

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061129.D
 Acq On : 22 Apr 2020 14:44
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Quant Time: Apr 22 15:18:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 14:48:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	211504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	341162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	323023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.16	152	160584	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.77	65	269332	98.27	ug/l	0.00
Spiked Amount			Recovery	=	196.54%	
35) Dibromofluoromethane	7.31	113	191517	96.16	ug/l	0.00
Spiked Amount			Recovery	=	192.32%	
50) Toluene-d8	9.88	98	826026	106.69	ug/l	0.00
Spiked Amount			Recovery	=	213.38%	
62) 4-Bromofluorobenzene	12.21	95	314119	104.65	ug/l	0.00
Spiked Amount			Recovery	=	209.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.72	85	202793	84.712	ug/l	99
3) Chloromethane	1.91	50	232249	65.935	ug/l	100
4) Vinyl Chloride	2.03	62	285574	92.432	ug/l	97
5) Bromomethane	2.37	94	134858	87.415	ug/l	99
6) Chloroethane	2.51	64	149278	85.346	ug/l	100
7) Trichlorofluoromethane	2.82	101	302133	80.981	ug/l	99
8) Diethyl Ether	3.17	74	135371	89.239	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.50	101	202704	89.715	ug/l	99
10) Methyl Iodide	3.68	142	288672	129.975	ug/l	100
11) Tert butyl alcohol	4.44	59	182148	394.044	ug/l	99
12) 1,1-Dichloroethene	3.49	96	202597	88.888	ug/l	98
13) Acrolein	3.36	56	149812	389.525	ug/l	99
14) Allyl chloride	4.03	41	266861	64.237	ug/l	98
15) Acrylonitrile	4.64	53	575630	451.804	ug/l	100
16) Acetone	3.54	43	461162	401.081	ug/l	99
17) Carbon Disulfide	3.78	76	605666	85.006	ug/l	100
18) Methyl Acetate	4.02	43	334948	91.739	ug/l	98
19) Methyl tert-butyl Ether	4.69	73	718799	90.032	ug/l	99
20) Methylene Chloride	4.24	84	228935	89.041	ug/l	99
21) trans-1,2-Dichloroethene	4.70	96	226465	91.836	ug/l	99
22) Diisopropyl ether	5.61	45	757158	85.164	ug/l	98
23) Vinyl Acetate	5.55	43	3110828	443.891	ug/l	99
24) 1,1-Dichloroethane	5.51	63	416093	86.164	ug/l	99
25) 2-Butanone	6.51	43	777256	436.493	ug/l	98
26) 2,2-Dichloropropane	6.50	77	372994	92.091	ug/l	100
27) cis-1,2-Dichloroethene	6.51	96	259688	91.991	ug/l	100
28) Bromochloromethane	6.89	49	187367	85.857	ug/l	99
29) Tetrahydrofuran	6.90	42	530857	437.898	ug/l	100
30) Chloroform	7.08	83	418816	91.881	ug/l	100
31) Cyclohexane	7.37	56	393661	79.983	ug/l	97
32) 1,1,1-Trichloroethane	7.29	97	371454	93.934	ug/l	99
36) 1,1-Dichloropropene	7.52	75	323288	92.529	ug/l	100
37) Ethyl Acetate	6.61	43	339156	90.117	ug/l	100
38) Carbon Tetrachloride	7.50	117	299061	102.415	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	400055	95.530	ug/l	99
40) Benzene	7.78	78	951834	91.831	ug/l	99
41) Methacrylonitrile	6.90	41	487568	305.687	ug/l #	1
42) 1,2-Dichloroethane	7.87	62	336775	94.911	ug/l	99
43) Isopropyl Acetate	7.92	43	565327	92.176	ug/l	99
44) Trichloroethene	8.60	130	273221	102.332	ug/l	99
45) 1,2-Dichloropropane	8.89	63	249439	89.431	ug/l	100
46) Dibromomethane	8.98	93	165299	101.089	ug/l	98
47) Bromodichloromethane	9.18	83	333713	97.434	ug/l	100
48) Methyl methacrylate	8.98	41	270666	99.142	ug/l	99
49) 1,4-Dioxane	8.98	88	56016	1690.620	ug/l	98
51) 4-Methyl-2-Pentanone	9.78	43	1691043	476.807	ug/l	99
52) Toluene	9.95	92	606740	97.022	ug/l	100
53) t-1,3-Dichloropropene	10.18	75	402048	100.920	ug/l	100
54) cis-1,3-Dichloropropene	9.63	75	416597	96.203	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	234448	98.861	ug/l	99
56) Ethyl methacrylate	10.24	69	385329	103.920	ug/l	99
57) 1,3-Dichloropropane	10.51	76	399320	95.026	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	994396	564.988	ug/l	99
59) 2-Hexanone	10.56	43	1275549	497.346	ug/l	99
60) Dibromochloromethane	10.71	129	257385	105.191	ug/l	100
61) 1,2-Dibromoethane	10.81	107	250080	102.892	ug/l	99
64) Tetrachloroethene	10.43	164	298381	114.374	ug/l	100
65) Chlorobenzene	11.24	112	634395	95.043	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.32	131	230878	96.522	ug/l	100
67) Ethyl Benzene	11.32	91	1176734	93.925	ug/l	99
68) m/p-Xylenes	11.43	106	891473	195.681	ug/l	99
69) o-Xylene	11.76	106	423825	96.749	ug/l	98
70) Styrene	11.77	104	731483	103.750	ug/l	100
71) Bromoform	11.93	173	190319	106.676	ug/l #	100
73) Isopropylbenzene	12.06	105	1147503	89.539	ug/l	100
74) N-amyl acetate	11.89	43	538601	91.011	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.32	83	310812	81.147	ug/l	99
76) 1,2,3-Trichloropropane	12.36	75	484934	135.105	ug/l #	100
77) Bromobenzene	12.33	156	280112	92.863	ug/l	99
78) n-propylbenzene	12.40	91	1354641	90.638	ug/l	100
79) 2-Chlorotoluene	12.48	91	780669	89.082	ug/l	100
80) 1,3,5-Trimethylbenzene	12.55	105	975147	92.113	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.11	75	141573	98.535	ug/l	99
82) 4-Chlorotoluene	12.58	91	832554	91.545	ug/l	100
83) tert-Butylbenzene	12.81	119	826086	92.468	ug/l	99
84) 1,2,4-Trimethylbenzene	12.85	105	972217	92.841	ug/l	99
85) sec-Butylbenzene	12.98	105	1121007	92.943	ug/l	100
86) p-Isopropyltoluene	13.10	119	1014998	94.247	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	501668	93.759	ug/l	99
88) 1,4-Dichlorobenzene	13.17	146	501519	92.958	ug/l	99
89) n-Butylbenzene	13.43	91	937847	94.018	ug/l	99
90) Hexachloroethane	13.68	117	114693	74.261	ug/l	98
91) 1,2-Dichlorobenzene	13.46	146	464510	91.144	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	68867	91.918	ug/l	97

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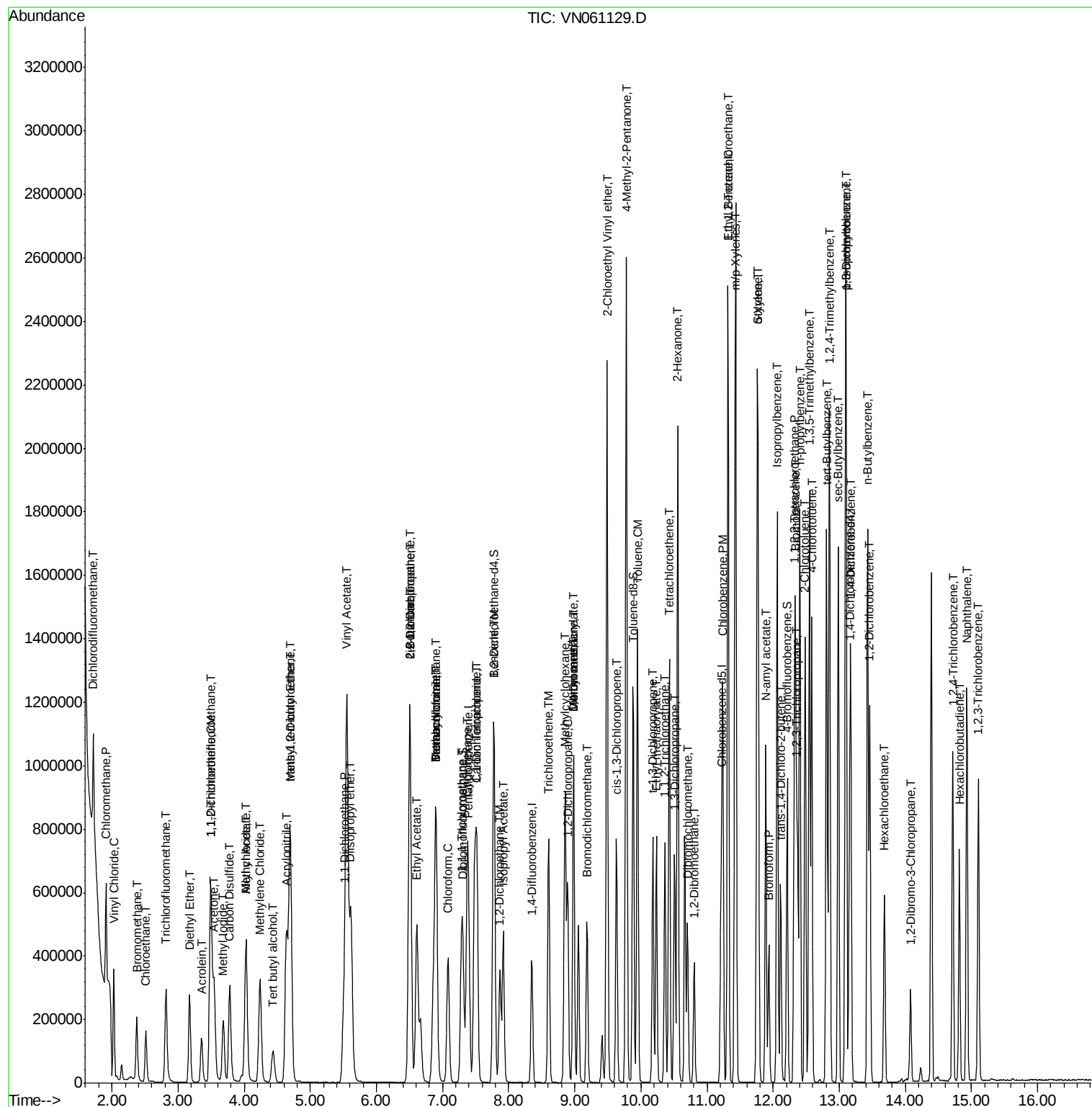
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	308667	101.443	ug/l	100
94) Hexachlorobutadiene	14.82	225	130173	84.954	ug/l	99
95) Naphthalene	14.93	128	968759	107.675	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	298523	101.745	ug/l	100

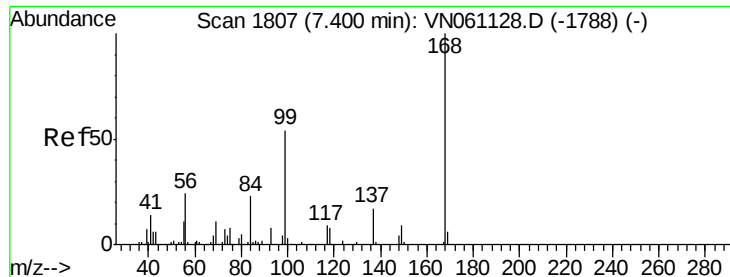
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042220\
Data File : VN061129.D
Acq On : 22 Apr 2020 14:44
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

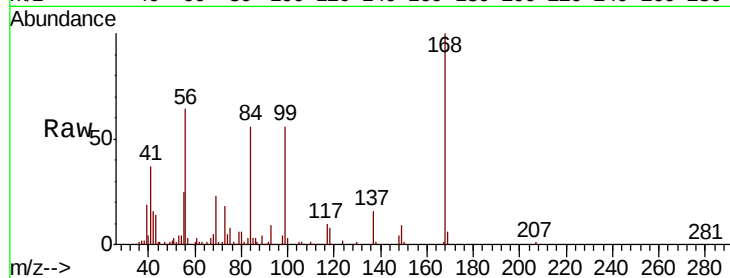
VSTDICC100

Tot Ion:168 Resp: 211504

Ion Ratio Lower Upper

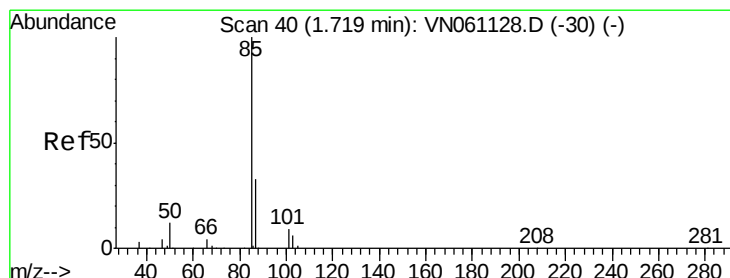
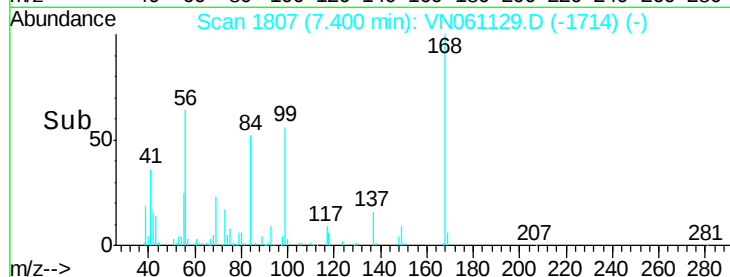
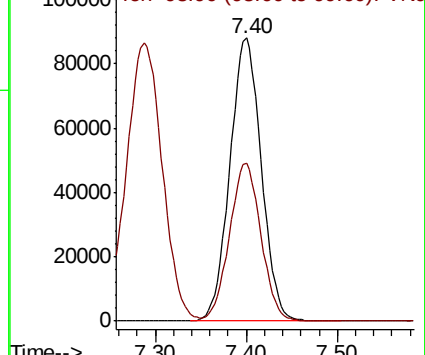
168 100

99 55.8 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 84.712 ug/l

RT: 1.72 min Scan# 40

Delta R.T. -0.00 min

Lab File: VN061129.D

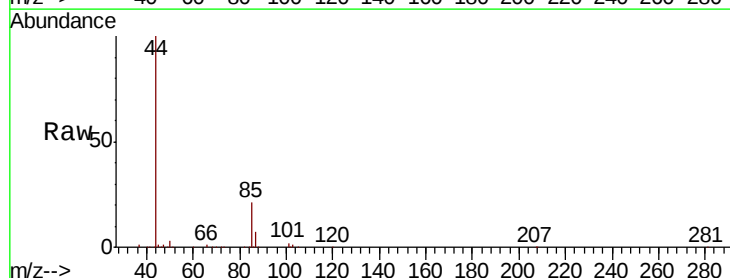
Acq: 22 Apr 2020 14:44

Tgt Ion: 85 Resp: 202793

Ion Ratio Lower Upper

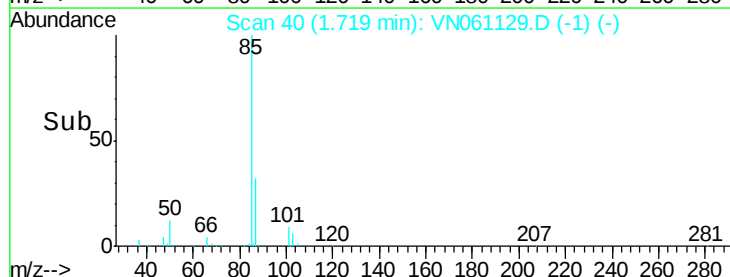
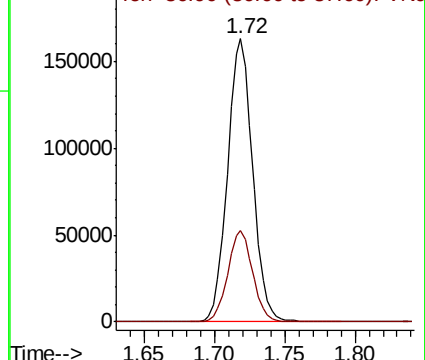
85 100

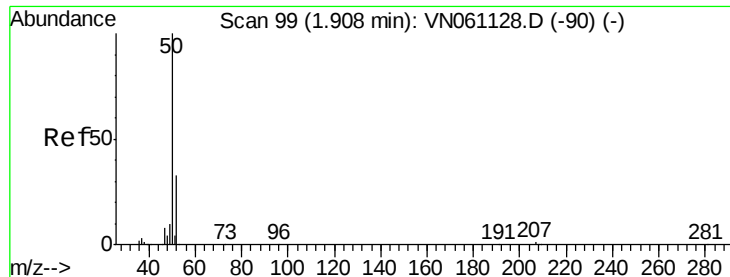
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 65.935 ug/l

RT: 1.91 min Scan# 99

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

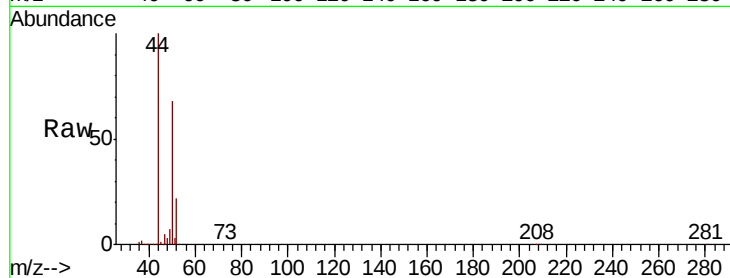
VSTDIC100

Tot Ion: 50 Resp: 232249

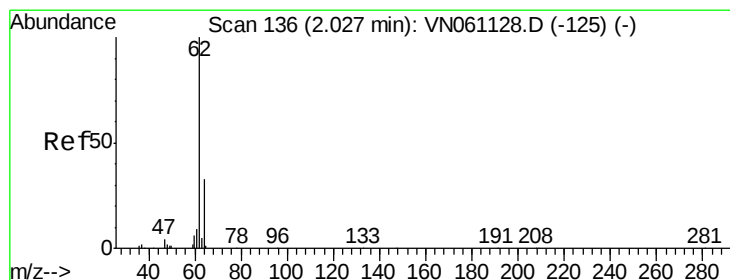
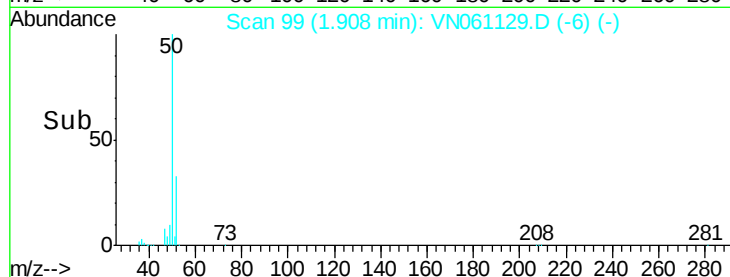
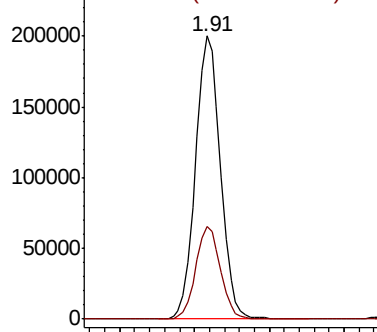
Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 92.432 ug/l

RT: 2.03 min Scan# 136

Delta R.T. -0.00 min

Lab File: VN061129.D

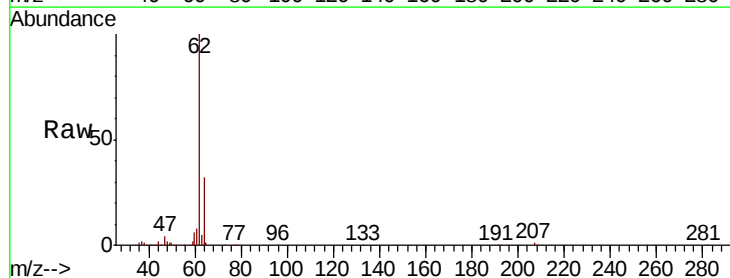
Acq: 22 Apr 2020 14:44

Tgt Ion: 62 Resp: 285574

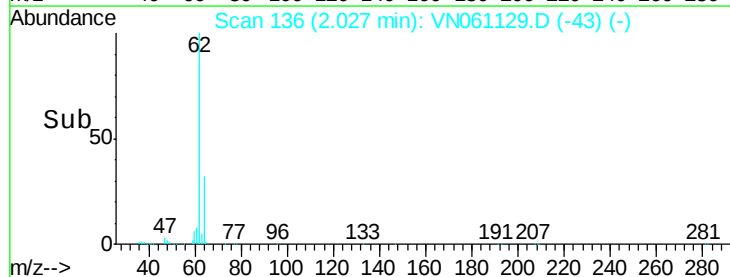
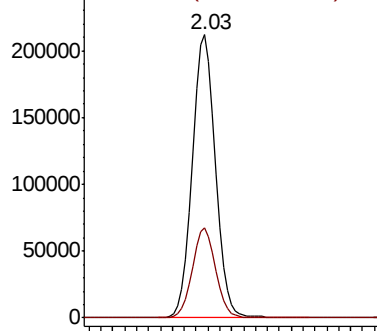
Ion Ratio Lower Upper

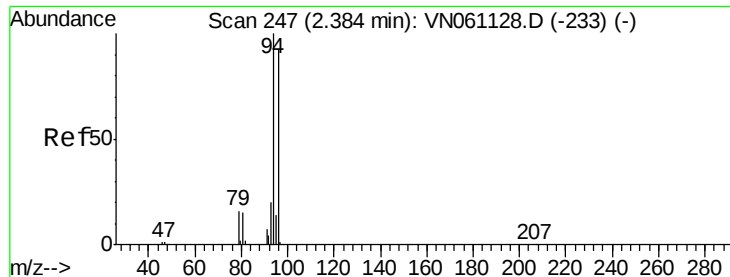
62 100

64 31.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 87.415 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

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ClientSampleId :

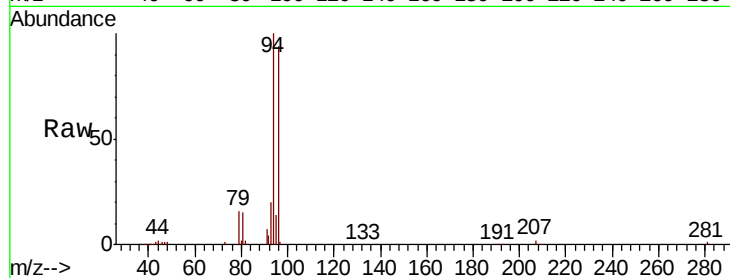
VSTDIC100

Tot Ion: 94 Resp: 134858

Ion Ratio Lower Upper

94 100

96 93.3 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN061129.D (-154) (-)

Ion 95.90 (95.60 to 96.60): VN061129.D (-154) (-)

2.37

80000

60000

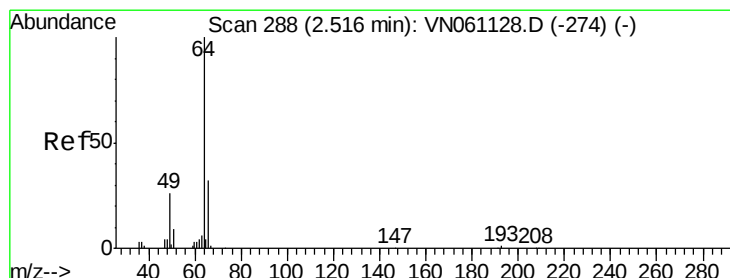
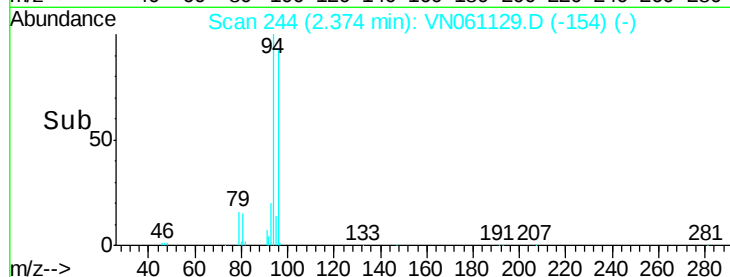
40000

20000

0

Time-->

2.30 2.40 2.50



#6

Chloroethane

Concen: 85.346 ug/l

RT: 2.51 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN061129.D

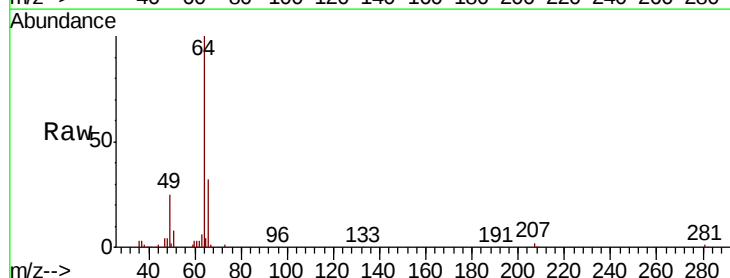
Acq: 22 Apr 2020 14:44

Tgt Ion: 64 Resp: 149278

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN061129.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN061129.D (-195) (-)

2.51

80000

60000

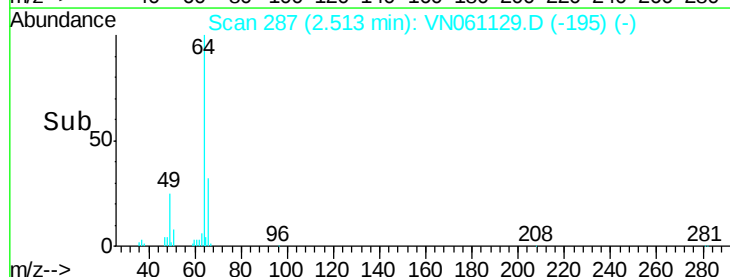
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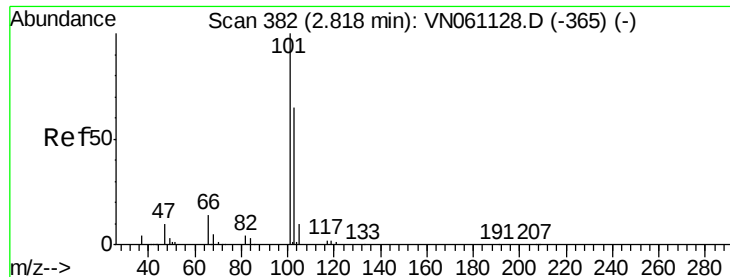
20000

0

Time-->

2.40 2.50 2.60



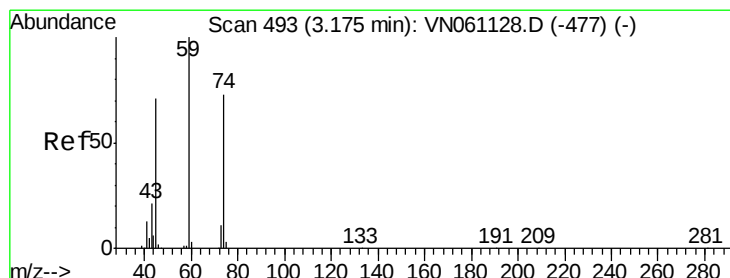
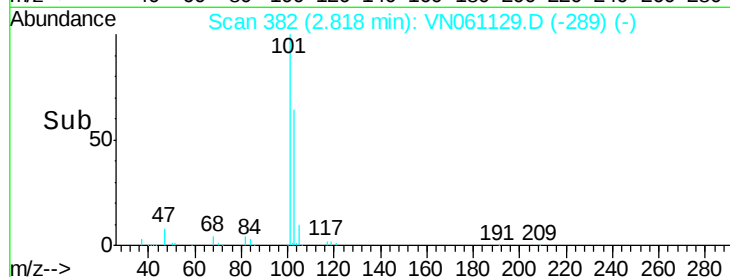
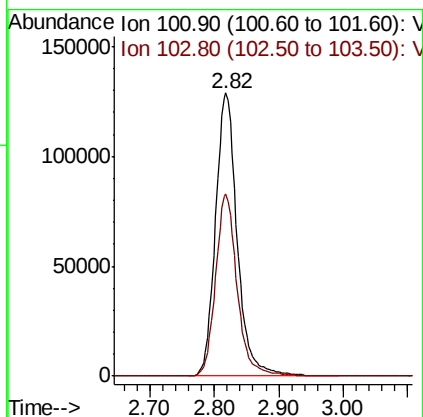
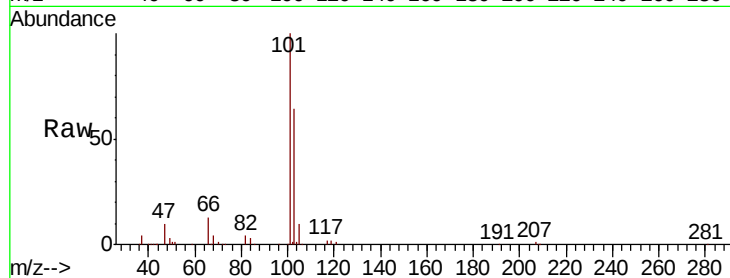


#7

Trichlorofluoromethane
 Concen: 80.981 ug/l
 RT: 2.82 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN061129.D
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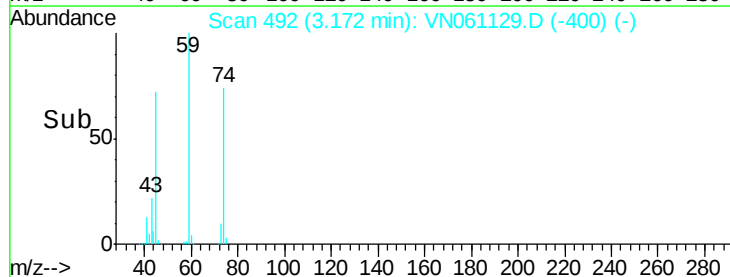
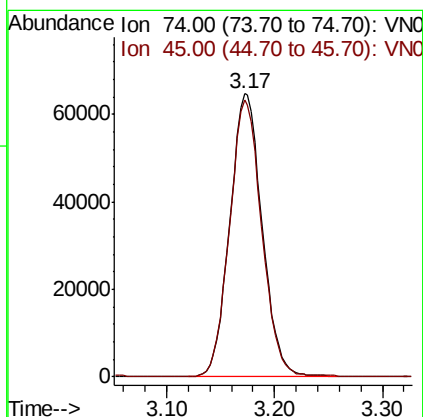
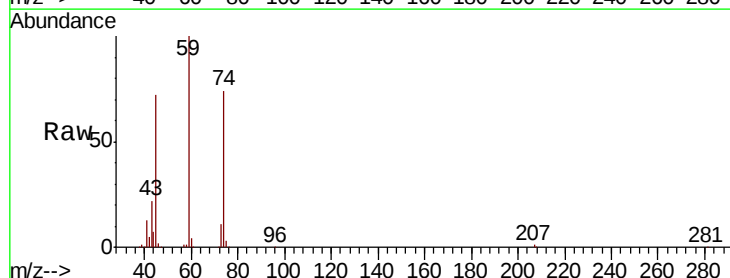
Tot Ion:101 Resp: 302133
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.1 78.1

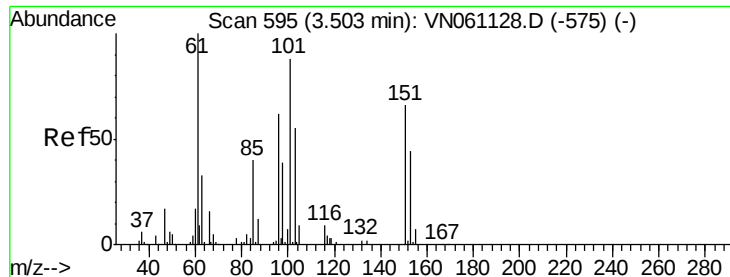


#8

Diethyl Ether
 Concen: 89.239 ug/l
 RT: 3.17 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion: 74 Resp: 135371
 Ion Ratio Lower Upper
 74 100
 45 97.7 49.1 147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.715 ug/l

