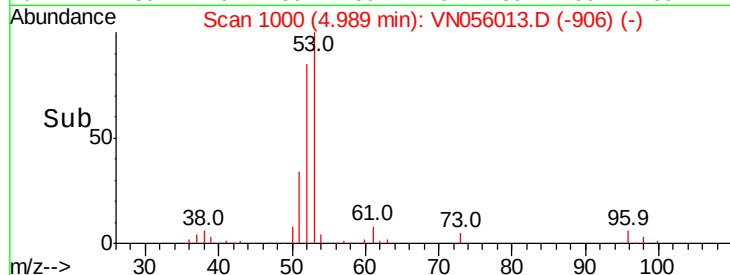
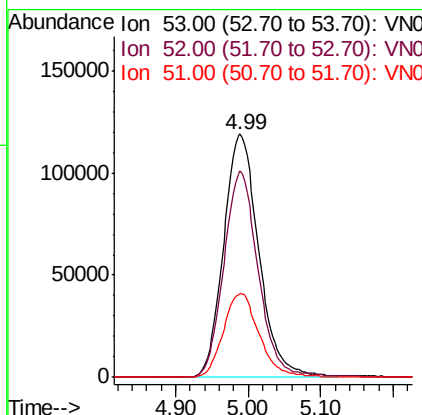
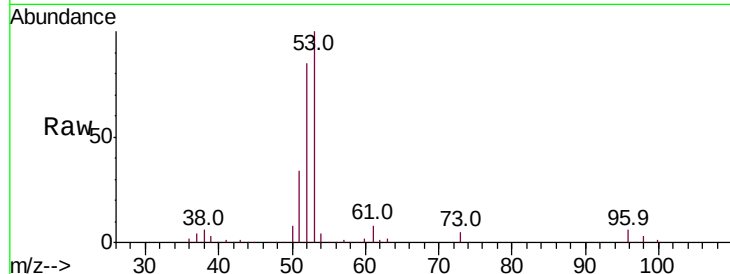
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	401618
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.8	98.8
51	35.3	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 241.498 ug/l

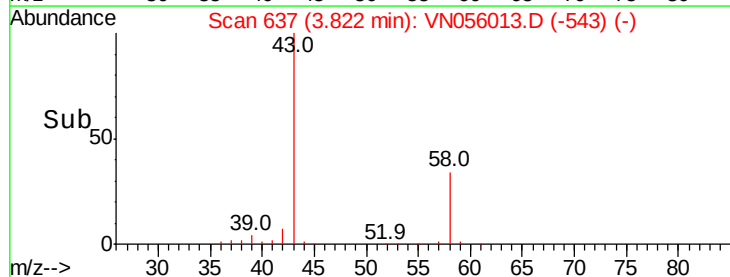
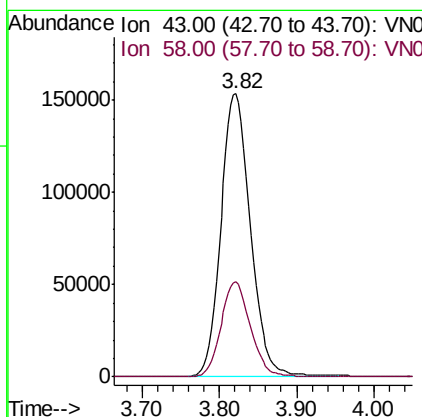
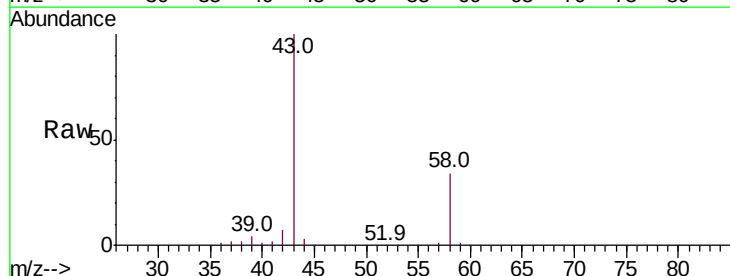
RT: 3.82 min Scan# 637

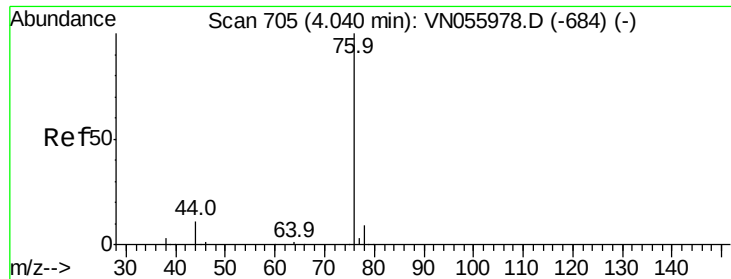
Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tgt Ion:	43	Resp:	403317
Ion	Ratio	Lower	Upper
43	100		
58	33.8	26.6	39.8





#17

Carbon Disulfide

Concen: 48.822 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 345119

Ion Ratio Lower Upper

76 100

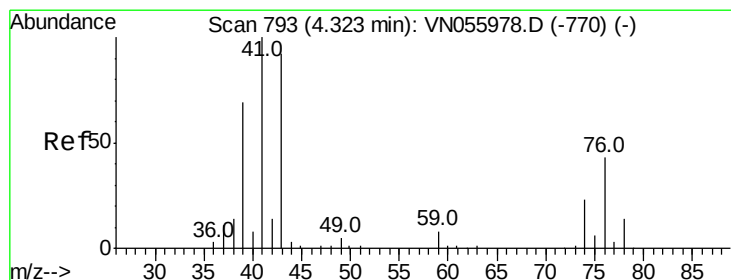
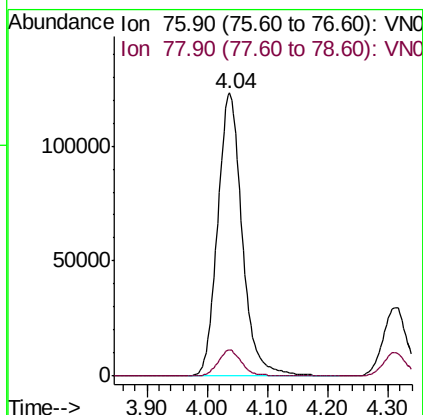
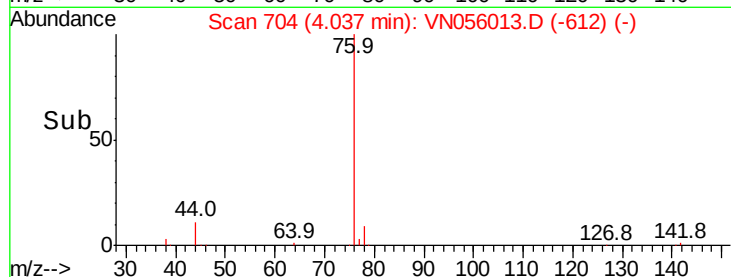
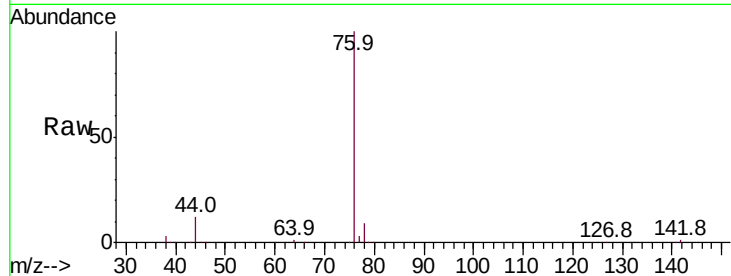
78 9.4 7.4 11.2

Manual Integrations

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6/6/2019 12:05:02 PM



#18

Methyl Acetate

Concen: 53.455 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056013.D

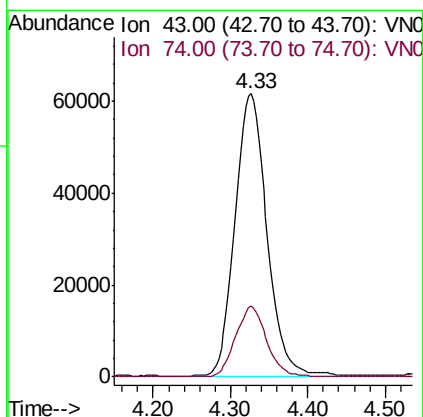
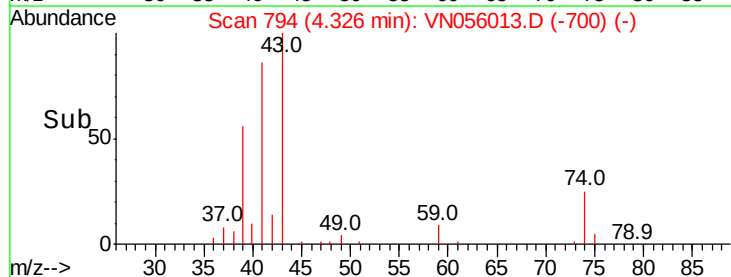
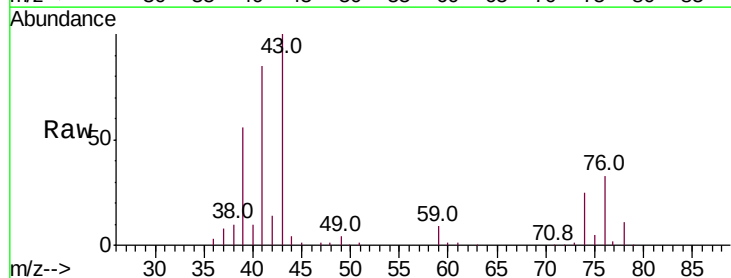
Acq: 5 Jun 2019 17:13

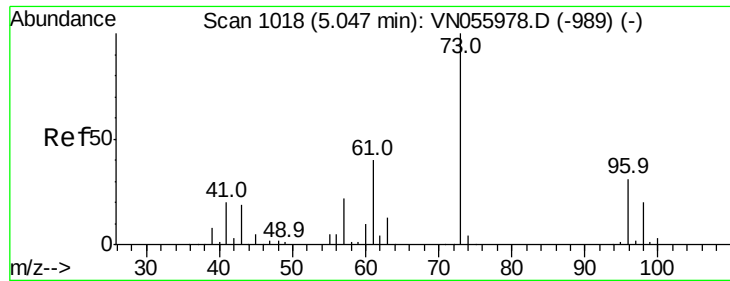
Tgt Ion: 43 Resp: 175228

Ion Ratio Lower Upper

43 100

74 24.6 19.3 28.9





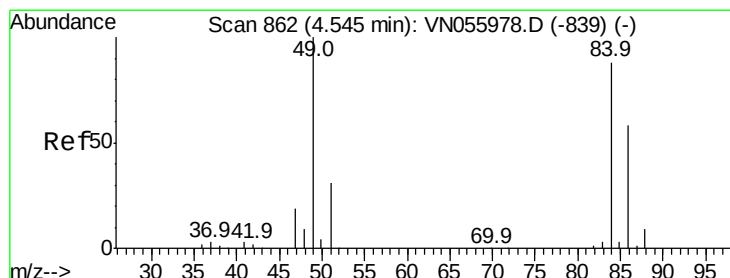
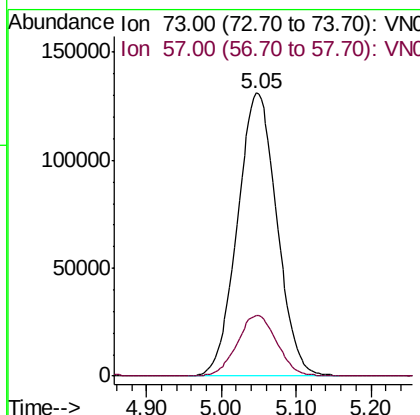
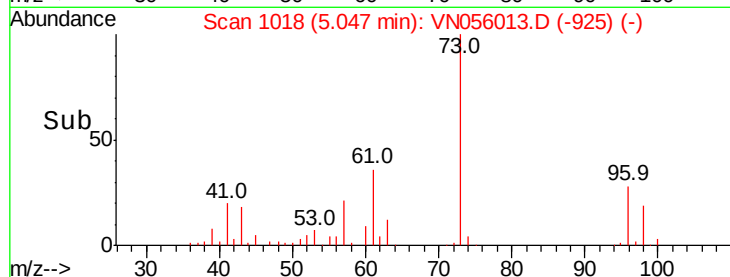
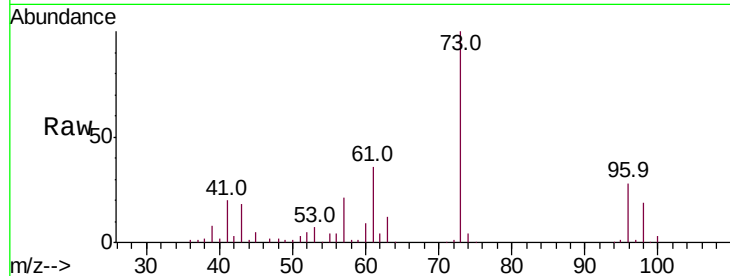
#19
Methyl tert-butyl Ether
Concen: 51.132 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 481181
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8

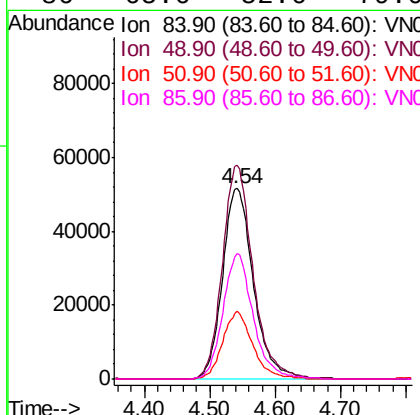
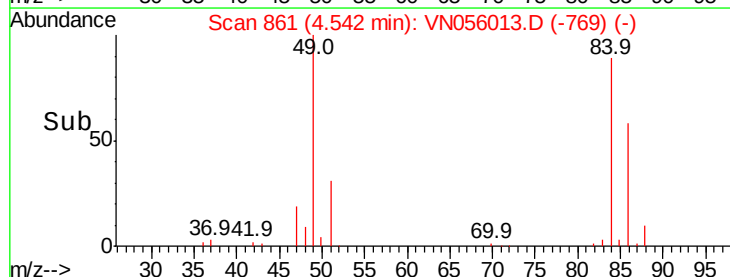
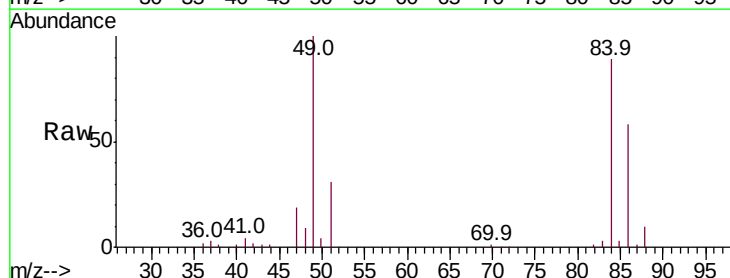
Manual Integrations
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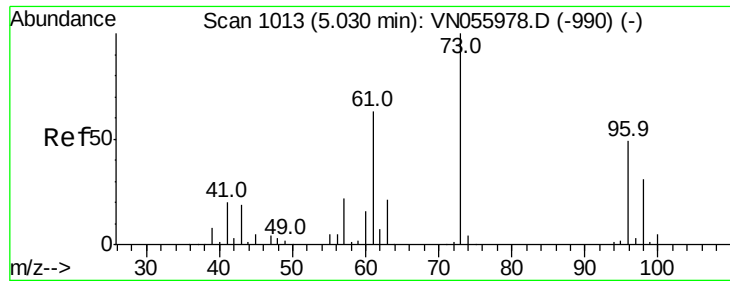
MMDadoda
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#20
Methylene Chloride
Concen: 49.337 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion: 84 Resp: 169754
Ion Ratio Lower Upper
84 100
49 112.1 93.5 140.3
51 35.3 28.6 43.0
86 65.6 52.6 79.0





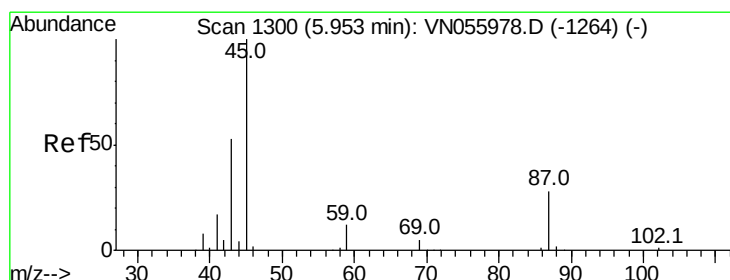
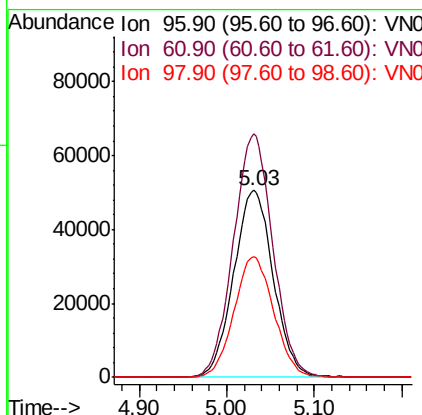
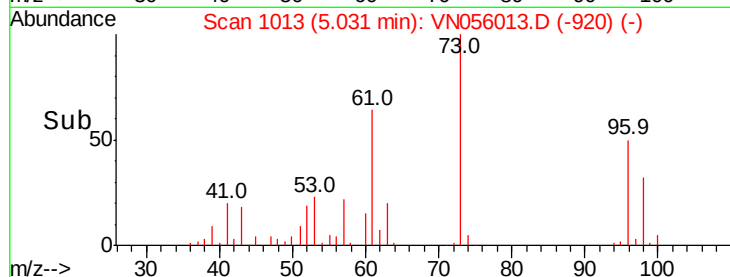
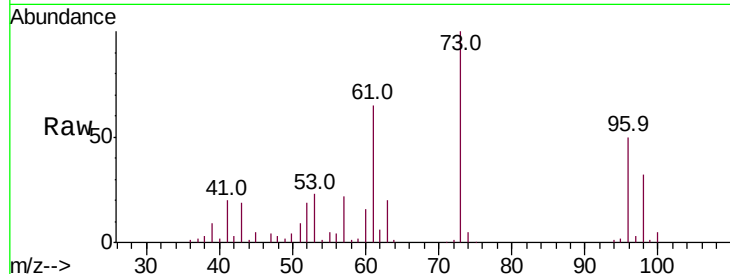
#21
trans-1,2-Dichloroethene
Concen: 50.304 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	107.8	161.8
98	64.9	49.8	74.8

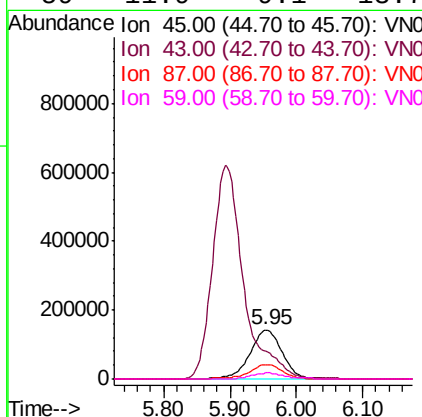
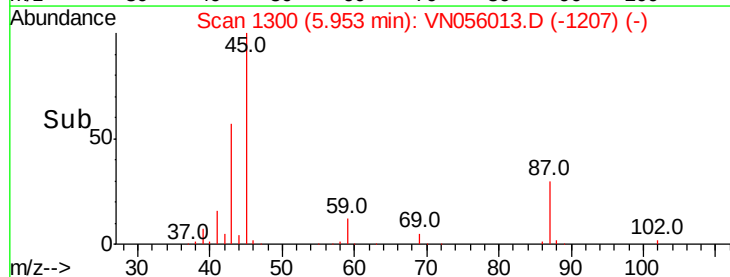
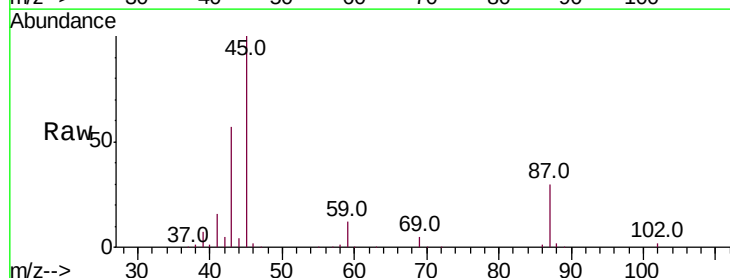
Manual Integrations
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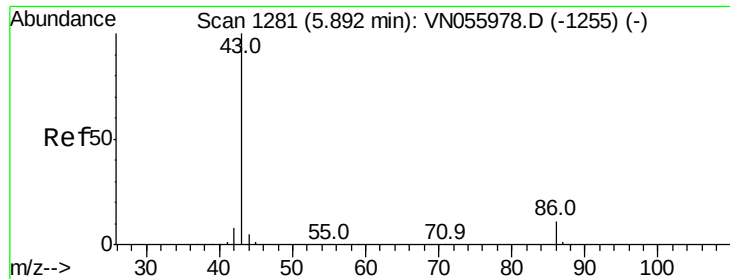
MMDadoda
6/6/2019 12:05:02 PM



#22
Diisopropyl ether
Concen: 50.158 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.1	45.0	67.6
87	29.7	22.2	33.4
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 268.029 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tot Ion: 43 Resp: 2034054

Ion Ratio Lower Upper

43 100

86 11.3 8.6 13.0

Instrument :

MSVOA_N

ClientSampleId :

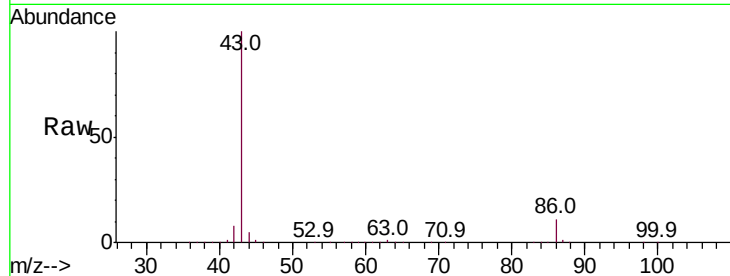
VSTDCCC050EC

Manual Integrations

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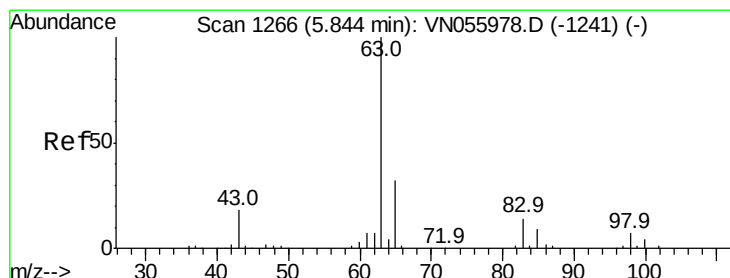
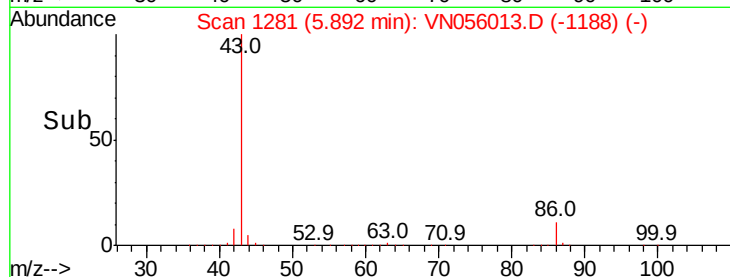
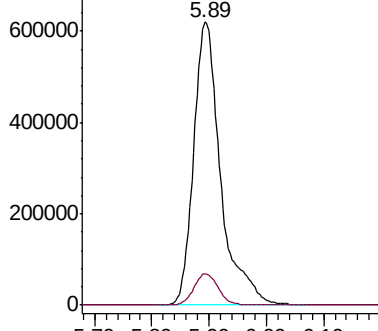
MMDadoda

6/6/2019 12:05:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 49.898 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

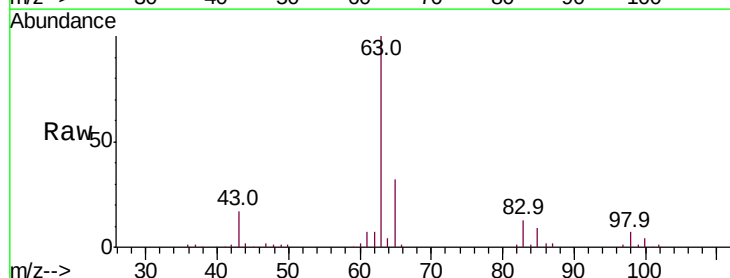
Tgt Ion: 63 Resp: 277374

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

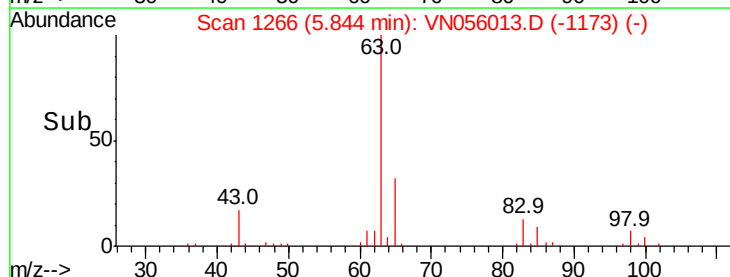
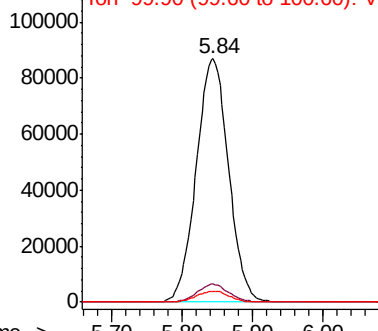
100 4.5 2.2 6.6

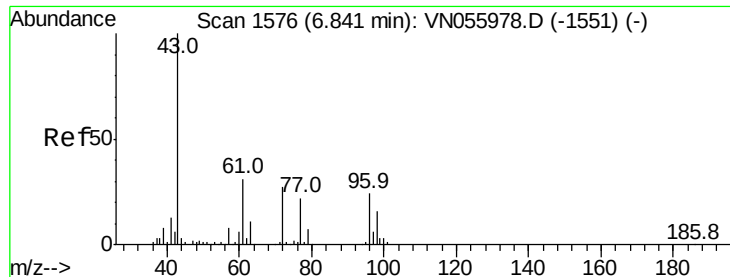


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 266.239 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 561783

Ion Ratio Lower Upper

43 100

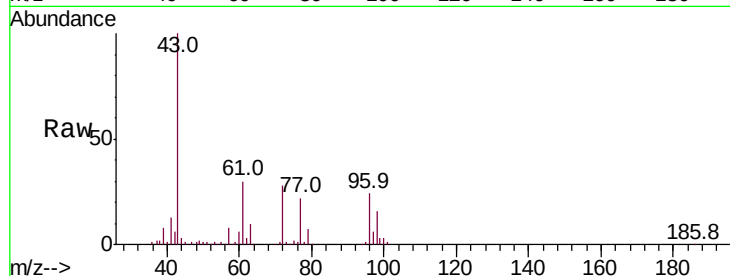
72 28.4 21.9 32.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

