

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060568.D
 Acq On : 17 Mar 2020 20:21
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Quant Time: Mar 18 08:52:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	211628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	359514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	329878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154549	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	142843	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	7.57	113	106821	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	10.08	98	437732	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.40	95	158652	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	109554	53.501	ug/l	99
3) Chloromethane	2.03	50	197032	51.520	ug/l	100
4) Vinyl Chloride	2.16	62	153627	51.358	ug/l	99
5) Bromomethane	2.54	94	70969	54.960	ug/l	99
6) Chloroethane	2.68	64	90363	52.441	ug/l	100
7) Trichlorofluoromethane	3.00	101	187655	50.926	ug/l	98
8) Diethyl Ether	3.38	74	77903	52.627	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	108561	50.844	ug/l	98
10) Methyl Iodide	3.93	142	111865	58.879	ug/l	100
11) Tert butyl alcohol	4.73	59	109756	256.884	ug/l	99
12) 1,1-Dichloroethene	3.72	96	116273	50.746	ug/l	100
13) Acrolein	3.57	56	126562	267.274	ug/l	99
14) Allyl chloride	4.29	41	203702	50.548	ug/l	96
15) Acrylonitrile	4.94	53	333962	265.810	ug/l	100
16) Acetone	3.78	43	264490	257.018	ug/l	99
17) Carbon Disulfide	4.03	76	367511	52.739	ug/l	99
18) Methyl Acetate	4.29	43	146525	50.586	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	398039	50.528	ug/l	97
20) Methylene Chloride	4.52	84	128406	50.724	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	124785	51.100	ug/l	98
22) Diisopropyl ether	5.92	45	440232	51.708	ug/l	97
23) Vinyl Acetate	5.86	43	1862337	268.094	ug/l	99
24) 1,1-Dichloroethane	5.82	63	239664	51.637	ug/l	99
25) 2-Butanone	6.80	43	441898	265.370	ug/l	100
26) 2,2-Dichloropropane	6.80	77	177065	48.488	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	142142	51.222	ug/l	99
28) Bromochloromethane	7.17	49	115777	52.138	ug/l	100
29) Tetrahydrofuran	7.18	42	305265	259.093	ug/l	100
30) Chloroform	7.35	83	224849	50.534	ug/l	99
31) Cyclohexane	7.63	56	229266	48.998	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	196836	51.316	ug/l	99
36) 1,1-Dichloropropene	7.77	75	180443	51.833	ug/l	99
37) Ethyl Acetate	6.90	43	192257	51.112	ug/l	99
38) Carbon Tetrachloride	7.75	117	160994	51.600	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	208990	50.517	ug/l	98
40) Benzene	8.02	78	531681	50.593	ug/l	100
41) Methacrylonitrile	7.18	41	272648	169.841	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	182362	50.777	ug/l	99
43) Isopropyl Acetate	8.14	43	318019	51.265	ug/l	100
44) Trichloroethene	8.82	130	137292	51.824	ug/l	99
45) 1,2-Dichloropropane	9.10	63	142096	51.243	ug/l	99
46) Dibromomethane	9.19	93	86328	51.495	ug/l	100
47) Bromodichloromethane	9.39	83	178951	51.369	ug/l	99
48) Methyl methacrylate	9.18	41	142864	51.726	ug/l	97
49) 1,4-Dioxane	9.18	88	33001	1005.234	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	931717	263.939	ug/l	100
52) Toluene	10.14	92	326737	51.482	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	207243	51.791	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	223151	50.833	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	124832	51.126	ug/l	99
56) Ethyl methacrylate	10.42	69	207083	54.394	ug/l	99
57) 1,3-Dichloropropane	10.70	76	216564	51.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	516263	272.841	ug/l	100
59) 2-Hexanone	10.74	43	678868	266.968	ug/l	99
60) Dibromochloromethane	10.89	129	131677	52.209	ug/l	99
61) 1,2-Dibromoethane	11.00	107	129572	52.774	ug/l	100
64) Tetrachloroethene	10.62	164	130438	50.249	ug/l	99
65) Chlorobenzene	11.43	112	331818	50.740	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	121324	51.241	ug/l	99
67) Ethyl Benzene	11.50	91	623166	51.242	ug/l	99
68) m/p-Xylenes	11.62	106	461492	102.119	ug/l	99
69) o-Xylene	11.94	106	220980	51.223	ug/l	99
70) Styrene	11.96	104	370984	52.580	ug/l	99
71) Bromoform	12.12	173	95395	48.527	ug/l #	100
73) Isopropylbenzene	12.24	105	587980	50.695	ug/l	100
74) N-amyl acetate	12.06	43	280921	52.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	179262	51.109	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	244978	73.460	ug/l #	100
77) Bromobenzene	12.52	156	141540	50.644	ug/l	99
78) n-propylbenzene	12.59	91	700763	51.141	ug/l	99
79) 2-Chlorotoluene	12.67	91	407650	49.790	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	499055	50.704	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	66735	51.395	ug/l	99
82) 4-Chlorotoluene	12.77	91	426180	51.109	ug/l	100
83) tert-Butylbenzene	12.99	119	412777	50.590	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	499862	51.334	ug/l	100
85) sec-Butylbenzene	13.17	105	559936	51.034	ug/l	99
86) p-Isopropyltoluene	13.28	119	501025	50.782	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	251813	51.086	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	253382	51.165	ug/l	99
89) n-Butylbenzene	13.61	91	460268	51.671	ug/l	100
90) Hexachloroethane	13.87	117	75812	52.863	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	240216	50.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38018	51.760	ug/l	98

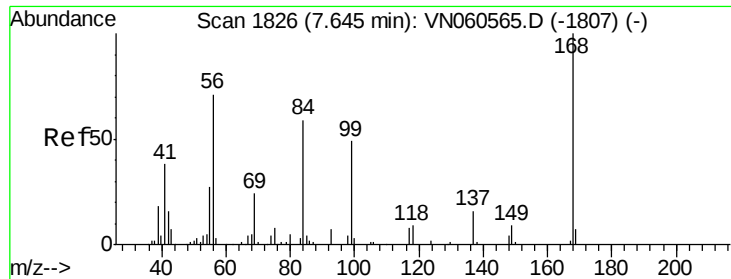
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	158271	54.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	75407	53.145	ug/l	98
95) Naphthalene	15.13	128	490311	56.321	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	152916	53.638	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

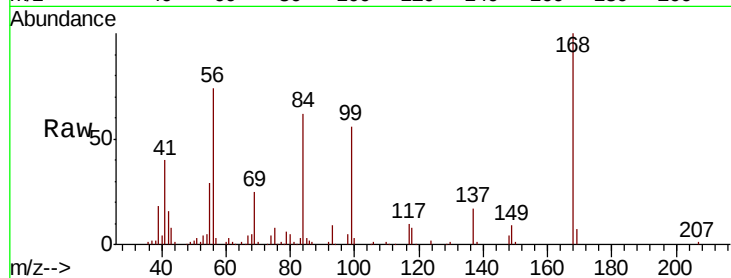
ICVVN031820

Tot Ion:168 Resp: 211628

Ion Ratio Lower Upper

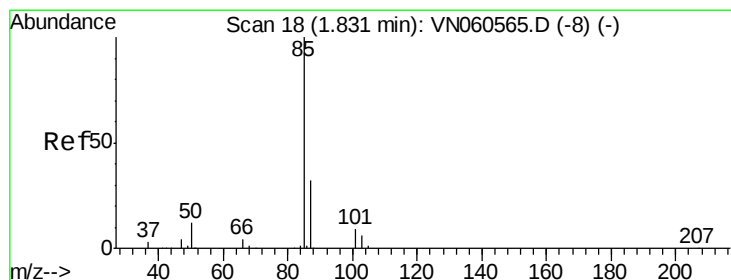
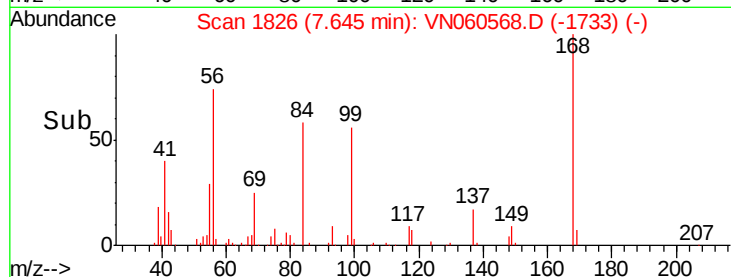
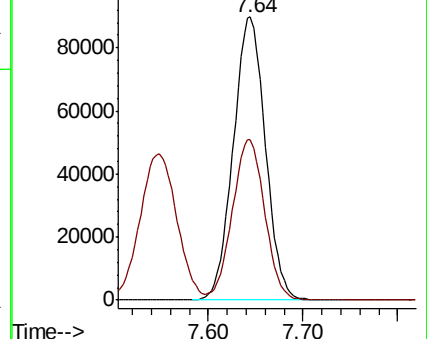
168 100

99 56.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.501 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060568.D

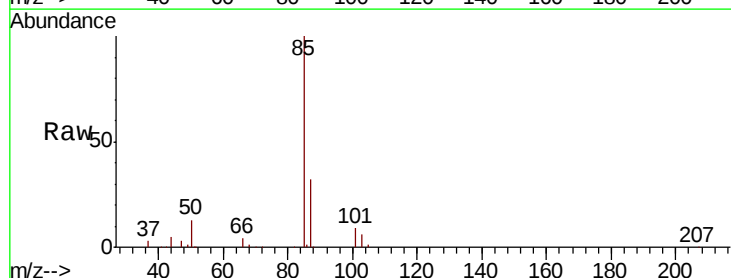
Acq: 17 Mar 2020 20:21

Tgt Ion: 85 Resp: 109554

Ion Ratio Lower Upper

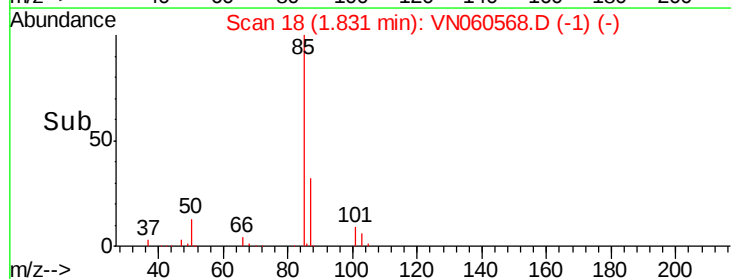
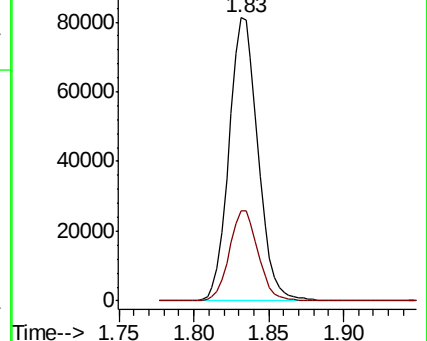
85 100

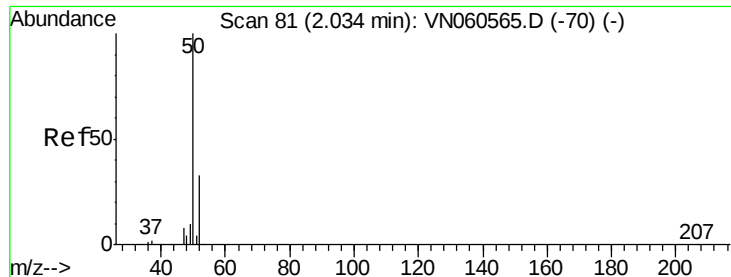
87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.520 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

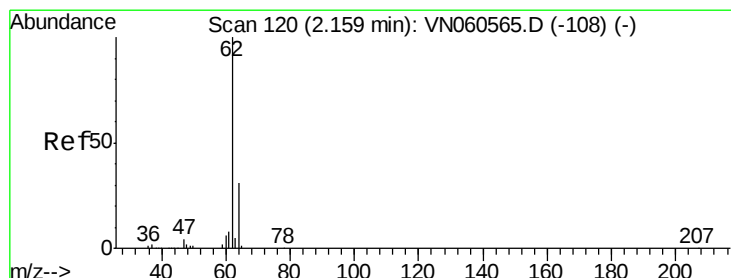
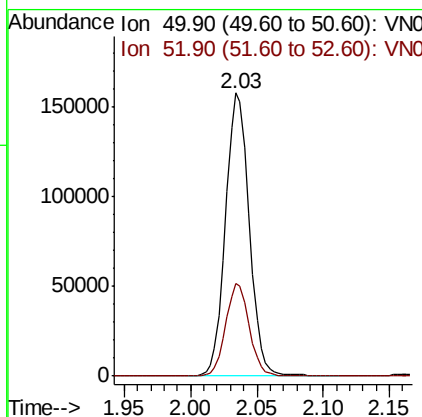
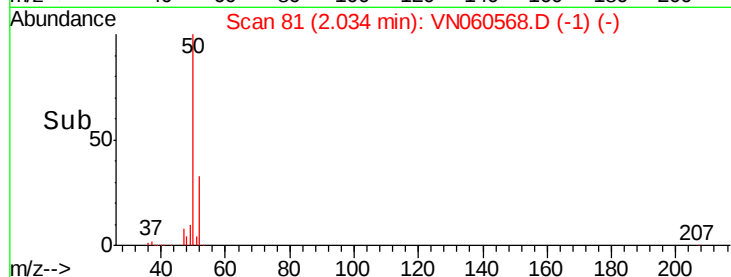
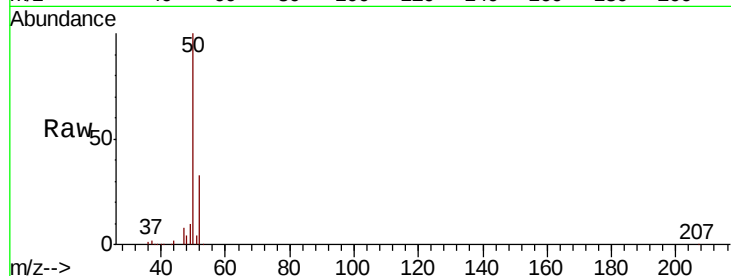
ICVVN031820

Tot Ion: 50 Resp: 197032

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.2



#4

Vinyl Chloride

Concen: 51.358 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN060568.D

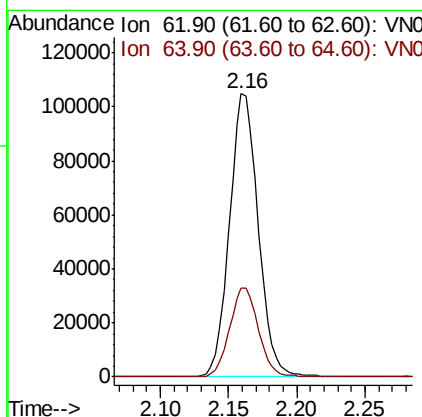
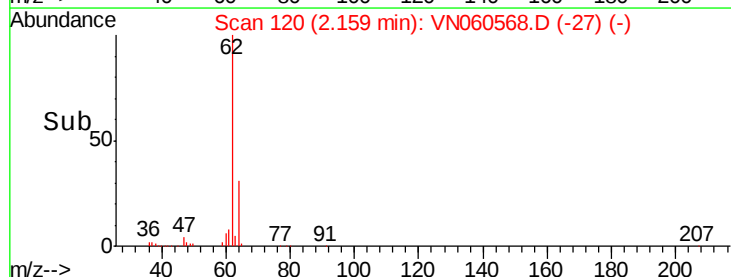
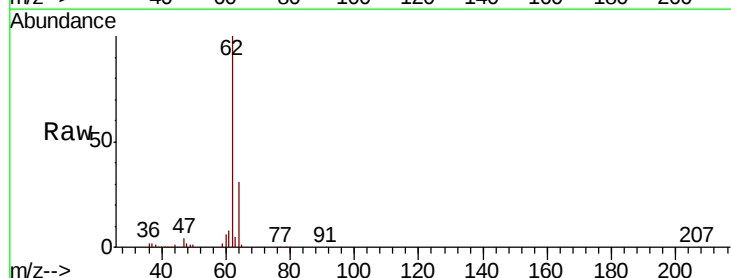
Acq: 17 Mar 2020 20:21

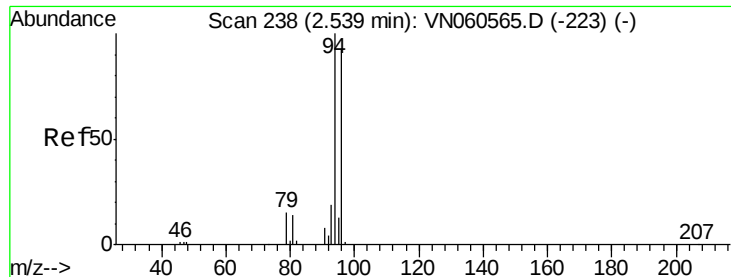
Tgt Ion: 62 Resp: 153627

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 54.960 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

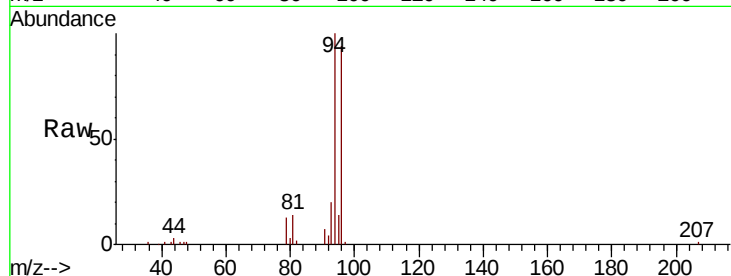
ICVVN031820

Tot Ion: 94 Resp: 70969

Ion Ratio Lower Upper

94 100

96 93.9 74.6 112.0

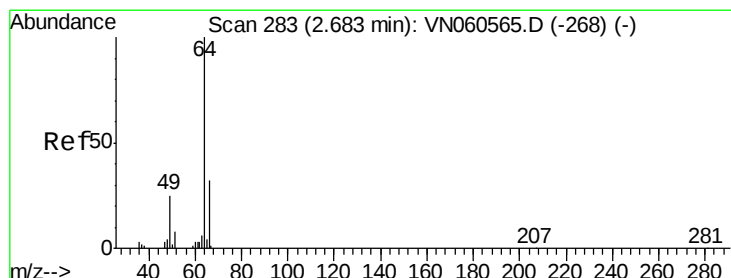
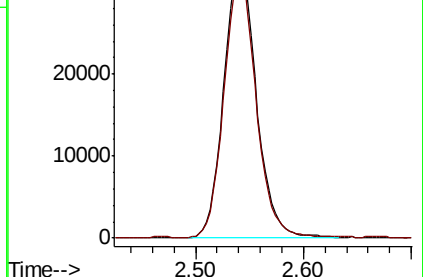
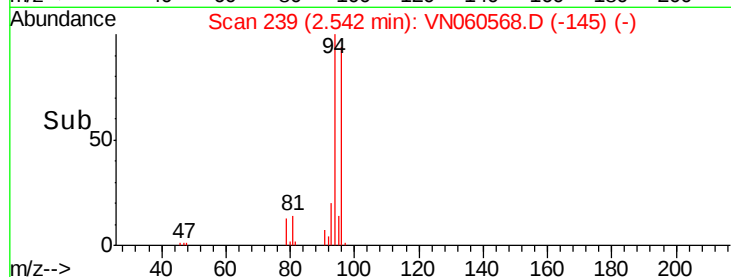


Abundance Ion 93.90 (93.60 to 94.60): VN060568.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060568.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 52.441 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060568.D

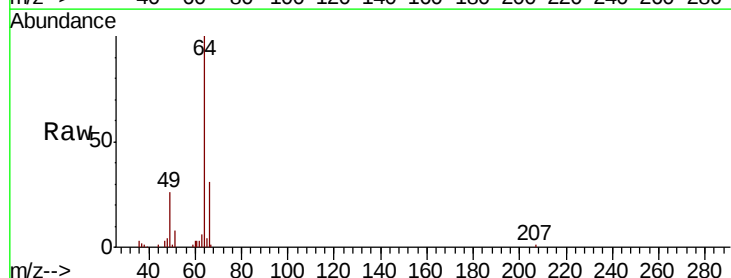
Acq: 17 Mar 2020 20:21

Tgt Ion: 64 Resp: 90363

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9

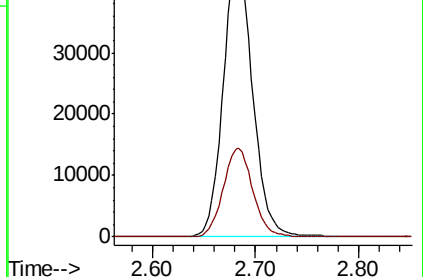
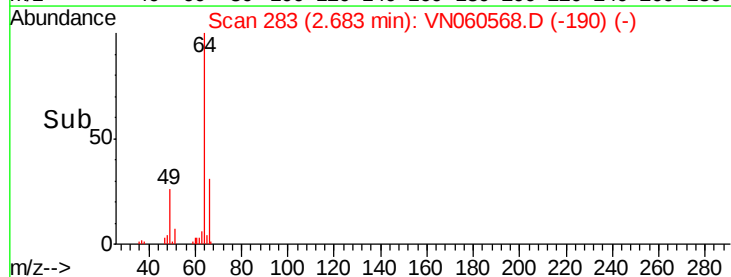


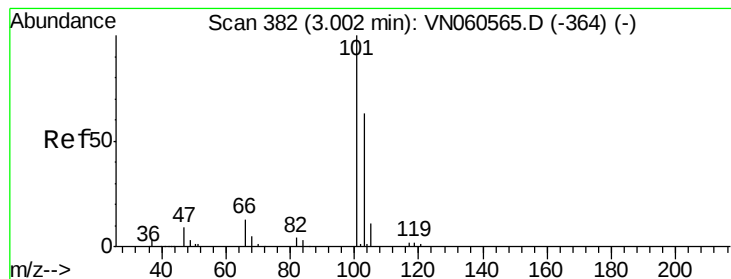
Abundance Ion 63.90 (63.60 to 64.60): VN060568.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060568.D (-190) (-)

2.68

Time-->



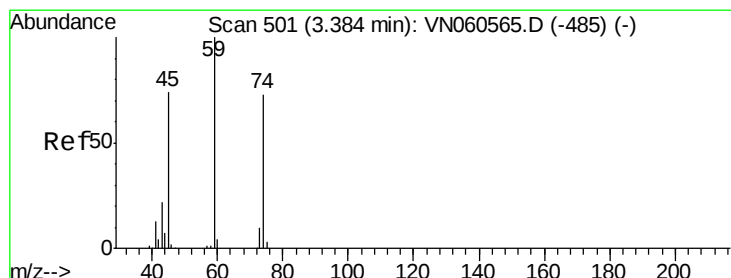
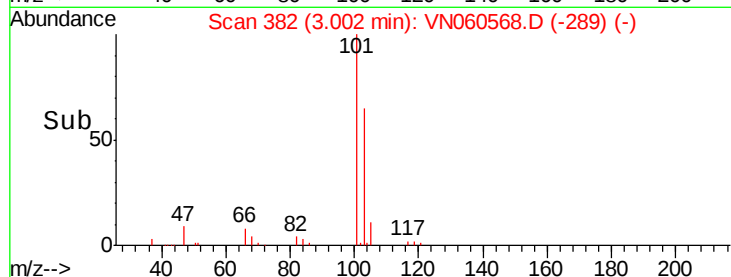
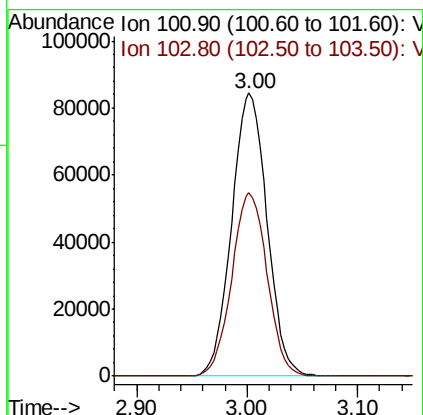
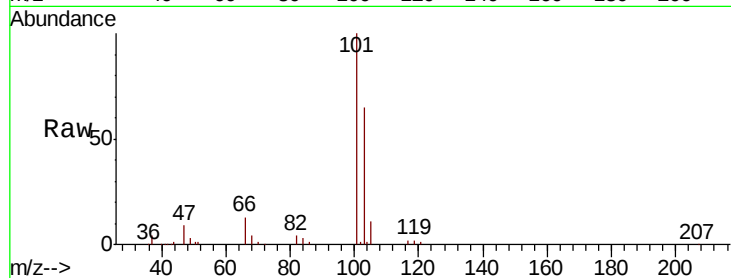


#7

Trichlorofluoromethane
 Concen: 50.926 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
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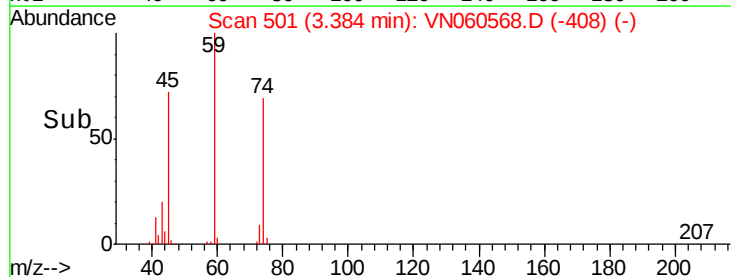
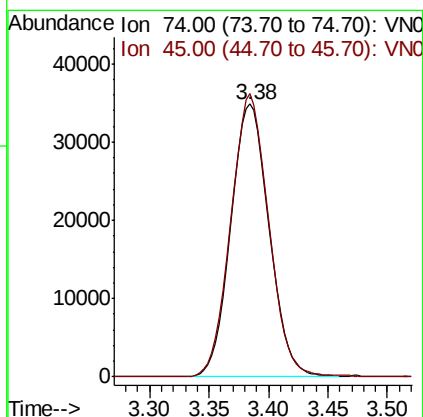
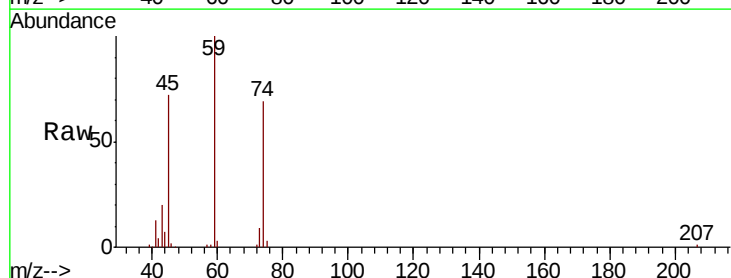
Tot Ion:101 Resp: 187655
 Ion Ratio Lower Upper
 101 100
 103 64.9 50.6 76.0

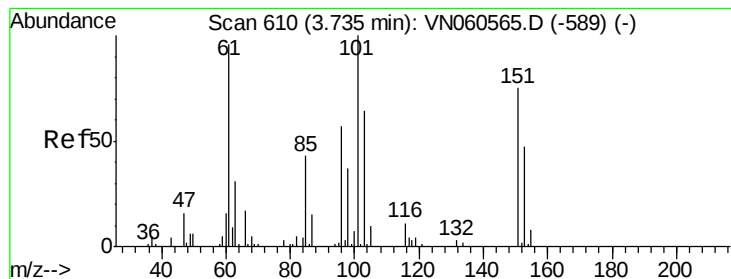


#8

Diethyl Ether
 Concen: 52.627 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion: 74 Resp: 77903
 Ion Ratio Lower Upper
 74 100
 45 102.5 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.844 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

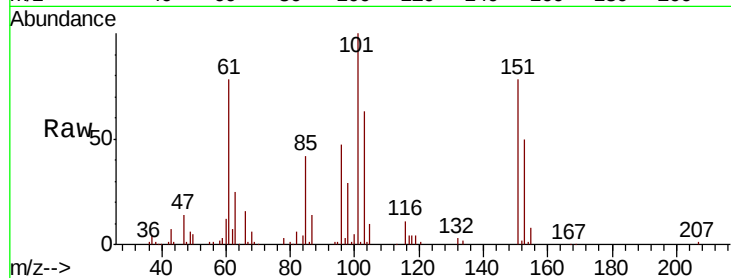
Tot Ion:101 Resp: 108561

Ion Ratio Lower Upper

101 100

85 43.8 35.6 53.4

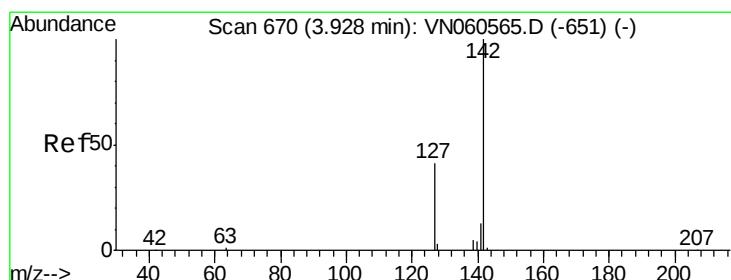
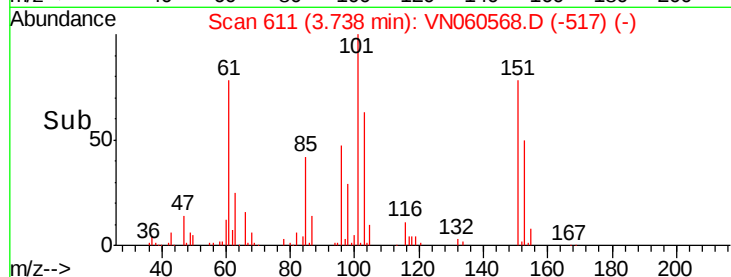
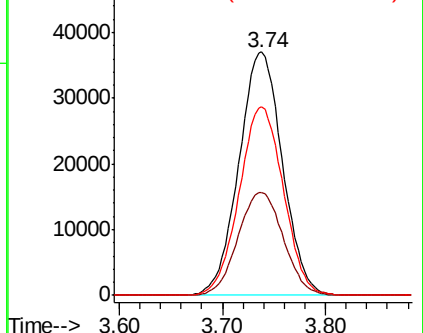
151 78.6 61.4 92.2



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: 58.879 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