RT: 3.50 min Scan# 595

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

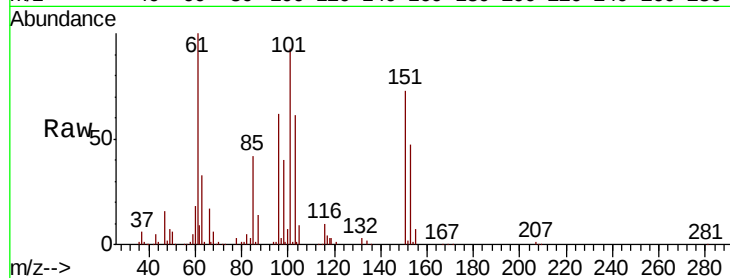
Tot Ion:101 Resp: 202704

Ion Ratio Lower Upper

101 100

85 44.8 36.2 54.4

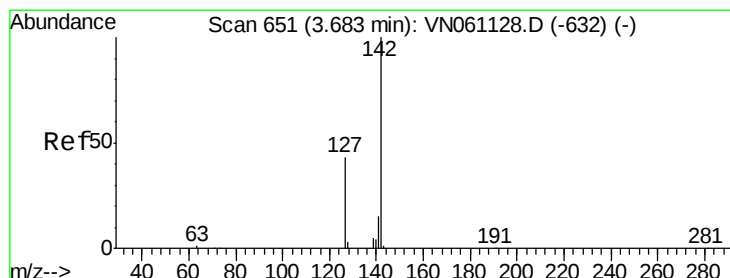
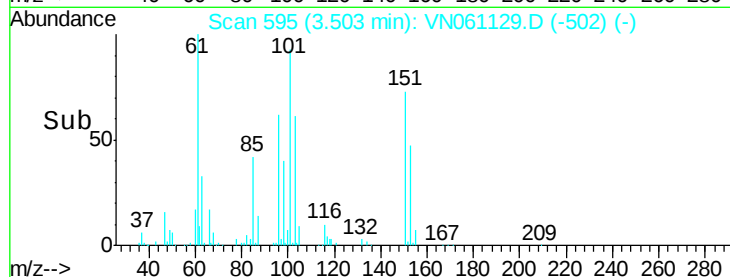
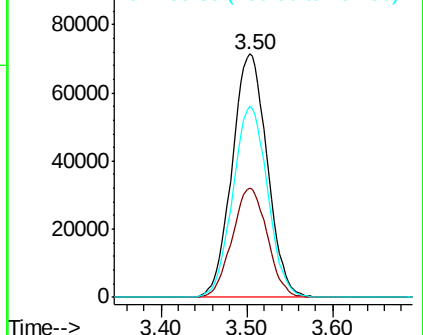
151 77.8 61.8 92.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 129.975 ug/l

RT: 3.68 min Scan# 651

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

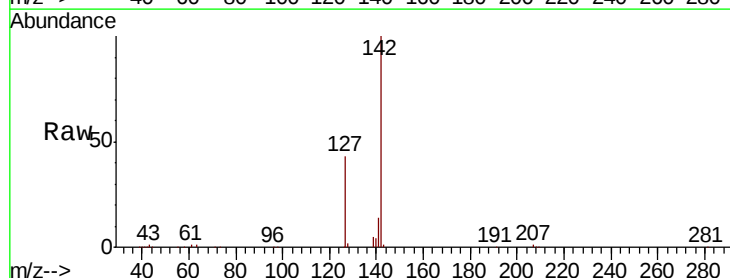
Tgt Ion:142 Resp: 288672

Ion Ratio Lower Upper

142 100

127 42.5 34.2 51.4

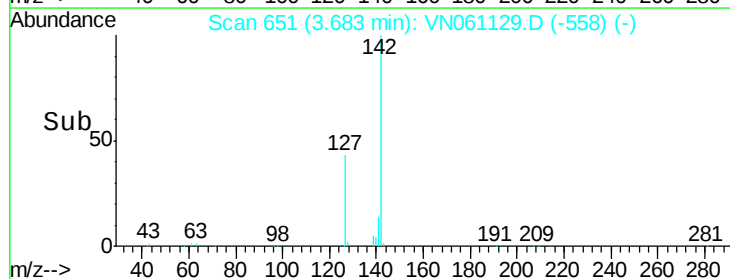
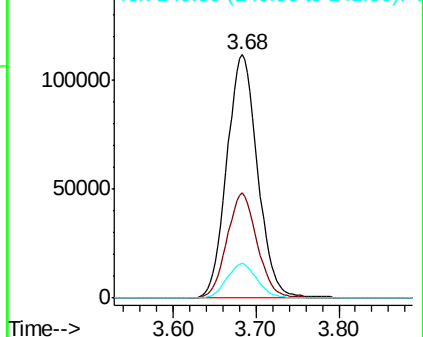
141 14.1 11.3 16.9

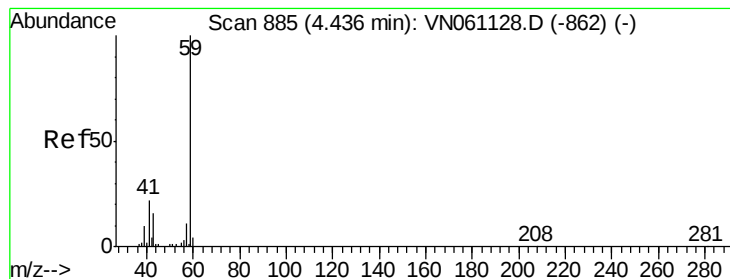


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



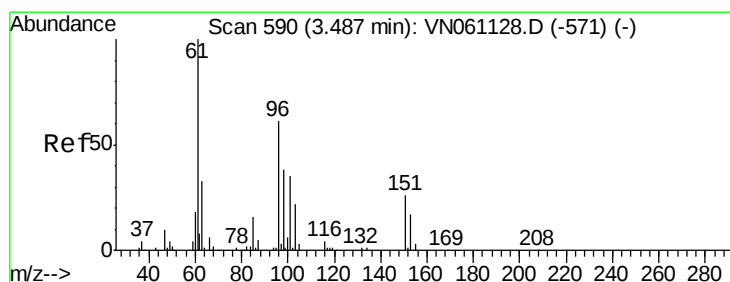
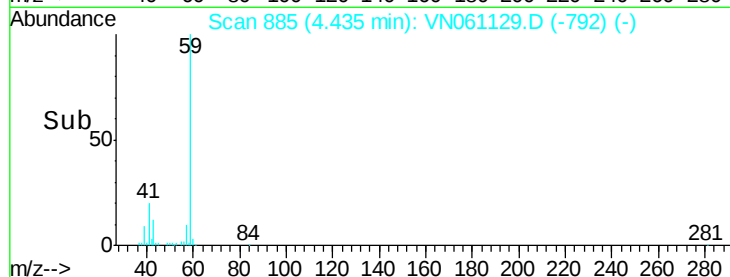
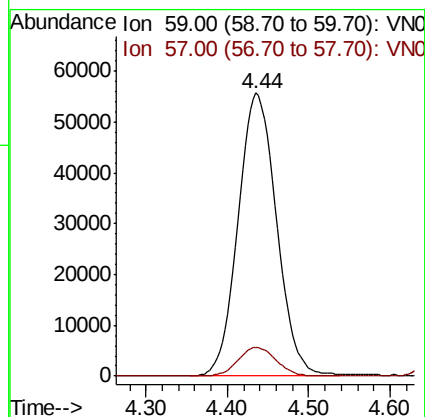
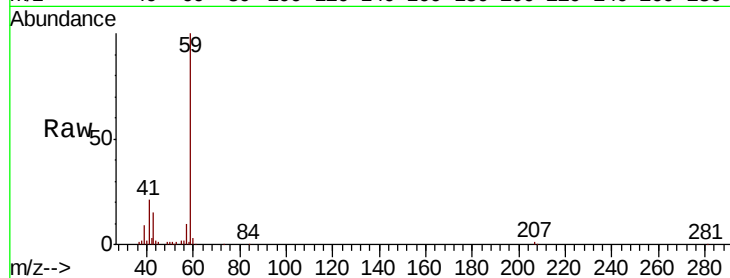


#11

Tert butyl alcohol
 Concen: 394.044 ug/l
 RT: 4.44 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

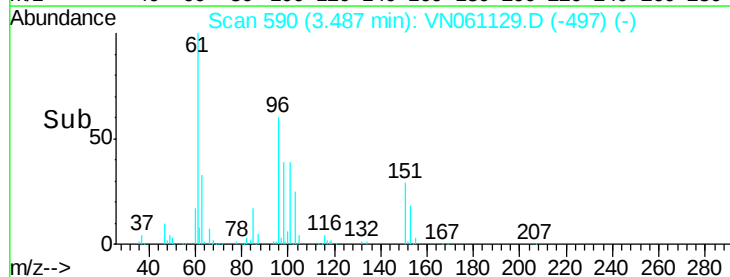
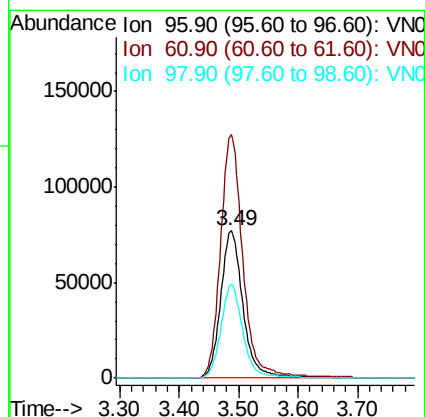
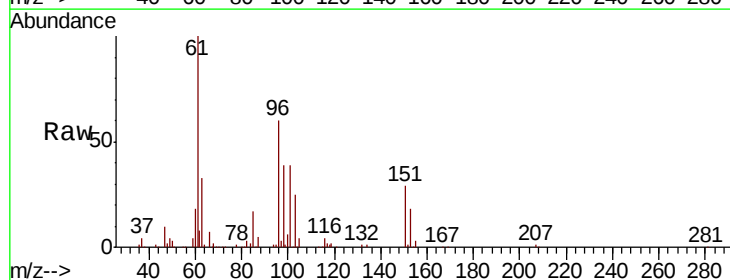
Tot Ion: 59 Resp: 182148
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

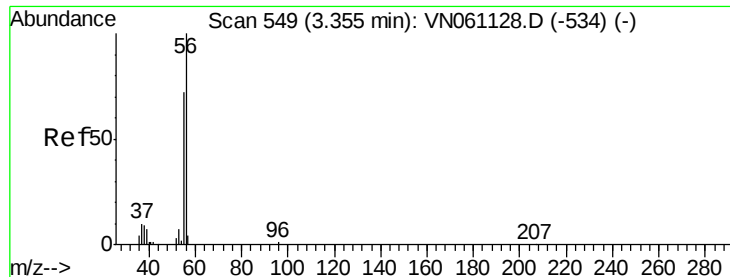


#12

1,1-Dichloroethene
 Concen: 88.888 ug/l
 RT: 3.49 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion: 96 Resp: 202597
 Ion Ratio Lower Upper
 96 100
 61 165.5 130.8 196.2
 98 63.9 49.4 74.2

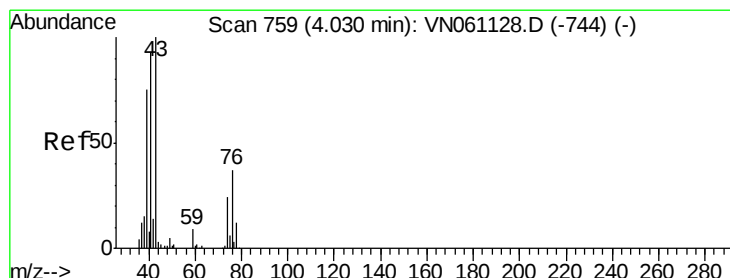
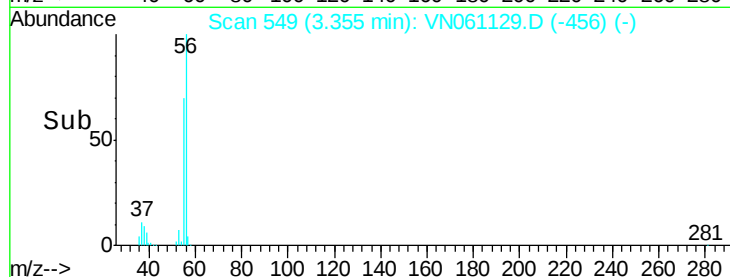
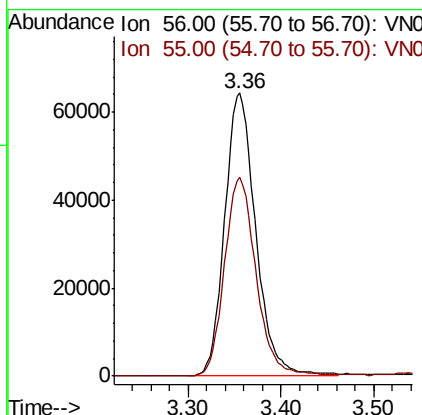
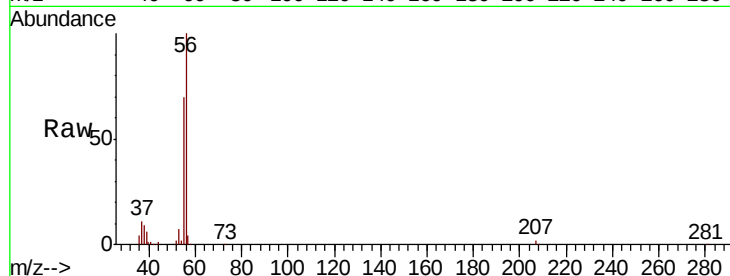




#13
 Acrolein
 Concen: 389.525 ug/l
 RT: 3.36 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

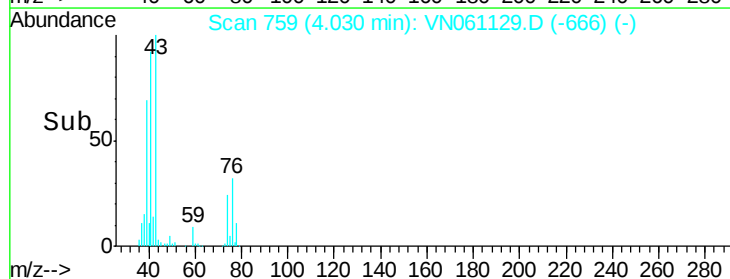
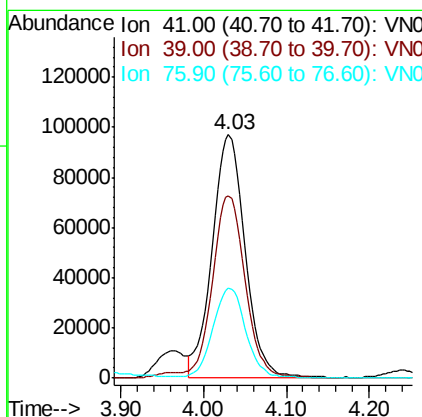
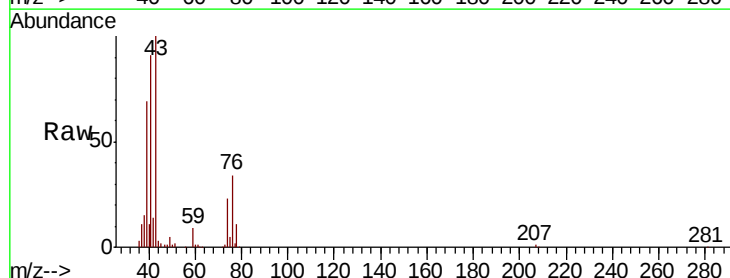
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

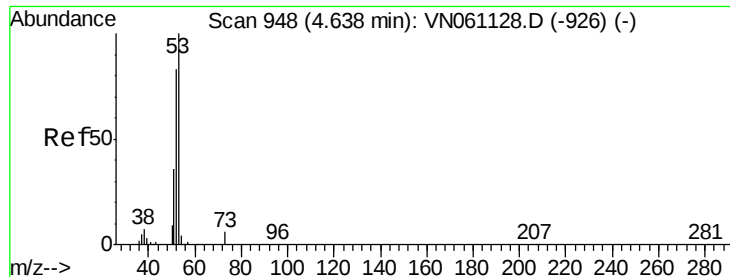
Tot Ion: 56 Resp: 149812
 Ion Ratio Lower Upper
 56 100
 55 71.2 57.4 86.0



#14
 Allyl chloride
 Concen: 64.237 ug/l
 RT: 4.03 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion: 41 Resp: 266861
 Ion Ratio Lower Upper
 41 100
 39 74.4 61.0 91.4
 76 36.8 28.9 43.3

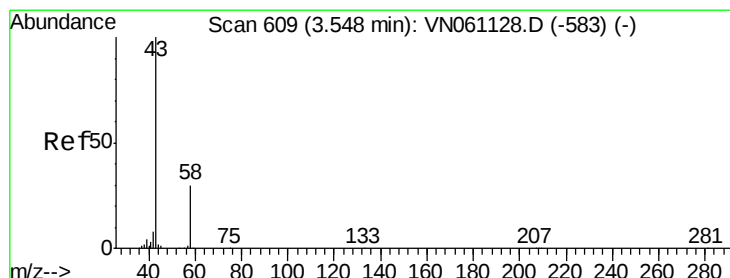
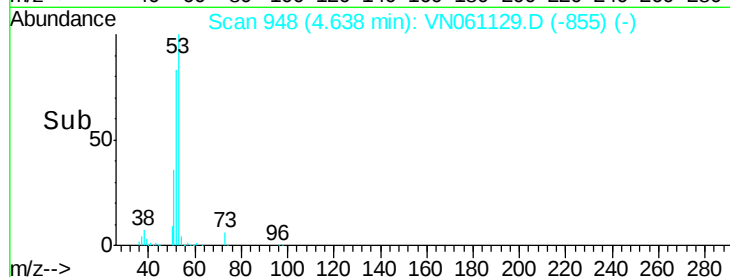
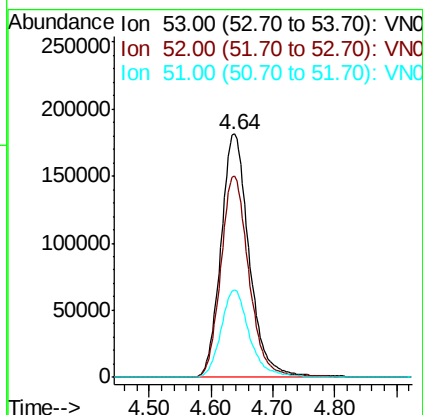
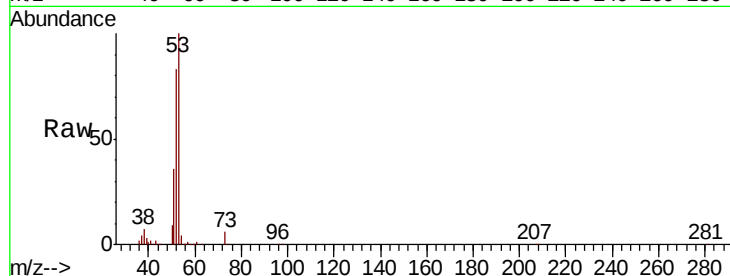




#15
 Acrylonitrile
 Concen: 451.804 ug/l
 RT: 4.64 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

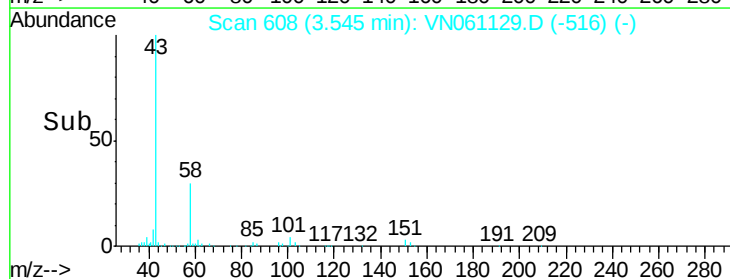
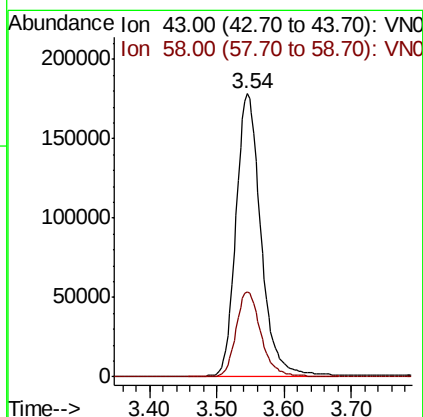
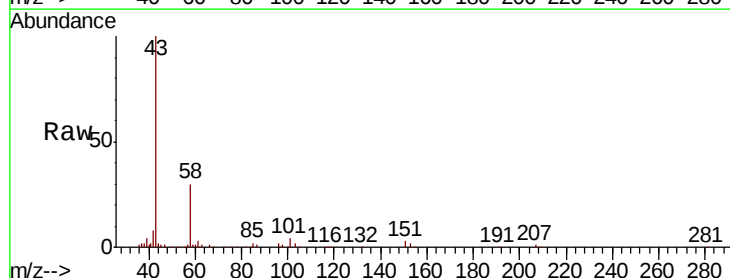
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

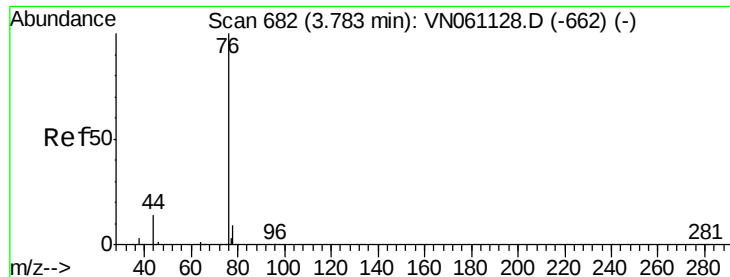
Tot Ion	53	Resp	575630
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.1	99.1
51	36.4	29.0	43.4



#16
 Acetone
 Concen: 401.081 ug/l
 RT: 3.54 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion	43	Resp	461162
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.6	35.4

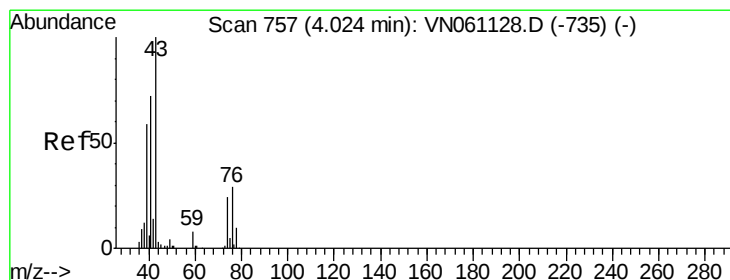
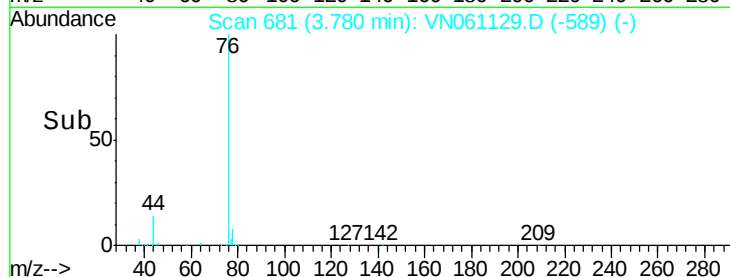
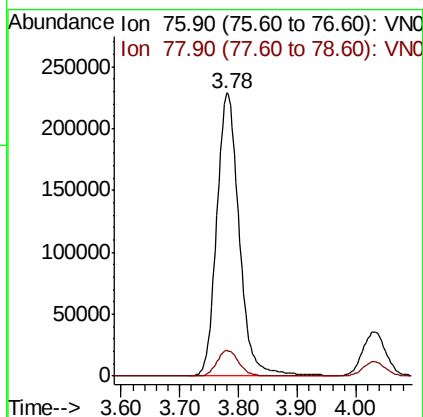
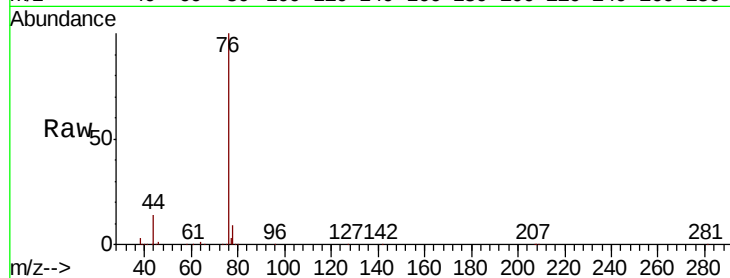




#17
Carbon Disulfide
Concen: 85.006 ug/l
RT: 3.78 min Scan# 681
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

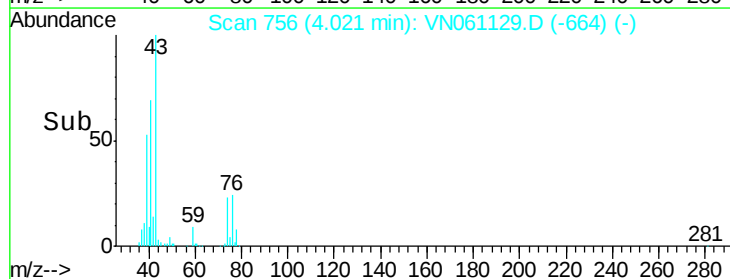
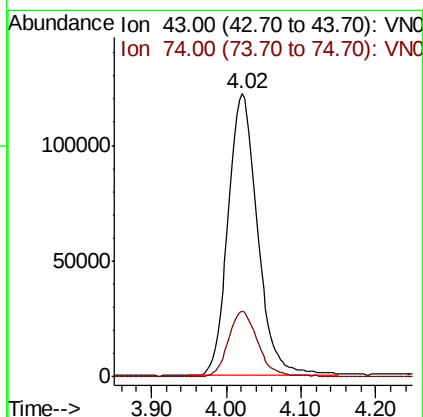
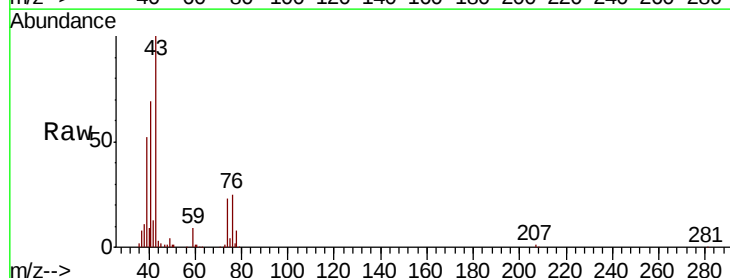
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

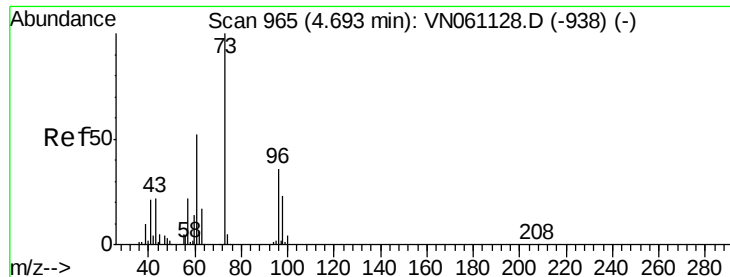
Tot Ion: 76 Resp: 605666
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 91.739 ug/l
RT: 4.02 min Scan# 756
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion: 43 Resp: 334948
Ion Ratio Lower Upper
43 100
74 23.4 19.4 29.0



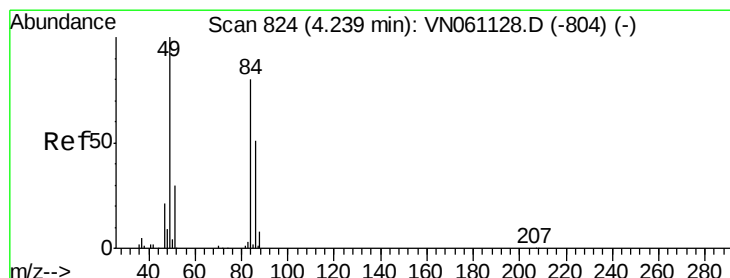
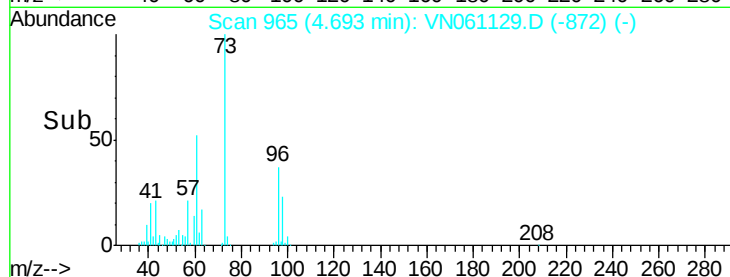
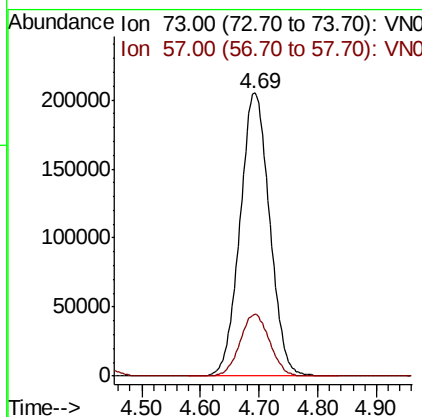
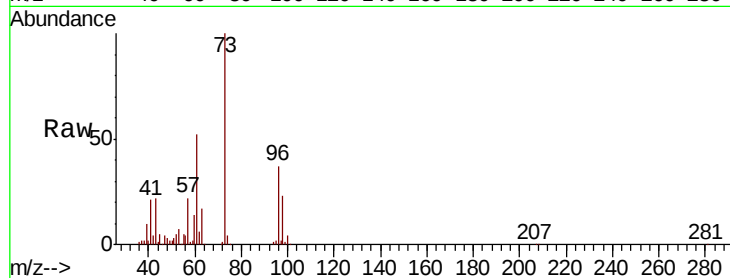


#19

Methyl tert-butyl Ether
 Concen: 90.032 ug/l
 RT: 4.69 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

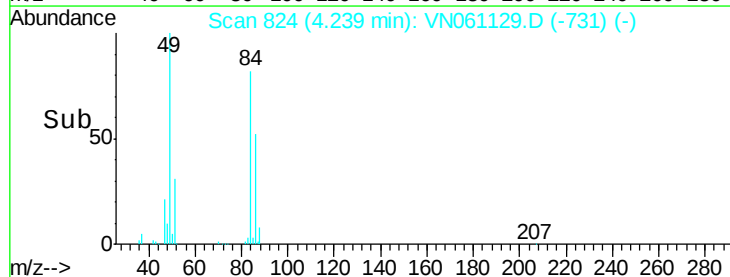
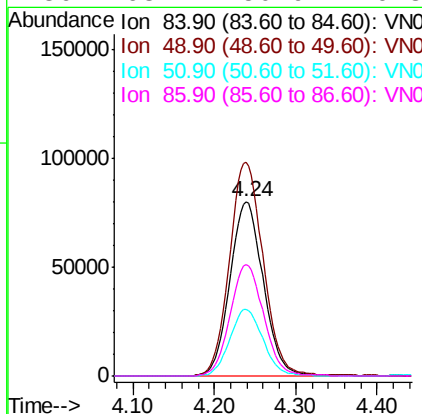
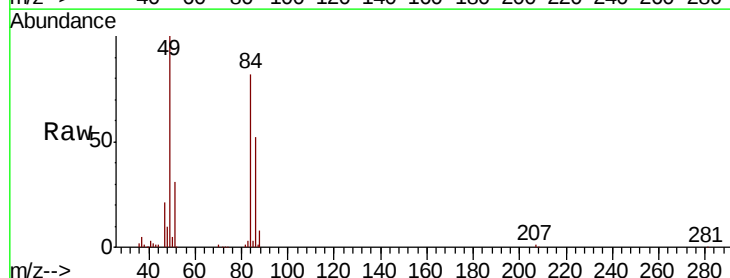
Tot Ion: 73 Resp: 718799
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.8 26.8

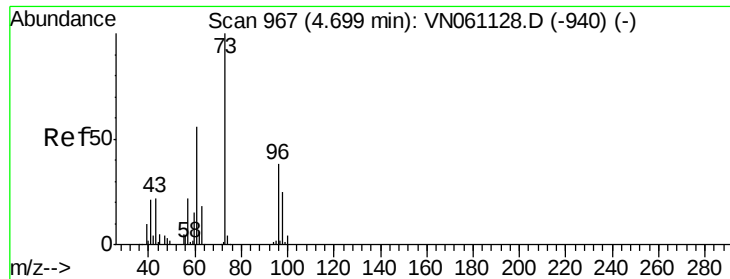


#20

Methylene Chloride
 Concen: 89.041 ug/l
 RT: 4.24 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion: 84 Resp: 228935
 Ion Ratio Lower Upper
 84 100
 49 122.4 99.8 149.6
 51 38.0 29.9 44.9
 86 63.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 91.836 ug/l

