

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056127.D
 Acq On : 8 Jun 2019 3:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:15 AM

Quant Time: Jun 08 07:27:34 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	292943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	426422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	392667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175570	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	149713	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	7.59	113	133246	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
50) Toluene-d8	10.09	98	514907	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	177489	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	153965	47.856	ug/l 99
3) Chloromethane	2.06	50	165672	52.172	ug/l 100
4) Vinyl Chloride	2.18	62	165669	52.010	ug/l 99
5) Bromomethane	2.53	94	98292	48.849	ug/l 99
6) Chloroethane	2.68	64	92627	50.154	ug/l 99
7) Trichlorofluoromethane	3.00	101	197221	48.500	ug/l 99
8) Diethyl Ether	3.40	74	81001	48.438	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	123858	50.141	ug/l 99
10) Methyl Iodide	3.94	142	191569	48.801	ug/l 99
11) Tert butyl alcohol	4.82	59	129427	255.697	ug/l 100
12) 1,1-Dichloroethene	3.72	96	123575	50.250	ug/l 97
13) Acrolein	3.60	56	40173	275.187	ug/l 98
14) Allyl chloride	4.31	41	188734	48.602	ug/l 98
15) Acrylonitrile	4.99	53	359112	291.447	ug/l 99
16) Acetone	3.82	43	285425	205.175	ug/l 100
17) Carbon Disulfide	4.04	76	257342	43.704	ug/l 99
18) Methyl Acetate	4.33	43	161171	59.086	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	404217	51.566	ug/l 98
20) Methylene Chloride	4.54	84	147109	51.328	ug/l 97
21) trans-1,2-Dichloroethene	5.03	96	133214	50.557	ug/l 98
22) Diisopropyl ether	5.95	45	417299	51.986	ug/l 99
23) Vinyl Acetate	5.90	43	1672466	264.570	ug/l 100
24) 1,1-Dichloroethane	5.84	63	237120	51.210	ug/l 99
25) 2-Butanone	6.84	43	462104	262.910	ug/l 99
26) 2,2-Dichloropropane	6.82	77	117791	32.600	ug/l 95
27) cis-1,2-Dichloroethene	6.83	96	156909	50.660	ug/l 95
28) Bromochloromethane	7.19	49	116098	53.020	ug/l 99
29) Tetrahydrofuran	7.22	42	305992	281.638	ug/l 100
30) Chloroform	7.37	83	242133	51.982	ug/l 100
31) Cyclohexane	7.65	56	215215	46.629	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	197342	50.734	ug/l 99
36) 1,1-Dichloropropene	7.79	75	178322	48.634	ug/l 99
37) Ethyl Acetate	6.93	43	183324	56.193	ug/l 99
38) Carbon Tetrachloride	7.77	117	162282	48.006	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	213173	46.671	ug/l	98
40) Benzene	8.04	78	566103	50.834	ug/l	99
41) Methacrylonitrile	7.18	41	81207	54.101	ug/l	90
42) 1,2-Dichloroethane	8.12	62	179028	49.977	ug/l	99
43) Isopropyl Acetate	8.17	43	281787	53.302	ug/l #	92
44) Trichloroethene	8.83	130	166465	52.020	ug/l	97
45) 1,2-Dichloropropane	9.12	63	148803	52.166	ug/l	99
46) Dibromomethane	9.21	93	97345	52.187	ug/l	100
47) Bromodichloromethane	9.40	83	172177	50.929	ug/l	99
48) Methyl methacrylate	9.20	41	143846	55.617	ug/l	97
49) 1,4-Dioxane	9.20	88	61445	1100.439	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	931767	281.841	ug/l	99
52) Toluene	10.16	92	354884	51.212	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	172529	43.838	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	203116	49.983	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	146462	53.356	ug/l	99
56) Ethyl methacrylate	10.43	69	216853	54.151	ug/l	99
57) 1,3-Dichloropropane	10.71	76	238783	53.511	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	402089	253.048	ug/l	100
59) 2-Hexanone	10.75	43	652171	272.178	ug/l	99
60) Dibromochloromethane	10.90	129	141877	47.017	ug/l	98
61) 1,2-Dibromoethane	11.01	107	152806	54.453	ug/l	99
64) Tetrachloroethene	10.63	164	170745	50.234	ug/l	98
65) Chlorobenzene	11.43	112	386906	49.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	138315	51.259	ug/l	100
67) Ethyl Benzene	11.51	91	665819	48.998	ug/l	98
68) m/p-Xylenes	11.62	106	517705	99.730	ug/l	99
69) o-Xylene	11.95	106	254162	49.775	ug/l	99
70) Styrene	11.96	104	424107	52.274	ug/l	100
71) Bromoform	12.13	173	101092	44.918	ug/l #	100
73) Isopropylbenzene	12.25	105	667774	53.530	ug/l	100
74) N-amyl acetate	12.07	43	239443	51.162	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	202934	49.791	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	165168m	51.127	ug/l	
77) Bromobenzene	12.53	156	181206	48.207	ug/l	97
78) n-propylbenzene	12.59	91	712877	47.995	ug/l	100
79) 2-Chlorotoluene	12.67	91	437928	53.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	550988	46.676	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42087	43.385	ug/l	88
82) 4-Chlorotoluene	12.77	91	421031	48.452	ug/l	100
83) tert-Butylbenzene	12.99	119	490064	53.708	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	537188	47.987	ug/l	99
85) sec-Butylbenzene	13.17	105	625165	47.527	ug/l	100
86) p-Isopropyltoluene	13.29	119	560016	47.571	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	287477	49.414	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	273819	48.928	ug/l	99
89) n-Butylbenzene	13.61	91	414484	47.529	ug/l	99
90) Hexachloroethane	13.87	117	83247	46.891	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	285025	48.526	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30987	53.155	ug/l	98

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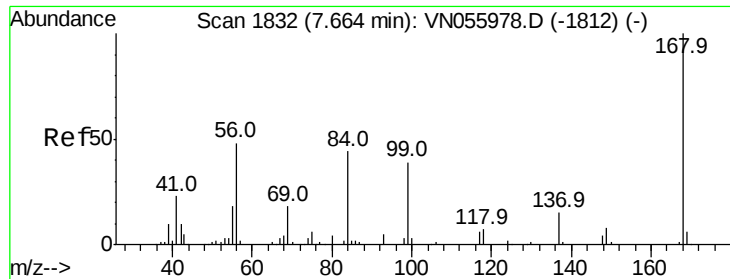
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	133417	41.969	ug/l	100
94) Hexachlorobutadiene	15.01	225	101107	50.197	ug/l	99
95) Naphthalene	15.13	128	366054	44.084	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	148237	45.246	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 292943

Ion Ratio Lower Upper

168 100

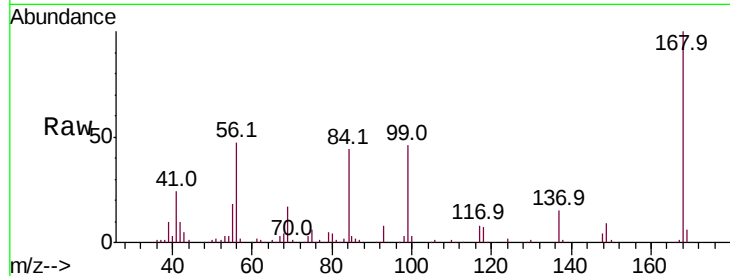
99 45.5 37.2 55.8

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

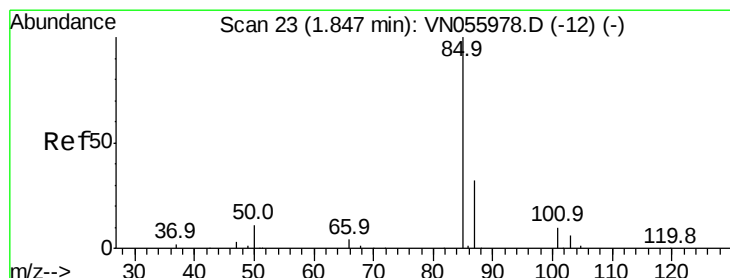
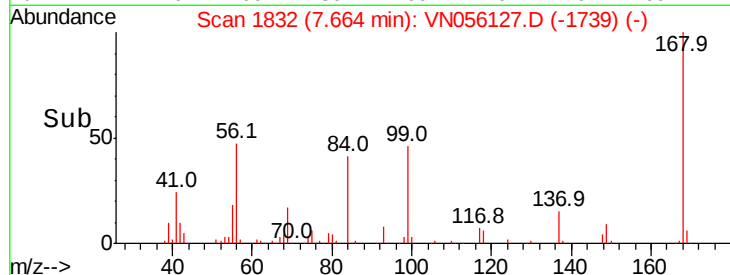
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.856 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056127.D

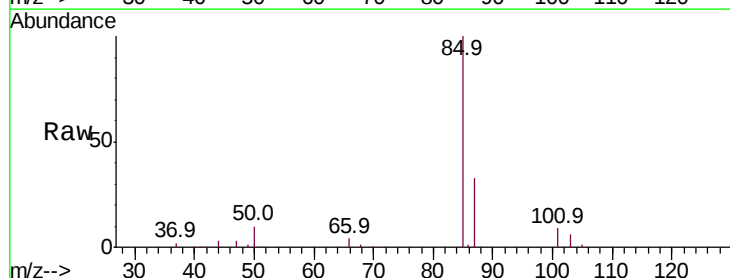
Acq: 8 Jun 2019 3:16

Tgt Ion: 85 Resp: 153965

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

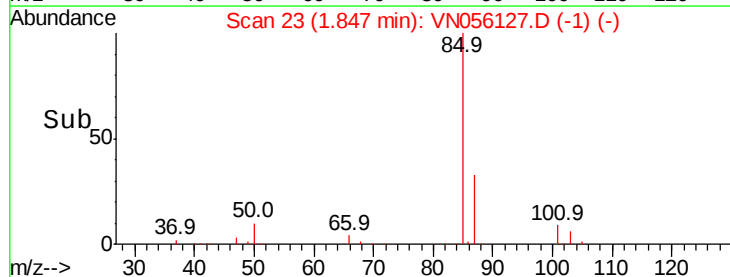
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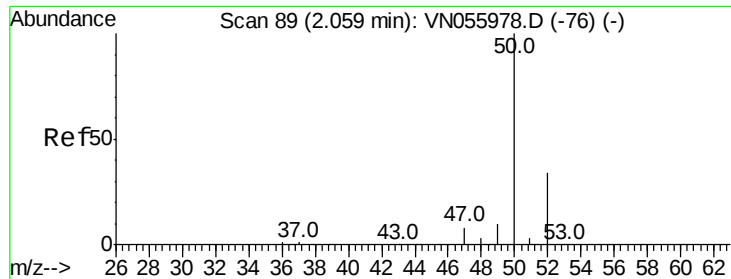
40000

20000

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Time-->





#3

Chloromethane

Concen: 52.172 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 165672

Ion Ratio Lower Upper

50 100

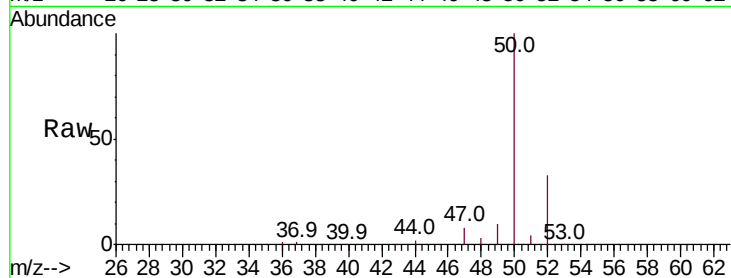
52 33.1 26.6 40.0

Manual Integrations

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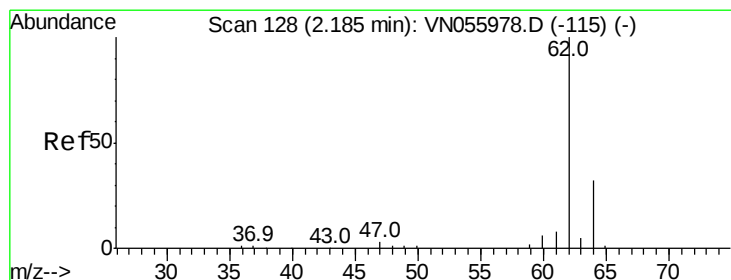
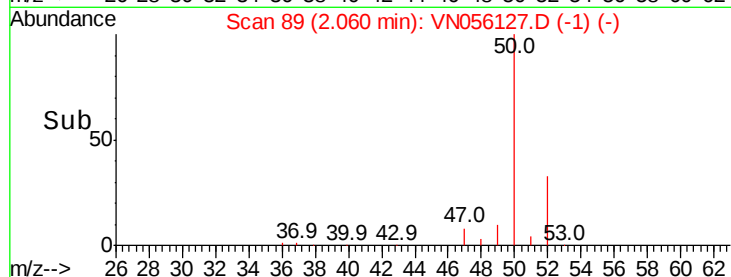
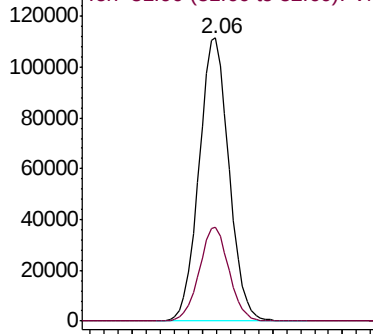
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 52.010 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056127.D

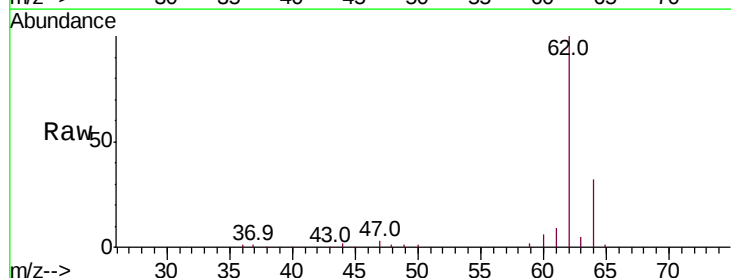
Acq: 8 Jun 2019 3:16

Tgt Ion: 62 Resp: 165669

Ion Ratio Lower Upper

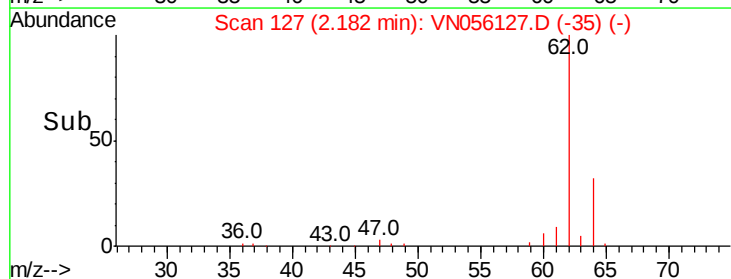
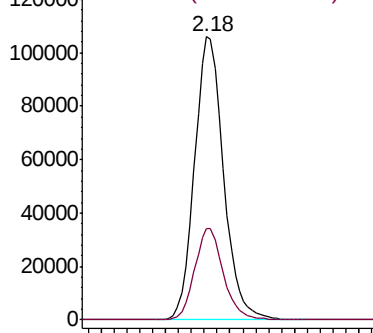
62 100

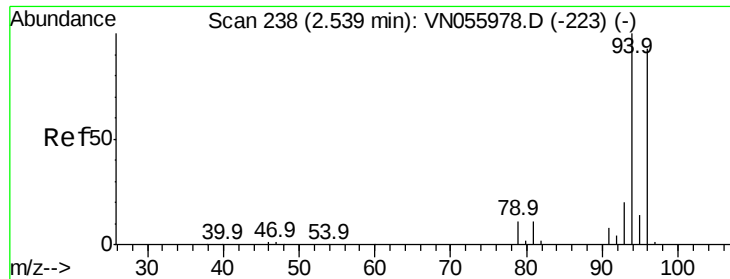
64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 48.849 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 98292

Ion Ratio Lower Upper

94 100

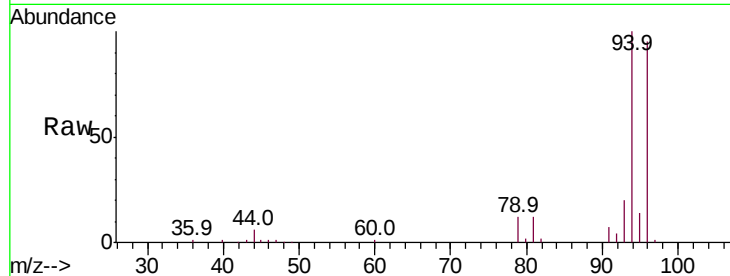
96 95.2 75.5 113.3

Manual Integrations

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6/10/2019 11:26:15 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

50000

40000

30000

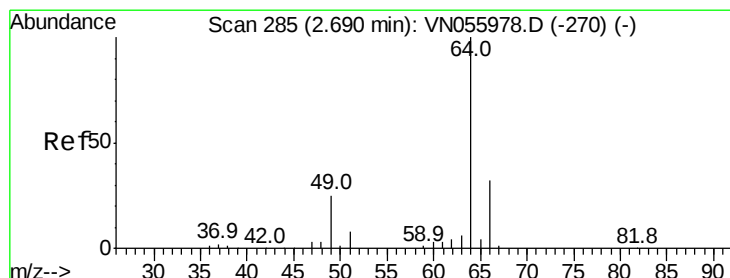
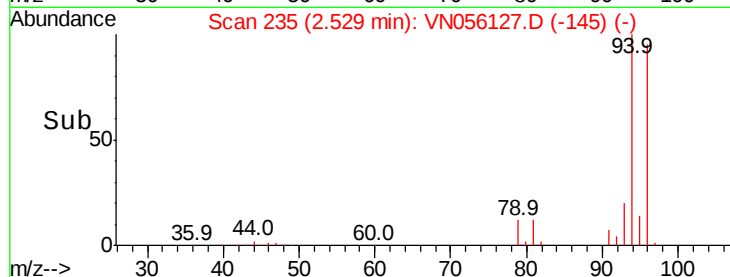
20000

10000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 50.154 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056127.D

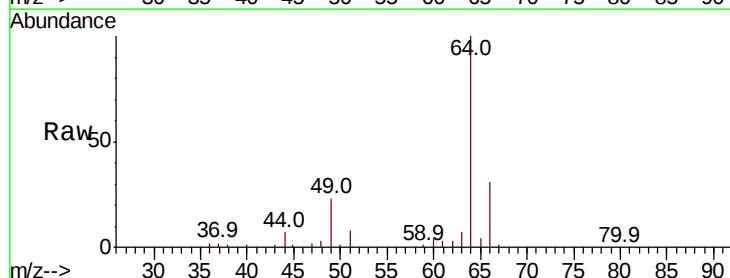
Acq: 8 Jun 2019 3:16

Tgt Ion: 64 Resp: 92627

Ion Ratio Lower Upper

64 100

66 31.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

50000

40000

30000

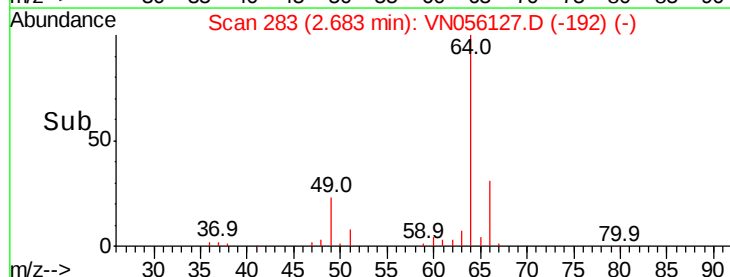
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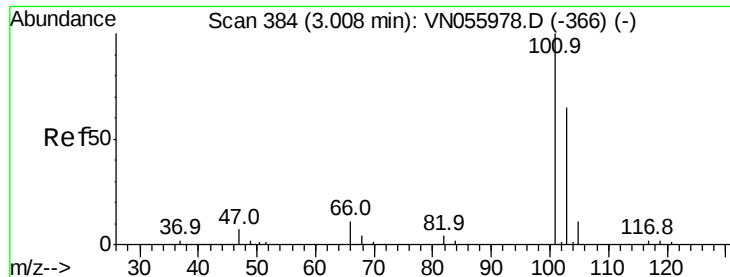
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Time-->

2.60 2.70 2.80





#7

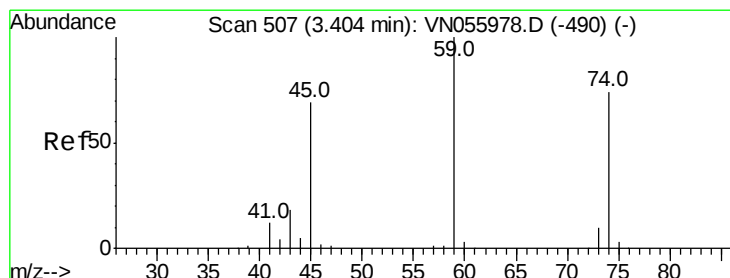
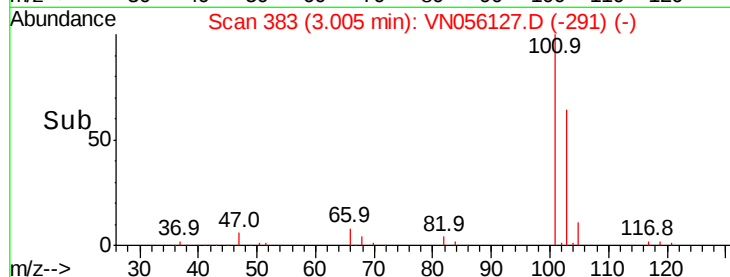
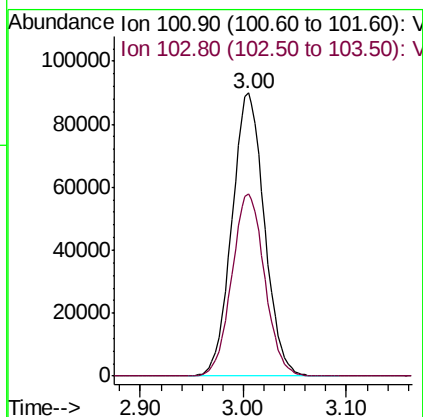
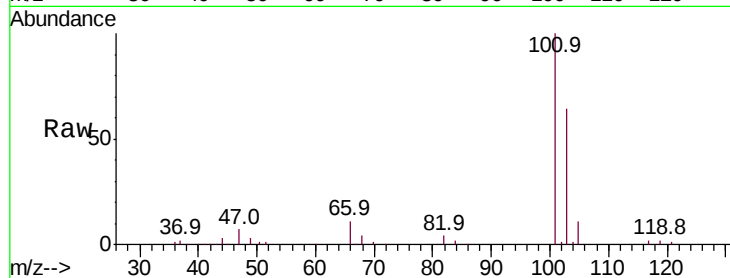
Trichlorofluoromethane
 Concen: 48.500 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.2	76.8

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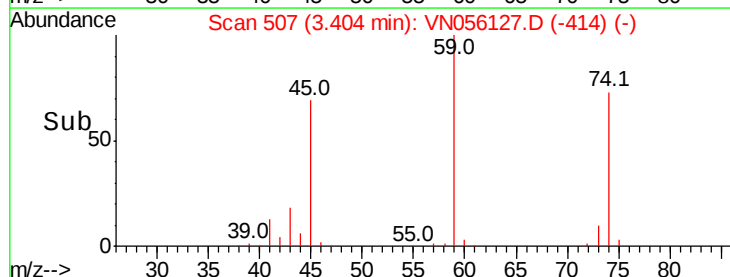
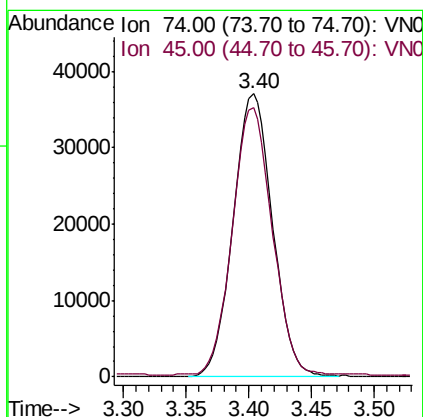
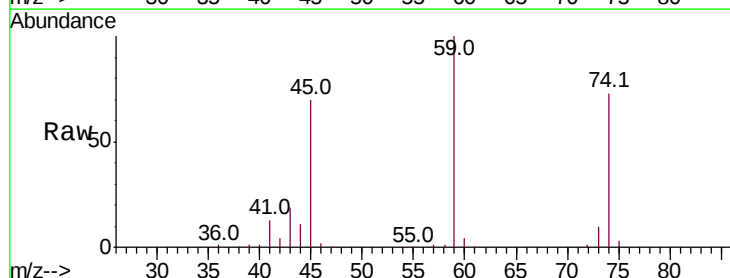
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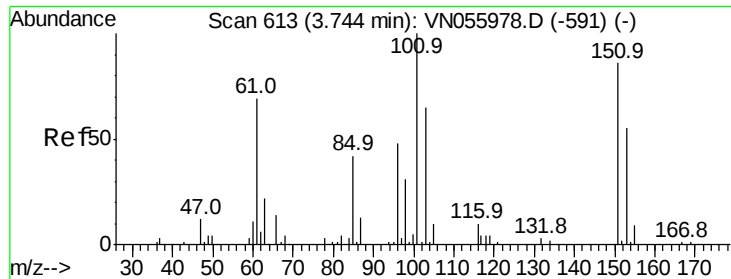


#8

Diethyl Ether
 Concen: 48.438 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.141 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

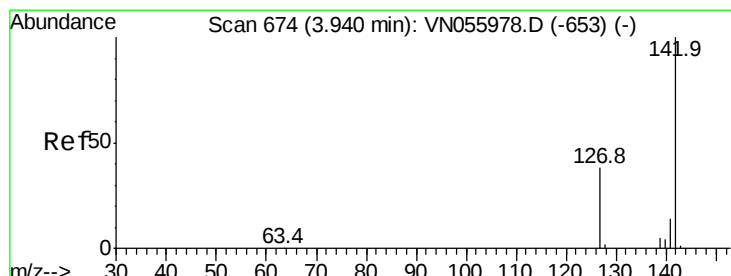
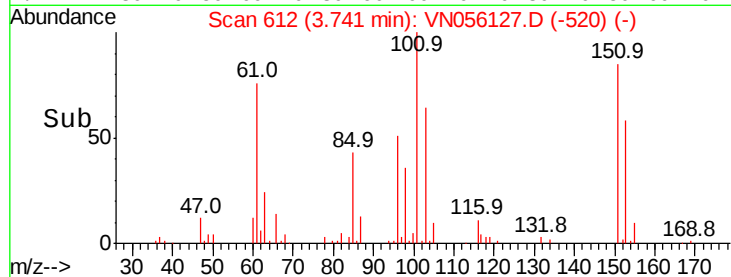
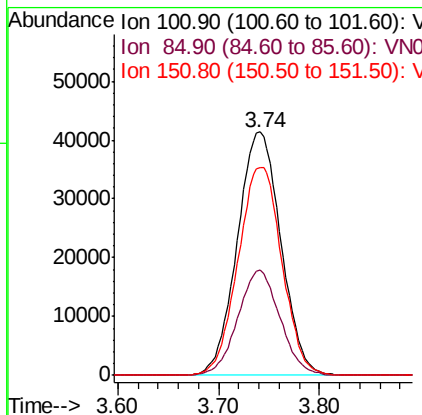
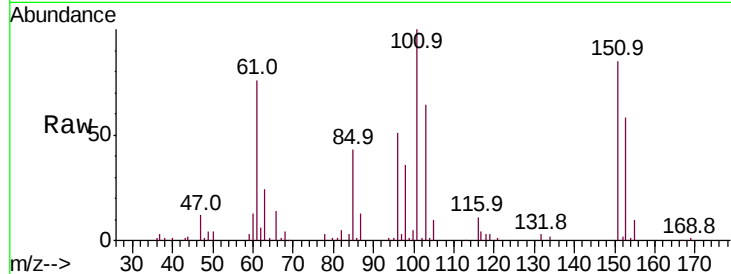
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	123858
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.2
151	86.1	69.4	104.2

Manual Integrations
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6/10/2019 11:26:15 AM



#10

Methyl Iodide

Concen: 48.801 ug/l

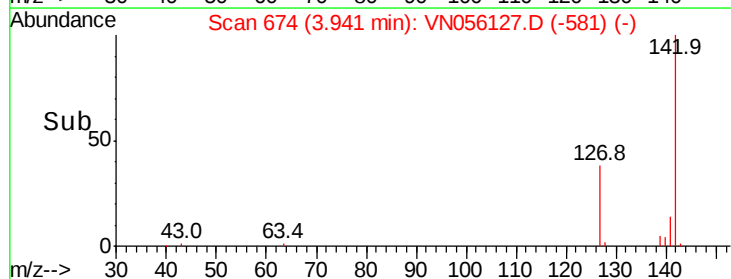
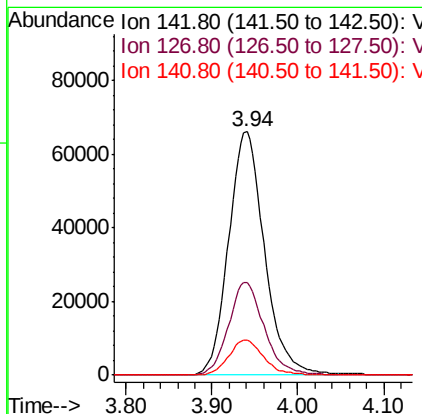
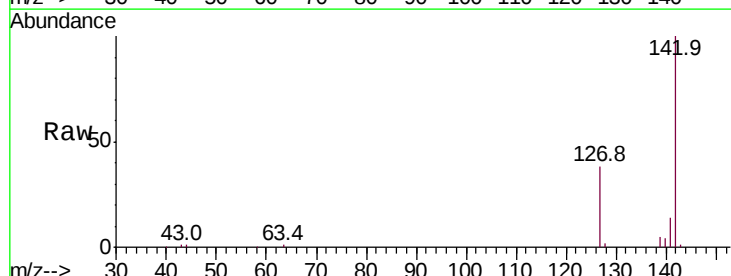
RT: 3.94 min Scan# 674

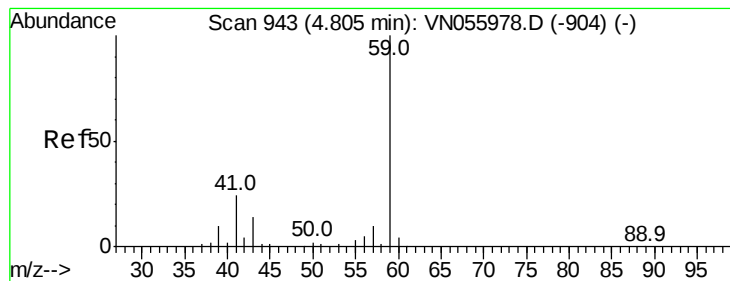
Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Tgt Ion:	142	Resp:	191569
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	14.2	11.4	17.0





