

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060488.D
 Acq On : 13 Mar 2020 9:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 16 04:24:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	125442	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.56	113	94341	62.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.16%	
50) Toluene-d8	10.08	98	370914	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	143375	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	74206	40.295	ug/l	99
3) Chloromethane	2.04	50	136955	42.715	ug/l	99
4) Vinyl Chloride	2.16	62	109926	39.977	ug/l	100
5) Bromomethane	2.54	94	48160	43.185	ug/l	100
6) Chloroethane	2.68	64	65919	44.246	ug/l	97
7) Trichlorofluoromethane	3.00	101	154344	43.933	ug/l	100
8) Diethyl Ether	3.38	74	62659	47.238	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	93227	46.889	ug/l	99
10) Methyl Iodide	3.93	142	65013	35.828	ug/l	100
11) Tert butyl alcohol	4.72	59	92851	242.645	ug/l	100
12) 1,1-Dichloroethene	3.71	96	89489	46.369	ug/l	100
13) Acrolein	3.57	56	102403	286.851	ug/l	99
14) Allyl chloride	4.29	41	161582	45.414	ug/l	96
15) Acrylonitrile	4.94	53	273385	271.047	ug/l	99
16) Acetone	3.78	43	274319	329.625	ug/l	100
17) Carbon Disulfide	4.03	76	212939	41.462	ug/l	99
18) Methyl Acetate	4.28	43	144666	52.090	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	350809	50.071	ug/l	98
20) Methylene Chloride	4.52	84	105759	46.273	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	98057	47.272	ug/l	100
22) Diisopropyl ether	5.91	45	377899	52.435	ug/l	98
23) Vinyl Acetate	5.86	43	1513986	264.362	ug/l	99
24) 1,1-Dichloroethane	5.81	63	203395	49.856	ug/l	99
25) 2-Butanone	6.80	43	401296	298.533	ug/l	99
26) 2,2-Dichloropropane	6.79	77	183956	49.530	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	120711	45.548	ug/l	98
28) Bromochloromethane	7.17	49	80256	47.914	ug/l	95
29) Tetrahydrofuran	7.18	42	246251	263.442	ug/l	97
30) Chloroform	7.34	83	202571	49.880	ug/l	99
31) Cyclohexane	7.63	56	167667	48.110	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	175177	48.684	ug/l	99
36) 1,1-Dichloropropene	7.77	75	145981	46.783	ug/l	99
37) Ethyl Acetate	6.89	43	157386	53.268	ug/l	99
38) Carbon Tetrachloride	7.75	117	140245	46.162	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	163153	44.346	ug/l	97
40) Benzene	8.02	78	443555	48.838	ug/l	100
41) Methacrylonitrile	7.17	41	227368	166.660	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	161709	49.341	ug/l	99
43) Isopropyl Acetate	8.14	43	274770	53.120	ug/l	99
44) Trichloroethene	8.82	130	116258	45.962	ug/l	99
45) 1,2-Dichloropropane	9.10	63	124069	52.250	ug/l	99
46) Dibromomethane	9.19	93	75631	49.087	ug/l	99
47) Bromodichloromethane	9.38	83	163037	52.028	ug/l	100
48) Methyl methacrylate	9.18	41	121412	51.473	ug/l	98
49) 1,4-Dioxane	9.18	88	32396	976.648	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	801167	273.179	ug/l	100
52) Toluene	10.14	92	274339	48.087	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	189630	49.386	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	199396	50.115	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	113318	49.392	ug/l	97
56) Ethyl methacrylate	10.42	69	177660	53.901	ug/l	97
57) 1,3-Dichloropropane	10.70	76	194722	52.044	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	459285	266.430	ug/l	98
59) 2-Hexanone	10.74	43	605355	281.128	ug/l	100
60) Dibromochloromethane	10.89	129	122265	52.403	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112901	50.481	ug/l	100
64) Tetrachloroethene	10.62	164	110422	46.015	ug/l	99
65) Chlorobenzene	11.43	112	291568	47.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	111472	49.108	ug/l	98
67) Ethyl Benzene	11.50	91	543757	48.636	ug/l	99
68) m/p-Xylenes	11.61	106	403925	95.759	ug/l	100
69) o-Xylene	11.94	106	196501	48.852	ug/l	99
70) Styrene	11.96	104	330045	49.906	ug/l	100
71) Bromoform	12.12	173	89204	54.527	ug/l #	100
73) Isopropylbenzene	12.24	105	530760	47.658	ug/l	99
74) N-amyl acetate	12.06	43	246312	50.613	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	164493	54.336	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	223213	67.709	ug/l #	100
77) Bromobenzene	12.52	156	128411	47.038	ug/l	96
78) n-propylbenzene	12.59	91	631701	48.389	ug/l	99
79) 2-Chlorotoluene	12.67	91	369897	48.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	448892	47.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	62887	52.658	ug/l #	85
82) 4-Chlorotoluene	12.77	91	384037	47.501	ug/l	99
83) tert-Butylbenzene	12.99	119	381139	46.947	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	453570	47.924	ug/l	100
85) sec-Butylbenzene	13.17	105	519220	47.760	ug/l	99
86) p-Isopropyltoluene	13.28	119	469055	46.616	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	234269	49.941	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	234612	50.301	ug/l	99
89) n-Butylbenzene	13.61	91	432715	46.846	ug/l	99
90) Hexachloroethane	13.87	117	68624	47.117	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	223793	46.784	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32365	47.210	ug/l	100

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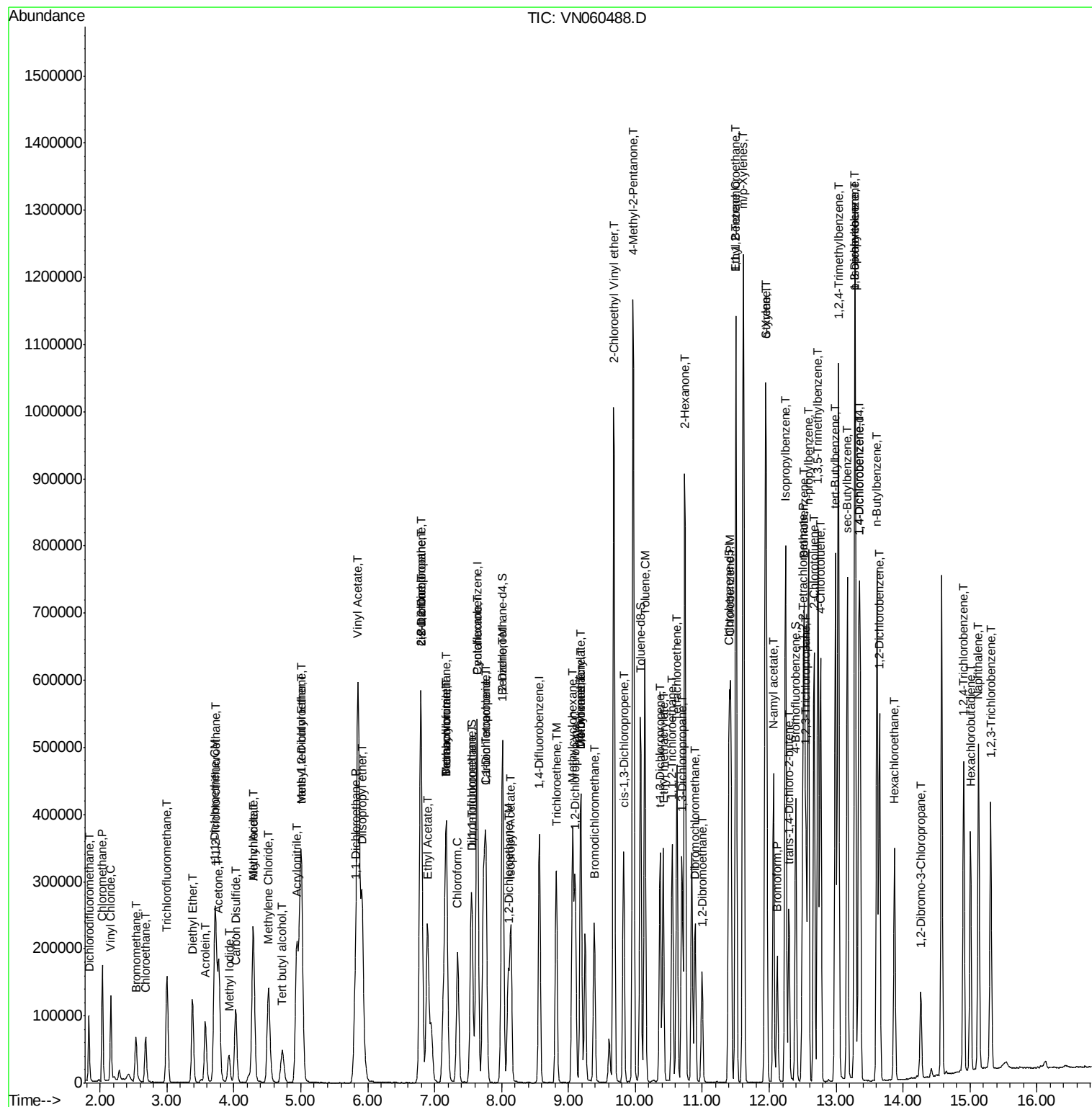
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	144811	47.646	ug/l	99
94) Hexachlorobutadiene	15.01	225	70057	50.141	ug/l	98
95) Naphthalene	15.13	128	413669	46.184	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	135184	47.215	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

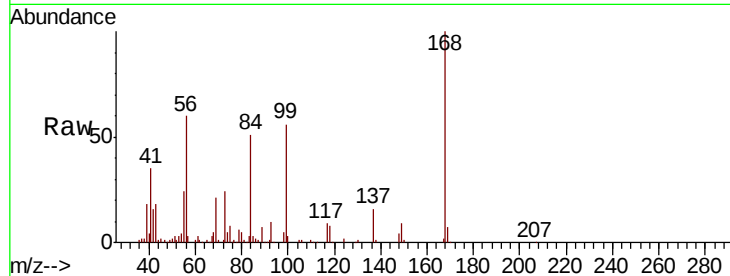
ClientSampled :

Tot Ion:168 Resp: 200861

Ion Ratio Lower Upper

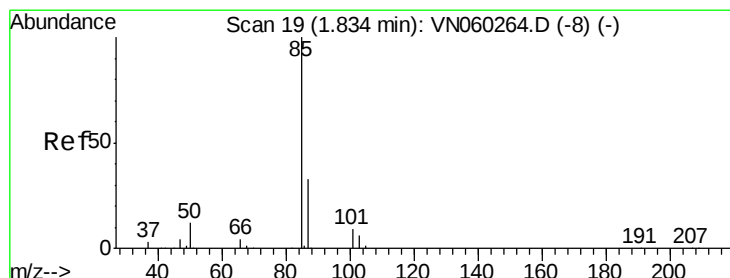
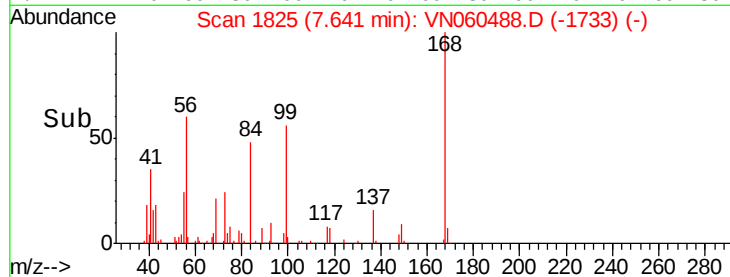
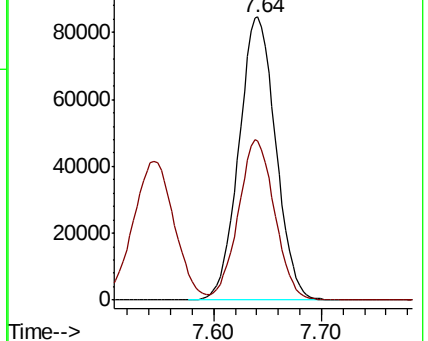
168 100

99 56.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 40.295 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060488.D

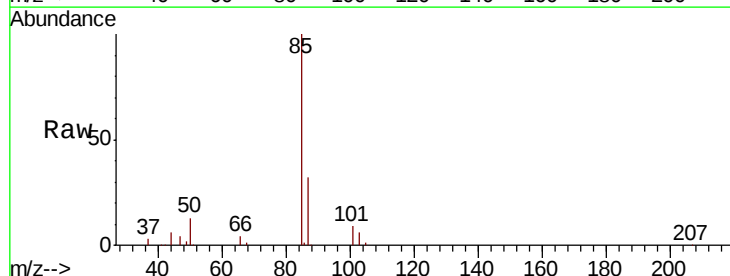
Acq: 13 Mar 2020 9:06

Tgt Ion: 85 Resp: 74206

Ion Ratio Lower Upper

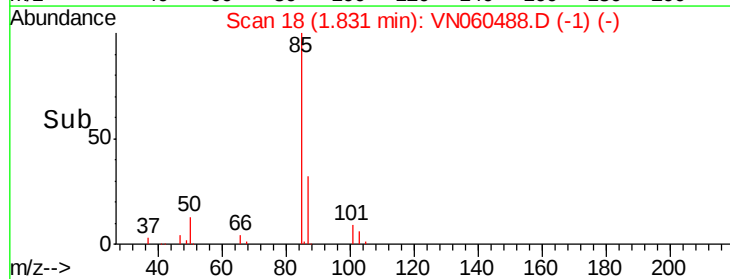
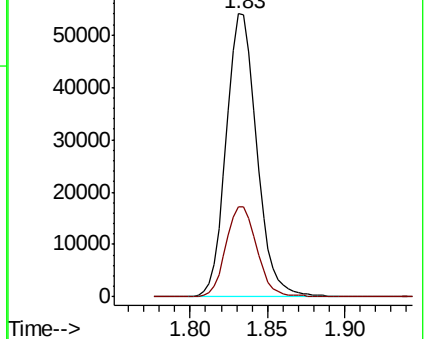
85 100

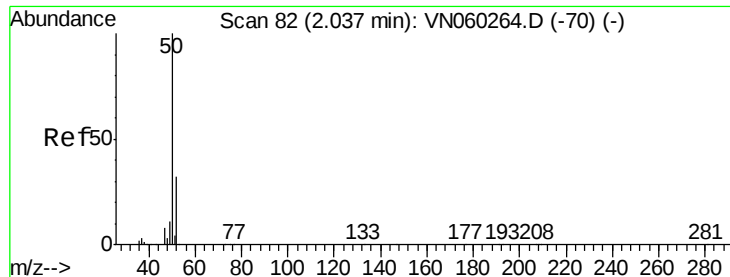
87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

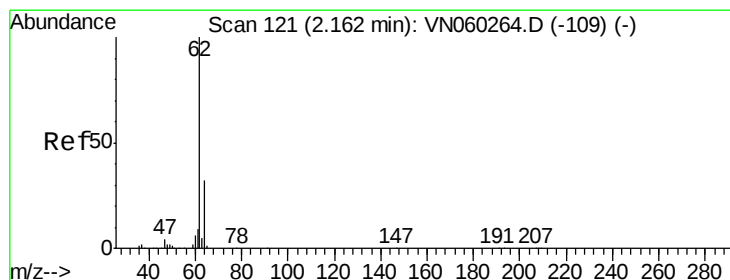
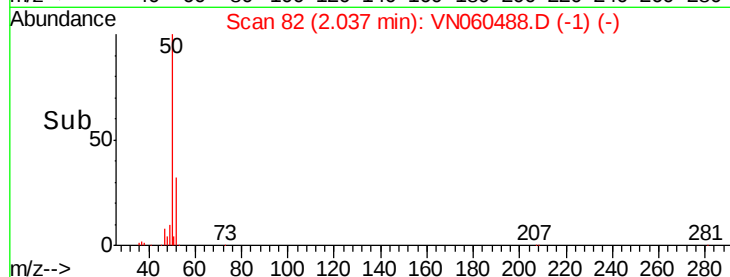
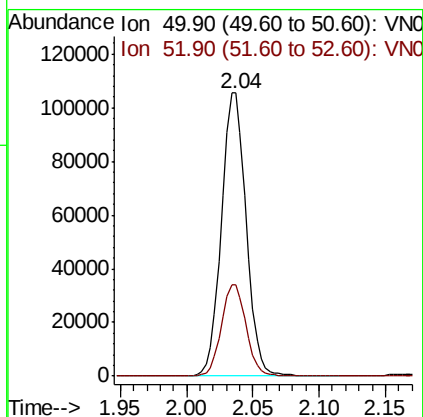
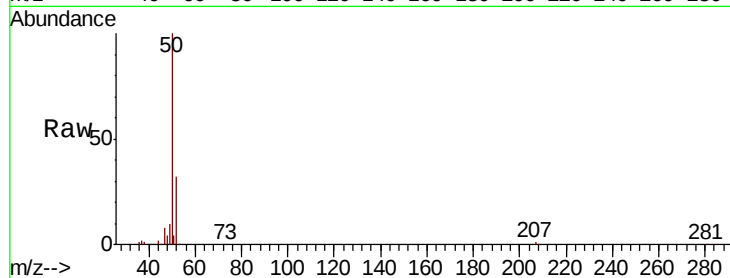




#3
Chloromethane
Concen: 42.715 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

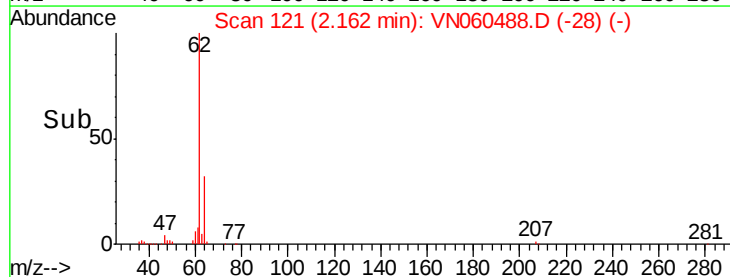
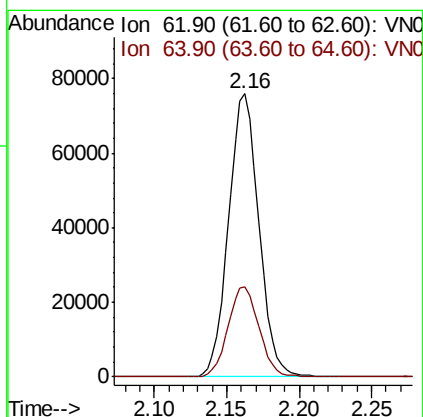
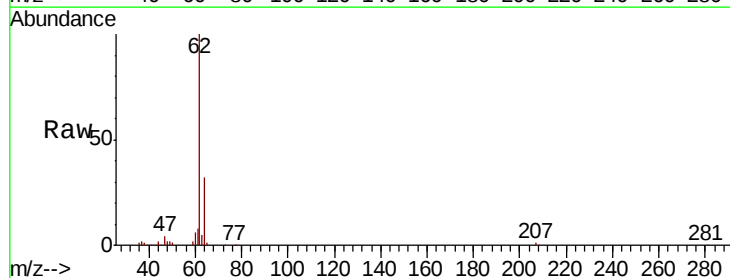
Instrument :
MSVOA_N
ClientSampled :

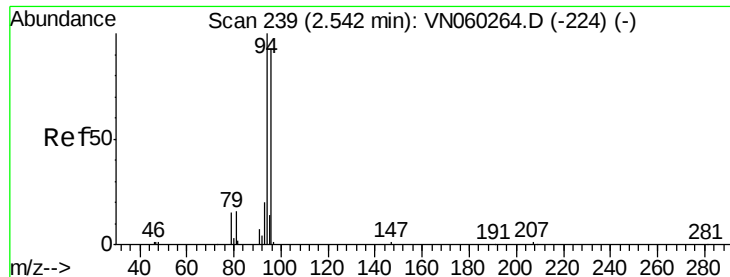
Tot Ion: 50 Resp: 136955
Ion Ratio Lower Upper
50 100
52 32.3 25.6 38.4



#4
Vinyl Chloride
Concen: 39.977 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 62 Resp: 109926
Ion Ratio Lower Upper
62 100
64 31.6 25.5 38.3





#5

Bromomethane

Concen: 43.185 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

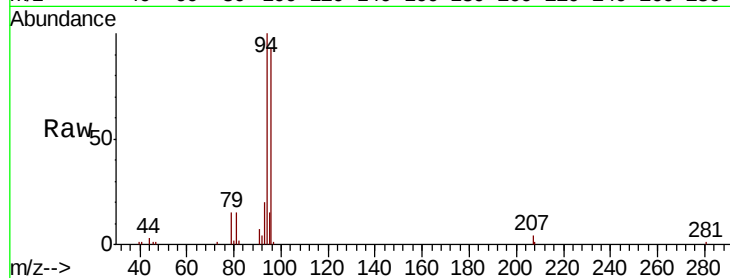
ClientSampled :

Tot Ion: 94 Resp: 48160

Ion Ratio Lower Upper

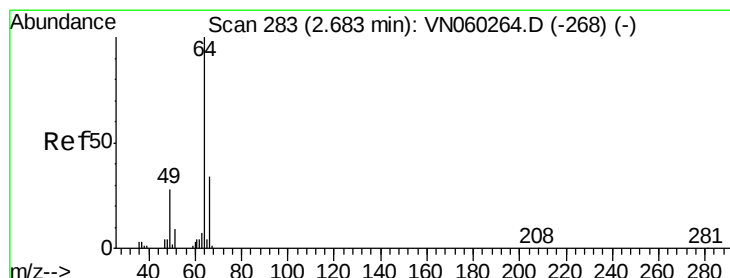
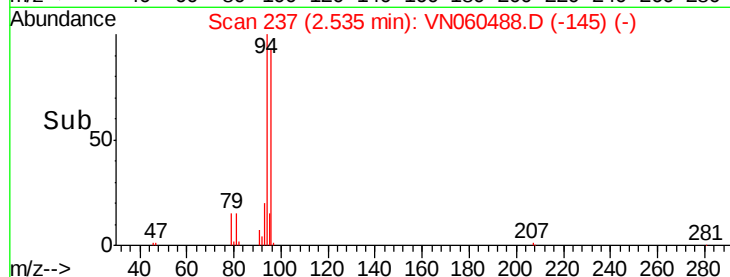
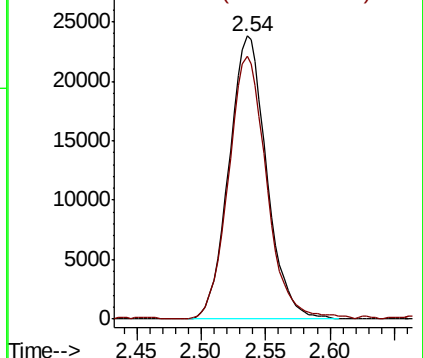
94 100

96 93.0 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.246 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060488.D

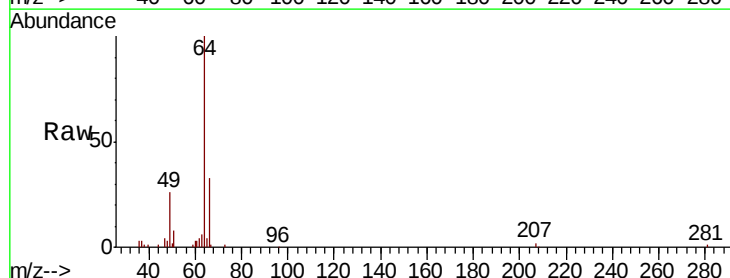
Acq: 13 Mar 2020 9:06

Tgt Ion: 64 Resp: 65919

Ion Ratio Lower Upper

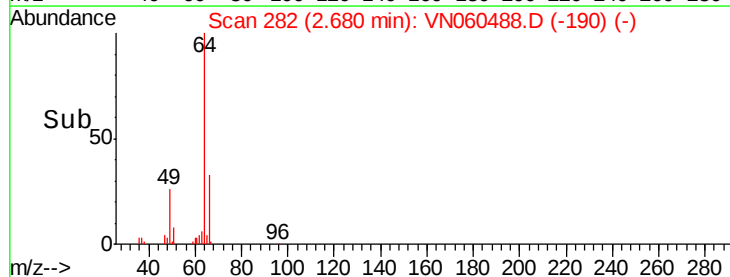
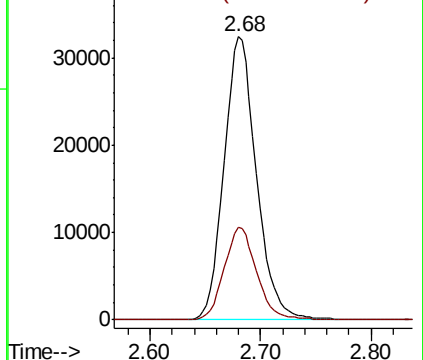
64 100

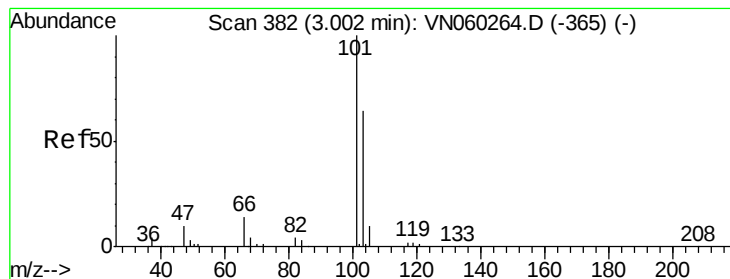
66 32.5 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



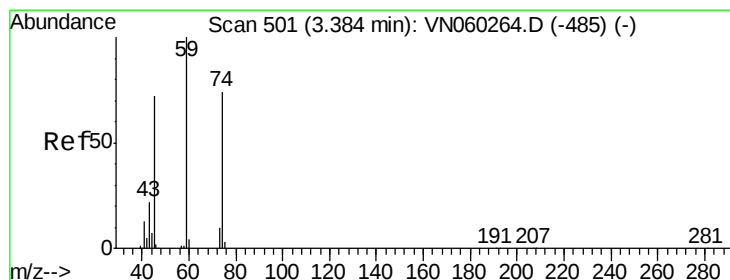
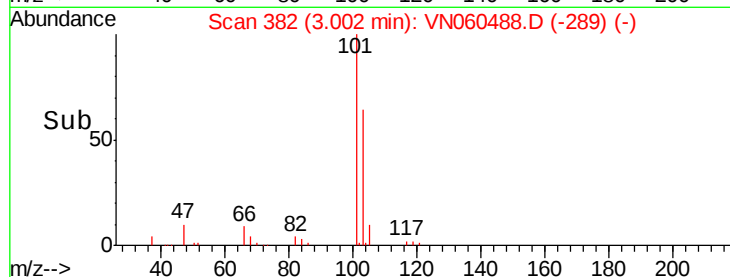
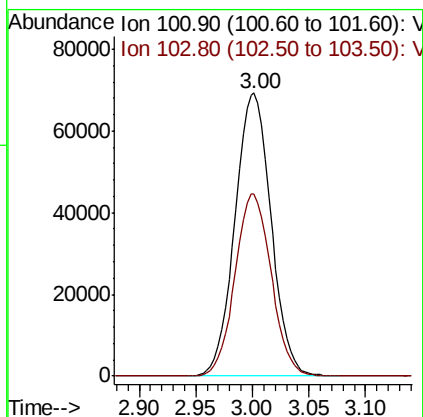
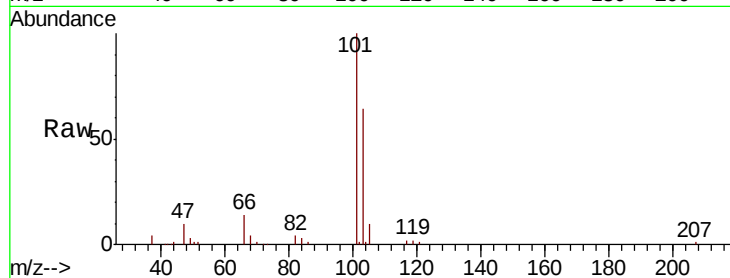


#7

Trichlorofluoromethane
 Concen: 43.933 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
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 ClientSampleId :

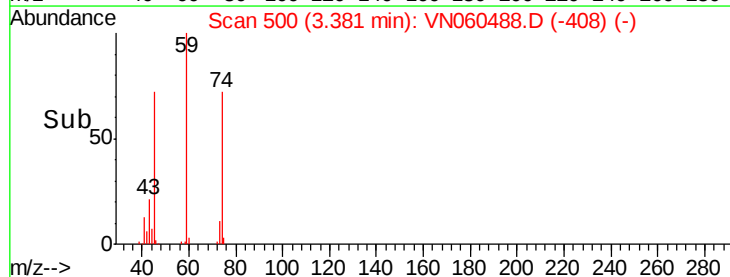
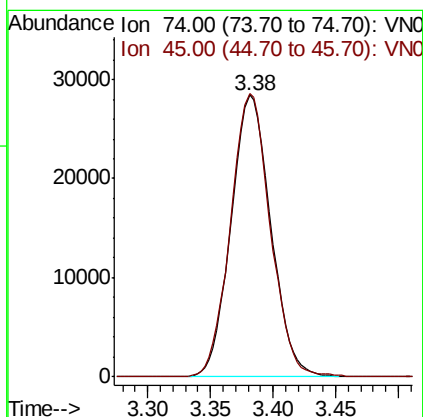
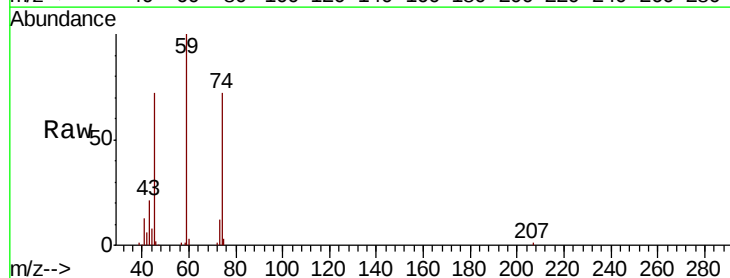
Tot Ion:101 Resp: 154344
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.3 76.9



#8

Diethyl Ether
 Concen: 47.238 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion: 74 Resp: 62659
 Ion Ratio Lower Upper
 74 100
 45 100.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.889 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