RT: 4.70 min Scan# 966

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

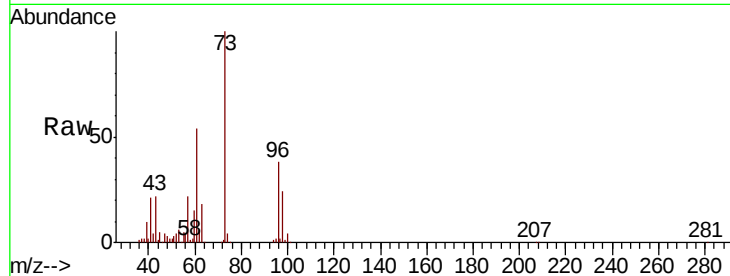
Tot Ion: 96 Resp: 226465

Ion Ratio Lower Upper

96 100

61 144.3 116.4 174.6

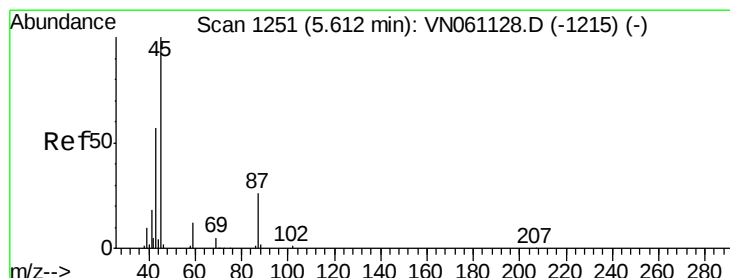
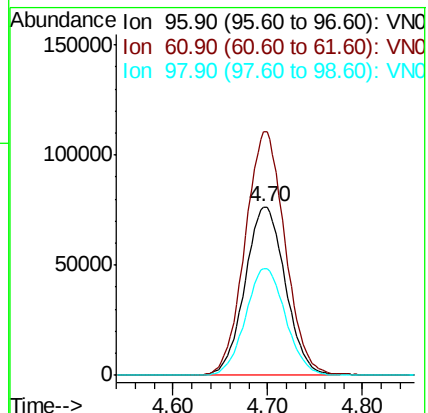
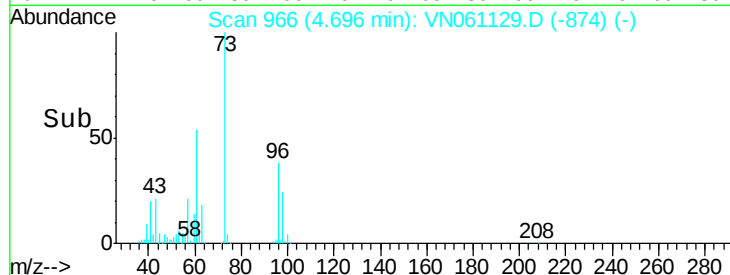
98 63.4 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VN061129.D (-874) (-)

Ion 60.90 (60.60 to 61.60): VN061129.D (-874) (-)

Ion 97.90 (97.60 to 98.60): VN061129.D (-874) (-)



#22

Diisopropyl ether

Concen: 85.164 ug/l

RT: 5.61 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion: 45 Resp: 757158

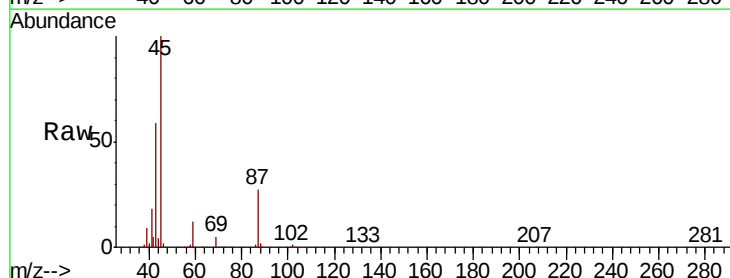
Ion Ratio Lower Upper

45 100

43 58.2 48.4 72.6

87 27.5 21.4 32.0

59 11.8 9.4 14.2

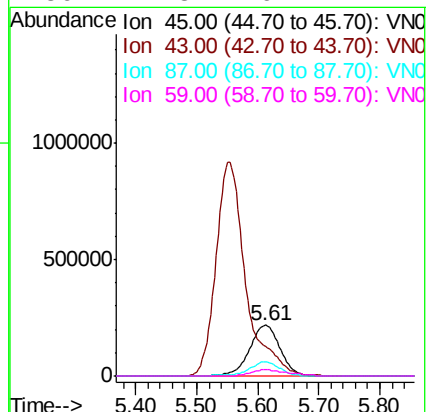
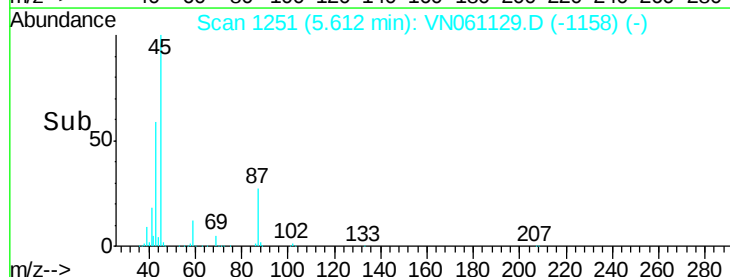


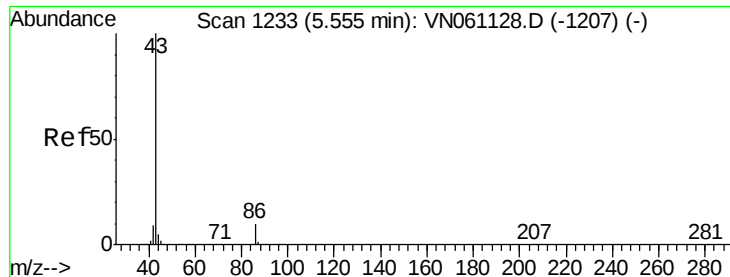
Abundance Ion 45.00 (44.70 to 45.70): VN061129.D (-1158) (-)

Ion 43.00 (42.70 to 43.70): VN061129.D (-1158) (-)

Ion 87.00 (86.70 to 87.70): VN061129.D (-1158) (-)

Ion 59.00 (58.70 to 59.70): VN061129.D (-1158) (-)





#23

Vinyl Acetate

Concen: 443.891 ug/l

RT: 5.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

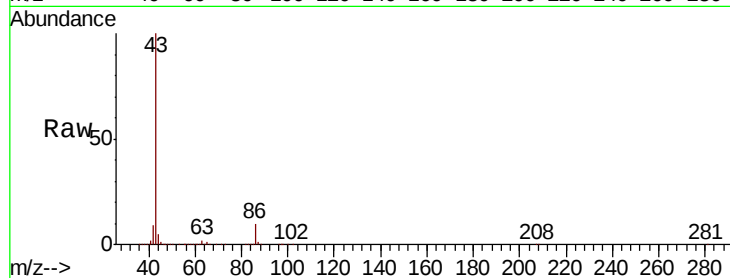
VSTDIC100

Tot Ion: 43 Resp: 3110828

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN061129.D (-1140) (-)

Ion 86.00 (85.70 to 86.70): VN061129.D (-1140) (-)

5.55

1000000

800000

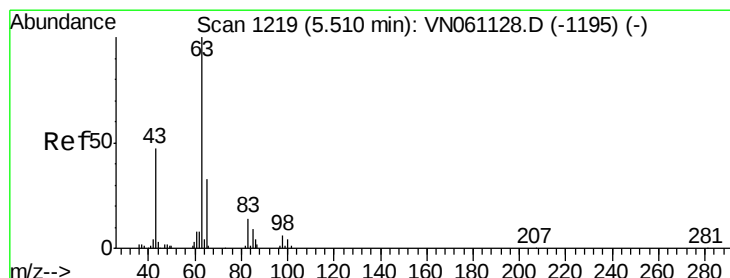
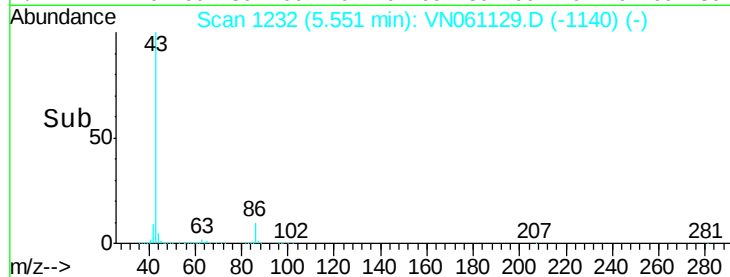
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 86.164 ug/l

RT: 5.51 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

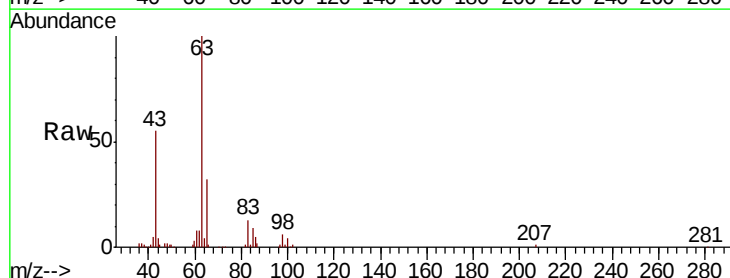
Tgt Ion: 63 Resp: 416093

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN061129.D (-1126) (-)

Ion 97.90 (97.60 to 98.60): VN061129.D (-1126) (-)

Ion 99.90 (99.60 to 100.60): VN061129.D (-1126) (-)

5.51

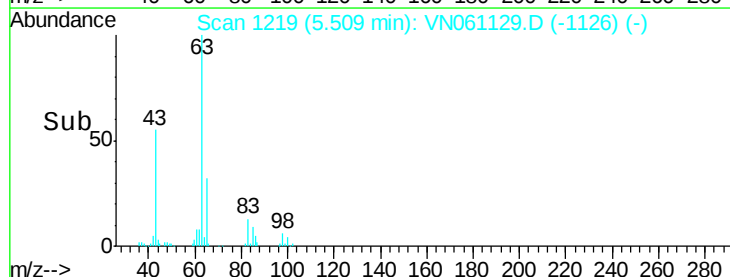
150000

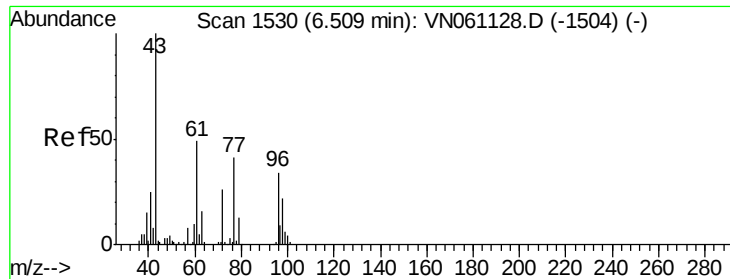
100000

50000

0

Time-->





#25

2-Butanone

Concen: 436.493 ug/l

RT: 6.51 min Scan# 1529

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

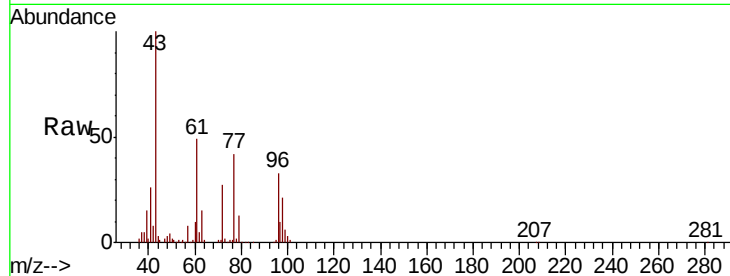
VSTDIC100

Tot Ion: 43 Resp: 777256

Ion Ratio Lower Upper

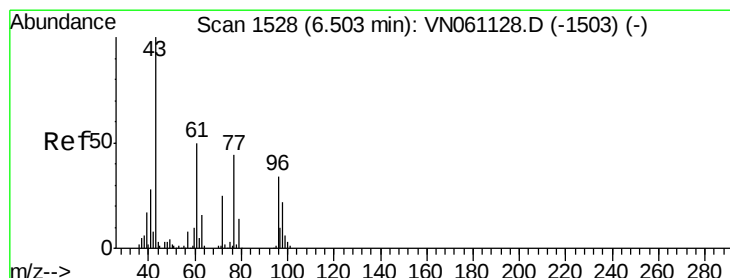
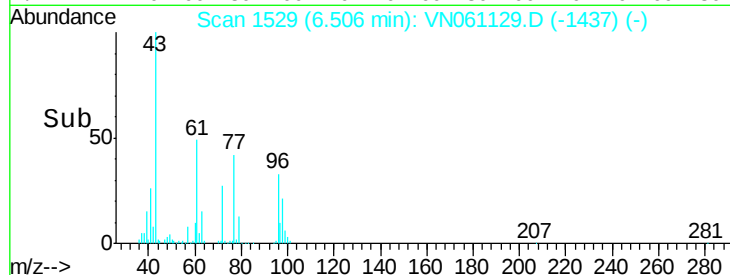
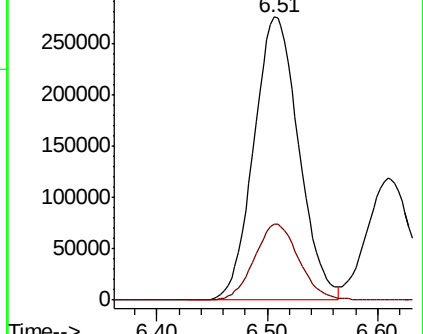
43 100

72 26.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 92.091 ug/l

RT: 6.50 min Scan# 1528

Delta R.T. -0.00 min

Lab File: VN061129.D

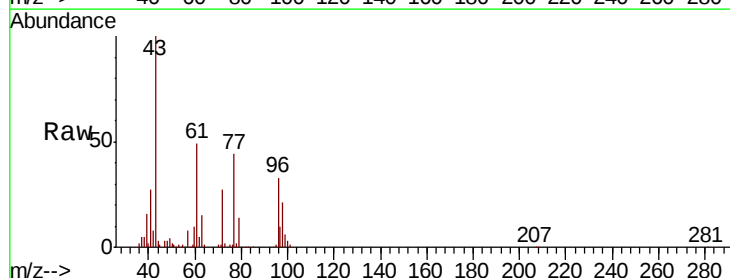
Acq: 22 Apr 2020 14:44

Tgt Ion: 77 Resp: 372994

Ion Ratio Lower Upper

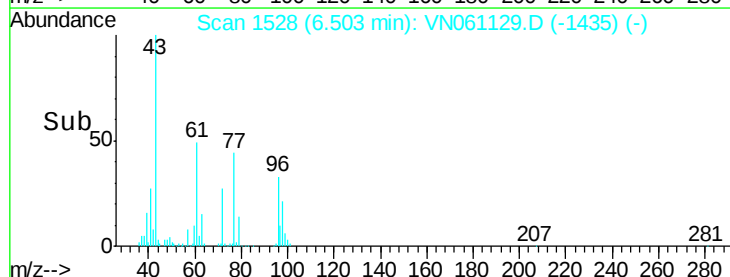
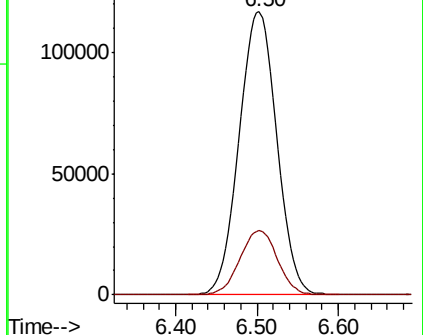
77 100

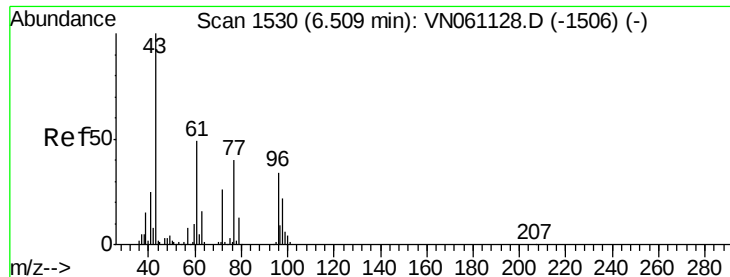
97 22.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 91.991 ug/l

RT: 6.51 min Scan# 1529

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

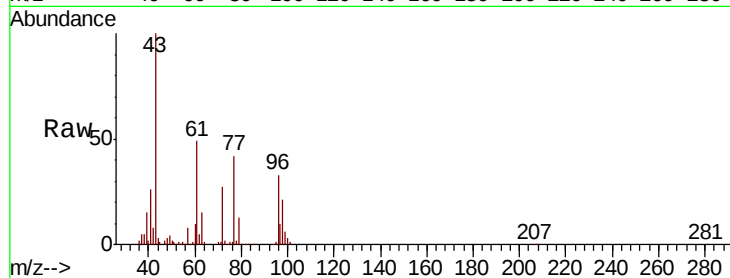
Tot Ion: 96 Resp: 259688

Ion Ratio Lower Upper

96 100

61 150.9 0.0 300.4

98 64.5 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061129.D (-1437) (-)

Ion 60.90 (60.60 to 61.60): VN061129.D (-1437) (-)

Ion 97.90 (97.60 to 98.60): VN061129.D (-1437) (-)

6.51

150000

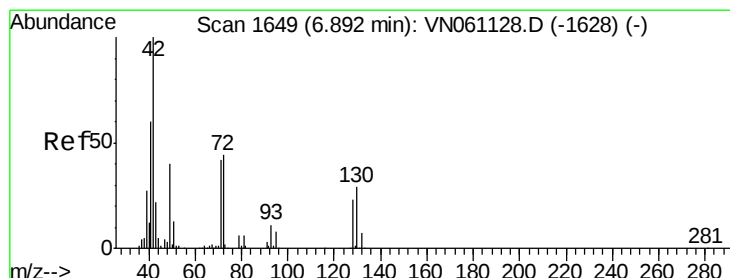
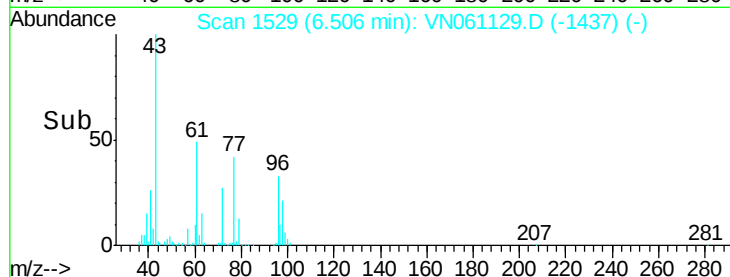
100000

50000

0

6.40 6.50 6.60 6.70

Time-->



#28

Bromochloromethane

Concen: 85.857 ug/l

RT: 6.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

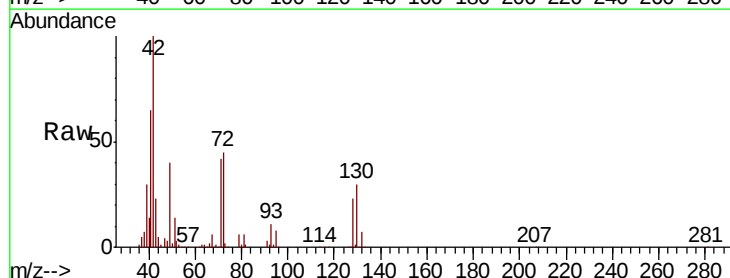
Tgt Ion: 49 Resp: 187367

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.2

130 74.1 59.7 89.5



Abundance Ion 48.90 (48.60 to 49.60): VN061129.D (-1556) (-)

Ion 128.80 (128.50 to 129.50): VN061129.D (-1556) (-)

Ion 129.80 (129.50 to 130.50): VN061129.D (-1556) (-)

6.89

80000

60000

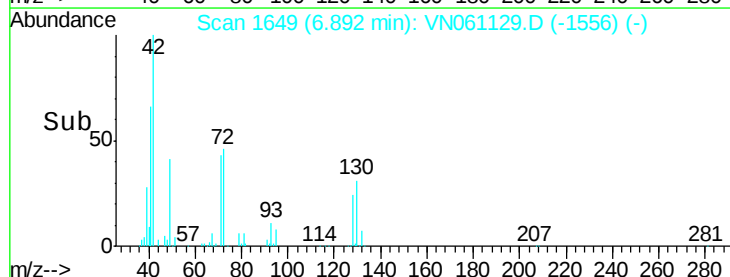
40000

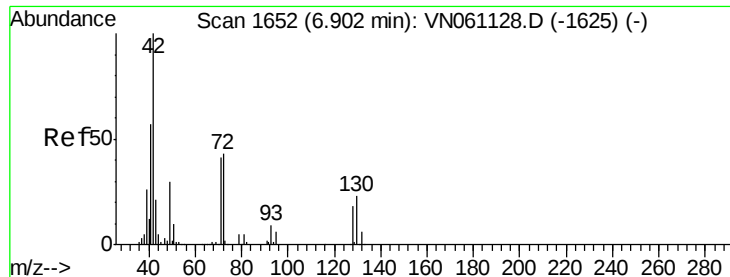
20000

0

6.80 6.90 7.00

Time-->





#29

Tetrahydrofuran

Concen: 437.898 ug/l

RT: 6.90 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

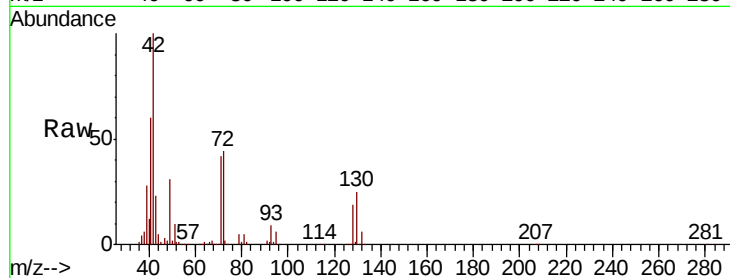
Tot Ion: 42 Resp: 530857

Ion Ratio Lower Upper

42 100

72 44.0 35.1 52.7

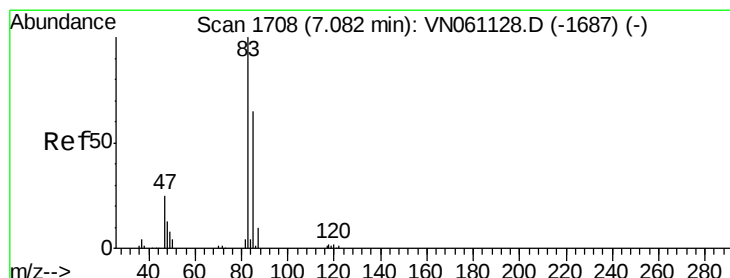
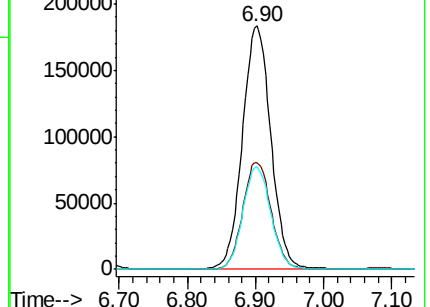
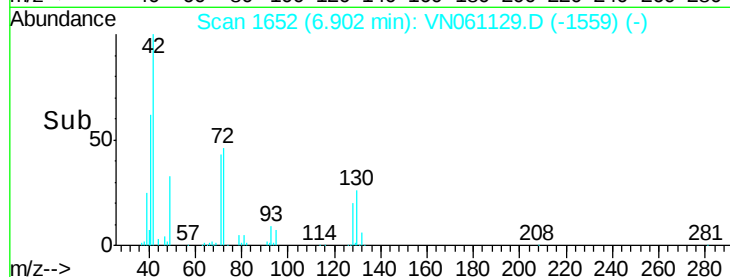
71 41.7 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VN061129.D (-1559) (-)

Ion 72.00 (71.70 to 72.70): VN061129.D (-1559) (-)

Ion 71.00 (70.70 to 71.70): VN061129.D (-1559) (-)



#30

Chloroform

Concen: 91.881 ug/l

RT: 7.08 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VN061129.D

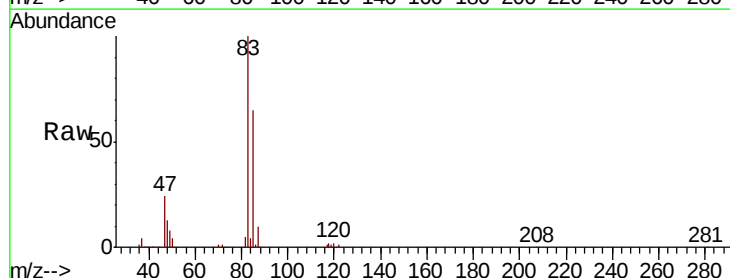
Acq: 22 Apr 2020 14:44

Tgt Ion: 83 Resp: 418816

Ion Ratio Lower Upper

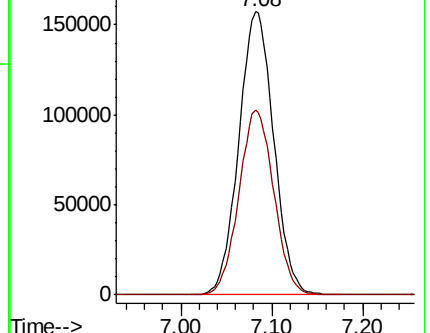
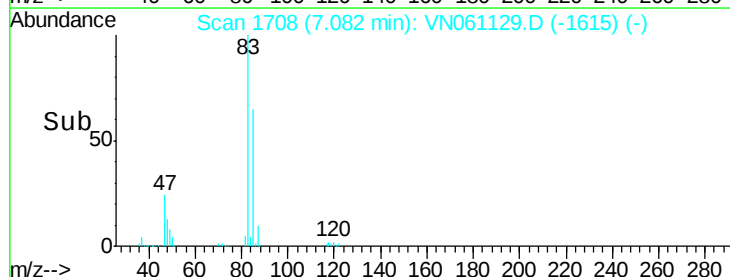
83 100

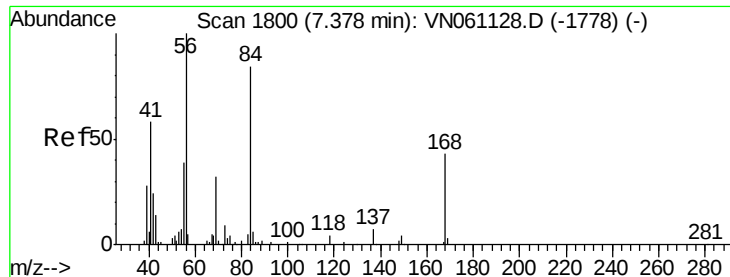
85 65.1 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN061129.D (-1615) (-)

Ion 84.90 (84.60 to 85.60): VN061129.D (-1615) (-)

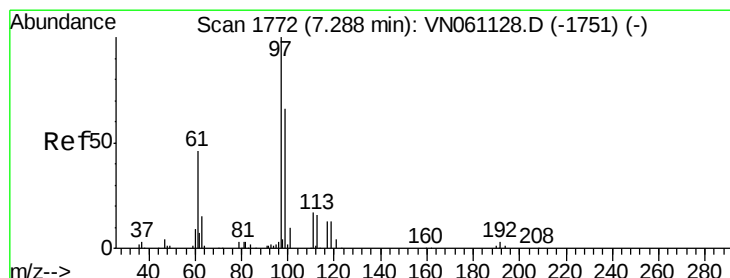
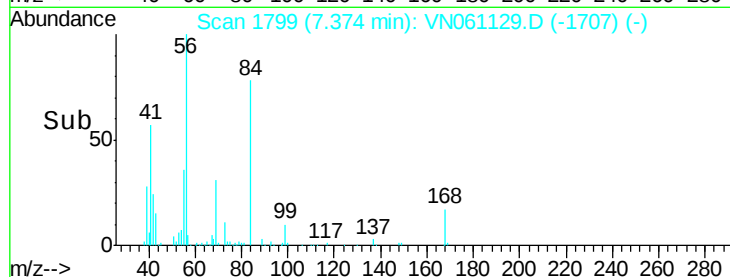
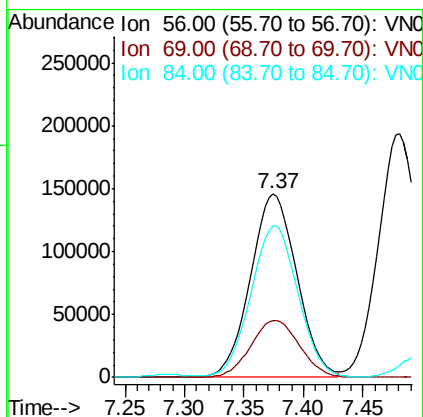
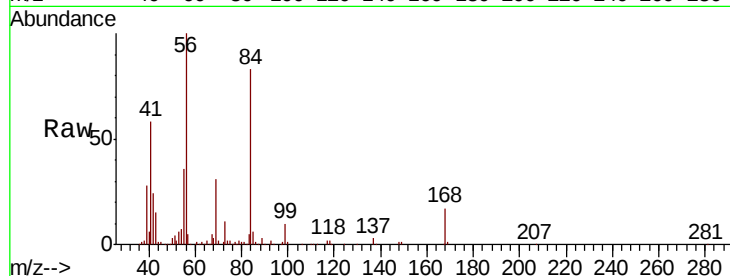




#31
Cyclohexane
Concen: 79.983 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

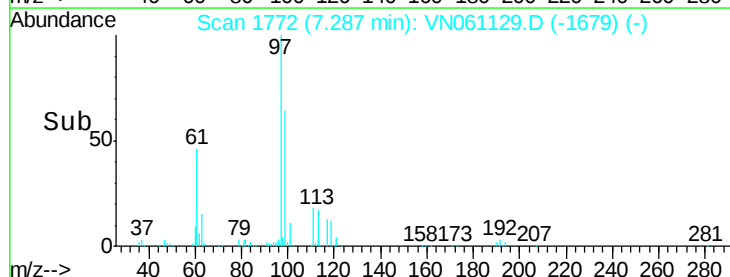
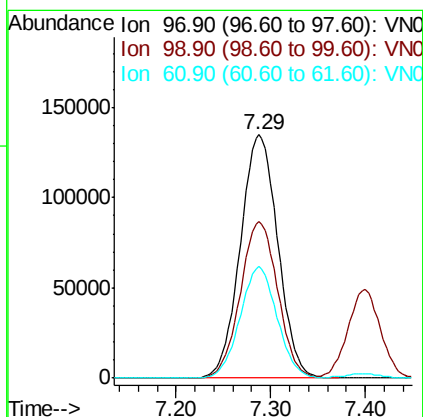
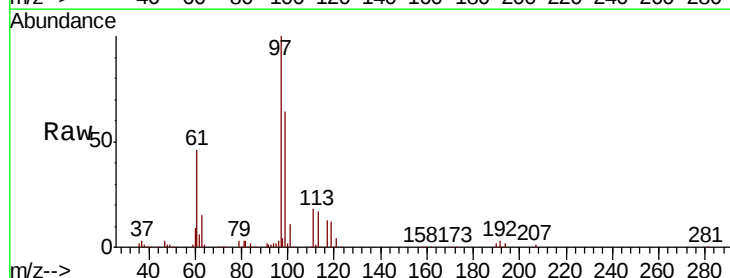
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

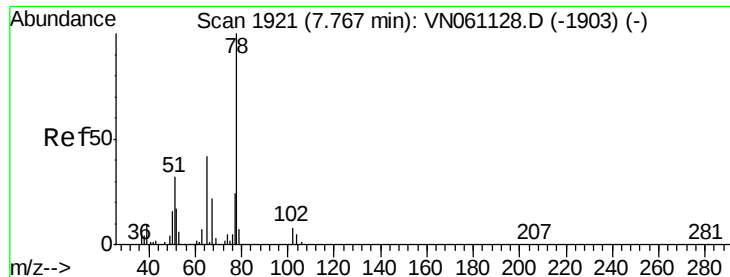
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.9	38.9
84	81.7	67.4	101.0



#32
1,1,1-Trichloroethane
Concen: 93.934 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	45.2	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 98.271 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

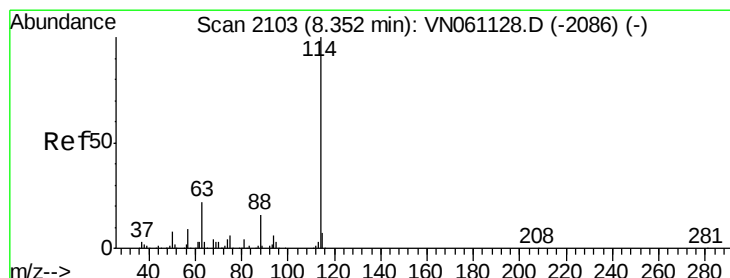
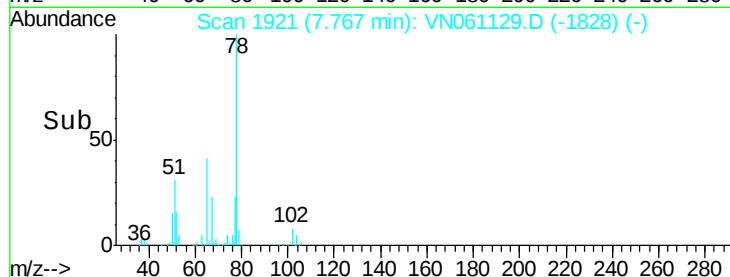
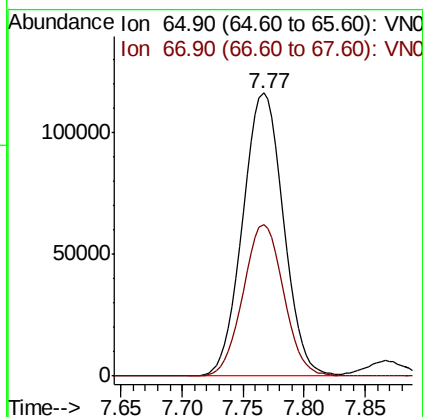
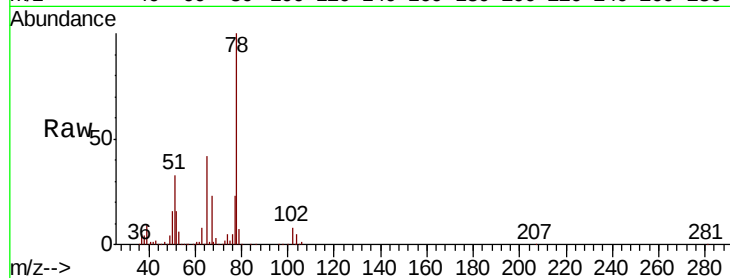
VSTDIC100

