

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061155.D
 Acq On : 27 Apr 2020 17:58
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Apr 28 01:36:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	123564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	216401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	208474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101536	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	310393	183.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	366.30%	
35) Dibromofluoromethane	7.55	113	203767	164.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	328.70%	
50) Toluene-d8	10.06	98	860523	163.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.56%	
62) 4-Bromofluorobenzene	12.37	95	332733	168.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	337.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	214402	182.401	ug/l	99
3) Chloromethane	2.03	50	265468	185.239	ug/l	99
4) Vinyl Chloride	2.16	62	281408	163.331	ug/l	99
5) Bromomethane	2.51	94	128817	153.740	ug/l	98
6) Chloroethane	2.66	64	170870	181.707	ug/l	97
7) Trichlorofluoromethane	2.98	101	297121	160.158	ug/l	97
8) Diethyl Ether	3.37	74	140745	165.847	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	197362	161.385	ug/l	99
10) Methyl Iodide	3.91	142	271126	156.474	ug/l	99
11) Tert butyl alcohol	4.73	59	210866	968.055	ug/l	99
12) 1,1-Dichloroethene	3.69	96	199317	159.617	ug/l	98
13) Acrolein	3.56	56	138373	853.254	ug/l	97
14) Allyl chloride	4.27	41	313196	154.864	ug/l	92
15) Acrylonitrile	4.93	53	660329	974.946	ug/l	99
16) Acetone	3.77	43	560392	687.896	ug/l	100
17) Carbon Disulfide	4.01	76	581389	157.815	ug/l	100
18) Methyl Acetate	4.27	43	375999	170.461	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	778459	174.674	ug/l	100
20) Methylene Chloride	4.50	84	234254	161.550	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	226994	152.562	ug/l	99
22) Diisopropyl ether	5.90	45	915716	195.121	ug/l	98
23) Vinyl Acetate	5.84	43	3780452	1004.081	ug/l	99
24) 1,1-Dichloroethane	5.80	63	456526	178.252	ug/l	99
25) 2-Butanone	6.78	43	946972	1014.466	ug/l	99
26) 2,2-Dichloropropane	6.77	77	358015	158.458	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	263691	159.279	ug/l	99
28) Bromochloromethane	7.15	49	223273	201.009	ug/l	99
29) Tetrahydrofuran	7.16	42	647493	1008.198	ug/l	100
30) Chloroform	7.33	83	453529	175.194	ug/l	100
31) Cyclohexane	7.61	56	423721	164.884	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	400103	173.358	ug/l	99
36) 1,1-Dichloropropene	7.75	75	341174	160.770	ug/l	99
37) Ethyl Acetate	6.88	43	403367	185.035	ug/l	99
38) Carbon Tetrachloride	7.73	117	307622	166.896	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	392455	153.435	ug/l	100
40) Benzene	8.00	78	1004499	160.131	ug/l	100
41) Methacrylonitrile	7.12	41	169990	170.217	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	378904	167.103	ug/l	100
43) Isopropyl Acetate	8.12	43	684741	185.490	ug/l	99
44) Trichloroethene	8.80	130	258386	143.270	ug/l	99
45) 1,2-Dichloropropane	9.08	63	267463	160.381	ug/l	100
46) Dibromomethane	9.18	93	171449	161.338	ug/l	99
47) Bromodichloromethane	9.37	83	367759	174.014	ug/l	99
48) Methyl methacrylate	9.17	41	322847	186.595	ug/l	99
49) 1,4-Dioxane	9.17	88	66044	2608.815	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	2035535	941.393	ug/l	98
52) Toluene	10.12	92	629276	160.522	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	423989	165.332	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	439392	165.160	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	242763	160.622	ug/l	98
56) Ethyl methacrylate	10.40	69	423536	182.967	ug/l	99
57) 1,3-Dichloropropane	10.68	76	433883	167.285	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1073572	899.025	ug/l	99
59) 2-Hexanone	10.72	43	1520891	953.213	ug/l	99
60) Dibromochloromethane	10.88	129	268955	170.234	ug/l	98
61) 1,2-Dibromoethane	10.98	107	253301	162.932	ug/l	99
64) Tetrachloroethene	10.60	164	265716	127.853	ug/l	99
65) Chlorobenzene	11.41	112	636909	151.466	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	234179	157.053	ug/l	99
67) Ethyl Benzene	11.48	91	1225202	155.858	ug/l	99
68) m/p-Xylenes	11.60	106	905119	309.213	ug/l	99
69) o-Xylene	11.92	106	434611	153.868	ug/l	99
70) Styrene	11.94	104	762557	166.109	ug/l	100
71) Bromoform	12.10	173	187115	167.333	ug/l #	100
73) Isopropylbenzene	12.22	105	1182221	154.912	ug/l	99
74) N-amyl acetate	12.04	43	635206	181.499	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	349755	167.084	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	505263	219.883	ug/l #	100
77) Bromobenzene	12.50	156	269867	146.566	ug/l	98
78) n-propylbenzene	12.57	91	1400822	156.109	ug/l	100
79) 2-Chlorotoluene	12.65	91	817621	156.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	996646	155.142	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	137484	156.835	ug/l	99
82) 4-Chlorotoluene	12.75	91	870408	157.107	ug/l	99
83) tert-Butylbenzene	12.97	119	839560	155.813	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	1004469	156.505	ug/l	100
85) sec-Butylbenzene	13.15	105	1147341	156.854	ug/l	100
86) p-Isopropyltoluene	13.26	119	1034391	155.988	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	491328	149.432	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	494100	148.337	ug/l	99
89) n-Butylbenzene	13.59	91	957617	158.194	ug/l	99
90) Hexachloroethane	13.85	117	114446	213.852	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	463550	151.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	79802	175.321	ug/l	99

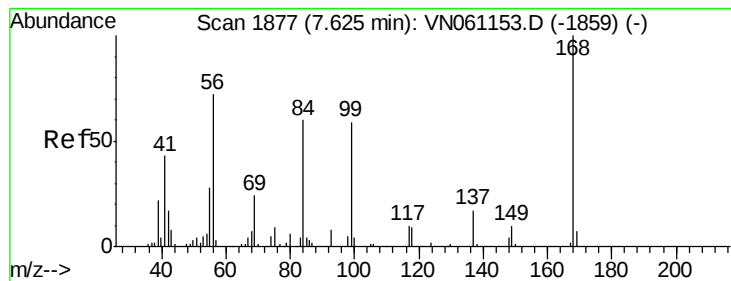
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	298423	146.850	ug/l	100
94) Hexachlorobutadiene	14.99	225	120120	136.453	ug/l	98
95) Naphthalene	15.10	128	1003296	158.648	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	293418	149.954	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

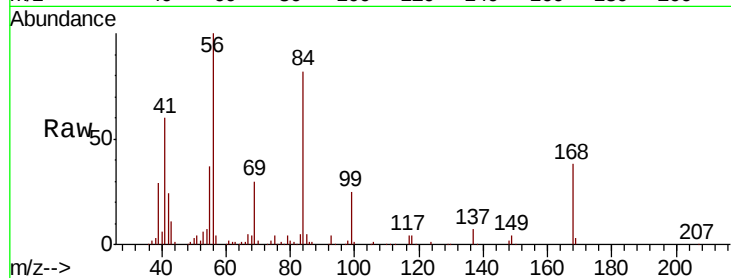
VSTDIC150

Tot Ion:168 Resp: 123564

Ion Ratio Lower Upper

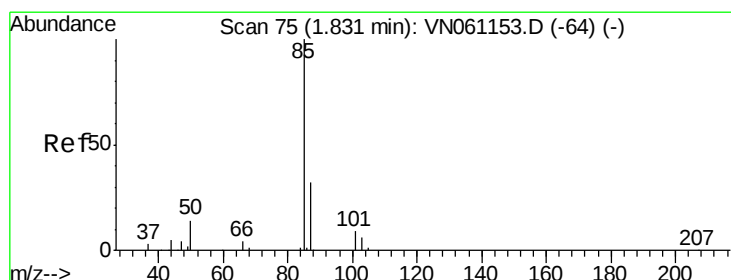
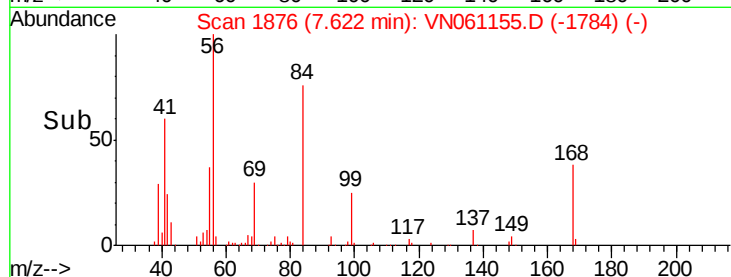
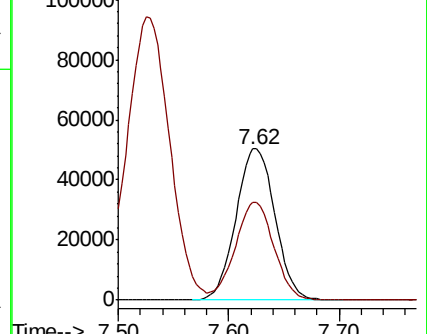
168 100

99 64.5 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 182.401 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061155.D

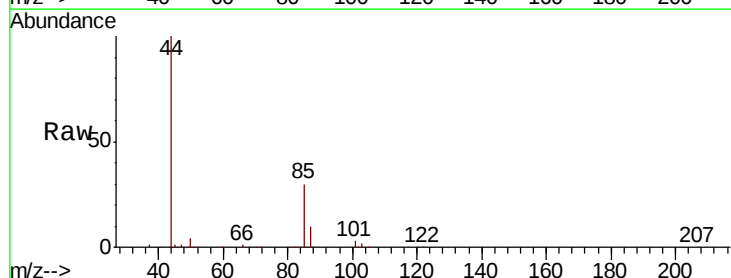
Acq: 27 Apr 2020 17:58

Tgt Ion: 85 Resp: 214402

Ion Ratio Lower Upper

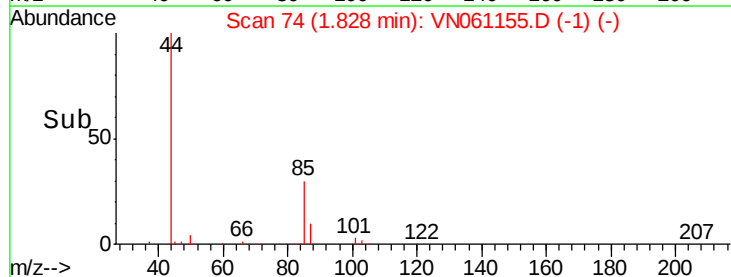
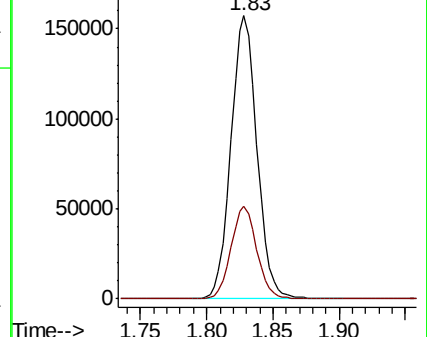
85 100

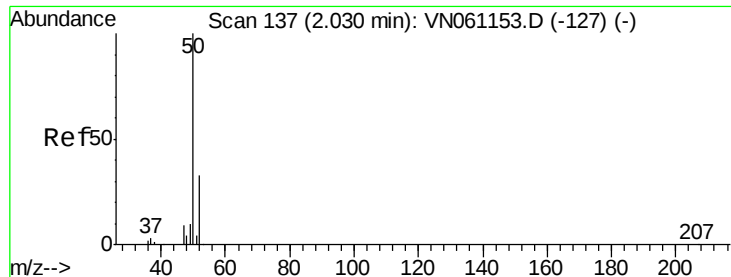
87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 185.239 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

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ClientSampleId :

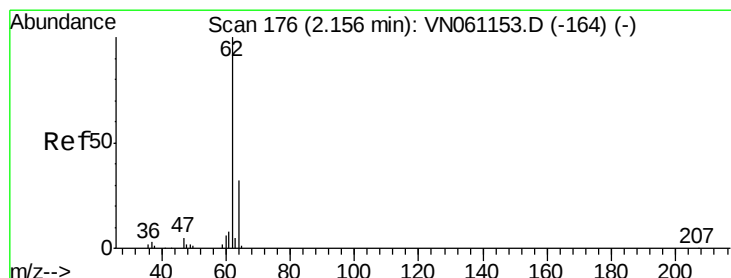
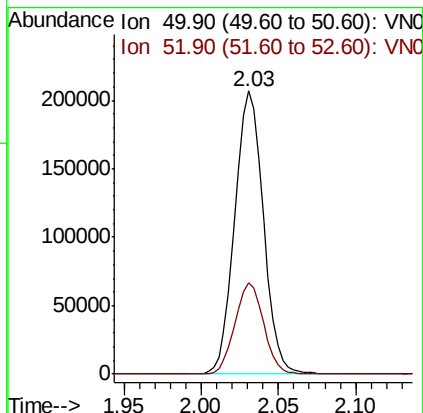
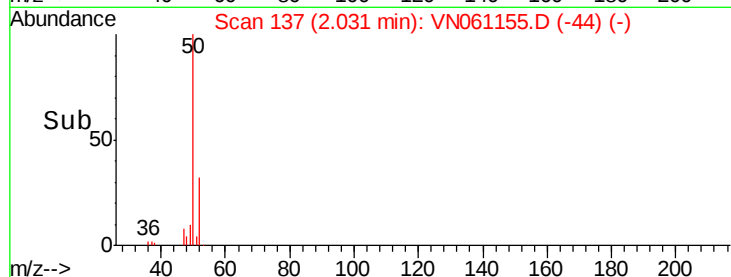
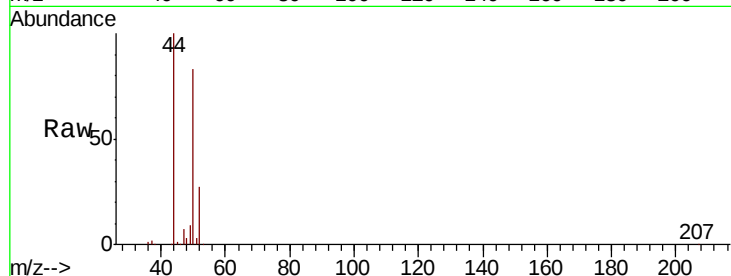
VSTDIC150

Tot Ion: 50 Resp: 265468

Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0



#4

Vinyl Chloride

Concen: 163.331 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061155.D

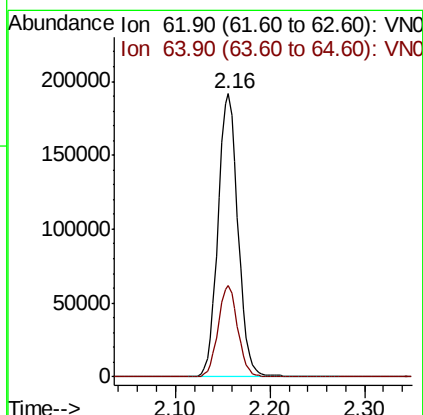
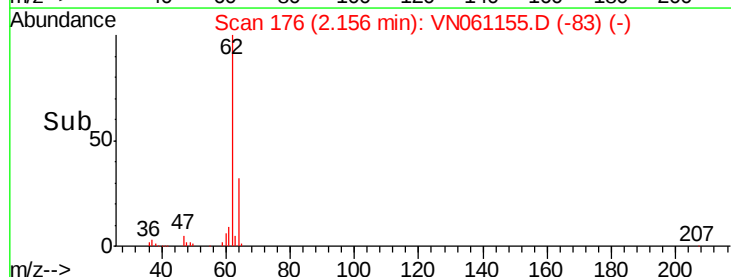
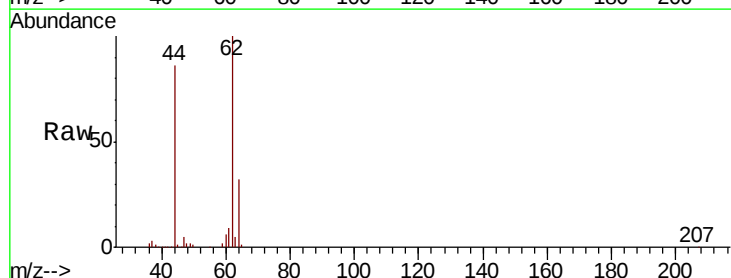
Acq: 27 Apr 2020 17:58

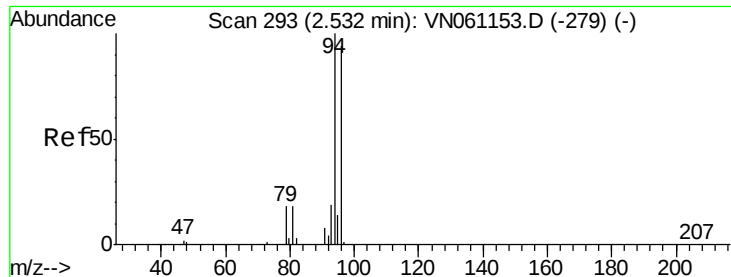
Tgt Ion: 62 Resp: 281408

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 153.740 ug/l

RT: 2.51 min Scan# 285

Delta R.T. -0.03 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

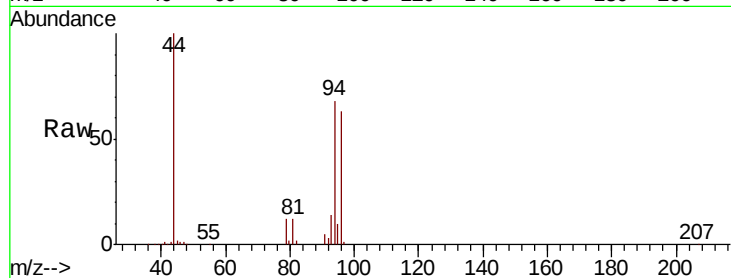
VSTDIC150

Tot Ion: 94 Resp: 128817

Ion Ratio Lower Upper

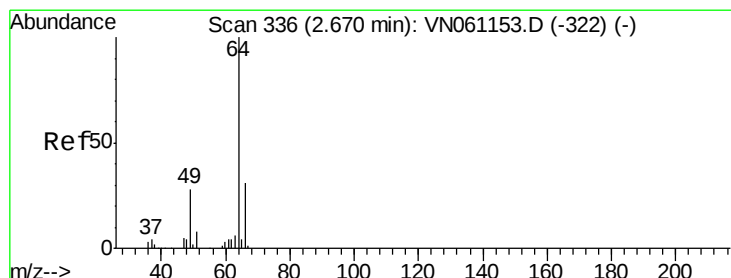
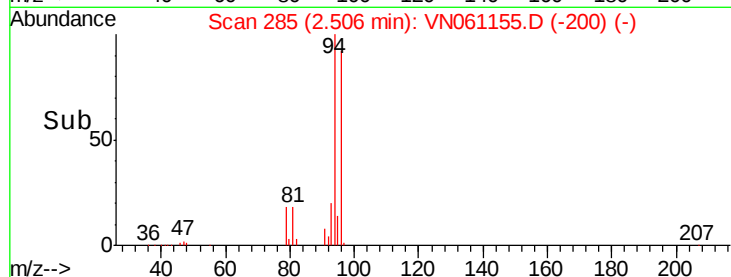
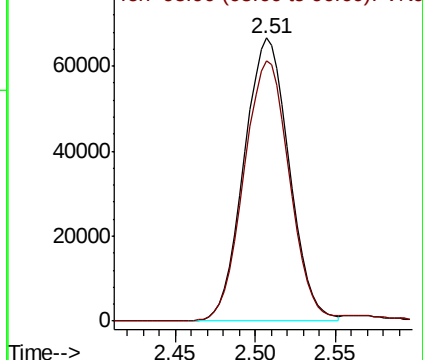
94 100

96 91.9 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 181.707 ug/l

RT: 2.66 min Scan# 332

Delta R.T. -0.01 min

Lab File: VN061155.D

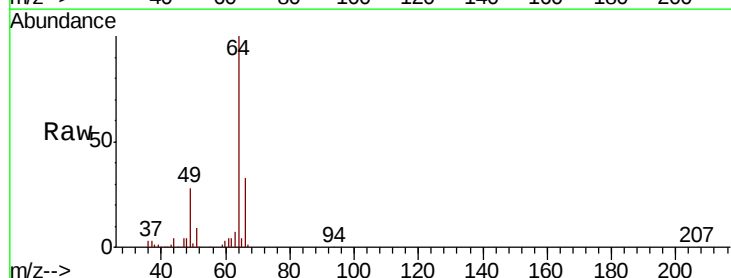
Acq: 27 Apr 2020 17:58

Tgt Ion: 64 Resp: 170870

Ion Ratio Lower Upper

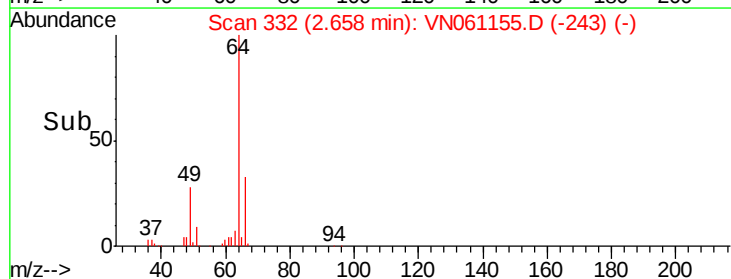
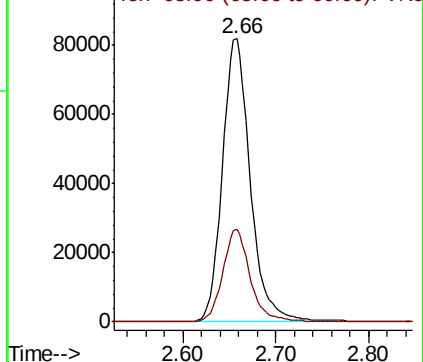
64 100

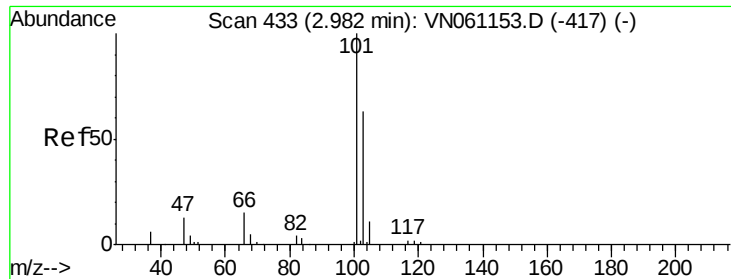
66 32.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



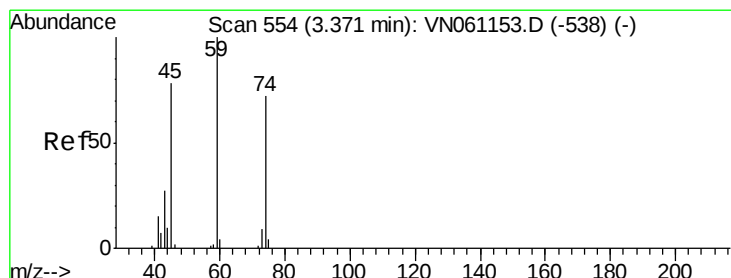
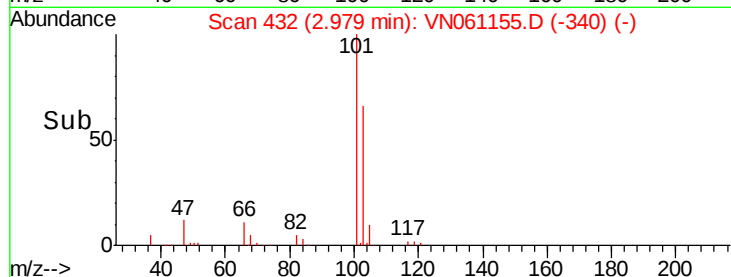
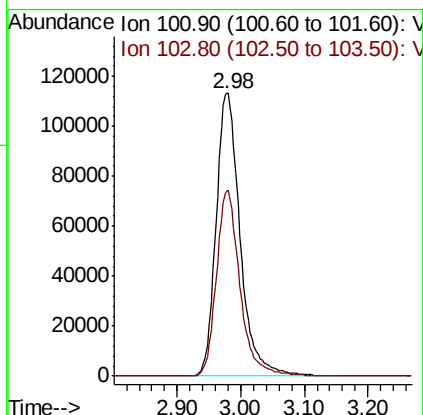
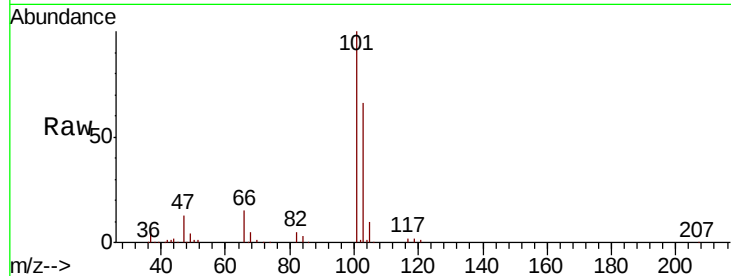


#7

Trichlorofluoromethane
 Concen: 160.158 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

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 VSTDIC150

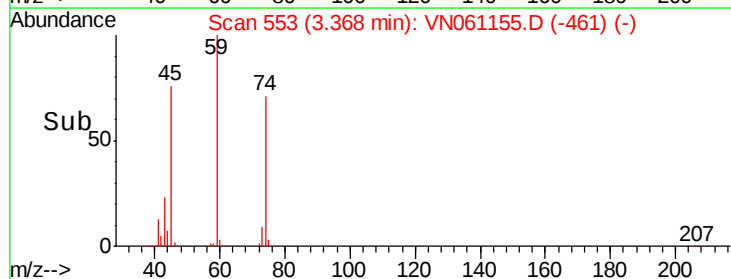
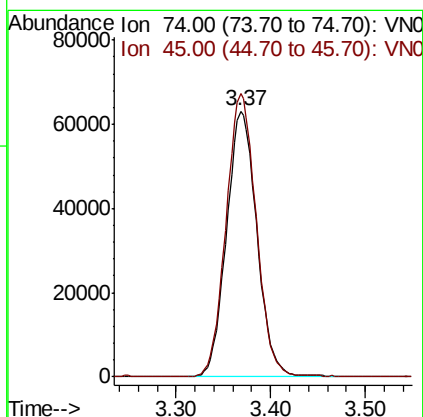
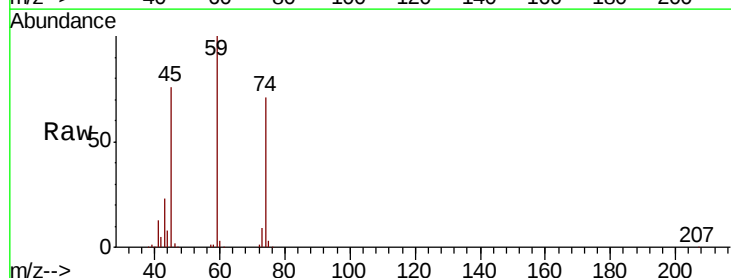
Tot Ion:101 Resp: 297121
 Ion Ratio Lower Upper
 101 100
 103 65.7 50.6 76.0



#8

Diethyl Ether
 Concen: 165.847 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion: 74 Resp: 140745
 Ion Ratio Lower Upper
 74 100
 45 106.0 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 161.385 ug/l

RT: 3.71 min Scan# 659

Delta R.T. -0.01 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

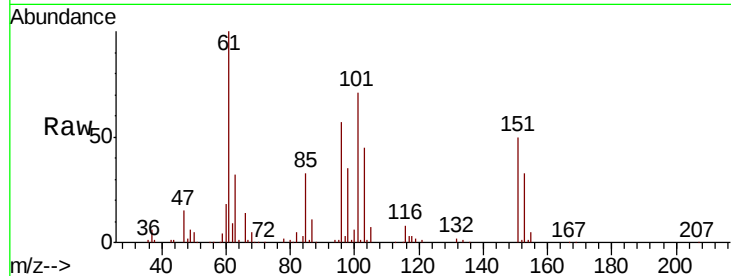
Tot Ion:101 Resp: 197362

Ion Ratio Lower Upper

101 100

85 45.6 37.2 55.8

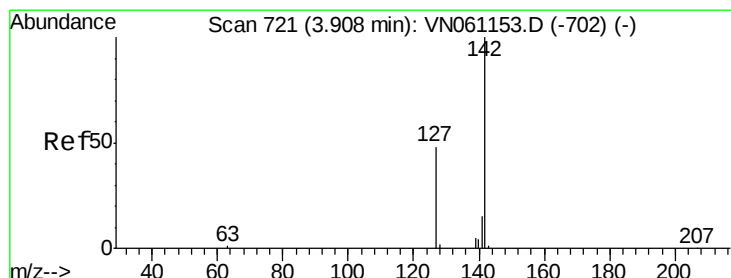
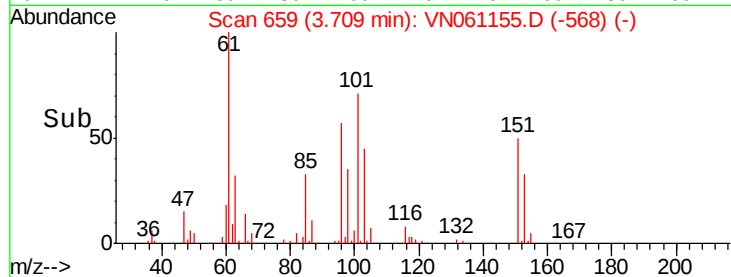
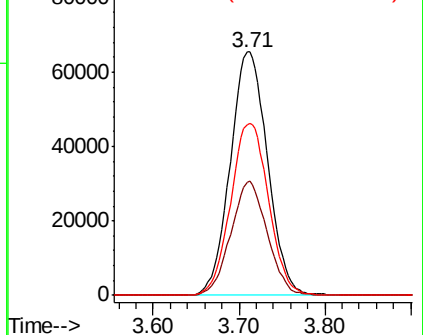
151 71.8 57.7 86.5



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: 156.474 ug/l

RT: 3.91 min Scan# 720

Delta R.T. -0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

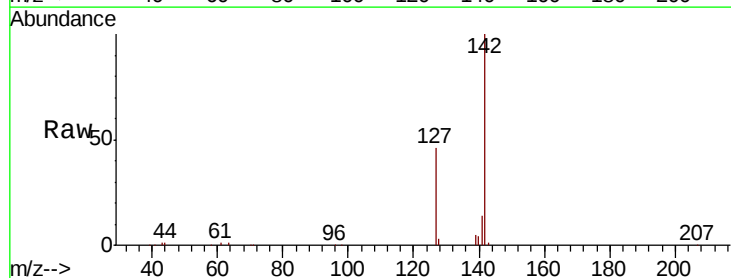
Tgt Ion:142 Resp: 271126

Ion Ratio Lower Upper

142 100

127 46.7 38.0 57.0

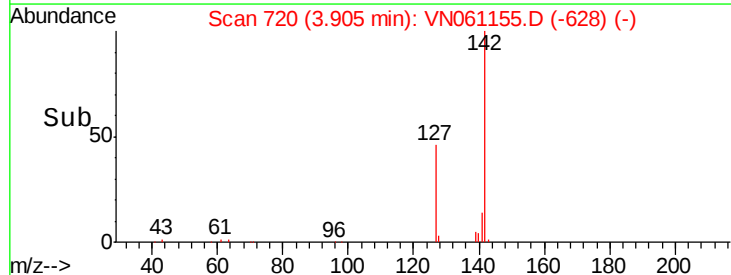
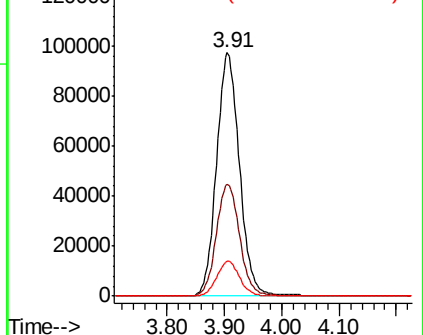
141 14.3 11.7 17.5

