

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061152.D
 Acq On : 27 Apr 2020 16:49
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 28 01:34:12 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	7.63	168	103318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	182447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80505	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	29768	21.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	42.02%	
35) Dibromofluoromethane	7.55	113	19619	18.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.54%	
50) Toluene-d8	10.06	98	77115	17.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	34.72%	
62) 4-Bromofluorobenzene	12.38	95	28090	16.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	33.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	21776	22.156	ug/l	100
3) Chloromethane	2.03	50	25521	21.298	ug/l	97
4) Vinyl Chloride	2.16	62	29375	20.390	ug/l	98
5) Bromomethane	2.54	94	14737	21.035	ug/l	97
6) Chloroethane	2.67	64	19012	24.180	ug/l	97
7) Trichlorofluoromethane	2.98	101	35240	22.718	ug/l	99
8) Diethyl Ether	3.37	74	13996	19.724	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	21261	20.792	ug/l	99
10) Methyl Iodide	3.91	142	26409	18.228	ug/l	99
11) Tert butyl alcohol	4.72	59	20821	114.317	ug/l	100
12) 1,1-Dichloroethene	3.70	96	20714	19.839	ug/l	96
13) Acrolein	3.56	56	14385	106.085	ug/l	92
14) Allyl chloride	4.27	41	39464	23.337	ug/l	93
15) Acrylonitrile	4.93	53	64144	113.264	ug/l	99
16) Acetone	3.77	43	64272	94.356	ug/l	99
17) Carbon Disulfide	4.01	76	59502	19.316	ug/l	99
18) Methyl Acetate	4.27	43	38414	20.828	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	78723	21.126	ug/l	97
20) Methylene Chloride	4.50	84	24426	20.146	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	22754	18.290	ug/l	96
22) Diisopropyl ether	5.90	45	88691	22.602	ug/l	99
23) Vinyl Acetate	5.84	43	357523	113.565	ug/l	99
24) 1,1-Dichloroethane	5.80	63	47069	21.980	ug/l	99
25) 2-Butanone	6.78	43	91931	117.782	ug/l	98
26) 2,2-Dichloropropane	6.77	77	37985	20.107	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	26411	19.079	ug/l	100
28) Bromochloromethane	7.15	49	23169	24.946	ug/l	99
29) Tetrahydrofuran	7.17	42	63048	117.408	ug/l	100
30) Chloroform	7.33	83	48433	22.375	ug/l	97
31) Cyclohexane	7.61	56	43641	20.310	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	40798	21.141	ug/l	98
36) 1,1-Dichloropropene	7.75	75	34942	19.530	ug/l	99
37) Ethyl Acetate	6.88	43	40699	22.144	ug/l	100
38) Carbon Tetrachloride	7.73	117	28150	18.115	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	38060	17.649	ug/l	98
40) Benzene	8.00	78	103259	19.524	ug/l	100
41) Methacrylonitrile	7.12	41	15334	18.212	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	40465	21.167	ug/l	98
43) Isopropyl Acetate	8.13	43	66324	21.310	ug/l	99
44) Trichloroethene	8.80	130	27772	18.265	ug/l	98
45) 1,2-Dichloropropane	9.08	63	28182	20.044	ug/l	98
46) Dibromomethane	9.17	93	18083	20.183	ug/l	98
47) Bromodichloromethane	9.37	83	36643	20.565	ug/l	100
48) Methyl methacrylate	9.17	41	29106	19.953	ug/l	97
49) 1,4-Dioxane	9.17	88	6311	295.686	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	198041	108.635	ug/l	100
52) Toluene	10.12	92	62898	19.031	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	40156	18.573	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	42478	18.938	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	24890	19.533	ug/l	98
56) Ethyl methacrylate	10.40	69	36754	18.833	ug/l	97
57) 1,3-Dichloropropane	10.68	76	43887	20.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	98490	97.826	ug/l	100
59) 2-Hexanone	10.72	43	145712	108.320	ug/l	99
60) Dibromochloromethane	10.87	129	25060	18.814	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25690	19.600	ug/l	97
64) Tetrachloroethene	10.60	164	28723	17.020	ug/l	100
65) Chlorobenzene	11.41	112	63152	18.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	23182	19.146	ug/l	99
67) Ethyl Benzene	11.48	91	119096	18.657	ug/l	99
68) m/p-Xylenes	11.60	106	87237	36.702	ug/l	98
69) o-Xylene	11.92	106	41644	18.157	ug/l	100
70) Styrene	11.94	104	70441	18.897	ug/l	99
71) Bromoform	12.10	173	16711	18.404	ug/l #	99
73) Isopropylbenzene	12.22	105	114440	18.913	ug/l	100
74) N-amyl acetate	12.04	43	56542	20.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	36196	21.809	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	48139	26.422	ug/l #	100
77) Bromobenzene	12.50	156	26108	17.884	ug/l	99
78) n-propylbenzene	12.56	91	134410	18.892	ug/l	99
79) 2-Chlorotoluene	12.65	91	79377	19.201	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	94225	18.499	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	12210	17.567	ug/l	99
82) 4-Chlorotoluene	12.75	91	82063	18.682	ug/l	99
83) tert-Butylbenzene	12.97	119	79858	18.692	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	96663	18.995	ug/l	100
85) sec-Butylbenzene	13.15	105	107910	18.606	ug/l	99
86) p-Isopropyltoluene	13.26	119	96665	18.385	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	48002	18.413	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	47919	18.144	ug/l	99
89) n-Butylbenzene	13.59	91	86843	18.094	ug/l	99
90) Hexachloroethane	13.85	117	7413	17.470	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	47454	19.530	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7923	21.954	ug/l	96

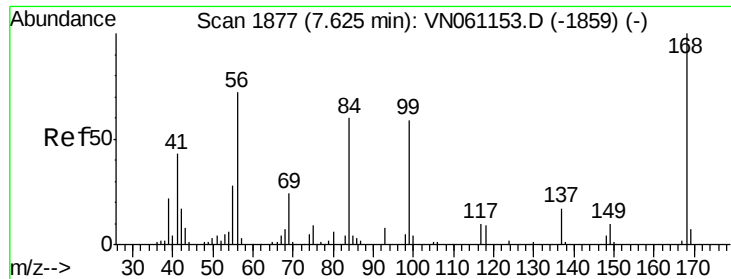
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	27867	17.295	ug/l	98
94) Hexachlorobutadiene	14.98	225	11828	16.946	ug/l	99
95) Naphthalene	15.10	128	91161	18.181	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	28151	18.145	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

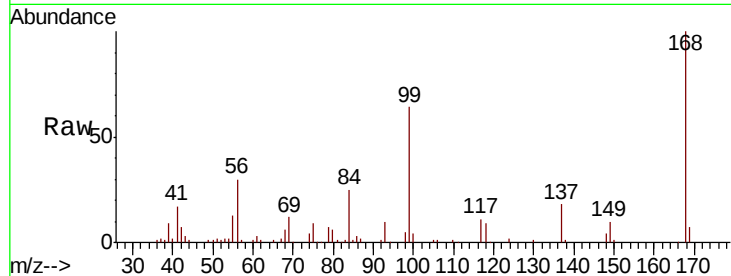
VSTDIC020

Tot Ion:168 Resp: 103318

Ion Ratio Lower Upper

168 100

99 64.4 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

40000

30000

20000

10000

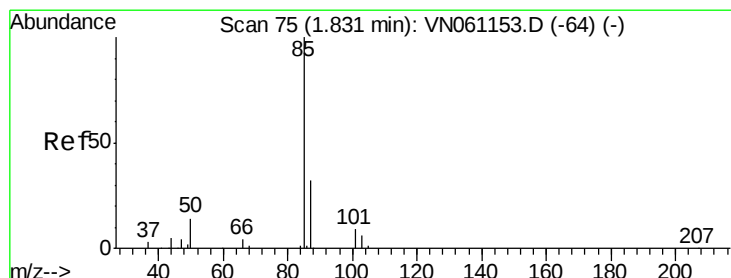
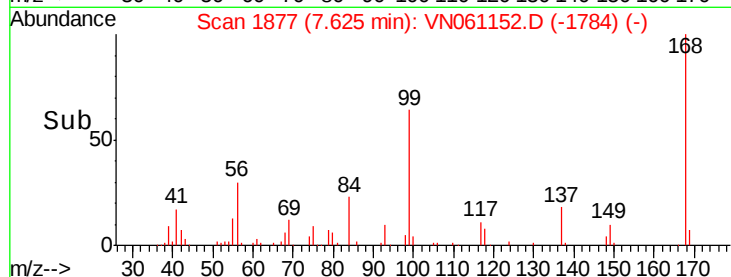
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 22.156 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061152.D

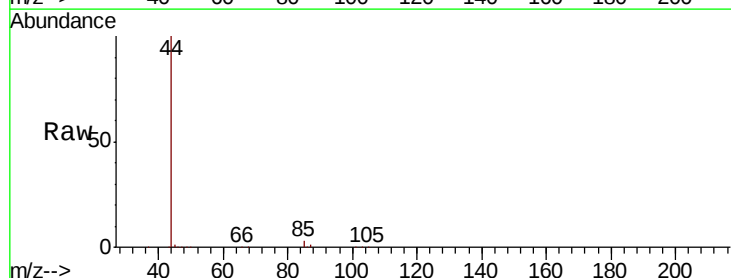
Acq: 27 Apr 2020 16:49

Tgt Ion: 85 Resp: 21776

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

15000

10000

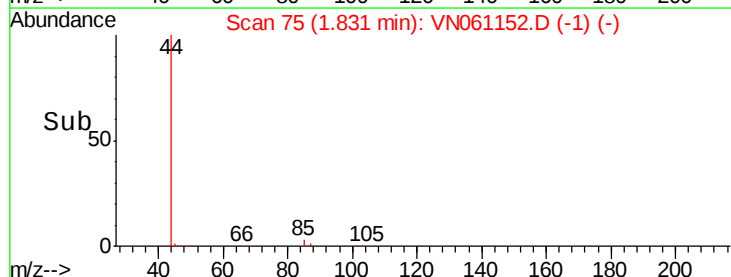
5000

0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 21.298 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

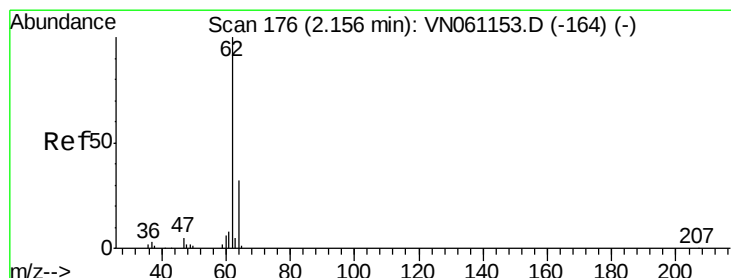
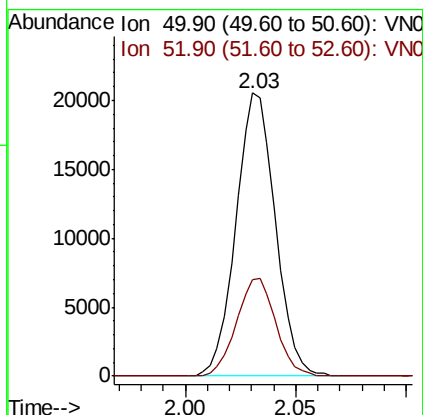
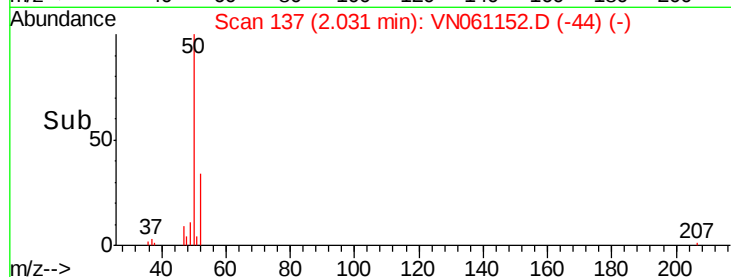
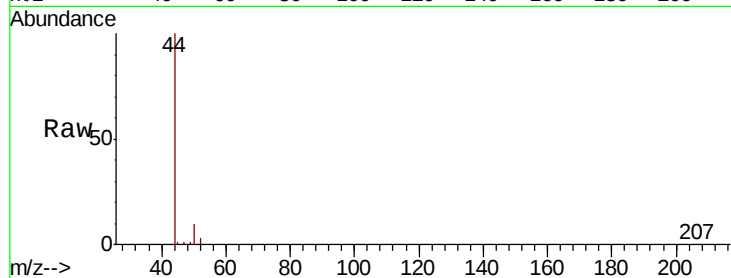
VSTDIC020

Tot Ion: 50 Resp: 25521

Ion Ratio Lower Upper

50 100

52 34.2 26.0 39.0



#4

Vinyl Chloride

Concen: 20.390 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061152.D

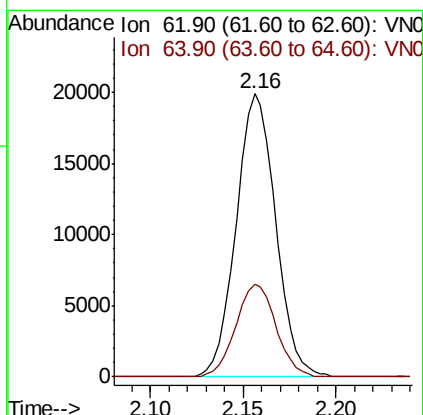
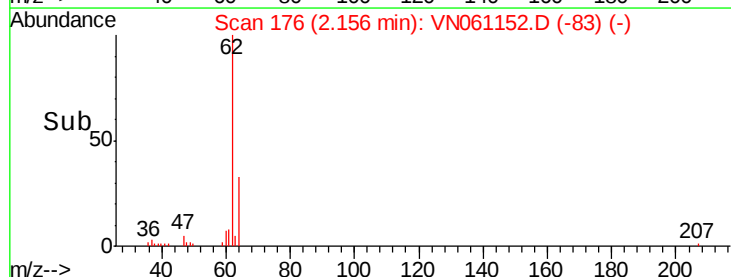
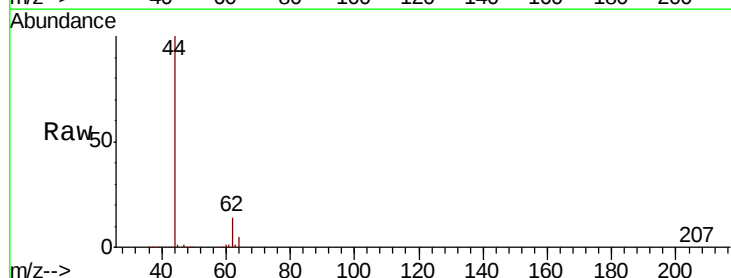
Acq: 27 Apr 2020 16:49

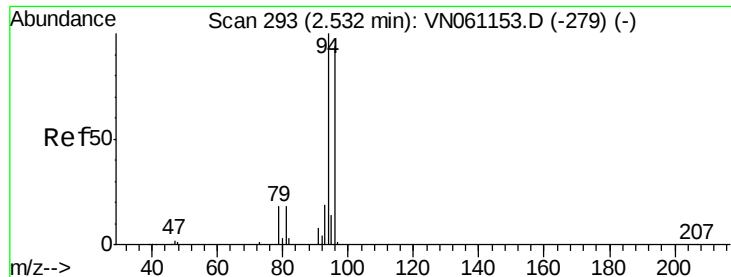
Tgt Ion: 62 Resp: 29375

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8

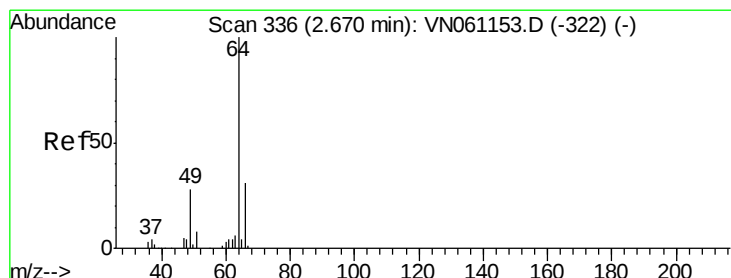
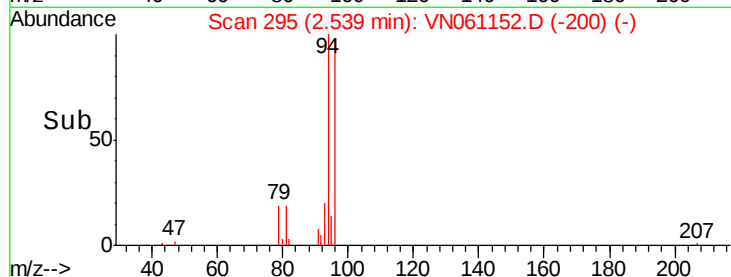
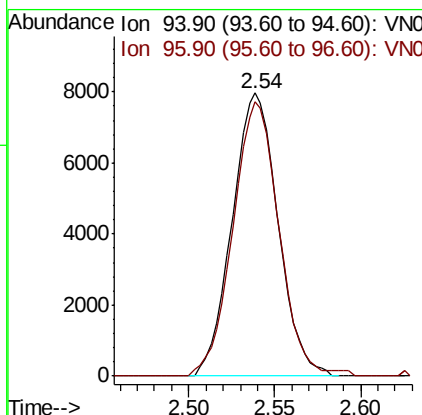
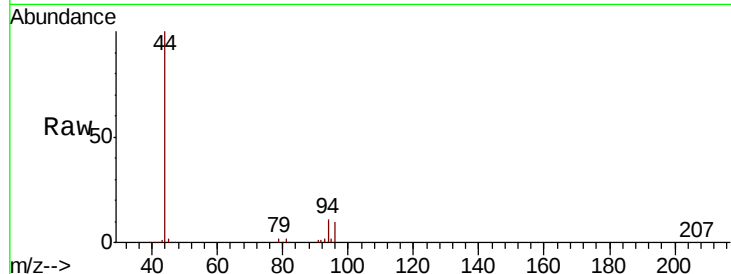




#5
Bromomethane
Concen: 21.035 ug/l
RT: 2.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

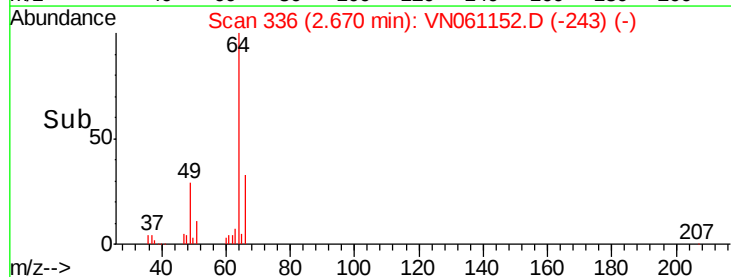
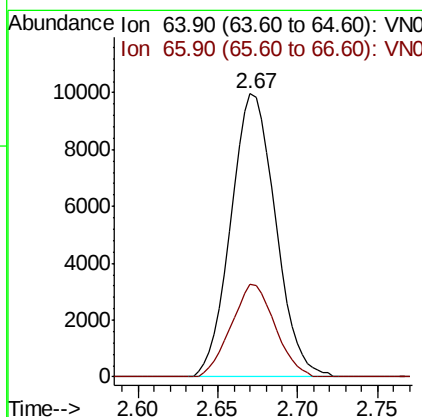
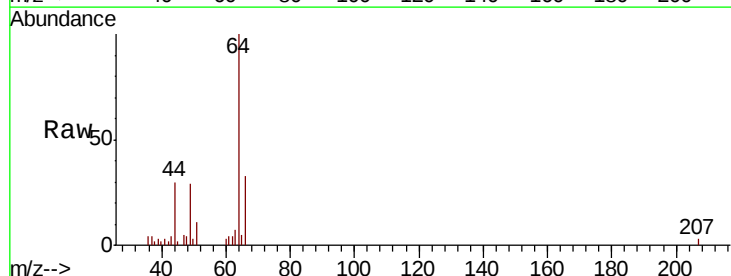
Instrument :
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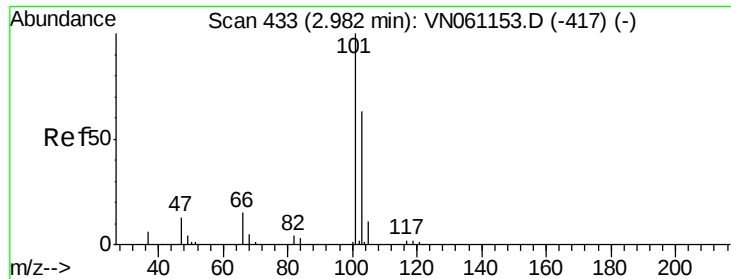
Tot Ion: 94 Resp: 14737
Ion Ratio Lower Upper
94 100
96 96.9 75.1 112.7



#6
Chloroethane
Concen: 24.180 ug/l
RT: 2.67 min Scan# 336
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 64 Resp: 19012
Ion Ratio Lower Upper
64 100
66 32.6 24.6 36.8



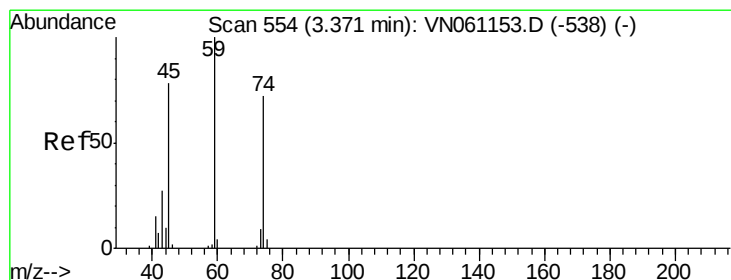
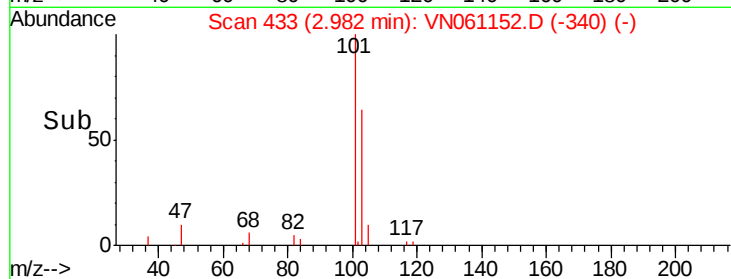
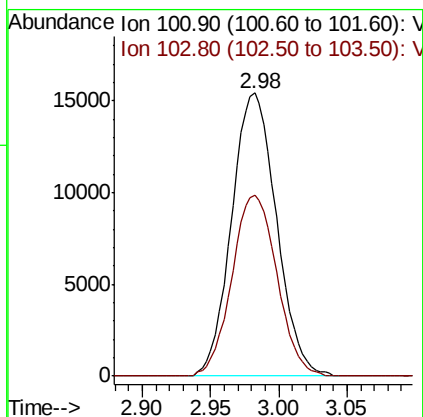
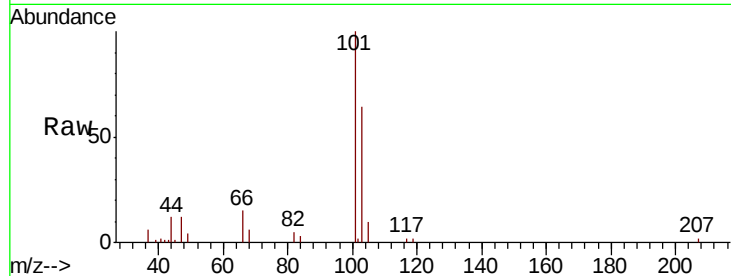


#7

Trichlorofluoromethane
 Concen: 22.718 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

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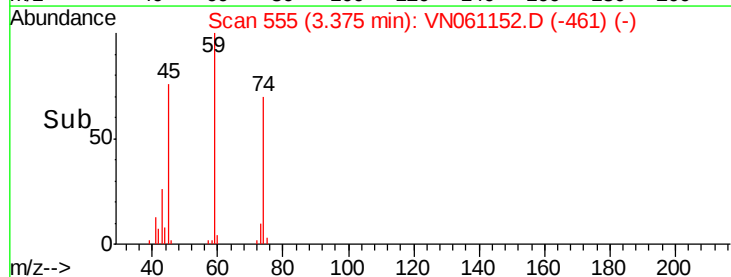
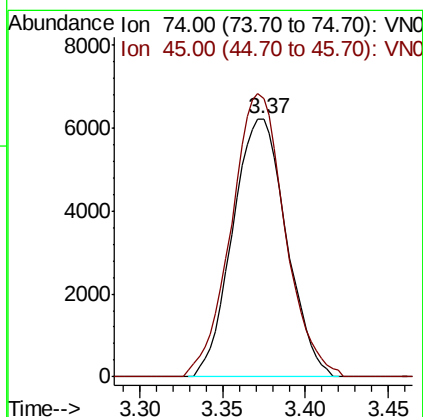
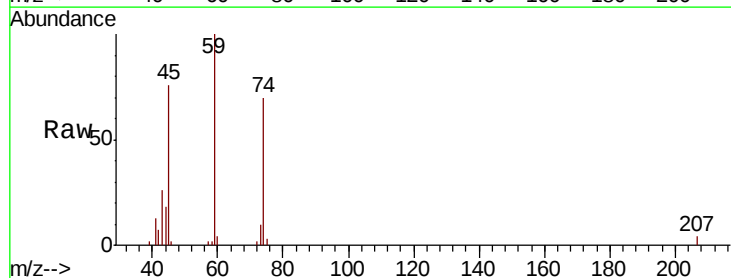
Tot Ion:101 Resp: 35240
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.6 76.0

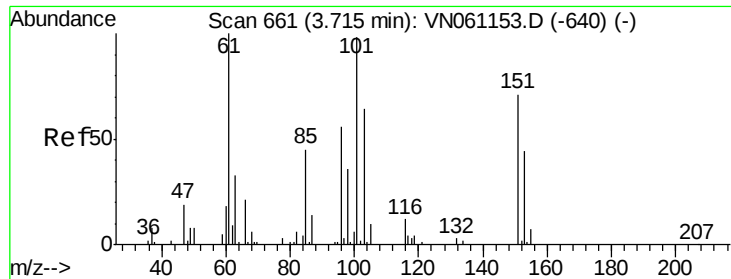


#8

Diethyl Ether
 Concen: 19.724 ug/l
 RT: 3.37 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion: 74 Resp: 13996
 Ion Ratio Lower Upper
 74 100
 45 109.9 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.792 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

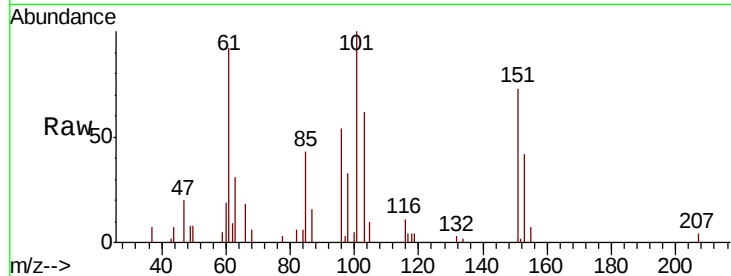
Tot Ion:101 Resp: 21261

Ion Ratio Lower Upper

101 100

85 47.3 37.2 55.8

151 73.3 57.7 86.5

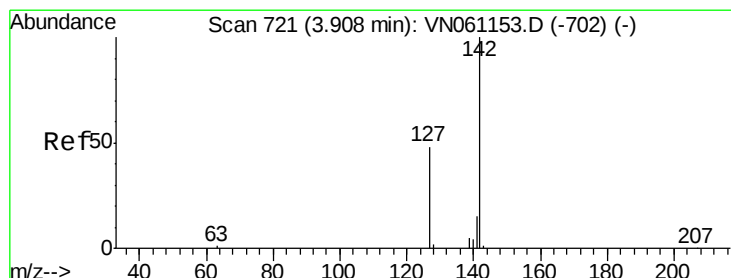
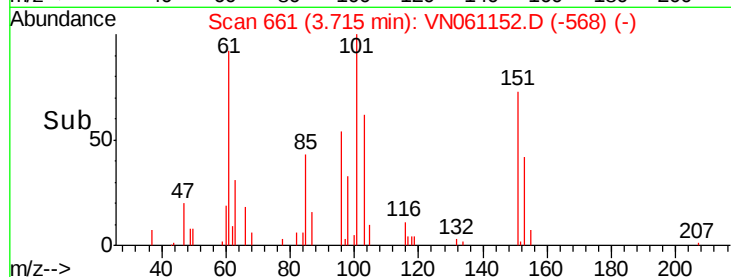
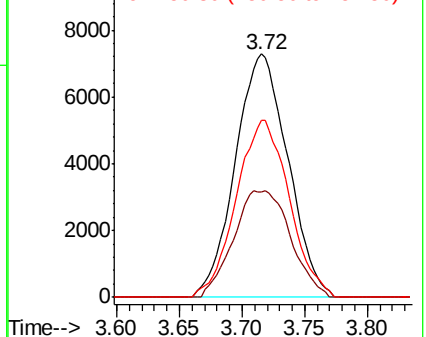


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.228 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

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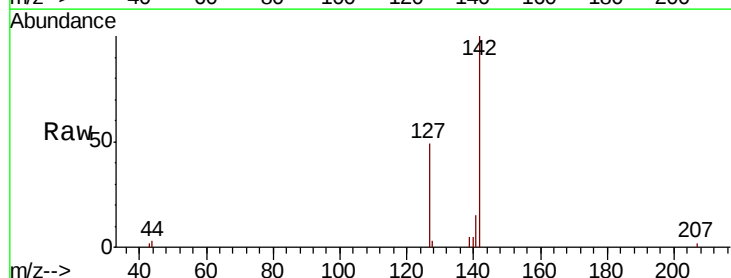
Tgt Ion:142 Resp: 26409

Ion Ratio Lower Upper

142 100

127 47.9 38.0 57.0

141 14.1 11.7 17.5

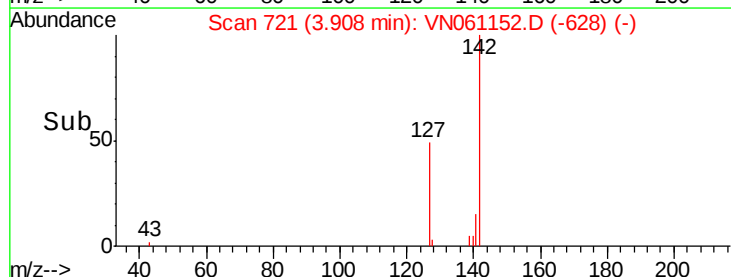
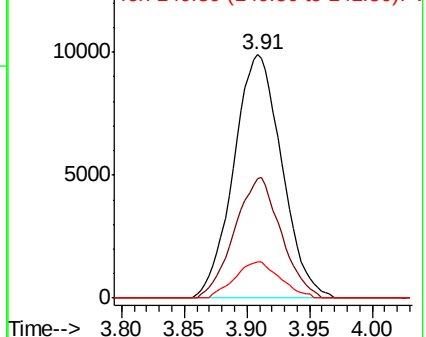