Tot Ion: 65 Resp: 269332

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.35 min Scan# 2102

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

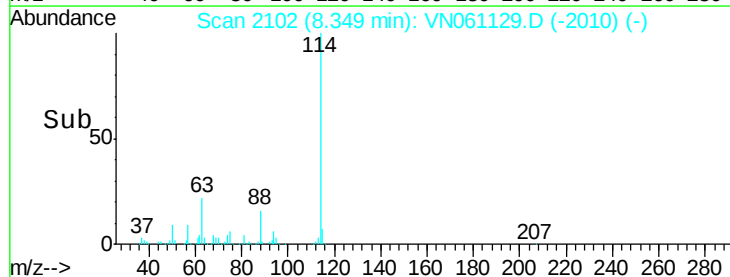
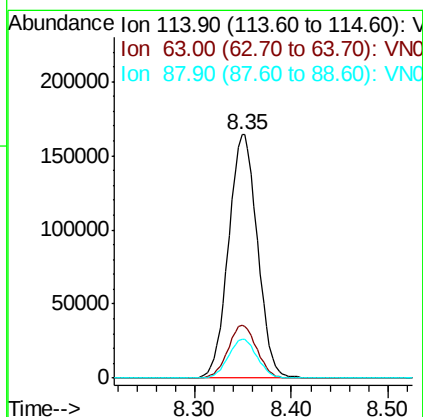
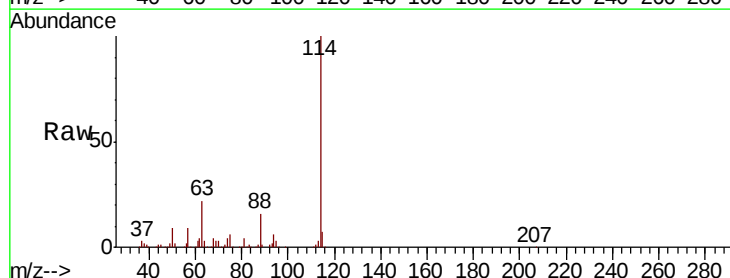
Tgt Ion: 114 Resp: 341162

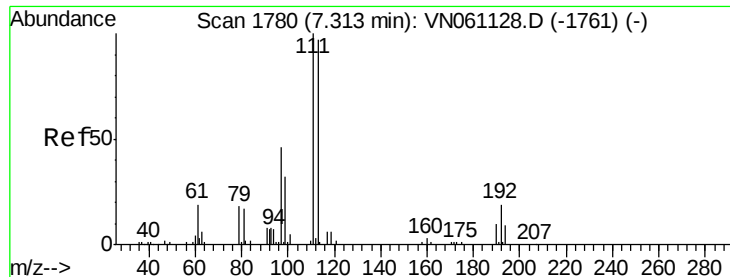
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 16.0 0.0 32.4

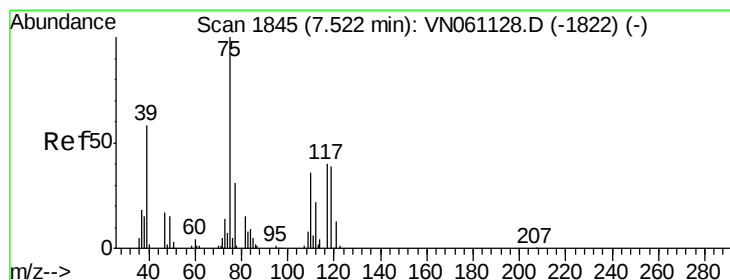
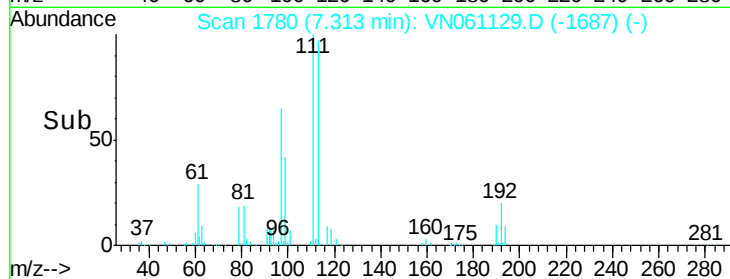
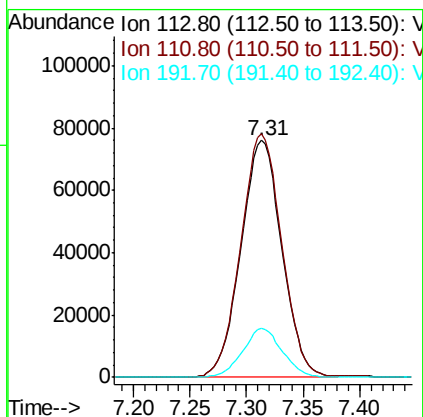
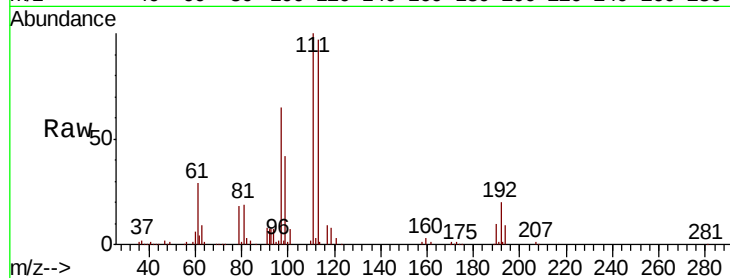




#35
 Dibromofluoromethane
 Concen: 96.157 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

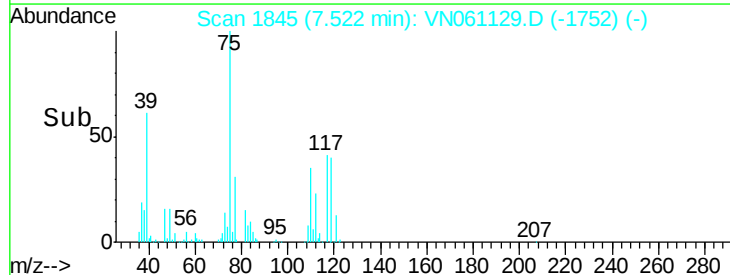
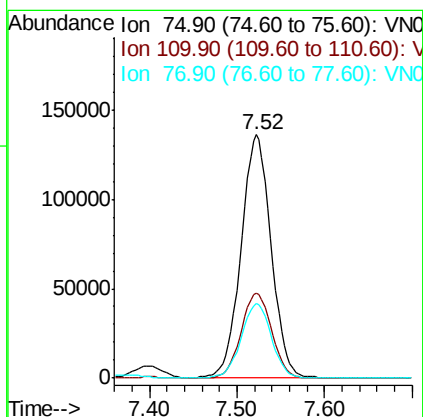
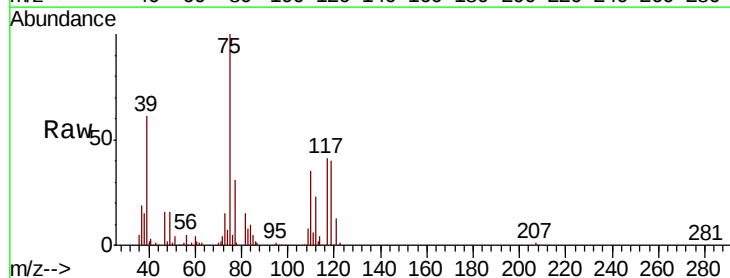
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

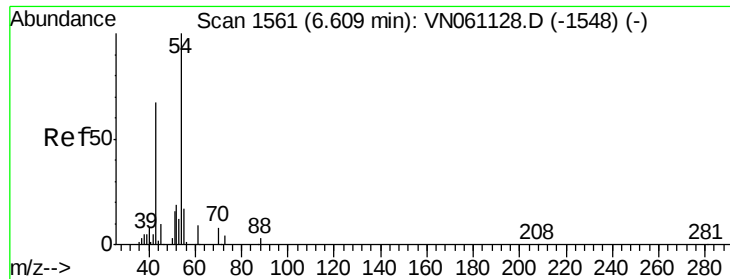
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.0	124.6
192	20.0	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 92.529 ug/l
 RT: 7.52 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.7	53.1
77	31.1	24.8	37.2

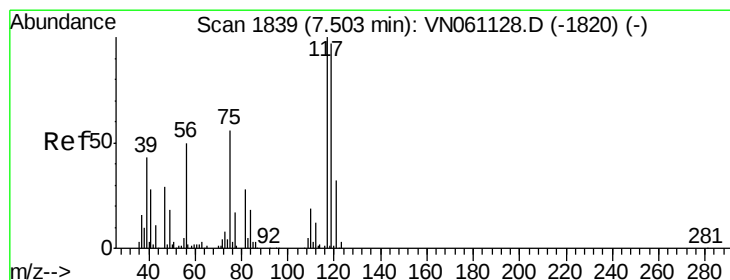
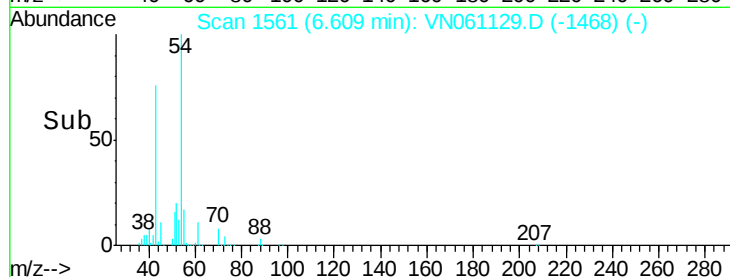
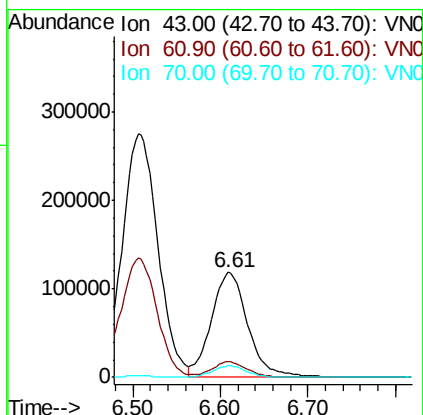
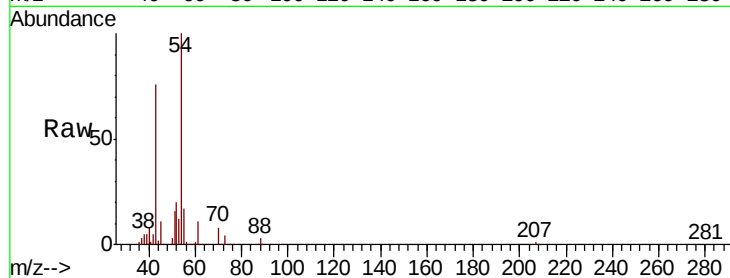




#37
Ethyl Acetate
Concen: 90.117 ug/l
RT: 6.61 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

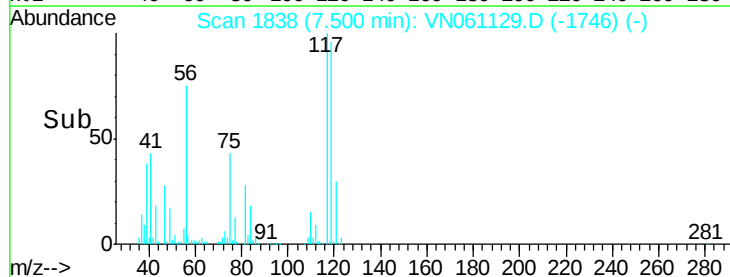
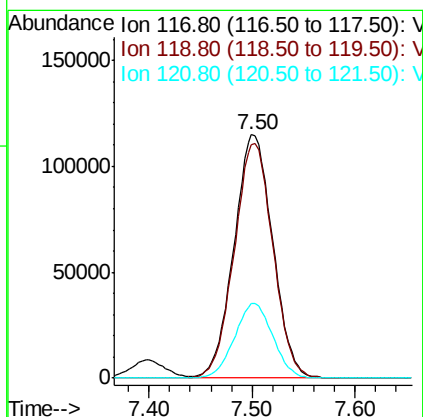
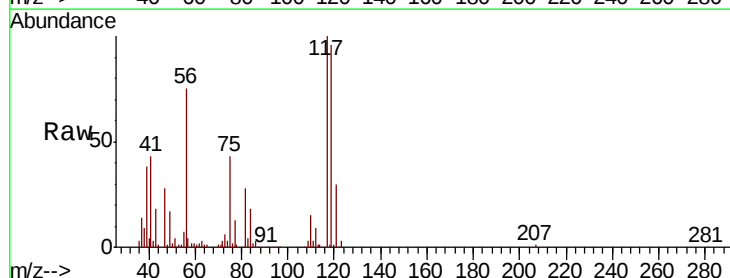
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

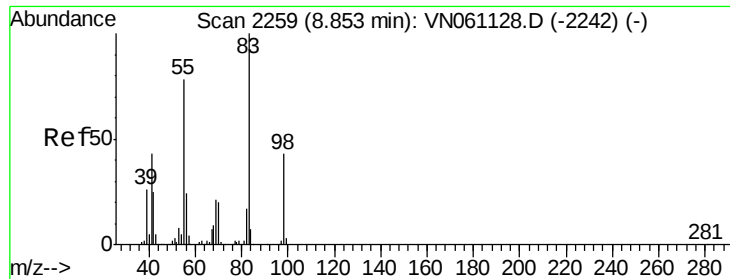
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	10.6	8.2	12.4



#38
Carbon Tetrachloride
Concen: 102.415 ug/l
RT: 7.50 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	30.5	25.0	37.6

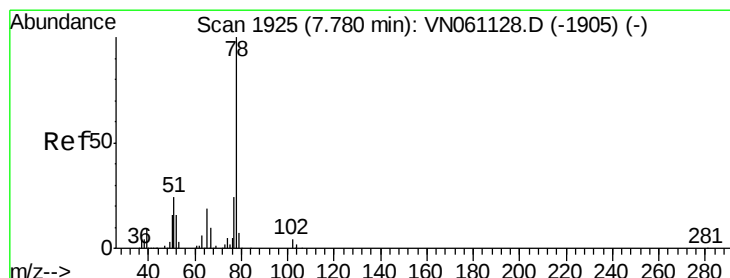
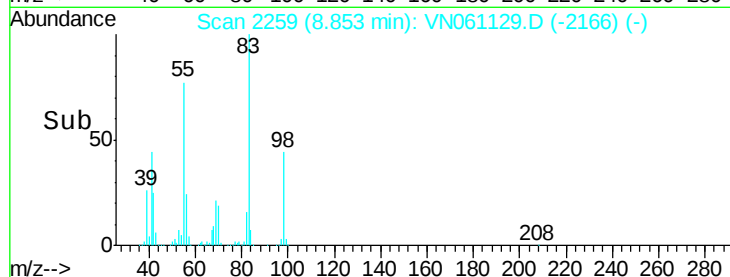
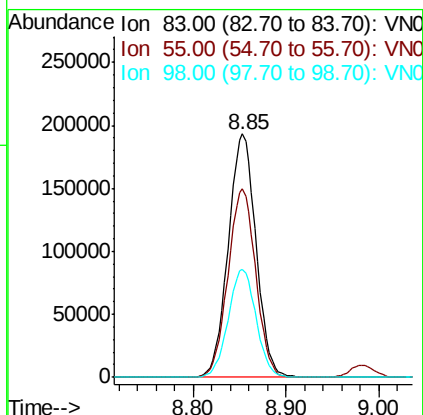
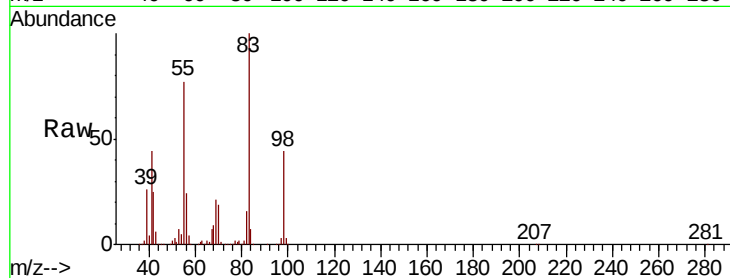




#39
Methvlcvclohexane
Concen: 95.530 ug/l
RT: 8.85 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

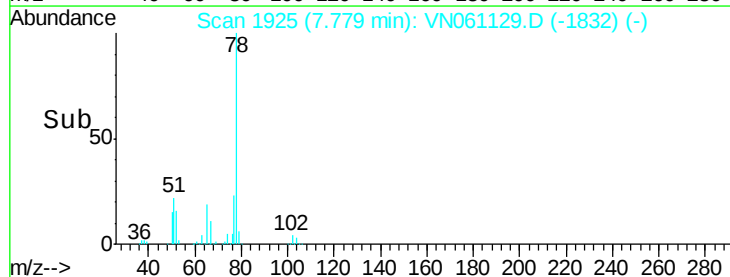
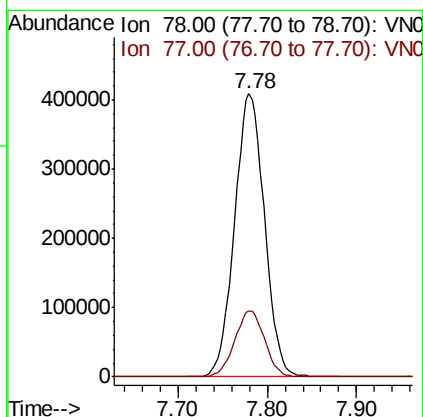
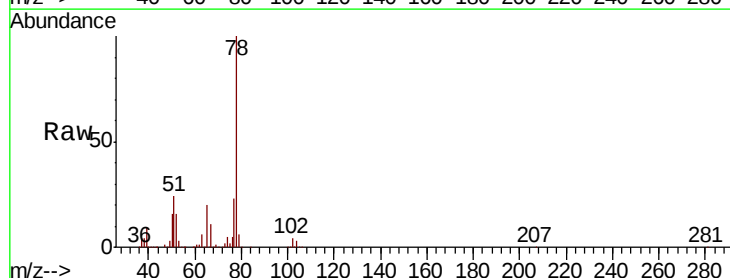
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

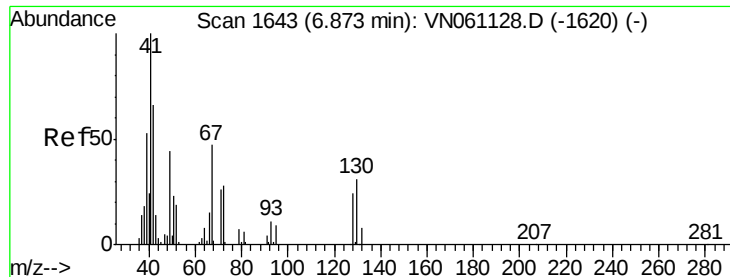
Tot Ion: 83 Resp: 400055
Ion Ratio Lower Upper
83 100
55 77.3 62.2 93.4
98 44.3 34.7 52.1



#40
Benzene
Concen: 91.831 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion: 78 Resp: 951834
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6

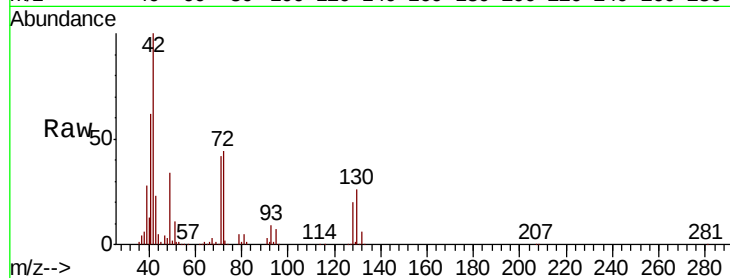




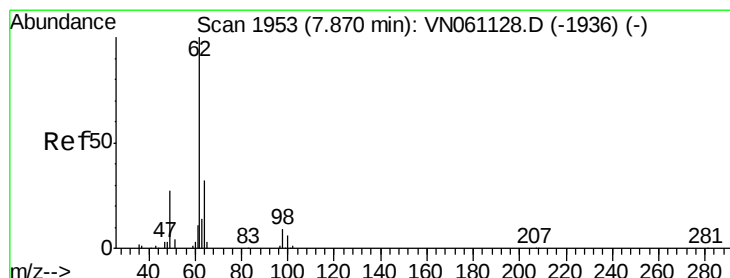
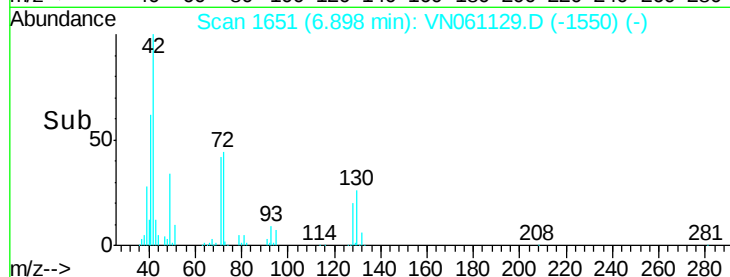
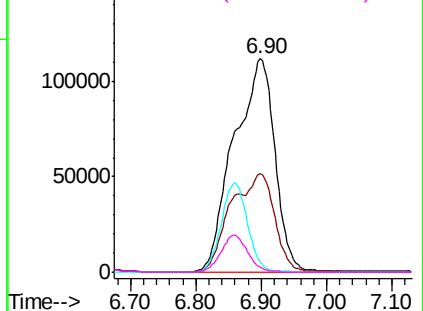
#41
Methacrylonitrile
Concen: 305.687 ug/l
RT: 6.90 min Scan# 1651
Delta R.T. 0.03 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	487568
Ion	Ratio	Lower	Upper
41	100		
39	0.0	119.4	179.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

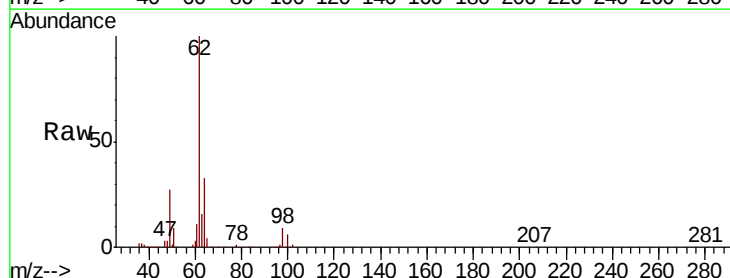


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

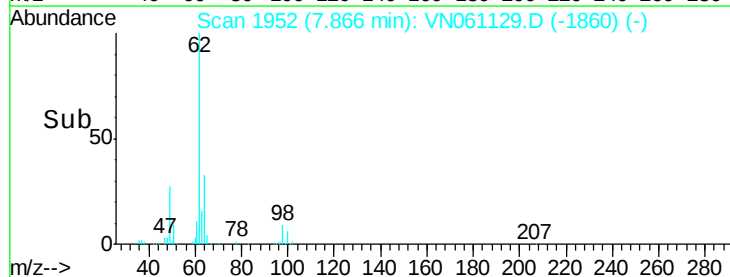
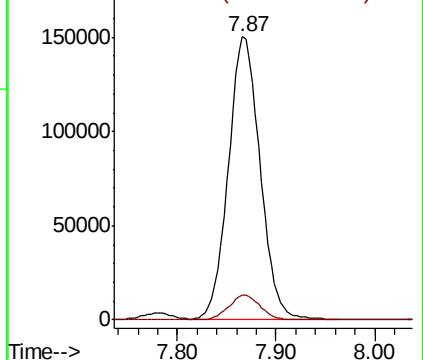


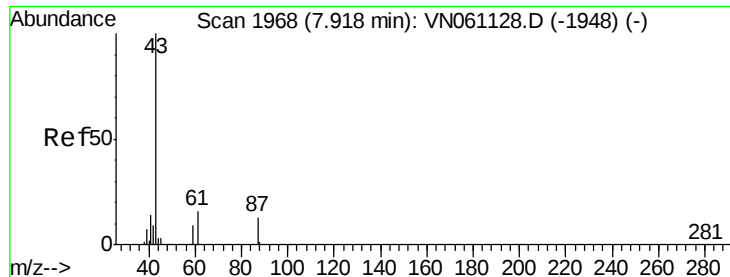
#42
1,2-Dichloroethane
Concen: 94.911 ug/l
RT: 7.87 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion:	62	Resp:	336775
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 92.176 ug/l

RT: 7.92 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

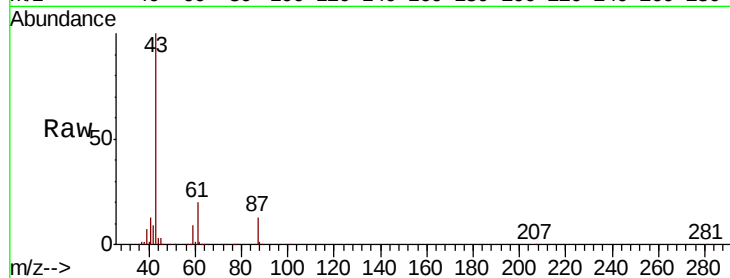
Tot Ion: 43 Resp: 565327

Ion Ratio Lower Upper

43 100

61 20.3 15.5 23.3

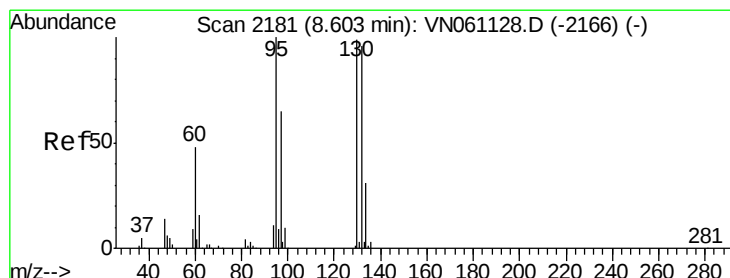
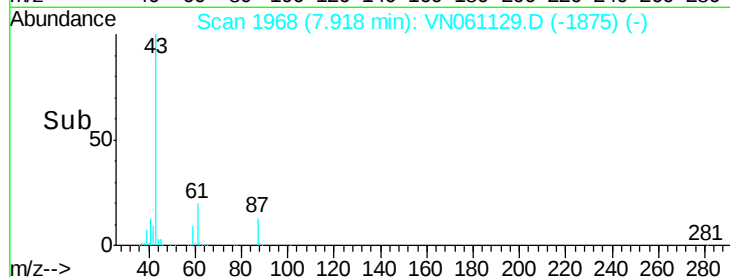
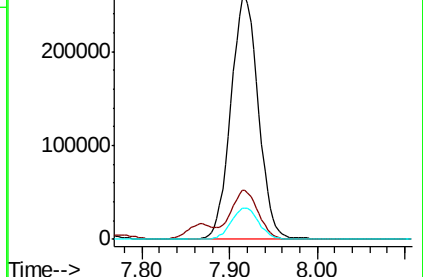
87 12.9 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN061129.D (-1875) (-)

Ion 61.00 (60.70 to 61.70): VN061129.D (-1875) (-)

Ion 87.00 (86.70 to 87.70): VN061129.D (-1875) (-)



#44

Trichloroethene

Concen: 102.332 ug/l

RT: 8.60 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VN061129.D

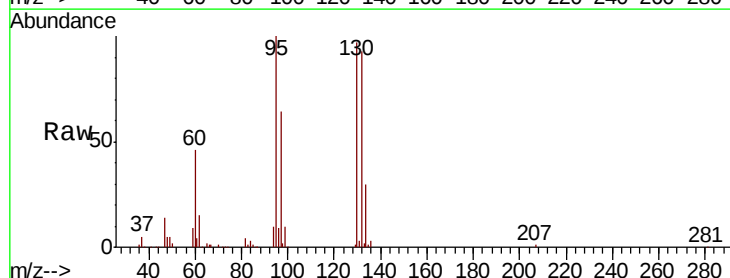
Acq: 22 Apr 2020 14:44

Tgt Ion: 130 Resp: 273221

Ion Ratio Lower Upper

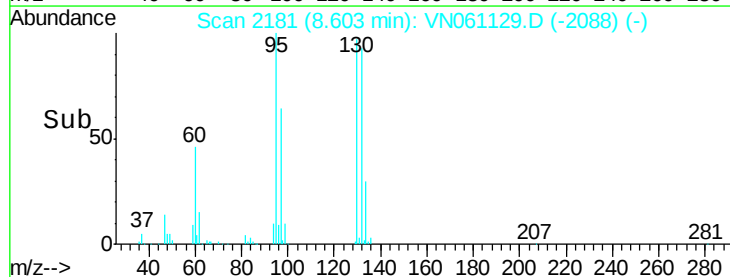
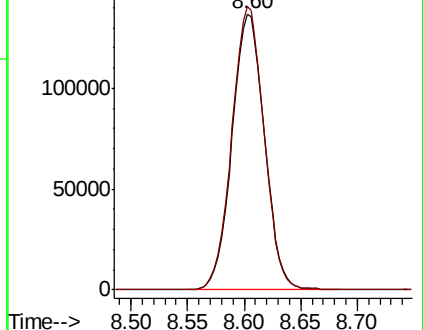
130 100

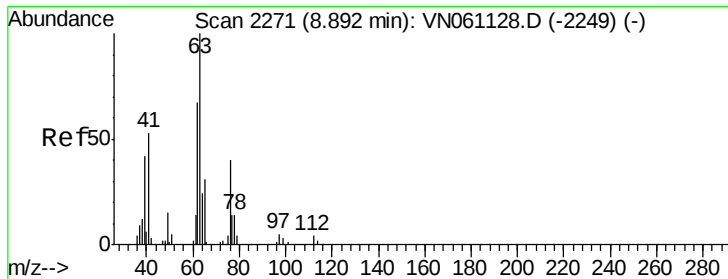
95 102.6 0.0 202.6



Abundance Ion 129.80 (129.50 to 130.50): VN061129.D (-2088) (-)

Ion 94.90 (94.60 to 95.60): VN061129.D (-2088) (-)

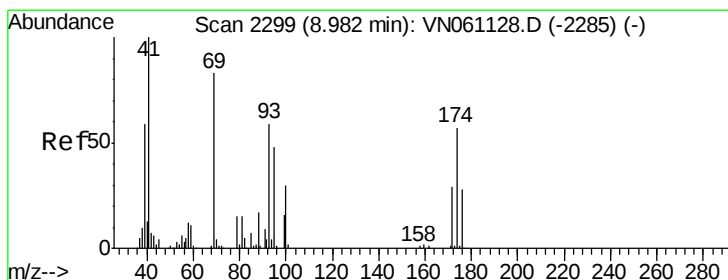
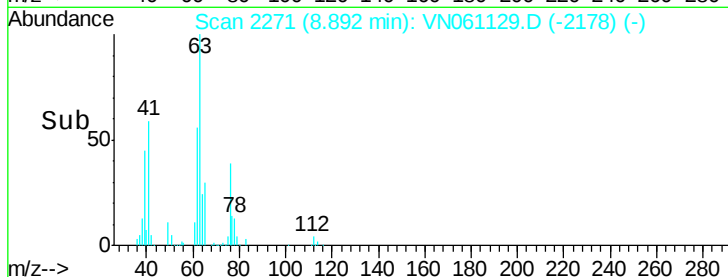
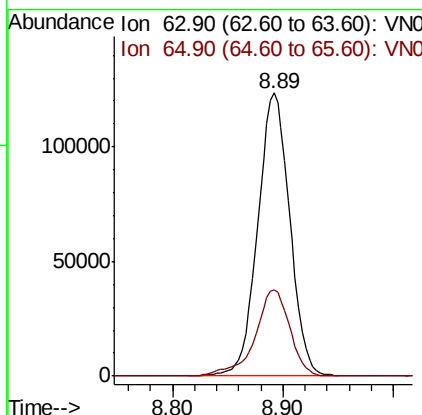
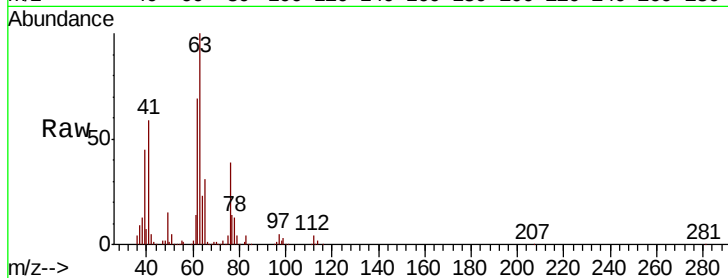




#45
 1,2-Dichloropropane
 Concen: 89.431 ug/l
 RT: 8.89 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