200000

150000

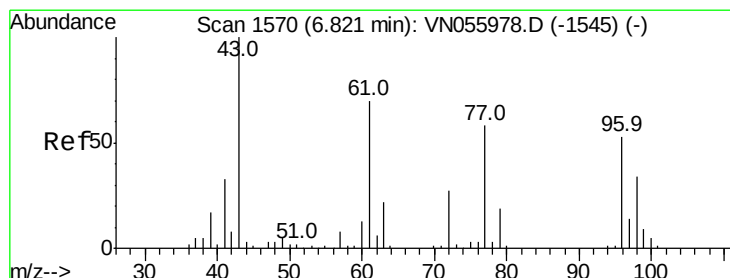
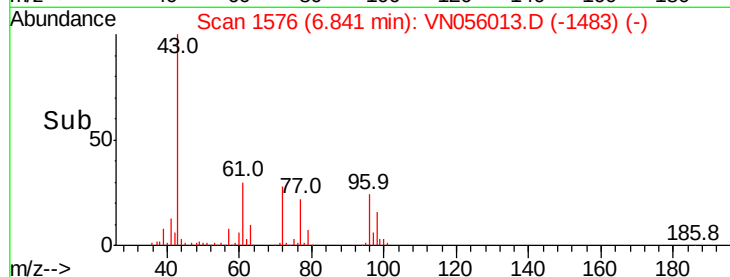
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 50.102 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056013.D

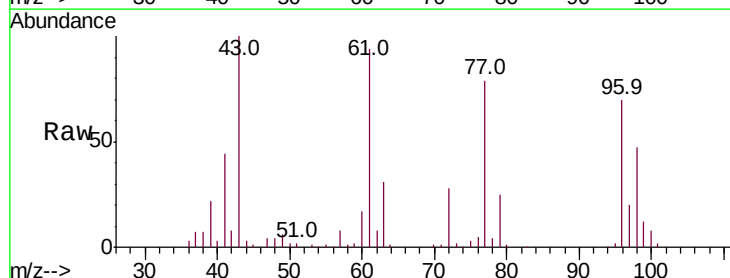
Acq: 5 Jun 2019 17:13

Tgt Ion: 77 Resp: 217323

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

80000

60000

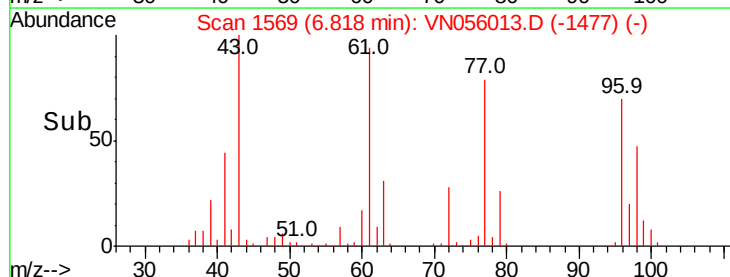
40000

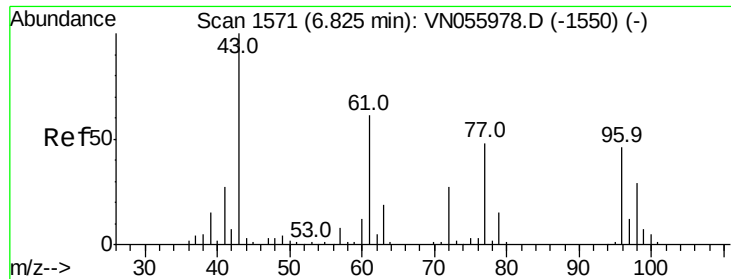
20000

0

6.70 6.80 6.90

Time-->





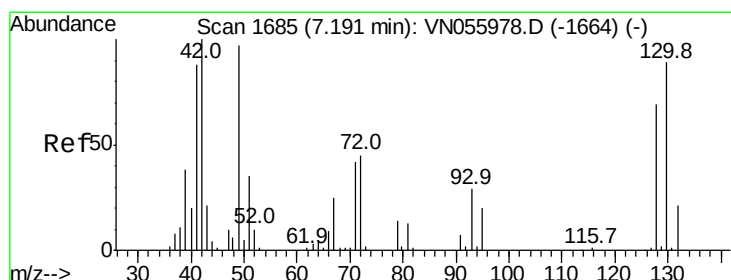
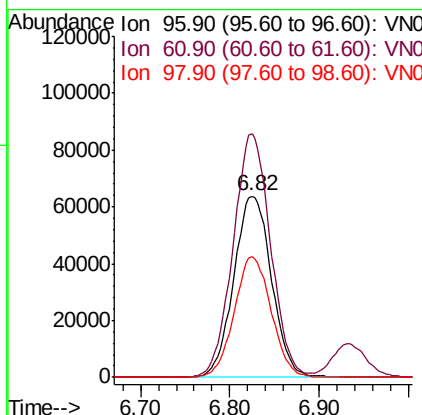
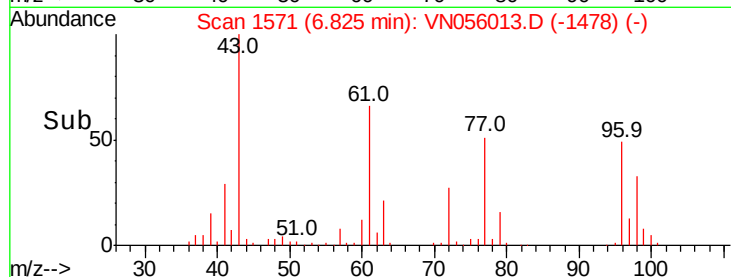
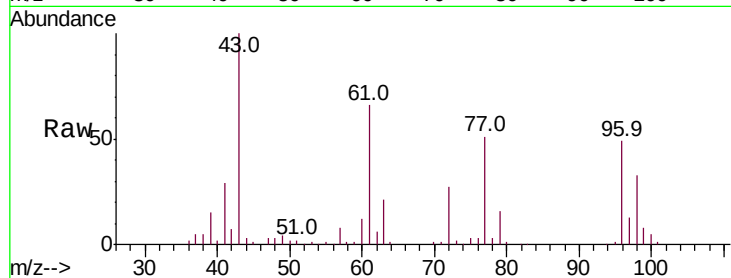
#27
 cis-1,2-Dichloroethene
 Concen: 50.239 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	186807		
61	133.2	0.0	275.8	
98	65.3	0.0	128.4	

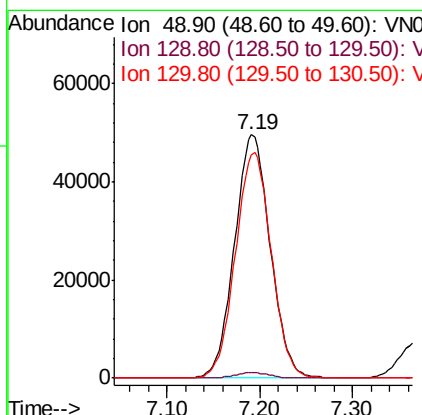
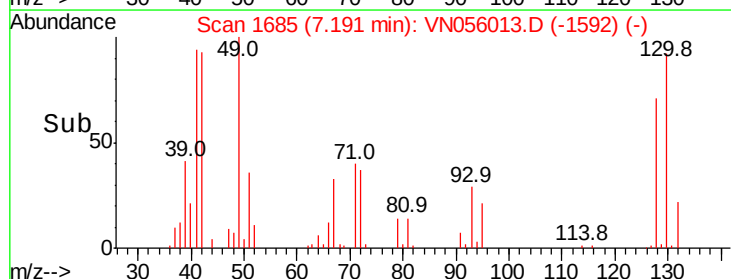
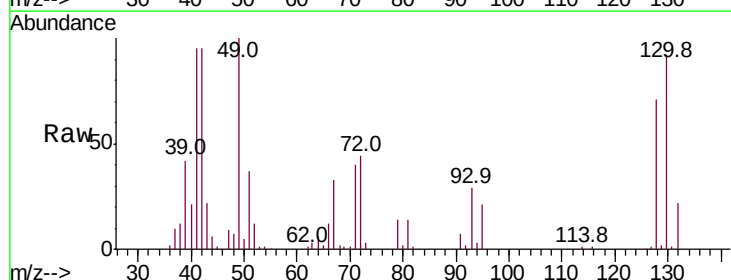
Manual Integrations
 APPROVED

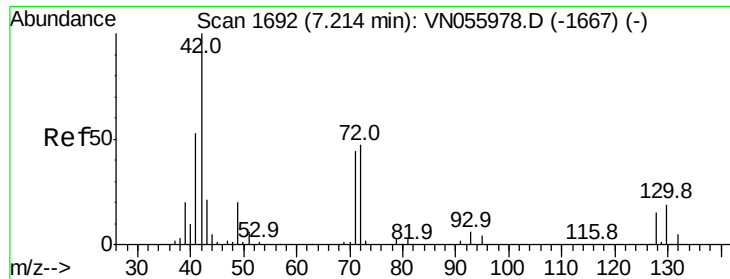
MMDadoda
 6/6/2019 12:05:02 PM



#28
 Bromochloromethane
 Concen: 50.432 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	132573		
129	2.2	0.0	4.4	
130	93.1	71.2	106.8	





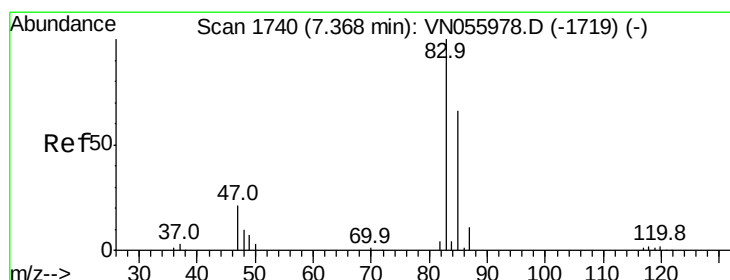
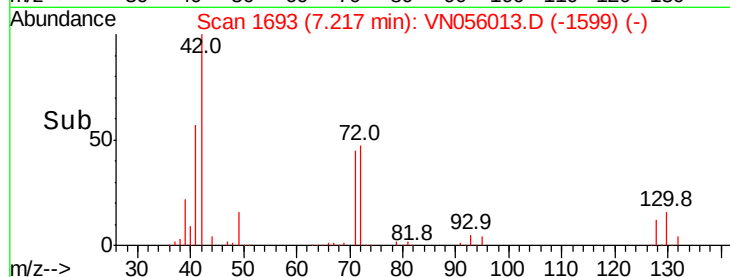
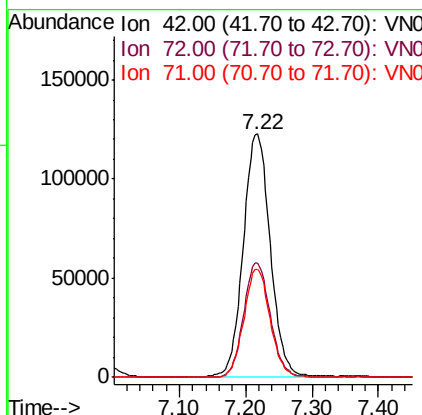
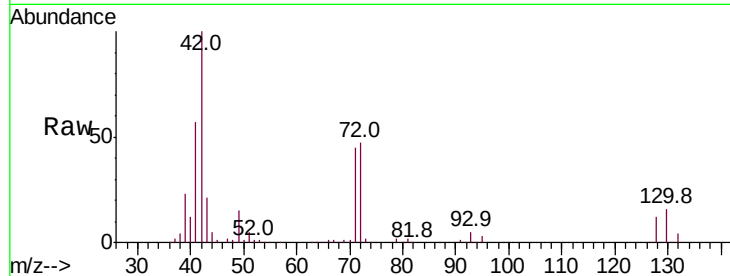
#29
Tetrahydrofuran
Concen: 267.925 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.9	53.9
71	42.9	34.0	51.0

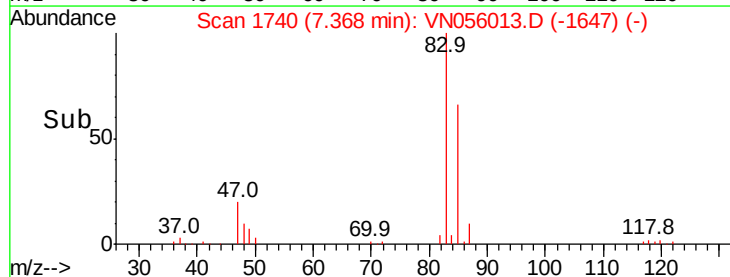
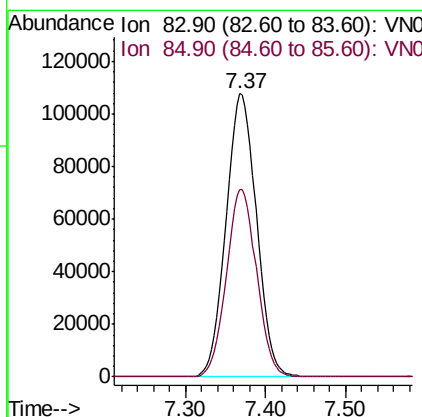
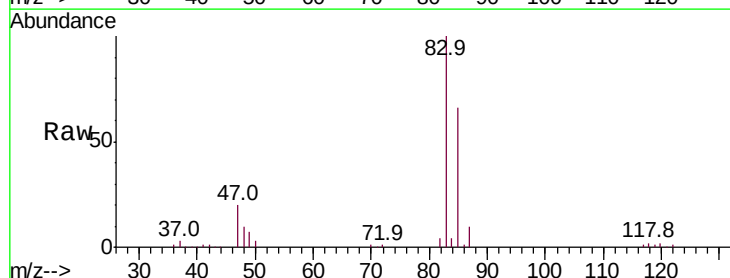
Manual Integrations
APPROVED

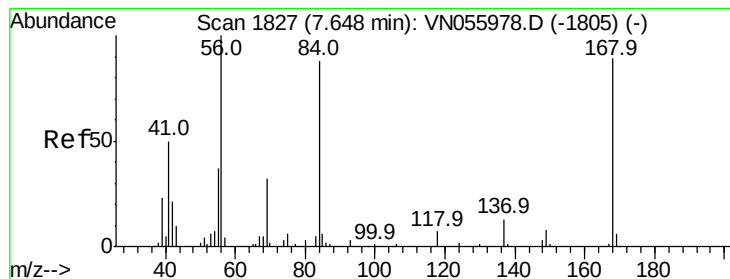
MMDadoda
6/6/2019 12:05:02 PM



#30
Chloroform
Concen: 50.151 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8





#31

Cyclohexane

Concen: 47.263 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 261879

Ion Ratio Lower Upper

56 100

69 33.5 25.6 38.4

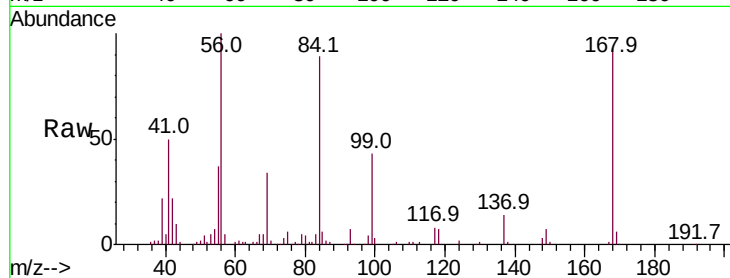
84 88.1 67.4 101.0

Manual Integrations

APPROVED

MMDadoda

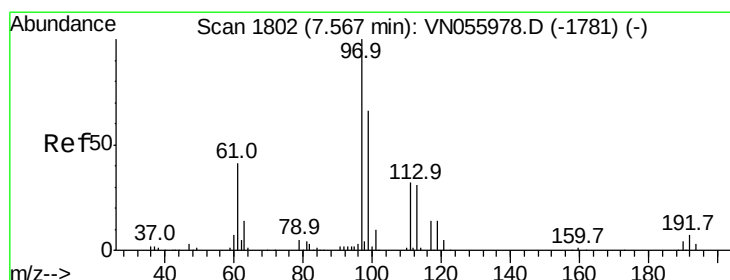
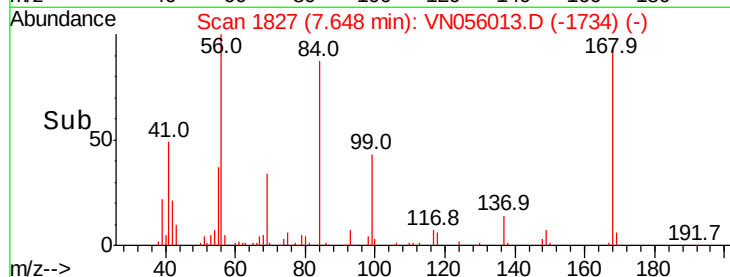
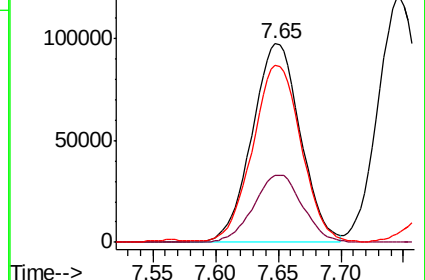
6/6/2019 12:05:02 PM



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN055978.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 50.325 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

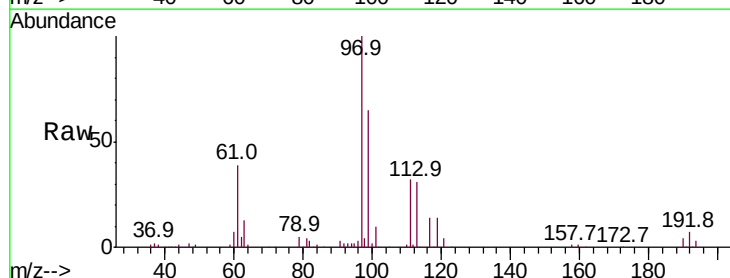
Tgt Ion: 97 Resp: 235001

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

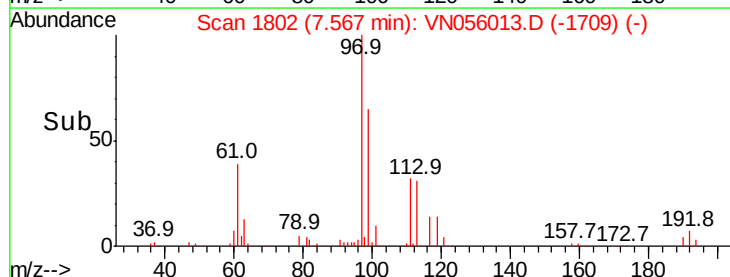
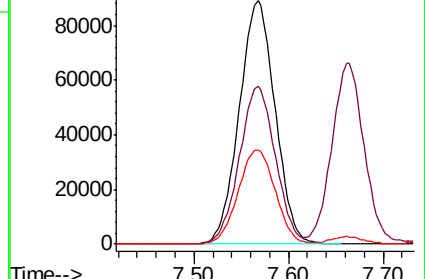
61 40.0 32.9 49.3

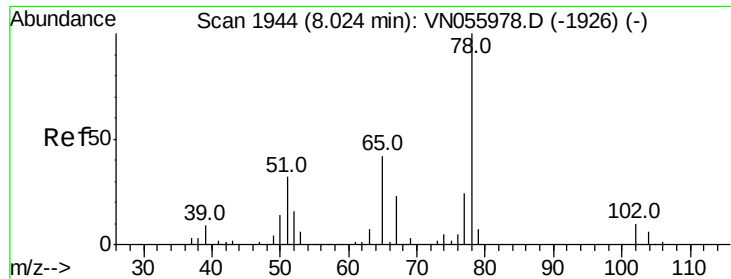


Abundance Ion 96.90 (96.60 to 97.60): VN055978.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1781) (-)





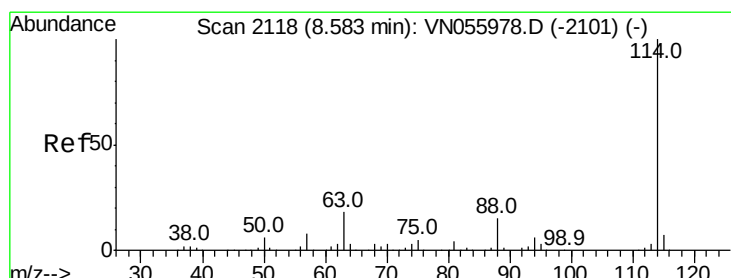
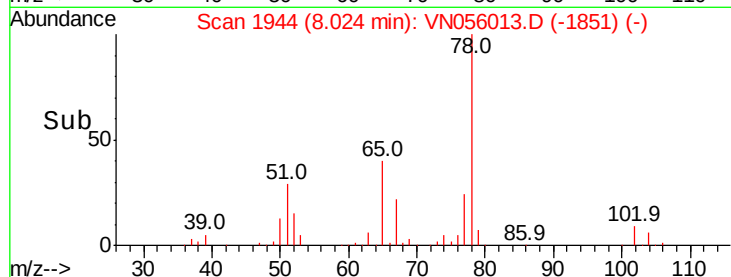
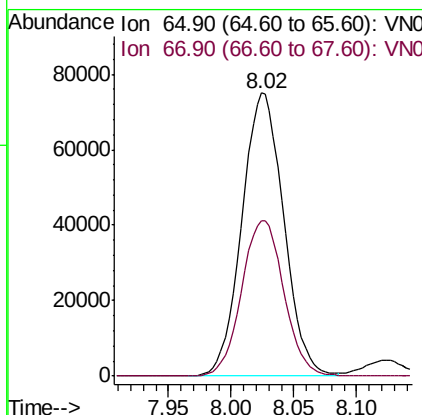
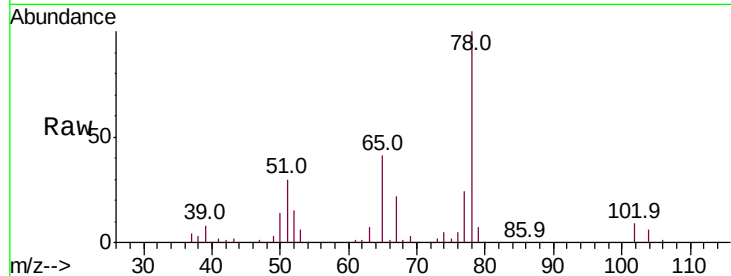
#33
 1,2-Dichloroethane-d4
 Concen: 49.759 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	109.2

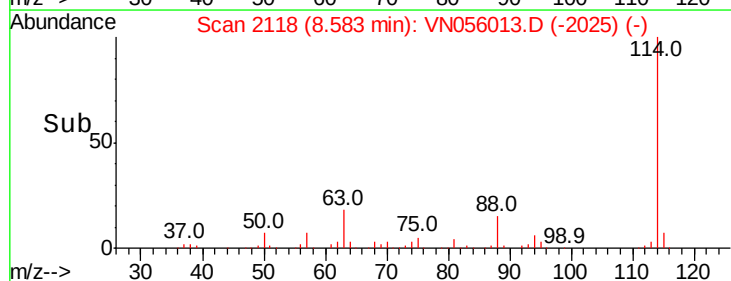
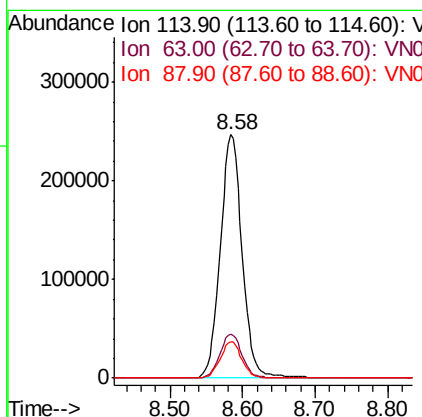
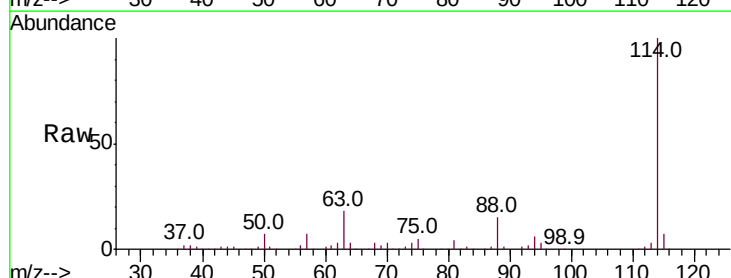
Manual Integrations
 APPROVED

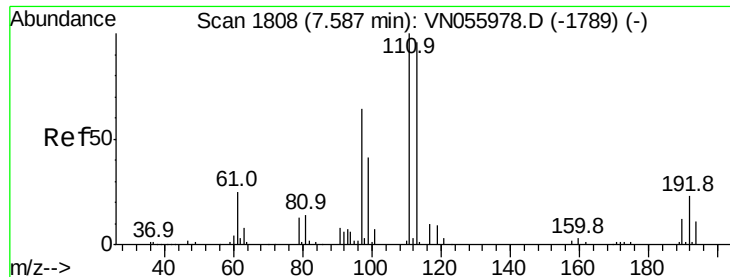
MMDadoda
 6/6/2019 12:05:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.2
88	15.1	0.0	31.0





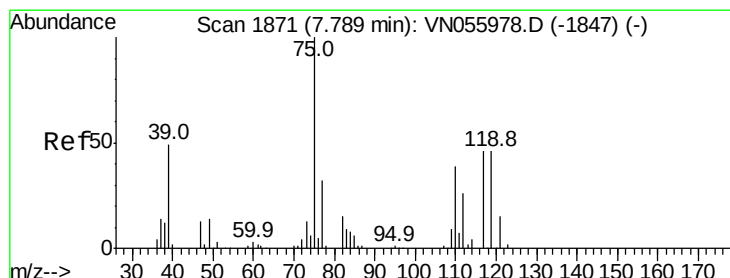
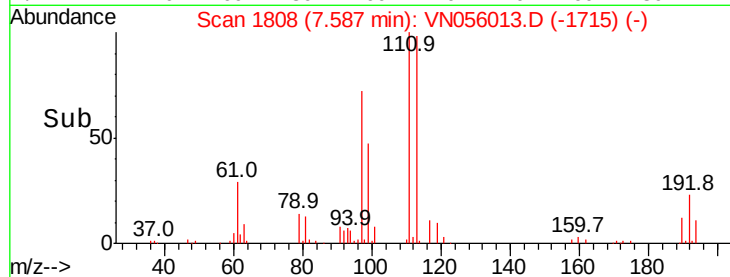
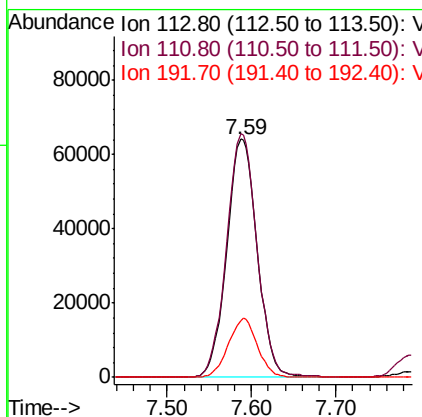
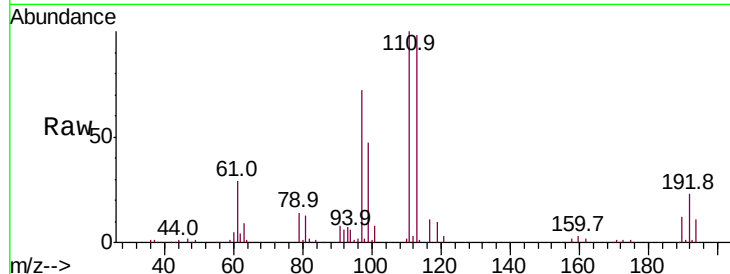
#35
 Dibromofluoromethane
 Concen: 50.811 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	160698		
111	102.4	81.9	122.9	
192	23.6	19.5	29.3	