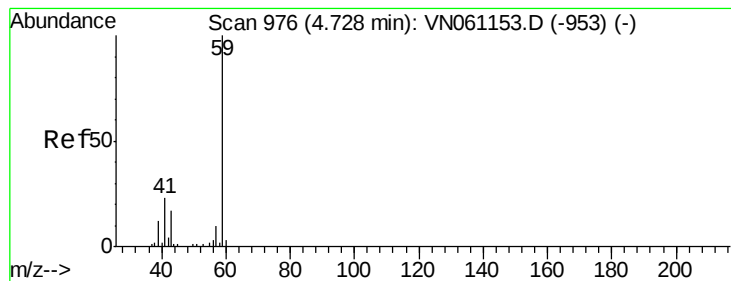


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



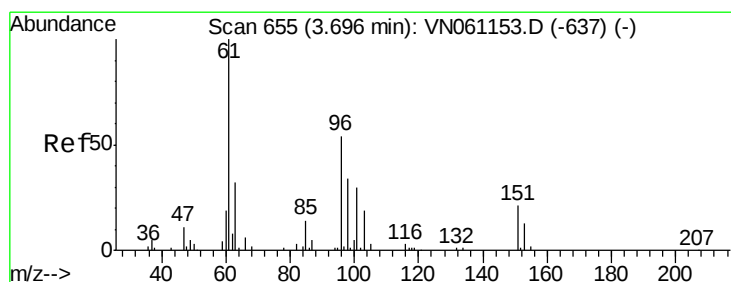
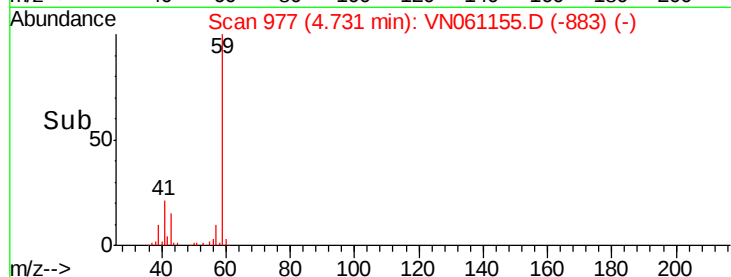
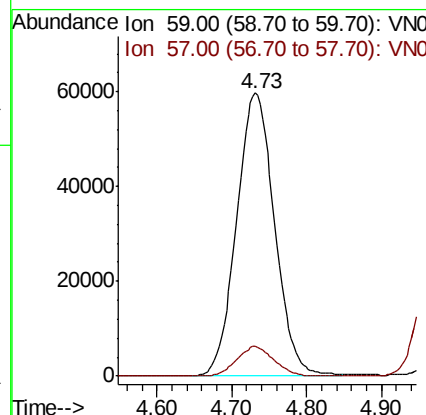
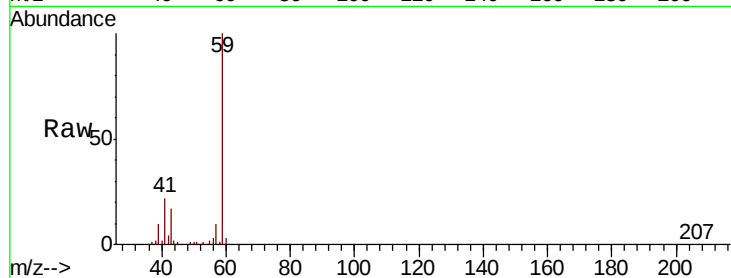


#11

Tert butyl alcohol
 Concen: 968.055 ug/l
 RT: 4.73 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

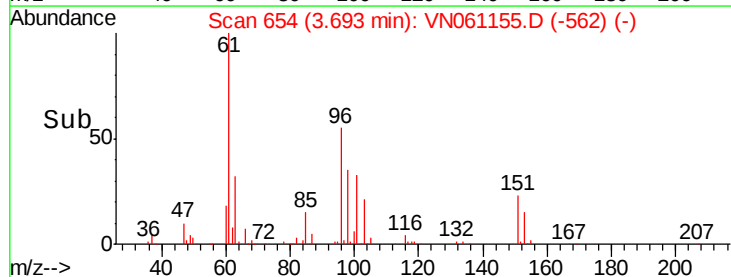
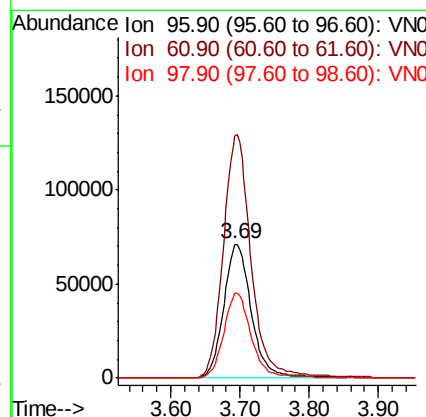
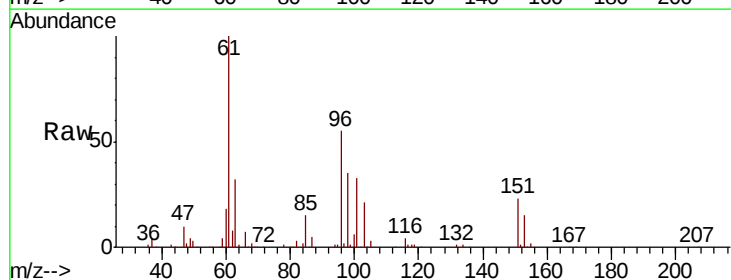
Tot Ion: 59 Resp: 210866
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

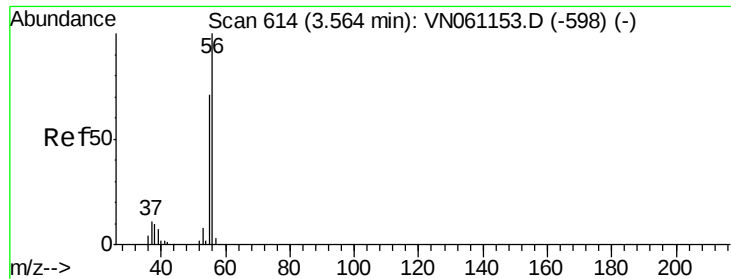


#12

1,1-Dichloroethene
 Concen: 159.617 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion: 96 Resp: 199317
 Ion Ratio Lower Upper
 96 100
 61 181.1 147.0 220.6
 98 63.4 49.8 74.6





#13

Acrolein

Concen: 853.254 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

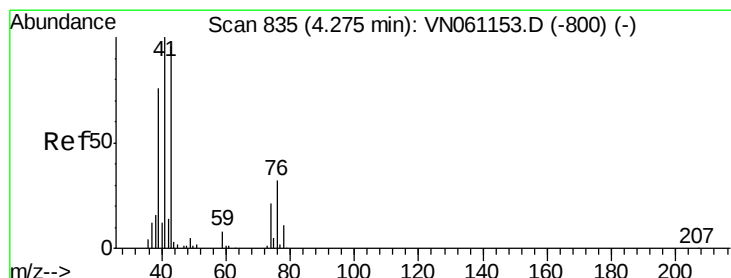
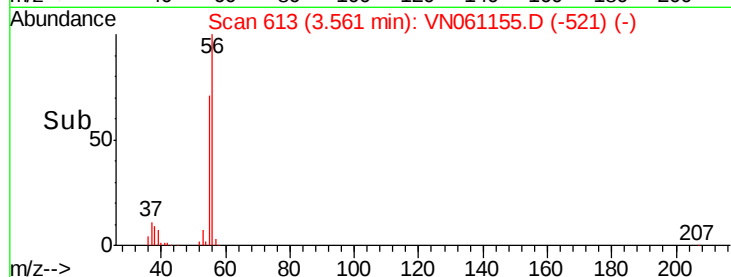
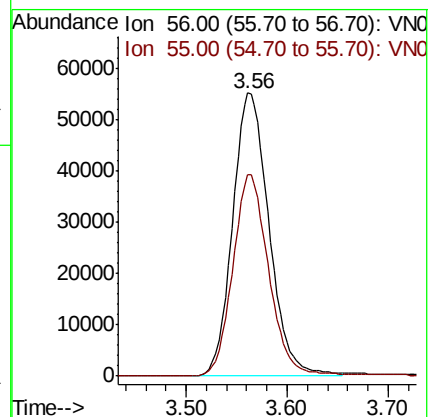
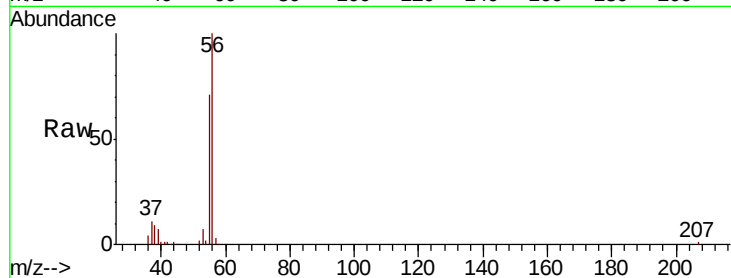
VSTDIC150

Tot Ion: 56 Resp: 138373

Ion Ratio Lower Upper

56 100

55 70.2 58.5 87.7



#14

Allyl chloride

Concen: 154.864 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

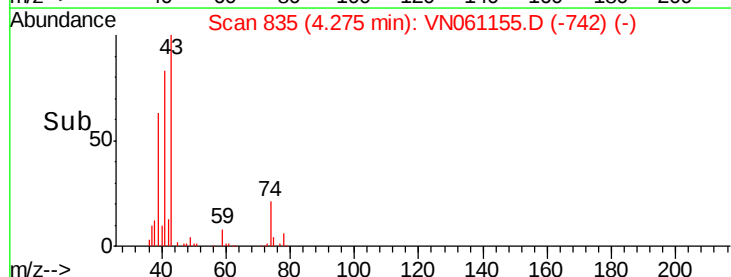
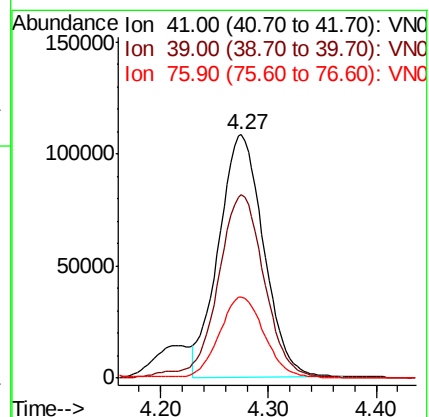
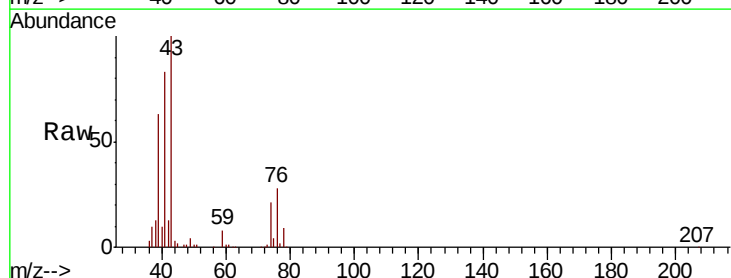
Tgt Ion: 41 Resp: 313196

Ion Ratio Lower Upper

41 100

39 79.0 57.1 85.7

76 33.3 24.3 36.5





#15

Acrylonitrile

Concen: 974.946 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

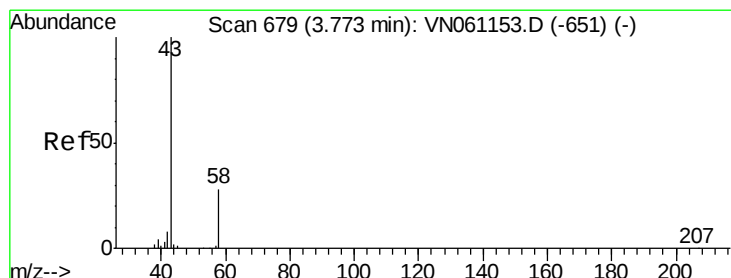
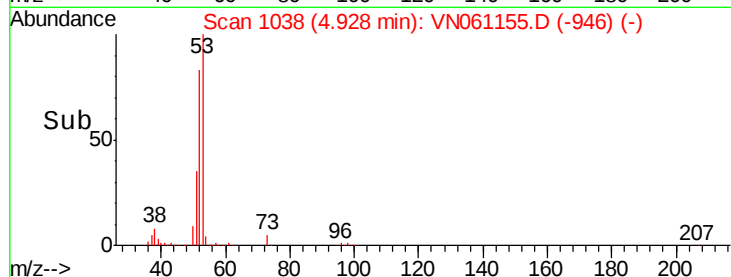
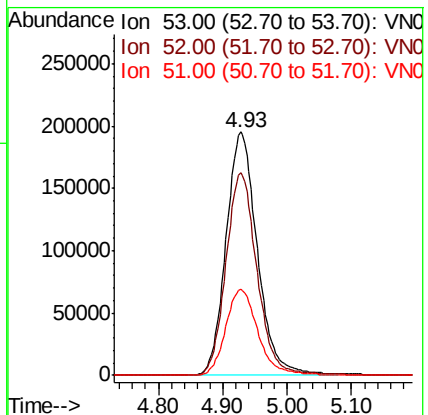
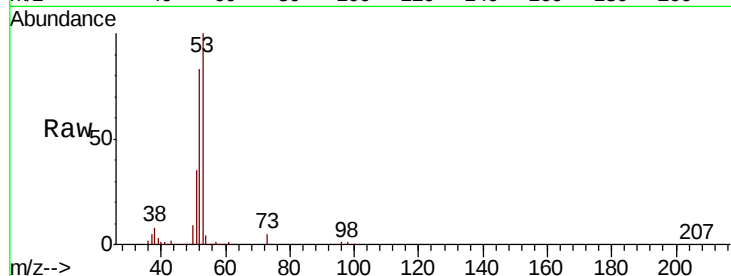
Tot Ion: 53 Resp: 660329

Ion Ratio Lower Upper

53 100

52 82.8 65.4 98.0

51 36.6 29.5 44.3



#16

Acetone

Concen: 687.896 ug/l

RT: 3.77 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN061155.D

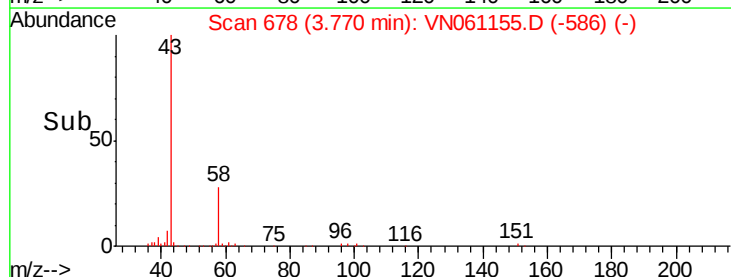
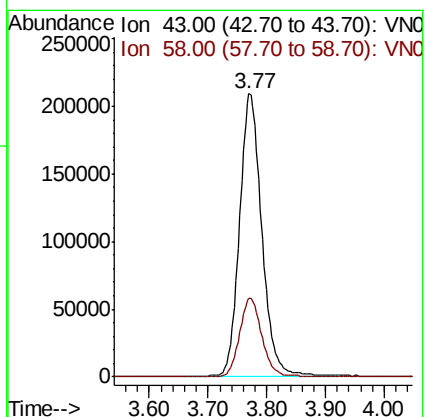
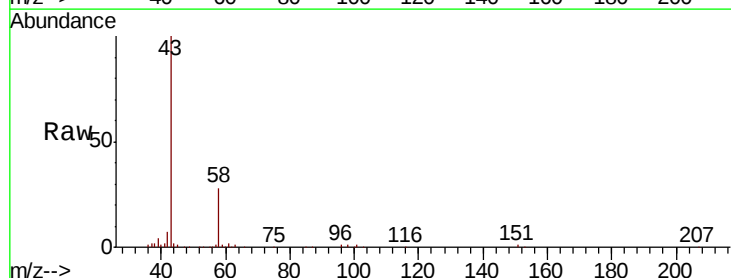
Acq: 27 Apr 2020 17:58

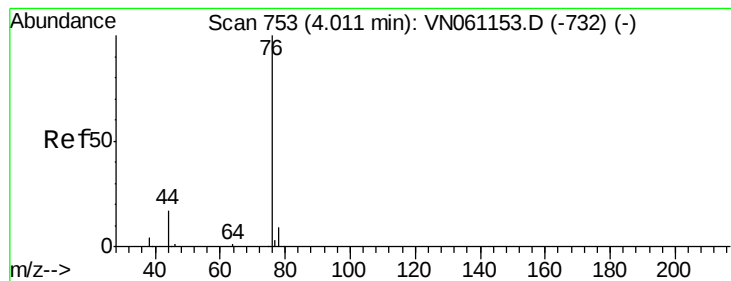
Tgt Ion: 43 Resp: 560392

Ion Ratio Lower Upper

43 100

58 27.8 22.2 33.2





#17

Carbon Disulfide

Concen: 157.815 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

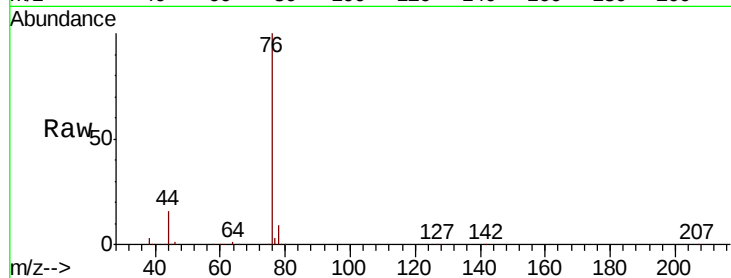
VSTDIC150

Tot Ion: 76 Resp: 581389

Ion Ratio Lower Upper

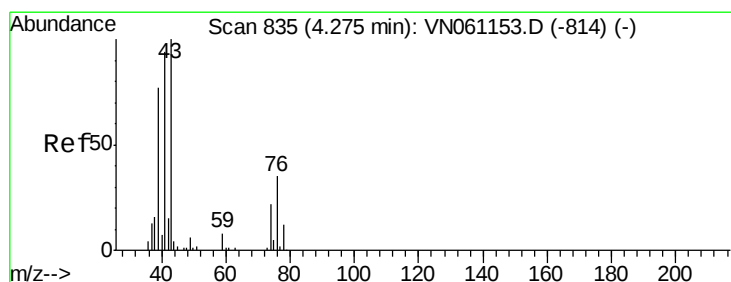
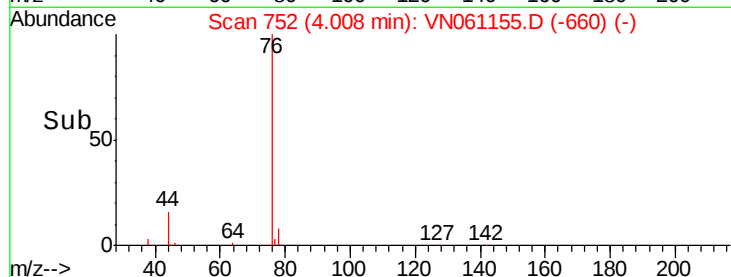
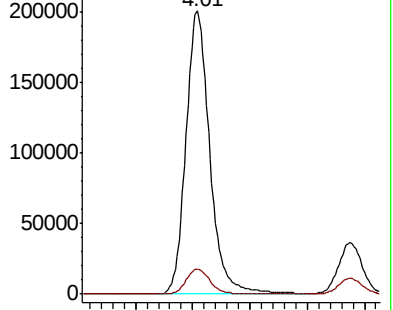
76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN061155.D (-732) (-)

Ion 77.90 (77.60 to 78.60): VN061155.D (-732) (-)



#18

Methyl Acetate

Concen: 170.461 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061155.D

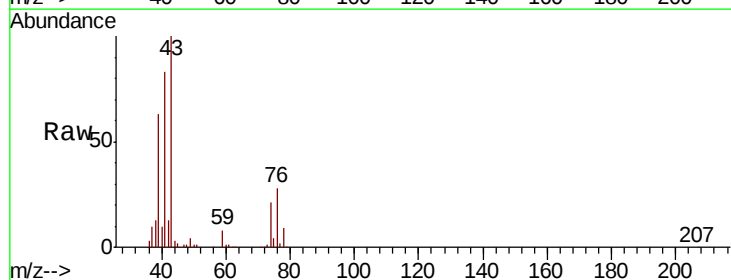
Acq: 27 Apr 2020 17:58

Tgt Ion: 43 Resp: 375999

Ion Ratio Lower Upper

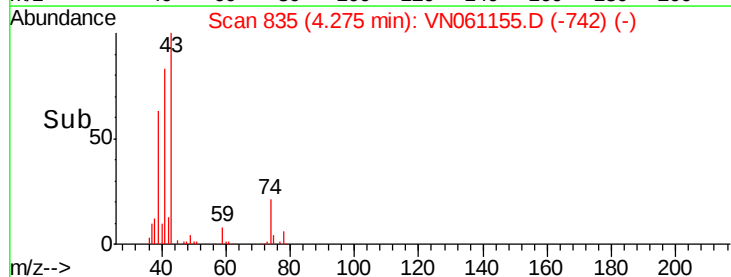
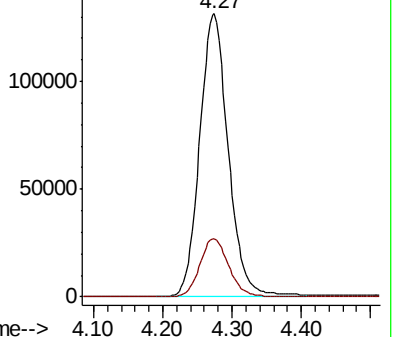
43 100

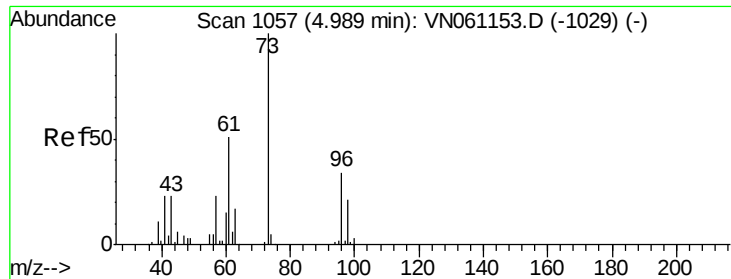
74 21.1 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN061155.D (-742) (-)

Ion 74.00 (73.70 to 74.70): VN061155.D (-742) (-)

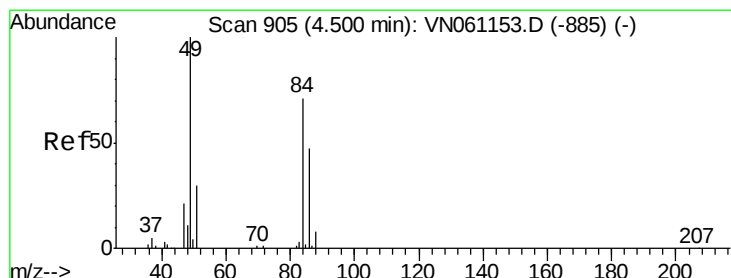
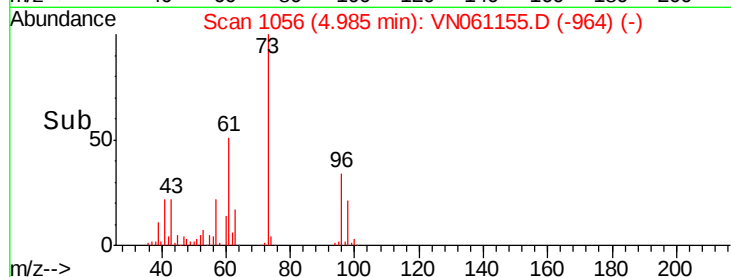
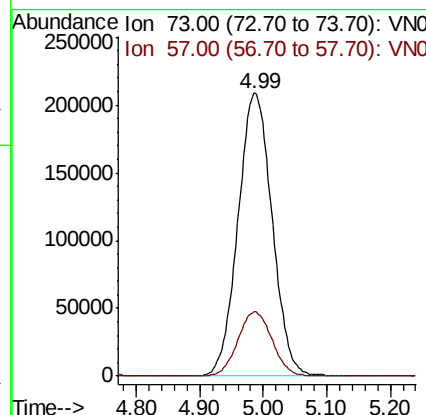
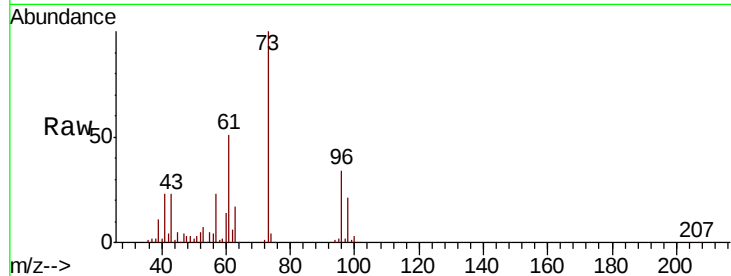




#19
Methyl tert-butyl Ether
Concen: 174.674 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

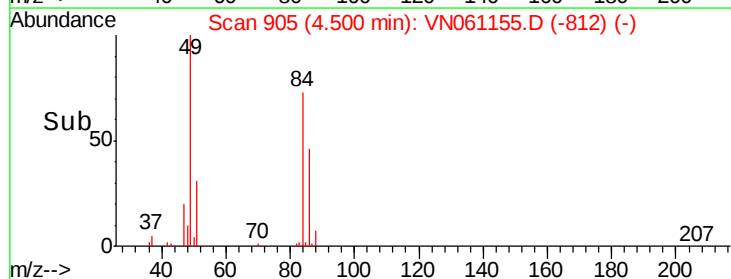
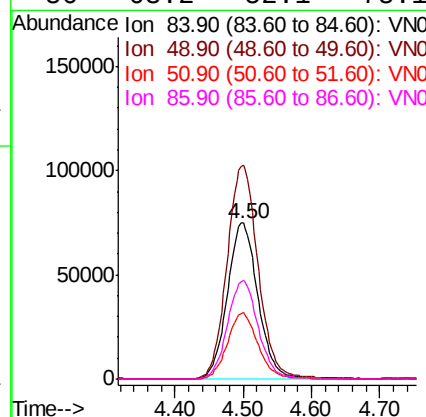
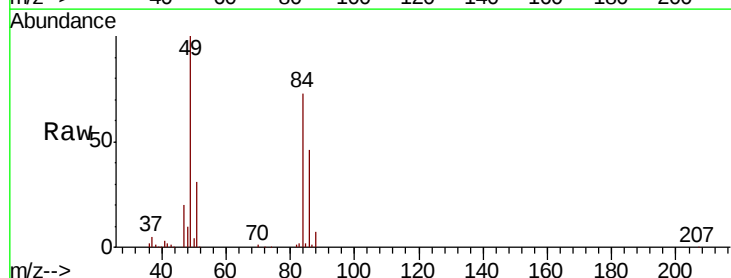
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

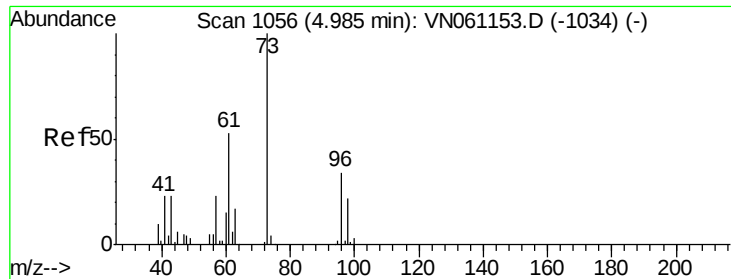
Tot Ion: 73 Resp: 778459
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5



#20
Methylene Chloride
Concen: 161.550 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion: 84 Resp: 234254
Ion Ratio Lower Upper
84 100
49 137.1 112.0 168.0
51 42.4 33.6 50.4
86 63.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 152.562 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

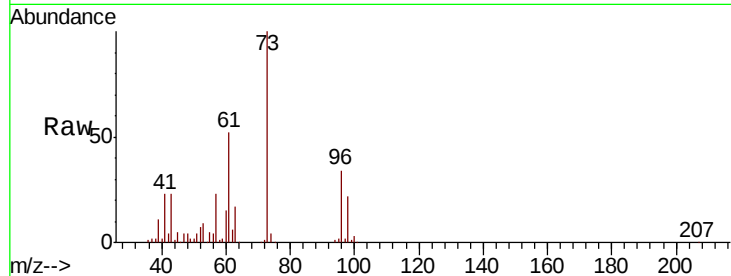
Tot Ion: 96 Resp: 226994

Ion Ratio Lower Upper

96 100

61 152.5 123.0 184.4

98 63.7 50.1 75.1

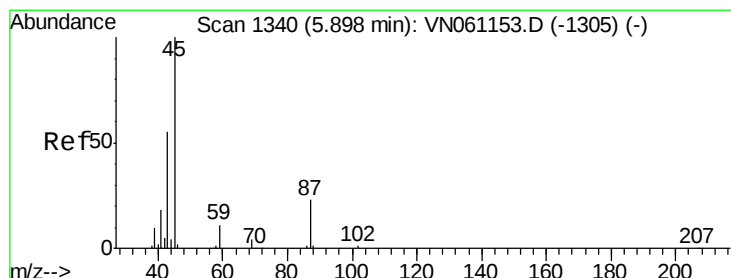
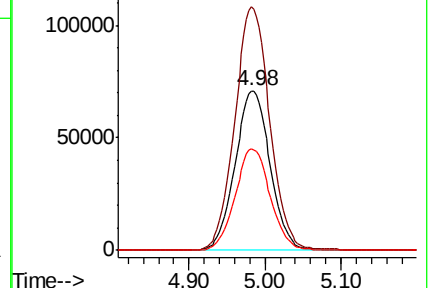
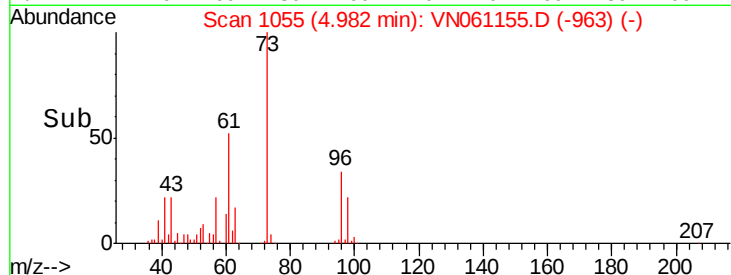


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 195.121 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Tgt Ion: 45 Resp: 915716