#11

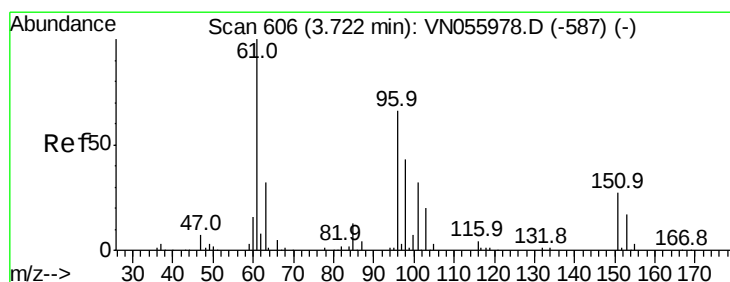
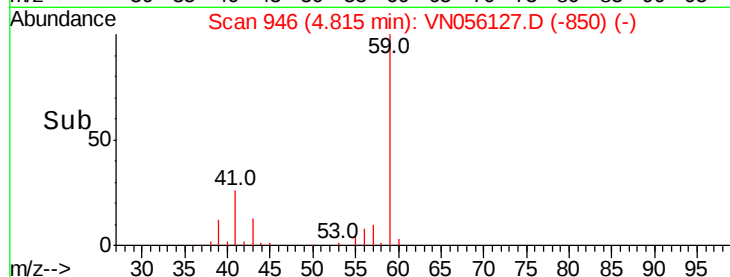
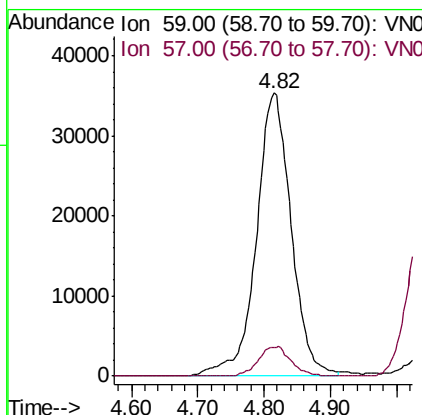
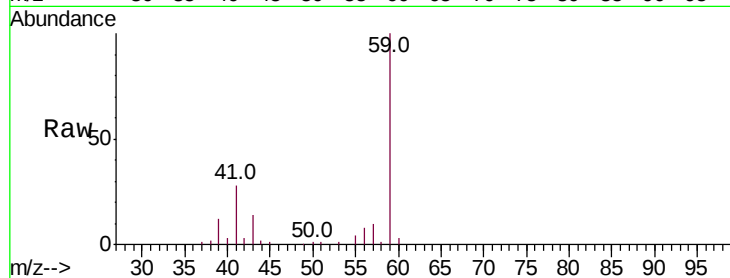
Tert butyl alcohol
Concen: 255.697 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	129427
Ion Ratio	100	Lower	Upper
59	100		
57	9.7	7.8	11.6

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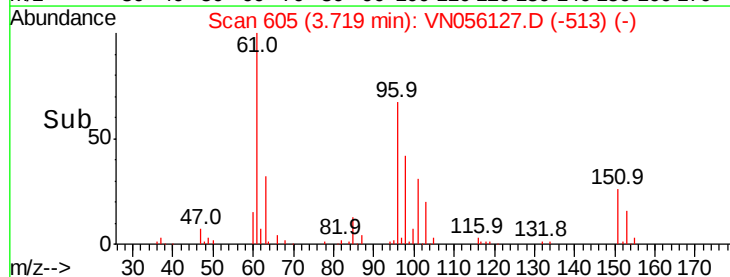
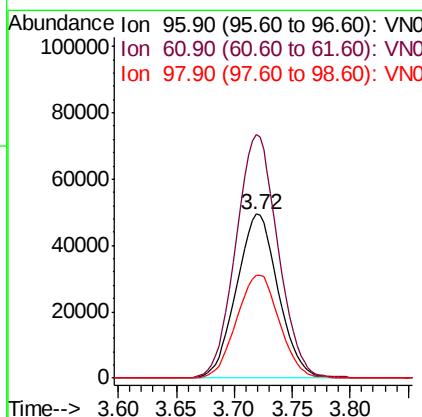
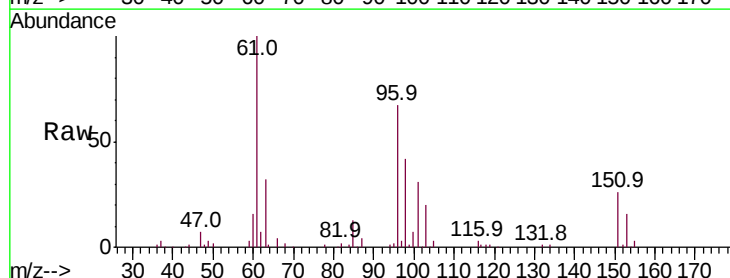
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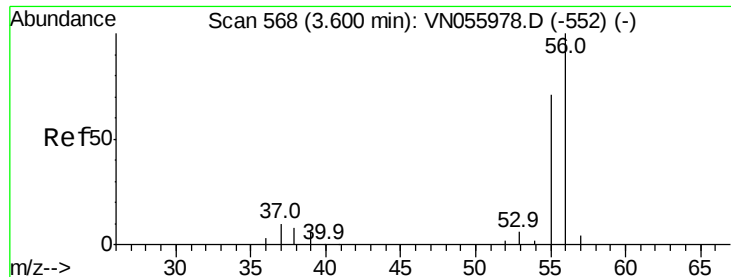


#12

1,1-Dichloroethene
Concen: 50.250 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	96	Resp	123575
Ion Ratio	100	Lower	Upper
96	100		
61	148.7	123.2	184.8
98	62.8	50.4	75.6





#13

Acrolein

Concen: 275.187 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 40173

Ion Ratio Lower Upper

56 100

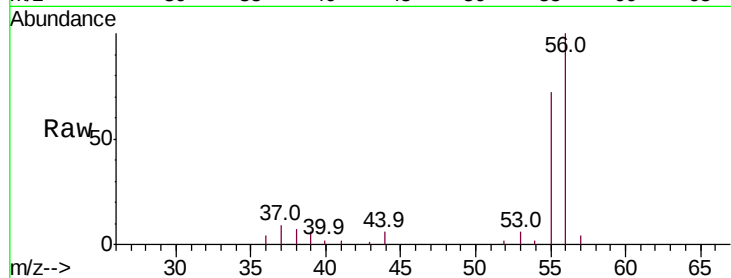
55 71.2 55.4 83.2

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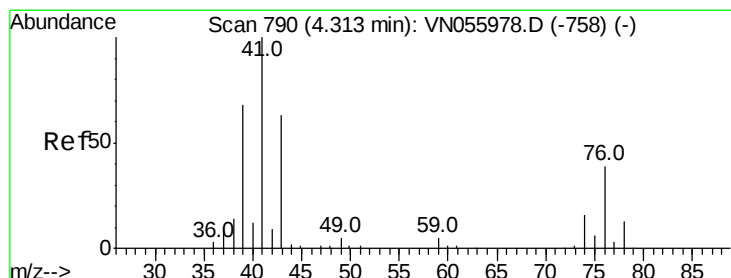
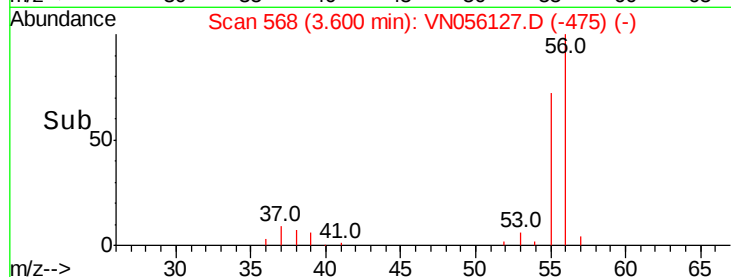
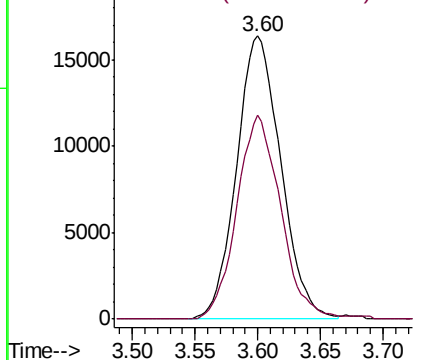
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6/10/2019 11:26:15 AM



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN055978.D (-552) (-)



#14

Allyl chloride

Concen: 48.602 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

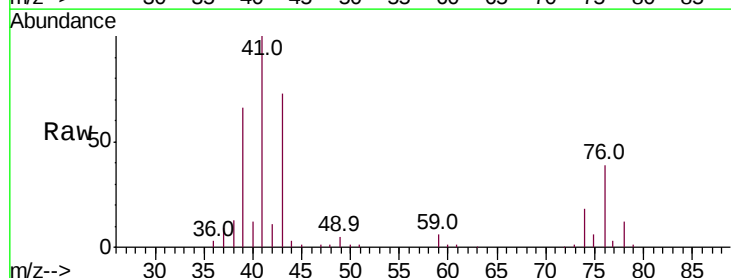
Tgt Ion: 41 Resp: 188734

Ion Ratio Lower Upper

41 100

39 60.9 50.0 75.0

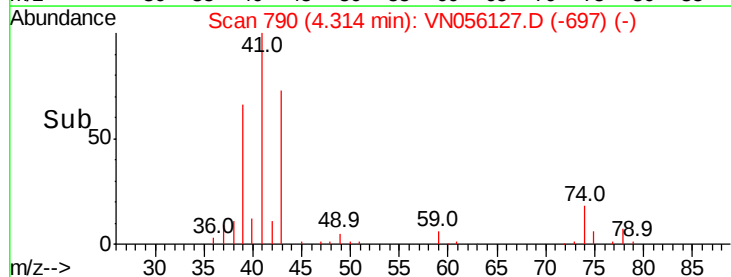
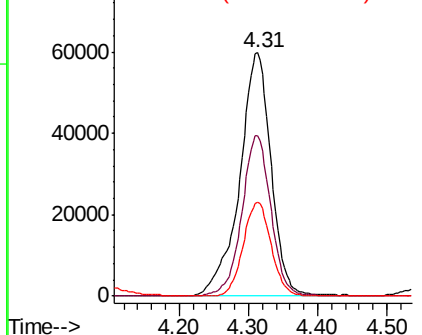
76 34.1 28.2 42.2

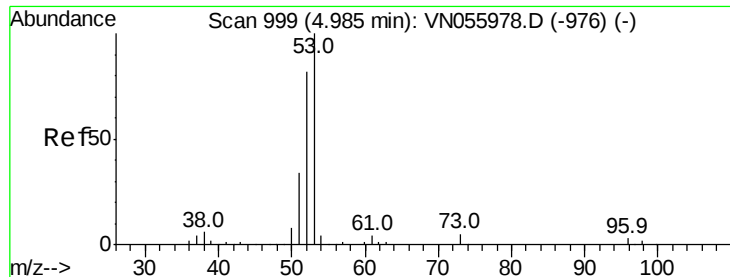


Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN055978.D (-758) (-)





#15

Acrylonitrile

Concen: 291.447 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

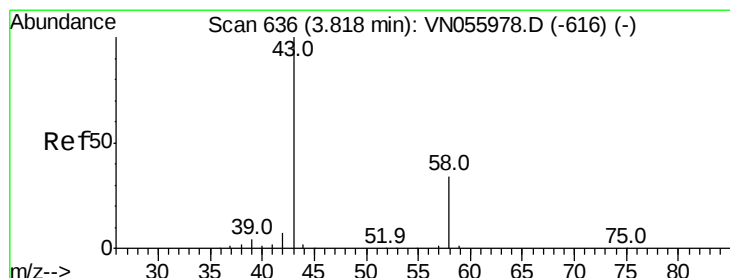
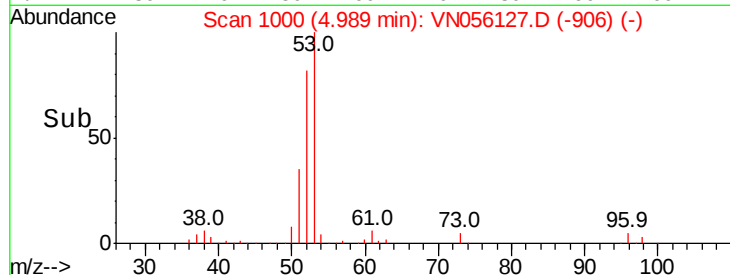
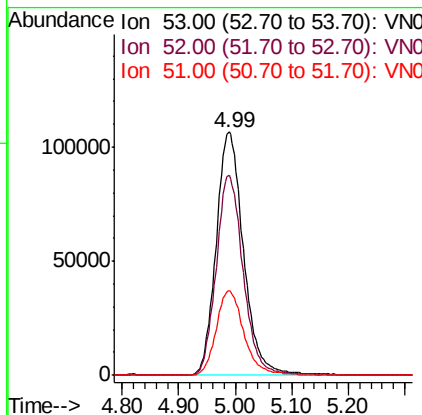
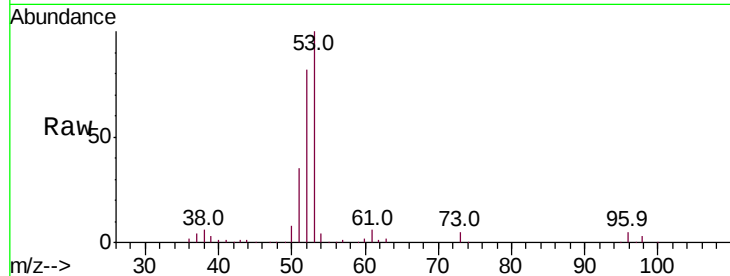
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	359112
Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.8	98.8
51	35.3	28.2	42.4

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#16

Acetone

Concen: 205.175 ug/l

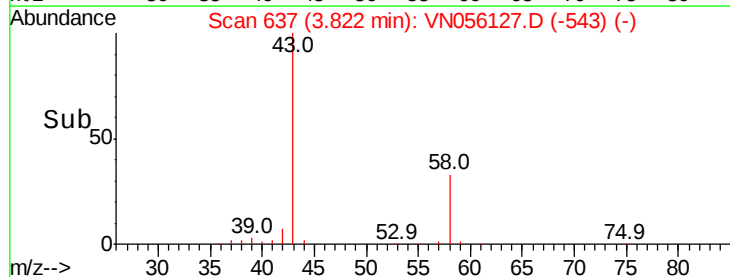
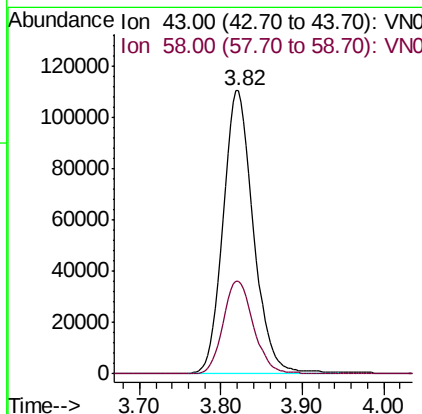
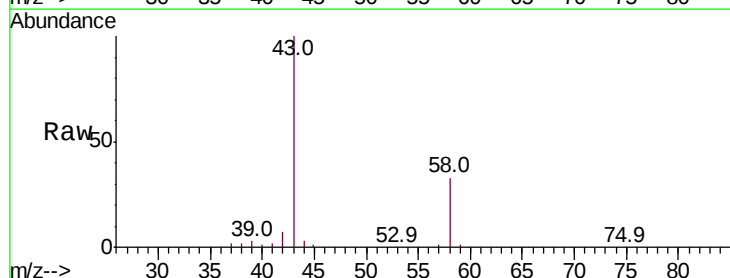
RT: 3.82 min Scan# 637

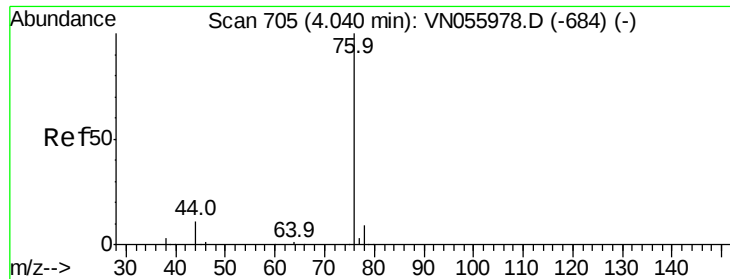
Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Tgt Ion	43	Resp	285425
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.6	39.8





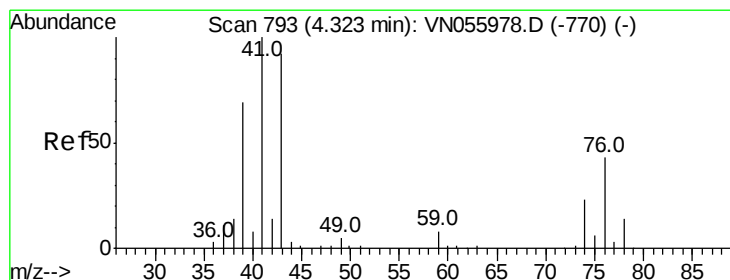
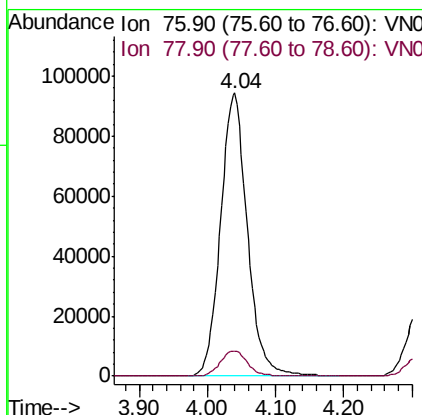
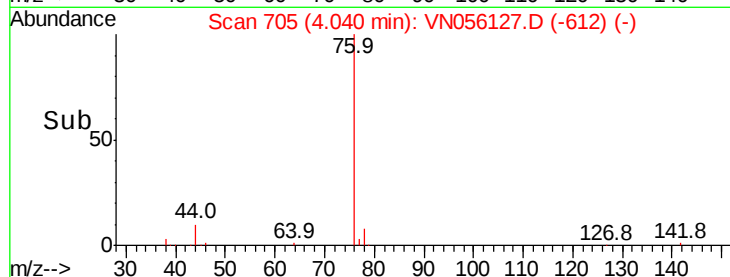
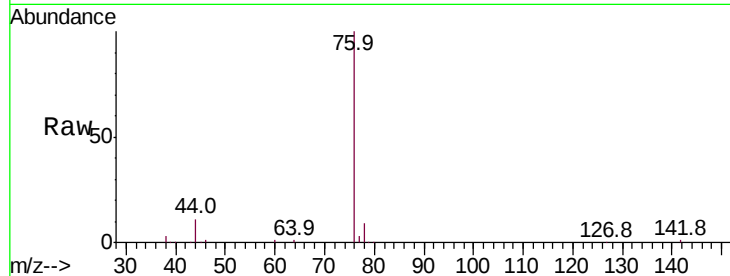
#17
Carbon Disulfide
Concen: 43.704 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

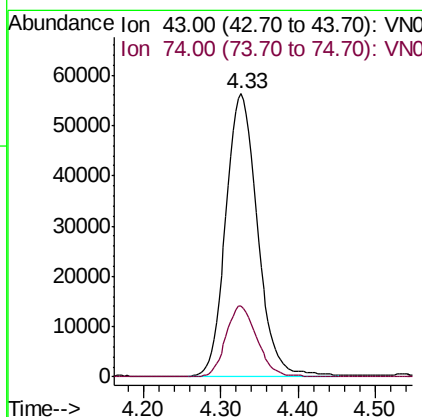
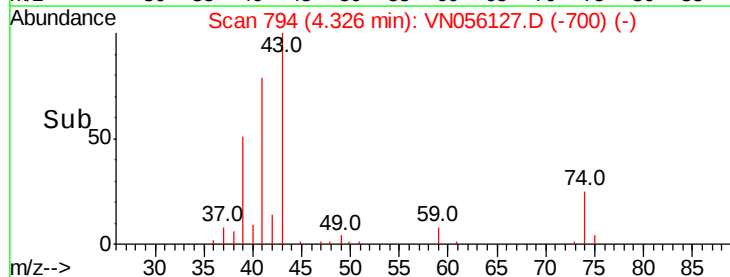
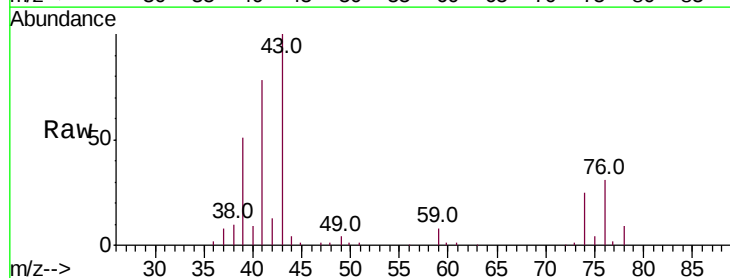
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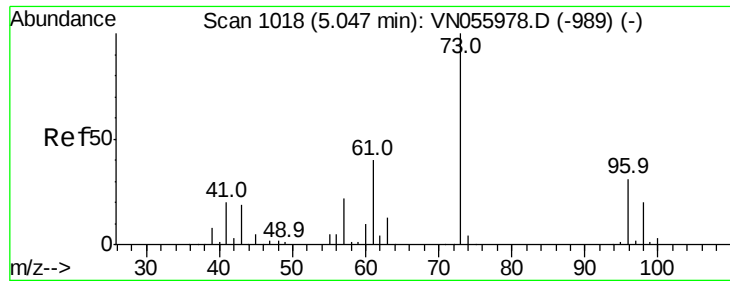
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6/10/2019 11:26:15 AM



#18
Methyl Acetate
Concen: 59.086 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.3	28.9





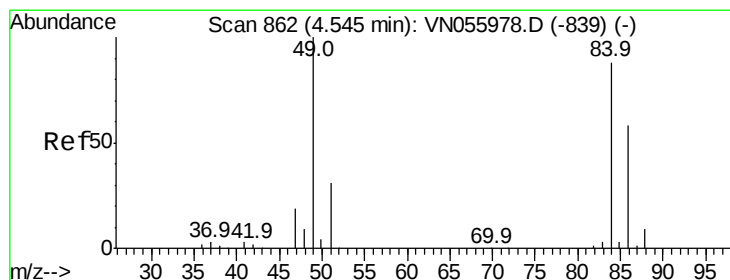
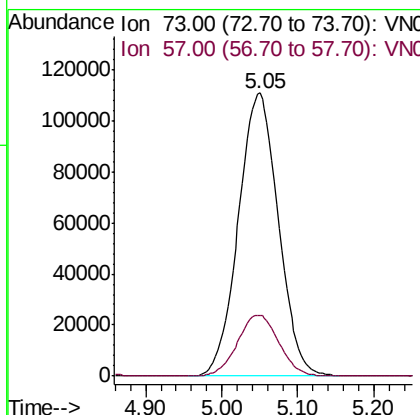
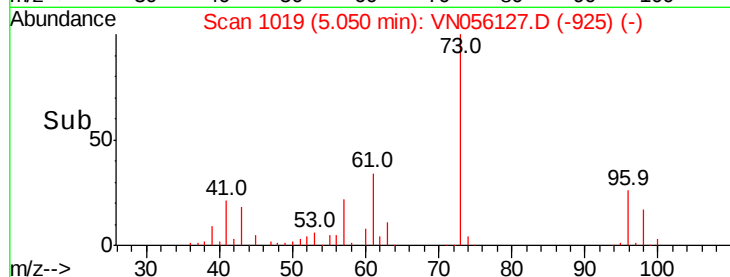
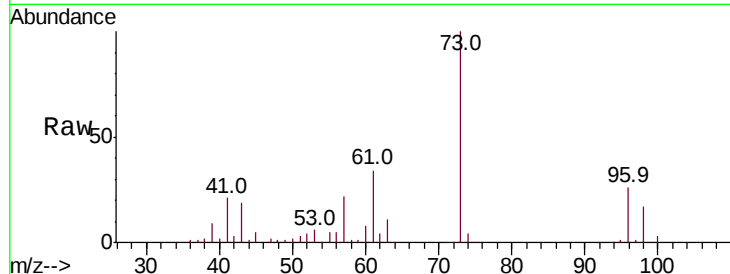
#19
Methvl tert-butvl Ether
Concen: 51.566 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 404217
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.8

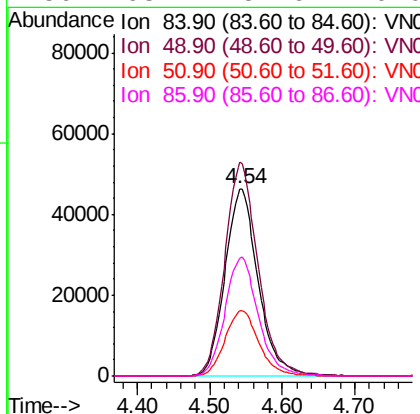
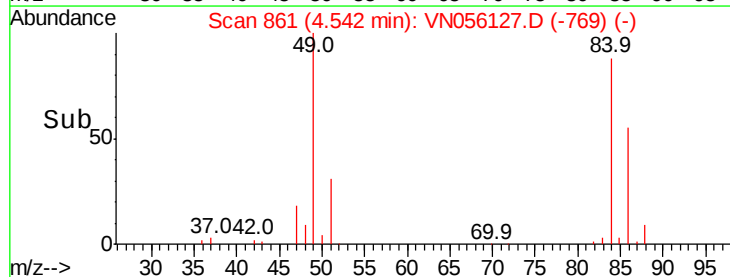
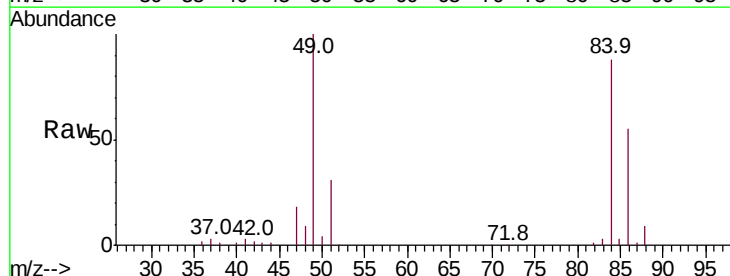
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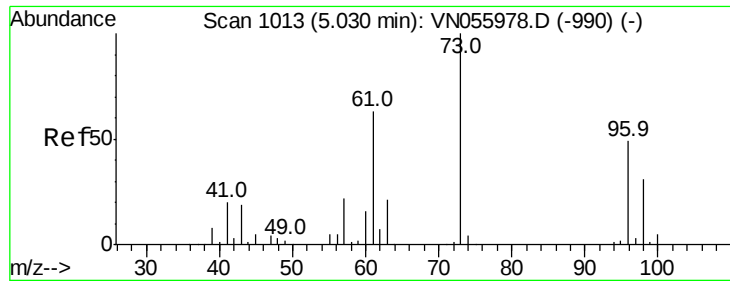
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6/10/2019 11:26:15 AM



#20
Methylene Chloride
Concen: 51.328 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion: 84 Resp: 147109
Ion Ratio Lower Upper
84 100
49 114.0 93.5 140.3
51 35.1 28.6 43.0
86 63.1 52.6 79.0





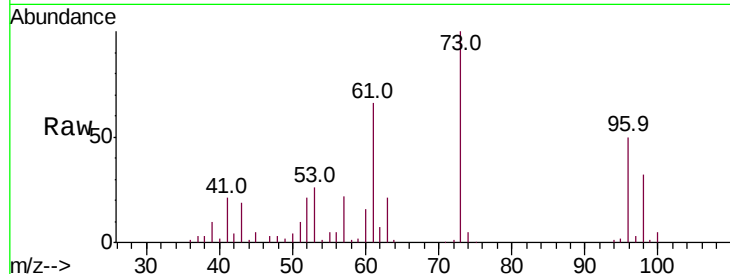
#21
trans-1,2-Dichloroethene
Concen: 50.557 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	107.8	161.8
98	63.8	49.8	74.8

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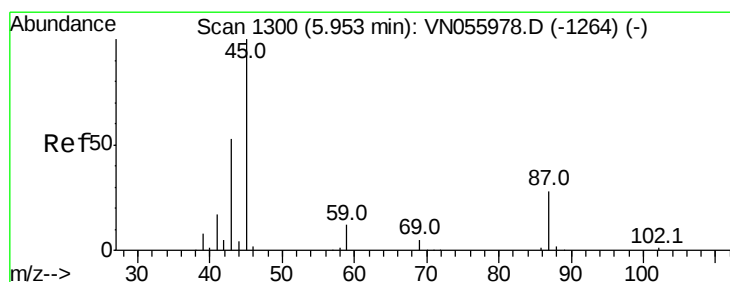
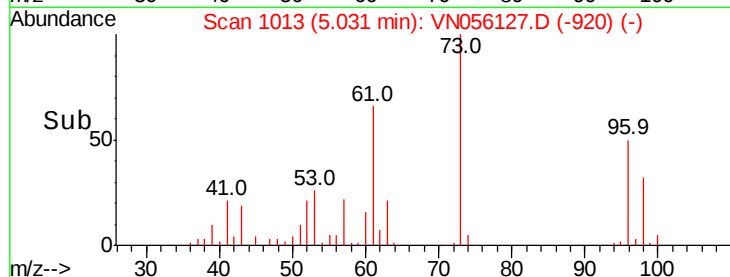
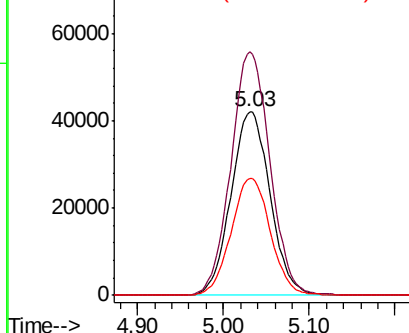


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 51.986 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.0	67.6
87	29.2	22.2	33.4
59	11.7	9.1	13.7

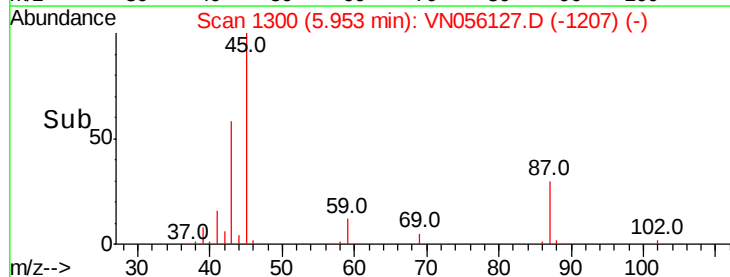
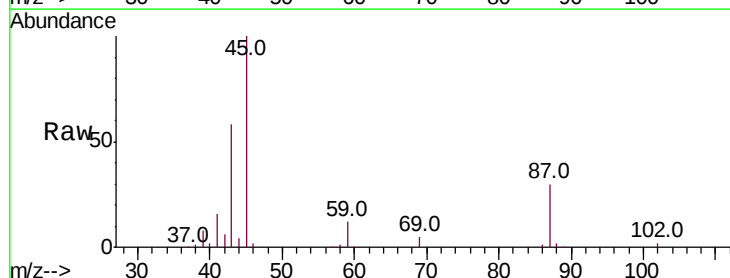
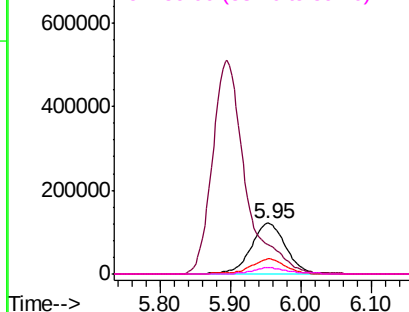
Abundance

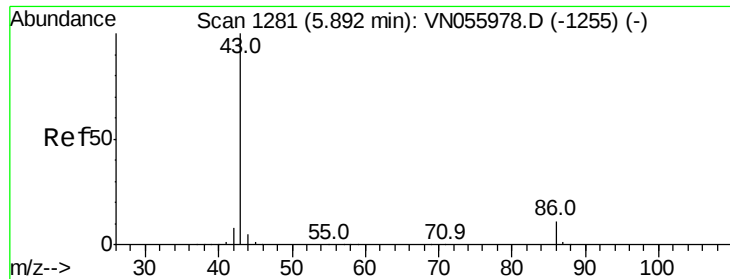
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





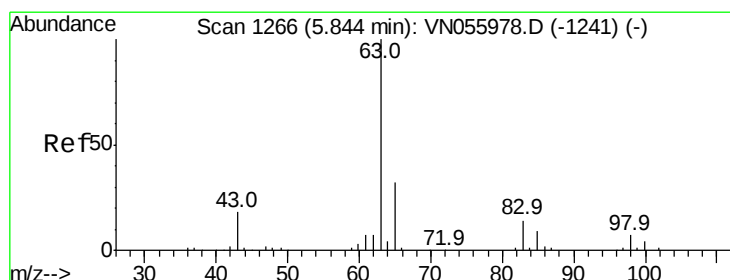
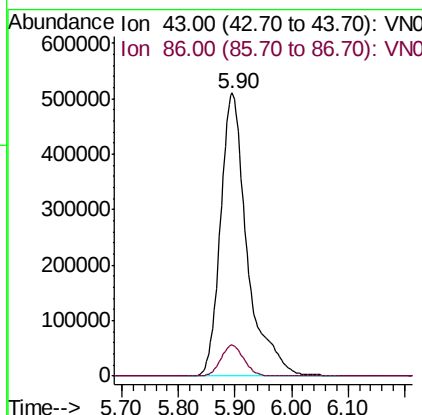
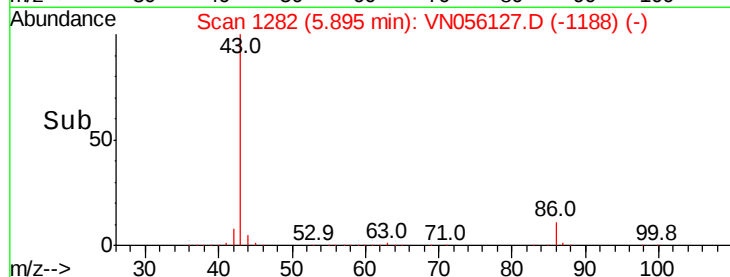
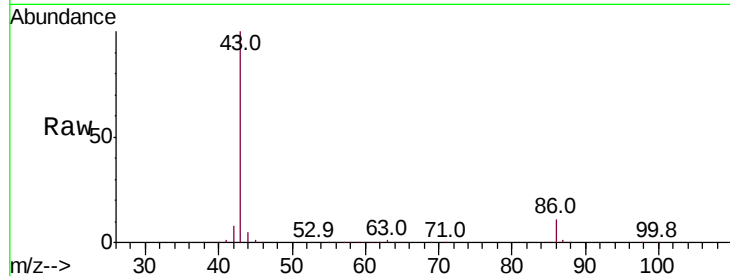
#23
 Vinyl Acetate
 Concen: 264.570 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1672466
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0

