

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060815.D
 Acq On : 2 Apr 2020 11:49
 Operator : JC/MD
 Sample : VN0402WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 07:40:16 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	192889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129623	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.56	113	97086	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.08	98	384016	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.39	95	137840	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33175	17.775	ug/l	99
3) Chloromethane	2.04	50	57601	16.525	ug/l	97
4) Vinyl Chloride	2.17	62	46597	17.091	ug/l	98
5) Bromomethane	2.55	94	23483	19.952	ug/l	97
6) Chloroethane	2.69	64	29385	18.710	ug/l	98
7) Trichlorofluoromethane	3.00	101	62893	18.726	ug/l	99
8) Diethyl Ether	3.38	74	26486	19.631	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38170	19.614	ug/l	100
10) Methyl Iodide	3.93	142	33154	19.145	ug/l	99
11) Tert butyl alcohol	4.72	59	39320	100.969	ug/l	99
12) 1,1-Dichloroethene	3.72	96	38546	18.457	ug/l	97
13) Acrolein	3.57	56	31394	72.739	ug/l	99
14) Allyl chloride	4.29	41	70876	19.296	ug/l	96
15) Acrylonitrile	4.94	53	109391	95.526	ug/l	100
16) Acetone	3.78	43	104443	111.352	ug/l	99
17) Carbon Disulfide	4.03	76	107715	16.959	ug/l	99
18) Methyl Acetate	4.29	43	53021	20.083	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	135635	18.890	ug/l	97
20) Methylene Chloride	4.52	84	42934	18.608	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	41307	18.559	ug/l	98
22) Diisopropyl ether	5.91	45	153626	19.797	ug/l	99
23) Vinyl Acetate	5.86	43	623505	98.477	ug/l	100
24) 1,1-Dichloroethane	5.82	63	82979	19.615	ug/l	99
25) 2-Butanone	6.80	43	149961	98.804	ug/l	98
26) 2,2-Dichloropropane	6.79	77	69869	20.992	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	48092	19.014	ug/l	98
28) Bromochloromethane	7.17	49	38960	19.249	ug/l	99
29) Tetrahydrofuran	7.18	42	100566	93.647	ug/l	98
30) Chloroform	7.34	83	78077	19.252	ug/l	97
31) Cyclohexane	7.63	56	79231	18.578	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	66232	18.945	ug/l	99
36) 1,1-Dichloropropene	7.77	75	60073	19.854	ug/l	99
37) Ethyl Acetate	6.89	43	62532	19.127	ug/l	99
38) Carbon Tetrachloride	7.75	117	52728	19.444	ug/l	100

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

39) Methylcyclohexane	9.06	83	71846	19.981	ug/l	97
40) Benzene	8.02	78	179246	19.624	ug/l	100
41) Methacrylonitrile	7.13	41	27003	19.353	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62281	19.952	ug/l	99
43) Isopropyl Acetate	8.14	43	105399	19.548	ug/l	100
44) Trichloroethene	8.81	130	45273	19.662	ug/l	99
45) 1,2-Dichloropropane	9.10	63	49828	20.674	ug/l	99
46) Dibromomethane	9.19	93	29074	19.953	ug/l	100
47) Bromodichloromethane	9.38	83	60743	20.061	ug/l	98
48) Methyl methacrylate	9.18	41	45201	18.829	ug/l	99
49) 1,4-Dioxane	9.18	88	13794	483.424	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	302307	98.529	ug/l	99
52) Toluene	10.14	92	108273	19.628	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	70257	20.200	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	76805	20.129	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	42072	19.825	ug/l	98
56) Ethyl methacrylate	10.42	69	62784	18.974	ug/l	98
57) 1,3-Dichloropropane	10.70	76	73538	19.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	130513	79.358	ug/l	99
59) 2-Hexanone	10.74	43	215368	97.443	ug/l	100
60) Dibromochloromethane	10.89	129	42396	19.340	ug/l	98
61) 1,2-Dibromoethane	10.99	107	42236	19.792	ug/l	100
64) Tetrachloroethene	10.62	164	43352	19.396	ug/l	98
65) Chlorobenzene	11.43	112	109238	19.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40691	19.960	ug/l	98
67) Ethyl Benzene	11.50	91	205905	19.664	ug/l	99
68) m/p-Xylenes	11.61	106	152869	39.287	ug/l	99
69) o-Xylene	11.94	106	72671	19.564	ug/l	99
70) Styrene	11.96	104	114854	18.906	ug/l	99
71) Bromoform	12.12	173	30006	18.794	ug/l #	99
73) Isopropylbenzene	12.24	105	197070	20.001	ug/l	99
74) N-amyl acetate	12.06	43	87199	19.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	58972	19.792	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	79427	28.036	ug/l #	100
77) Bromobenzene	12.52	156	45964	19.359	ug/l	99
78) n-propylbenzene	12.59	91	230747	19.822	ug/l	98
79) 2-Chlorotoluene	12.67	91	134845	19.387	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	165750	19.823	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21125	19.151	ug/l	98
82) 4-Chlorotoluene	12.77	91	140095	19.776	ug/l	99
83) tert-Butylbenzene	12.99	119	138887	20.037	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	165579	20.016	ug/l	99
85) sec-Butylbenzene	13.17	105	190191	20.405	ug/l	99
86) p-Isopropyltoluene	13.28	119	169205	20.188	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	83083	19.841	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	82721	19.662	ug/l	99
89) n-Butylbenzene	13.61	91	154093	20.363	ug/l	100
90) Hexachloroethane	13.87	117	25305	20.770	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	80531	20.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11294	17.925	ug/l	93