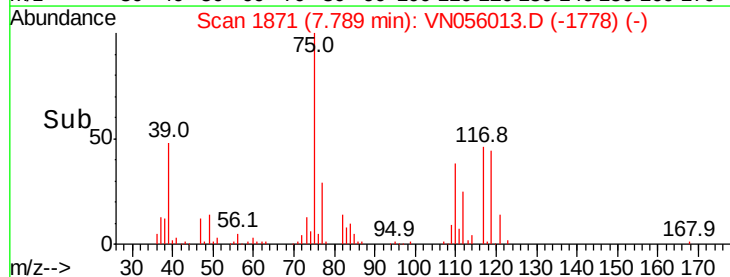
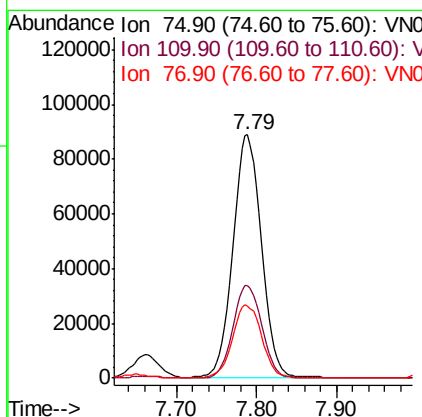
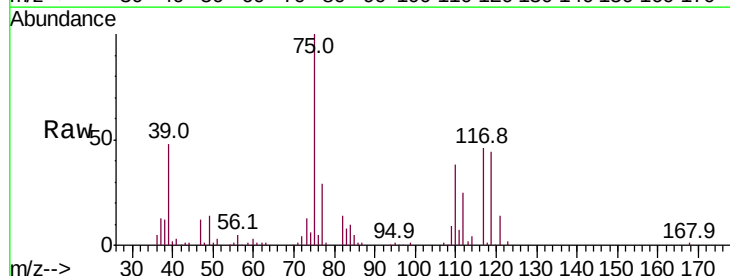
Manual Integrations
 APPROVED

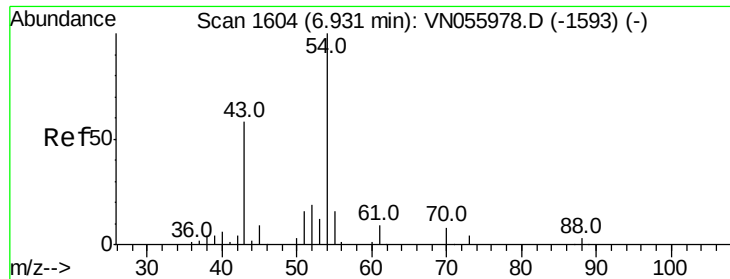
MMDadoda
 6/6/2019 12:05:02 PM



#36
 1,1-Dichloropropene
 Concen: 48.079 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213108		
110	38.7	19.0	57.0	
77	31.1	25.1	37.7	





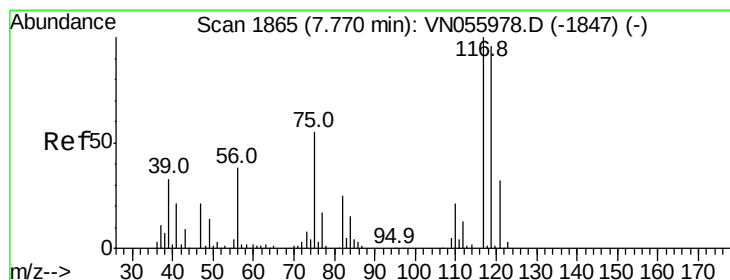
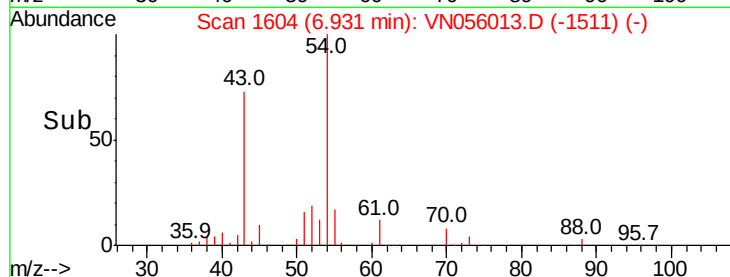
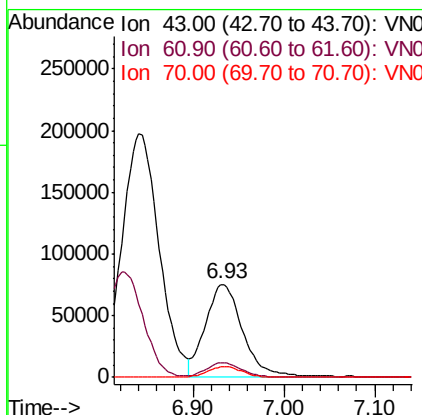
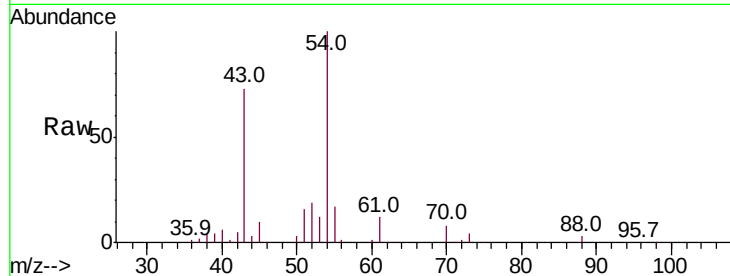
#37
Ethyl Acetate
Concen: 53.629 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.2
70	11.1	8.9	13.3

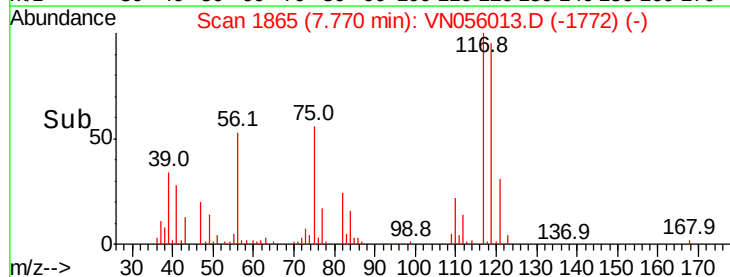
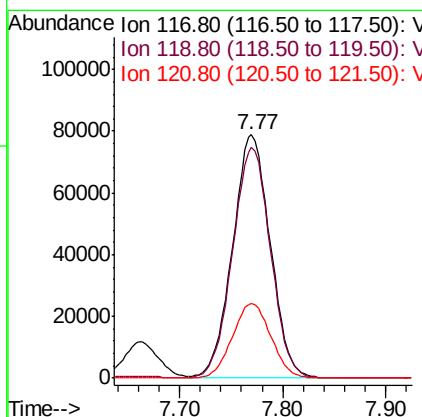
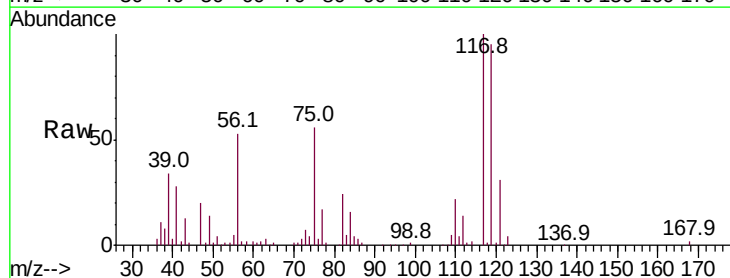
Manual Integrations
APPROVED

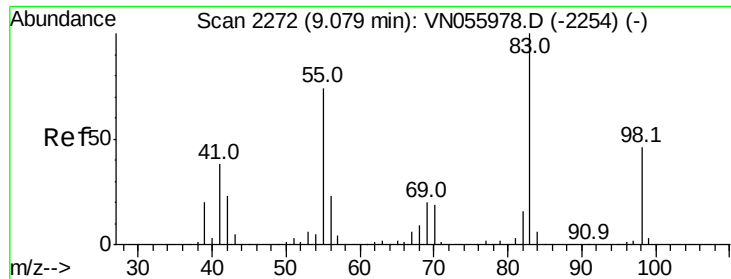
MMDadoda
6/6/2019 12:05:02 PM



#38
Carbon Tetrachloride
Concen: 49.142 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	79.0	118.6
121	30.8	24.7	37.1





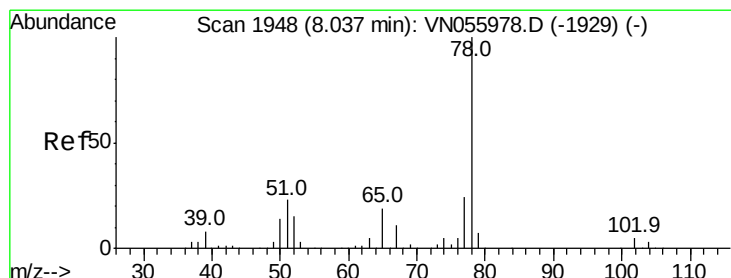
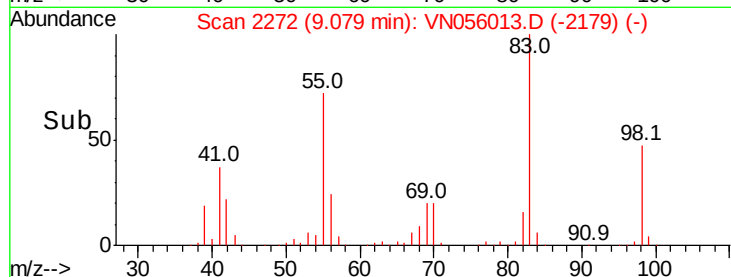
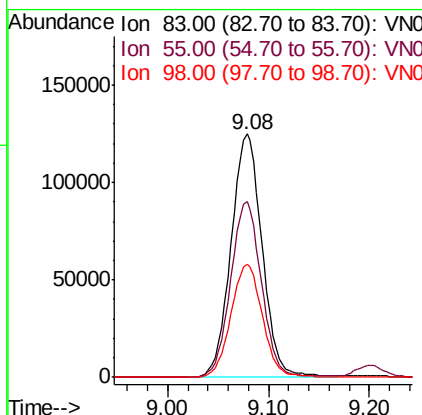
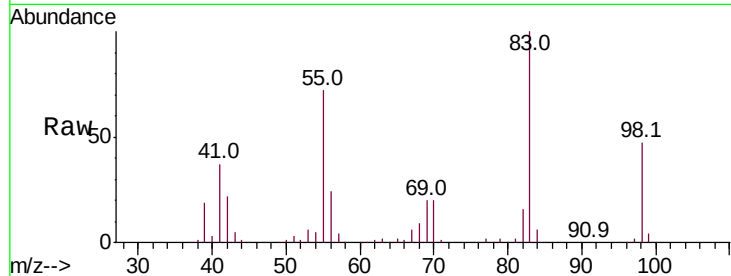
#39
Methylvlcyclohexane
Concen: 48.523 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	59.3	88.9
98	46.5	36.6	54.8

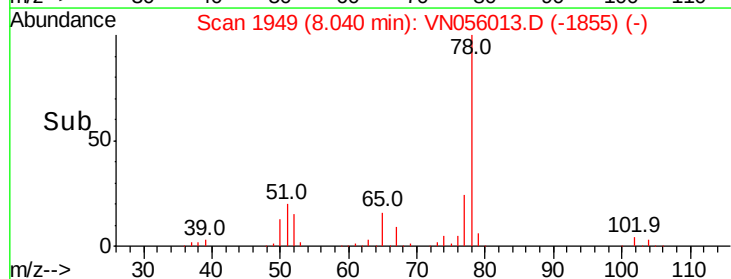
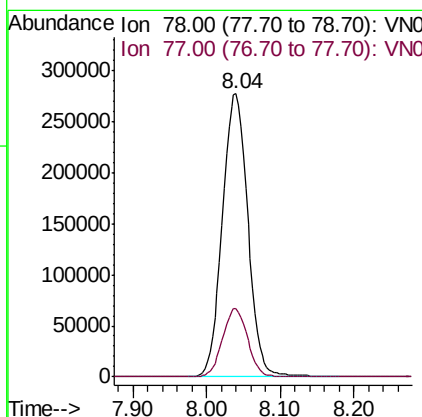
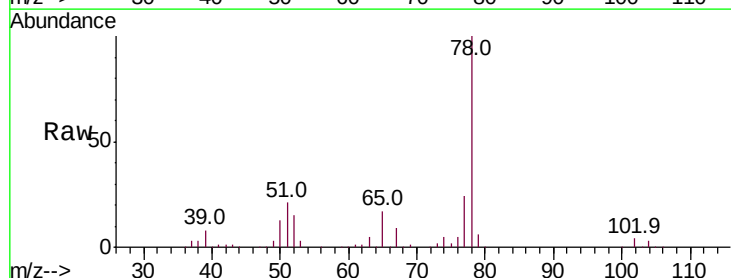
Manual Integrations
APPROVED

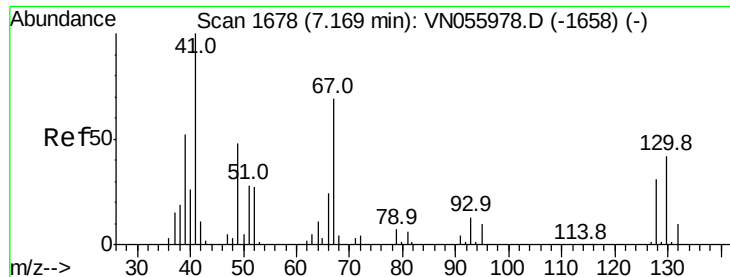
MMDadoda
6/6/2019 12:05:02 PM



#40
Benzene
Concen: 49.668 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





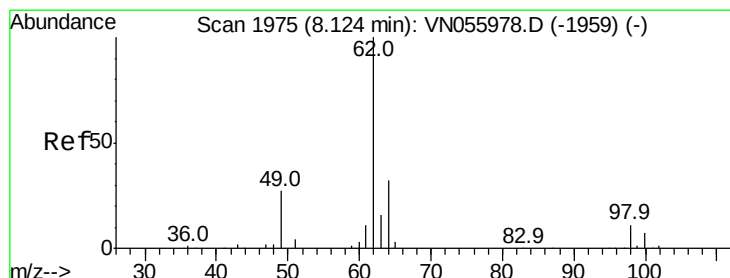
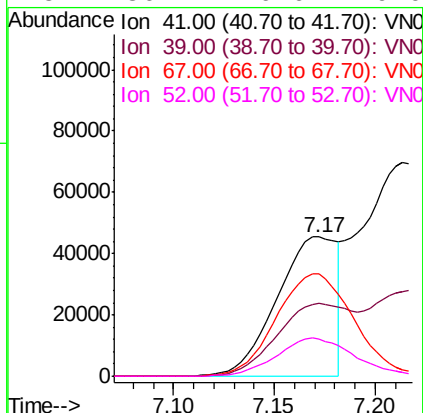
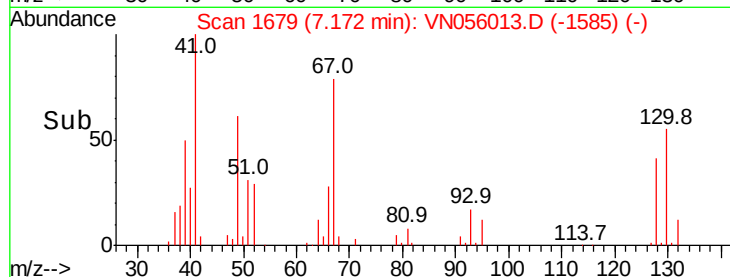
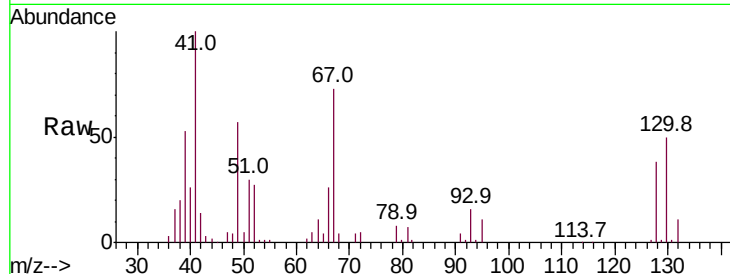
#41
Methacrylonitrile
Concen: 51.808 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.4	45.6	68.4	
67	96.0	67.7	101.5	
52	36.2	26.6	40.0	

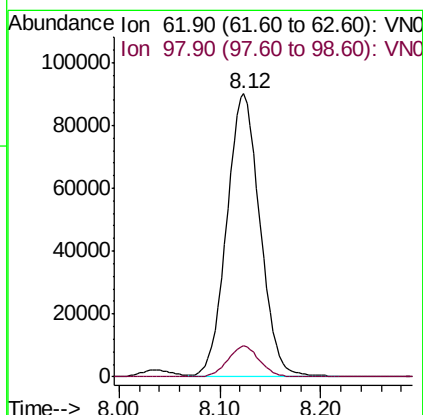
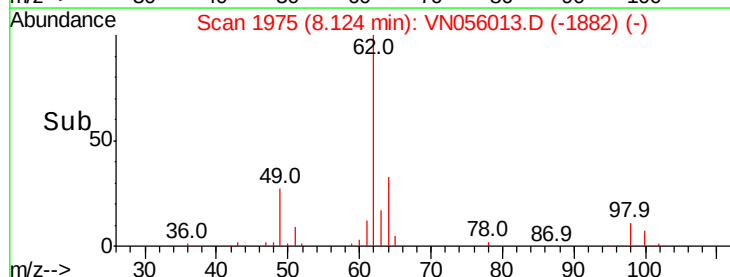
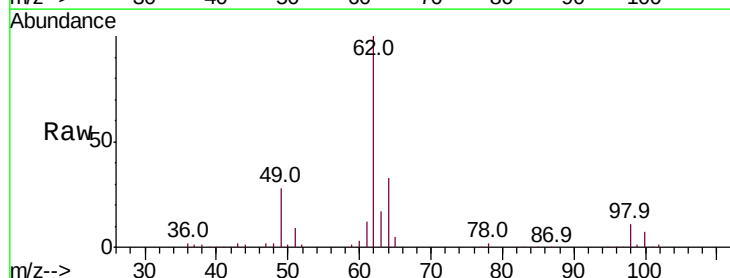
Manual Integrations
APPROVED

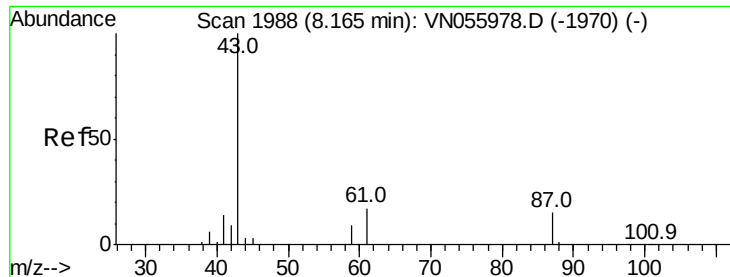
MMDadoda
6/6/2019 12:05:02 PM



#42
1,2-Dichloroethane
Concen: 47.419 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.2	





#43

Isopropyl Acetate

Concen: 52.294 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

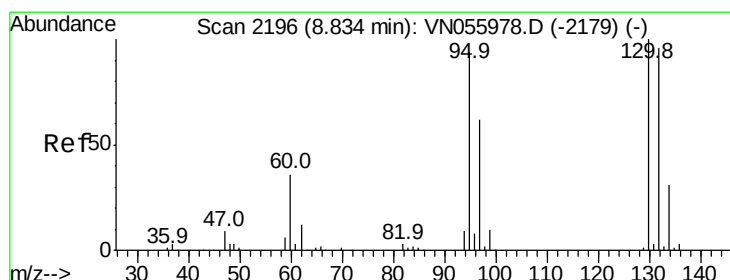
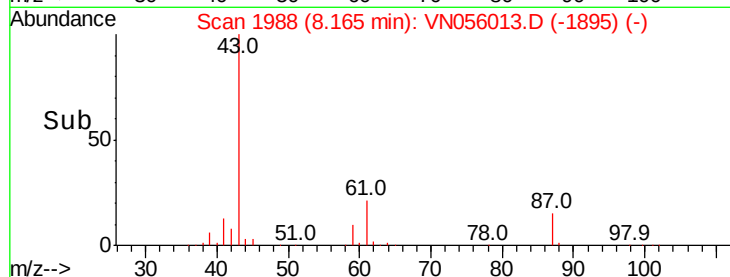
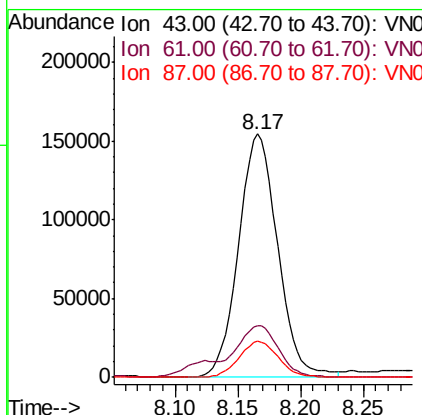
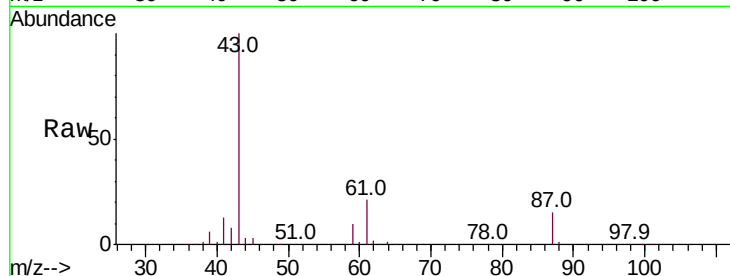
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	334201
Ion	Ratio	Lower	Upper
43	100		
61	22.3	22.2	33.4
87	15.0	11.4	17.2

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#44

Trichloroethene

Concen: 48.652 ug/l

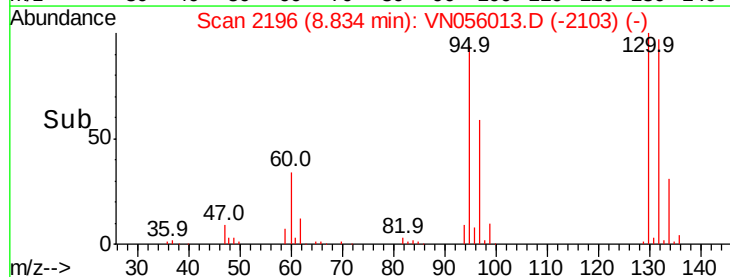
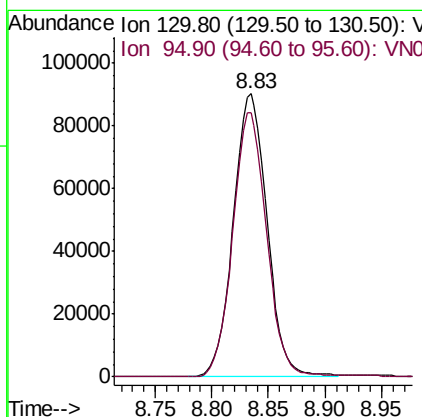
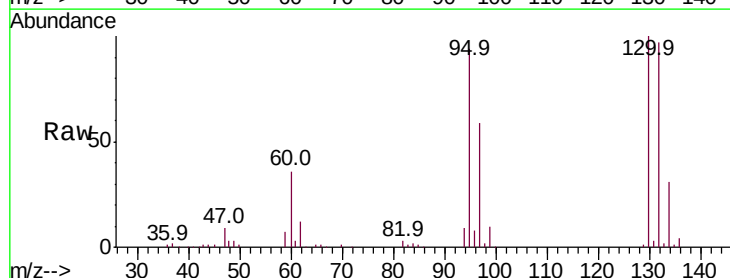
RT: 8.83 min Scan# 2196

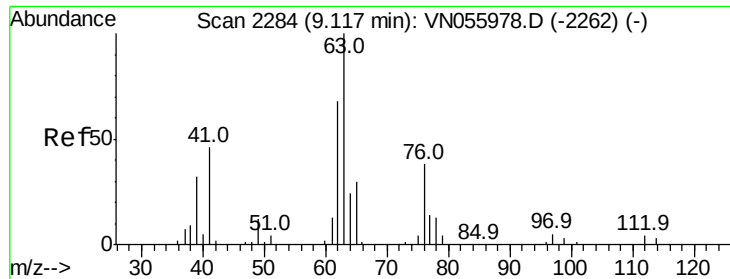
Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tgt Ion:	130	Resp:	188203
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	188.0





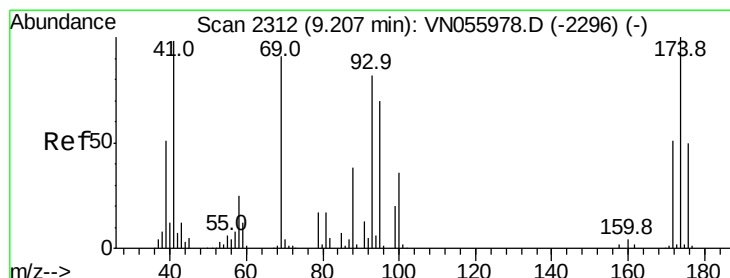
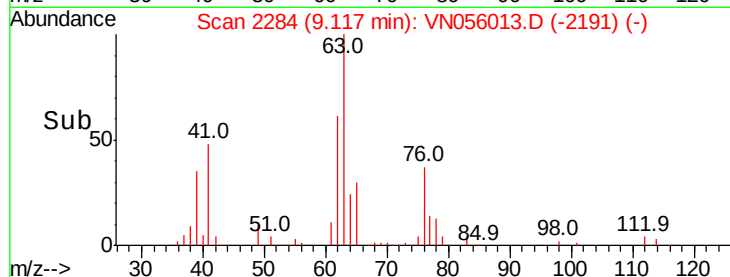
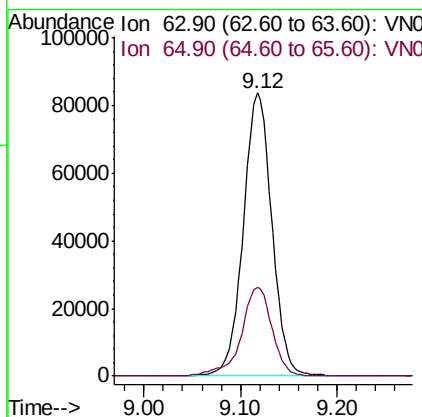
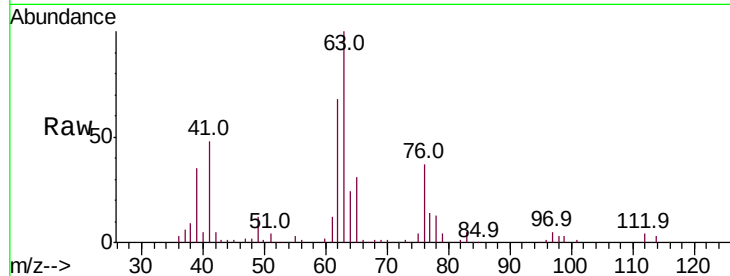
#45
 1,2-Dichloropropane
 Concen: 49.899 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 172066
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 36.8