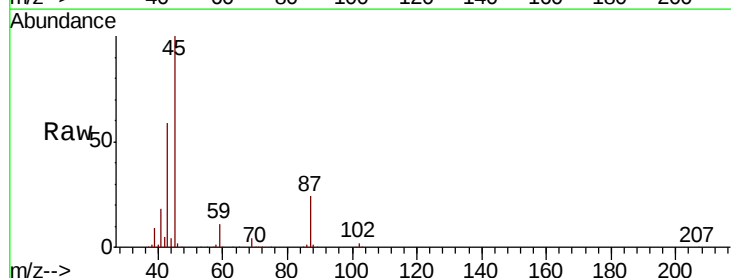
Ion Ratio Lower Upper

45 100

43 58.1 47.9 71.9

87 23.8 19.2 28.8

59 11.1 9.0 13.4



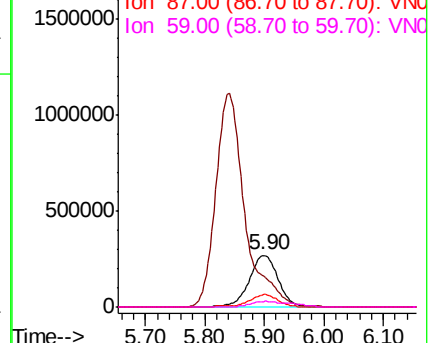
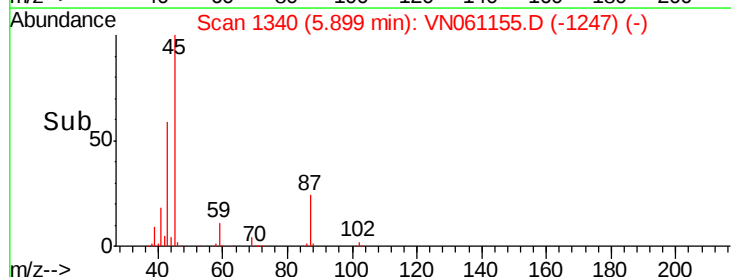
Abundance

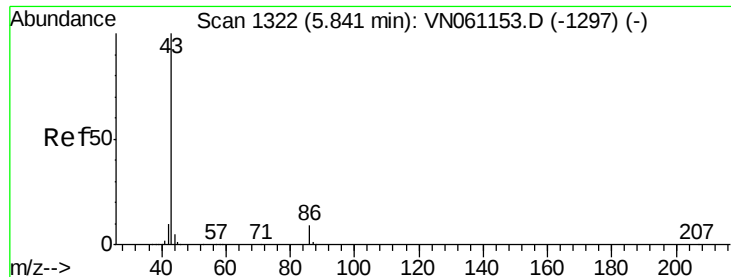
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 1004.081 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

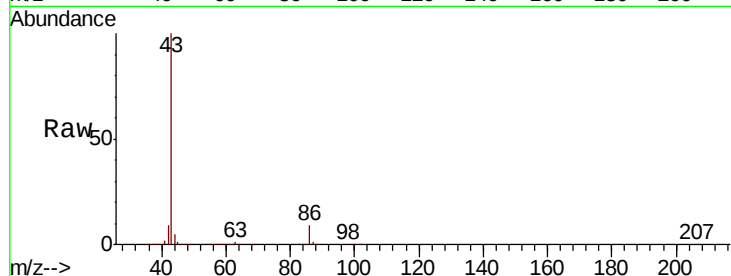
VSTDIC150

Tot Ion: 43 Resp: 3780452

Ion Ratio Lower Upper

43 100

86 9.3 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061155.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061155.D (-1297) (-)

5.84

1200000

1000000

800000

600000

400000

200000

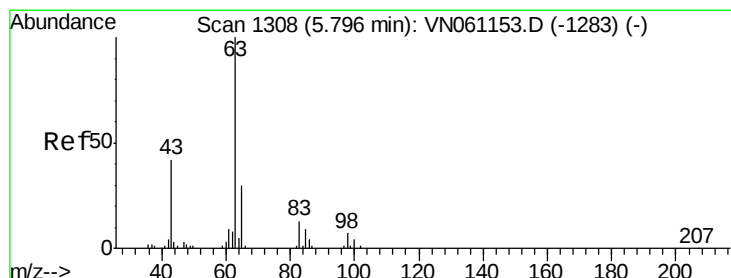
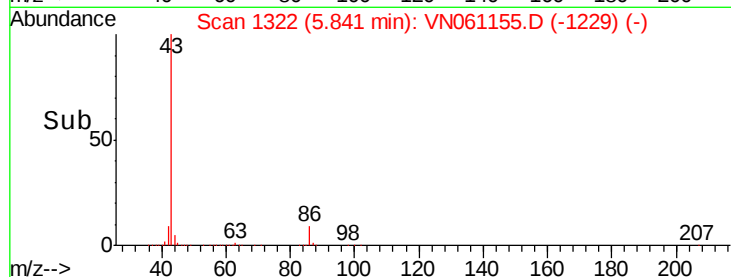
0

Time-->

5.60

5.80

6.00



#24

1,1-Dichloroethane

Concen: 178.252 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

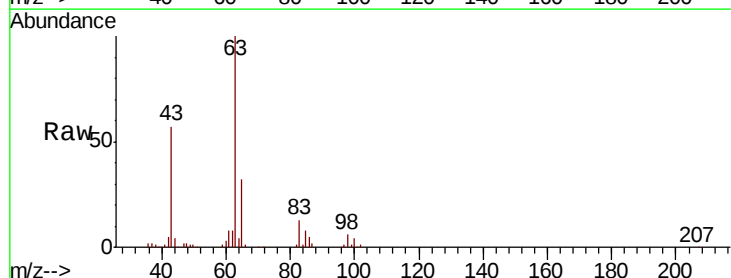
Tgt Ion: 63 Resp: 456526

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.2 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061155.D (-1283) (-)

Ion 97.90 (97.60 to 98.60): VN061155.D (-1283) (-)

Ion 99.90 (99.60 to 100.60): VN061155.D (-1283) (-)

5.80

150000

100000

50000

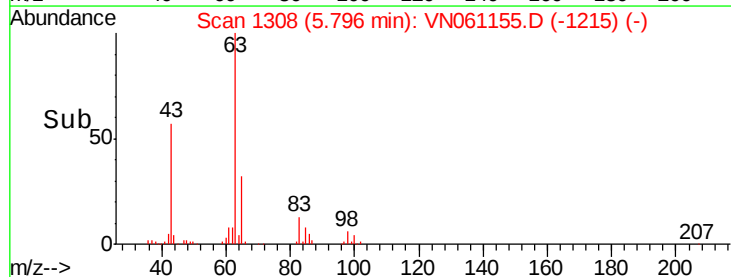
0

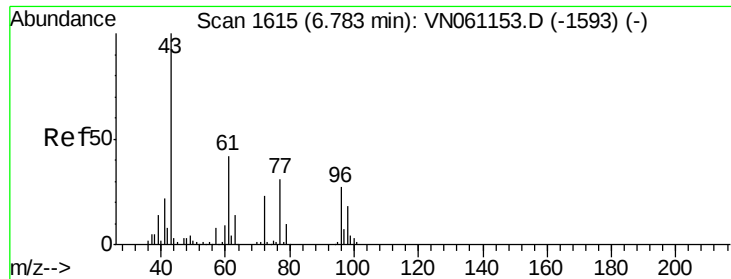
Time-->

5.70

5.80

5.90

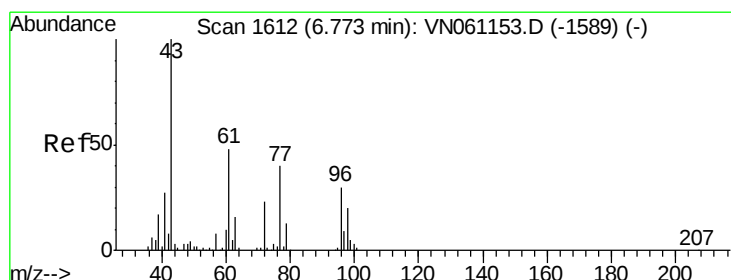
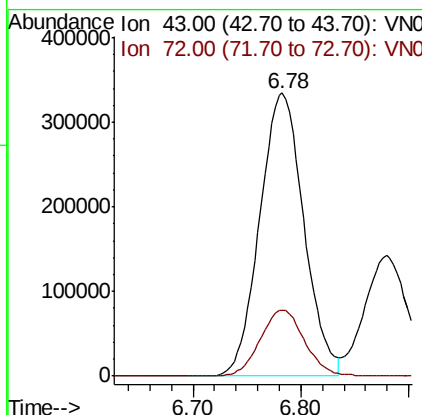
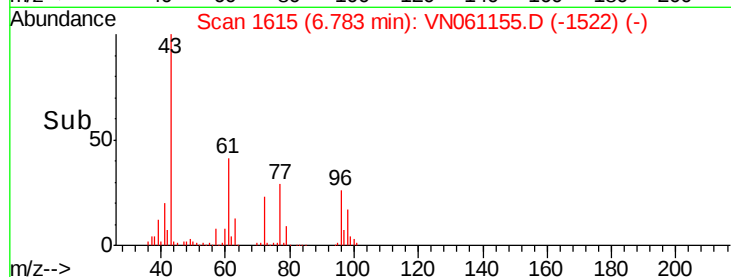
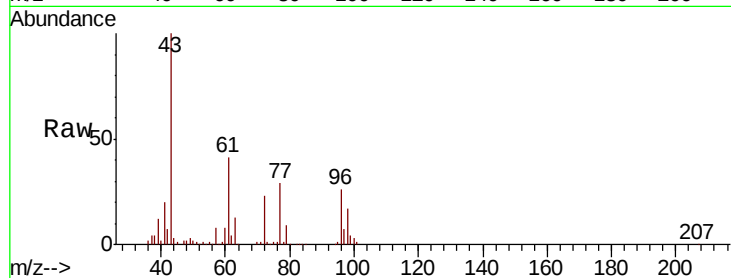




#25
2-Butanone
Concen: 1014.466 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

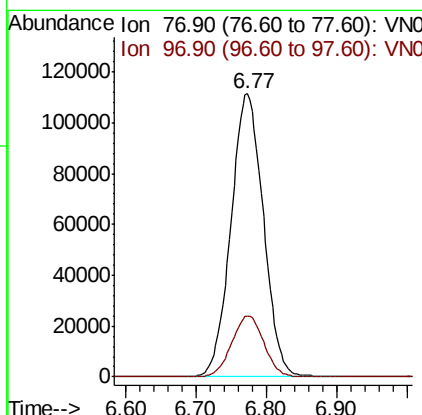
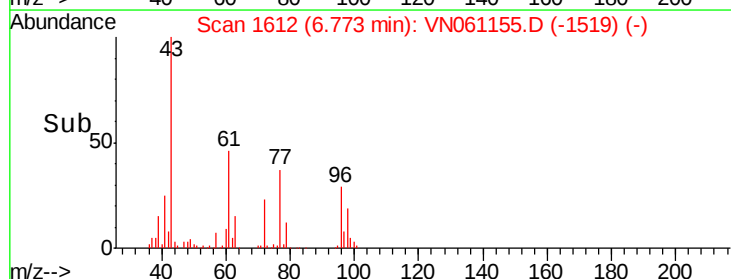
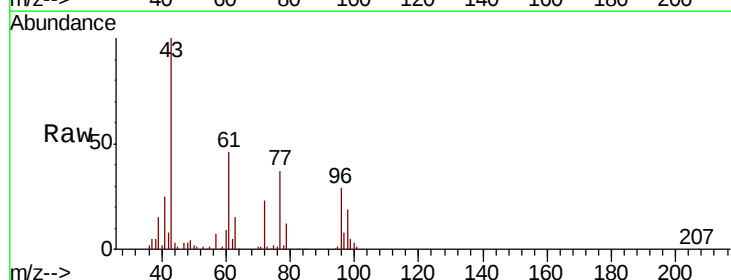
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

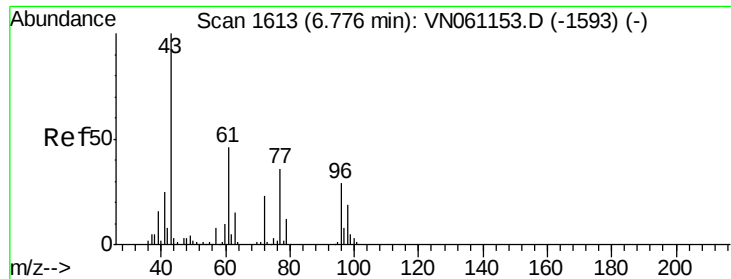
Tot Ion: 43 Resp: 946972
Ion Ratio Lower Upper
43 100
72 23.4 18.2 27.4



#26
2,2-Dichloropropane
Concen: 158.458 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion: 77 Resp: 358015
Ion Ratio Lower Upper
77 100
97 21.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 159.279 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

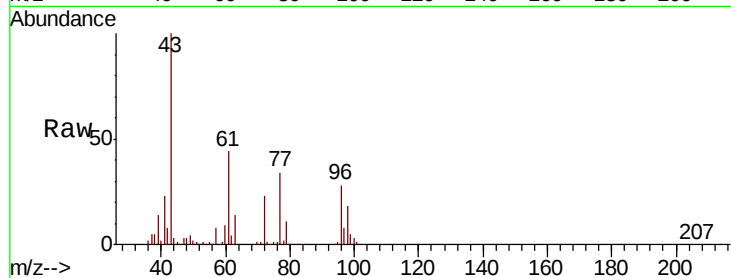
Tot Ion: 96 Resp: 263691

Ion Ratio Lower Upper

96 100

61 158.6 0.0 322.0

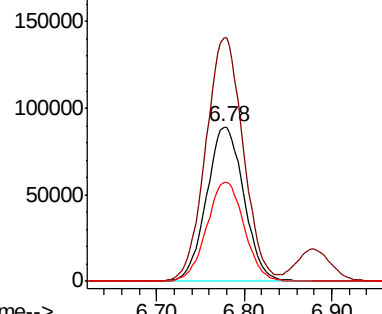
98 64.6 0.0 129.6



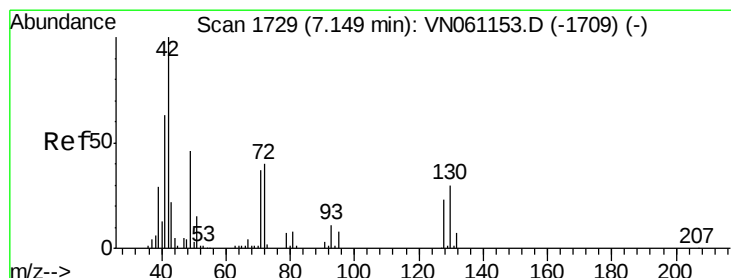
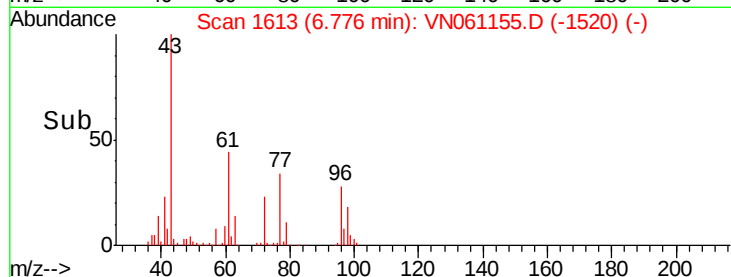
Abundance Ion 95.90 (95.60 to 96.60): VN061155.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN061155.D (-1593) (-)

Ion 97.90 (97.60 to 98.60): VN061155.D (-1593) (-)



Time-->



#28

Bromochloromethane

Concen: 201.009 ug/l

RT: 7.15 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

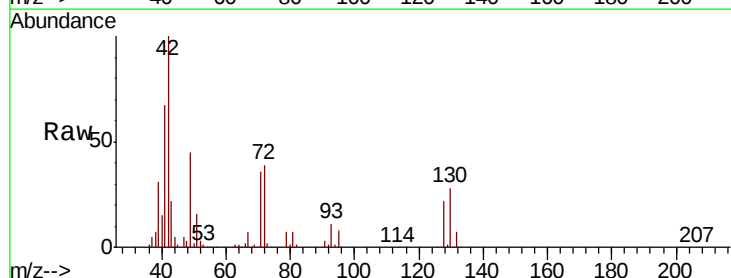
Tgt Ion: 49 Resp: 223273

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.0

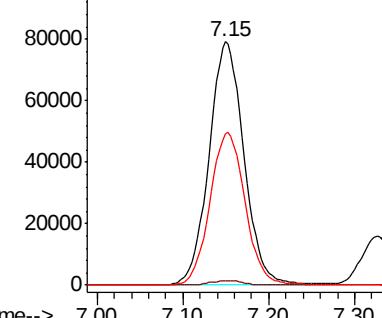
130 63.3 51.4 77.2



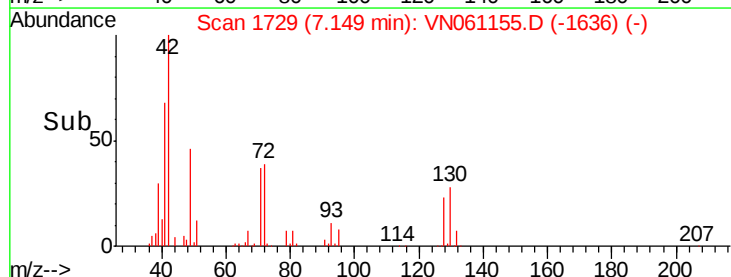
Abundance Ion 48.90 (48.60 to 49.60): VN061155.D (-1709) (-)

Ion 128.80 (128.50 to 129.50): VN061155.D (-1709) (-)

Ion 129.80 (129.50 to 130.50): VN061155.D (-1709) (-)



Time-->

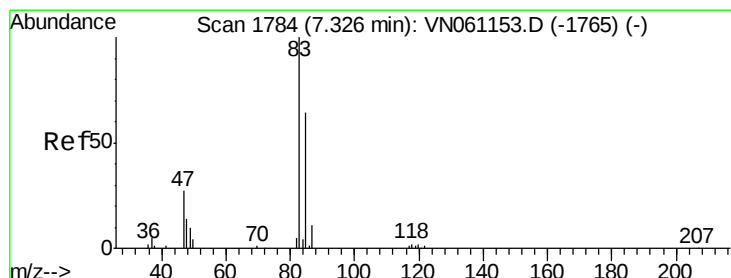
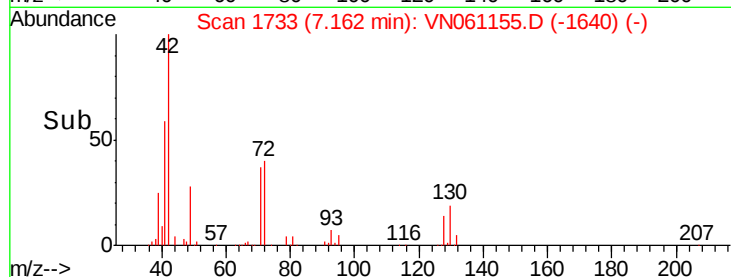
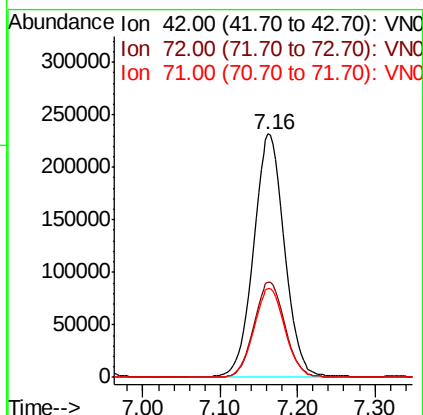
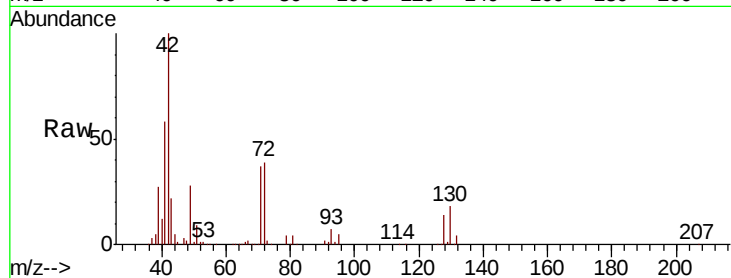




#29
Tetrahydrofuran
Concen: 1008.198 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

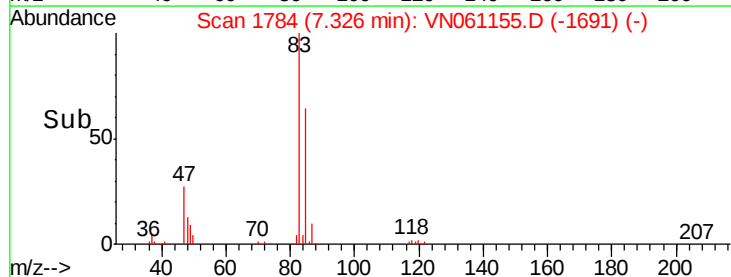
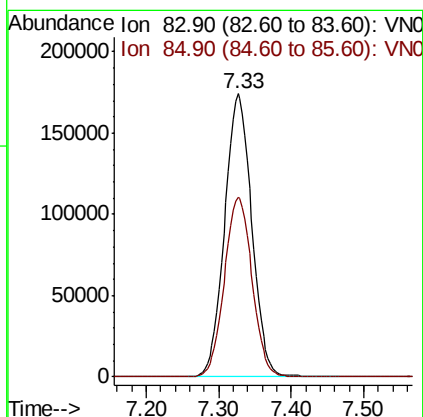
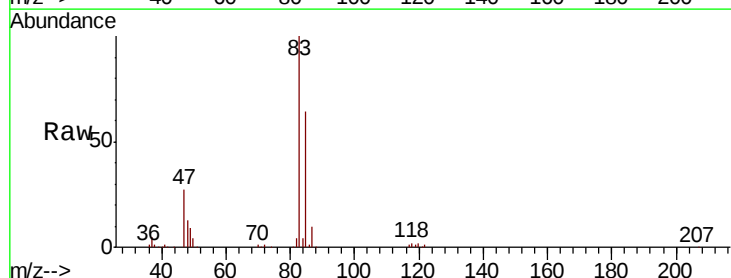
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

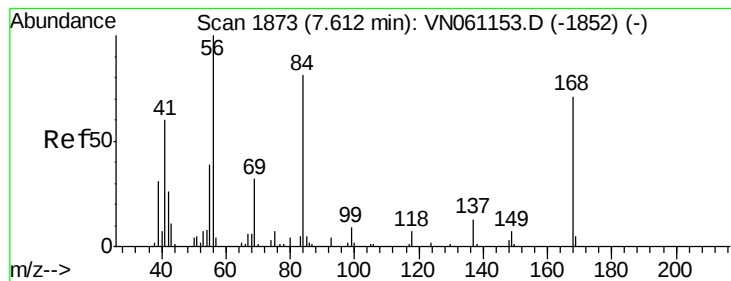
Tot Ion: 42 Resp: 647493
Ion Ratio Lower Upper
42 100
72 39.3 31.4 47.0
71 36.8 29.5 44.3



#30
Chloroform
Concen: 175.194 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion: 83 Resp: 453529
Ion Ratio Lower Upper
83 100
85 63.7 51.1 76.7





#31

Cyclohexane

Concen: 164.884 ug/l

RT: 7.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

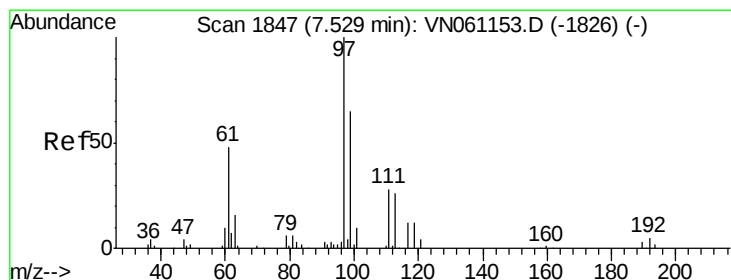
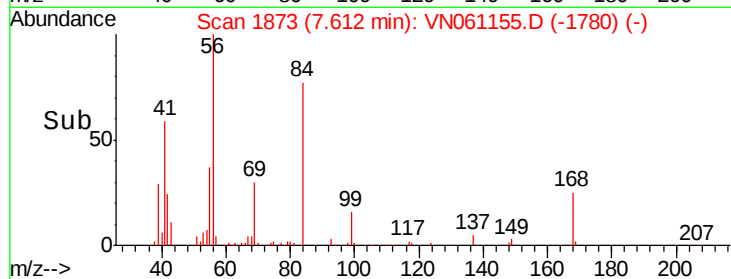
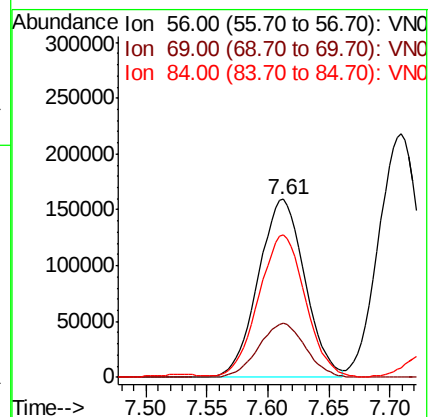
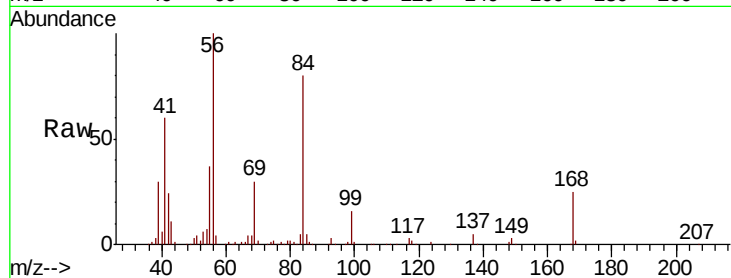
Tot Ion: 56 Resp: 423721

Ion Ratio Lower Upper

56 100

69 30.3 25.7 38.5

84 78.6 64.6 97.0



#32

1,1,1-Trichloroethane

Concen: 173.358 ug/l

RT: 7.53 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

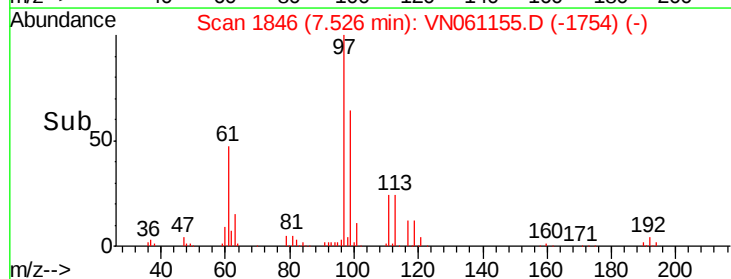
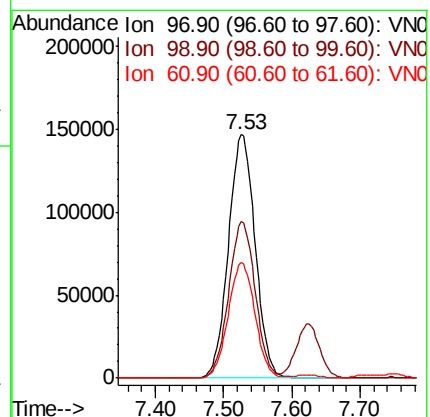
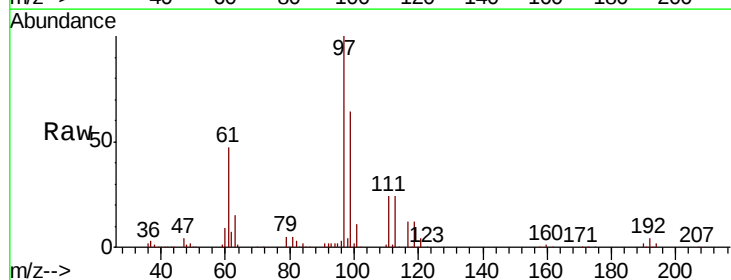
Tgt Ion: 97 Resp: 400103

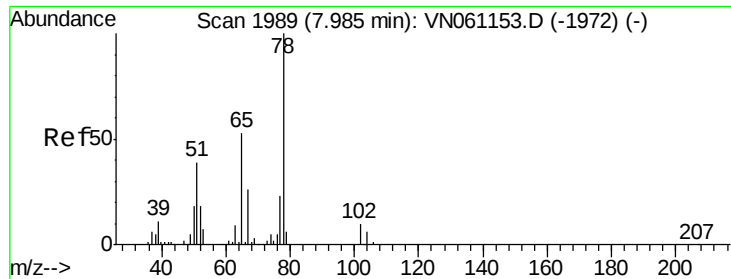
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 47.6 38.6 57.8

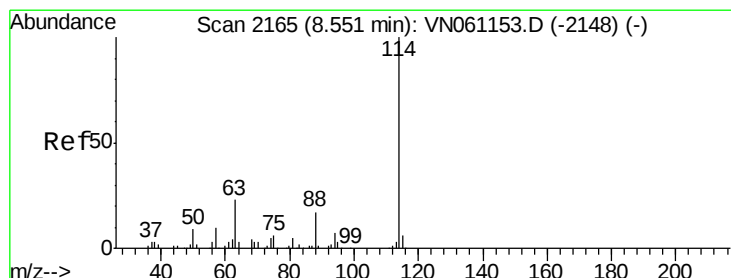
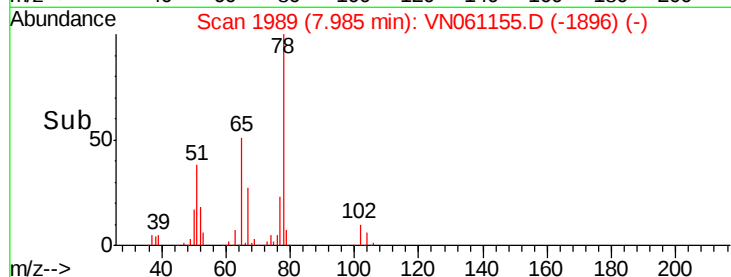
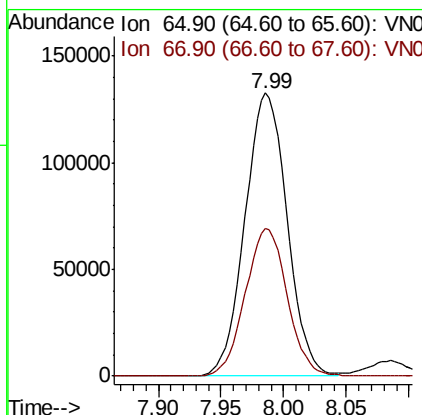
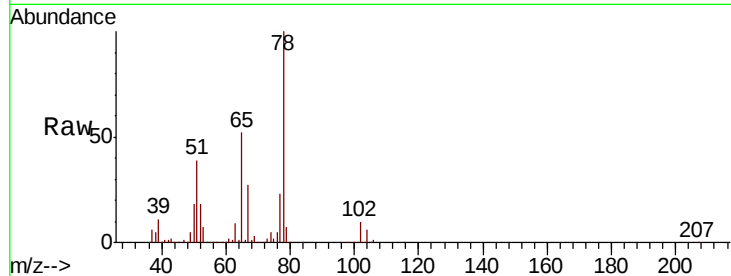




#33
 1,2-Dichloroethane-d4
 Concen: 183.149 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