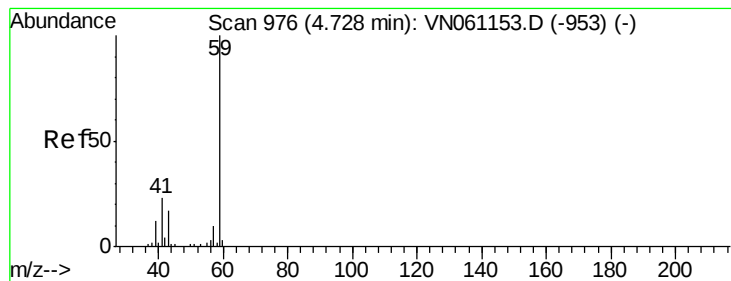
Abundance

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



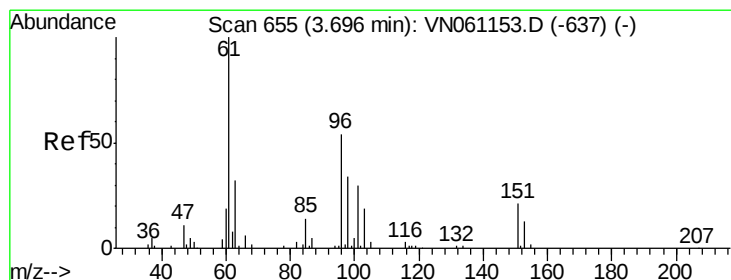
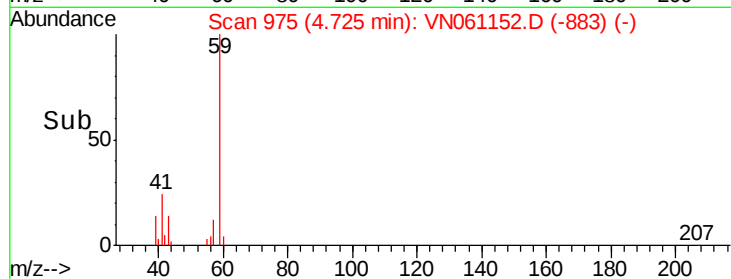
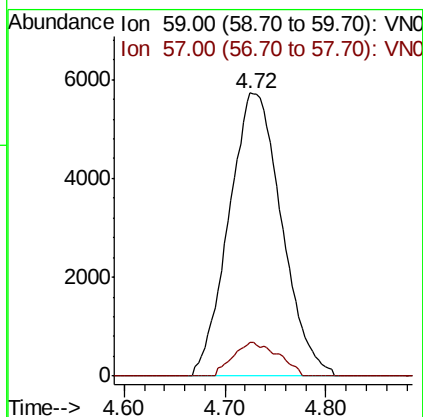
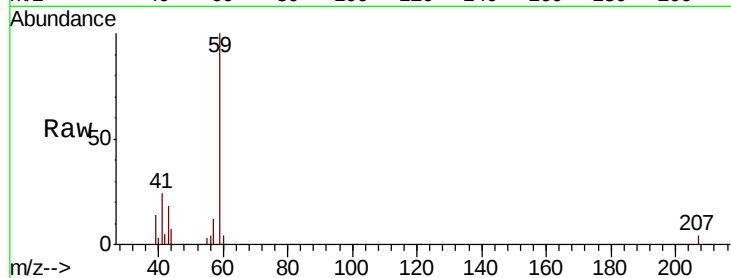


#11

Tert butyl alcohol
Concen: 114.317 ug/l
RT: 4.72 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

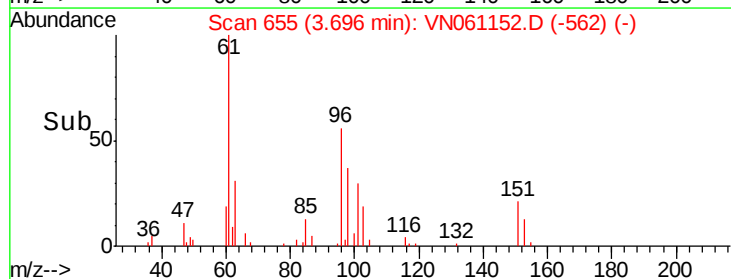
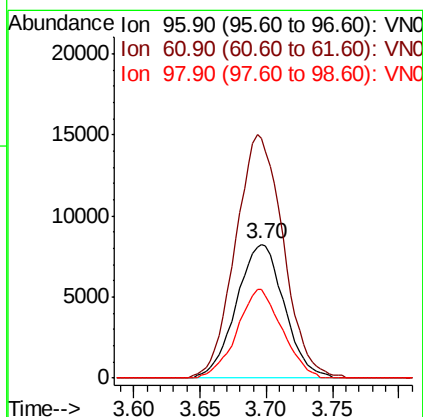
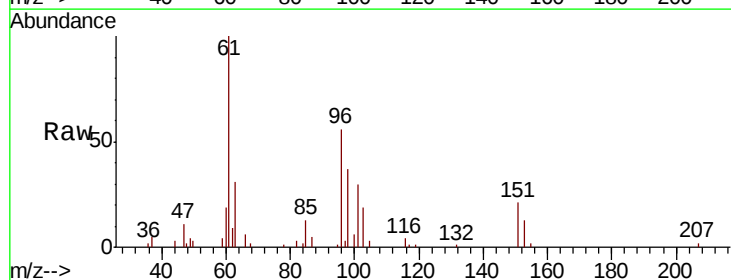
Tot Ion: 59 Resp: 20821
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

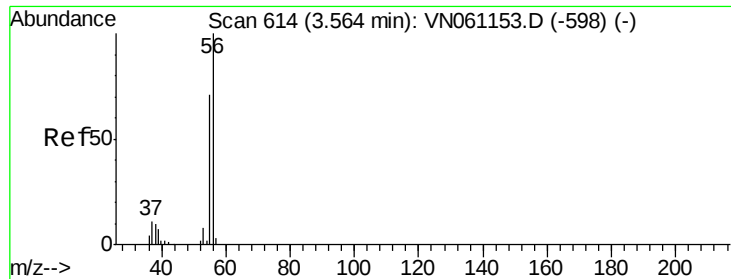


#12

1,1-Dichloroethene
Concen: 19.839 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 96 Resp: 20714
Ion Ratio Lower Upper
96 100
61 179.4 147.0 220.6
98 66.2 49.8 74.6





#13

Acrolein

Concen: 106.085 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

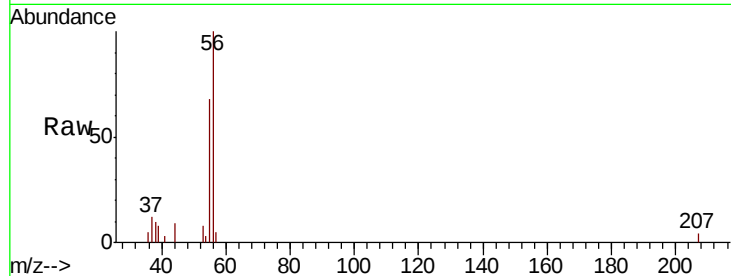
VSTDIC020

Tot Ion: 56 Resp: 14385

Ion Ratio Lower Upper

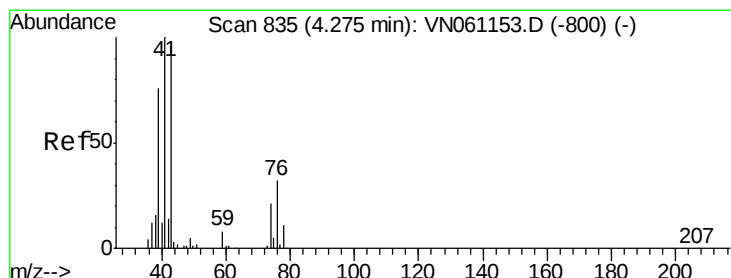
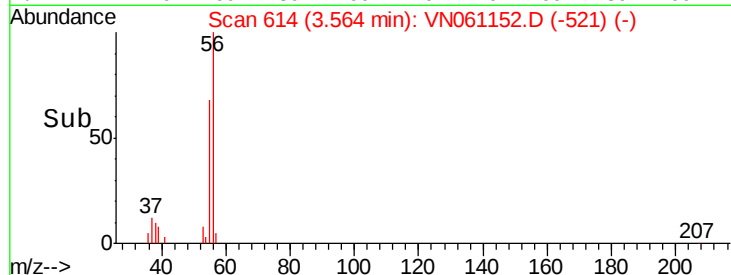
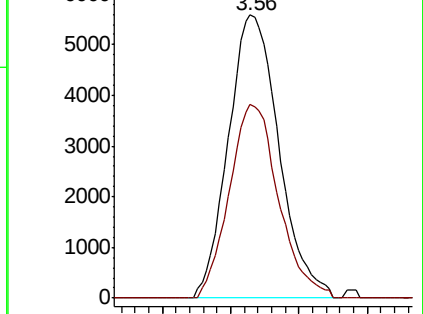
56 100

55 66.7 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN061152.D (-521) (-)

Ion 55.00 (54.70 to 55.70): VN061152.D (-521) (-)



#14

Allyl chloride

Concen: 23.337 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

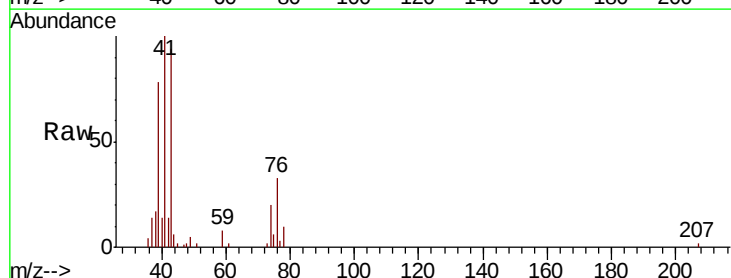
Tgt Ion: 41 Resp: 39464

Ion Ratio Lower Upper

41 100

39 78.1 57.1 85.7

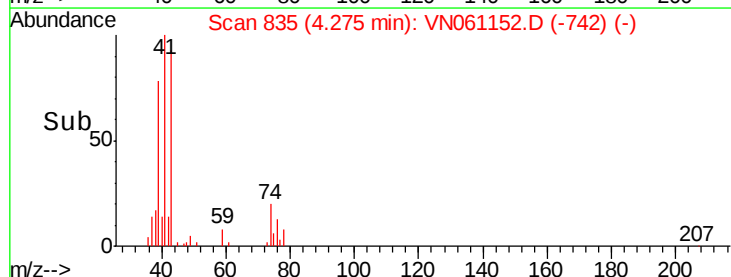
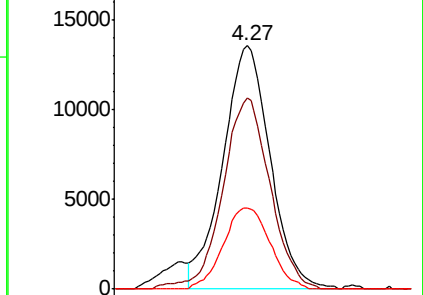
76 33.0 24.3 36.5

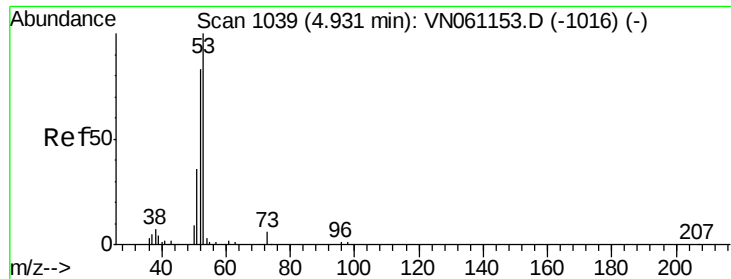


Abundance Ion 41.00 (40.70 to 41.70): VN061152.D (-742) (-)

Ion 39.00 (38.70 to 39.70): VN061152.D (-742) (-)

Ion 75.90 (75.60 to 76.60): VN061152.D (-742) (-)

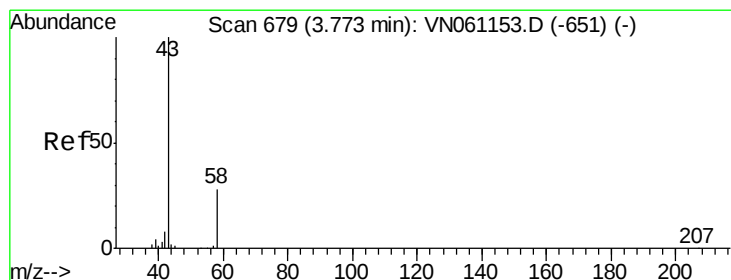
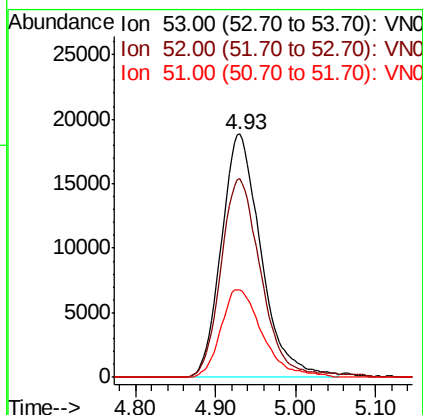
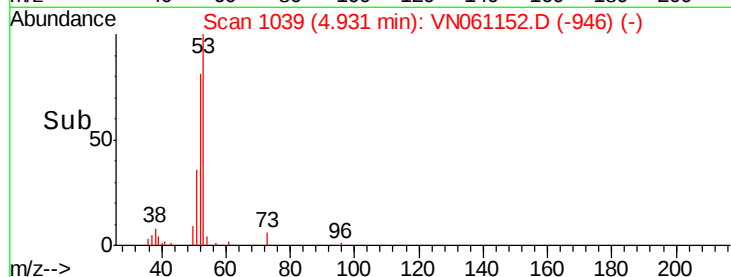
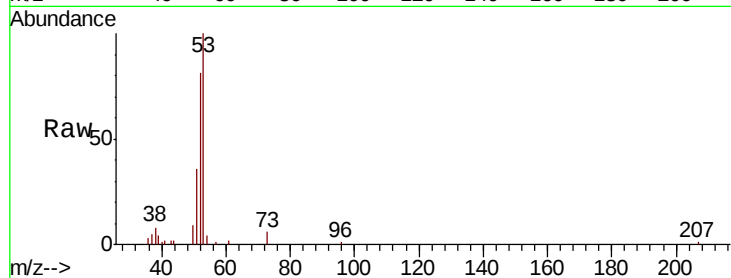




#15
 Acrylonitrile
 Concen: 113.264 ug/l
 RT: 4.93 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

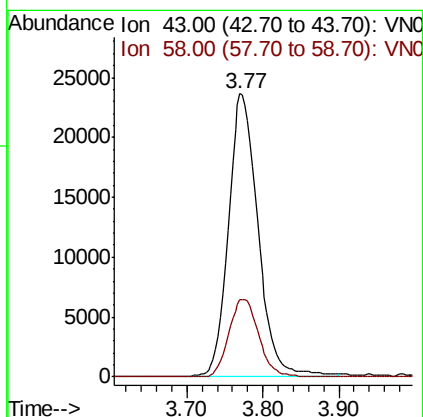
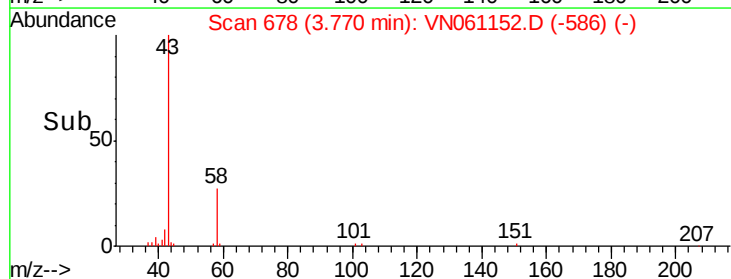
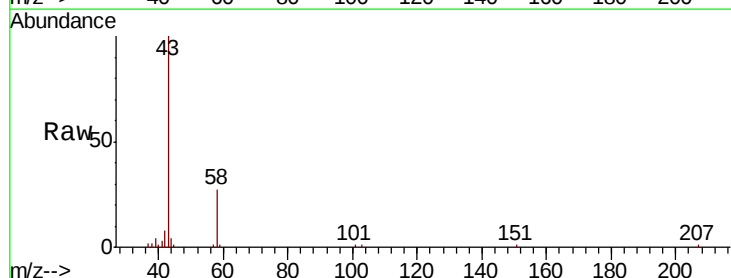
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

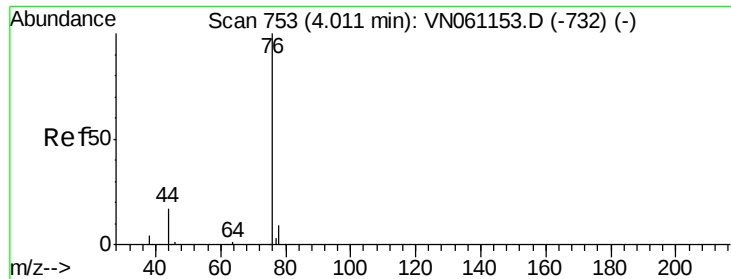
Tot Ion	53	Resp	64144
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.4	98.0
51	37.7	29.5	44.3



#16
 Acetone
 Concen: 94.356 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion	43	Resp	64272
Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.2	33.2

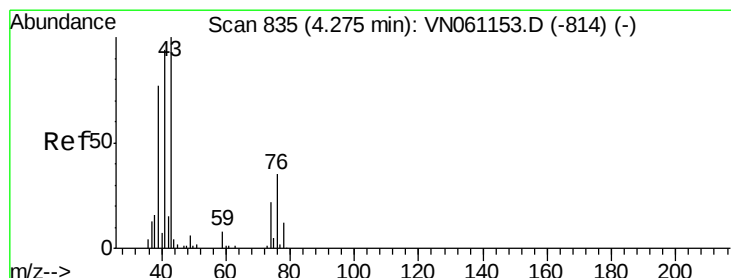
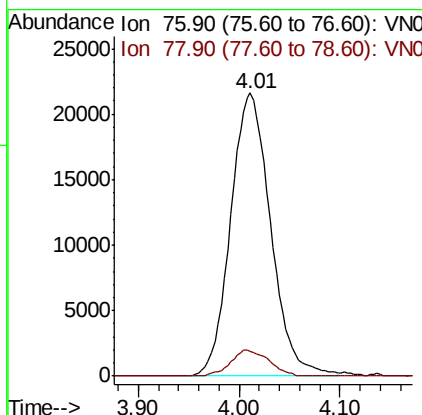
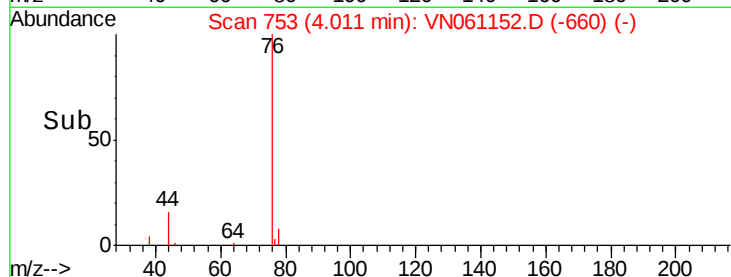
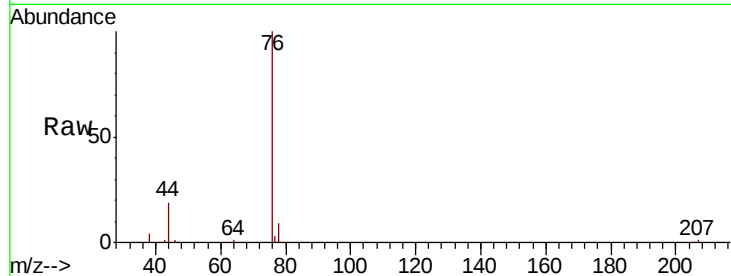




#17
Carbon Disulfide
Concen: 19.316 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

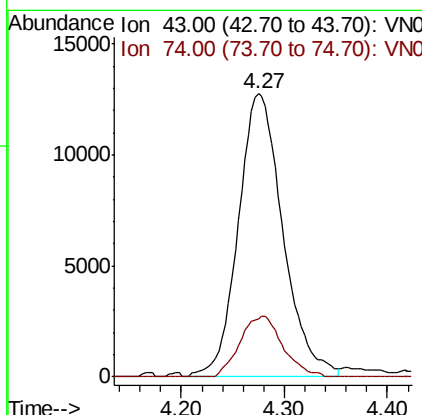
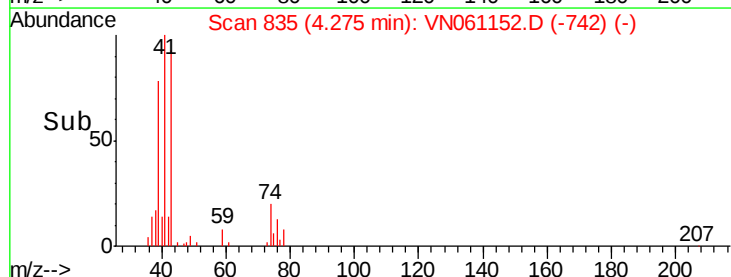
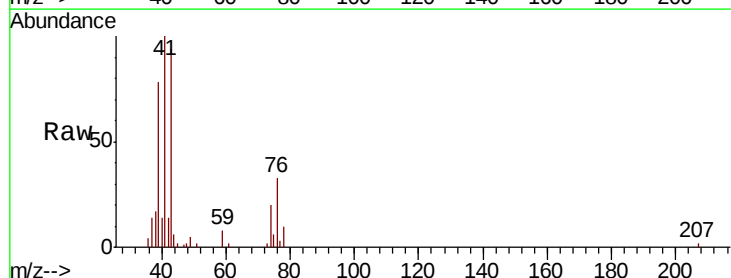
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

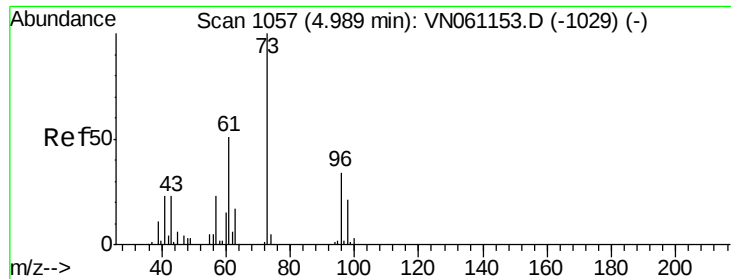
Tot Ion: 76 Resp: 59502
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 20.828 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 43 Resp: 38414
Ion Ratio Lower Upper
43 100
74 20.5 17.0 25.4

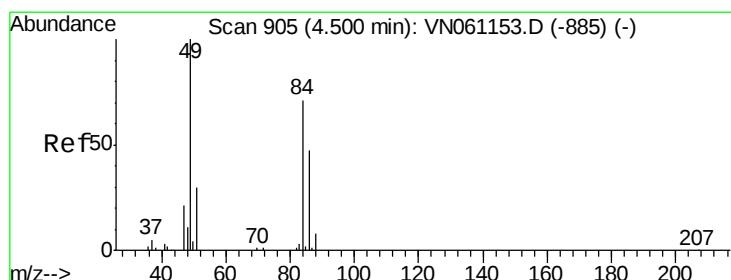
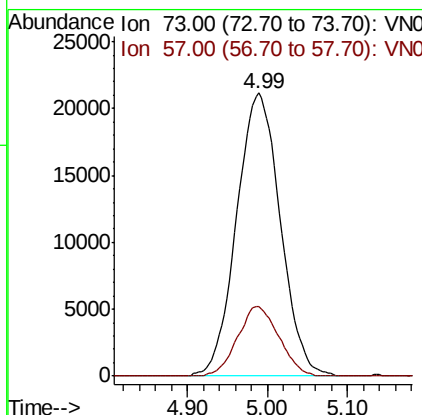
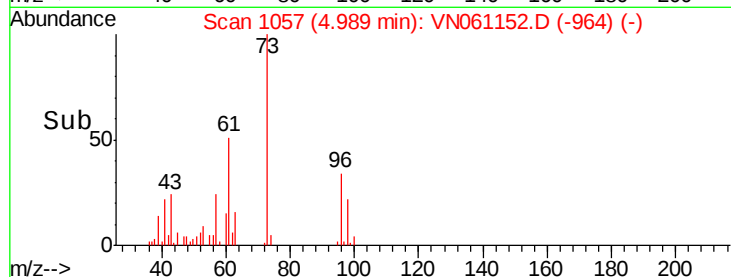
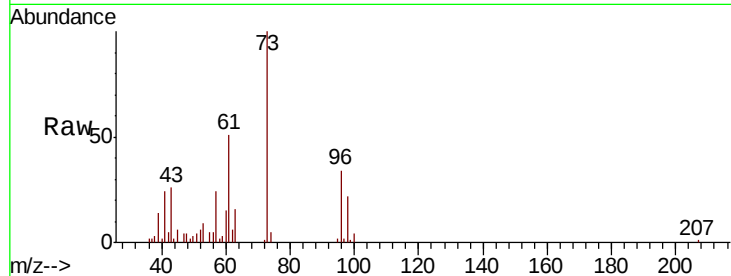




#19
Methvl tert-butvl Ether
Concen: 21.126 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

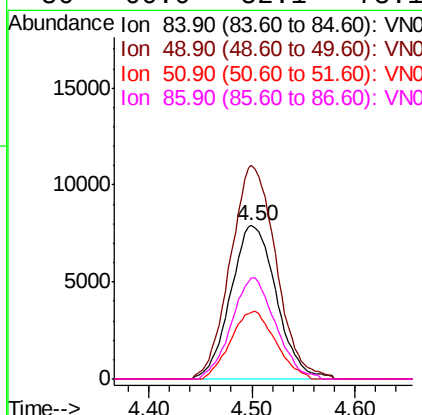
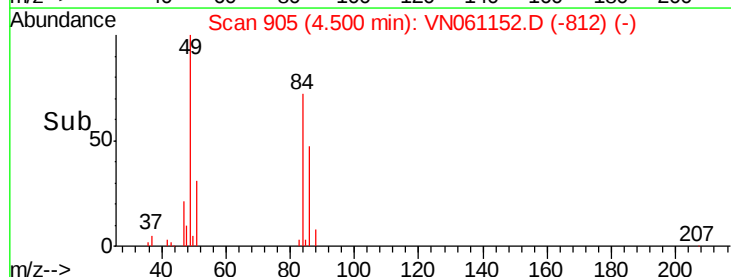
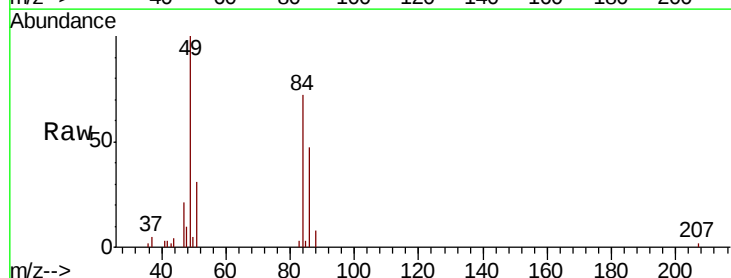
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

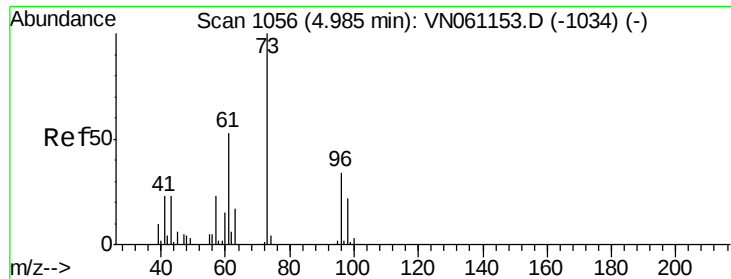
Tot Ion: 73 Resp: 78723
Ion Ratio Lower Upper
73 100
57 24.5 18.3 27.5



#20
Methylene Chloride
Concen: 20.146 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 84 Resp: 24426
Ion Ratio Lower Upper
84 100
49 139.3 112.0 168.0
51 43.8 33.6 50.4
86 66.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 18.290 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

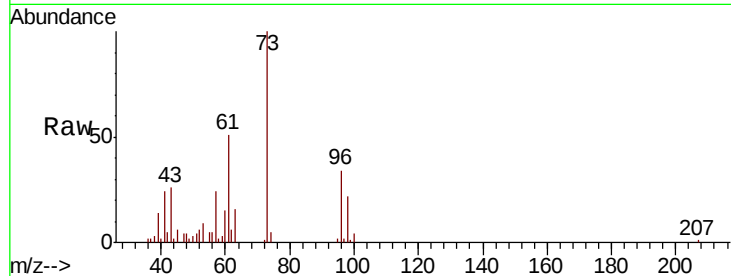
Tot Ion: 96 Resp: 22754

Ion Ratio Lower Upper

96 100

61 147.4 123.0 184.4

98 62.8 50.1 75.1

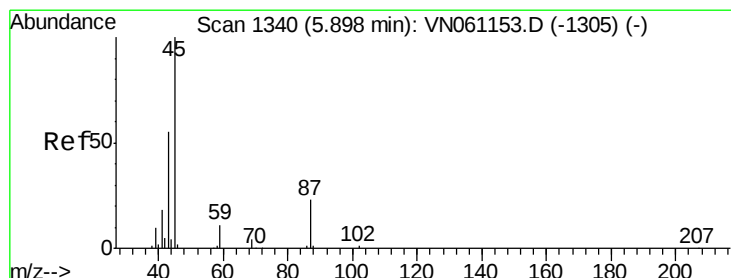
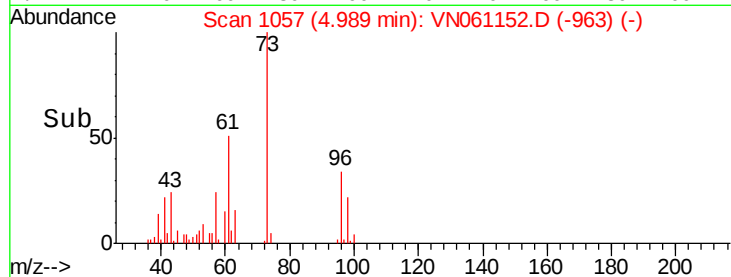
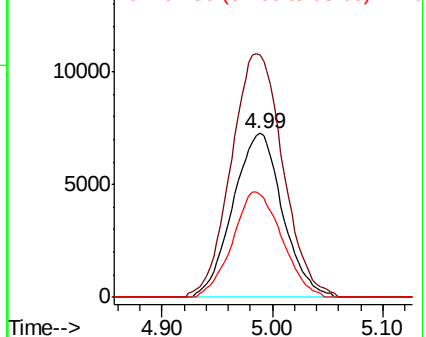


Abundance

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: 22.602 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Tgt Ion: 45 Resp: 88691