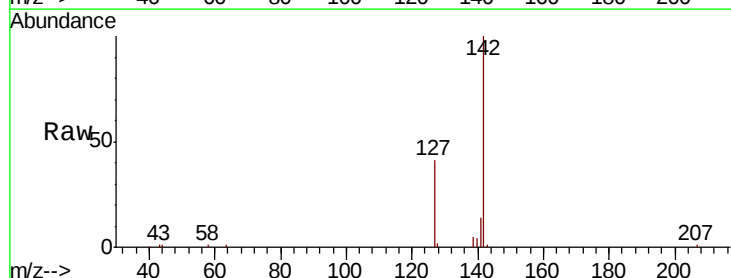
Tgt Ion:142 Resp: 111865

Ion Ratio Lower Upper

142 100

127 41.8 33.5 50.3

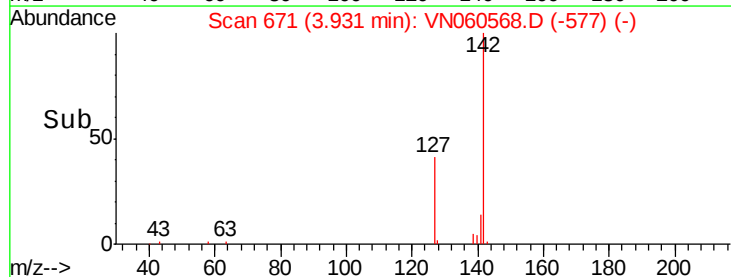
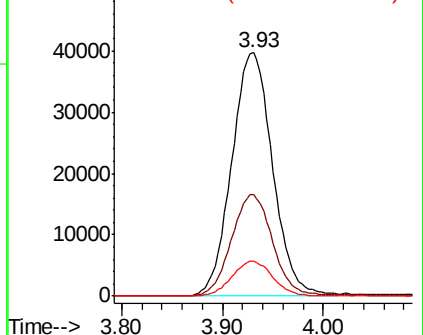
141 14.2 11.0 16.6

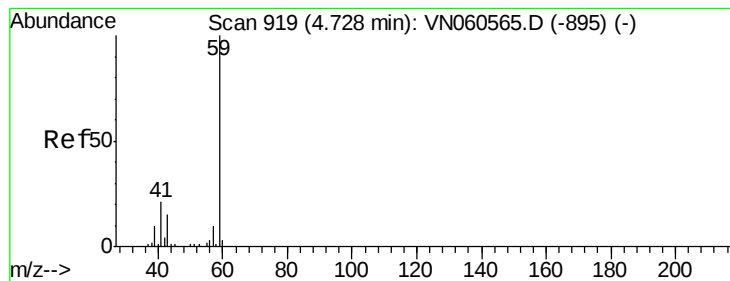


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



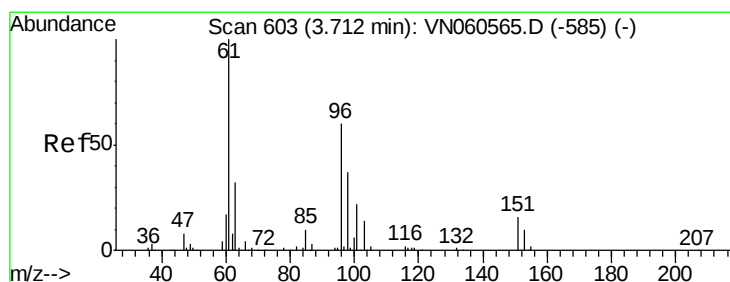
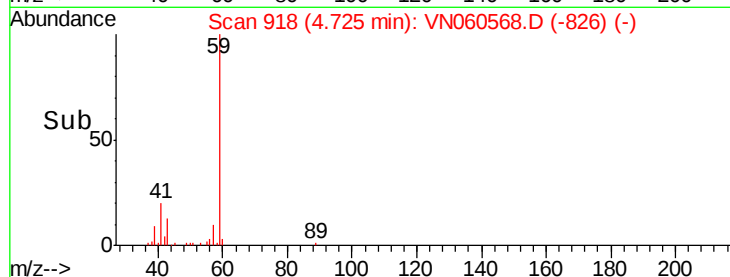
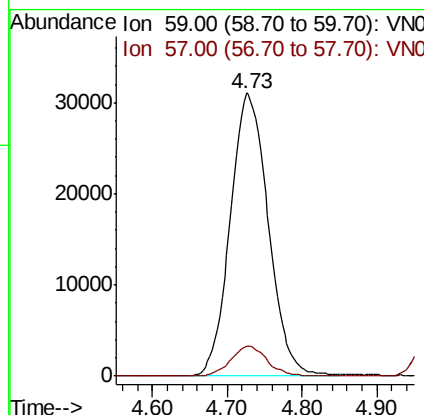
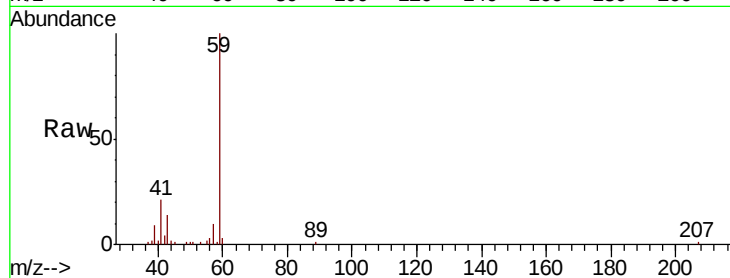


#11

Tert butyl alcohol
 Concen: 256.884 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

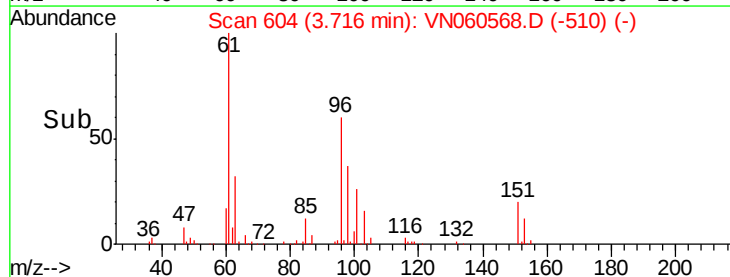
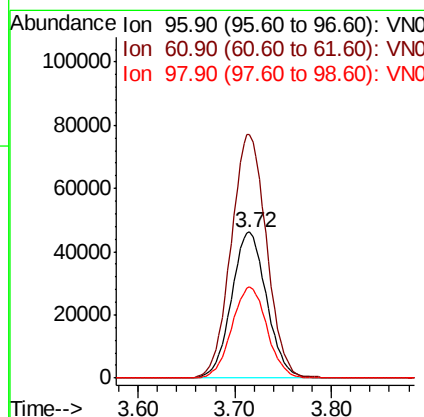
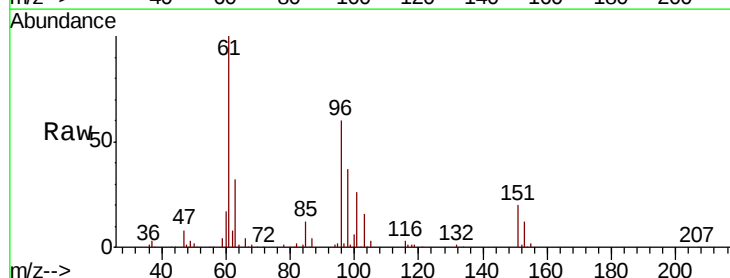
Tot Ion: 59 Resp: 109756
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

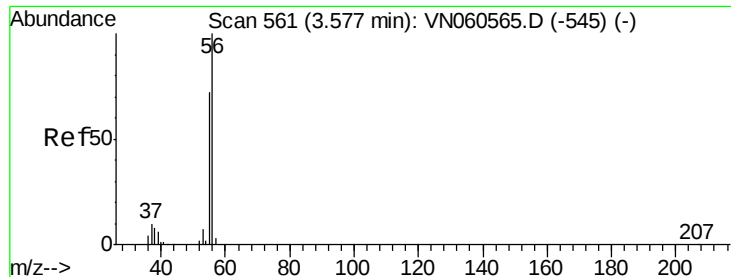


#12

1,1-Dichloroethene
 Concen: 50.746 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion: 96 Resp: 116273
 Ion Ratio Lower Upper
 96 100
 61 166.8 134.1 201.1
 98 62.4 49.9 74.9





#13

Acrolein

Concen: 267.274 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

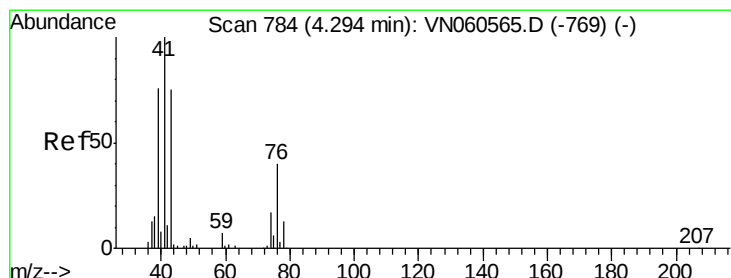
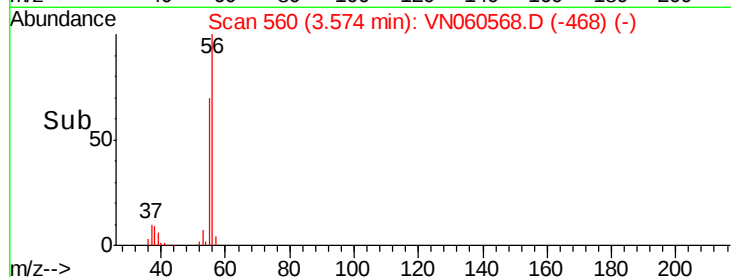
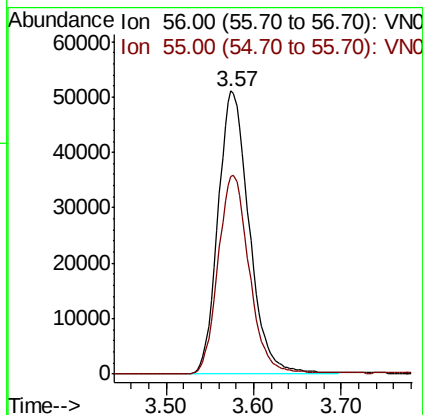
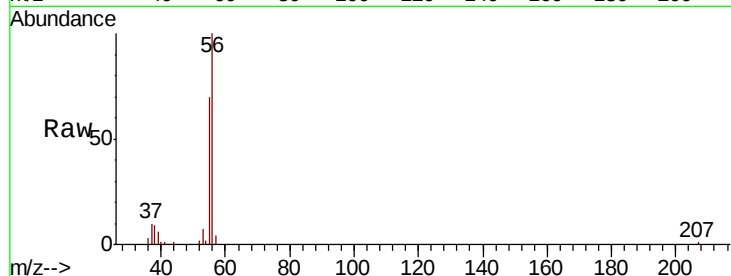
ICVVN031820

Tot Ion: 56 Resp: 126562

Ion Ratio Lower Upper

56 100

55 70.3 56.7 85.1



#14

Allyl chloride

Concen: 50.548 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

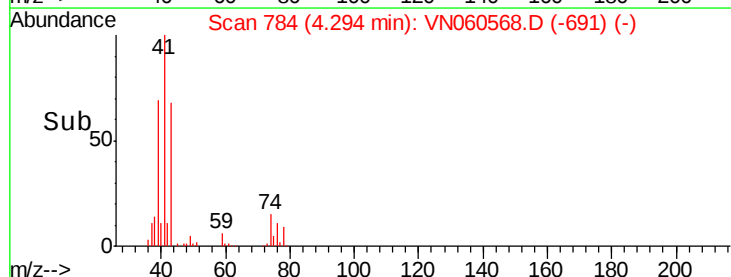
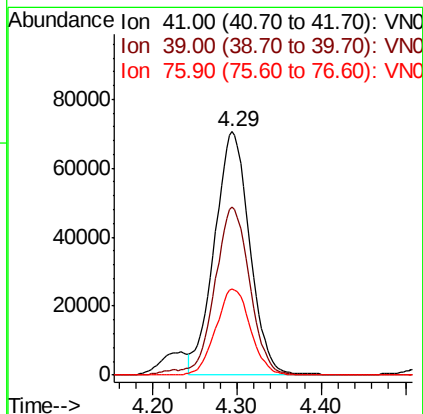
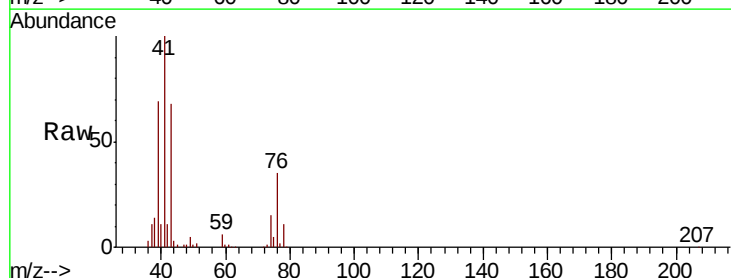
Tgt Ion: 41 Resp: 203702

Ion Ratio Lower Upper

41 100

39 67.9 57.8 86.8

76 35.0 28.6 43.0





#15

Acrylonitrile

Concen: 265.810 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

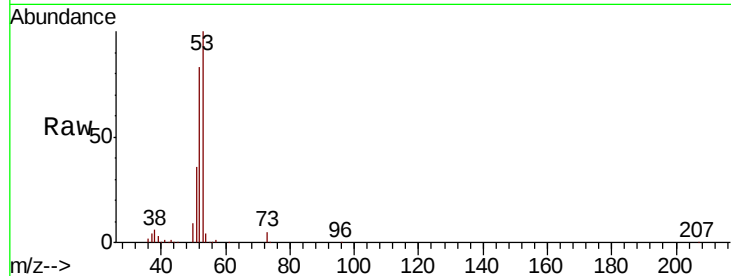
Tot Ion: 53 Resp: 333962

Ion Ratio Lower Upper

53 100

52 83.1 66.2 99.4

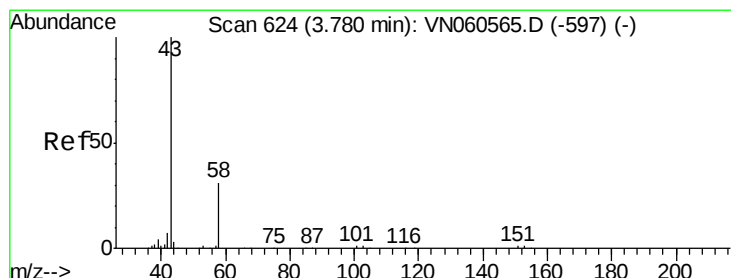
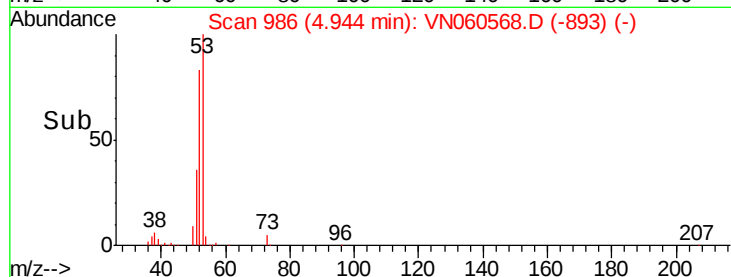
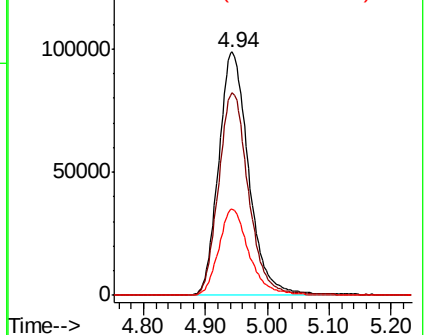
51 35.8 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060565.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060565.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060565.D (-964) (-)



#16

Acetone

Concen: 257.018 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060568.D

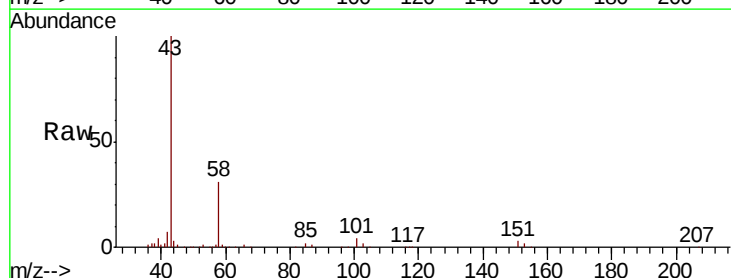
Acq: 17 Mar 2020 20:21

Tgt Ion: 43 Resp: 264490

Ion Ratio Lower Upper

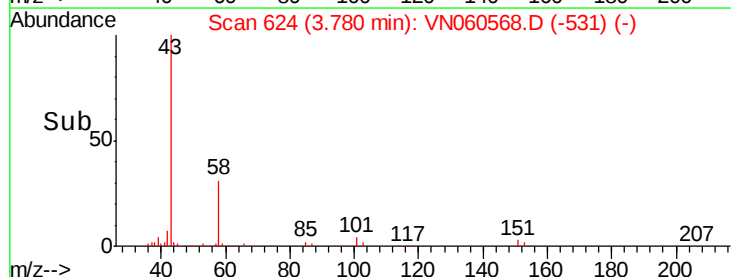
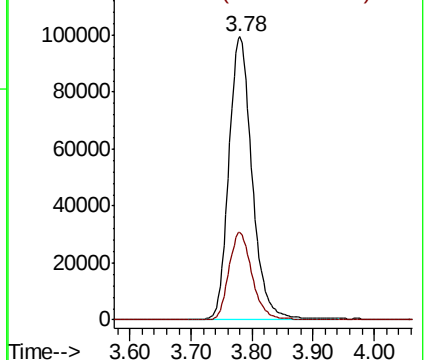
43 100

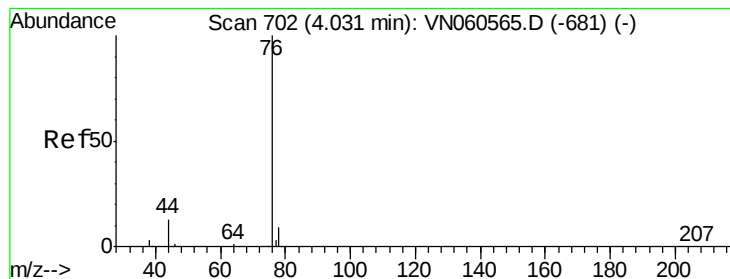
58 30.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)





#17

Carbon Disulfide

Concen: 52.739 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

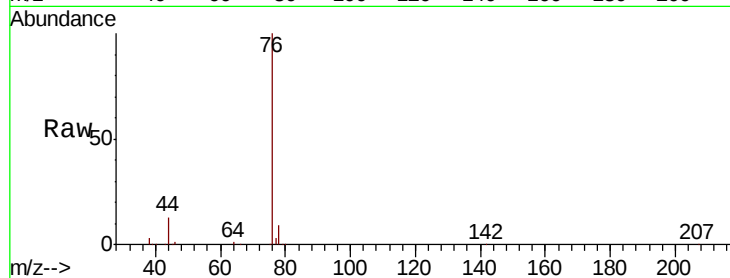
ICVVN031820

Tot Ion: 76 Resp: 367511

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060568.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060568.D (-609) (-)

4.03

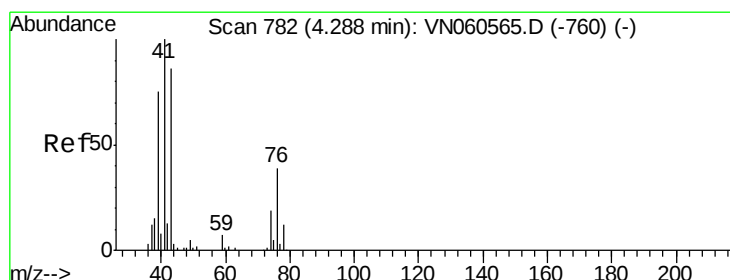
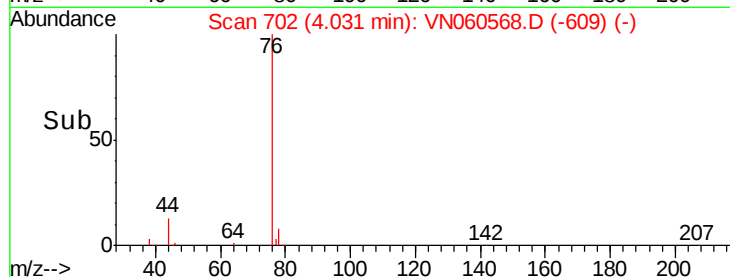
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.586 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060568.D

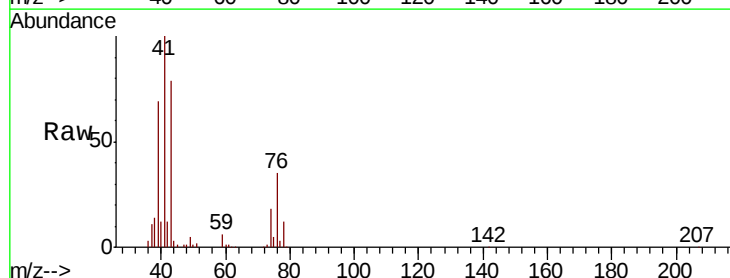
Acq: 17 Mar 2020 20:21

Tgt Ion: 43 Resp: 146525

Ion Ratio Lower Upper

43 100

74 22.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060568.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060568.D (-689) (-)

4.29

60000

50000

40000

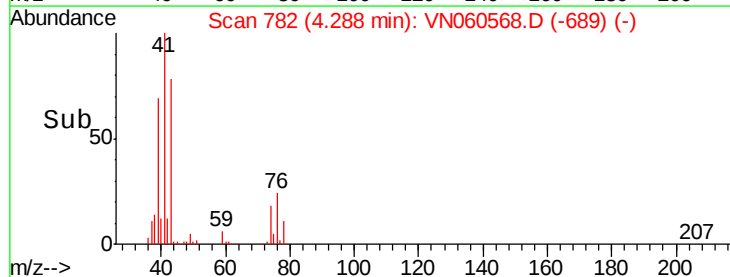
30000

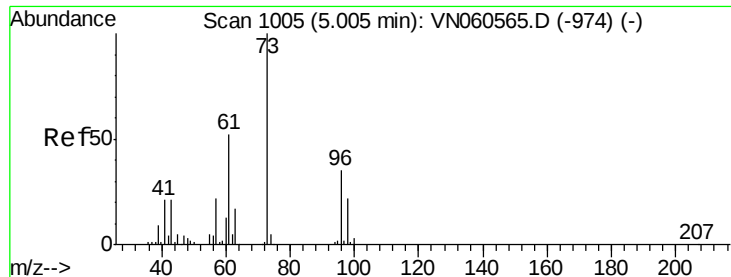
20000

10000

0

Time-->

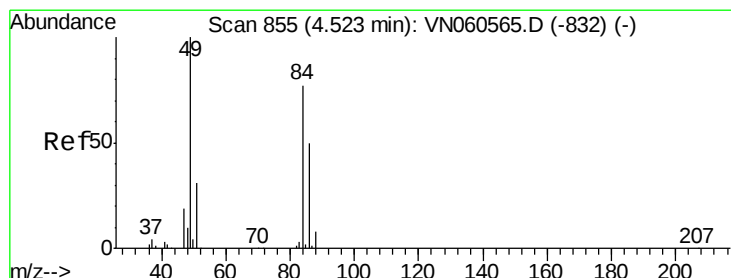
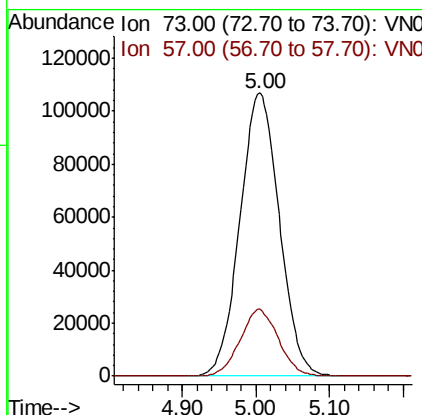
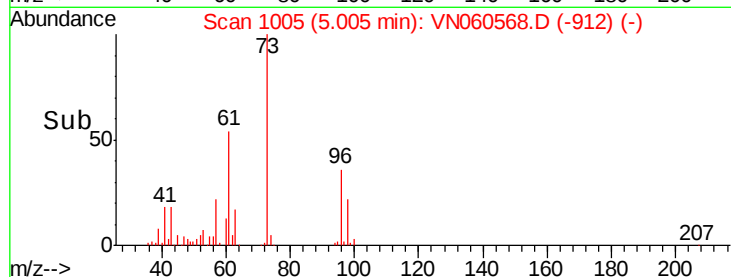
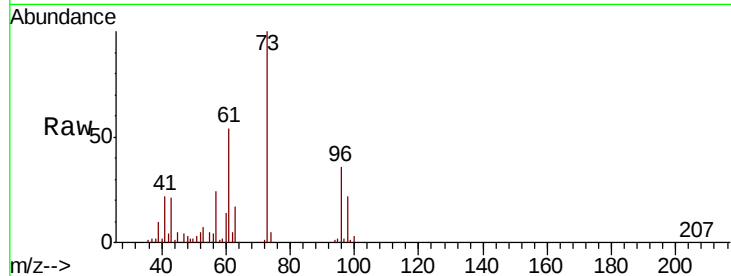




#19
Methyl tert-butyl Ether
Concen: 50.528 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

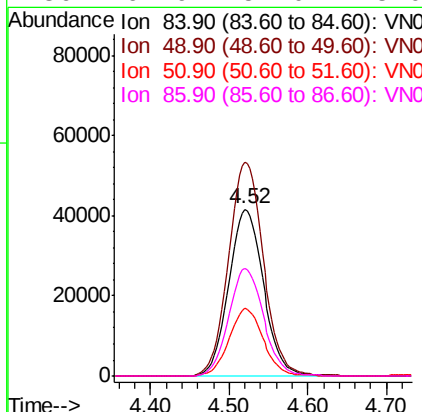
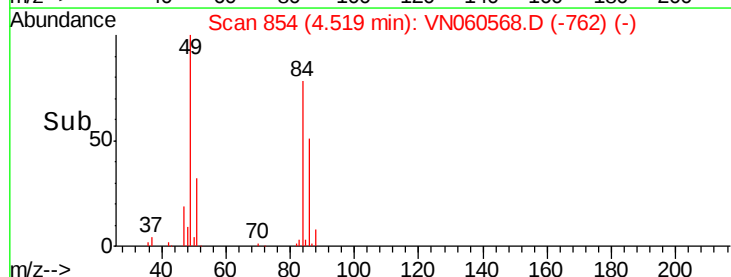
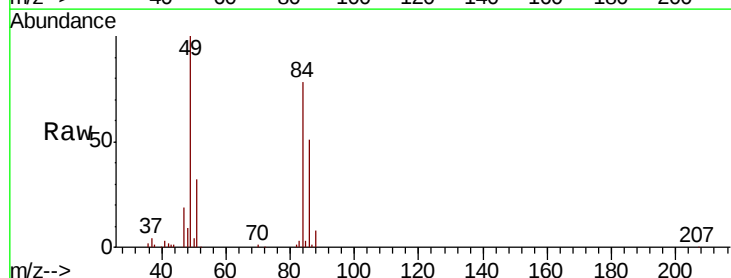
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion: 73 Resp: 398039
Ion Ratio Lower Upper
73 100
57 23.5 17.5 26.3



#20
Methylene Chloride
Concen: 50.724 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion: 84 Resp: 128406
Ion Ratio Lower Upper
84 100
49 128.1 103.3 154.9
51 40.4 31.6 47.4
86 64.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 51.100 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

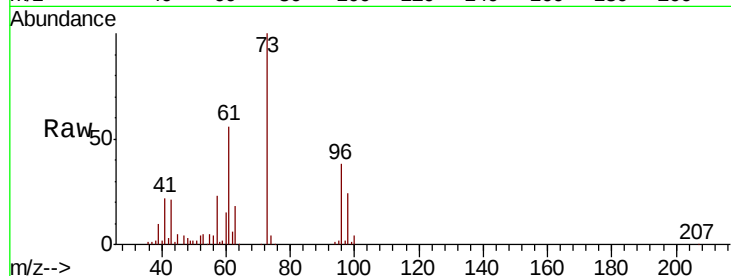
Tot Ion: 96 Resp: 124785

Ion Ratio Lower Upper

96 100

61 145.2 114.4 171.6

98 62.0 48.4 72.6

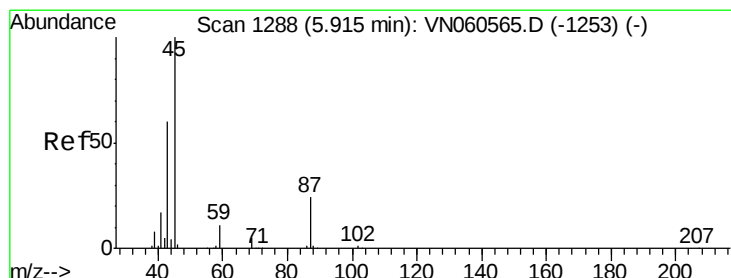
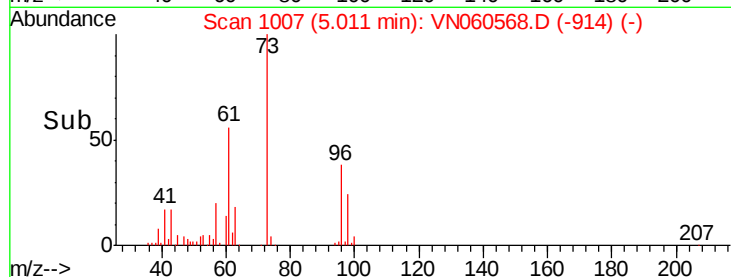
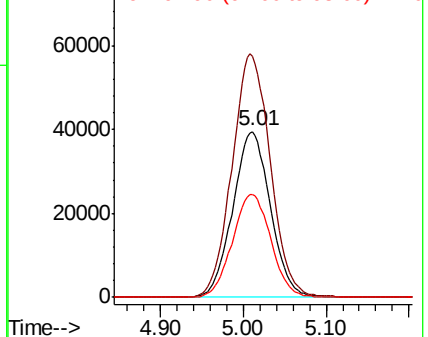


Abundance

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: 51.708 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion: 45 Resp: 440232