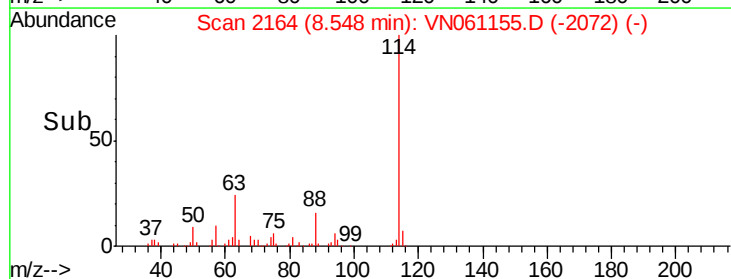
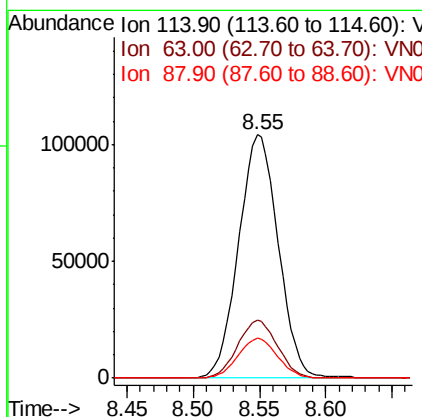
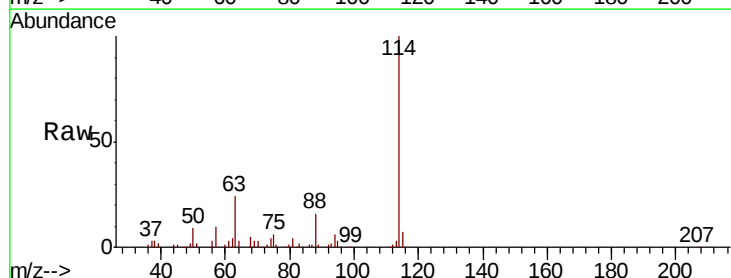
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

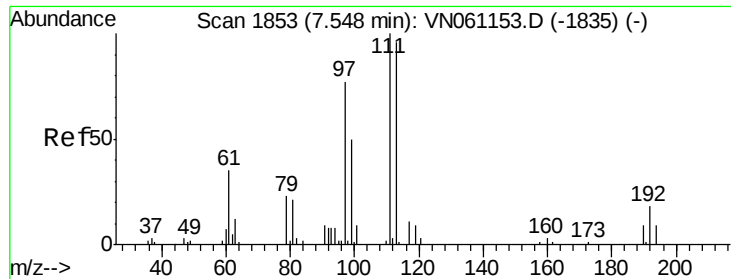
Tot Ion: 65 Resp: 310393
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion: 114 Resp: 216401
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.6
 88 16.2 0.0 33.4

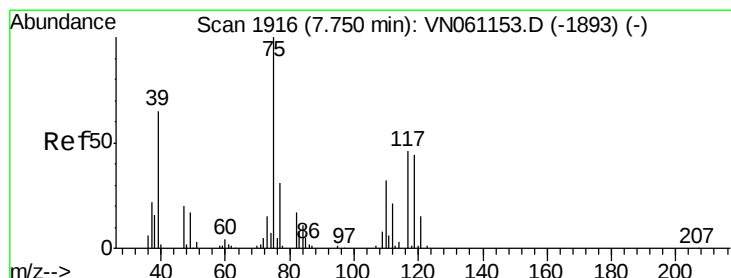
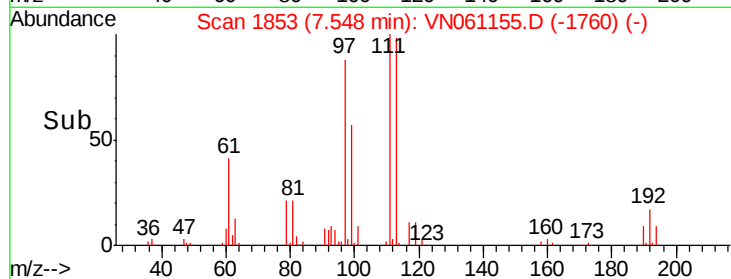
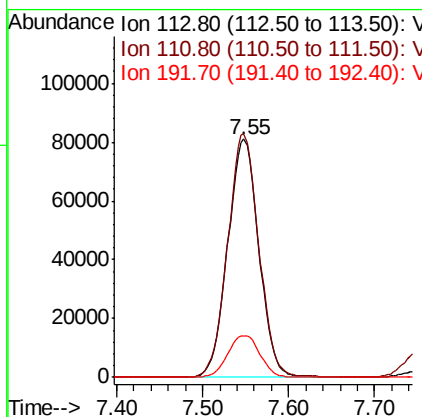
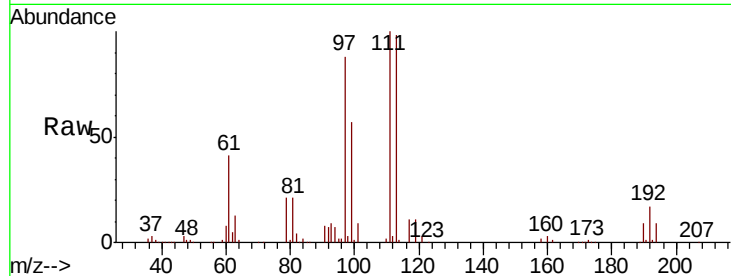




#35
 Dibromofluoromethane
 Concen: 164.349 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

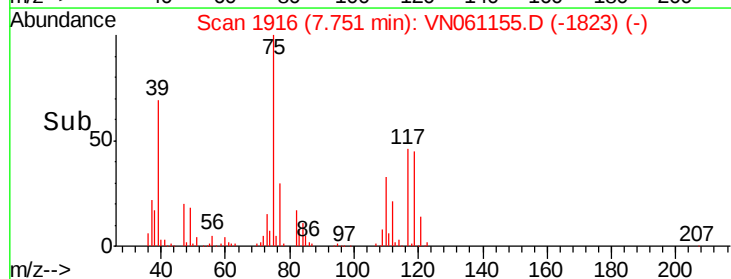
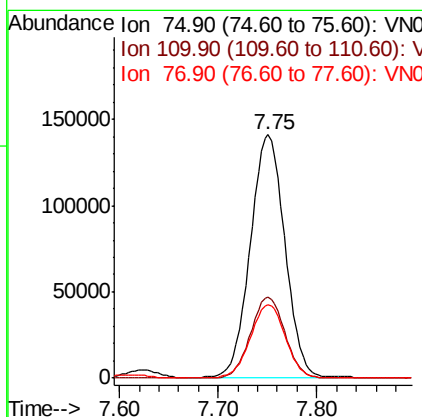
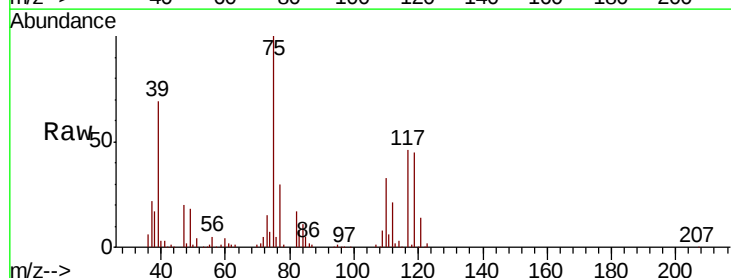
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

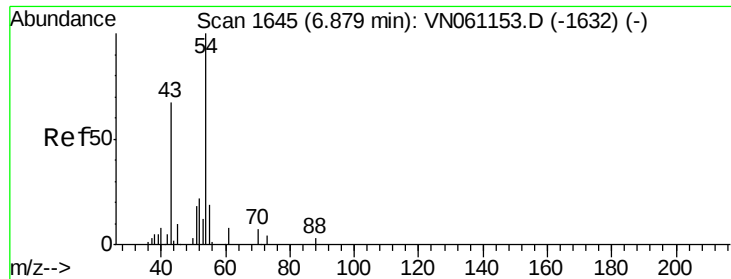
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	18.1	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 160.770 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.0	48.0
77	30.7	24.6	37.0

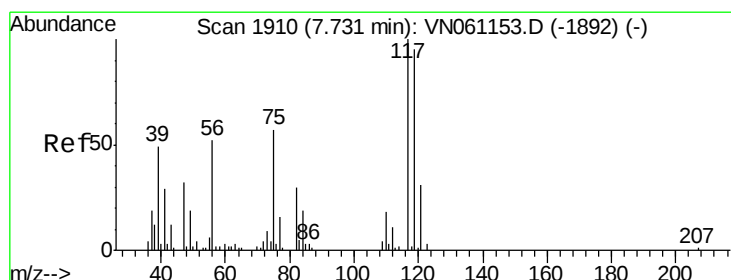
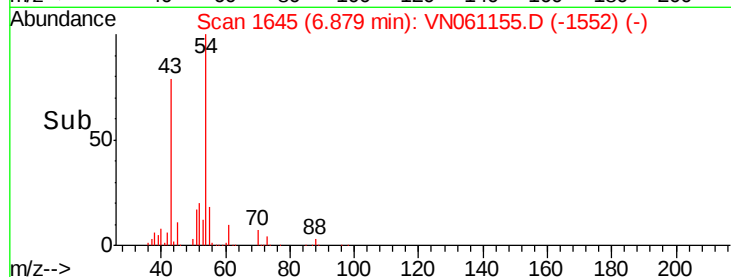
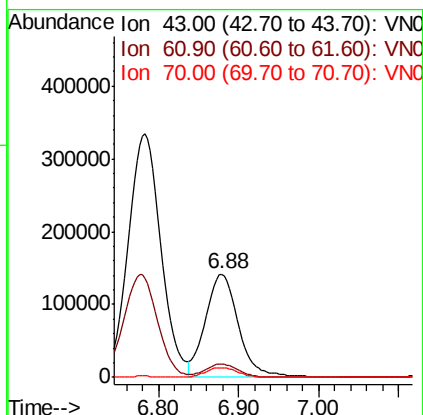
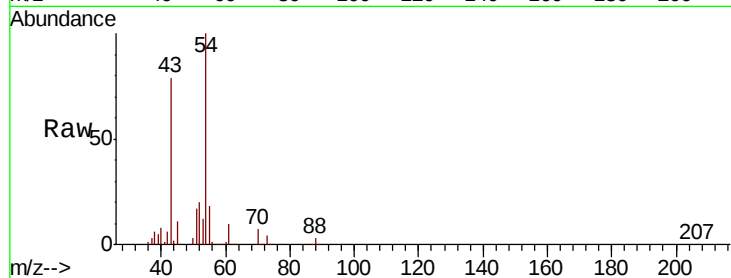




#37
Ethyl Acetate
Concen: 185.035 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

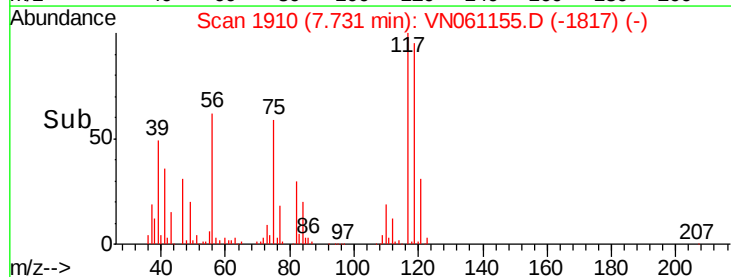
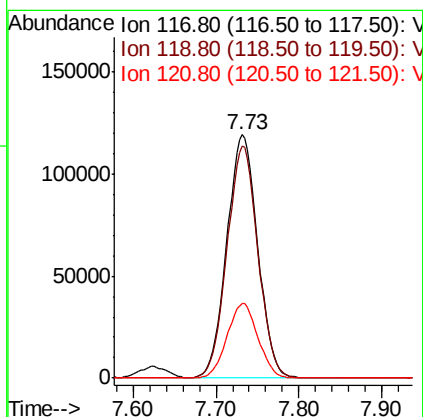
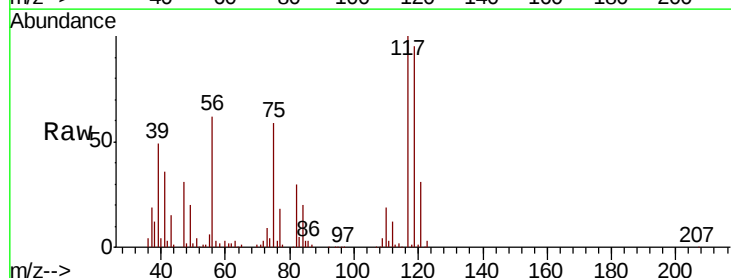
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

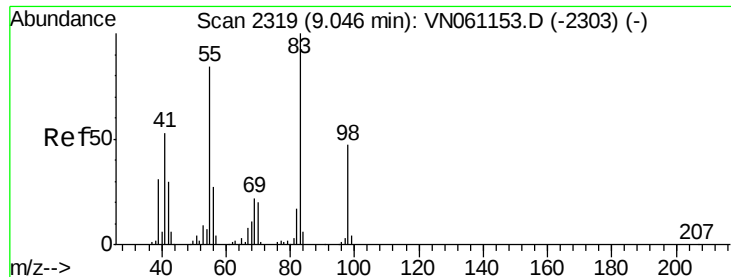
Tot Ion: 43 Resp: 403367
Ion Ratio Lower Upper
43 100
61 12.9 10.2 15.2
70 9.3 7.2 10.8



#38
Carbon Tetrachloride
Concen: 166.896 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion: 117 Resp: 307622
Ion Ratio Lower Upper
117 100
119 95.4 75.8 113.6
121 30.7 24.7 37.1

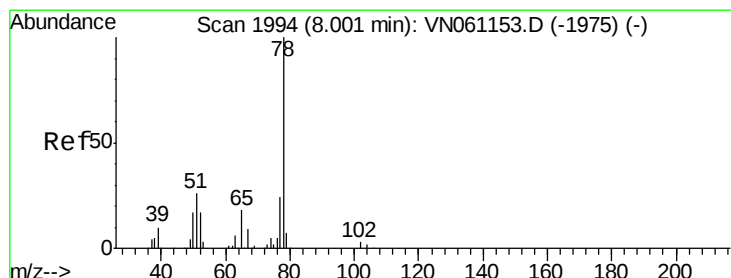
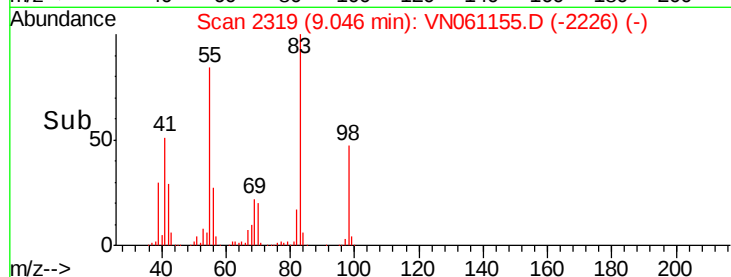
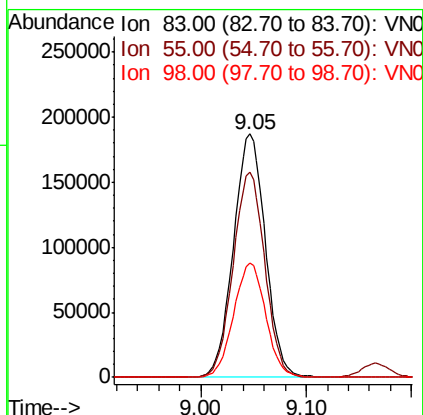
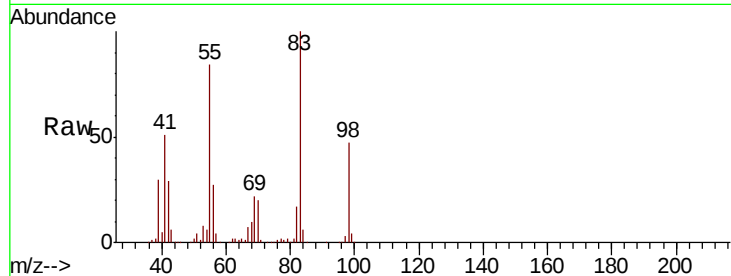




#39
Methvlcvclohexane
Concen: 153.435 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

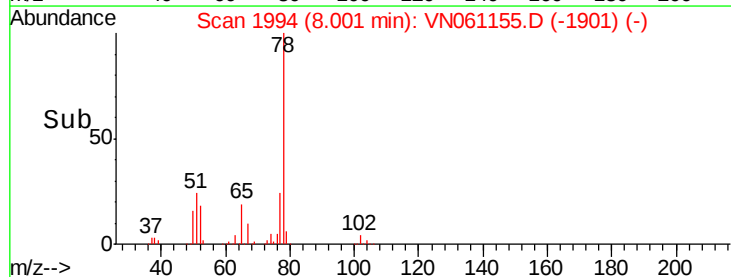
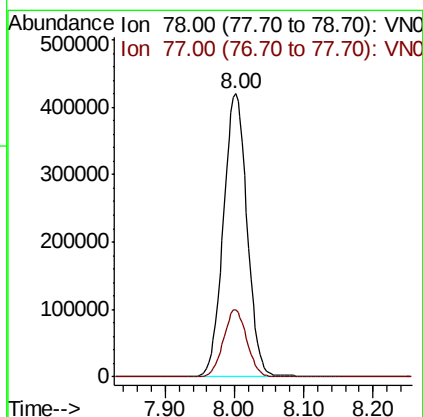
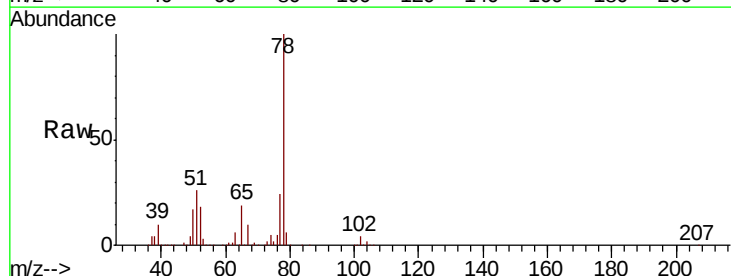
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 392455
Ion Ratio Lower Upper
83 100
55 84.2 67.3 100.9
98 46.9 37.7 56.5



#40
Benzene
Concen: 160.131 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion: 78 Resp: 1004499
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

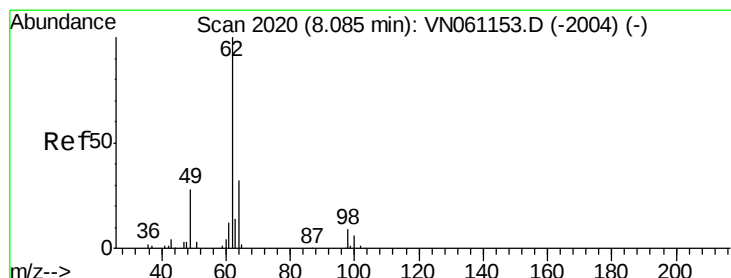
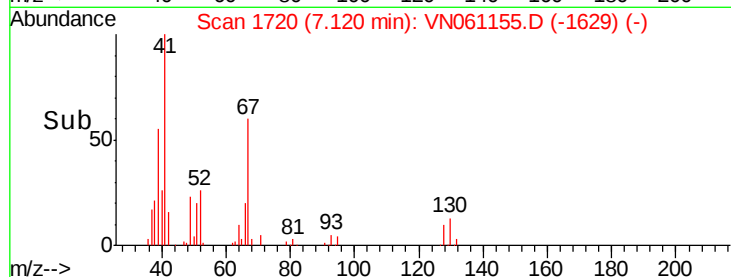
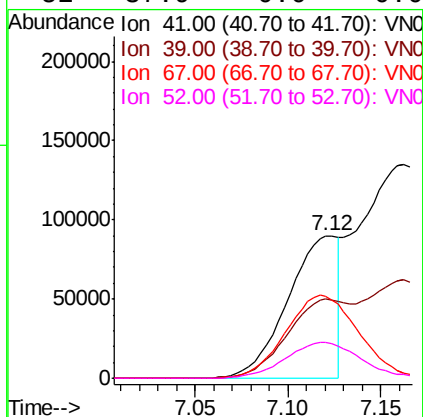
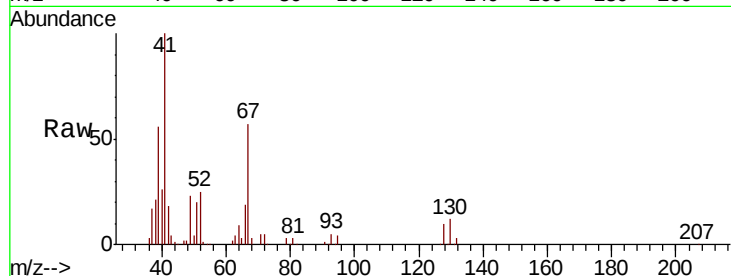




#41
Methacrylonitrile
Concen: 170.217 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

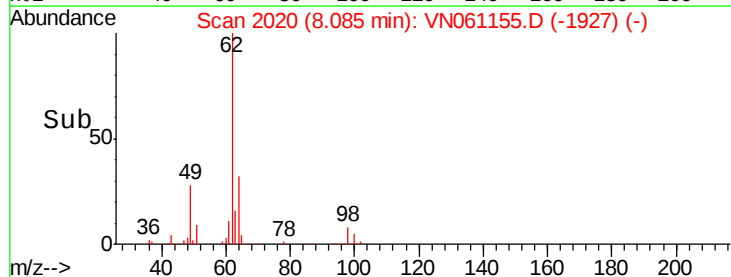
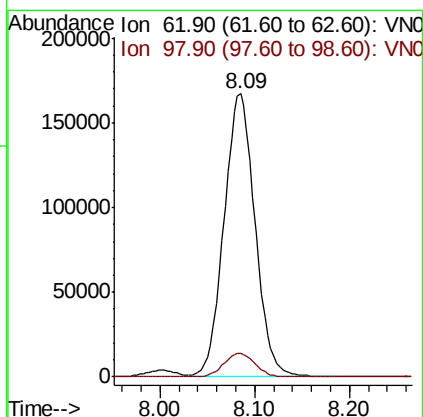
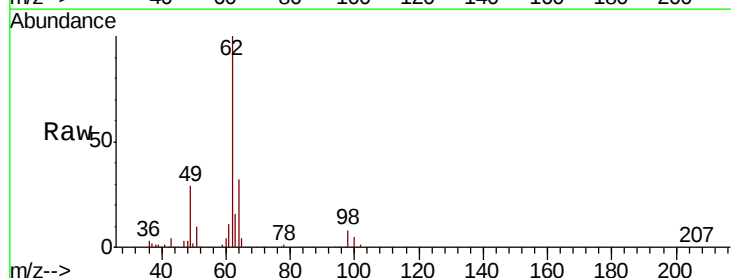
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

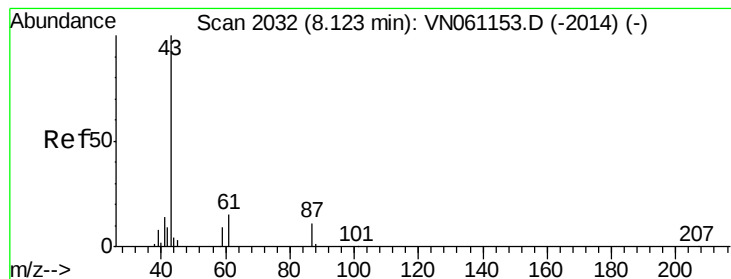
Tot Ion:	41	Resp:	169990
Ion	Ratio	Lower	Upper
41	100		
39	66.7	0.0	0.0#
67	85.4	0.0	0.0#
52	37.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 167.103 ug/l
RT: 8.09 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion:	62	Resp:	378904
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 185.490 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

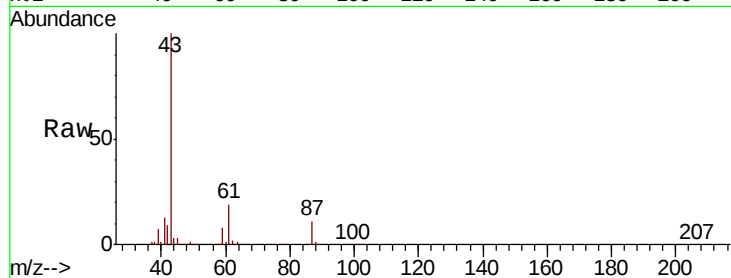
Tot Ion: 43 Resp: 684741

Ion Ratio Lower Upper

43 100

61 24.1 19.5 29.3

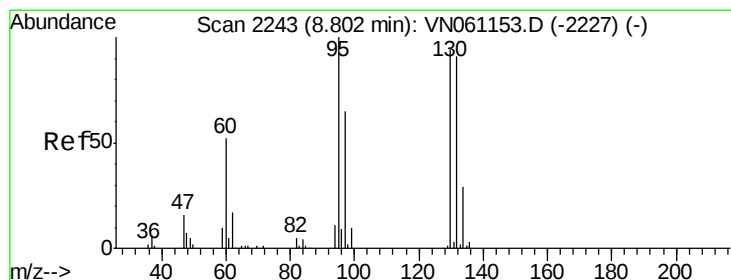
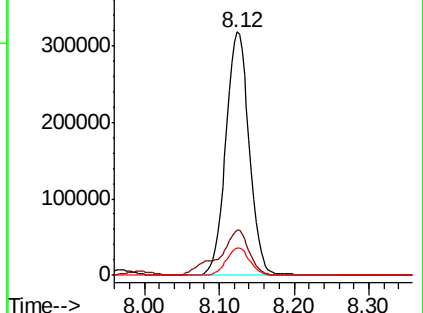
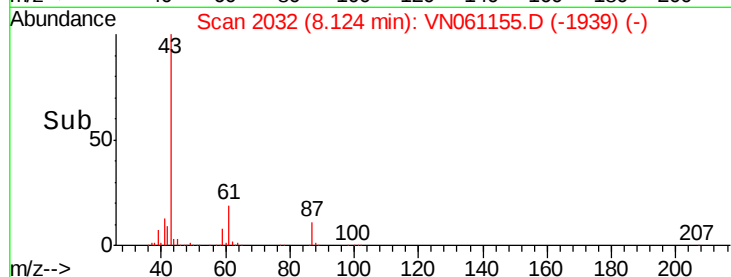
87 11.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061155.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061155.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061155.D (-2014) (-)



#44

Trichloroethene

Concen: 143.270 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061155.D

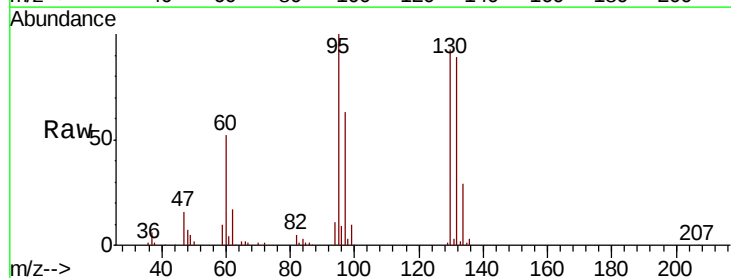
Acq: 27 Apr 2020 17:58

Tgt Ion:130 Resp: 258386

Ion Ratio Lower Upper

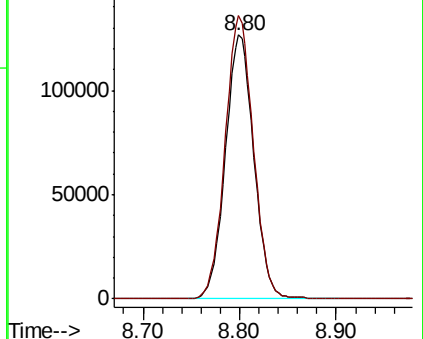
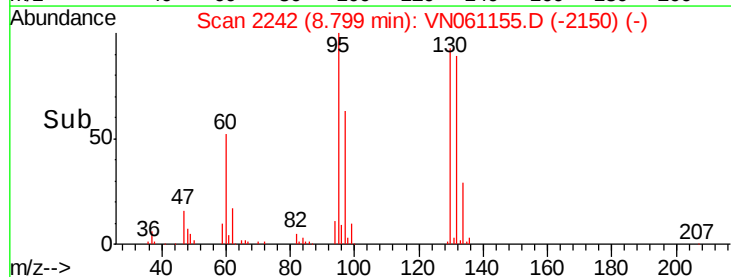
130 100

95 107.3 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061155.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061155.D (-2227) (-)





#45

1,2-Dichloropropane

Concen: 160.381 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

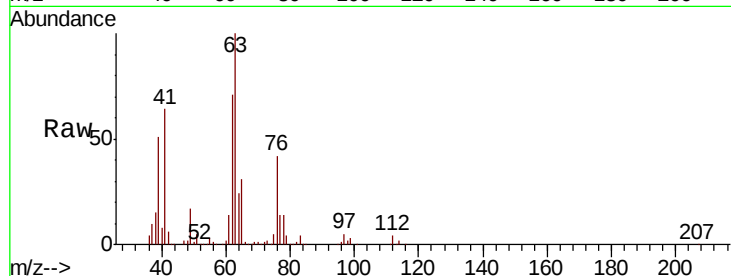
VSTDIC150

Tot Ion: 63 Resp: 267463

Ion Ratio Lower Upper

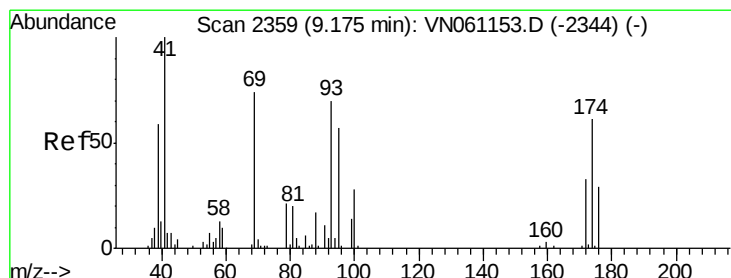
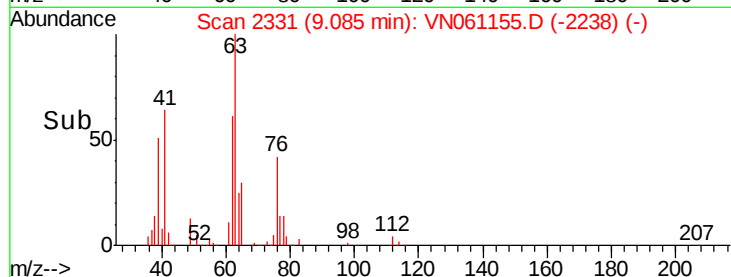
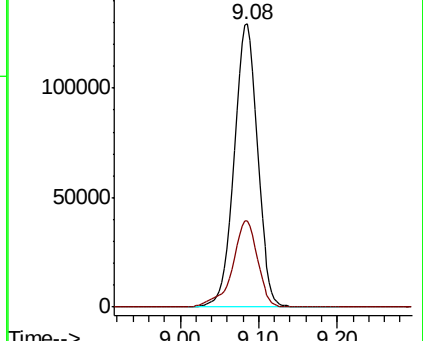
63 100

65 30.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061155.D (-2310) (-)

Ion 64.90 (64.60 to 65.60): VN061155.D (-2310) (-)



#46

Dibromomethane

Concen: 161.338 ug/l

RT: 9.18 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

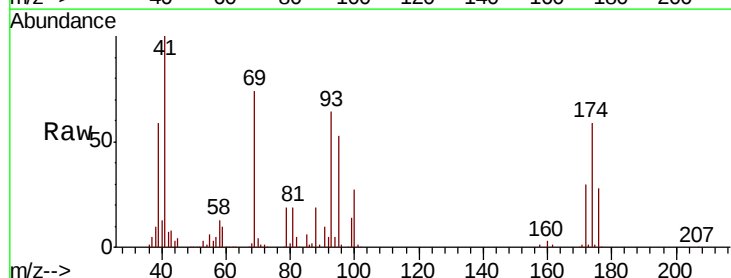
Tgt Ion: 93 Resp: 171449

Ion Ratio Lower Upper

93 100

95 82.6 66.6 99.8

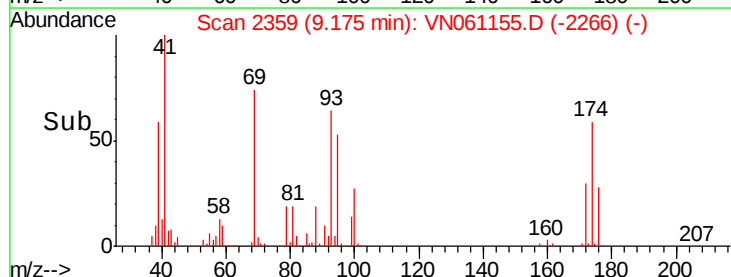
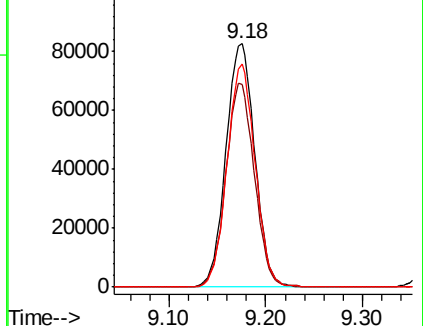
174 89.4 70.2 105.2