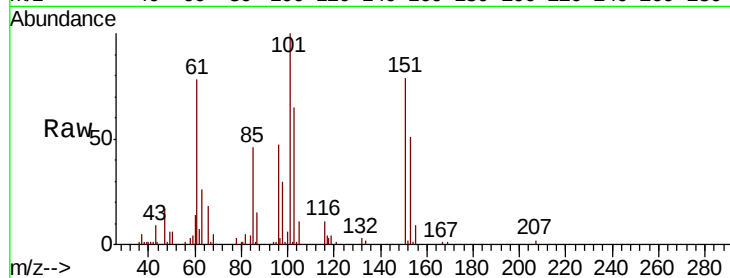
Tot Ion:101 Resp: 93227

Ion Ratio Lower Upper

101 100

85 45.1 35.4 53.2

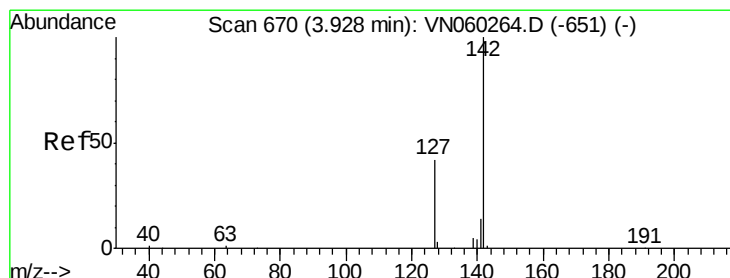
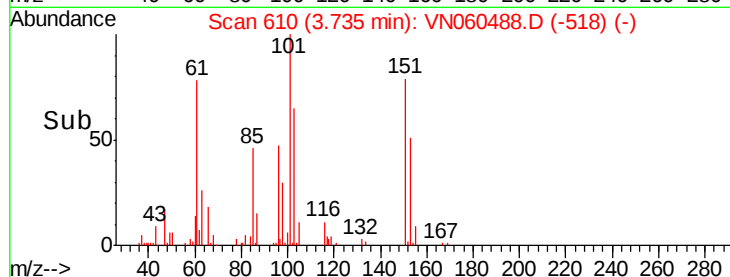
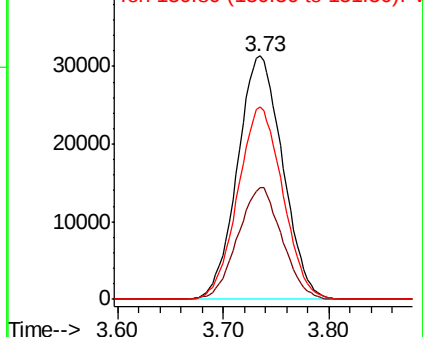
151 78.7 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 35.828 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

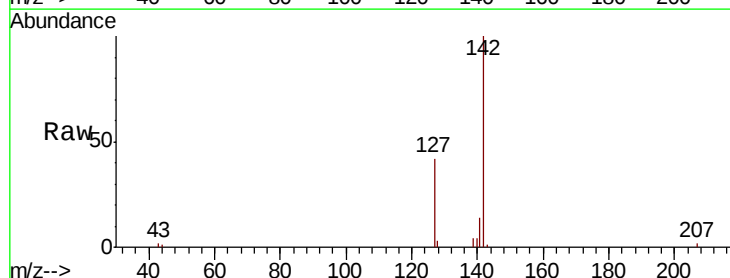
Tgt Ion:142 Resp: 65013

Ion Ratio Lower Upper

142 100

127 42.2 33.8 50.6

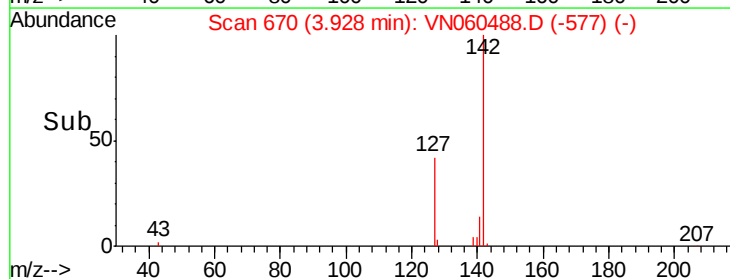
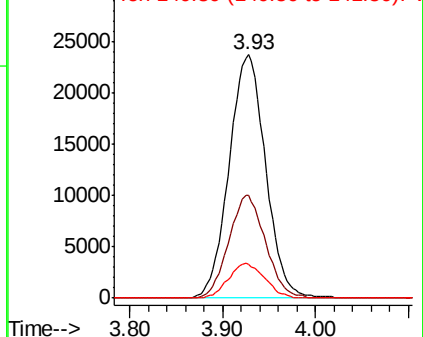
141 14.1 11.1 16.7



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

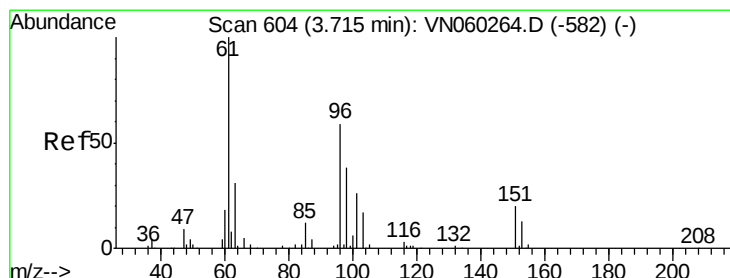
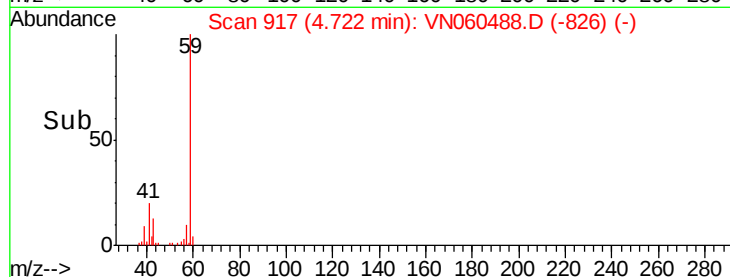
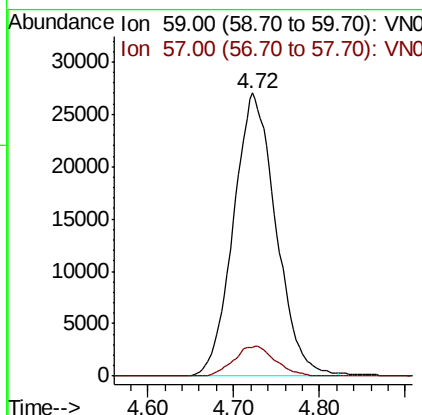
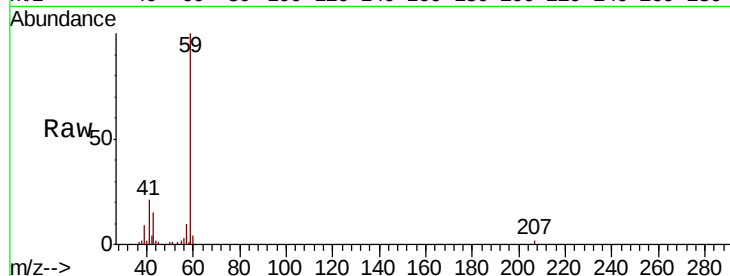




#11
Tert butyl alcohol
Concen: 242.645 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

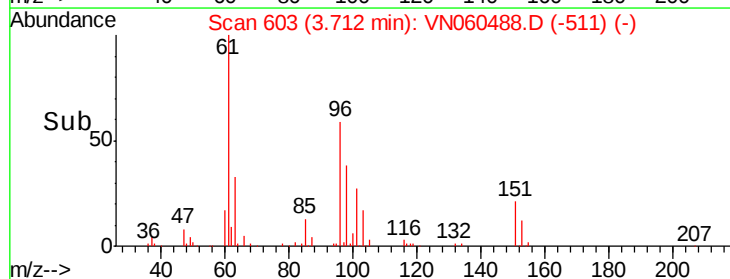
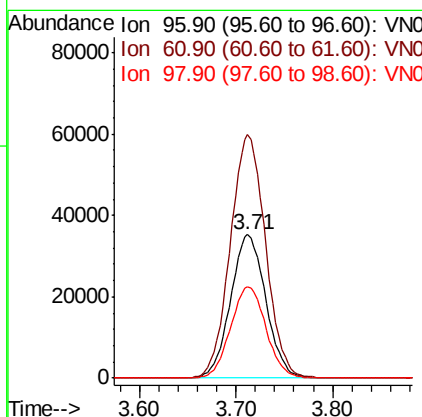
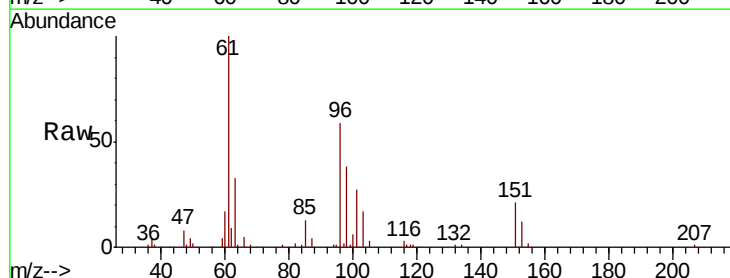
Instrument :
MSVOA_N
ClientSampled :

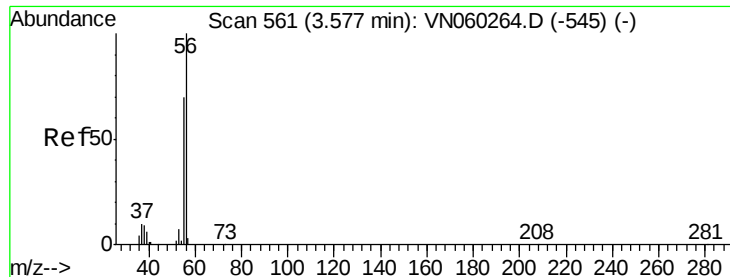
Tot Ion: 59 Resp: 92851
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 46.369 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 96 Resp: 89489
Ion Ratio Lower Upper
96 100
61 169.5 135.4 203.0
98 63.9 51.6 77.4





#13

Acrolein

Concen: 286.851 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

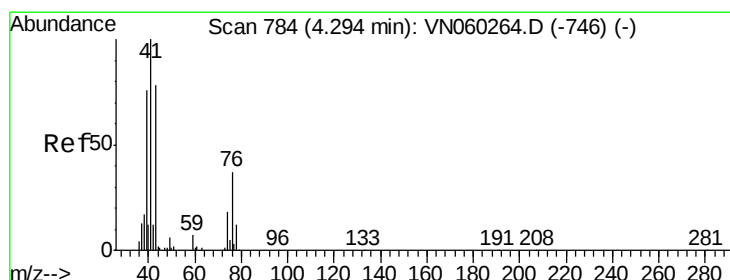
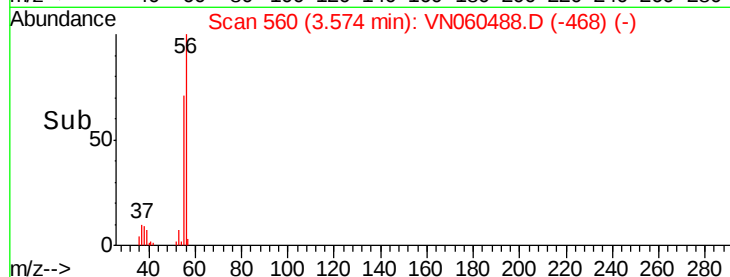
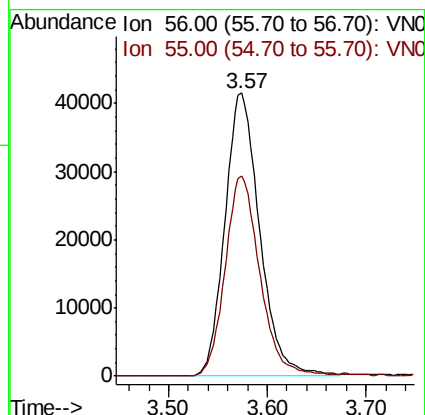
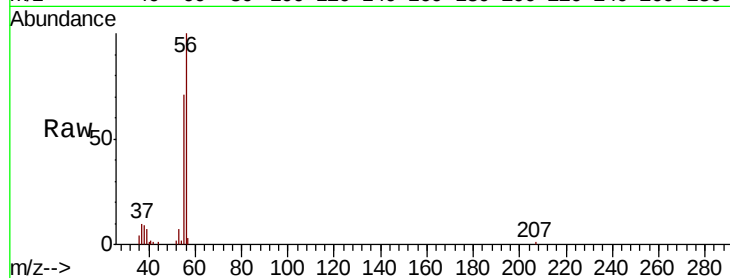
ClientSampleId :

Tot Ion: 56 Resp: 102403

Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.0



#14

Allyl chloride

Concen: 45.414 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

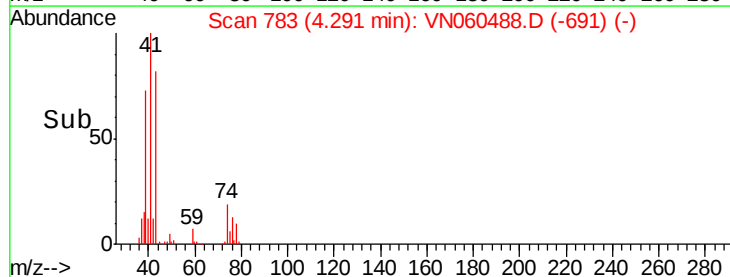
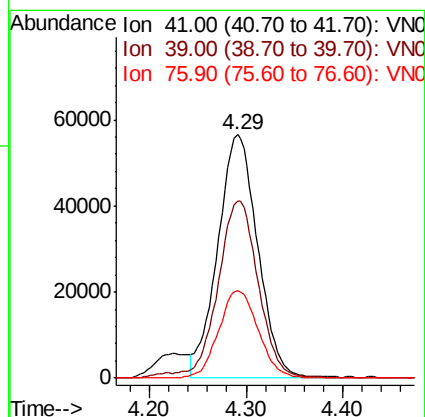
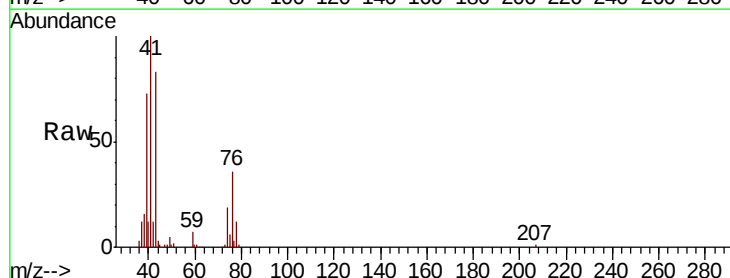
Tgt Ion: 41 Resp: 161582

Ion Ratio Lower Upper

41 100

39 72.8 55.4 83.2

76 35.7 27.0 40.6





#15

Acrylonitrile

Concen: 271.047 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

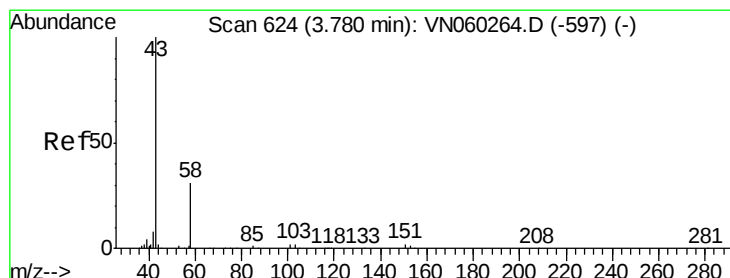
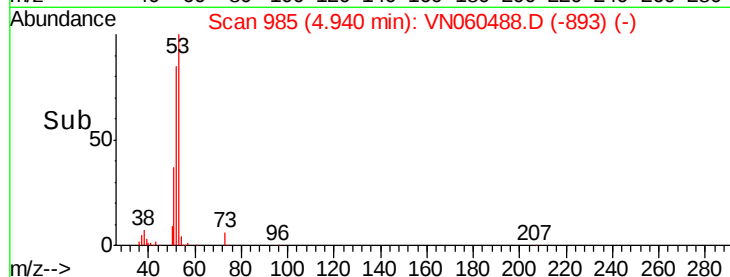
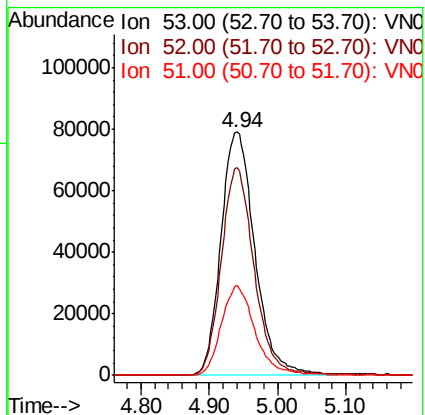
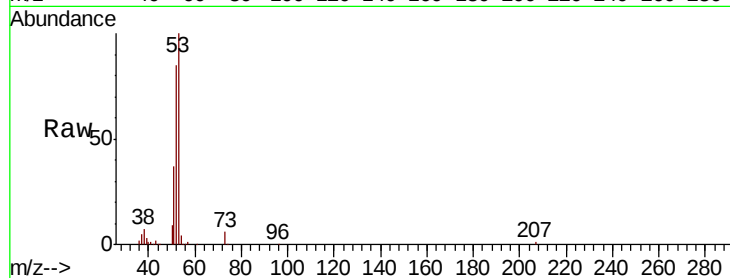
Tot Ion: 53 Resp: 273385

Ion Ratio Lower Upper

53 100

52 82.4 66.8 100.2

51 36.4 29.0 43.6



#16

Acetone

Concen: 329.625 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060488.D

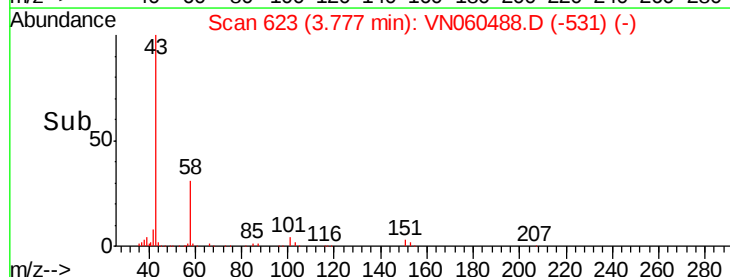
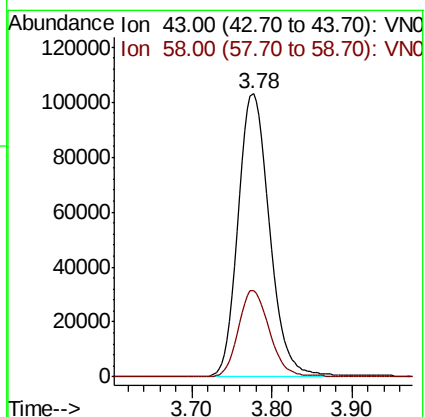
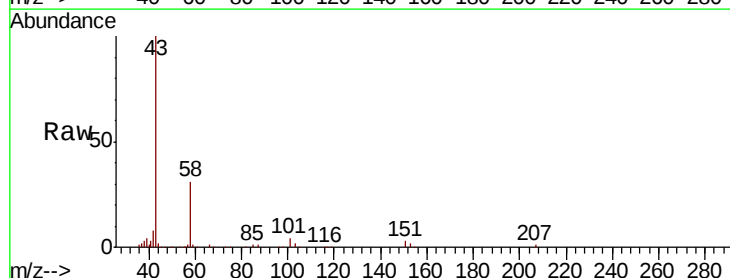
Acq: 13 Mar 2020 9:06

Tgt Ion: 43 Resp: 274319

Ion Ratio Lower Upper

43 100

58 30.6 24.6 36.8

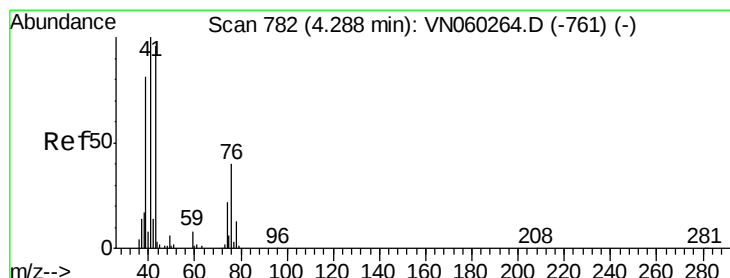
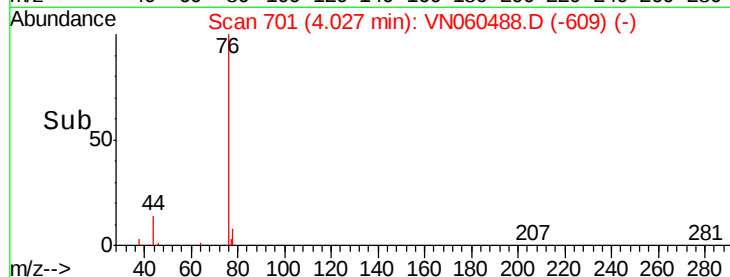
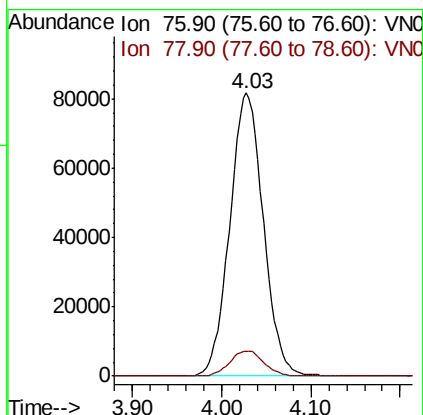
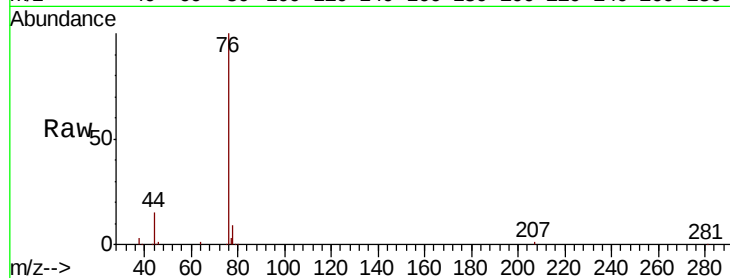




#17
Carbon Disulfide
Concen: 41.462 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

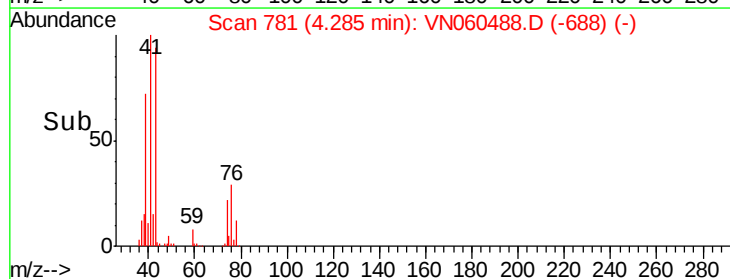
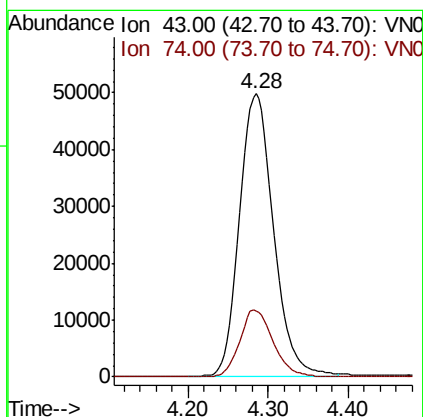
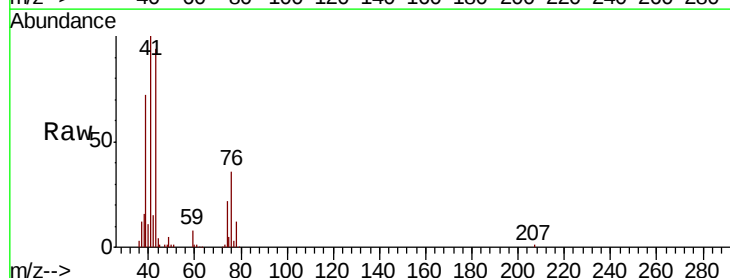
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 212939
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 52.090 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 43 Resp: 144666
Ion Ratio Lower Upper
43 100
74 23.0 18.8 28.2

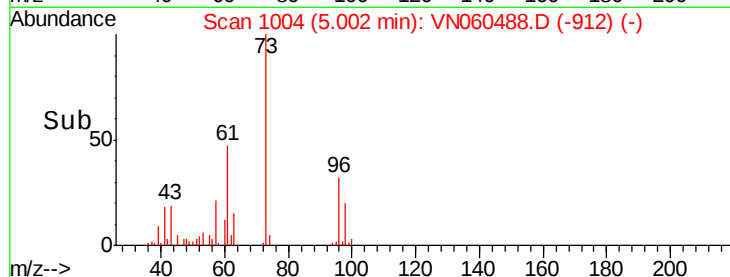
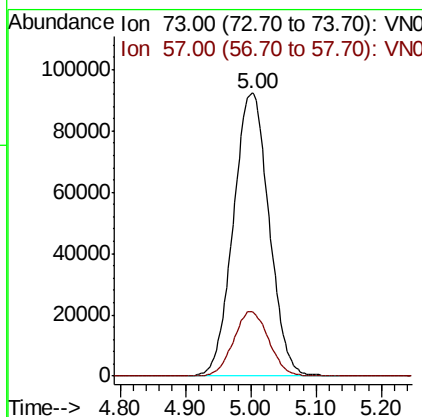
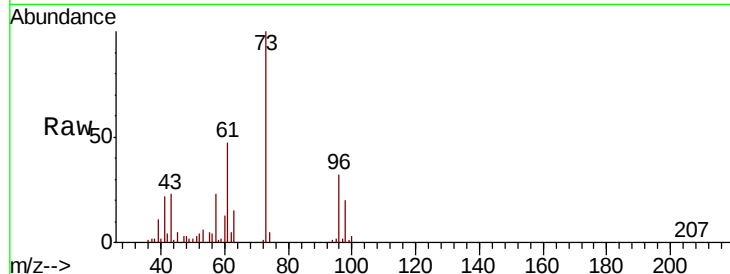




#19
Methyl tert-butyl Ether
Concen: 50.071 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

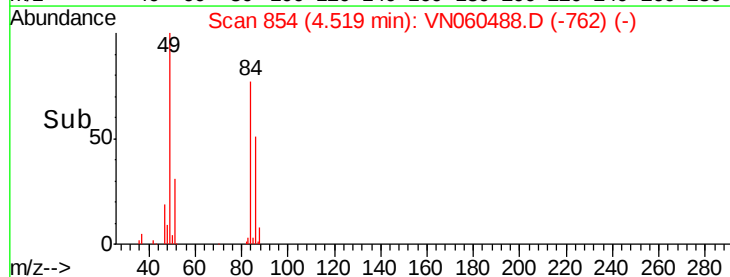
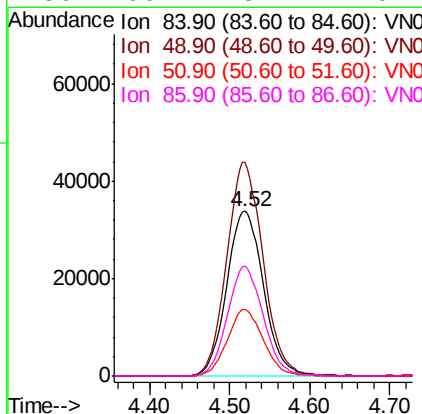
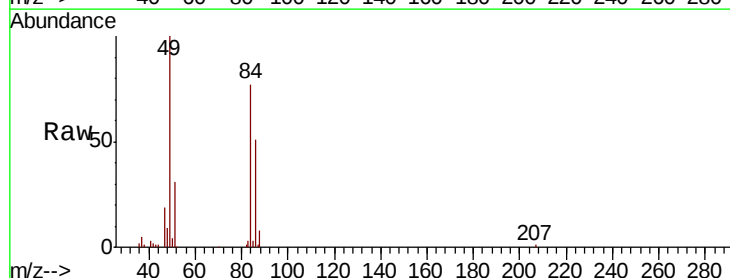
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 350809
Ion Ratio Lower Upper
73 100
57 22.8 17.3 25.9



#20
Methylene Chloride
Concen: 46.273 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 84 Resp: 105759
Ion Ratio Lower Upper
84 100
49 129.7 99.3 148.9
51 40.3 30.1 45.1
86 66.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.272 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampled :

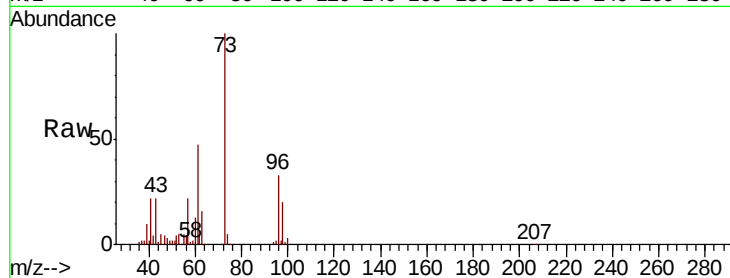
Tot Ion: 96 Resp: 98057

Ion Ratio Lower Upper

96 100

61 141.9 113.8 170.8

98 60.8 48.8 73.2

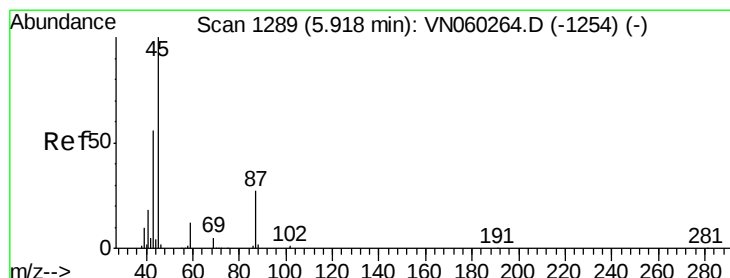
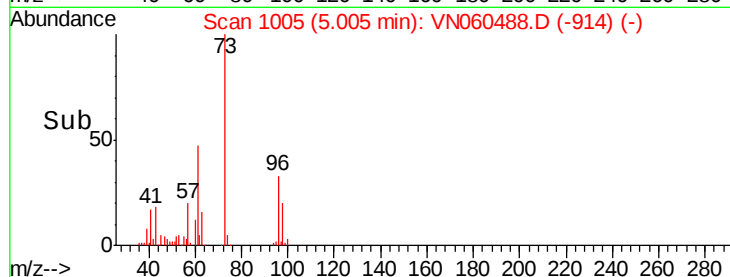
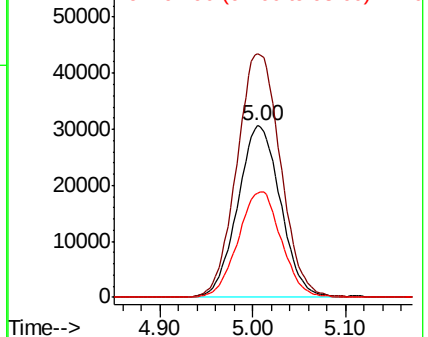