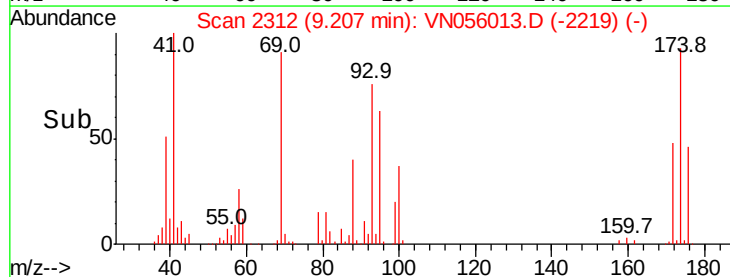
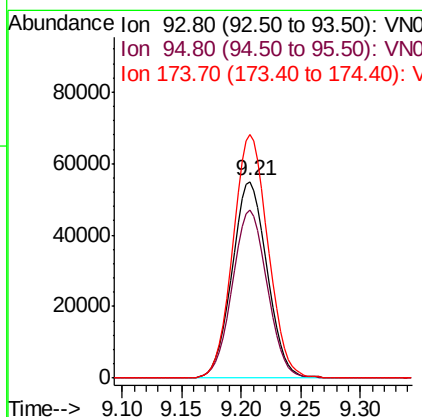
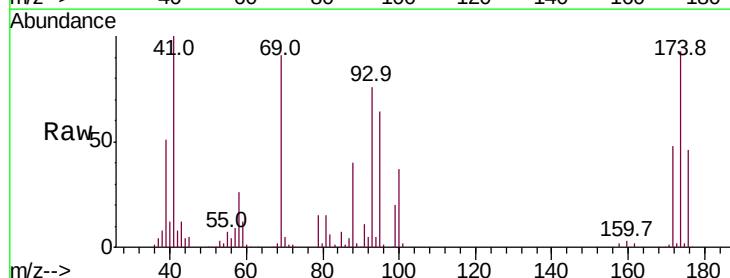
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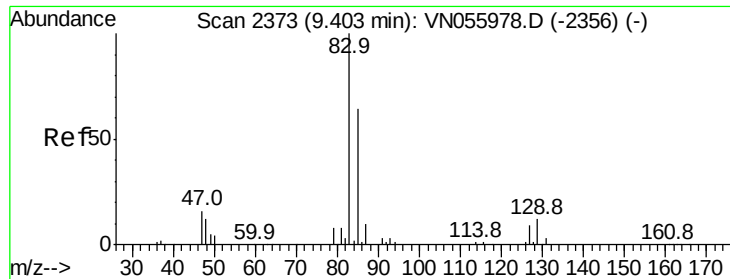
MMDadoda
 6/6/2019 12:05:02 PM



#46
 Dibromomethane
 Concen: 49.883 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion: 93 Resp: 112481
 Ion Ratio Lower Upper
 93 100
 95 85.2 66.7 100.1
 174 123.6 96.4 144.6





#47

Bromodichloromethane

Concen: 51.085 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

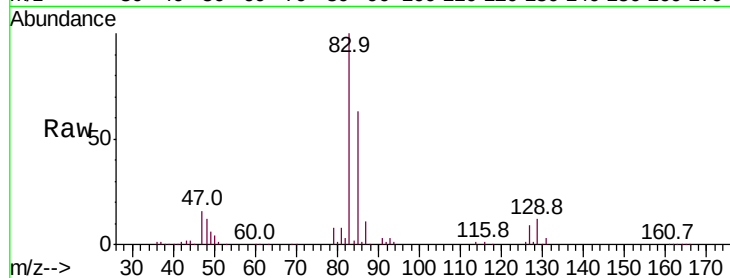
ClientSampleId :

VSTDCCC050EC

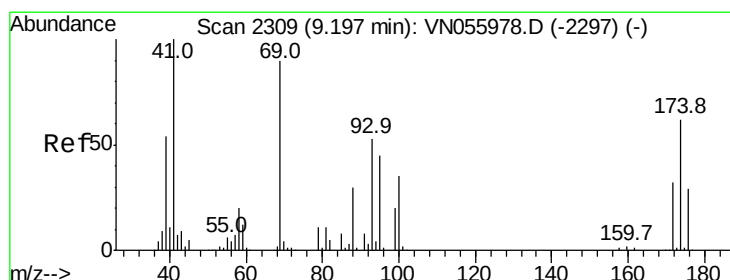
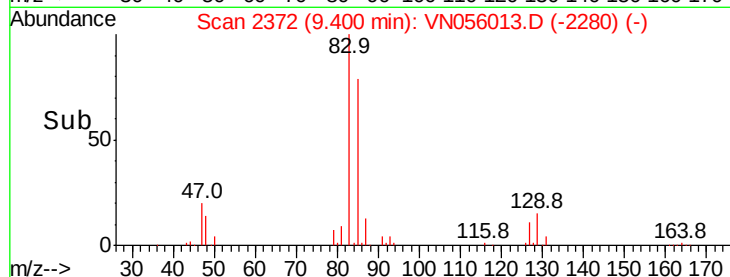
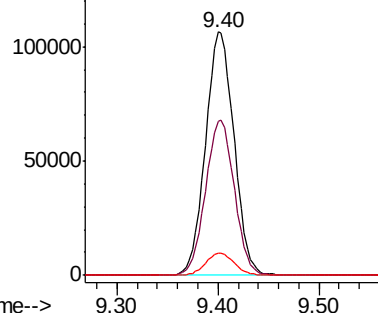
Tot Ion:	83	Resp:	208776
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.2
127	9.1	7.4	11.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)



#48

Methyl methacrylate

Concen: 51.366 ug/l

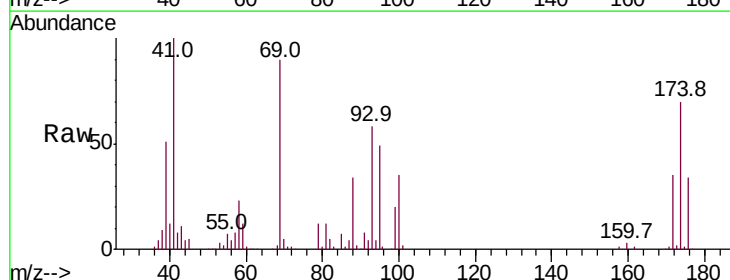
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

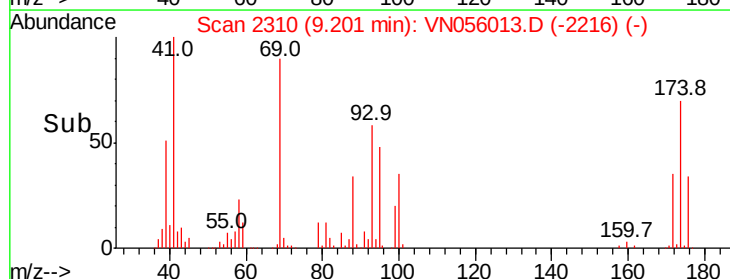
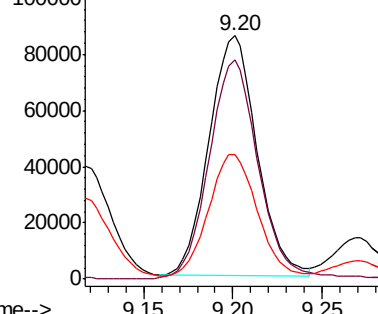
Lab File: VN056013.D

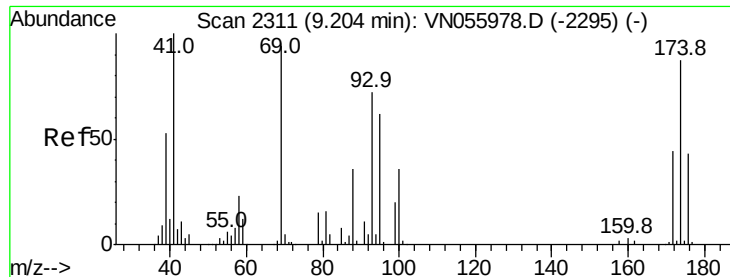
Acq: 5 Jun 2019 17:13

Tgt Ion:	41	Resp:	160597
Ion	Ratio	Lower	Upper
41	100		
69	93.9	71.0	106.6
39	53.7	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)





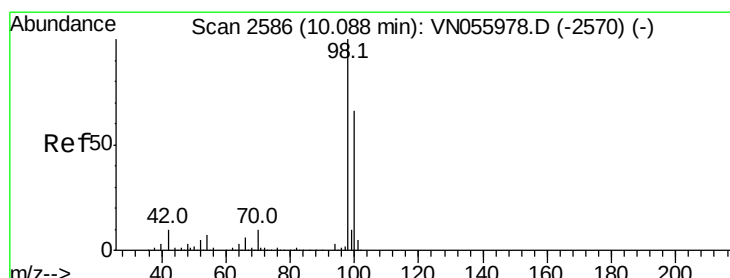
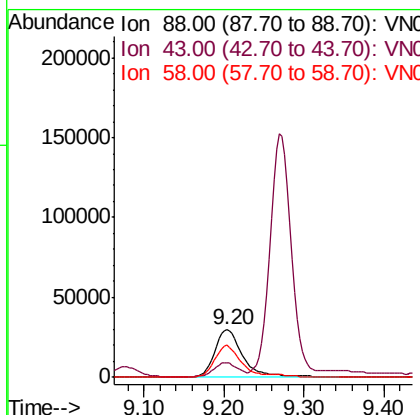
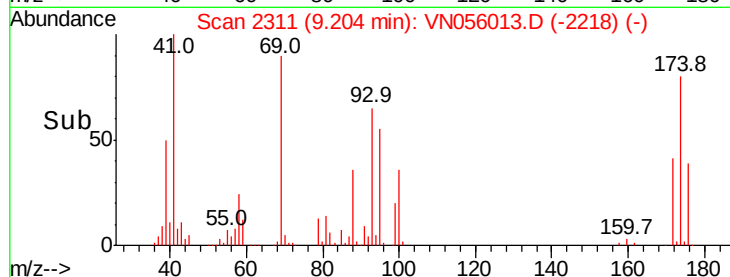
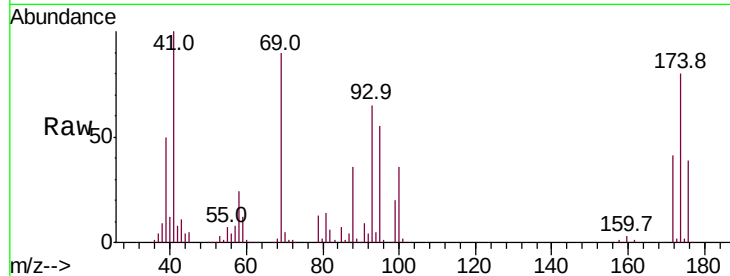
#49
 1,4-Dioxane
 Concen: 1087.918 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	73433
Ion	Ratio	Lower	Upper
88	100		
43	25.2	20.5	30.7
58	67.1	55.8	83.6

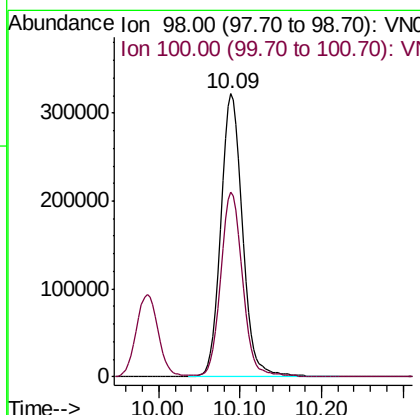
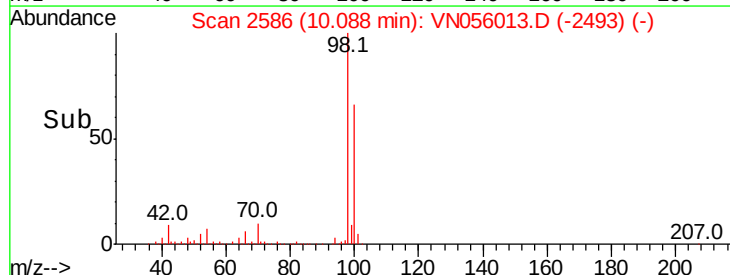
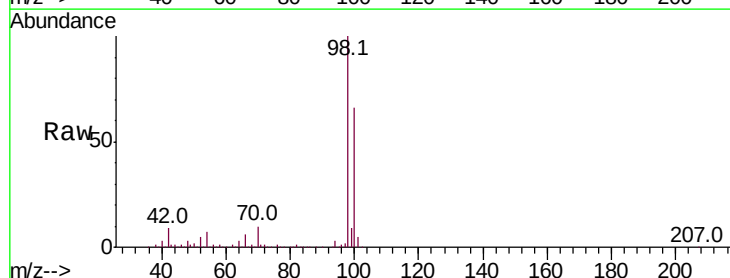
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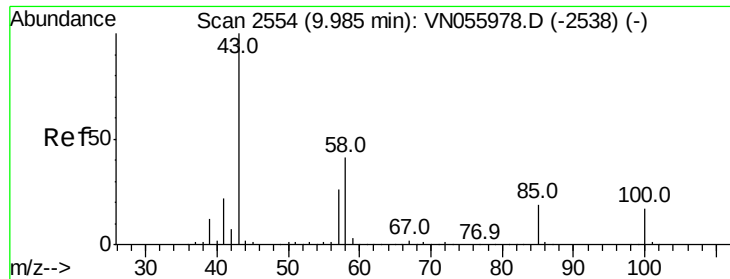
MMDadoda
 6/6/2019 12:05:02 PM



#50
 Toluene-d8
 Concen: 50.241 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion	98	Resp	611428
Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 261.338 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tot Ion: 43 Resp: 1044435

Ion Ratio Lower Upper

43 100

58 40.9 32.1 48.1

Instrument :

MSVOA_N

ClientSampleId :

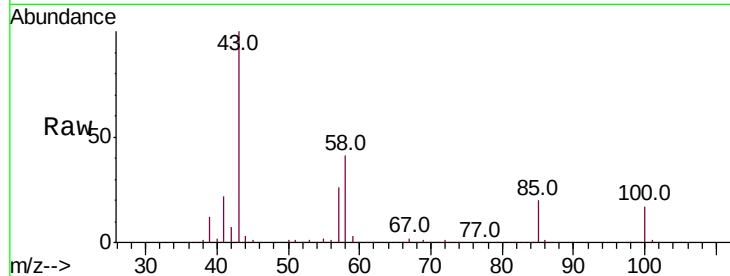
VSTDCCC050EC

Manual Integrations

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6/6/2019 12:05:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

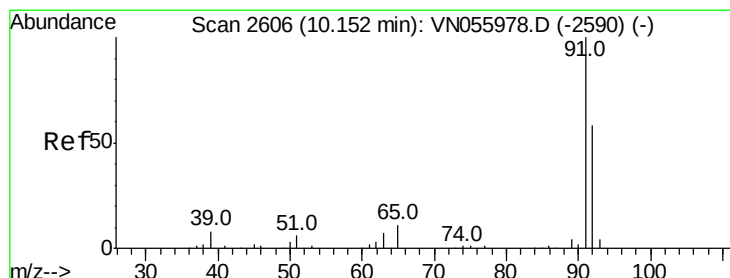
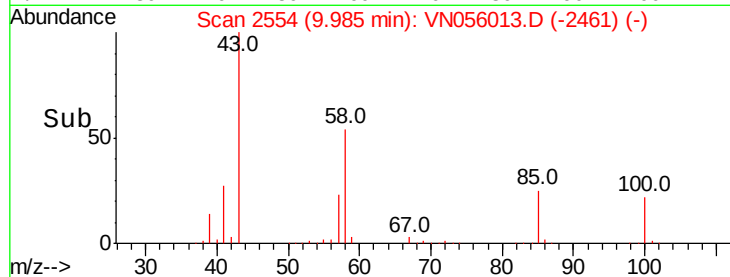
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.581 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056013.D

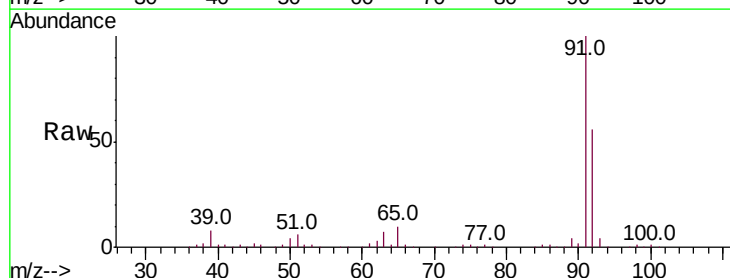
Acq: 5 Jun 2019 17:13

Tgt Ion: 92 Resp: 423717

Ion Ratio Lower Upper

92 100

91 175.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

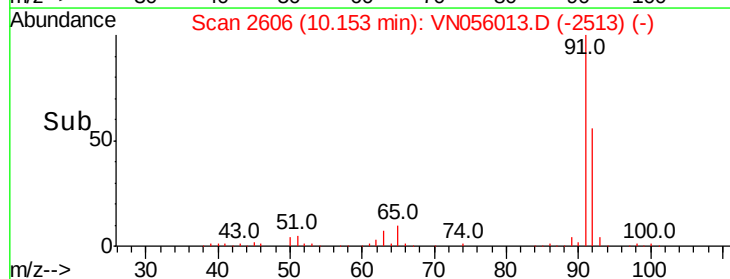
300000

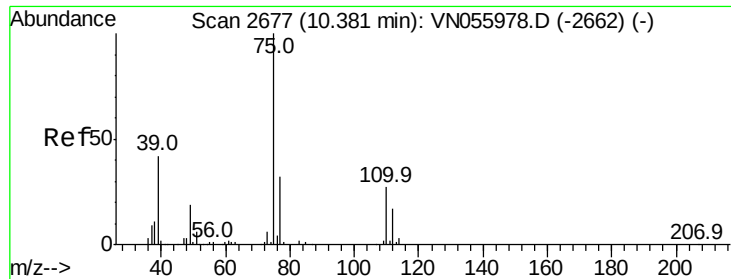
200000

100000

0

Time-->





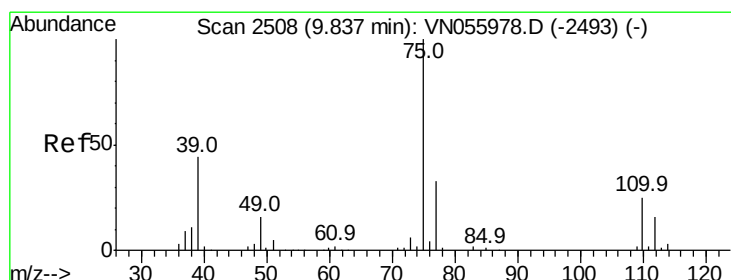
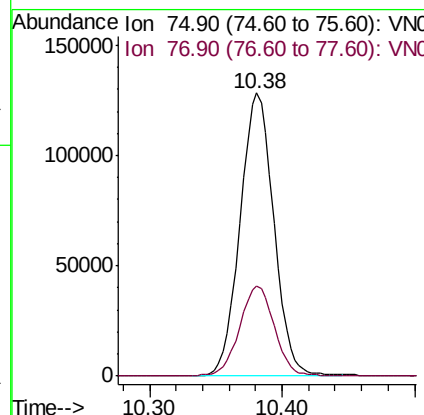
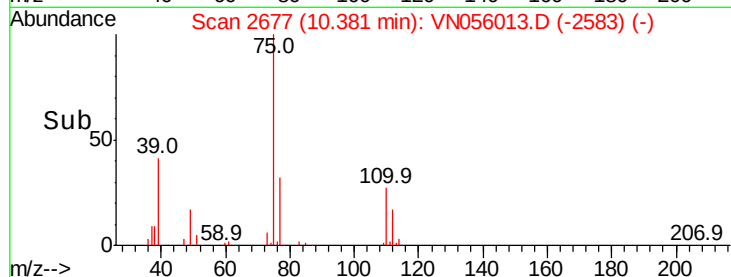
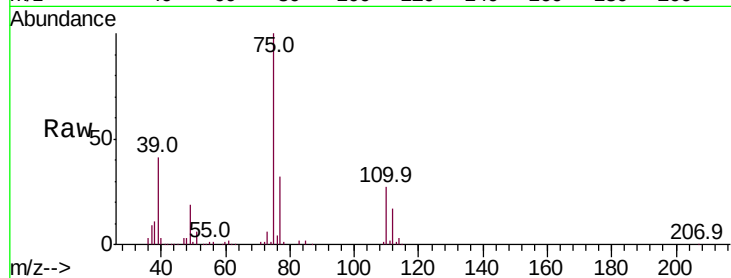
#53
 t-1,3-Dichloropropene
 Concen: 47.503 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6

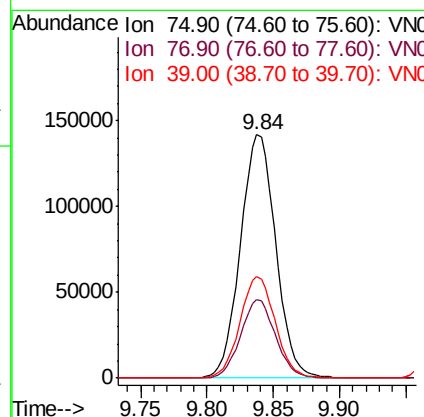
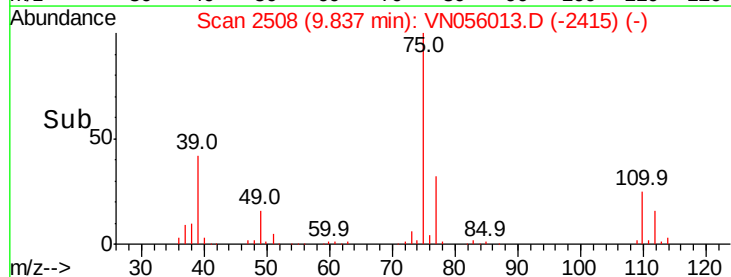
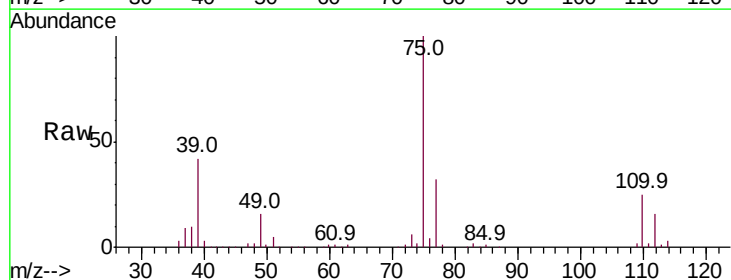
Manual Integrations
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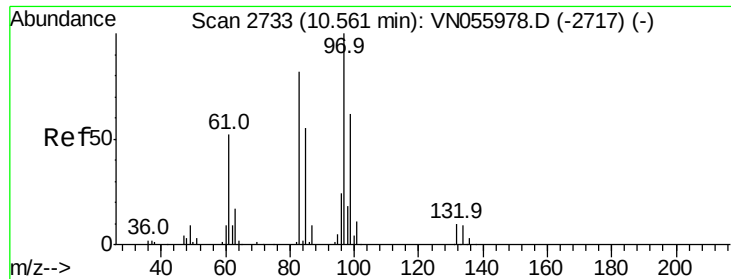
MMDadoda
 6/6/2019 12:05:02 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.528 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0
39	41.9	36.3	54.5





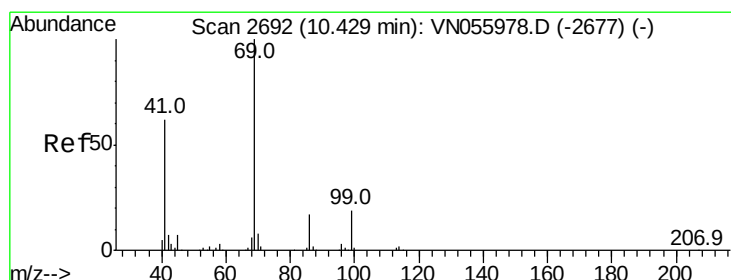
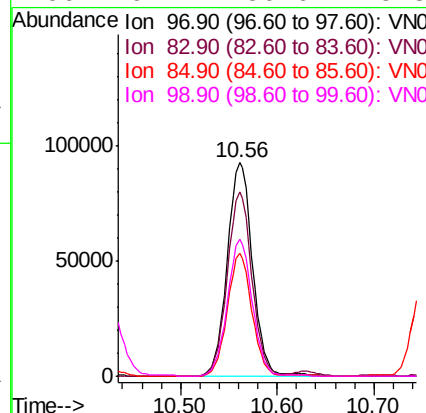
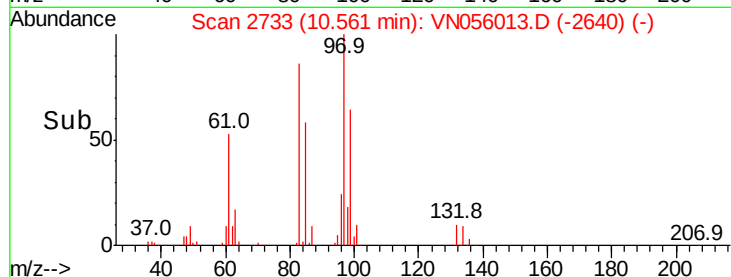
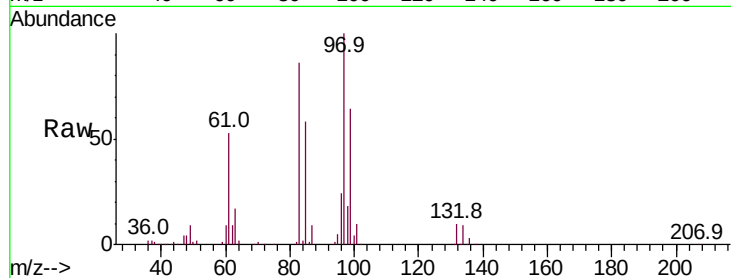
#55
 1,1,2-Trichloroethane
 Concen: 50.779 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	168499
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.0	100.6
85	57.5	44.0	66.0
99	64.2	50.6	75.8