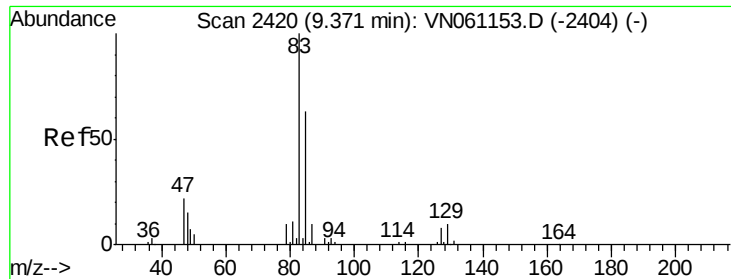


Abundance Ion 92.80 (92.50 to 93.50): VN061155.D (-2359) (-)

Ion 94.80 (94.50 to 95.50): VN061155.D (-2359) (-)

Ion 173.70 (173.40 to 174.40): VN061155.D (-2359) (-)





#47

Bromodichloromethane

Concen: 174.014 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

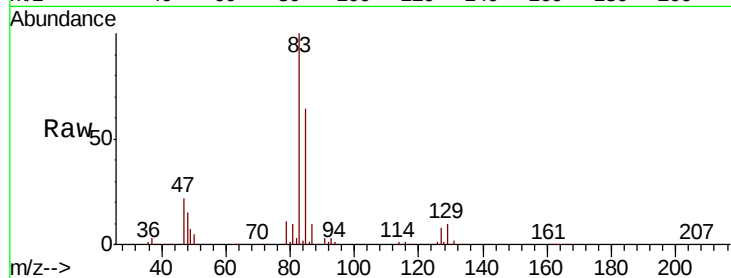
Tot Ion: 83 Resp: 367759

Ion Ratio Lower Upper

83 100

85 63.8 50.4 75.6

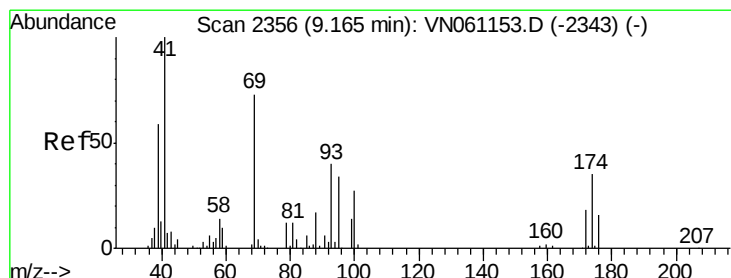
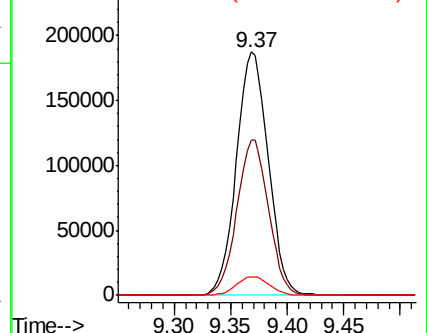
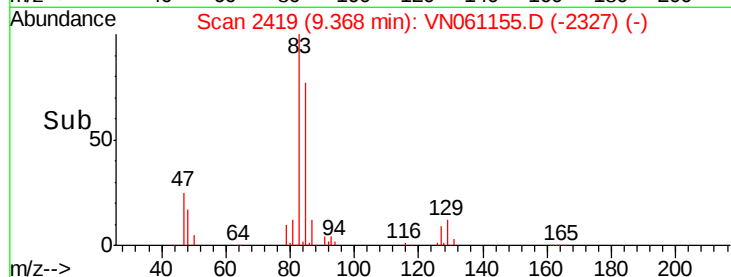
127 7.8 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061155.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061155.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061155.D (-2404) (-)



#48

Methyl methacrylate

Concen: 186.595 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

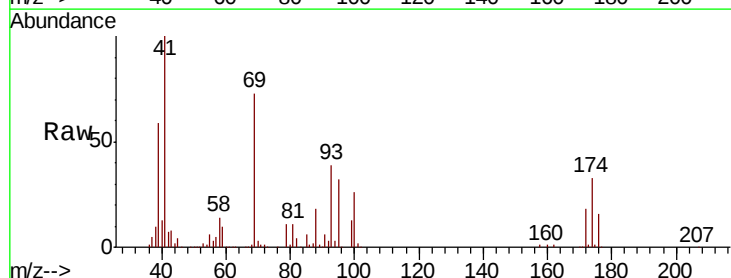
Tgt Ion: 41 Resp: 322847

Ion Ratio Lower Upper

41 100

69 75.2 60.3 90.5

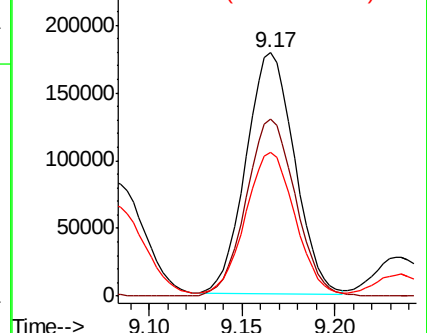
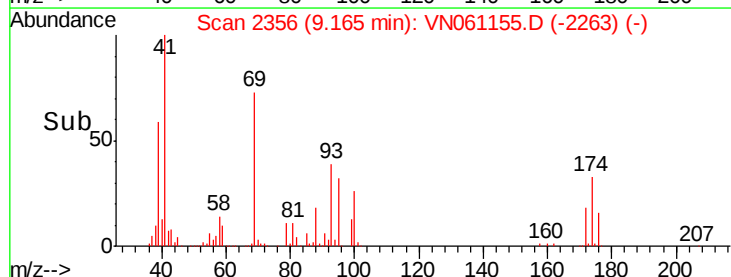
39 61.3 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VN061155.D (-2343) (-)

Ion 69.00 (68.70 to 69.70): VN061155.D (-2343) (-)

Ion 39.00 (38.70 to 39.70): VN061155.D (-2343) (-)

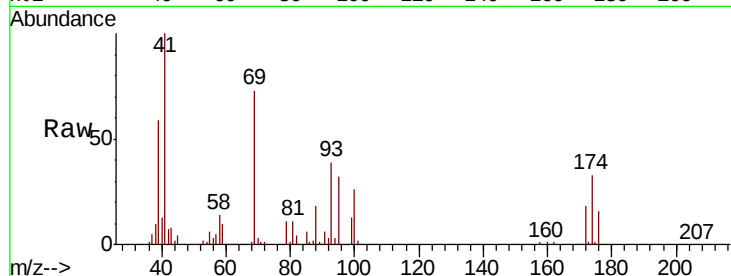




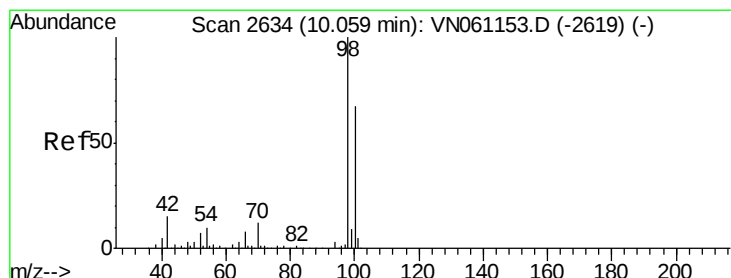
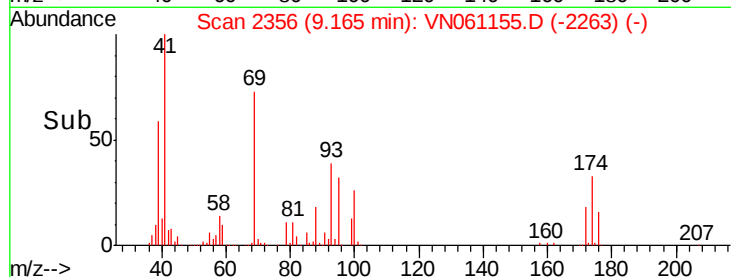
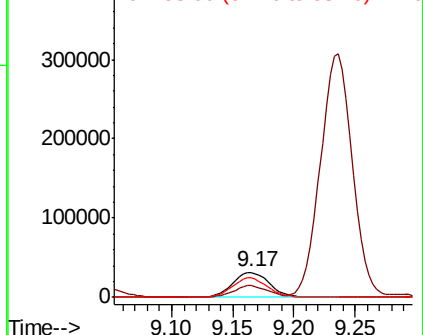
#49
 1,4-Dioxane
 Concen: 2608.815 ug/l
 RT: 9.17 min Scan# 2356
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 88 Resp: 66044
 Ion Ratio Lower Upper
 88 100
 43 42.4 35.3 52.9
 58 75.0 61.5 92.3

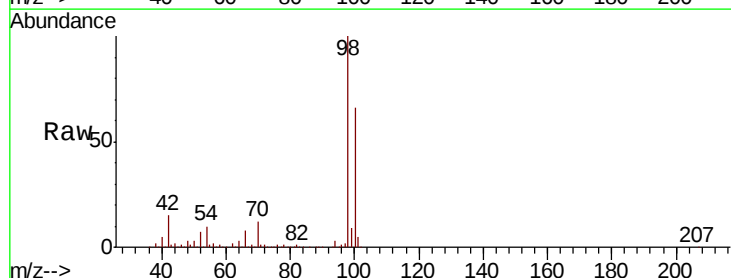


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

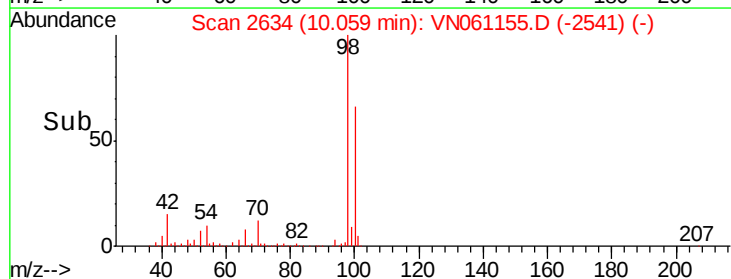
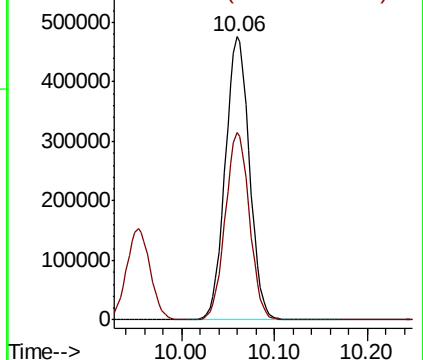


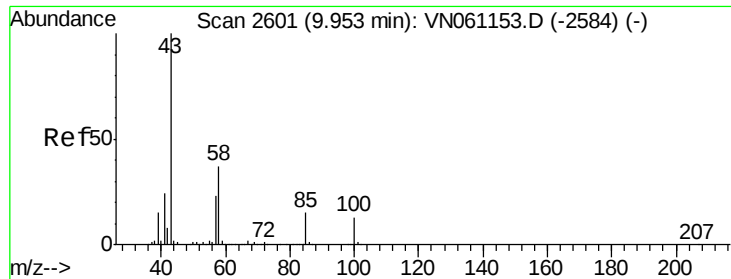
#50
 Toluene-d8
 Concen: 163.283 ug/l
 RT: 10.06 min Scan# 2634
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion: 98 Resp: 860523
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.4 80.0



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: 941.393 ug/l

RT: 9.95 min Scan# 2601

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampled :

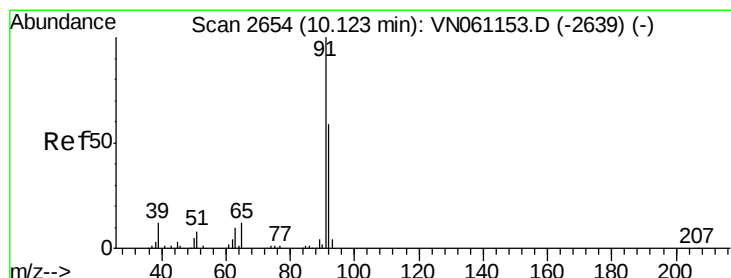
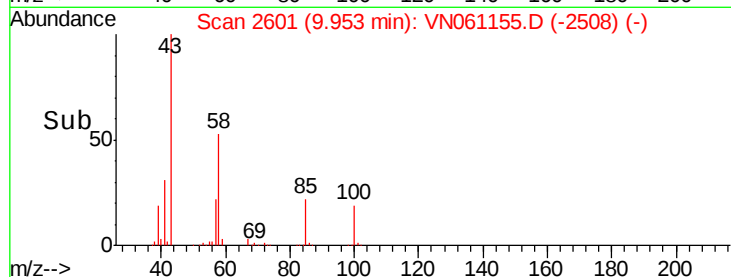
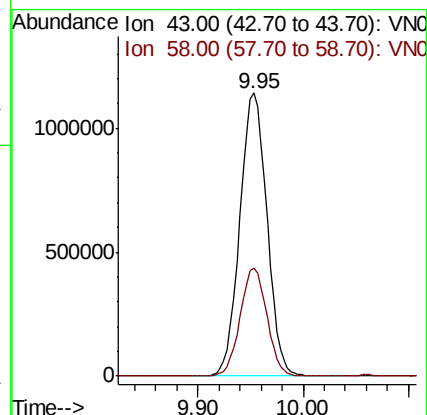
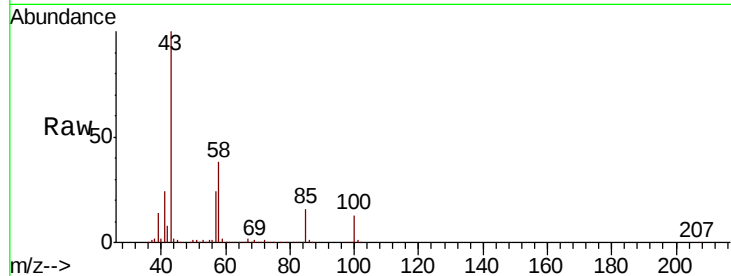
VSTDIC150

Tot Ion: 43 Resp: 203535

Ion Ratio Lower Upper

43 100

58 37.7 29.1 43.7



#52

Toluene

Concen: 160.522 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061155.D

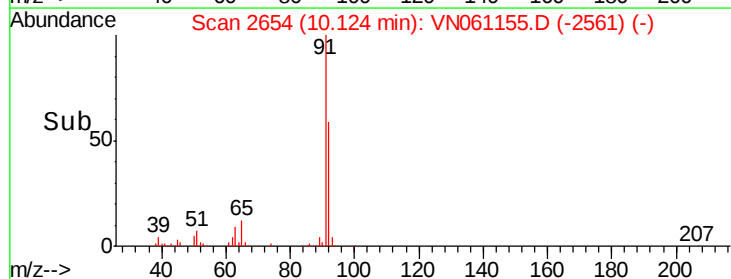
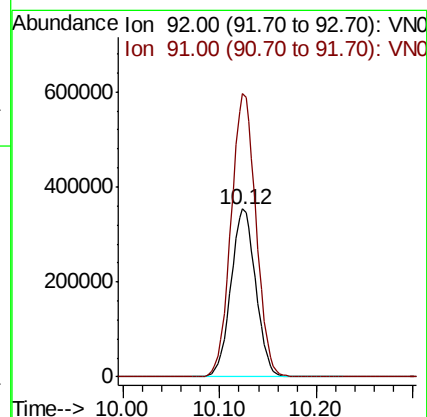
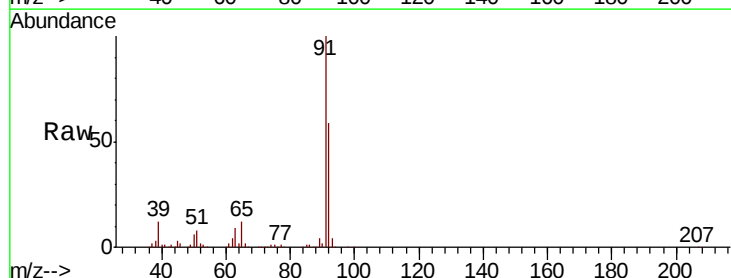
Acq: 27 Apr 2020 17:58

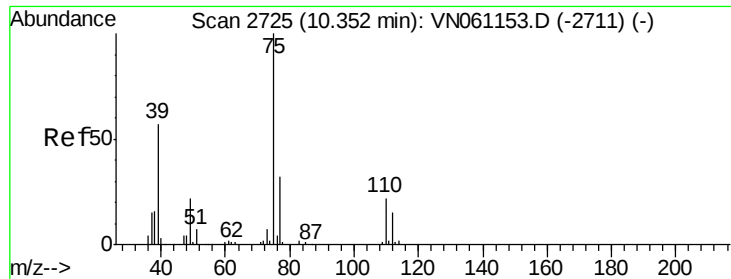
Tgt Ion: 92 Resp: 629276

Ion Ratio Lower Upper

92 100

91 169.9 136.2 204.2

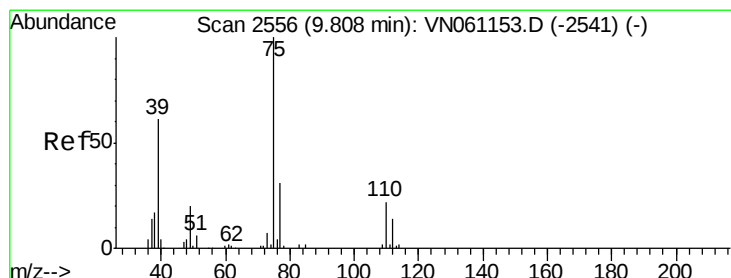
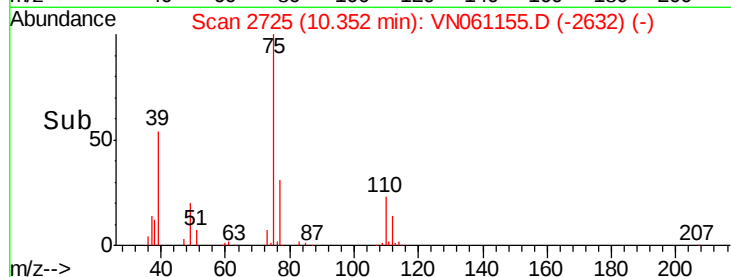
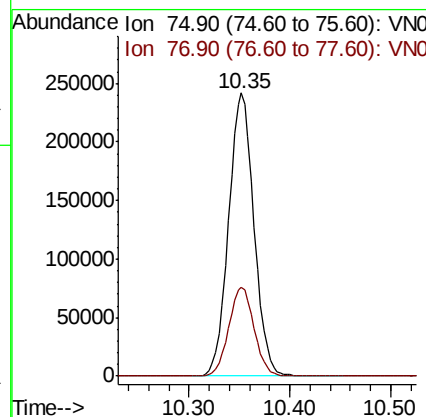
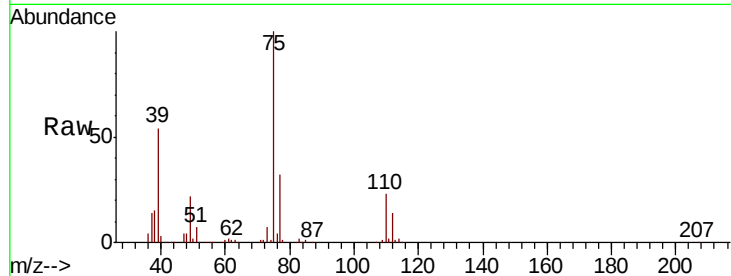




#53
 t-1,3-Dichloropropene
 Concen: 165.332 ug/l
 RT: 10.35 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

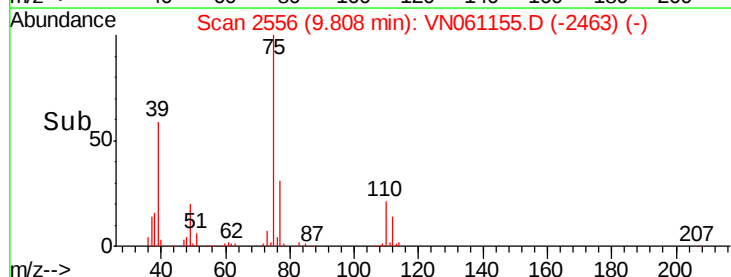
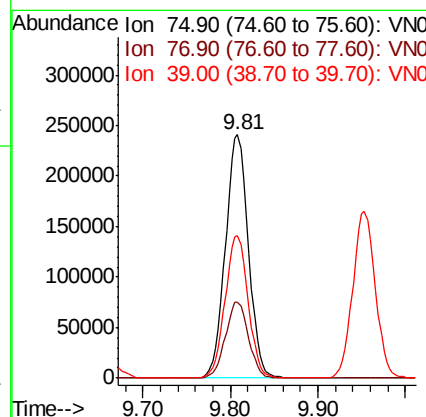
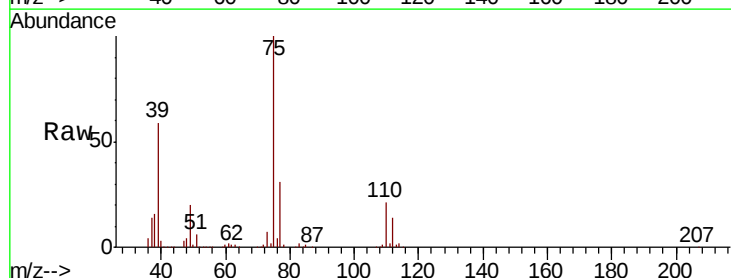
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 75 Resp: 423989
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 165.160 ug/l
 RT: 9.81 min Scan# 2556
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion: 75 Resp: 439392
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.4
 39 58.5 48.7 73.1





#55

1,1,2-Trichloroethane

Concen: 160.622 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 242763

Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.6	106.0
85	56.2	46.4	69.6
99	61.6	50.6	75.8

Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

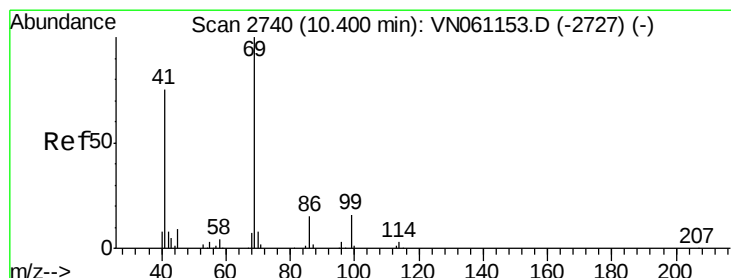
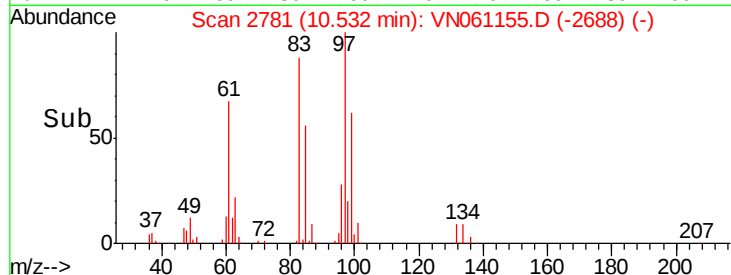
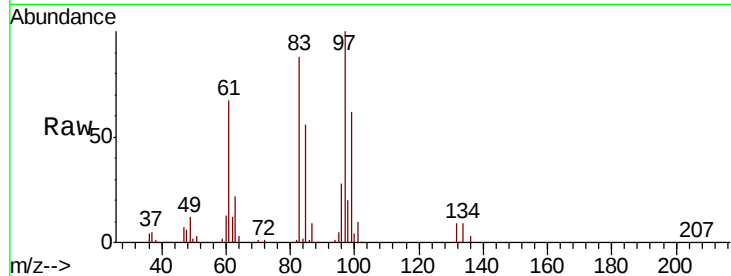
100000

50000

0

10.45 10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 182.967 ug/l

RT: 10.40 min Scan# 2740

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Tgt Ion: 69 Resp: 423536

Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.3	90.5
39	42.7	35.9	53.9

Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

300000

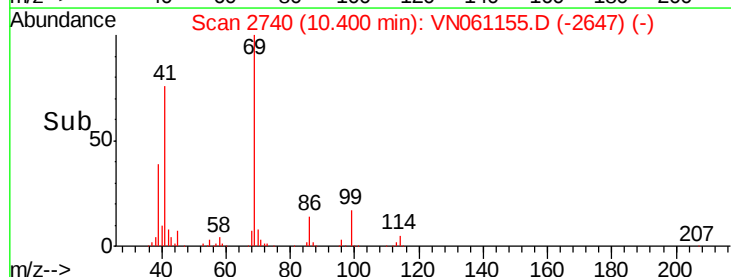
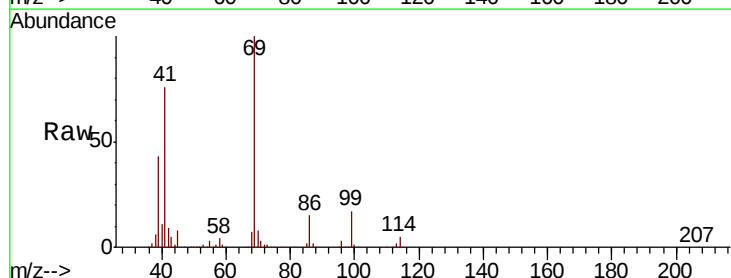
200000

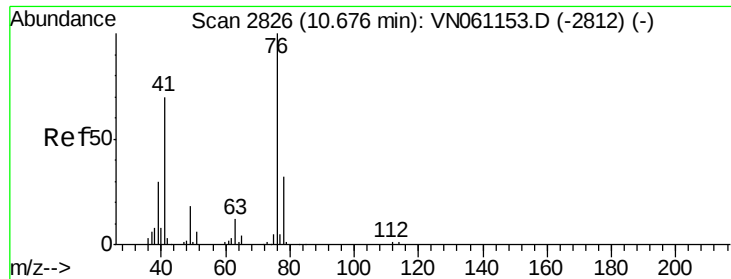
100000

0

10.30 10.40 10.50

Time-->

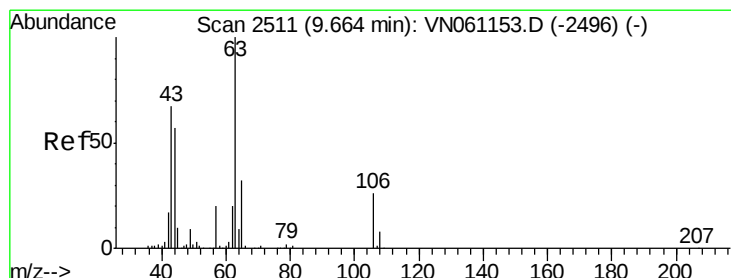
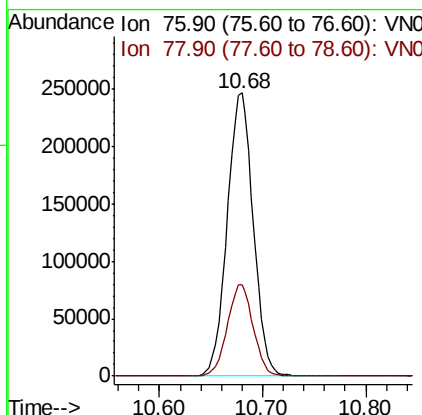
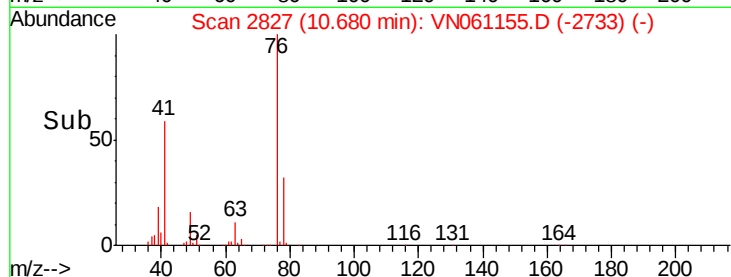
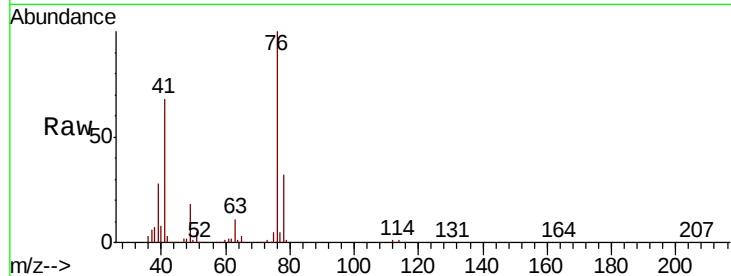




#57
 1,3-Dichloropropane
 Concen: 167.285 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

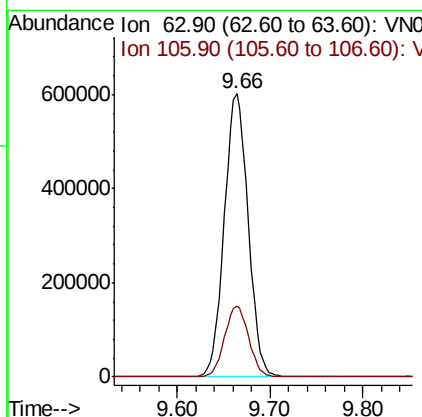
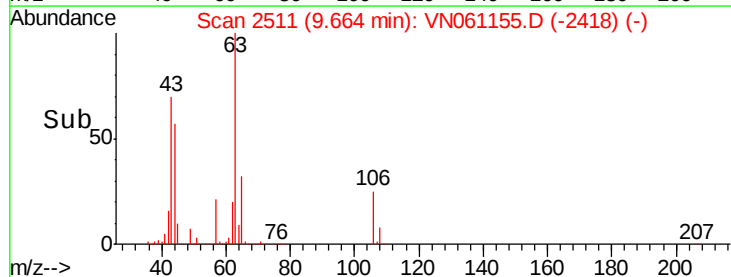
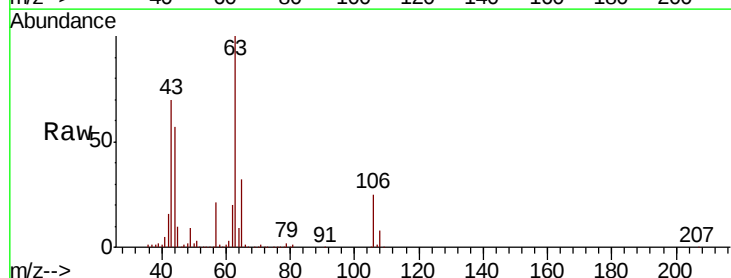
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

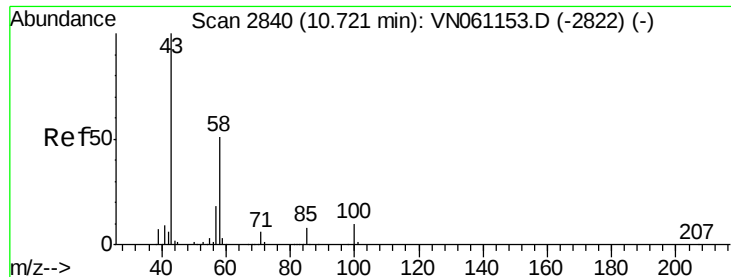
Tot Ion: 76 Resp: 433883
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 899.025 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion: 63 Resp: 1073572
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.6 30.8