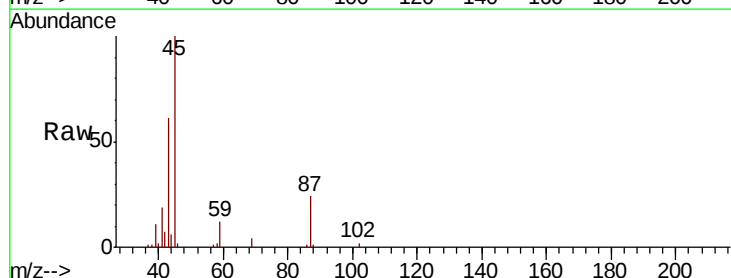
Ion Ratio Lower Upper

45 100

43 59.1 47.9 71.9

87 24.5 19.2 28.8

59 11.9 9.0 13.4



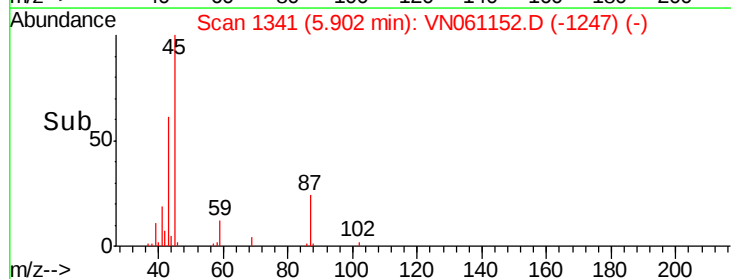
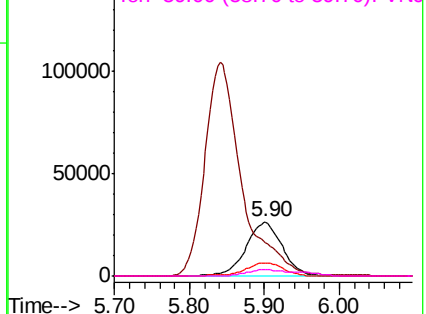
Abundance

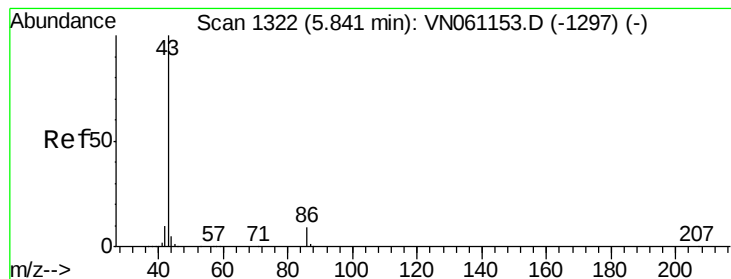
Ion 45.00 (44.70 to 45.70): VN0

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: 113.565 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

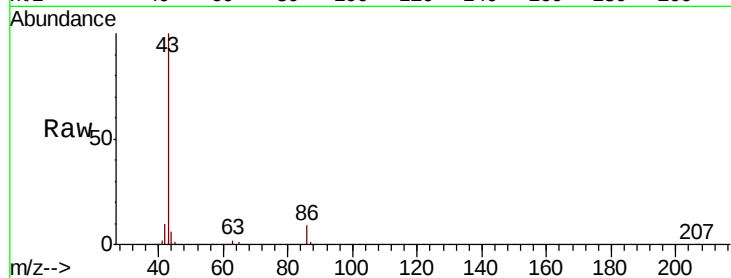
VSTDIC020

Tot Ion: 43 Resp: 357523

Ion Ratio Lower Upper

43 100

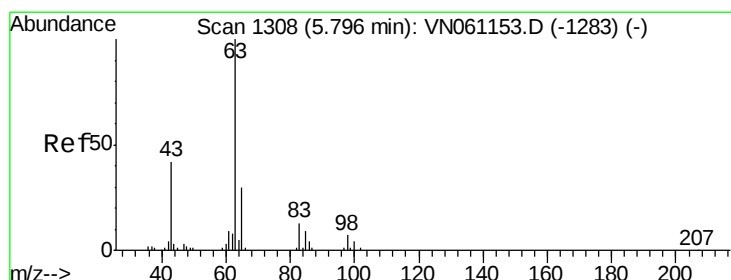
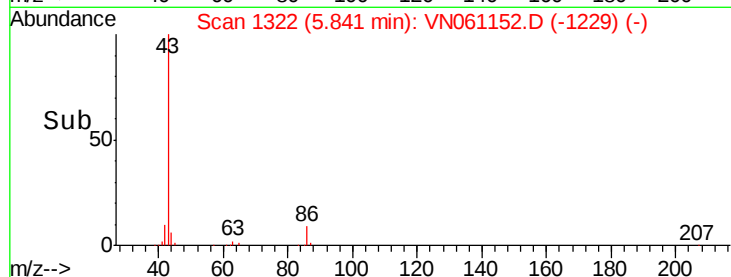
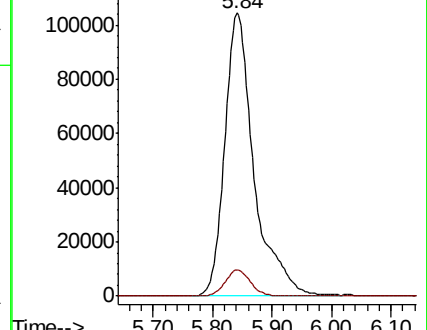
86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061152.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061152.D (-1297) (-)

5.84



#24

1,1-Dichloroethane

Concen: 21.980 ug/l

RT: 5.80 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

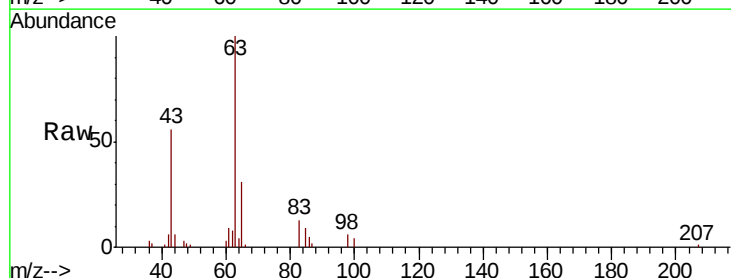
Tgt Ion: 63 Resp: 47069

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.1 1.9 5.7

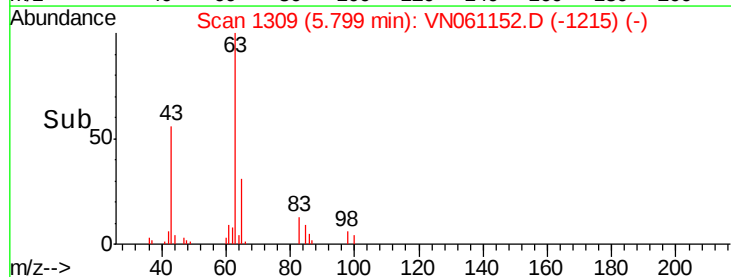
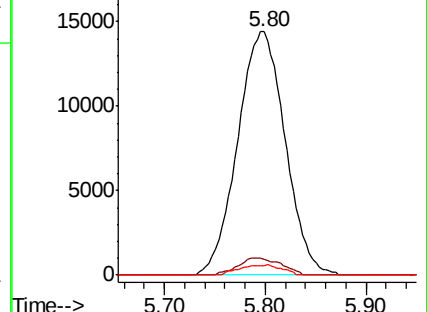


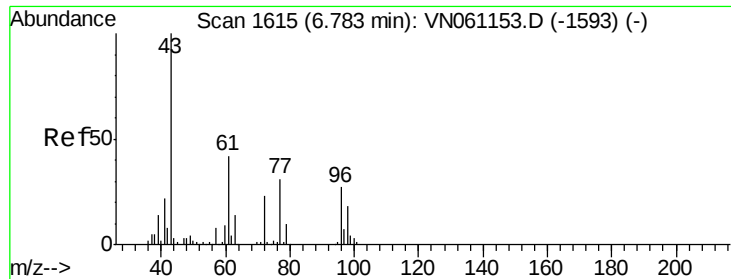
Abundance Ion 62.90 (62.60 to 63.60): VN061152.D (-1283) (-)

Ion 97.90 (97.60 to 98.60): VN061152.D (-1283) (-)

Ion 99.90 (99.60 to 100.60): VN061152.D (-1283) (-)

5.80

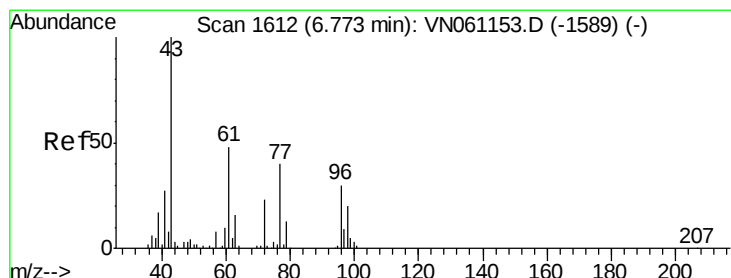
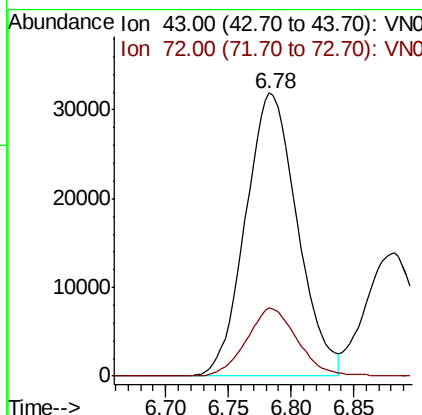
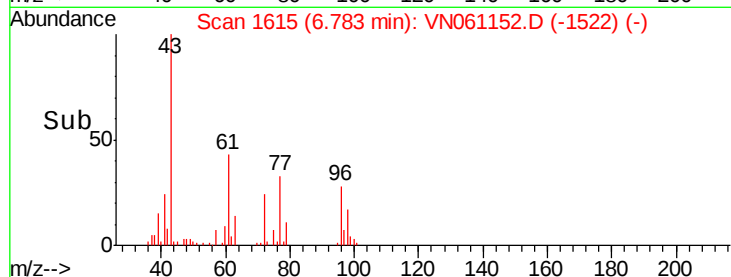
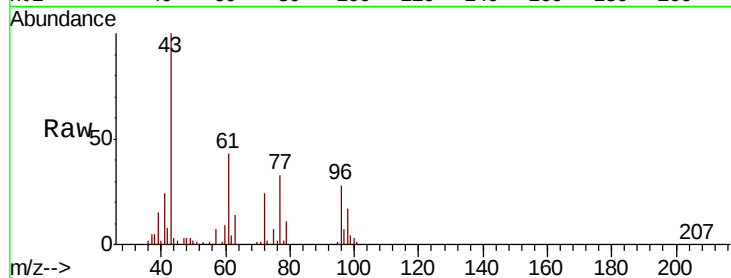




#25
2-Butanone
Concen: 117.782 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

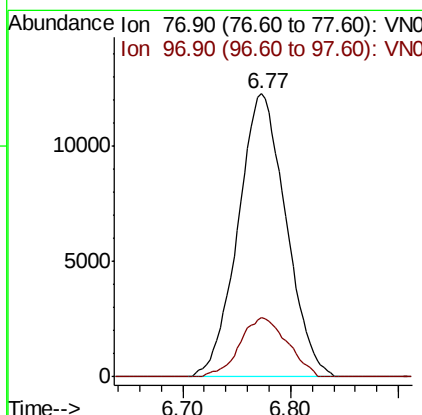
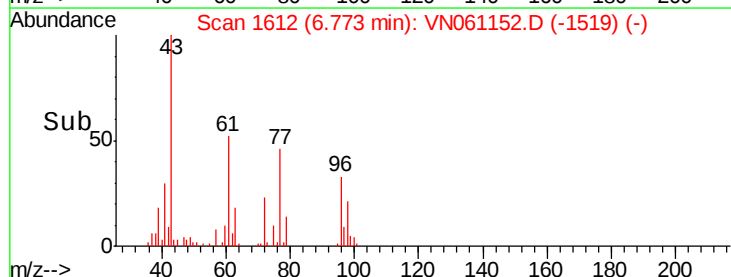
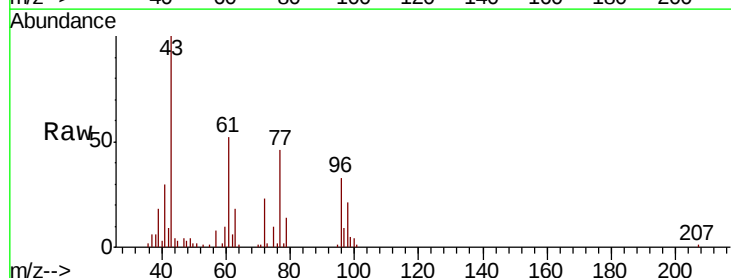
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

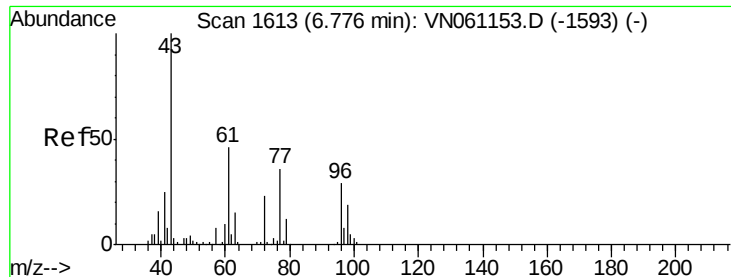
Tot Ion: 43 Resp: 91931
Ion Ratio Lower Upper
43 100
72 24.0 18.2 27.4



#26
2,2-Dichloropropane
Concen: 20.107 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 77 Resp: 37985
Ion Ratio Lower Upper
77 100
97 20.7 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.079 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

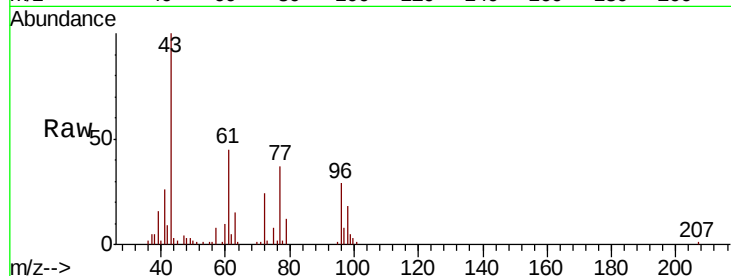
Tot Ion: 96 Resp: 26411

Ion Ratio Lower Upper

96 100

61 161.7 0.0 322.0

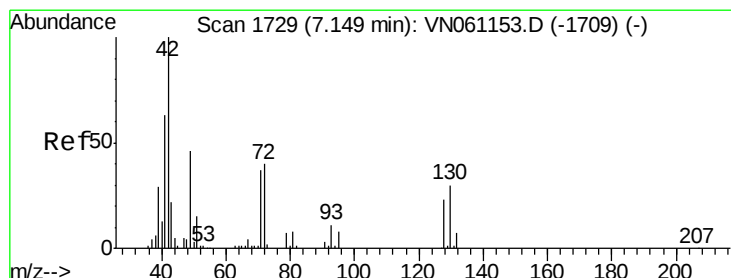
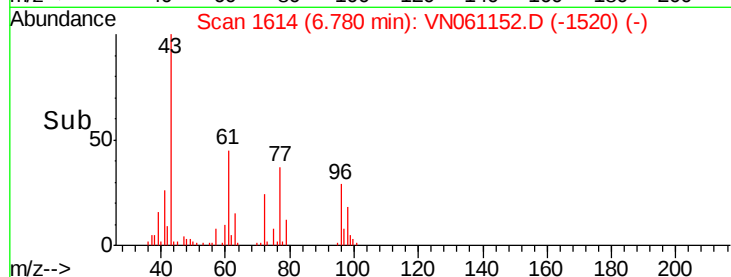
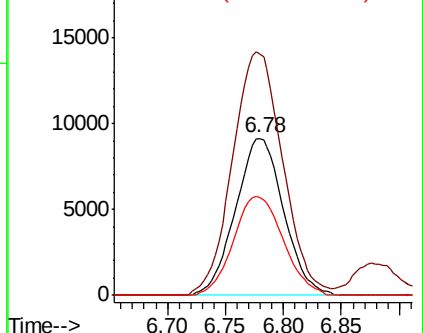
98 65.1 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061152.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN061152.D (-1593) (-)

Ion 97.90 (97.60 to 98.60): VN061152.D (-1593) (-)



#28

Bromochloromethane

Concen: 24.946 ug/l

RT: 7.15 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

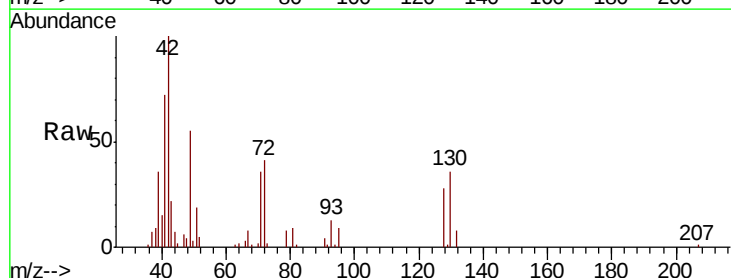
Tgt Ion: 49 Resp: 23169

Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.0

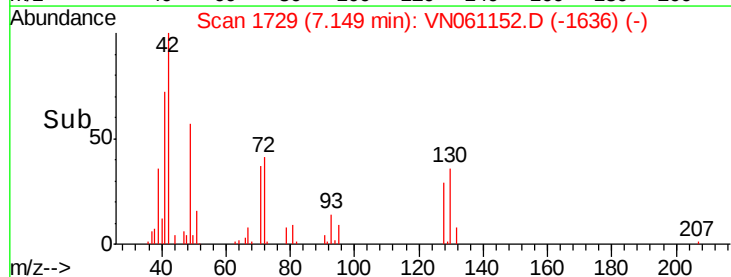
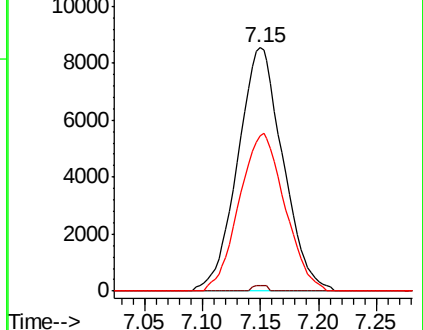
130 65.2 51.4 77.2



Abundance Ion 48.90 (48.60 to 49.60): VN061152.D (-1636) (-)

Ion 128.80 (128.50 to 129.50): VN061152.D (-1636) (-)

Ion 129.80 (129.50 to 130.50): VN061152.D (-1636) (-)

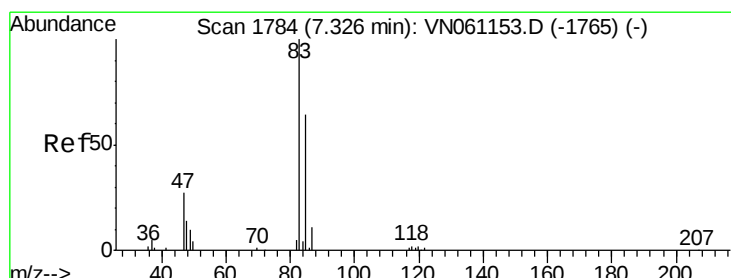
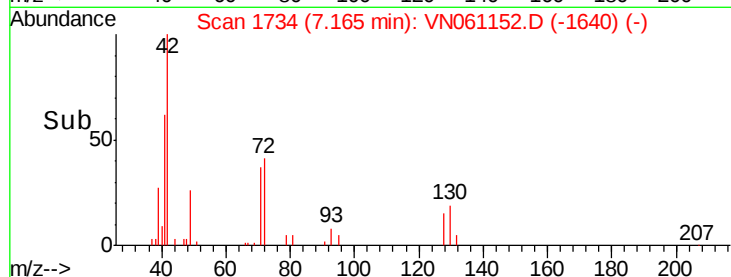
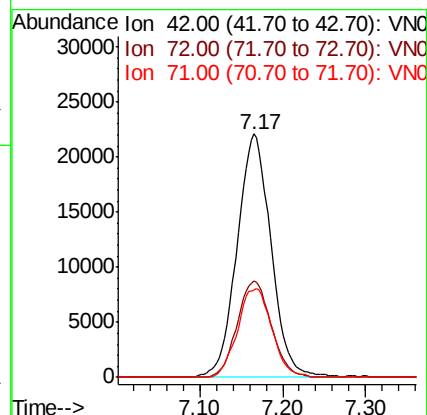
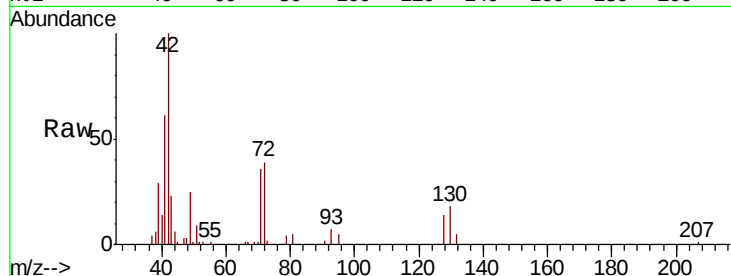




#29
Tetrahydrofuran
Concen: 117.408 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

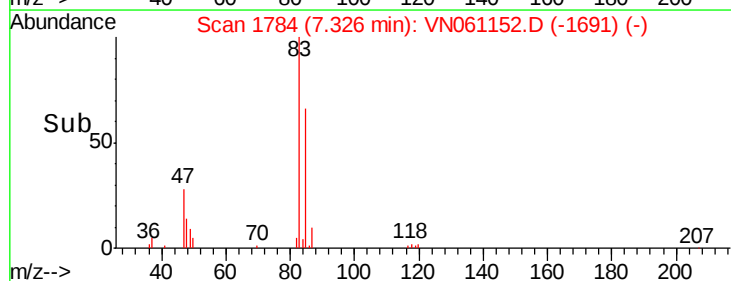
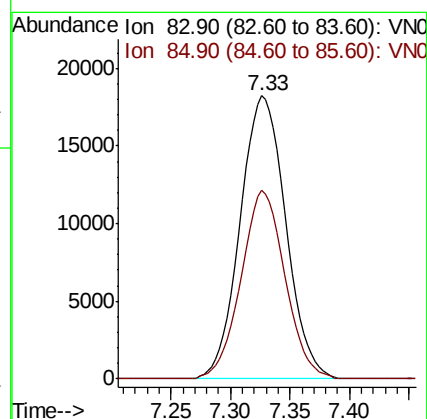
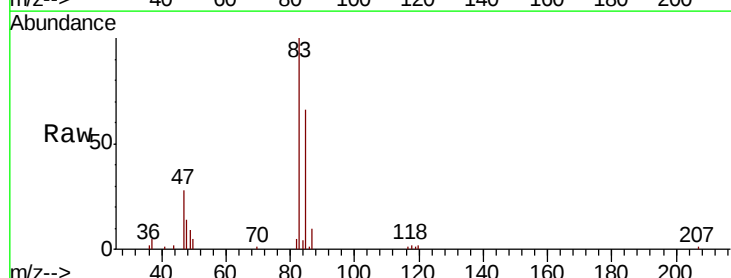
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

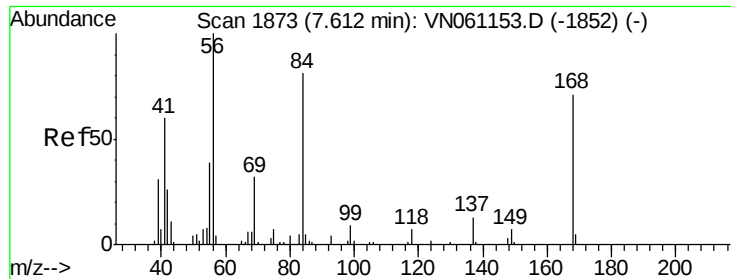
Tot Ion: 42 Resp: 63048
Ion Ratio Lower Upper
42 100
72 39.5 31.4 47.0
71 36.7 29.5 44.3



#30
Chloroform
Concen: 22.375 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 83 Resp: 48433
Ion Ratio Lower Upper
83 100
85 66.5 51.1 76.7





#31

Cyclohexane

Concen: 20.310 ug/l

RT: 7.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

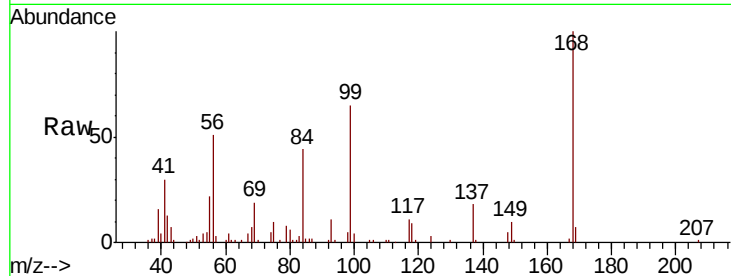
Tot Ion: 56 Resp: 43641

Ion Ratio Lower Upper

56 100

69 37.6 25.7 38.5

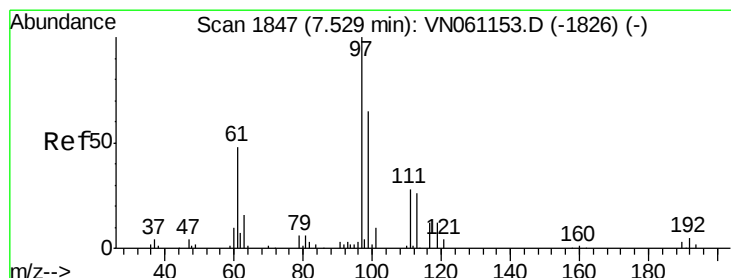
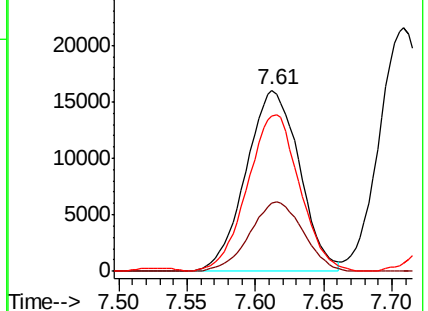
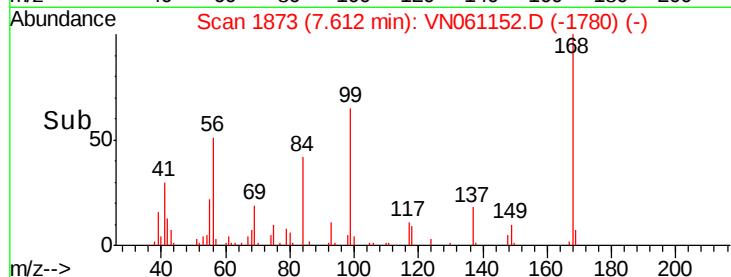
84 85.5 64.6 97.0



Abundance Ion 56.00 (55.70 to 56.70): VN061152.D (-1780) (-)

Ion 69.00 (68.70 to 69.70): VN061152.D (-1780) (-)

Ion 84.00 (83.70 to 84.70): VN061152.D (-1780) (-)



#32

1,1,1-Trichloroethane

Concen: 21.141 ug/l

RT: 7.53 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

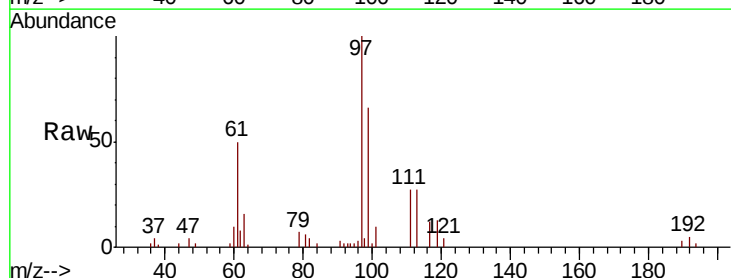
Tgt Ion: 97 Resp: 40798

Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

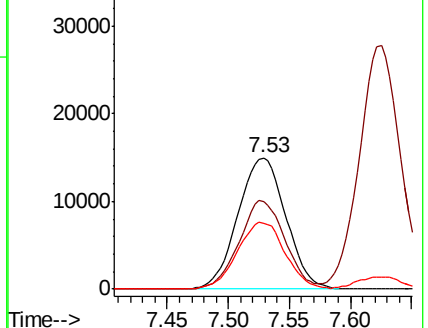
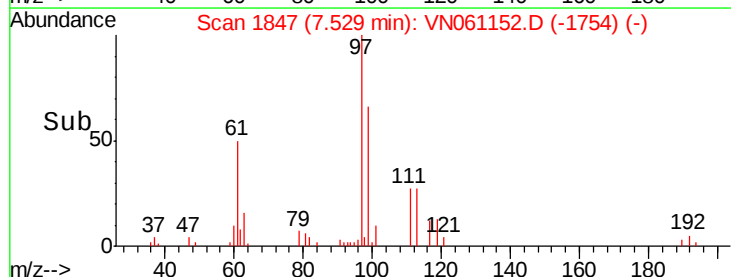
61 50.5 38.6 57.8



Abundance Ion 96.90 (96.60 to 97.60): VN061152.D (-1754) (-)

Ion 98.90 (98.60 to 99.60): VN061152.D (-1754) (-)

Ion 60.90 (60.60 to 61.60): VN061152.D (-1754) (-)

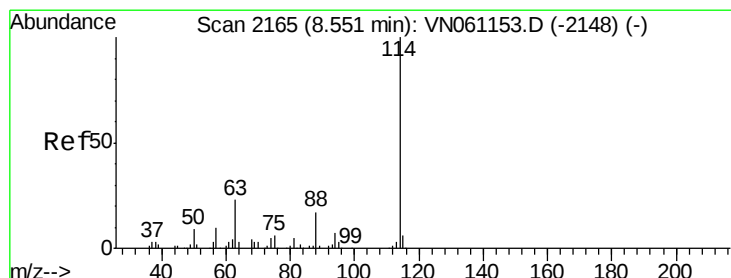
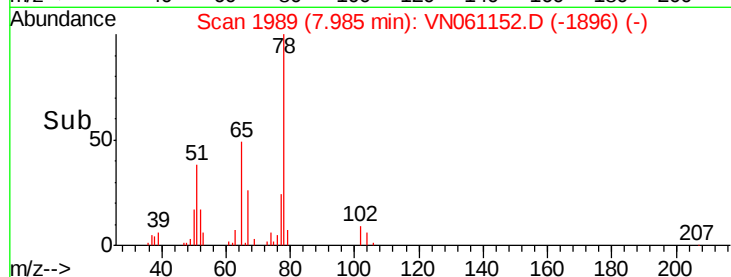
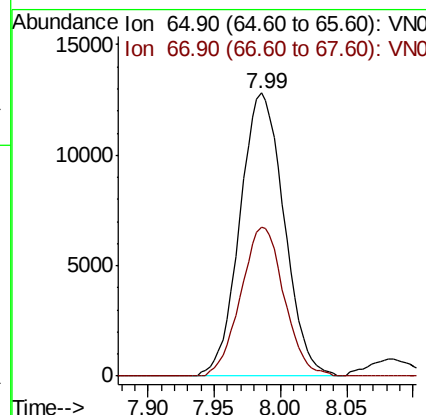
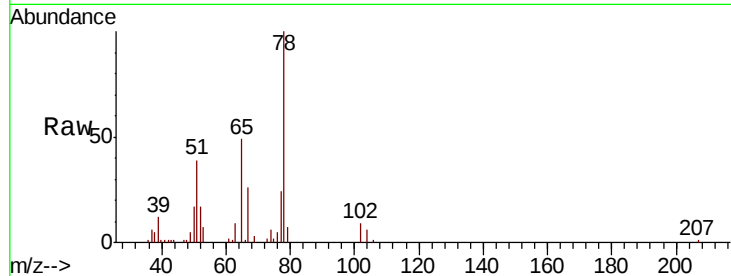




#33
 1,2-Dichloroethane-d4
 Concen: 21.007 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