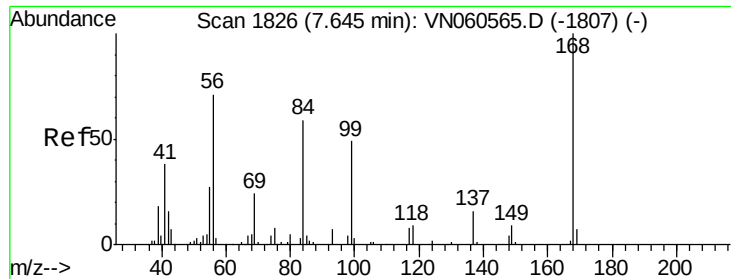
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48228	19.614	ug/l	99
94) Hexachlorobutadiene	15.01	225	25560	21.205	ug/l	100
95) Naphthalene	15.13	128	134860	18.235	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46219	19.084	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

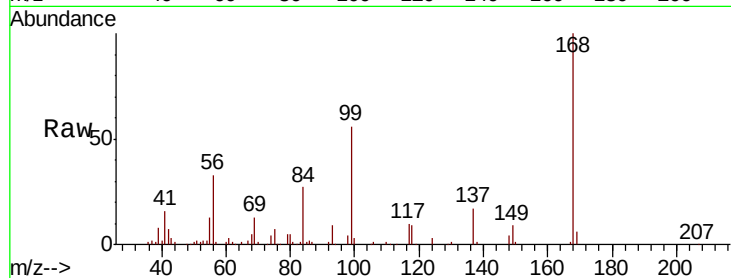
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 192889

Ion Ratio Lower Upper

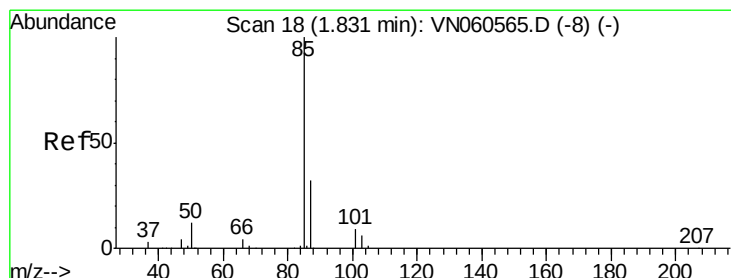
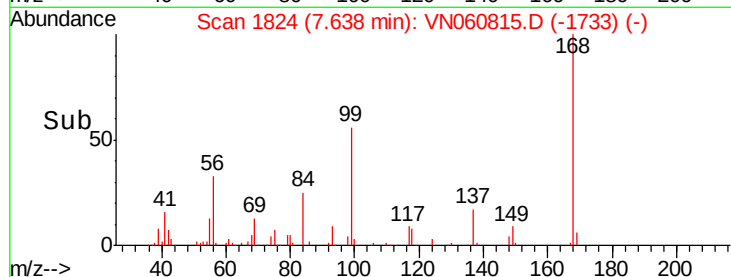
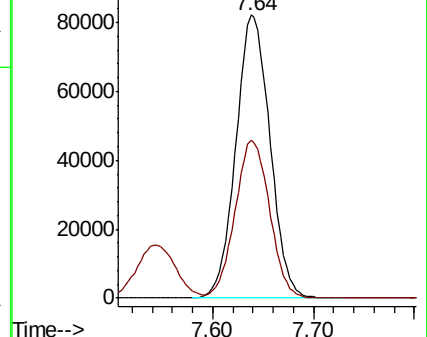
168 100