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 52.435 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion: 45 Resp: 377899

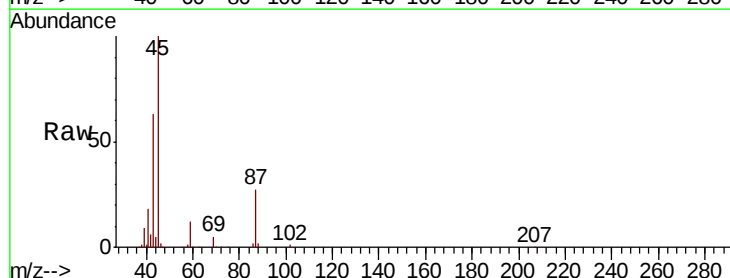
Ion Ratio Lower Upper

45 100

43 62.4 48.6 72.8

87 26.9 22.2 33.2

59 11.5 9.5 14.3



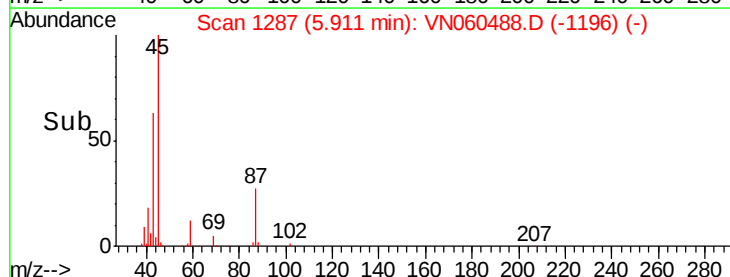
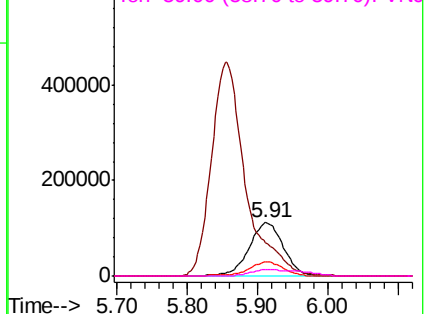
Abundance

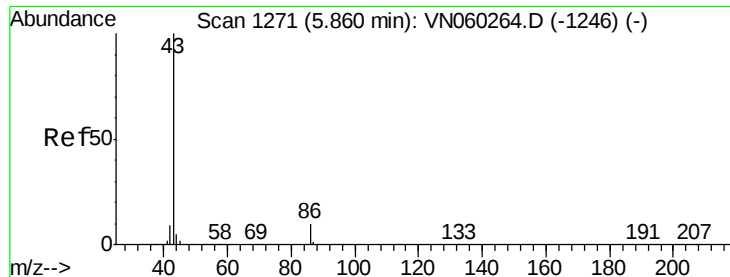
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 264.362 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

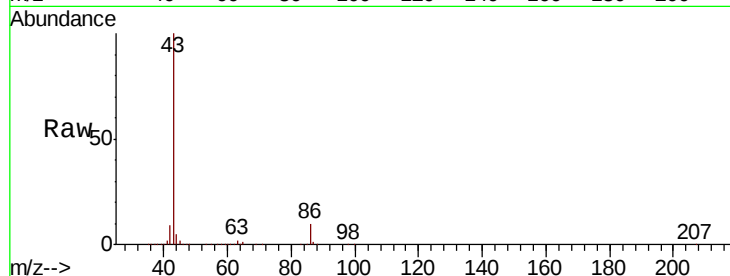
ClientSampled :

Tot Ion: 43 Resp: 1513986

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060264.D (-1246) (-)

5.86

500000

400000

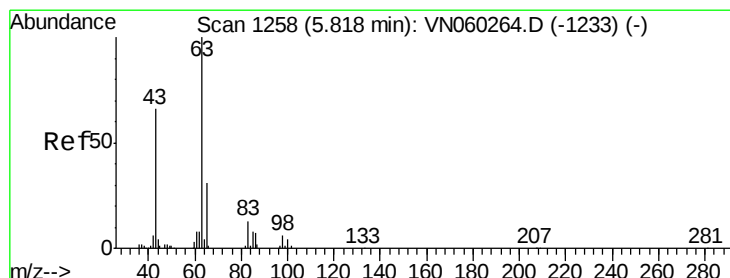
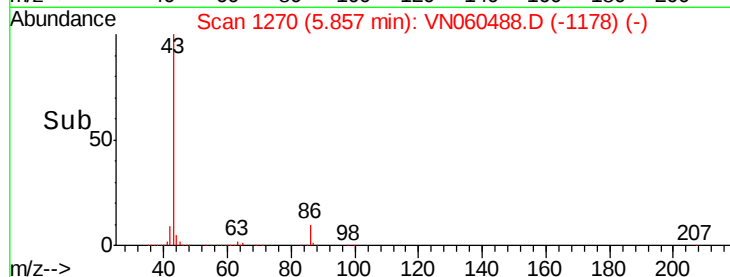
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.856 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

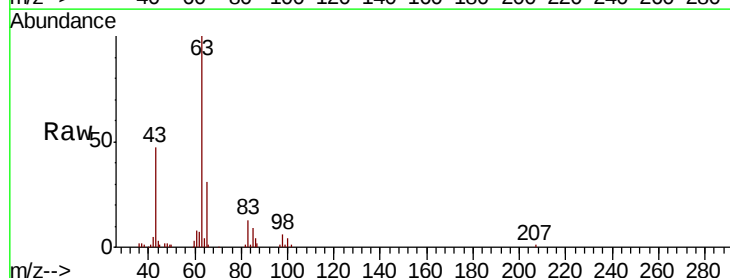
Tgt Ion: 63 Resp: 203395

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060264.D (-1233) (-)

80000

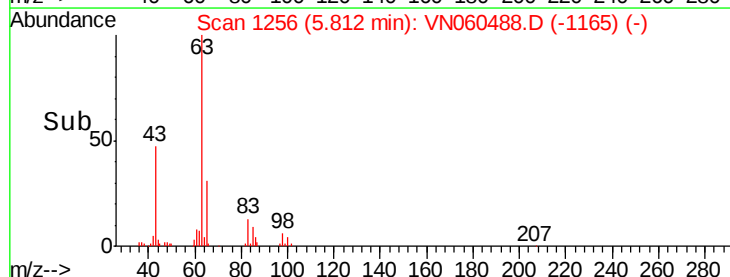
60000

40000

20000

0

Time-->

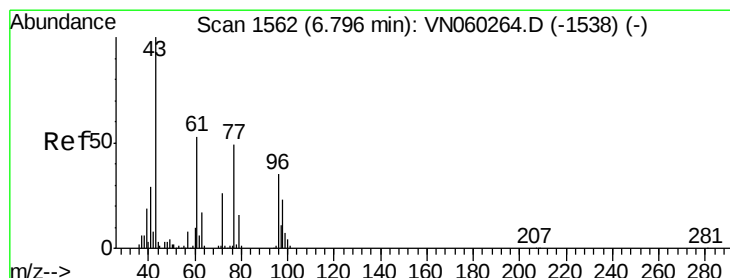
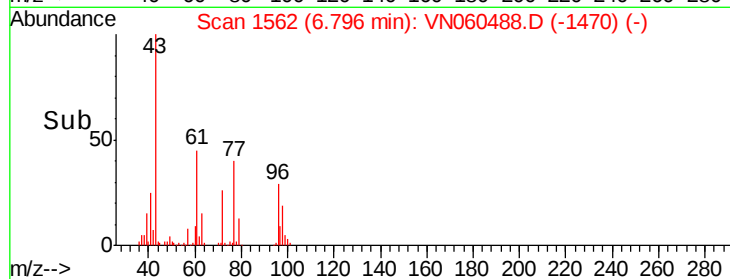
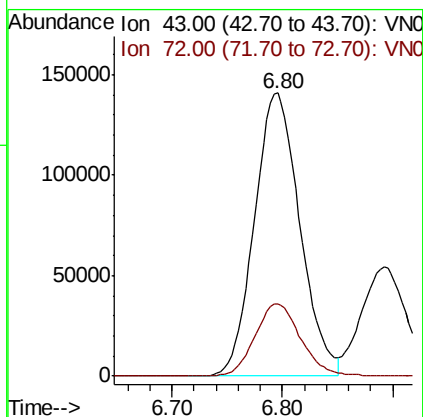
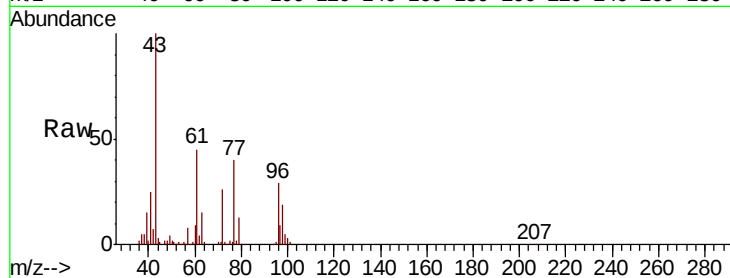




#25
2-Butanone
Concen: 298.533 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

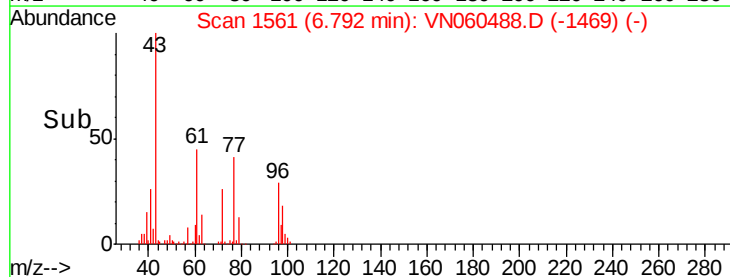
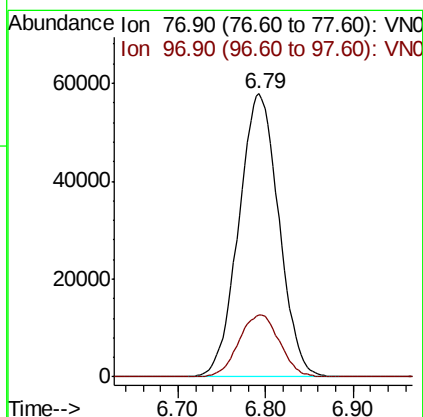
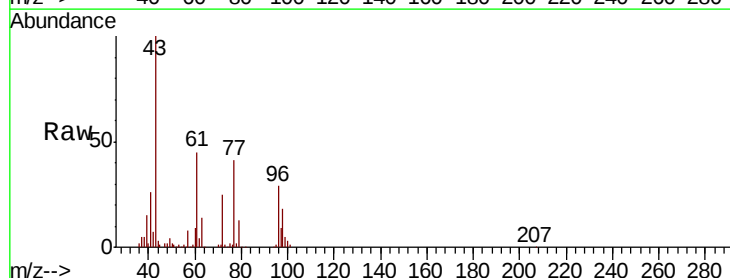
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 401296
Ion Ratio Lower Upper
43 100
72 25.7 20.9 31.3



#26
2,2-Dichloropropane
Concen: 49.530 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 77 Resp: 183956
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.548 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :

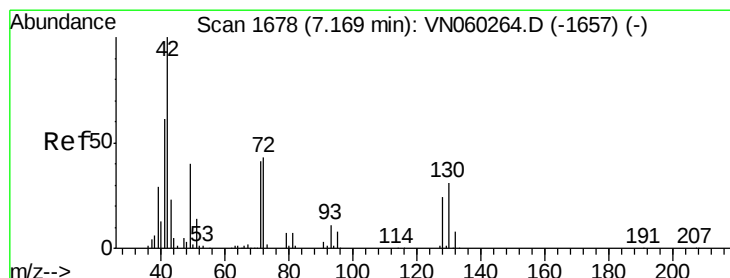
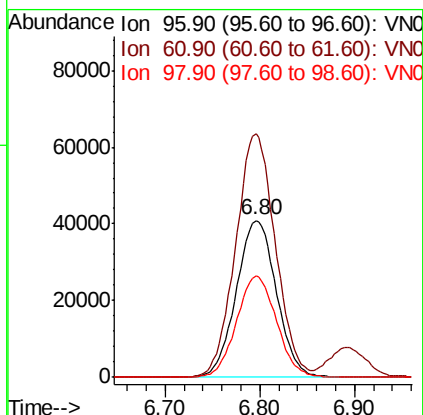
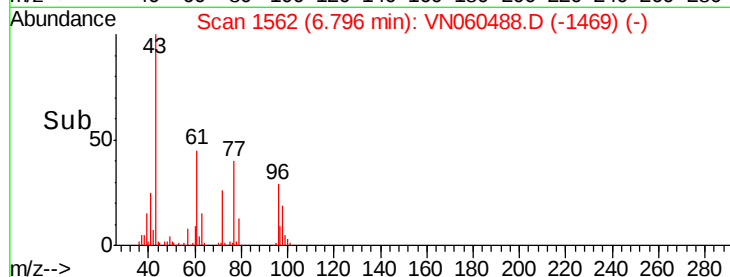
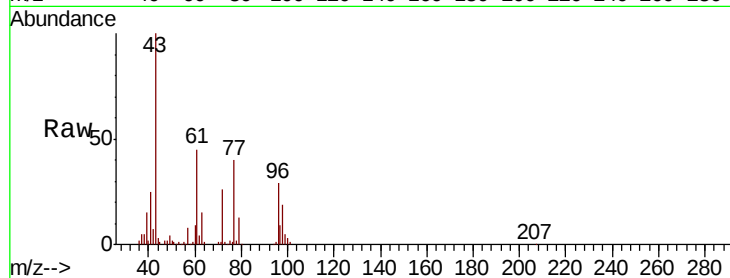
Tot Ion: 96 Resp: 120711

Ion Ratio Lower Upper

96 100

61 153.3 0.0 300.8

98 64.2 0.0 128.2



#28

Bromochloromethane

Concen: 47.914 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

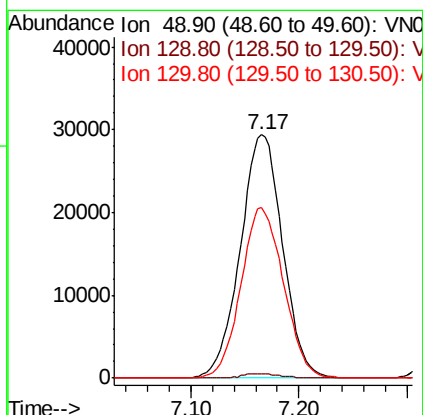
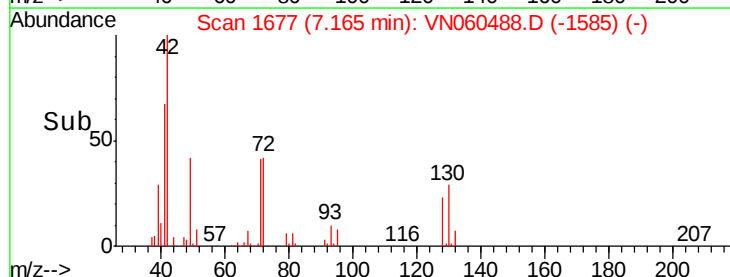
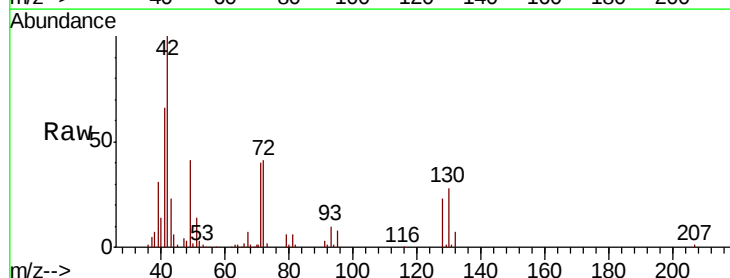
Tgt Ion: 49 Resp: 80256

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.8

130 70.2 59.8 89.8





#29

Tetrahydrofuran

Concen: 263.442 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampled :

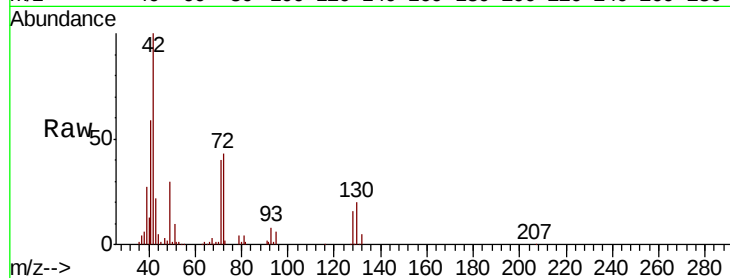
Tot Ion: 42 Resp: 246251

Ion Ratio Lower Upper

42 100

72 41.8 34.6 52.0

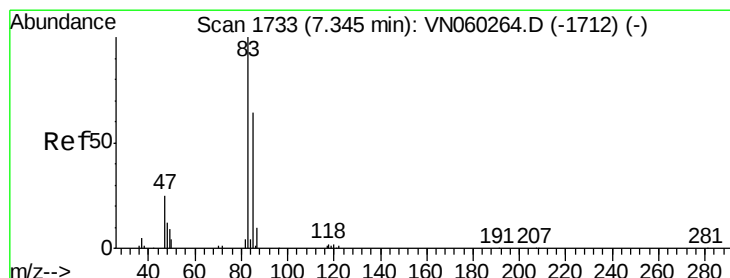
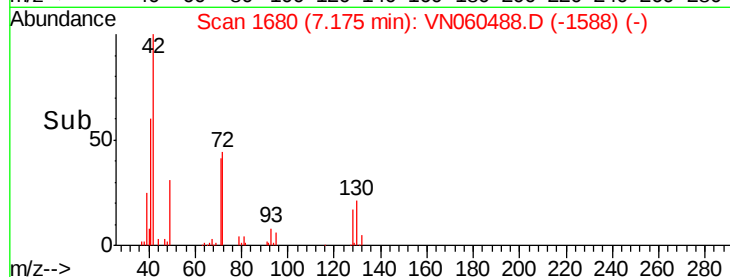
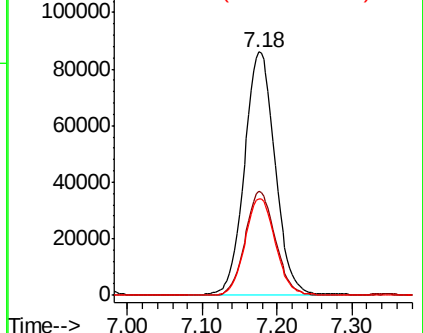
71 39.4 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060264.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN060264.D (-1651) (-)



#30

Chloroform

Concen: 49.880 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060488.D

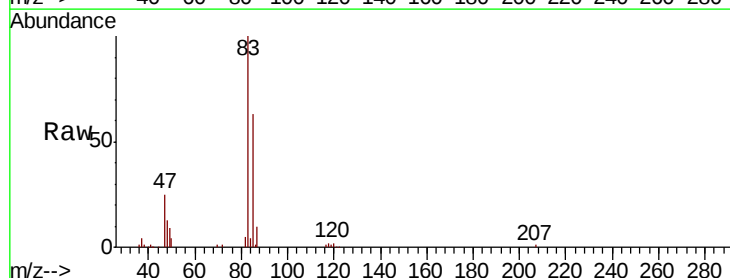
Acq: 13 Mar 2020 9:06

Tgt Ion: 83 Resp: 202571

Ion Ratio Lower Upper

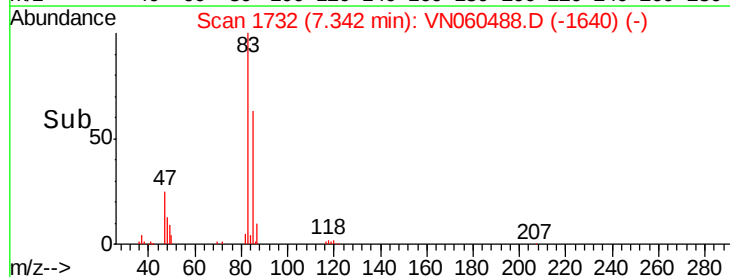
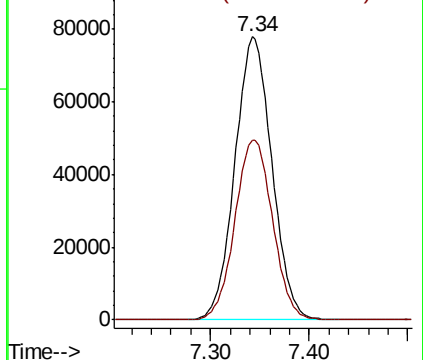
83 100

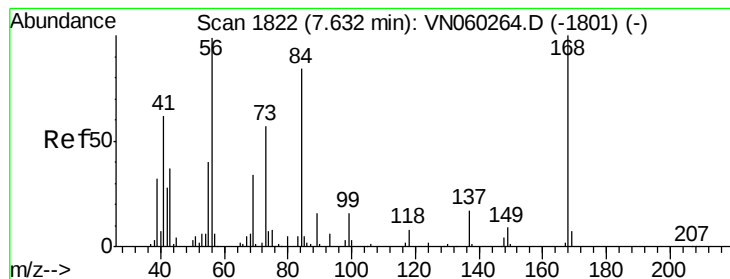
85 63.4 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060264.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN060264.D (-1712) (-)





#31

Cyclohexane

Concen: 48.110 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampled :

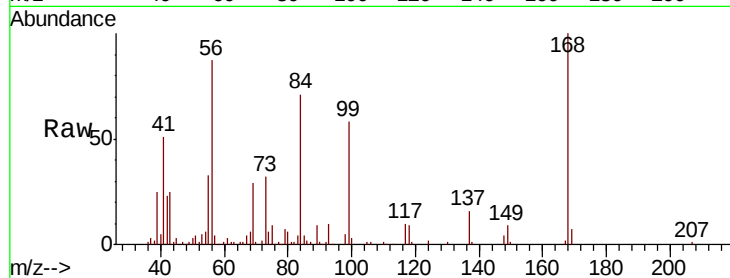
Tot Ion: 56 Resp: 167667

Ion Ratio Lower Upper

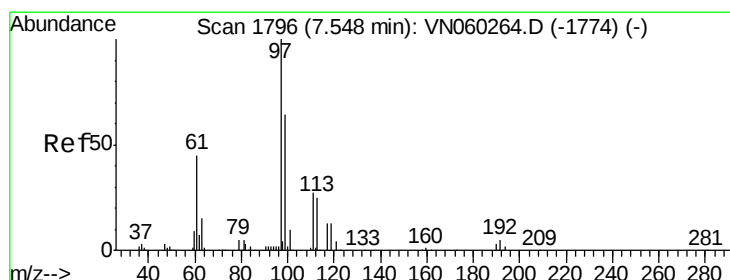
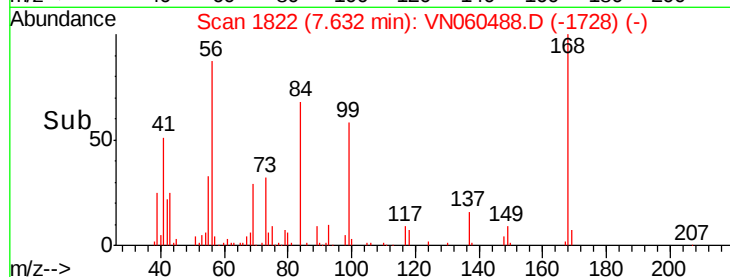
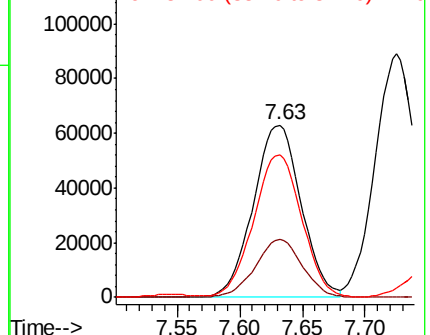
56 100

69 33.5 27.2 40.8

84 81.3 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.684 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

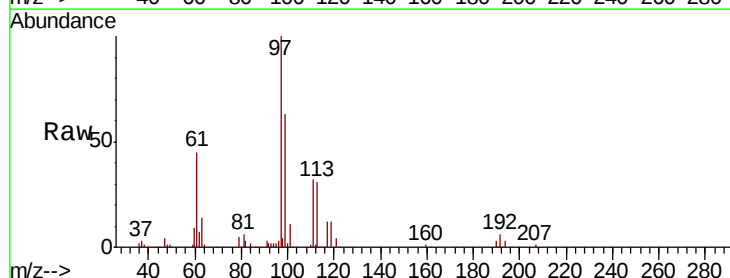
Tgt Ion: 97 Resp: 175177

Ion Ratio Lower Upper

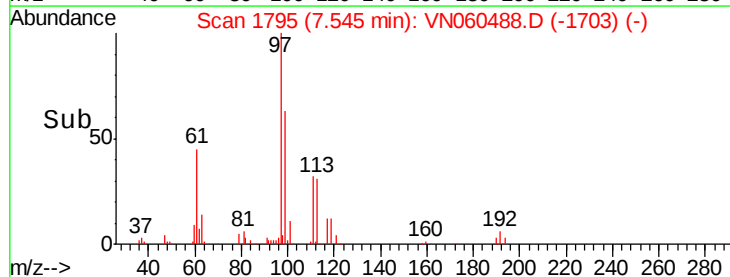
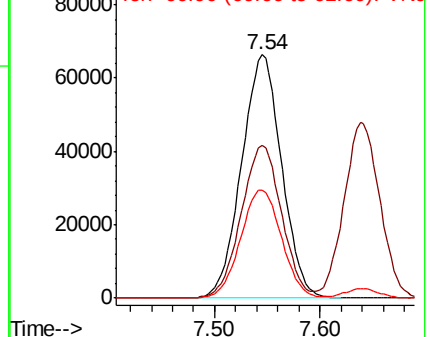
97 100

99 63.6 51.4 77.0

61 45.5 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.676 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

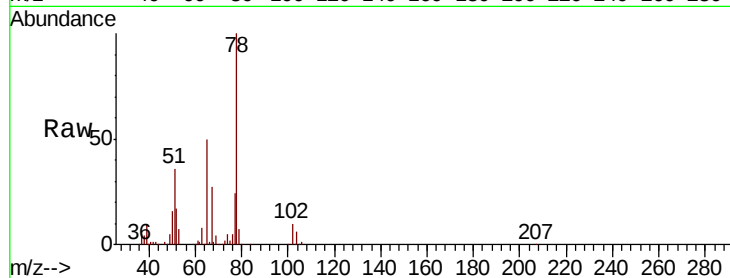
ClientSampled :

Tot Ion: 65 Resp: 125442

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060264.D (-1920) (-)

8.00

60000

50000

40000

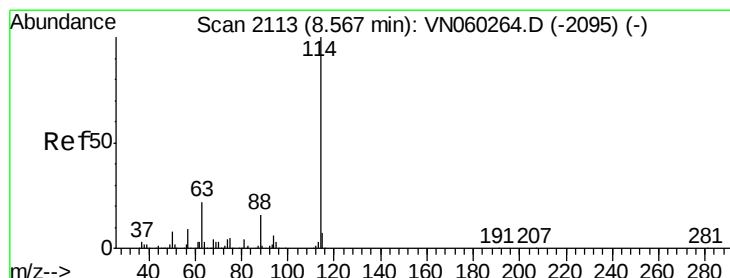
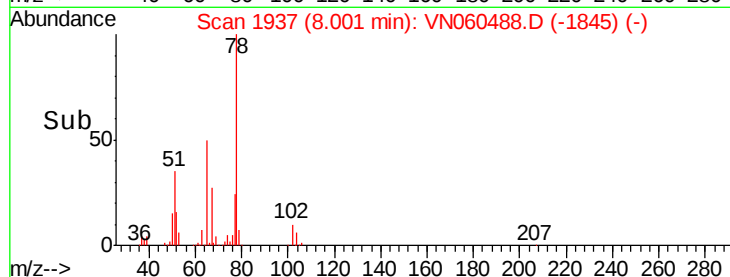
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

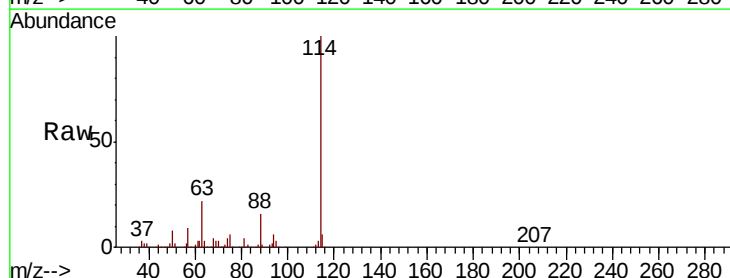
Tgt Ion: 114 Resp: 327412

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 16.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060264.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060264.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060264.D (-2095) (-)

8.56

200000

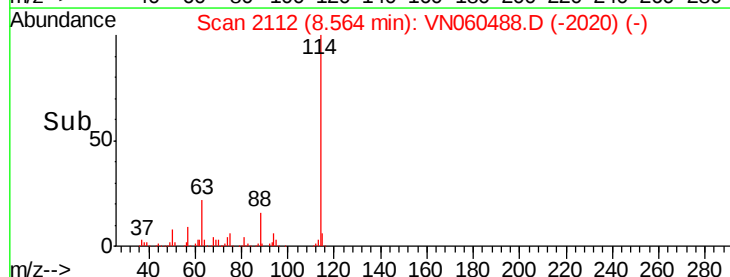
150000

100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 62.077 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampled :

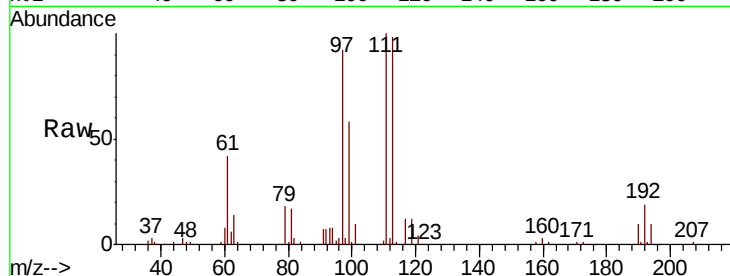
Tot Ion:113 Resp: 94341

Ion Ratio Lower Upper

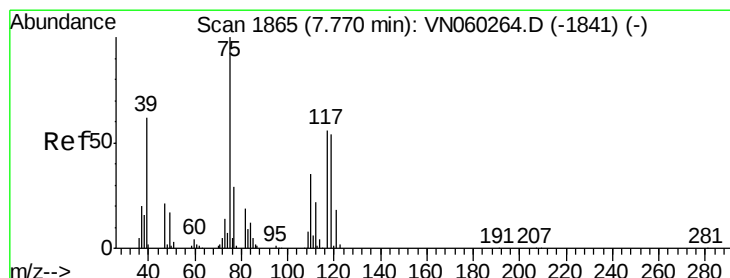
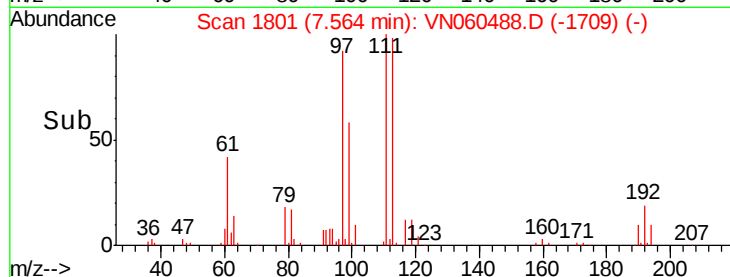
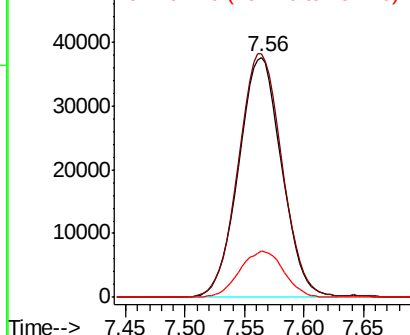
113 100

111 102.9 82.4 123.6

192 19.7 16.2 24.2



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: 46.783 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

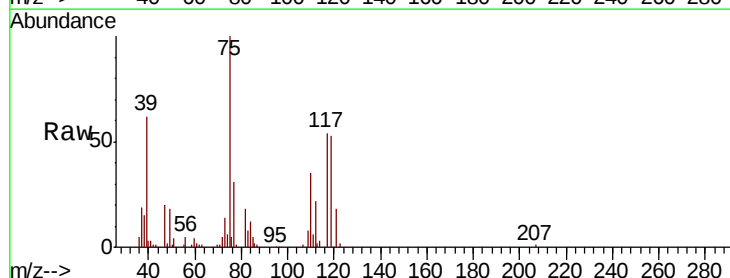
Tgt Ion: 75 Resp: 145981

Ion Ratio Lower Upper

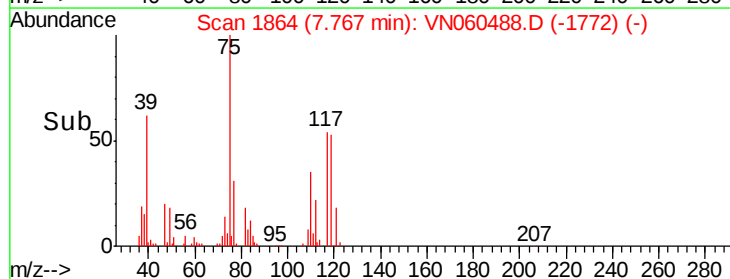
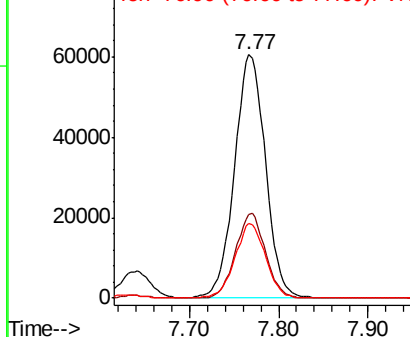
75 100

110 33.6 17.3 52.0

77 30.3 24.2 36.2



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

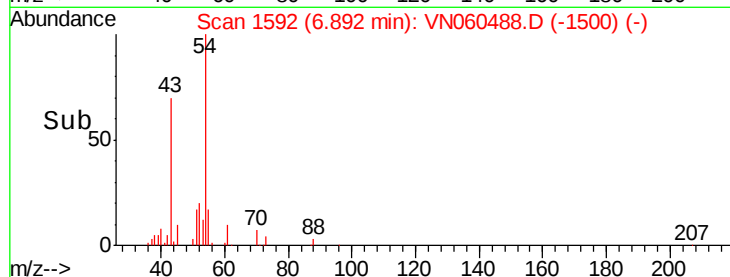
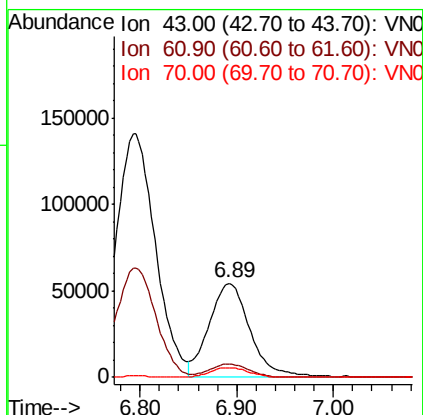
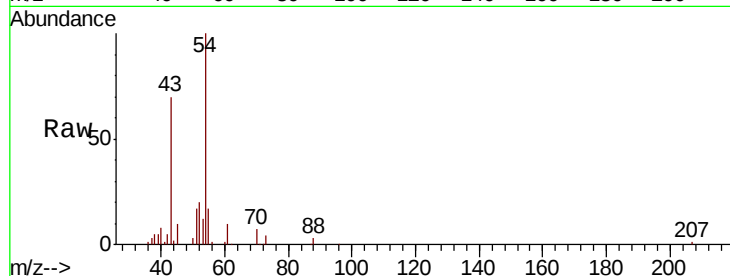




#37
Ethyl Acetate
Concen: 53.268 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

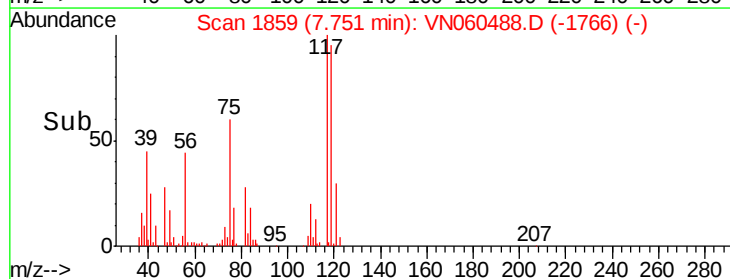
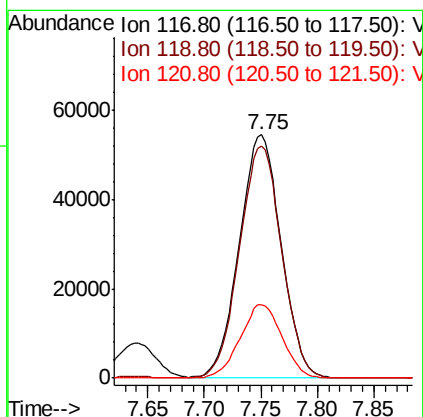
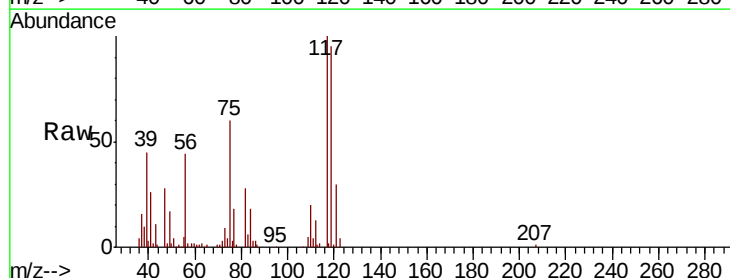
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 157386
Ion Ratio Lower Upper
43 100
61 13.4 11.1 16.7
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.162 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 117 Resp: 140245
Ion Ratio Lower Upper
117 100
119 95.4 76.7 115.1
121 30.4 24.5 36.7

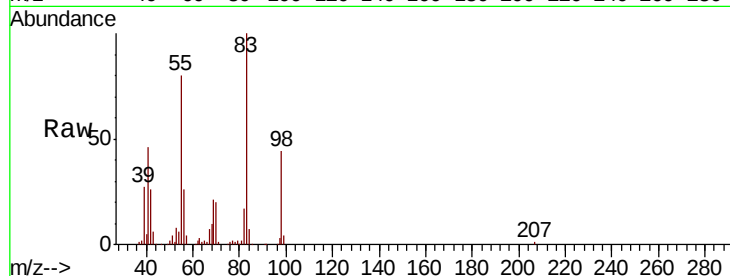




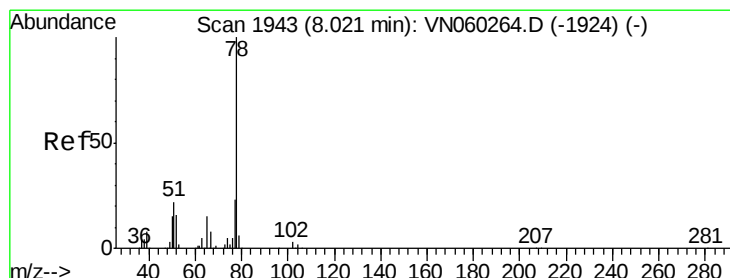
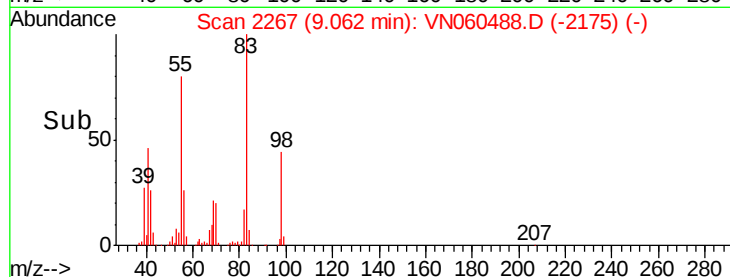
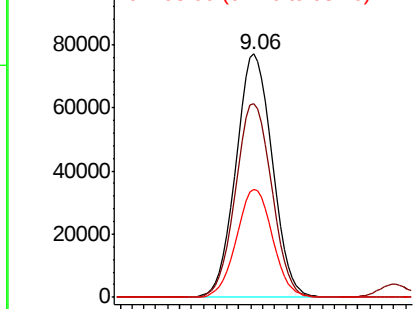
#39
Methvlcvclohexane
Concen: 44.346 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 163153
Ion Ratio Lower Upper
83 100
55 79.8 61.0 91.4
98 44.3 36.1 54.1

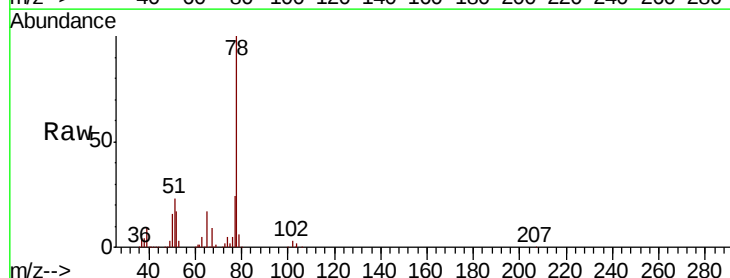


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

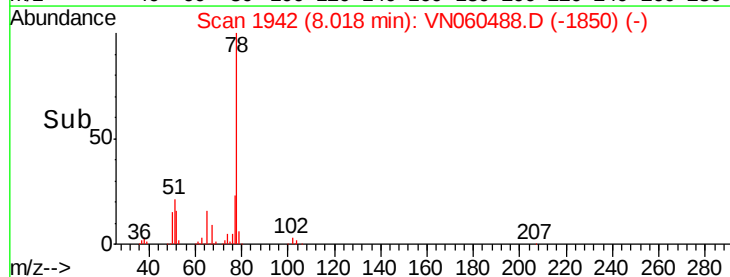
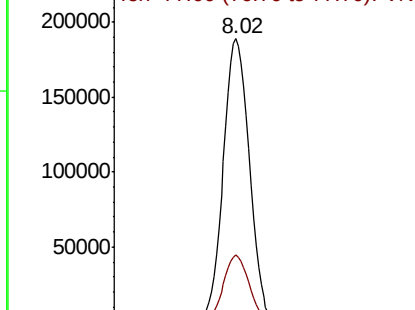


#40
Benzene
Concen: 48.838 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 78 Resp: 443555
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

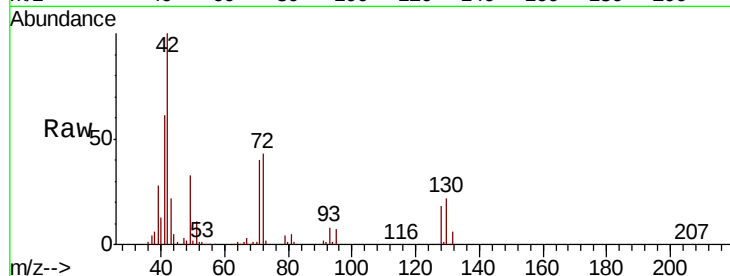




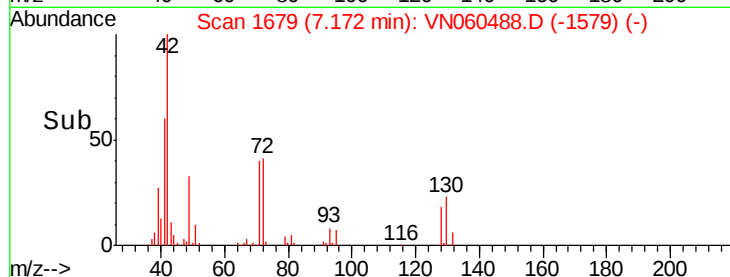
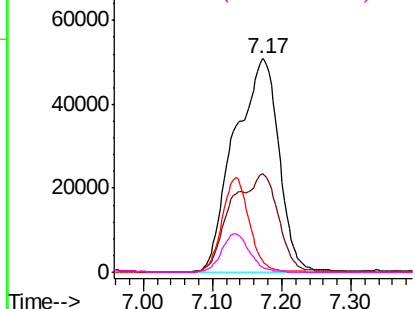
#41
Methacrylonitrile
Concen: 166.660 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	227368
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

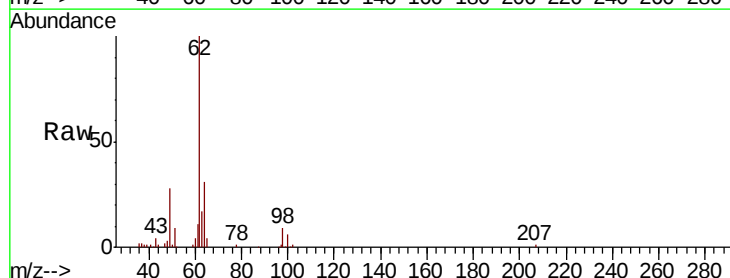


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

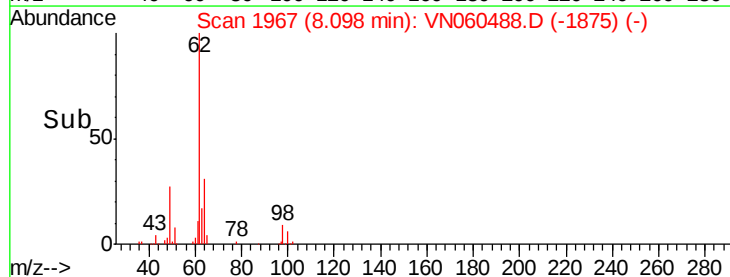
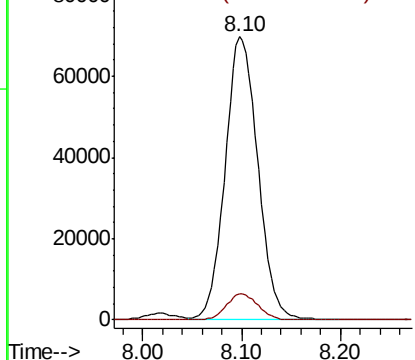


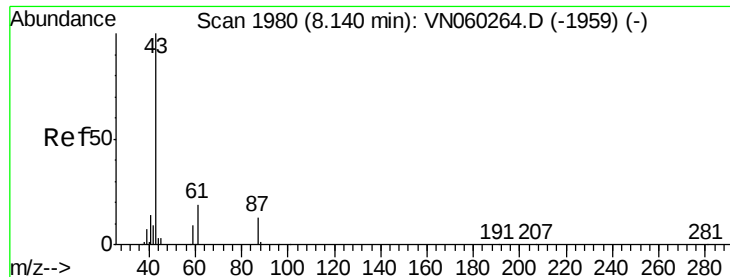
#42
1,2-Dichloroethane
Concen: 49.341 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion:	62	Resp:	161709
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 53.120 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

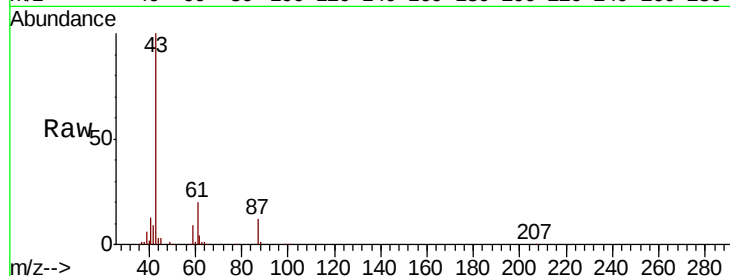
Tot Ion: 43 Resp: 274770

Ion Ratio Lower Upper

43 100

61 25.6 20.9 31.3

87 12.3 10.6 16.0

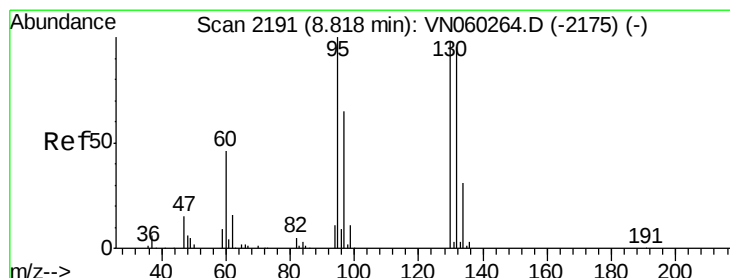
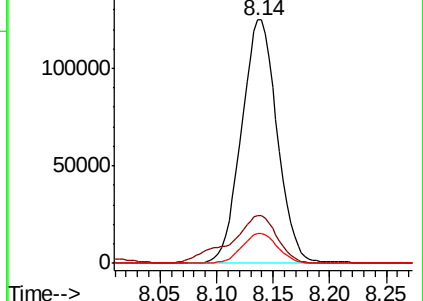
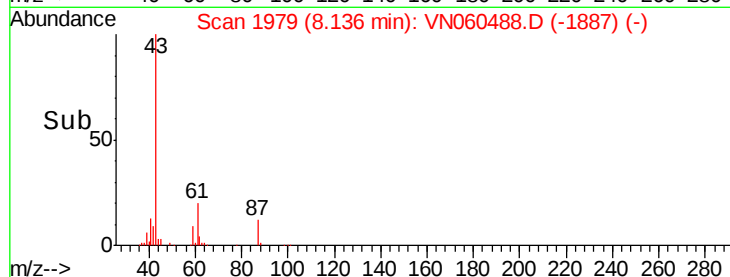


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)

Time-->



#44

Trichloroethene

Concen: 45.962 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060488.D

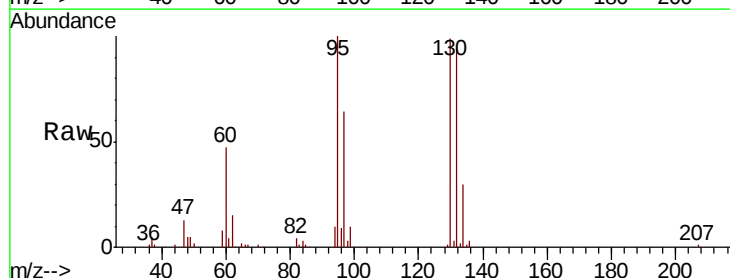
Acq: 13 Mar 2020 9:06

Tgt Ion: 130 Resp: 116258

Ion Ratio Lower Upper

130 100

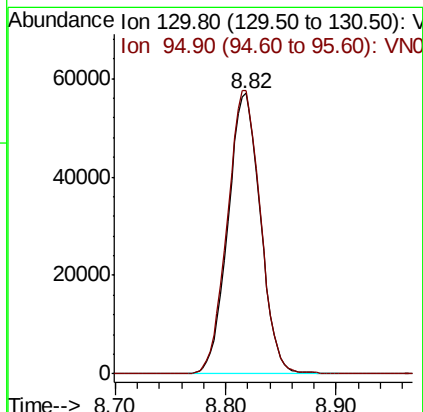
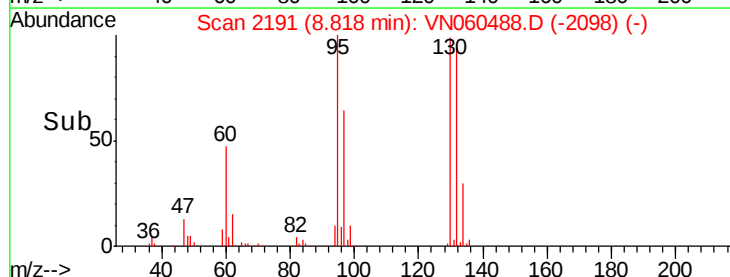
95 100.9 0.0 203.4

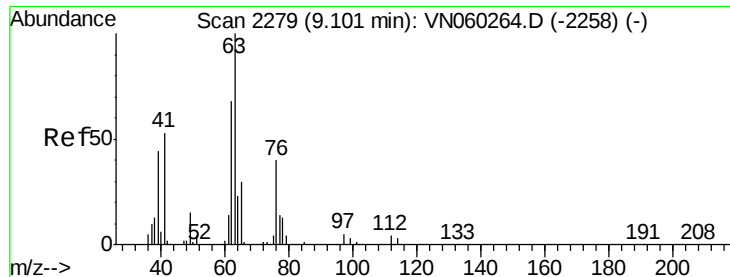


Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)

Time-->

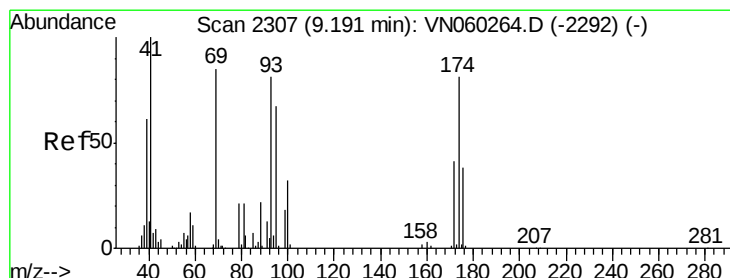
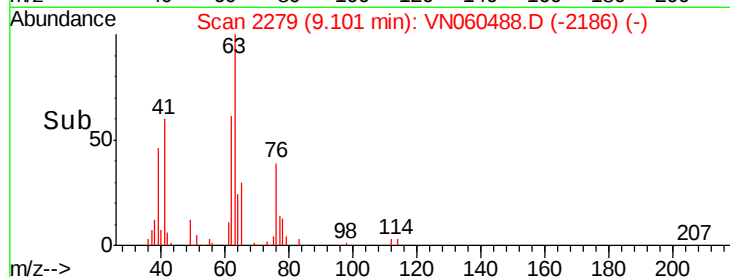
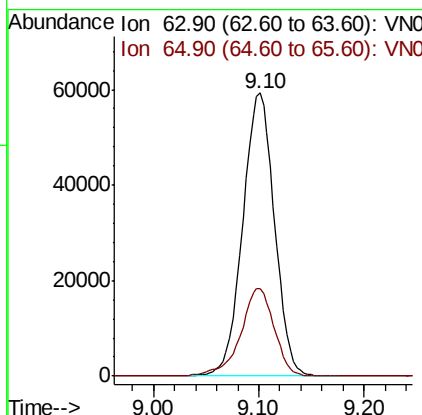
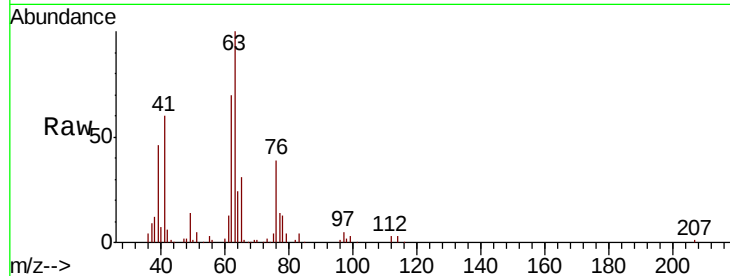




#45
 1,2-Dichloropropane
 Concen: 52.250 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

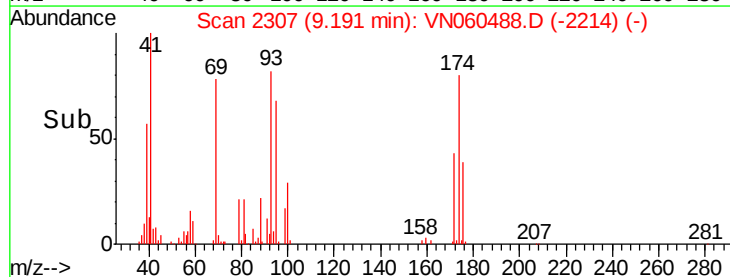
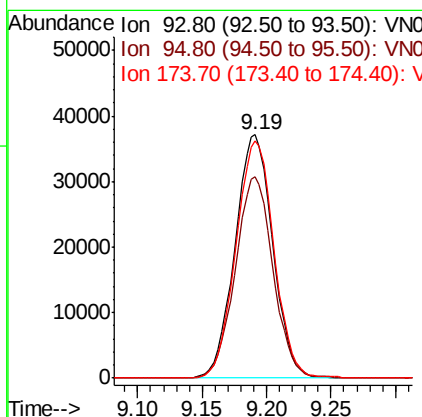
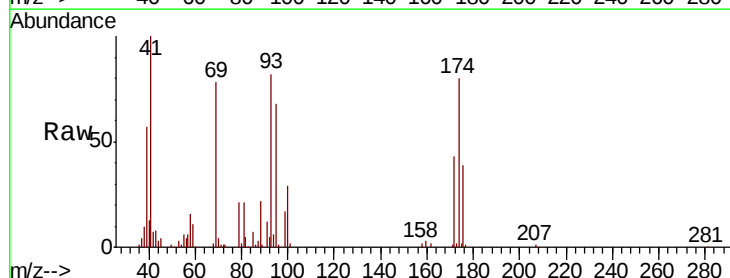
Instrument :
 MSVOA_N
 ClientSampleId :

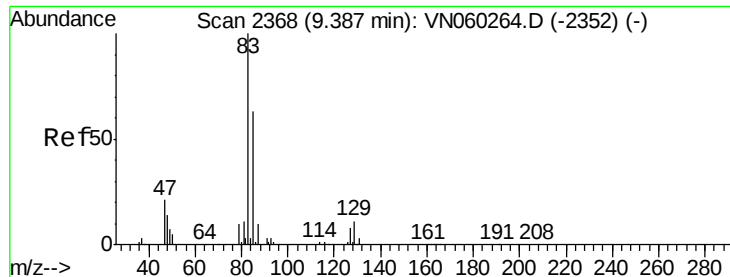
Tot Ion: 63 Resp: 124069
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6



#46
 Dibromomethane
 Concen: 49.087 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion: 93 Resp: 75631
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.9 98.9
 174 98.3 79.6 119.4





#47

Bromodichloromethane

Concen: 52.028 ug/l

RT: 9.38 min Scan# 2367

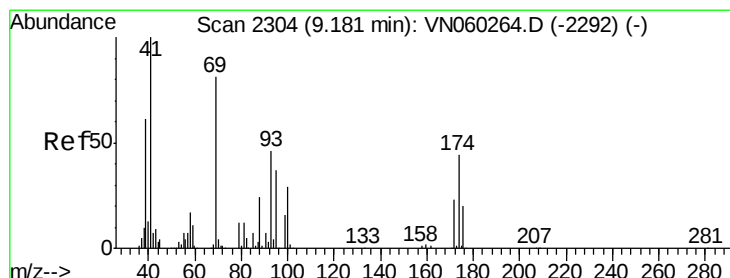
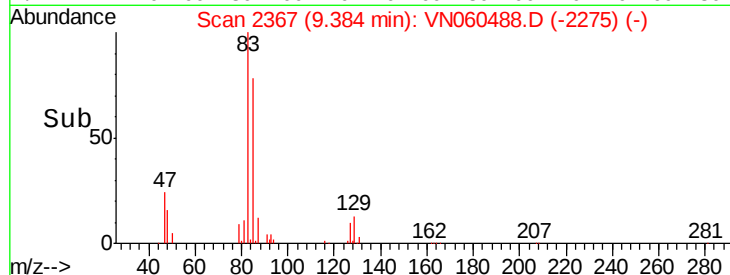
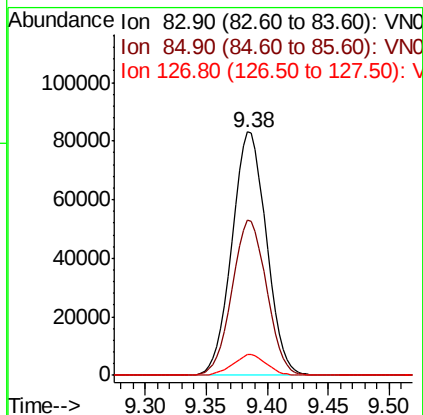
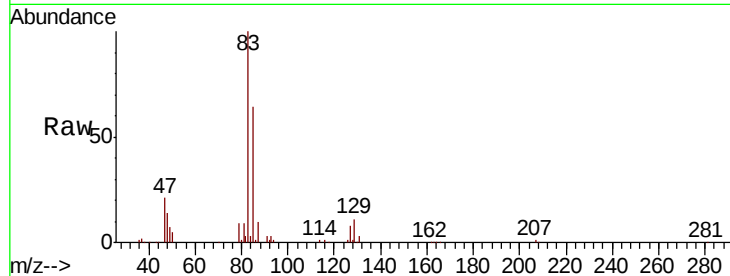
Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	83	Resp:	163037
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1
127	8.4	6.8	10.2