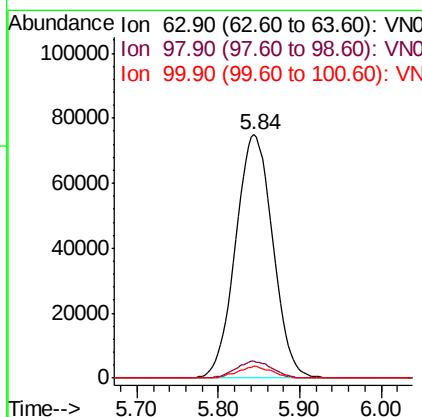
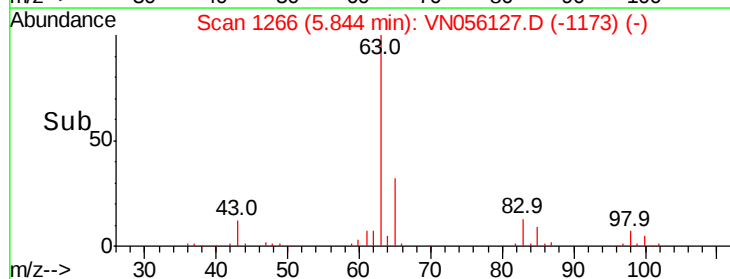
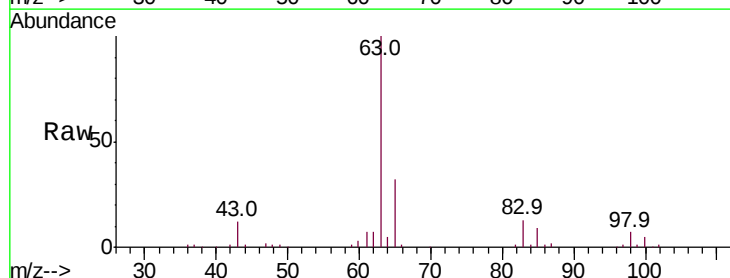
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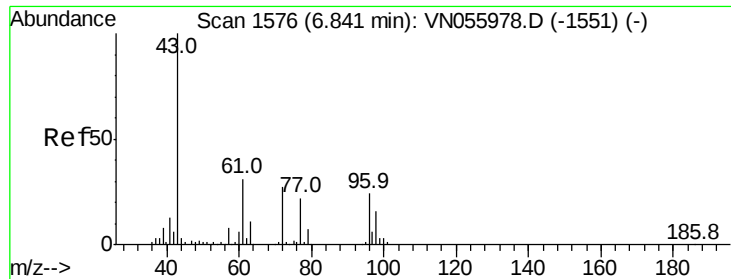
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 6/10/2019 11:26:15 AM



#24
 1,1-Dichloroethane
 Concen: 51.210 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion: 63 Resp: 237120
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 4.7 2.2 6.6





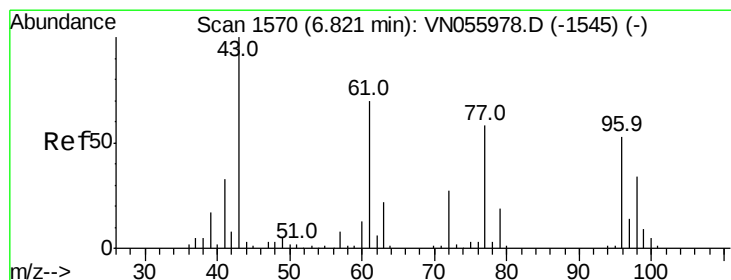
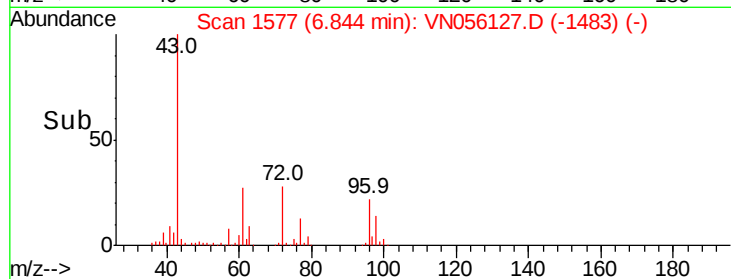
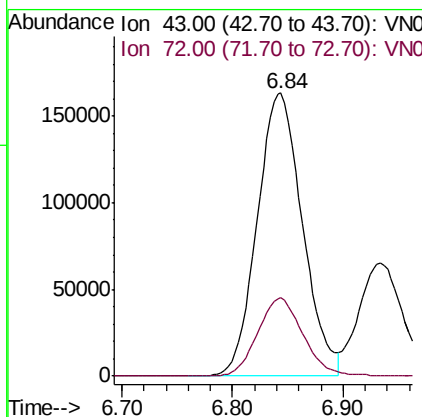
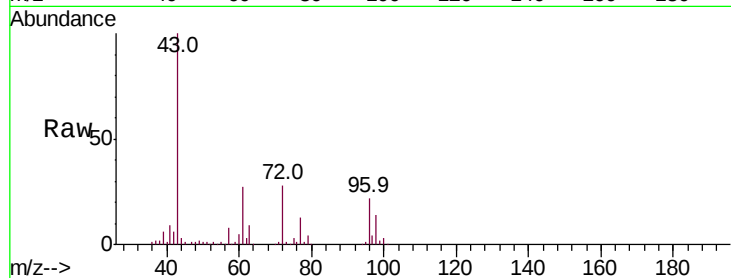
#25
2-Butanone
Concen: 262.910 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 462104
Ion Ratio Lower Upper
43 100
72 27.7 21.9 32.9

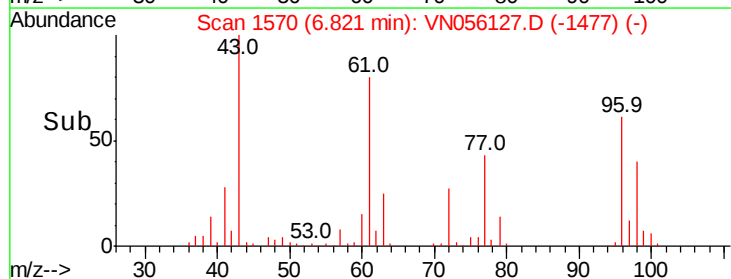
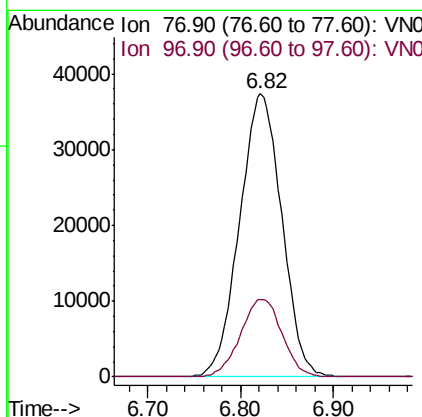
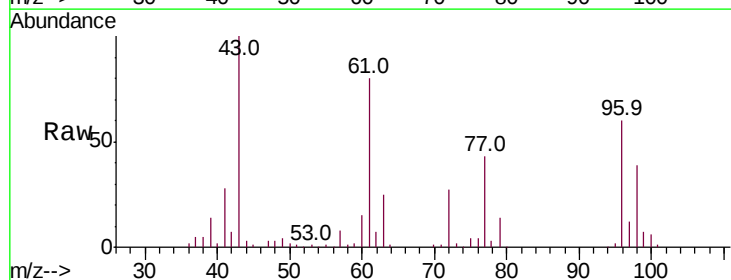
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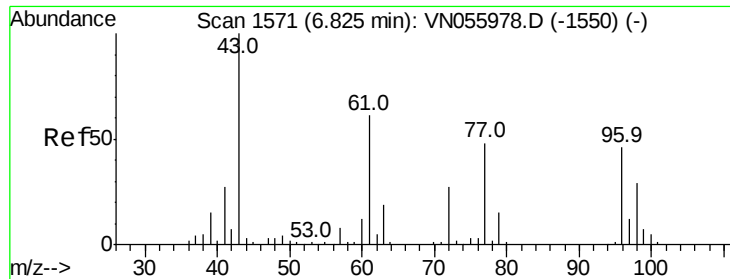
MMDadoda
6/10/2019 11:26:15 AM



#26
2,2-Dichloropropane
Concen: 32.600 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion: 77 Resp: 117791
Ion Ratio Lower Upper
77 100
97 27.1 12.2 36.6





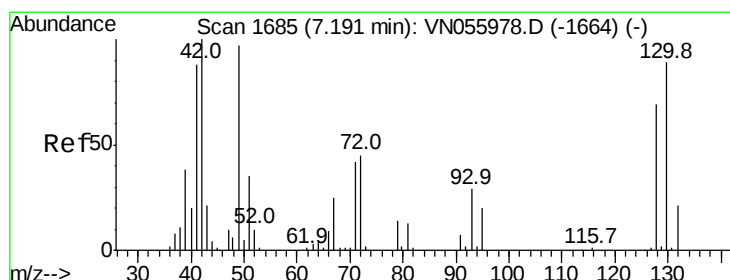
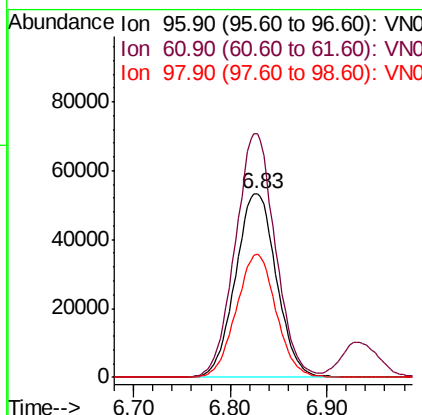
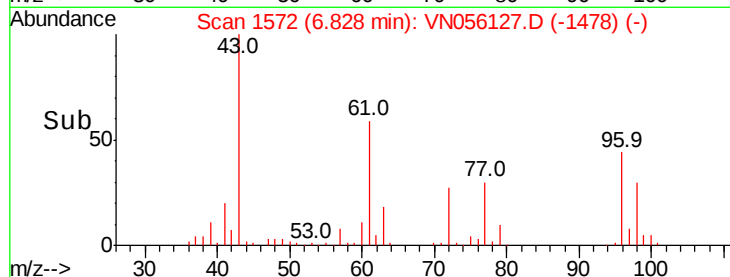
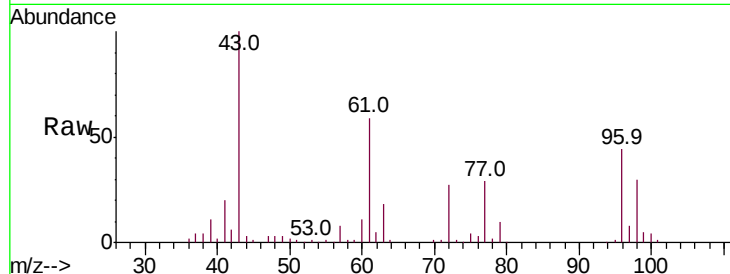
#27
 cis-1,2-Dichloroethene
 Concen: 50.660 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	156909		
61	129.7	0.0	275.8	
98	65.2	0.0	128.4	

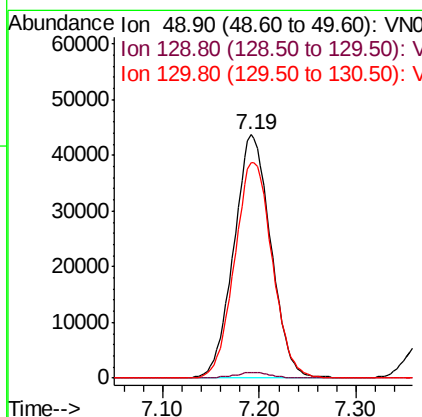
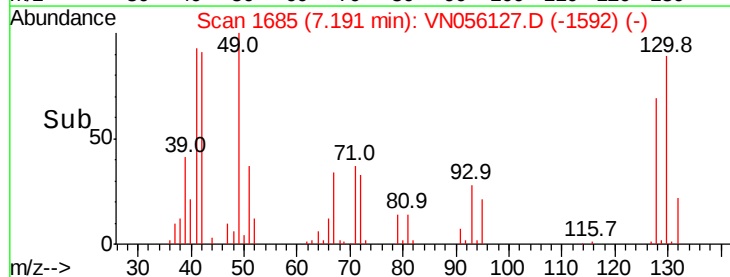
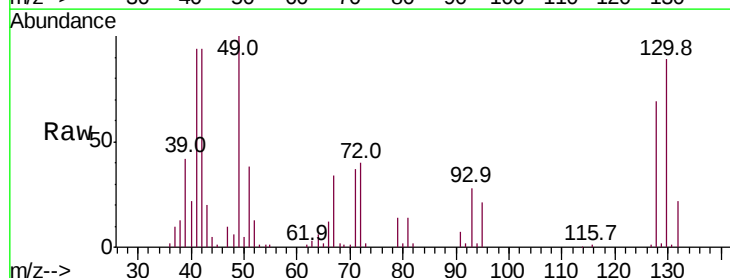
Manual Integrations
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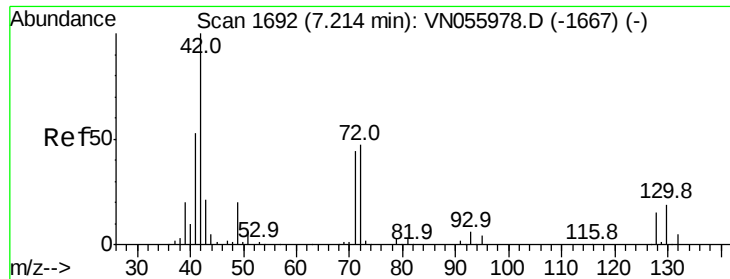
MMDadoda
 6/10/2019 11:26:15 AM



#28
 Bromochloromethane
 Concen: 53.020 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116098		
129	2.2	0.0	4.4	
130	90.3	71.2	106.8	





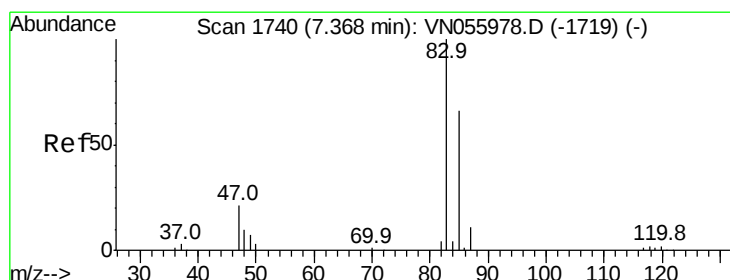
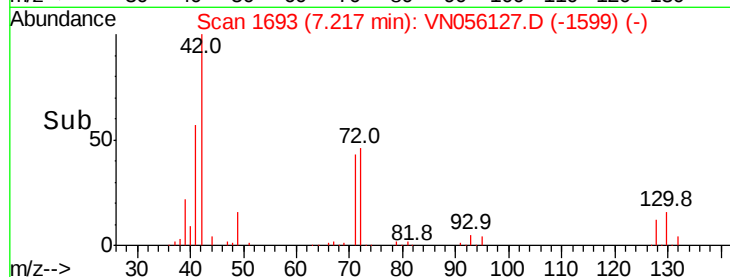
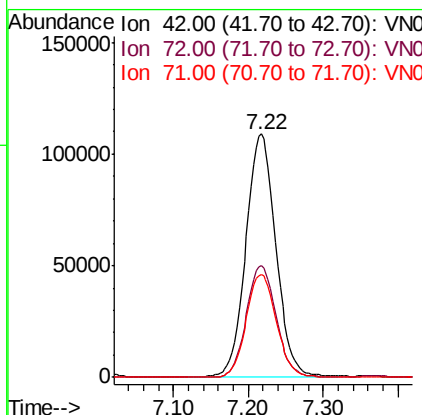
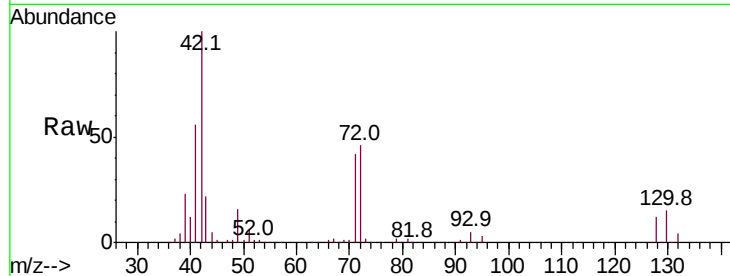
#29
Tetrahydrofuran
Concen: 281.638 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	42.5	34.0	51.0

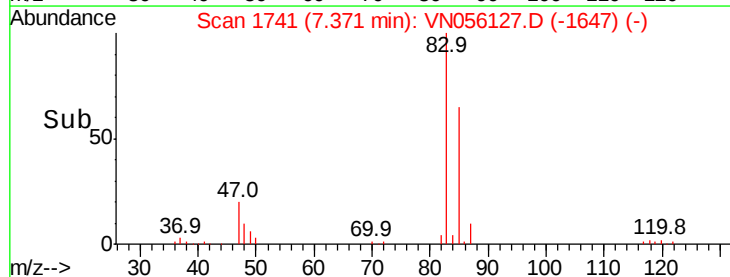
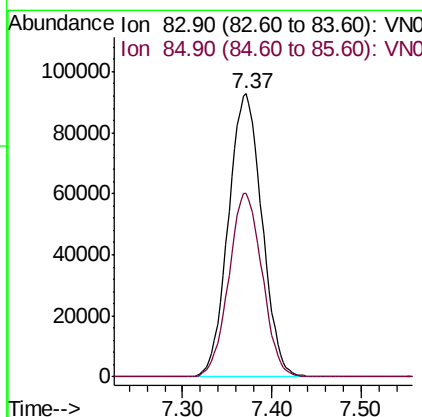
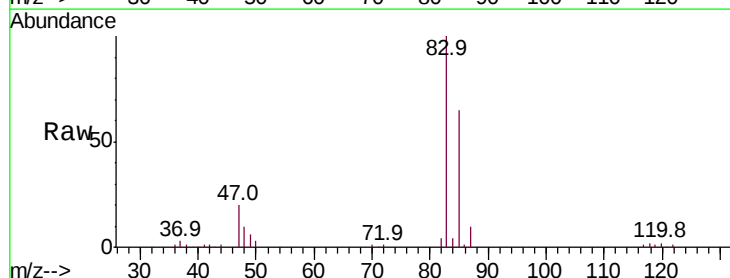
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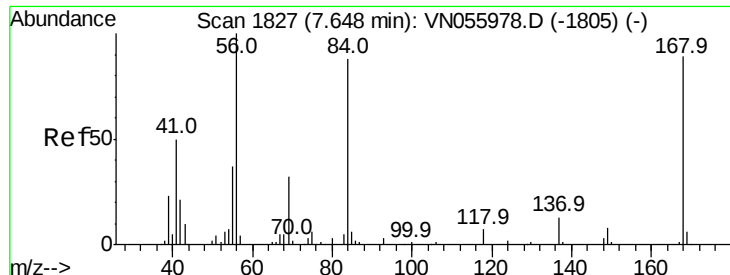
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6/10/2019 11:26:15 AM



#30
Chloroform
Concen: 51.982 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8





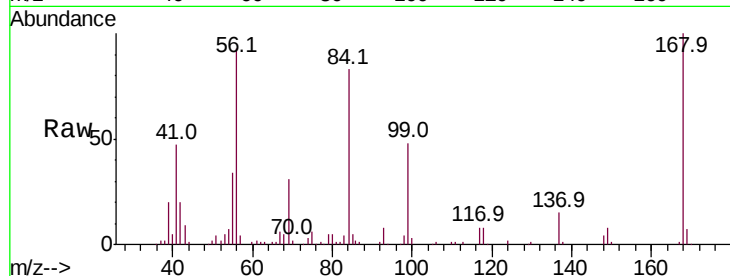
#31
Cyclohexane
Concen: 46.629 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

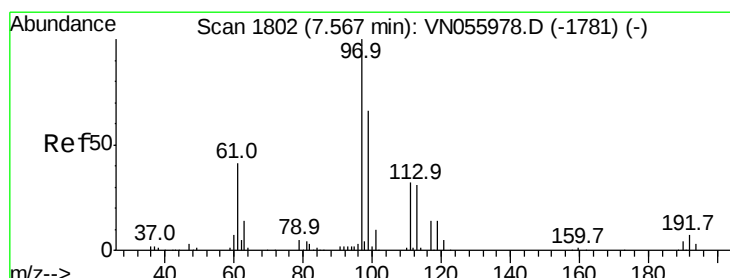
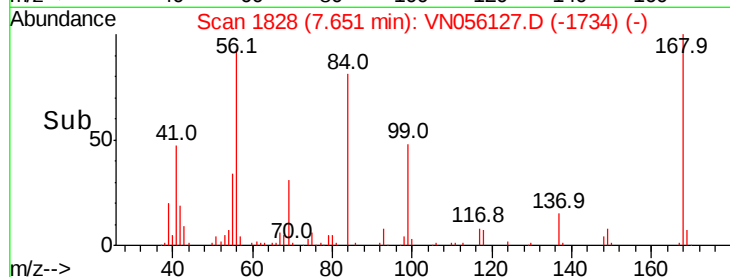
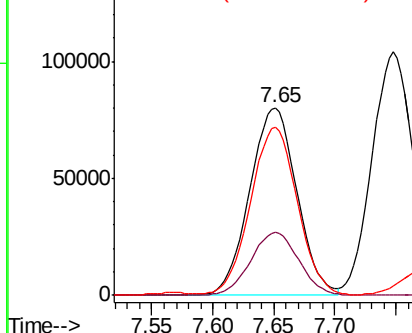
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.6	38.4
84	88.4	67.4	101.0

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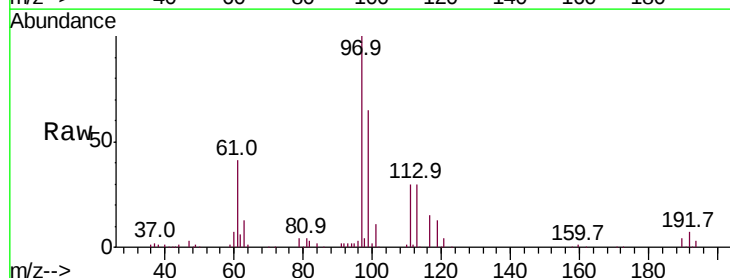


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

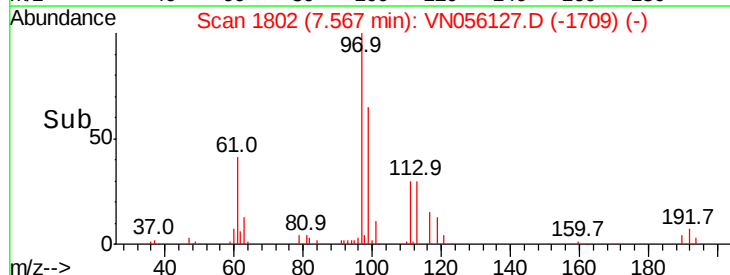
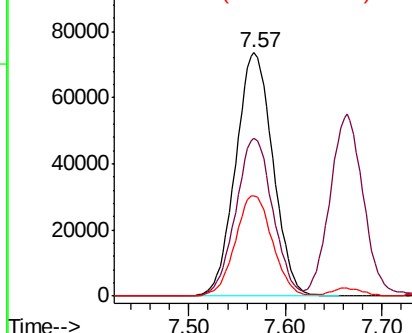


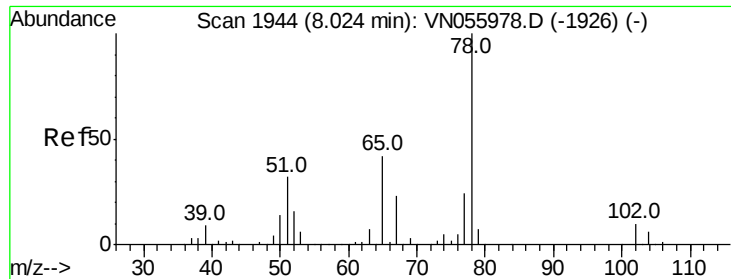
#32
1,1,1-Trichloroethane
Concen: 50.734 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	41.0	32.9	49.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





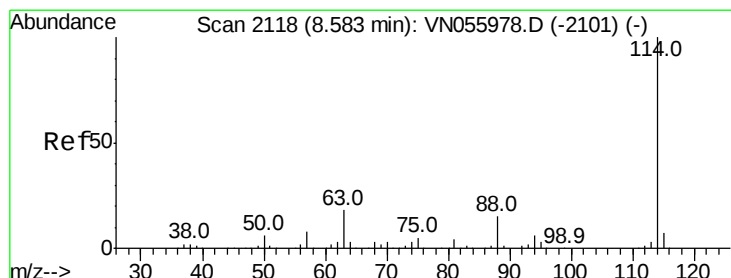
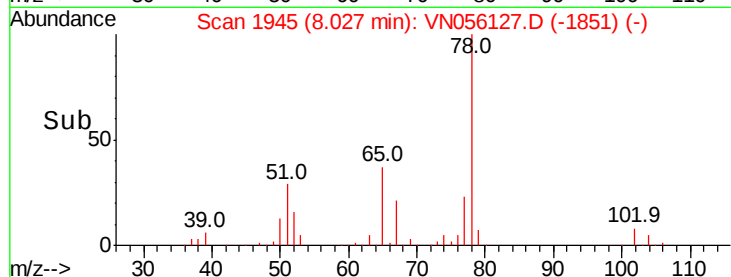
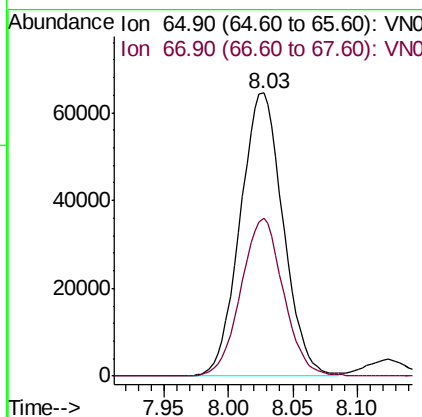
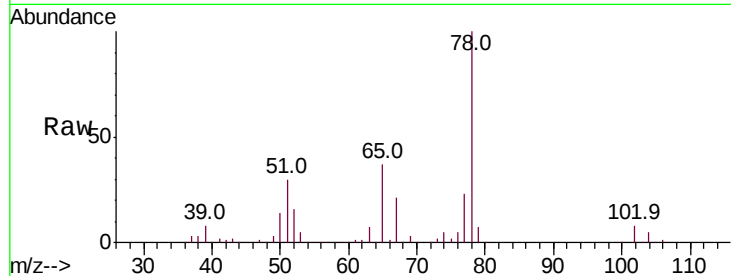
#33
 1,2-Dichloroethane-d4
 Concen: 51.471 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149713		
67	55.2	0.0	109.2	

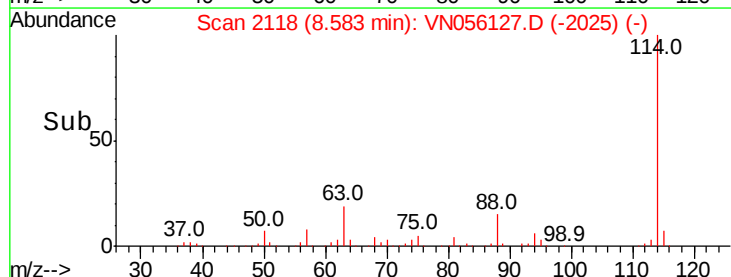
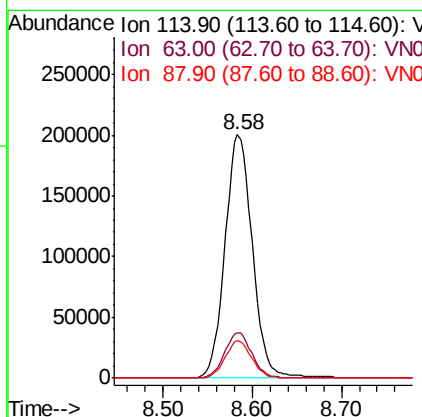
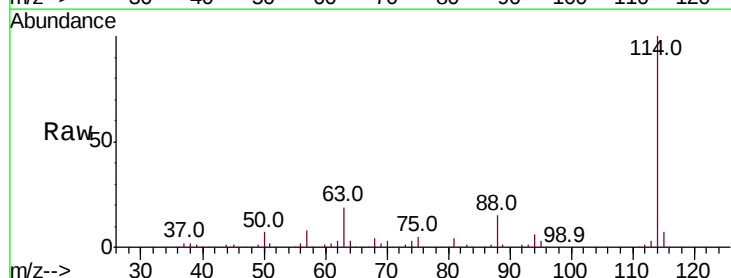
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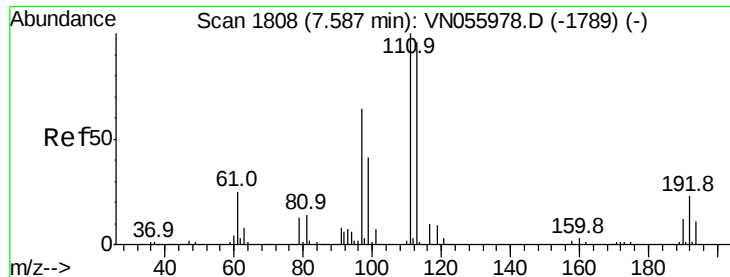
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	426422		
63	18.7	0.0	39.2	
88	15.3	0.0	31.0	





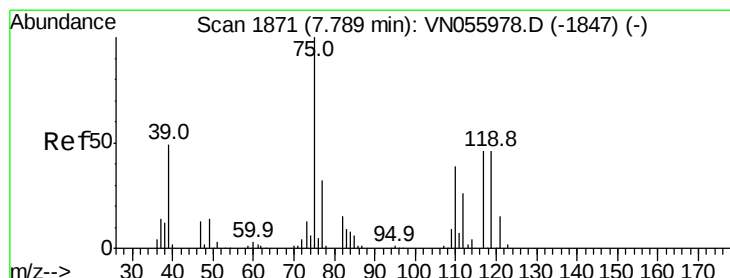
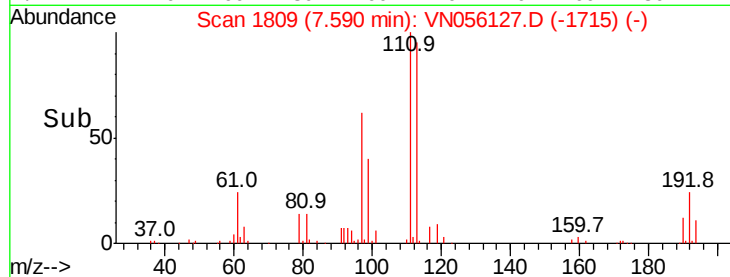
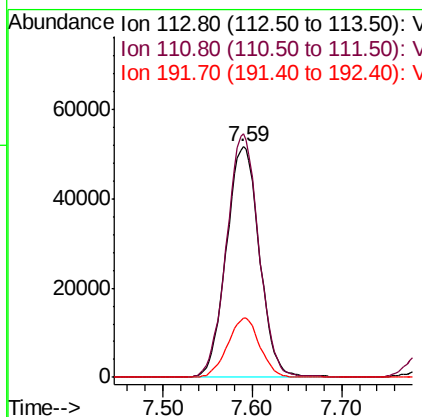
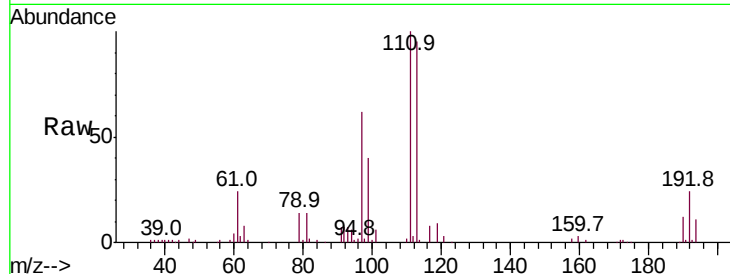
#35
 Dibromofluoromethane
 Concen: 50.930 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	81.9	122.9	
192	24.8	19.5	29.3	