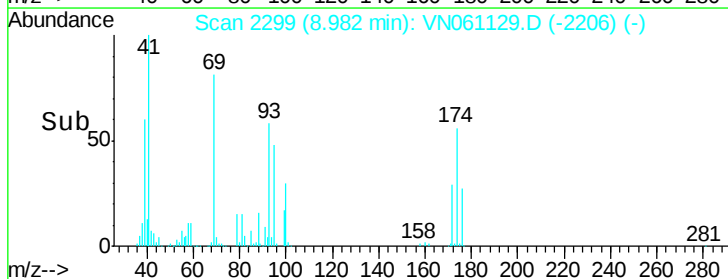
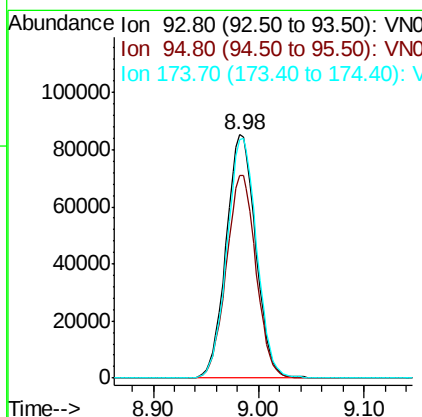
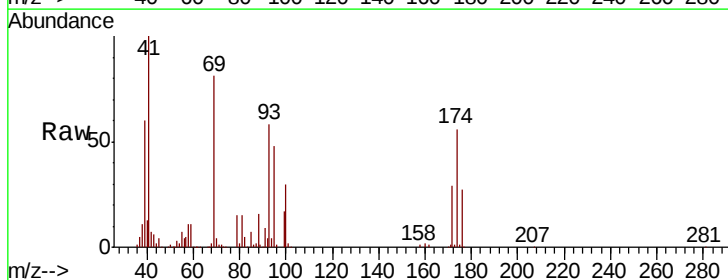
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

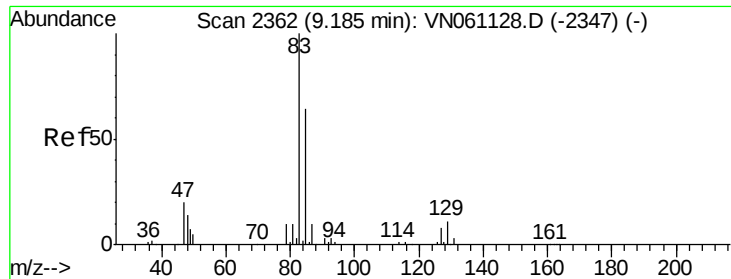
Tot Ion: 63 Resp: 249439
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1



#46
 Dibromomethane
 Concen: 101.089 ug/l
 RT: 8.98 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion: 93 Resp: 165299
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.0 97.4
 174 99.0 77.8 116.6

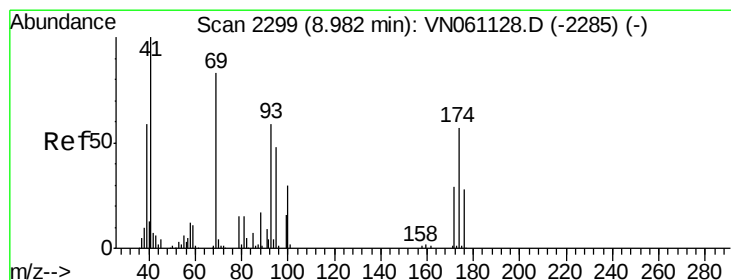
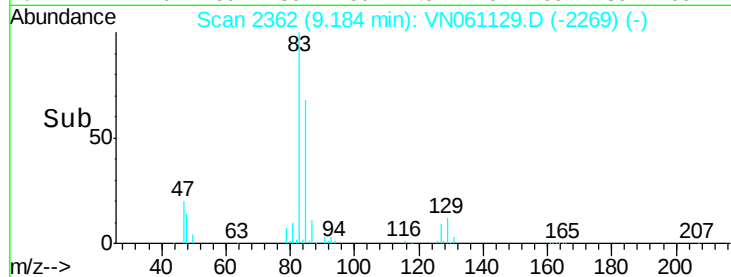
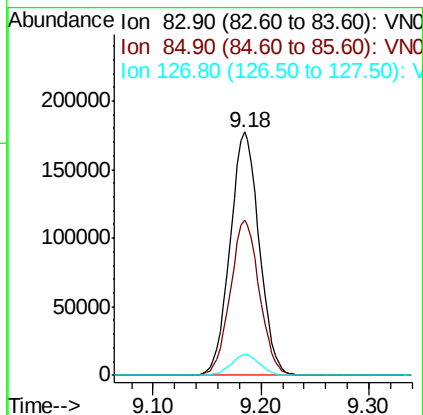
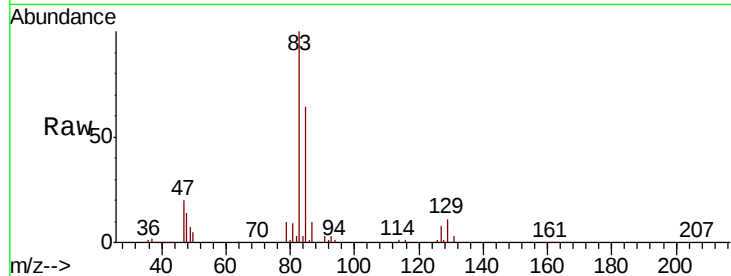




#47
 Bromodichloromethane
 Concen: 97.434 ug/l
 RT: 9.18 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

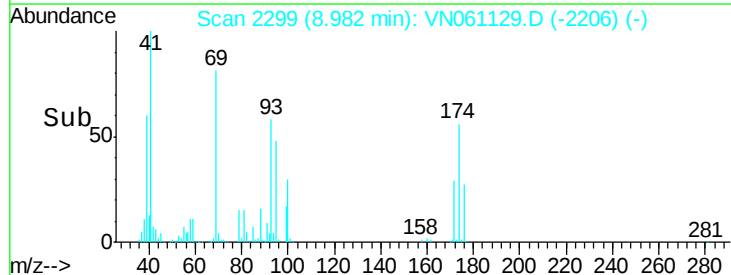
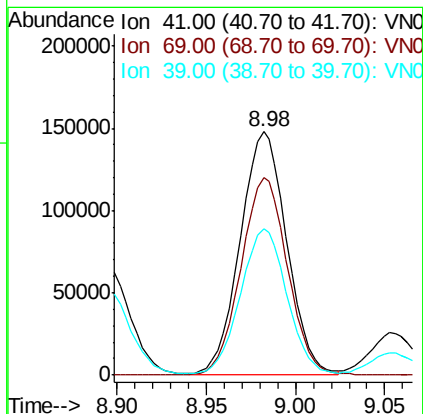
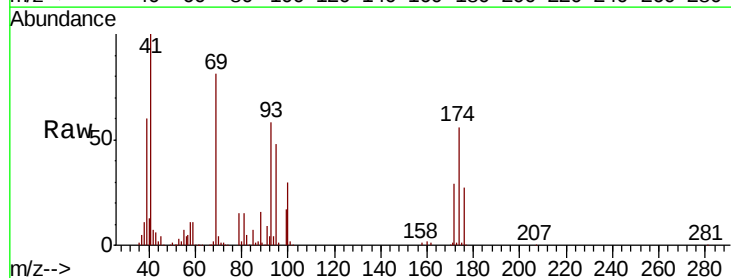
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

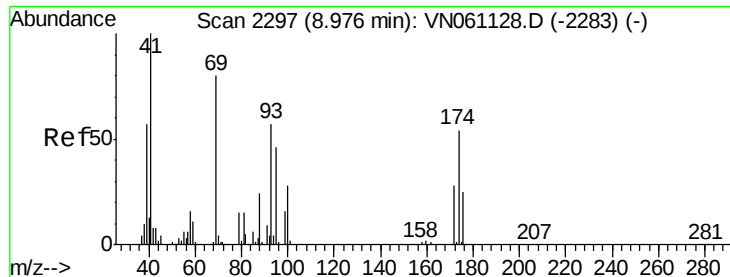
Tot Ion: 83 Resp: 333713
 Ion Ratio Lower Upper
 83 100
 85 64.0 51.4 77.2
 127 8.4 6.6 10.0



#48
 Methyl methacrylate
 Concen: 99.142 ug/l
 RT: 8.98 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion: 41 Resp: 270666
 Ion Ratio Lower Upper
 41 100
 69 81.1 65.4 98.2
 39 60.2 47.8 71.6

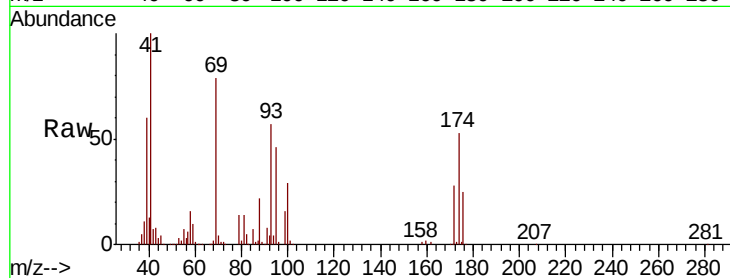




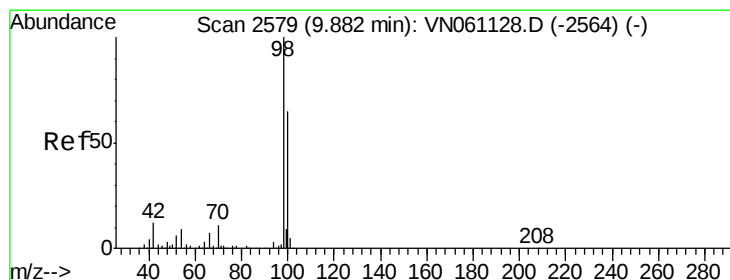
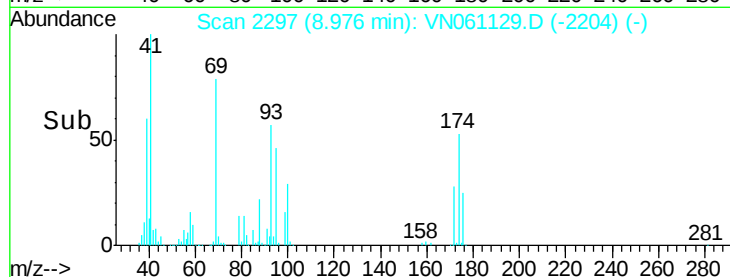
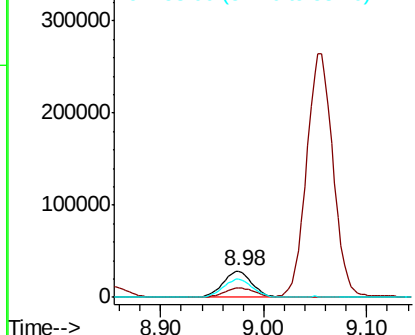
#49
1,4-Dioxane
Concen: 1690.620 ug/l
RT: 8.98 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 56016
Ion Ratio Lower Upper
88 100
43 36.2 29.0 43.4
58 69.4 57.8 86.6

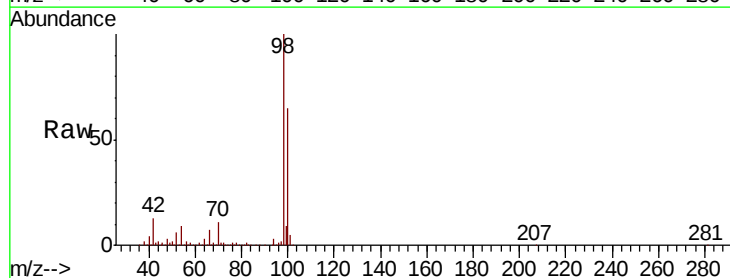


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

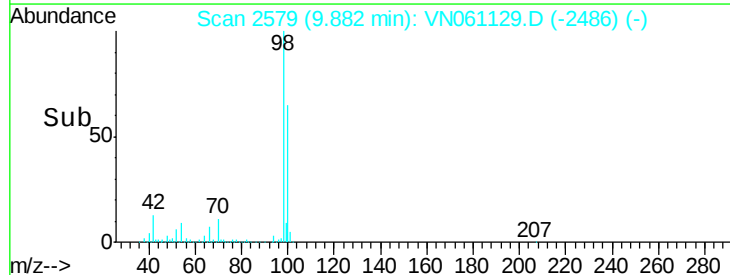
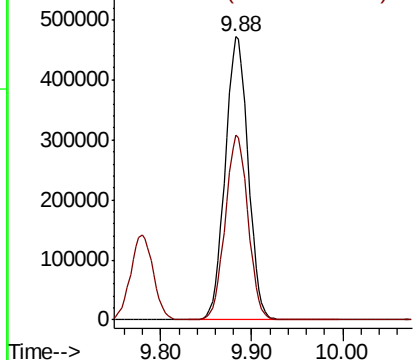


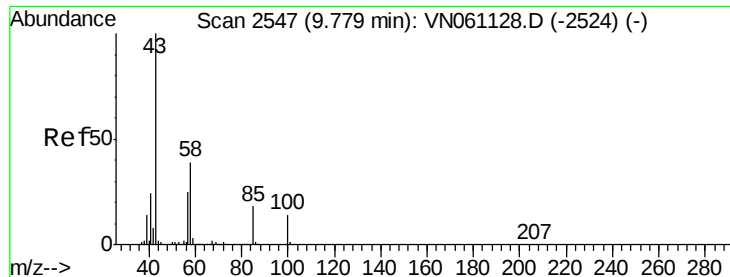
#50
Toluene-d8
Concen: 106.690 ug/l
RT: 9.88 min Scan# 2579
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion: 98 Resp: 826026
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

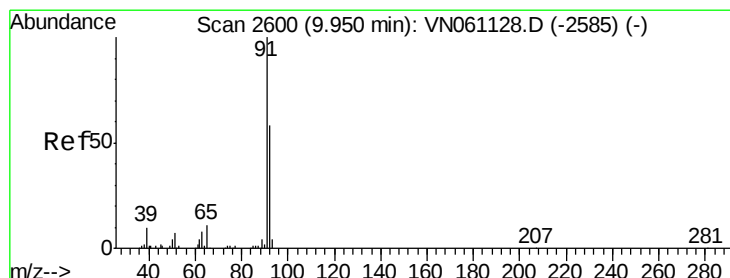
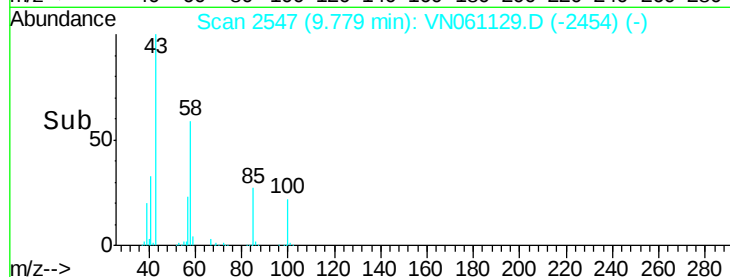
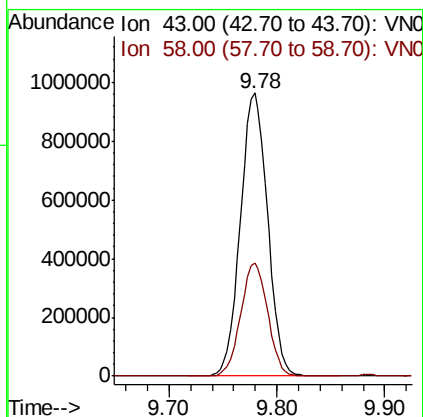
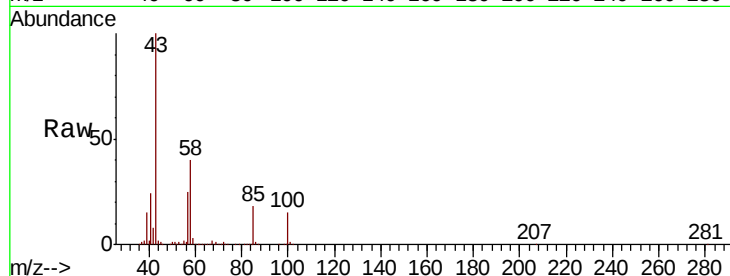




#51
 4-Methyl-2-Pentanone
 Concen: 476.807 ug/l
 RT: 9.78 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

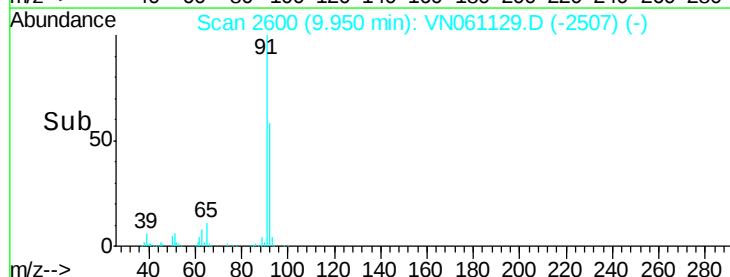
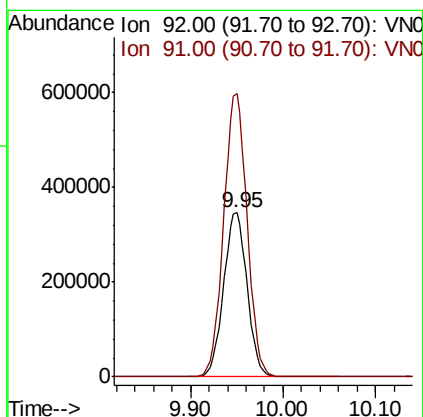
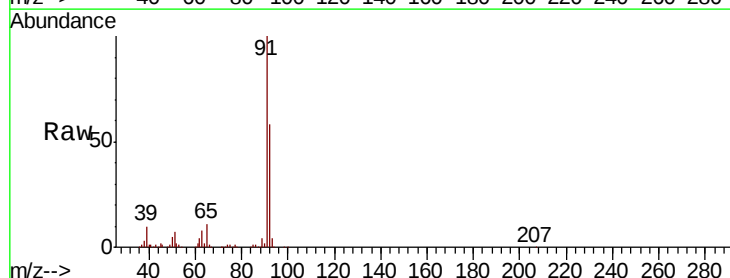
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

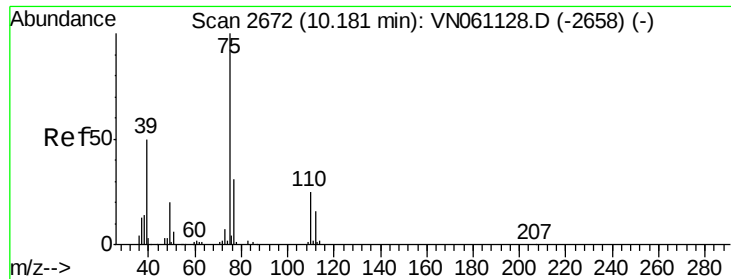
Tot Ion: 43 Resp: 1691043
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.0 46.6



#52
 Toluene
 Concen: 97.022 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion: 92 Resp: 606740
 Ion Ratio Lower Upper
 92 100
 91 172.5 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 100.920 ug/l

RT: 10.18 min Scan# 2672

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampled :

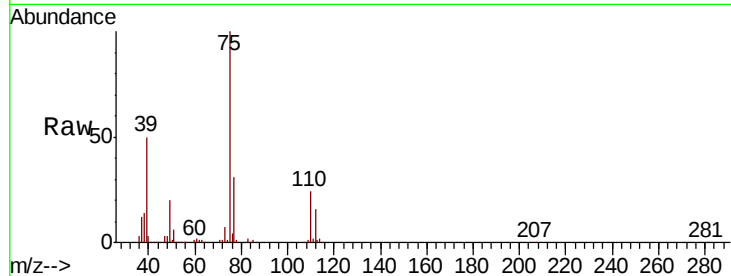
VSTDIC100

Tot Ion: 75 Resp: 402048

Ion Ratio Lower Upper

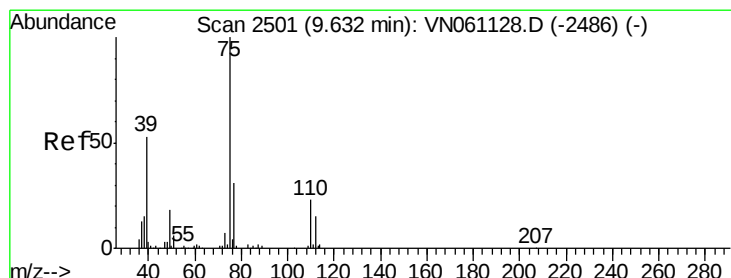
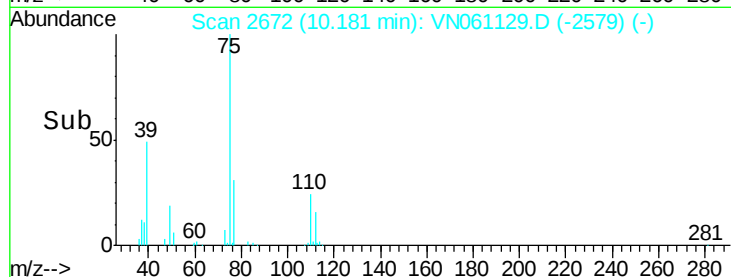
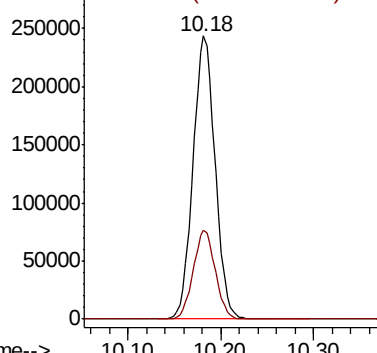
75 100

77 31.5 25.1 37.7



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: 96.203 ug/l

RT: 9.63 min Scan# 2500

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

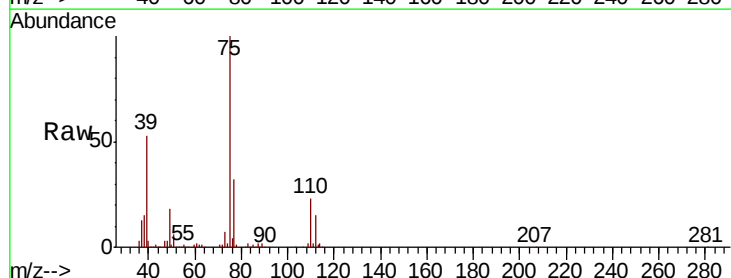
Tgt Ion: 75 Resp: 416597

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

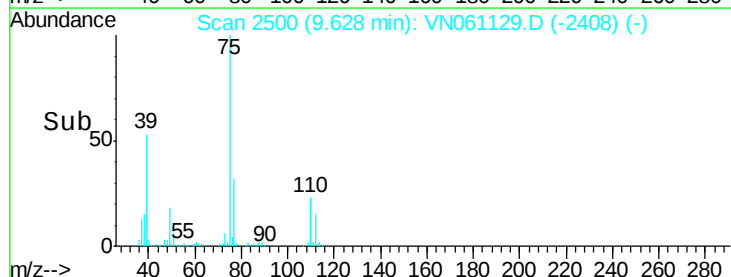
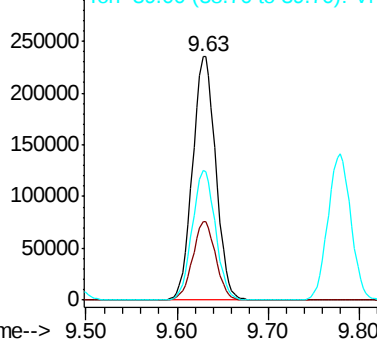
39 53.2 42.1 63.1

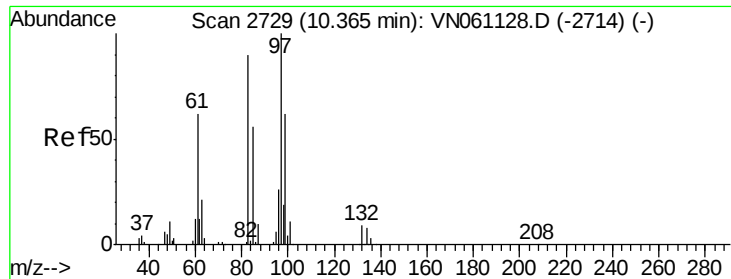


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

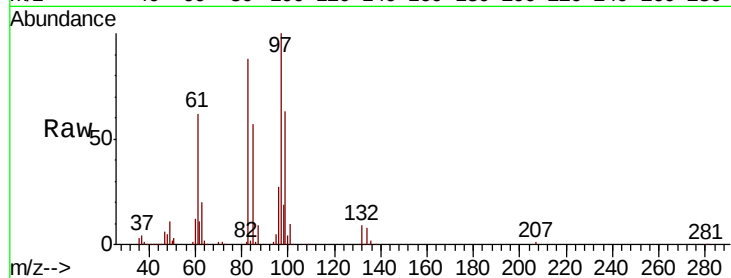




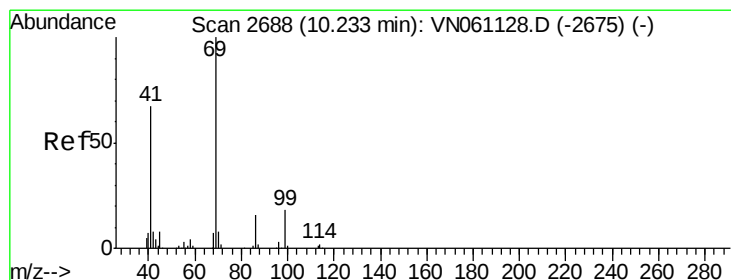
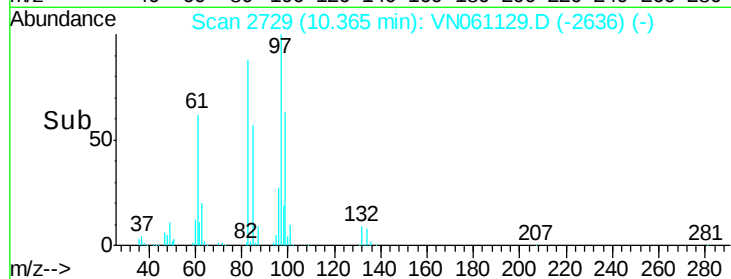
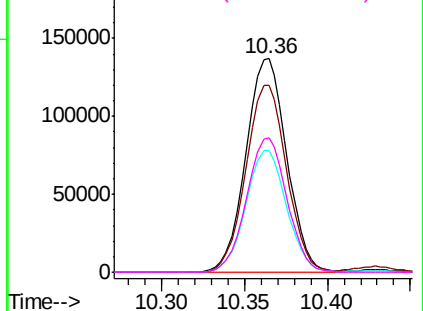
#55
 1,1,2-Trichloroethane
 Concen: 98.861 ug/l
 RT: 10.36 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 97 Resp: 234448
 Ion Ratio Lower Upper
 97 100
 83 87.6 71.8 107.6
 85 56.8 45.0 67.6
 99 63.2 49.8 74.8

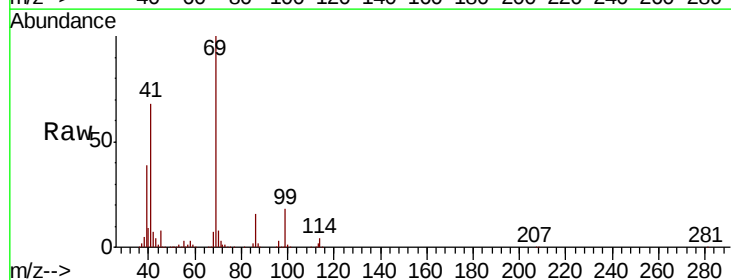


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

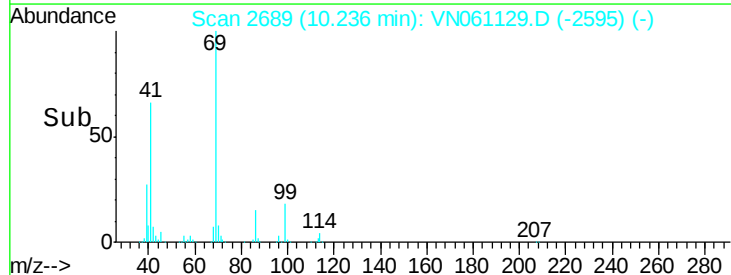
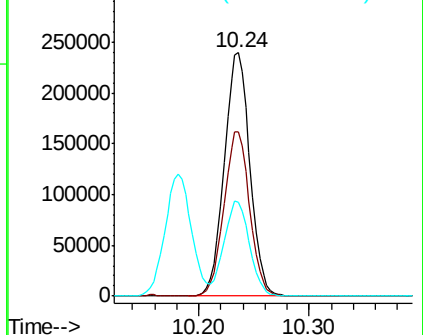


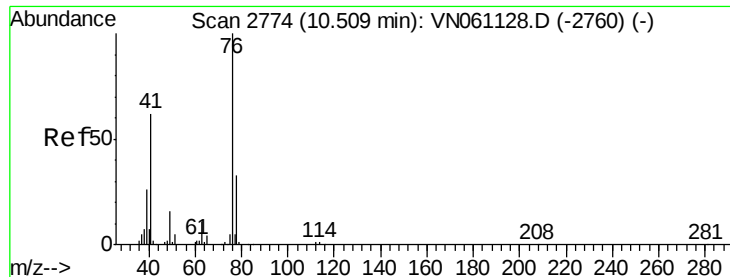
#56
 Ethyl methacrylate
 Concen: 103.920 ug/l
 RT: 10.24 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion: 69 Resp: 385329
 Ion Ratio Lower Upper
 69 100
 41 67.9 54.0 81.0
 39 38.7 31.4 47.0



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: 95.026 ug/l

RT: 10.51 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampled :

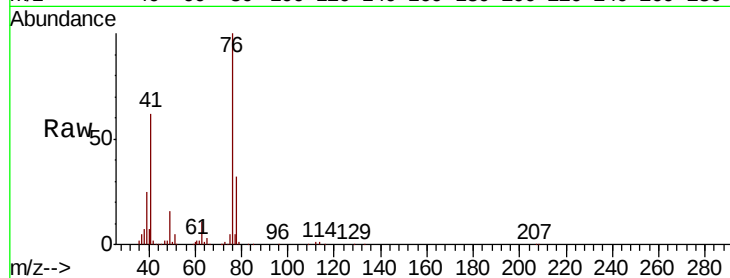
VSTDIC100

Tot Ion: 76 Resp: 399320

Ion Ratio Lower Upper

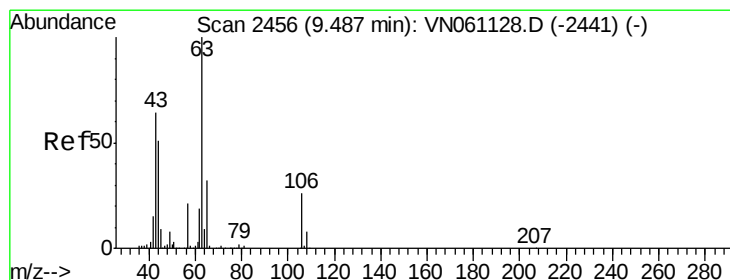
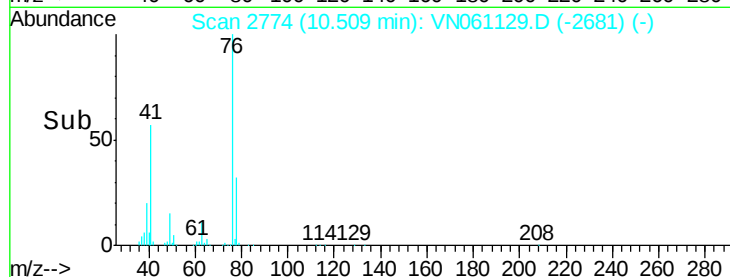
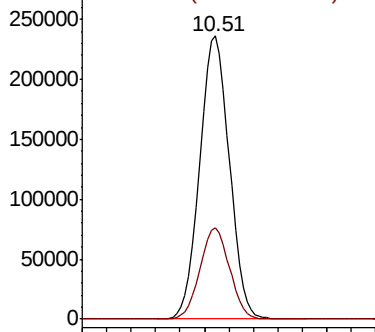
76 100