#48

Methyl methacrylate

Concen: 51.473 ug/l

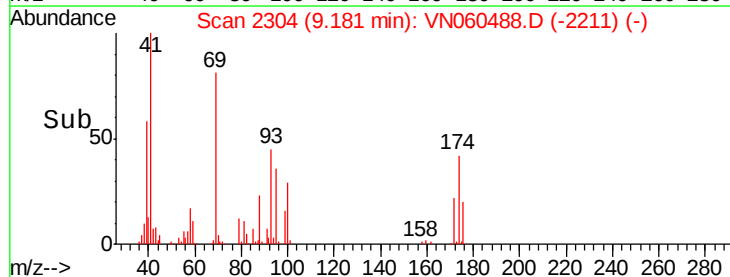
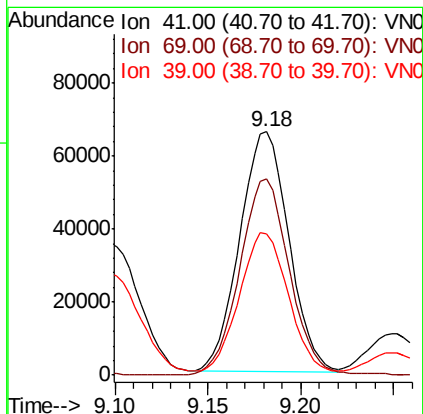
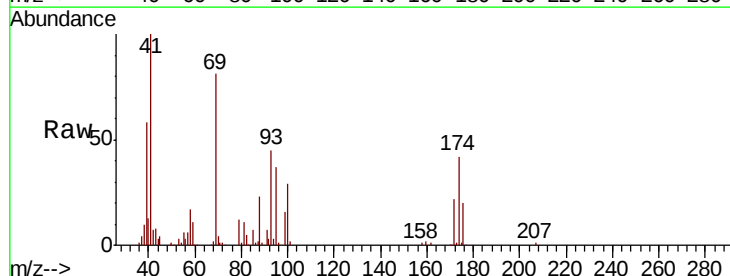
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion:	41	Resp:	121412
Ion	Ratio	Lower	Upper
41	100		
69	82.5	66.7	100.1
39	60.1	50.1	75.1

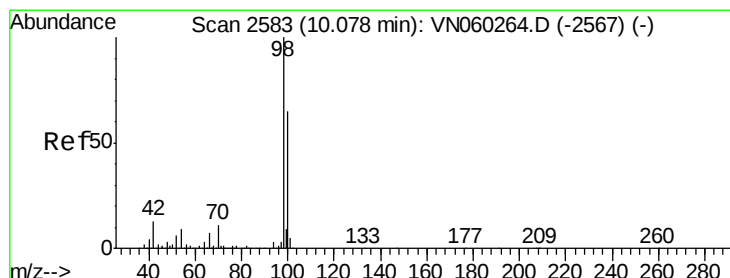
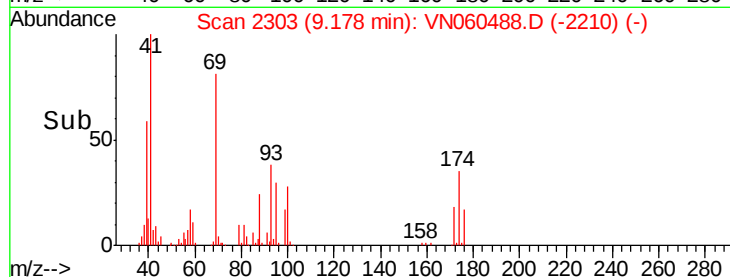
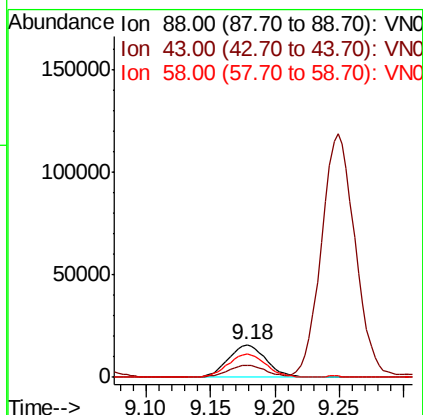
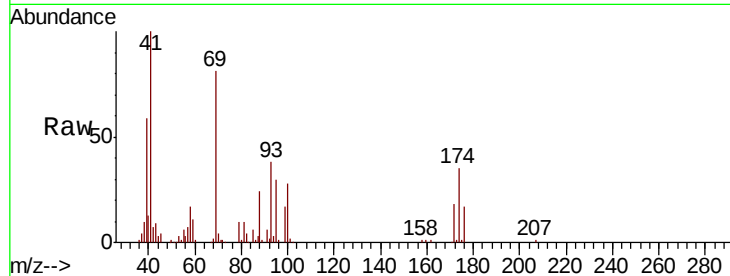




#49
 1,4-Dioxane
 Concen: 976.648 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

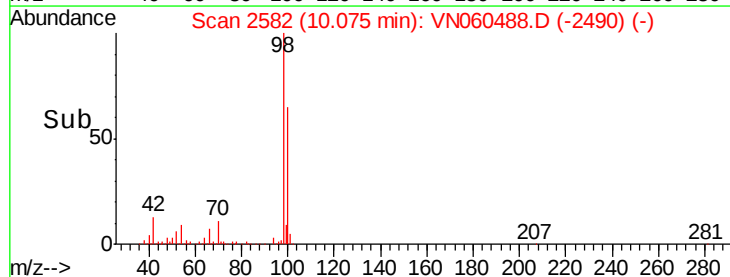
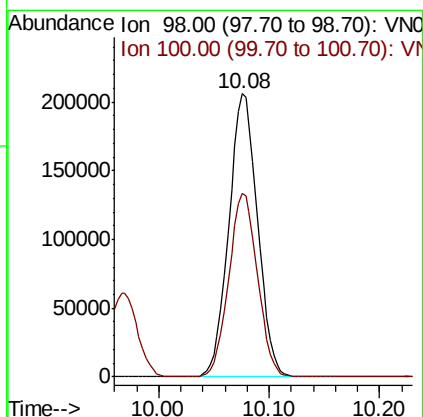
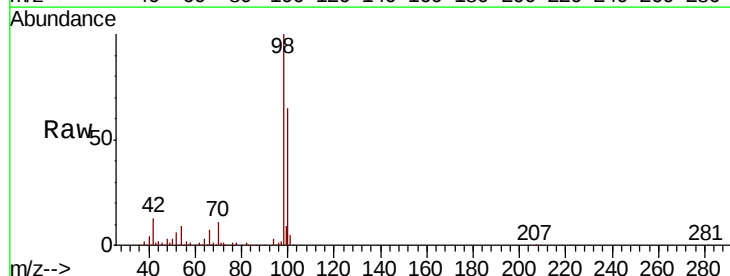
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 32396
 Ion Ratio Lower Upper
 88 100
 43 36.5 30.4 45.6
 58 71.9 57.0 85.6



#50
 Toluene-d8
 Concen: 48.223 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion: 98 Resp: 370914
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 273.179 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

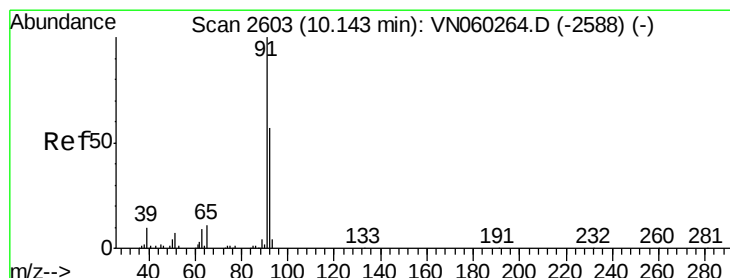
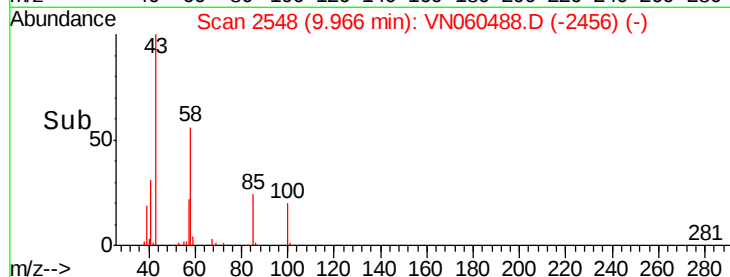
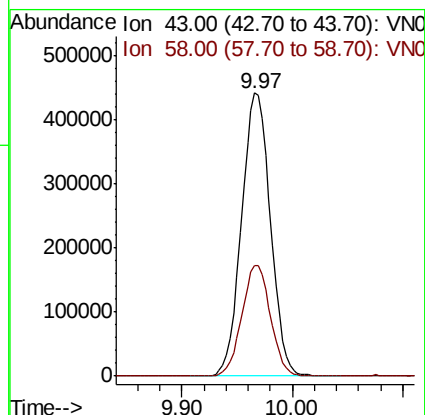
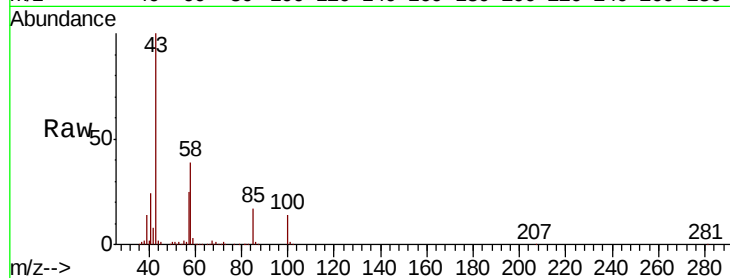
ClientSampled :

Tot Ion: 43 Resp: 801167

Ion Ratio Lower Upper

43 100

58 38.7 30.9 46.3



#52

Toluene

Concen: 48.087 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060488.D

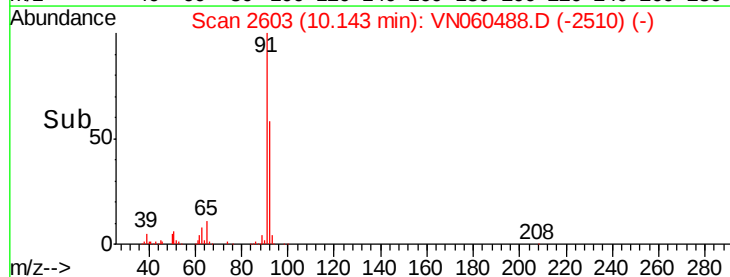
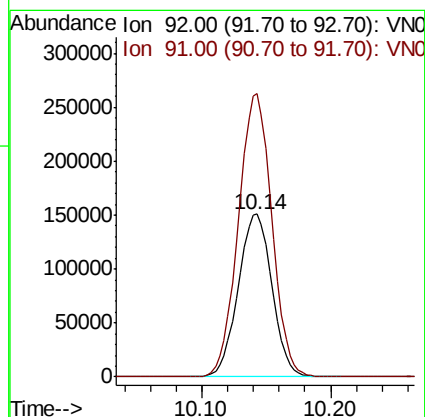
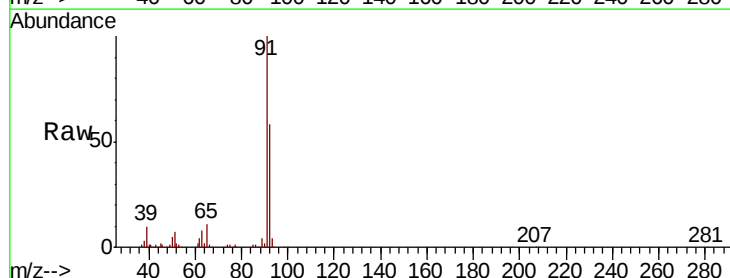
Acq: 13 Mar 2020 9:06

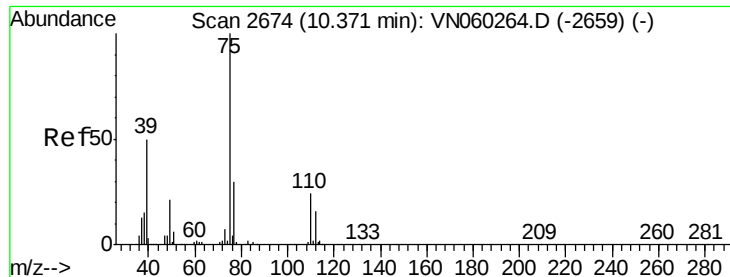
Tgt Ion: 92 Resp: 274339

Ion Ratio Lower Upper

92 100

91 173.0 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 49.386 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

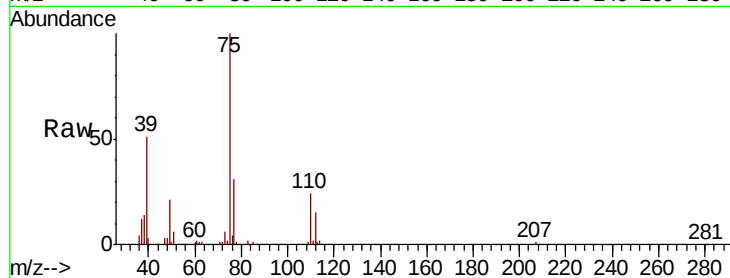
ClientSampled :

Tot Ion: 75 Resp: 189630

Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN060488.D (-2581) (-)

Ion 76.90 (76.60 to 77.60): VN060488.D (-2581) (-)

10.37

120000

100000

80000

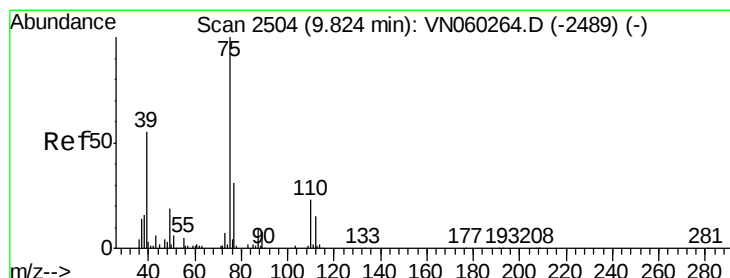
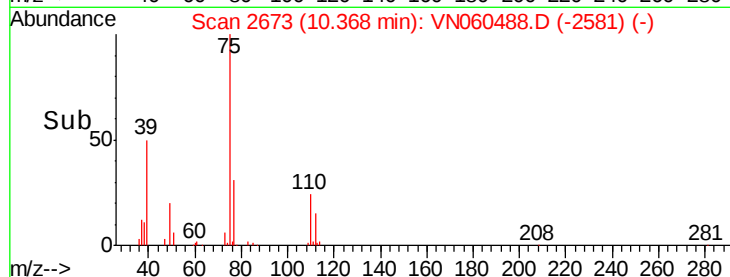
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.115 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

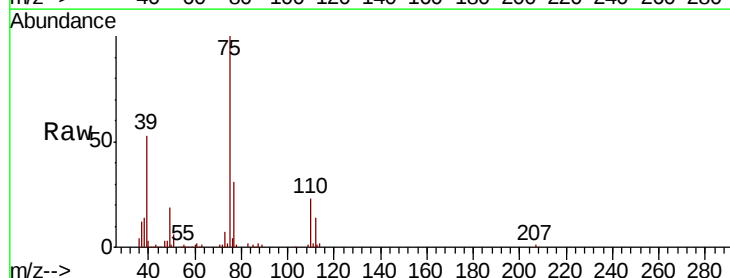
Tgt Ion: 75 Resp: 199396

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 52.9 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN060488.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060488.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060488.D (-2411) (-)

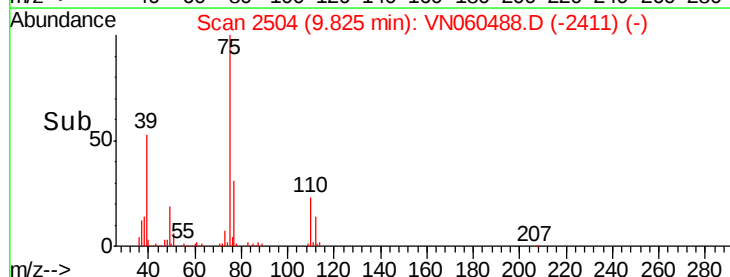
9.82

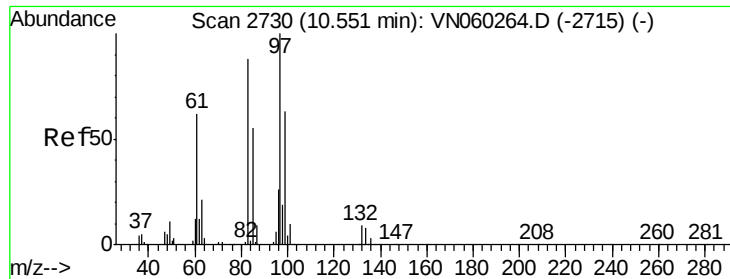
100000

50000

0

Time-->

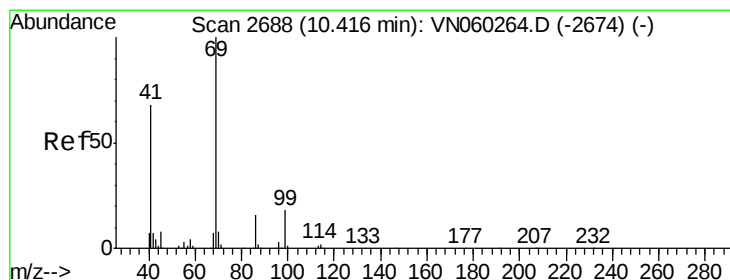
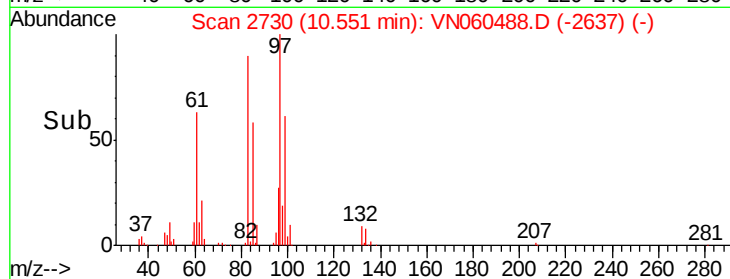
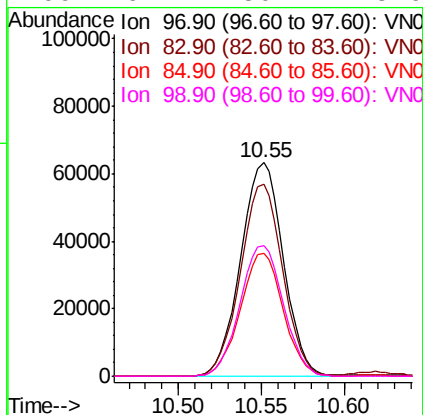
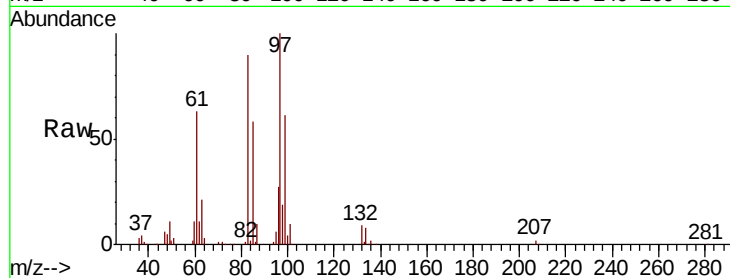




#55
 1,1,2-Trichloroethane
 Concen: 49.392 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

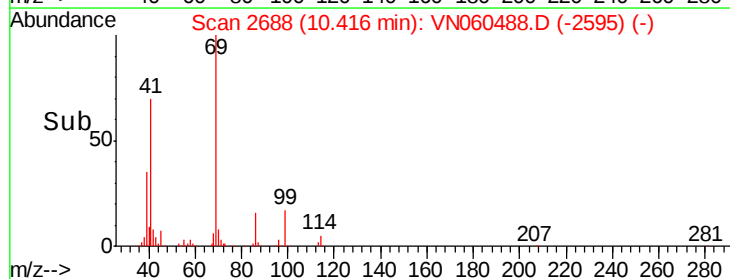
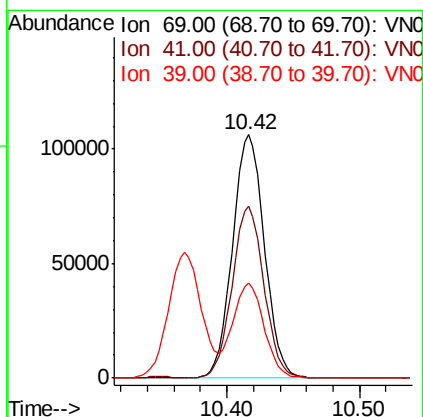
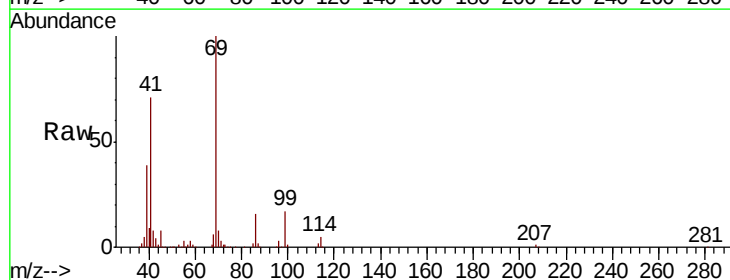
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	113318
Ion	Ratio	Lower	Upper
97	100		
83	90.1	70.0	105.0
85	57.8	44.0	66.0
99	61.4	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 53.901 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion:	69	Resp:	177660
Ion	Ratio	Lower	Upper
69	100		
41	69.7	54.1	81.1
39	38.4	32.5	48.7





#57

1,3-Dichloropropane

Concen: 52.044 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

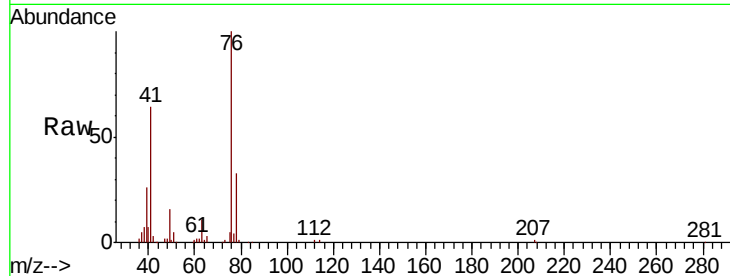
ClientSampleId :

Tot Ion: 76 Resp: 194722

Ion Ratio Lower Upper

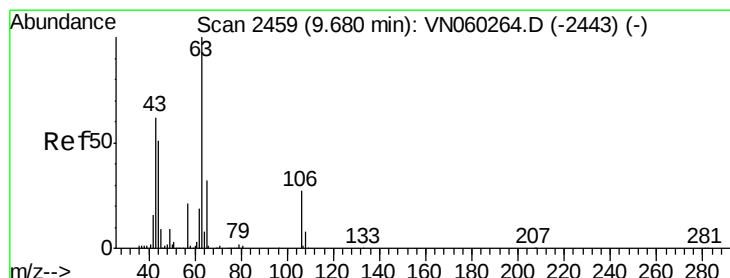
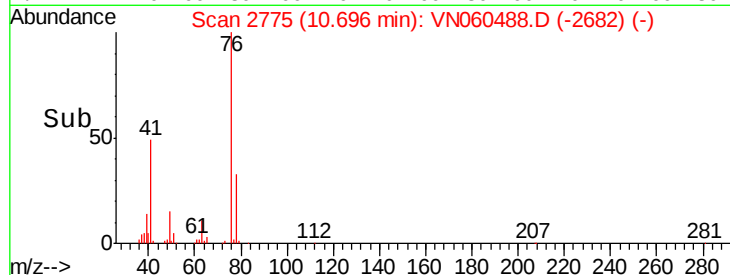
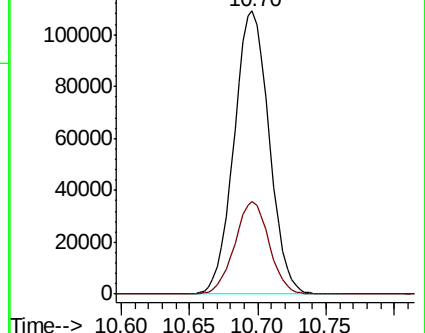
76 100

78 32.2 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060488.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060488.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 266.430 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060488.D

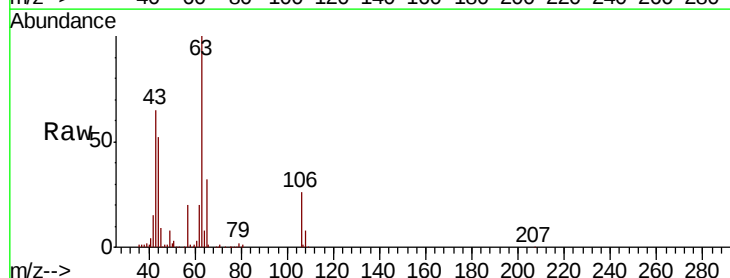
Acq: 13 Mar 2020 9:06

Tgt Ion: 63 Resp: 459285

Ion Ratio Lower Upper

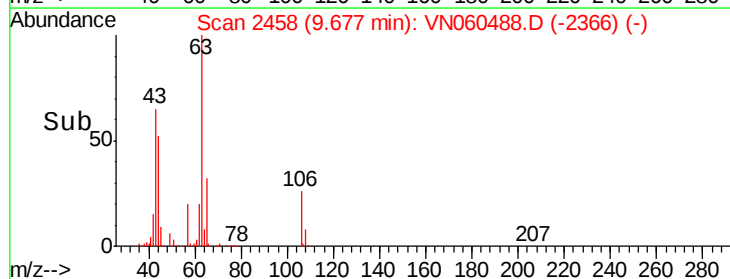
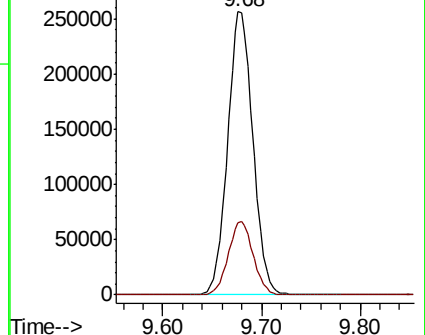
63 100

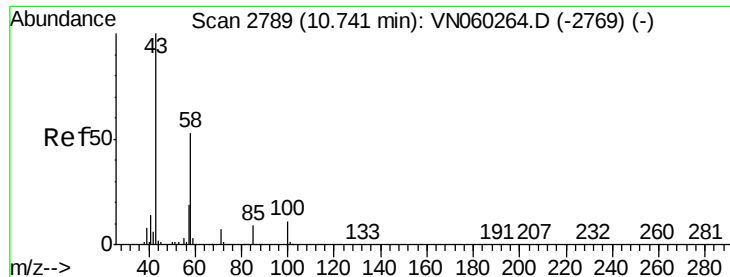
106 25.5 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060488.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060488.D (-2366) (-)

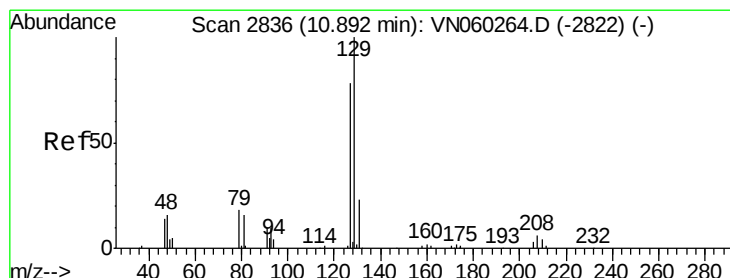
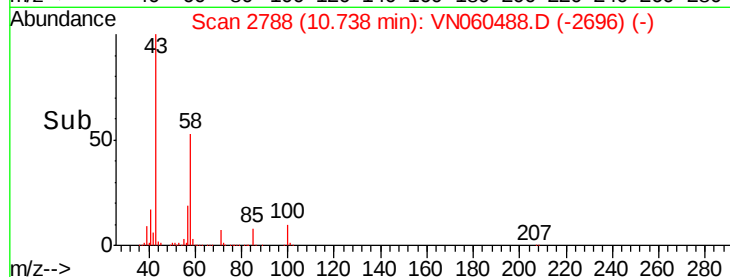
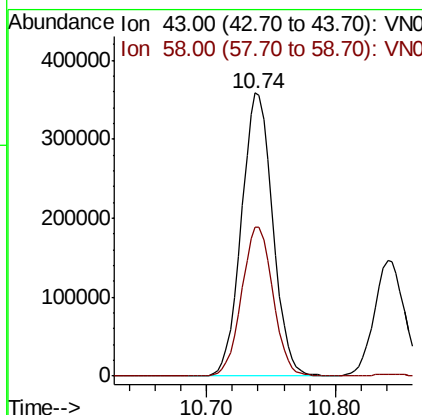
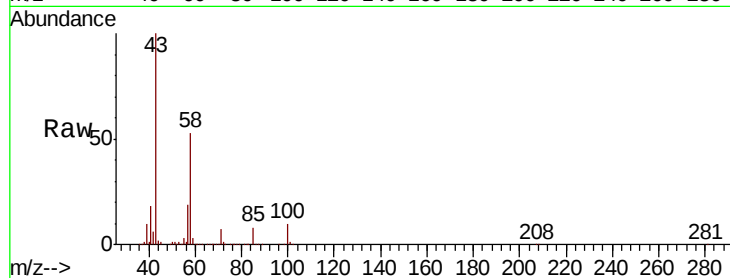




#59
2-Hexanone
Concen: 281.128 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