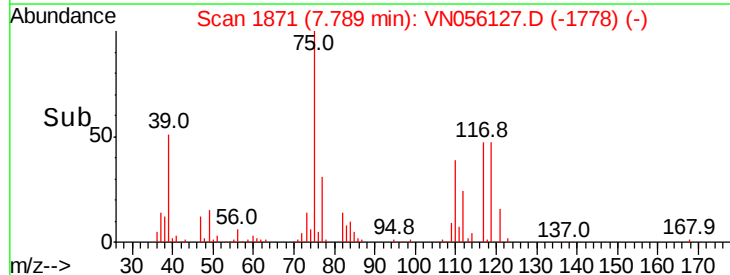
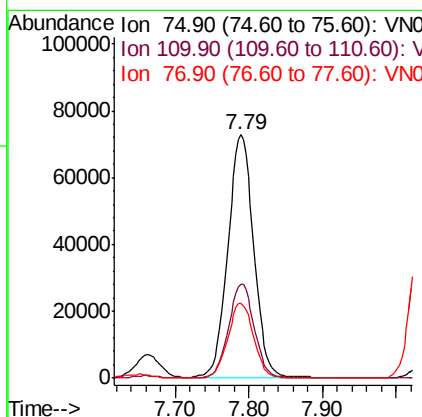
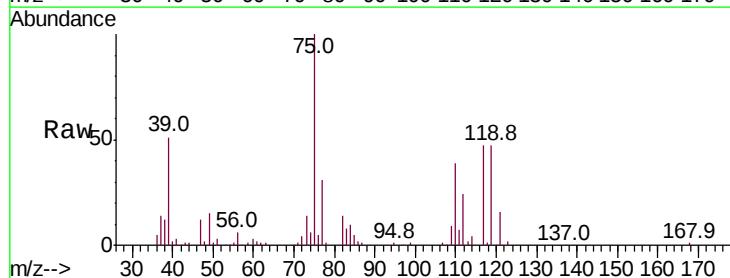
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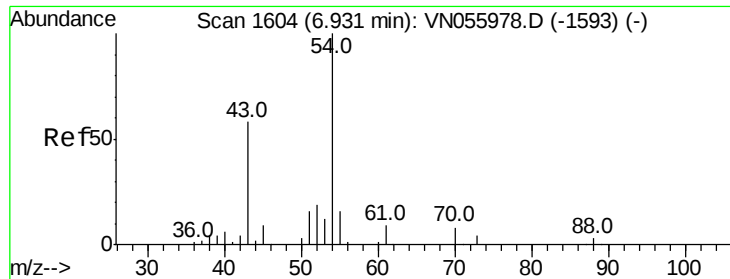
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 6/10/2019 11:26:15 AM



#36
 1,1-Dichloropropene
 Concen: 48.634 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.0	19.0	57.0	
77	30.6	25.1	37.7	





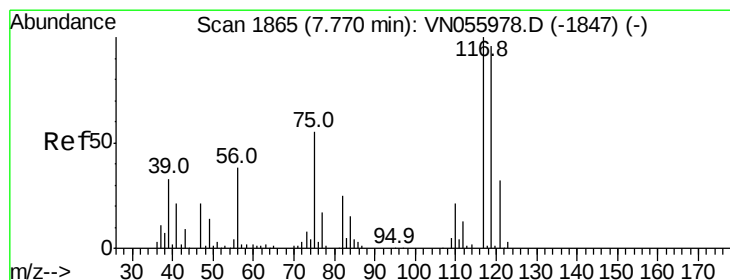
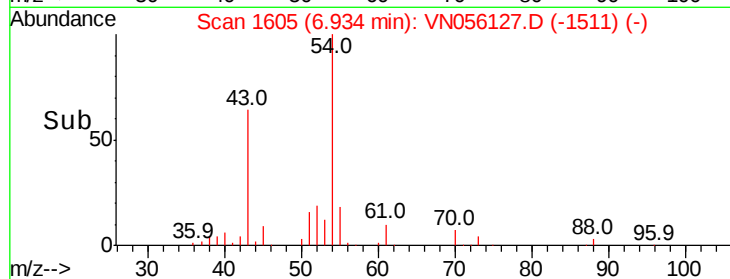
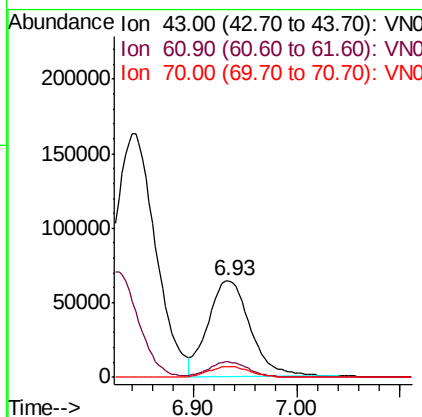
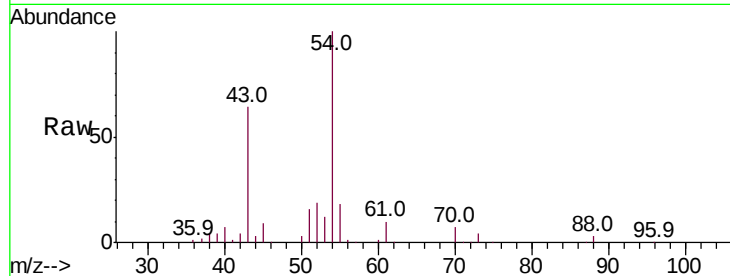
#37
Ethyl Acetate
Concen: 56.193 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.2	18.2
70	11.1	8.9	13.3

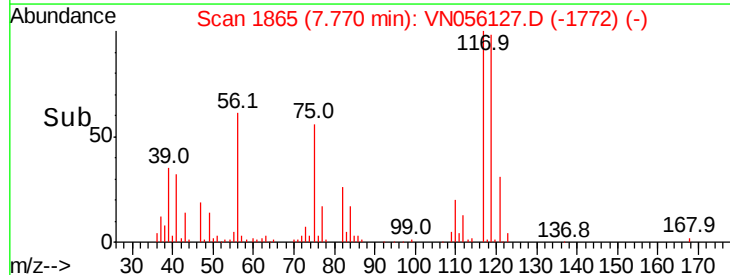
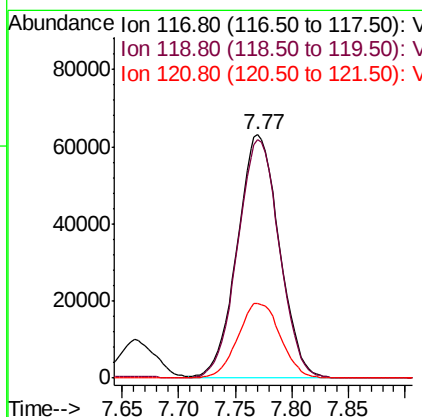
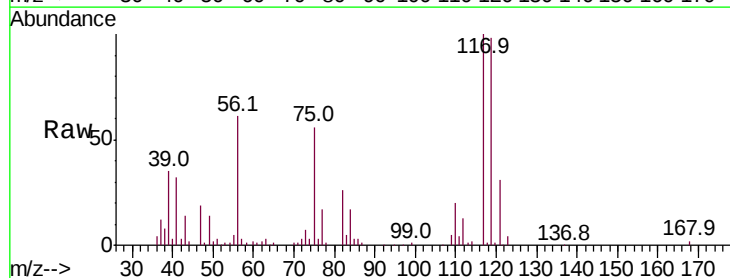
Manual Integrations
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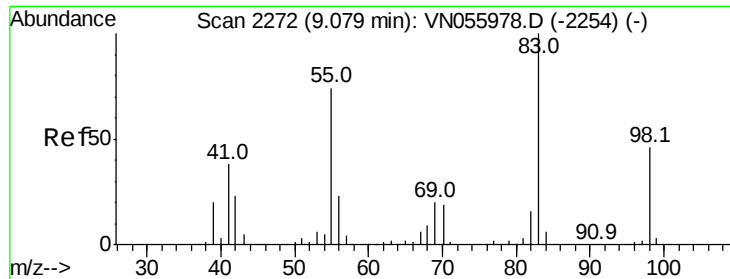
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#38
Carbon Tetrachloride
Concen: 48.006 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	79.0	118.6
121	31.0	24.7	37.1





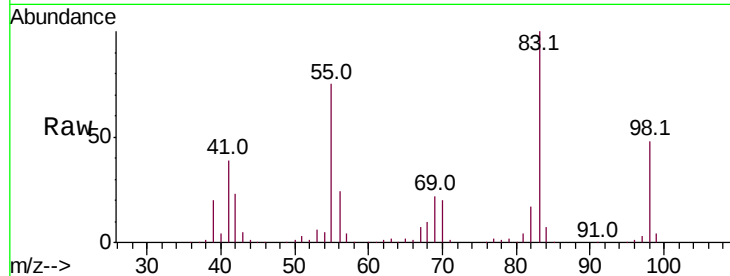
#39
Methvlcvclohexane
Concen: 46.671 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

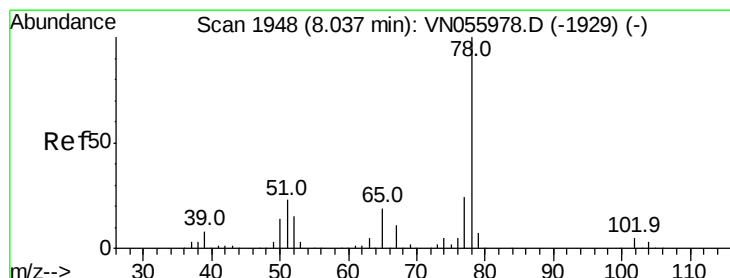
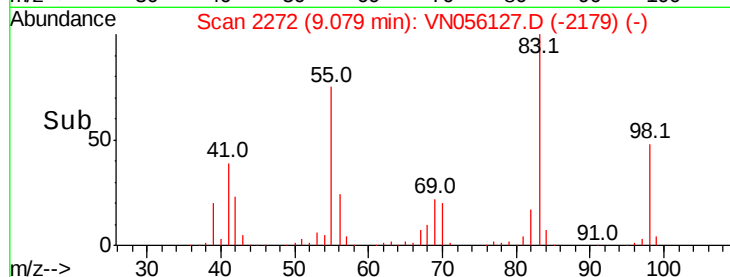
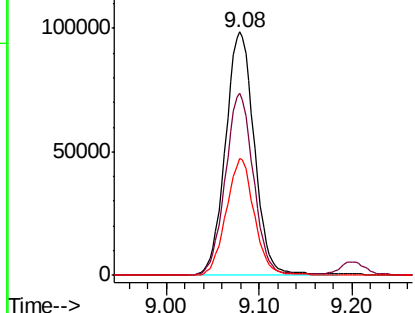
Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	59.3	88.9
98	48.1	36.6	54.8

Manual Integrations
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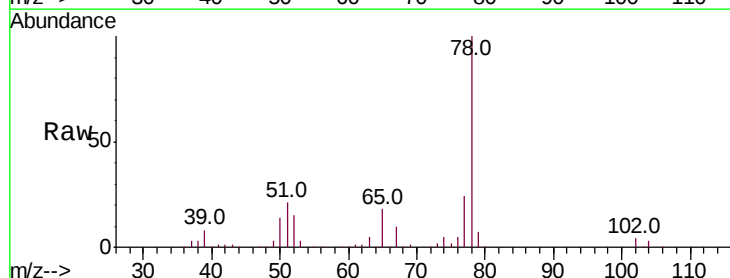


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

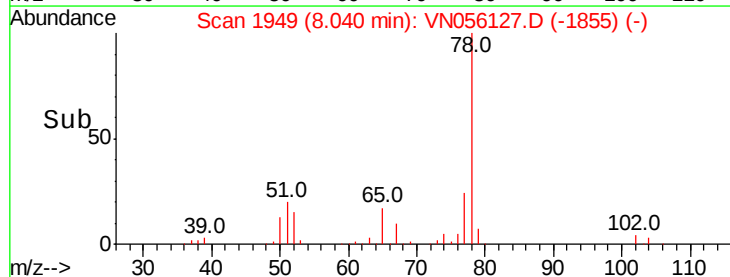
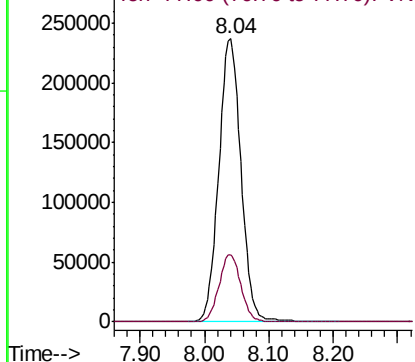


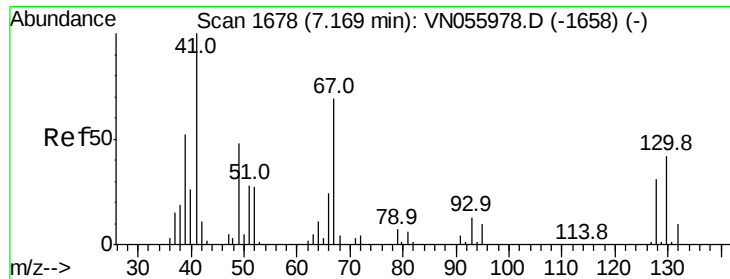
#40
Benzene
Concen: 50.834 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





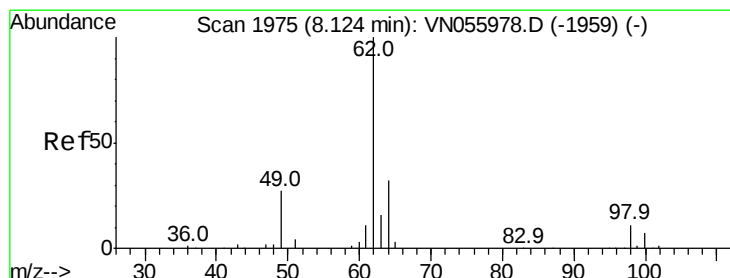
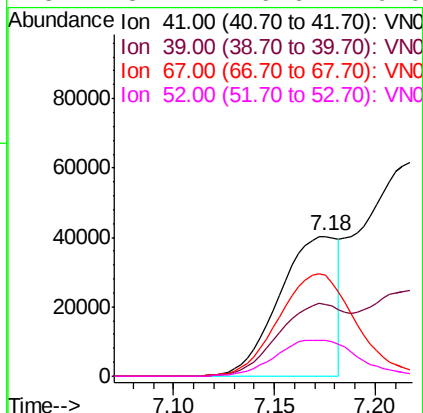
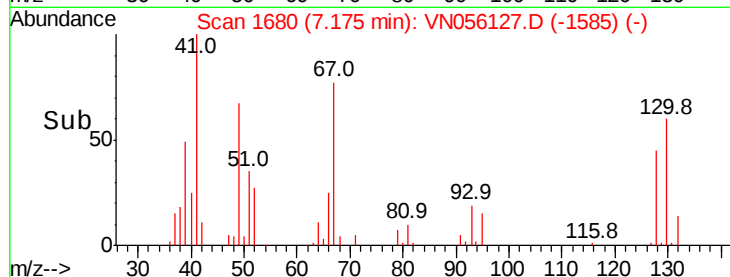
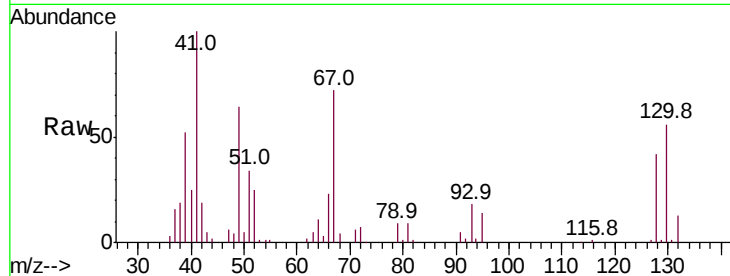
#41
Methacrylonitrile
Concen: 54.101 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.7	45.6	68.4	
67	98.0	67.7	101.5	
52	37.2	26.6	40.0	

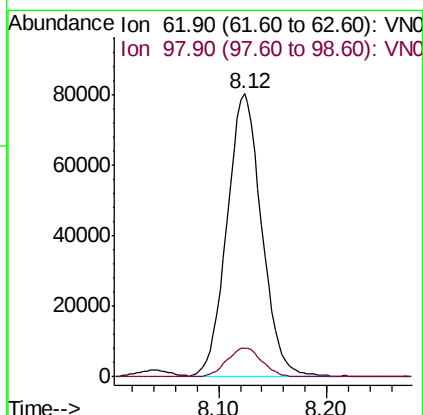
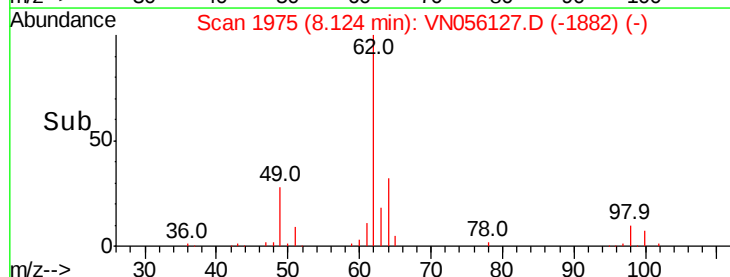
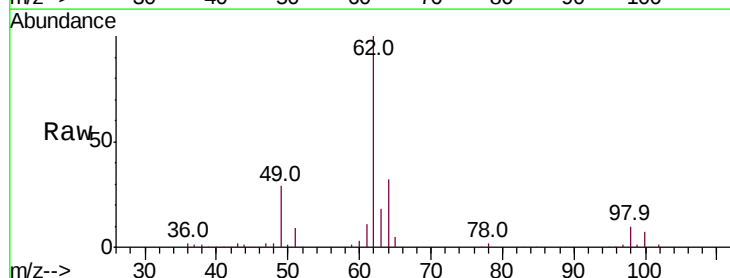
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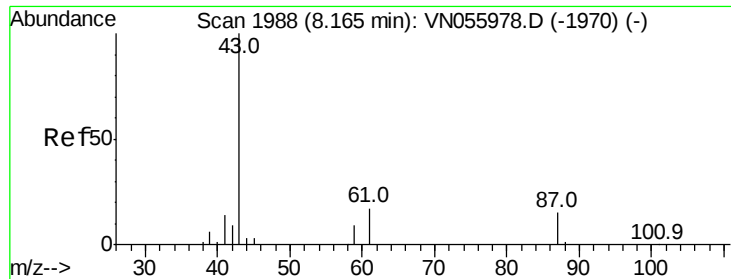
MMDadoda
6/10/2019 11:26:15 AM



#42
1,2-Dichloroethane
Concen: 49.977 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.2	





#43

Isopropyl Acetate

Concen: 53.302 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

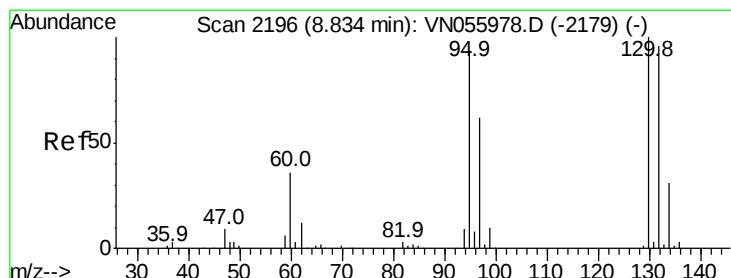
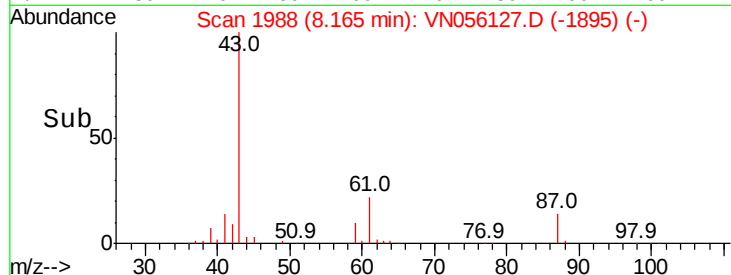
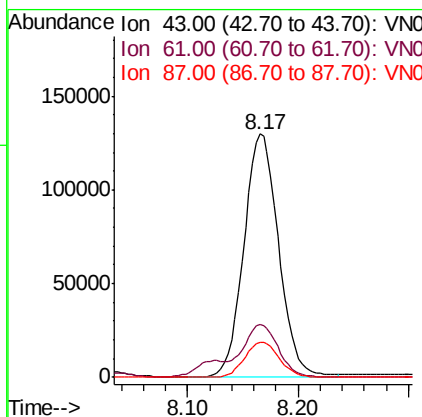
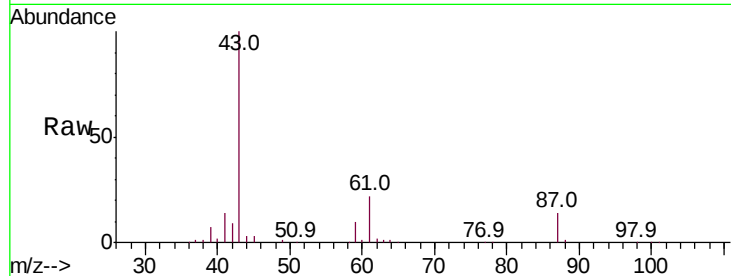
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	281787
Ion Ratio	Lower	Upper	
43	100		
61	21.9	22.2	33.4#
87	14.5	11.4	17.2

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#44

Trichloroethene

Concen: 52.020 ug/l

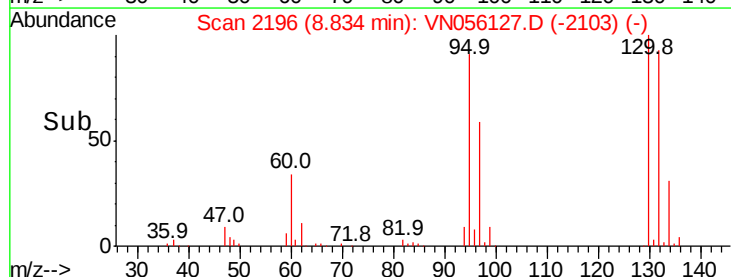
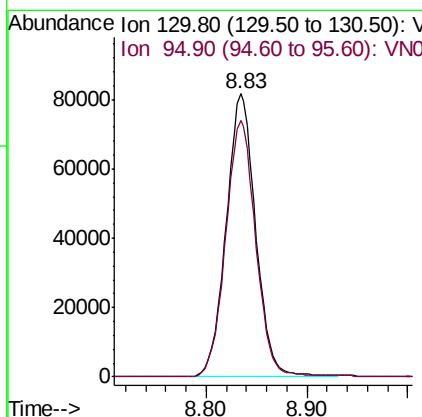
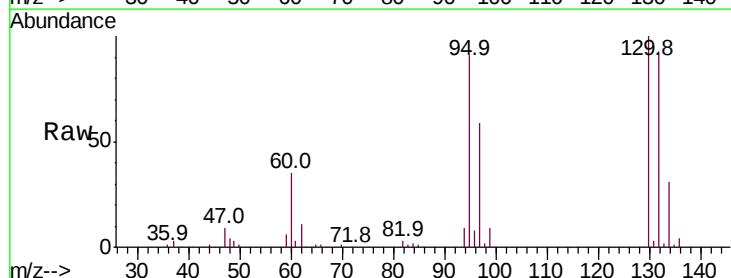
RT: 8.83 min Scan# 2196

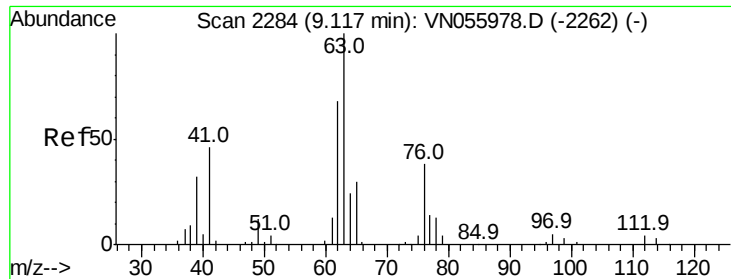
Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Tgt Ion:	130	Resp:	166465
Ion Ratio	Lower	Upper	
130	100		
95	90.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 52.166 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 148803

Ion Ratio Lower Upper

63 100

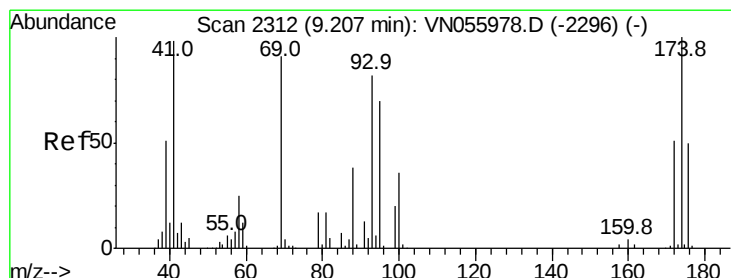
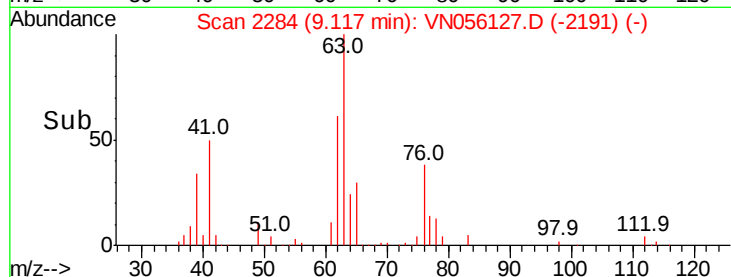
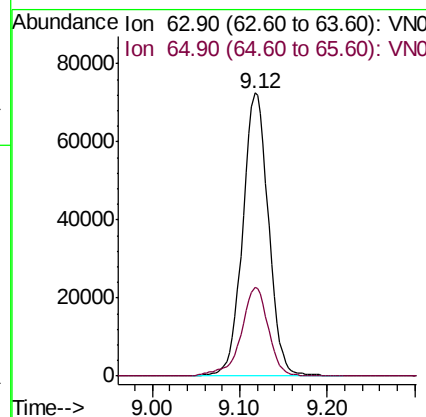
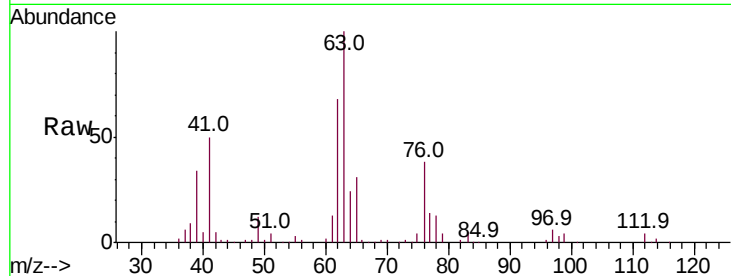
65 31.2 24.6 36.8

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6/10/2019 11:26:15 AM



#46

Dibromomethane

Concen: 52.187 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

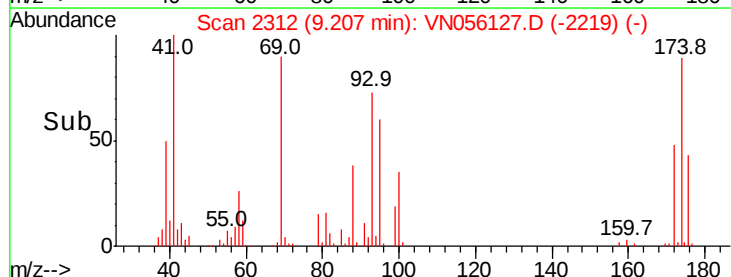
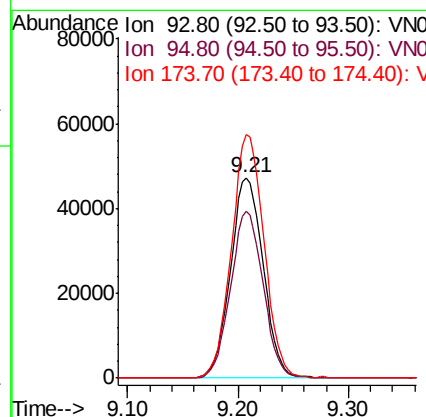
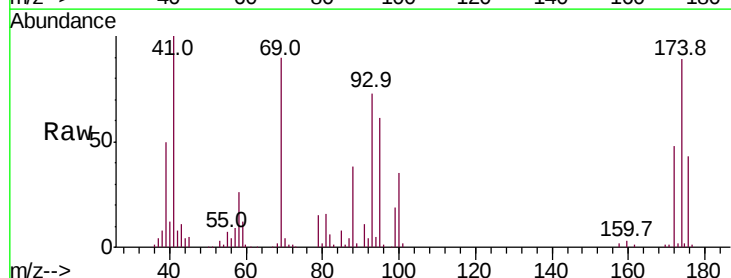
Tgt Ion: 93 Resp: 97345

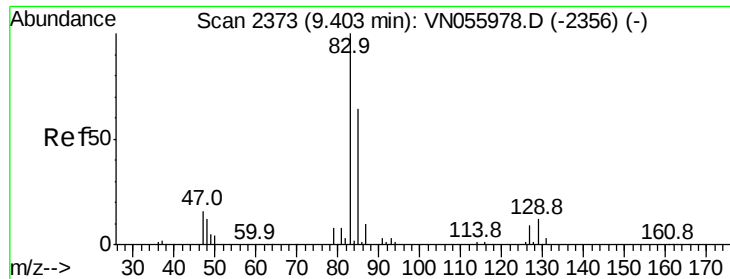
Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 120.5 96.4 144.6





#47

Bromodichloromethane

Concen: 50.929 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

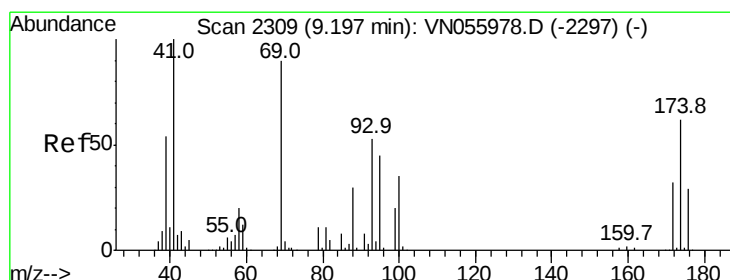
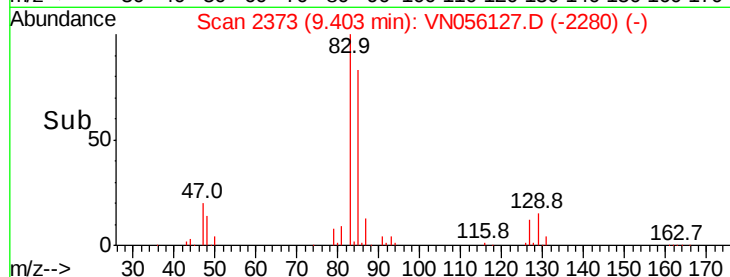
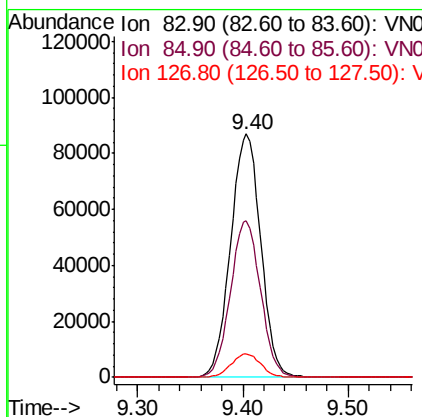
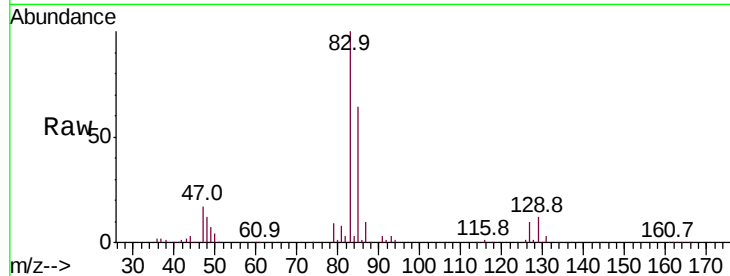
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172177
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.2	78.2
127	9.6	7.4	11.0