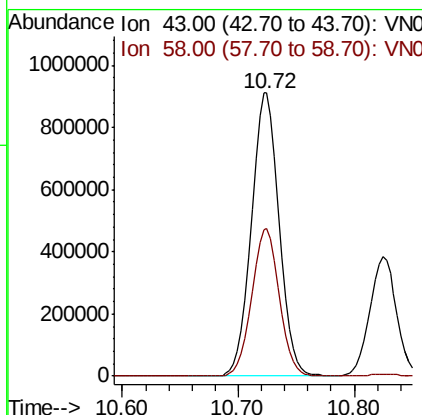
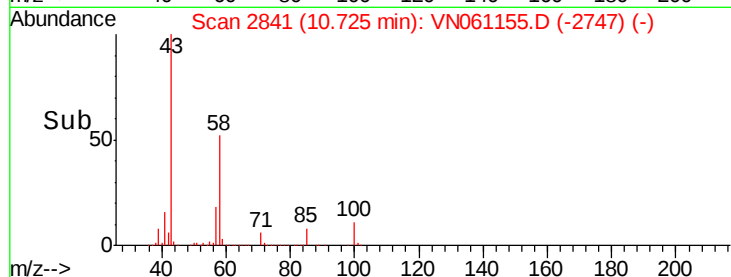
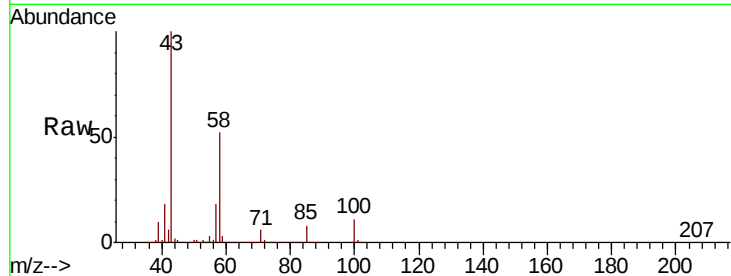




#59
2-Hexanone
Concen: 953.213 ug/l
RT: 10.72 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

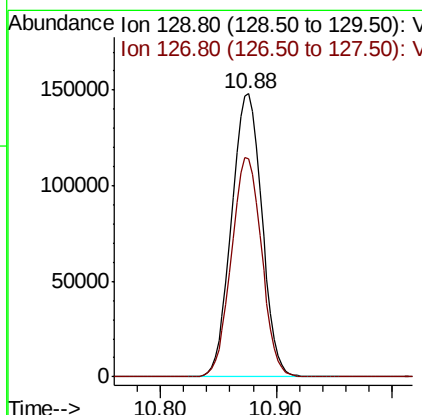
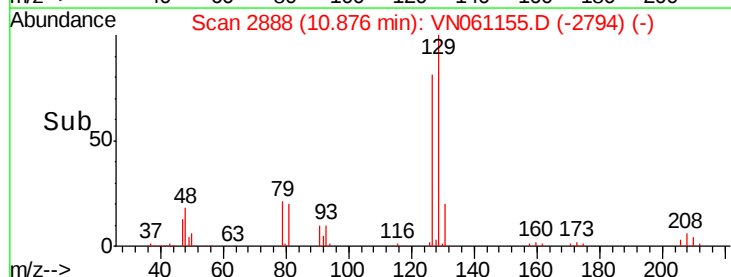
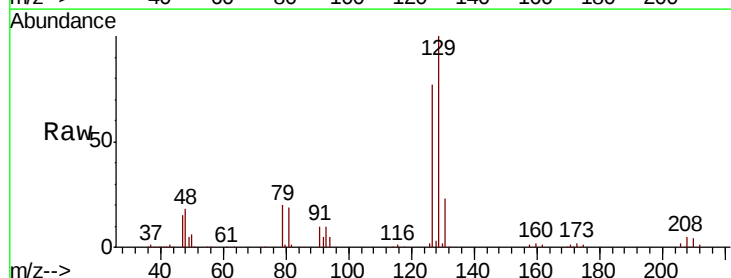
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

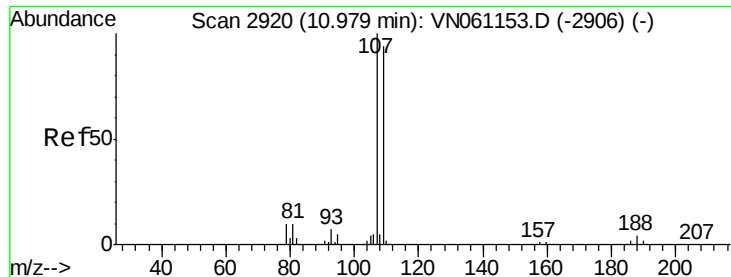
Tot Ion: 43 Resp: 1520891
Ion Ratio Lower Upper
43 100
58 51.9 25.4 76.4



#60
Dibromochloromethane
Concen: 170.234 ug/l
RT: 10.88 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion: 129 Resp: 268955
Ion Ratio Lower Upper
129 100
127 77.0 39.3 117.8

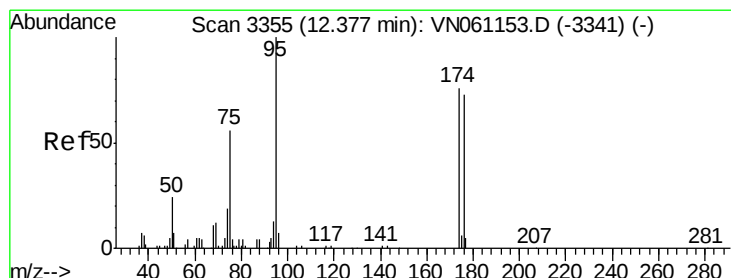
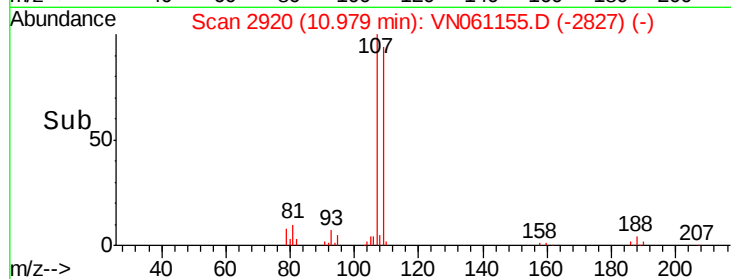
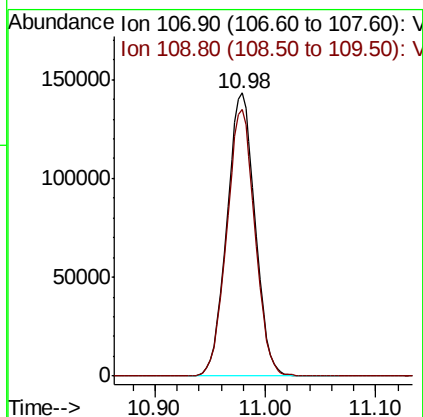
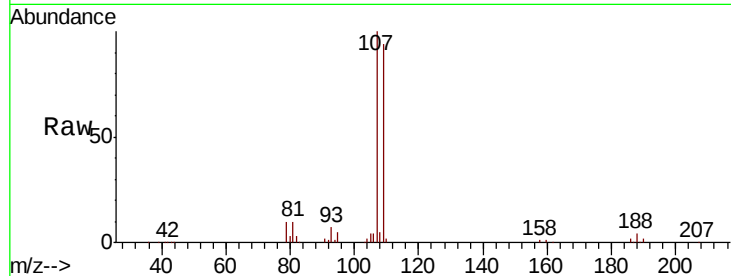




#61
 1,2-Dibromoethane
 Concen: 162.932 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

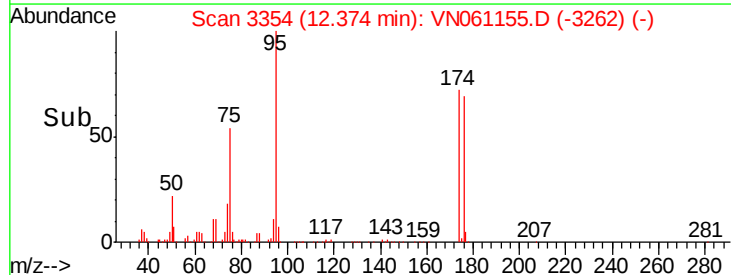
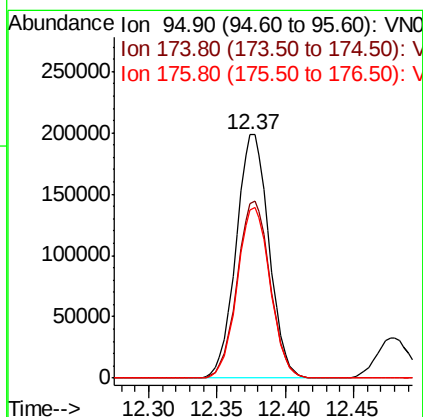
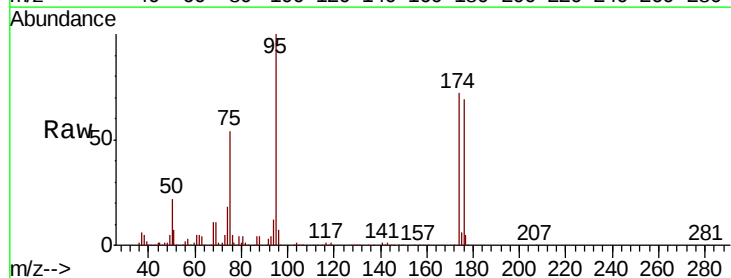
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

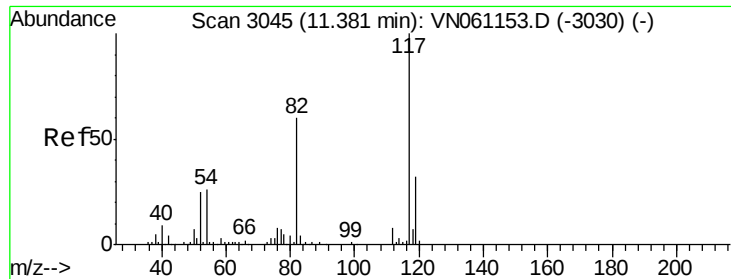
Tot Ion:107 Resp: 253301
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 168.503 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion: 95 Resp: 332733
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 149.4
 176 70.0 0.0 144.8

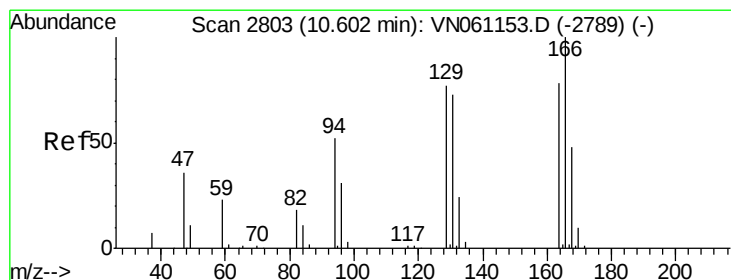
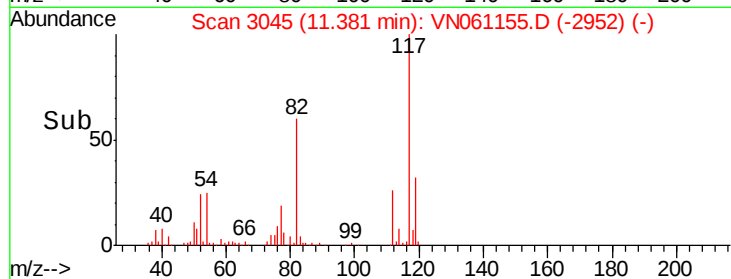
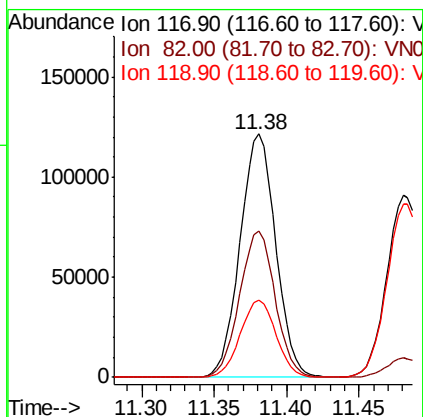
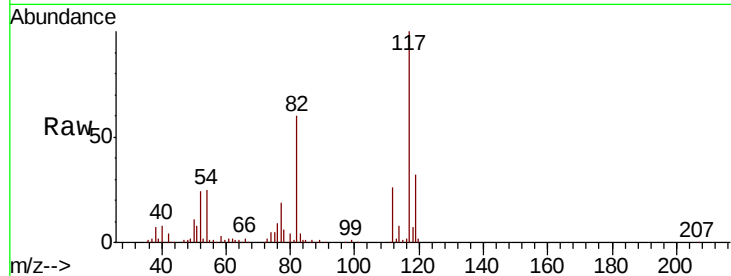




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

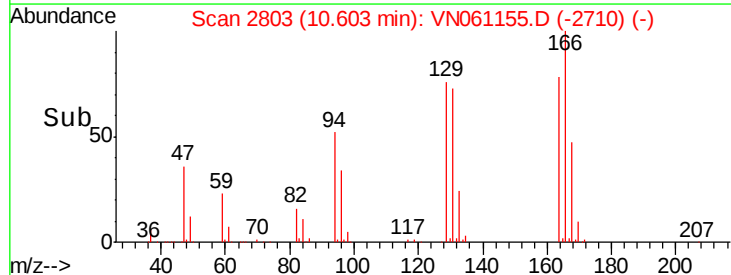
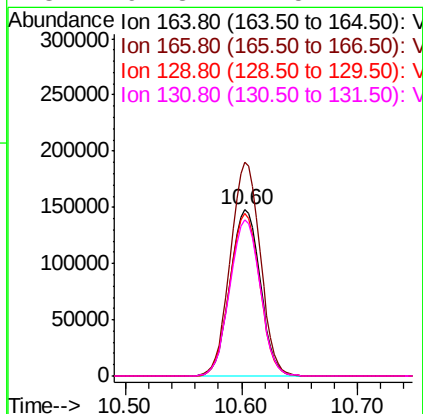
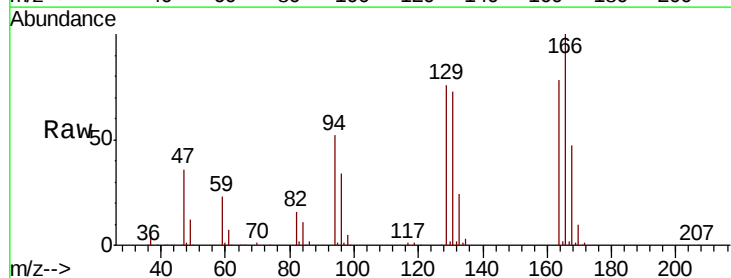
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

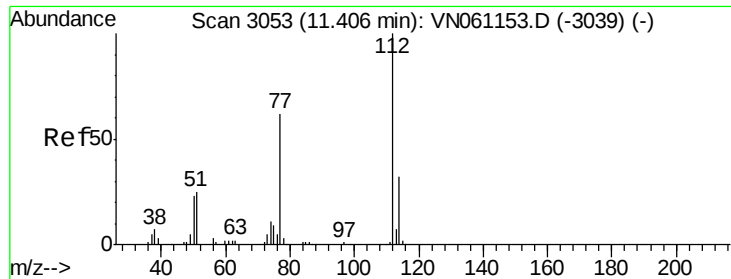
Tot Ion:117 Resp: 208474
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 127.853 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion:164 Resp: 265716
Ion Ratio Lower Upper
164 100
166 128.5 102.0 153.0
129 98.1 78.2 117.2
131 94.3 74.5 111.7

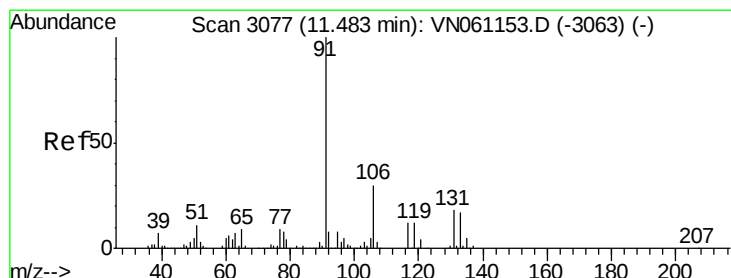
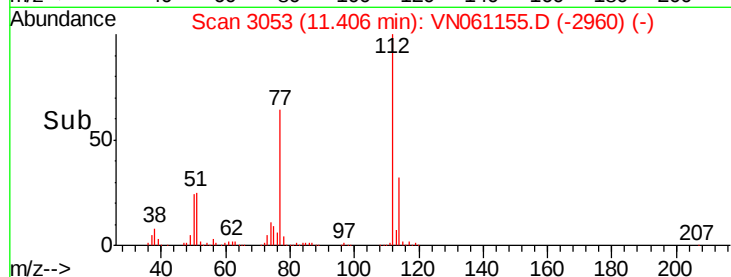
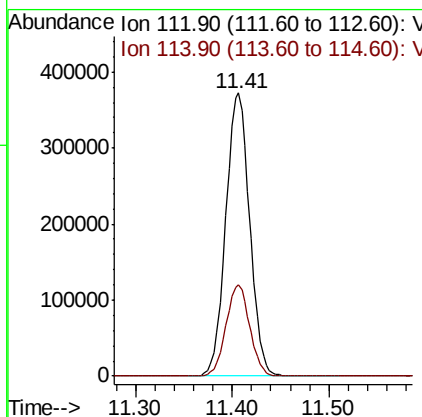
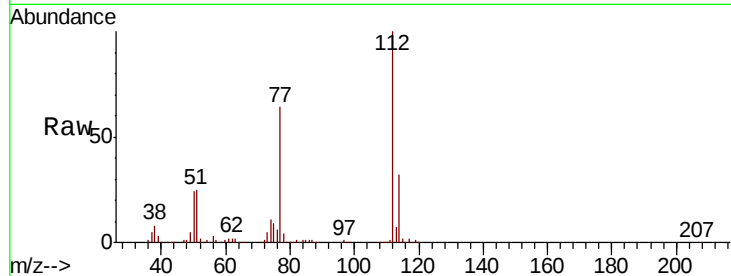




#65
Chlorobenzene
Concen: 151.466 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

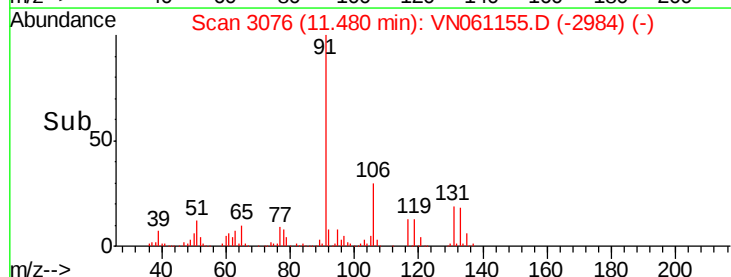
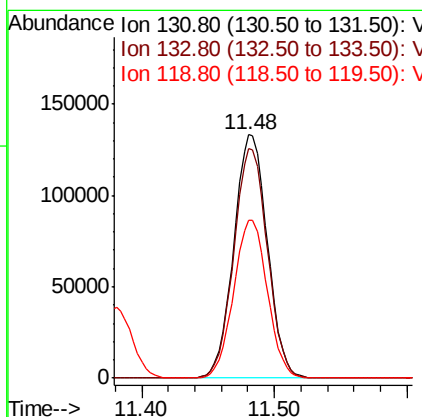
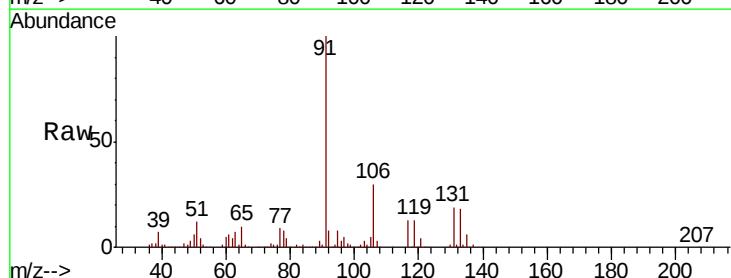
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 636909
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 157.053 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion:131 Resp: 234179
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 65.1 32.6 97.8





#67

Ethyl Benzene

Concen: 155.858 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampled :

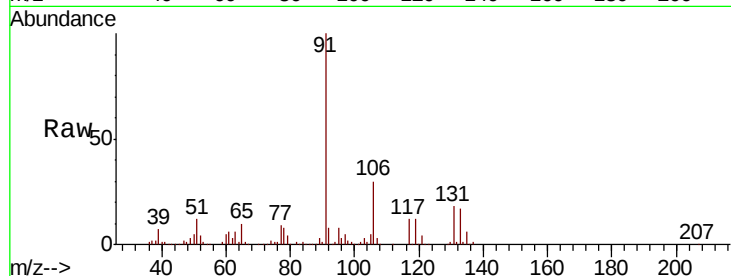
VSTDIC150

Tot Ion: 91 Resp: 1225202

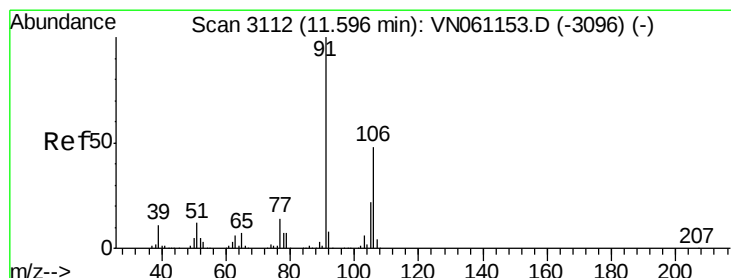
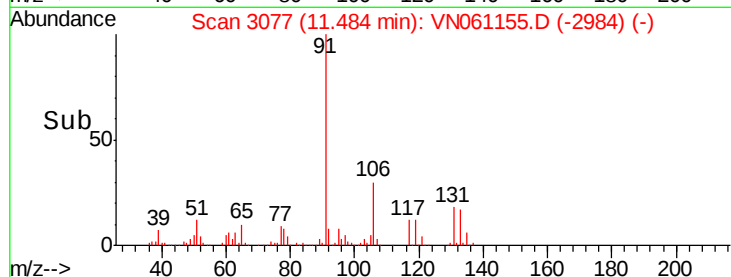
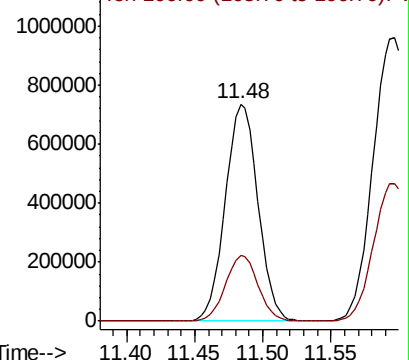
Ion Ratio Lower Upper

91 100

106 30.2 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN061155.D (-3063) (-)



#68

m/p-Xylenes

Concen: 309.213 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061155.D

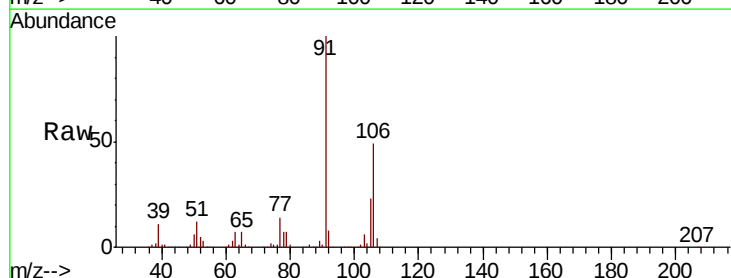
Acq: 27 Apr 2020 17:58

Tgt Ion:106 Resp: 905119

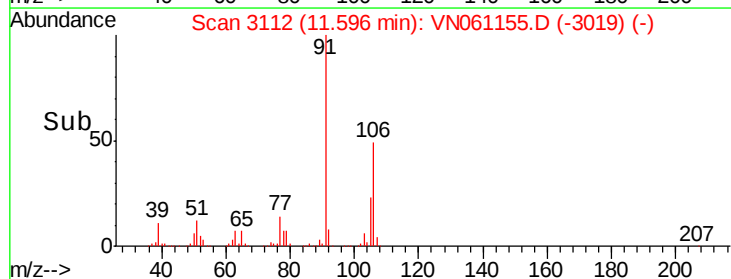
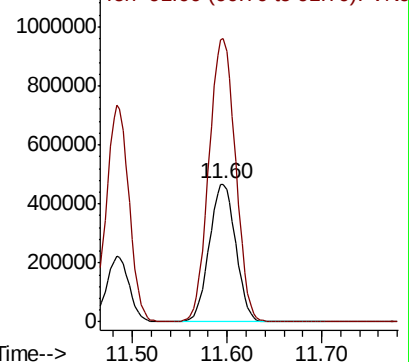
Ion Ratio Lower Upper

106 100

91 207.1 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061155.D (-3096) (-)

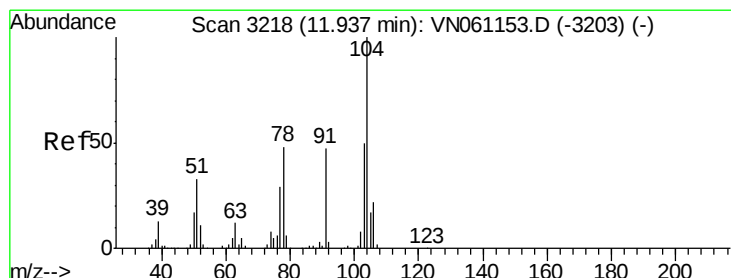
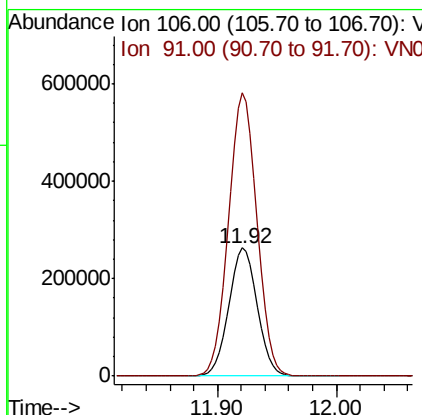
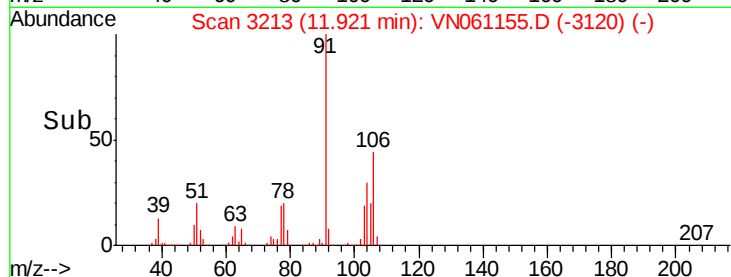
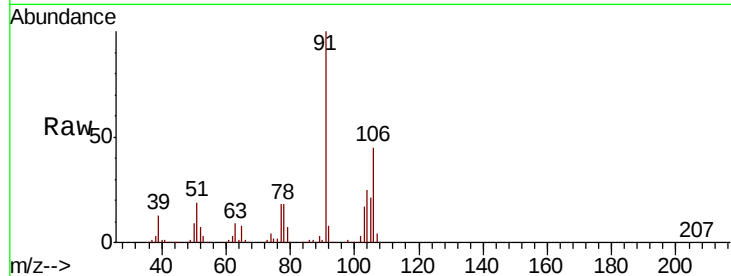




#69
o-Xylene
Concen: 153.868 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

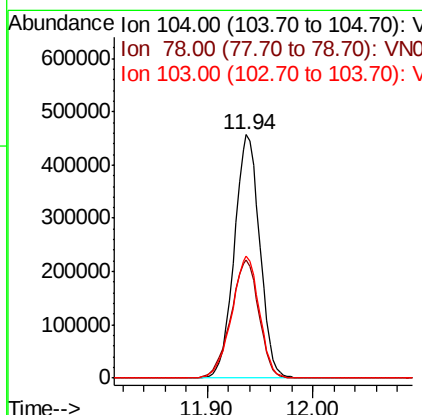
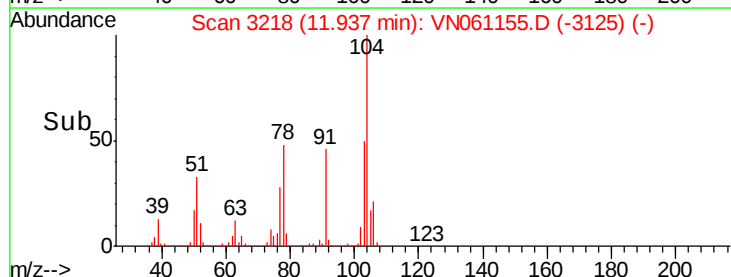
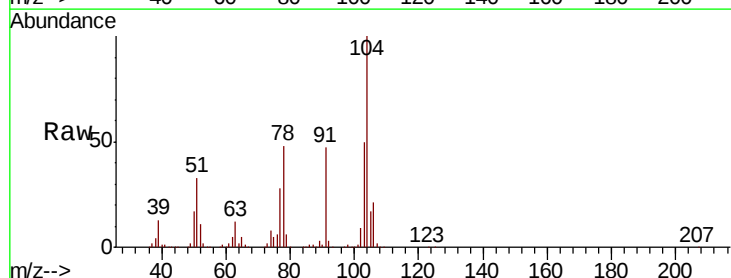
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

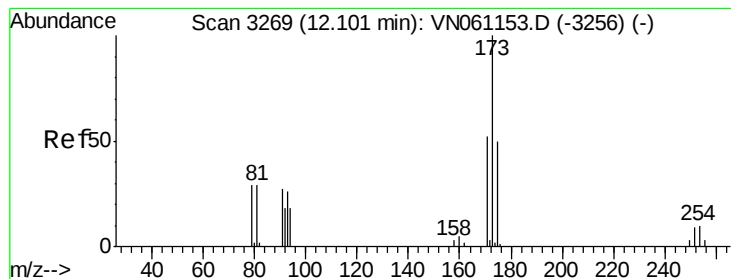
Tot Ion:106 Resp: 434611
Ion Ratio Lower Upper
106 100
91 220.9 109.7 329.0



#70
Styrene
Concen: 166.109 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion:104 Resp: 762557
Ion Ratio Lower Upper
104 100
78 53.2 42.1 63.1
103 54.1 43.3 64.9