78 32.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 564.988 ug/l

RT: 9.49 min Scan# 2456

Delta R.T. -0.00 min

Lab File: VN061129.D

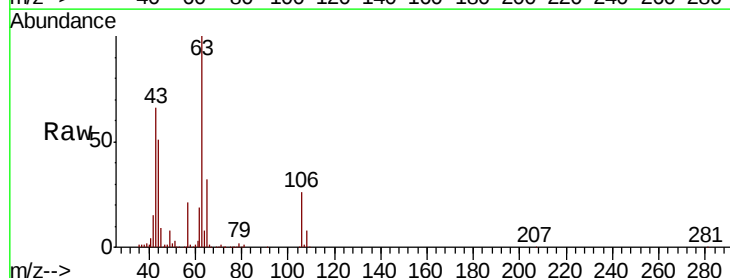
Acq: 22 Apr 2020 14:44

Tgt Ion: 63 Resp: 994396

Ion Ratio Lower Upper

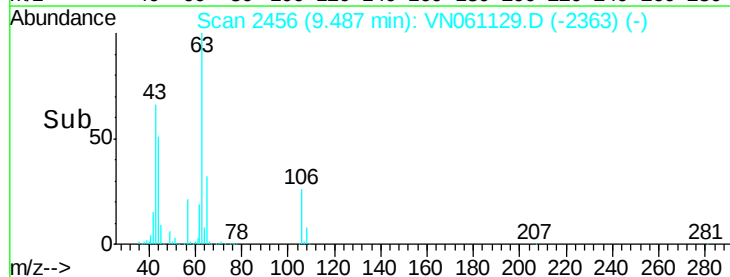
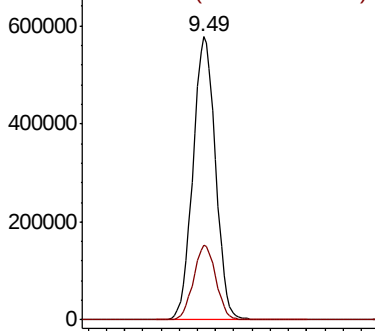
63 100

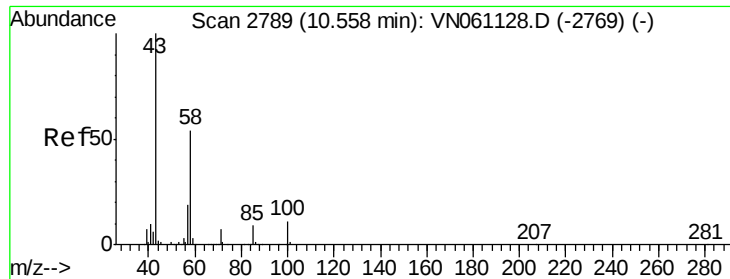
106 26.3 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

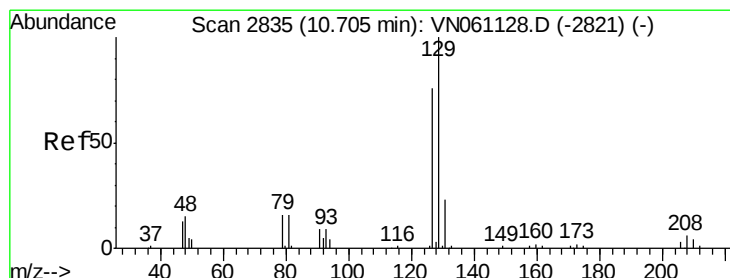
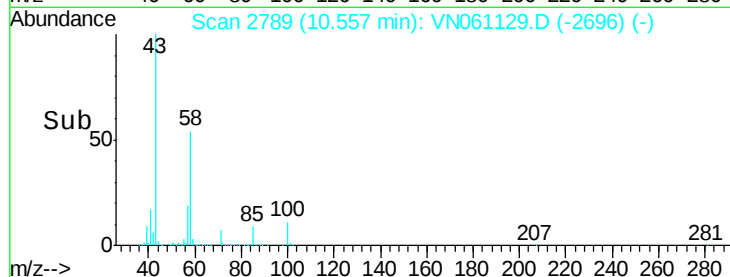
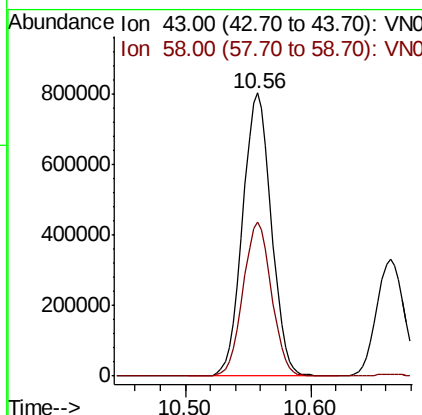
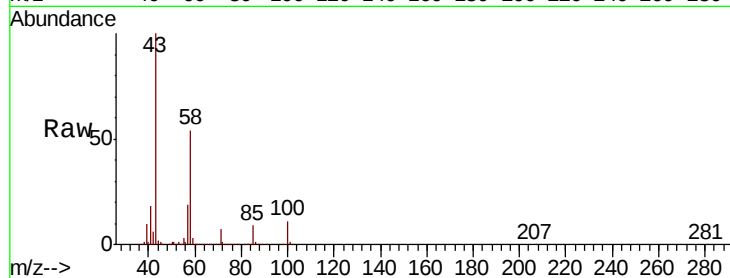




#59
2-Hexanone
Concen: 497.346 ug/l
RT: 10.56 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

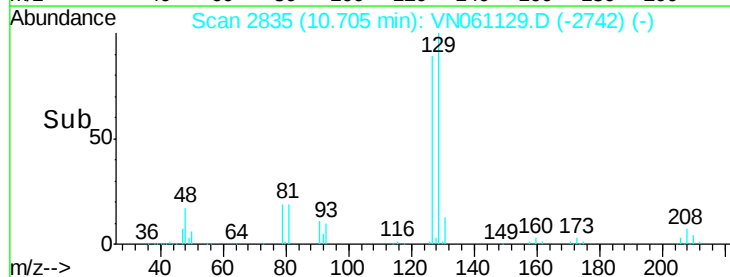
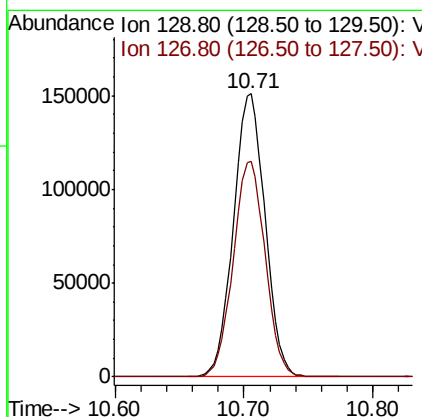
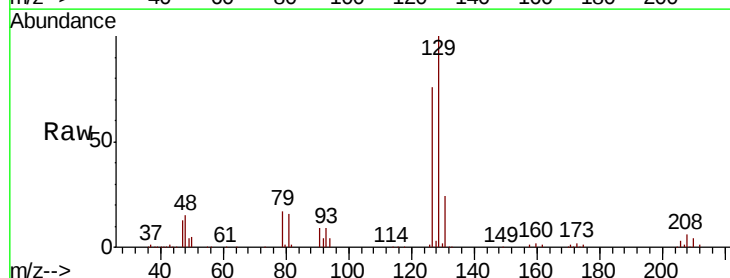
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

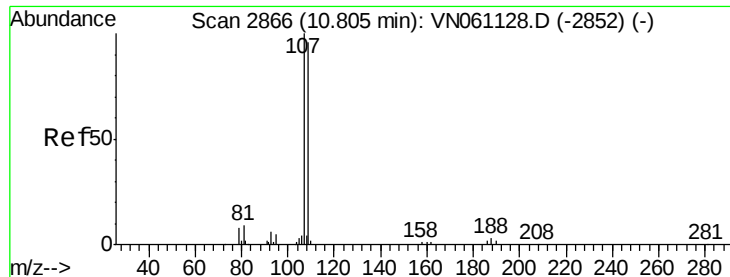
Tot Ion: 43 Resp: 1275549
Ion Ratio Lower Upper
43 100
58 54.2 26.9 80.6



#60
Dibromochloromethane
Concen: 105.191 ug/l
RT: 10.71 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion: 129 Resp: 257385
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





#61

1,2-Dibromoethane

Concen: 102.892 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

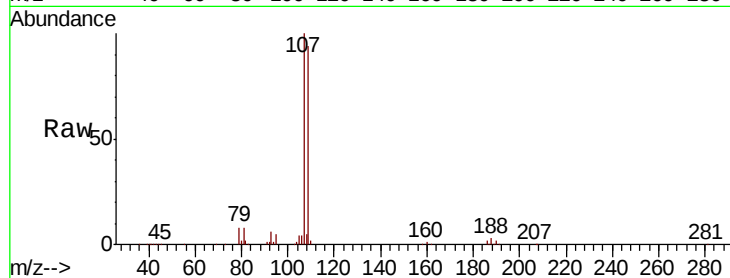
VSTDIC100

Tot Ion:107 Resp: 250080

Ion Ratio Lower Upper

107 100

109 94.4 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.81

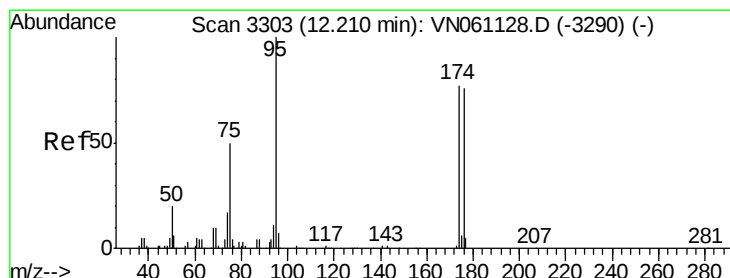
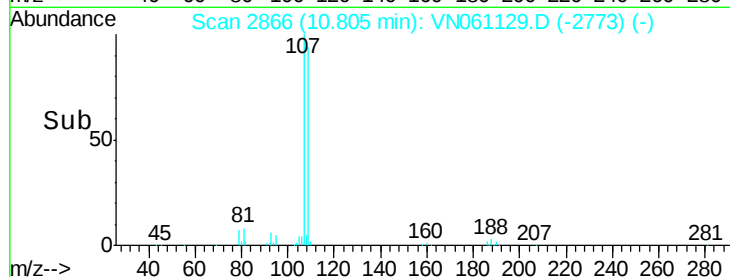
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 104.650 ug/l

RT: 12.21 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

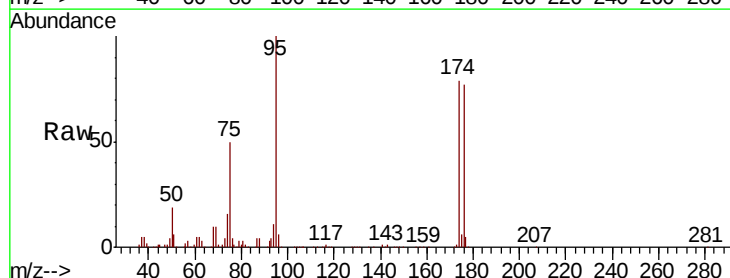
Tgt Ion: 95 Resp: 314119

Ion Ratio Lower Upper

95 100

174 79.3 0.0 157.6

176 77.0 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

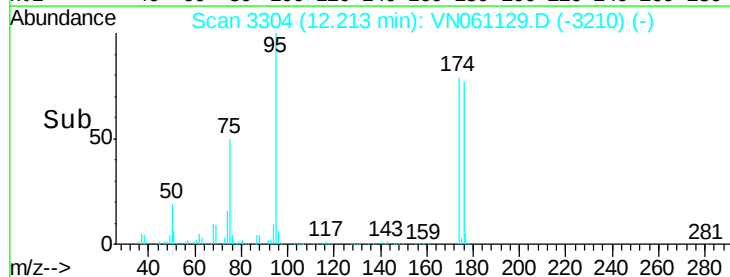
150000

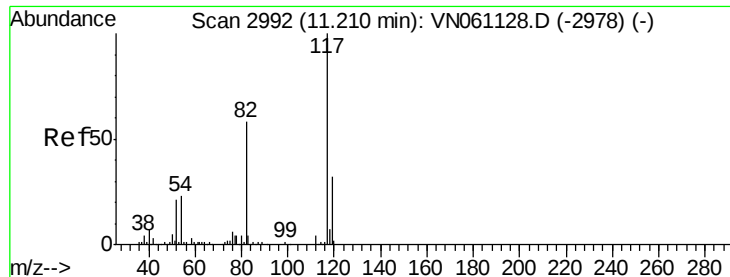
100000

50000

0

Time-->

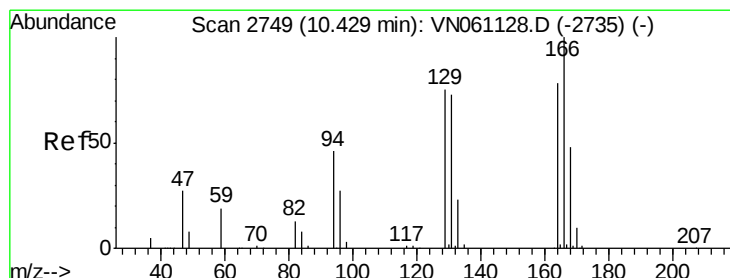
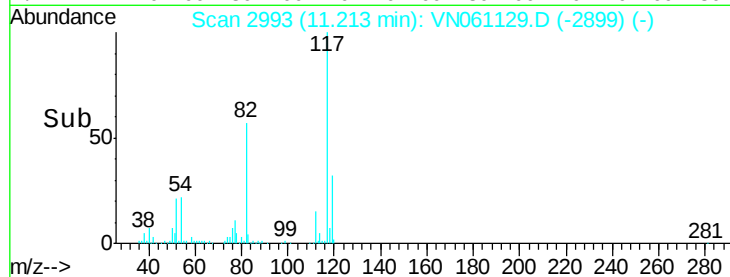
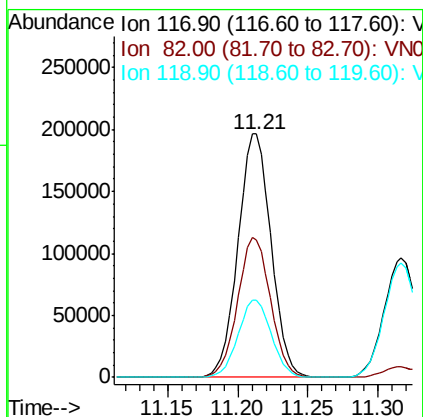
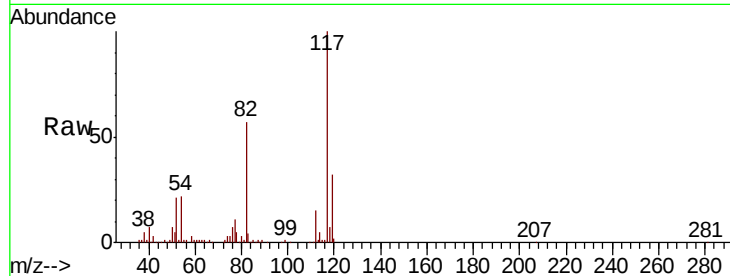




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

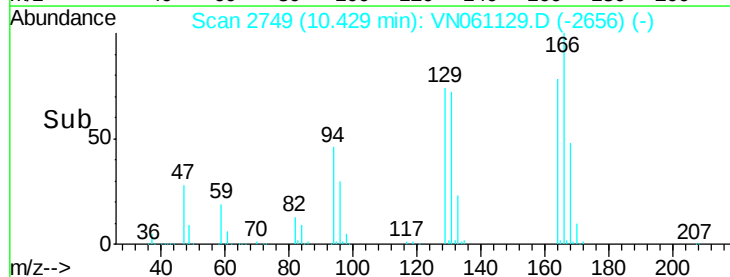
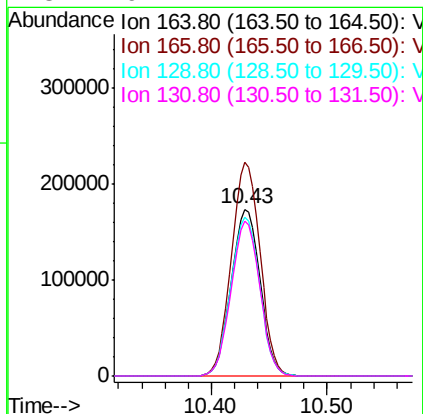
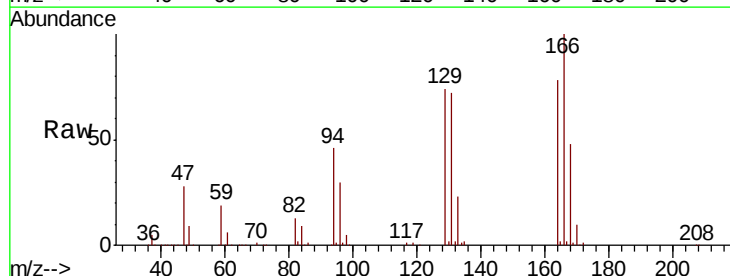
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

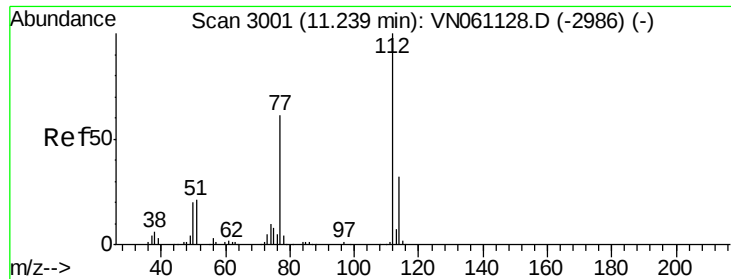
Tot Ion:117 Resp: 323023
Ion Ratio Lower Upper
117 100
82 56.7 46.0 69.0
119 31.9 25.9 38.9



#64
Tetrachloroethene
Concen: 114.374 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion:164 Resp: 298381
Ion Ratio Lower Upper
164 100
166 128.3 101.9 152.9
129 95.3 76.5 114.7
131 92.7 74.2 111.4

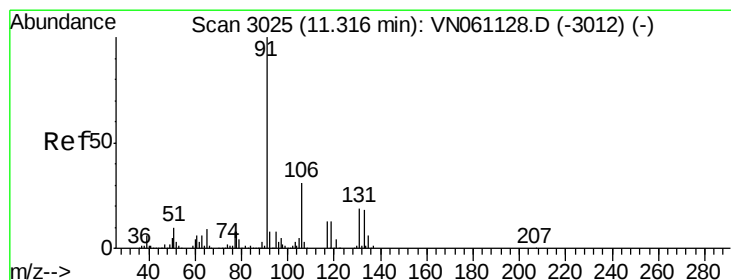
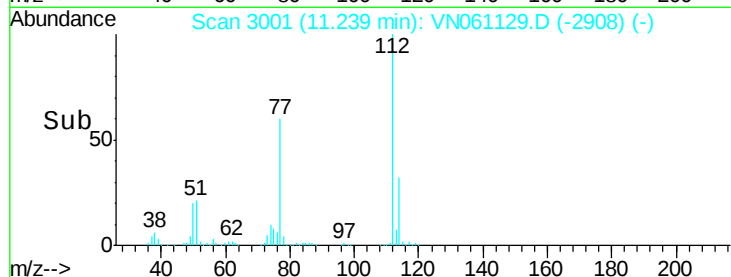
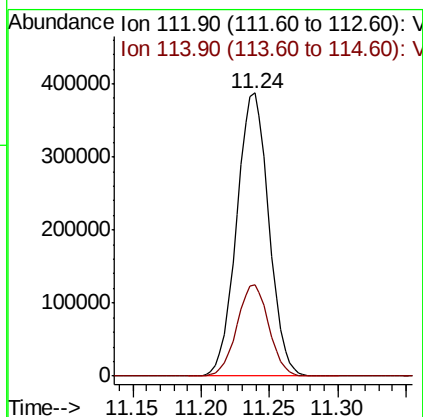
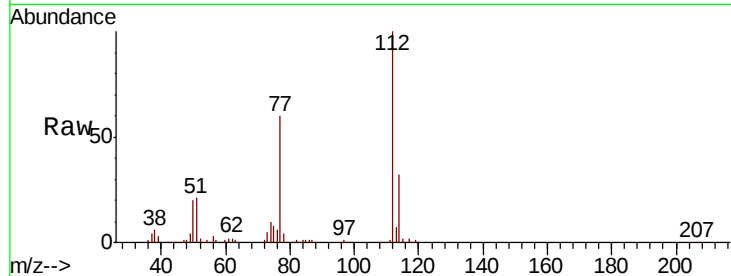




#65
Chlorobenzene
Concen: 95.043 ug/l
RT: 11.24 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

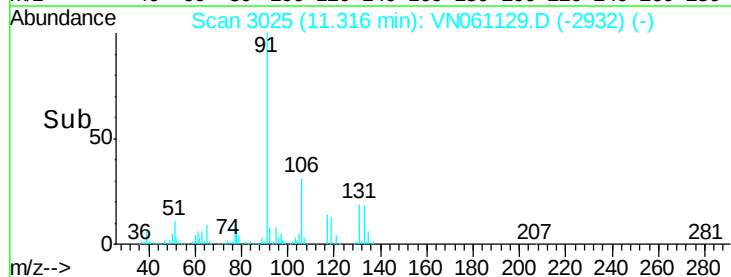
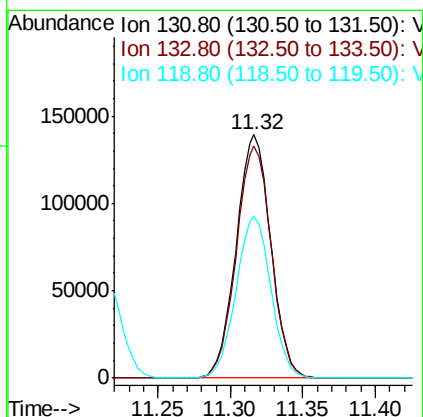
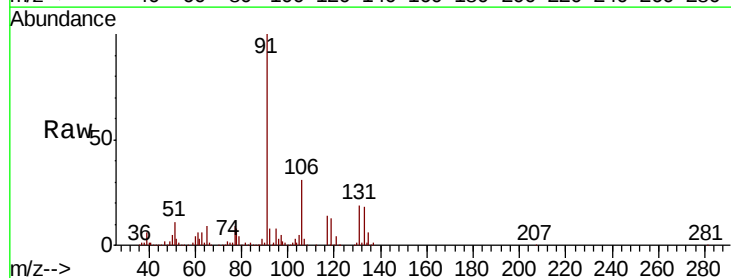
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

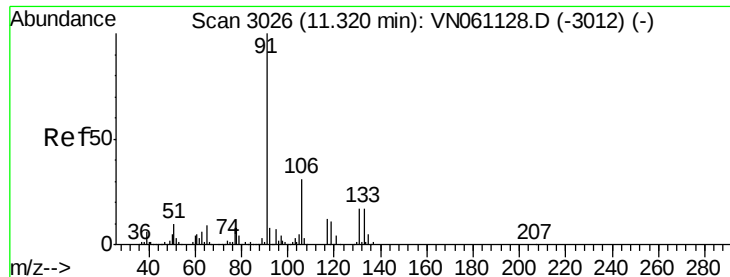
Tot Ion:112 Resp: 634395
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 96.522 ug/l
RT: 11.32 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion:131 Resp: 230878
Ion Ratio Lower Upper
131 100
133 96.2 48.2 144.6
119 66.6 33.1 99.5





#67

Ethyl Benzene

Concen: 93.925 ug/l

RT: 11.32 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampled :

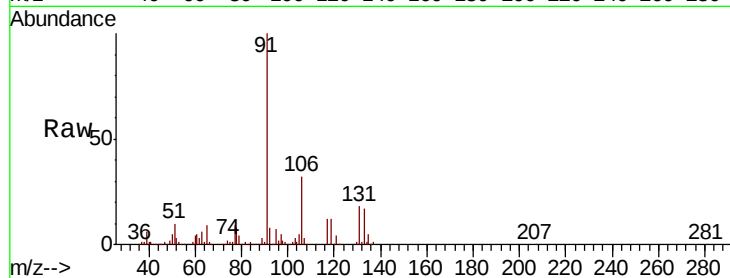
VSTDIC100

Tot Ion: 91 Resp: 1176734

Ion Ratio Lower Upper

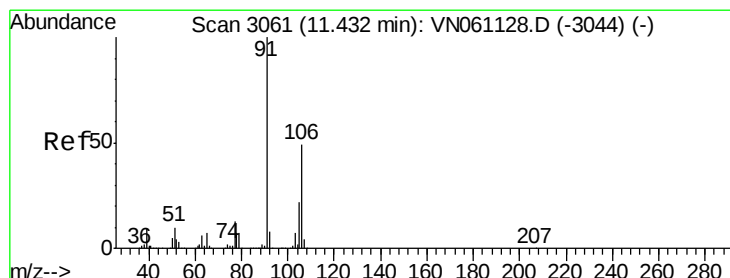
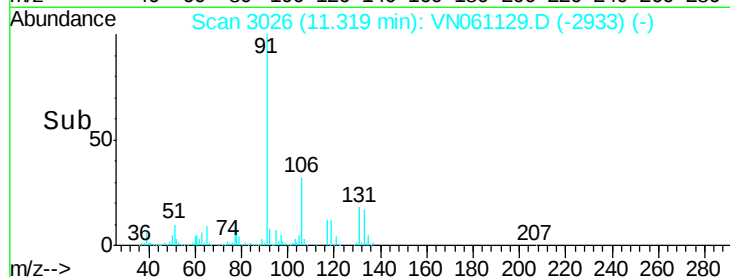
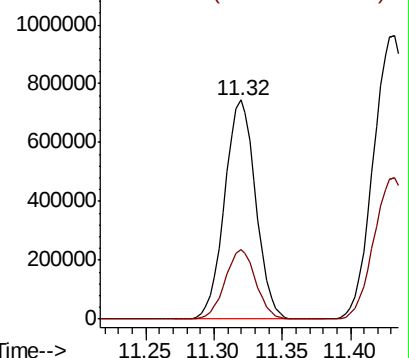
91 100

106 31.5 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 195.681 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN061129.D

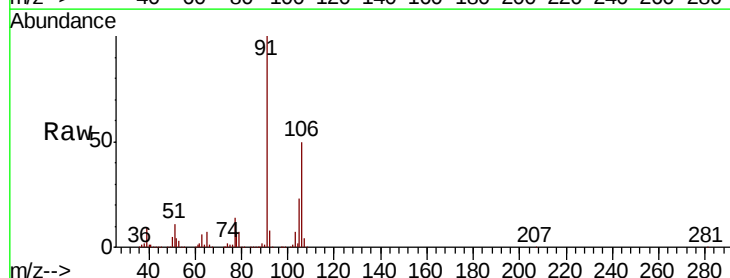
Acq: 22 Apr 2020 14:44

Tgt Ion:106 Resp: 891473

Ion Ratio Lower Upper

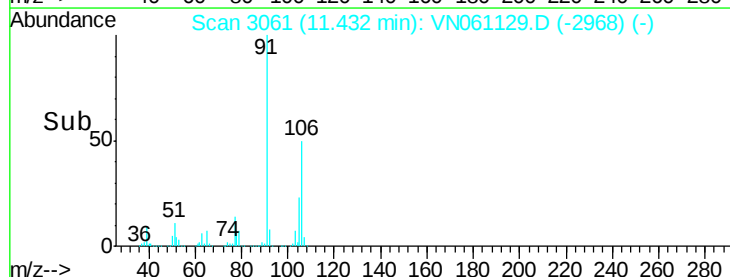
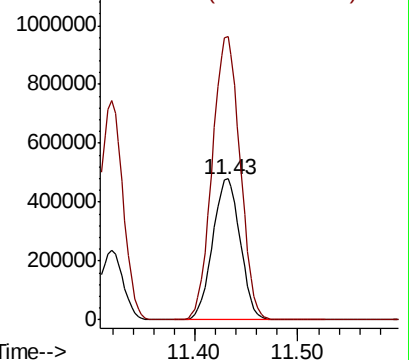
106 100

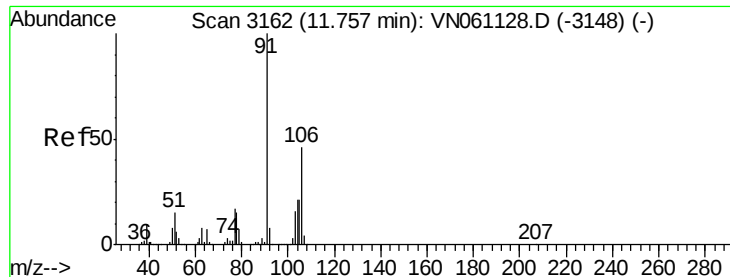
91 203.2 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

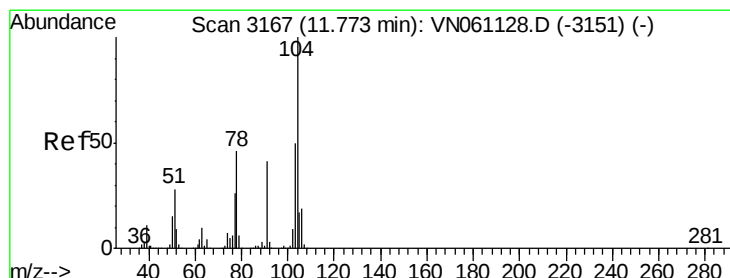
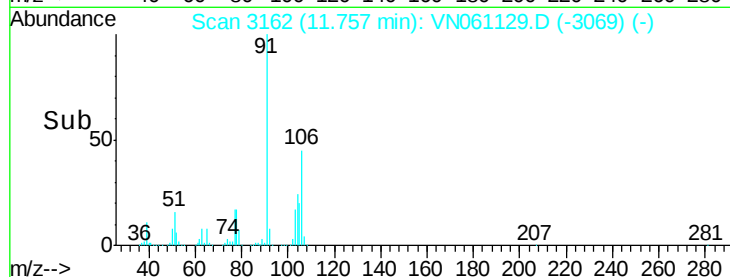
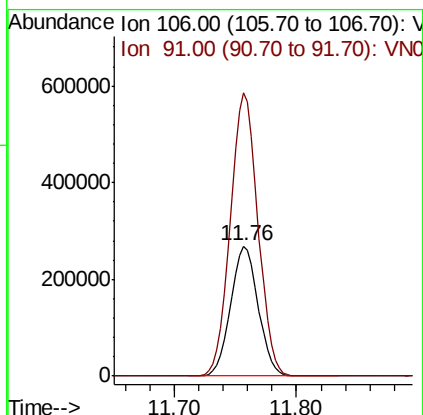
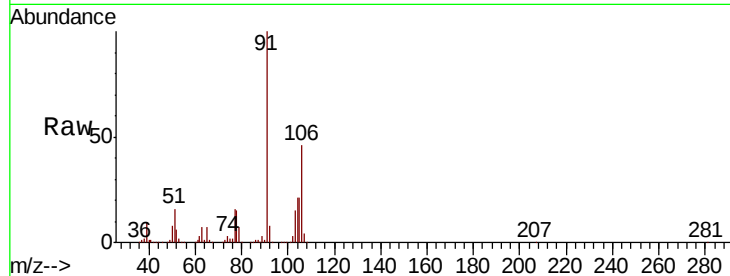




#69
o-Xylene
Concen: 96.749 ug/l
RT: 11.76 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

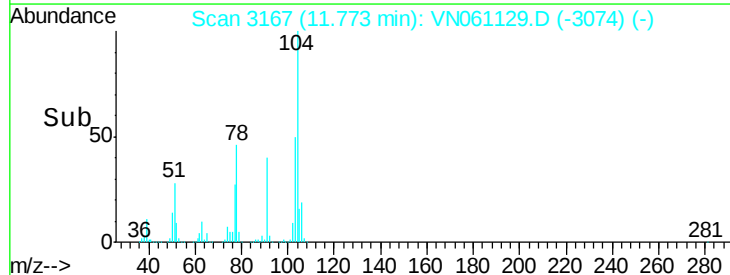
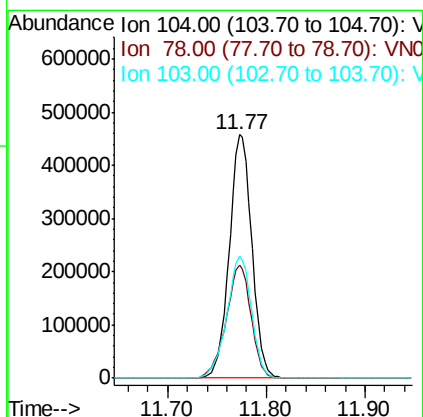
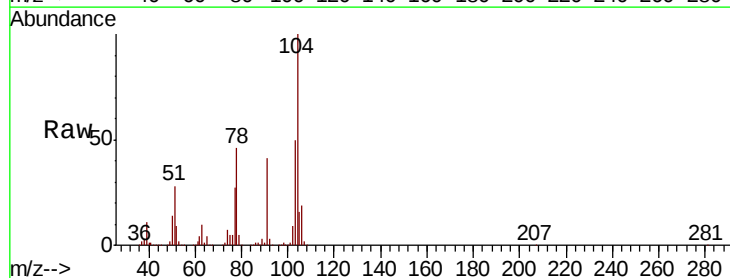
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

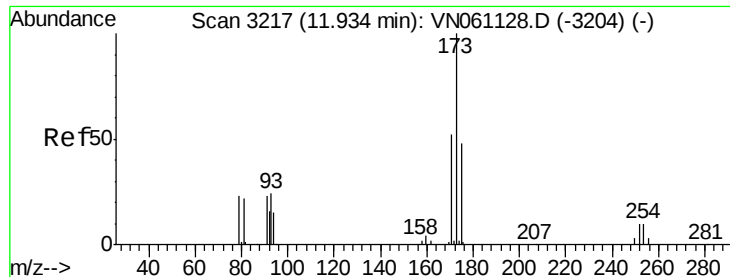
Tot Ion:106 Resp: 423825
Ion Ratio Lower Upper
106 100
91 217.8 107.6 322.8