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#48

Methyl methacrylate

Concen: 55.617 ug/l

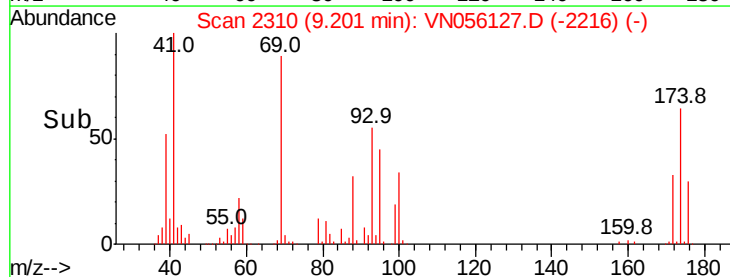
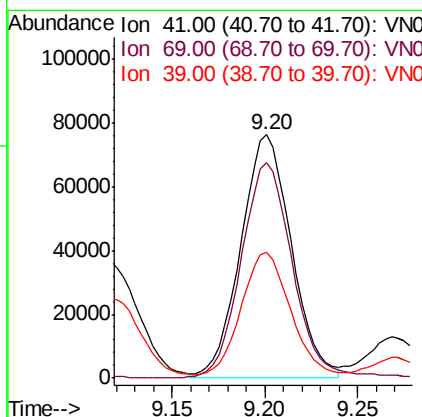
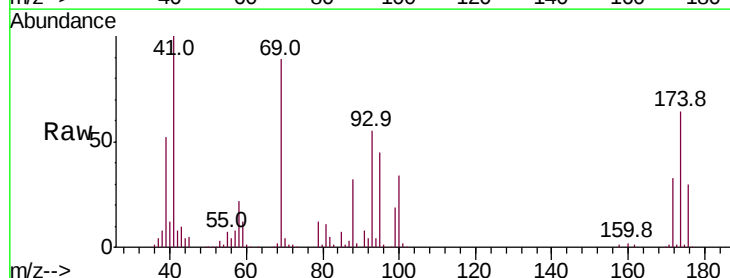
RT: 9.20 min Scan# 2310

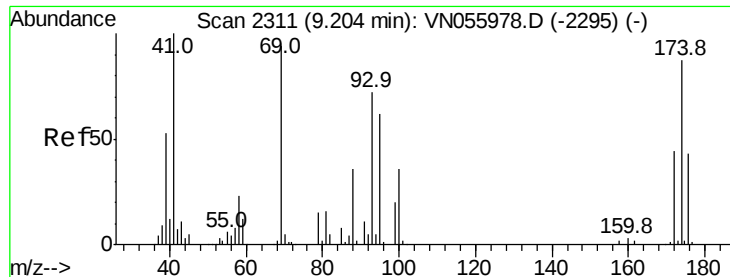
Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Tgt Ion:	41	Resp:	143846
Ion Ratio	Lower	Upper	
41	100		
69	90.5	71.0	106.6
39	51.3	44.2	66.2





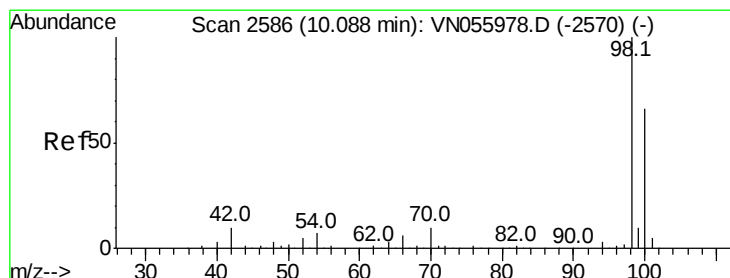
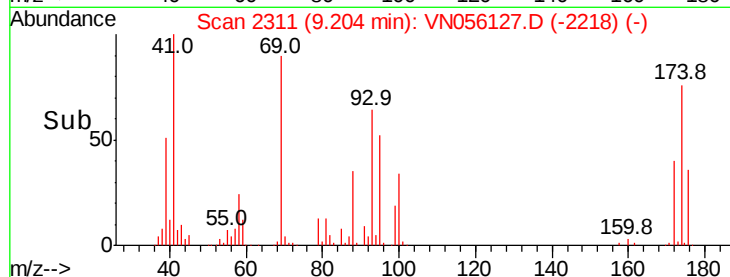
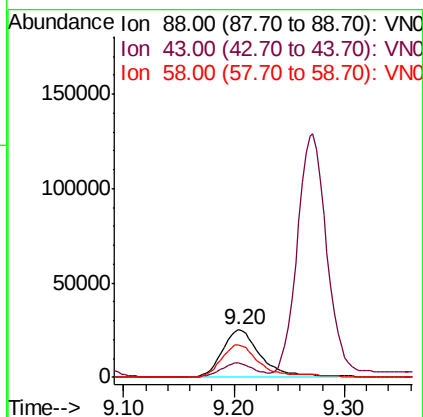
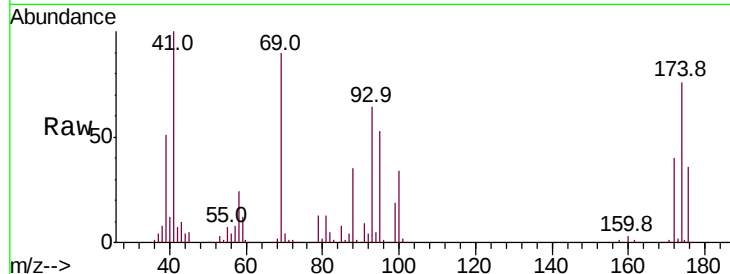
#49
1,4-Dioxane
Concen: 1100.439 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.5	20.5	30.7
58	65.2	55.8	83.6

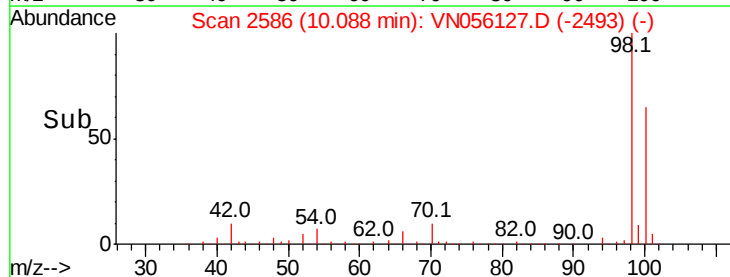
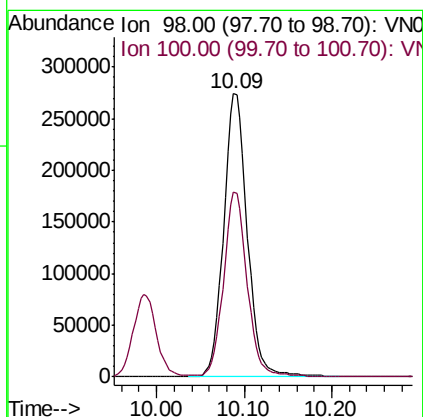
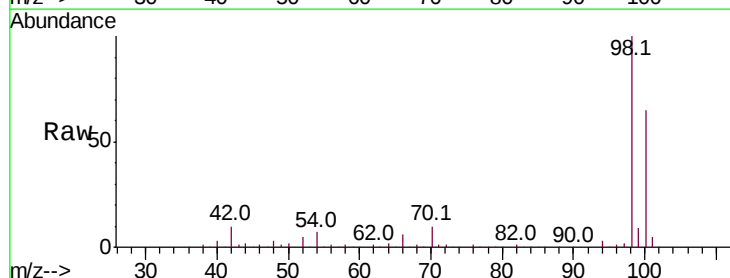
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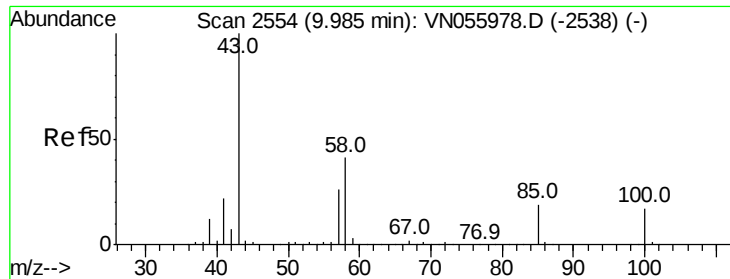
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6/10/2019 11:26:15 AM



#50
Toluene-d8
Concen: 51.146 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 281.841 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Tot Ion: 43 Resp: 931767

Ion Ratio Lower Upper

43 100

58 40.6 32.1 48.1

Instrument :

MSVOA_N

ClientSampled :

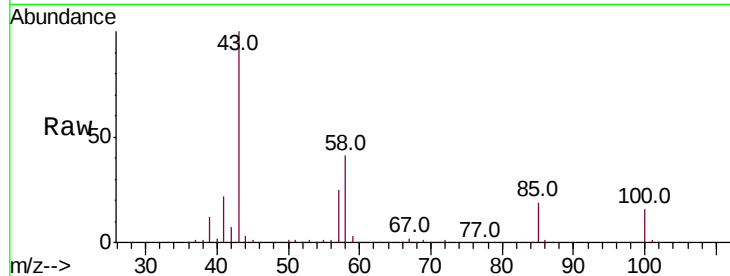
VSTDCCC050EC

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500000

400000

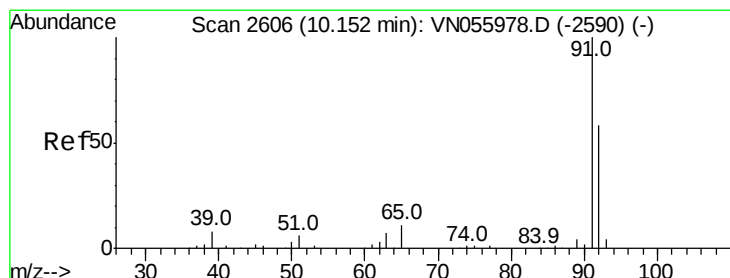
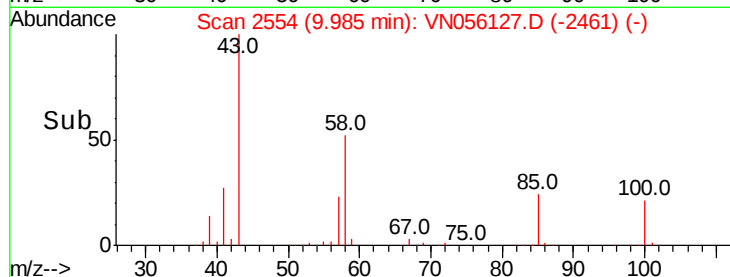
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.212 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056127.D

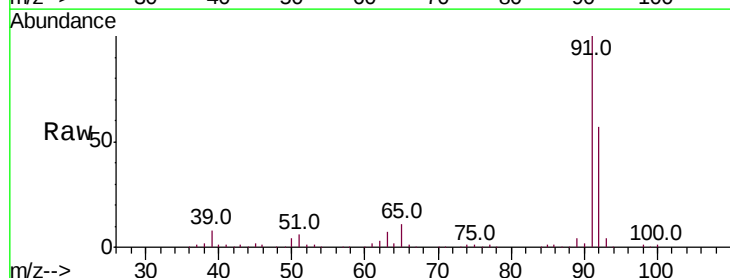
Acq: 8 Jun 2019 3:16

Tgt Ion: 92 Resp: 354884

Ion Ratio Lower Upper

92 100

91 174.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

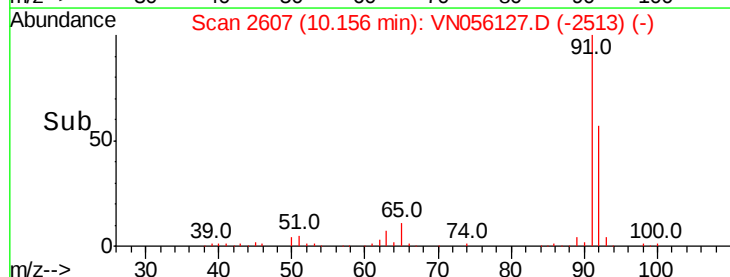
300000

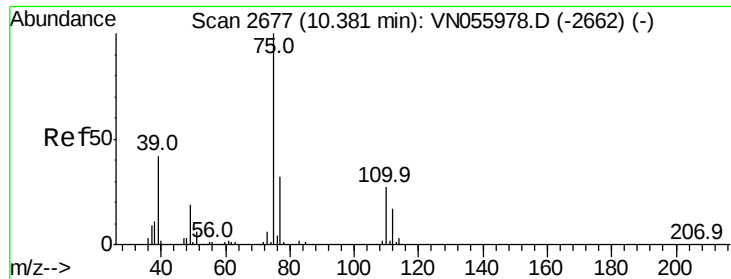
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.838 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 172529

Ion Ratio Lower Upper

75 100

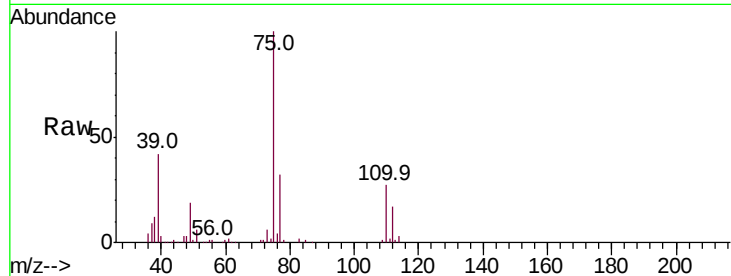
77 32.2 25.8 38.6

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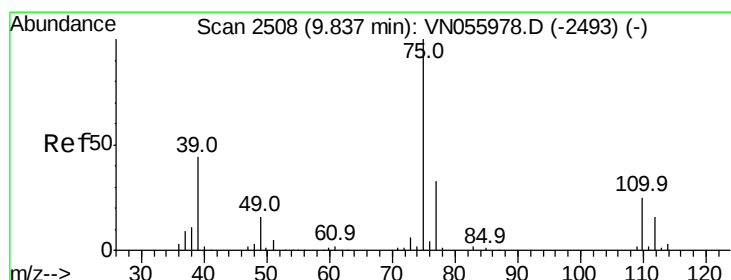
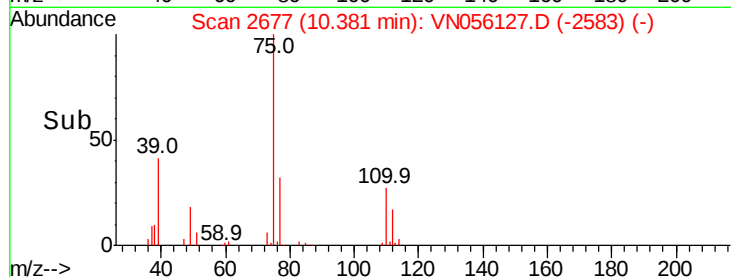
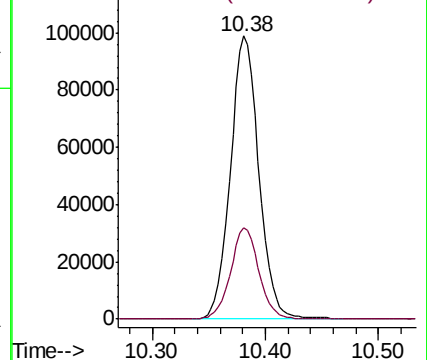
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6/10/2019 11:26:15 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.983 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

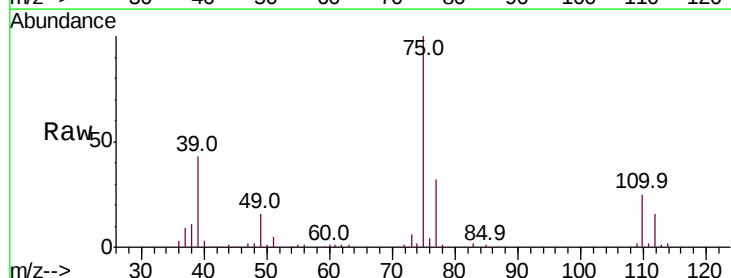
Tgt Ion: 75 Resp: 203116

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

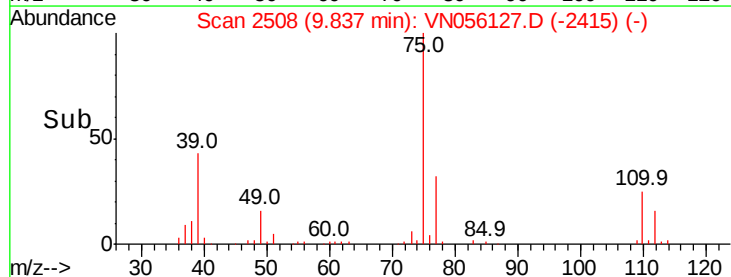
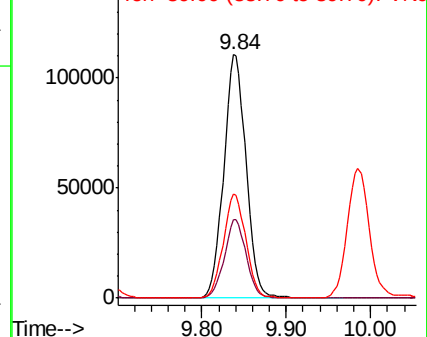
39 42.8 36.3 54.5

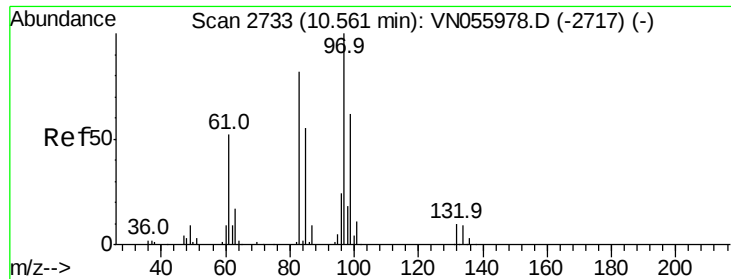


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.356 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 146462

Ion Ratio Lower Upper

97 100

83 85.7 67.0 100.6

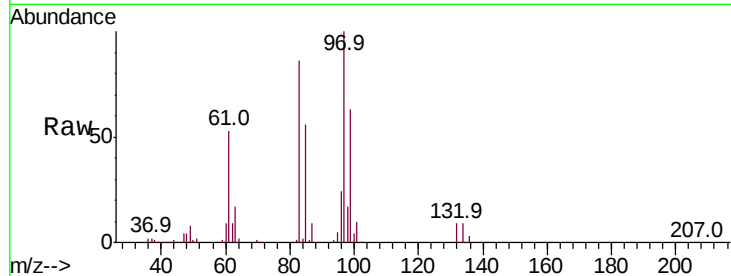
85 55.8 44.0 66.0

99 62.7 50.6 75.8

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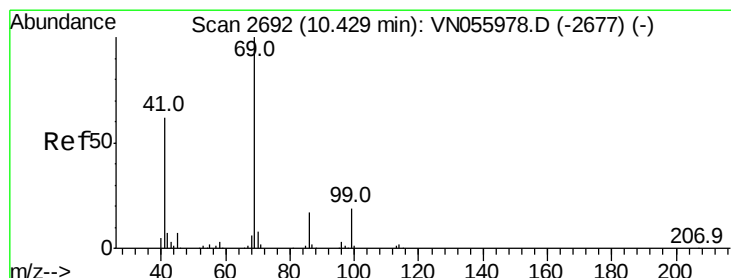
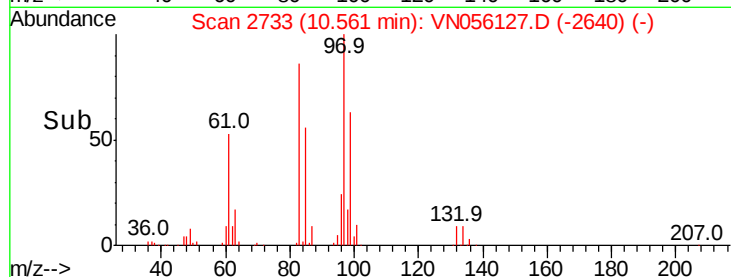
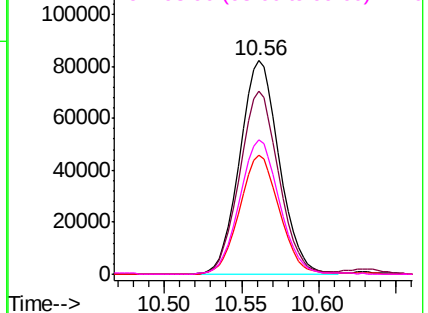
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.151 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

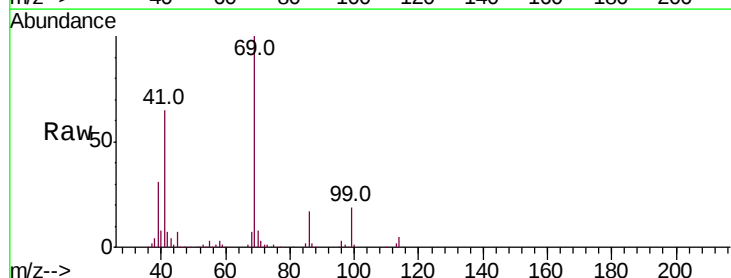
Tgt Ion: 69 Resp: 216853

Ion Ratio Lower Upper

69 100

41 62.6 49.7 74.5

39 29.5 24.7 37.1

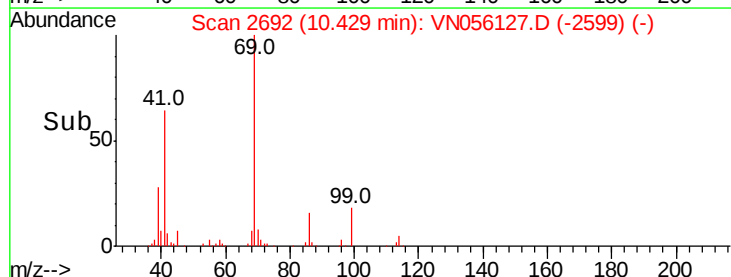
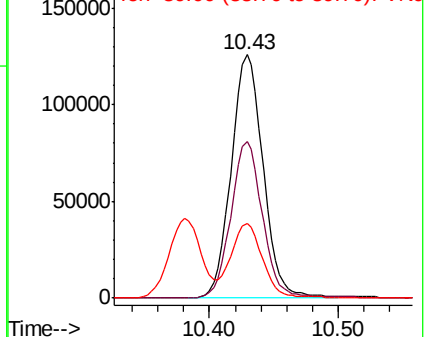


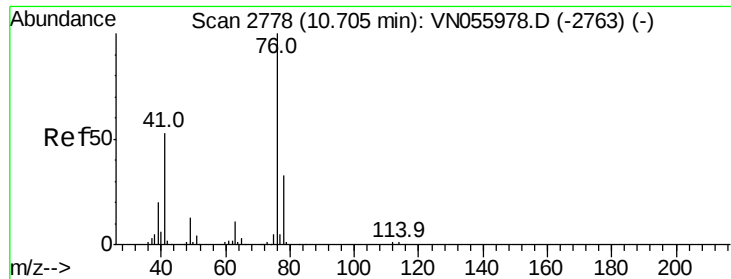
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.511 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 238783

Ion Ratio Lower Upper

76 100

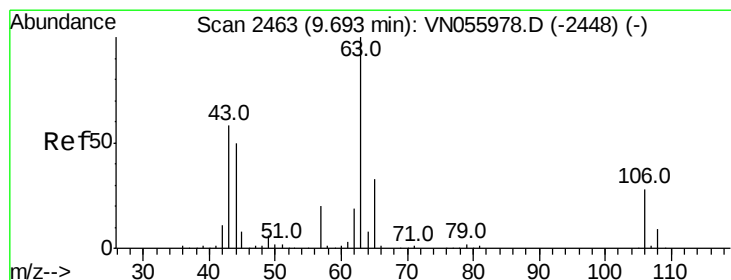
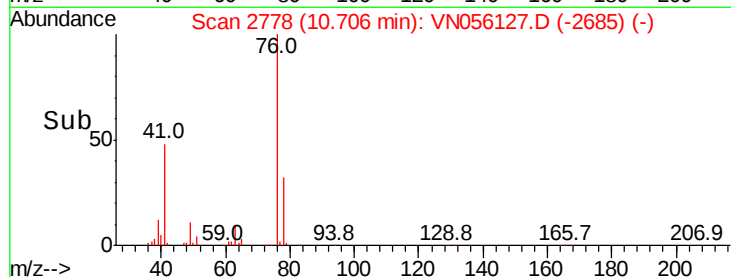
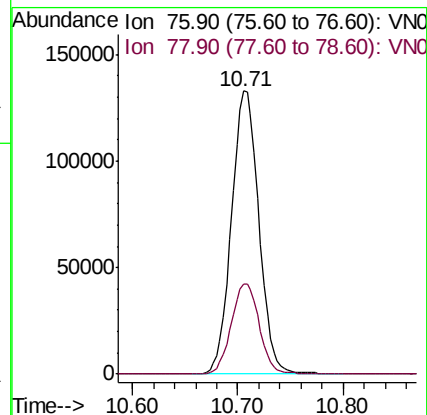
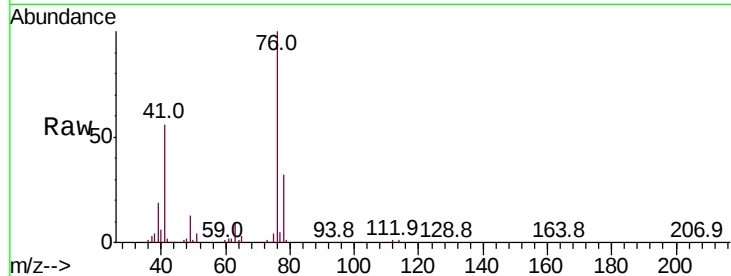
78 32.6 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 253.048 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056127.D

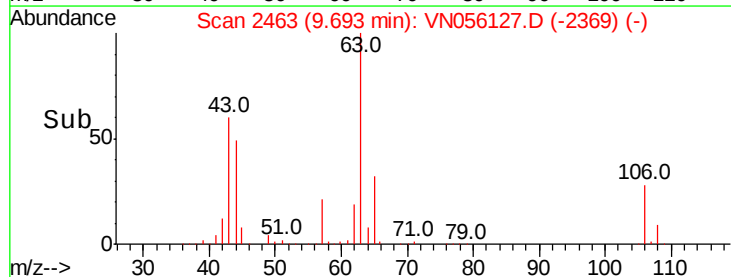
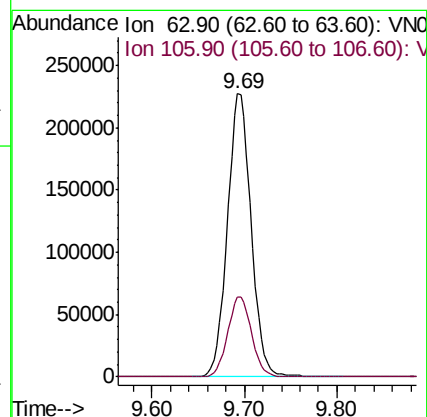
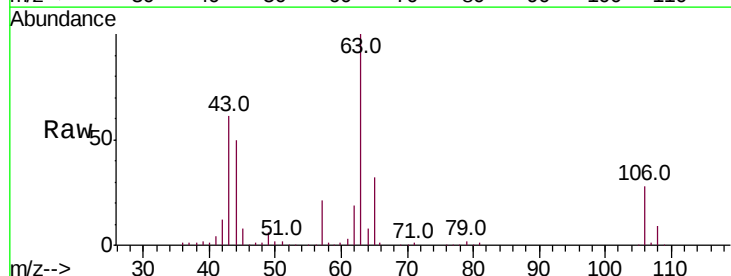
Acq: 8 Jun 2019 3:16

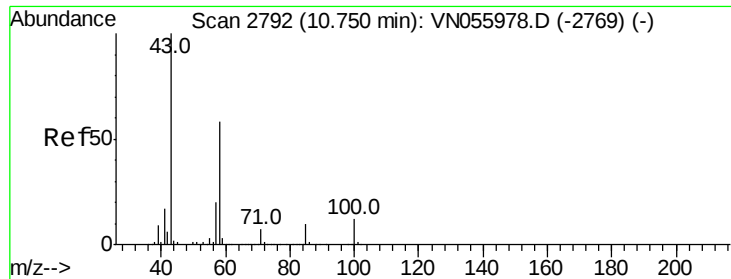
Tgt Ion: 63 Resp: 402089

Ion Ratio Lower Upper

63 100

106 28.4 22.7 34.1





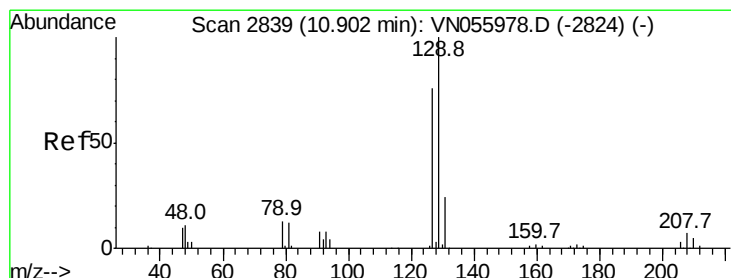
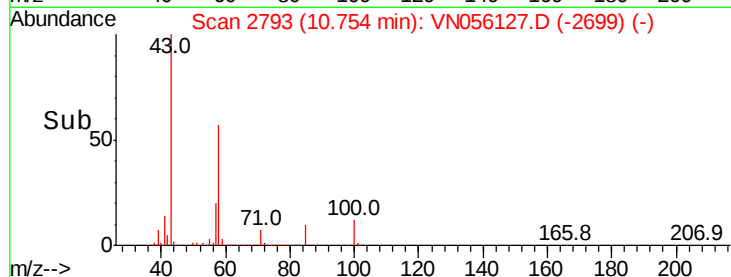
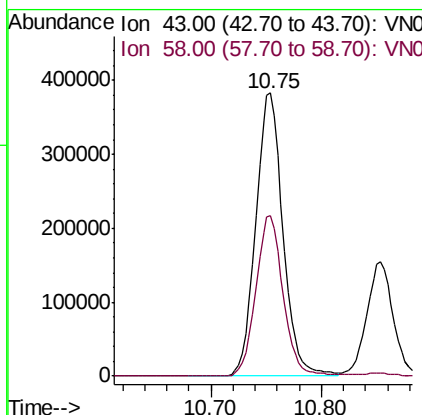
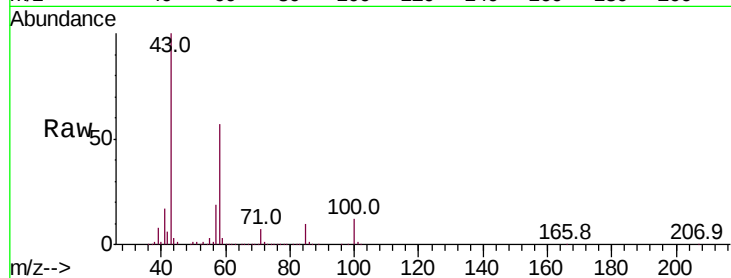
#59
2-Hexanone
Concen: 272.178 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 652171
Ion Ratio Lower Upper
43 100
58 57.1 28.2 84.7