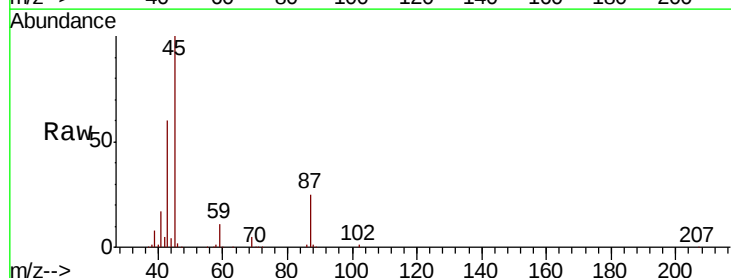
Ion Ratio Lower Upper

45 100

43 59.4 49.8 74.8

87 25.3 20.1 30.1

59 11.3 9.2 13.8



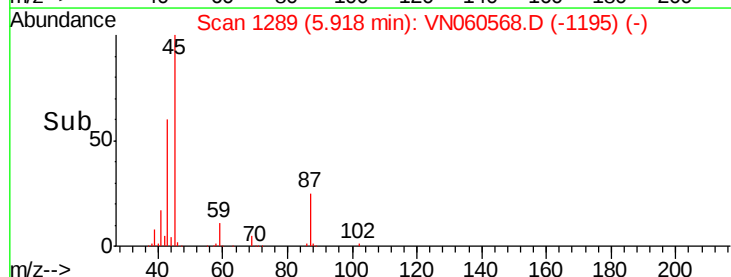
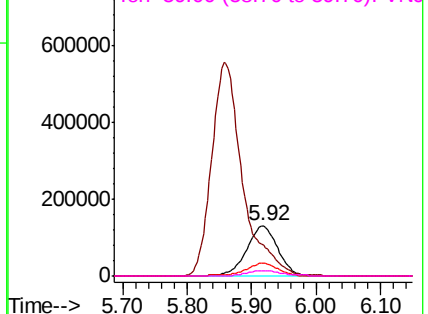
Abundance

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: 268.094 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

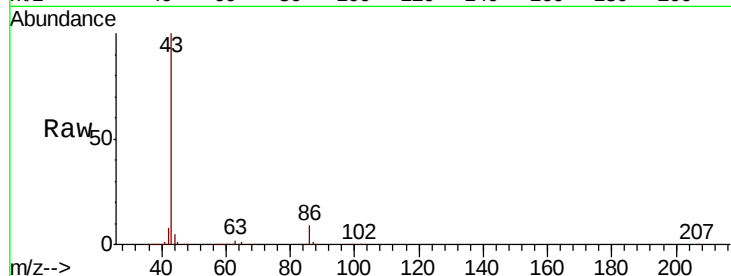
ICVVN031820

Tot Ion: 43 Resp: 1862337

Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060565.D (-1246) (-)

5.86

600000

500000

400000

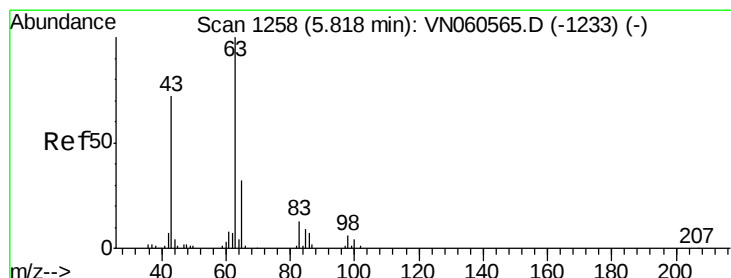
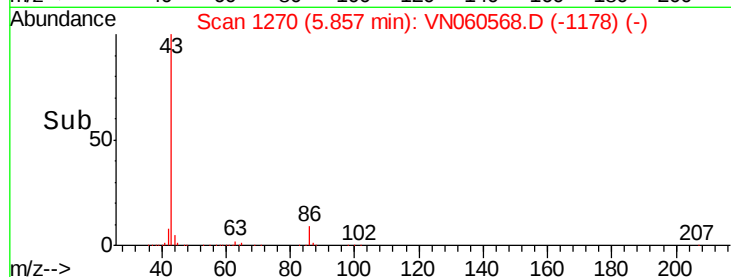
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.637 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

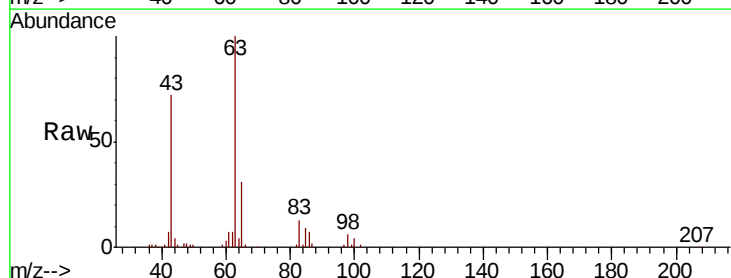
Tgt Ion: 63 Resp: 239664

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060565.D (-1233) (-)

5.82

100000

80000

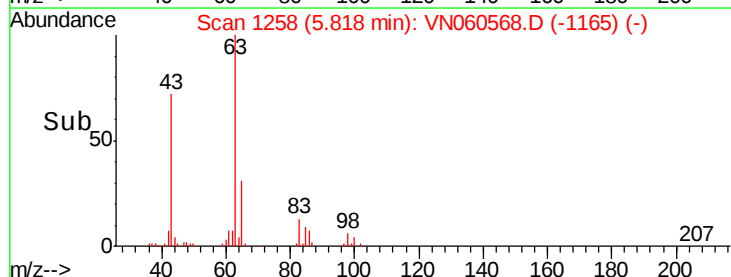
60000

40000

20000

0

Time-->

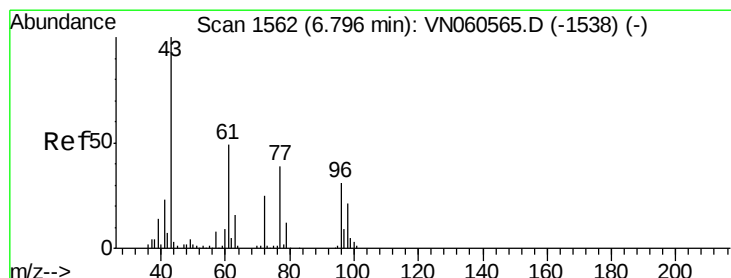
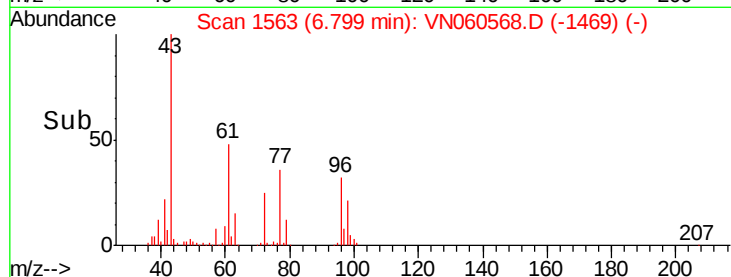
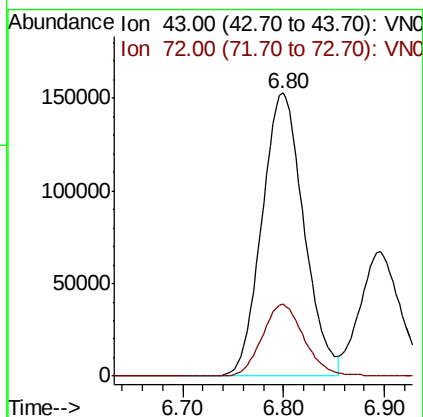
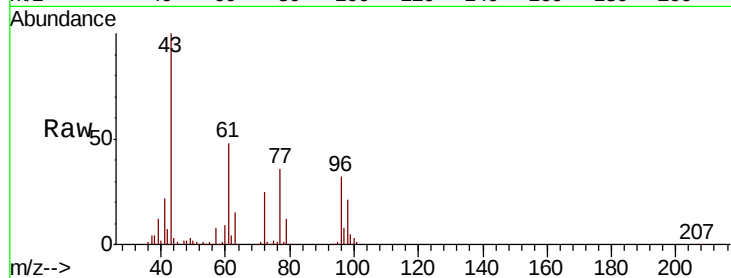




#25
 2-Butanone
 Concen: 265.370 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

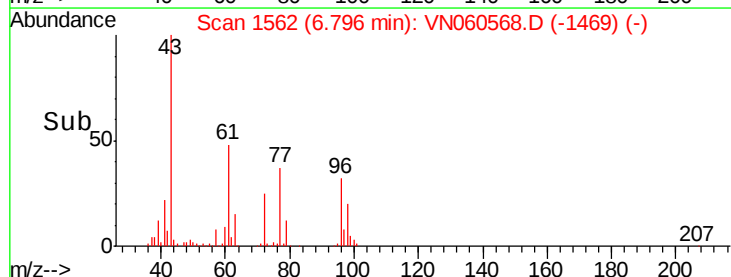
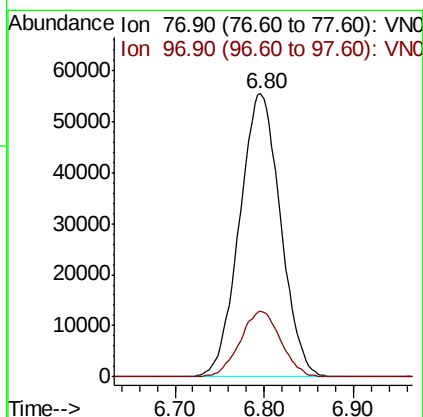
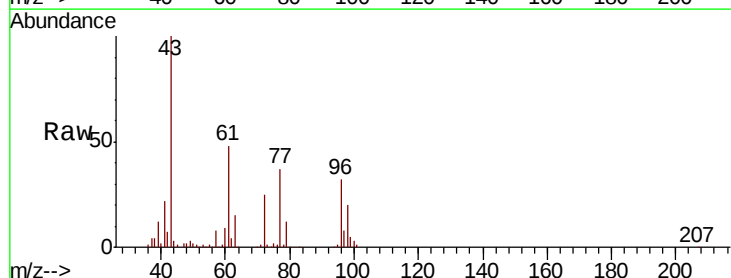
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion: 43 Resp: 441898
 Ion Ratio Lower Upper
 43 100
 72 25.3 20.4 30.6



#26
 2,2-Dichloropropane
 Concen: 48.488 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion: 77 Resp: 177065
 Ion Ratio Lower Upper
 77 100
 97 23.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 51.222 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

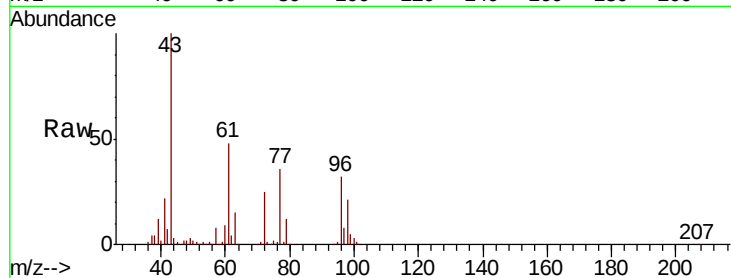
Tot Ion: 96 Resp: 142142

Ion Ratio Lower Upper

96 100

61 152.1 0.0 305.6

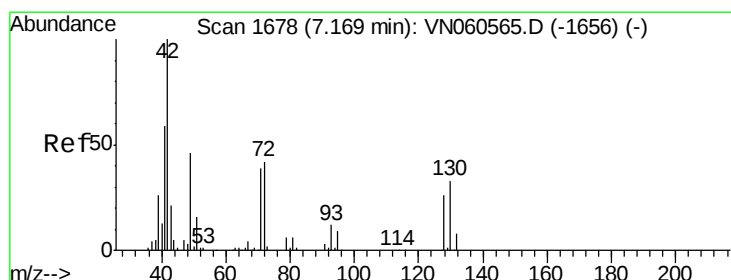
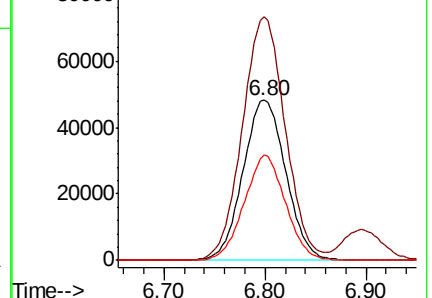
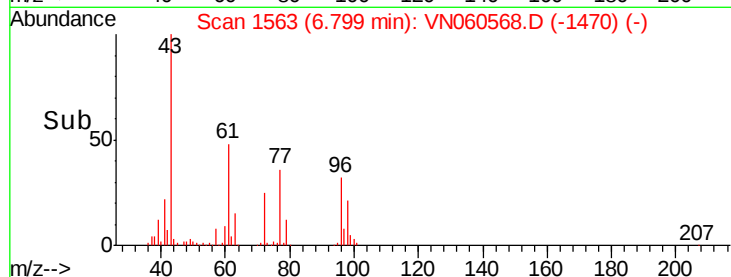
98 63.3 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 52.138 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

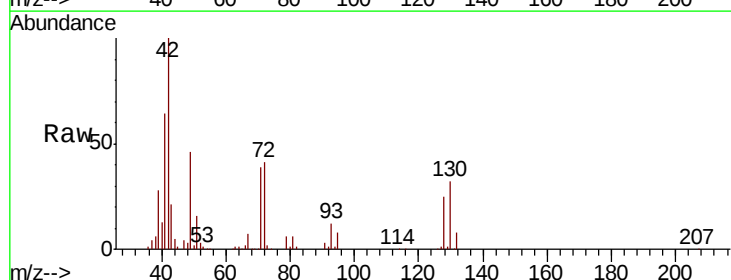
Tgt Ion: 49 Resp: 115777

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

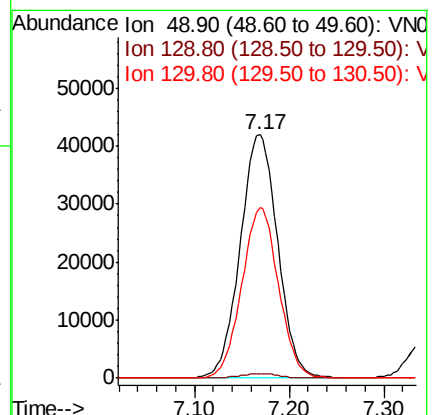
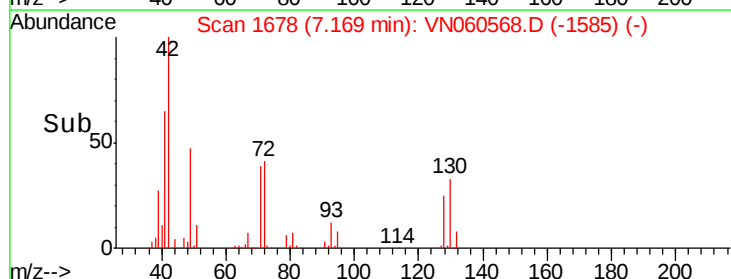
130 68.5 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

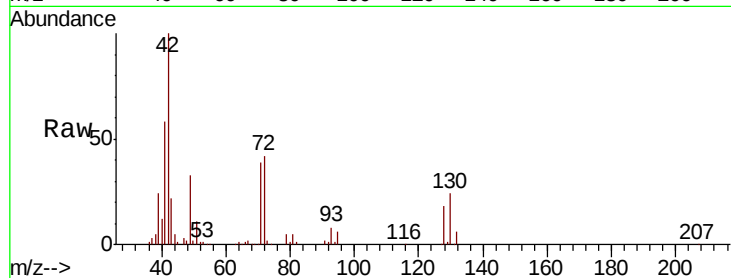




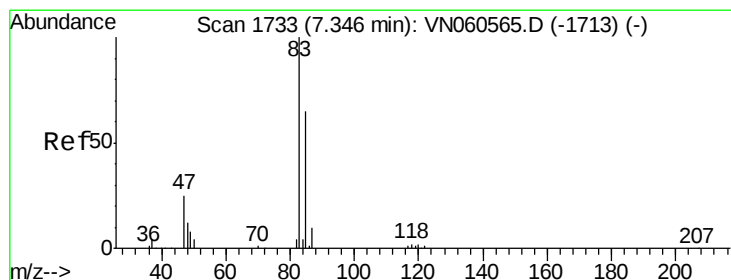
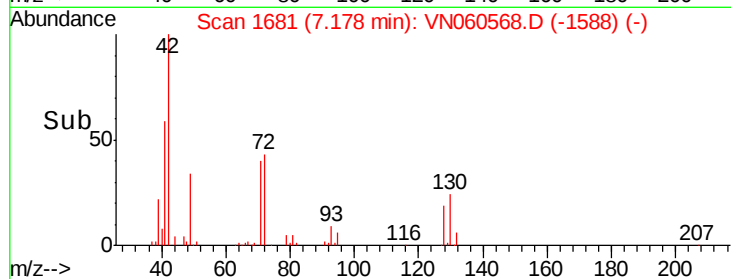
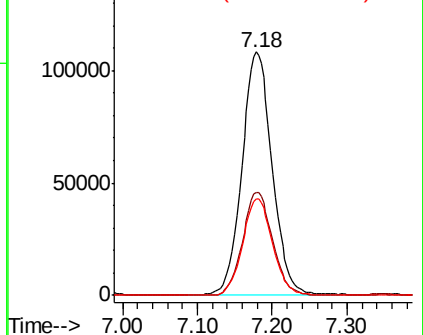
#29
Tetrahydrofuran
Concen: 259.093 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion: 42 Resp: 305265
Ion Ratio Lower Upper
42 100
72 41.7 33.2 49.8
71 39.1 31.1 46.7

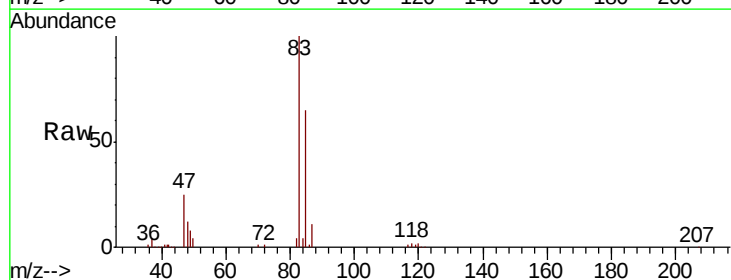


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

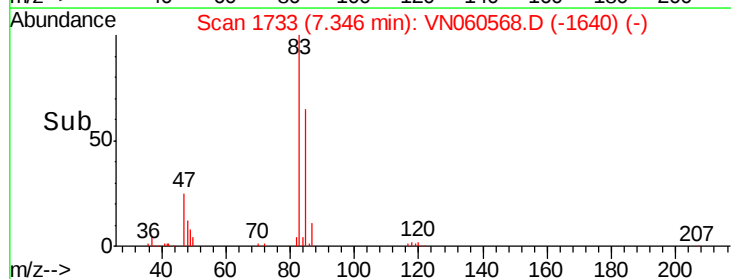
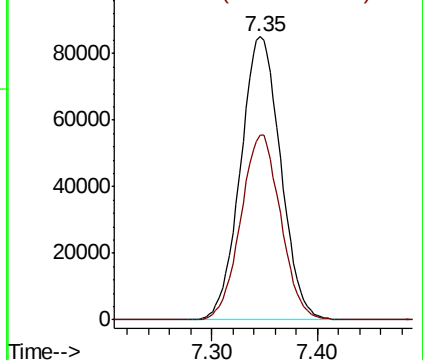


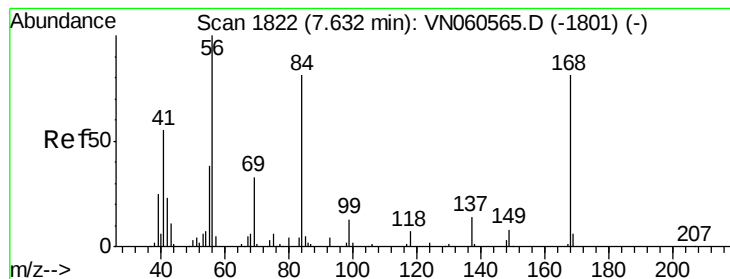
#30
Chloroform
Concen: 50.534 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion: 83 Resp: 224849
Ion Ratio Lower Upper
83 100
85 65.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.998 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

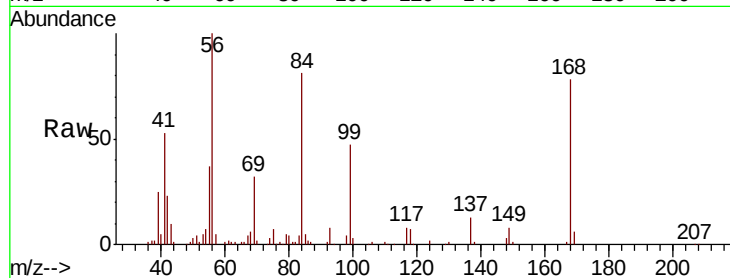
Tot Ion: 56 Resp: 229266

Ion Ratio Lower Upper

56 100

69 32.0 26.6 40.0

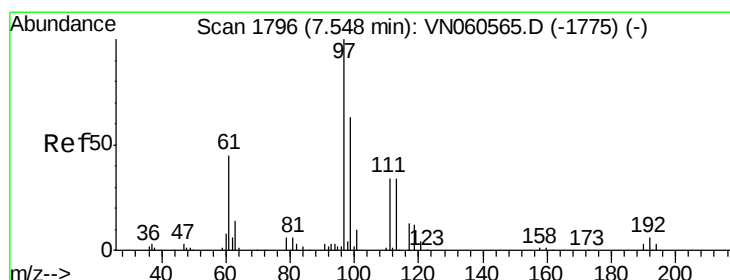
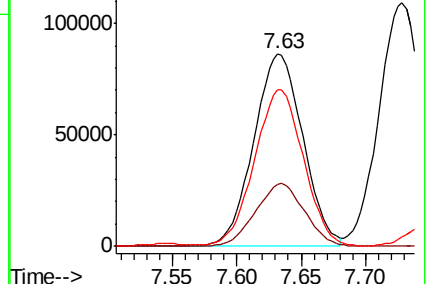
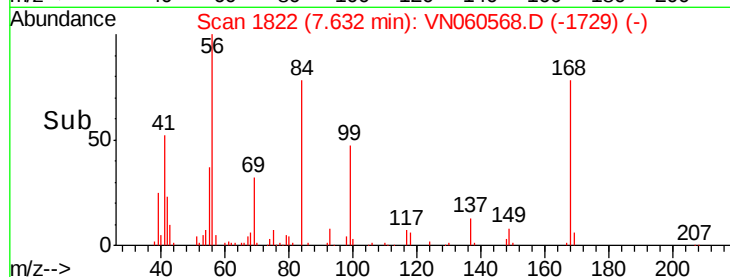
84 80.4 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060568.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060568.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060568.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 51.316 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

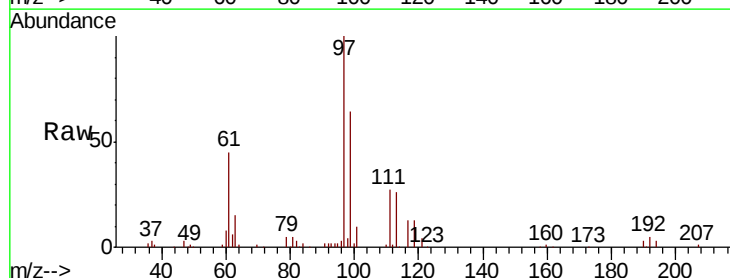
Tgt Ion: 97 Resp: 196836

Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

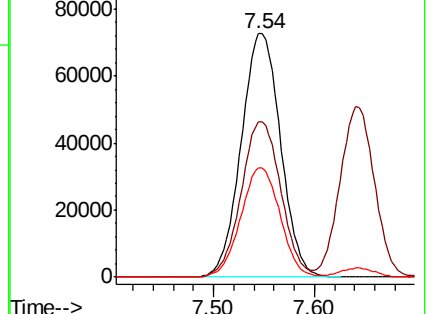
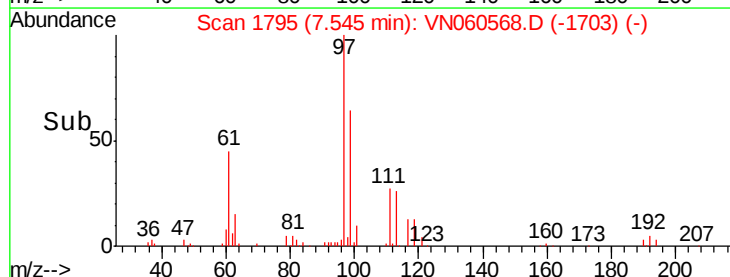
61 44.8 36.2 54.4

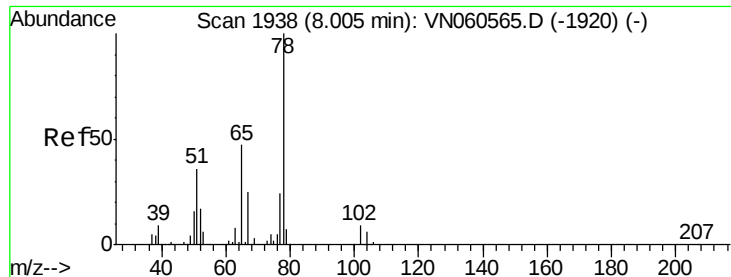


Abundance Ion 96.90 (96.60 to 97.60): VN060568.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060568.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060568.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.169 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

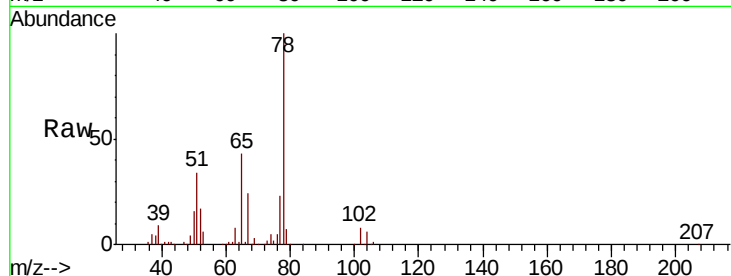
ICVVN031820

Tot Ion: 65 Resp: 142843

Ion Ratio Lower Upper

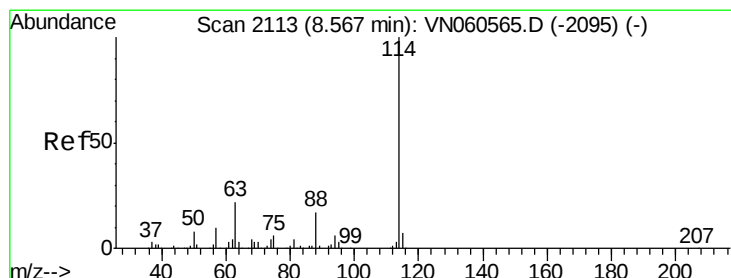
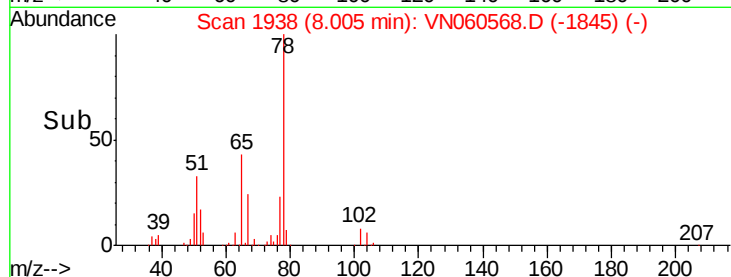
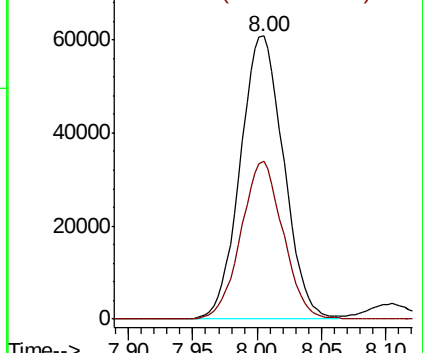
65 100

67 54.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060568.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060568.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

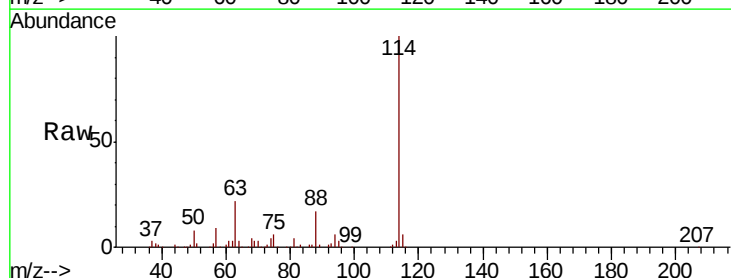
Tgt Ion: 114 Resp: 359514

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

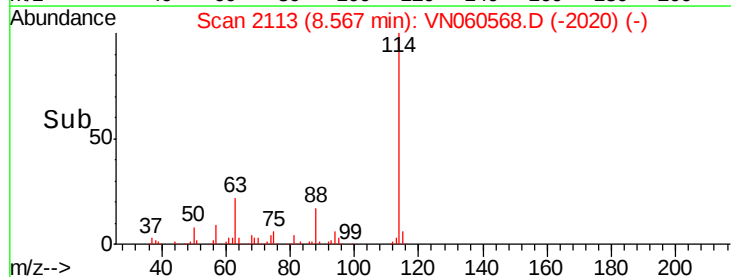
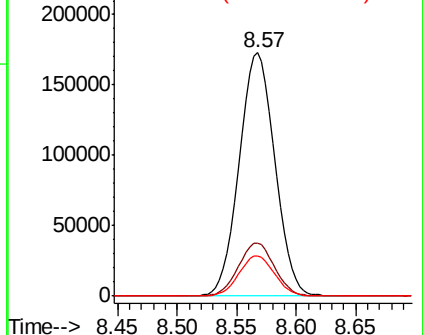
88 16.6 0.0 33.0

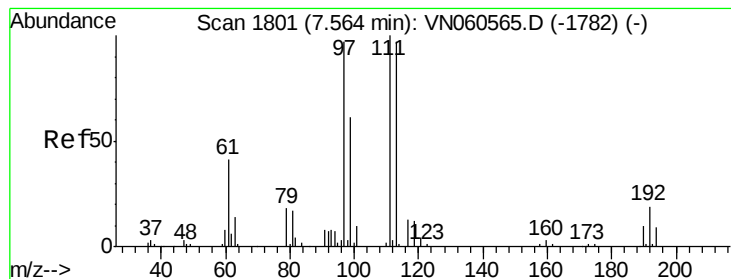


Abundance Ion 113.90 (113.60 to 114.60): VN060568.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060568.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060568.D (-2020) (-)