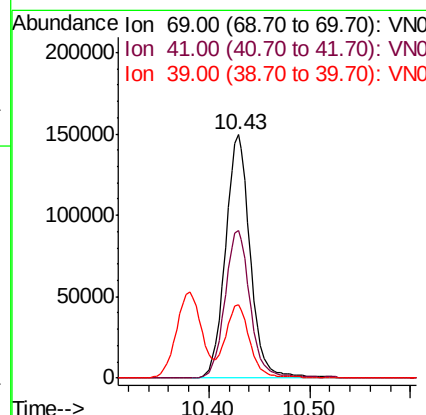
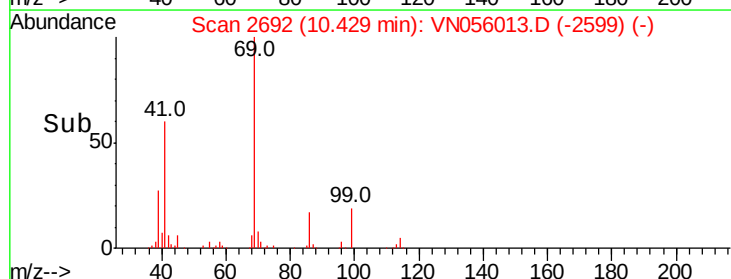
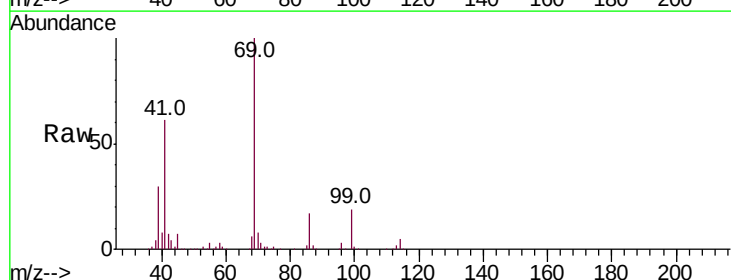
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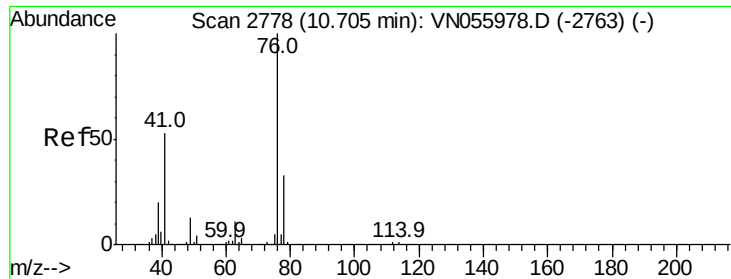
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#56
 Ethyl methacrylate
 Concen: 53.012 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion:	69	Resp:	256631
Ion	Ratio	Lower	Upper
69	100		
41	60.7	49.7	74.5
39	29.2	24.7	37.1





#57

1,3-Dichloropropane

Concen: 51.199 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

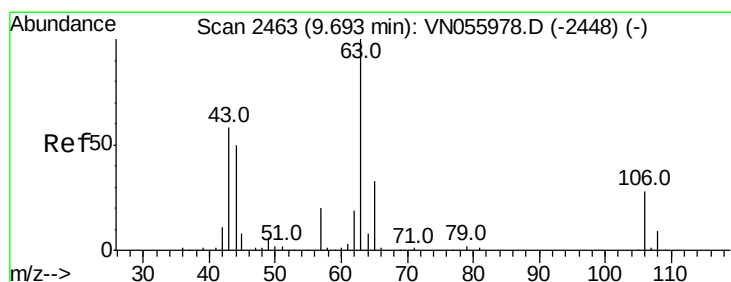
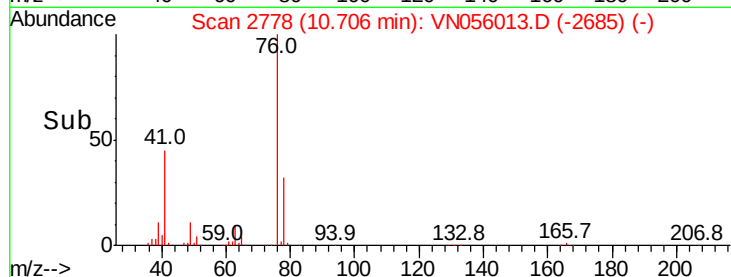
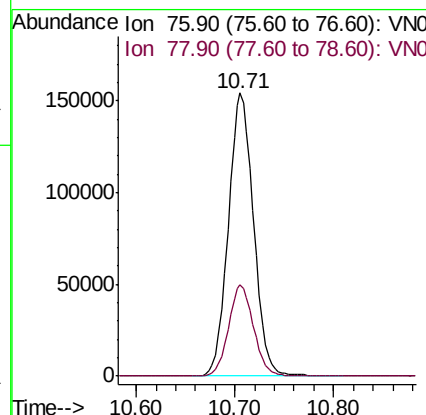
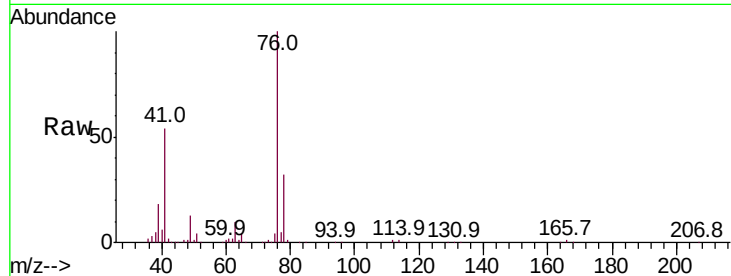
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 76 Resp: 276182

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

Manual Integrations
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6/6/2019 12:05:02 PM



#58

2-Chloroethyl Vinyl ether

Concen: 238.079 ug/l

RT: 9.69 min Scan# 2463

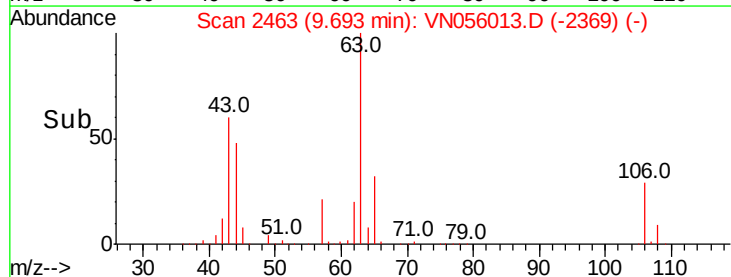
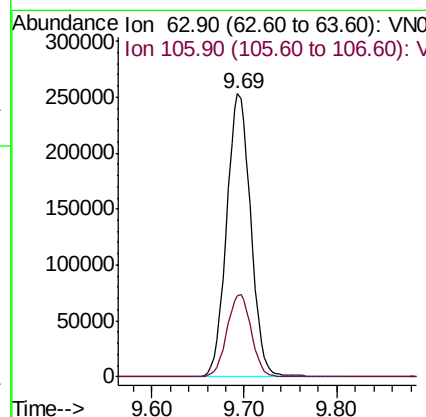
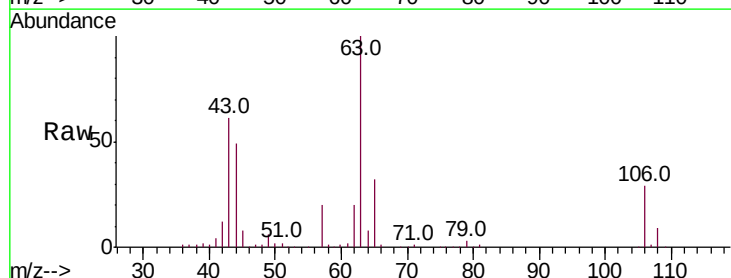
Delta R.T. 0.00 min

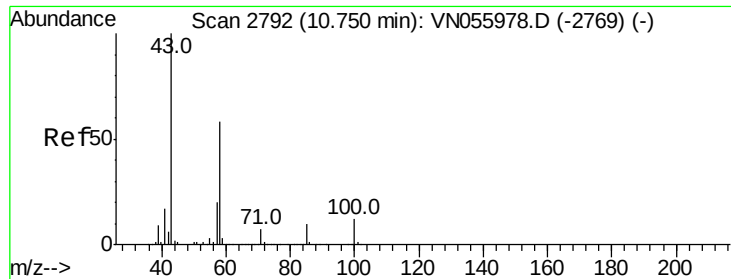
Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tgt Ion: 63 Resp: 455519

Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.7	34.1





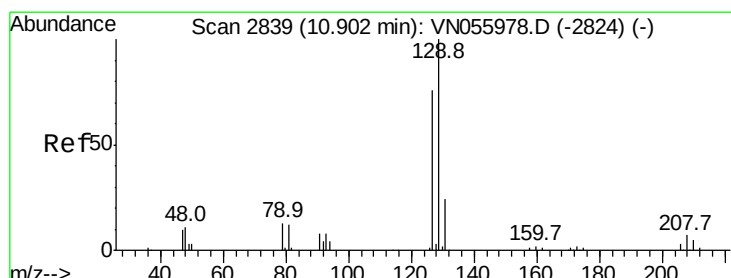
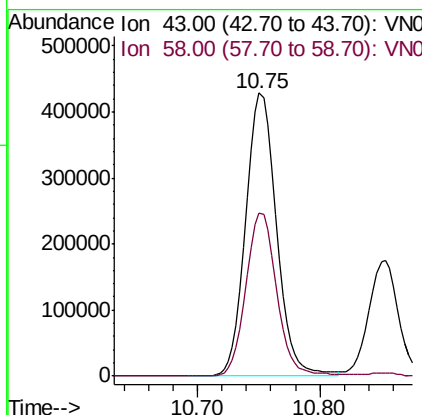
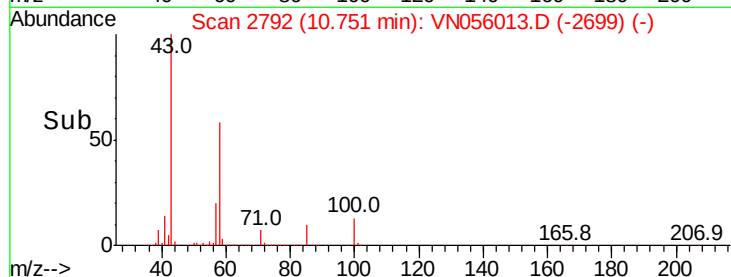
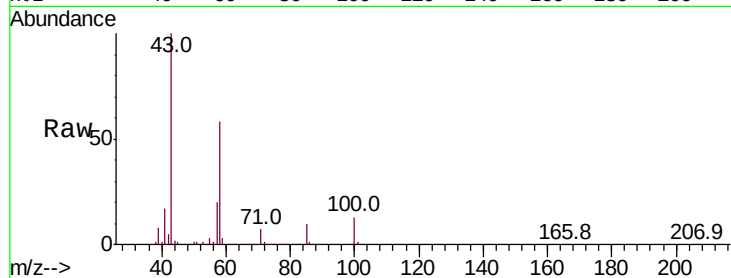
#59
2-Hexanone
Concen: 256.719 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 743602
Ion Ratio Lower Upper
43 100
58 57.8 28.2 84.7

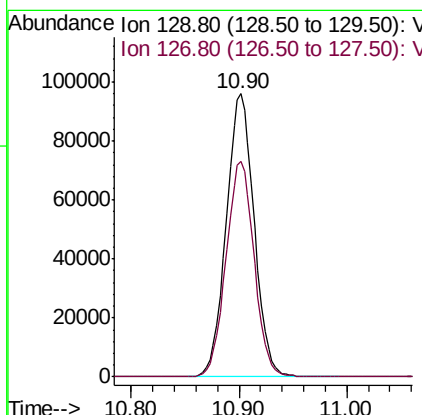
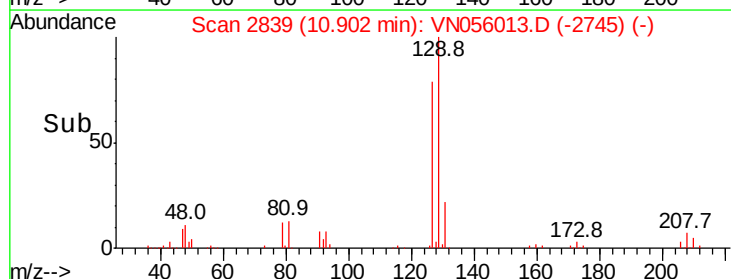
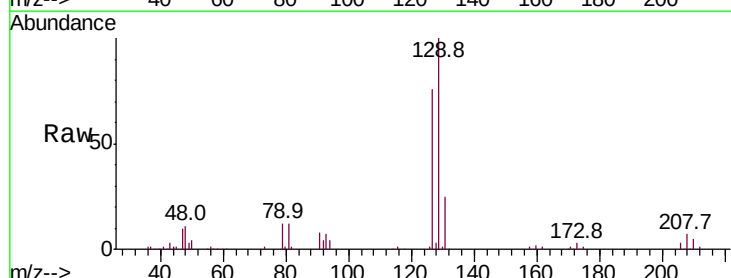
Manual Integrations
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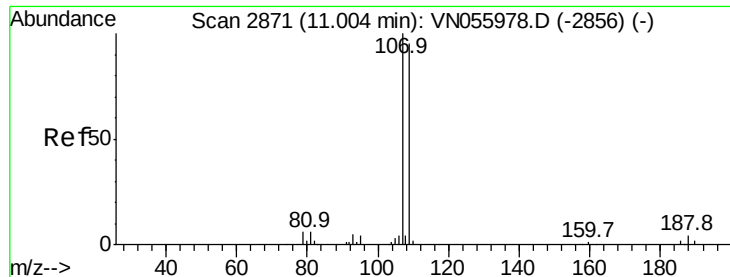
MMDadoda
6/6/2019 12:05:02 PM



#60
Dibromochloromethane
Concen: 47.408 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion: 129 Resp: 173012
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





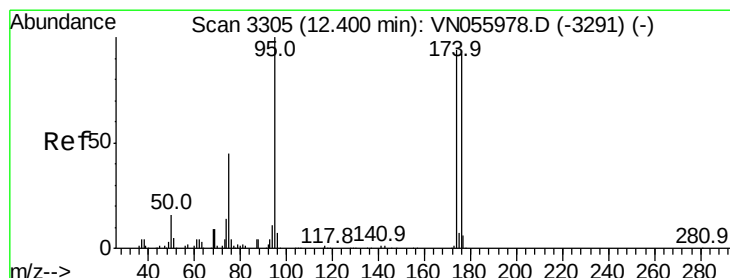
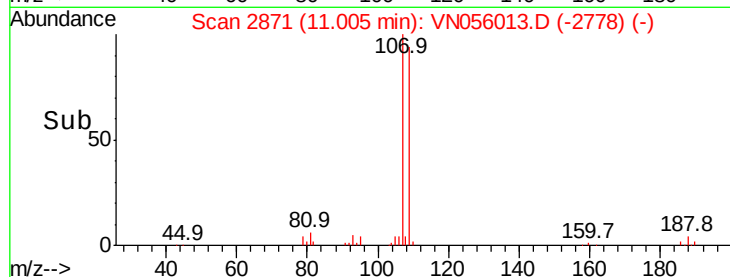
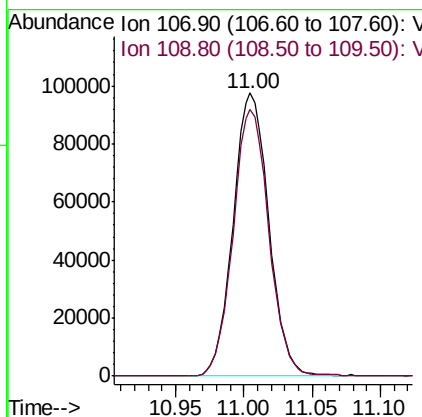
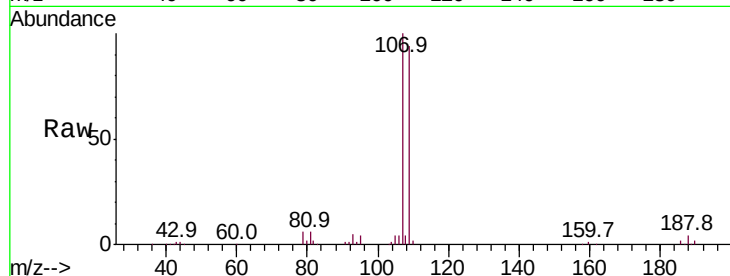
#61
1,2-Dibromoethane
Concen: 52.213 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.8	112.2

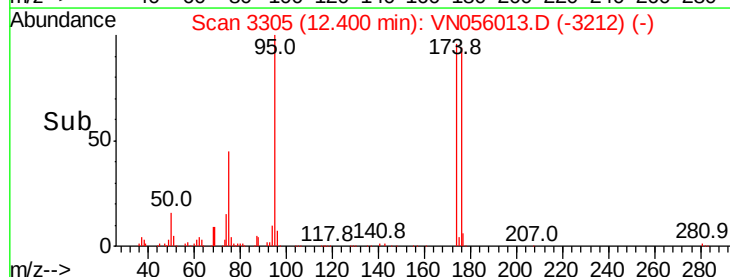
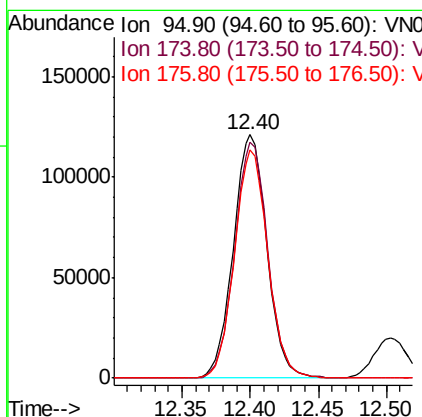
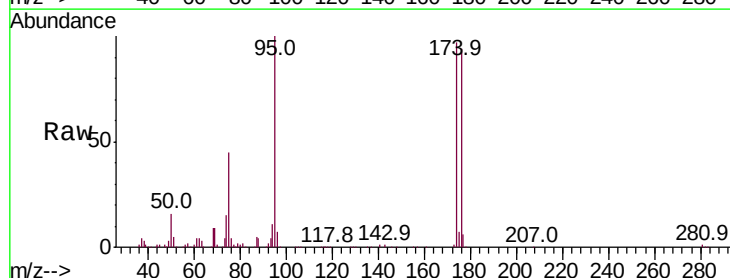
Manual Integrations
APPROVED

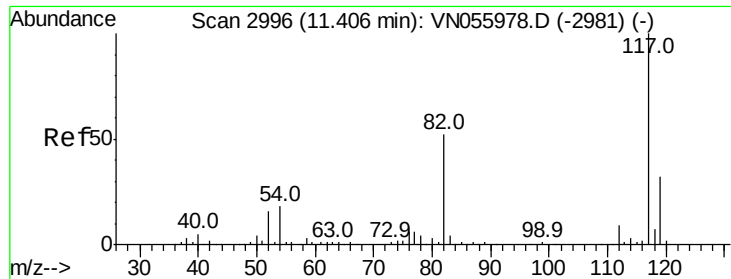
MMDadoda
6/6/2019 12:05:02 PM



#62
4-Bromofluorobenzene
Concen: 49.922 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	191.0
176	93.1	0.0	185.2





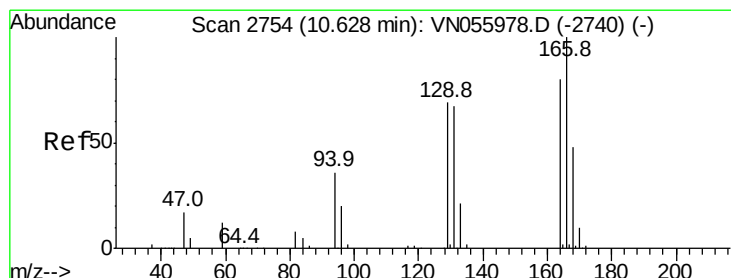
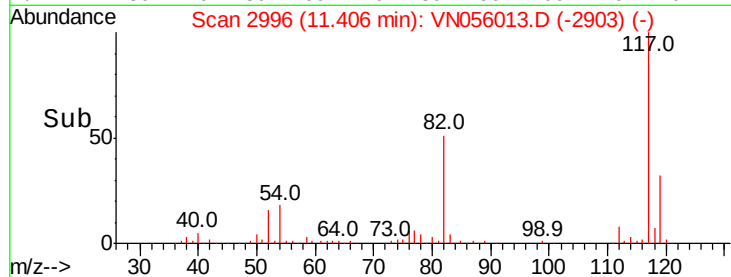
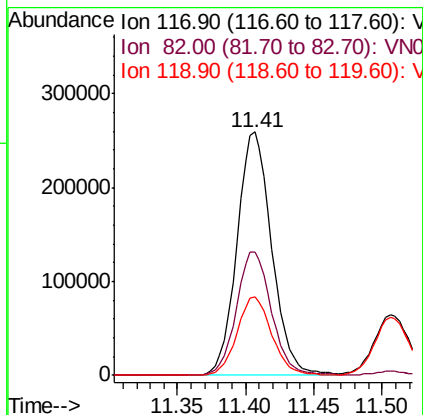
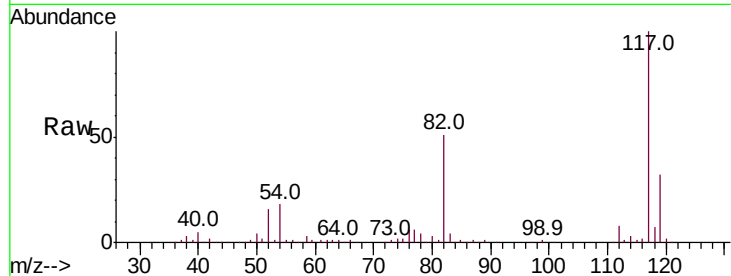
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.8	62.8
119	32.1	25.4	38.0

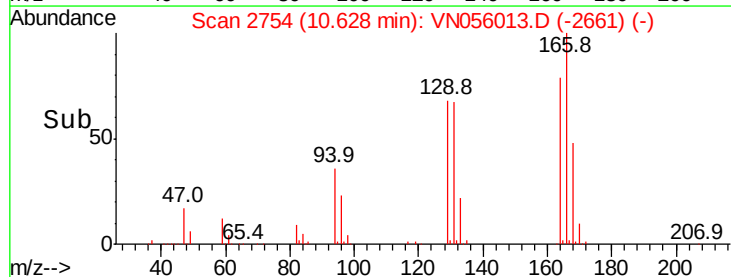
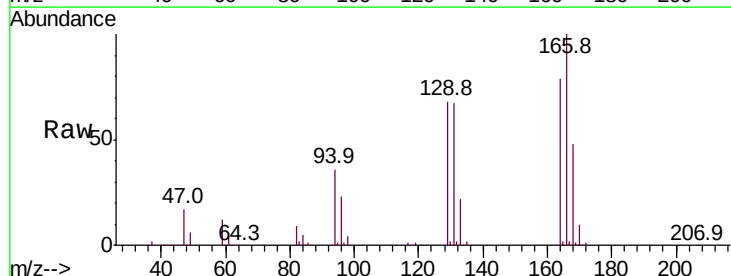
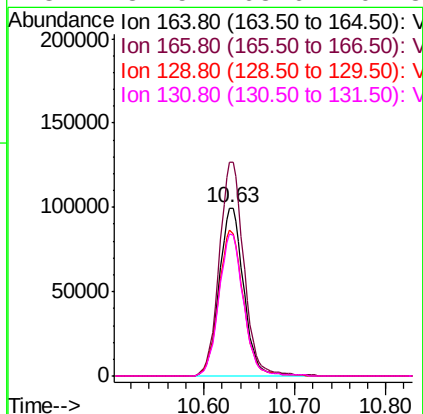
Manual Integrations
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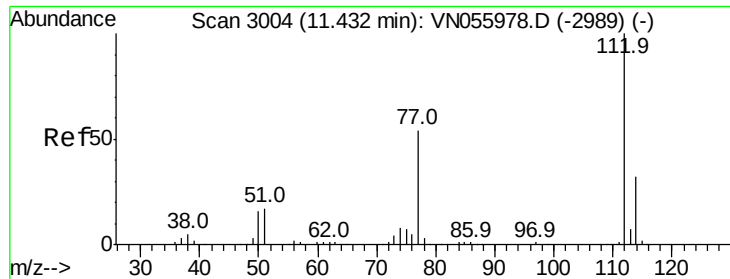
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6/6/2019 12:05:02 PM



#64
Tetrachloroethene
Concen: 46.894 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.0	154.6
129	86.6	70.6	105.8
131	84.5	68.6	102.8





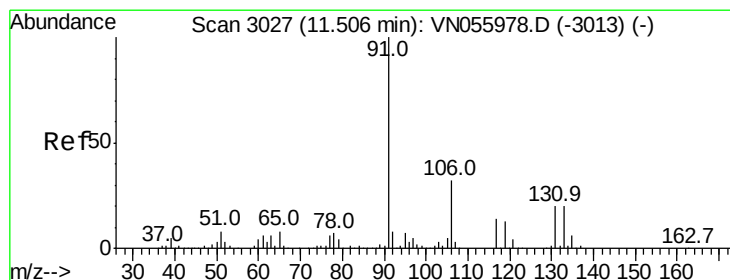
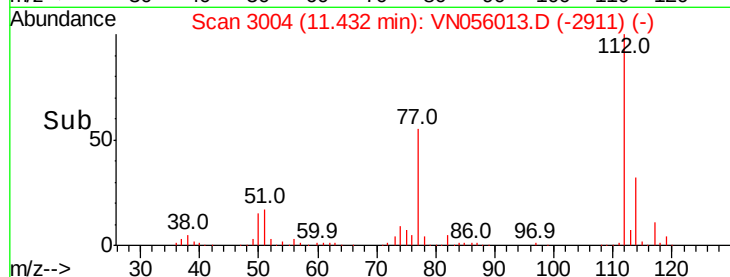
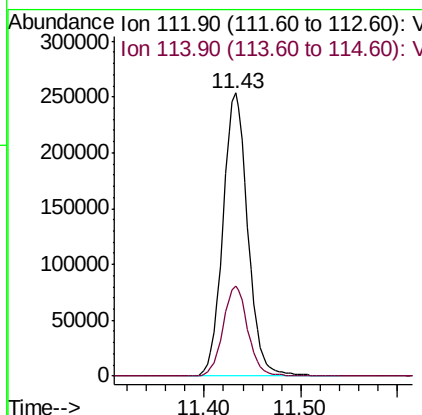
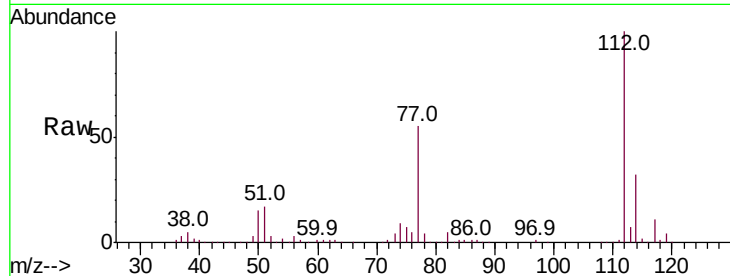
#65
Chlorobenzene
Concen: 49.393 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 451465
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