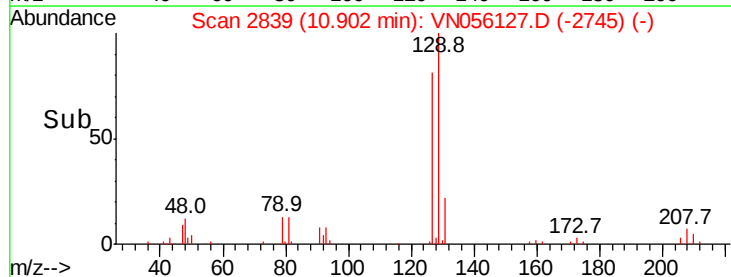
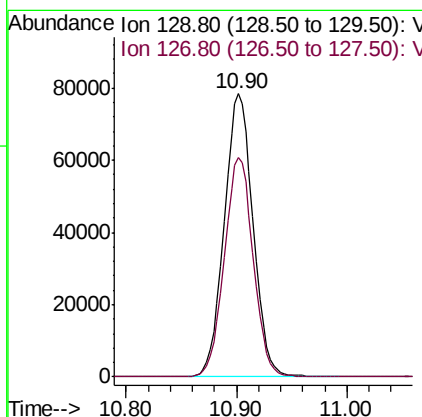
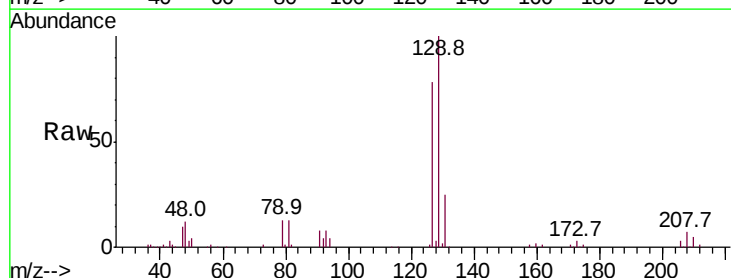
Manual Integrations
APPROVED

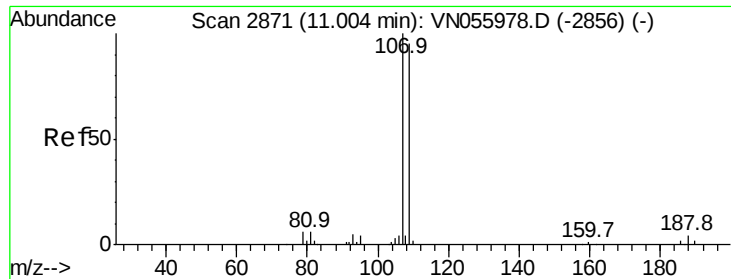
MMDadoda
6/10/2019 11:26:15 AM



#60
Dibromochloromethane
Concen: 47.017 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion: 129 Resp: 141877
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3





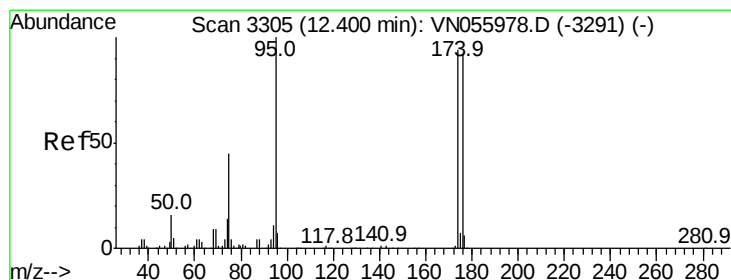
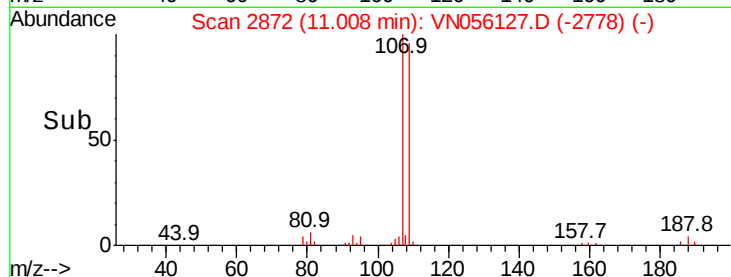
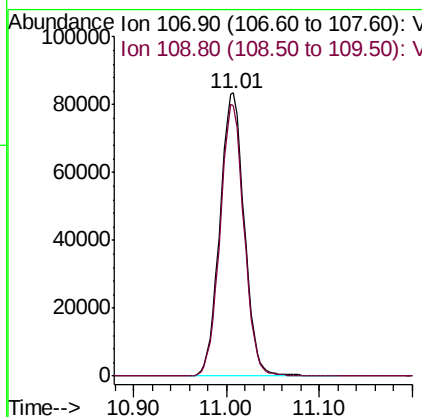
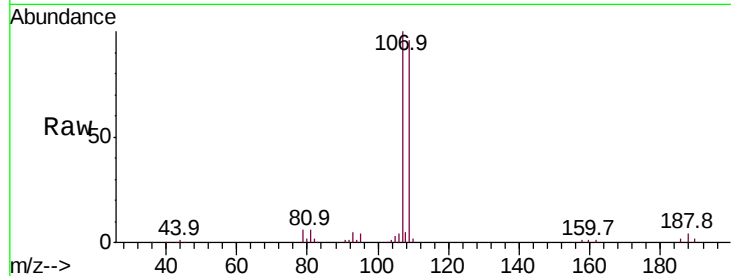
#61
 1,2-Dibromoethane
 Concen: 54.453 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	152806		
109	94.1	74.8	112.2	

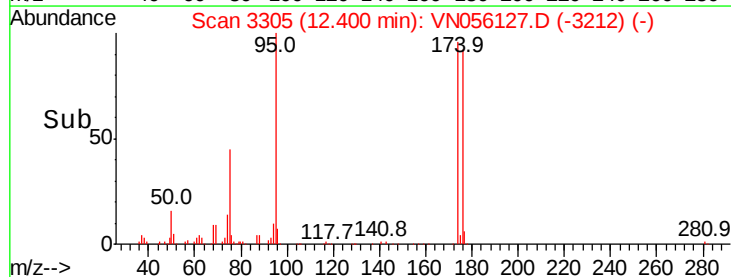
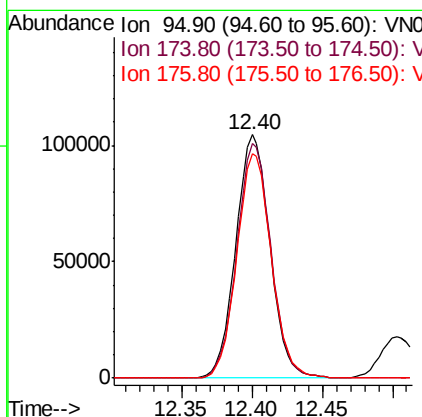
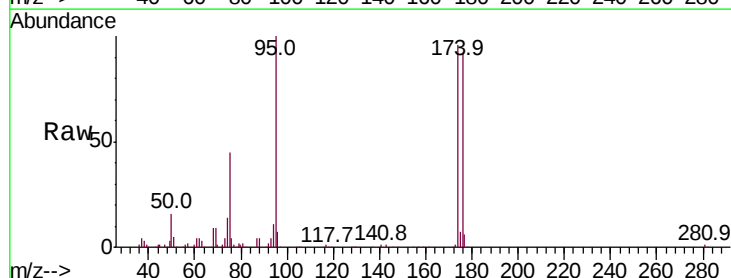
Manual Integrations
 APPROVED

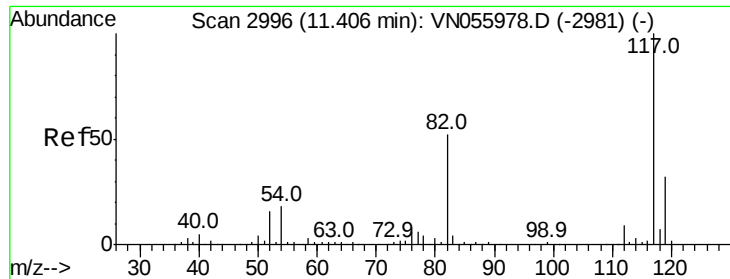
MMDadoda
 6/10/2019 11:26:15 AM



#62
 4-Bromofluorobenzene
 Concen: 51.842 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	177489		
174	96.5	0.0	191.0	
176	93.2	0.0	185.2	





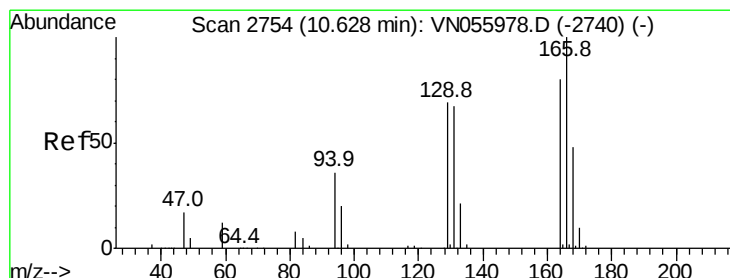
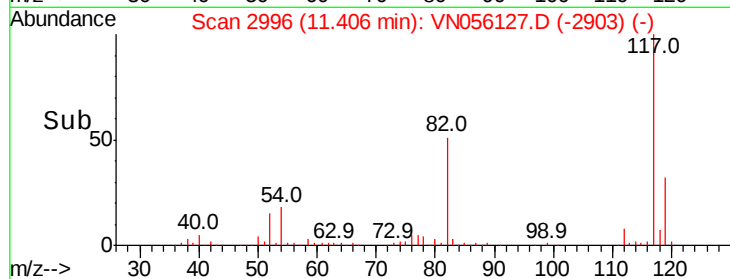
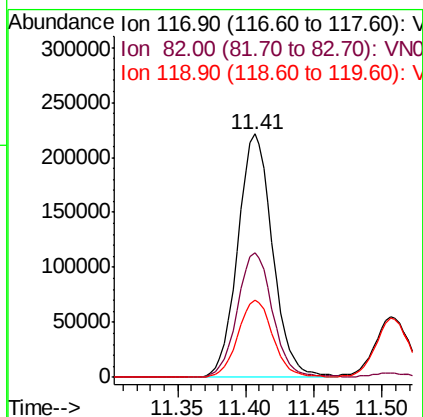
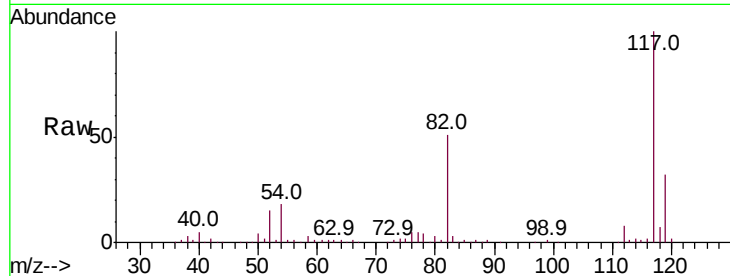
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	392667		
82	51.1	41.8	62.8	
119	31.6	25.4	38.0	

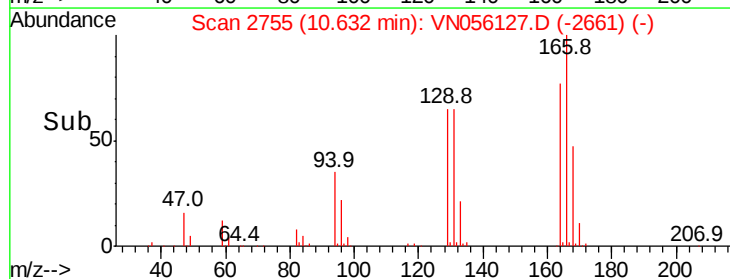
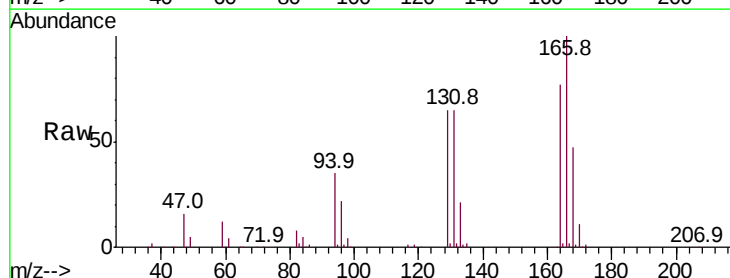
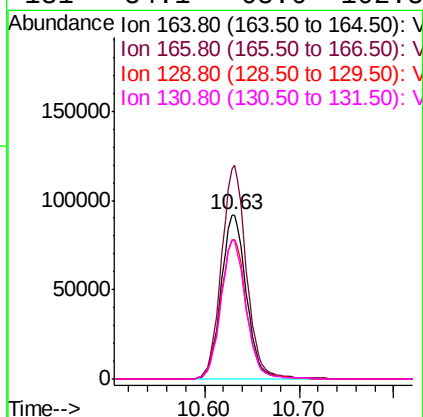
Manual Integrations
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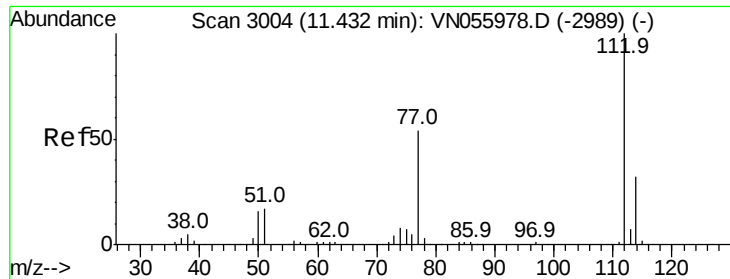
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#64
Tetrachloroethene
Concen: 50.234 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	170745		
166	129.9	103.0	154.6	
129	85.1	70.6	105.8	
131	84.1	68.6	102.8	





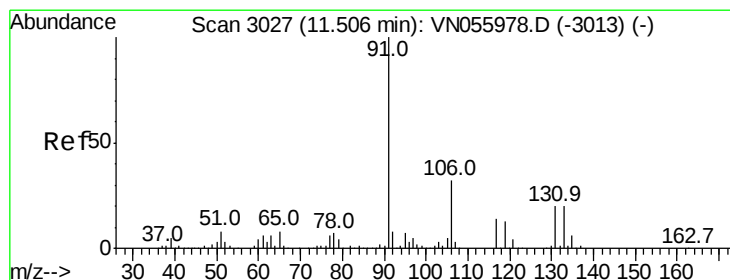
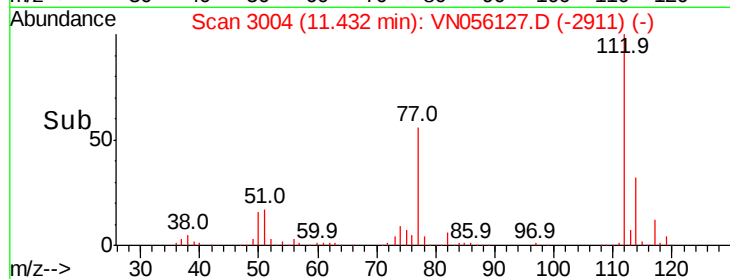
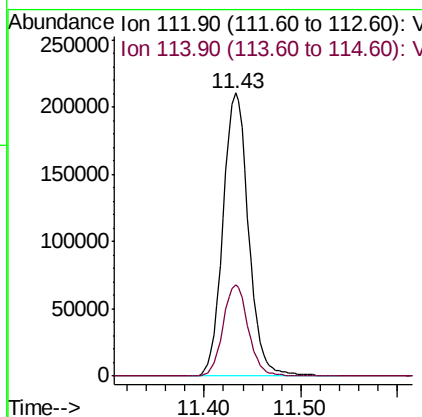
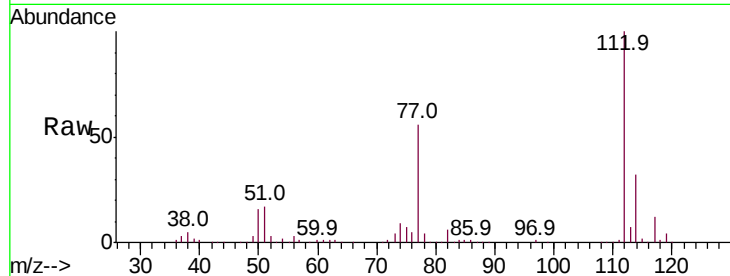
#65
Chlorobenzene
Concen: 49.509 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 386906
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

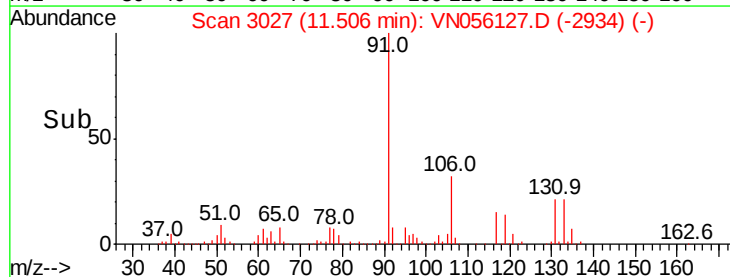
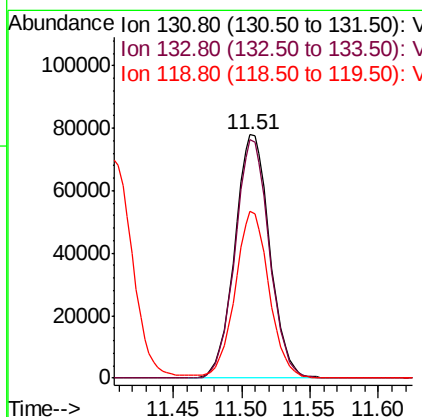
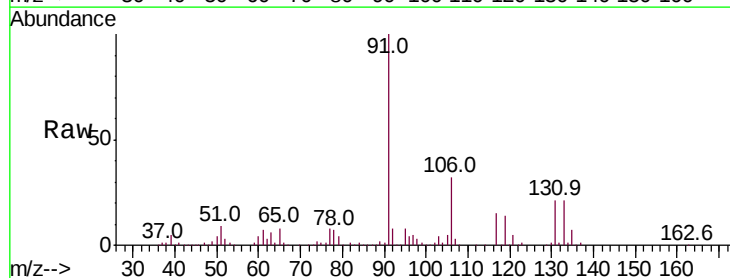
Manual Integrations
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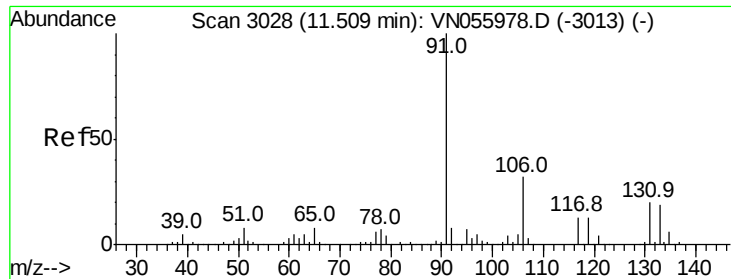
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.259 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion:131 Resp: 138315
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 66.5 33.1 99.5





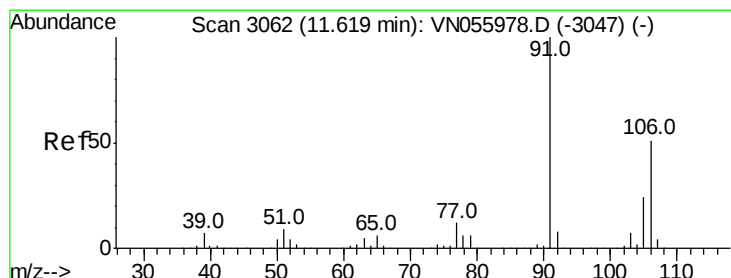
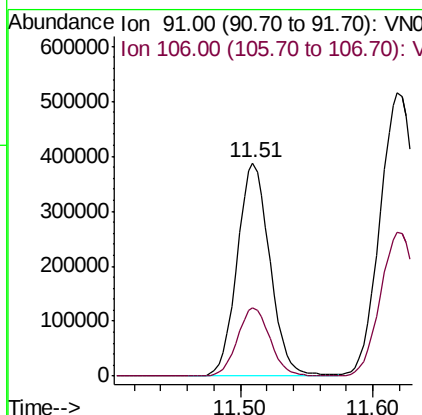
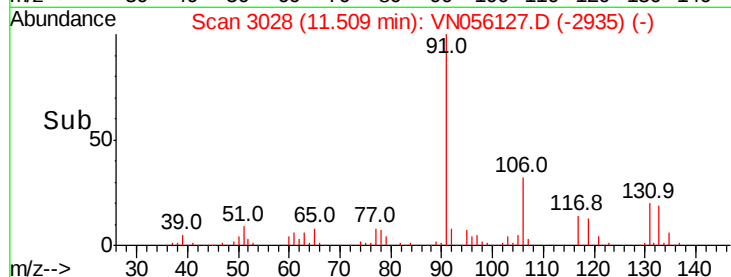
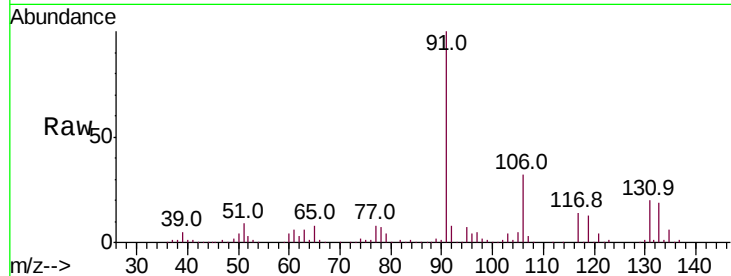
#67
Ethyl Benzene
Concen: 48.998 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 665819
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

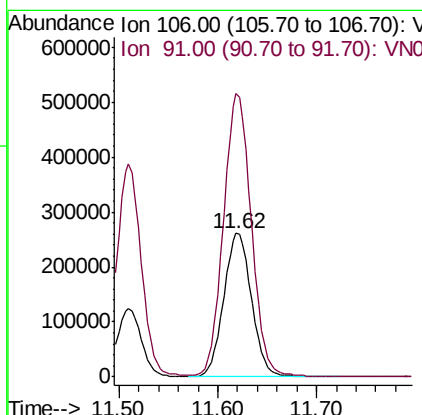
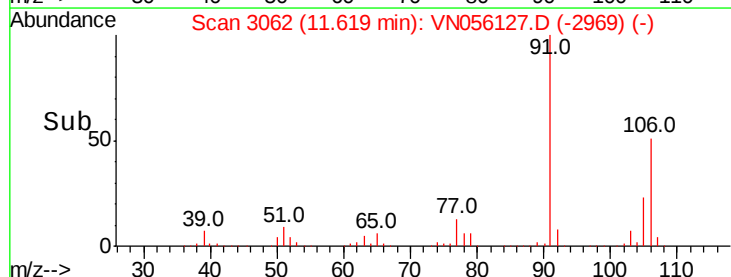
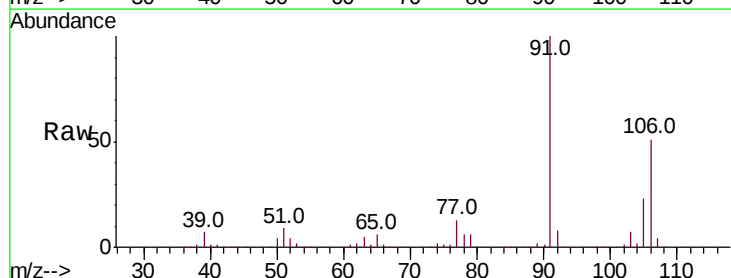
Manual Integrations
APPROVED

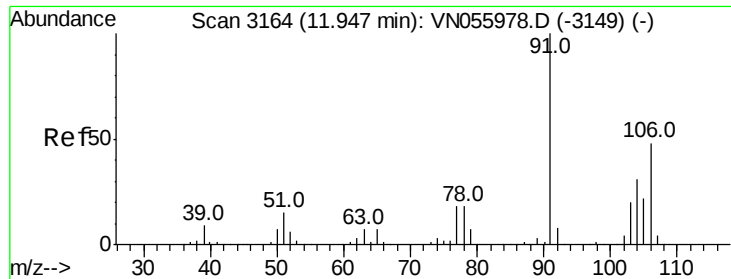
MMDadoda
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#68
m/p-Xylenes
Concen: 99.730 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion: 106 Resp: 517705
Ion Ratio Lower Upper
106 100
91 197.3 159.3 238.9





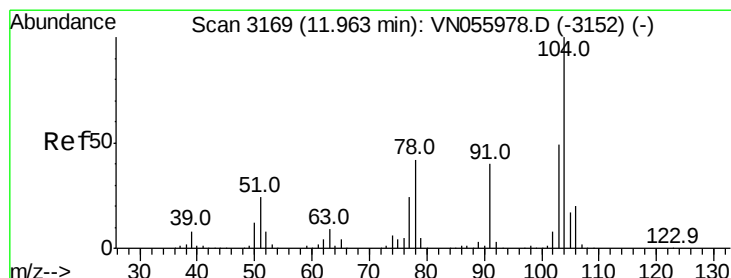
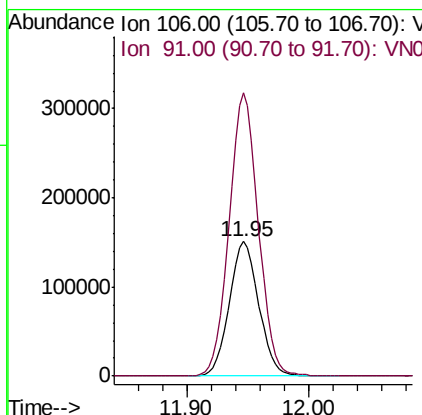
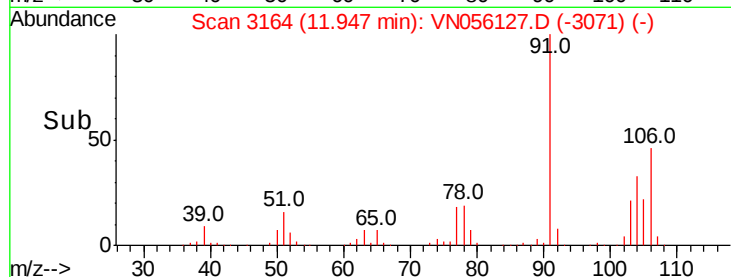
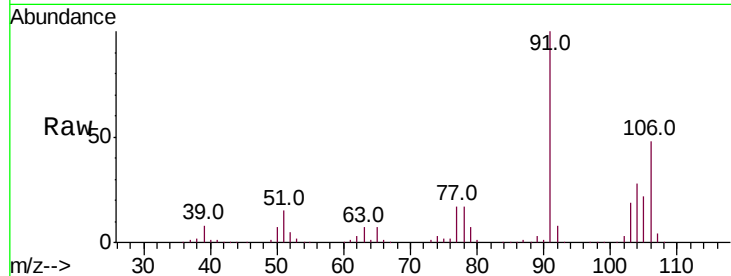
#69
o-Xylene
Concen: 49.775 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 254162
Ion Ratio Lower Upper
106 100
91 208.5 104.7 314.1

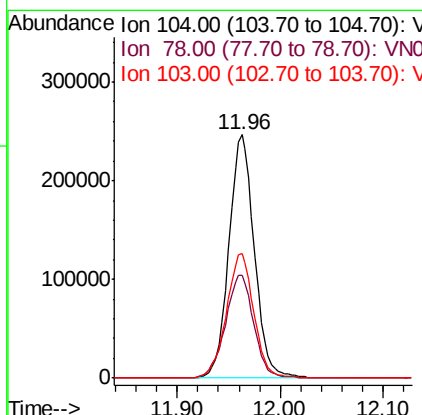
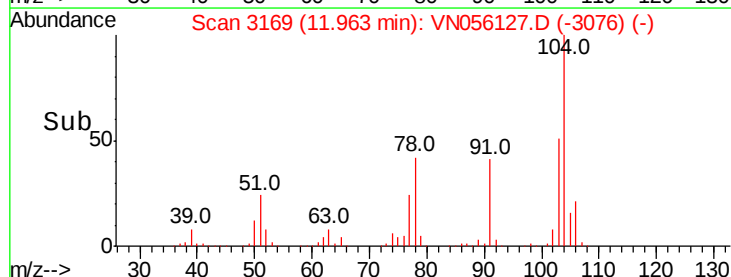
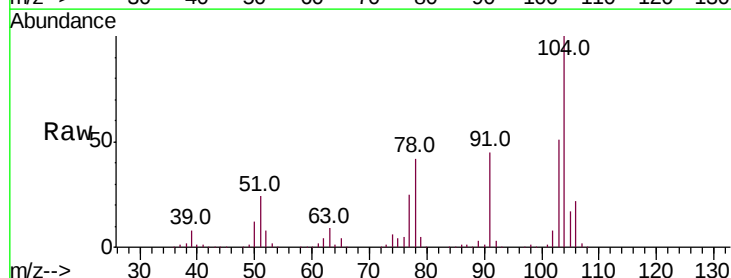
Manual Integrations
APPROVED

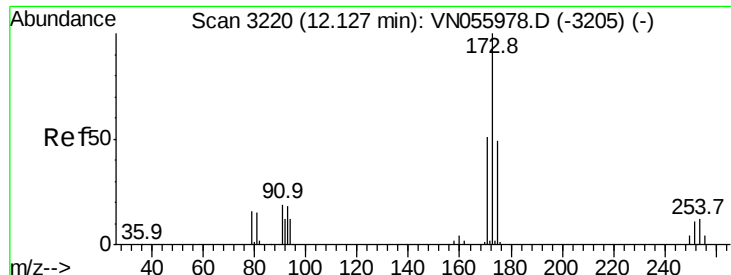
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#70
Styrene
Concen: 52.274 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion:104 Resp: 424107
Ion Ratio Lower Upper
104 100
78 47.1 37.8 56.6
103 55.2 44.2 66.2





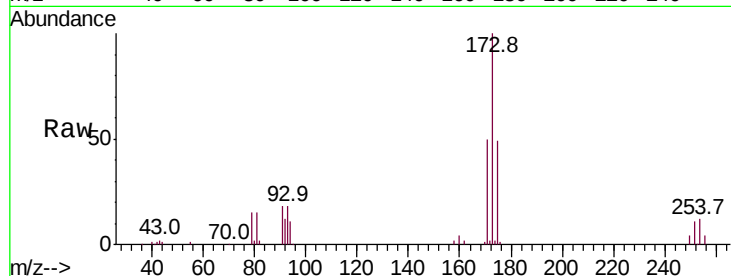
#71
Bromoform
Concen: 44.918 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0

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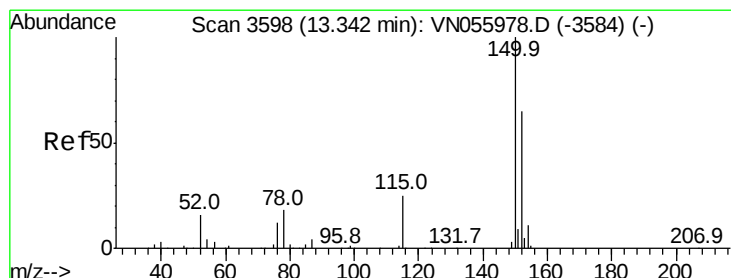
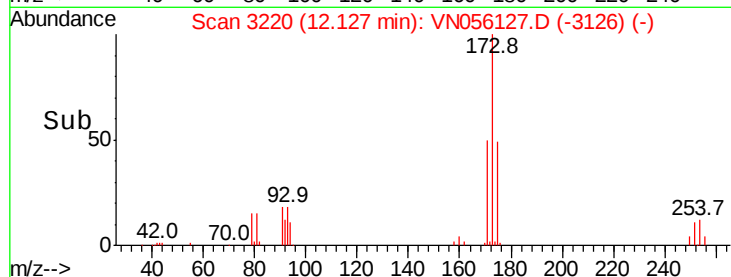
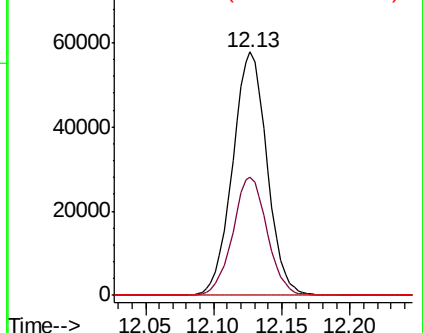