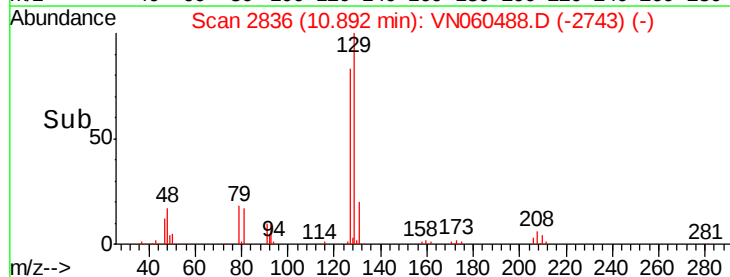
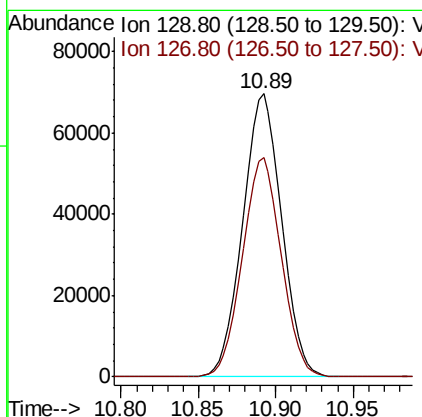
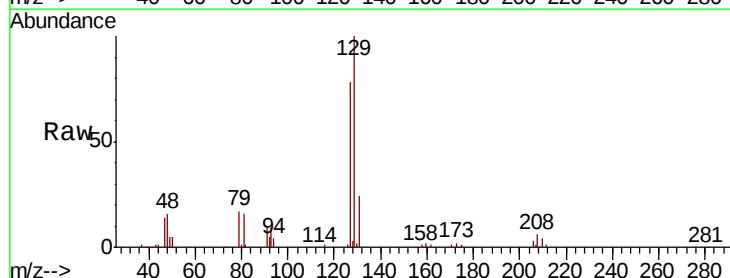
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 605355
Ion Ratio Lower Upper
43 100
58 52.7 26.5 79.5



#60
Dibromochloromethane
Concen: 52.403 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 129 Resp: 122265
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7

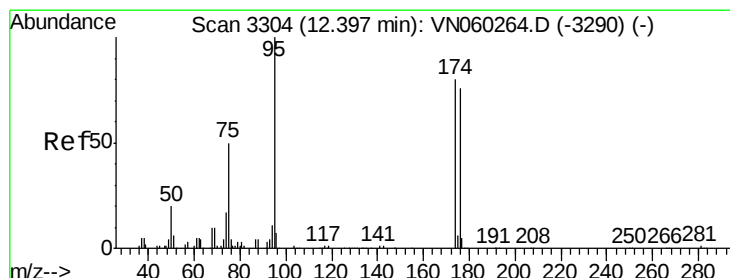
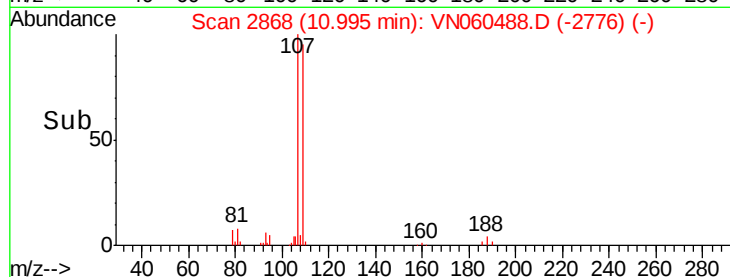
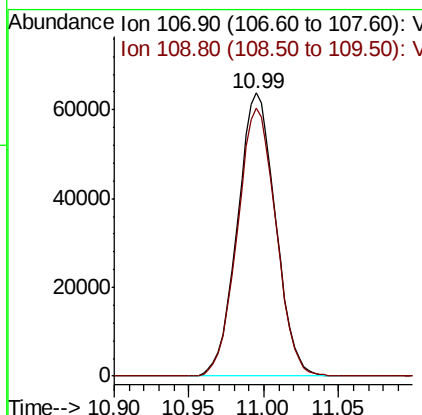
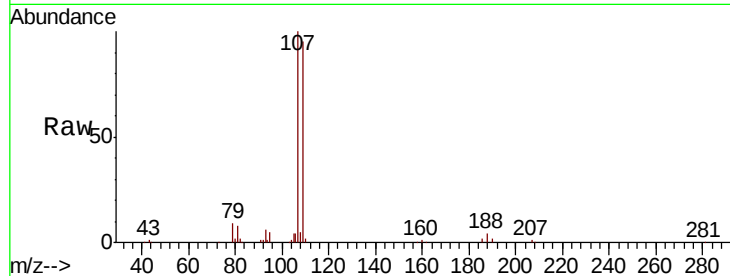




#61
 1,2-Dibromoethane
 Concen: 50.481 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

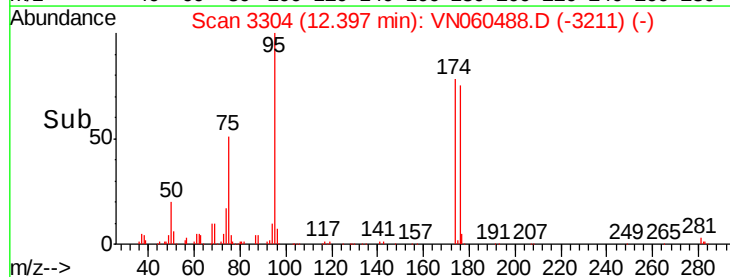
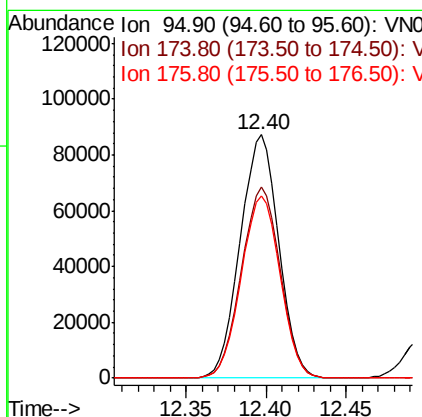
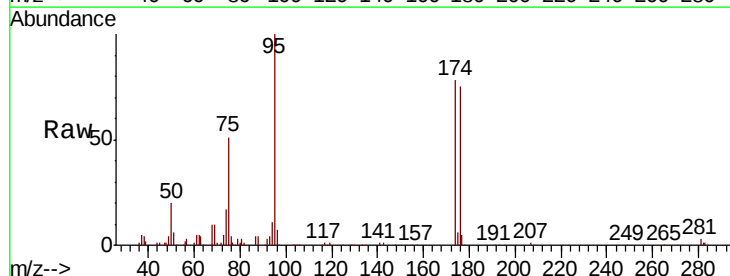
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 112901
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 49.174 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion: 95 Resp: 143375
 Ion Ratio Lower Upper
 95 100
 174 79.2 0.0 159.2
 176 75.9 0.0 153.8

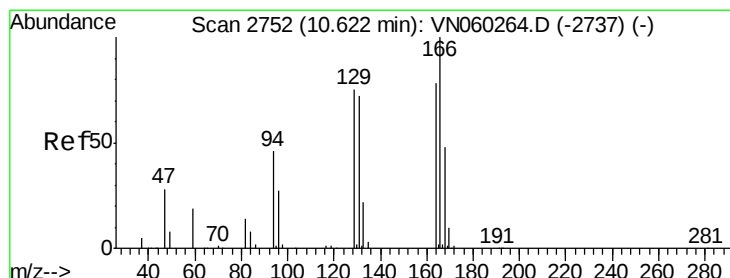
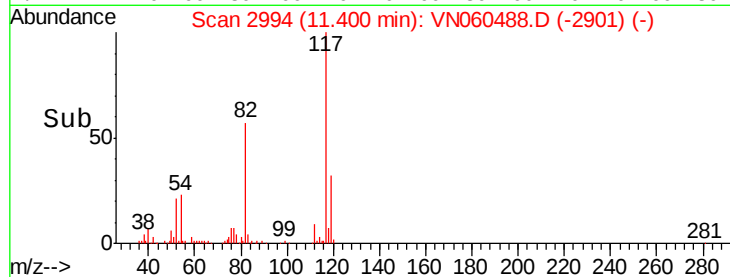
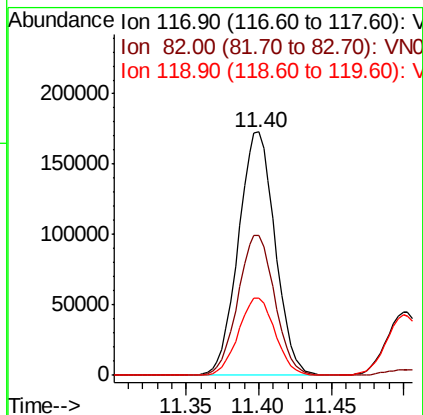
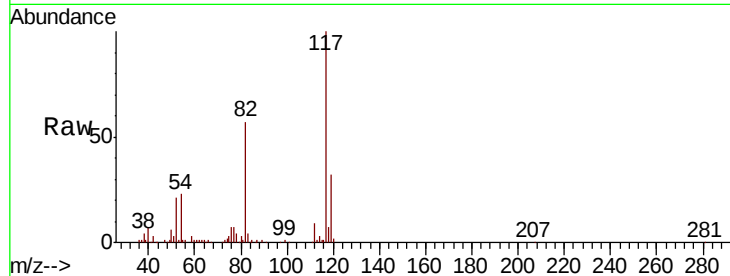




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

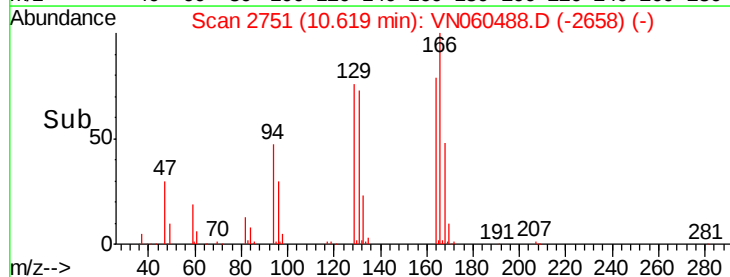
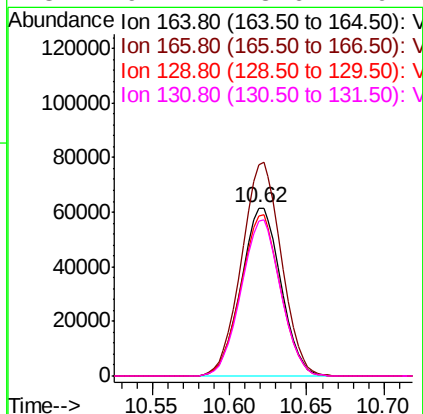
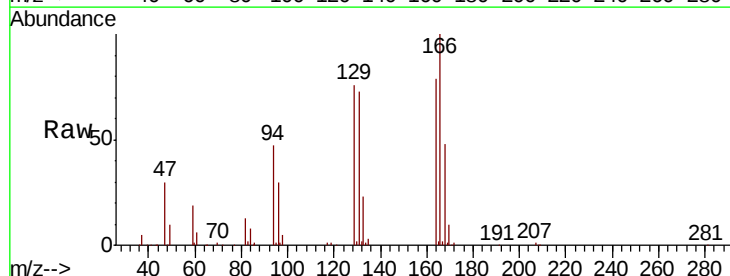
Instrument :
MSVOA_N
ClientSampled :

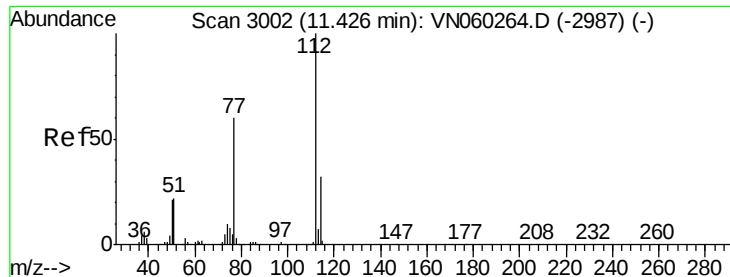
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.6
119	31.7	25.8	38.8



#64
Tetrachloroethene
Concen: 46.015 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.0	153.0
129	95.7	76.4	114.6
131	92.4	73.6	110.4

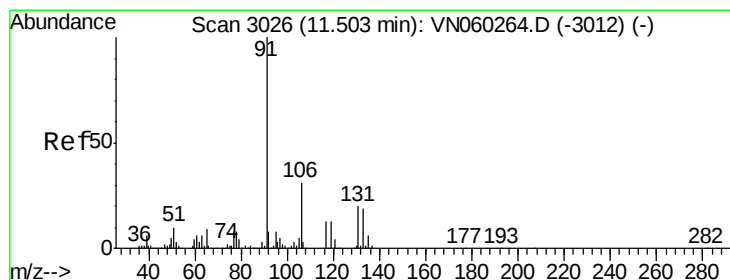
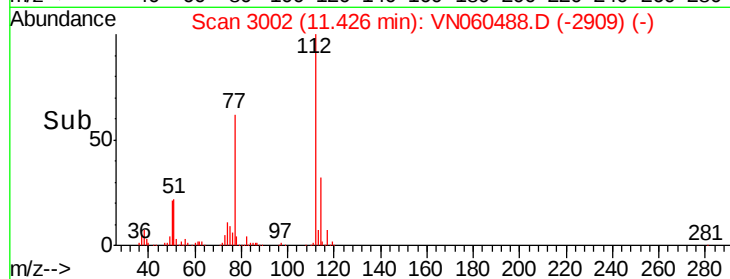
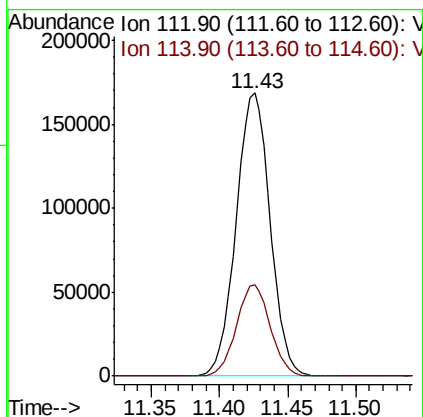
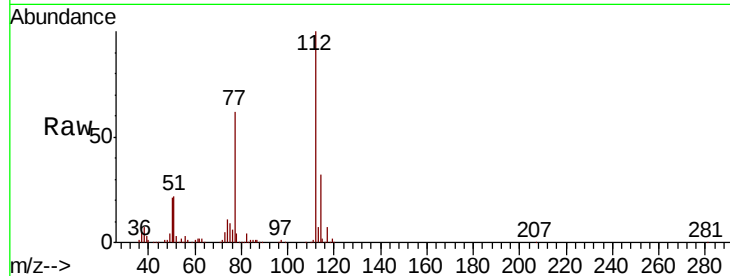




#65
Chlorobenzene
Concen: 47.493 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

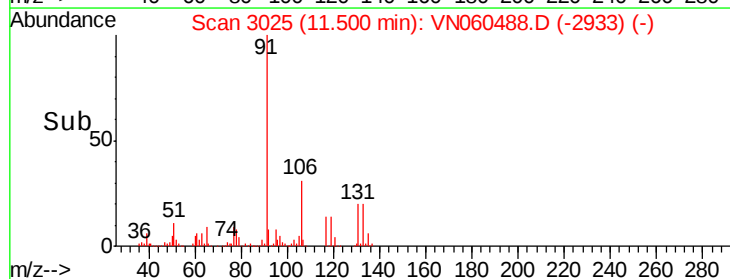
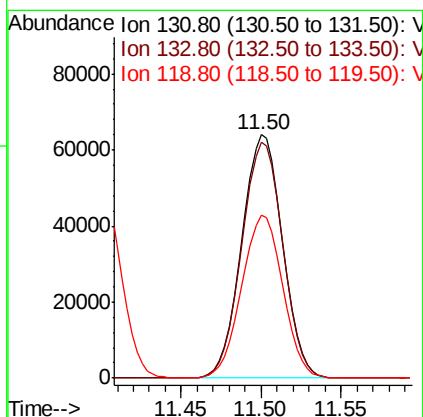
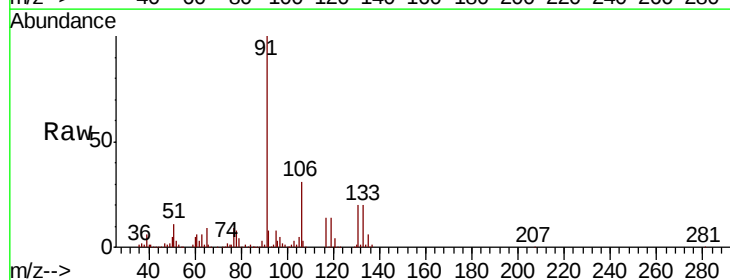
Instrument :
MSVOA_N
ClientSampleId :

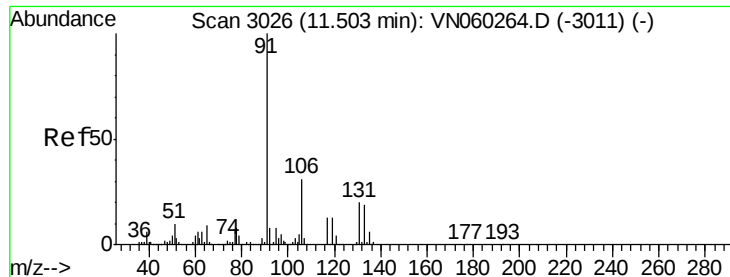
Tot Ion:112 Resp: 291568
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.108 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion:131 Resp: 111472
Ion Ratio Lower Upper
131 100
133 97.5 47.7 143.1
119 67.5 33.2 99.6





#67

Ethyl Benzene

Concen: 48.636 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

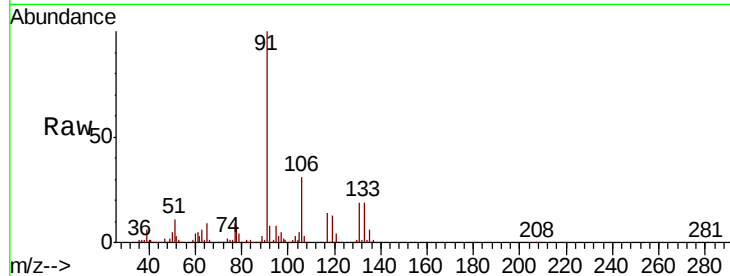
ClientSampled :

Tot Ion: 91 Resp: 543757

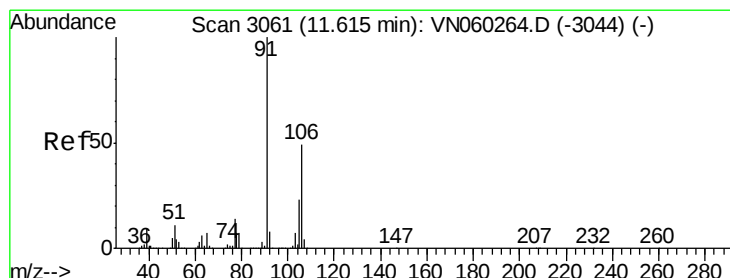
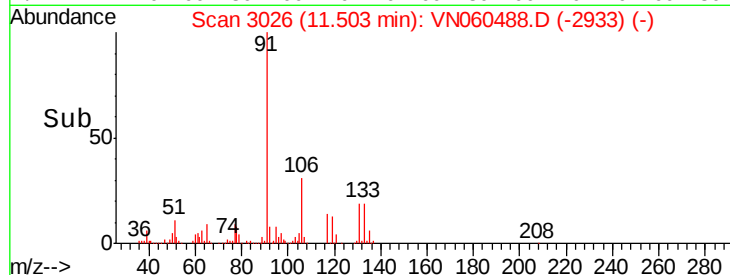
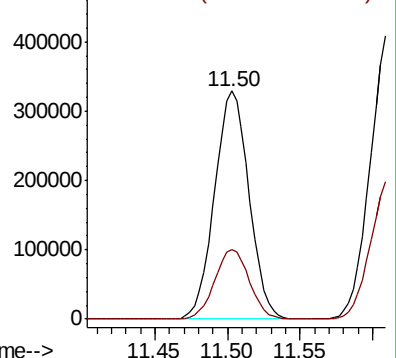
Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060488.D (-2933) (-)



#68

m/p-Xylenes

Concen: 95.759 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060488.D

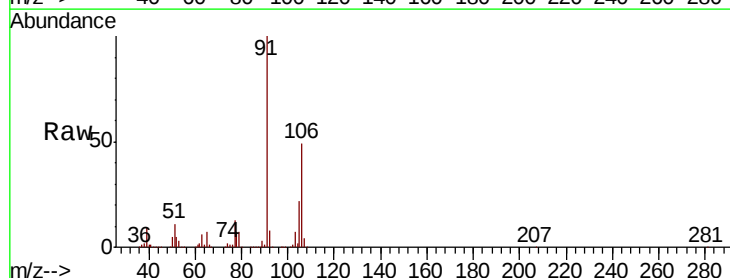
Acq: 13 Mar 2020 9:06

Tgt Ion: 106 Resp: 403925

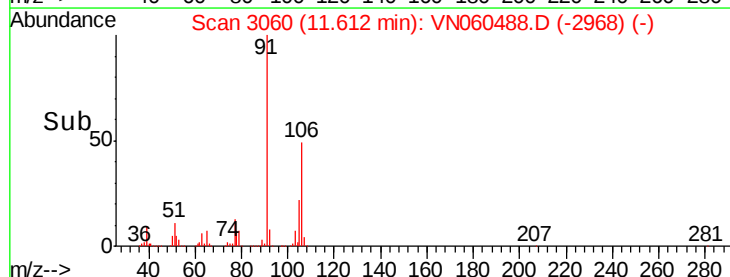
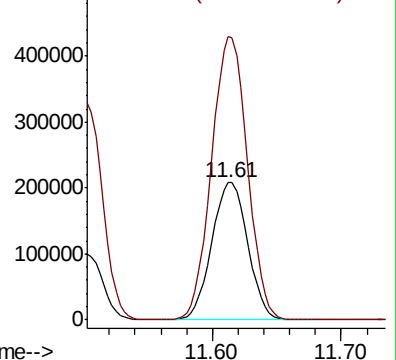
Ion Ratio Lower Upper

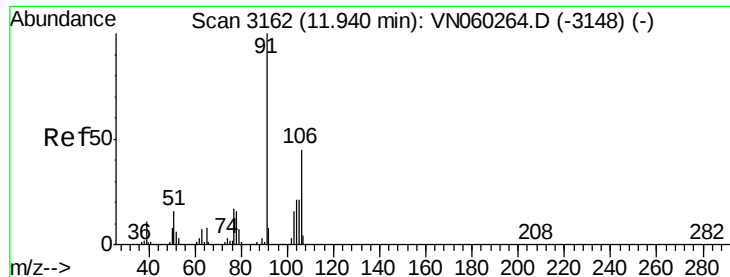
106 100

91 205.5 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060488.D (-2968) (-)

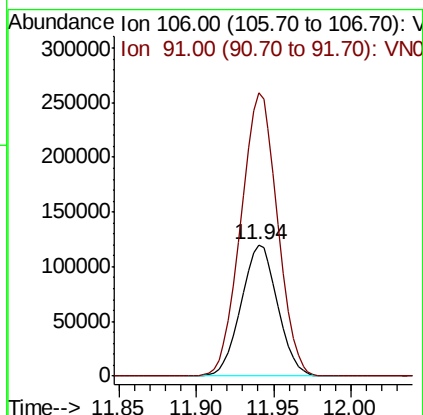
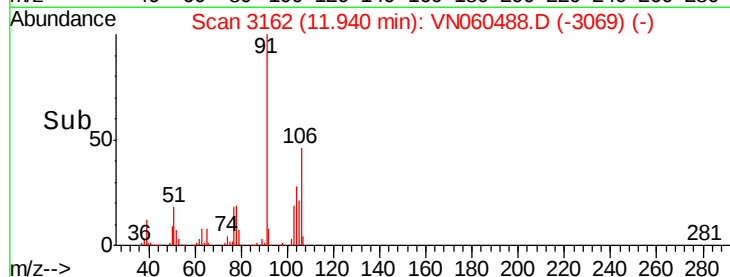
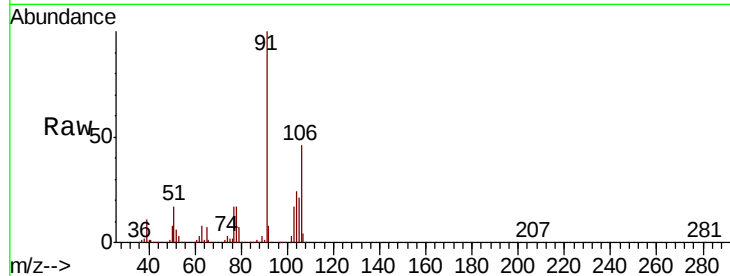




#69
o-Xylene
Concen: 48.852 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

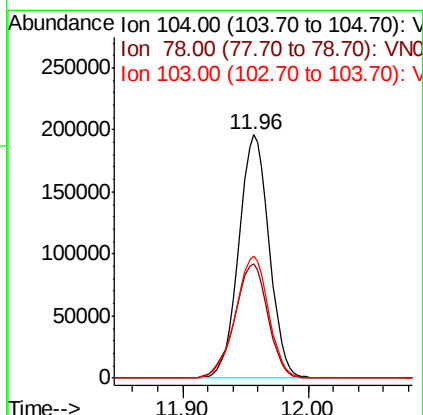
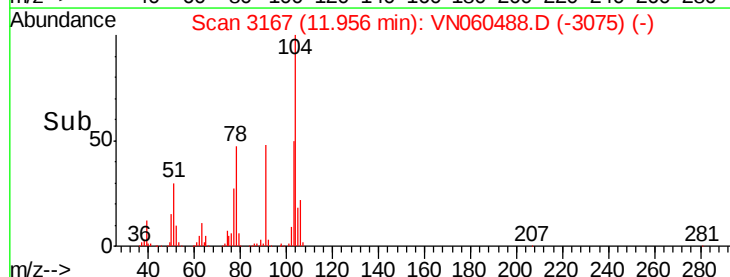
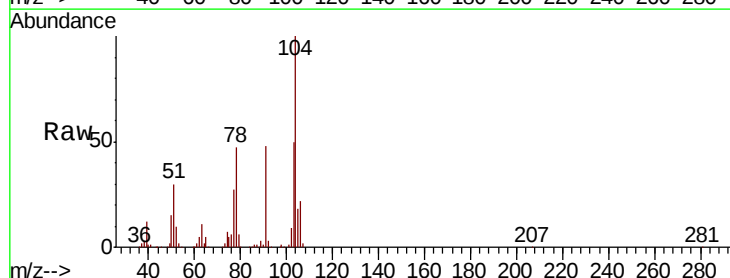
Instrument :
MSVOA_N
ClientSampled :

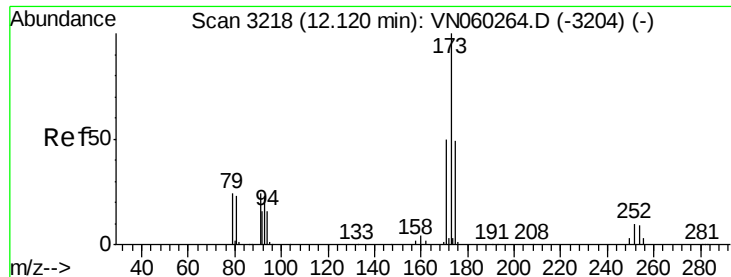
Tot Ion:106 Resp: 196501
Ion Ratio Lower Upper
106 100
91 217.4 109.5 328.4



#70
Styrene
Concen: 49.906 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion:104 Resp: 330045
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 54.5 43.9 65.9

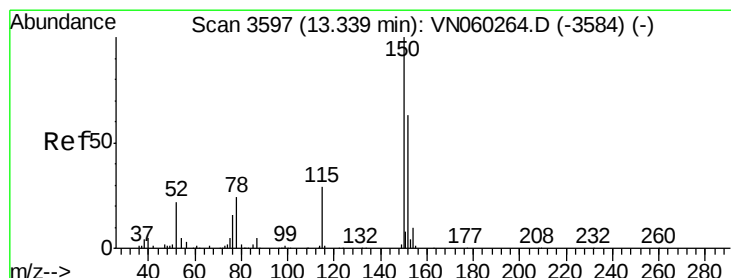
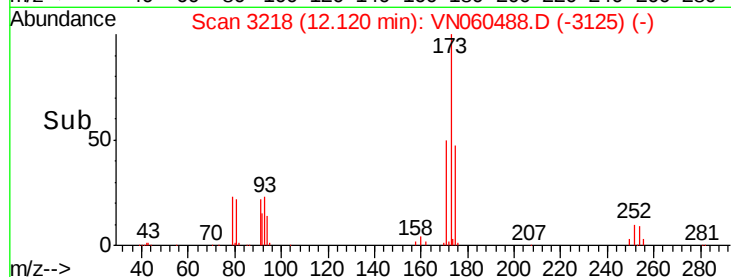
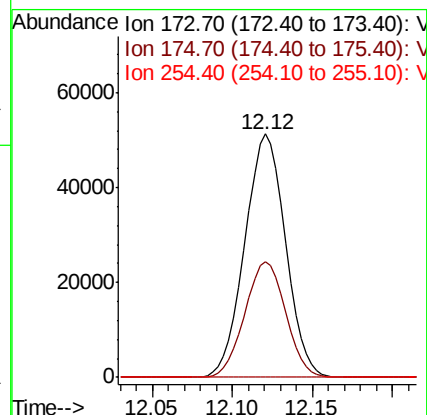
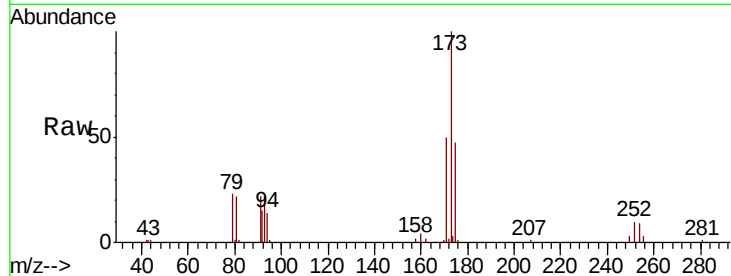




#71
Bromoform
Concen: 54.527 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

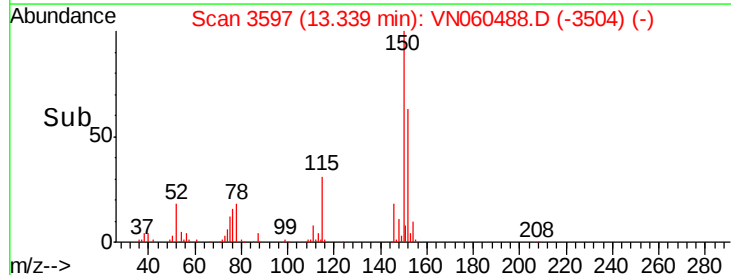
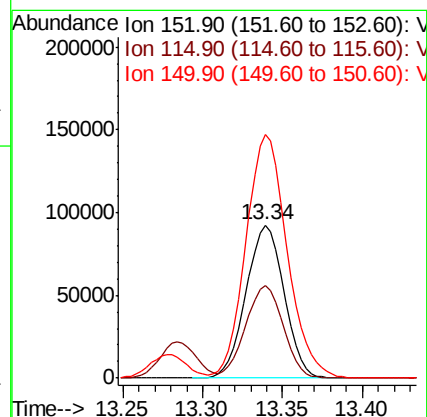
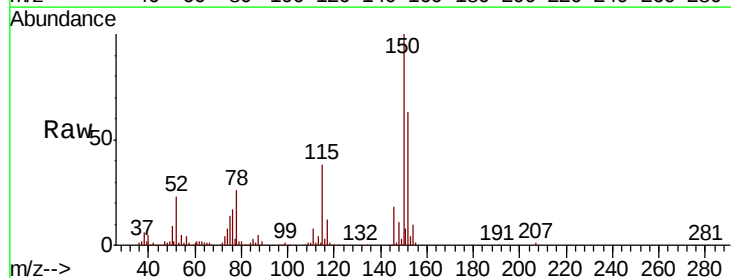
Instrument :
MSVOA_N
ClientSampleId :