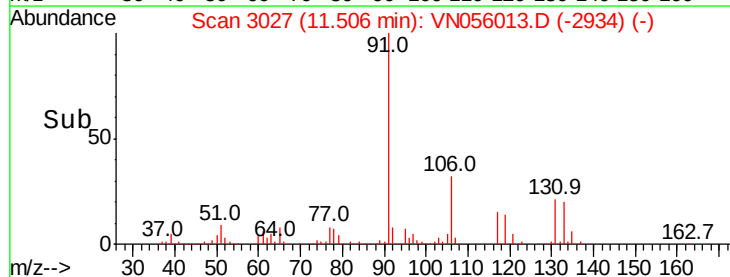
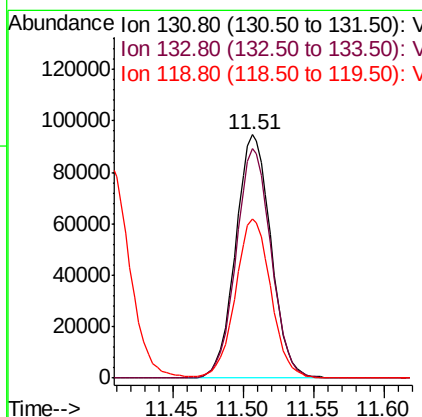
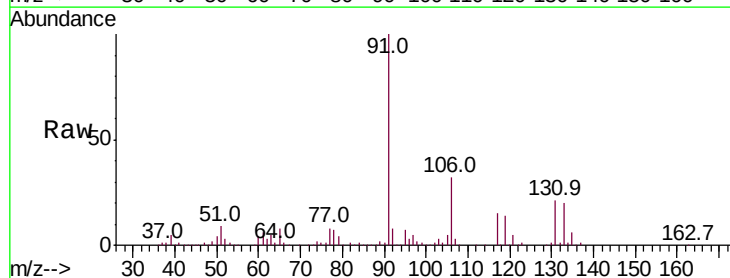
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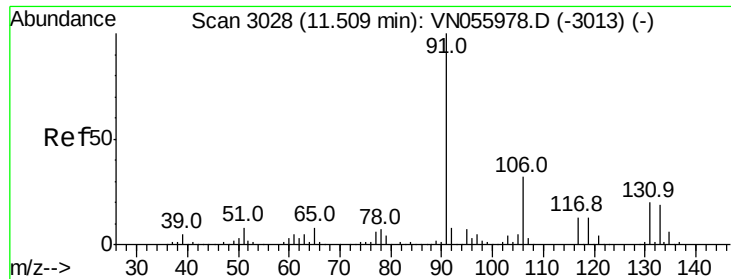
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6/6/2019 12:05:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.592 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion:131 Resp: 165980
Ion Ratio Lower Upper
131 100
133 93.7 48.0 144.0
119 65.8 33.1 99.5





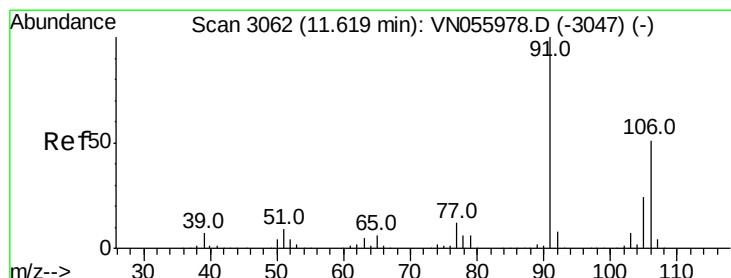
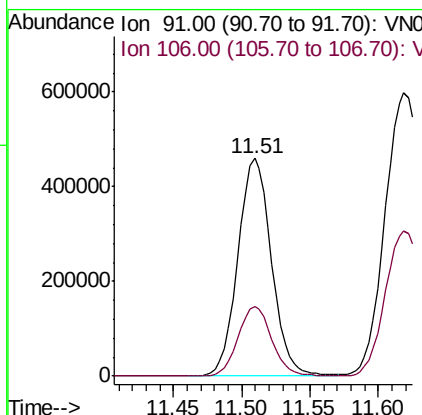
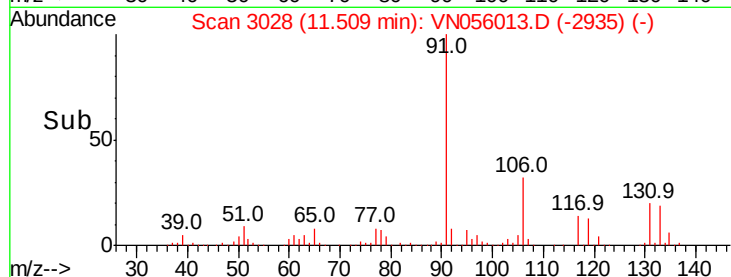
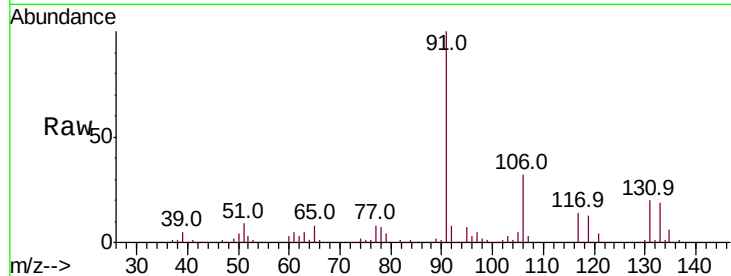
#67
Ethyl Benzene
Concen: 49.563 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 787719
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

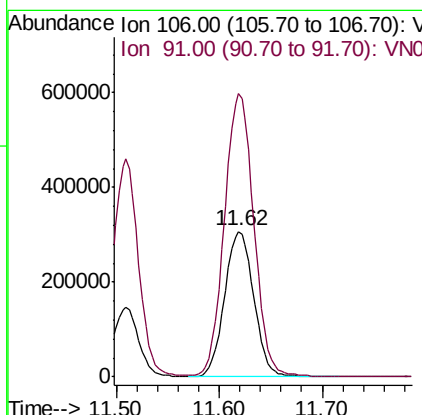
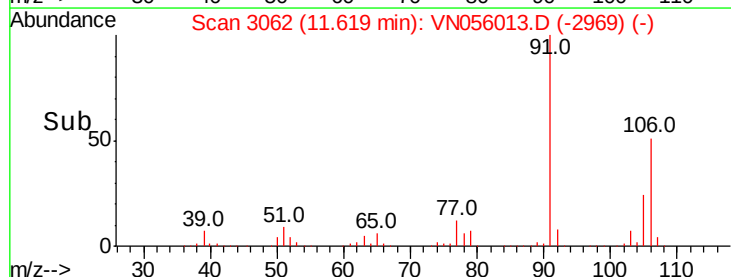
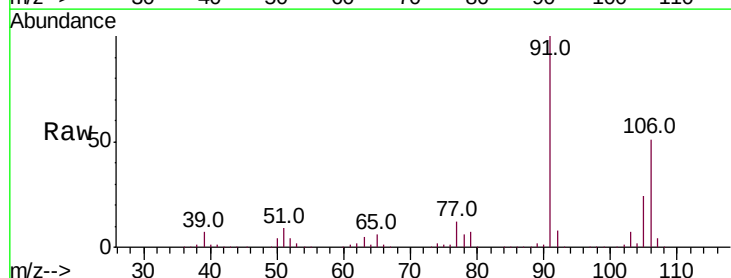
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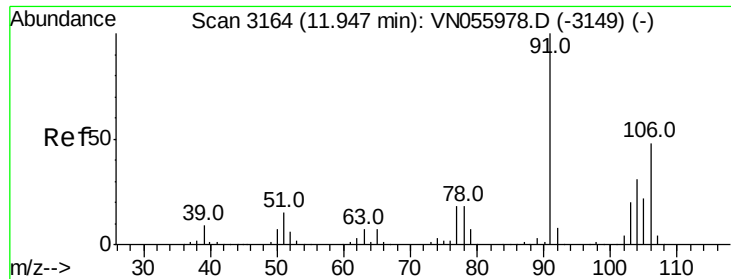
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6/6/2019 12:05:02 PM



#68
m/p-Xylenes
Concen: 100.007 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion: 106 Resp: 607188
Ion Ratio Lower Upper
106 100
91 196.2 159.3 238.9





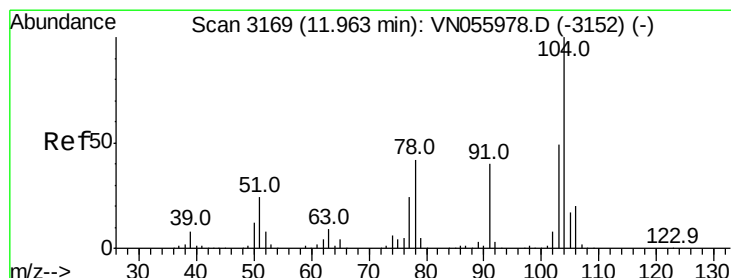
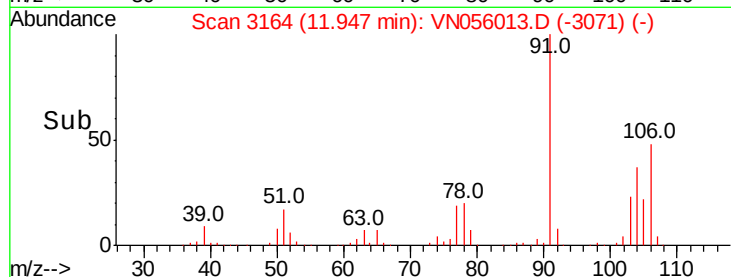
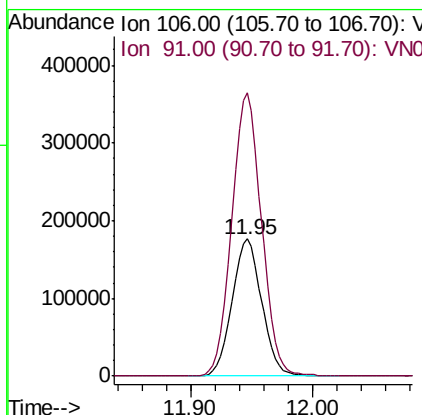
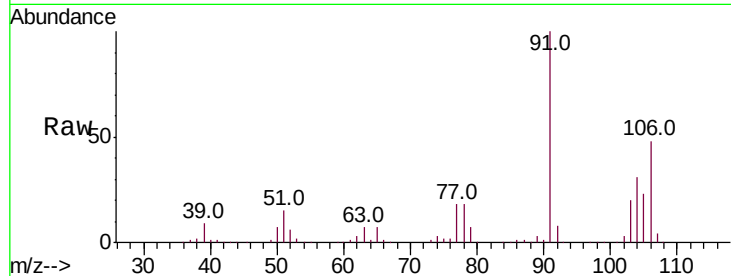
#69
o-Xylene
Concen: 49.927 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 298174
Ion Ratio Lower Upper
106 100
91 207.1 104.7 314.1

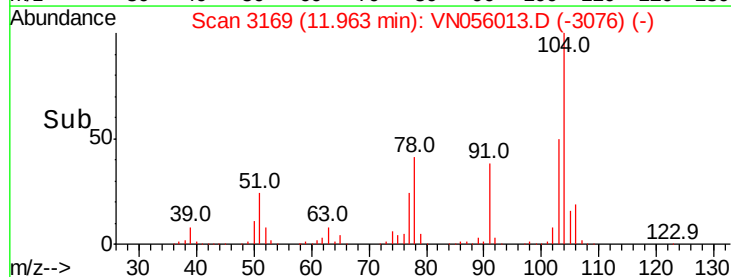
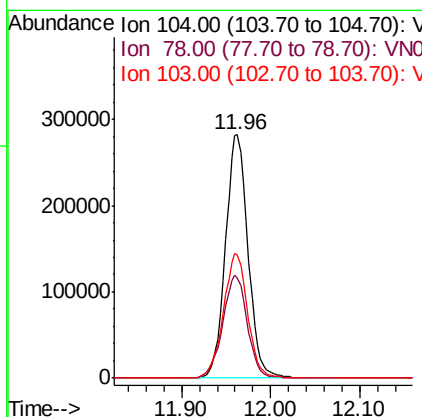
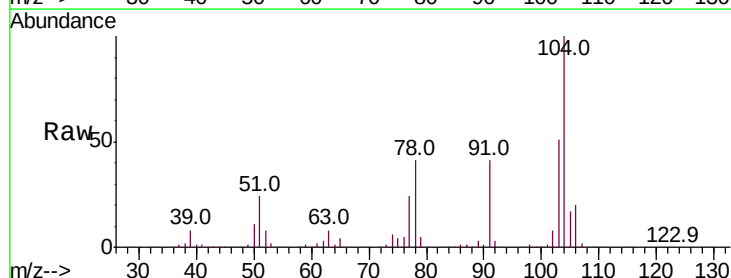
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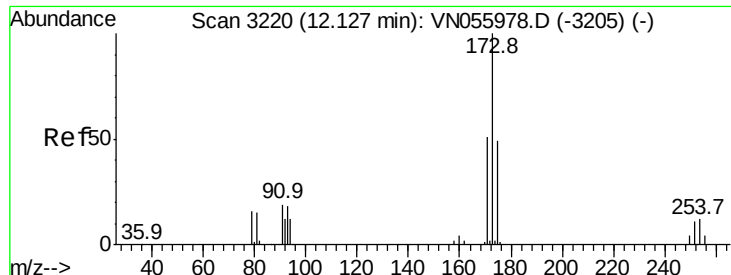
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6/6/2019 12:05:02 PM



#70
Styrene
Concen: 51.960 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion:104 Resp: 493052
Ion Ratio Lower Upper
104 100
78 46.0 37.8 56.6
103 54.9 44.2 66.2





#71

Bromoform

Concen: 47.127 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 124429

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.8

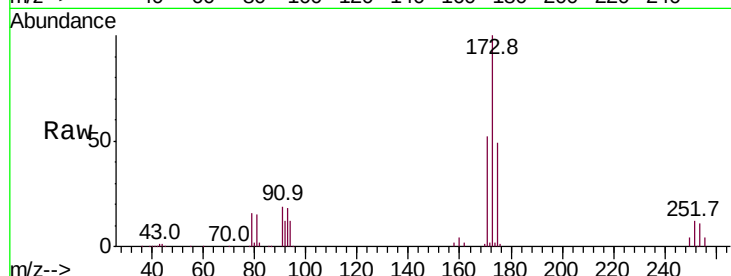
254 0.0 0.0 0.0

Manual Integrations

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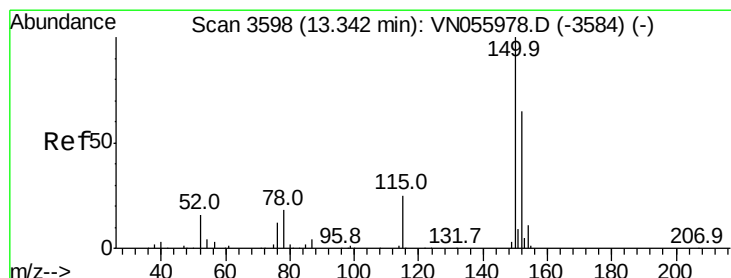
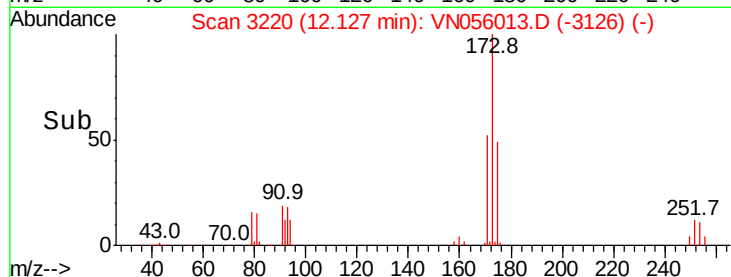
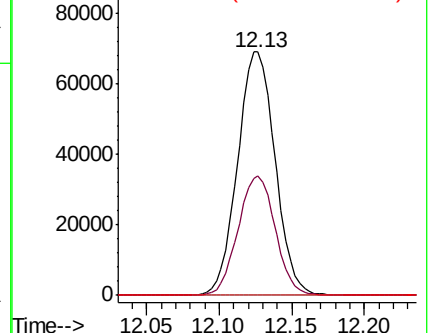
6/6/2019 12:05:02 PM



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: VN056013.D

Acq: 5 Jun 2019 17:13

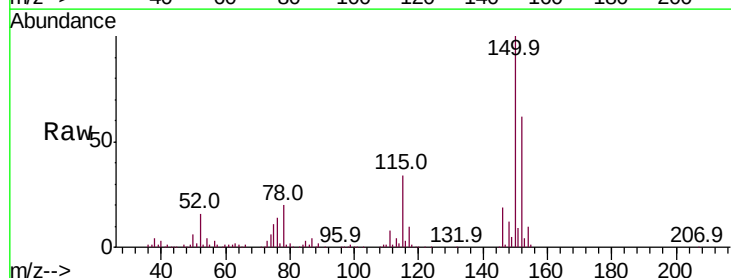
Tgt Ion:152 Resp: 204316

Ion Ratio Lower Upper

152 100

115 53.8 27.0 81.0

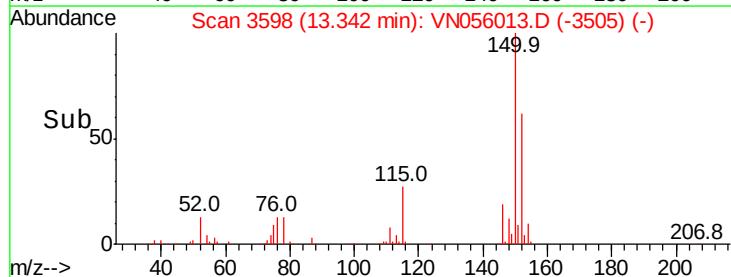
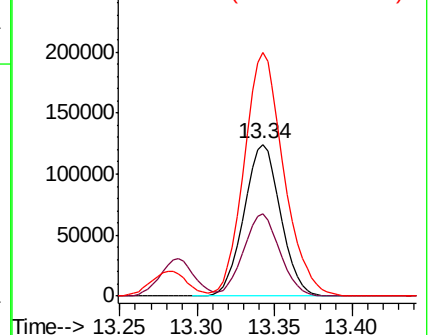
150 173.7 0.0 343.2

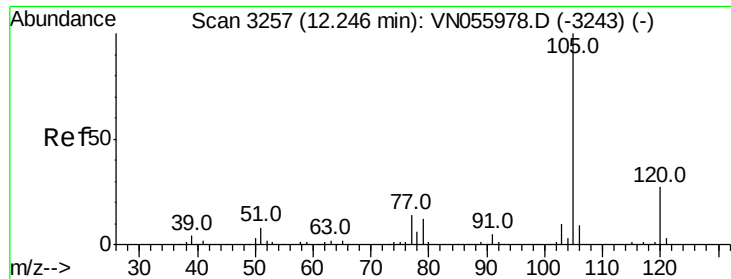


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.420 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 775586

Ion Ratio Lower Upper

105 100

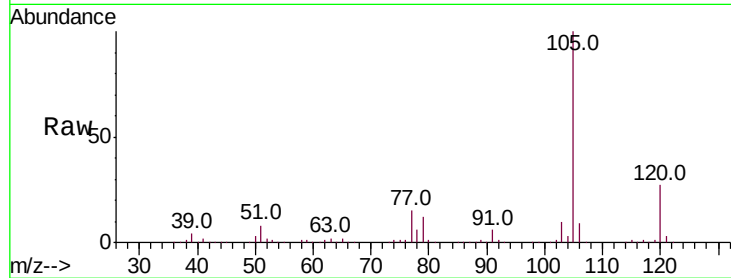
120 27.2 13.6 40.7

Manual Integrations

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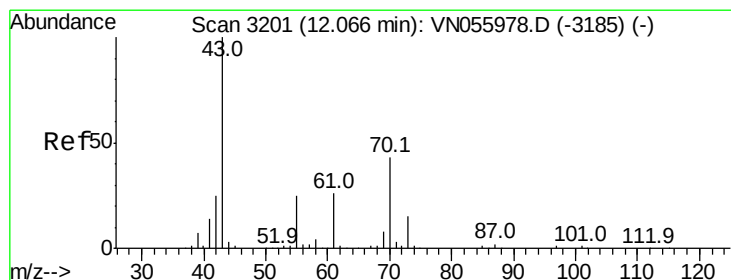
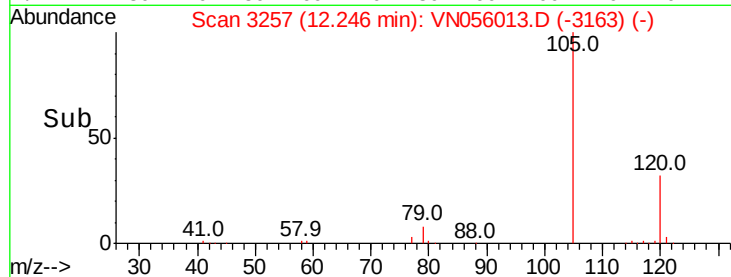
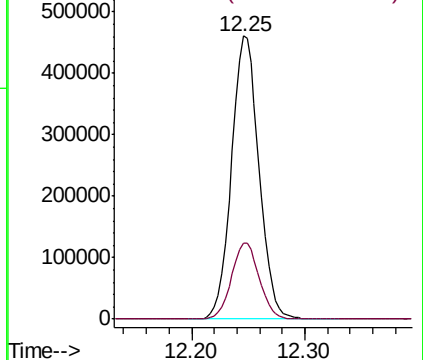
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.058 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tgt Ion: 43 Resp: 272632

Ion Ratio Lower Upper

43 100

70 44.2 34.0 51.0

55 24.8 18.6 28.0

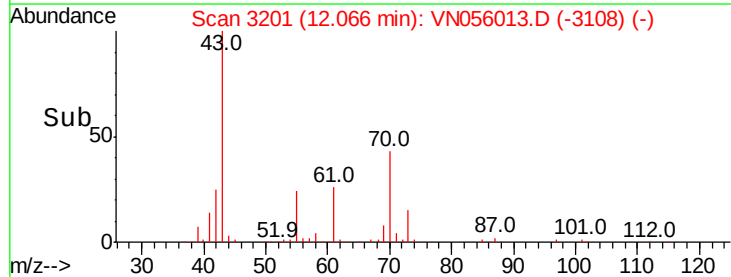
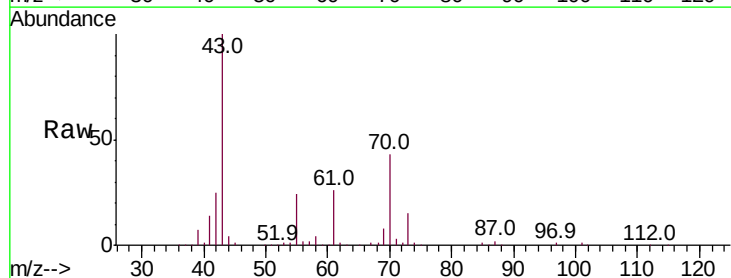
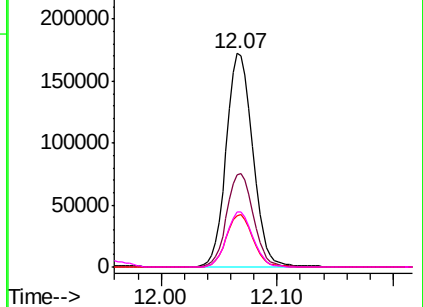
61 25.7 20.0 30.0

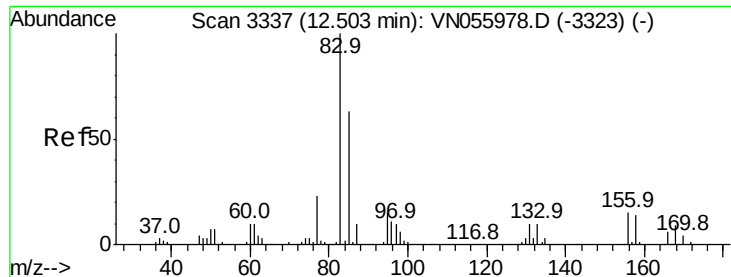
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 48.767 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

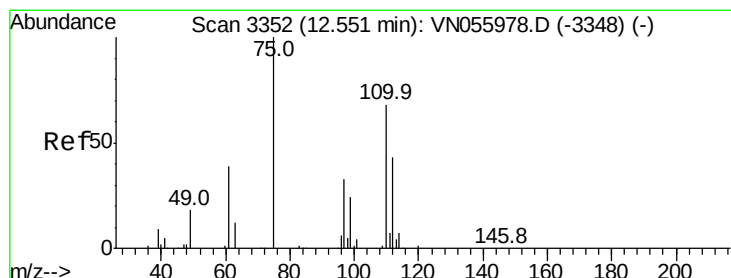
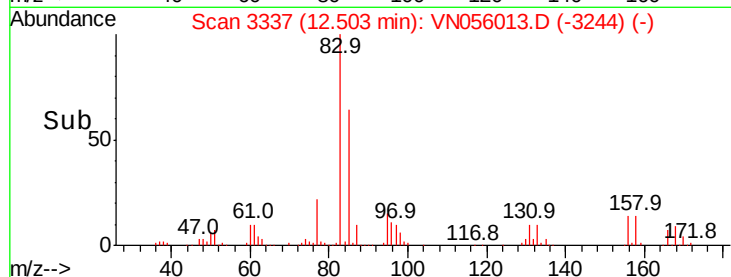
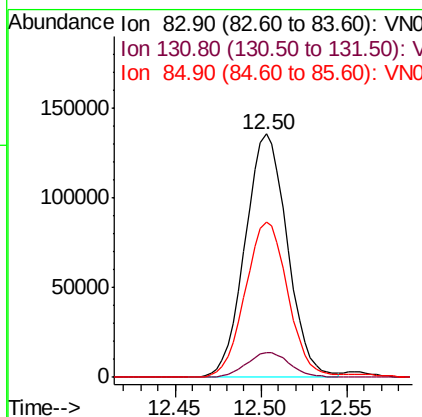
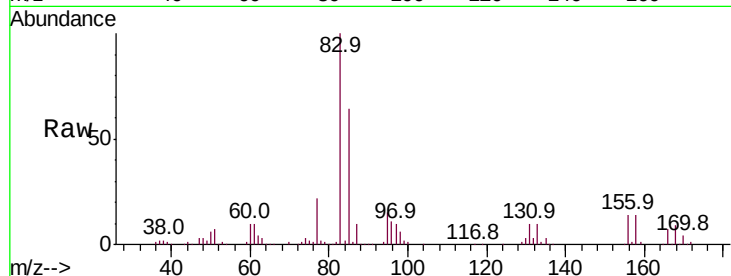
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	231307
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	64.4	32.4	97.0