Abundance

Ion 172.70 (172.40 to 173.40): V

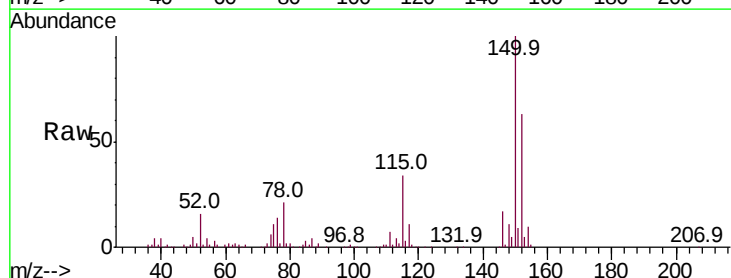
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.0	81.0
150	174.3	0.0	343.2

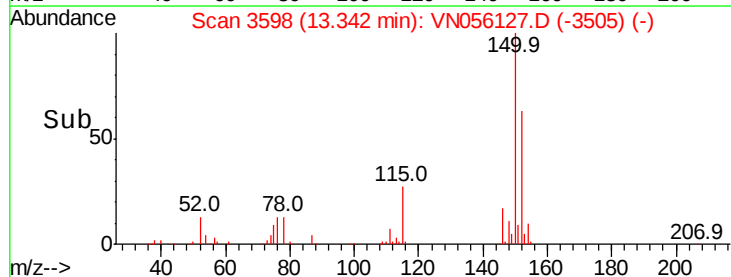
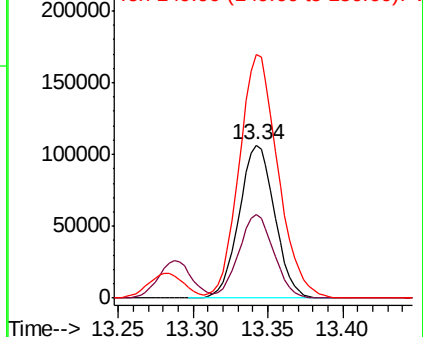


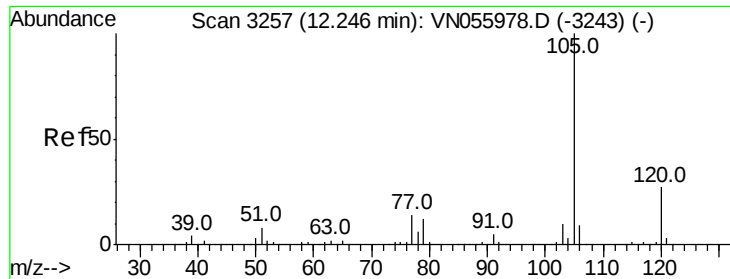
Abundance

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: 53.530 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 667774

Ion Ratio Lower Upper

105 100

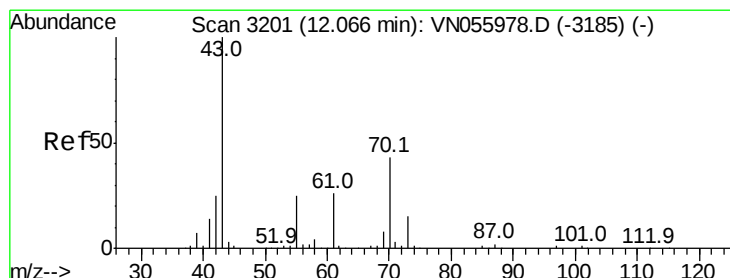
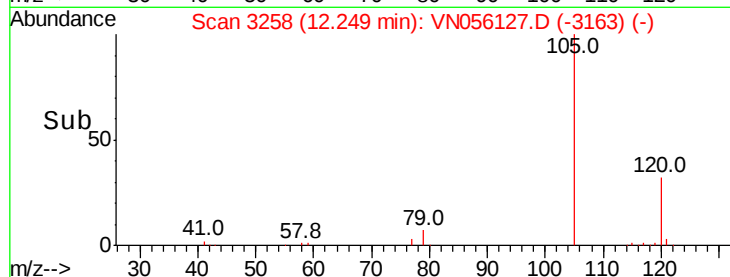
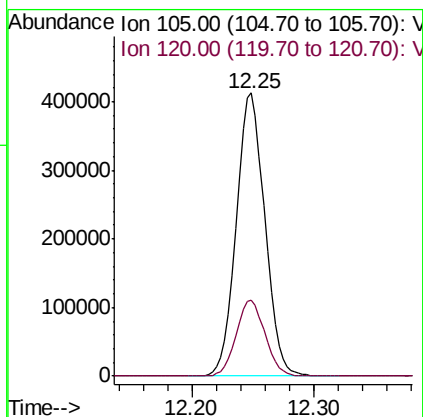
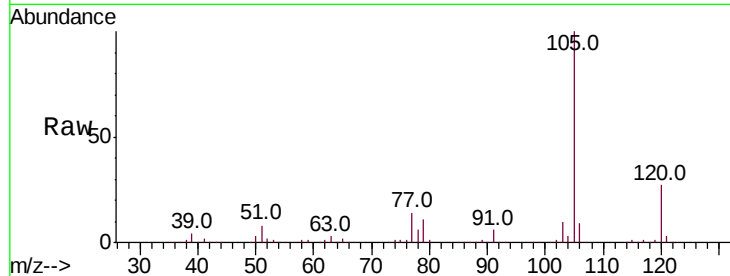
120 27.1 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.162 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Tgt Ion: 43 Resp: 239443

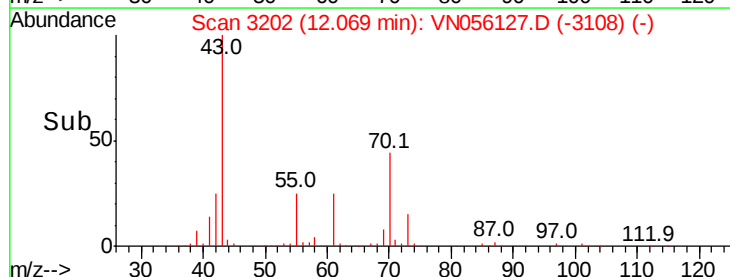
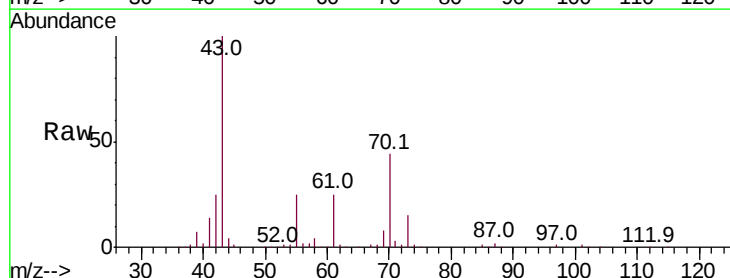
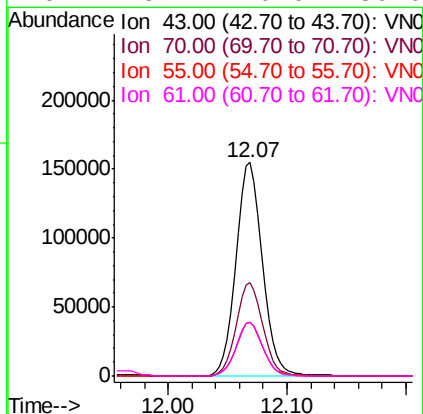
Ion Ratio Lower Upper

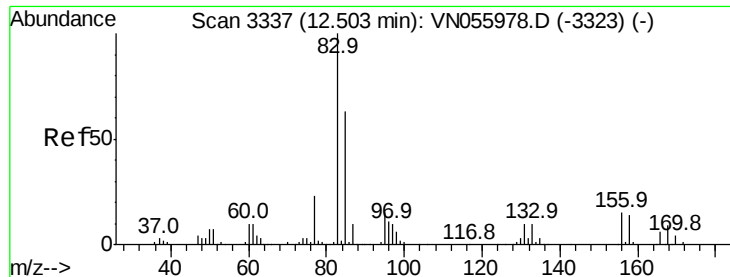
43 100

70 43.9 34.0 51.0

55 25.2 18.6 28.0

61 25.1 20.0 30.0





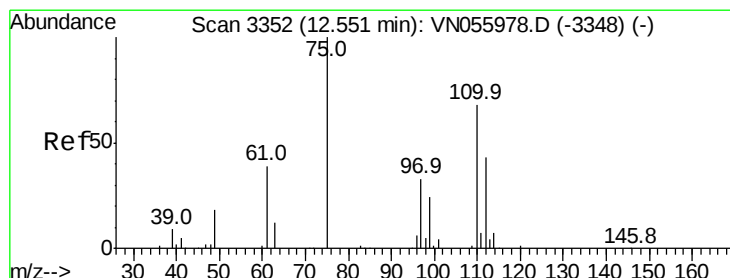
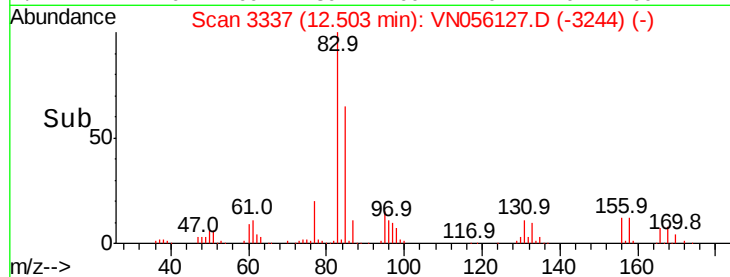
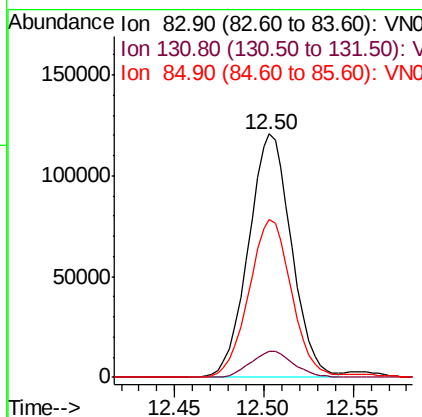
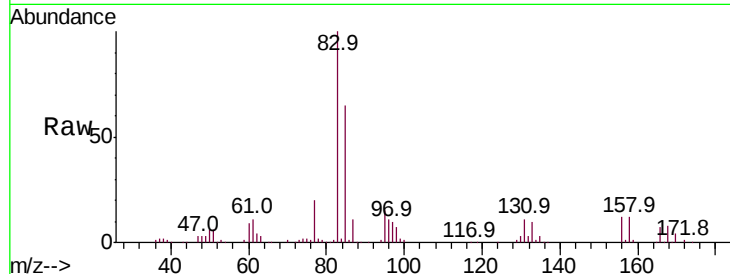
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.791 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	202934		
131	10.7	5.4	16.2	
85	64.4	32.4	97.0	

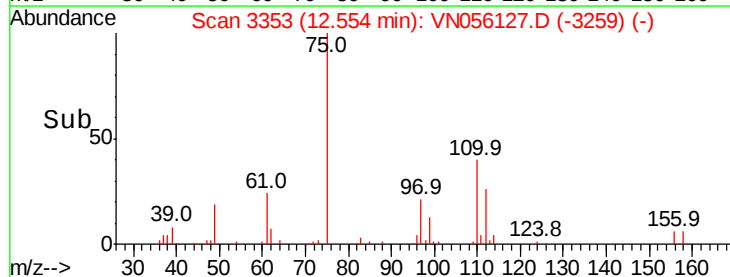
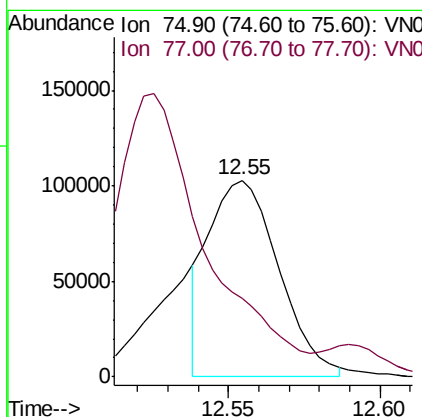
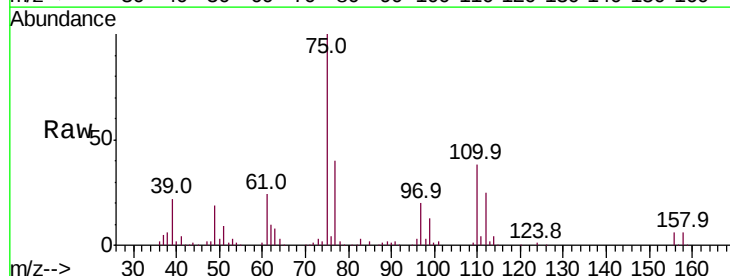
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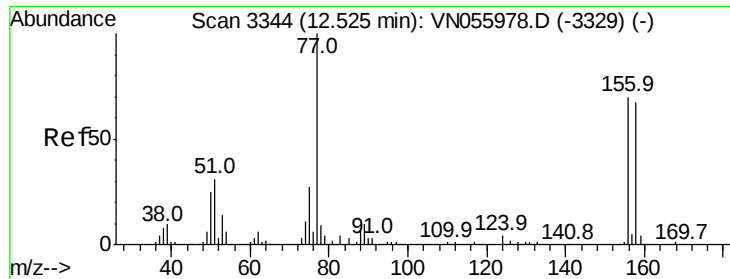
MMDadoda
 6/10/2019 11:26:15 AM



#76
 1,2,3-Trichloropropane
 Concen: 51.127 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	165168		
77	0.0	0.0	0.0	





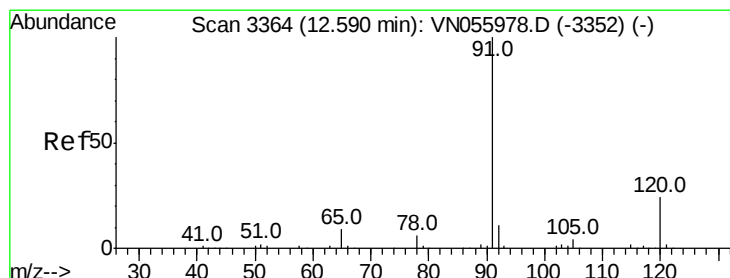
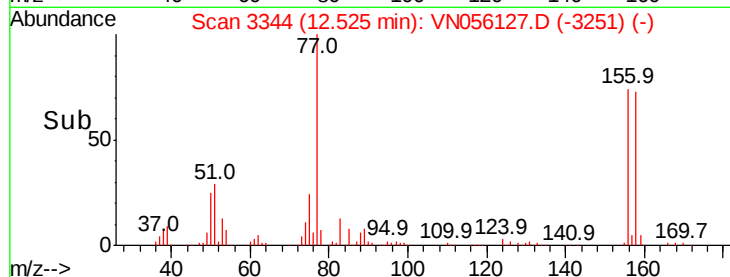
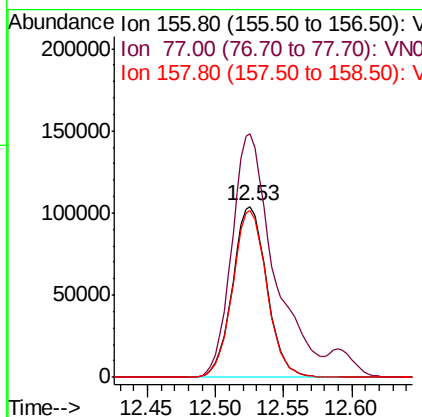
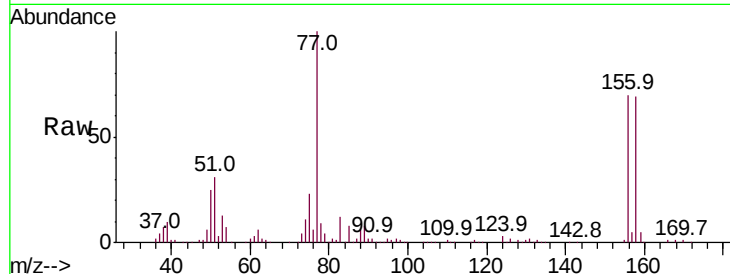
#77
Bromobenzene
Concen: 48.207 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.3	90.8	272.5
158	97.6	49.3	147.8

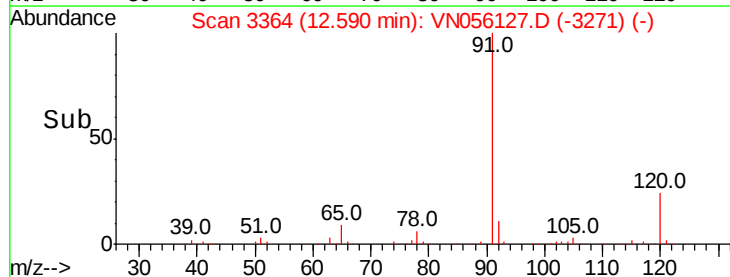
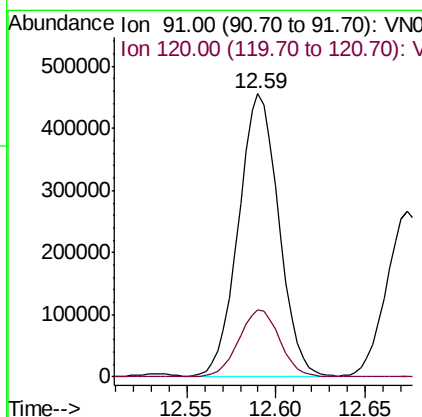
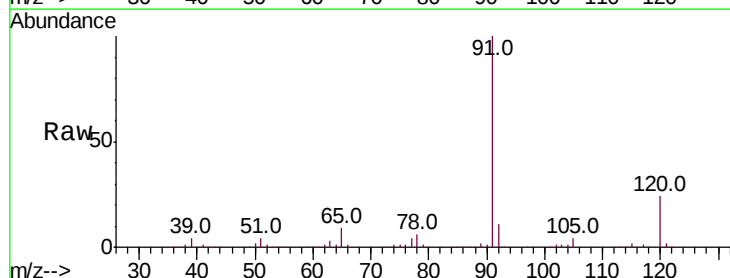
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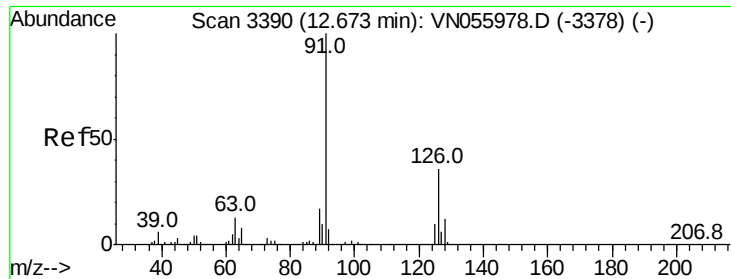
MMDadoda
6/10/2019 11:26:15 AM



#78
n-propylbenzene
Concen: 47.995 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 53.310 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 437928

Ion Ratio Lower Upper

91 100

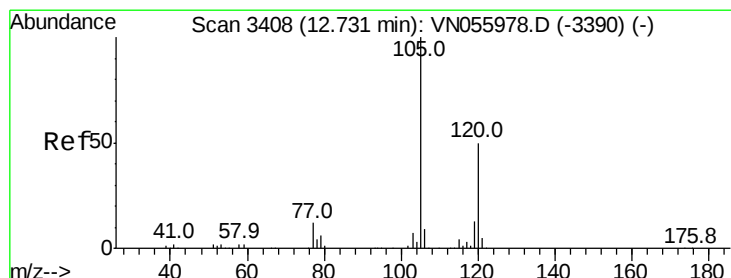
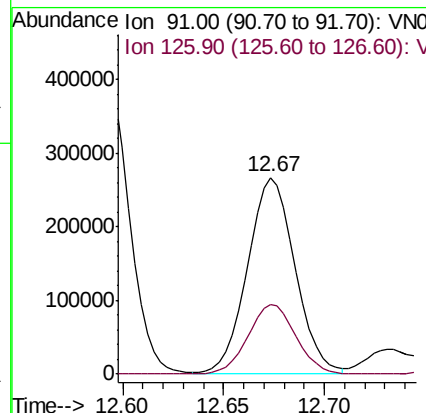
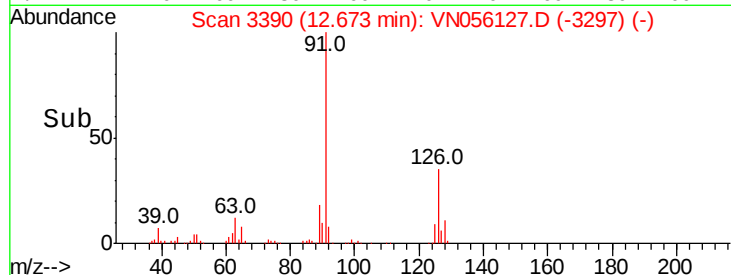
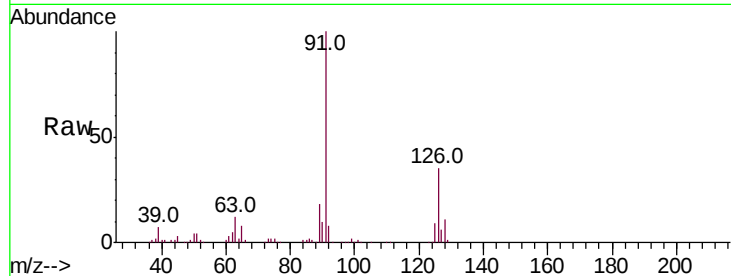
126 35.9 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 46.676 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056127.D

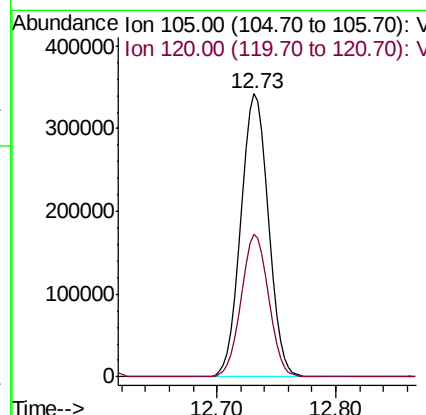
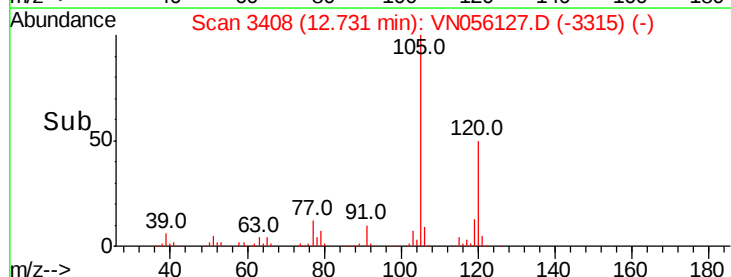
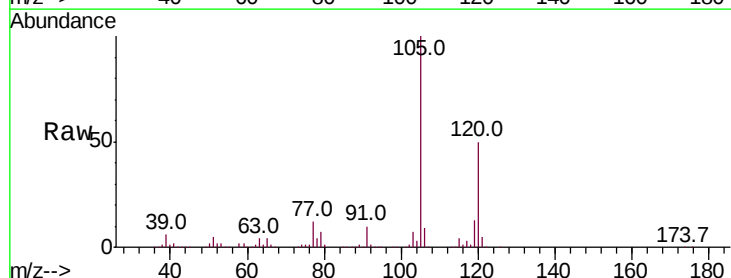
Acq: 8 Jun 2019 3:16

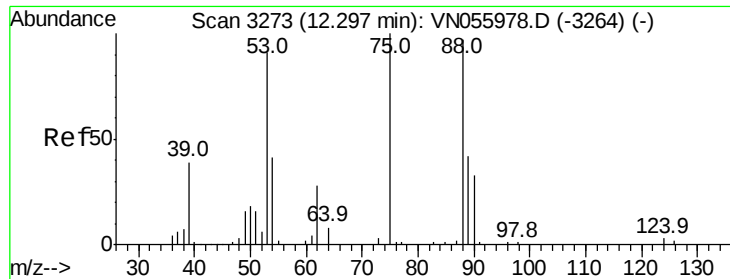
Tgt Ion: 105 Resp: 550988

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 43.385 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 42087

Ion Ratio Lower Upper

75 100

53 101.3 68.1 102.1

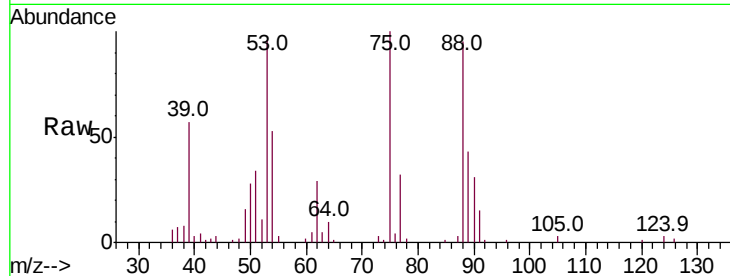
89 44.5 36.9 55.3

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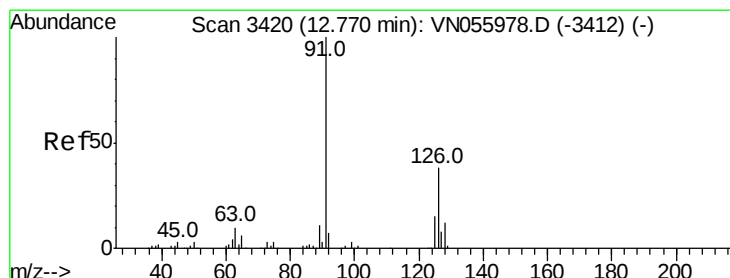
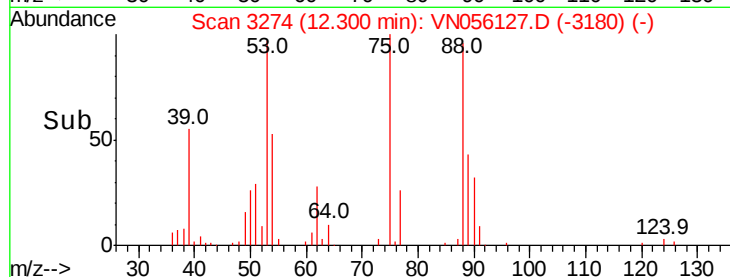
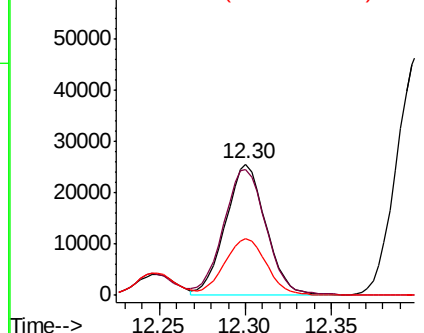
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Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 48.452 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056127.D

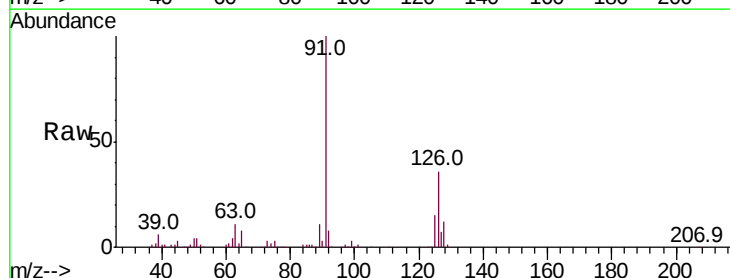
Acq: 8 Jun 2019 3:16

Tgt Ion: 91 Resp: 421031

Ion Ratio Lower Upper

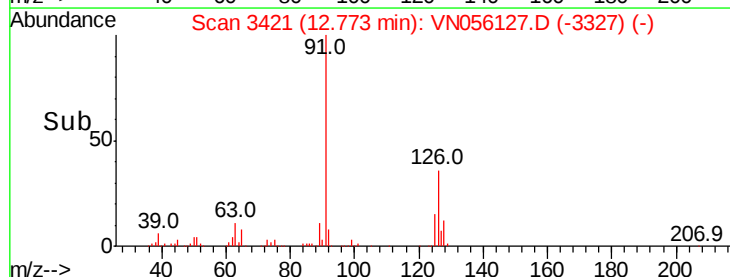
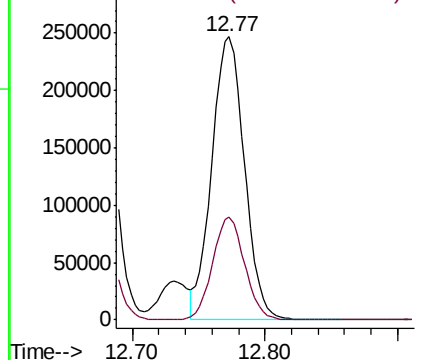
91 100

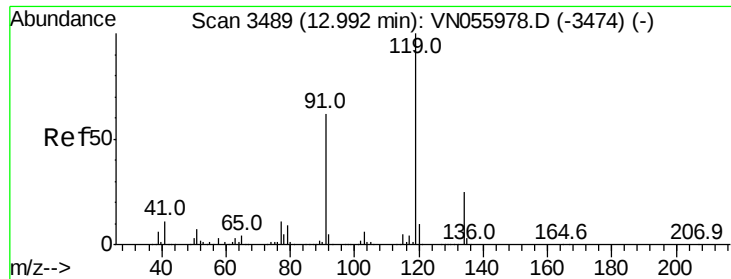
126 35.7 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3412) (-)





#83

tert-Butylbenzene

Concen: 53.708 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

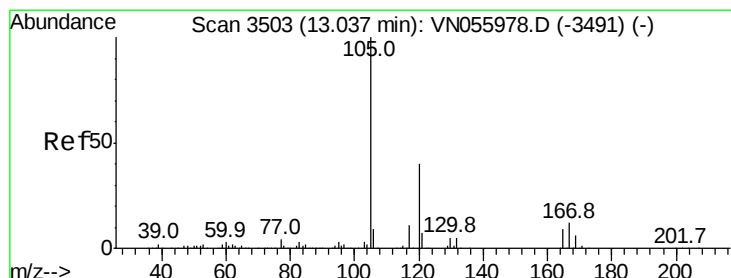
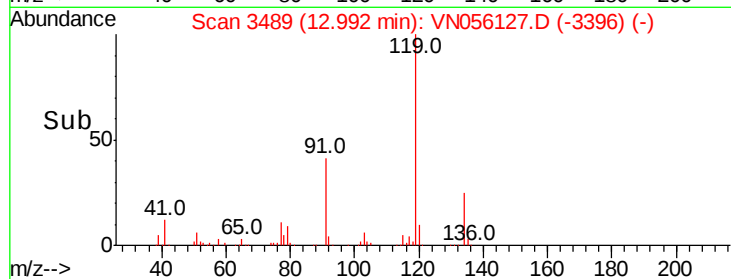
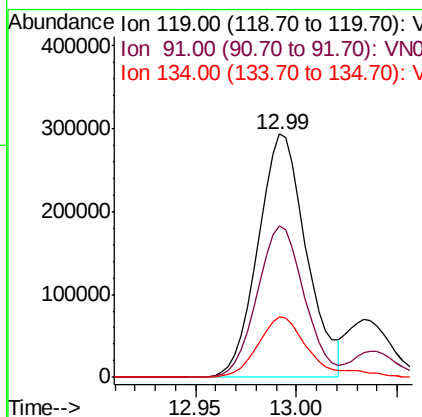
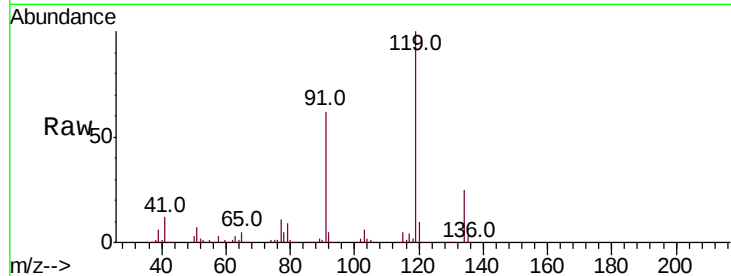
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	490064
Ion Ratio	Lower	Upper	
119	100		
91	60.9	30.9	92.8
134	26.4	13.3	39.8