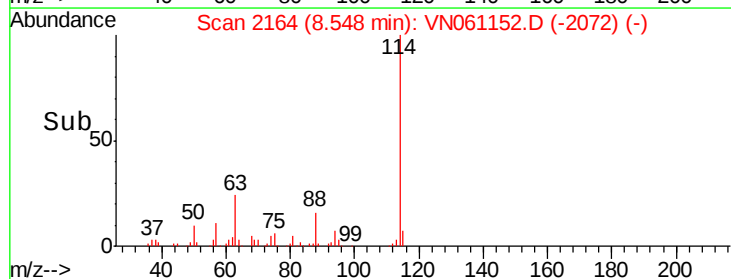
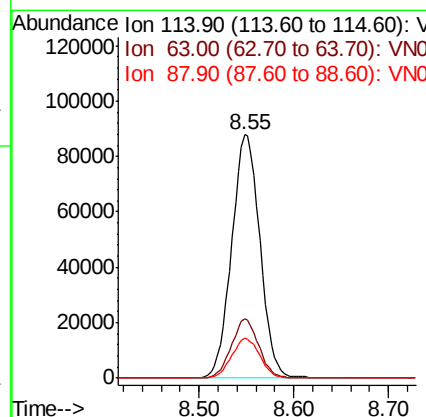
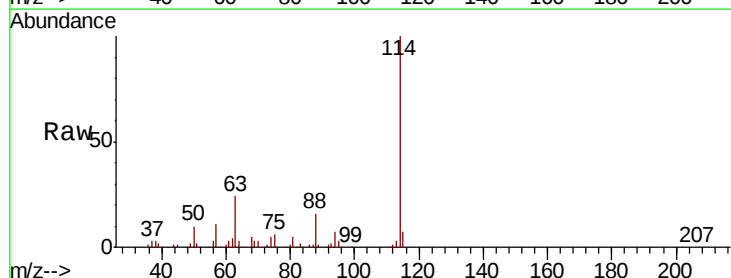
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 29768
 Ion Ratio Lower Upper
 65 100
 67 51.5 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: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion: 114 Resp: 182447
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 46.6
 88 16.3 0.0 33.4

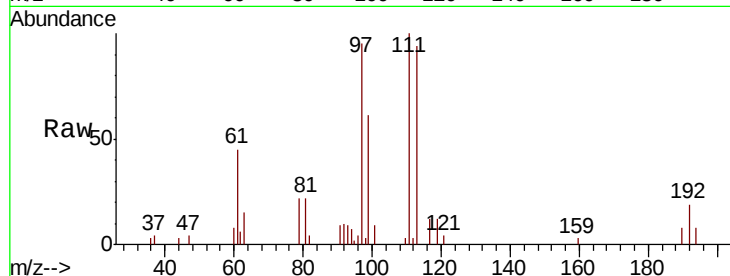




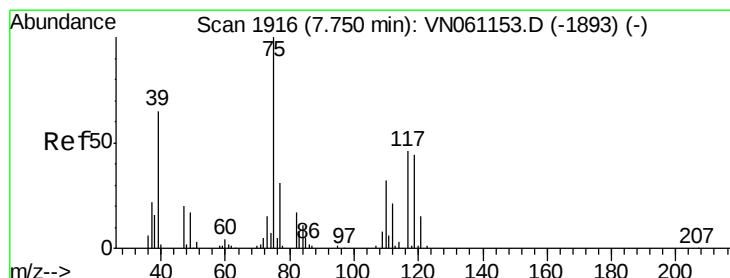
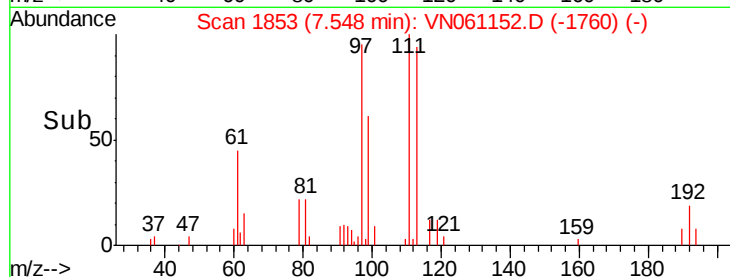
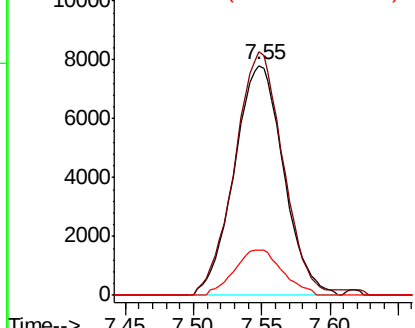
#35
Dibromofluoromethane
Concen: 18.769 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:113 Resp: 19619
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 19.2 14.7 22.1

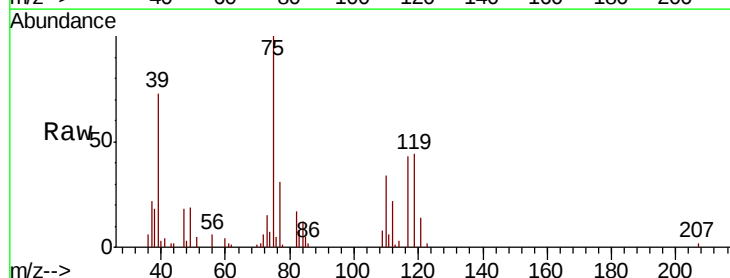


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

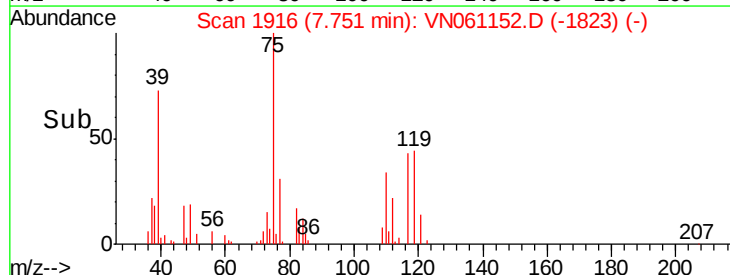
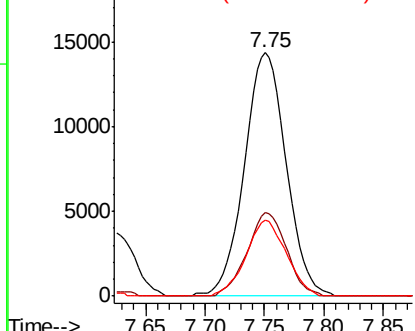


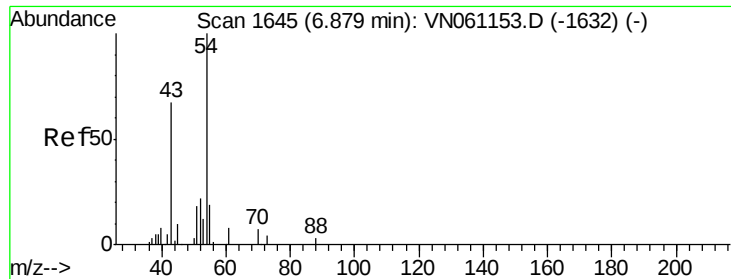
#36
1,1-Dichloropropene
Concen: 19.530 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 75 Resp: 34942
Ion Ratio Lower Upper
75 100
110 32.3 16.0 48.0
77 30.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

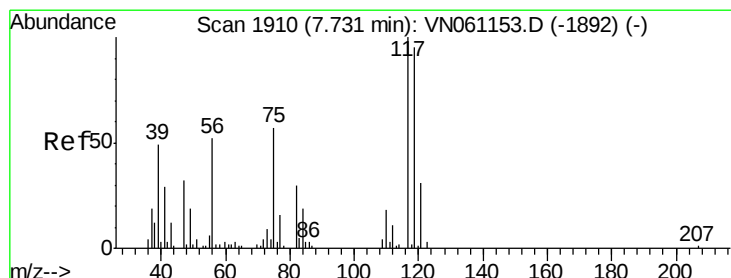
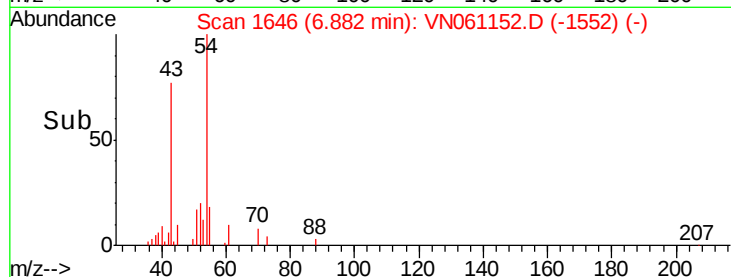
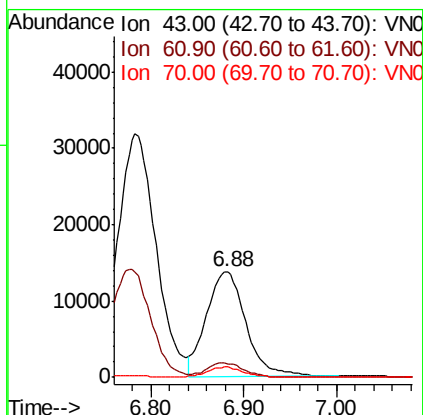
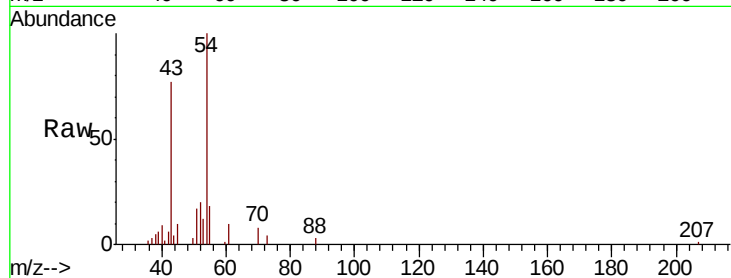




#37
Ethyl Acetate
Concen: 22.144 ug/l
RT: 6.88 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

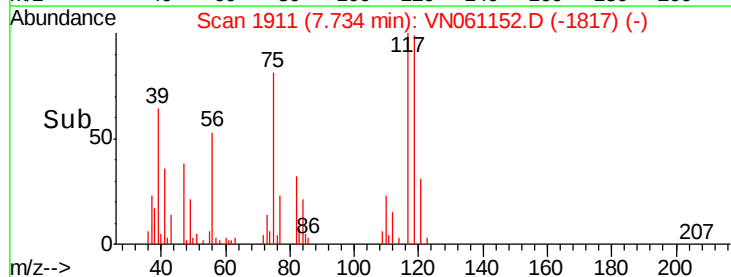
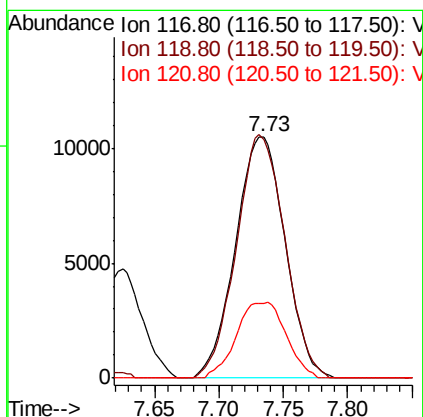
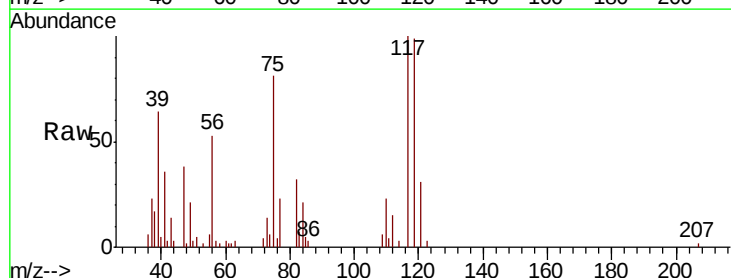
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 40699
Ion Ratio Lower Upper
43 100
61 12.9 10.2 15.2
70 8.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 18.115 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 117 Resp: 28150
Ion Ratio Lower Upper
117 100
119 98.8 75.8 113.6
121 31.2 24.7 37.1

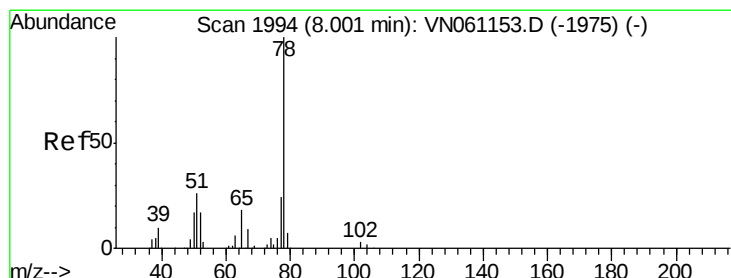
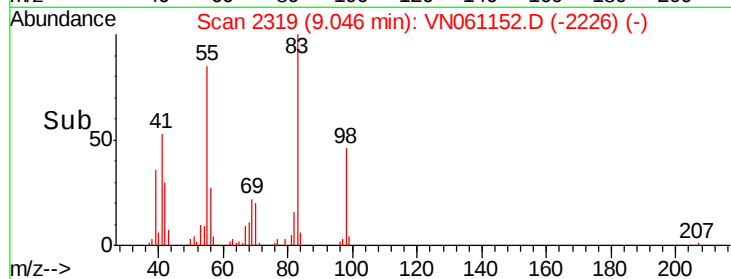
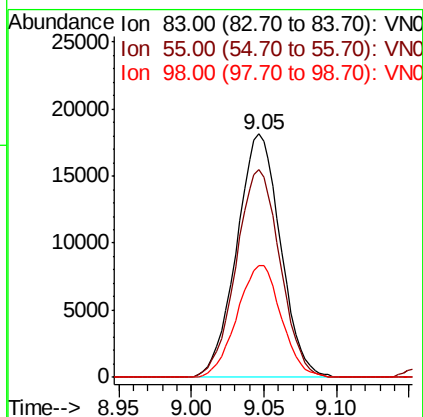
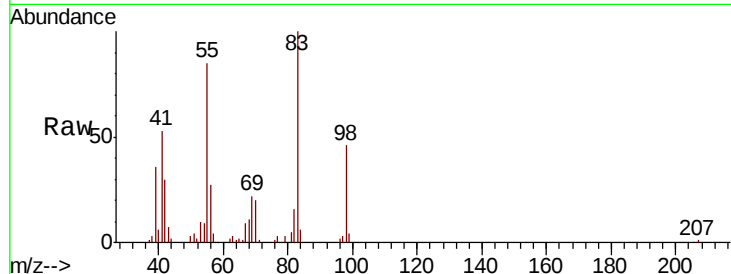




#39
Methvlcvclohexane
Concen: 17.649 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

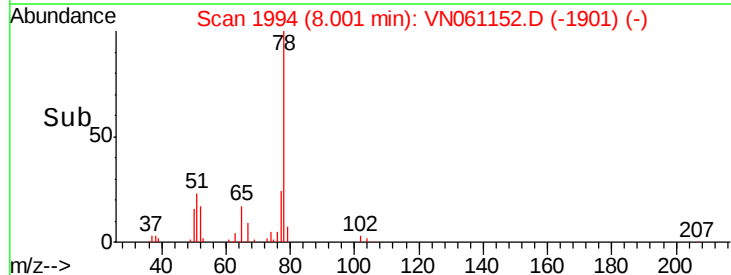
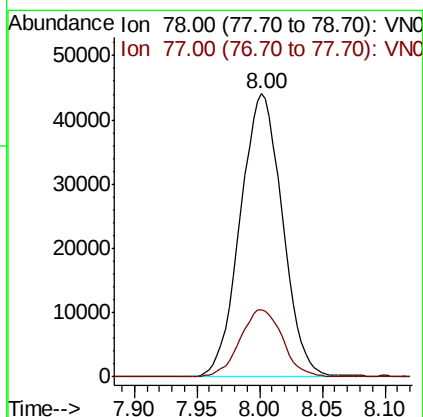
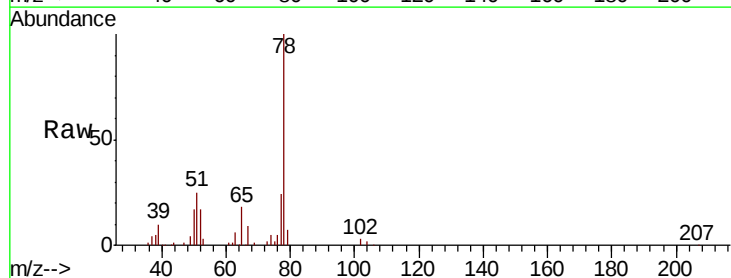
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

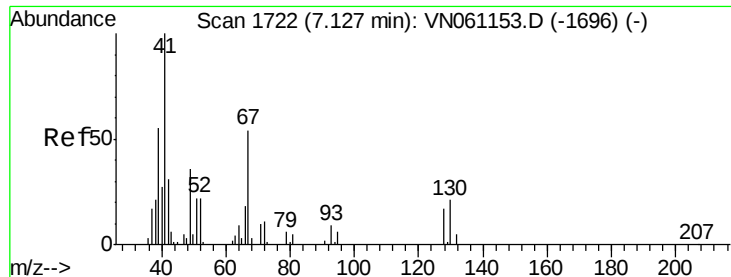
Tot Ion: 83 Resp: 38060
Ion Ratio Lower Upper
83 100
55 85.4 67.3 100.9
98 45.7 37.7 56.5



#40
Benzene
Concen: 19.524 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 78 Resp: 103259
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

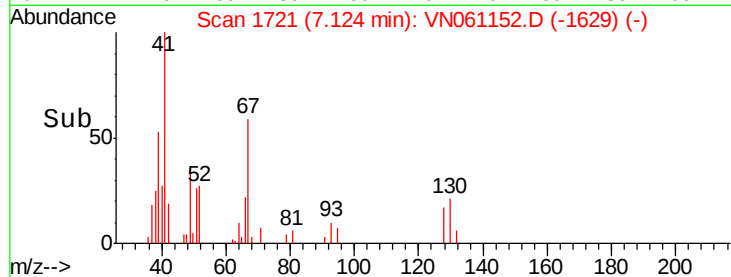
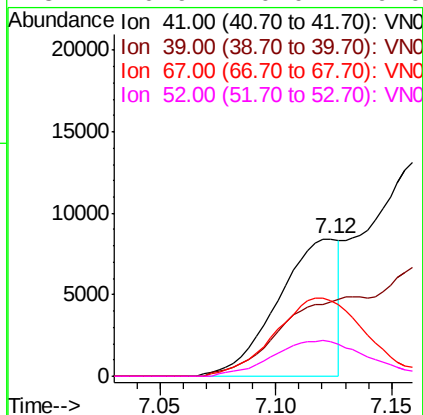
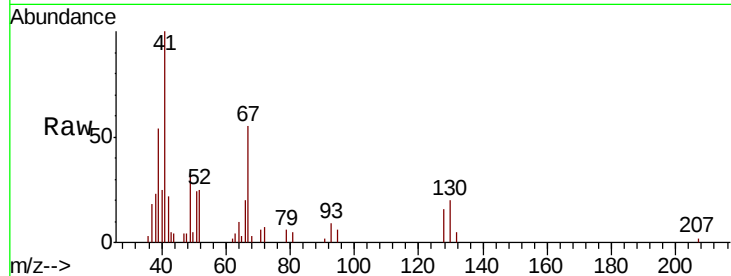




#41
Methacrylonitrile
Concen: 18.212 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

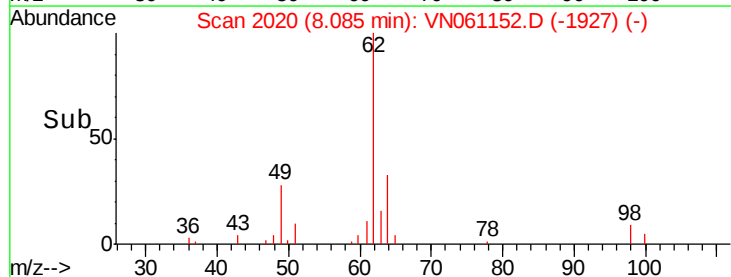
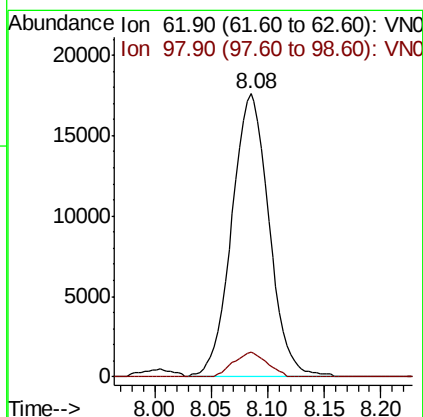
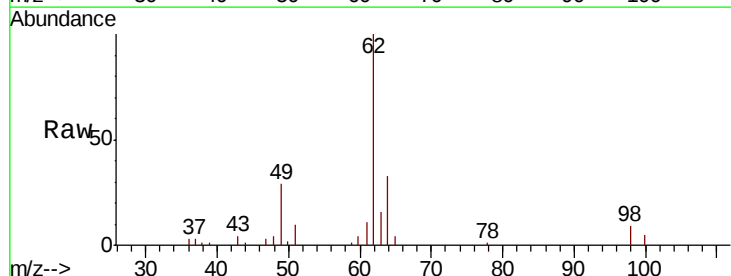
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

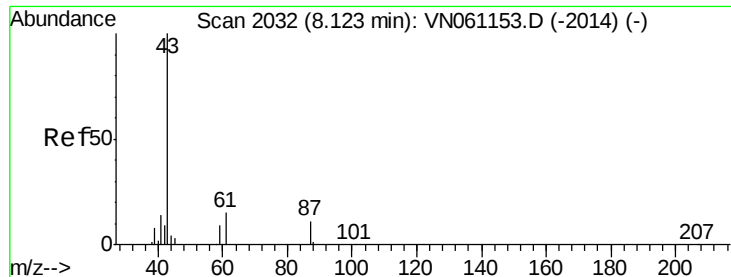
Tot Ion:	41	Resp:	15334
Ion	Ratio	Lower	Upper
41	100		
39	80.6	0.0	0.0#
67	85.8	0.0	0.0#
52	40.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 21.167 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion:	62	Resp:	40465
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.8





#43

Isopropyl Acetate

Concen: 21.310 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

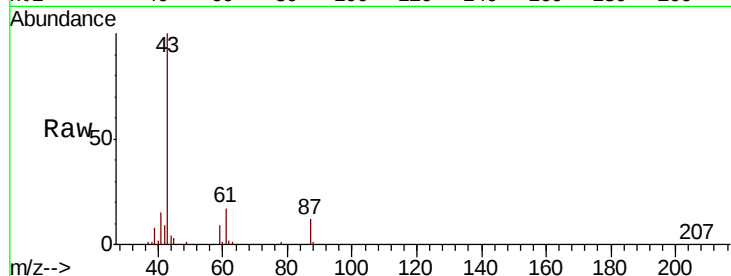
Tot Ion: 43 Resp: 66324

Ion Ratio Lower Upper

43 100

61 23.7 19.5 29.3

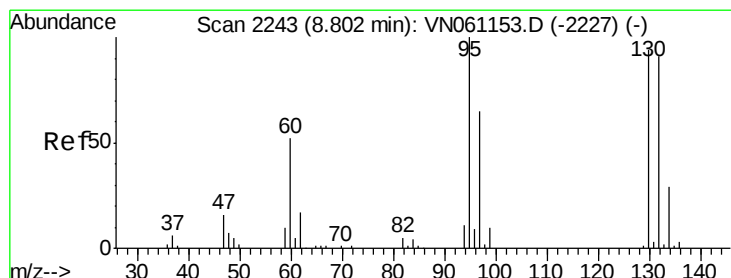
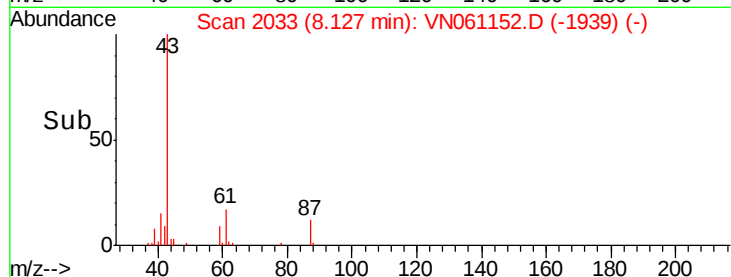
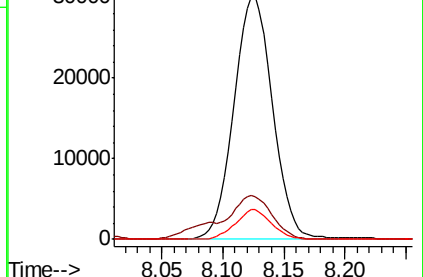
87 11.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#44

Trichloroethene

Concen: 18.265 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061152.D

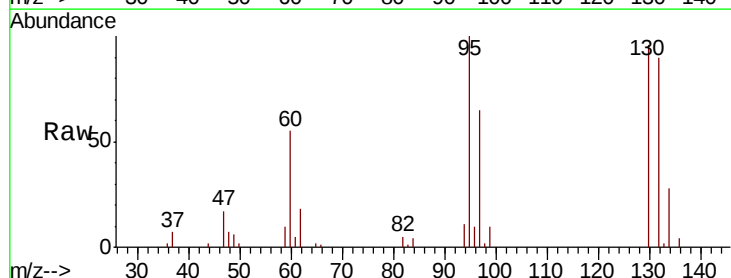
Acq: 27 Apr 2020 16:49

Tgt Ion: 130 Resp: 27772

Ion Ratio Lower Upper

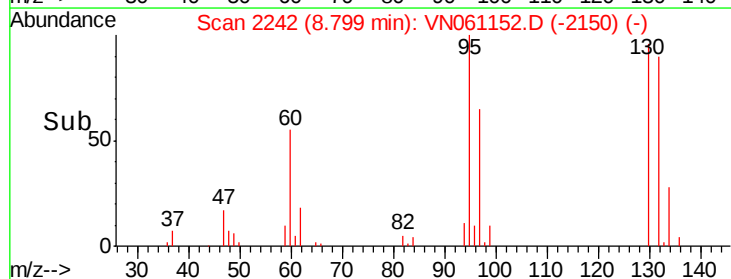
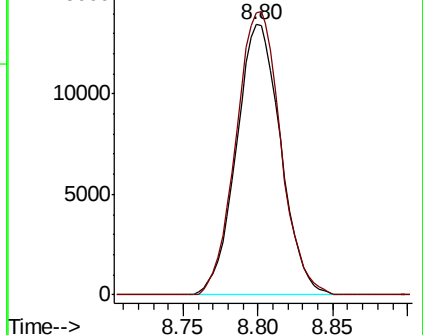
130 100

95 104.3 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)

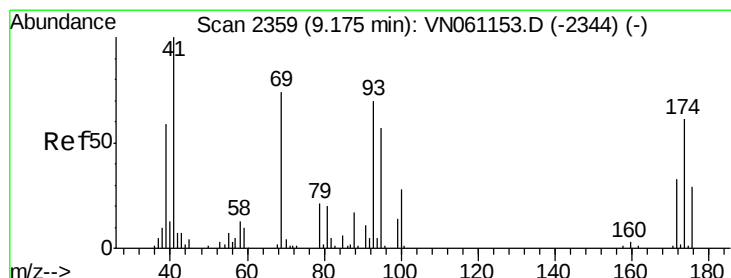
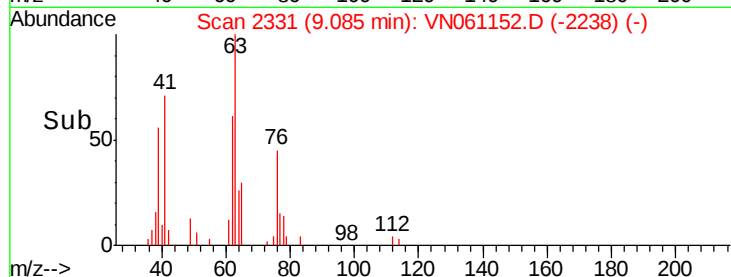
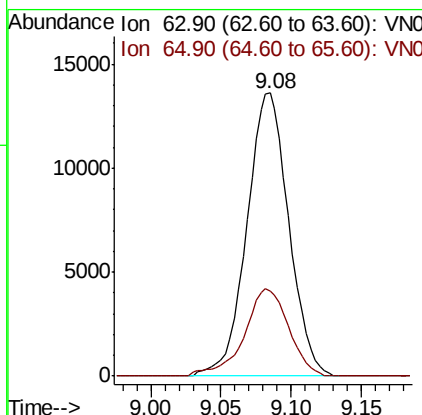
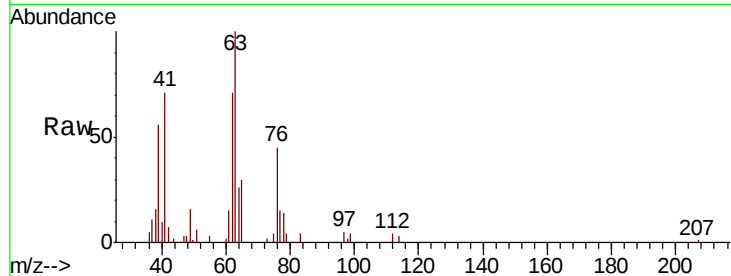




#45
 1,2-Dichloropropane
 Concen: 20.044 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

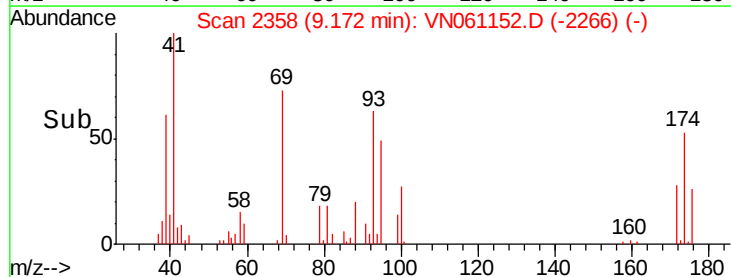
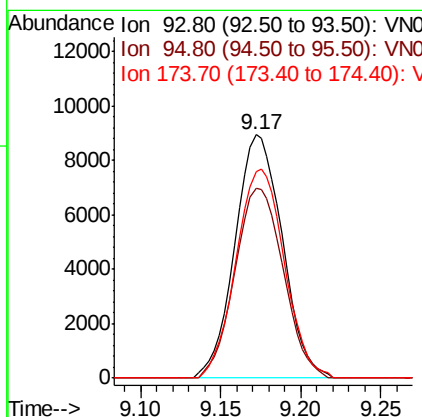
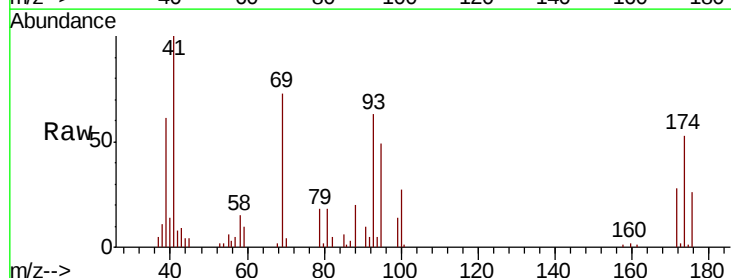
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