#35

Dibromofluoromethane

Concen: 49.139 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

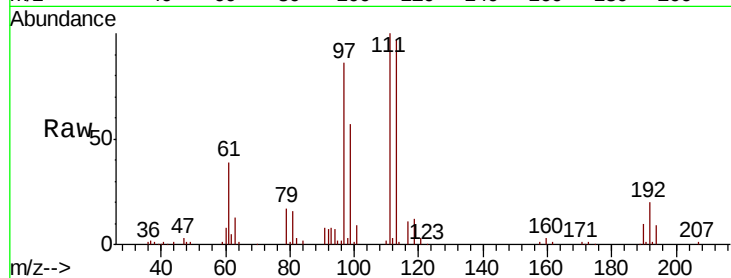
Tot Ion:113 Resp: 106821

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

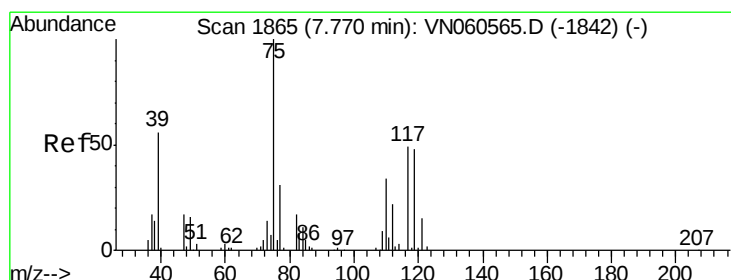
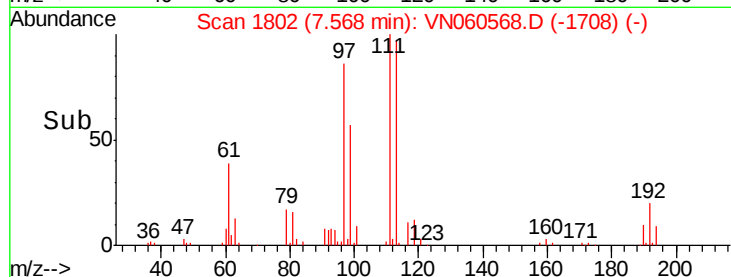
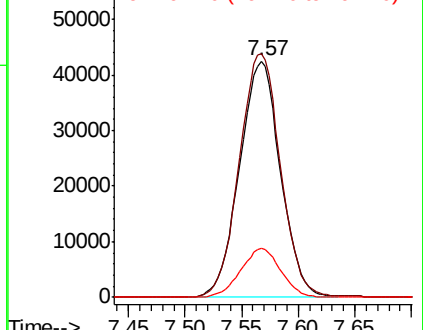
192 20.2 15.8 23.8



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: 51.833 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

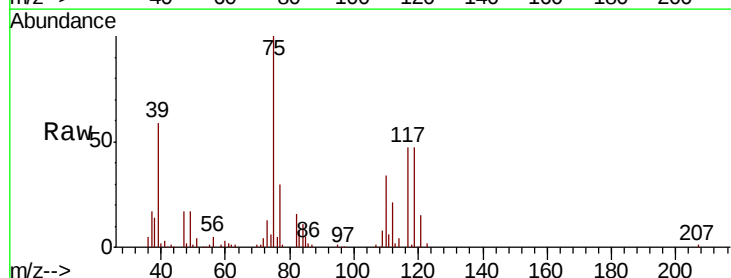
Tgt Ion: 75 Resp: 180443

Ion Ratio Lower Upper

75 100

110 33.9 16.9 50.6

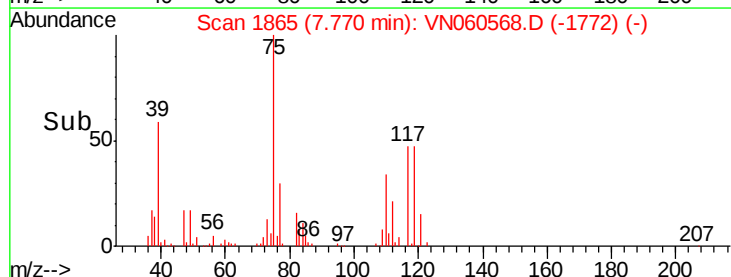
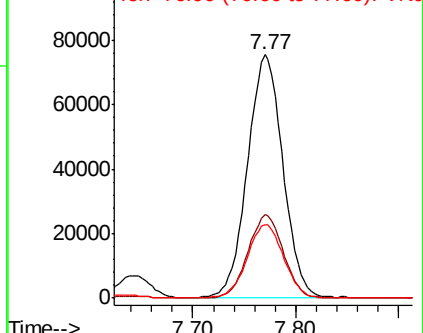
77 31.0 24.6 36.8

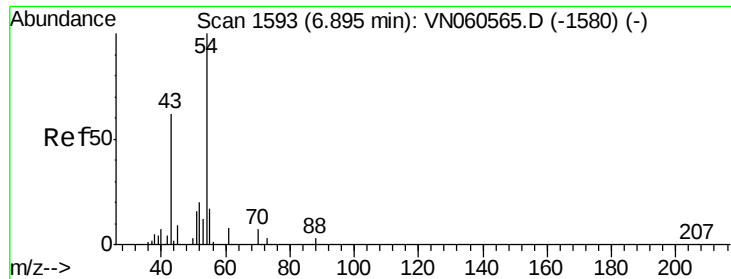


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

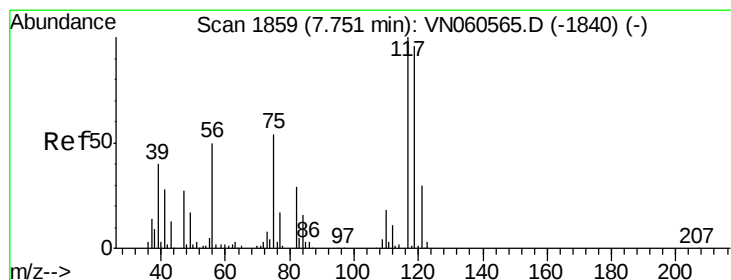
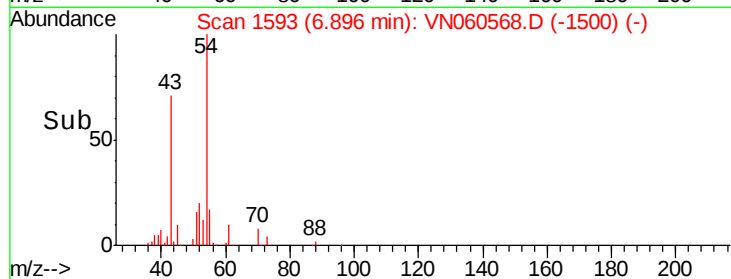
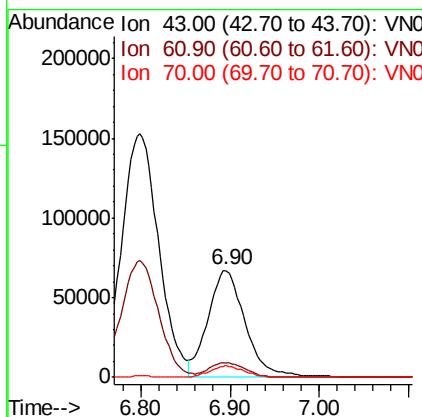
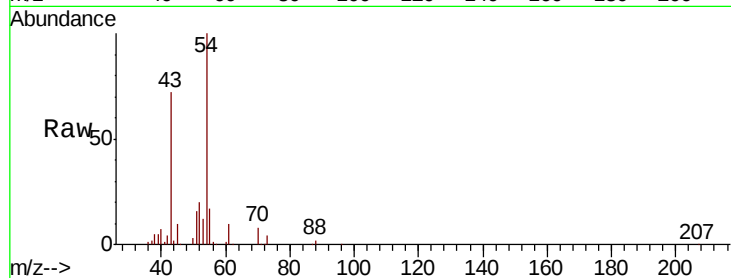




#37
Ethyl Acetate
Concen: 51.112 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

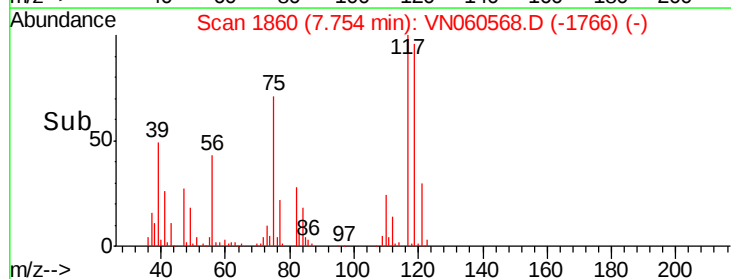
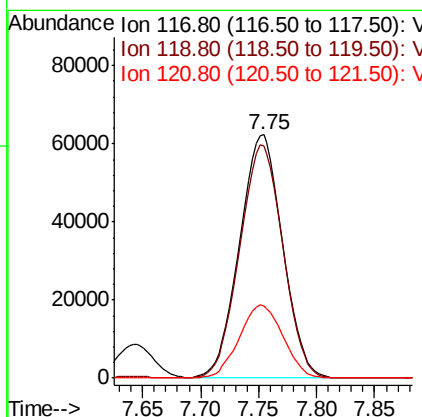
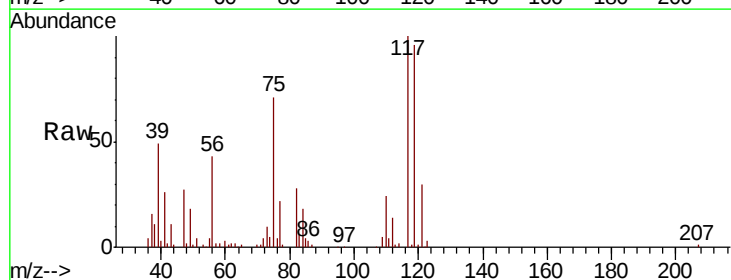
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

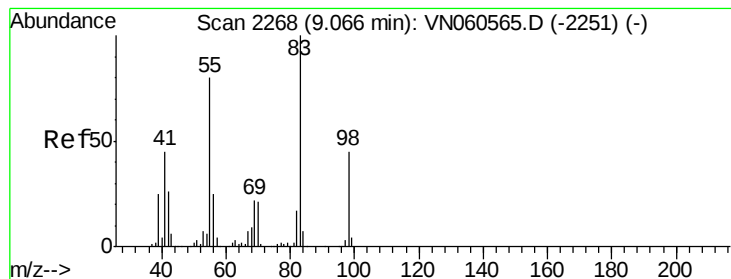
Tot Ion	43	Resp	192257
Ion Ratio	Lower	Upper	
43	100		
61	13.6	10.6	15.8
70	10.1	7.9	11.9



#38
Carbon Tetrachloride
Concen: 51.600 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	117	Resp	160994
Ion Ratio	Lower	Upper	
117	100		
119	95.5	76.2	114.2
121	29.5	23.7	35.5





#39

Methvlcvclohexane

Concen: 50.517 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

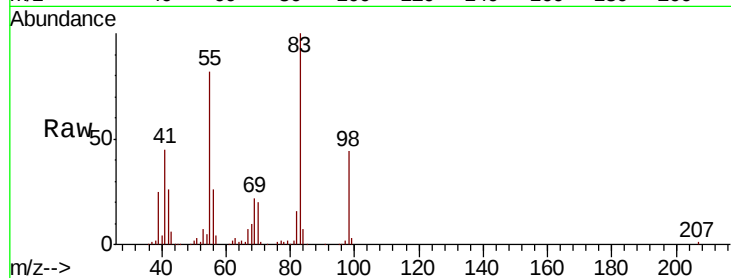
Tot Ion: 83 Resp: 208990

Ion Ratio Lower Upper

83 100

55 82.3 63.6 95.4

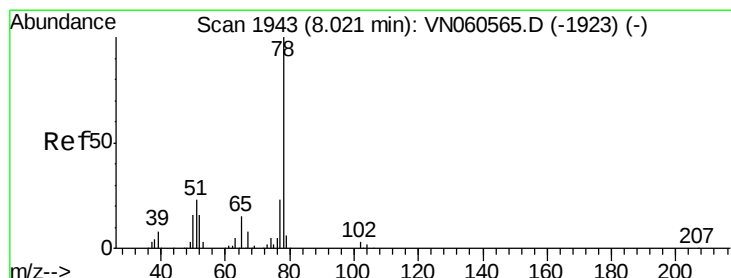
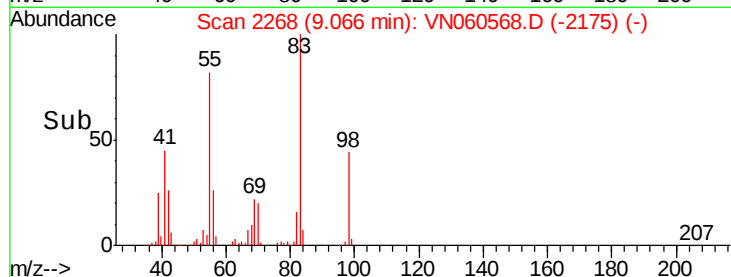
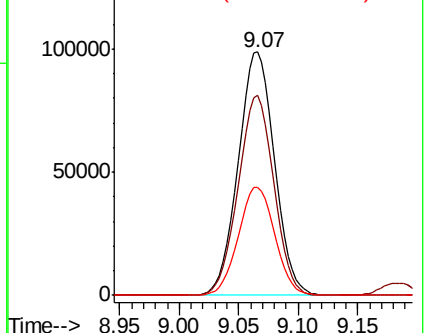
98 44.4 36.0 54.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 50.593 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN060568.D

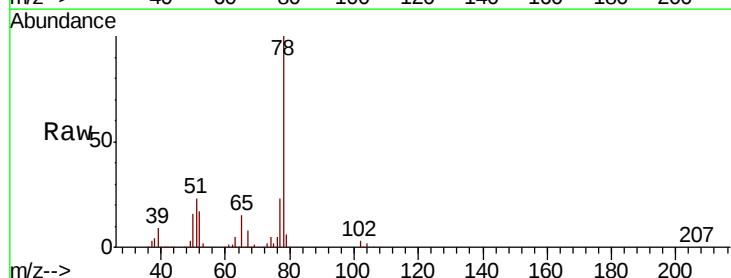
Acq: 17 Mar 2020 20:21

Tgt Ion: 78 Resp: 531681

Ion Ratio Lower Upper

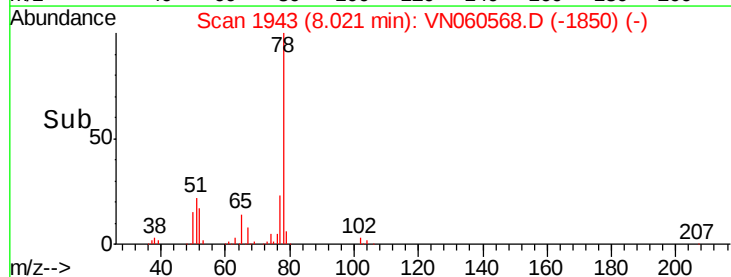
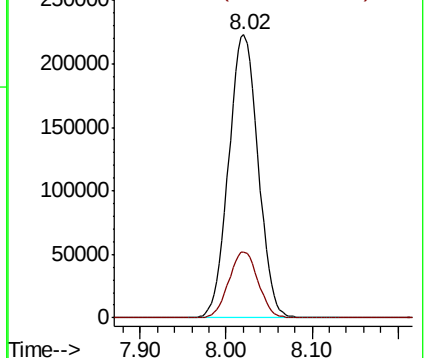
78 100

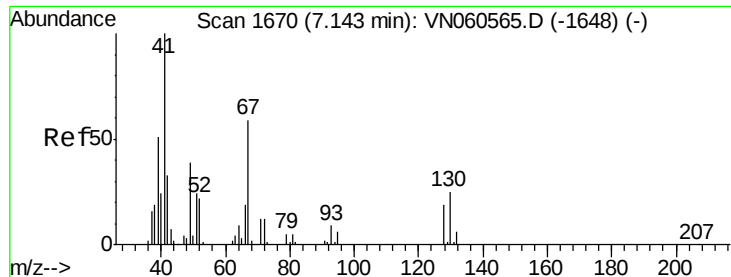
77 23.2 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

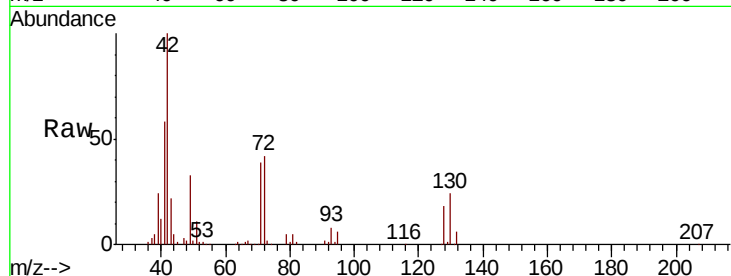




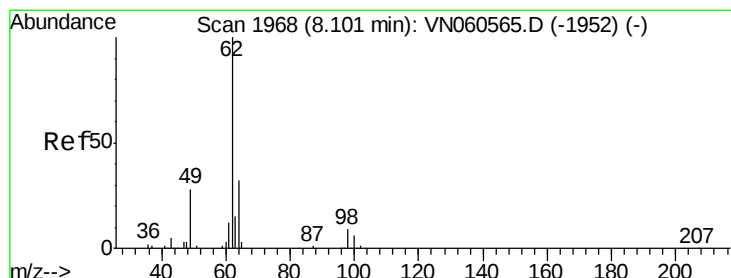
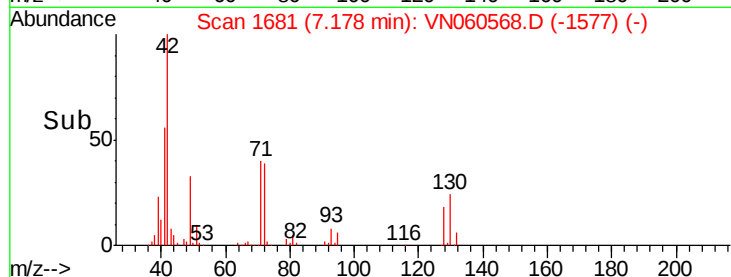
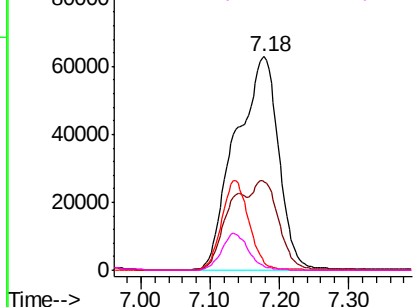
#41
Methacrylonitrile
Concen: 169.841 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.04 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion:	41	Resp:	272648
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

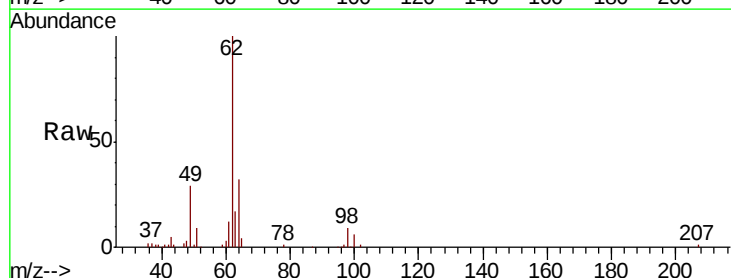


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

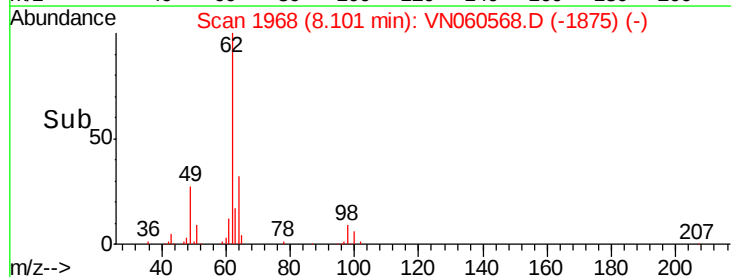
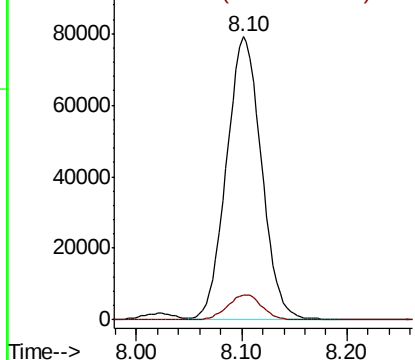


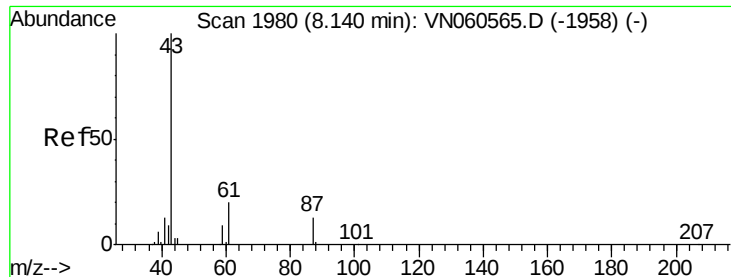
#42
1,2-Dichloroethane
Concen: 50.777 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion:	62	Resp:	182362
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 51.265 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

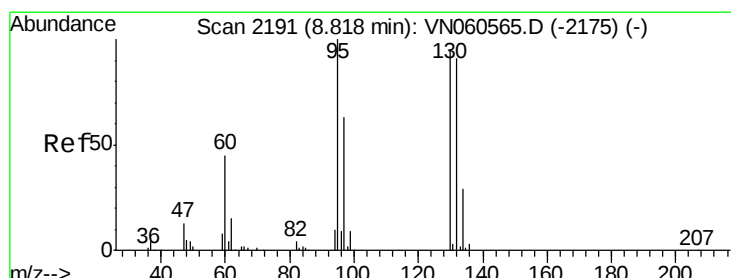
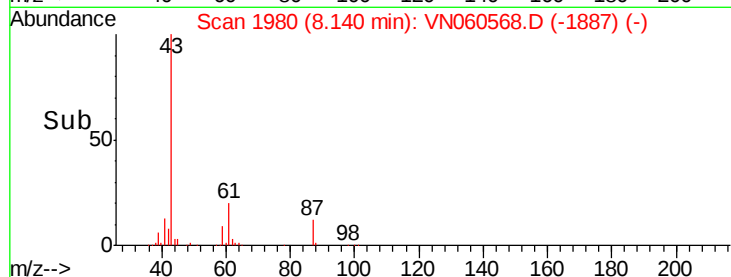
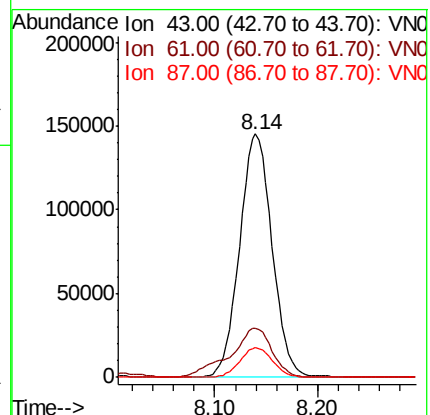
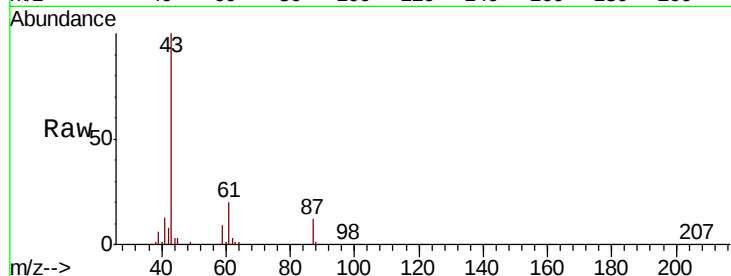
Tot Ion: 43 Resp: 318019

Ion Ratio Lower Upper

43 100

61 26.3 20.7 31.1

87 12.3 9.8 14.8



#44

Trichloroethene

Concen: 51.824 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060568.D

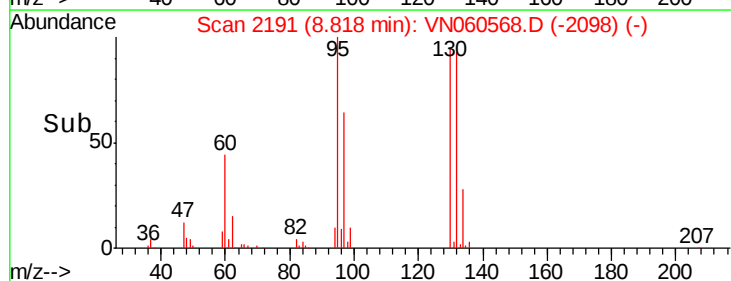
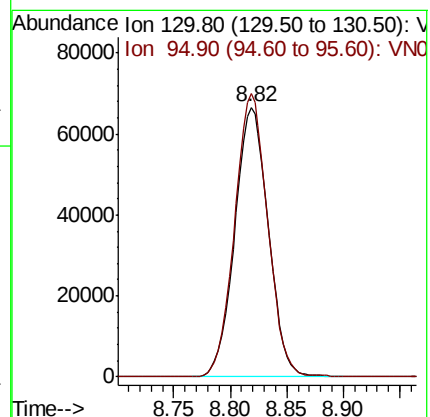
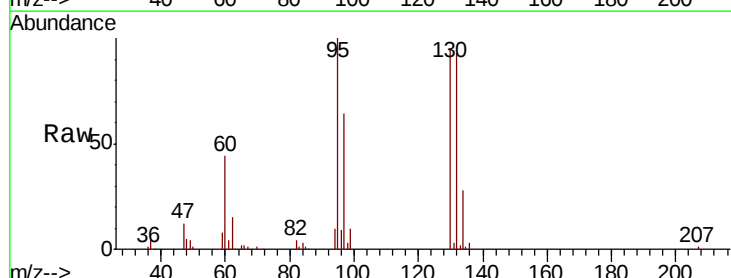
Acq: 17 Mar 2020 20:21

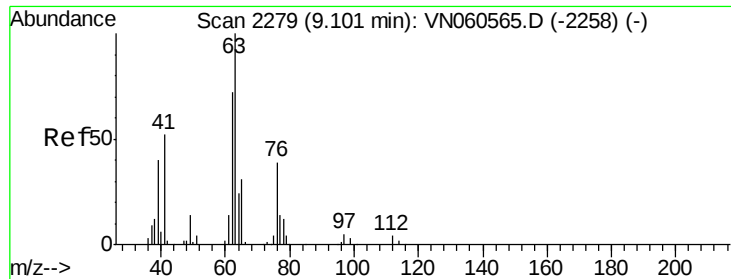
Tgt Ion: 130 Resp: 137292

Ion Ratio Lower Upper

130 100

95 104.9 0.0 211.2





#45

1,2-Dichloropropane

Concen: 51.243 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

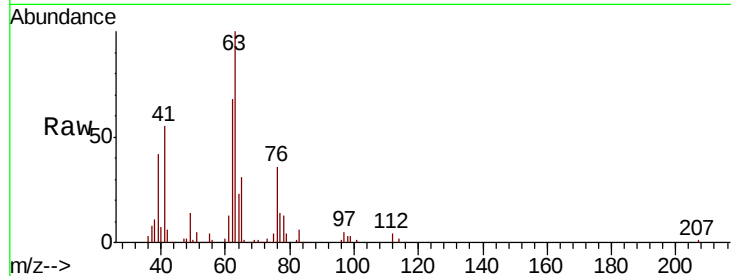
ICVVN031820

Tot Ion: 63 Resp: 142096

Ion Ratio Lower Upper

63 100

65 31.1 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

80000

60000

40000

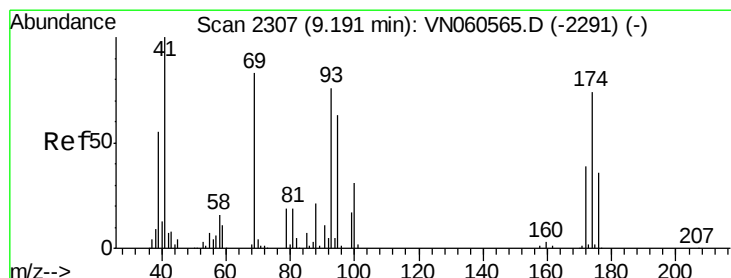
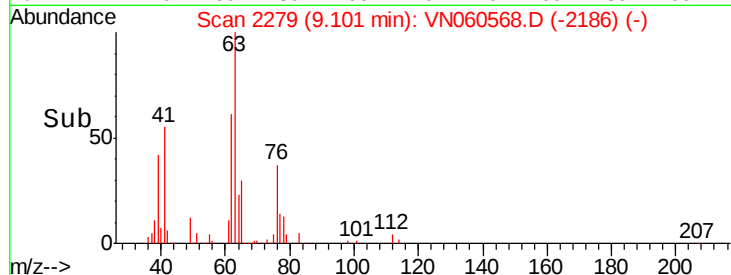
20000

0

9.10

9.05 9.10 9.15 9.20

Time-->



#46

Dibromomethane

Concen: 51.495 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

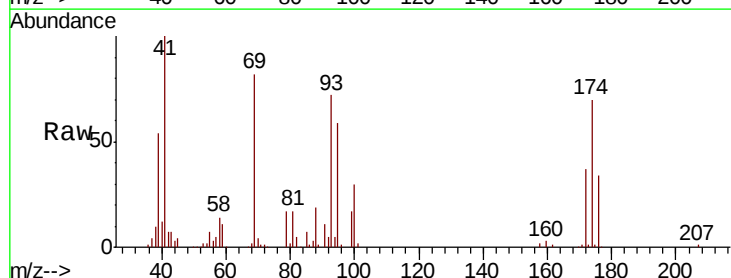
Tgt Ion: 93 Resp: 86328

Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

174 97.8 77.9 116.9



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

50000

40000

30000

20000

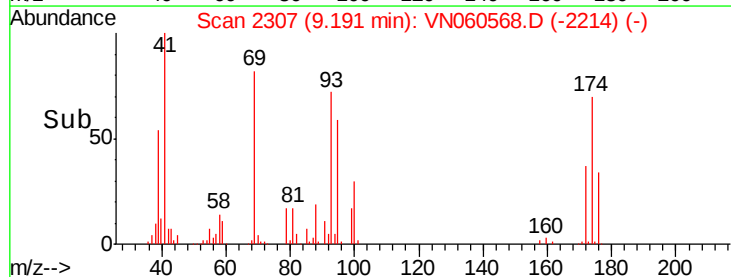
10000

0

9.19

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 51.369 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