Manual Integrations
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6/6/2019 12:05:02 PM



#76

1,2,3-Trichloropropane

Concen: 53.067 ug/l m

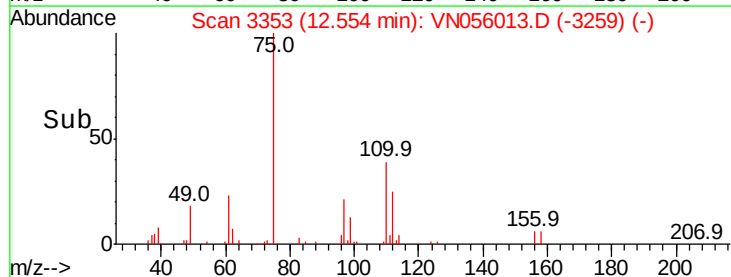
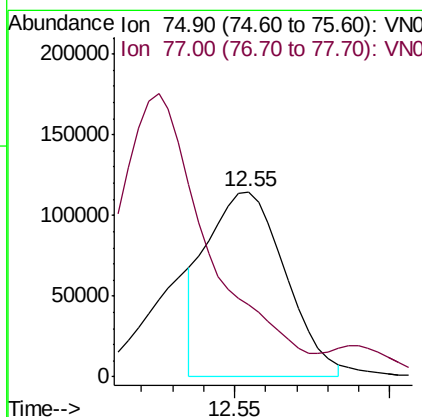
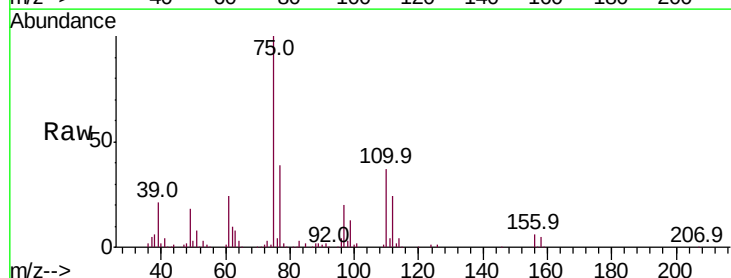
RT: 12.55 min Scan# 3353

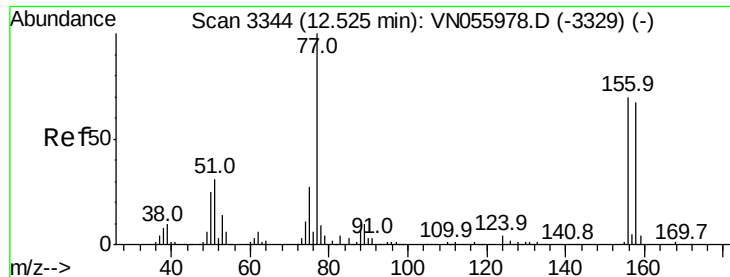
Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tgt Ion:	75	Resp:	199504
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.583 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

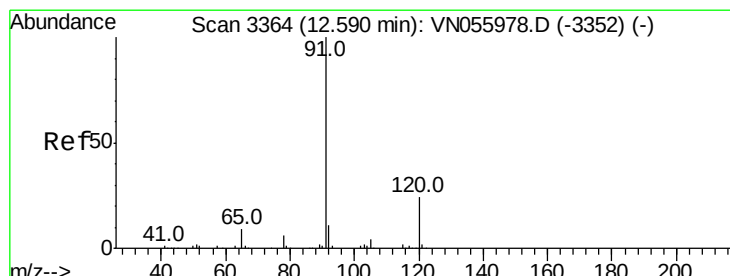
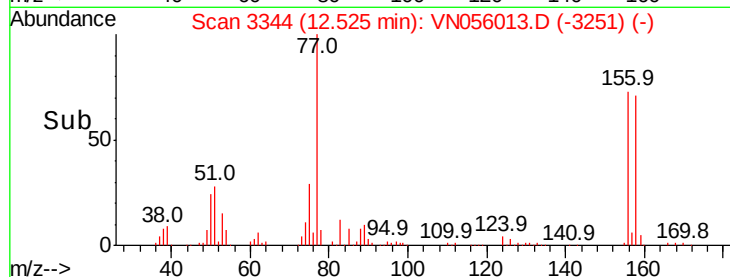
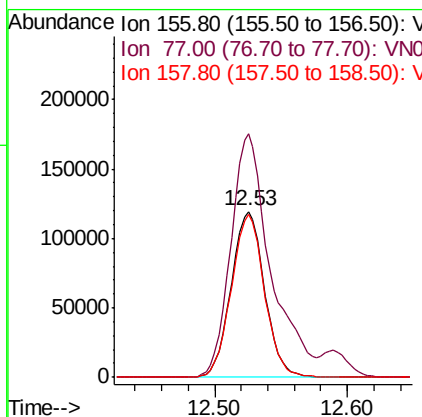
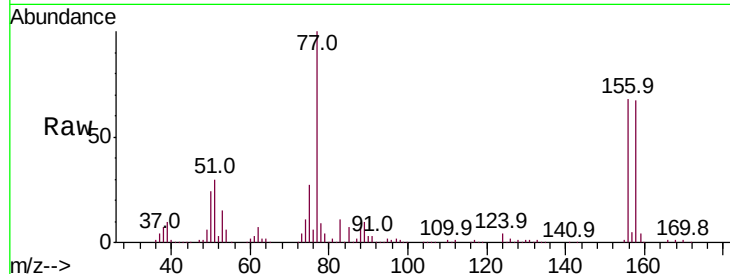
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	208147
Ion Ratio	Lower	Upper	
156	100		
77	176.2	90.8	272.5
158	97.4	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 48.031 ug/l

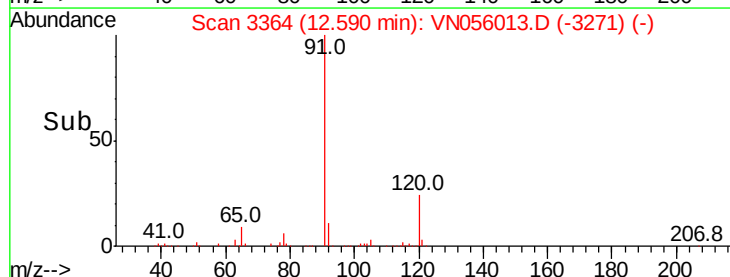
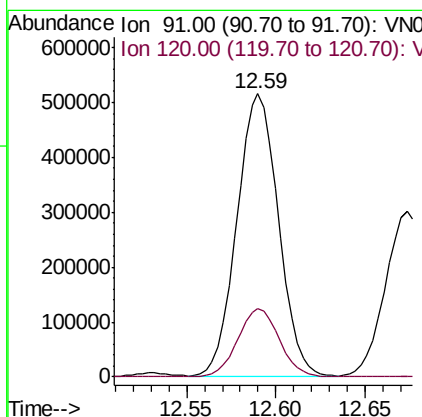
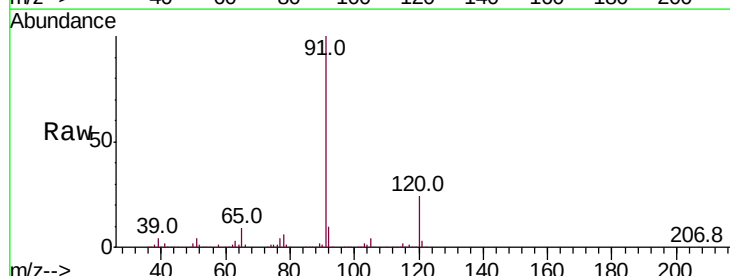
RT: 12.59 min Scan# 3364

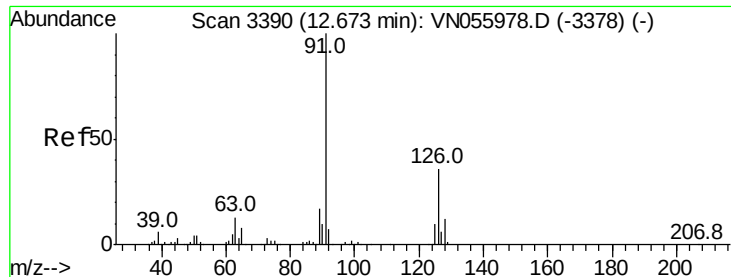
Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tgt Ion:	91	Resp:	830213
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 52.197 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 499462

Ion Ratio Lower Upper

91 100

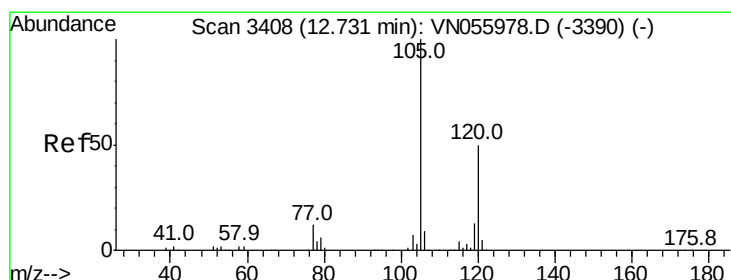
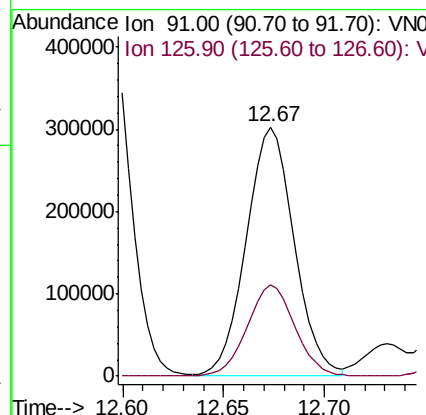
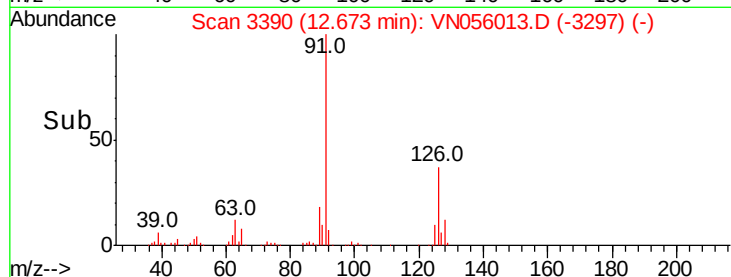
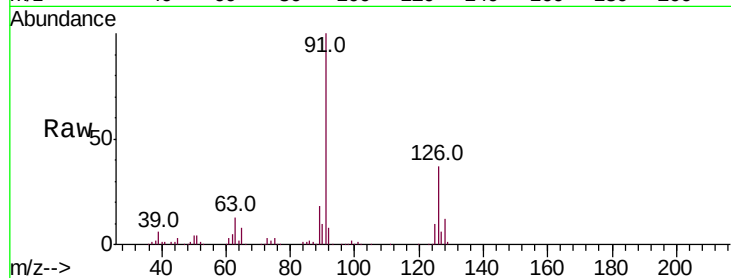
126 36.7 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.392 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056013.D

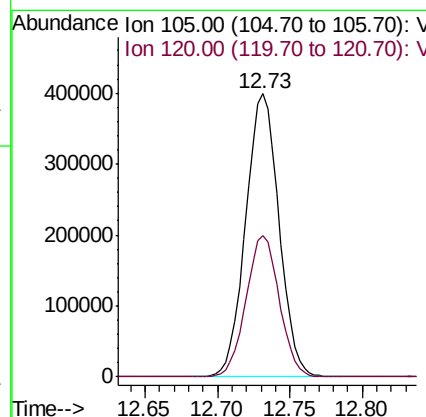
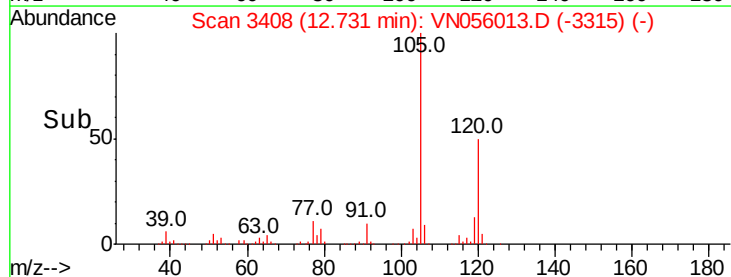
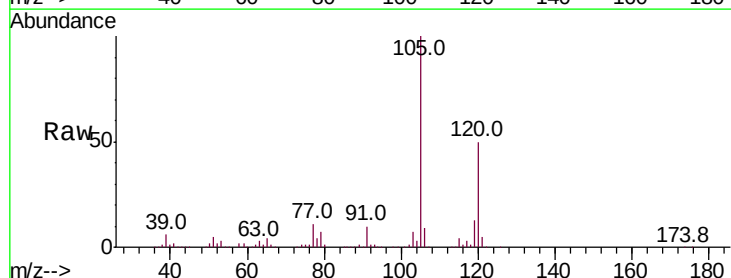
Acq: 5 Jun 2019 17:13

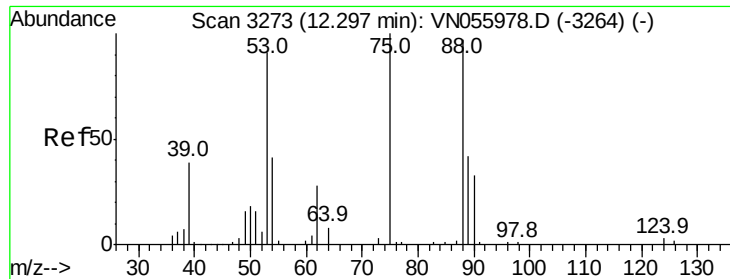
Tgt Ion: 105 Resp: 637308

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 55.416 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

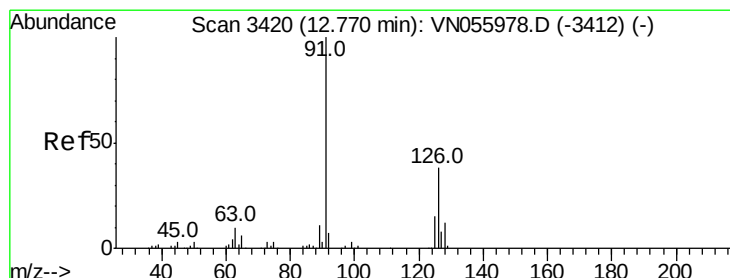
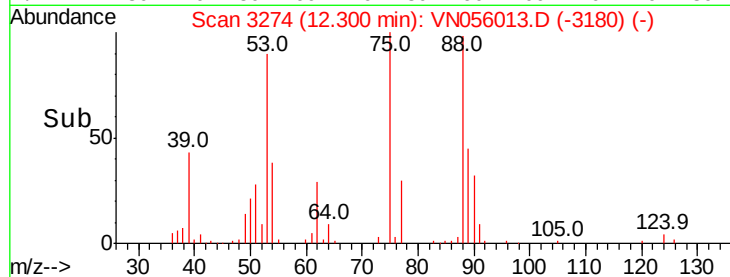
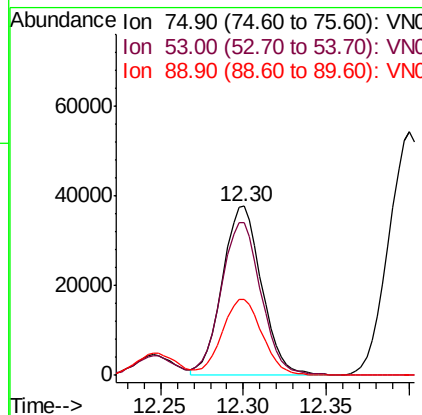
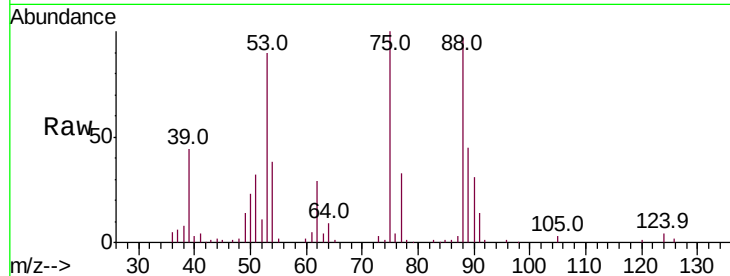
ClientSampled :

VSTDCCC050EC

Tot Ion:	75	Resp:	62560
Ion	Ratio	Lower	Upper
75	100		
53	91.5	68.1	102.1
89	45.4	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.764 ug/l

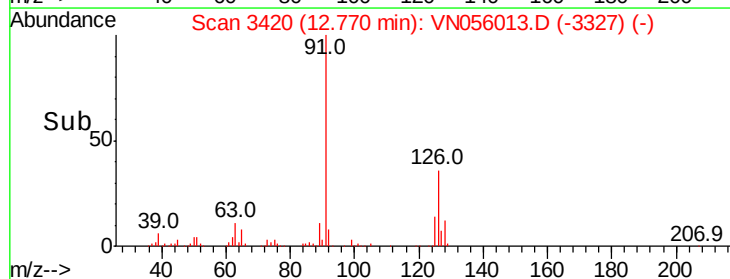
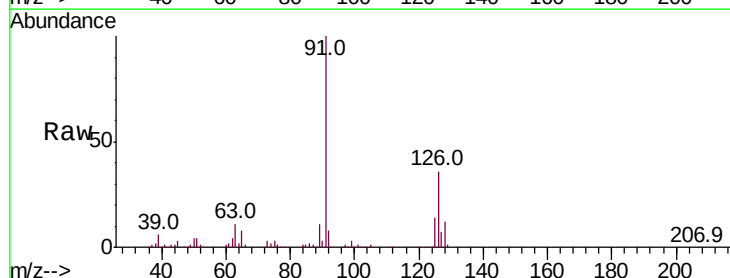
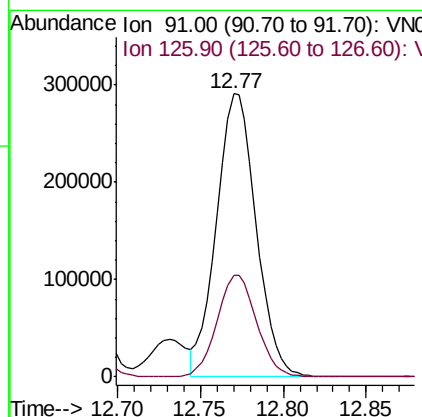
RT: 12.77 min Scan# 3420

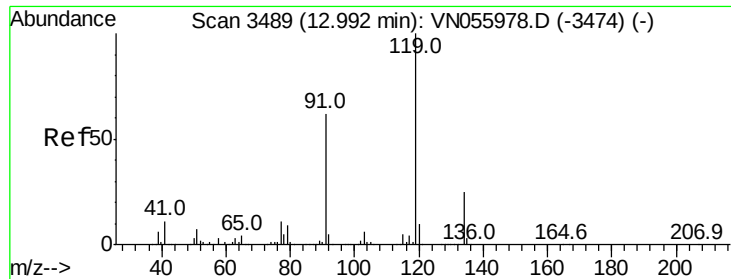
Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tgt Ion:	91	Resp:	483016
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.3





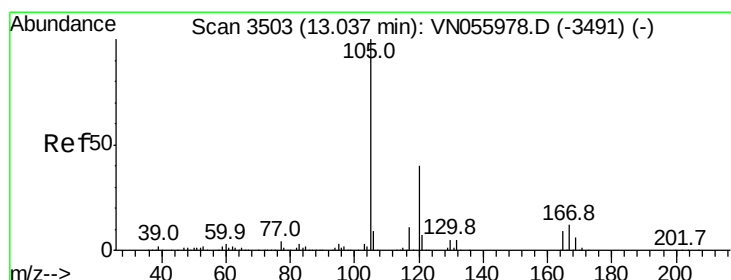
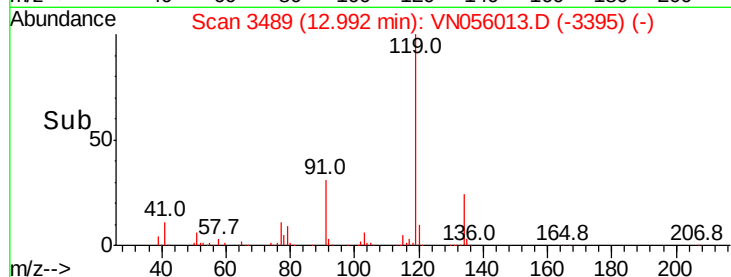
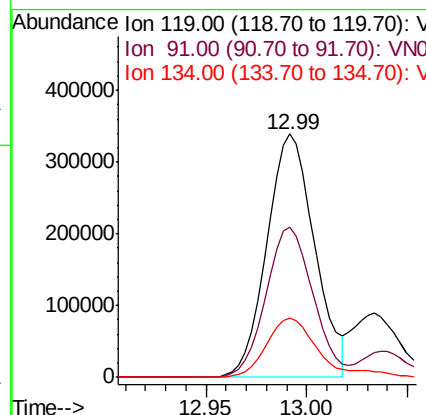
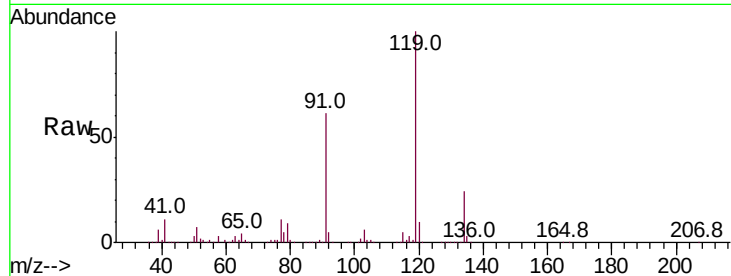
#83
tert-Butylbenzene
Concen: 52.594 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.9	92.8
134	26.7	13.3	39.8

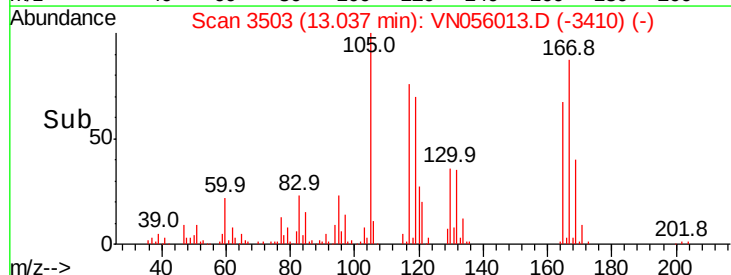
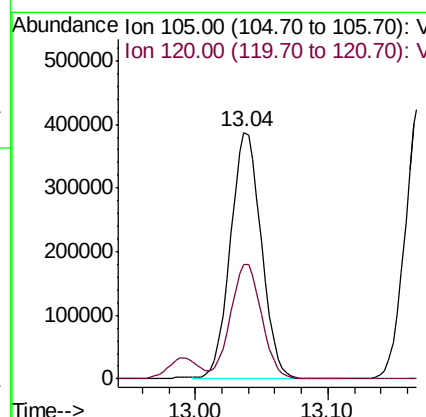
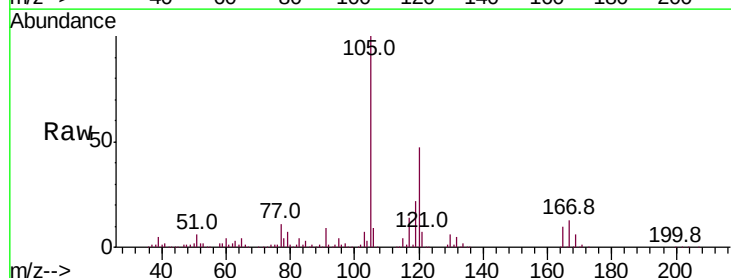
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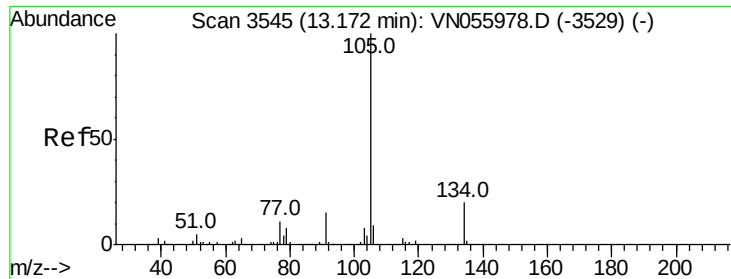
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#84
1,2,4-Trimethylbenzene
Concen: 47.982 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 47.156 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 721833

Ion Ratio Lower Upper

105 100

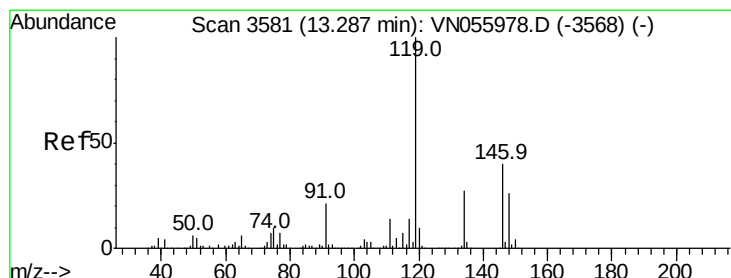
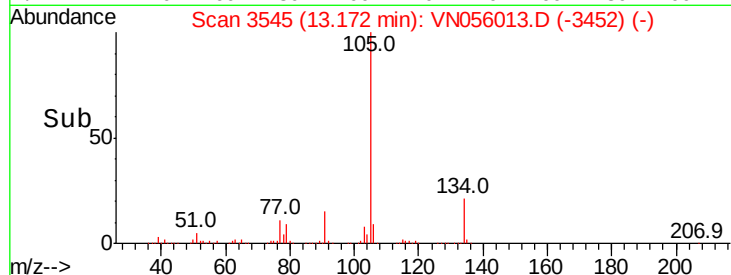
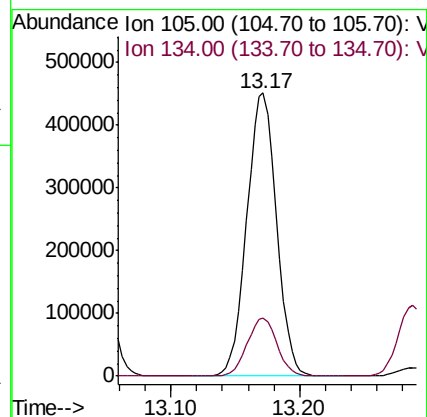
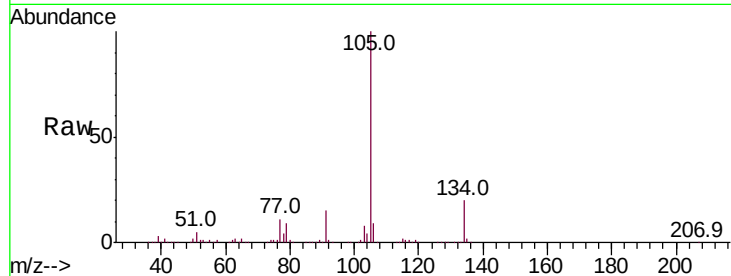
134 20.7 10.4 31.2