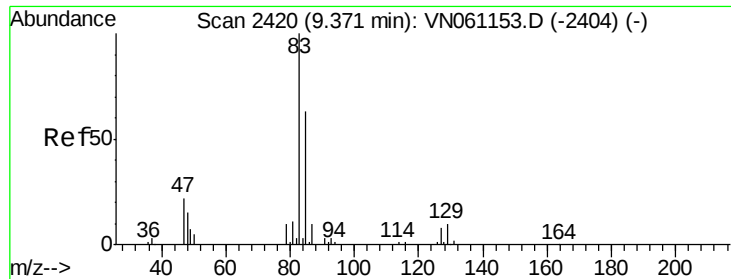
Tot Ion: 63 Resp: 28182
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.7 37.1



#46
 Dibromomethane
 Concen: 20.183 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion: 93 Resp: 18083
 Ion Ratio Lower Upper
 93 100
 95 79.7 66.6 99.8
 174 87.6 70.2 105.2





#47

Bromodichloromethane

Concen: 20.565 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

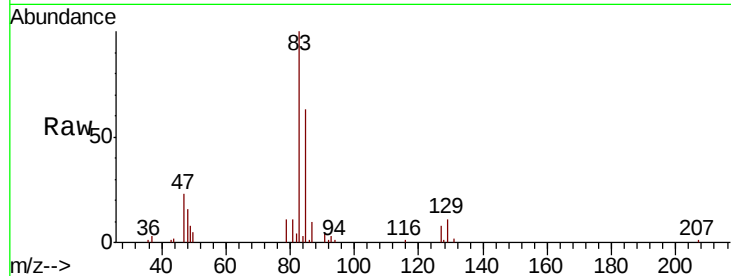
Tot Ion: 83 Resp: 36643

Ion Ratio Lower Upper

83 100

85 63.3 50.4 75.6

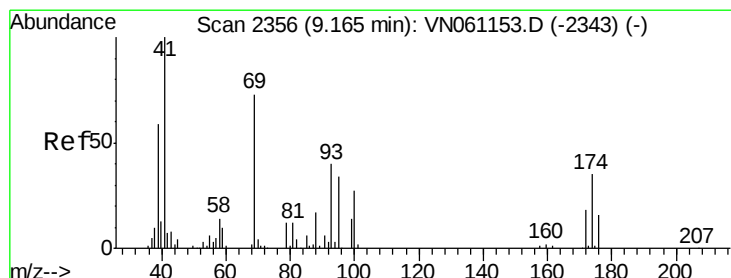
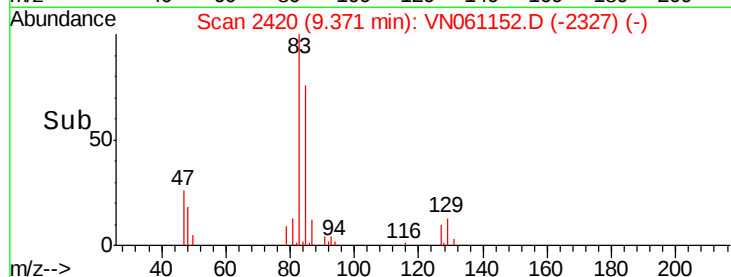
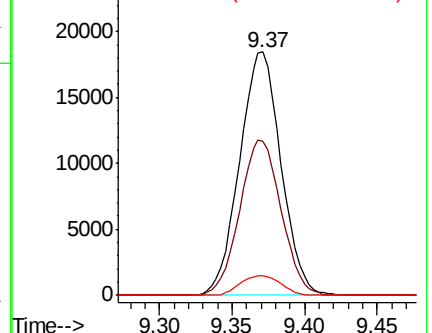
127 8.0 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061152.D (-2327) (-)

Ion 84.90 (84.60 to 85.60): VN061152.D (-2327) (-)

Ion 126.80 (126.50 to 127.50): VN061152.D (-2327) (-)



#48

Methyl methacrylate

Concen: 19.953 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

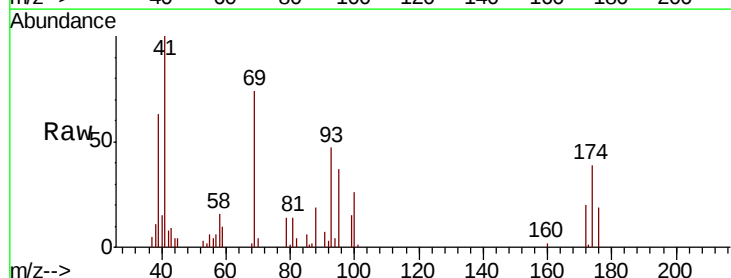
Tgt Ion: 41 Resp: 29106

Ion Ratio Lower Upper

41 100

69 75.6 60.3 90.5

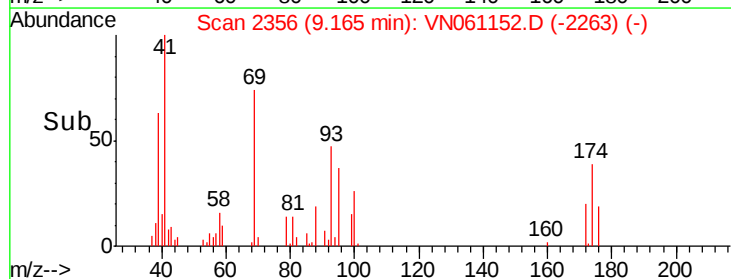
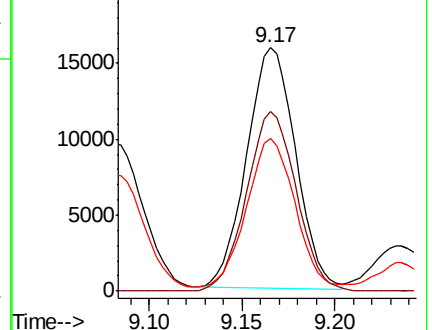
39 64.7 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VN061152.D (-2263) (-)

Ion 69.00 (68.70 to 69.70): VN061152.D (-2263) (-)

Ion 39.00 (38.70 to 39.70): VN061152.D (-2263) (-)

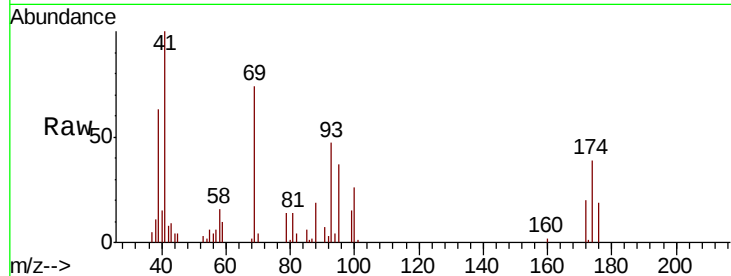




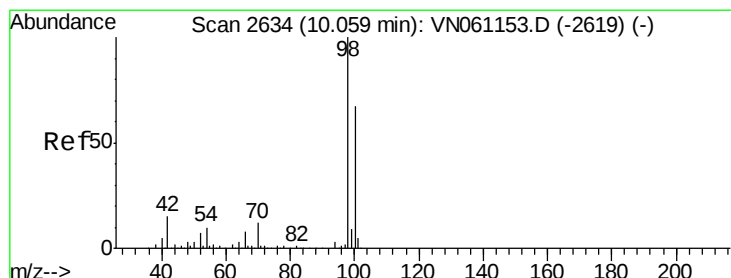
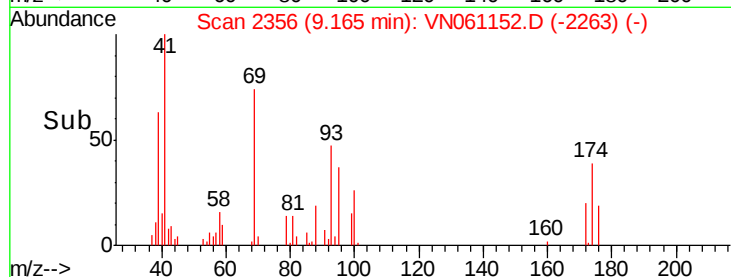
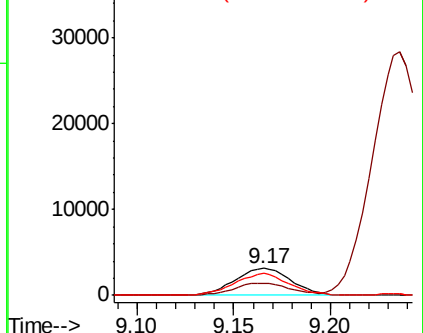
#49
1,4-Dioxane
Concen: 295.686 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 6311
Ion Ratio Lower Upper
88 100
43 46.2 35.3 52.9
58 78.3 61.5 92.3

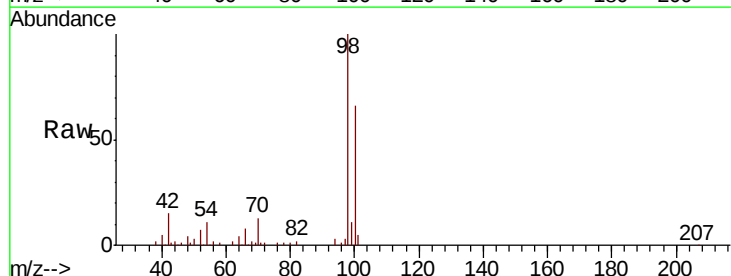


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

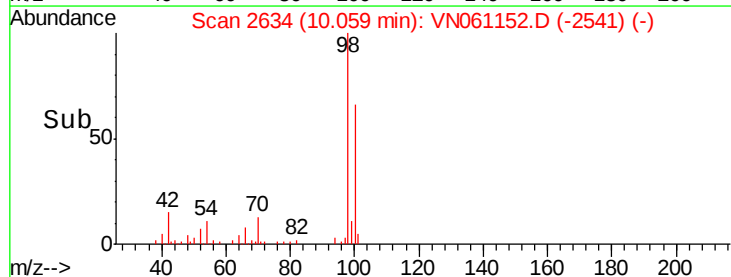
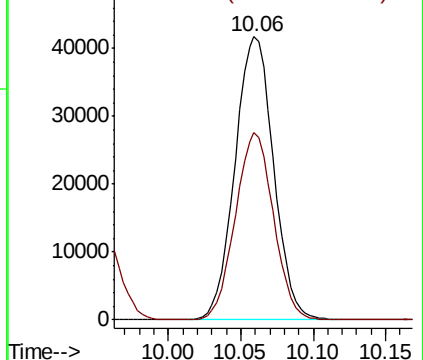


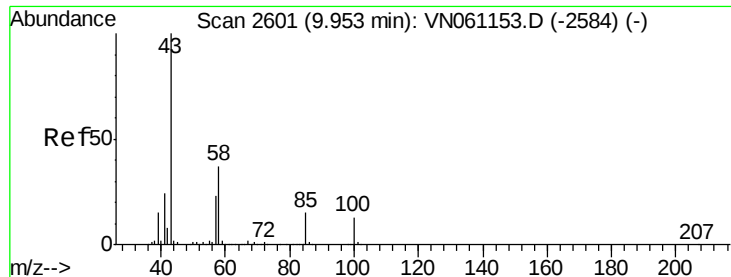
#50
Toluene-d8
Concen: 17.356 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 98 Resp: 77115
Ion Ratio Lower Upper
98 100
100 65.4 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: 108.635 ug/l

RT: 9.95 min Scan# 2601

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

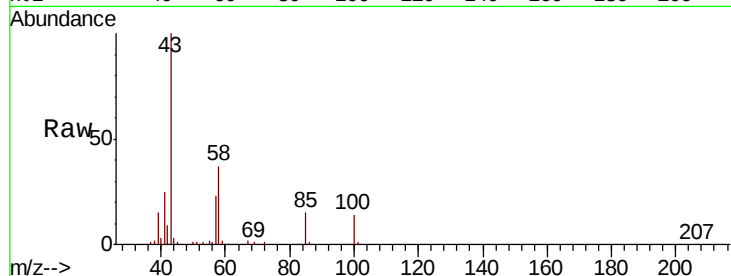
VSTDIC020

Tot Ion: 43 Resp: 198041

Ion Ratio Lower Upper

43 100

58 36.6 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

9.95

120000

100000

80000

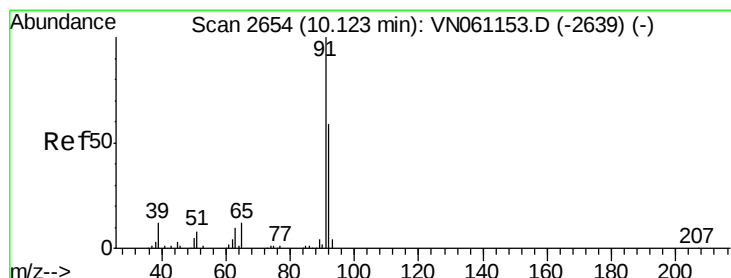
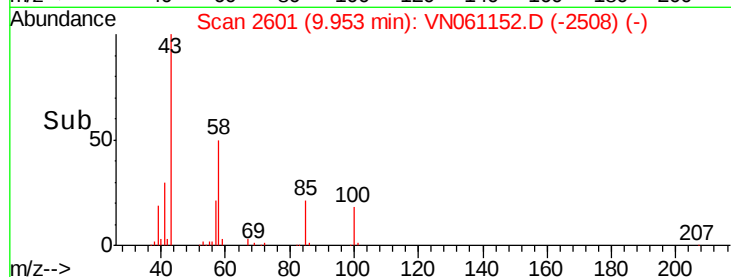
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.031 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061152.D

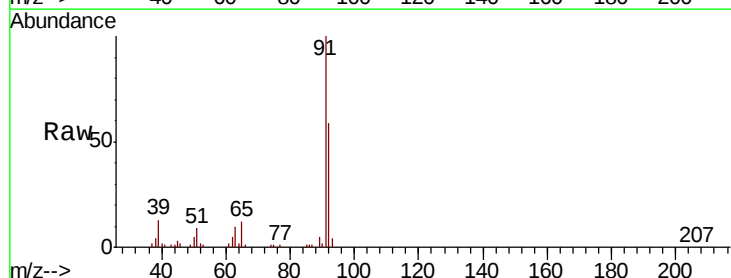
Acq: 27 Apr 2020 16:49

Tgt Ion: 92 Resp: 62898

Ion Ratio Lower Upper

92 100

91 169.9 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VN061153.D (-2639) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-2639) (-)

10.12

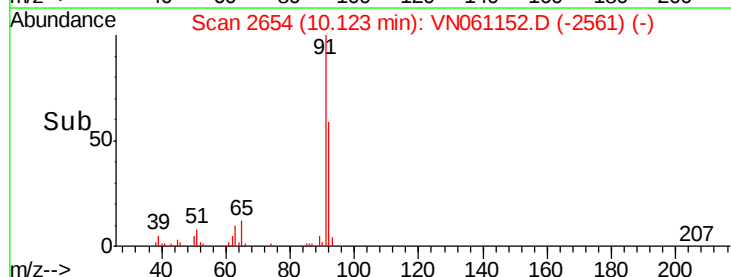
60000

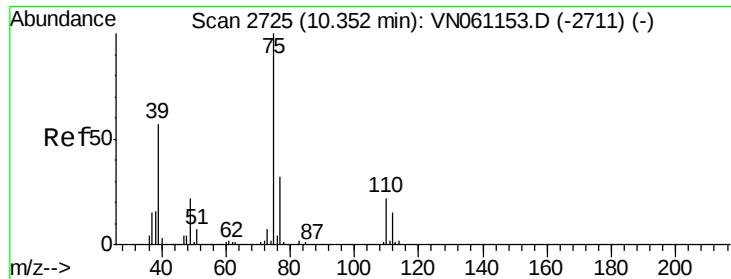
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.573 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

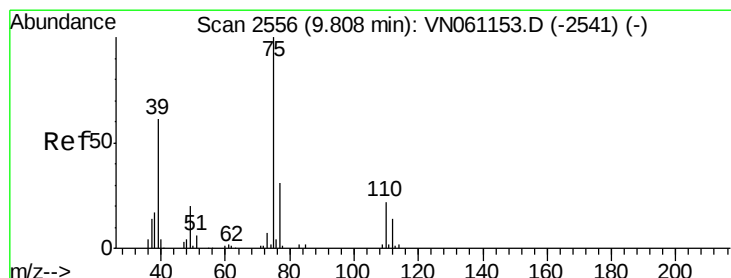
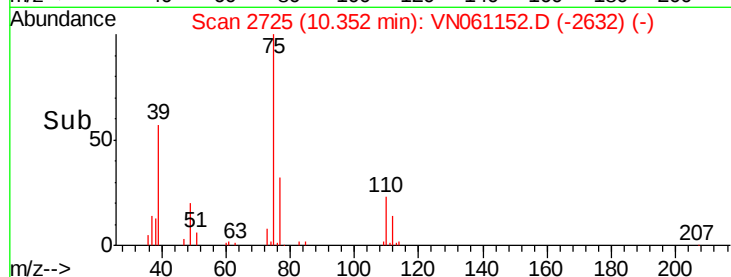
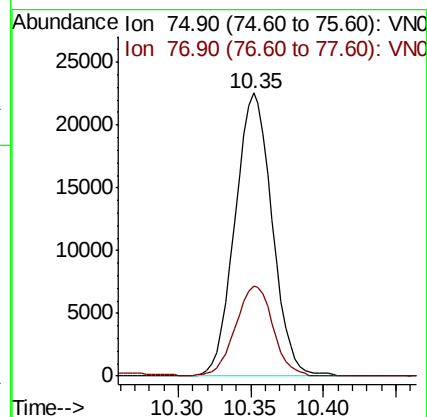
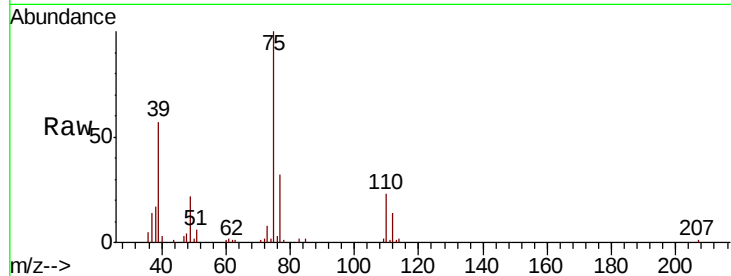
VSTDIC020

Tot Ion: 75 Resp: 40156

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.938 ug/l

RT: 9.81 min Scan# 2556

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

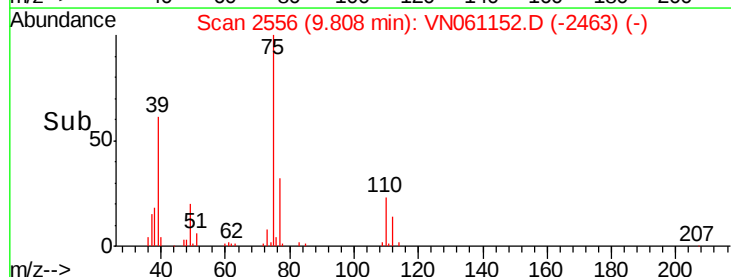
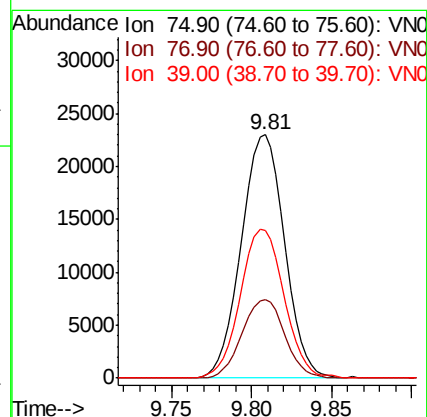
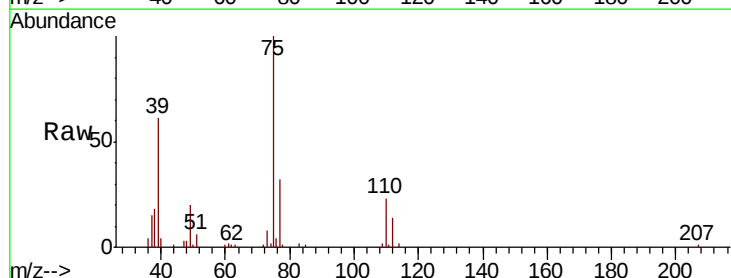
Tgt Ion: 75 Resp: 42478

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4

39 60.9 48.7 73.1

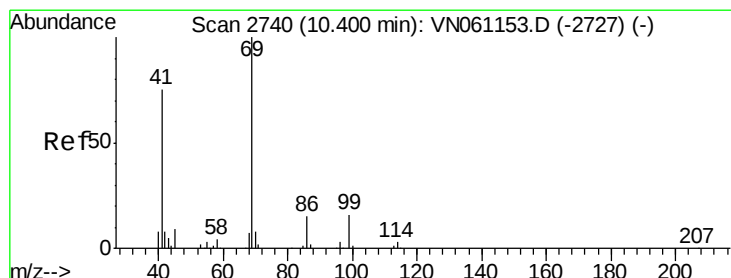
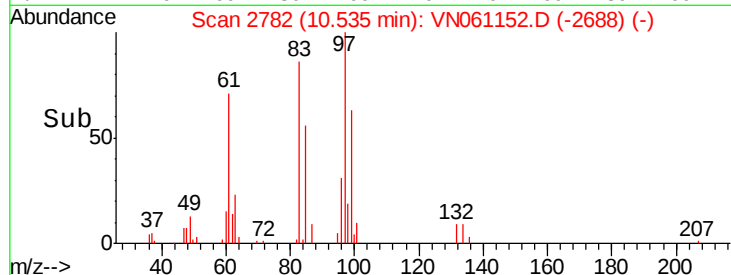
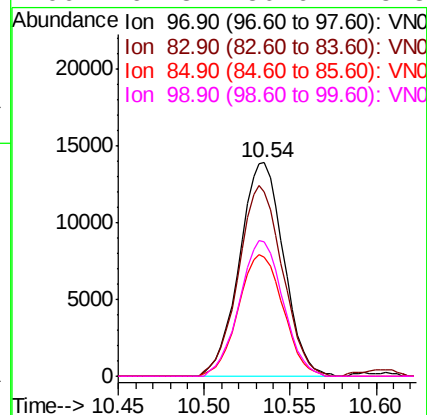
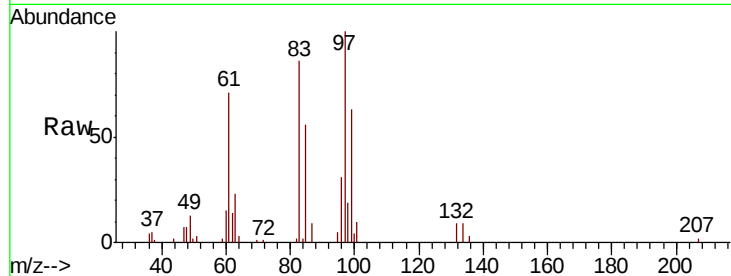




#55
 1,1,2-Trichloroethane
 Concen: 19.533 ug/l
 RT: 10.54 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

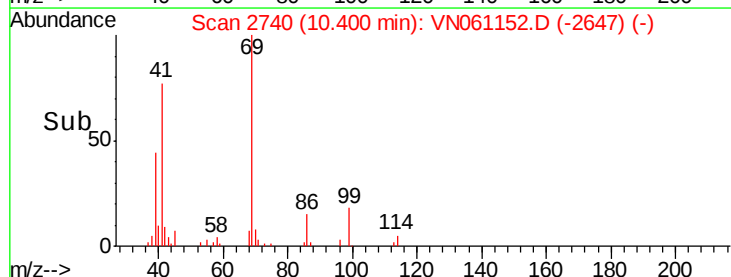
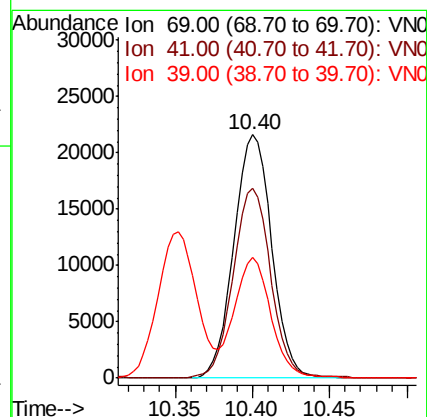
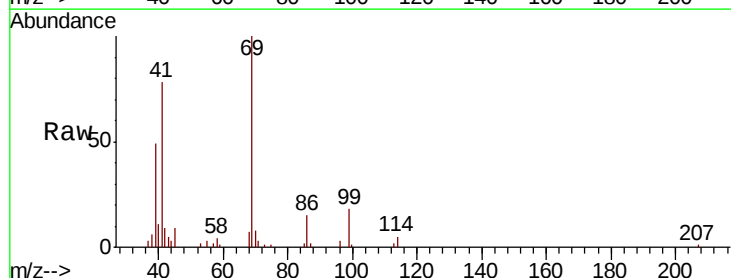
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

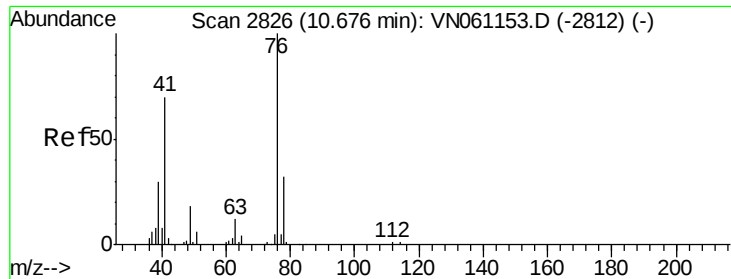
Tot Ion: 97 Resp: 24890
 Ion Ratio Lower Upper
 97 100
 83 86.5 70.6 106.0
 85 55.8 46.4 69.6
 99 62.8 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 18.833 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion: 69 Resp: 36754
 Ion Ratio Lower Upper
 69 100
 41 77.6 60.3 90.5
 39 47.7 35.9 53.9

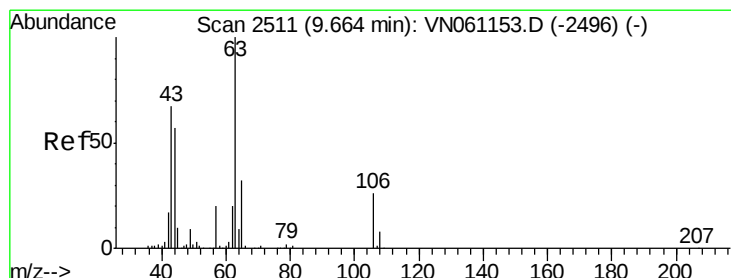
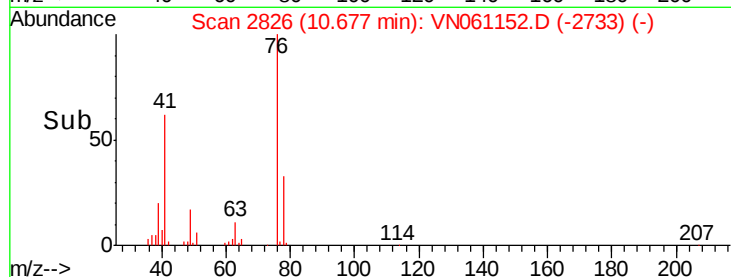
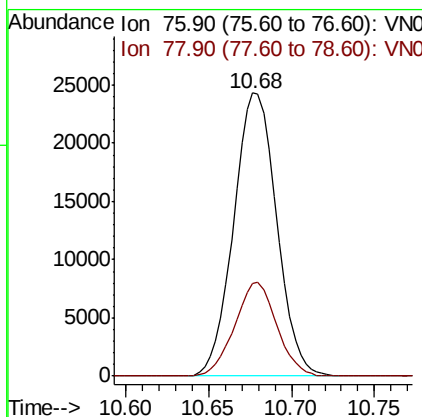
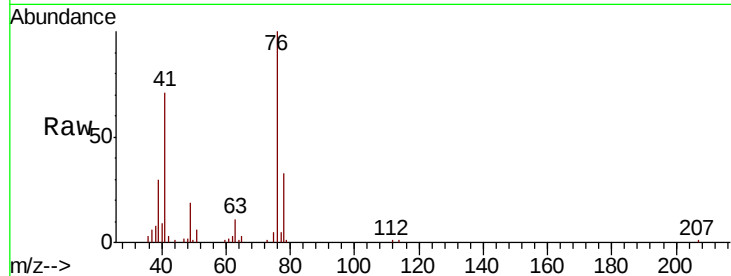




#57
 1,3-Dichloropropane
 Concen: 20.070 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

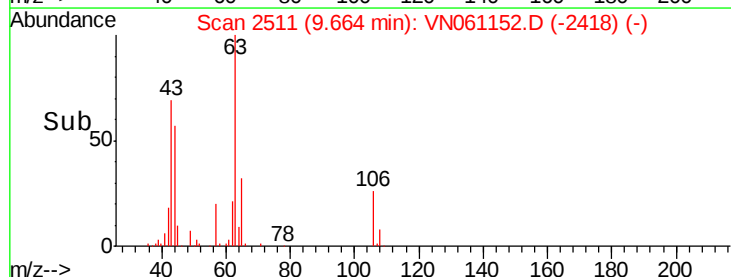
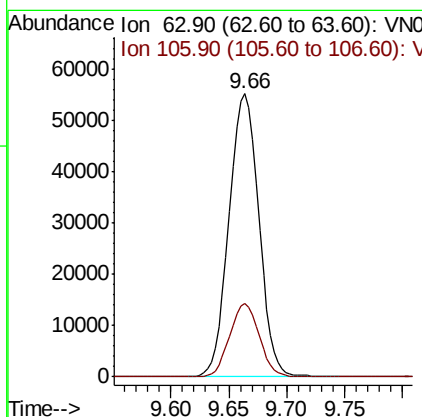
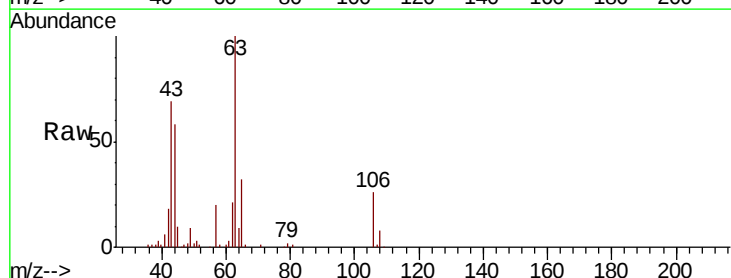
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

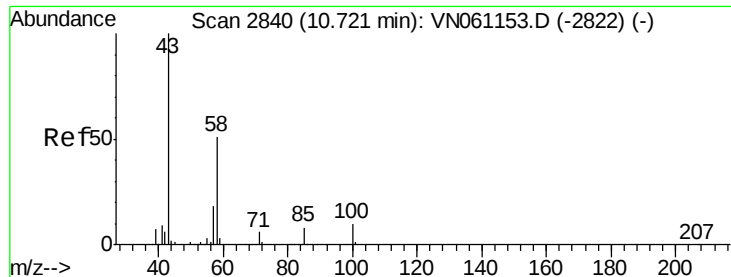
Tot Ion: 76 Resp: 43887
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.826 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion: 63 Resp: 98490
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.6 30.8