#71

Bromoform

Concen: 167.333 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

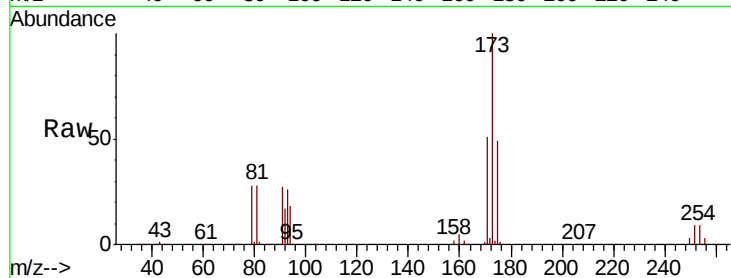
Tot Ion:173 Resp: 187115

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.4

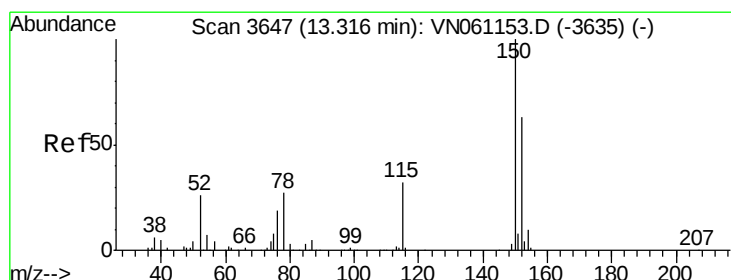
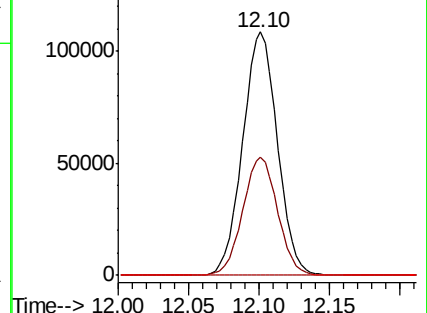
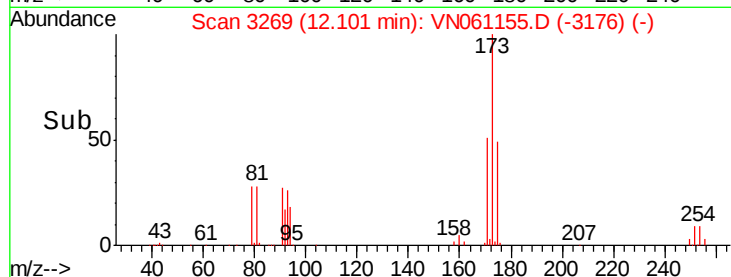
254 0.0 0.0 0.0#



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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

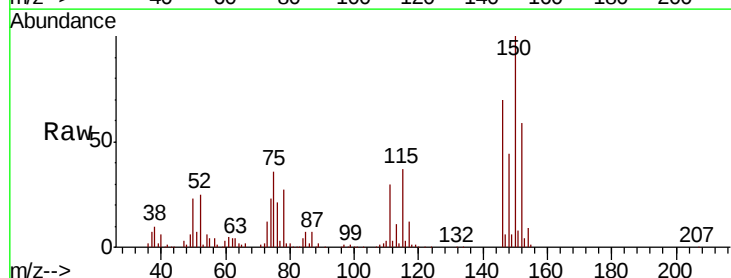
Tgt Ion:152 Resp: 101536

Ion Ratio Lower Upper

152 100

115 62.2 31.0 93.0

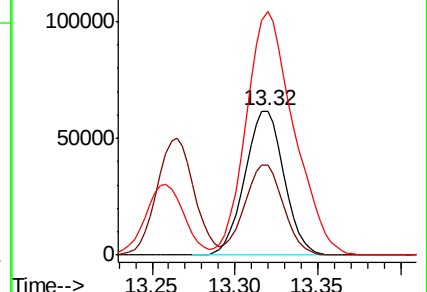
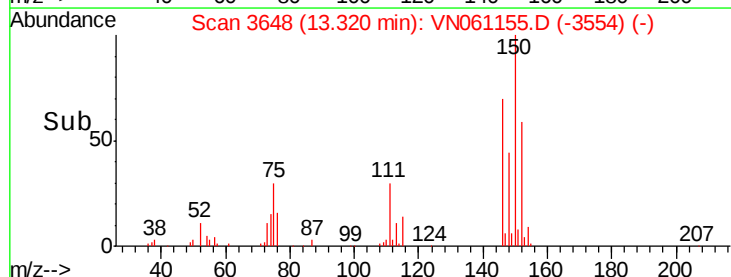
150 205.6 0.0 351.8

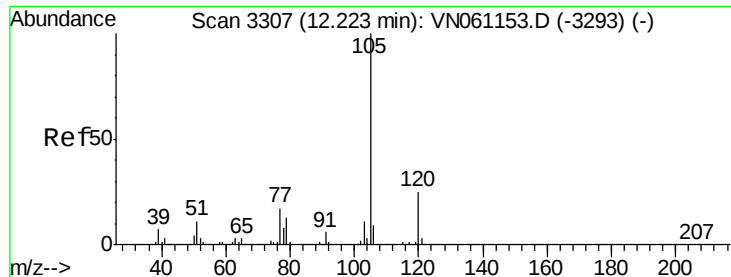


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 154.912 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

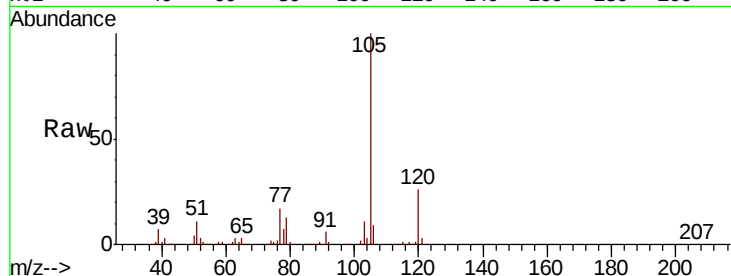
VSTDIC150

Tot Ion:105 Resp: 1182221

Ion Ratio Lower Upper

105 100

120 25.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

800000

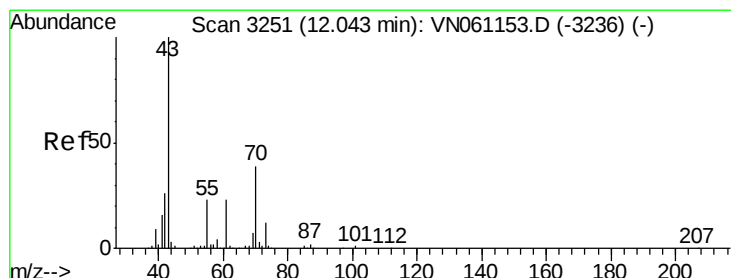
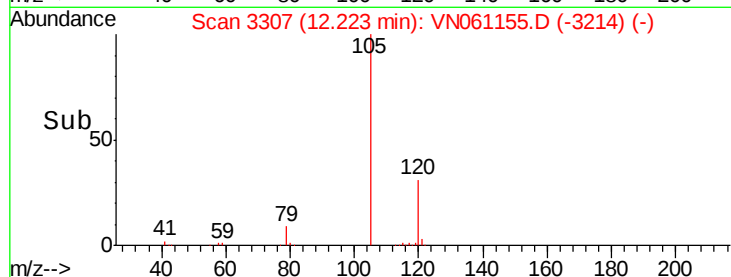
600000

400000

200000

0

Time--> 12.10 12.20 12.30



#74

N-ethyl acetate

Concen: 181.499 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Tgt Ion: 43 Resp: 635206

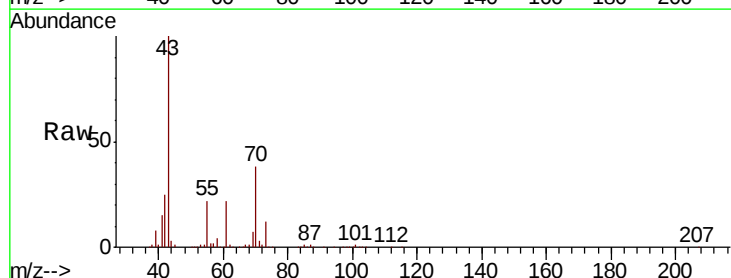
Ion Ratio Lower Upper

43 100

70 38.3 30.6 46.0

55 22.4 18.5 27.7

61 22.4 17.9 26.9



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

600000

500000

400000

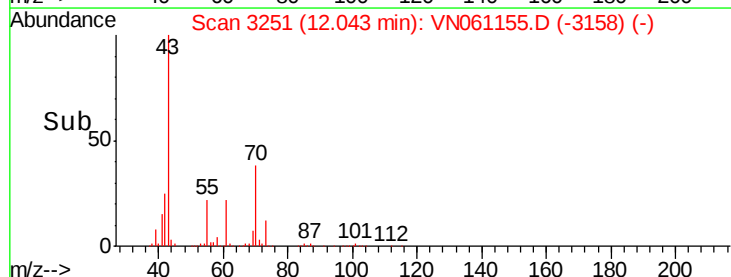
300000

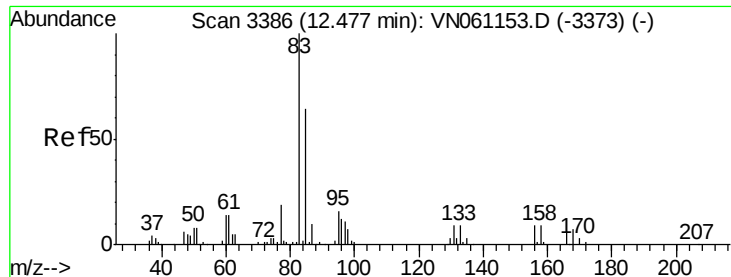
200000

100000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 167.084 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

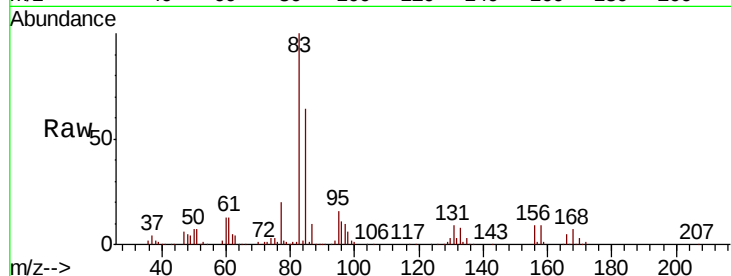
Tot Ion: 83 Resp: 349755

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

85 64.1 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN061155.D (-3373) (-)

Ion 130.80 (130.50 to 131.50): VN061155.D (-3373) (-)

Ion 84.90 (84.60 to 85.60): VN061155.D (-3373) (-)

12.48

250000

200000

150000

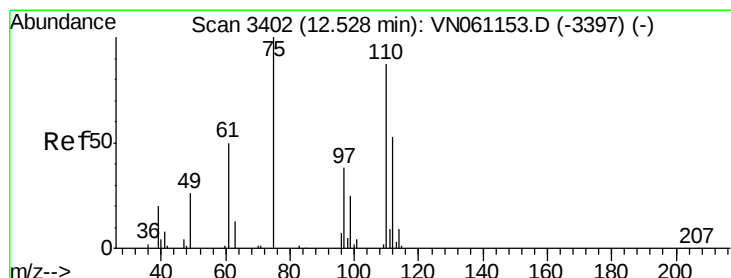
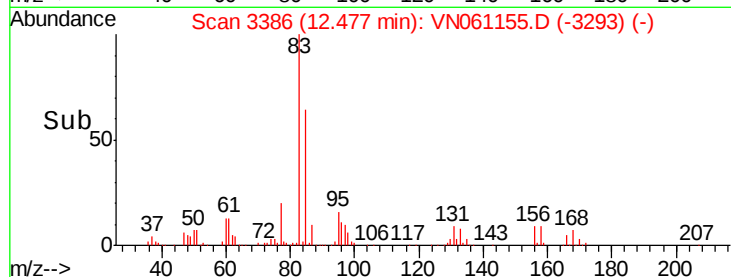
100000

50000

0

Time-->

12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 219.883 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061155.D

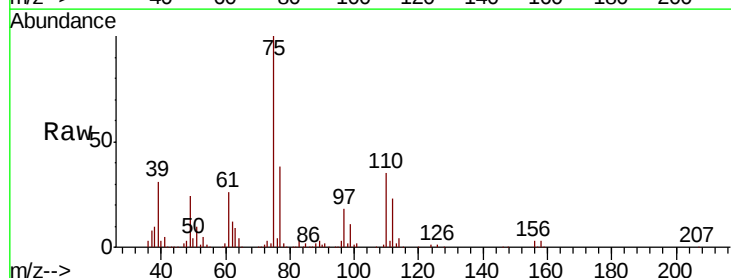
Acq: 27 Apr 2020 17:58

Tgt Ion: 75 Resp: 505263

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061155.D (-3397) (-)

Ion 77.00 (76.70 to 77.70): VN061155.D (-3397) (-)

300000

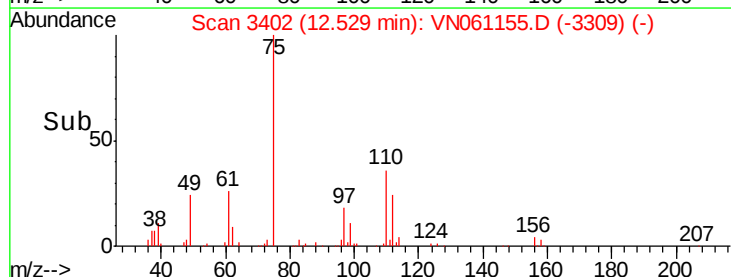
200000

100000

0

Time-->

12.40 12.50 12.60





#77

Bromobenzene

Concen: 146.566 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

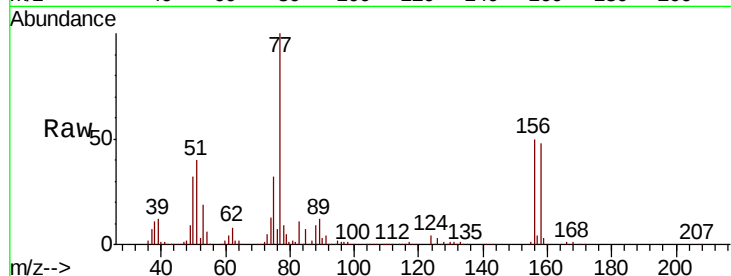
Tot Ion:156 Resp: 269867

Ion Ratio Lower Upper

156 100

77 238.3 117.4 352.2

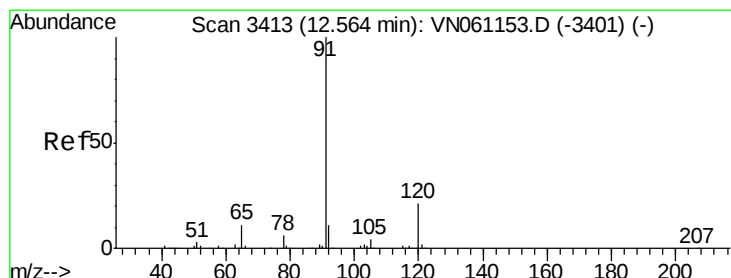
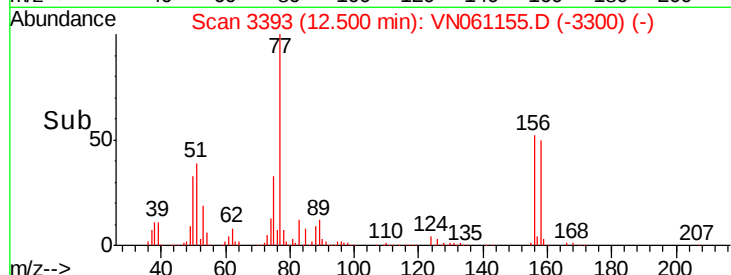
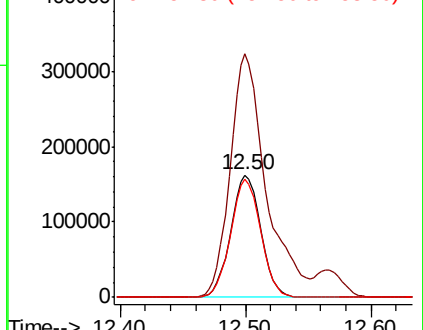
158 96.5 48.4 145.0



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: 156.109 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061155.D

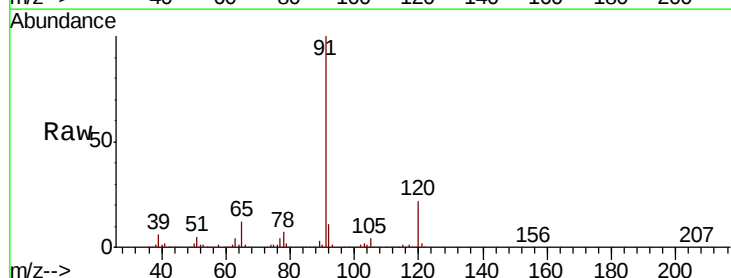
Acq: 27 Apr 2020 17:58

Tgt Ion: 91 Resp: 1400822

Ion Ratio Lower Upper

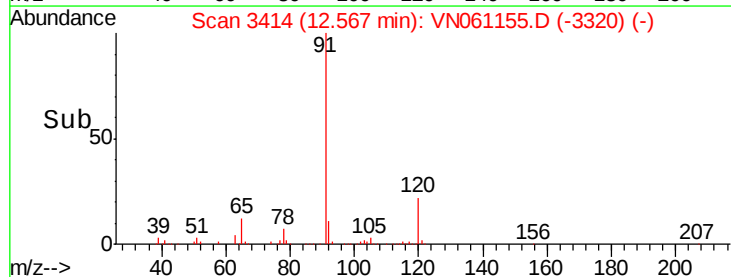
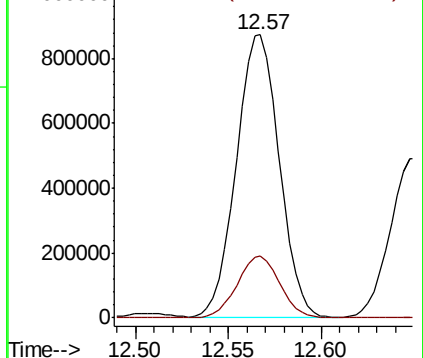
91 100

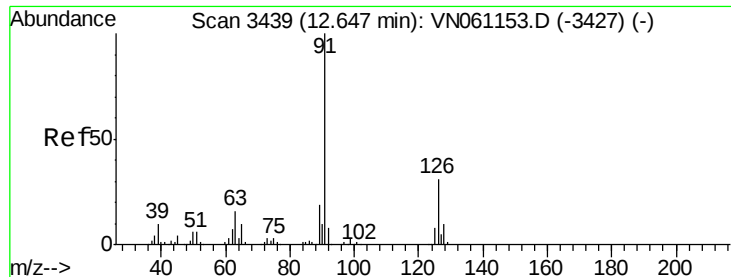
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

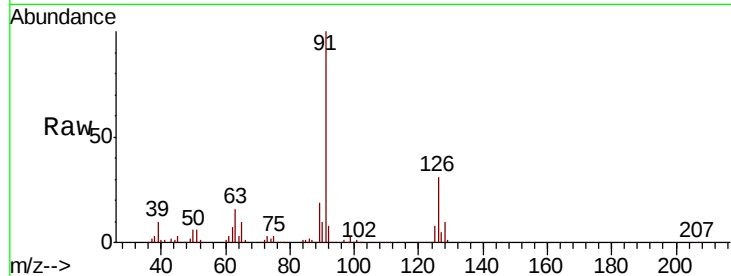




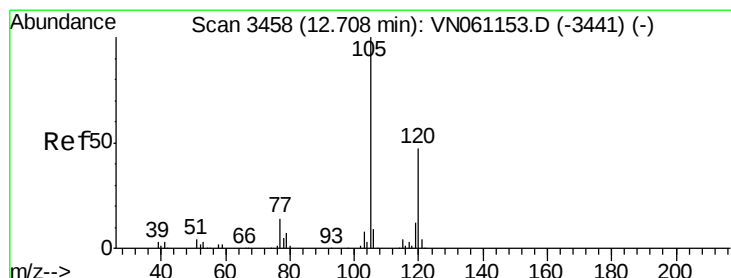
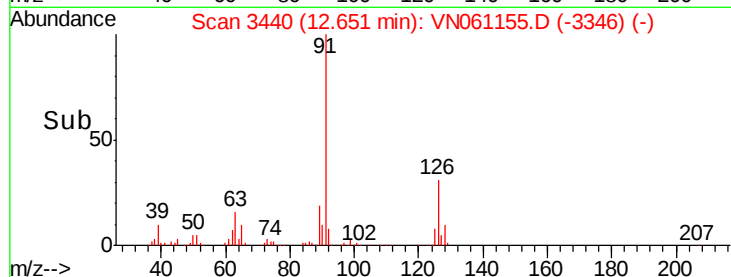
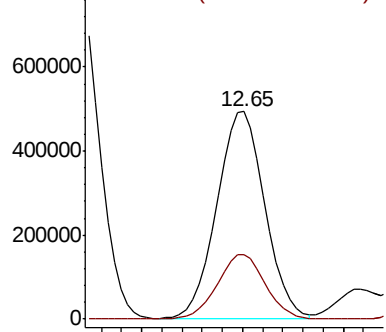
#79
 2-Chlorotoluene
 Concen: 156.813 ug/l
 RT: 12.65 min Scan# 3440
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 817621
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.9 47.7

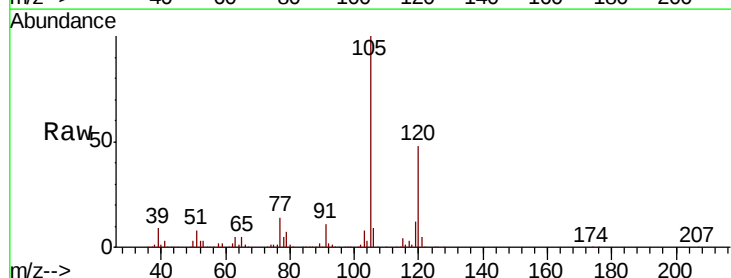


Abundance Ion 91.00 (90.70 to 91.70): VN061155.D (-3440) (-)
 Ion 125.90 (125.60 to 126.60): VN061155.D (-3440) (-)

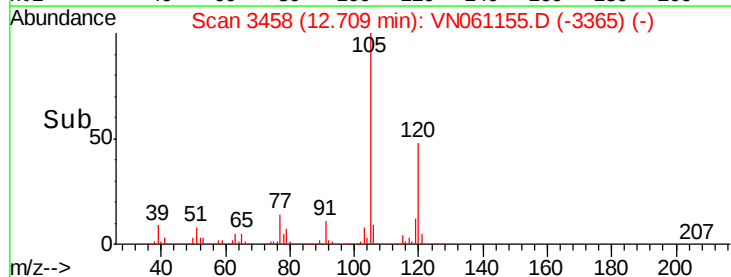
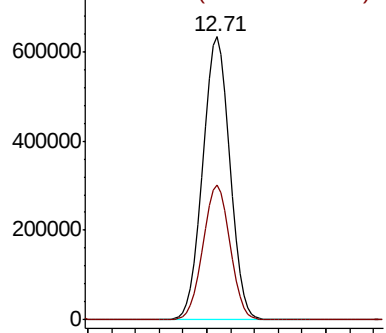


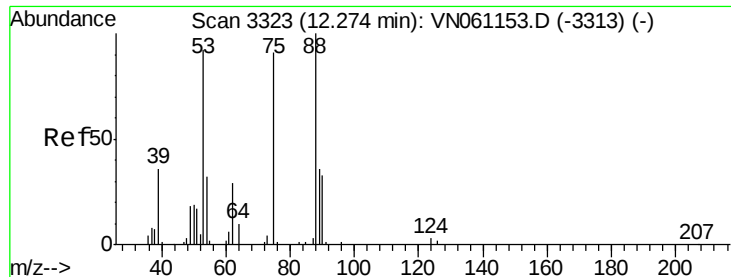
#80
 1,3,5-Trimethylbenzene
 Concen: 155.142 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion: 105 Resp: 996646
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061155.D (-3365) (-)
 Ion 120.00 (119.70 to 120.70): VN061155.D (-3365) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 156.835 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

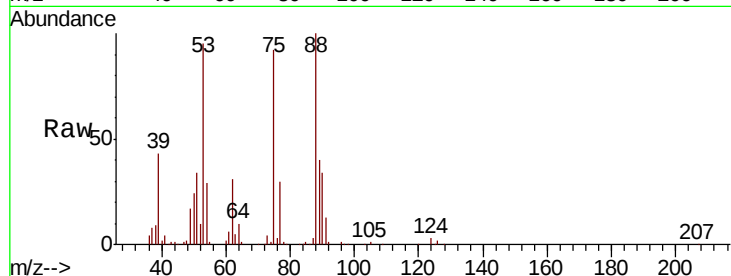
Tot Ion: 75 Resp: 137484

Ion Ratio Lower Upper

75 100

53 103.9 84.1 126.1

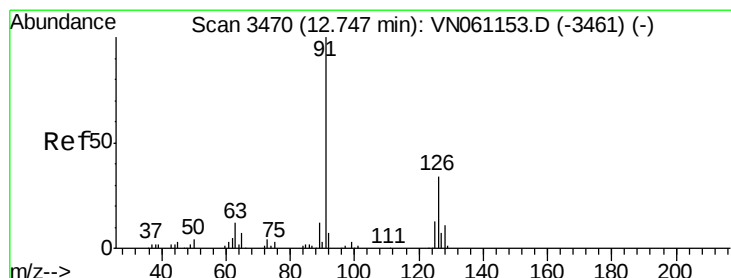
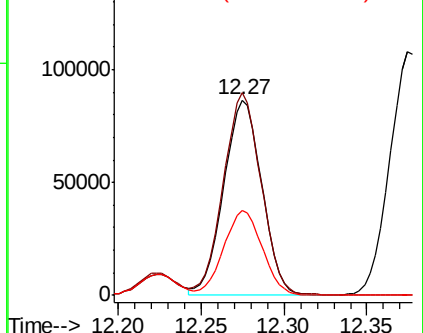
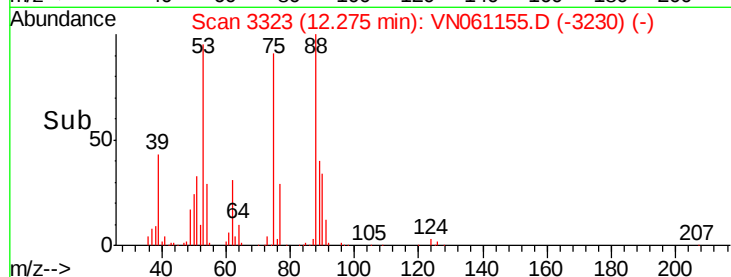
89 44.3 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN061155.D (-3323) (-)

Ion 53.00 (52.70 to 53.70): VN061155.D (-3323) (-)

Ion 88.90 (88.60 to 89.60): VN061155.D (-3323) (-)



#82

4-Chlorotoluene

Concen: 157.107 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061155.D

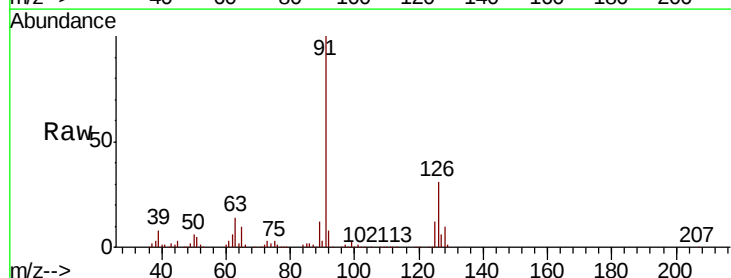
Acq: 27 Apr 2020 17:58

Tgt Ion: 91 Resp: 870408

Ion Ratio Lower Upper

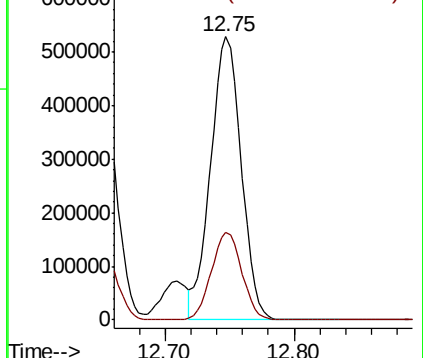
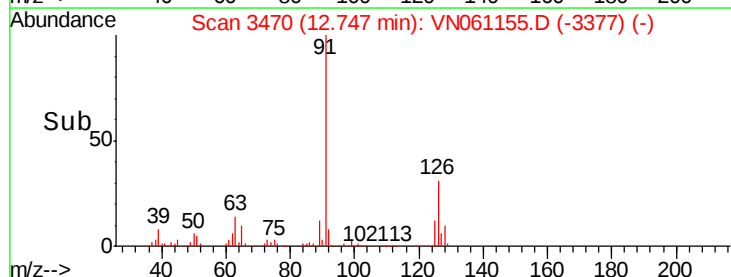
91 100

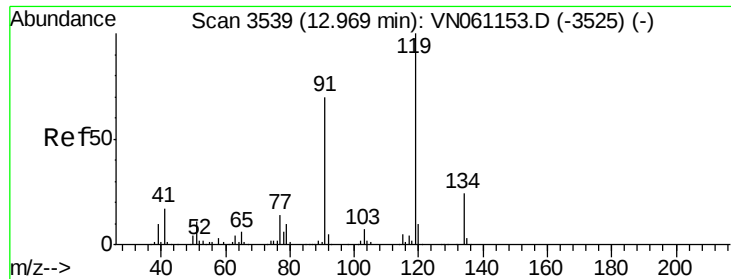
126 30.7 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN061155.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN061155.D (-3470) (-)

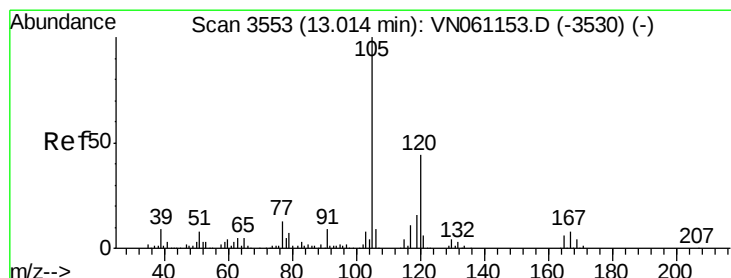
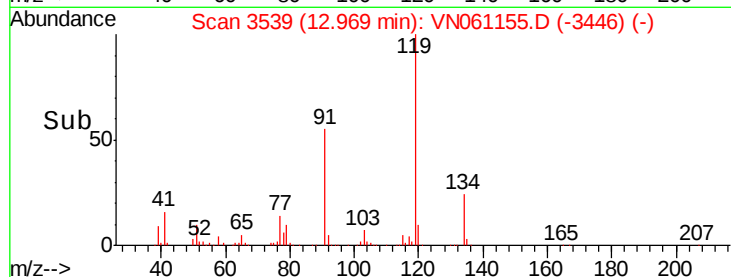
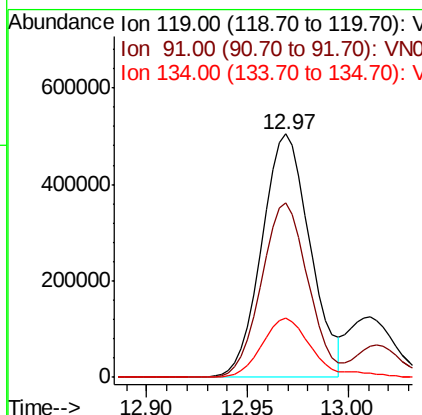
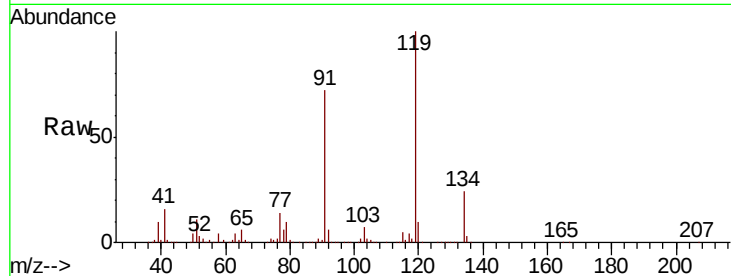




#83
 tert-Butylbenzene
 Concen: 155.813 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