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#84

1,2,4-Trimethylbenzene

Concen: 47.987 ug/l

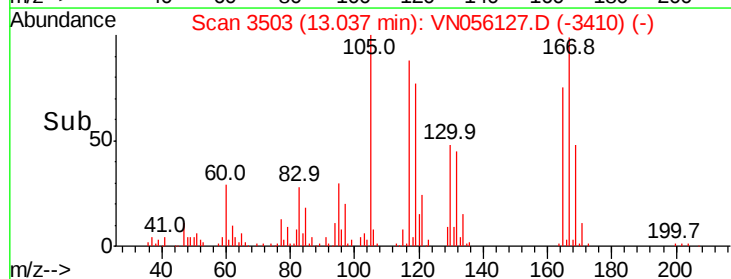
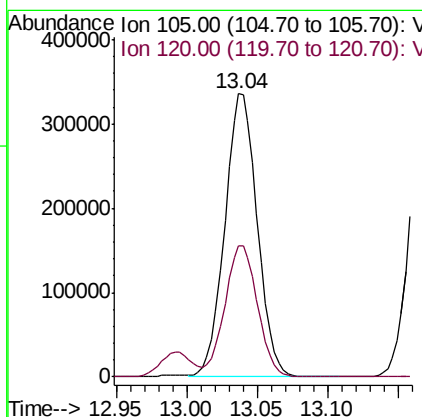
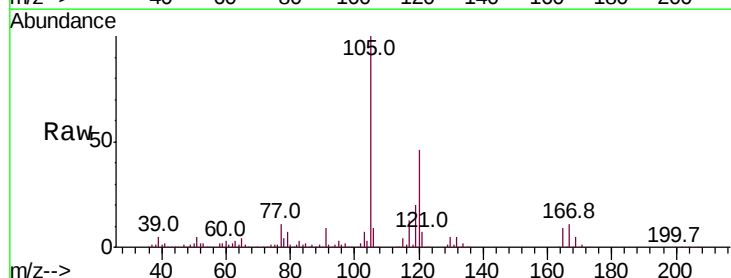
RT: 13.04 min Scan# 3503

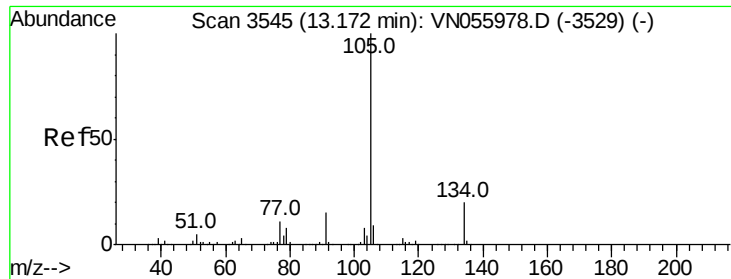
Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Tgt Ion:	105	Resp:	537188
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.0	69.0





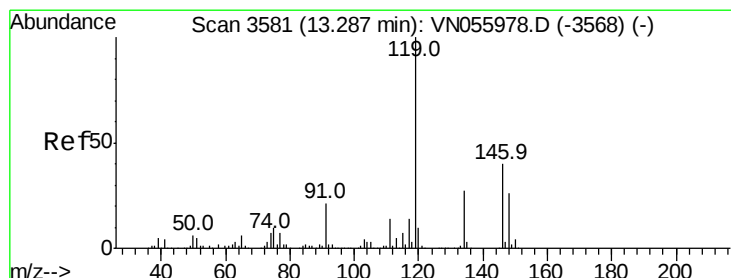
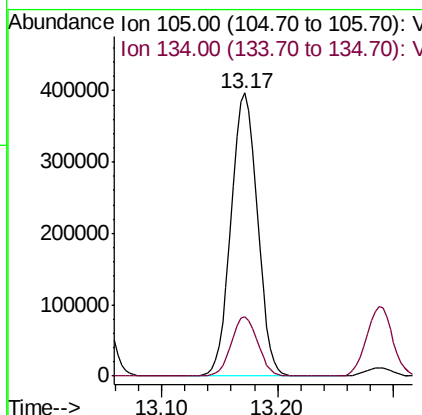
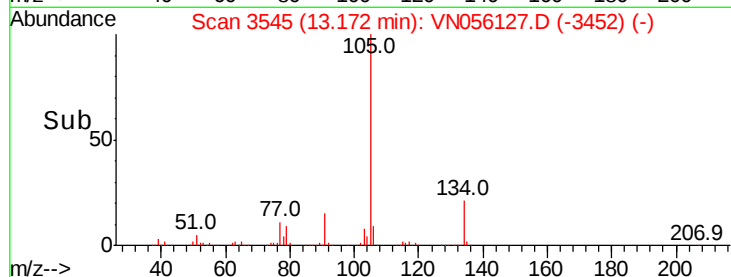
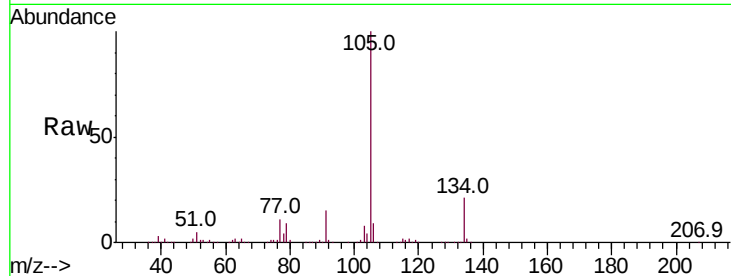
#85
 sec-Butylbenzene
 Concen: 47.527 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 625165
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.2

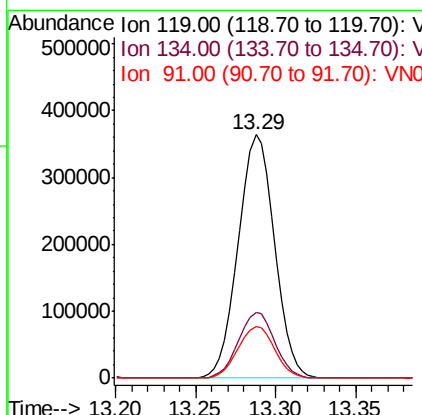
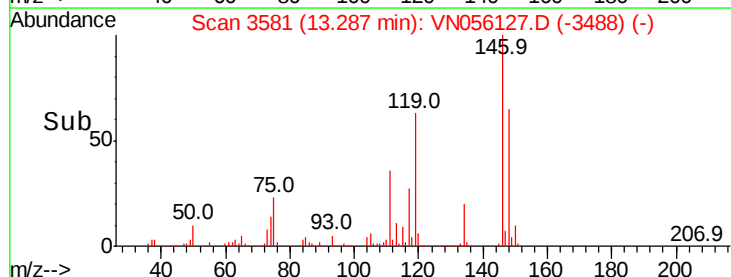
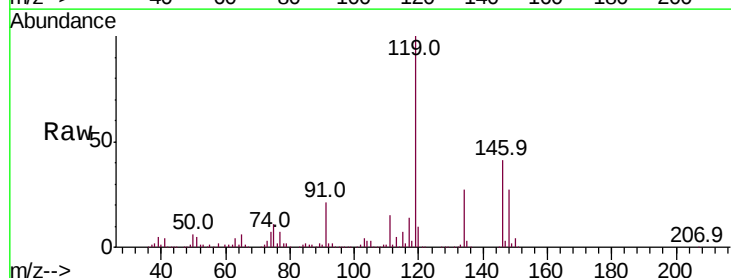
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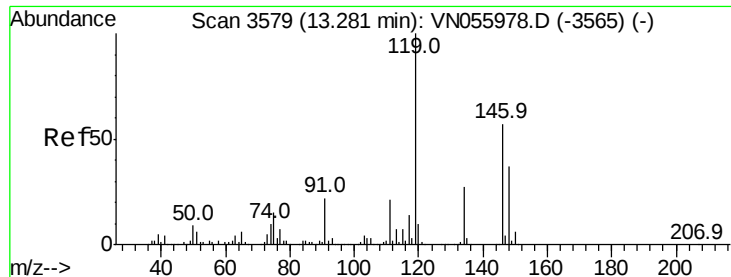
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#86
 p-Isopropyltoluene
 Concen: 47.571 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion:119 Resp: 560016
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.1
 91 21.5 10.9 32.9





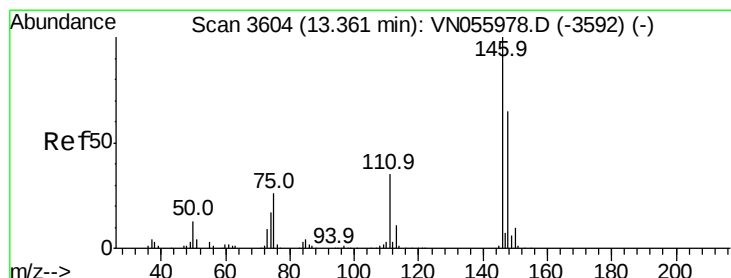
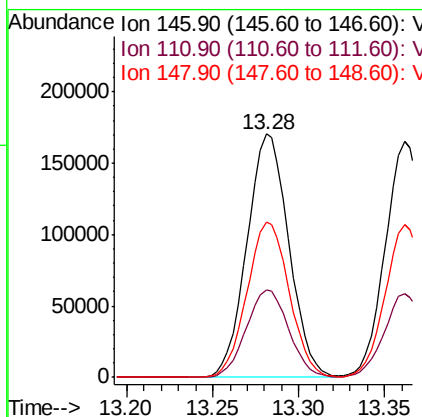
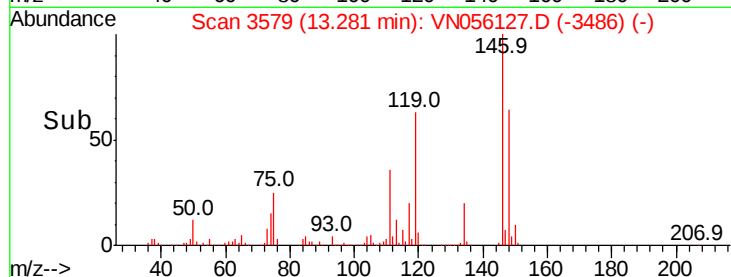
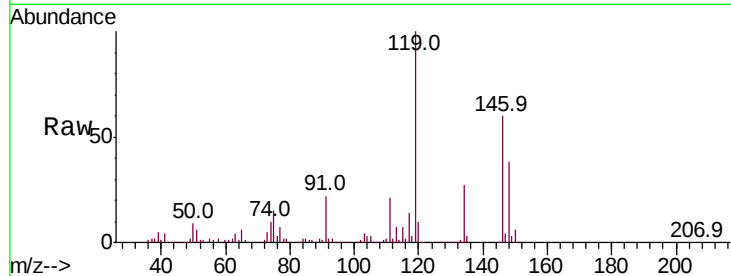
#87
 1,3-Dichlorobenzene
 Concen: 49.414 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.5	55.5
148	64.2	32.0	96.2

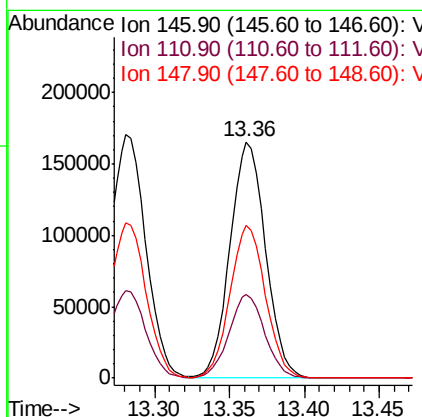
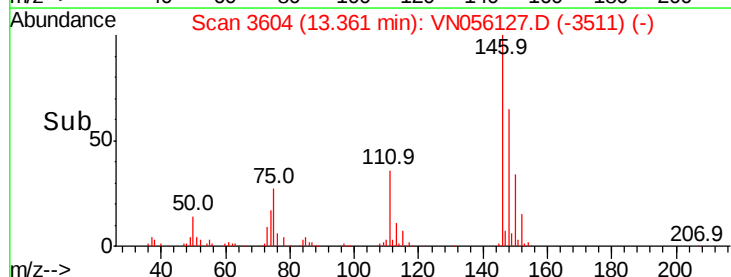
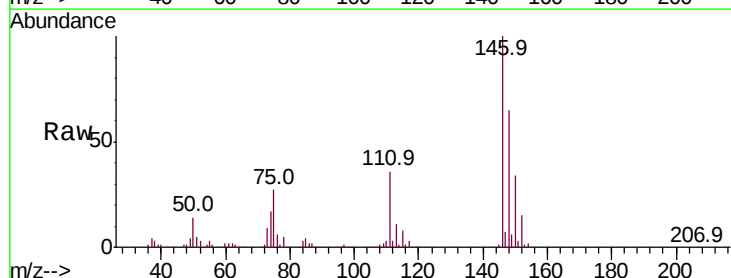
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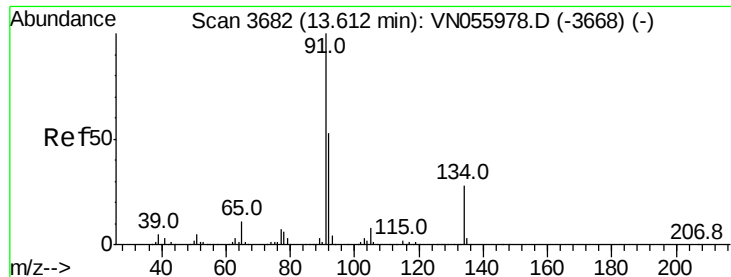
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#88
 1,4-Dichlorobenzene
 Concen: 48.928 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.4
148	64.5	32.1	96.5





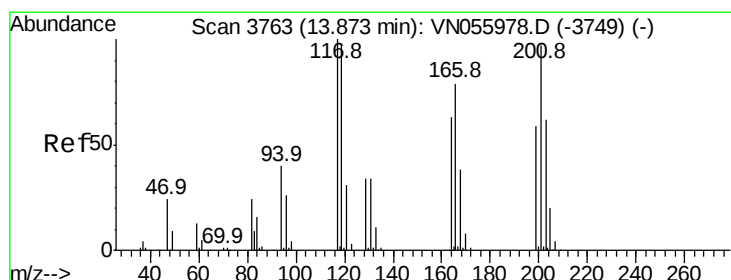
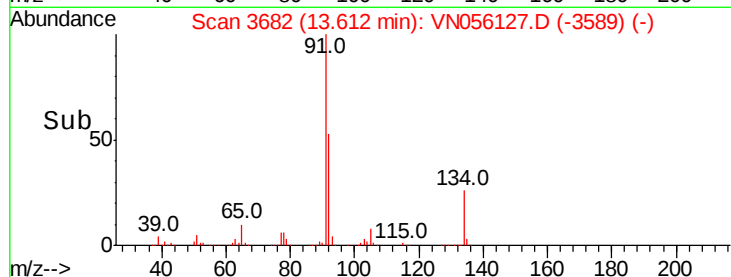
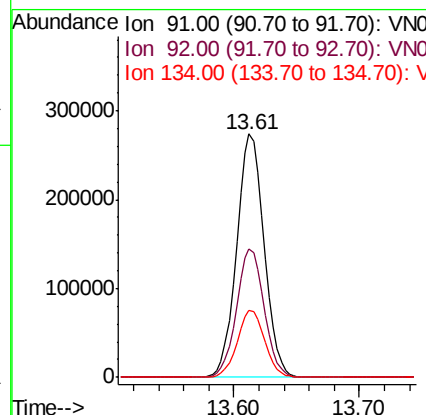
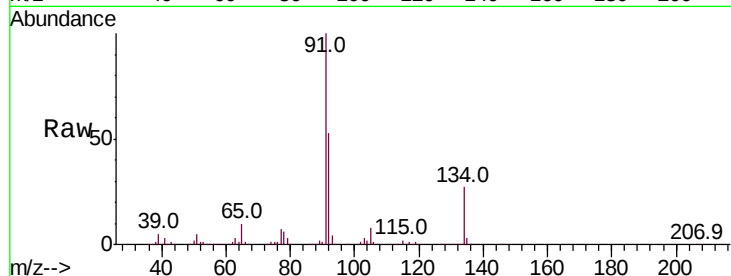
#89
n-Butylbenzene
Concen: 47.529 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.0
134	27.4	13.9	41.7

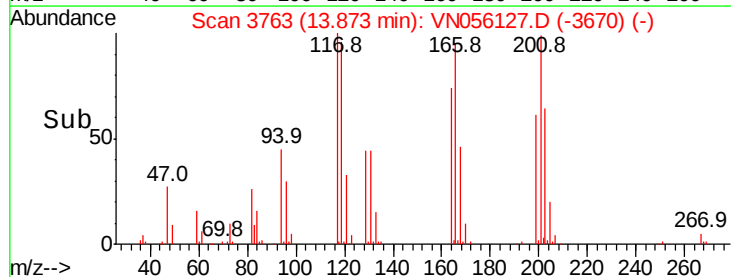
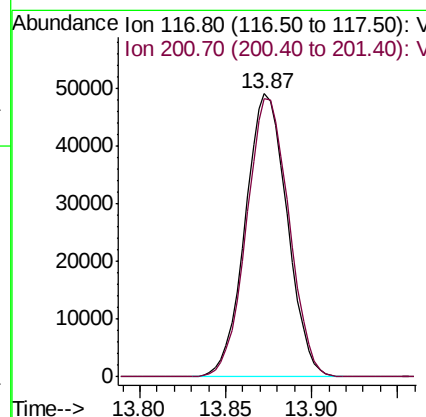
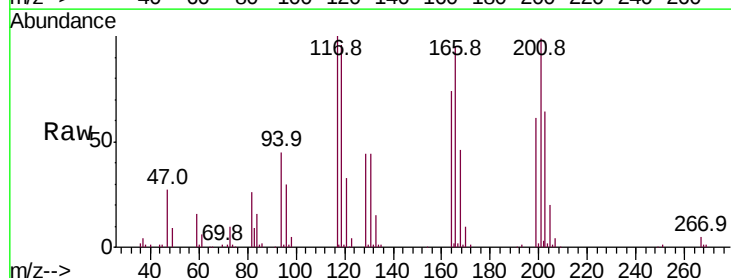
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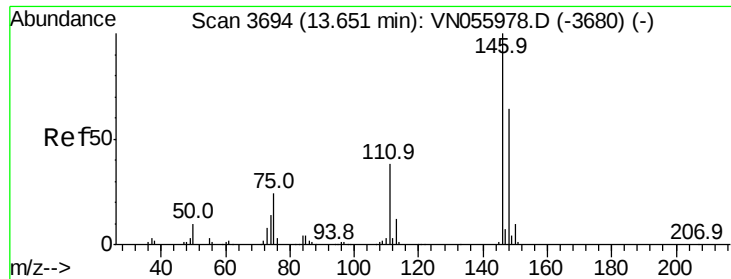
MMDadoda
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#90
Hexachloroethane
Concen: 46.891 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056127.D
Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.3	50.0	150.0





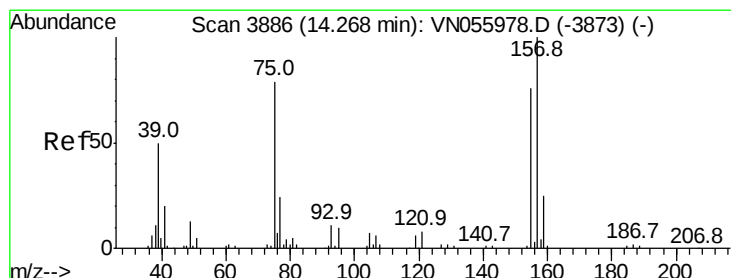
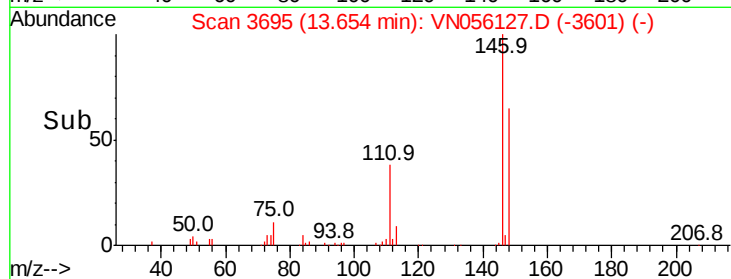
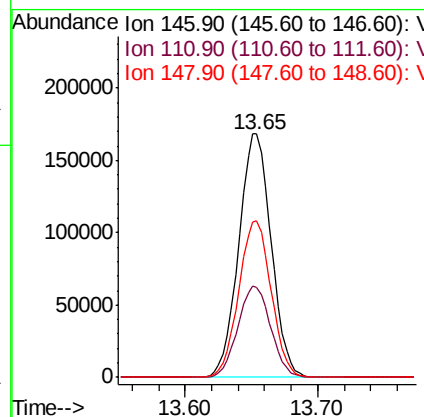
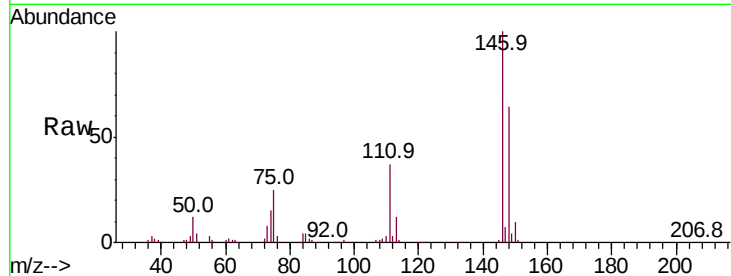
#91
 1,2-Dichlorobenzene
 Concen: 48.526 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	285025		
111	38.0	19.1	57.5	
148	64.4	31.9	95.9	

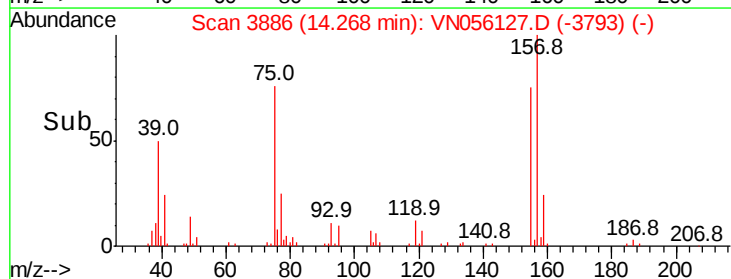
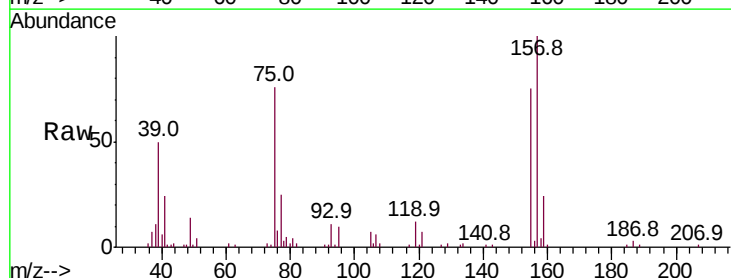
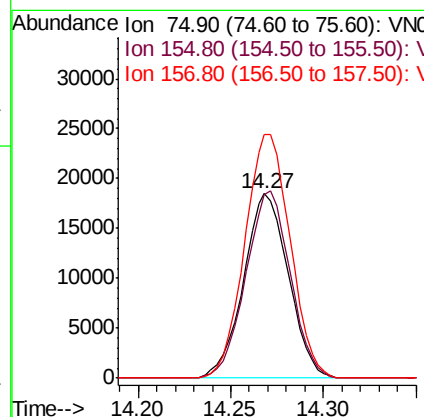
Manual Integrations
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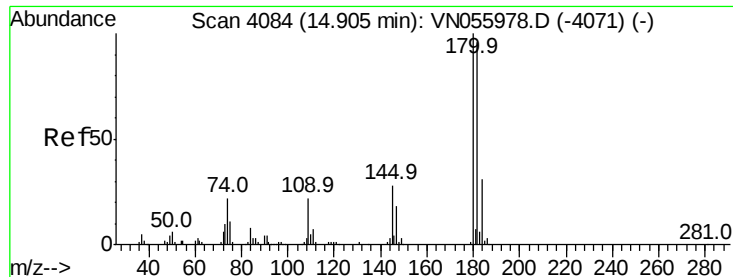
MMDadoda
 6/10/2019 11:26:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.155 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30987		
155	100.4	50.0	150.1	
157	133.5	64.8	194.3	





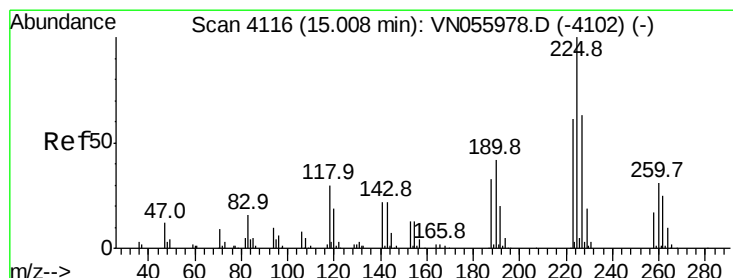
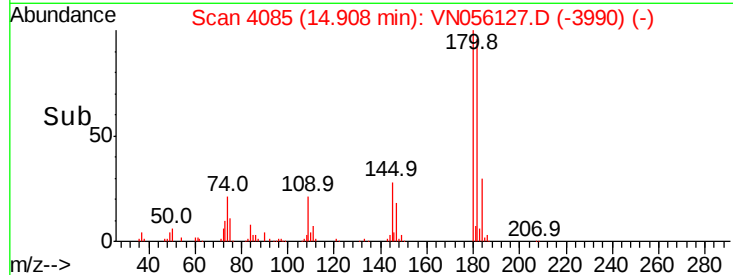
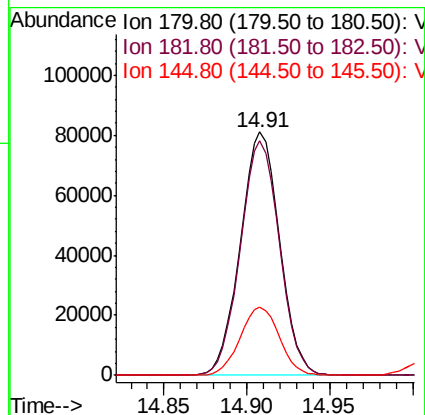
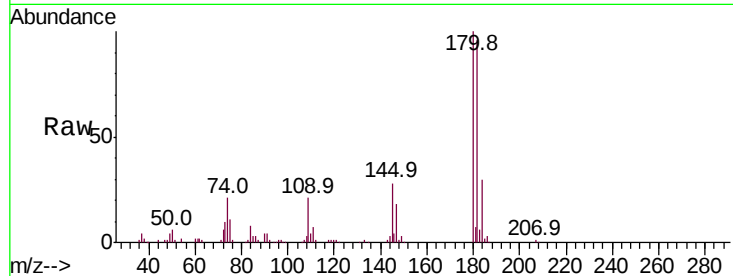
#93
 1,2,4-Trichlorobenzene
 Concen: 41.969 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	48.3	144.9	
145	28.0	14.0	41.9	

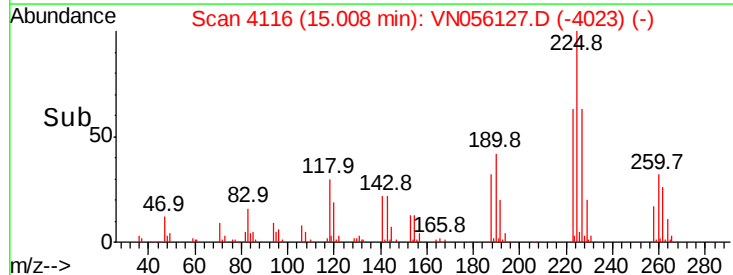
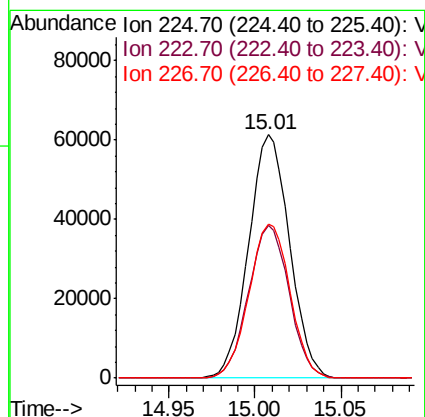
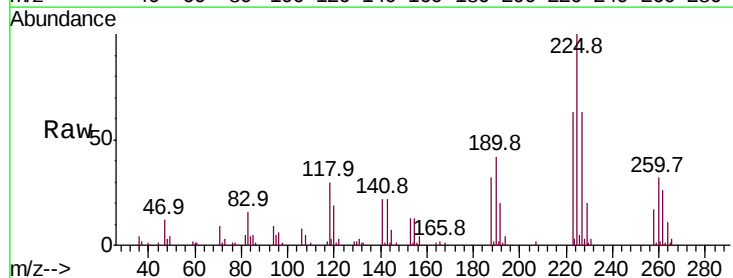
Manual Integrations
 APPROVED

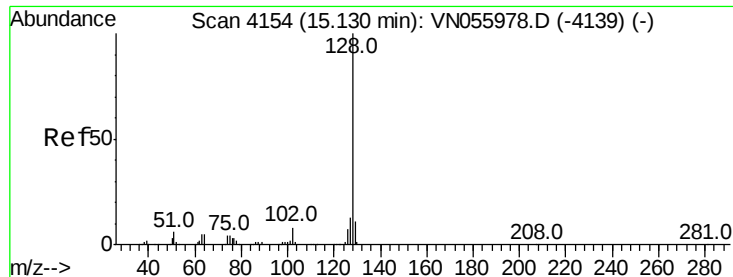
MMDadoda
 6/10/2019 11:26:15 AM



#94
 Hexachlorobutadiene
 Concen: 50.197 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056127.D
 Acq: 8 Jun 2019 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	30.9	92.7	
227	63.4	31.6	94.7	





#95

Naphthalene

Concen: 44.084 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Instrument :

MSVOA_N

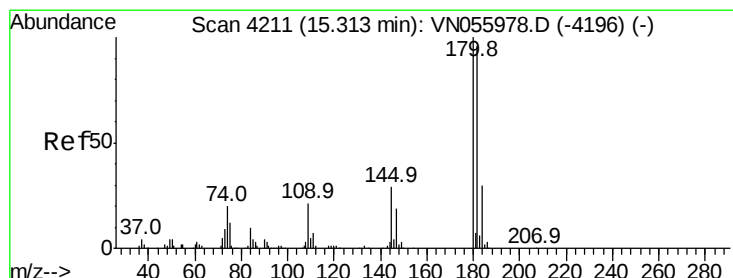
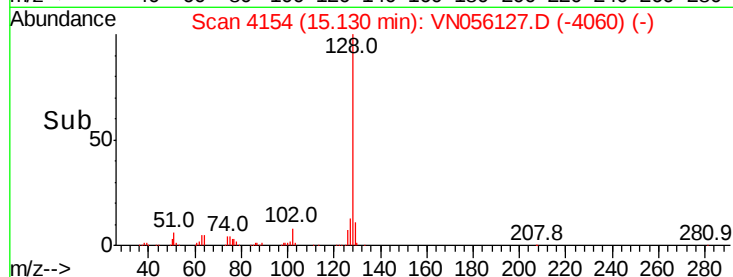
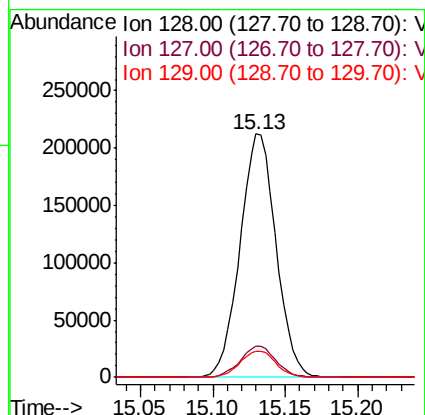
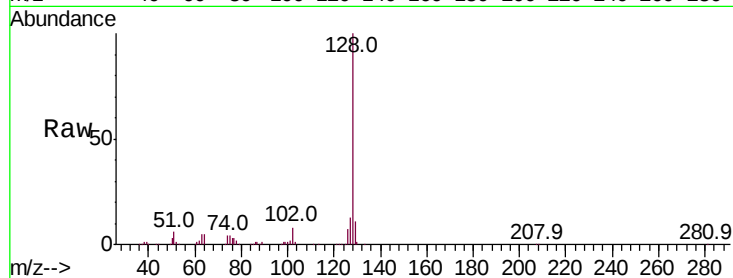
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	366054
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/10/2019 11:26:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.246 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056127.D

Acq: 8 Jun 2019 3:16

Tgt Ion:	180	Resp:	148237
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	28.8	14.9	44.7