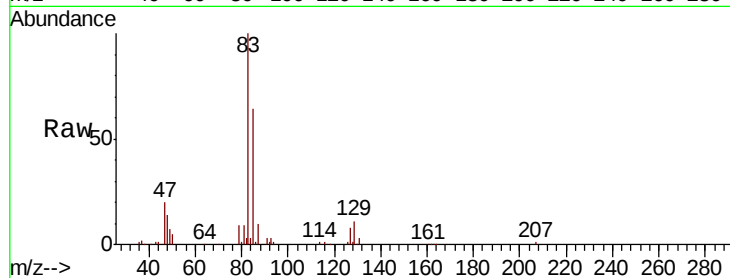
Tot Ion: 83 Resp: 178951

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.6

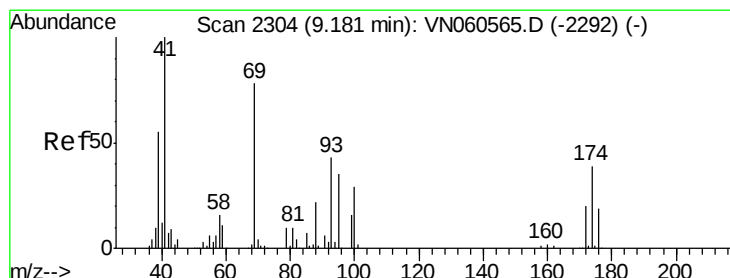
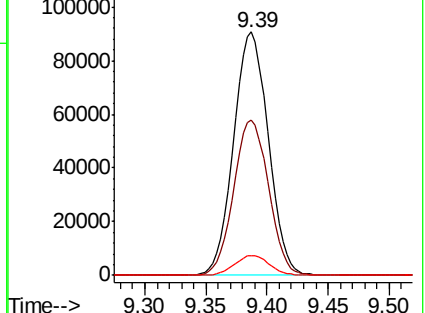
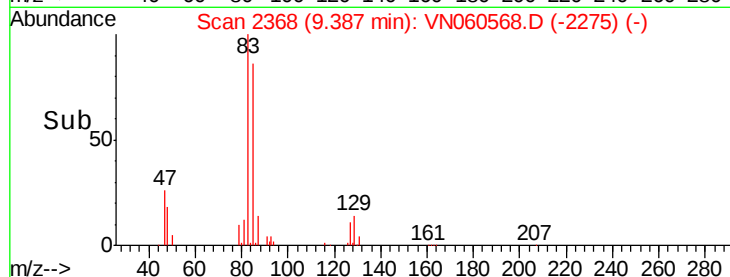
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060568.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060568.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060568.D (-2275) (-)



#48

Methyl methacrylate

Concen: 51.726 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

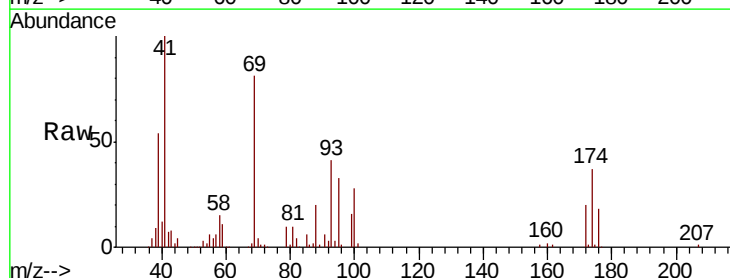
Tgt Ion: 41 Resp: 142864

Ion Ratio Lower Upper

41 100

69 83.9 65.4 98.0

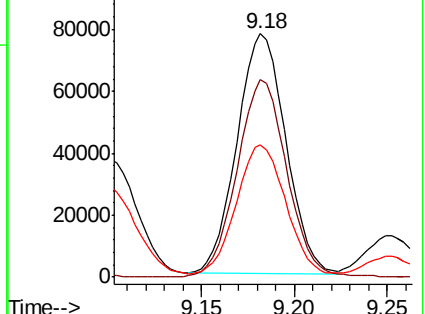
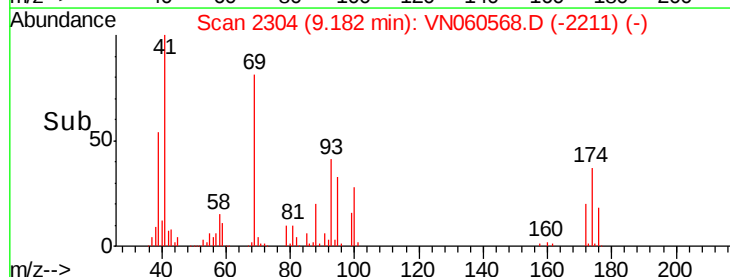
39 56.9 44.0 66.0

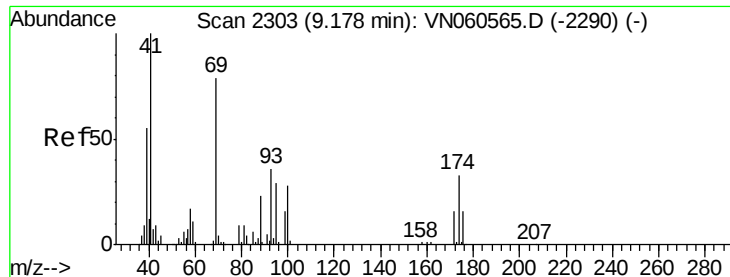


Abundance Ion 41.00 (40.70 to 41.70): VN060568.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060568.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060568.D (-2211) (-)

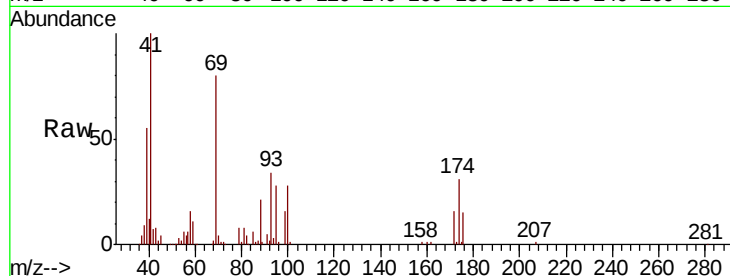




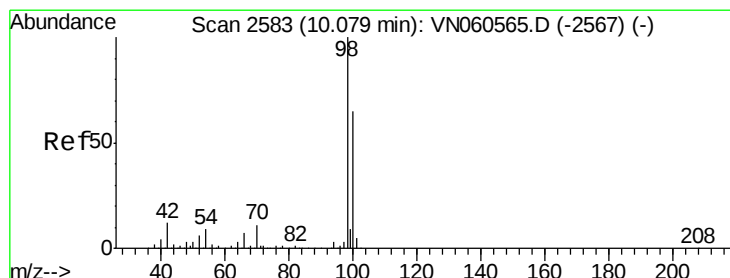
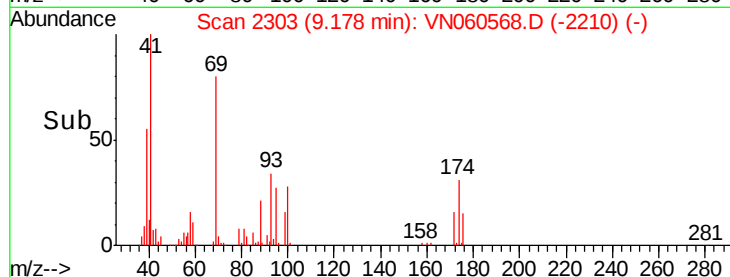
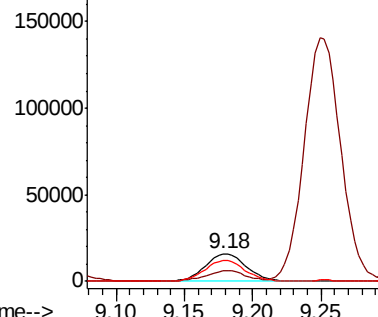
#49
1,4-Dioxane
Concen: 1005.234 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion: 88 Resp: 33001
Ion Ratio Lower Upper
88 100
43 39.0 30.8 46.2
58 75.6 59.8 89.8

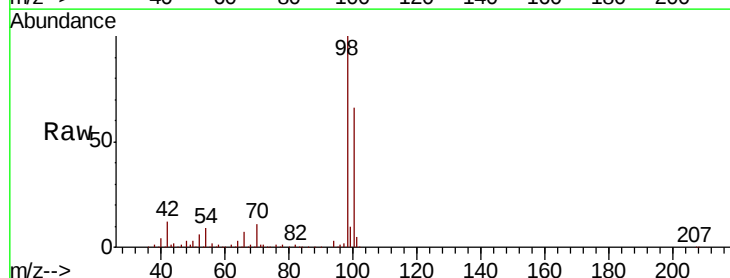


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

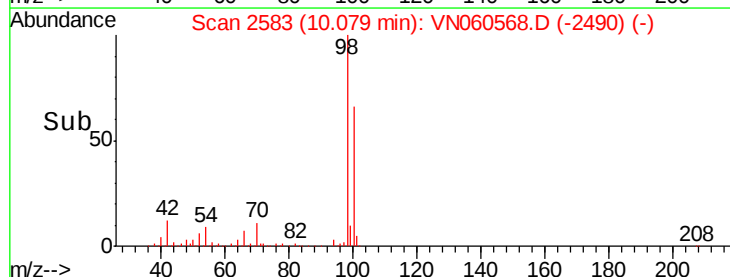
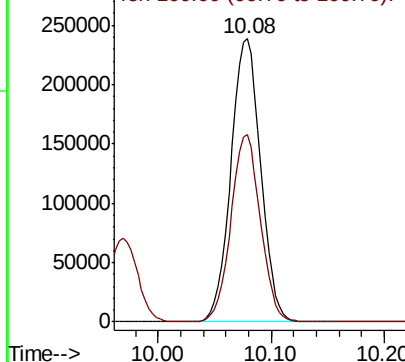


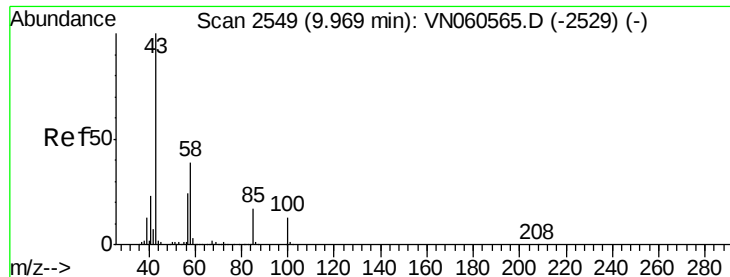
#50
Toluene-d8
Concen: 49.297 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion: 98 Resp: 437732
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 263.939 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

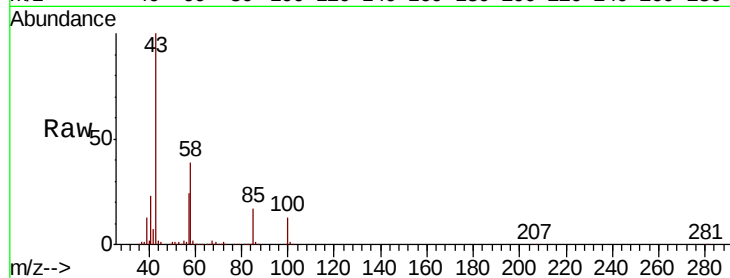
ICVVN031820

Tot Ion: 43 Resp: 931717

Ion Ratio Lower Upper

43 100

58 38.8 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

500000

400000

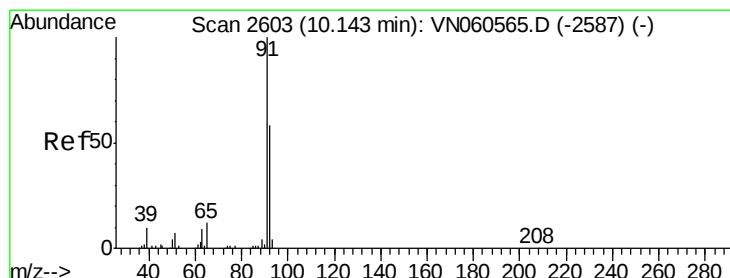
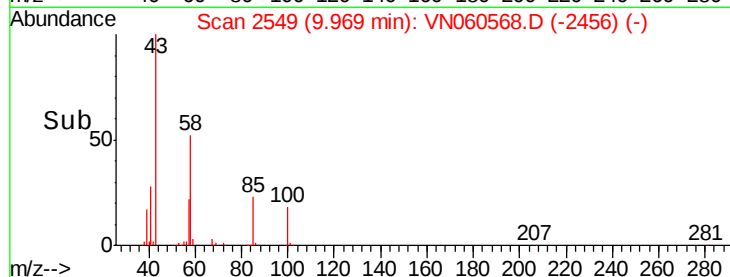
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.482 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060568.D

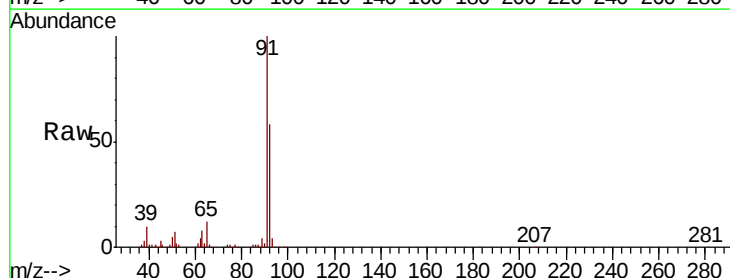
Acq: 17 Mar 2020 20:21

Tgt Ion: 92 Resp: 326737

Ion Ratio Lower Upper

92 100

91 171.8 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

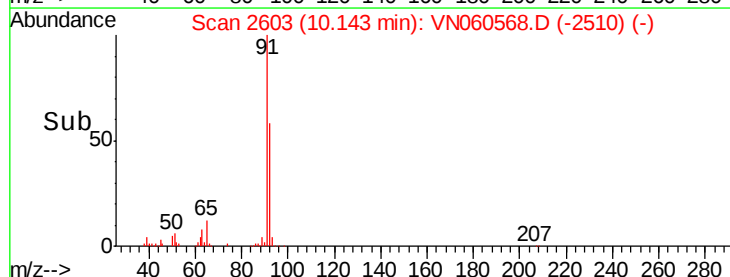
300000

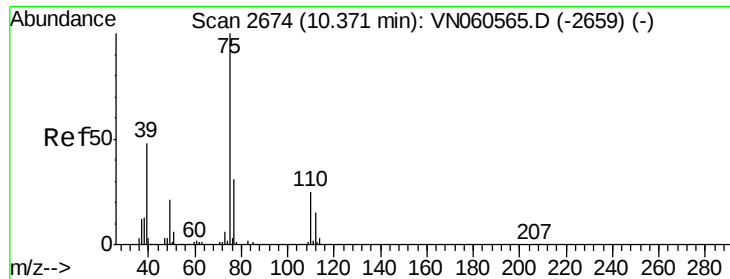
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.791 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampled :

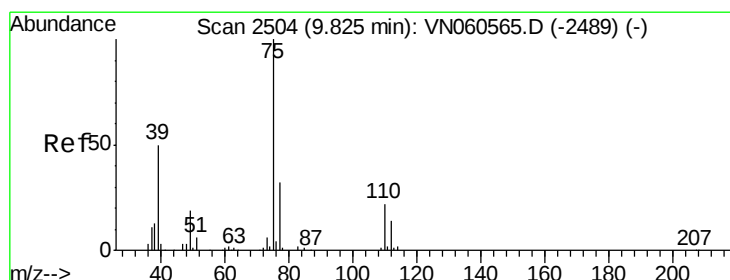
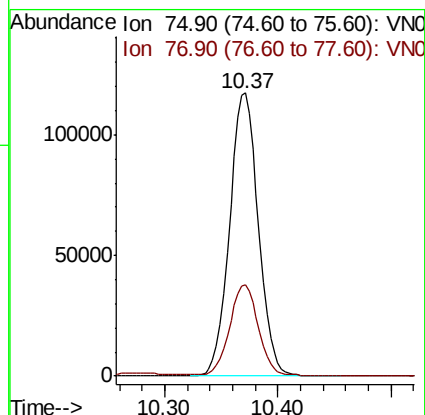
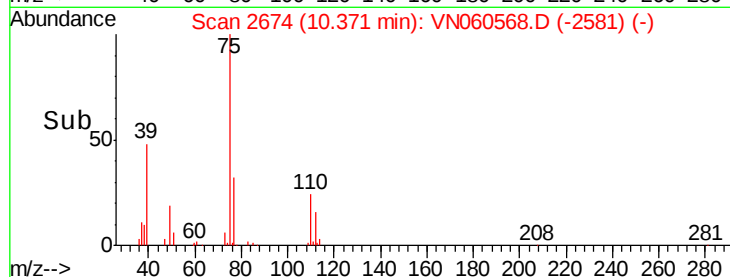
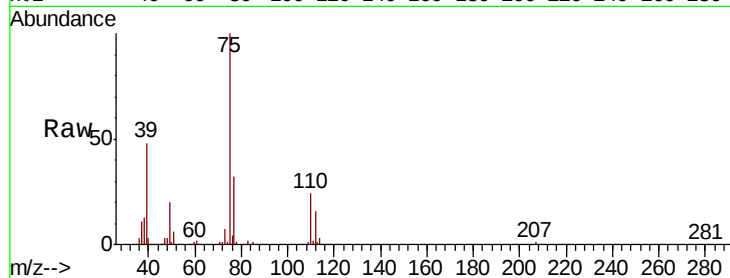
ICVVN031820

Tot Ion: 75 Resp: 207243

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 50.833 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

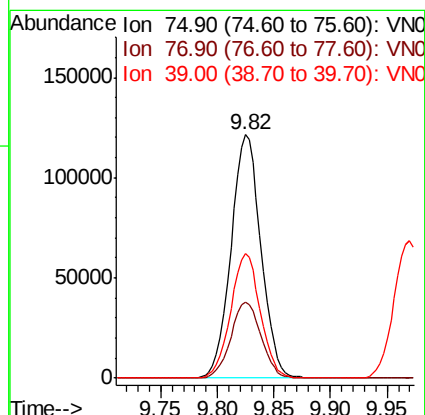
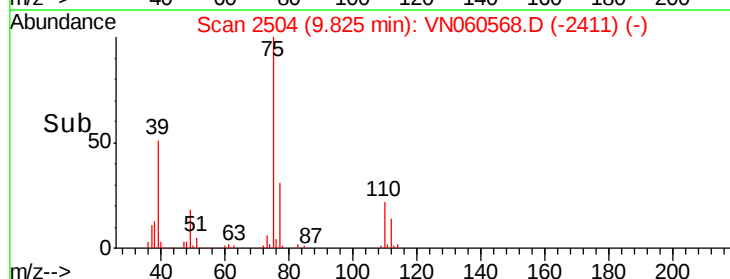
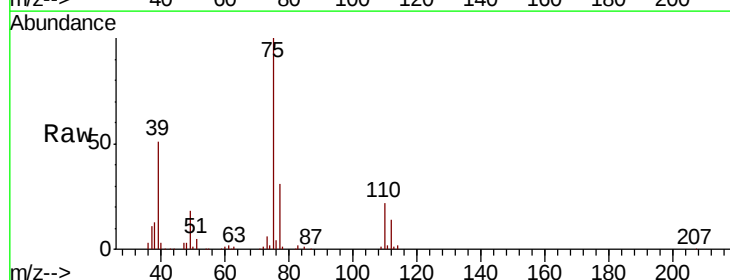
Tgt Ion: 75 Resp: 223151

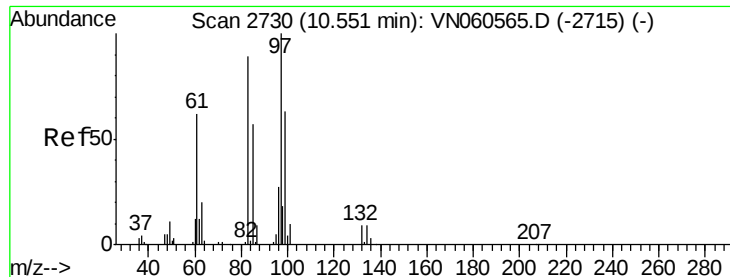
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 51.3 40.2 60.4

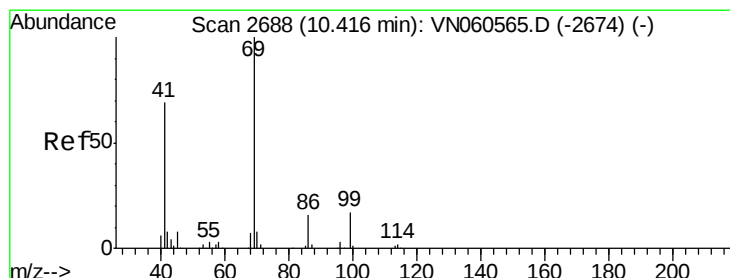
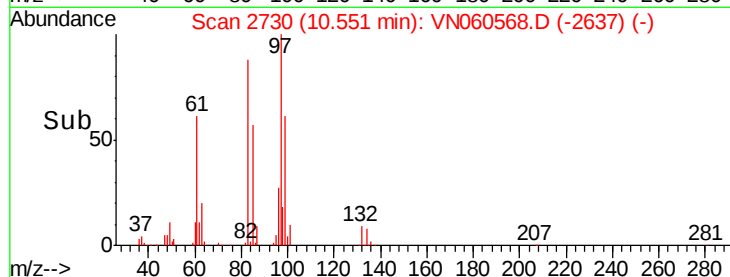
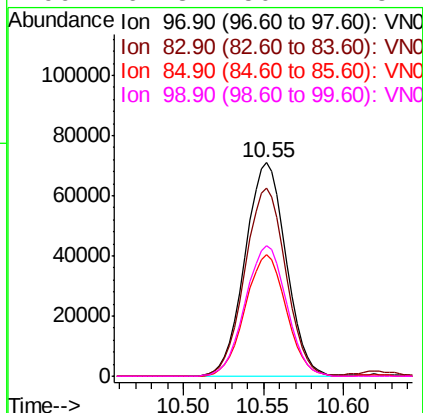
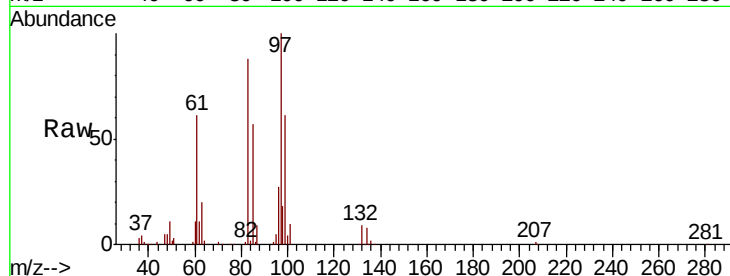




#55
 1,1,2-Trichloroethane
 Concen: 51.126 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

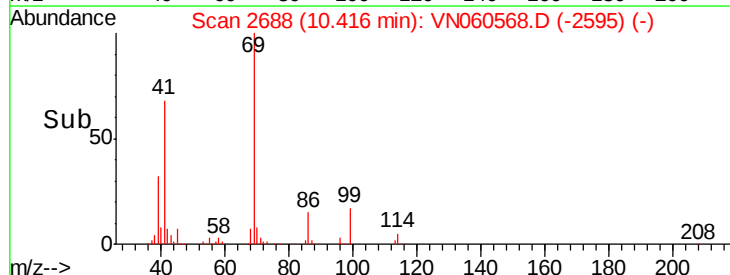
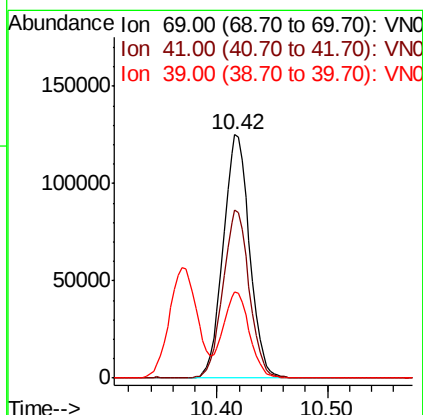
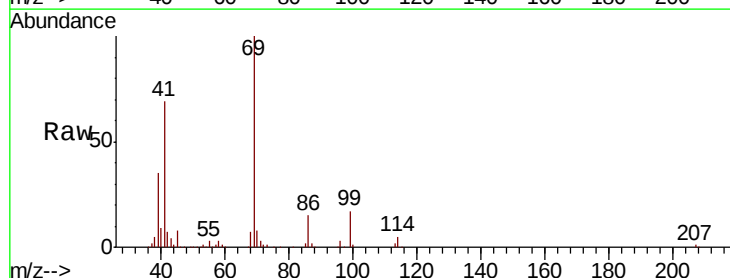
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion:	97	Resp:	124832
Ion	Ratio	Lower	Upper
97	100		
83	87.9	71.3	106.9
85	56.7	45.2	67.8
99	61.3	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 54.394 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion:	69	Resp:	207083
Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.4	83.2
39	35.7	29.4	44.0





#57

1,3-Dichloropropane

Concen: 51.112 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampled :

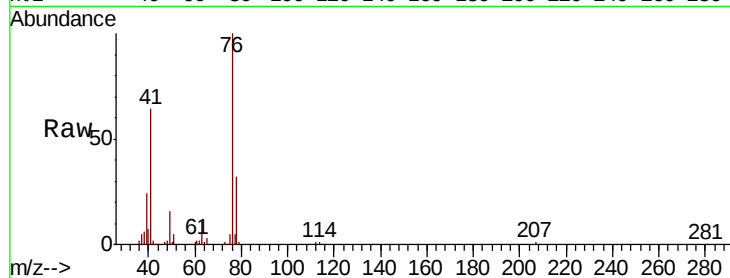
ICVVN031820

Tot Ion: 76 Resp: 216564

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060568.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060568.D (-2682) (-)

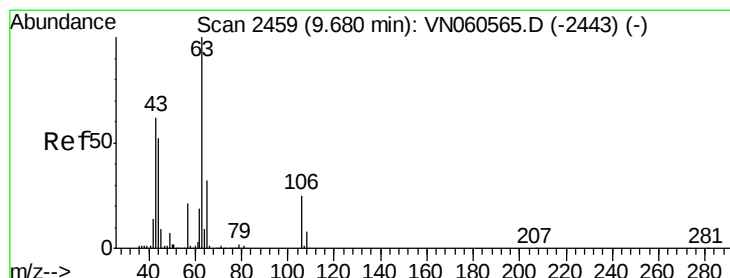
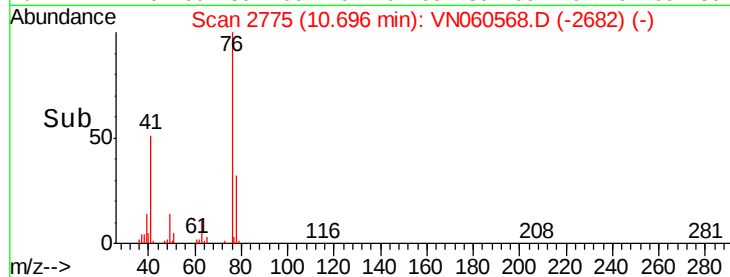
10.70

100000

50000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 272.841 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060568.D

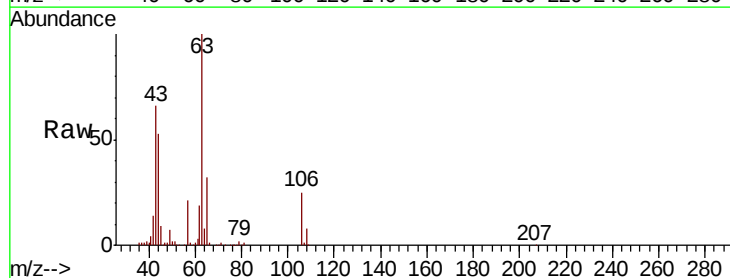
Acq: 17 Mar 2020 20:21

Tgt Ion: 63 Resp: 516263

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060568.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060568.D (-2366) (-)

9.68

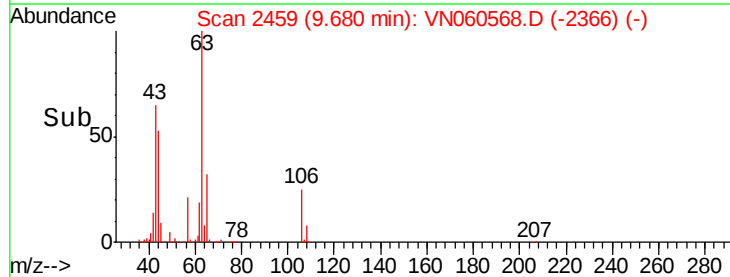
300000

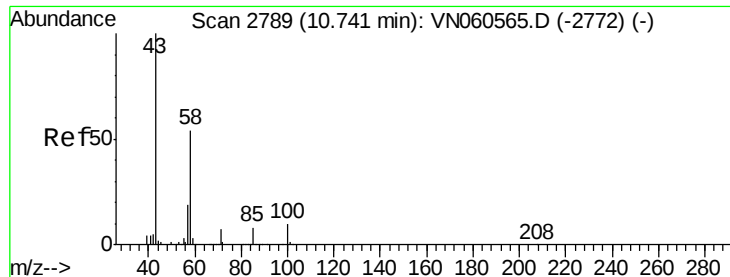
200000

100000

0

Time--> 9.60 9.70 9.80

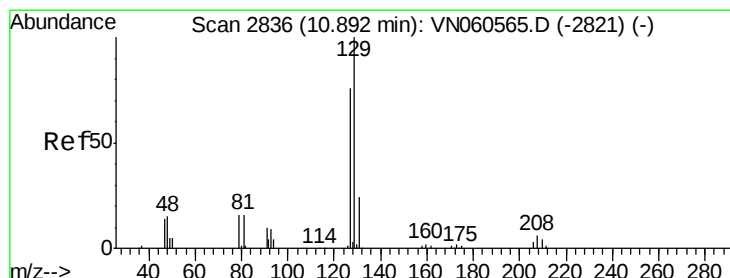
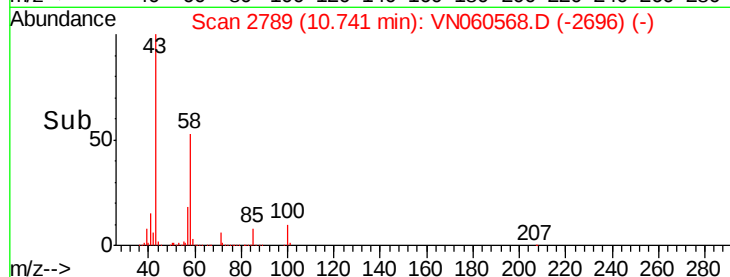
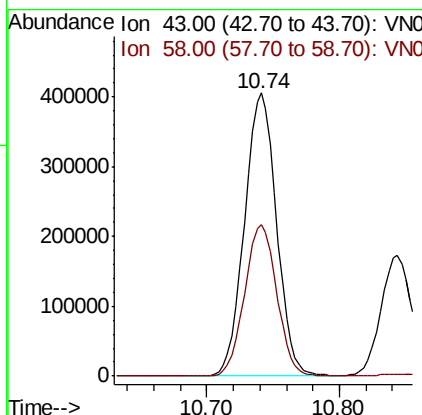
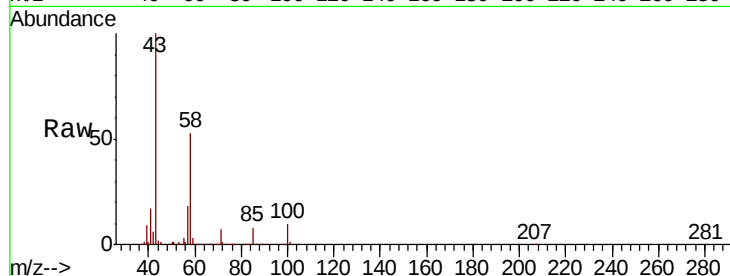