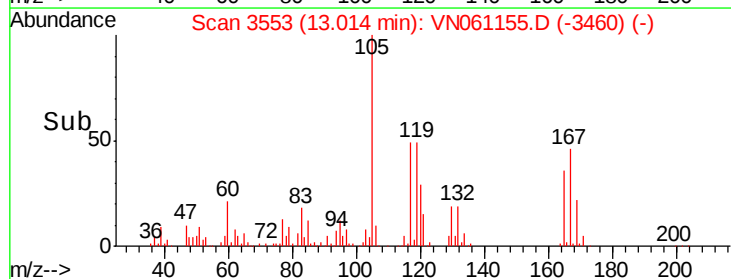
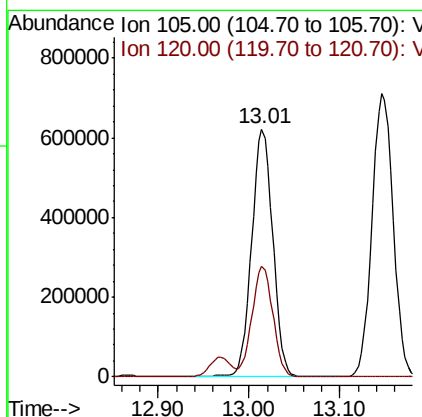
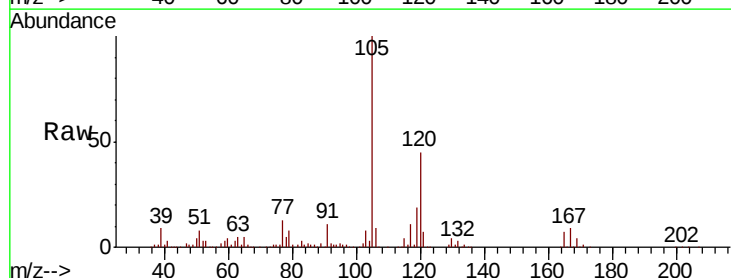
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

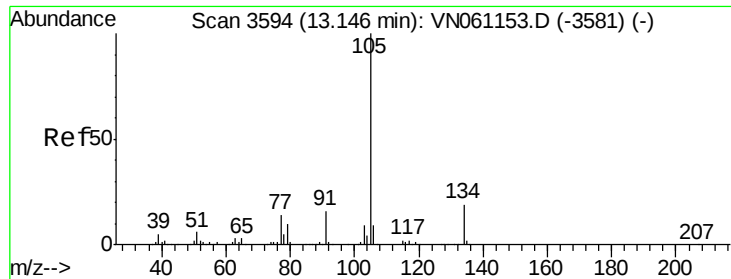
Tot Ion:119	Resp:	839560
Ion Ratio	Lower	Upper
119	100	
91	69.9	34.8 104.4
134	25.4	12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 156.505 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion:105	Resp:	1004469
Ion Ratio	Lower	Upper
105	100	
120	44.4	22.2 66.6





#85

sec-Butylbenzene

Concen: 156.854 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

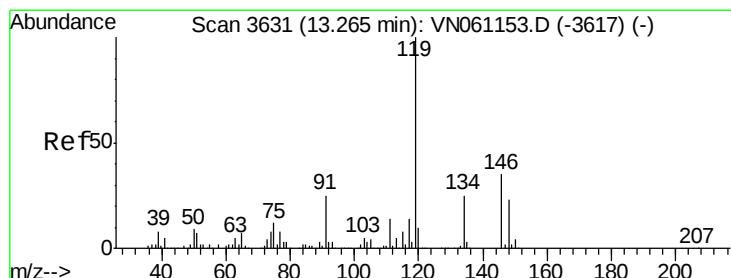
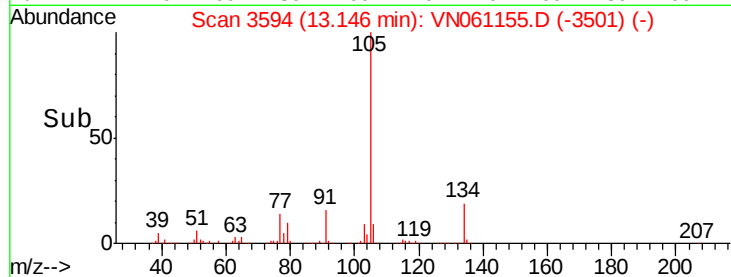
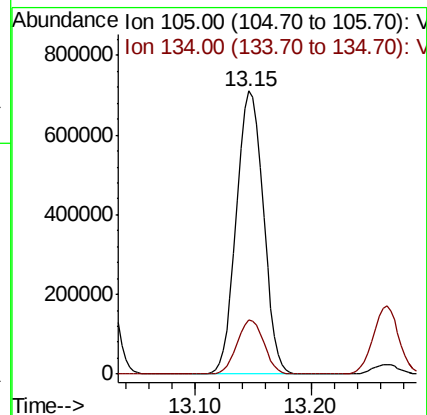
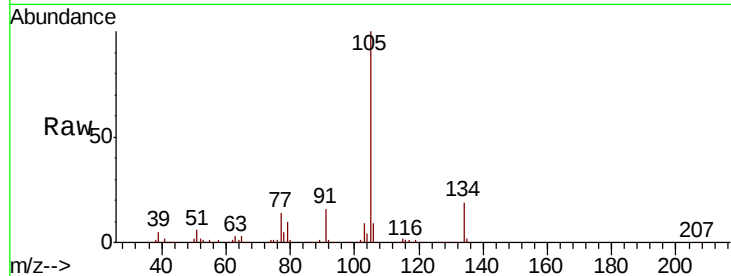
VSTDIC150

Tot Ion:105 Resp: 1147341

Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.8



#86

p-Isopropyltoluene

Concen: 155.988 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

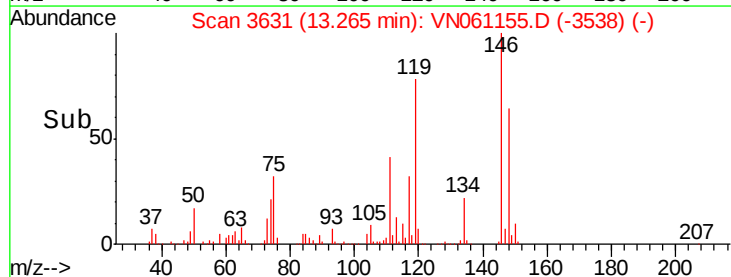
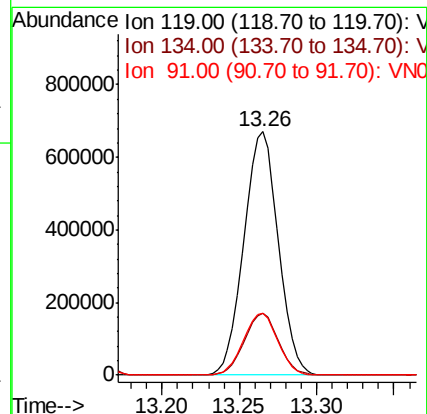
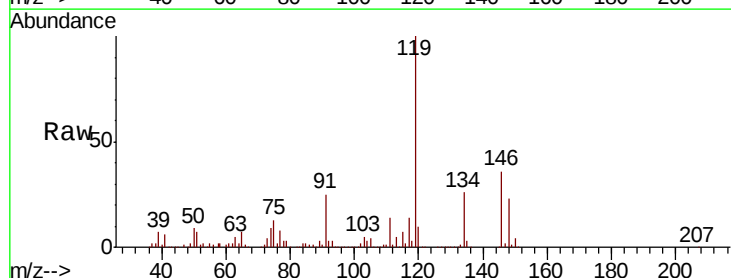
Tgt Ion:119 Resp: 1034391

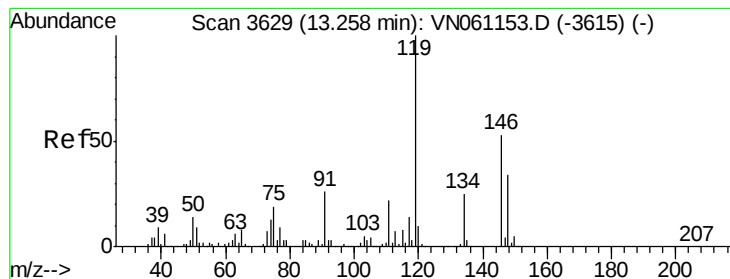
Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.6

91 25.4 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 149.432 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

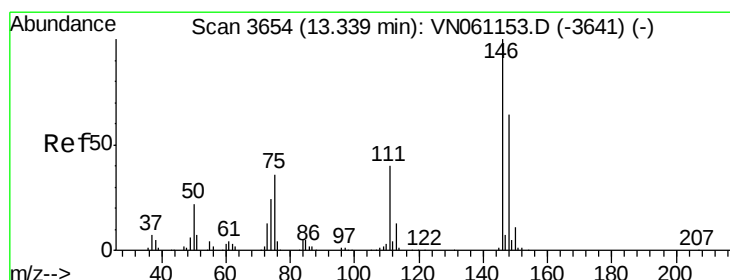
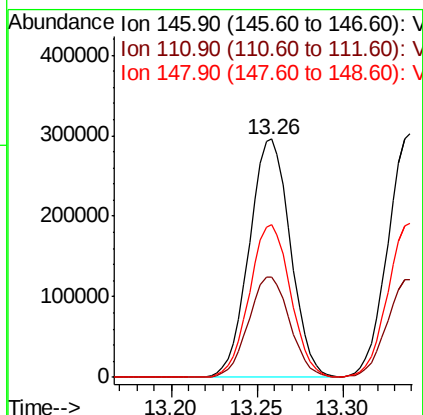
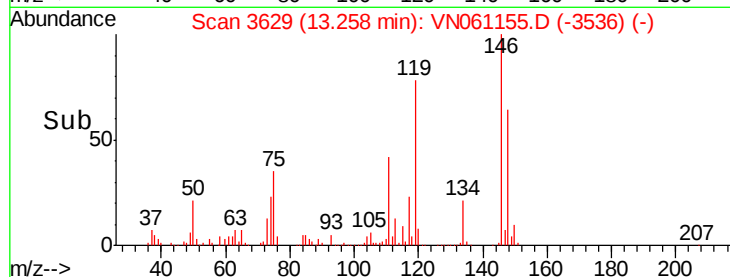
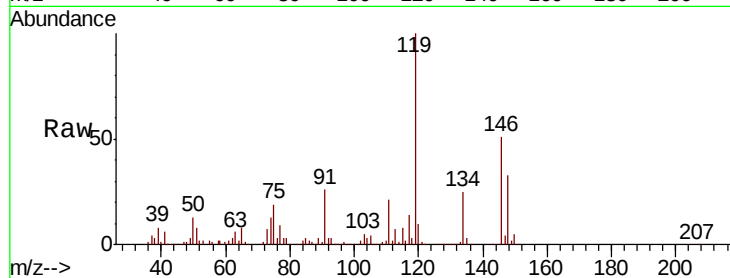
Tot Ion:146 Resp: 491328

Ion Ratio Lower Upper

146 100

111 42.0 20.7 62.1

148 63.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 148.337 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

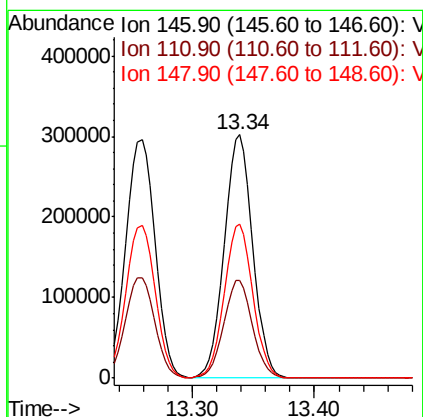
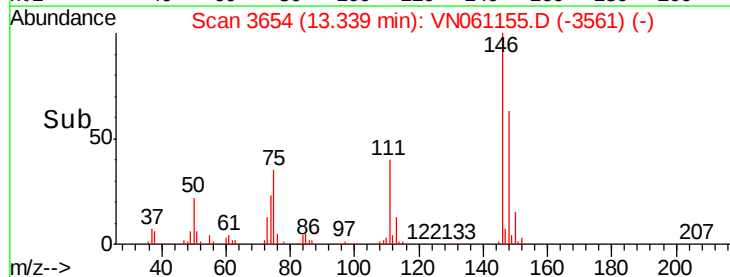
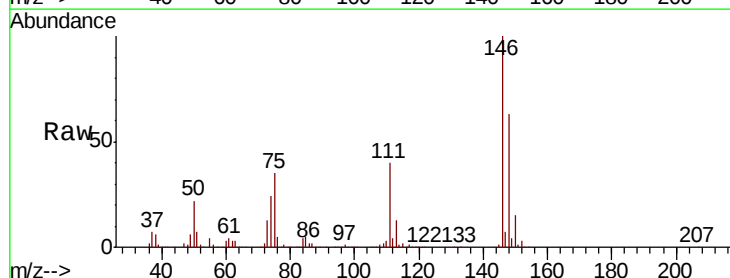
Tgt Ion:146 Resp: 494100

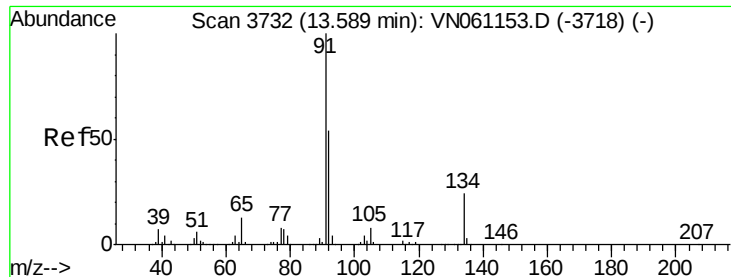
Ion Ratio Lower Upper

146 100

111 40.3 20.4 61.3

148 63.5 31.9 95.7





#89

n-Butylbenzene

Concen: 158.194 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

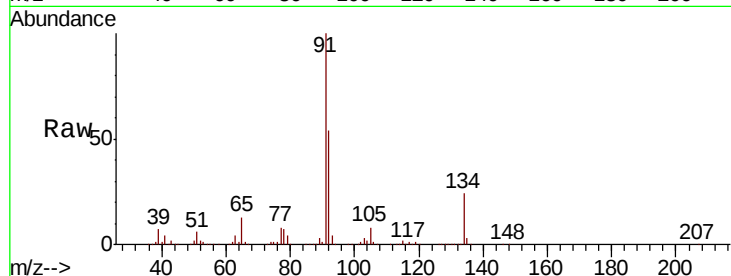
Tot Ion: 91 Resp: 957617

Ion Ratio Lower Upper

91 100

92 54.0 26.8 80.3

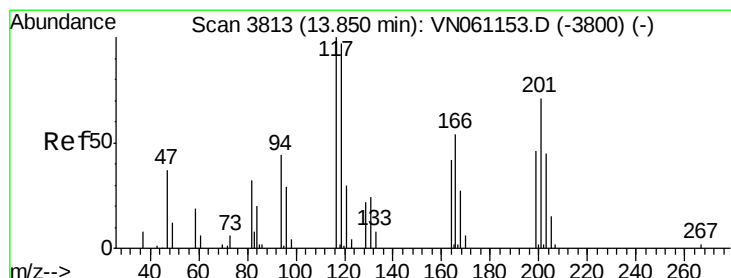
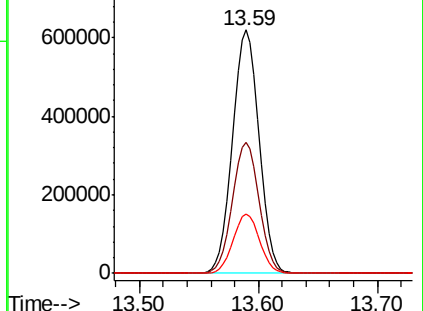
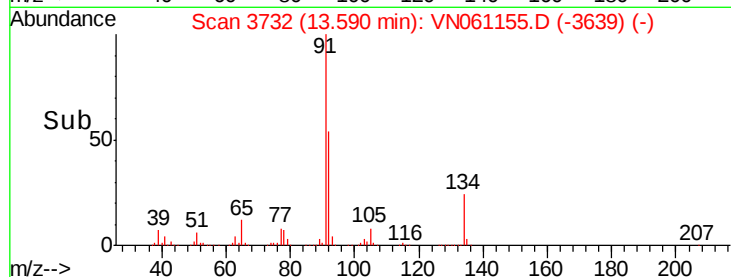
134 24.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3718) (-)

Ion 92.00 (91.70 to 92.70): VN061153.D (-3718) (-)

Ion 134.00 (133.70 to 134.70): VN061153.D (-3718) (-)



#90

Hexachloroethane

Concen: 213.852 ug/l

RT: 13.85 min Scan# 3813

Delta R.T. 0.00 min

Lab File: VN061155.D

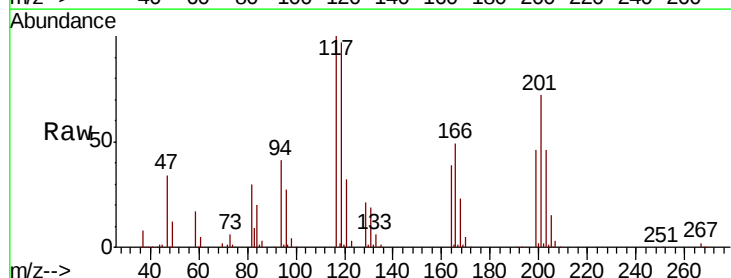
Acq: 27 Apr 2020 17:58

Tgt Ion: 117 Resp: 114446

Ion Ratio Lower Upper

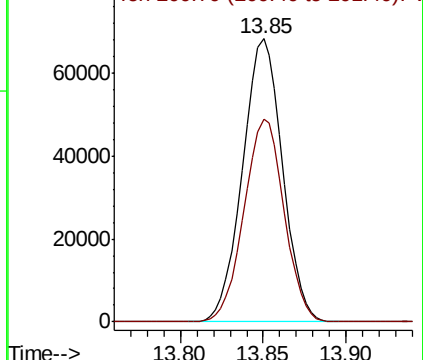
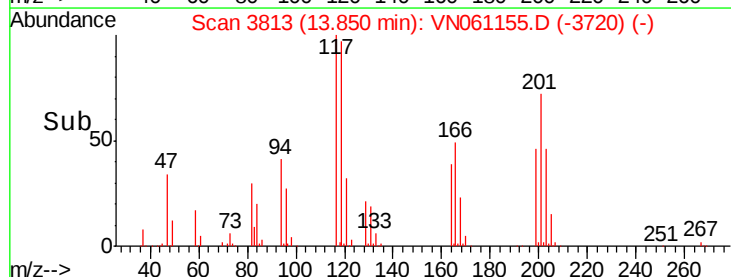
117 100

201 71.6 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-3800) (-)

Ion 200.70 (200.40 to 201.40): VN061153.D (-3800) (-)





#91

1,2-Dichlorobenzene

Concen: 151.260 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

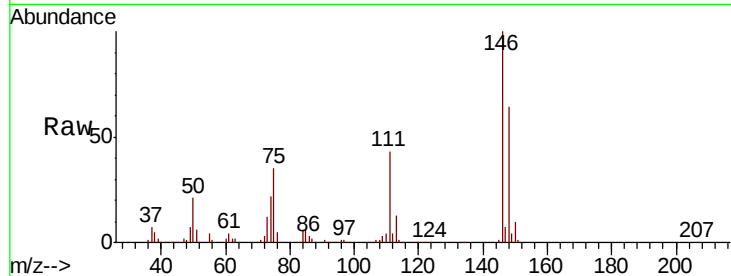
Tot Ion:146 Resp: 463550

Ion Ratio Lower Upper

146 100

111 43.5 21.8 65.3

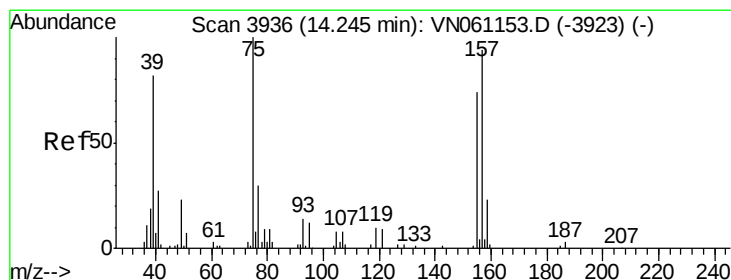
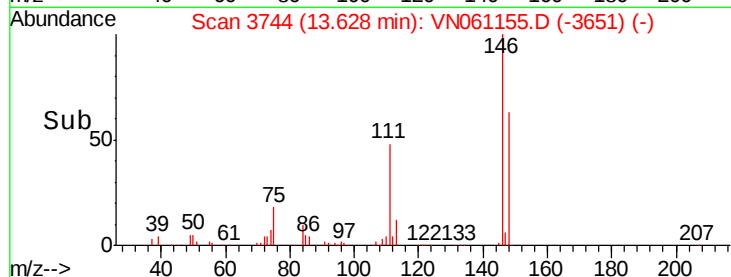
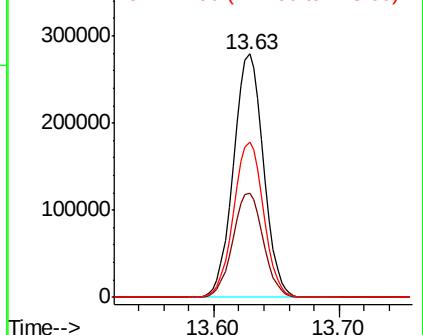
148 63.9 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 175.321 ug/l

RT: 14.24 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VN061155.D

Acq: 27 Apr 2020 17:58

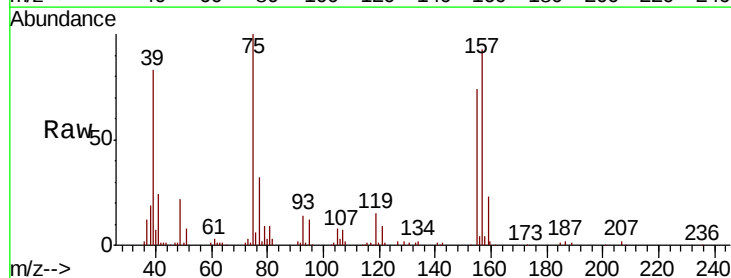
Tgt Ion: 75 Resp: 79802

Ion Ratio Lower Upper

75 100

155 73.7 36.5 109.7

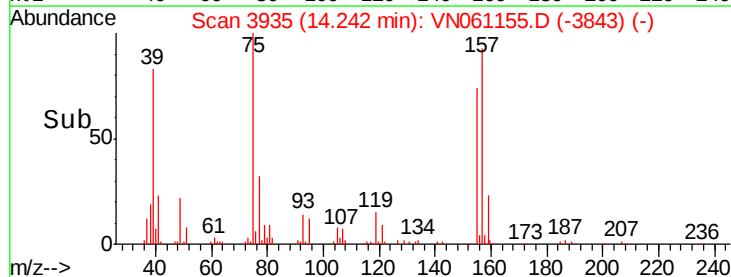
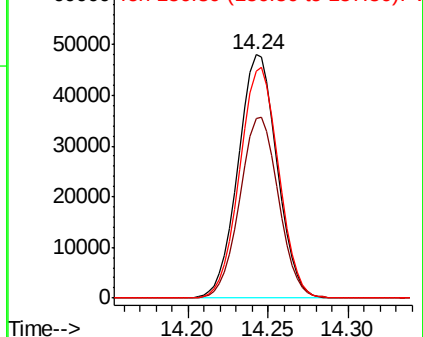
157 94.6 46.6 139.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

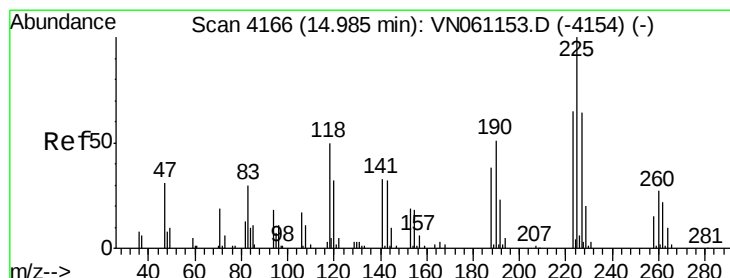
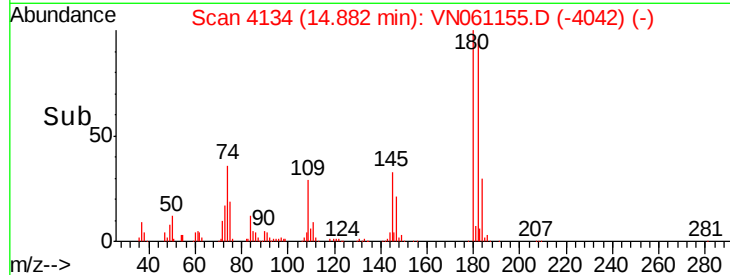
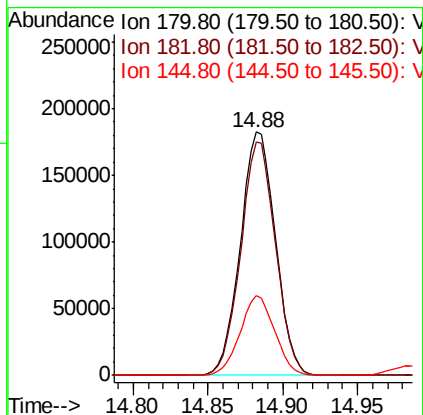
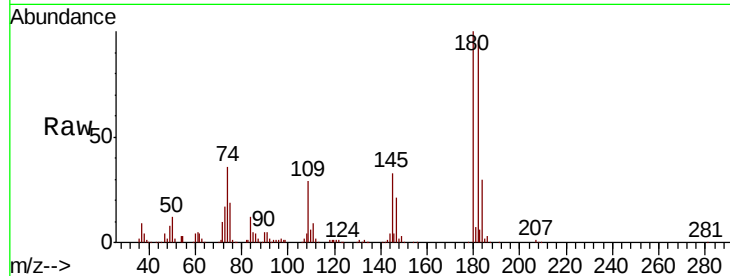




#93
 1,2,4-Trichlorobenzene
 Concen: 146.850 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

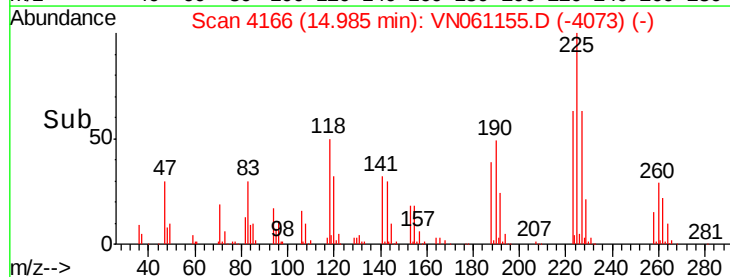
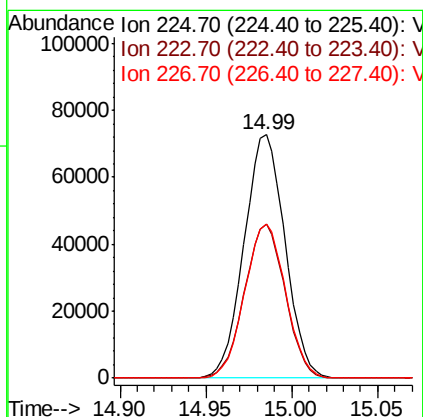
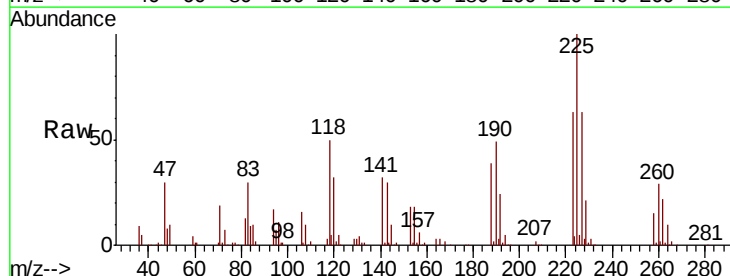
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

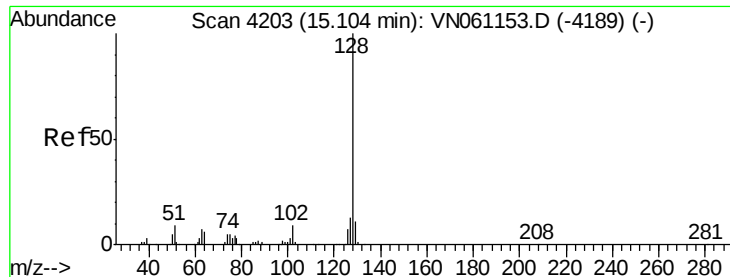
Tot Ion:180 Resp: 298423
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 141.9
 145 32.1 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 136.453 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061155.D
 Acq: 27 Apr 2020 17:58

Tgt Ion:225 Resp: 120120
 Ion Ratio Lower Upper
 225 100
 223 62.8 32.4 97.0
 227 63.2 32.4 97.0

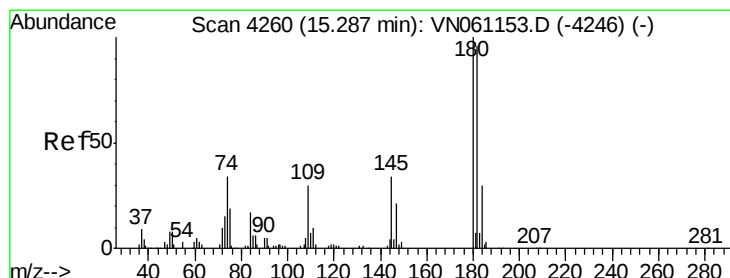
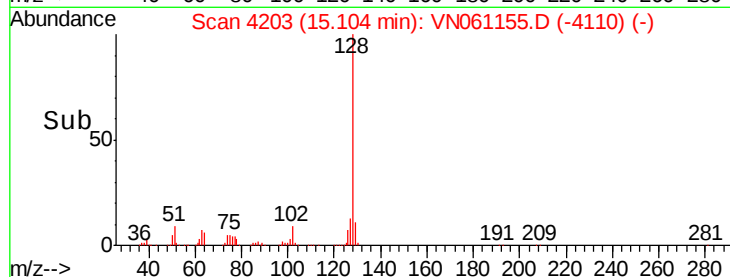
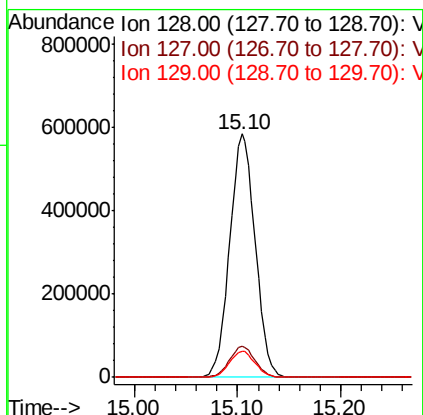
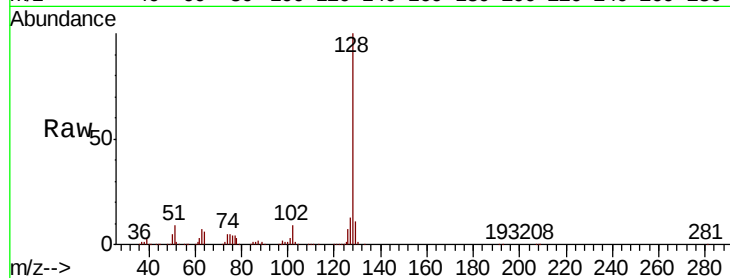




#95
Naphthalene
Concen: 158.648 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 1003296
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 149.954 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061155.D
Acq: 27 Apr 2020 17:58

Tgt Ion:180 Resp: 293418
Ion Ratio Lower Upper
180 100
182 95.1 47.5 142.5
145 33.8 16.9 50.7