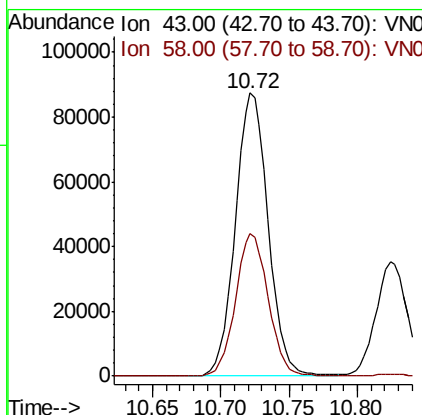
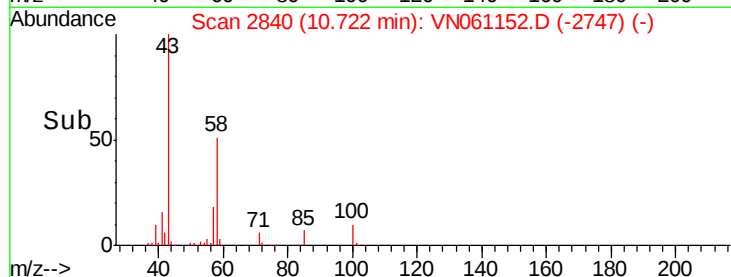
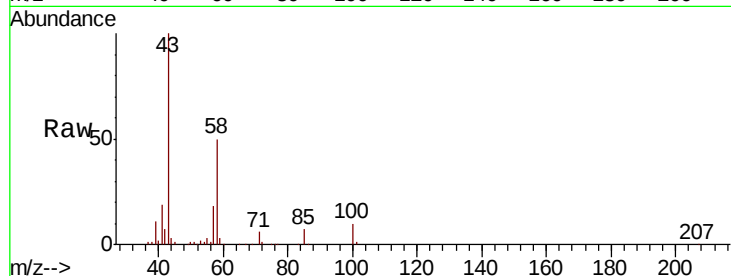




#59
2-Hexanone
Concen: 108.320 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

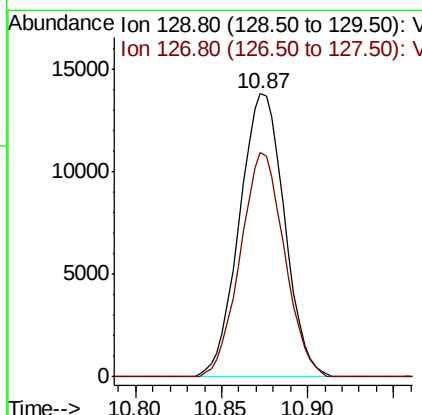
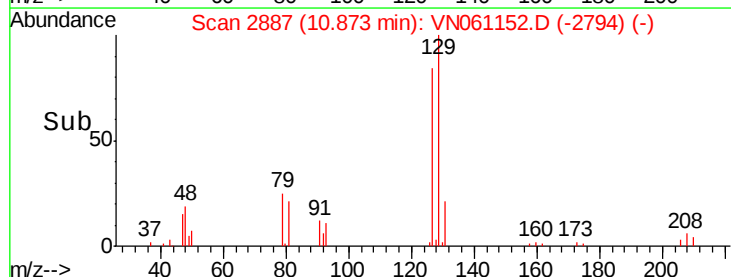
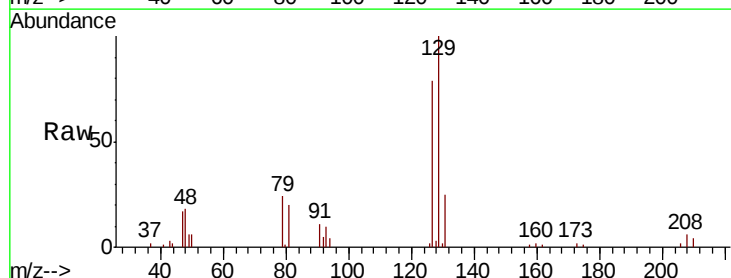
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

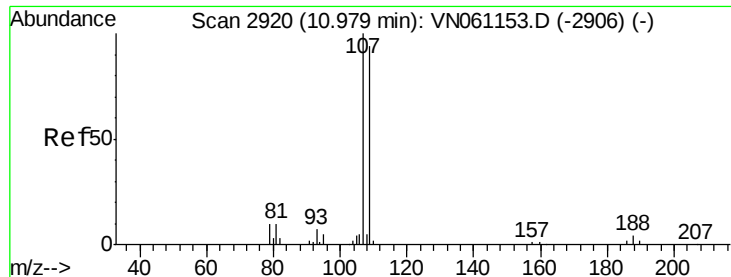
Tot Ion: 43 Resp: 145712
Ion Ratio Lower Upper
43 100
58 50.1 25.4 76.4



#60
Dibromochloromethane
Concen: 18.814 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 129 Resp: 25060
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8

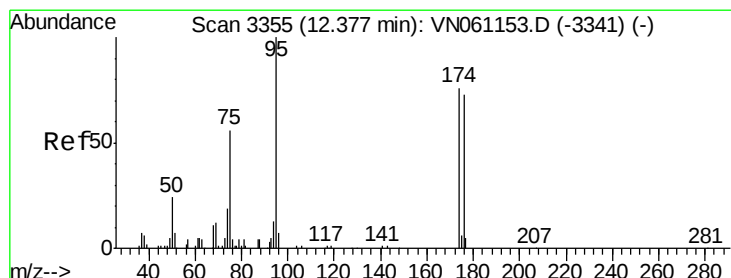
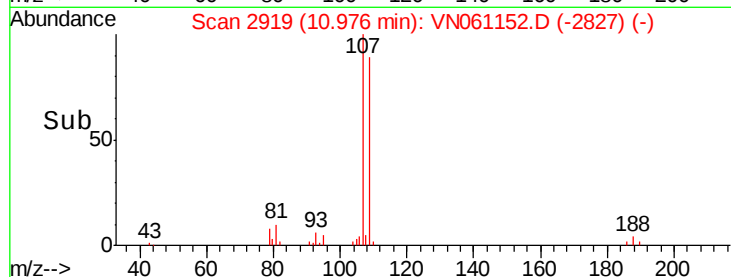
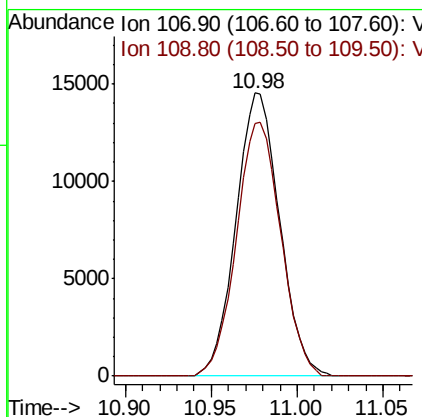
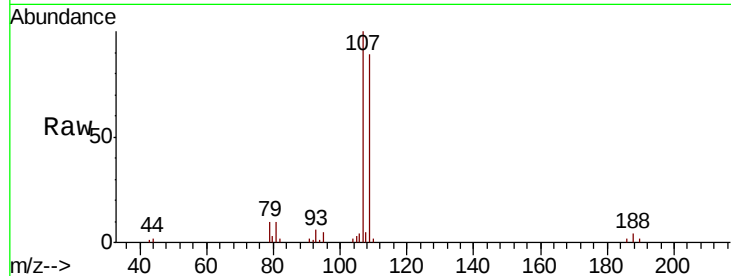




#61
 1,2-Dibromoethane
 Concen: 19.600 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

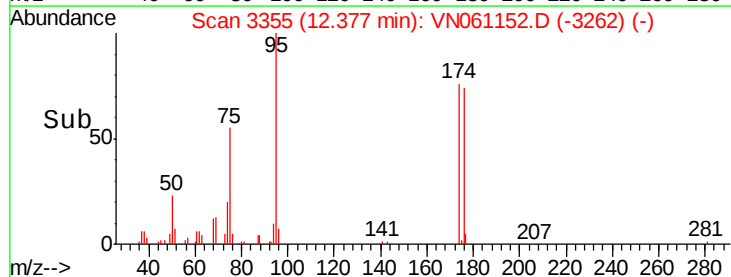
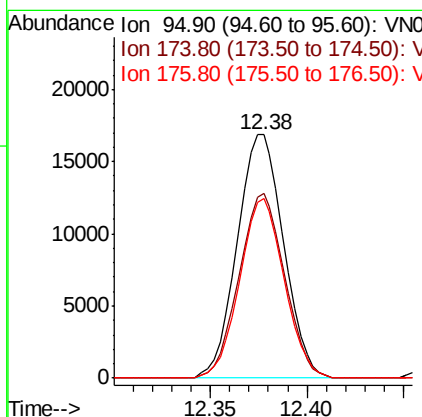
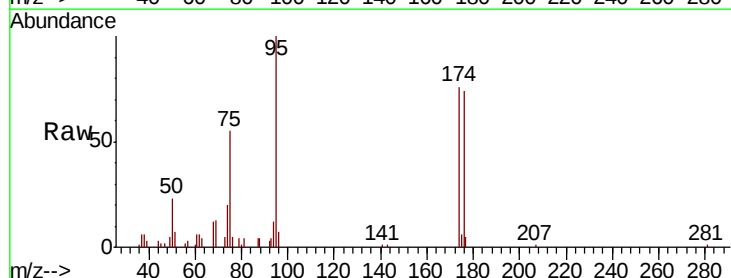
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 25690
 Ion Ratio Lower Upper
 107 100
 109 90.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 16.873 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion: 95 Resp: 28090
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 149.4
 176 70.9 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: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

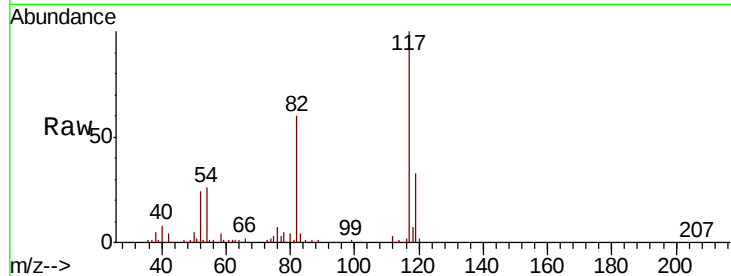
Tot Ion:117 Resp: 169284

Ion Ratio Lower Upper

117 100

82 60.1 47.8 71.8

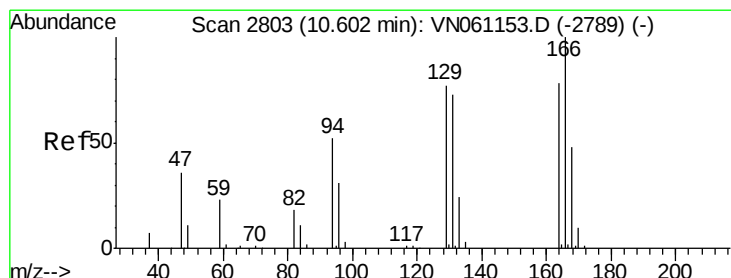
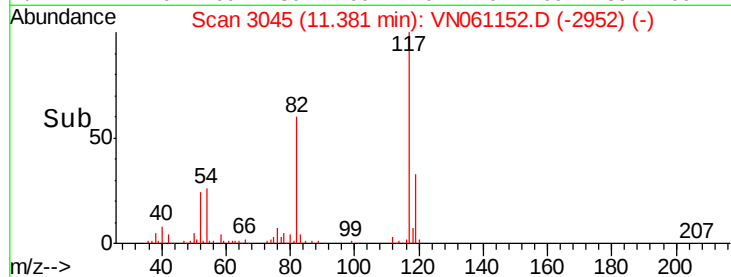
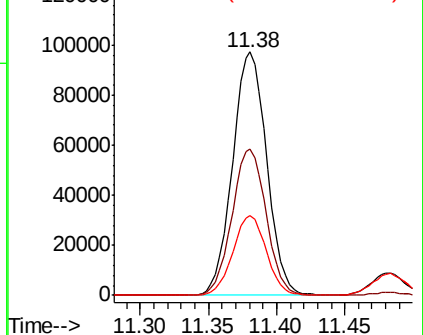
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 17.020 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Tgt Ion:164 Resp: 28723

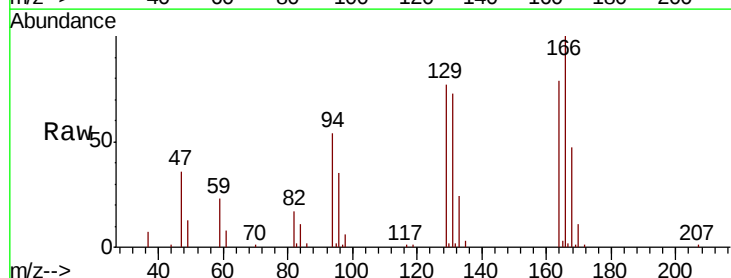
Ion Ratio Lower Upper

164 100

166 127.0 102.0 153.0

129 97.7 78.2 117.2

131 92.3 74.5 111.7

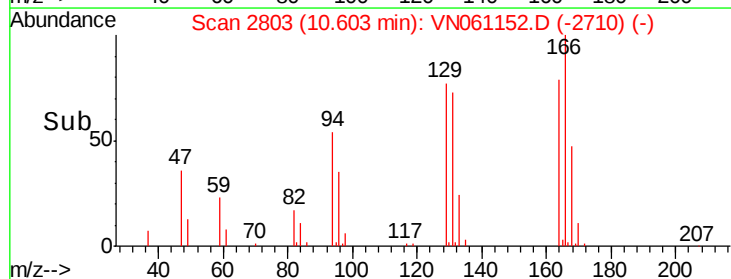
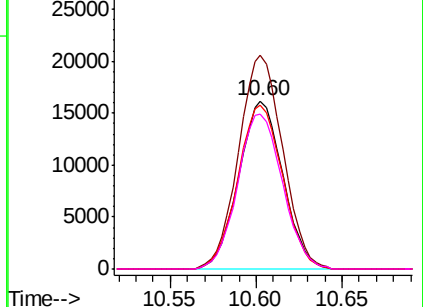


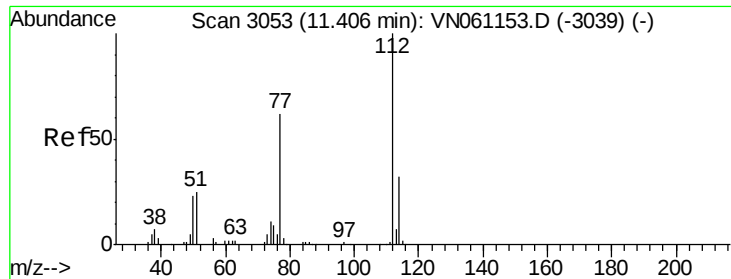
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.495 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

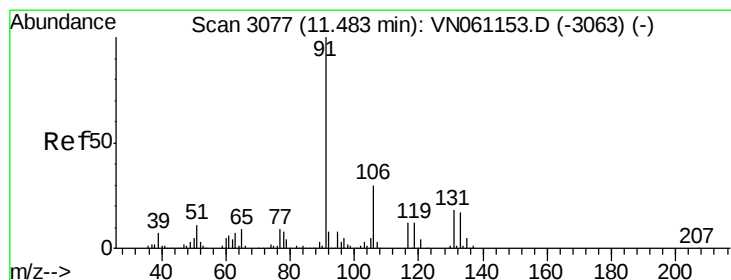
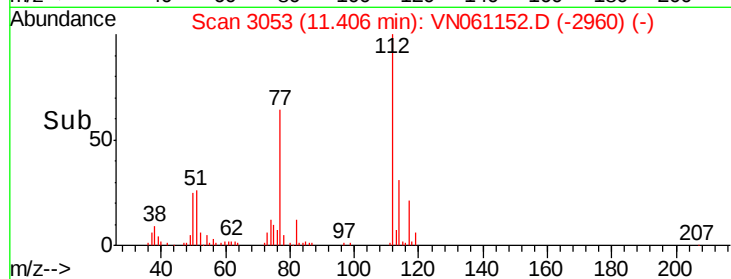
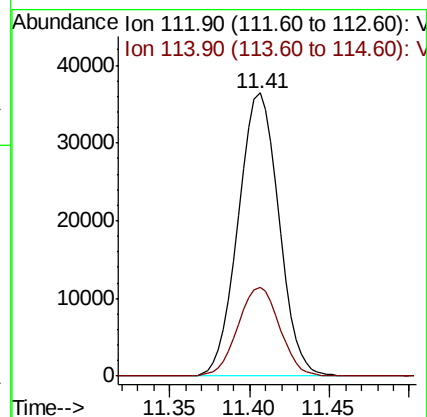
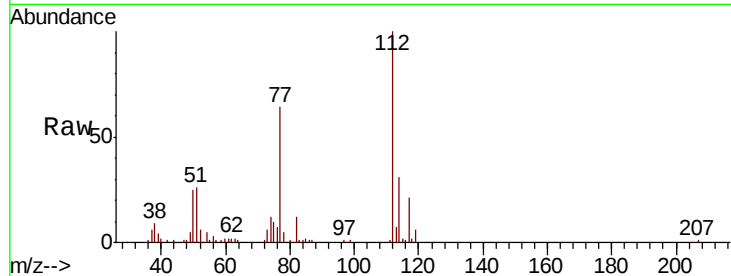
VSTDIC020

Tot Ion:112 Resp: 63152

Ion Ratio Lower Upper

112 100

114 31.4 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 19.146 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

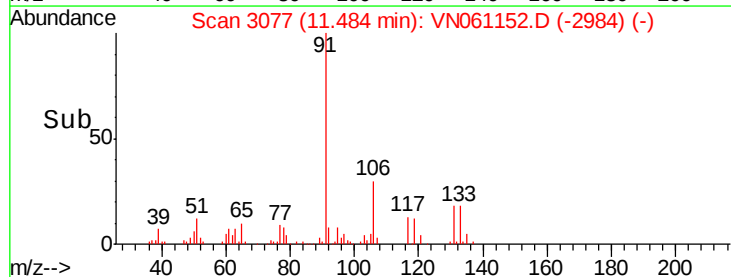
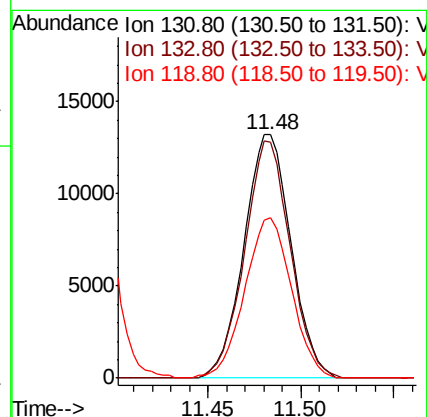
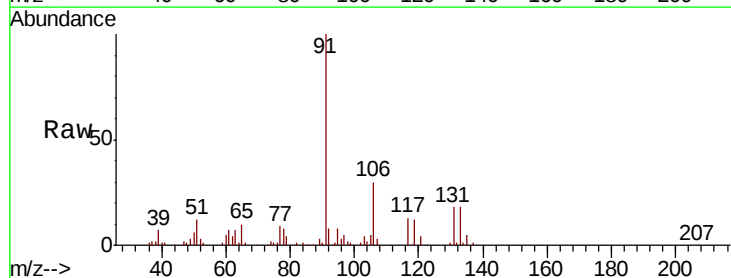
Tgt Ion:131 Resp: 23182

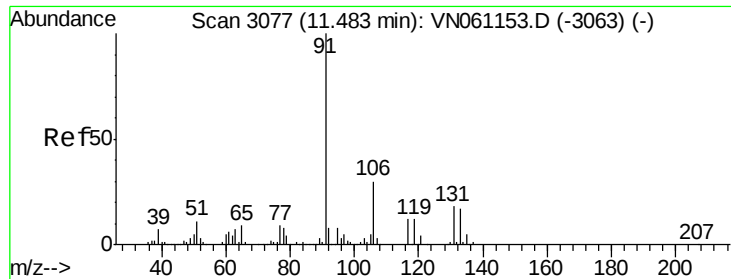
Ion Ratio Lower Upper

131 100

133 94.8 48.0 144.2

119 65.6 32.6 97.8

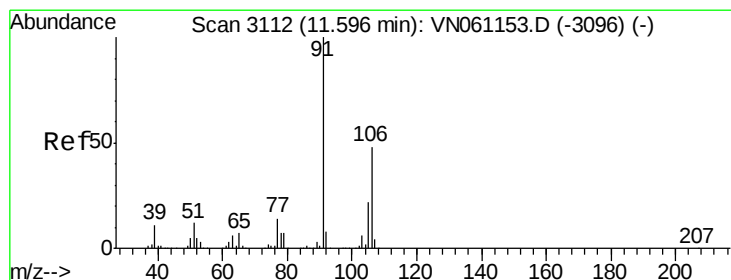
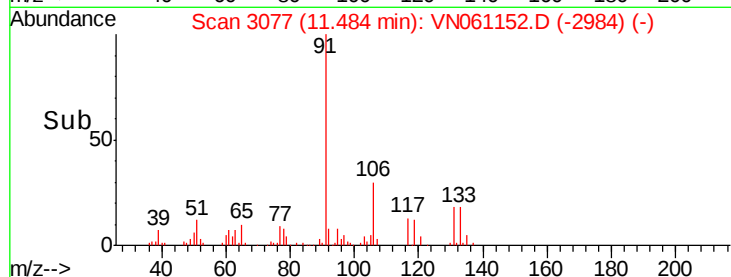
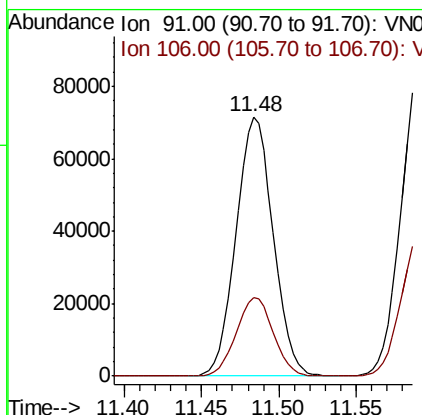
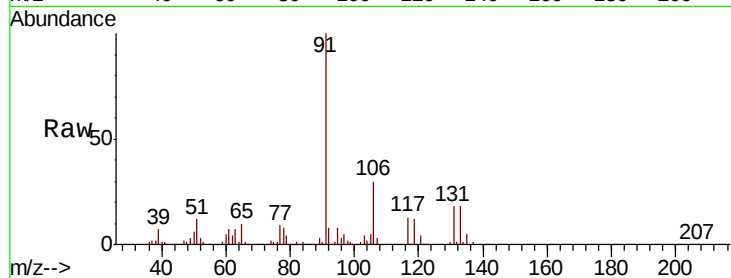




#67
Ethyl Benzene
Concen: 18.657 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

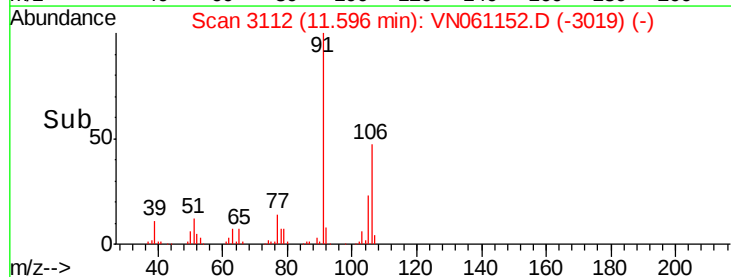
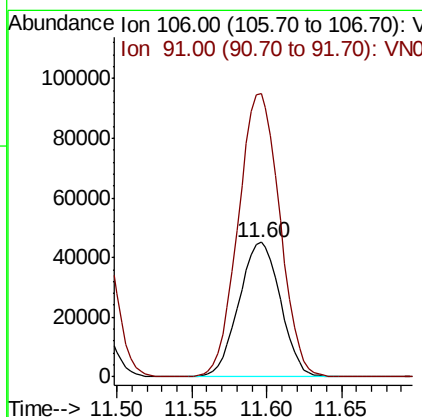
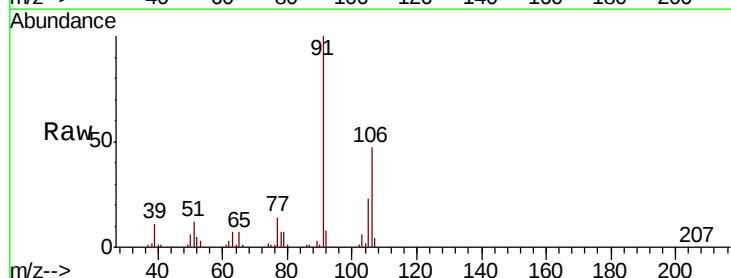
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 119096
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.6



#68
m/p-Xylenes
Concen: 36.702 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 106 Resp: 87237
Ion Ratio Lower Upper
106 100
91 210.6 166.4 249.6

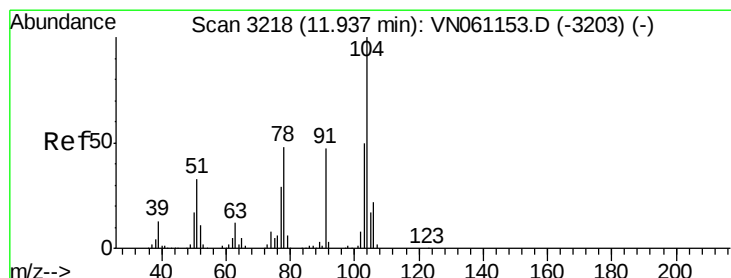
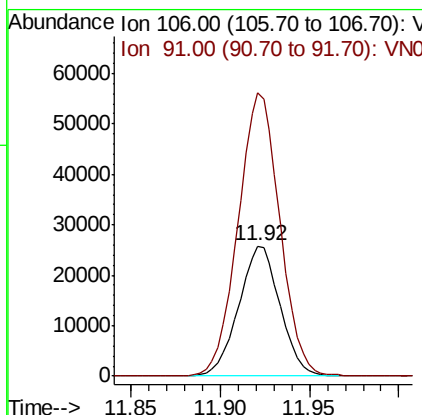
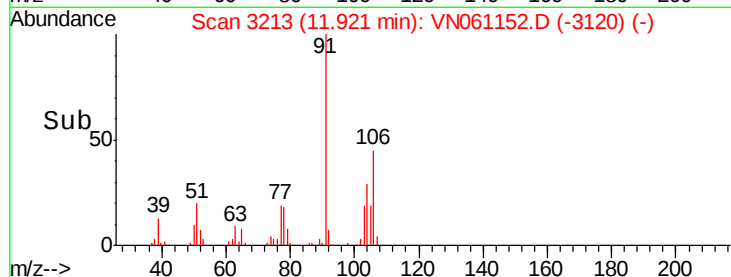
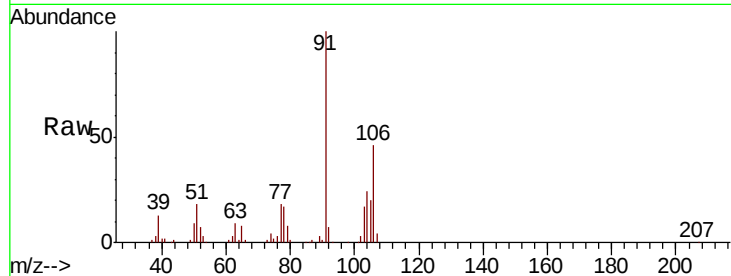




#69
o-Xylene
Concen: 18.157 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

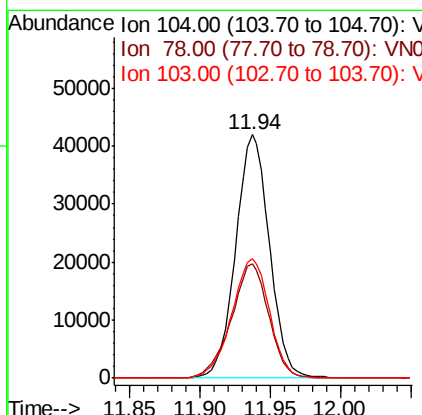
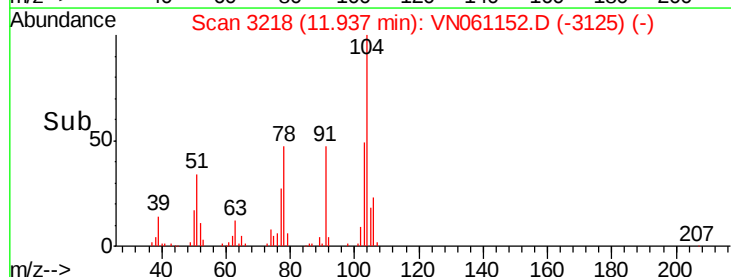
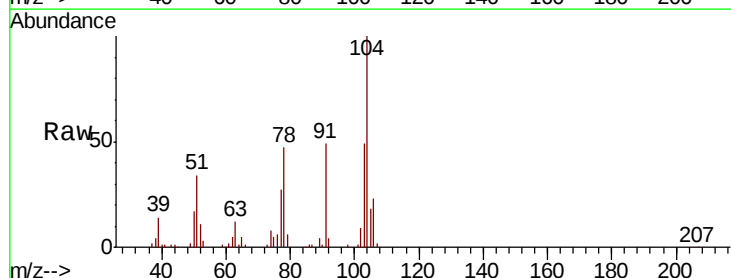
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

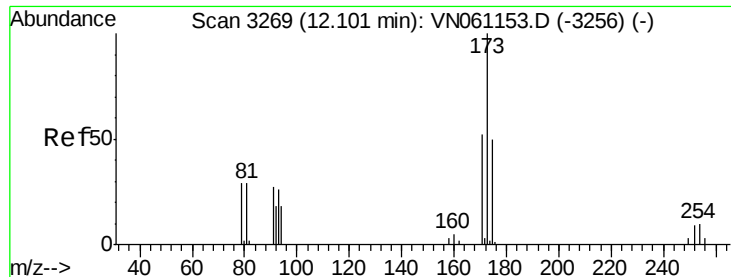
Tot Ion:106 Resp: 41644
Ion Ratio Lower Upper
106 100
91 220.1 109.7 329.0



#70
Styrene
Concen: 18.897 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion:104 Resp: 70441
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 54.5 43.3 64.9