#59
2-Hexanone
Concen: 266.968 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

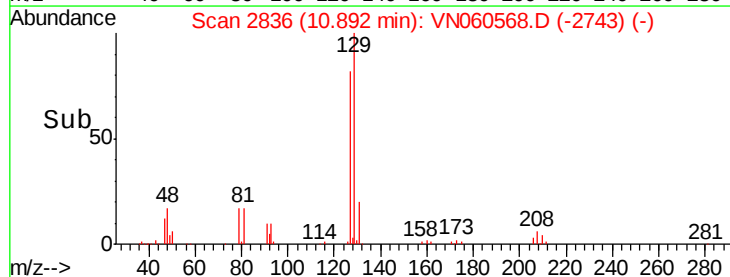
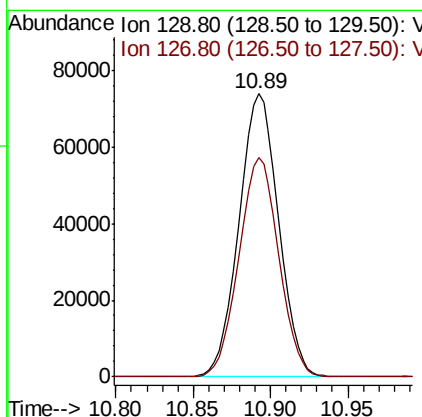
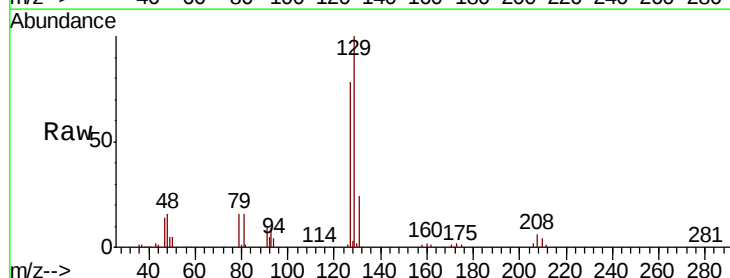
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

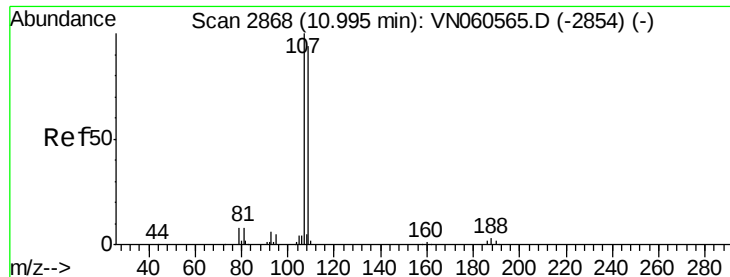
Tot Ion: 43 Resp: 678868
Ion Ratio Lower Upper
43 100
58 54.0 26.7 80.1



#60
Dibromochloromethane
Concen: 52.209 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion: 129 Resp: 131677
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.774 ug/l

RT: 11.00 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

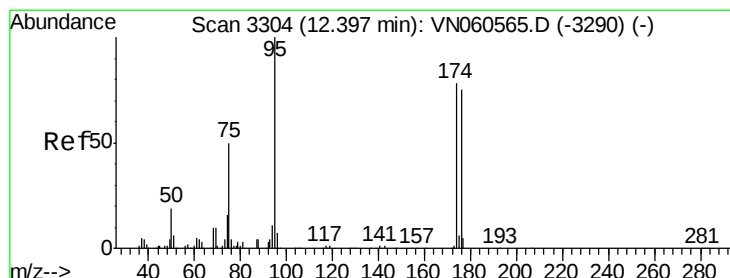
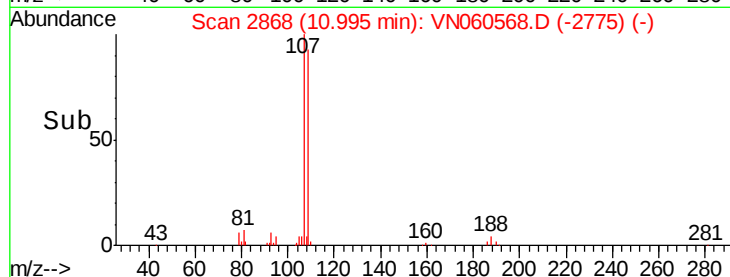
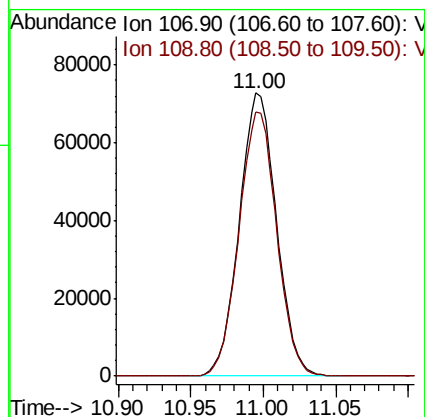
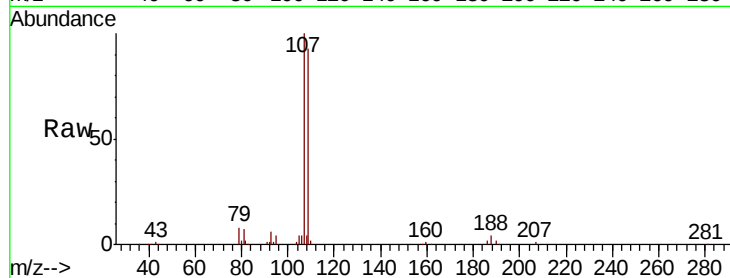
ICVVN031820

Tot Ion: 107 Resp: 129572

Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 48.753 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

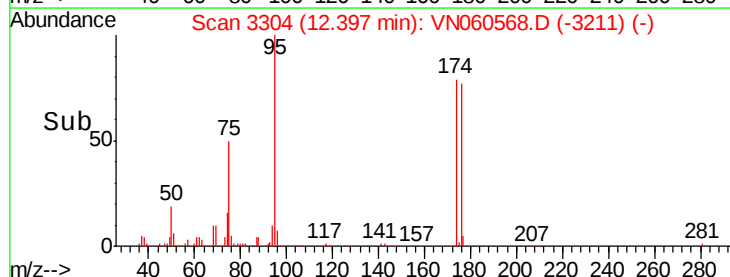
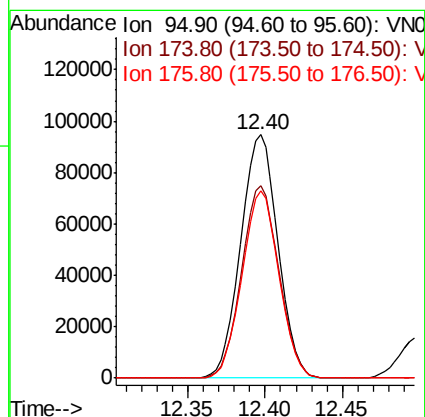
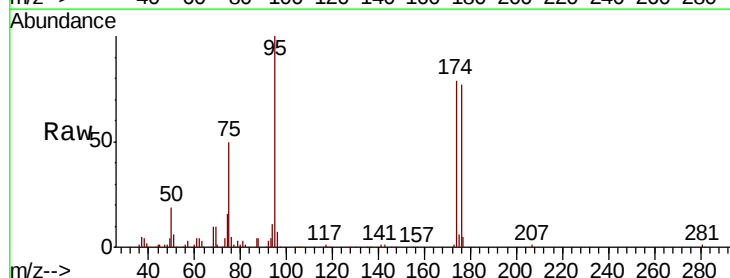
Tgt Ion: 95 Resp: 158652

Ion Ratio Lower Upper

95 100

174 79.1 0.0 157.6

176 76.2 0.0 150.6

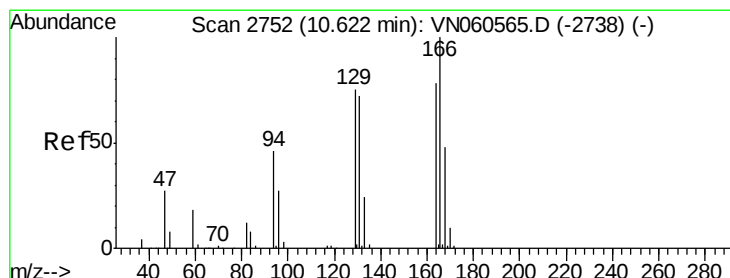
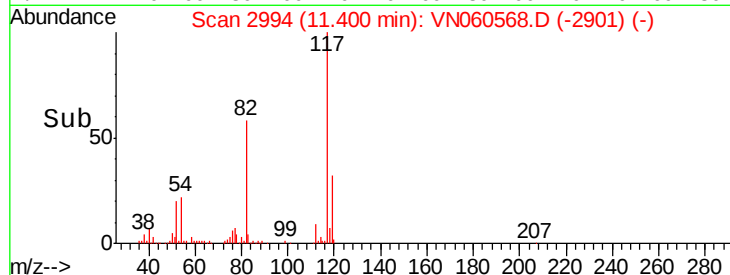
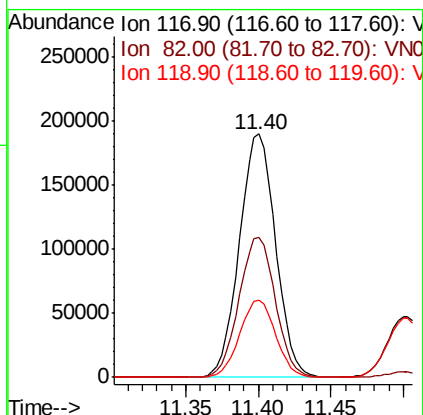
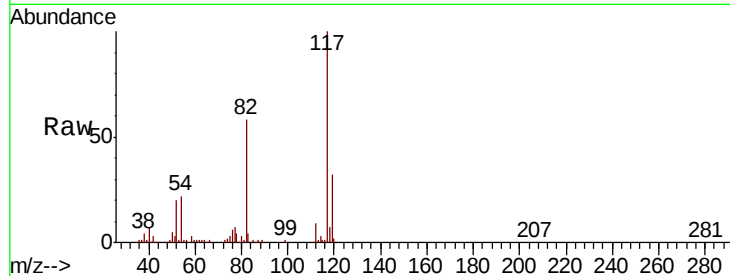




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

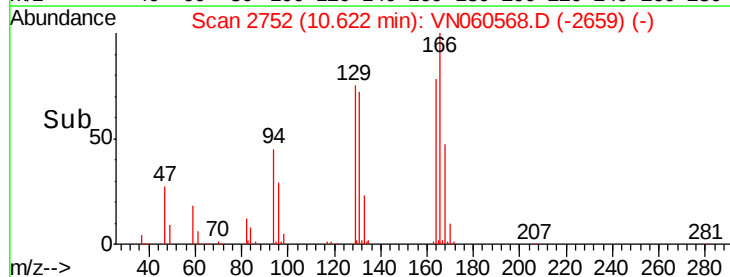
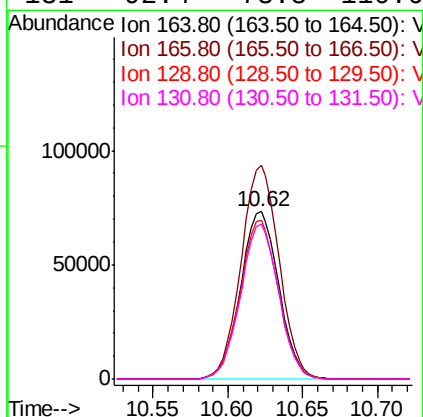
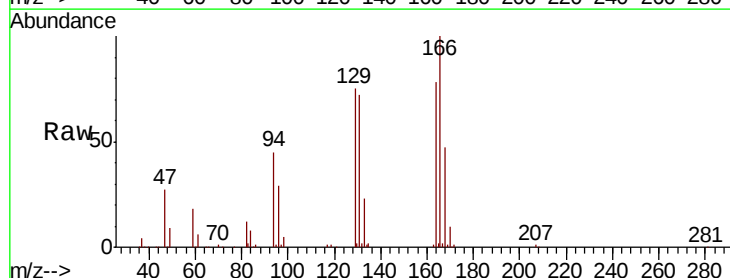
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion:117 Resp: 329878
Ion Ratio Lower Upper
117 100
82 57.5 46.7 70.1
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 50.249 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion:164 Resp: 130438
Ion Ratio Lower Upper
164 100
166 127.7 102.7 154.1
129 95.2 77.2 115.8
131 92.4 73.8 110.6

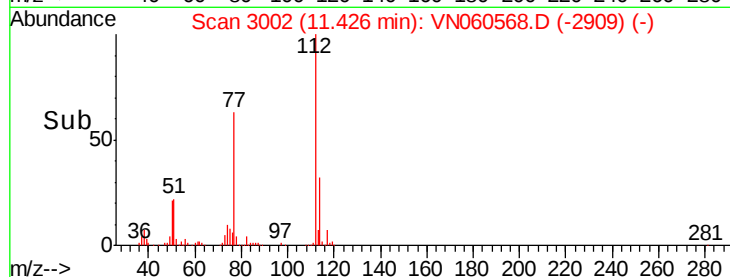
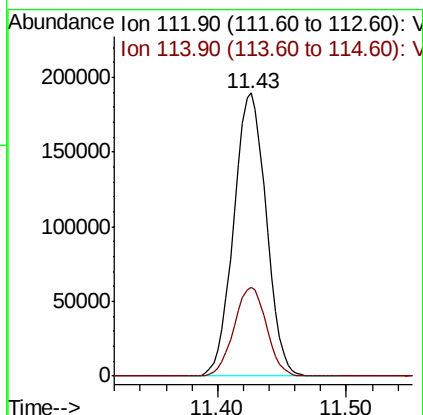
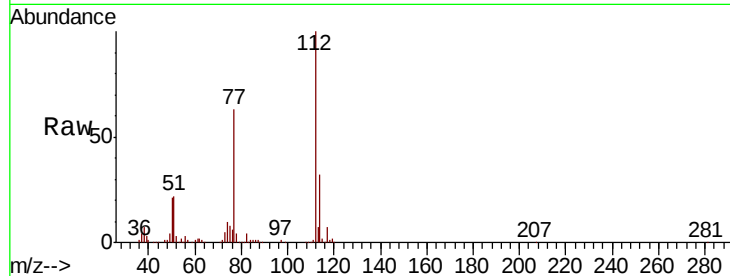




#65
Chlorobenzene
Concen: 50.740 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

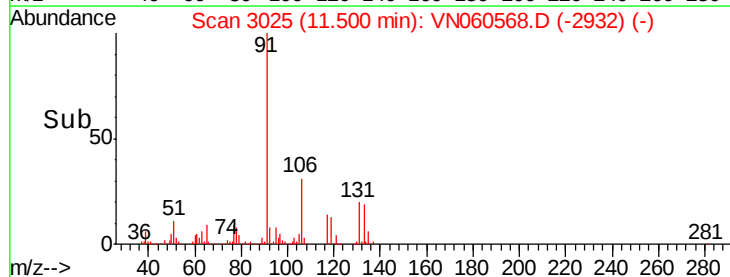
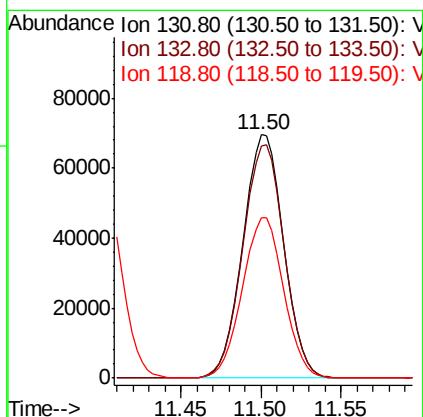
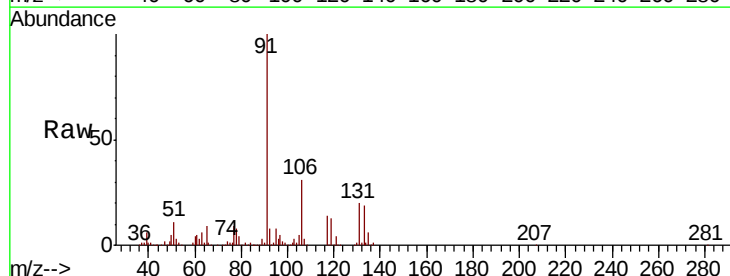
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion:112 Resp: 331818
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.241 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion:131 Resp: 121324
Ion Ratio Lower Upper
131 100
133 97.1 48.9 146.8
119 66.5 33.9 101.7





#67

Ethyl Benzene

Concen: 51.242 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

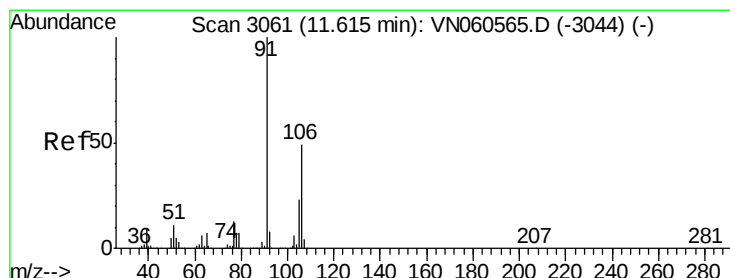
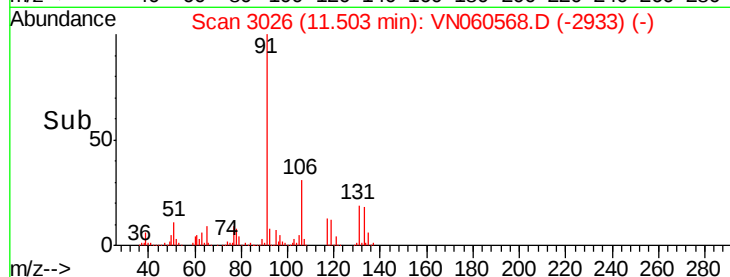
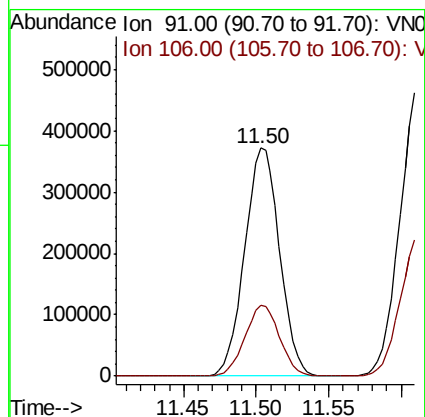
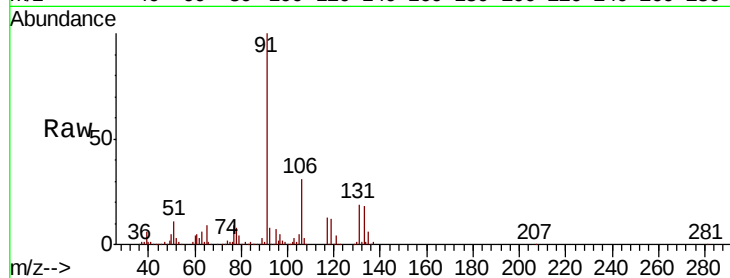
ICVVN031820

Tot Ion: 91 Resp: 623166

Ion Ratio Lower Upper

91 100

106 31.0 24.2 36.2



#68

m/p-Xylenes

Concen: 102.119 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060568.D

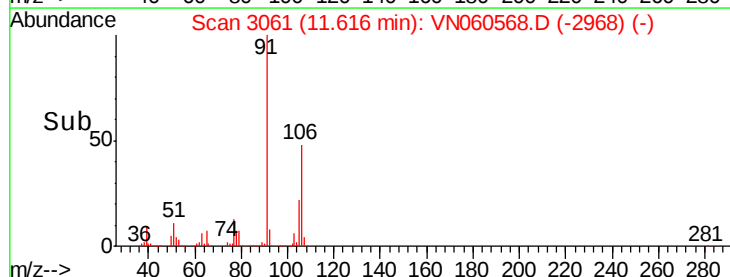
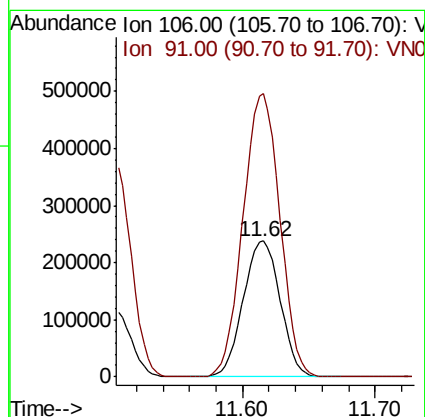
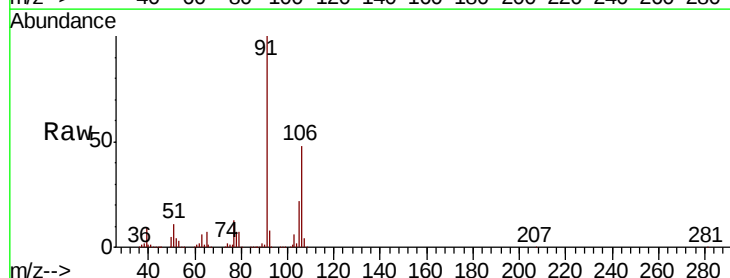
Acq: 17 Mar 2020 20:21

Tgt Ion: 106 Resp: 461492

Ion Ratio Lower Upper

106 100

91 207.6 165.0 247.4

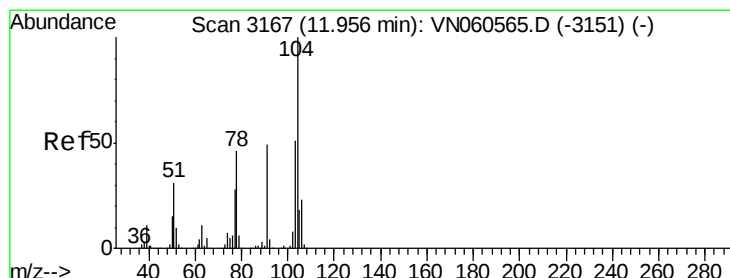
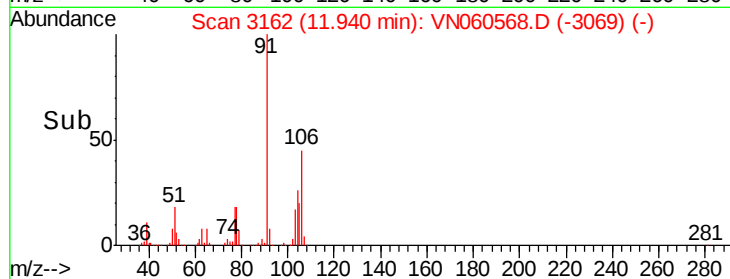
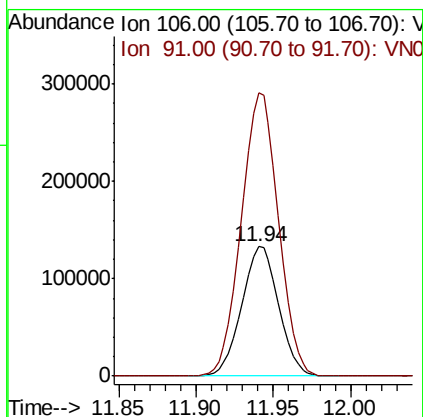
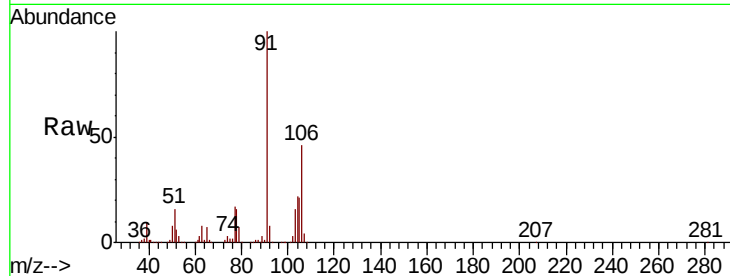




#69
o-Xylene
Concen: 51.223 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

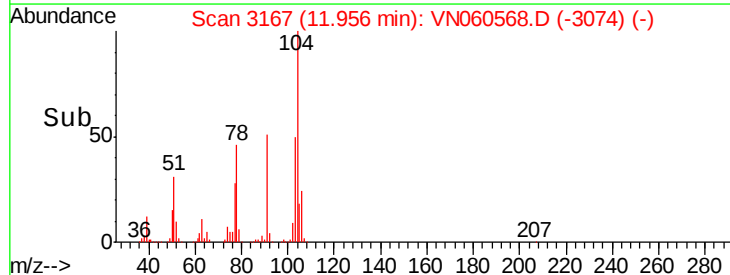
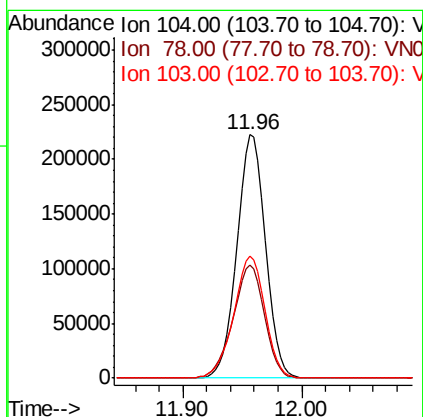
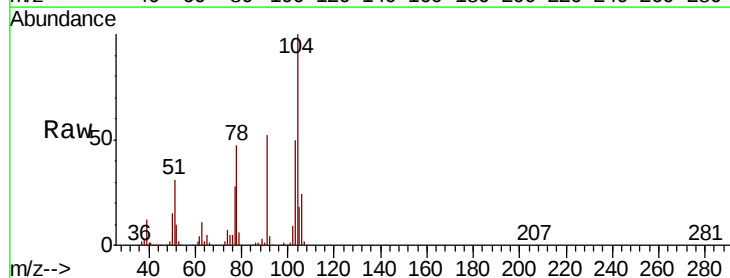
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

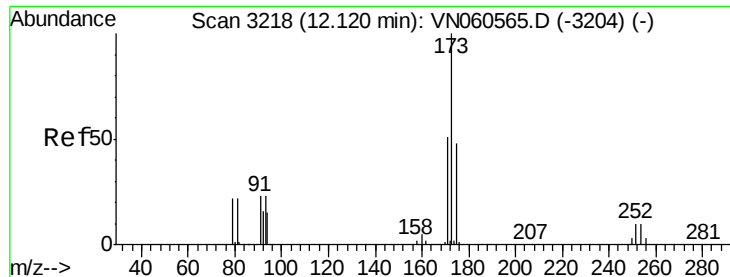
Tot Ion:106 Resp: 220980
Ion Ratio Lower Upper
106 100
91 219.8 109.5 328.4



#70
Styrene
Concen: 52.580 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion:104 Resp: 370984
Ion Ratio Lower Upper
104 100
78 51.1 41.2 61.8
103 54.6 44.0 66.0

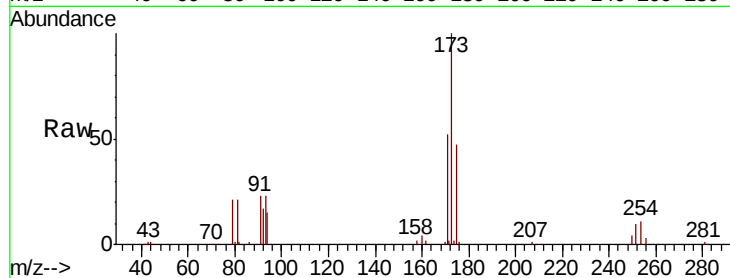




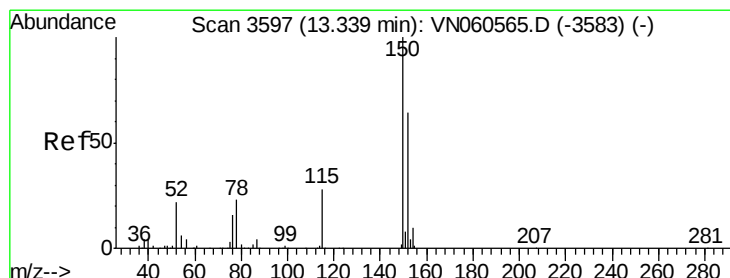
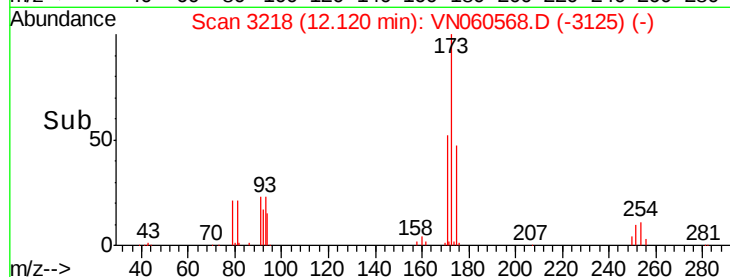
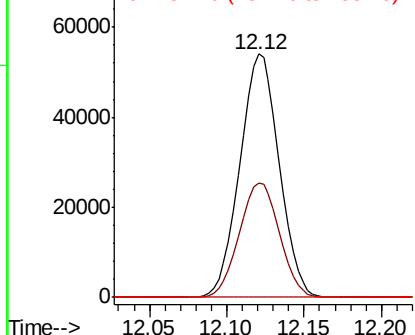
#71
Bromoform
Concen: 48.527 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion:173 Resp: 95395
Ion Ratio Lower Upper
173 100
175 48.1 24.1 72.4
254 0.0 0.0 0.0