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6/6/2019 12:05:02 PM



#86

p-Isopropyltoluene

Concen: 48.129 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

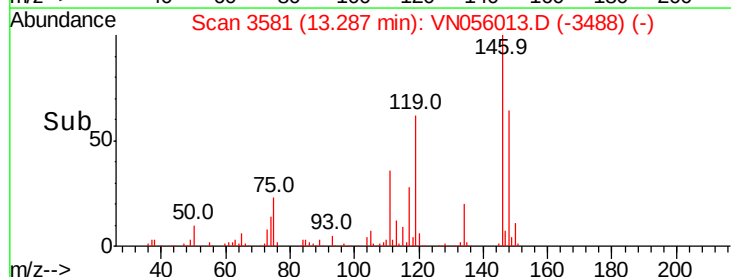
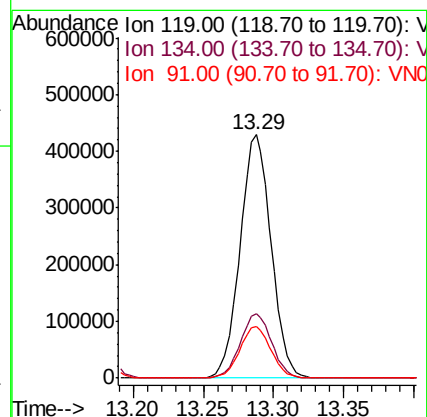
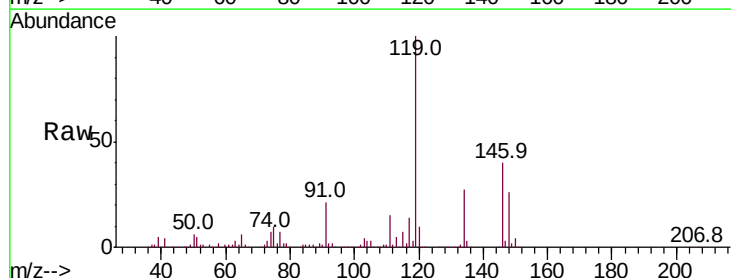
Tgt Ion:119 Resp: 659355

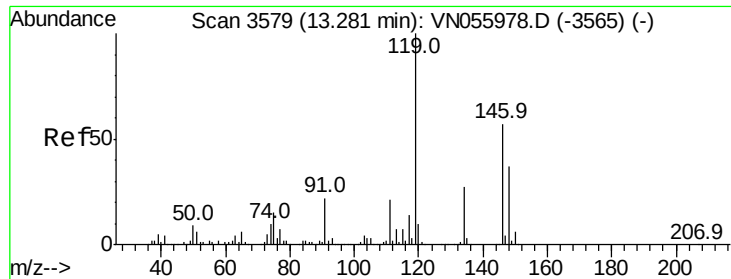
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.1 10.9 32.9





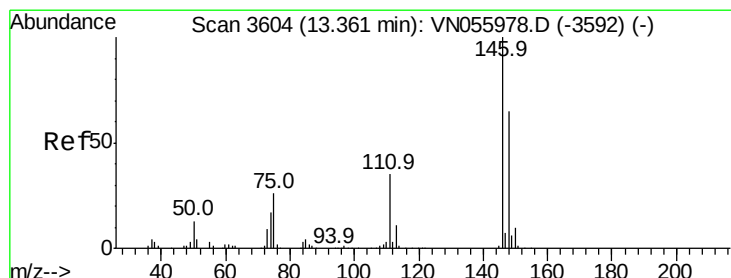
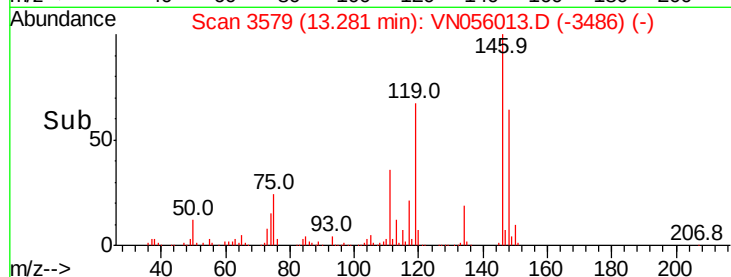
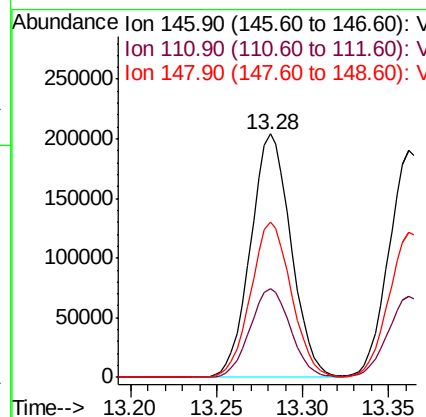
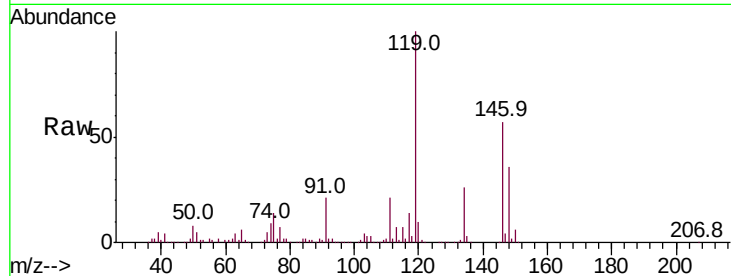
#87
 1,3-Dichlorobenzene
 Concen: 49.176 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.5	55.5
148	64.0	32.0	96.2

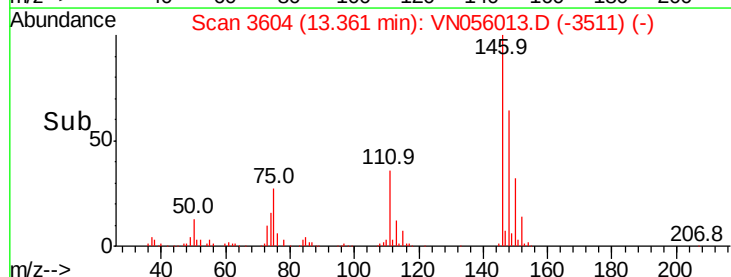
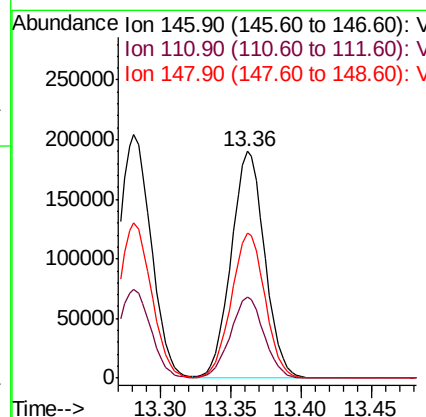
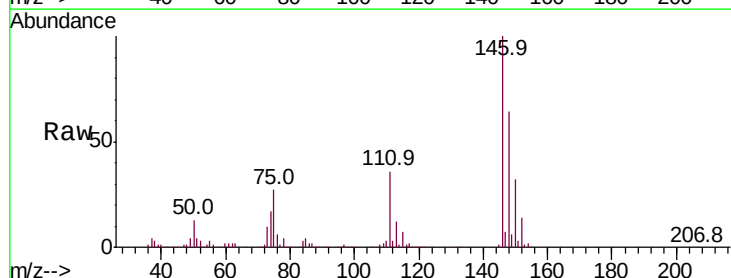
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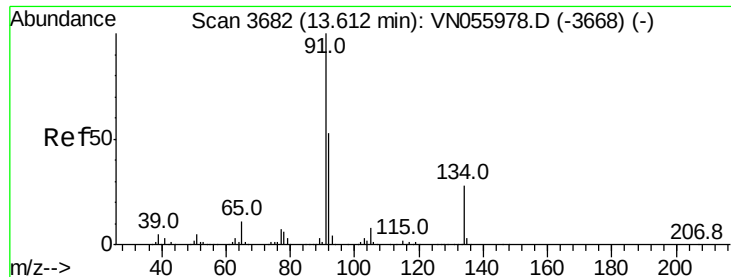
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#88
 1,4-Dichlorobenzene
 Concen: 48.559 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.4
148	64.5	32.1	96.5





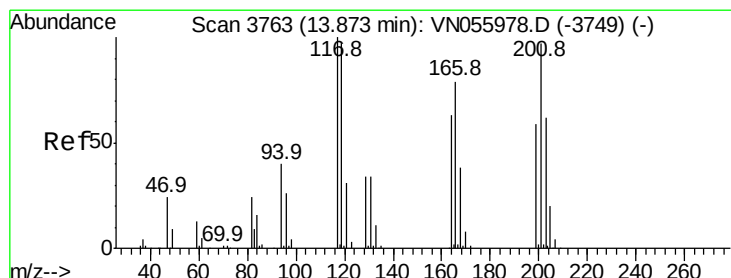
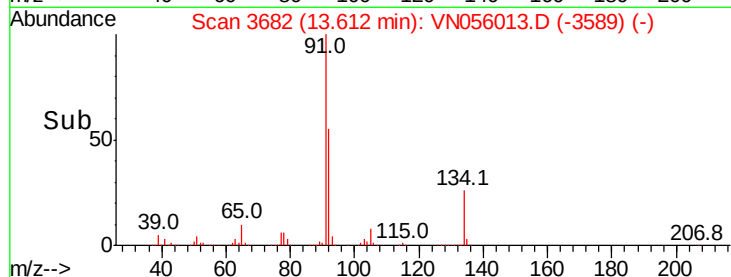
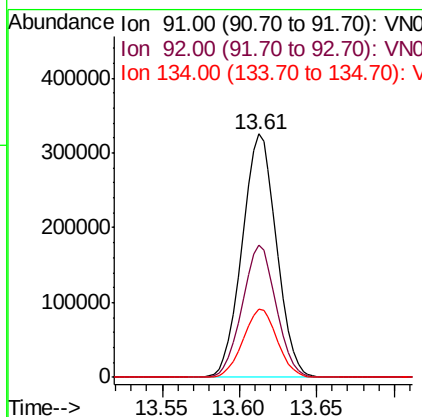
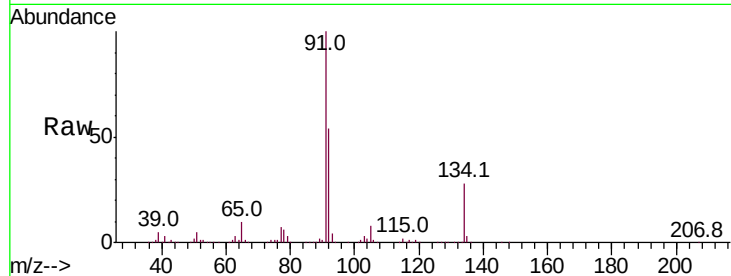
#89
n-Butylbenzene
Concen: 49.483 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.4	79.0
134	27.9	13.9	41.7

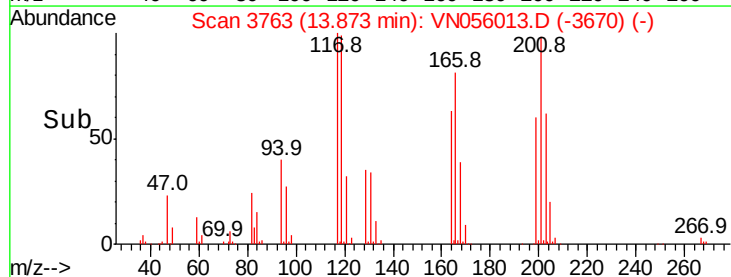
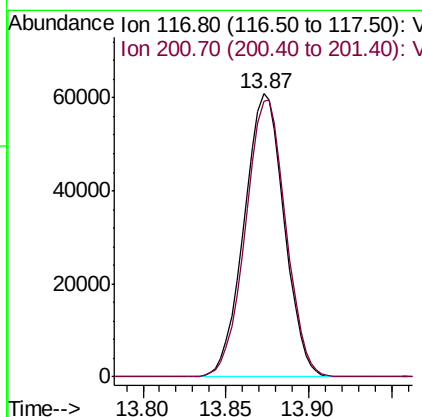
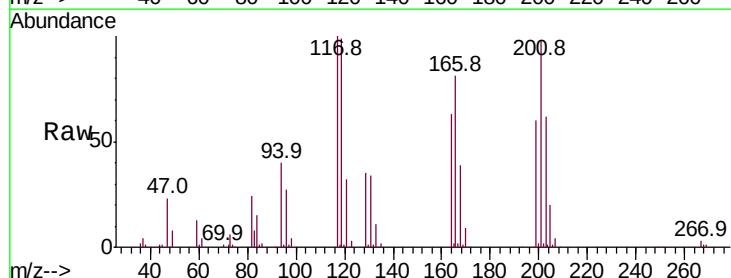
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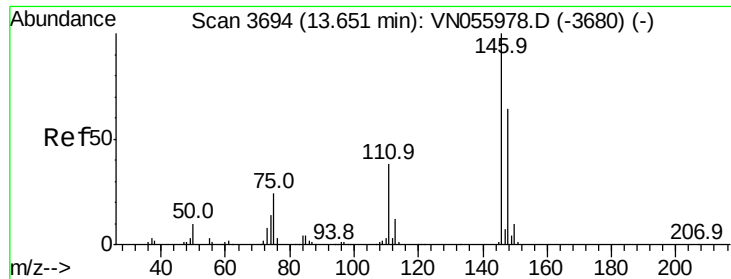
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#90
Hexachloroethane
Concen: 49.449 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.1	50.0	150.0





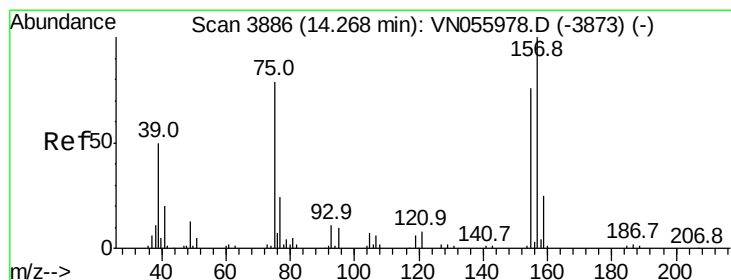
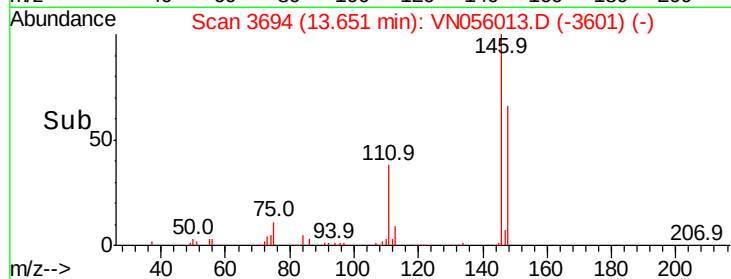
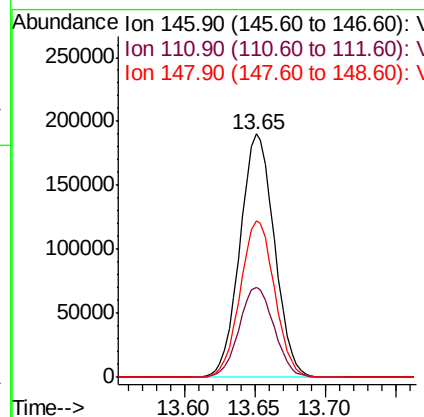
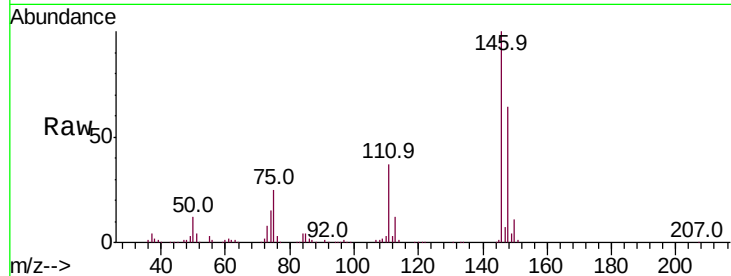
#91
 1,2-Dichlorobenzene
 Concen: 47.604 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	64.3	31.9	95.9

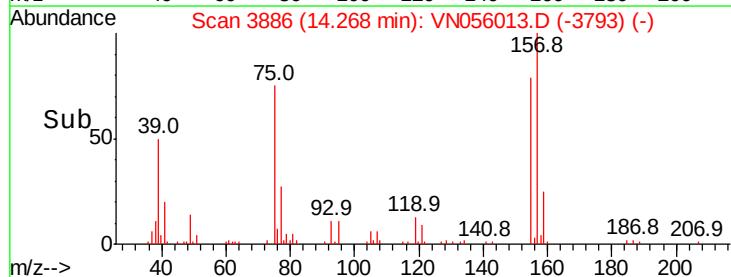
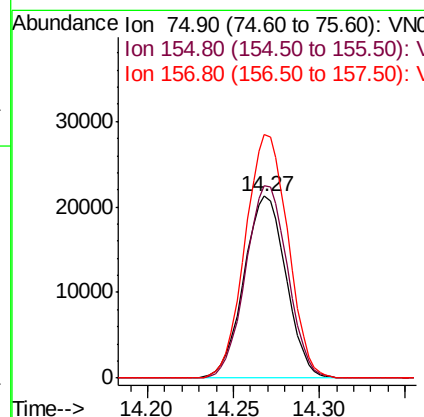
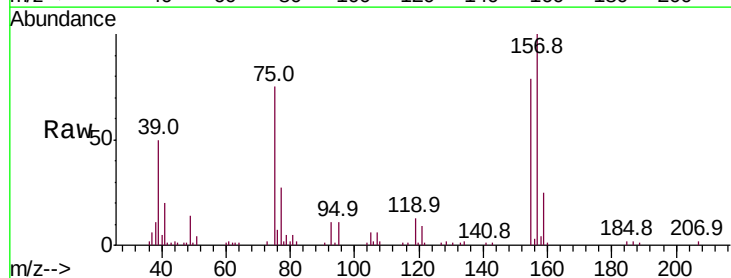
Manual Integrations
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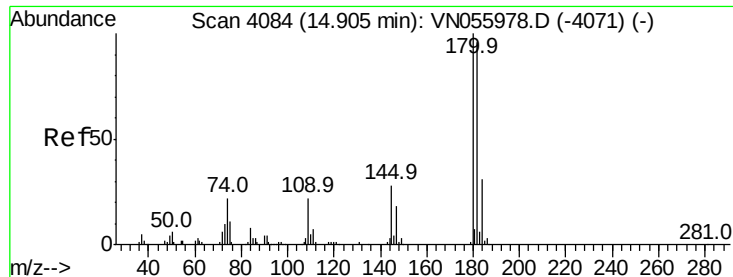
MMDadoda
 6/6/2019 12:05:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.228 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056013.D
 Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	50.0	150.1
157	135.8	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 43.756 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Instrument :

MSVOA_N

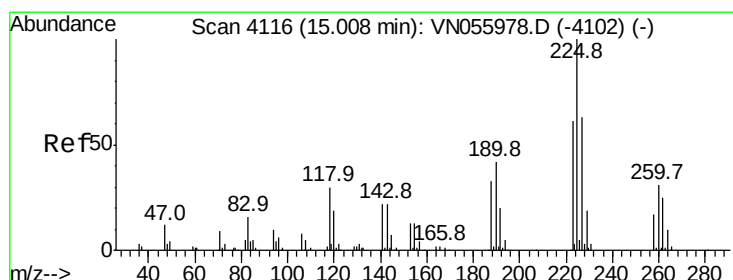
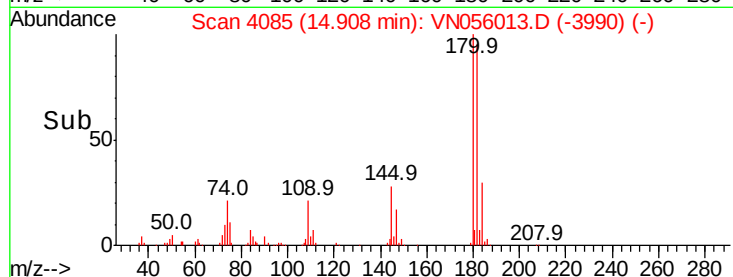
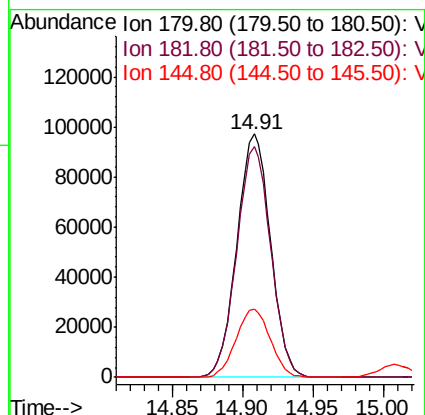
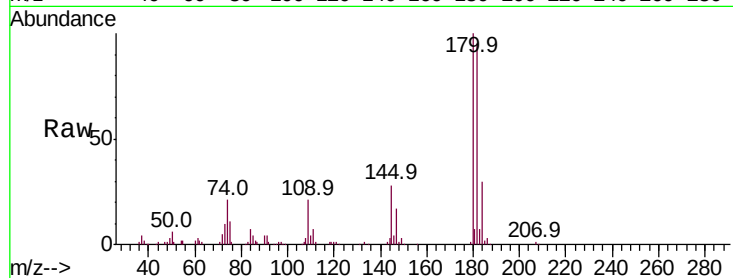
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	162620
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.3	144.9
145	28.4	14.0	41.9

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 49.707 ug/l

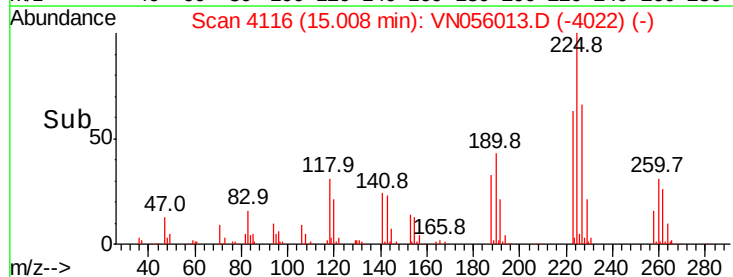
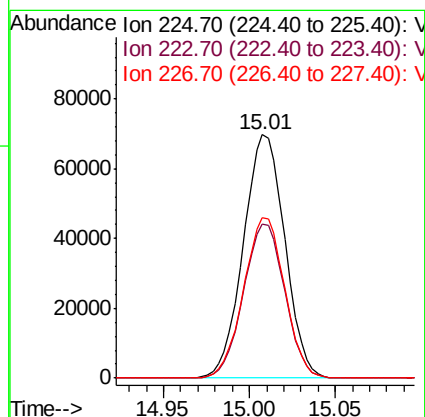
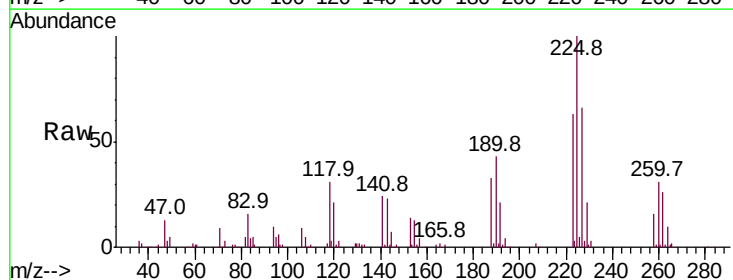
RT: 15.01 min Scan# 4116

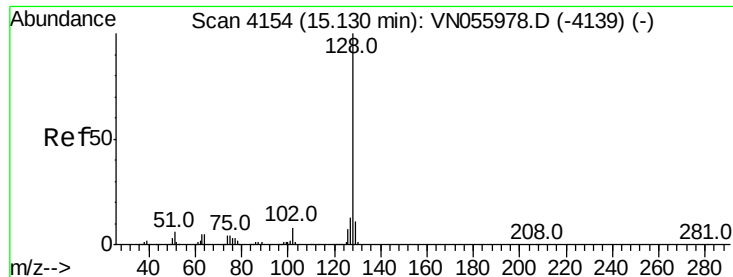
Delta R.T. 0.00 min

Lab File: VN056013.D

Acq: 5 Jun 2019 17:13

Tgt Ion:	225	Resp:	116560
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.9	92.7
227	65.3	31.6	94.7





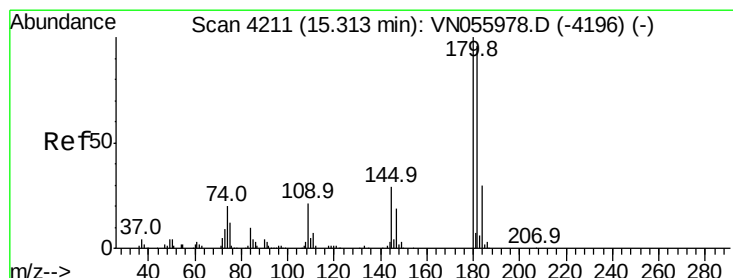
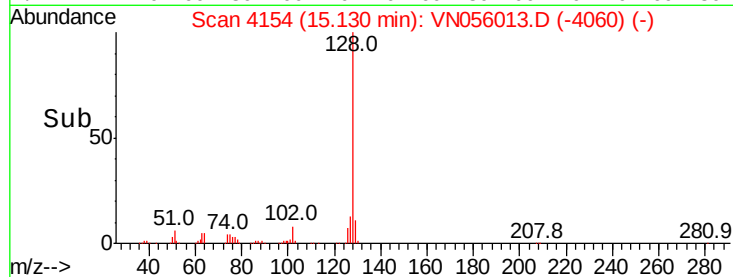
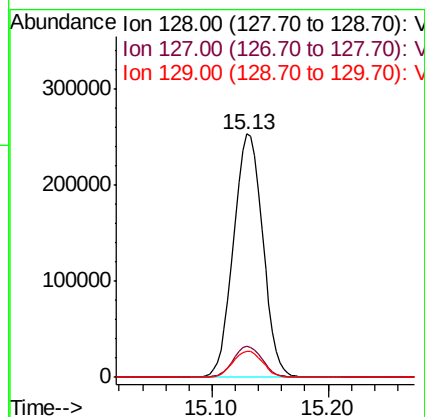
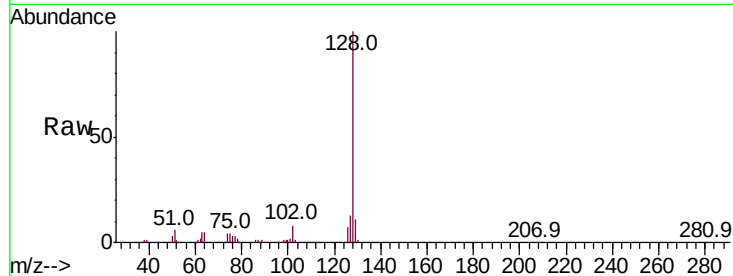
#95
Naphthalene
Concen: 45.501 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/6/2019 12:05:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.564 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056013.D
Acq: 5 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	30.0	14.9	44.7