#70
Styrene
Concen: 103.750 ug/l
RT: 11.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion:104 Resp: 731483
Ion Ratio Lower Upper
104 100
78 51.3 40.6 61.0
103 54.8 43.7 65.5

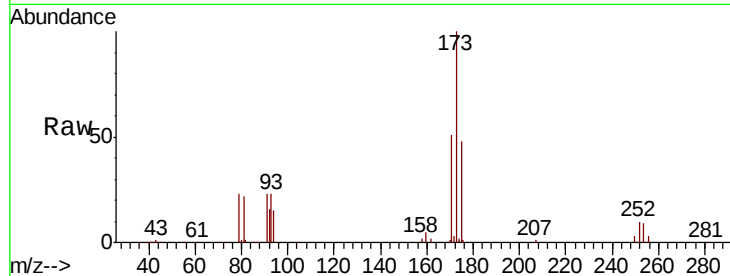




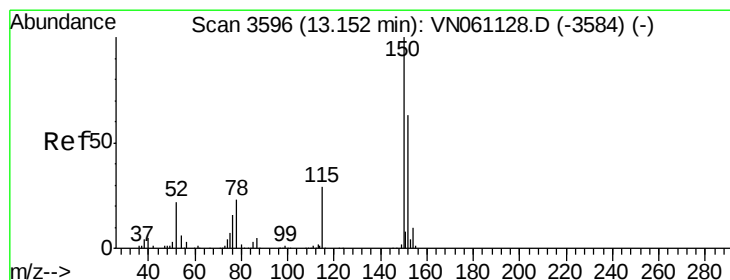
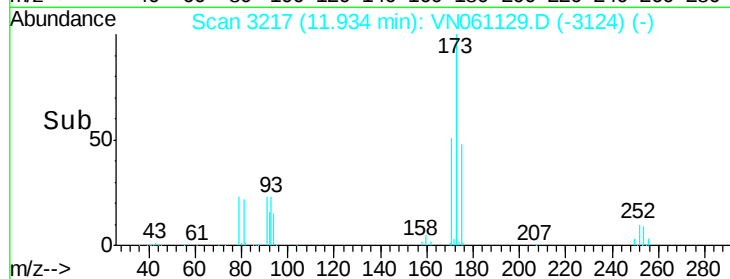
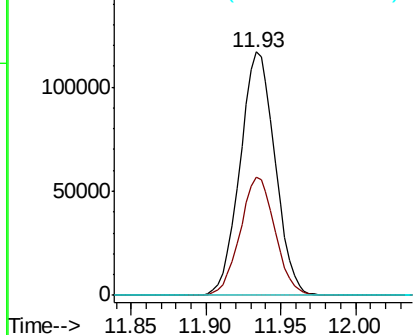
#71
Bromoform
Concen: 106.676 ug/l
RT: 11.93 min Scan# 3217
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion:173 Resp: 190319
Ion Ratio Lower Upper
173 100
175 48.2 23.9 71.8
254 0.0 0.0 0.0#

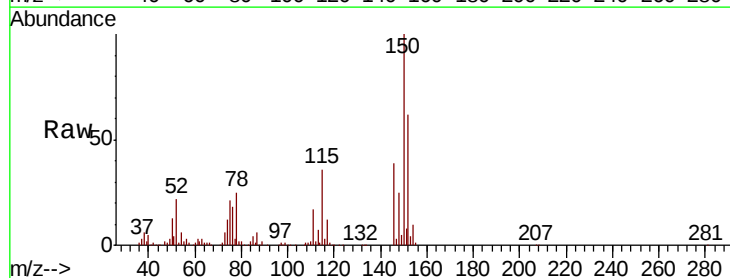


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

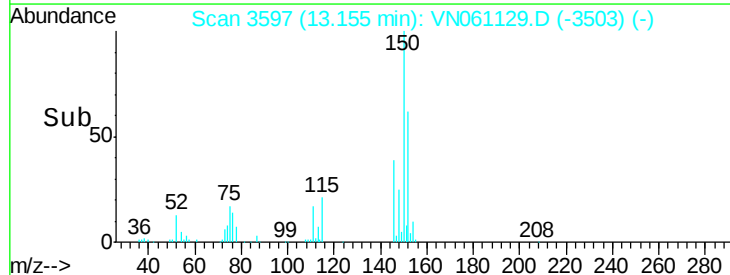
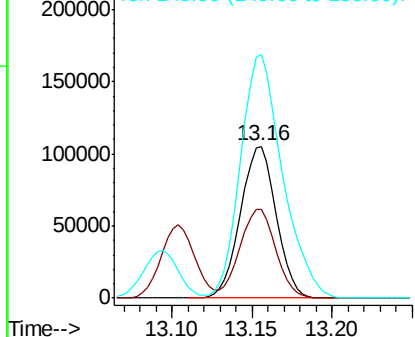


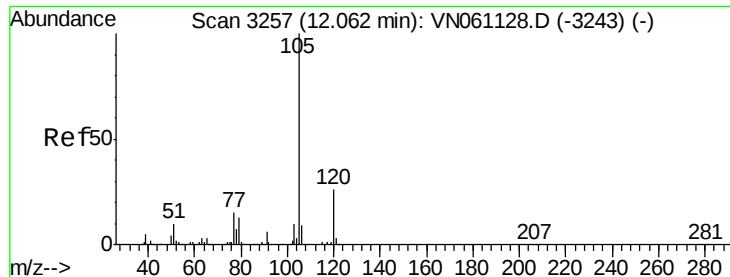
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.16 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion:152 Resp: 160584
Ion Ratio Lower Upper
152 100
115 59.1 29.8 89.5
150 189.1 0.0 348.6



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: 89.539 ug/l

RT: 12.06 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

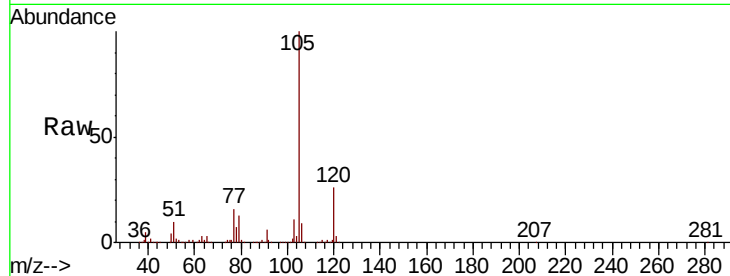
VSTDIC100

Tot Ion:105 Resp: 1147503

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.06

800000

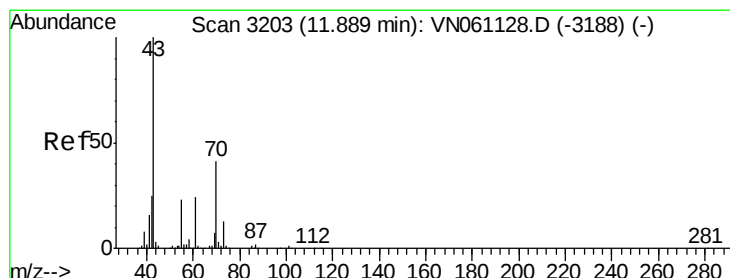
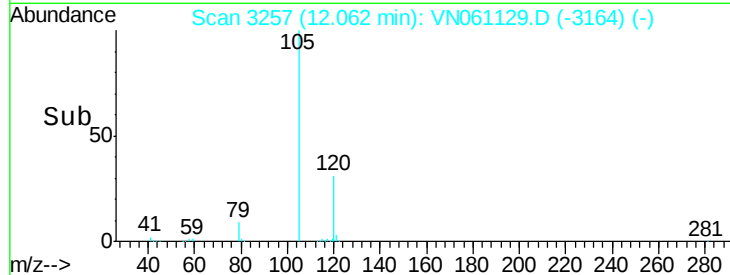
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 91.011 ug/l

RT: 11.89 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Tgt Ion: 43 Resp: 538601

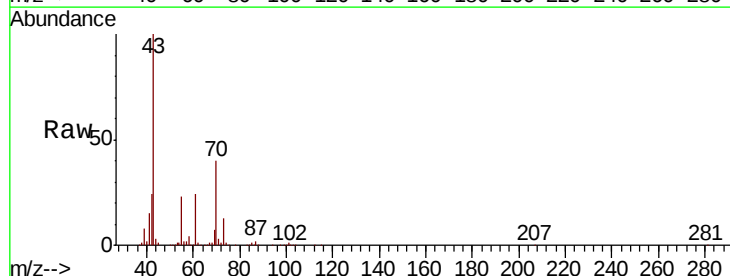
Ion Ratio Lower Upper

43 100

70 40.7 32.5 48.7

55 23.6 19.0 28.6

61 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

11.89

500000

400000

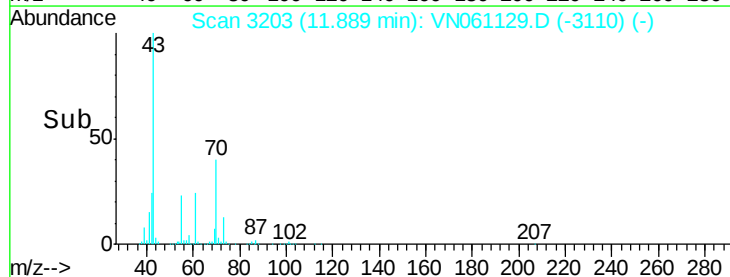
300000

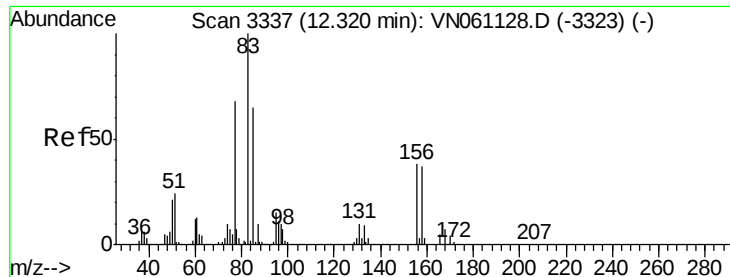
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 81.147 ug/l

RT: 12.32 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

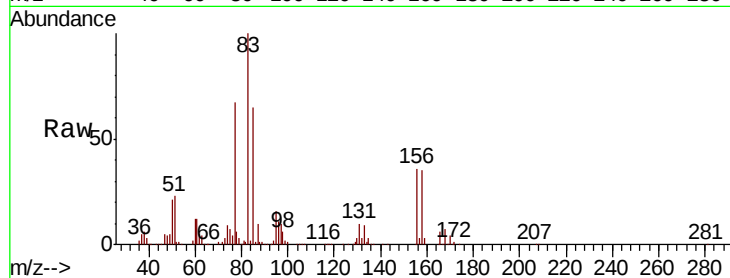
Tot Ion: 83 Resp: 310812

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

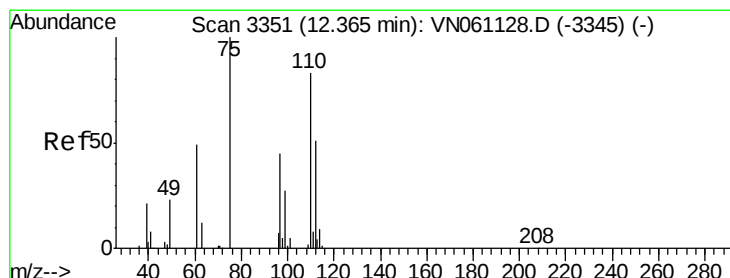
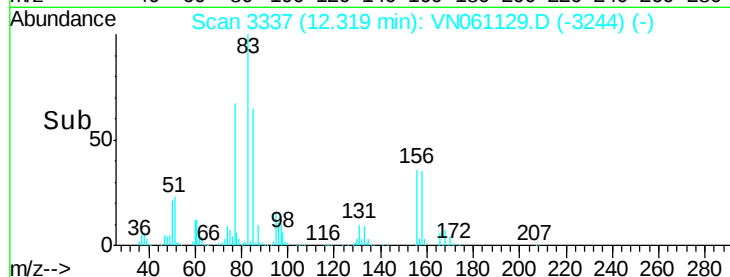
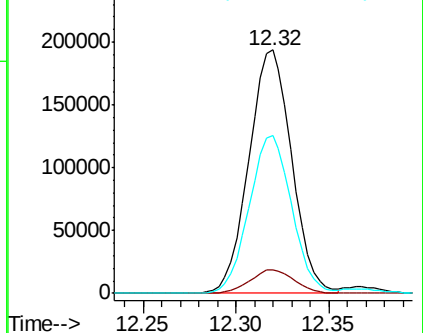
85 64.4 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN061129.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN061129.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN061129.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 135.105 ug/l

RT: 12.36 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN061129.D

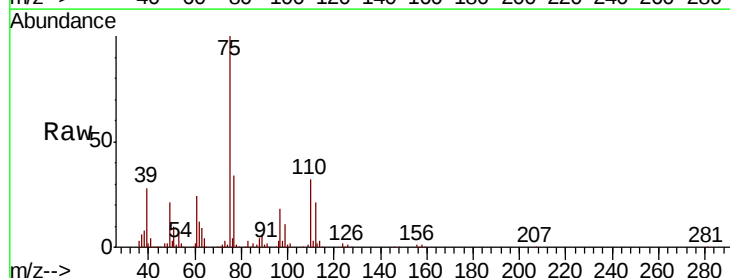
Acq: 22 Apr 2020 14:44

Tgt Ion: 75 Resp: 484934

Ion Ratio Lower Upper

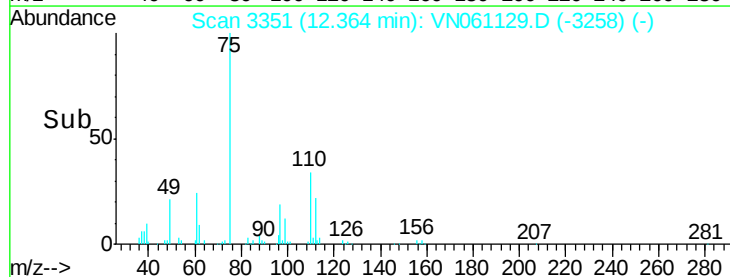
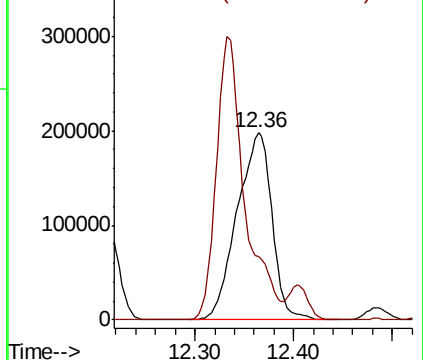
75 100

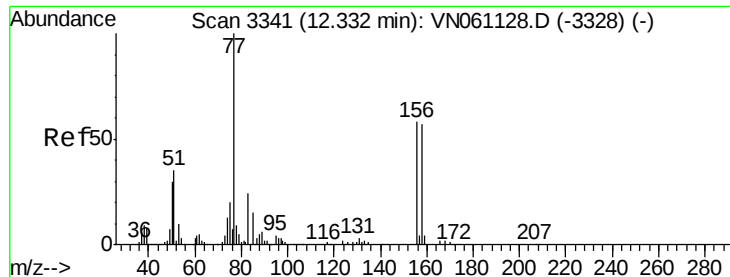
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061129.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN061129.D (-3345) (-)





#77

Bromobenzene

Concen: 92.863 ug/l

RT: 12.33 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

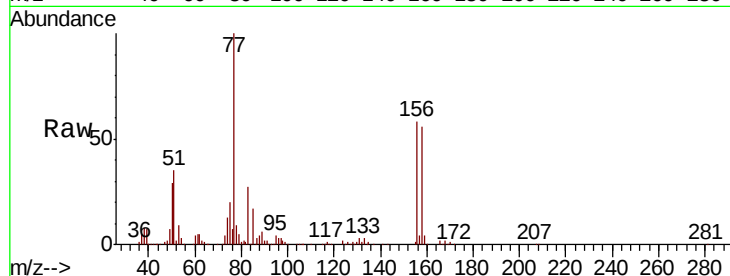
Tot Ion:156 Resp: 280112

Ion Ratio Lower Upper

156 100

77 214.4 105.7 317.1

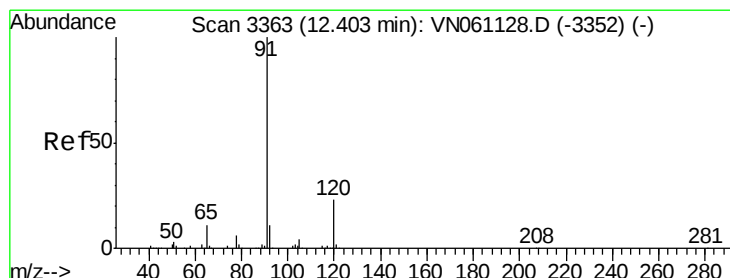
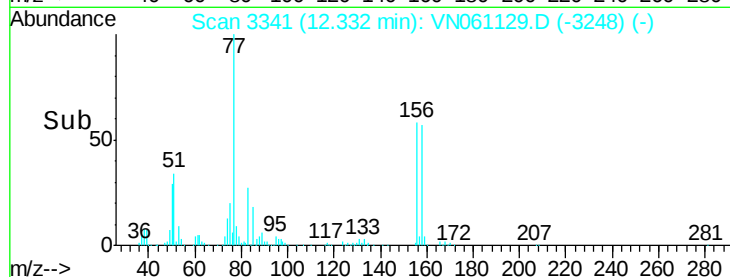
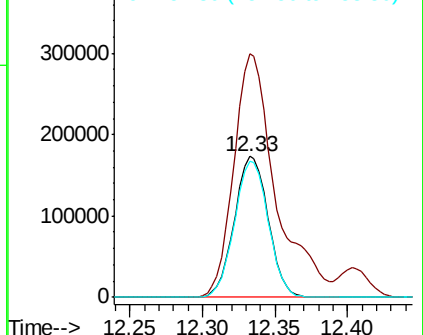
158 96.7 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 90.638 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN061129.D

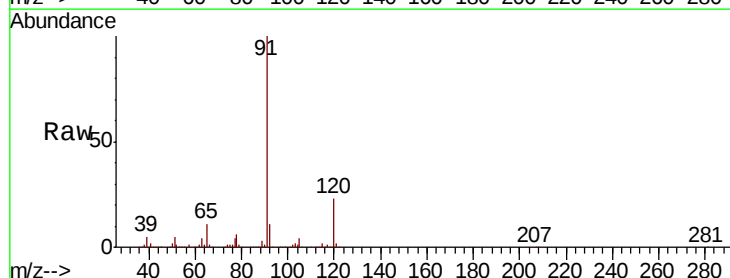
Acq: 22 Apr 2020 14:44

Tgt Ion: 91 Resp: 1354641

Ion Ratio Lower Upper

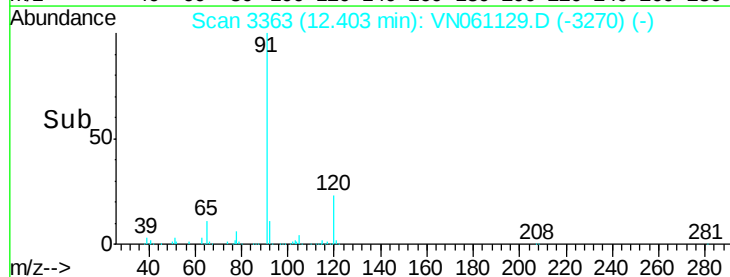
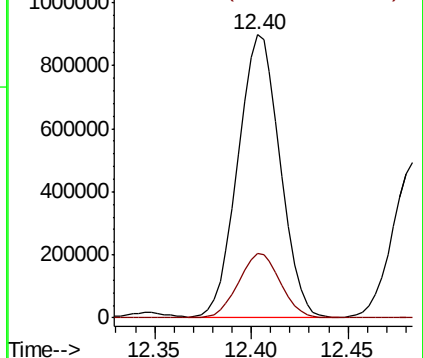
91 100

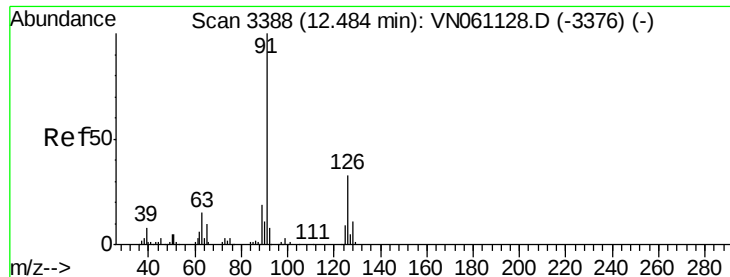
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 89.082 ug/l

RT: 12.48 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

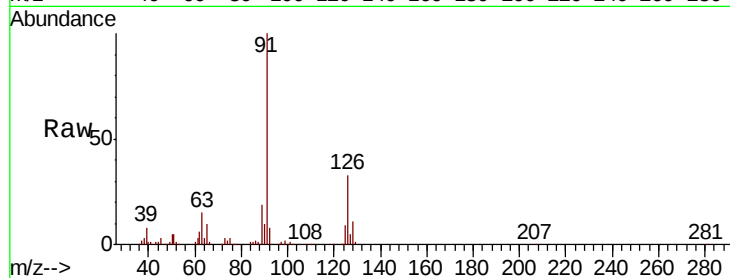
VSTDIC100

Tot Ion: 91 Resp: 780669

Ion Ratio Lower Upper

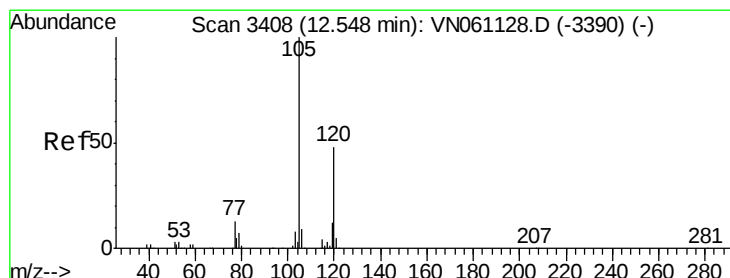
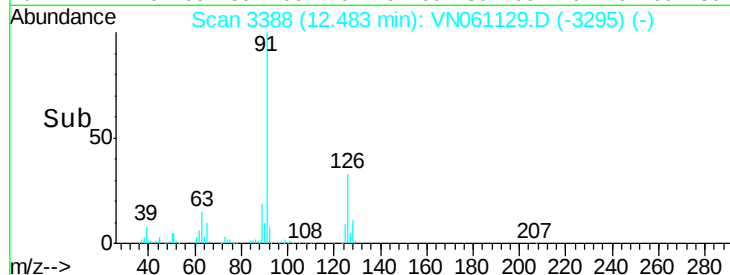
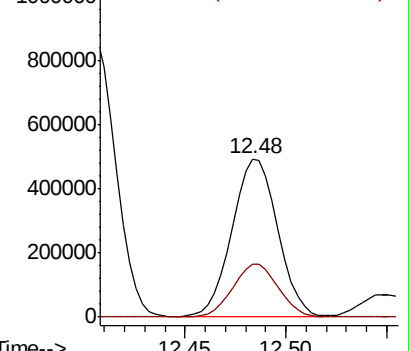
91 100

126 33.4 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN061129.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN061129.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 92.113 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN061129.D

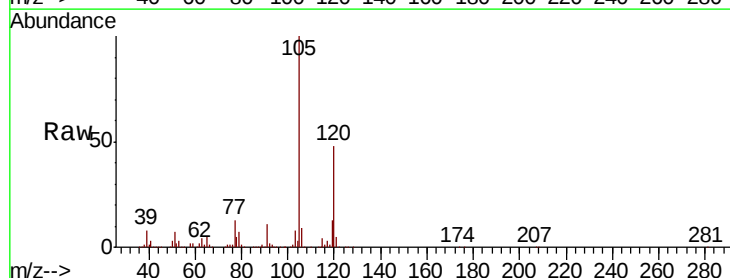
Acq: 22 Apr 2020 14:44

Tgt Ion: 105 Resp: 975147

Ion Ratio Lower Upper

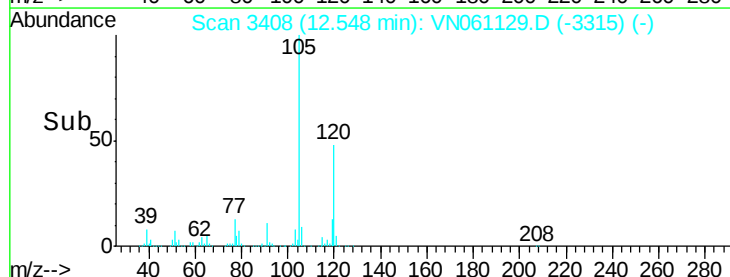
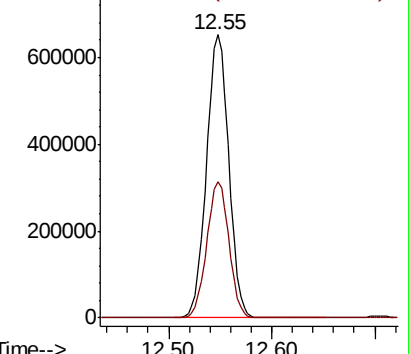
105 100

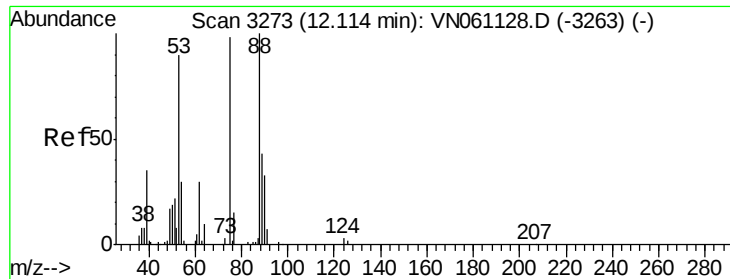
120 48.2 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN061129.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN061129.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 98.535 ug/l

RT: 12.11 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

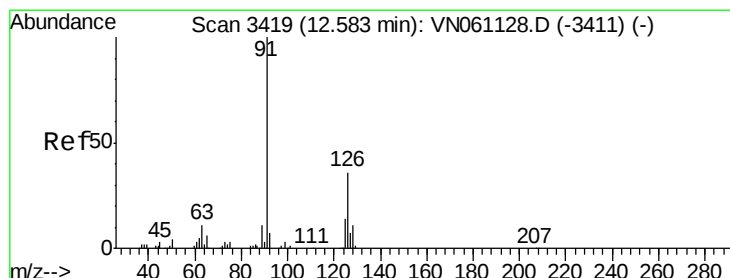
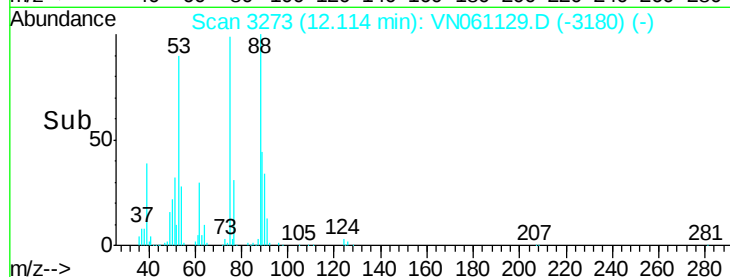
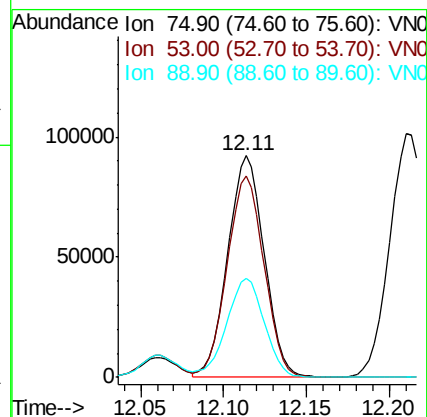
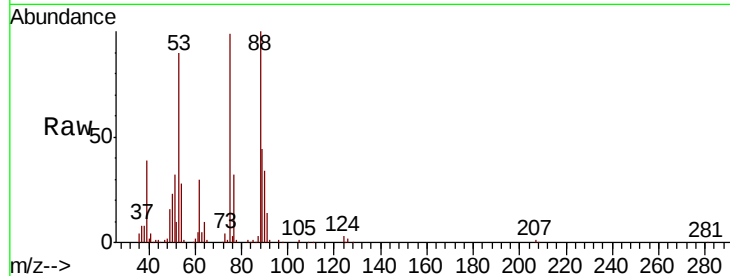
Tot Ion: 75 Resp: 141573

Ion Ratio Lower Upper

75 100

53 91.9 74.3 111.5

89 46.0 36.6 55.0



#82

4-Chlorotoluene

Concen: 91.545 ug/l

RT: 12.58 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN061129.D

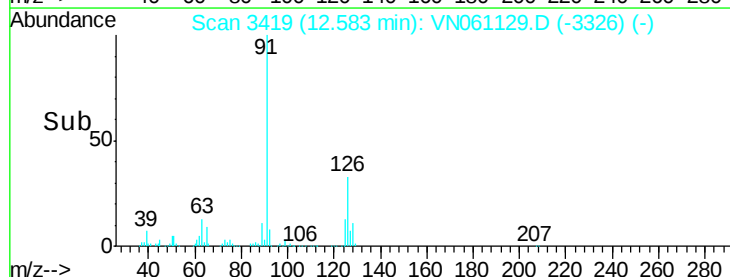
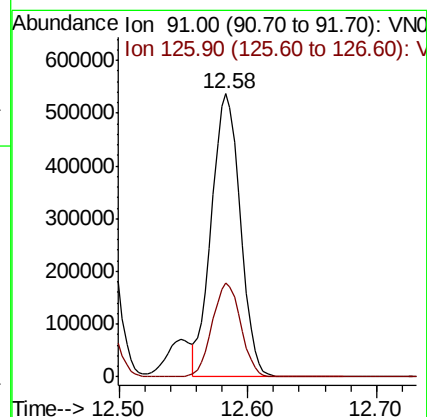
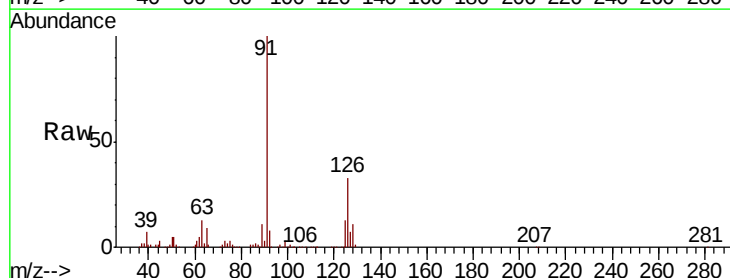
Acq: 22 Apr 2020 14:44

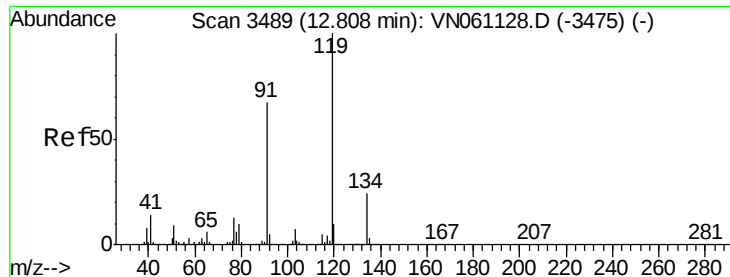
Tgt Ion: 91 Resp: 832554

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2





#83

tert-Butylbenzene

Concen: 92.468 ug/l

RT: 12.81 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

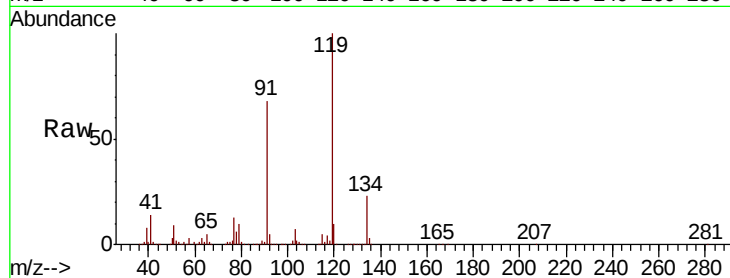
Tot Ion:119 Resp: 826086

Ion Ratio Lower Upper

119 100

91 66.4 32.8 98.4

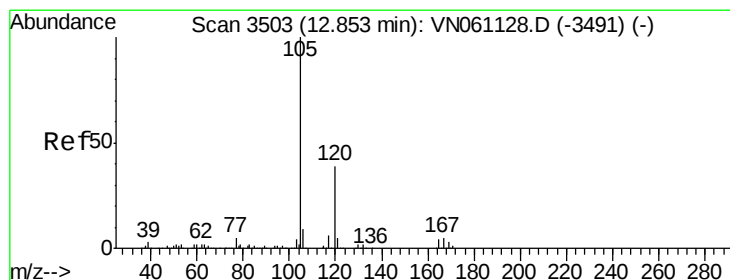
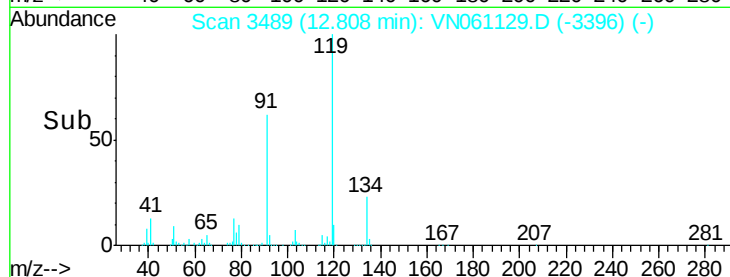
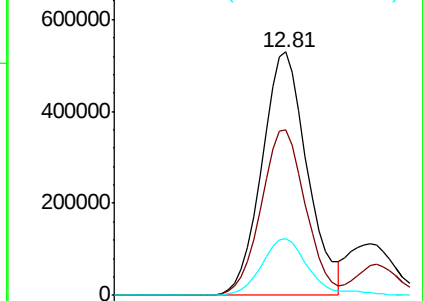
134 24.3 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 92.841 ug/l