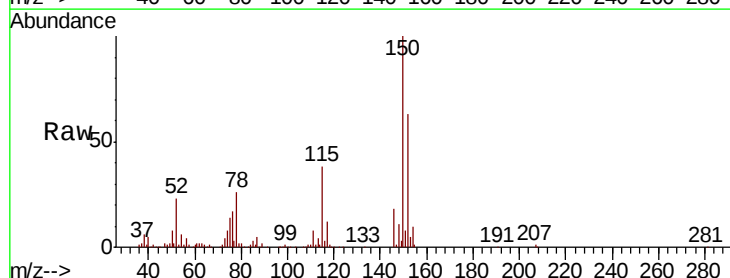


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

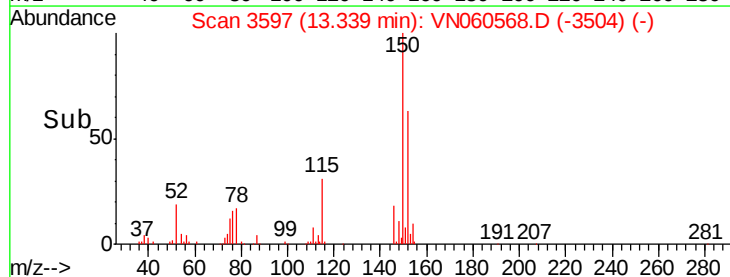
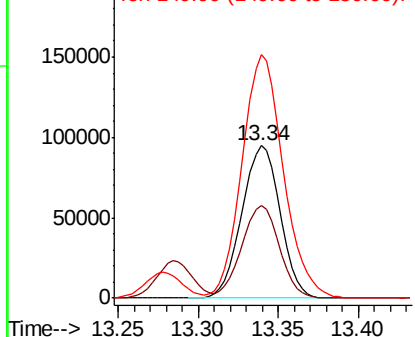


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion:152 Resp: 154549
Ion Ratio Lower Upper
152 100
115 59.6 30.2 90.6
150 172.7 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.695 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

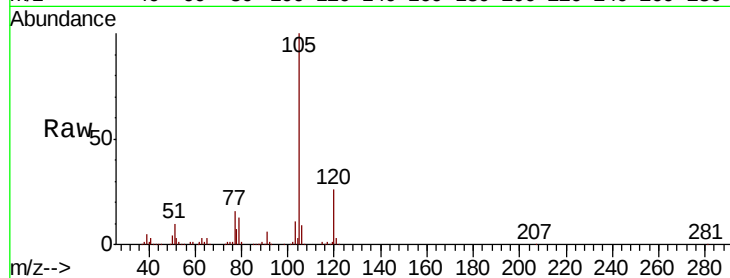
ICVVN031820

Tot Ion:105 Resp: 587980

Ion Ratio Lower Upper

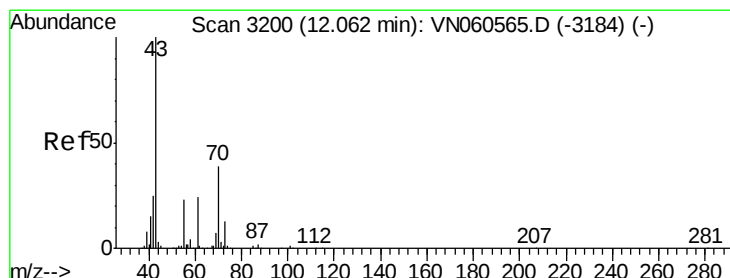
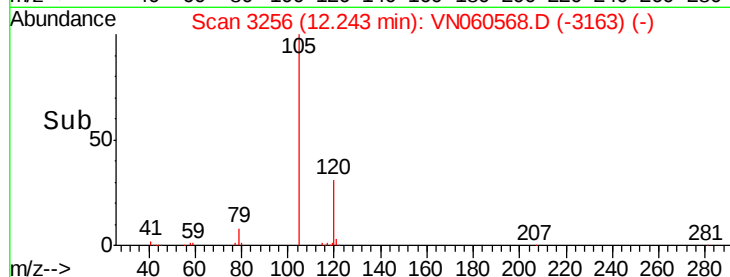
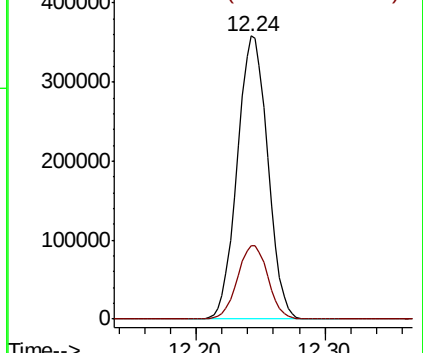
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.416 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion: 43 Resp: 280921

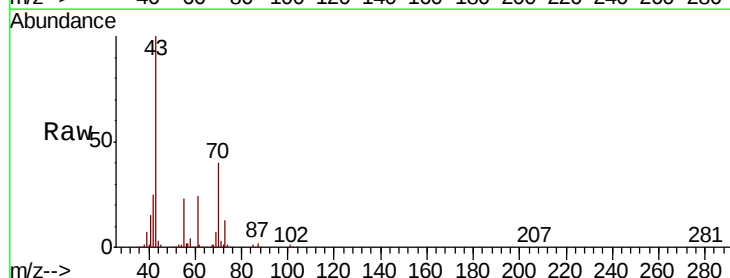
Ion Ratio Lower Upper

43 100

70 39.8 31.1 46.7

55 23.3 18.6 27.8

61 24.1 18.9 28.3

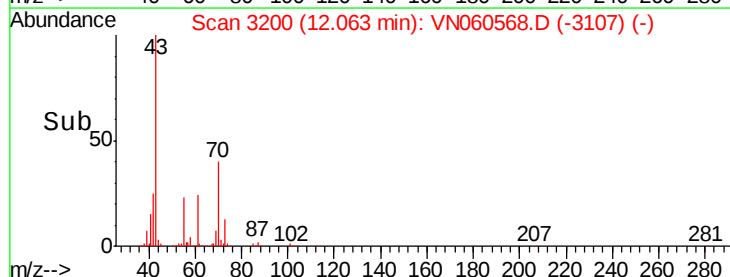
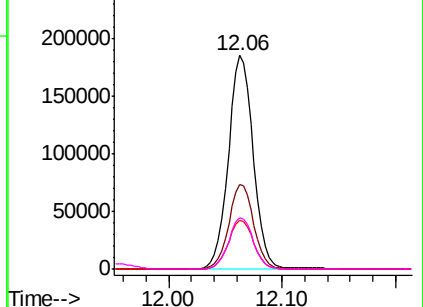


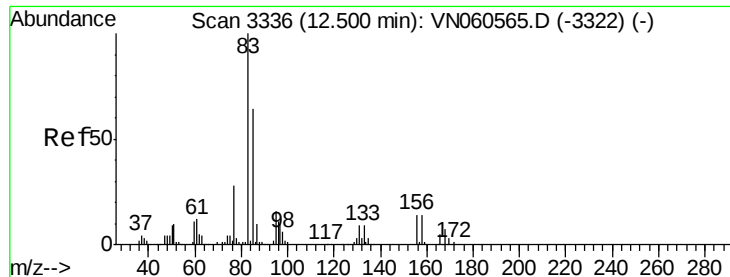
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.109 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

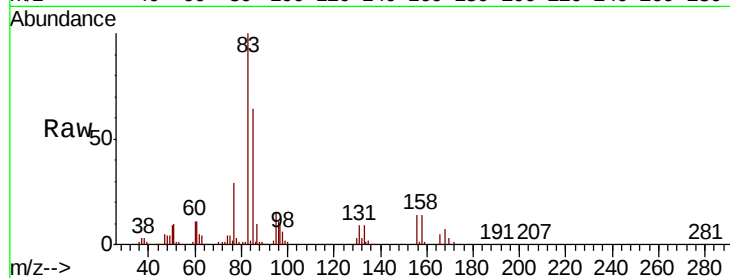
Tot Ion: 83 Resp: 179262

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

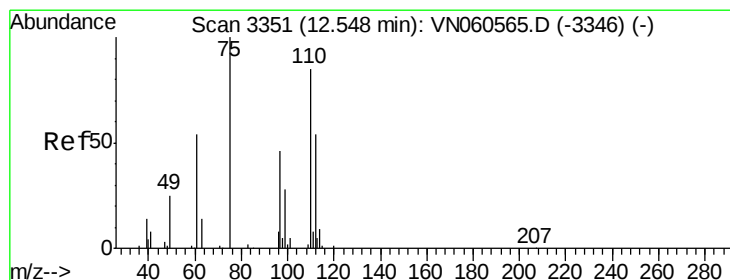
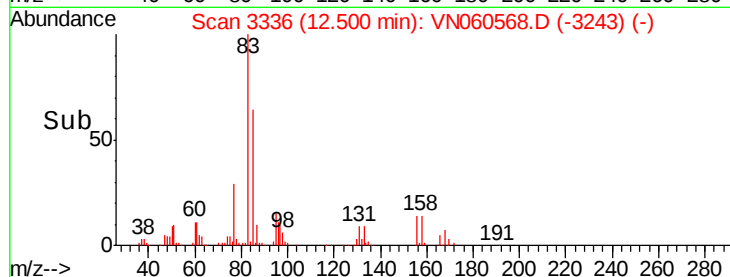
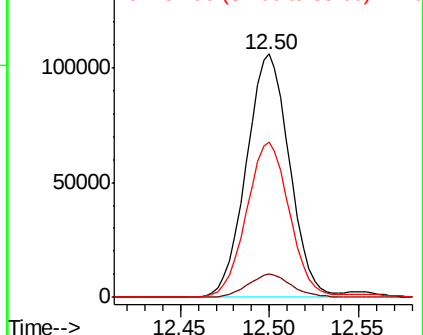
85 63.7 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060568.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060568.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060568.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 73.460 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060568.D

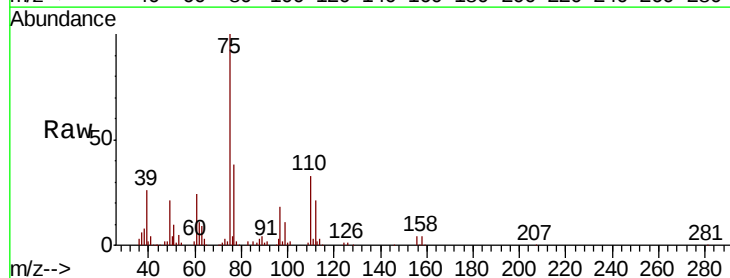
Acq: 17 Mar 2020 20:21

Tgt Ion: 75 Resp: 244978

Ion Ratio Lower Upper

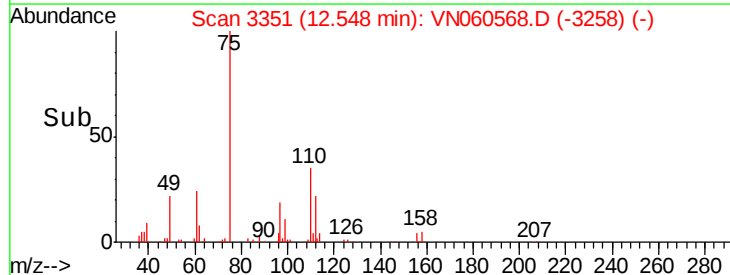
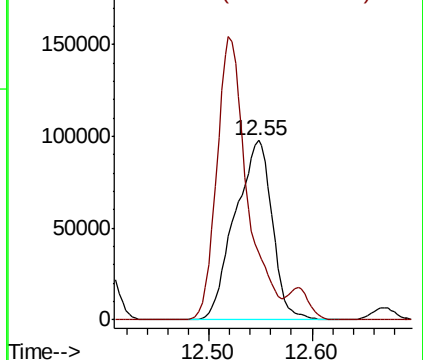
75 100

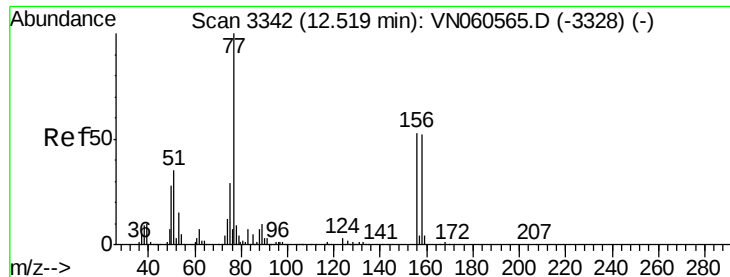
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060568.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060568.D (-3351) (-)





#77

Bromobenzene

Concen: 50.644 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

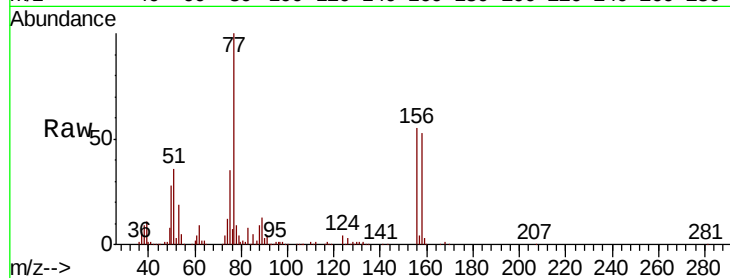
Tot Ion:156 Resp: 141540

Ion Ratio Lower Upper

156 100

77 222.6 112.3 337.0

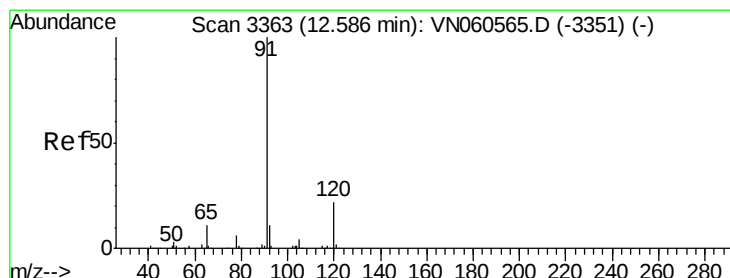
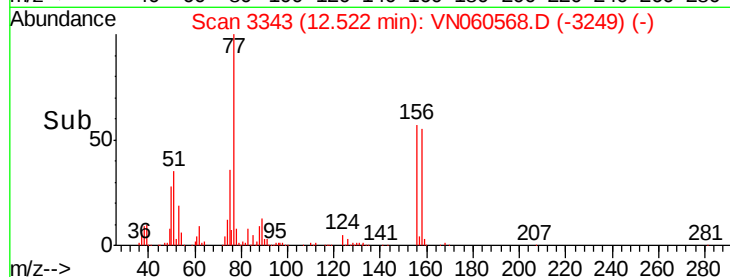
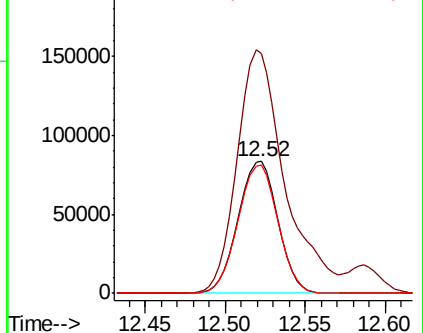
158 97.9 48.6 145.8



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: 51.141 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060568.D

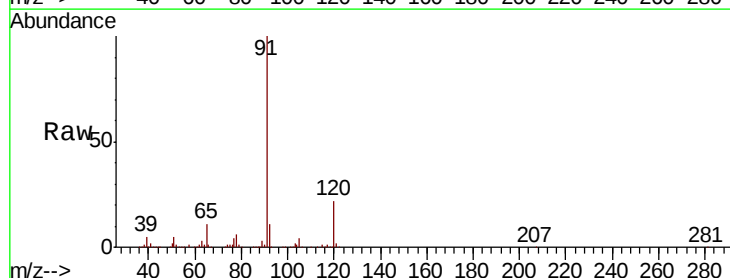
Acq: 17 Mar 2020 20:21

Tgt Ion: 91 Resp: 700763

Ion Ratio Lower Upper

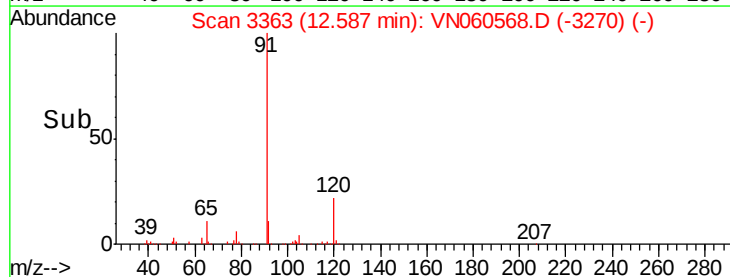
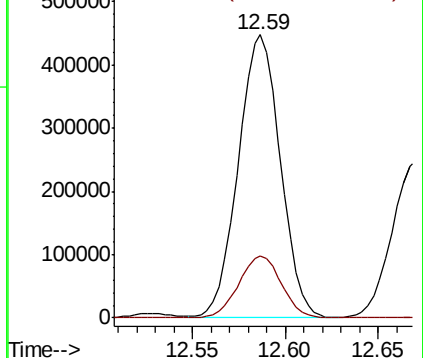
91 100

120 22.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

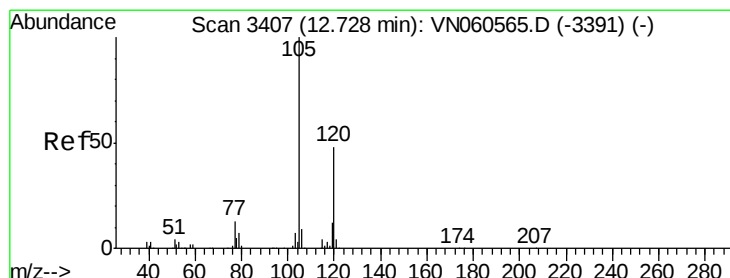
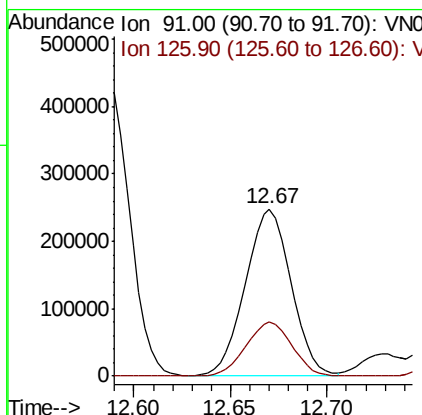
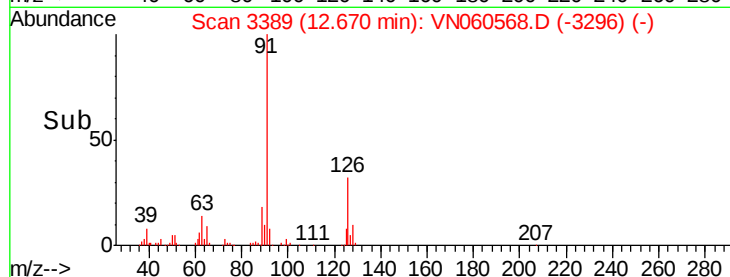
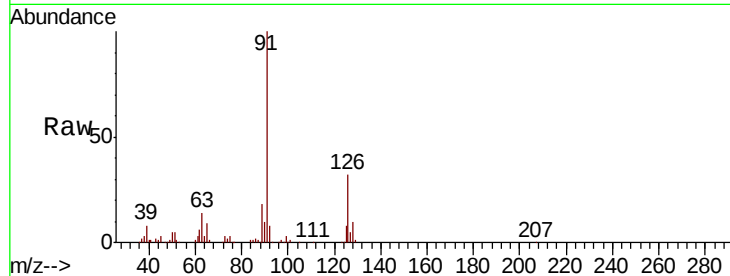




#79
 2-Chlorotoluene
 Concen: 49.790 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

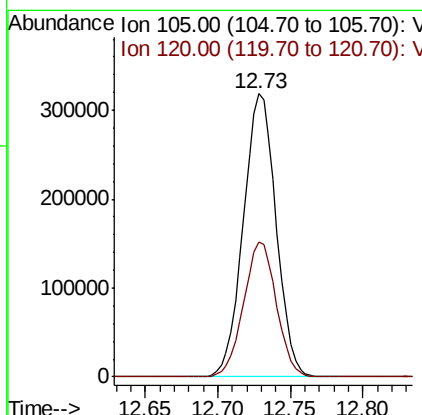
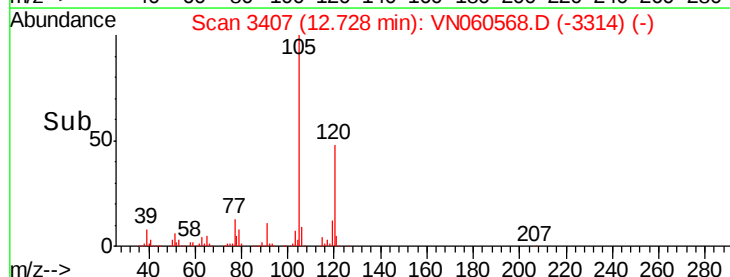
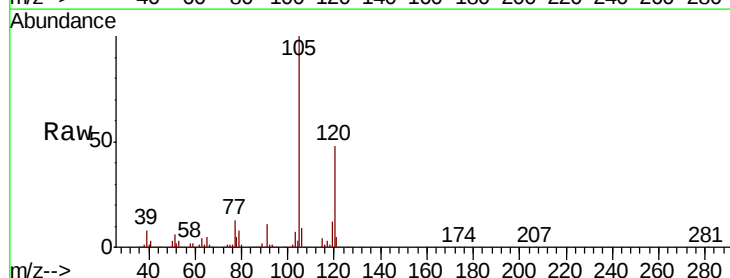
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion: 91 Resp: 407650
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.704 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion: 105 Resp: 499055
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7

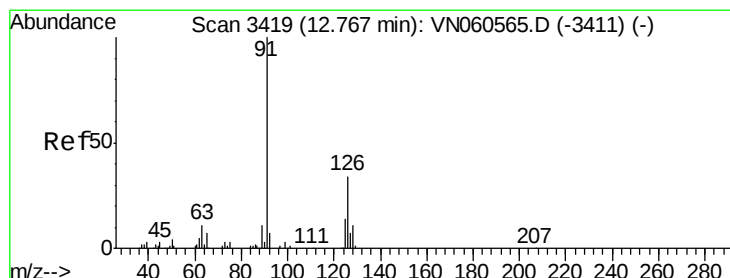
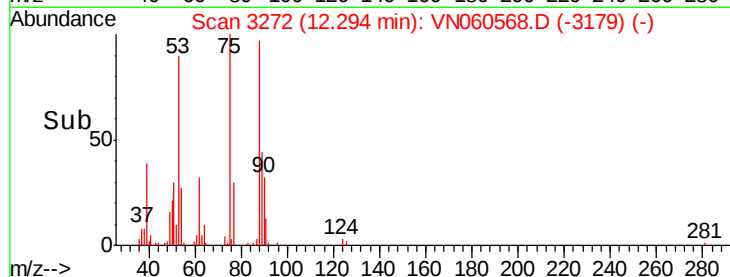
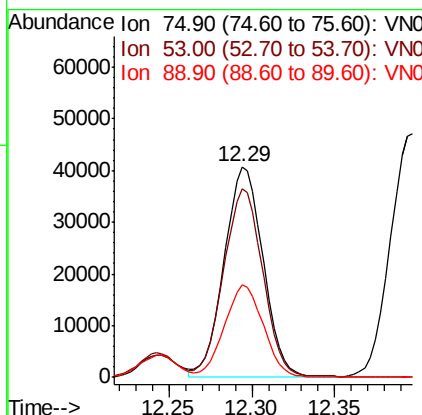
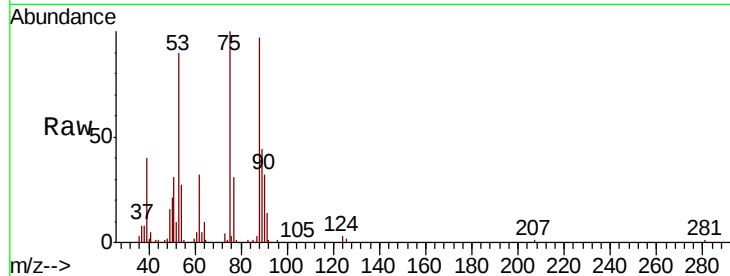




#81
trans-1,4-Dichloro-2-butene
Concen: 51.395 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

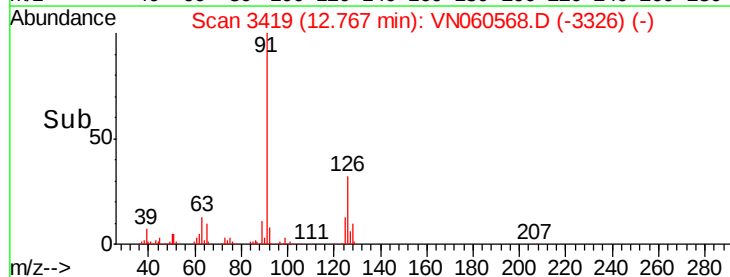
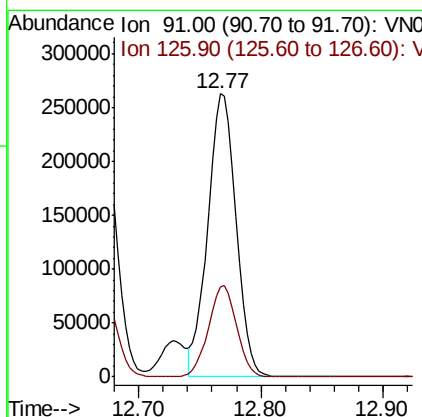
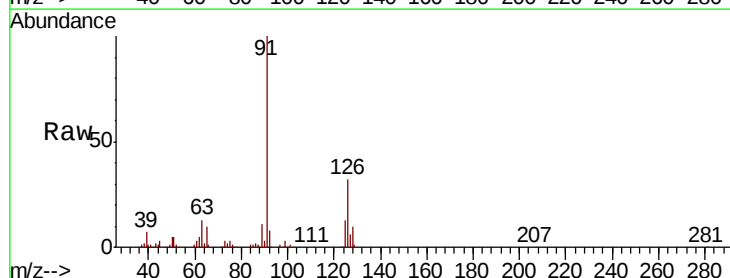
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

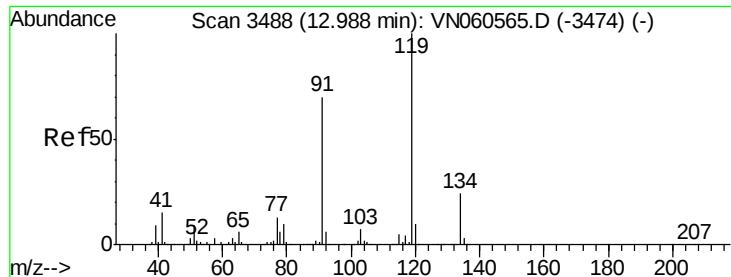
Tot Ion: 75 Resp: 66735
Ion Ratio Lower Upper
75 100
53 90.6 73.0 109.4
89 43.7 34.8 52.2



#82
4-Chlorotoluene
Concen: 51.109 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion: 91 Resp: 426180
Ion Ratio Lower Upper
91 100
126 32.1 16.2 48.5

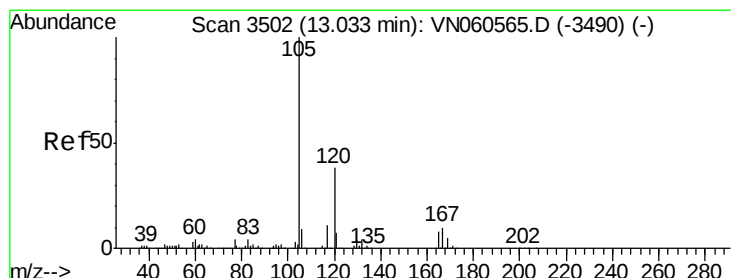
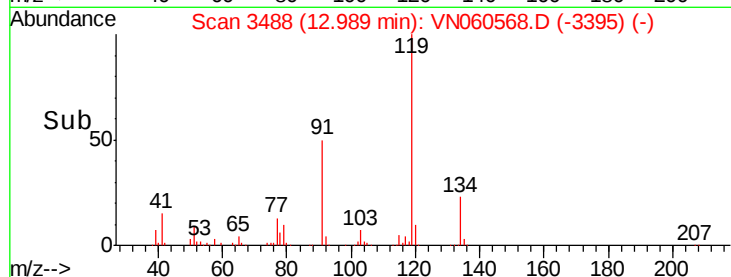
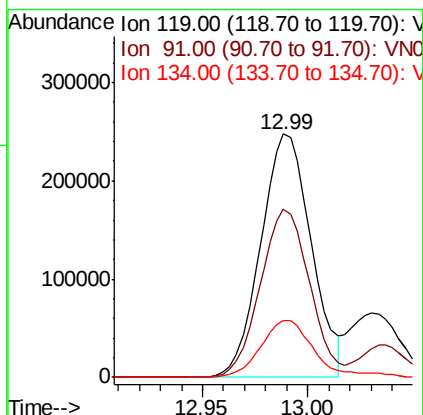
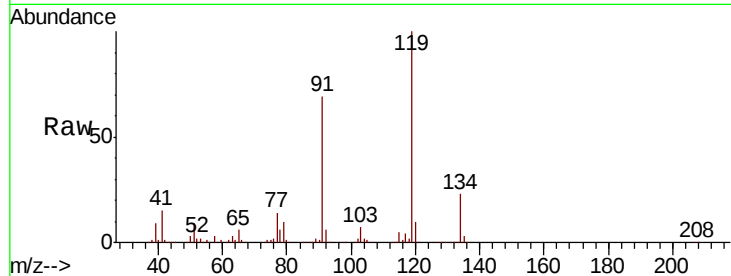