#71

Bromoform

Concen: 18.404 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

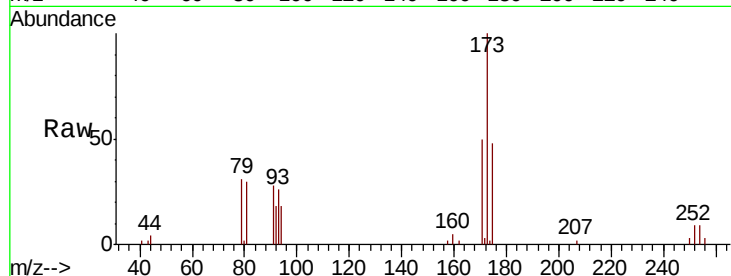
Tot Ion:173 Resp: 16711

Ion Ratio Lower Upper

173 100

175 47.3 24.1 72.4

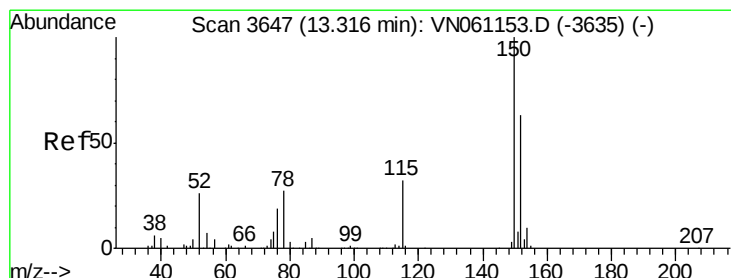
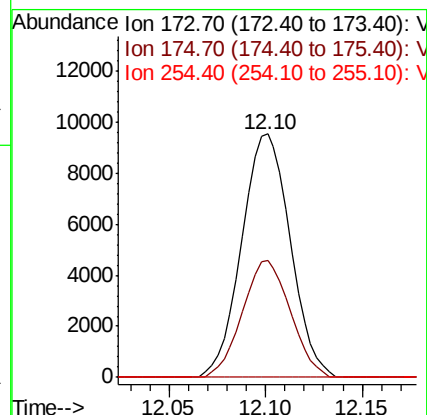
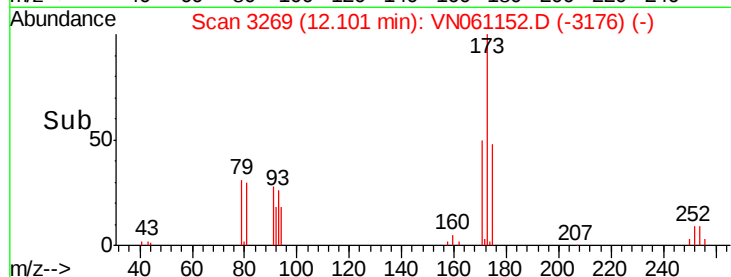
254 0.0 0.0 0.0



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# 3647

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

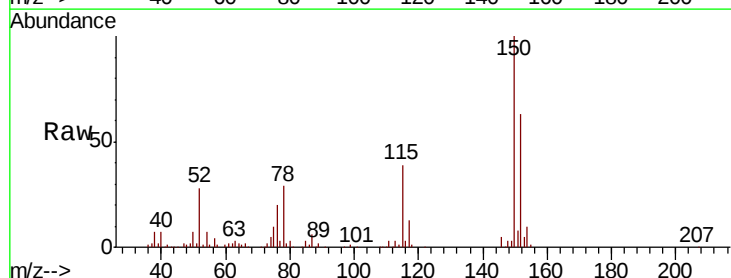
Tgt Ion:152 Resp: 80505

Ion Ratio Lower Upper

152 100

115 61.9 31.0 93.0

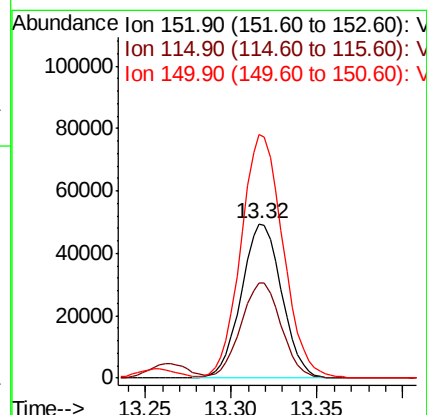
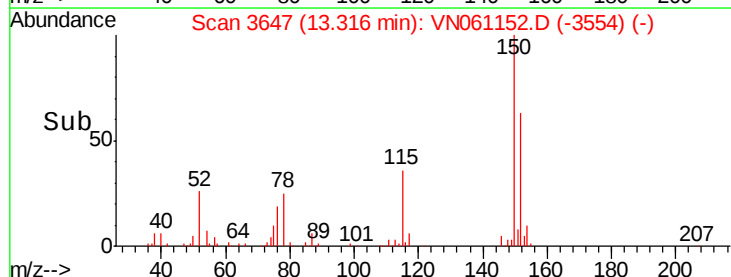
150 164.6 0.0 351.8

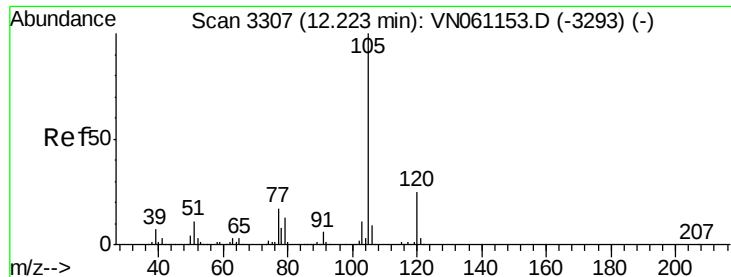


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.913 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

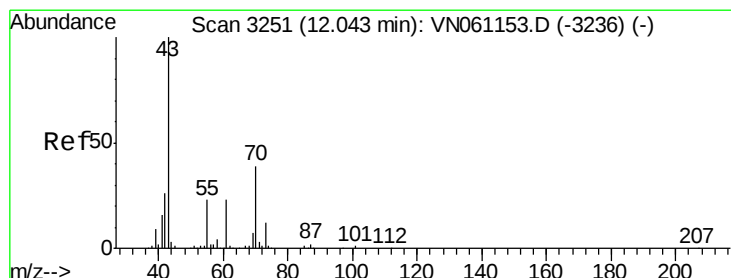
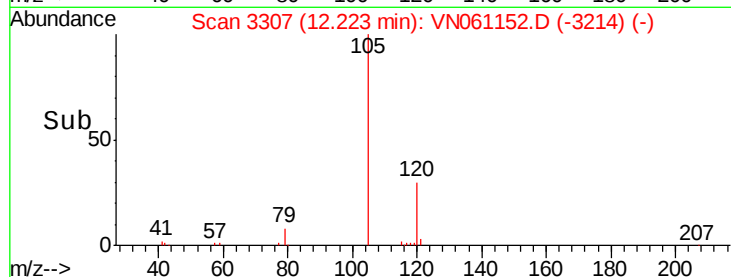
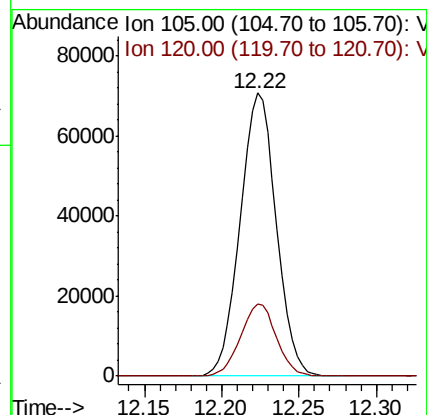
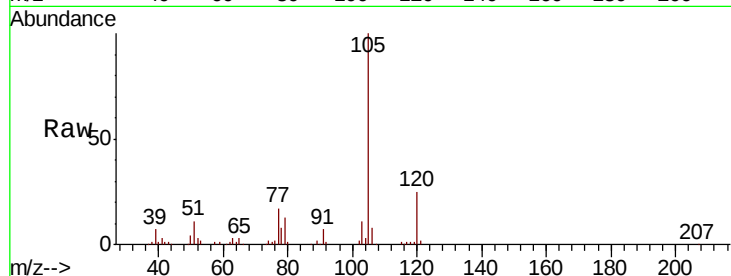
VSTDIC020

Tot Ion:105 Resp: 114440

Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.8



#74

N-ethyl acetate

Concen: 20.376 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Tgt Ion: 43 Resp: 56542

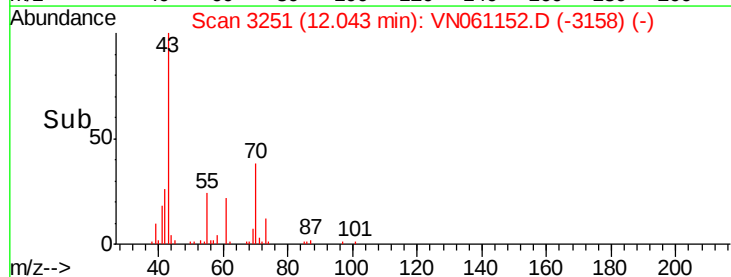
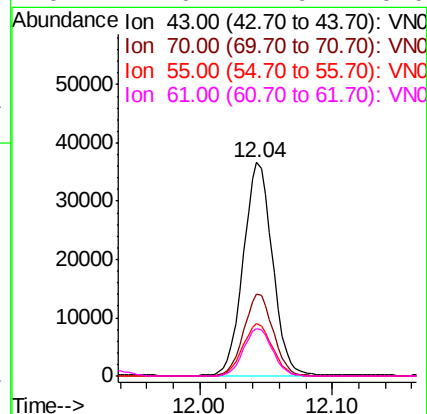
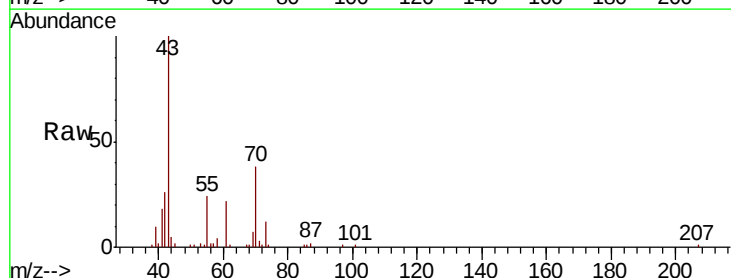
Ion Ratio Lower Upper

43 100

70 38.0 30.6 46.0

55 24.5 18.5 27.7

61 21.9 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.809 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

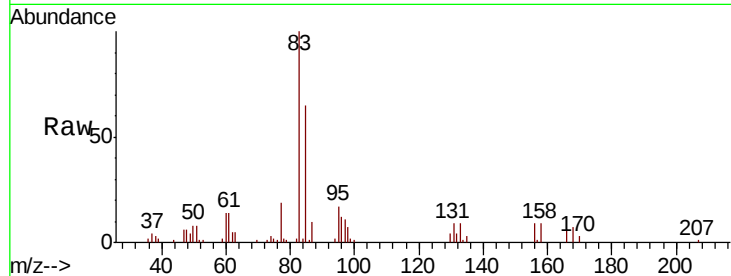
Tot Ion: 83 Resp: 36196

Ion Ratio Lower Upper

83 100

131 8.9 4.8 14.3

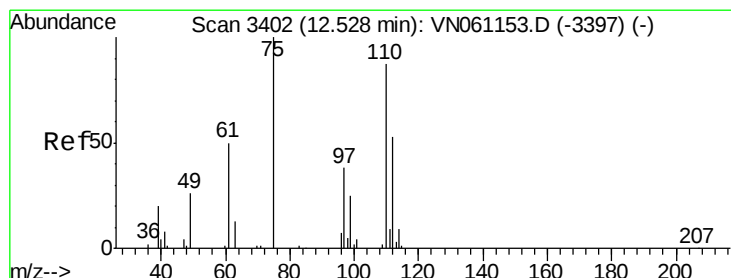
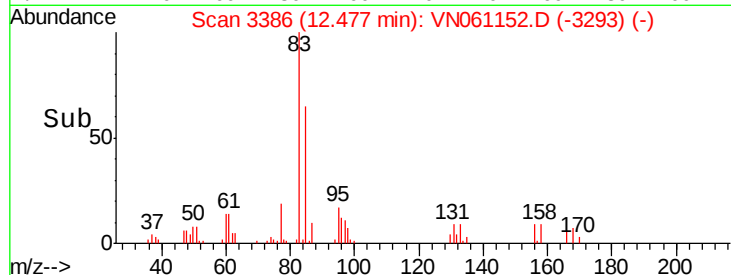
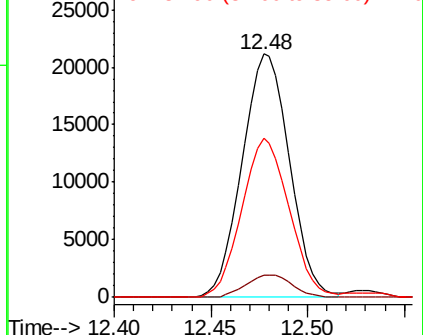
85 65.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN061152.D (-3293) (-)

Ion 130.80 (130.50 to 131.50): VN061152.D (-3293) (-)

Ion 84.90 (84.60 to 85.60): VN061152.D (-3293) (-)



#76

1,2,3-Trichloropropane

Concen: 26.422 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061152.D

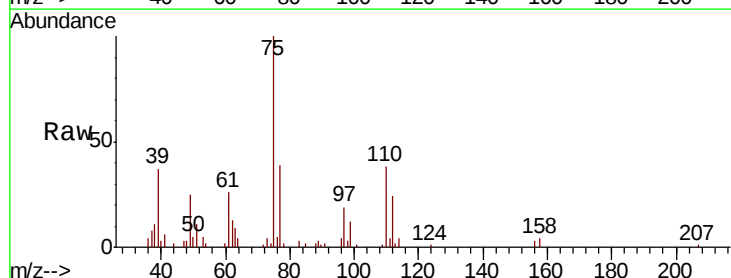
Acq: 27 Apr 2020 16:49

Tgt Ion: 75 Resp: 48139

Ion Ratio Lower Upper

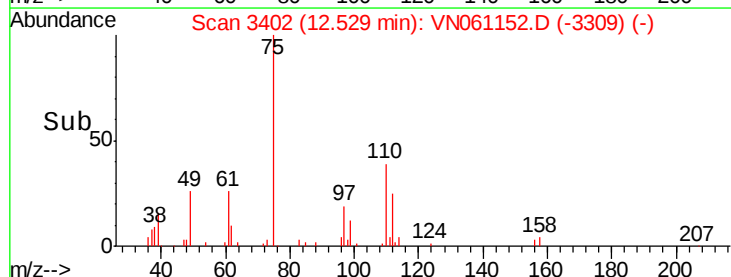
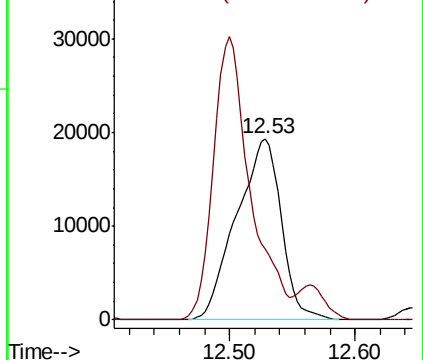
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061152.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN061152.D (-3309) (-)





#77

Bromobenzene

Concen: 17.884 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

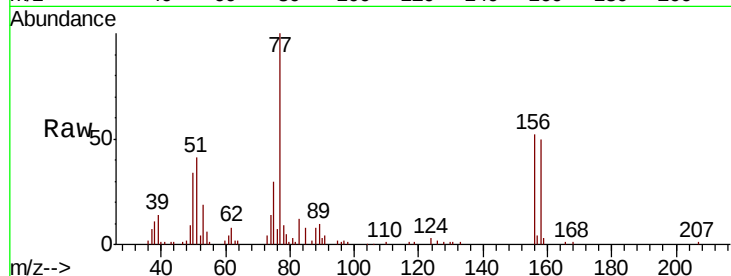
Tot Ion:156 Resp: 26108

Ion Ratio Lower Upper

156 100

77 236.3 117.4 352.2

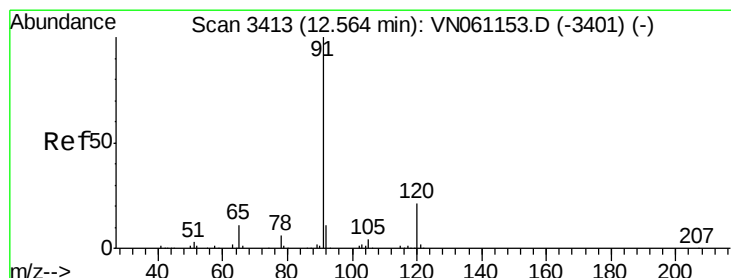
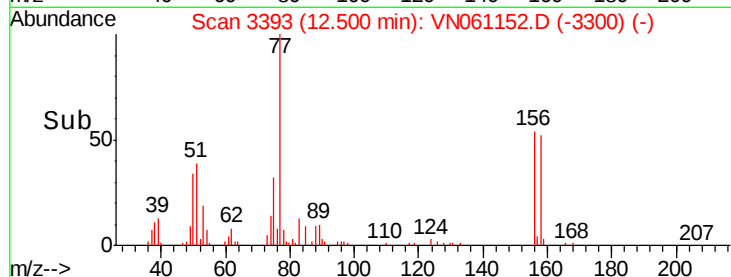
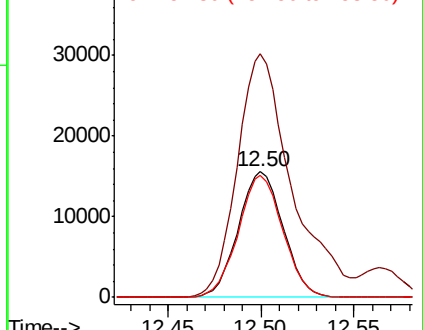
158 96.6 48.4 145.0



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: 18.892 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061152.D

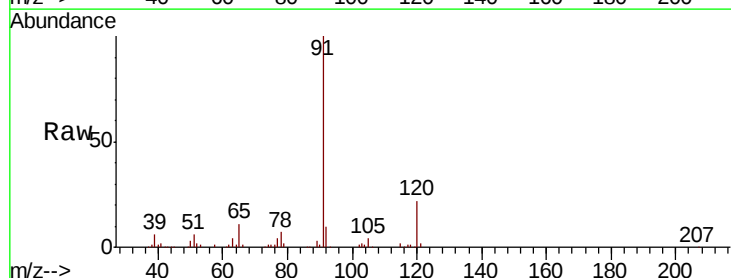
Acq: 27 Apr 2020 16:49

Tgt Ion: 91 Resp: 134410

Ion Ratio Lower Upper

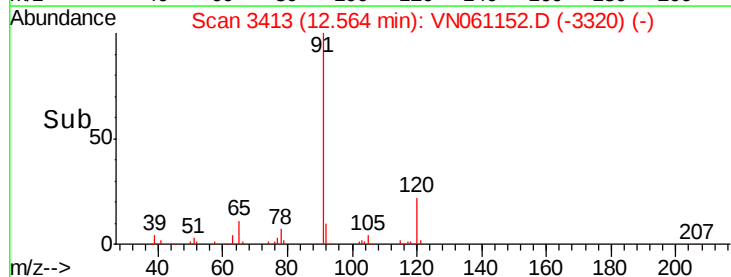
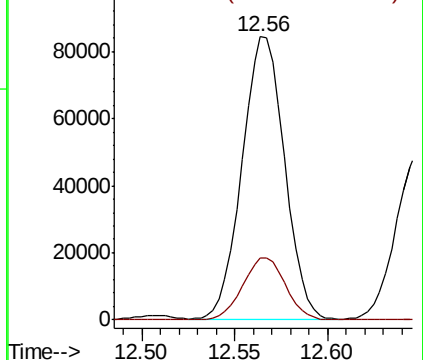
91 100

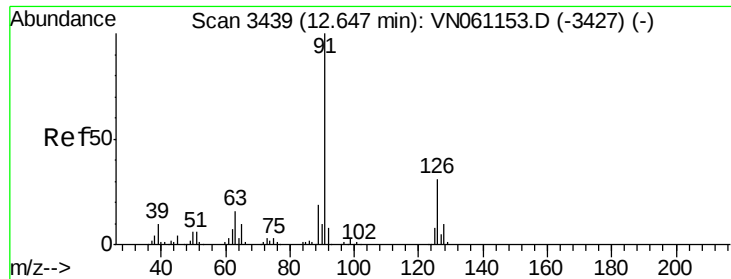
120 22.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.201 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

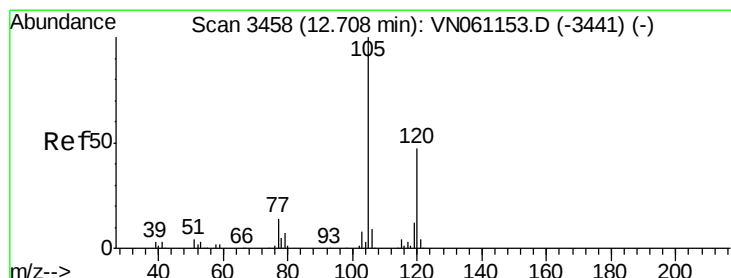
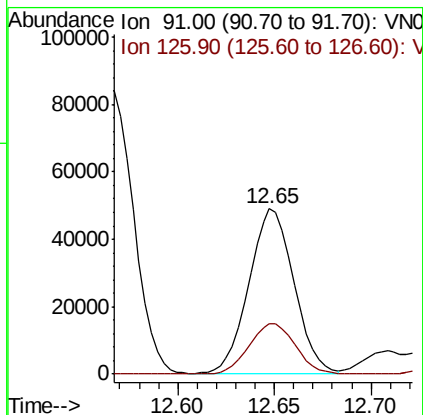
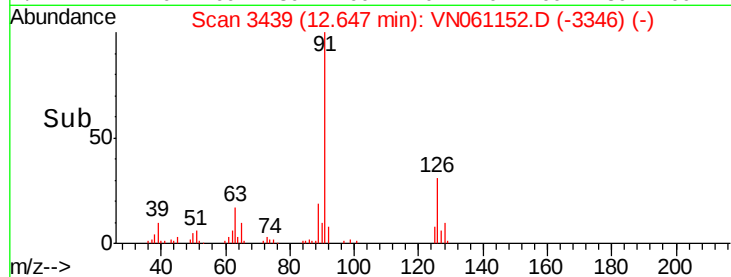
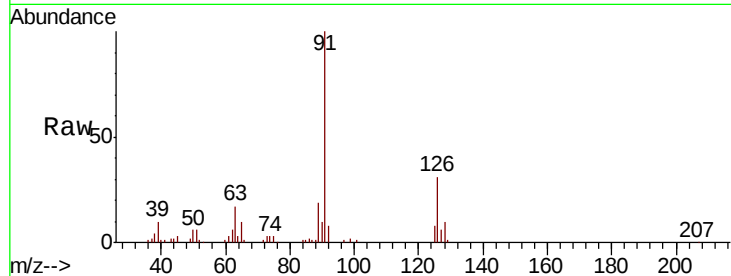
VSTDIC020

Tot Ion: 91 Resp: 79377

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.7



#80

1,3,5-Trimethylbenzene

Concen: 18.499 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061152.D

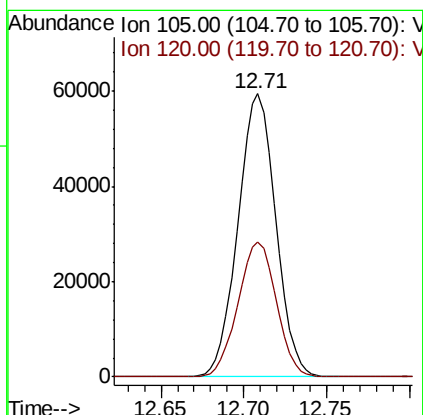
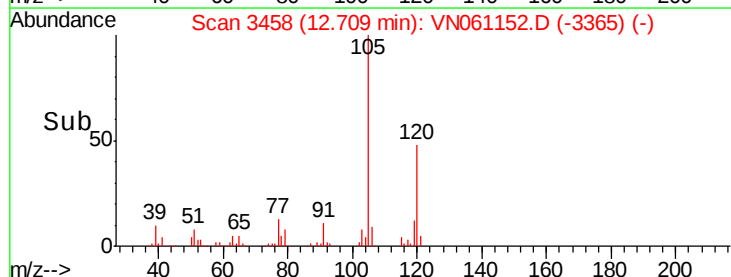
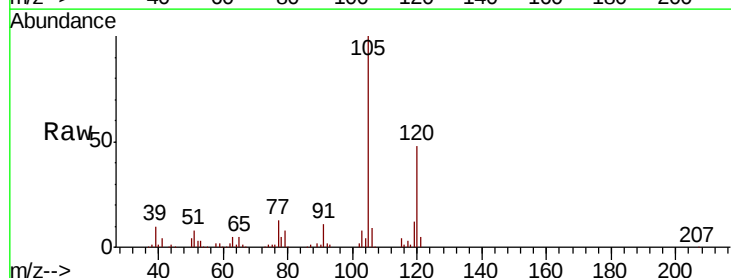
Acq: 27 Apr 2020 16:49

Tgt Ion: 105 Resp: 94225

Ion Ratio Lower Upper

105 100

120 48.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.567 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

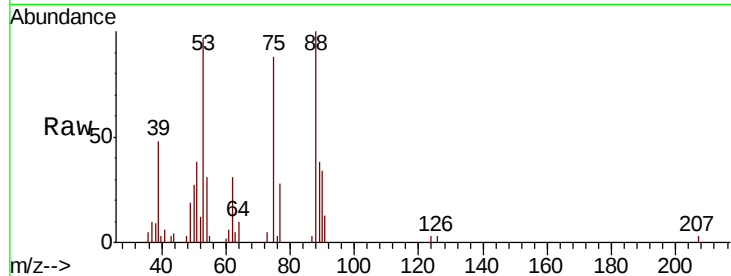
Tot Ion: 75 Resp: 12210

Ion Ratio Lower Upper

75 100

53 104.5 84.1 126.1

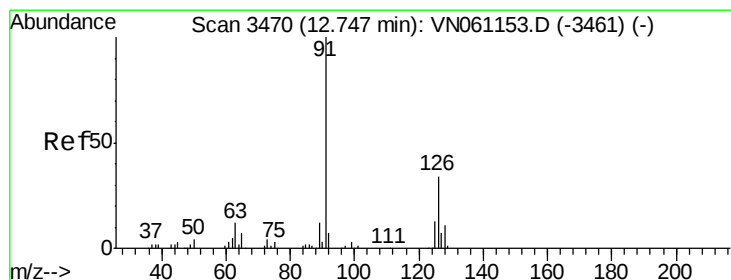
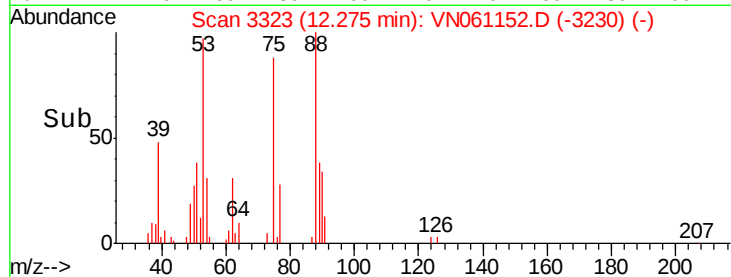
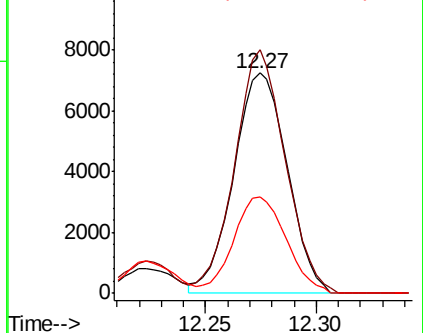
89 43.0 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)



#82

4-Chlorotoluene

Concen: 18.682 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061152.D

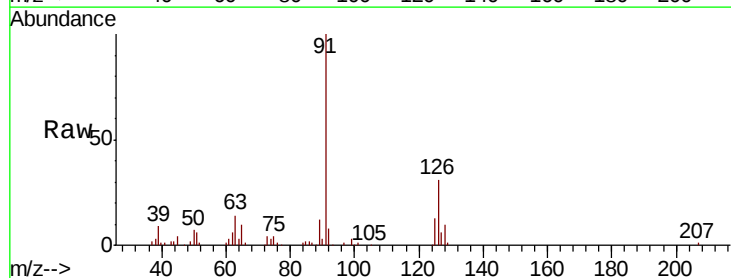
Acq: 27 Apr 2020 16:49

Tgt Ion: 91 Resp: 82063

Ion Ratio Lower Upper

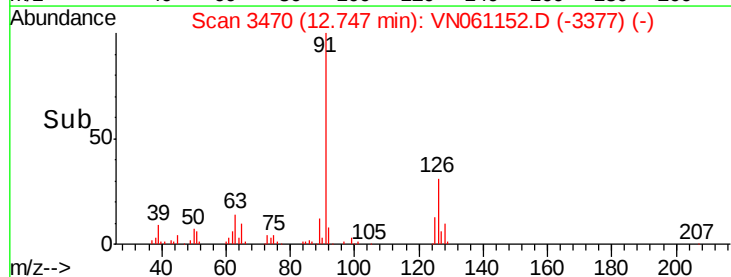
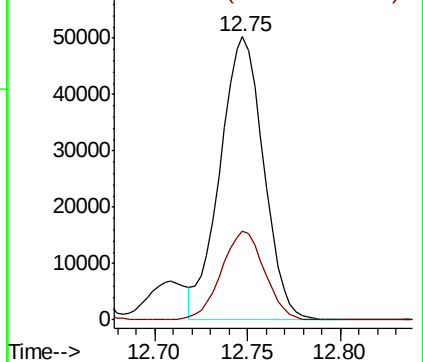
91 100

126 30.8 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3461) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3461) (-)

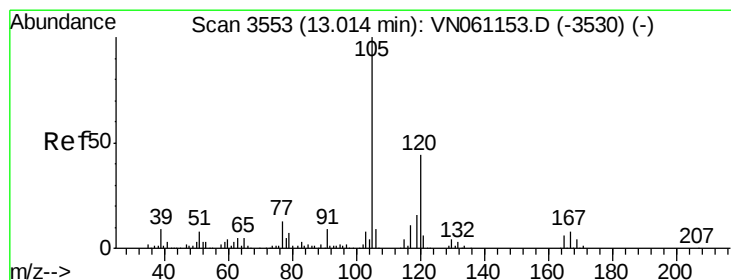
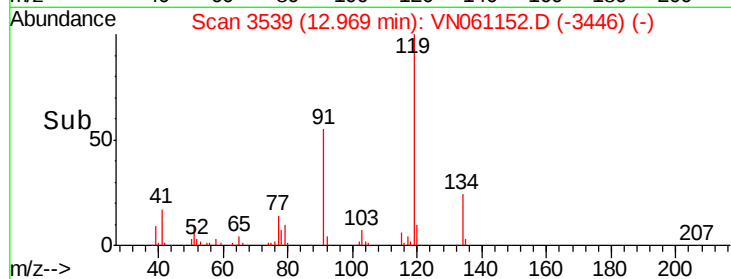
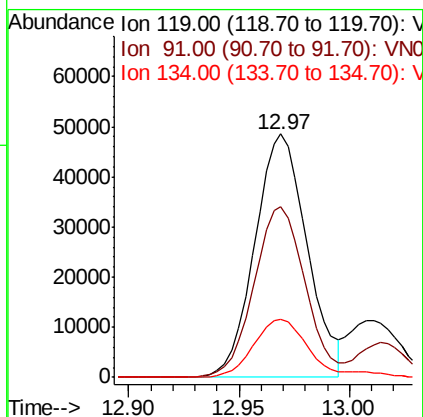
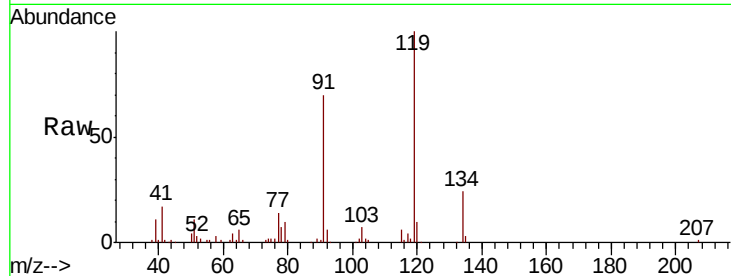




#83
 tert-Butylbenzene
 Concen: 18.692 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