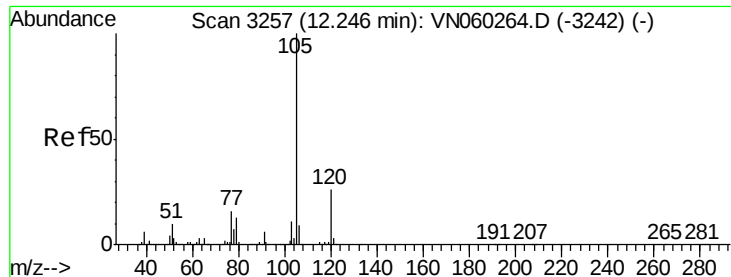
Tot Ion:173 Resp: 89204
Ion Ratio Lower Upper
173 100
175 47.8 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion:152 Resp: 150258
Ion Ratio Lower Upper
152 100
115 59.9 30.0 90.0
150 172.4 0.0 349.6





#73

Isopropylbenzene

Concen: 47.658 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

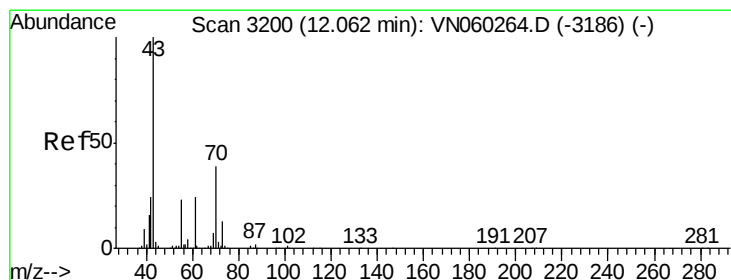
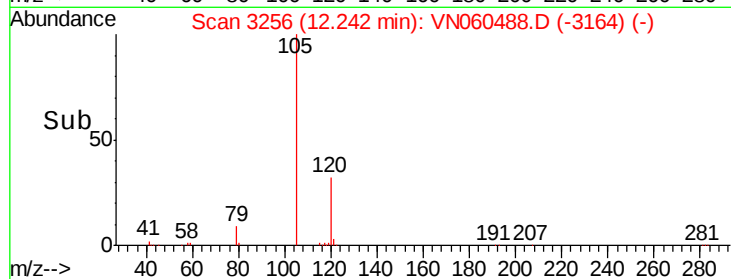
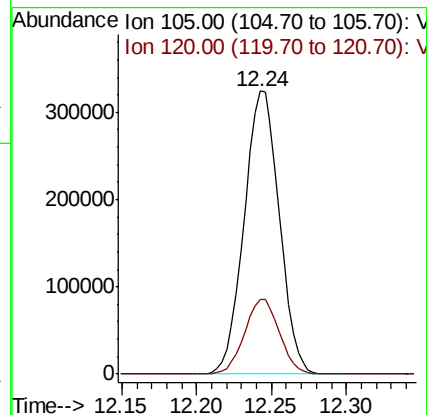
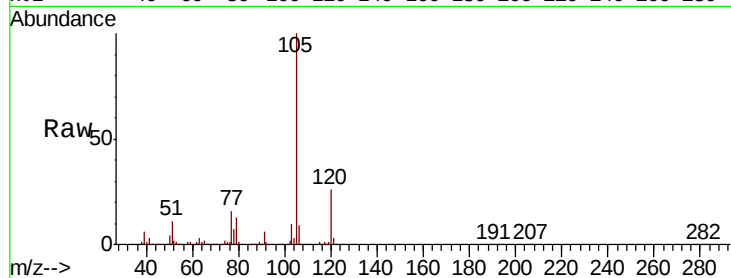
ClientSampled :

Tot Ion:105 Resp: 530760

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#74

N-ethyl acetate

Concen: 50.613 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion: 43 Resp: 246312

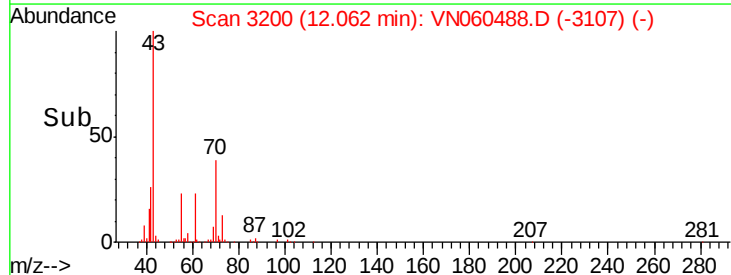
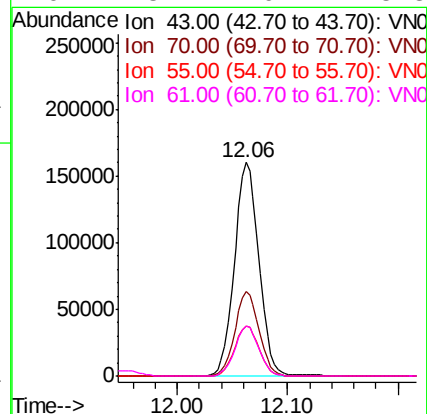
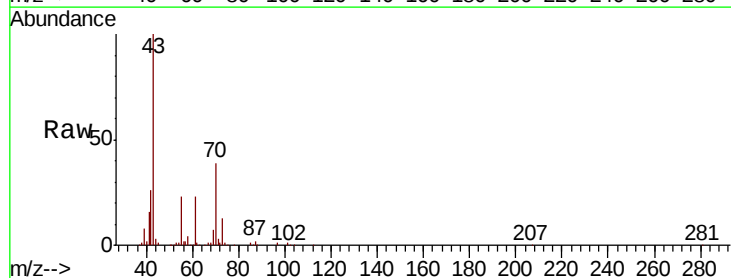
Ion Ratio Lower Upper

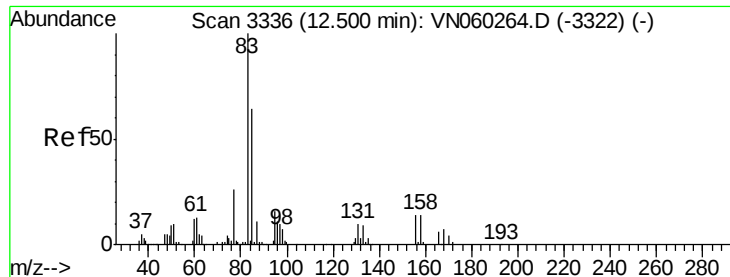
43 100

70 39.0 32.2 48.2

55 23.4 18.2 27.4

61 23.1 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 54.336 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

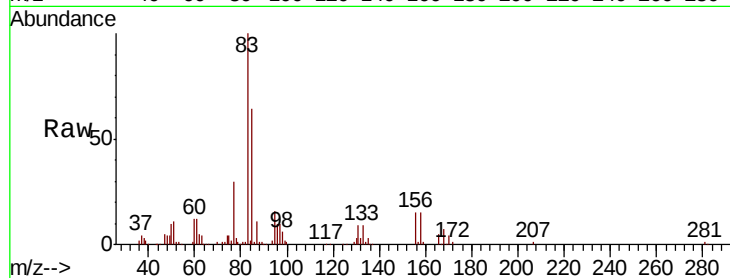
Tot Ion: 83 Resp: 164493

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.3

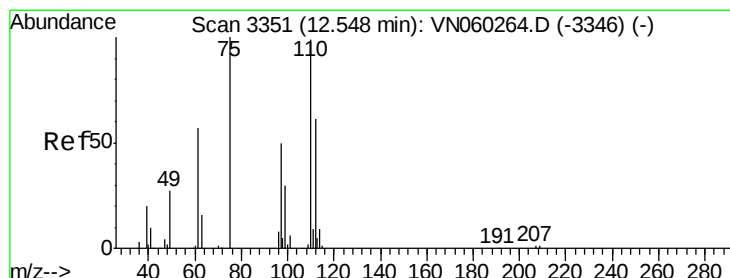
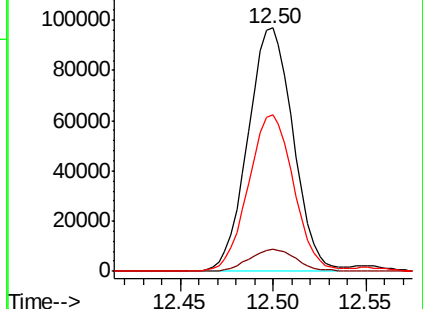
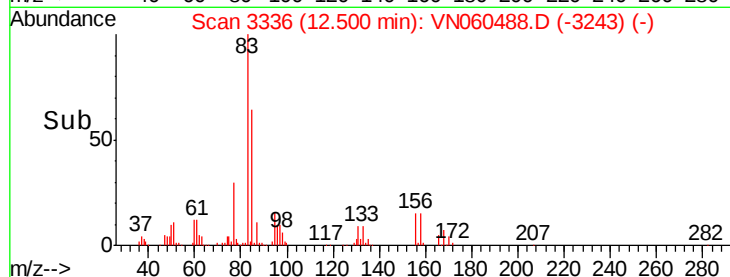
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060488.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060488.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060488.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 67.709 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060488.D

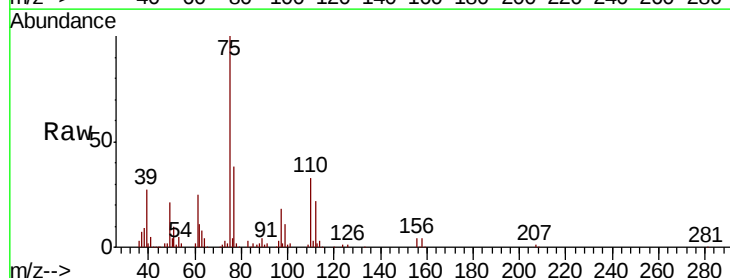
Acq: 13 Mar 2020 9:06

Tgt Ion: 75 Resp: 223213

Ion Ratio Lower Upper

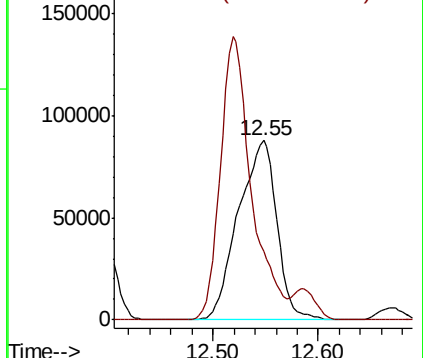
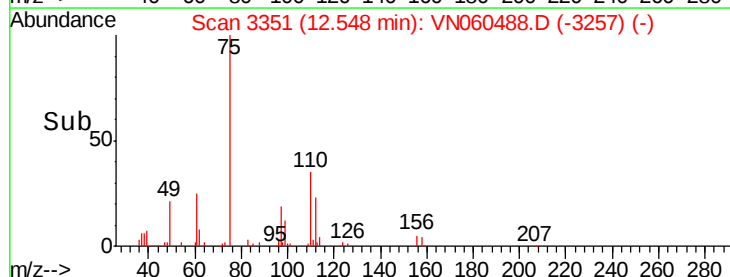
75 100

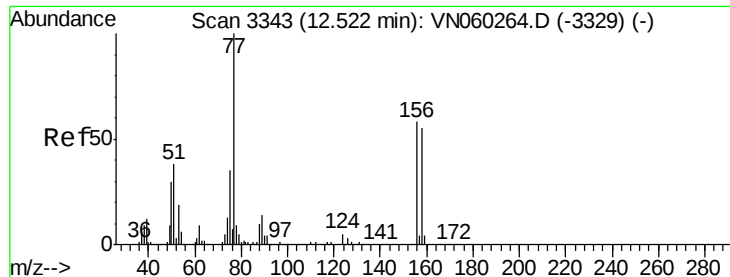
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060488.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060488.D (-3257) (-)





#77

Bromobenzene

Concen: 47.038 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

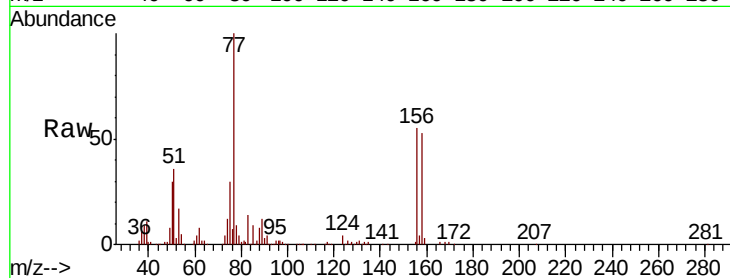
Tot Ion:156 Resp: 128411

Ion Ratio Lower Upper

156 100

77 219.9 106.1 318.3

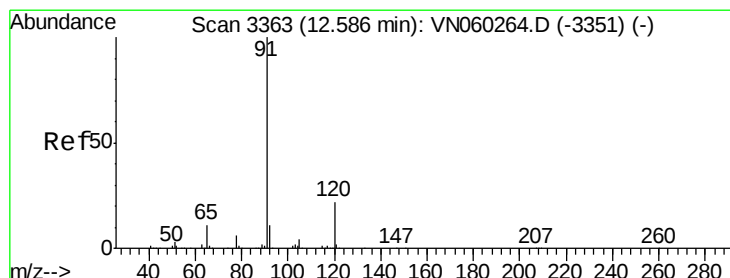
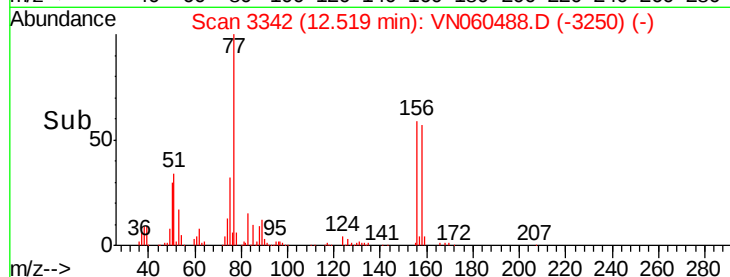
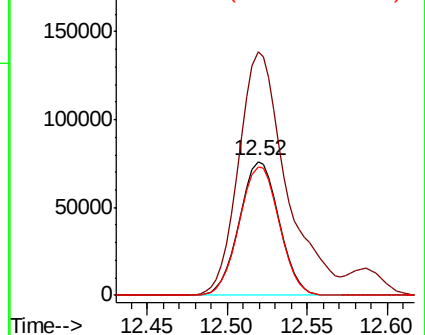
158 97.2 48.3 144.8



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: 48.389 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060488.D

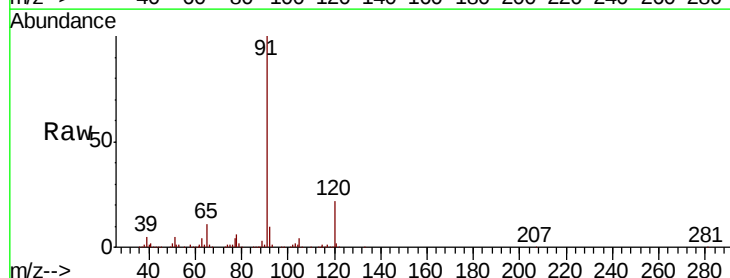
Acq: 13 Mar 2020 9:06

Tgt Ion: 91 Resp: 631701

Ion Ratio Lower Upper

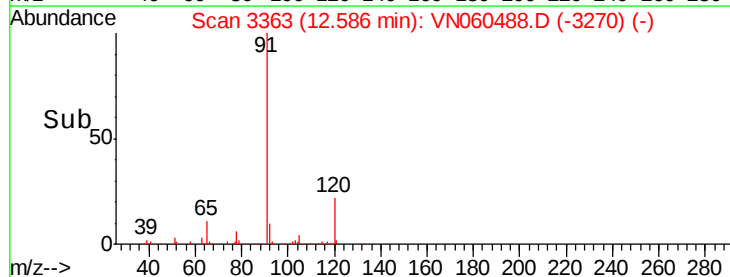
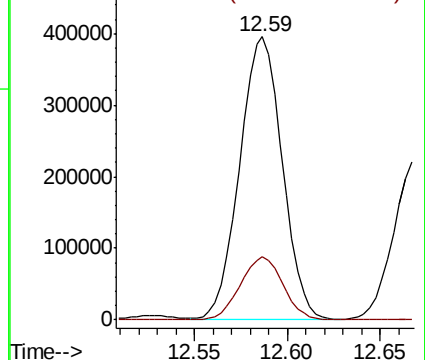
91 100

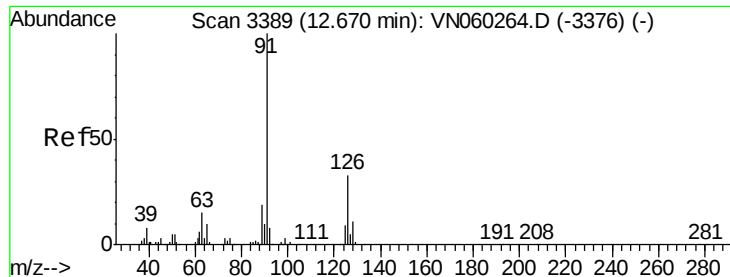
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.203 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

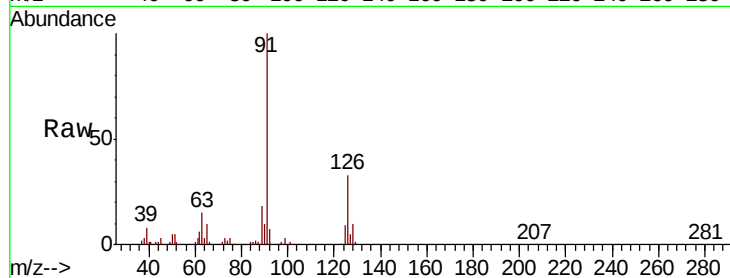
ClientSampleId :

Tot Ion: 91 Resp: 369897

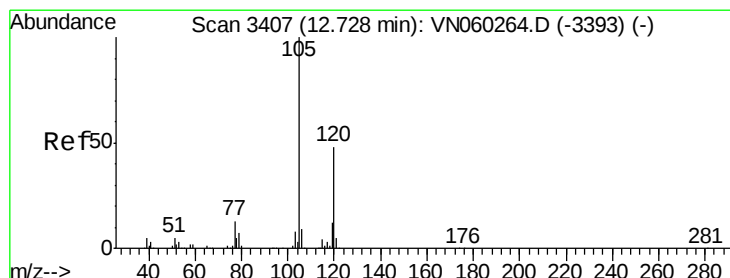
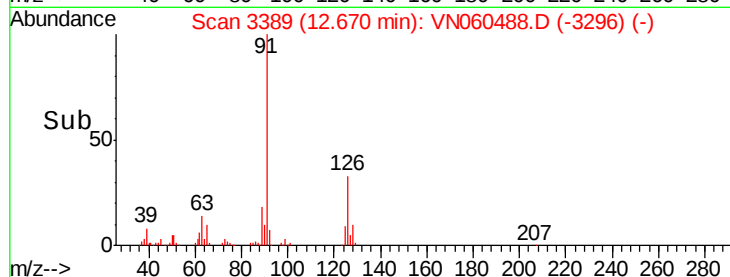
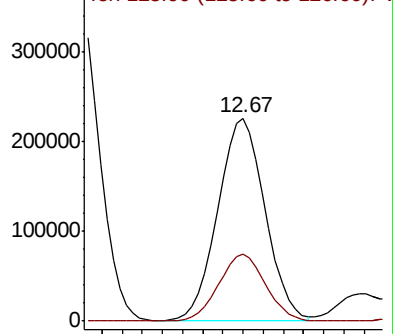
Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060488.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.873 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060488.D

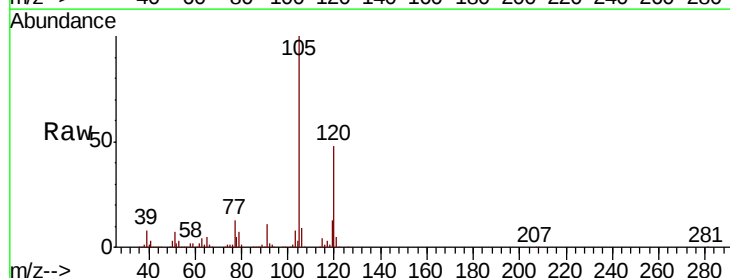
Acq: 13 Mar 2020 9:06

Tgt Ion: 105 Resp: 448892

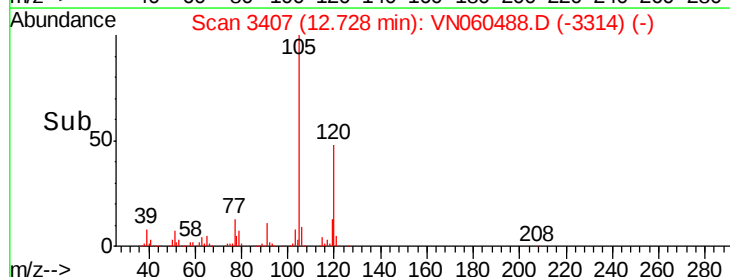
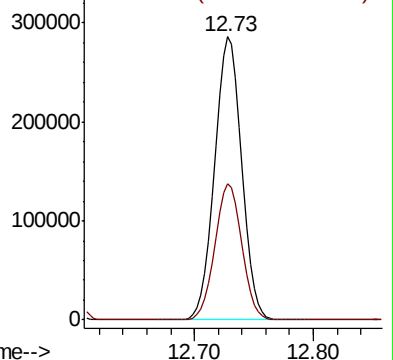
Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060488.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.658 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampled :

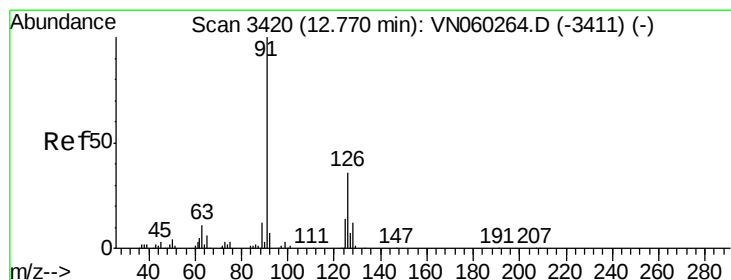
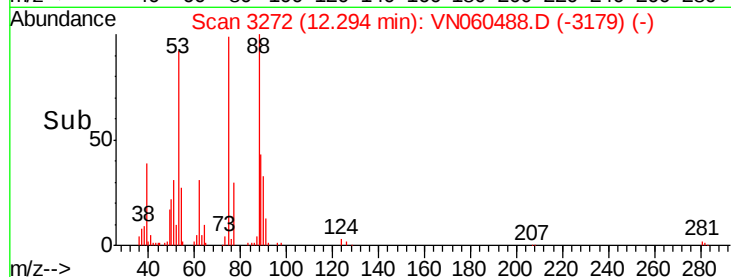
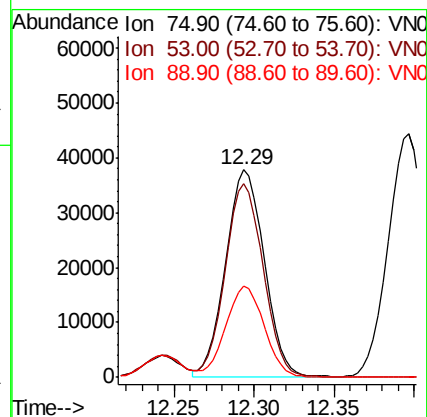
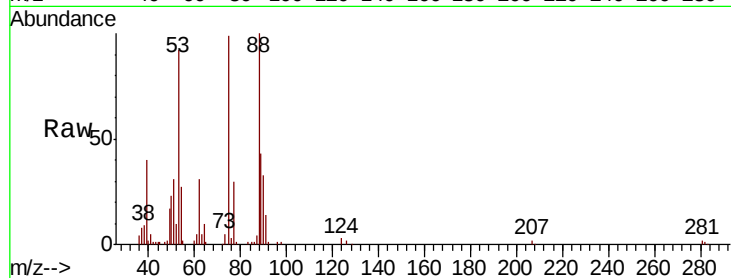
Tot Ion: 75 Resp: 62887

Ion Ratio Lower Upper

75 100

53 91.9 73.8 110.6

89 43.5 57.1 85.7#



#82

4-Chlorotoluene

Concen: 47.501 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060488.D

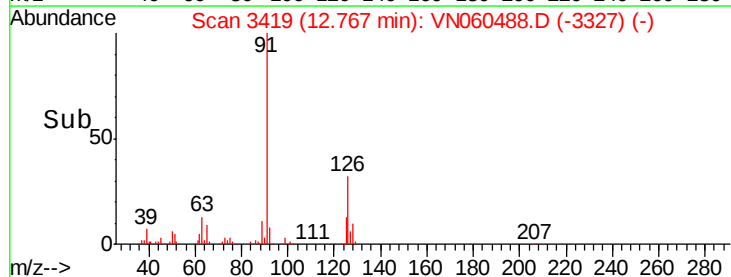
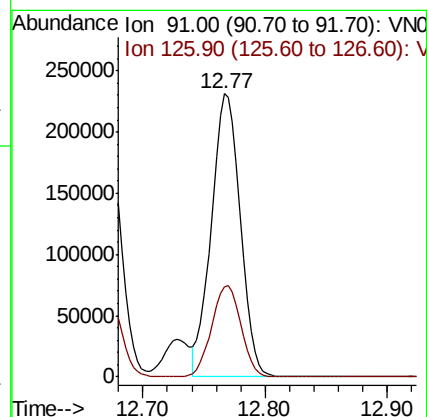
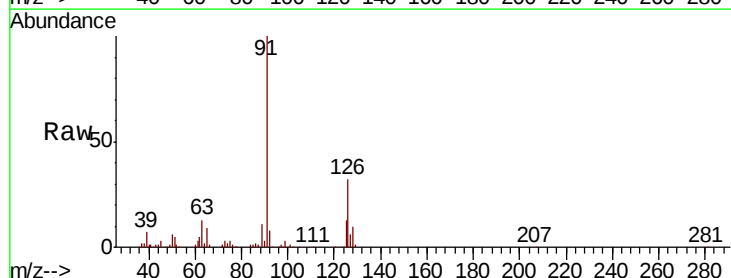
Acq: 13 Mar 2020 9:06

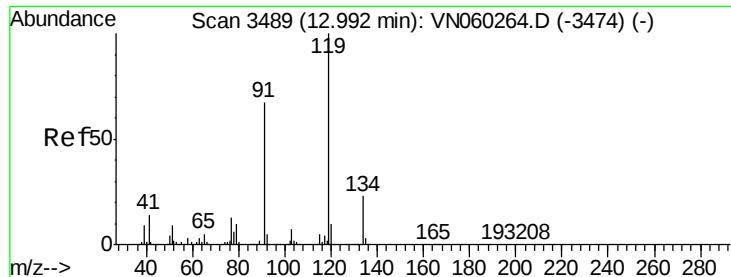
Tgt Ion: 91 Resp: 384037

Ion Ratio Lower Upper

91 100

126 32.7 16.7 50.1

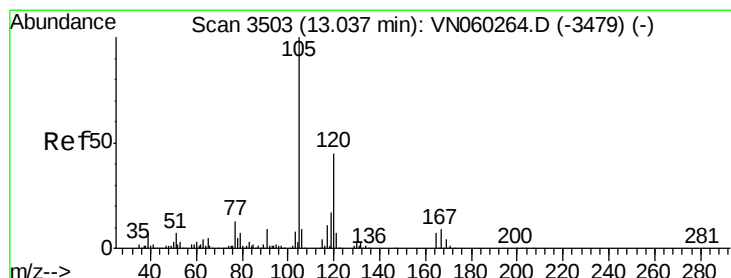
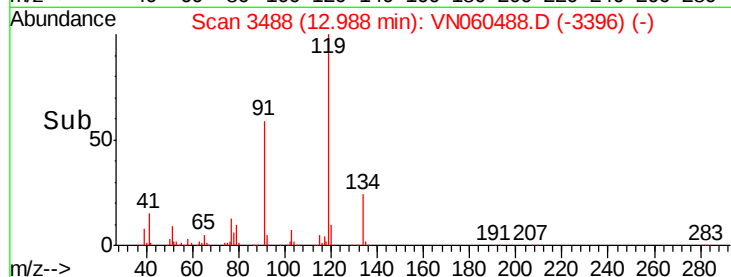
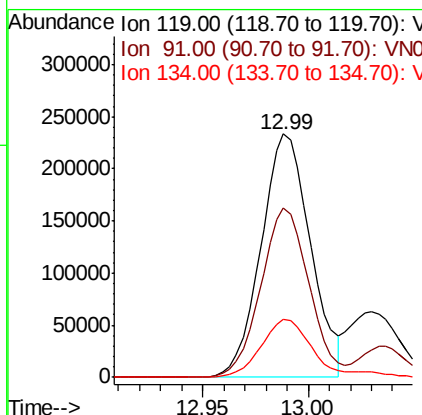
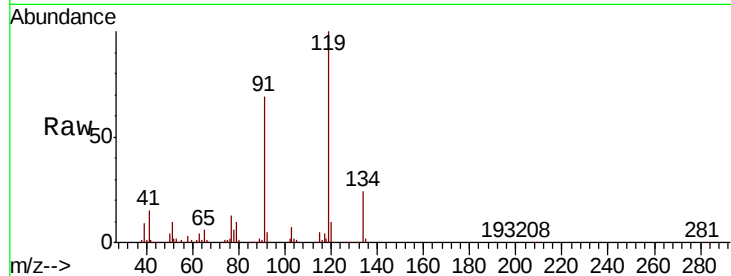




#83
 tert-Butylbenzene
 Concen: 46.947 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