#83
 tert-Butylbenzene
 Concen: 50.590 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

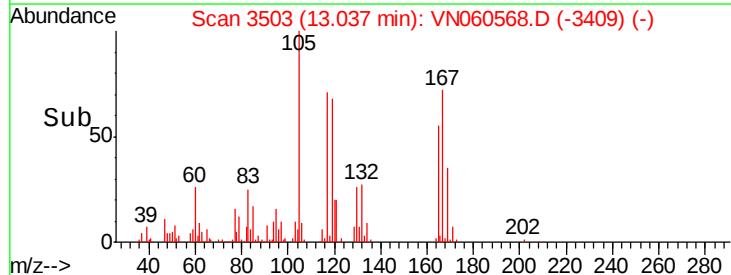
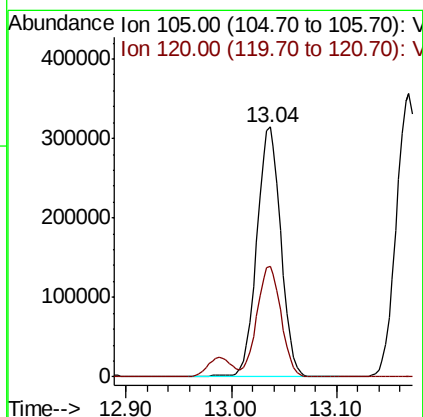
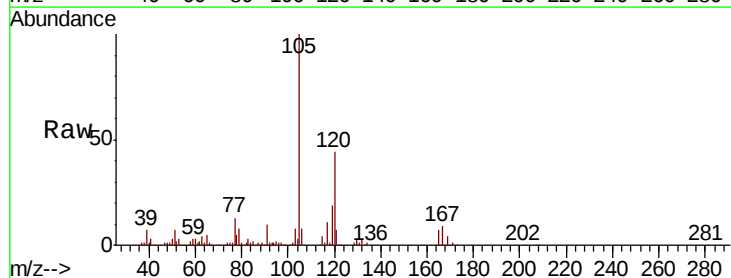
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion:119 Resp: 412777
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.0 101.8
 134 24.9 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.334 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion:105 Resp: 499862
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 51.034 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

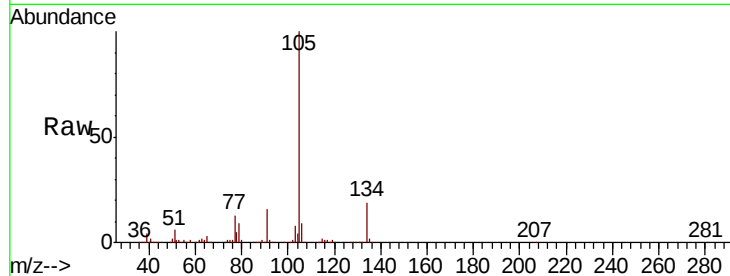
ICVVN031820

Tot Ion:105 Resp: 559936

Ion Ratio Lower Upper

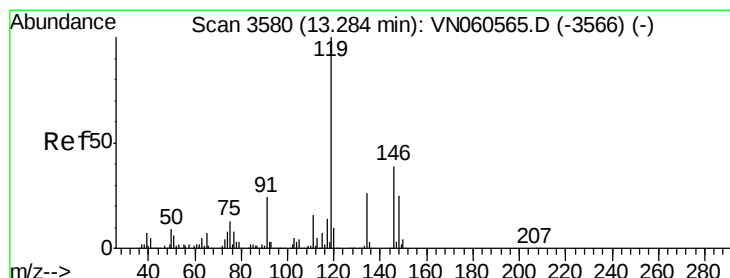
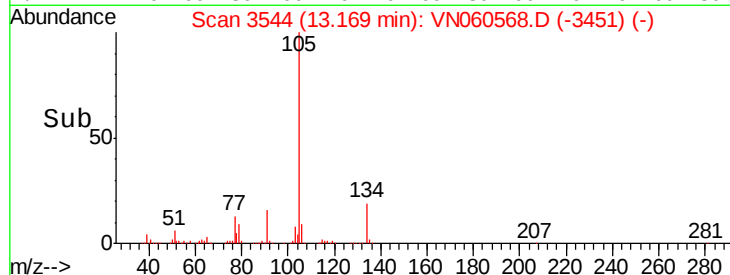
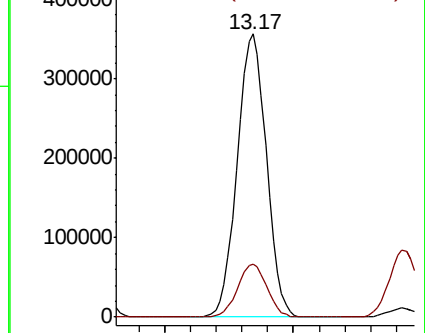
105 100

134 19.0 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.782 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

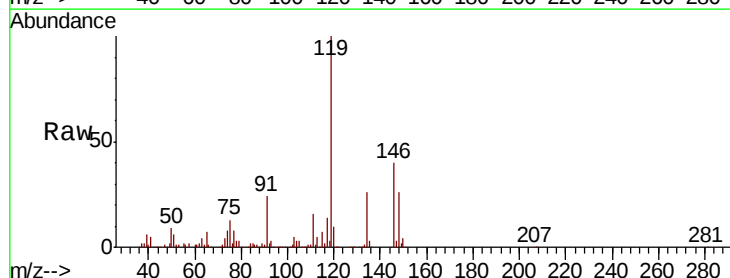
Tgt Ion:119 Resp: 501025

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

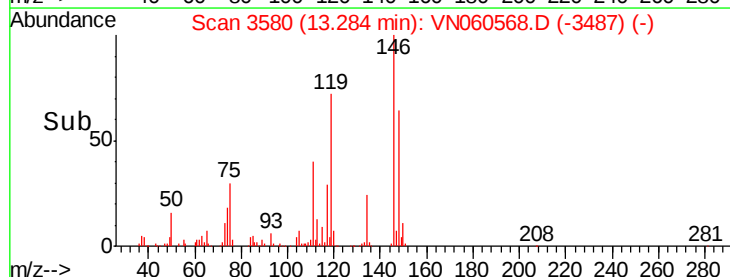
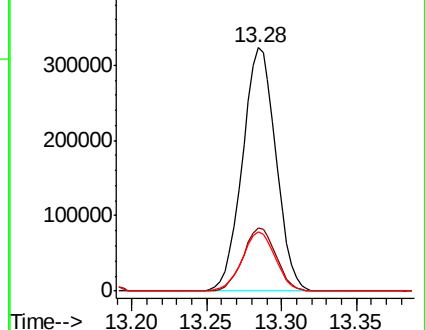
91 24.3 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.086 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

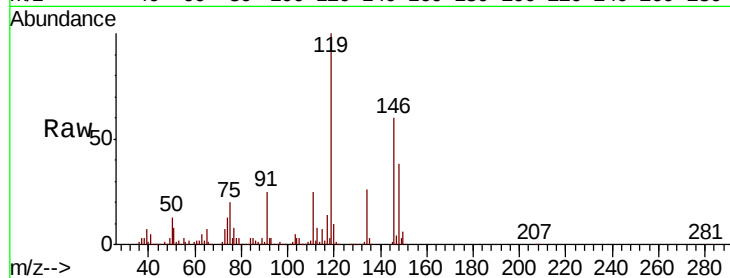
Tot Ion:146 Resp: 251813

Ion Ratio Lower Upper

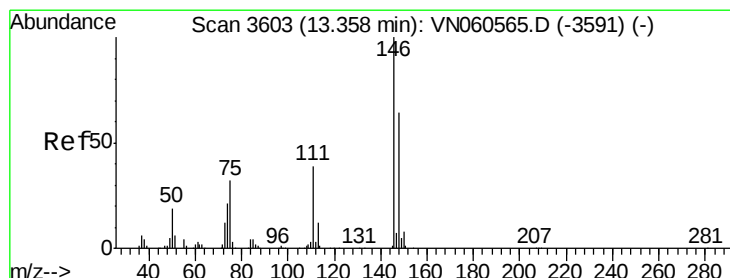
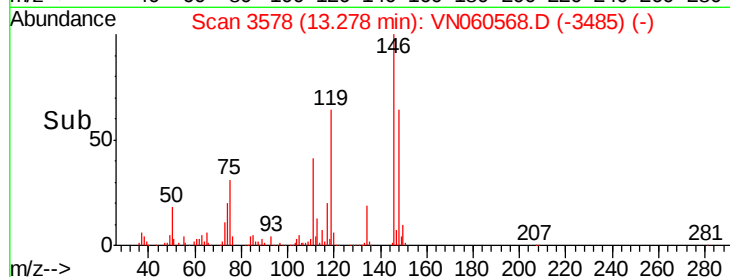
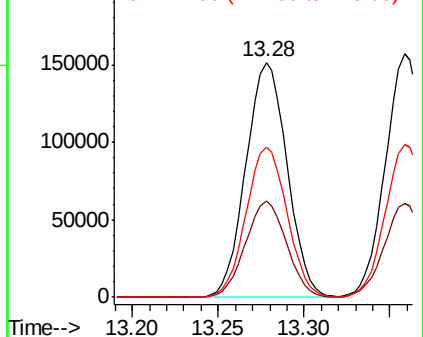
146 100

111 40.7 20.3 60.8

148 63.8 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.165 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

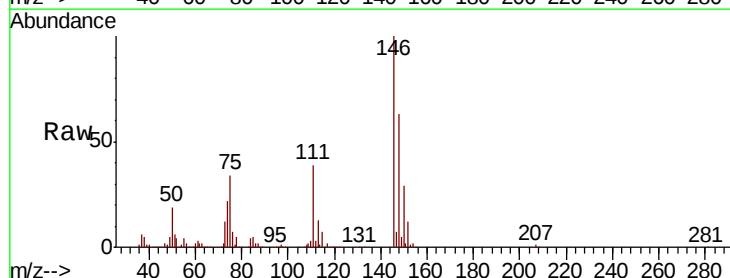
Tgt Ion:146 Resp: 253382

Ion Ratio Lower Upper

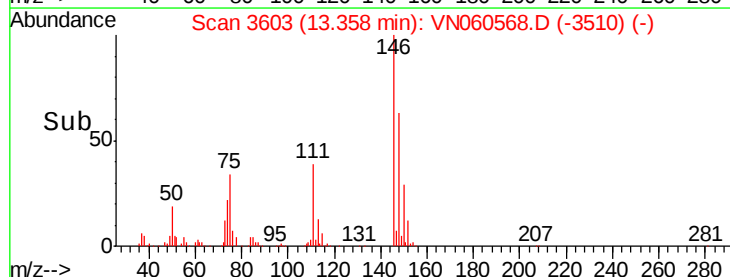
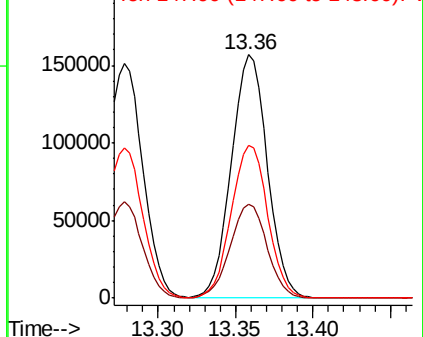
146 100

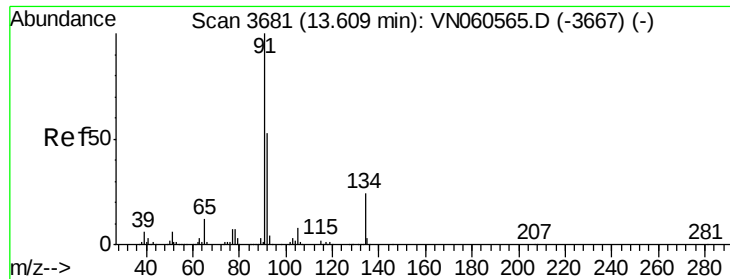
111 39.4 19.6 58.7

148 63.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.671 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

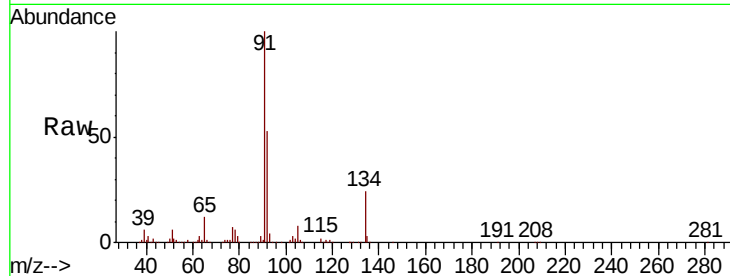
Tot Ion: 91 Resp: 460268

Ion Ratio Lower Upper

91 100

92 52.6 26.2 78.5

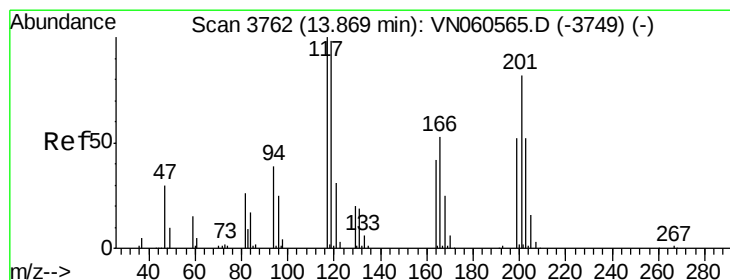
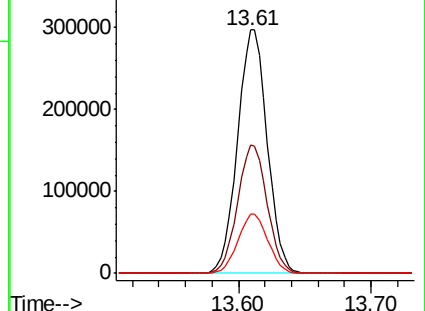
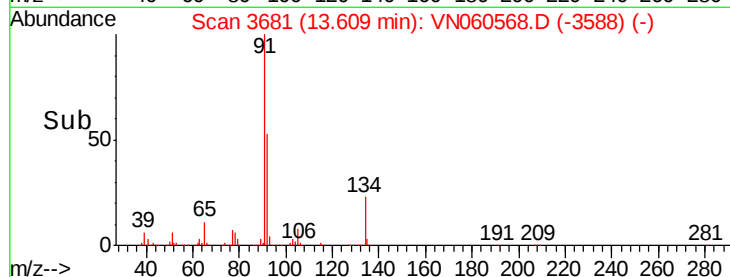
134 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060565.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060565.D (-3667) (-)



#90

Hexachloroethane

Concen: 52.863 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN060568.D

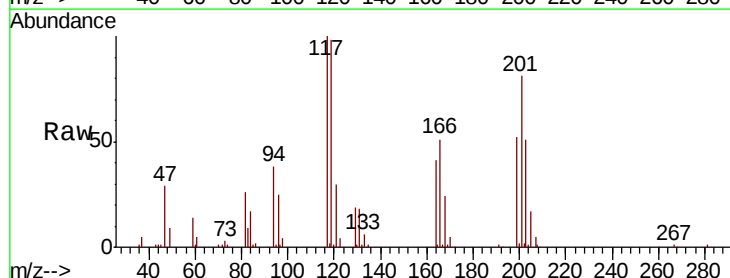
Acq: 17 Mar 2020 20:21

Tgt Ion: 117 Resp: 75812

Ion Ratio Lower Upper

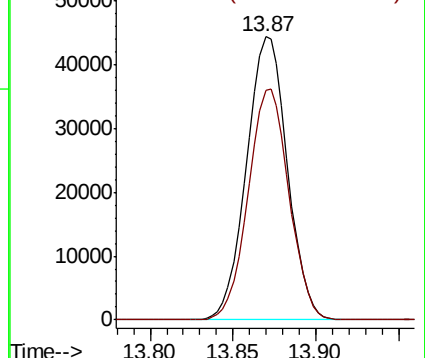
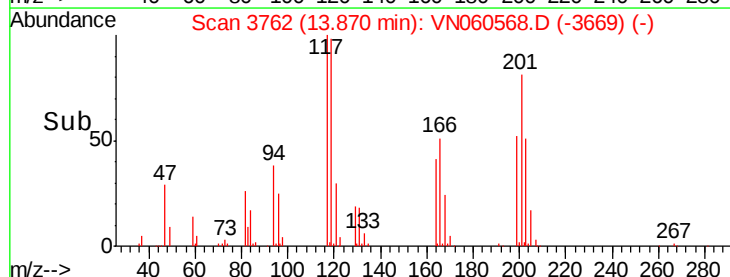
117 100

201 81.5 40.8 122.5



Abundance Ion 116.80 (116.50 to 117.50): VN060565.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060565.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 50.966 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

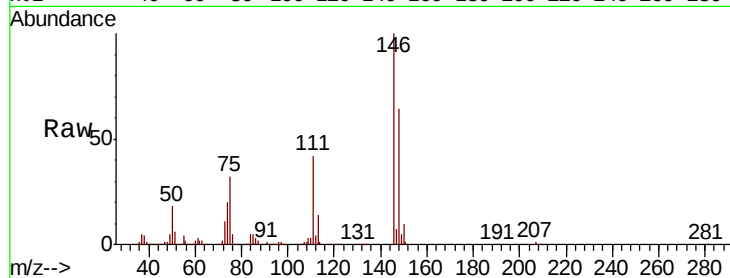
Tot Ion:146 Resp: 240216

Ion Ratio Lower Upper

146 100

111 42.0 21.0 63.0

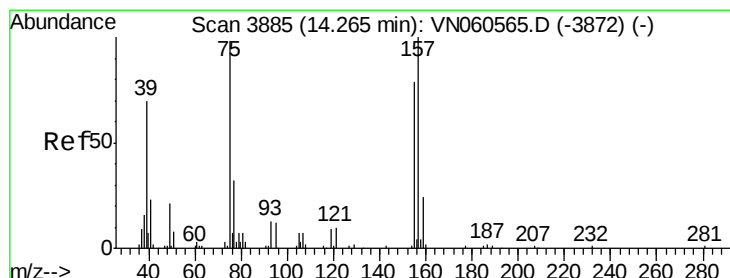
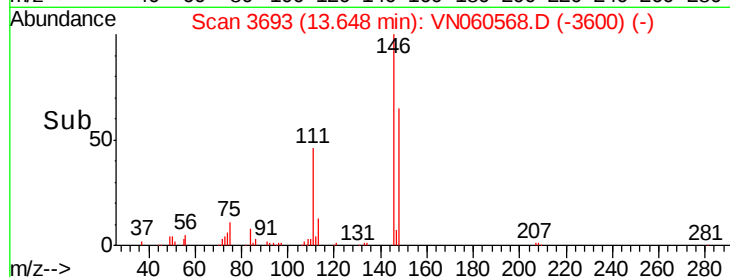
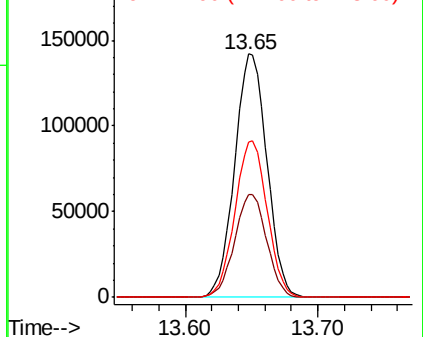
148 64.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.760 ug/l

RT: 14.27 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

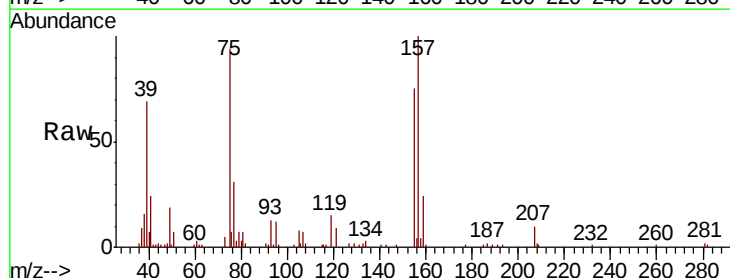
Tgt Ion: 75 Resp: 38018

Ion Ratio Lower Upper

75 100

155 80.0 40.7 122.1

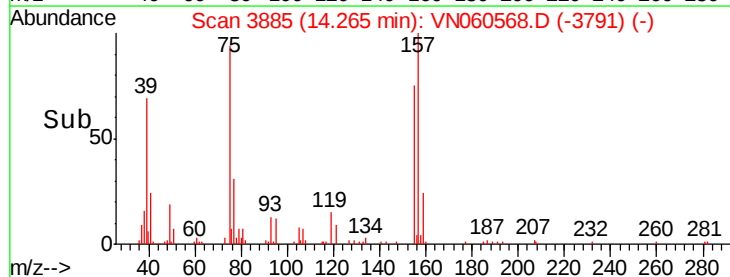
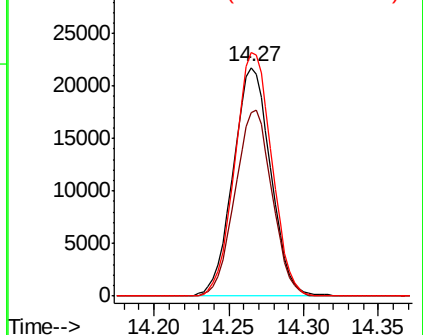
157 104.8 51.5 154.7

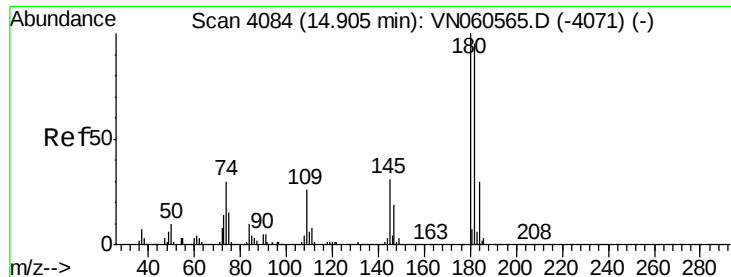


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

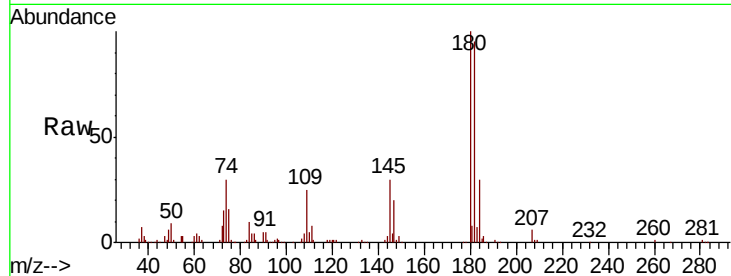




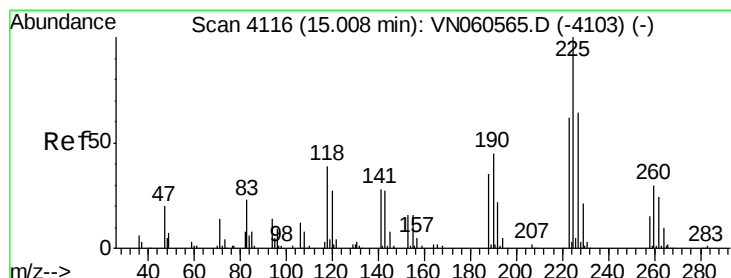
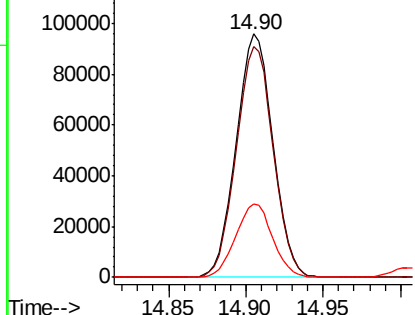
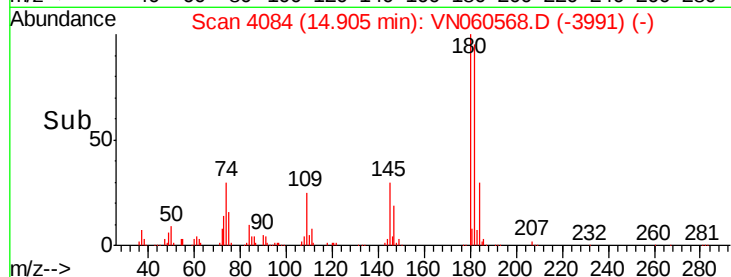
#93
 1,2,4-Trichlorobenzene
 Concen: 54.682 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion:180 Resp: 158271
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.8
 145 30.3 15.4 46.2

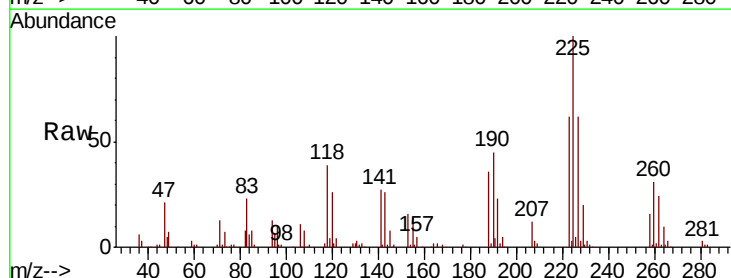


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

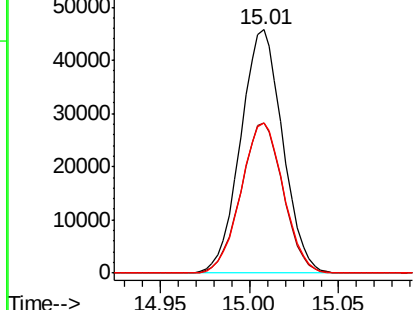
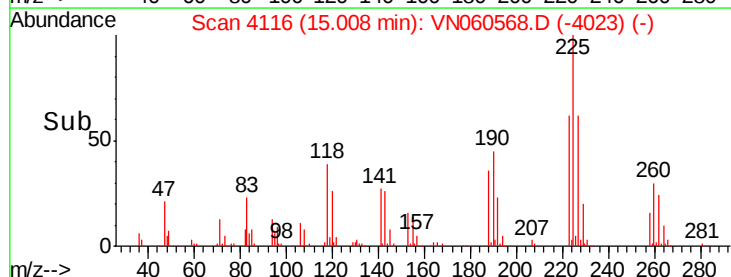


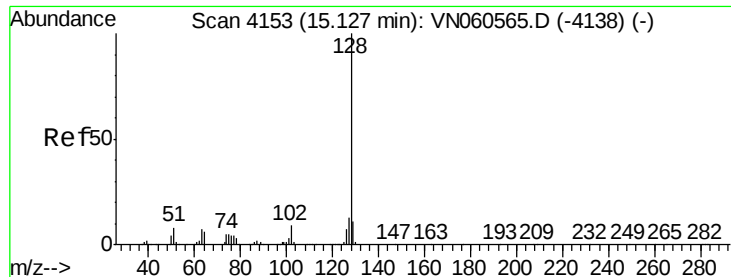
#94
 Hexachlorobutadiene
 Concen: 53.145 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion:225 Resp: 75407
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.6 95.0
 227 62.1 32.3 96.8



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: 56.321 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

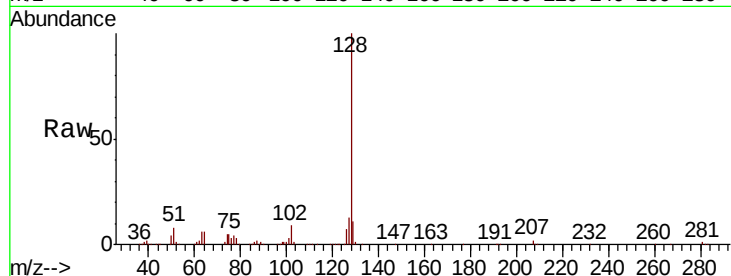
Tot Ion:128 Resp: 490311

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

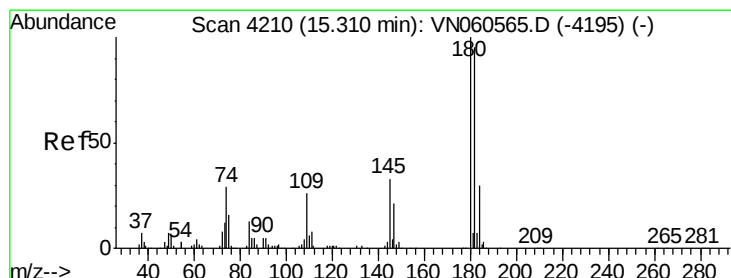
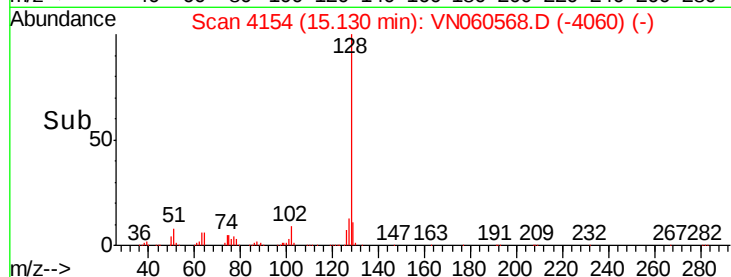
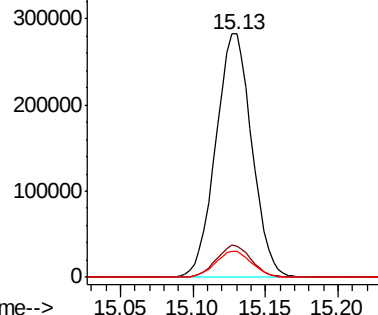
129 10.8 8.8 13.2



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: 53.638 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

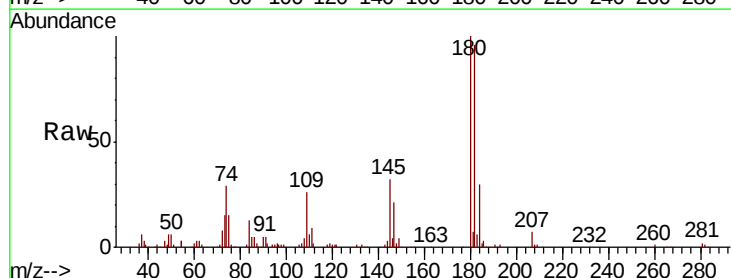
Tgt Ion:180 Resp: 152916

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.6

145 32.5 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