RT: 12.85 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN061129.D

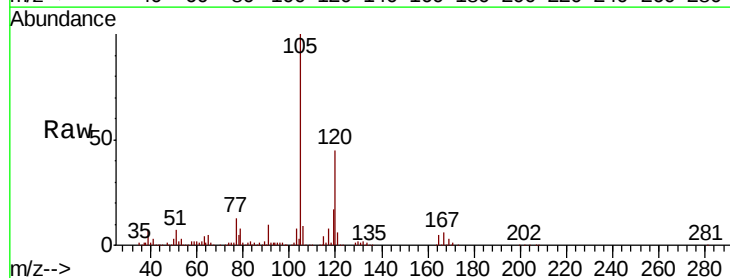
Acq: 22 Apr 2020 14:44

Tgt Ion:105 Resp: 972217

Ion Ratio Lower Upper

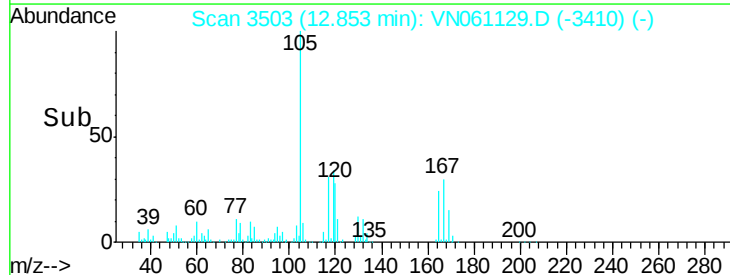
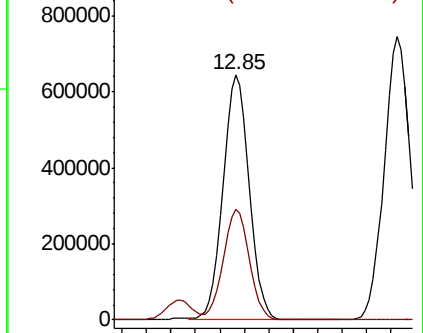
105 100

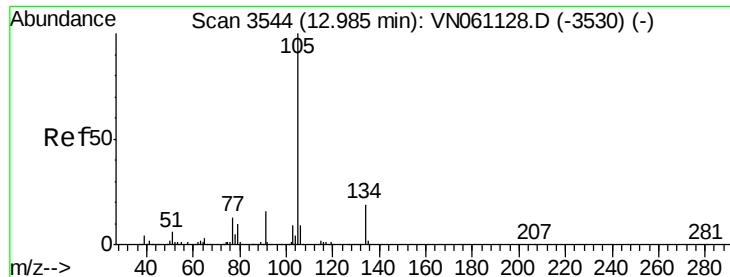
120 45.1 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 92.943 ug/l

RT: 12.98 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

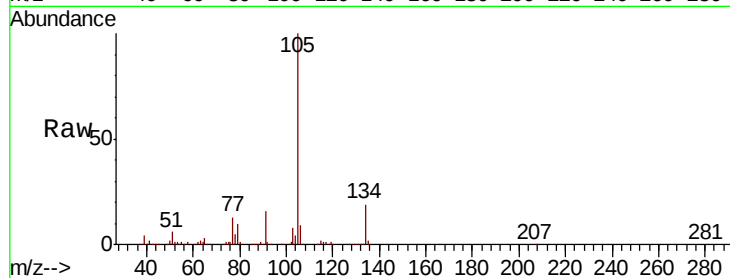
VSTDIC100

Tot Ion:105 Resp: 1121007

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.98

800000

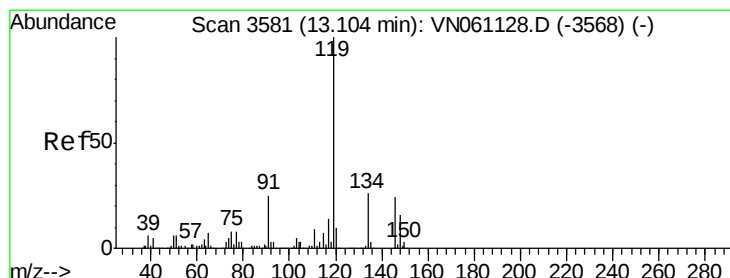
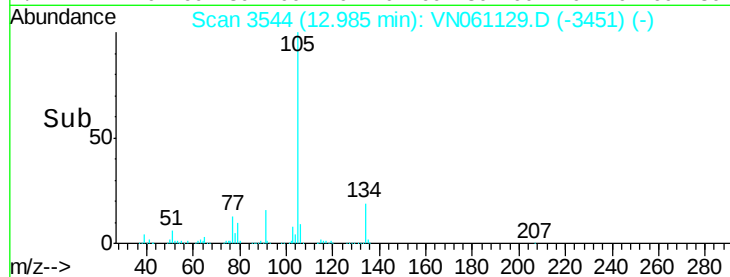
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 94.247 ug/l

RT: 13.10 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

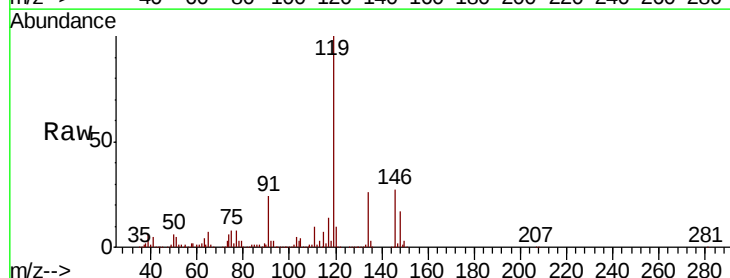
Tgt Ion:119 Resp: 1014998

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

91 24.1 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.10

800000

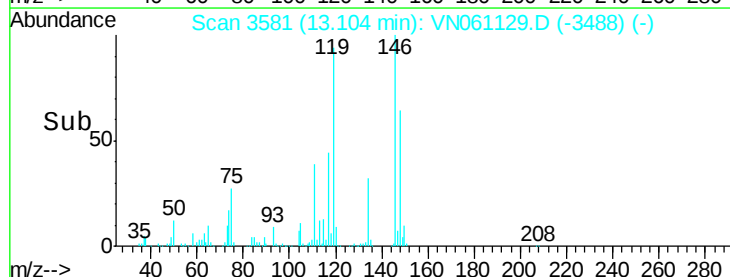
600000

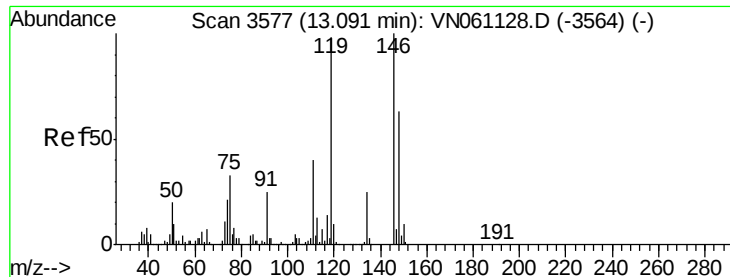
400000

200000

0

Time-->

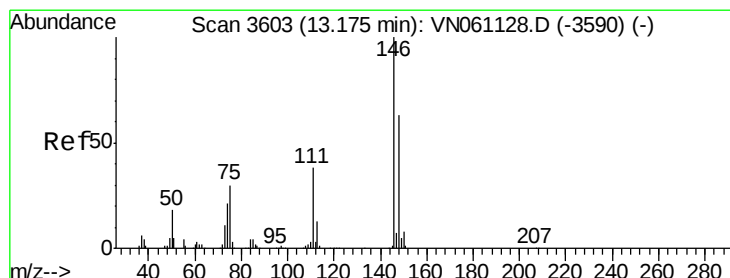
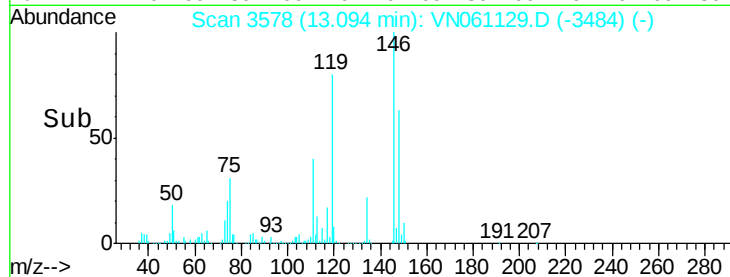
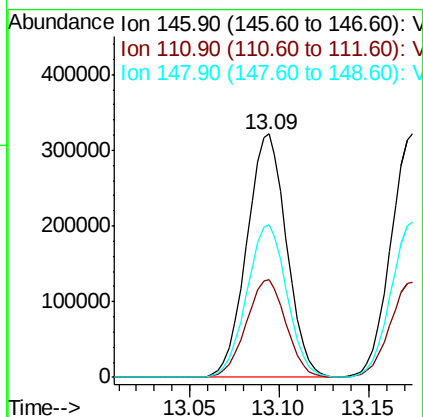
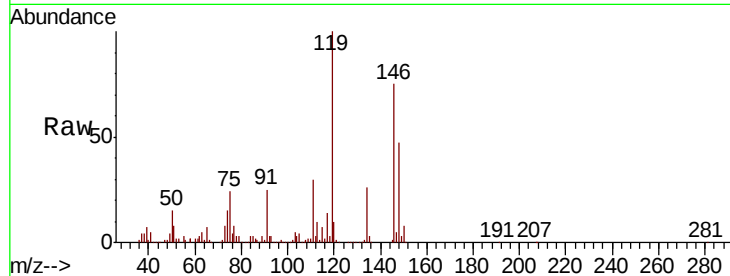




#87
 1,3-Dichlorobenzene
 Concen: 93.759 ug/l
 RT: 13.09 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

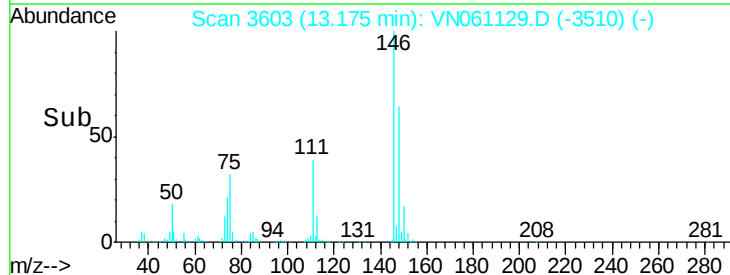
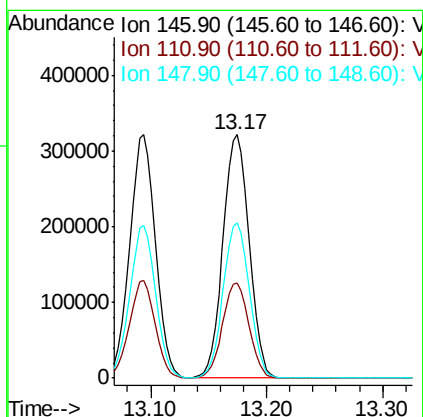
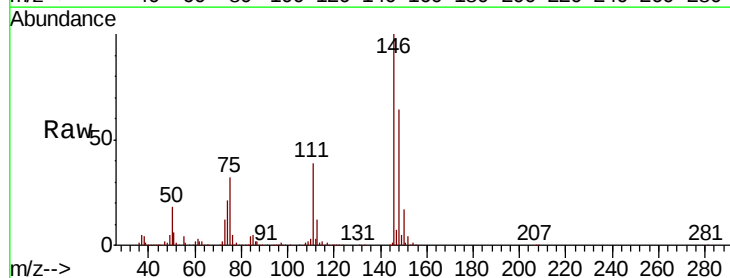
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

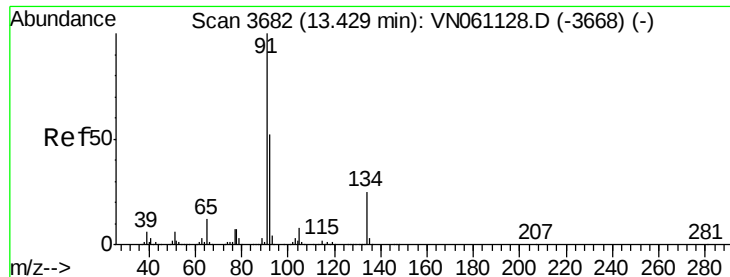
Tot Ion:146 Resp: 501668
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.3 60.9
 148 63.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 92.958 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion:146 Resp: 501519
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.1
 148 64.0 31.8 95.3

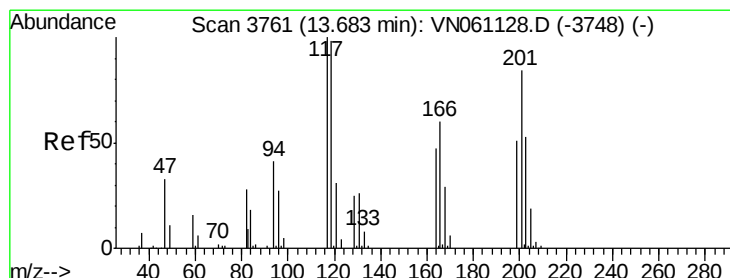
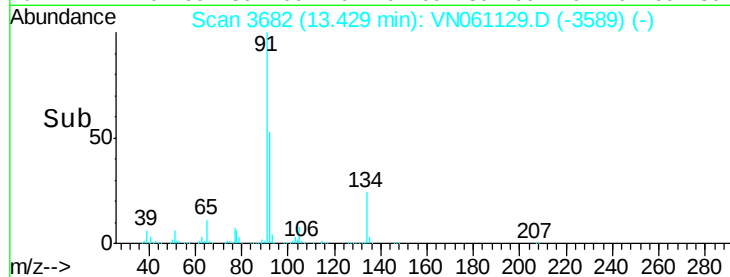
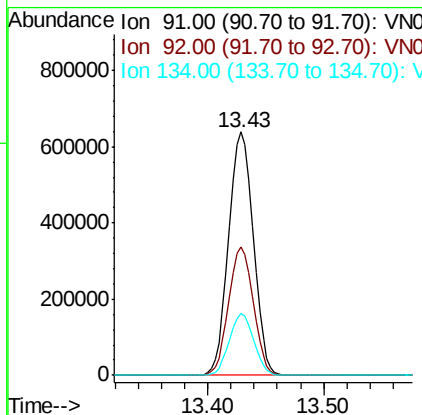
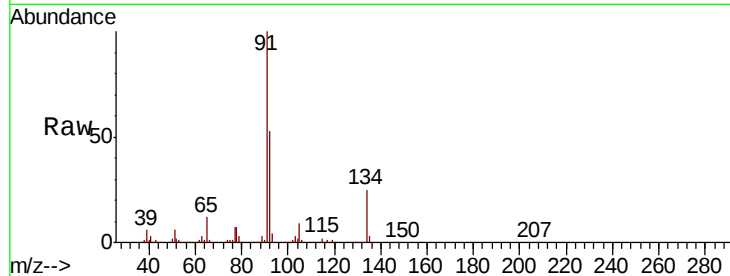




#89
n-Butylbenzene
Concen: 94.018 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

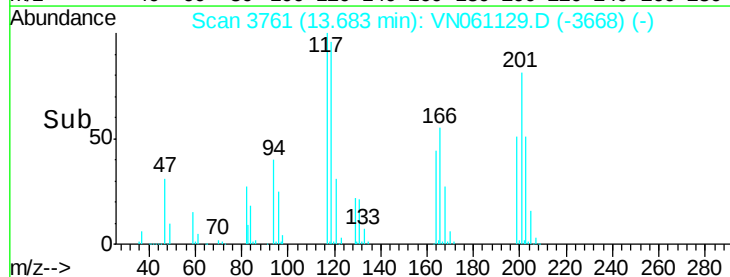
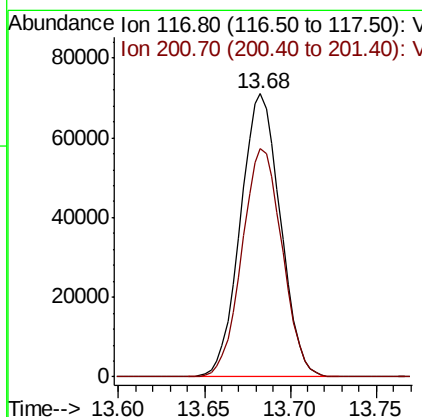
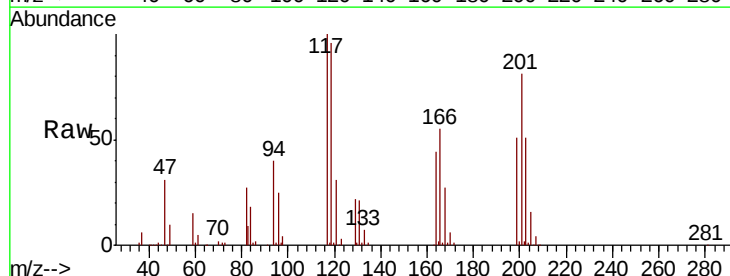
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

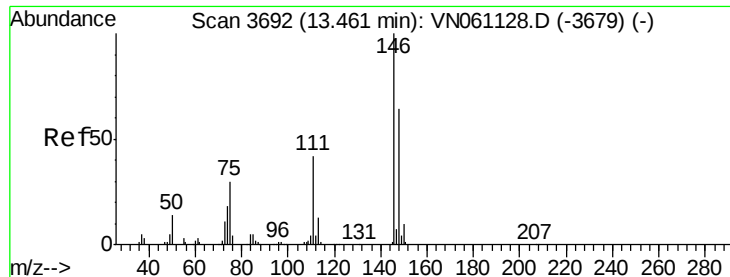
Tot Ion: 91 Resp: 937847
Ion Ratio Lower Upper
91 100
92 52.7 26.1 78.2
134 25.2 12.6 37.6



#90
Hexachloroethane
Concen: 74.261 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. -0.00 min
Lab File: VN061129.D
Acq: 22 Apr 2020 14:44

Tgt Ion: 117 Resp: 114693
Ion Ratio Lower Upper
117 100
201 81.2 41.4 124.4

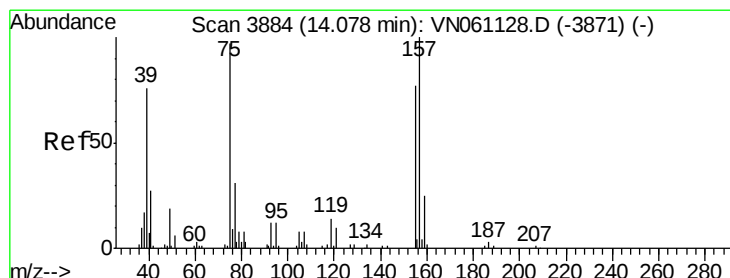
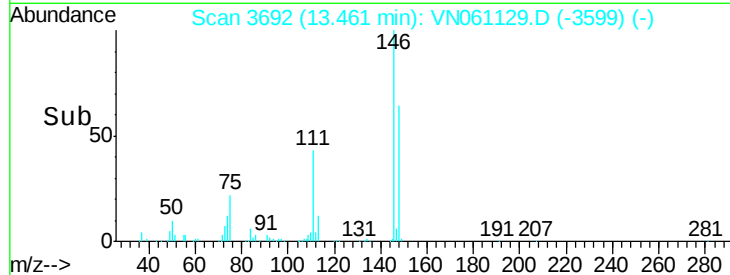
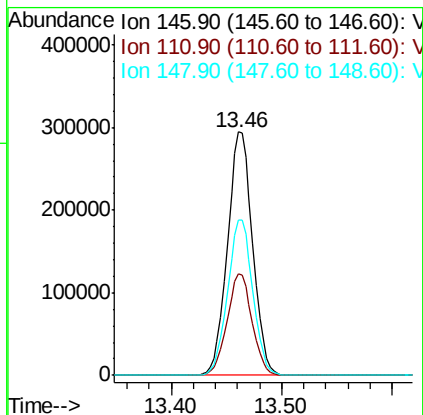
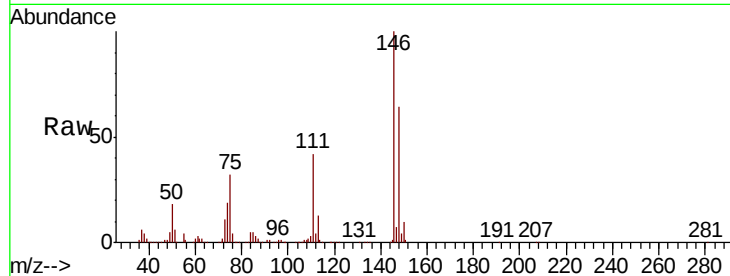




#91
 1,2-Dichlorobenzene
 Concen: 91.144 ug/l
 RT: 13.46 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

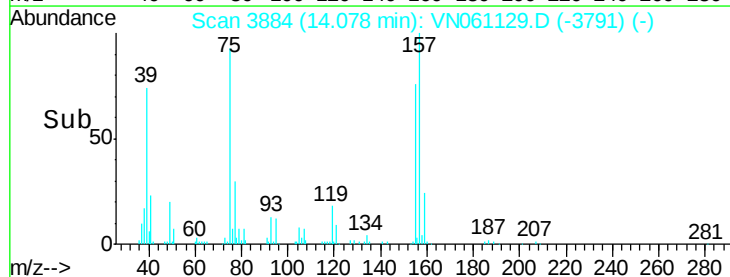
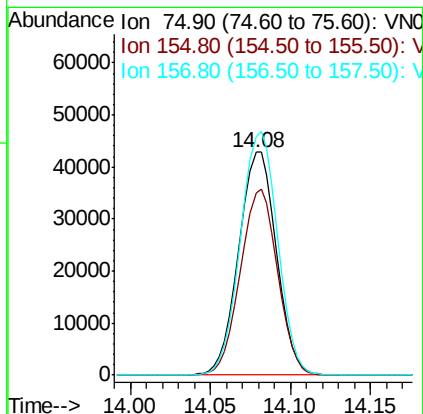
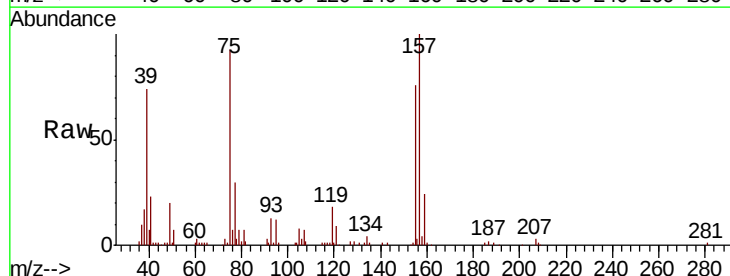
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

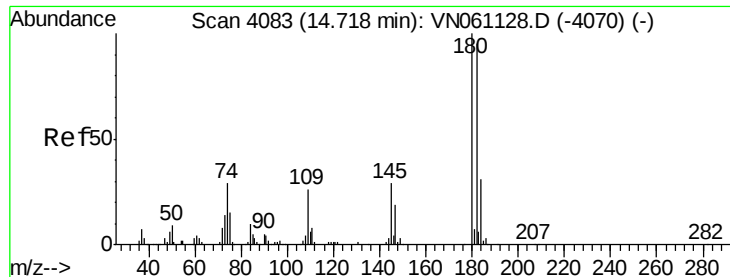
Tot Ion:146 Resp: 464510
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.2
 148 64.0 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 91.918 ug/l
 RT: 14.08 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion: 75 Resp: 68867
 Ion Ratio Lower Upper
 75 100
 155 82.0 40.3 120.9
 157 107.6 51.6 154.8

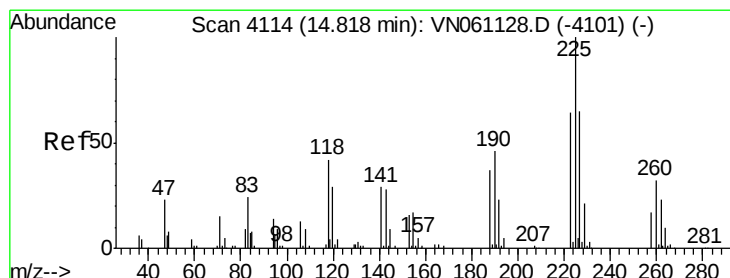
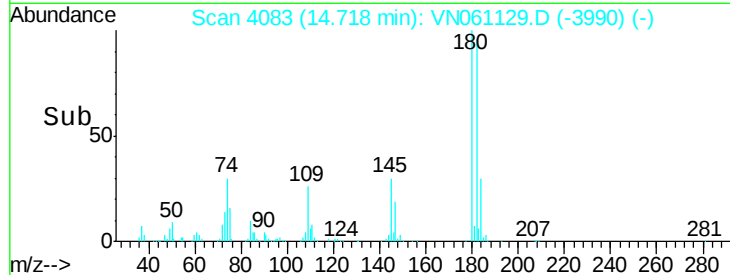
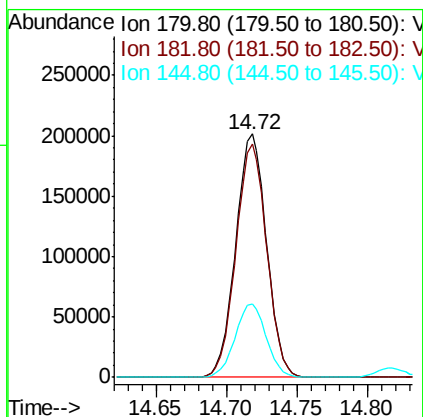
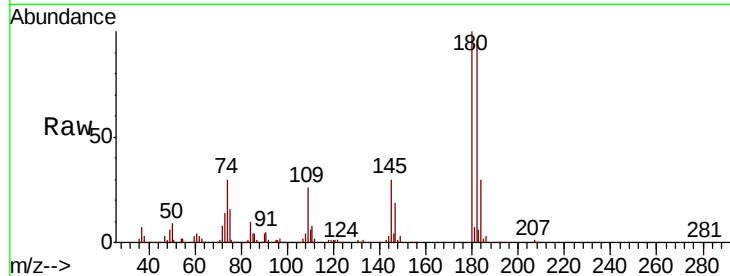




#93
 1,2,4-Trichlorobenzene
 Concen: 101.443 ug/l
 RT: 14.72 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

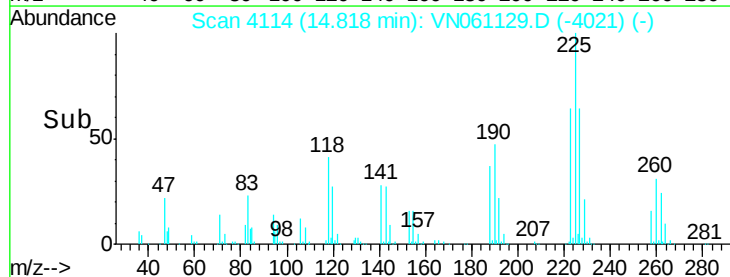
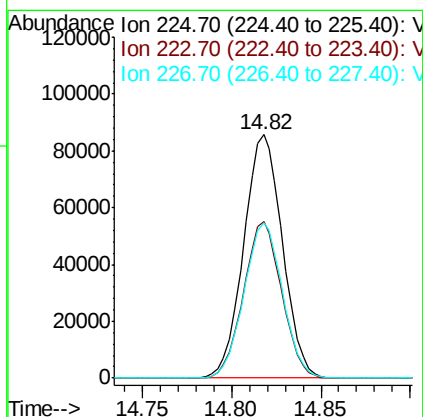
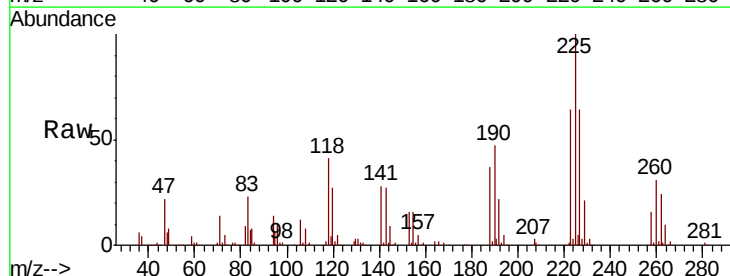
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

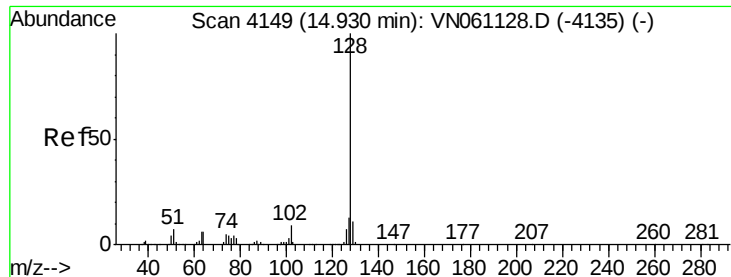
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	30.5	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 84.954 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN061129.D
 Acq: 22 Apr 2020 14:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	95.0
227	63.4	32.0	96.2





#95

Naphthalene

Concen: 107.675 ug/l

RT: 14.93 min Scan# 4149

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

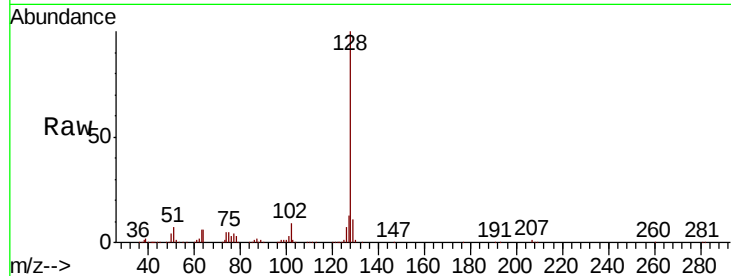
Tot Ion:128 Resp: 968759

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

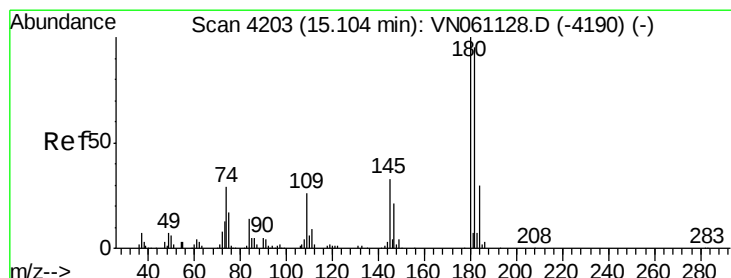
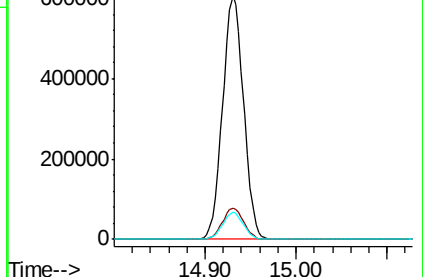
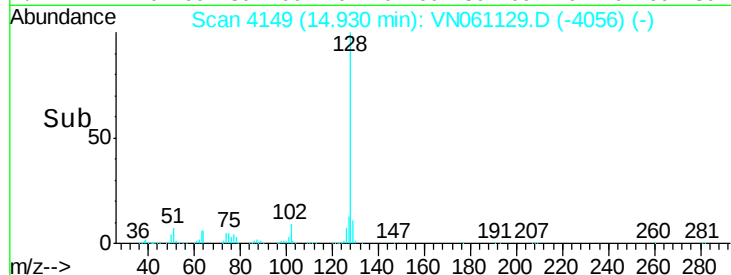
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 101.745 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. -0.00 min

Lab File: VN061129.D

Acq: 22 Apr 2020 14:44

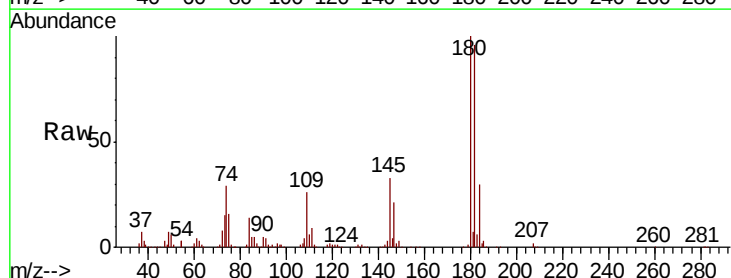
Tgt Ion:180 Resp: 298523

Ion Ratio Lower Upper

180 100

182 95.9 47.7 143.1

145 32.7 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