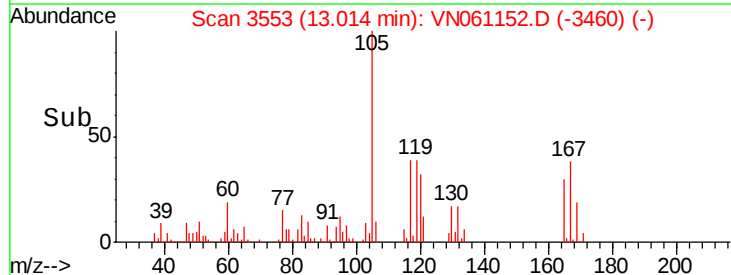
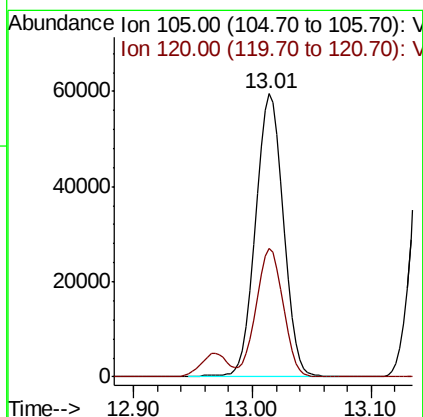
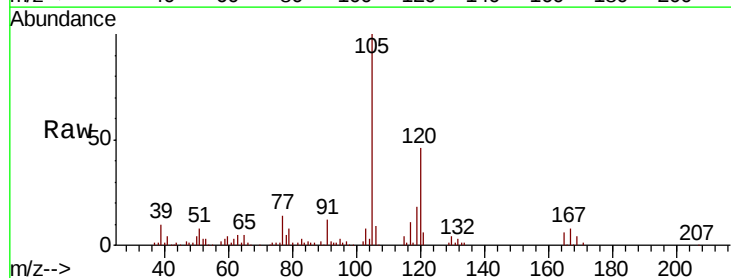
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:119 Resp: 79858
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.8 104.4
 134 24.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 18.995 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion:105 Resp: 96663
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.606 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

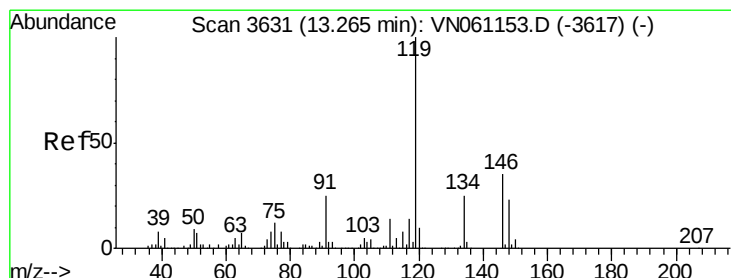
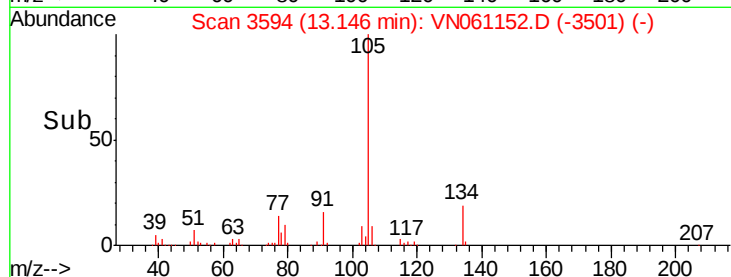
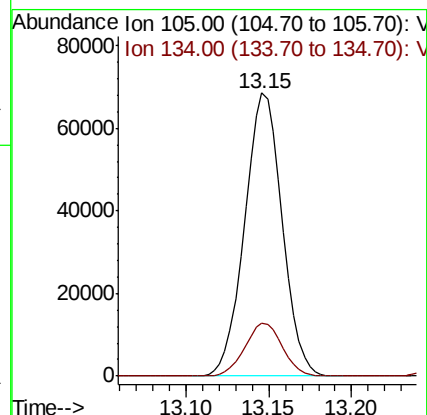
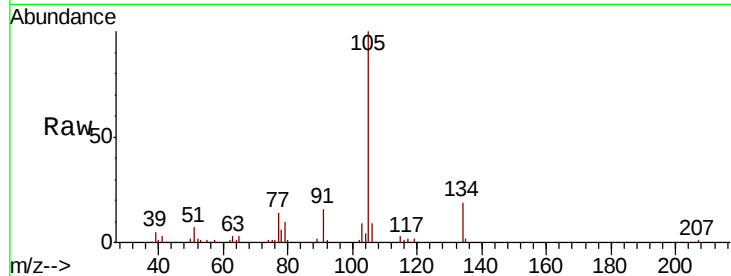
VSTDIC020

Tot Ion:105 Resp: 107910

Ion Ratio Lower Upper

105 100

134 18.7 9.6 28.8



#86

p-Isopropyltoluene

Concen: 18.385 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

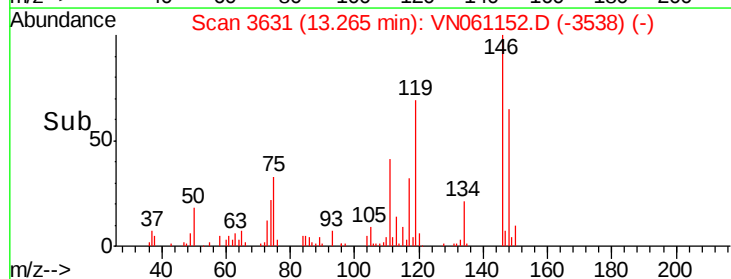
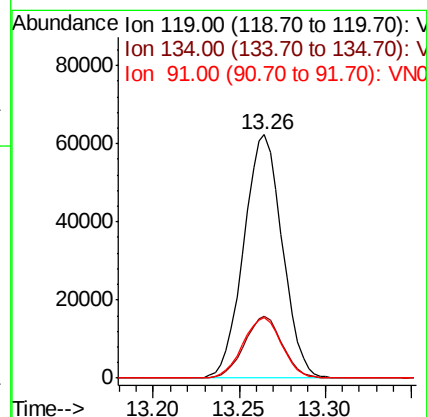
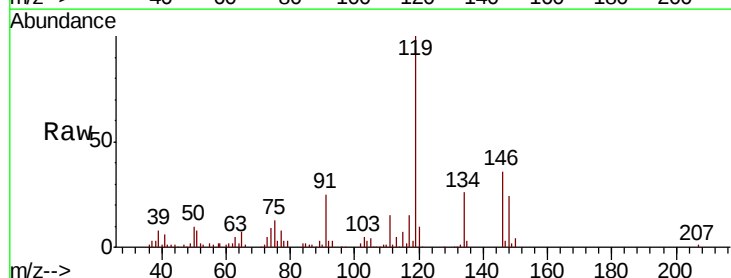
Tgt Ion:119 Resp: 96665

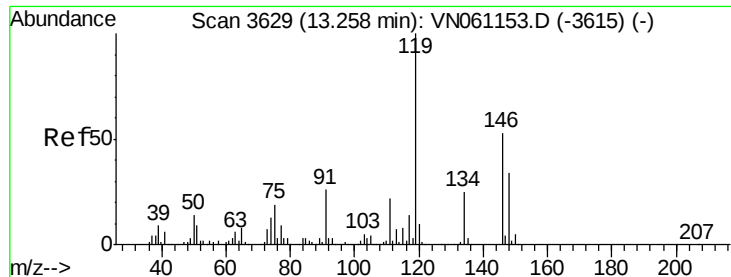
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

91 25.1 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 18.413 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

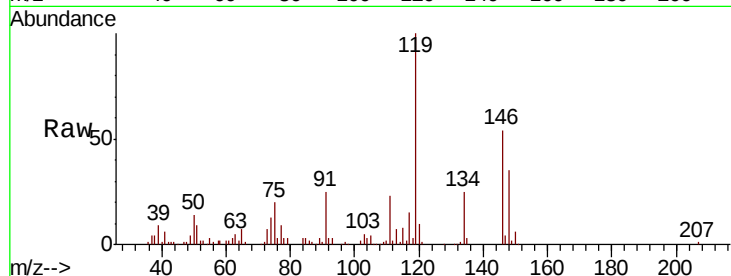
Tot Ion:146 Resp: 48002

Ion Ratio Lower Upper

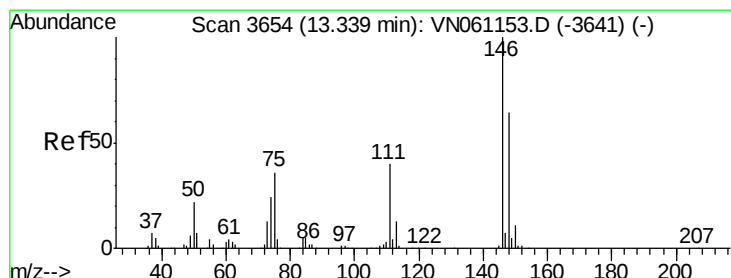
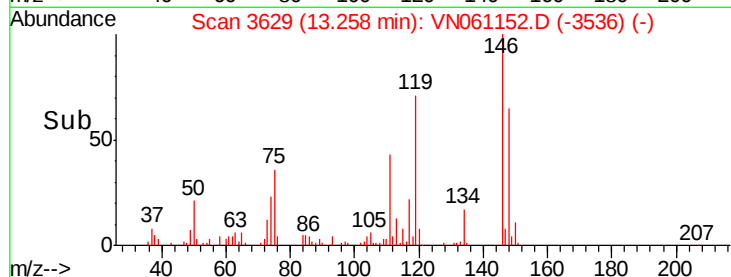
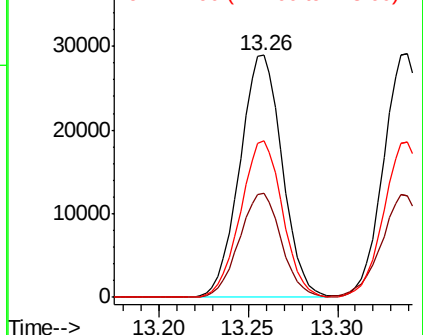
146 100

111 42.4 20.7 62.1

148 63.6 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 18.144 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

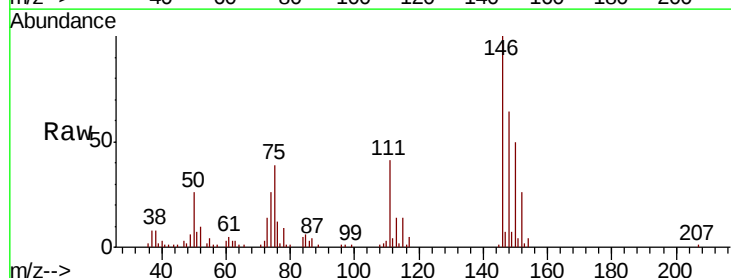
Tgt Ion:146 Resp: 47919

Ion Ratio Lower Upper

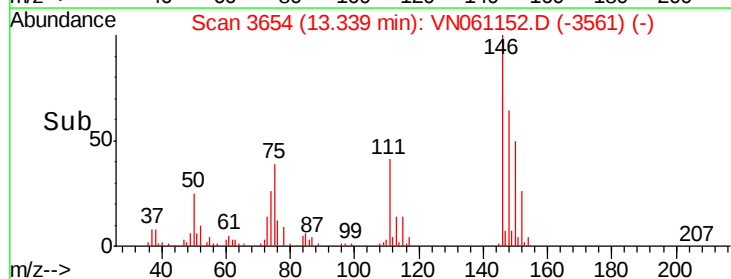
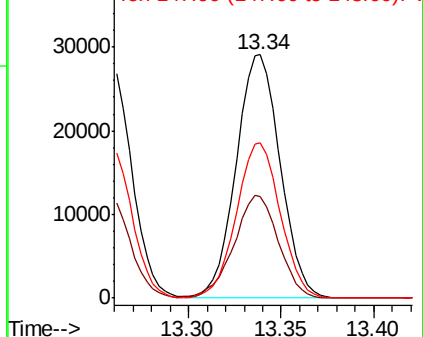
146 100

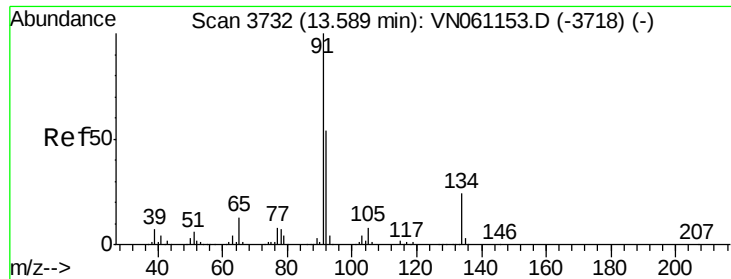
111 42.7 20.4 61.3

148 63.7 31.9 95.7



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

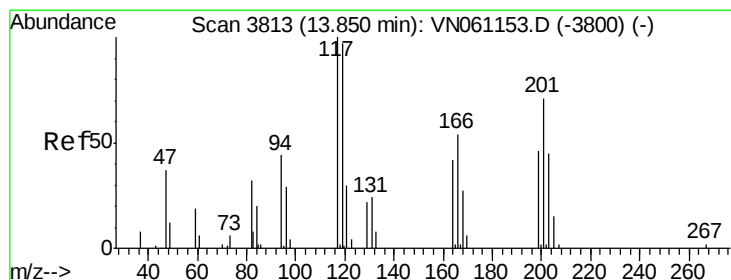
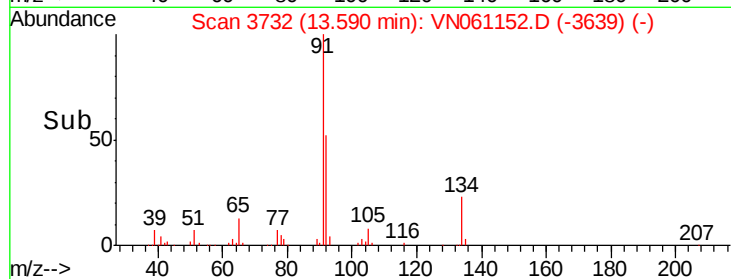
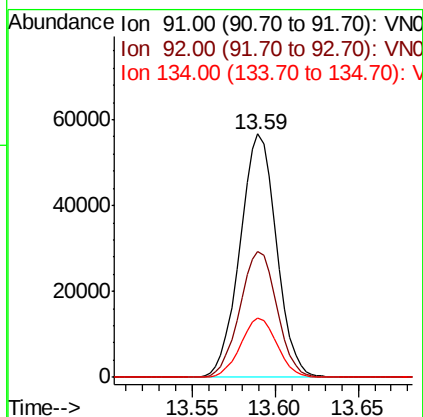
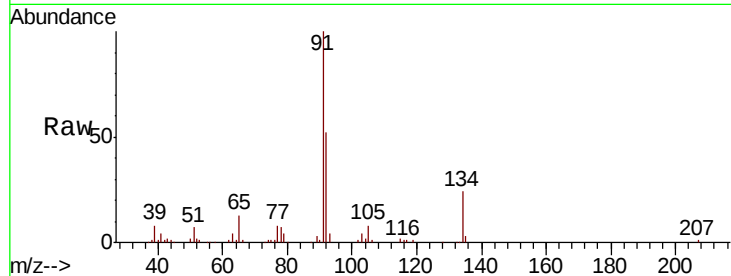




#89
n-Butylbenzene
Concen: 18.094 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

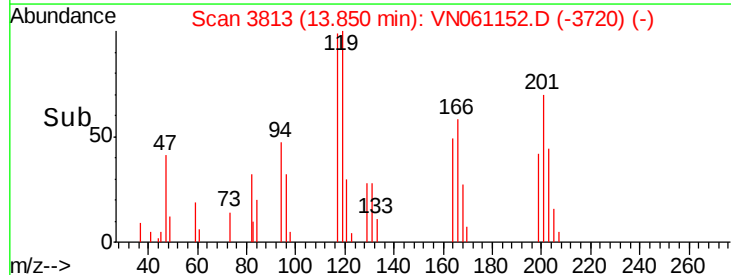
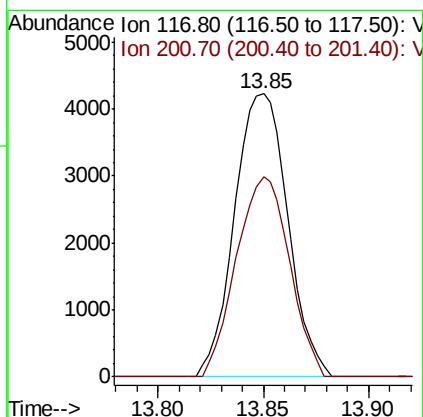
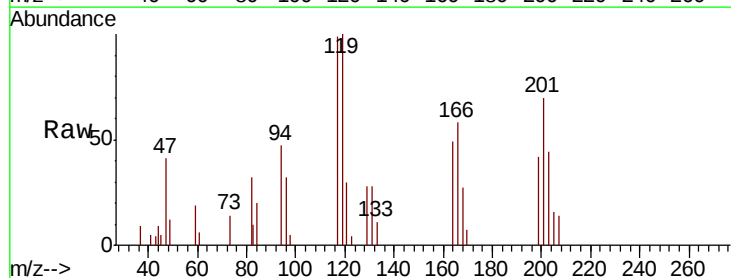
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.3
134	24.3	11.9	35.5



#90
Hexachloroethane
Concen: 17.470 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.5	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 19.530 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

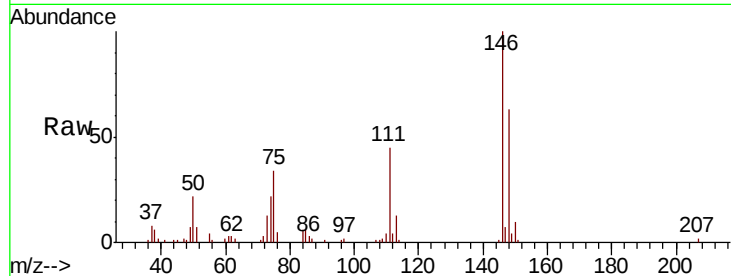
Tot Ion:146 Resp: 47454

Ion Ratio Lower Upper

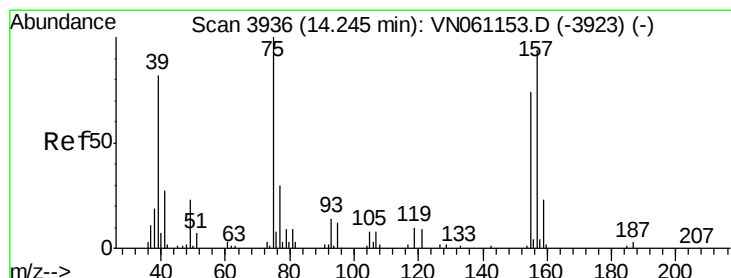
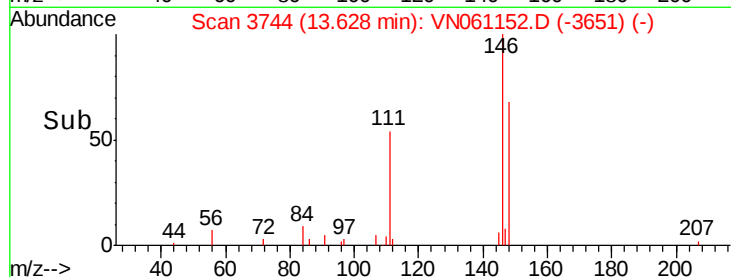
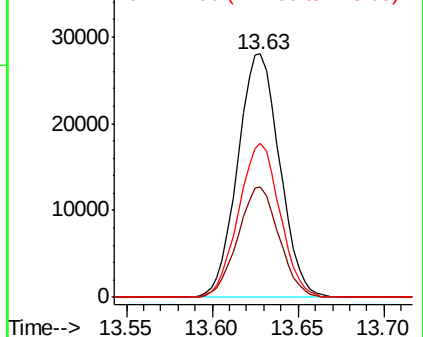
146 100

111 44.2 21.8 65.3

148 62.2 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: 21.954 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

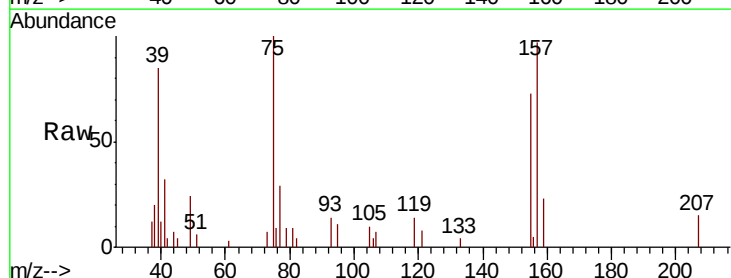
Tgt Ion: 75 Resp: 7923

Ion Ratio Lower Upper

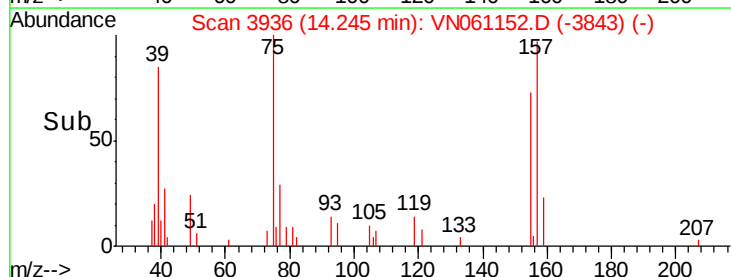
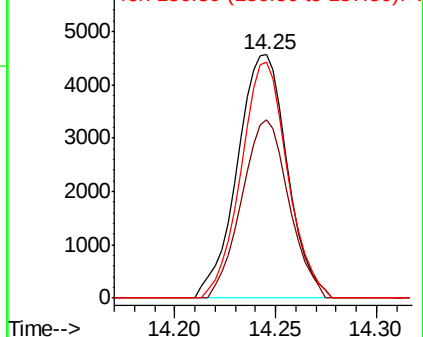
75 100

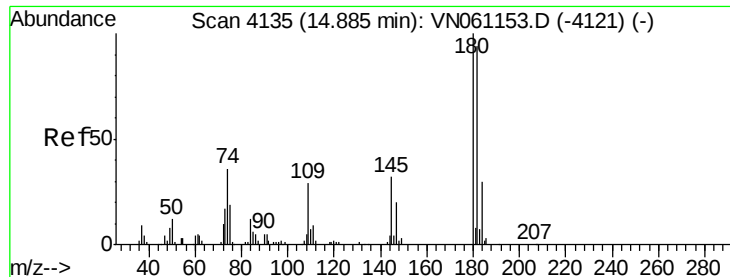
155 69.1 36.5 109.7

157 90.4 46.6 139.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

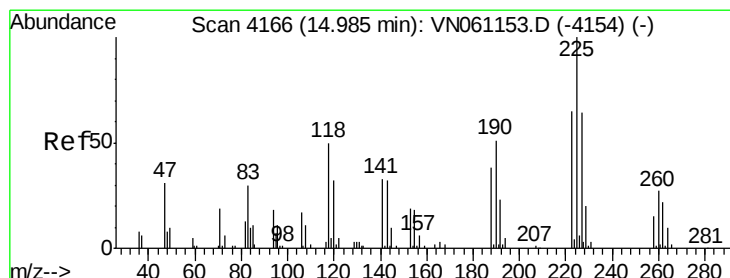
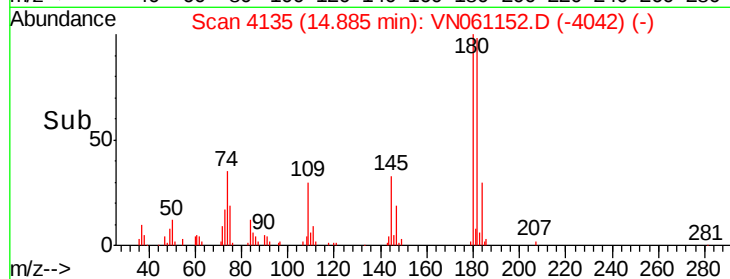
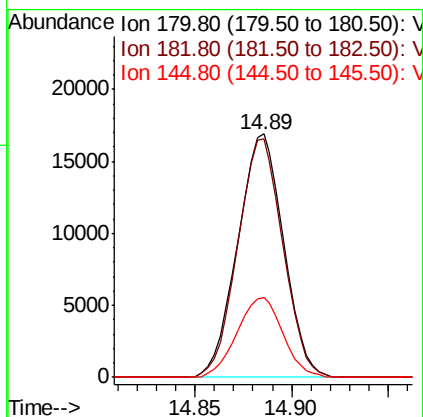
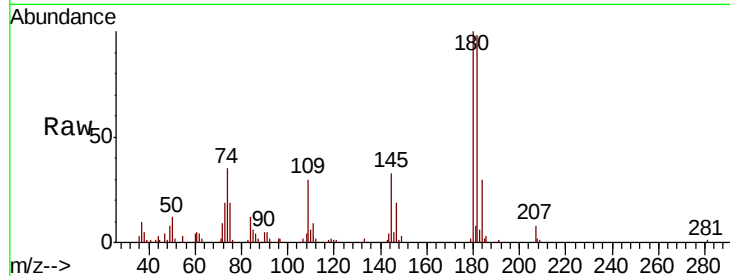




#93
 1,2,4-Trichlorobenzene
 Concen: 17.295 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

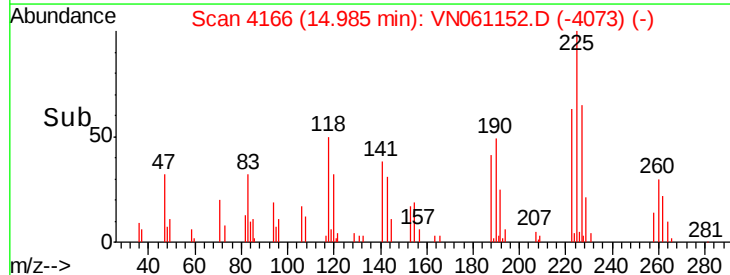
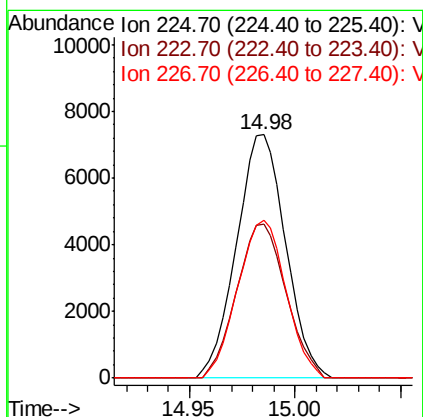
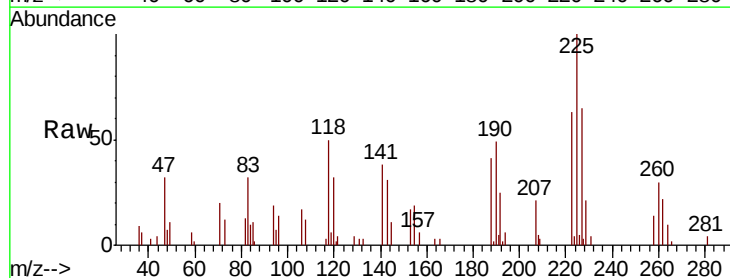
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

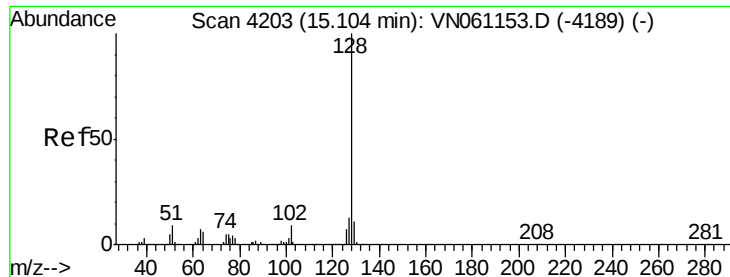
Tot Ion:180 Resp: 27867
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.3 141.9
 145 32.8 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 16.946 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion:225 Resp: 11828
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.4 97.0
 227 63.8 32.4 97.0





#95

Naphthalene

Concen: 18.181 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

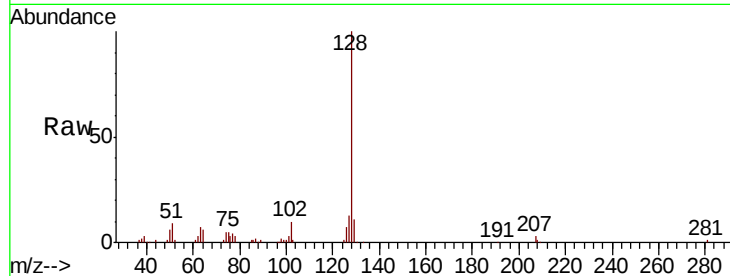
Tot Ion:128 Resp: 91161

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

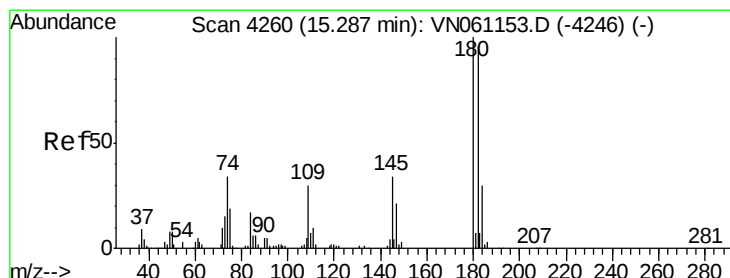
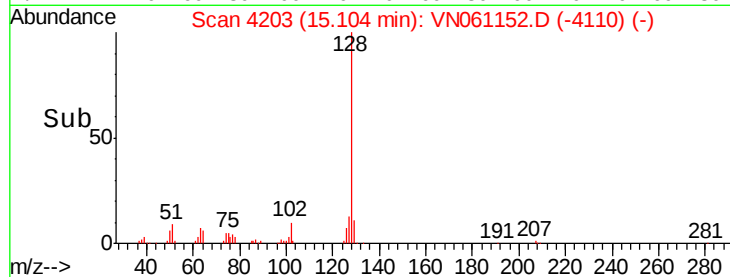
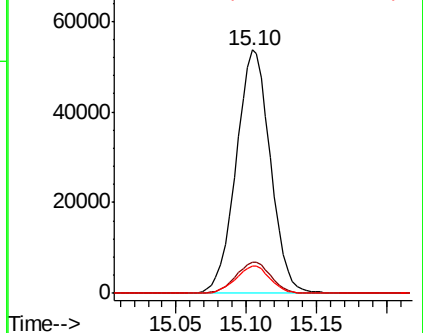
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.145 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

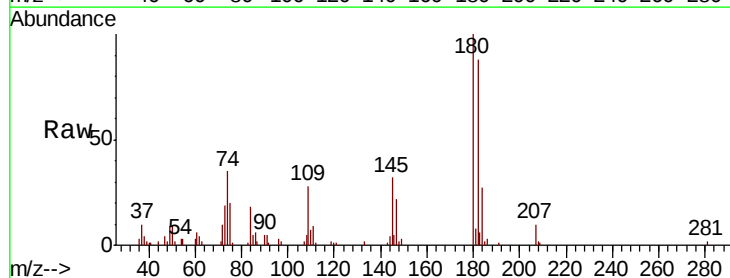
Tgt Ion:180 Resp: 28151

Ion Ratio Lower Upper

180 100

182 92.5 47.5 142.5

145 33.3 16.9 50.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