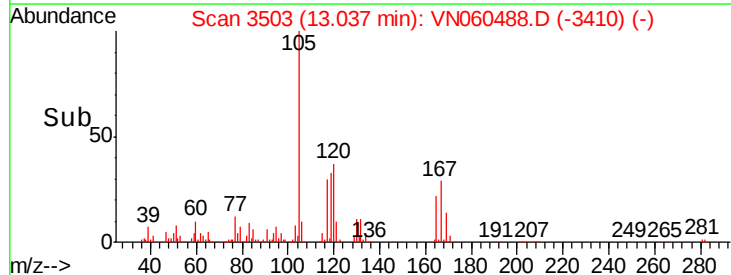
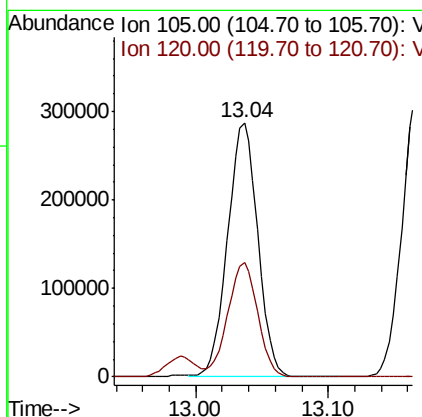
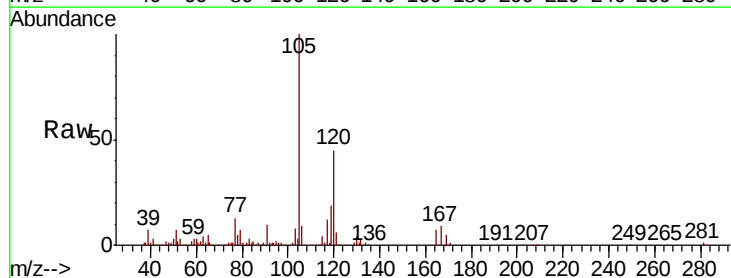
Instrument :
 MSVOA_N
 ClientSampled :

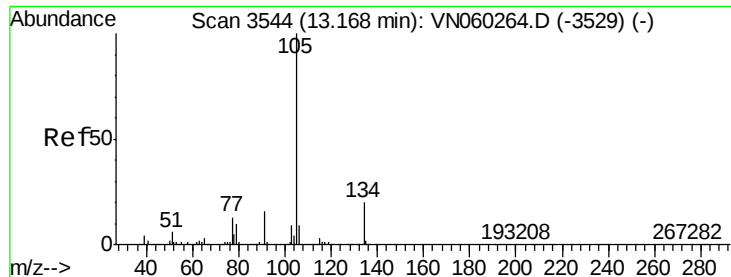
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.1	99.2
134	25.3	12.4	37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 47.924 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9

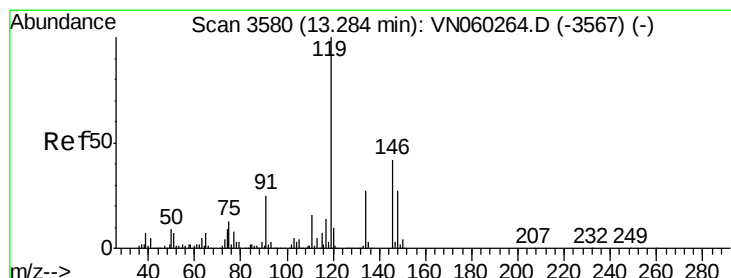
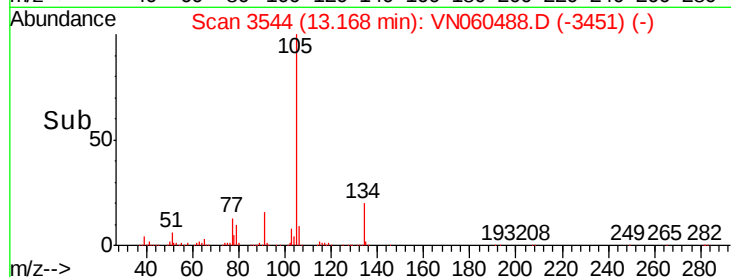
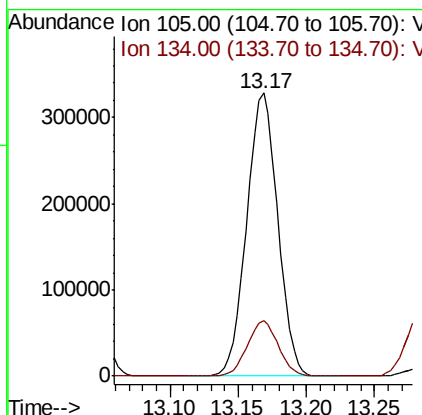
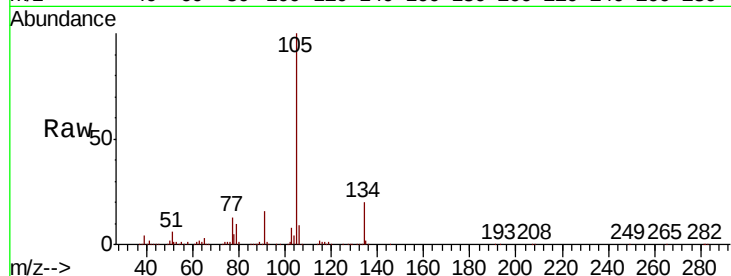




#85
 sec-Butylbenzene
 Concen: 47.760 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

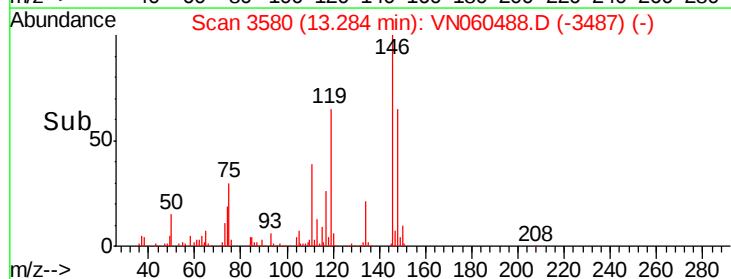
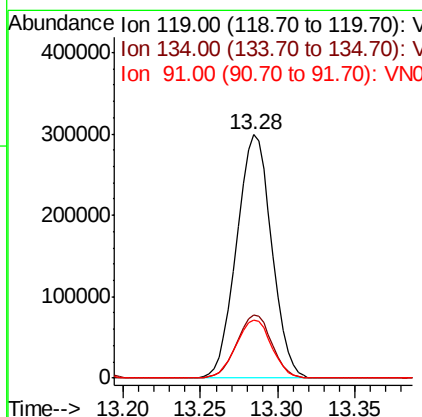
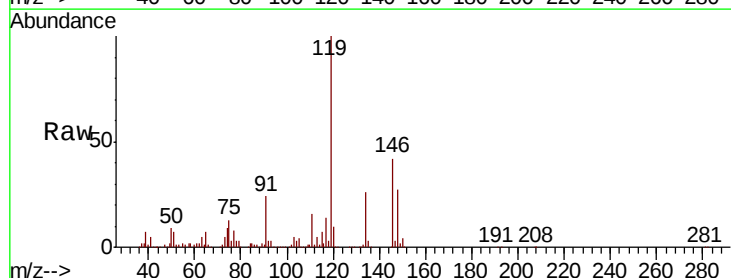
Instrument :
 MSVOA_N
 ClientSampled :

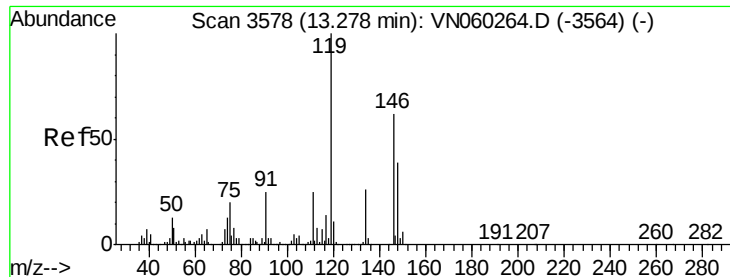
Tot Ion:105 Resp: 519220
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 46.616 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion:119 Resp: 469055
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.6
 91 24.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 49.941 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060488.D

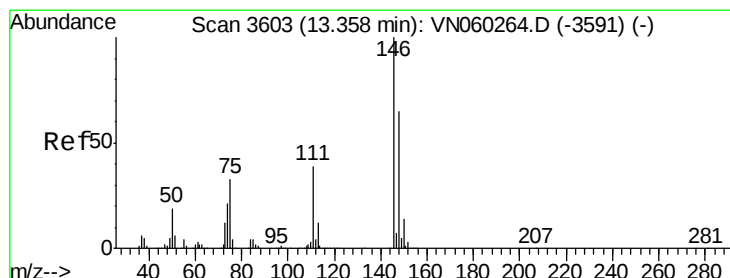
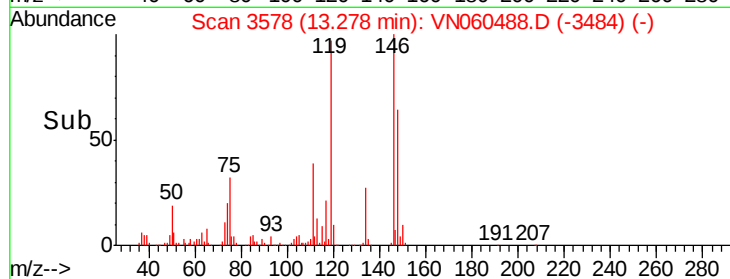
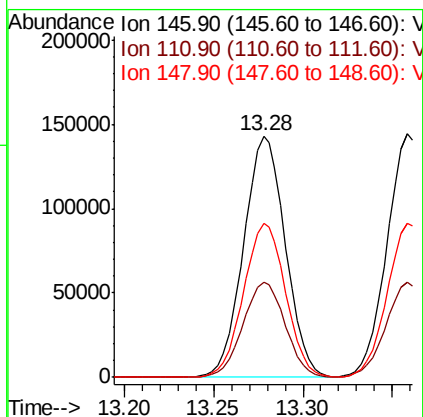
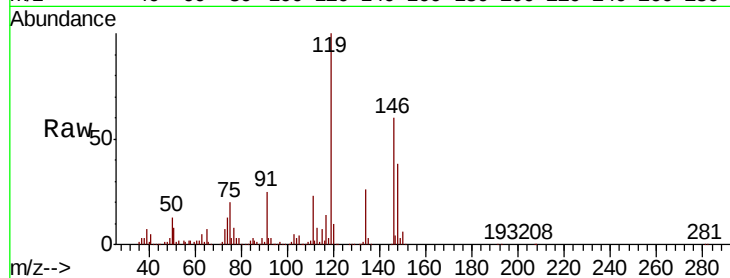
Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	234269
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.2	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 50.301 ug/l

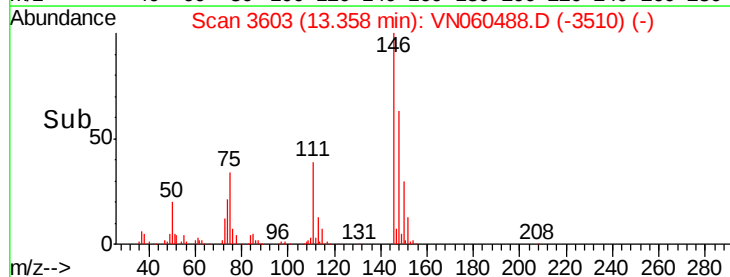
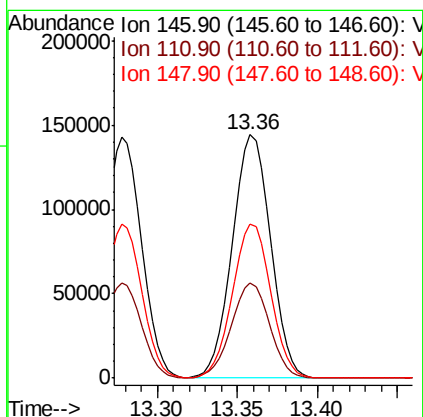
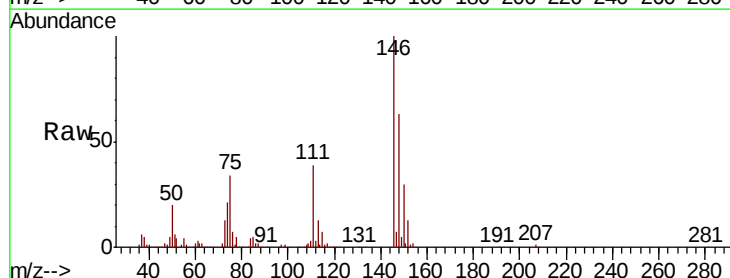
RT: 13.36 min Scan# 3603

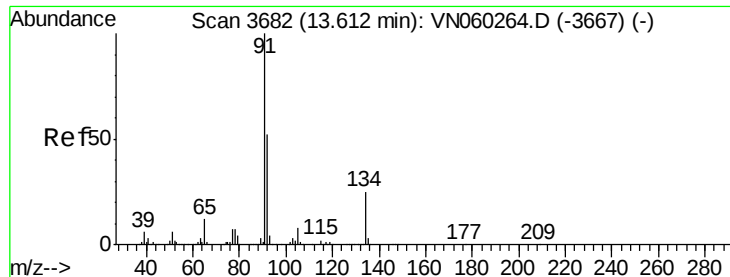
Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion:	146	Resp:	234612
Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	63.4	32.3	96.9

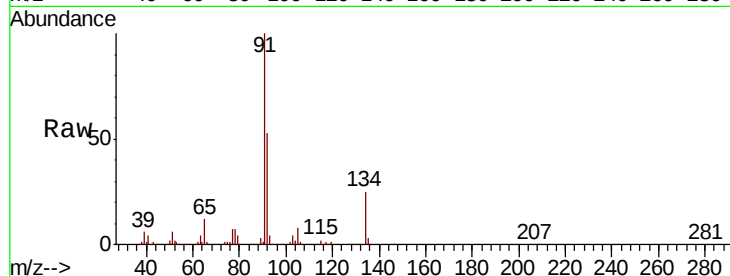




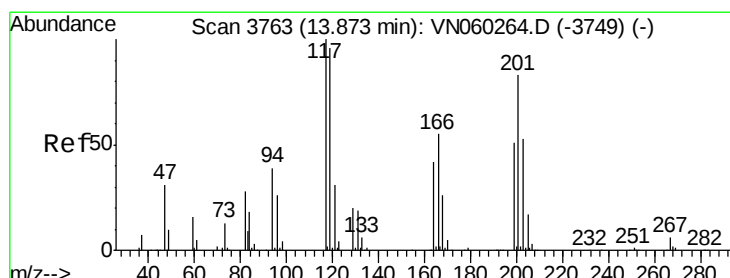
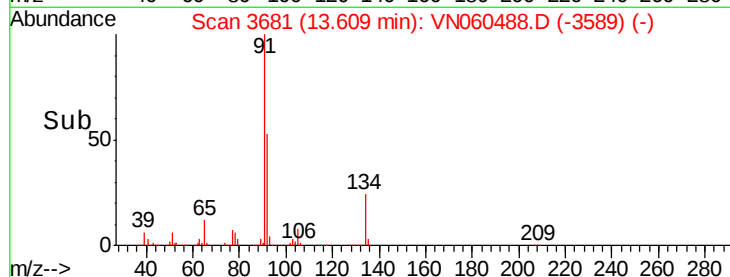
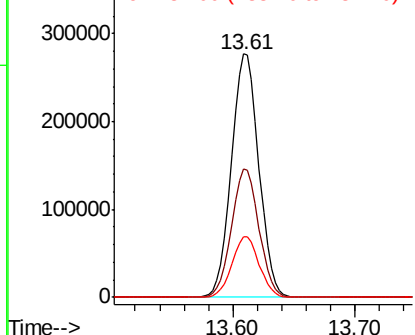
#89
n-Butylbenzene
Concen: 46.846 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 432715
Ion Ratio Lower Upper
91 100
92 52.7 26.0 78.0
134 24.7 12.7 38.1

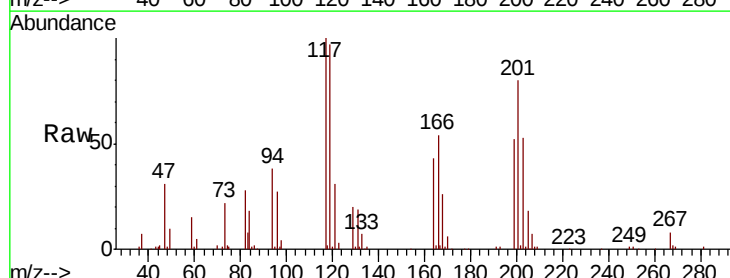


Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN060264.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN060264.D (-3667) (-)

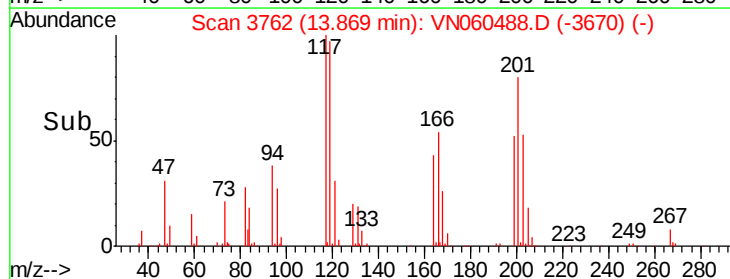
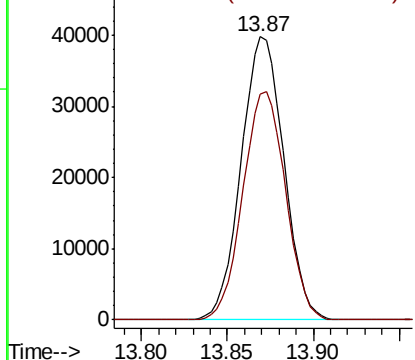


#90
Hexachloroethane
Concen: 47.117 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 117 Resp: 68624
Ion Ratio Lower Upper
117 100
201 80.6 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060264.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN060264.D (-3749) (-)

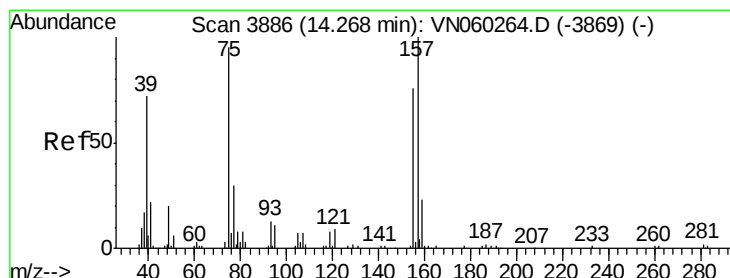
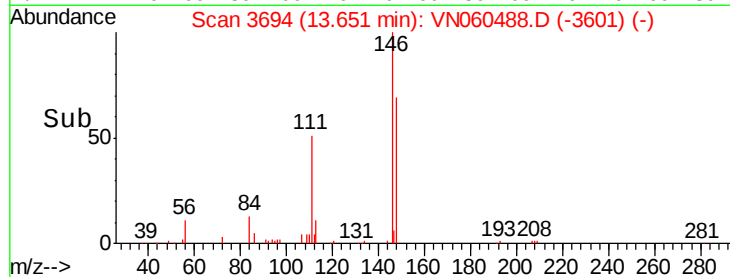
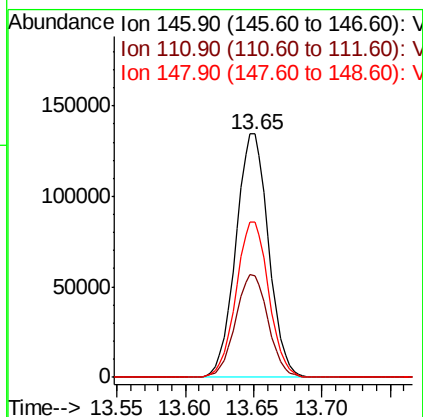
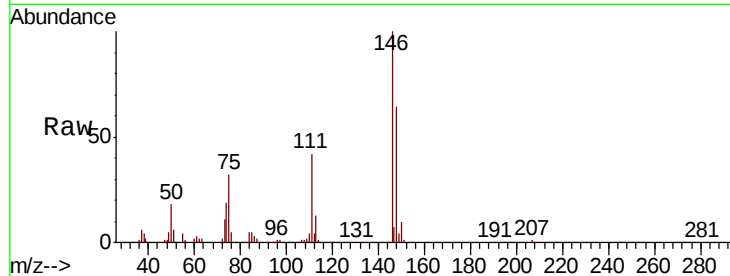




#91
 1,2-Dichlorobenzene
 Concen: 46.784 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

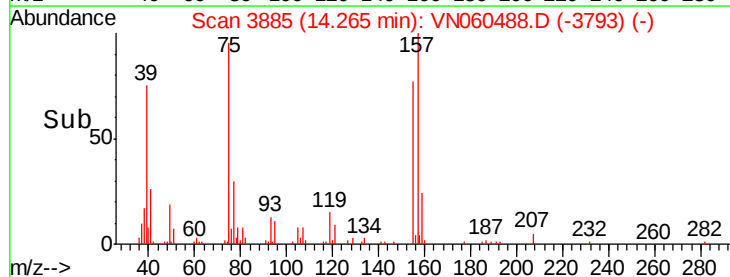
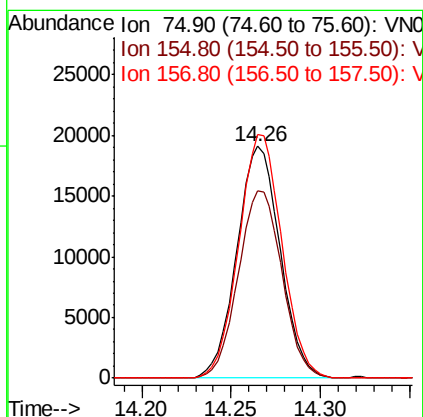
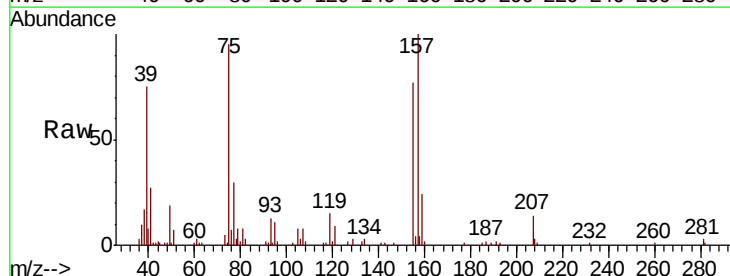
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	63.7	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.210 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.4	121.2
157	105.1	52.5	157.5

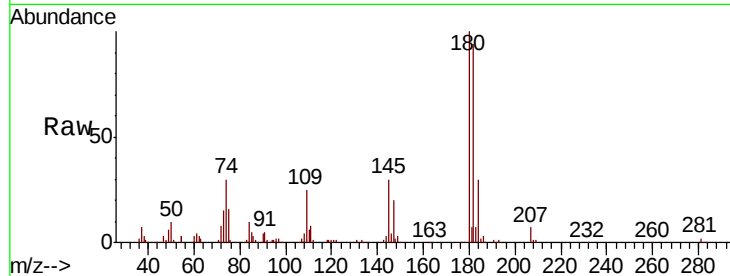




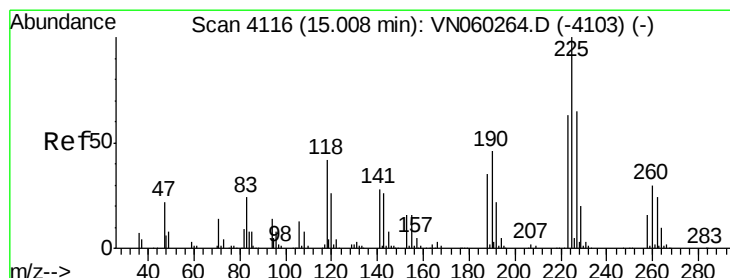
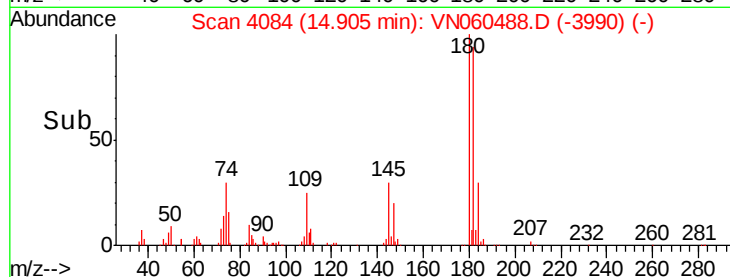
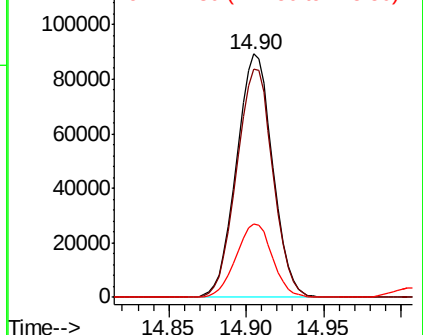
#93
 1,2,4-Trichlorobenzene
 Concen: 47.646 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 144811
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.3
 145 30.4 15.4 46.1

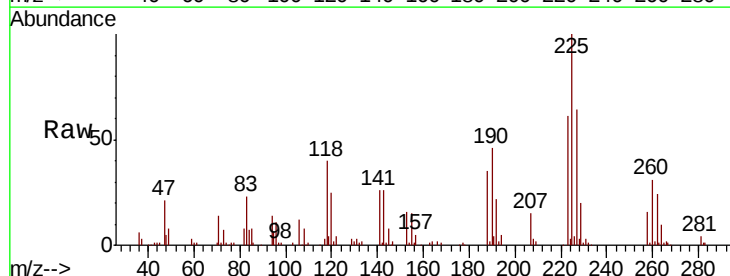


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

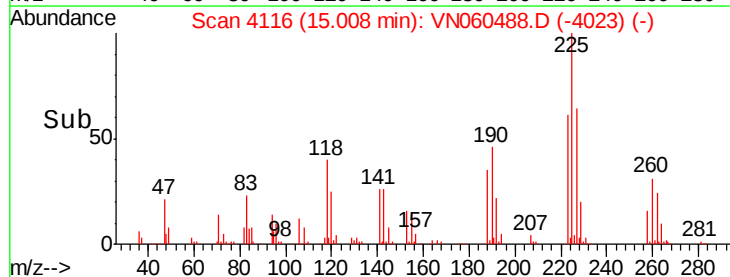
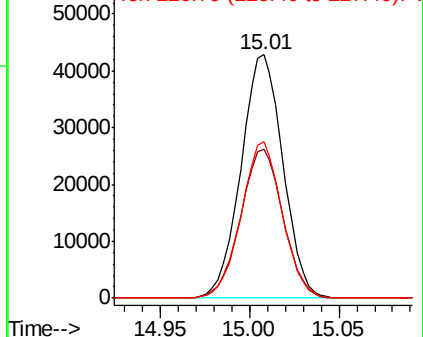


#94
 Hexachlorobutadiene
 Concen: 50.141 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion:225 Resp: 70057
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.3 93.9
 227 62.7 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.184 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampled :

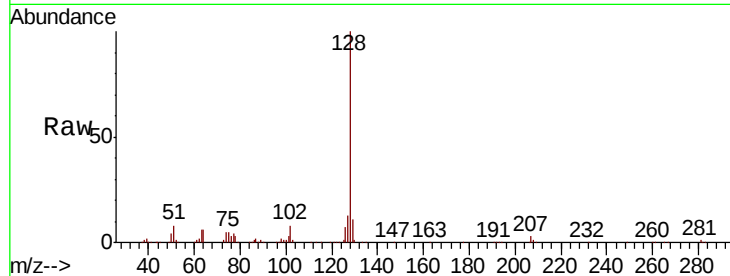
Tot Ion:128 Resp: 413669

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

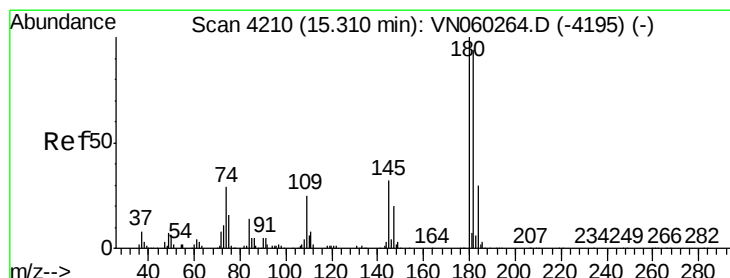
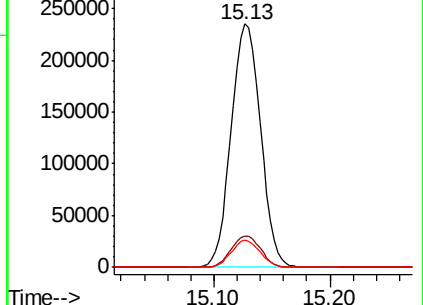
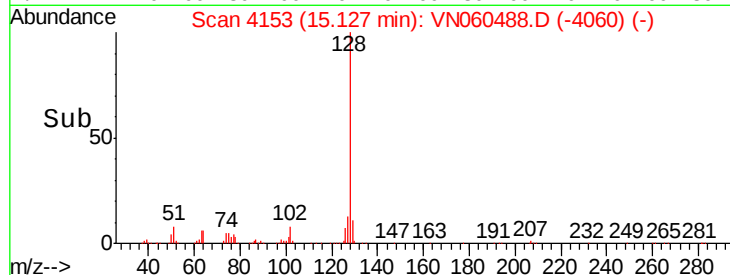
129 10.8 8.6 13.0



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: 47.215 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

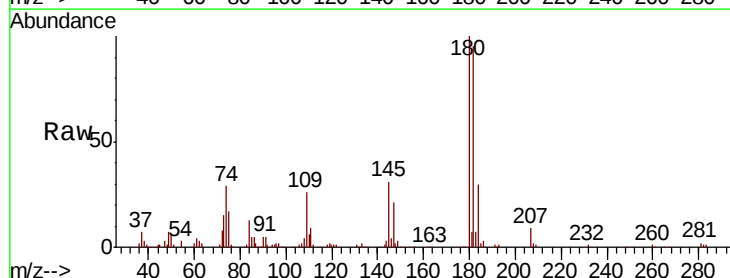
Tgt Ion:180 Resp: 135184

Ion Ratio Lower Upper

180 100

182 95.1 47.3 142.0

145 31.9 16.2 48.5



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