99 55.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060815.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060815.D (-1733) (-)



#2

Dichlorodifluoromethane

Concen: 17.775 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060815.D

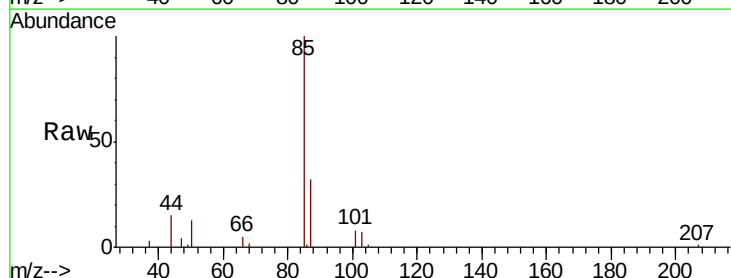
Acq: 2 Apr 2020 11:49

Tgt Ion: 85 Resp: 33175

Ion Ratio Lower Upper

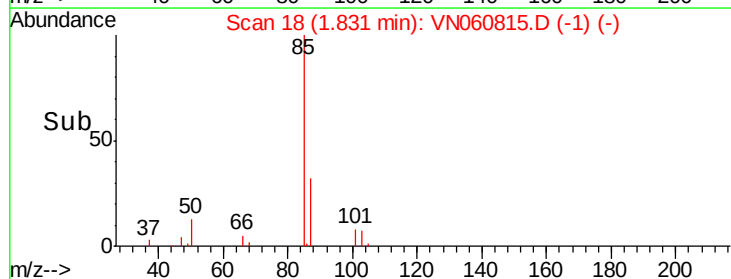
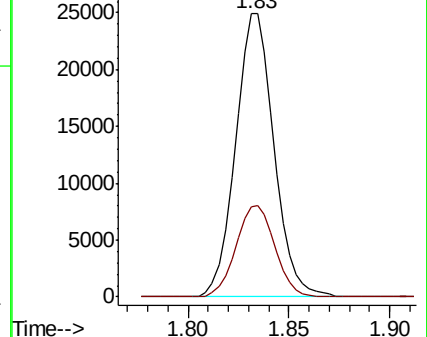
85 100

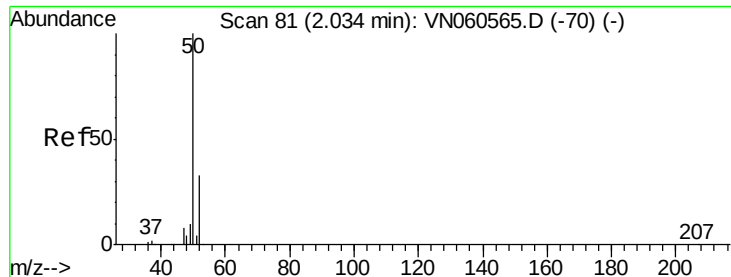
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060815.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN060815.D (-1) (-)





#3

Chloromethane

Concen: 16.525 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

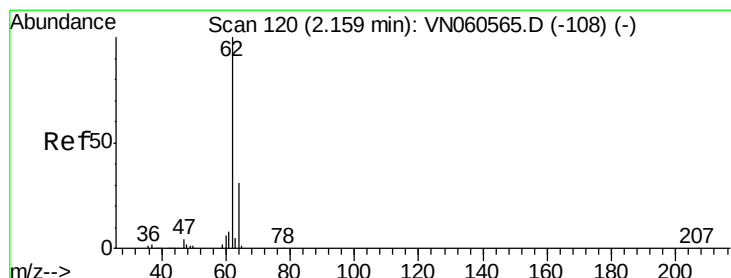
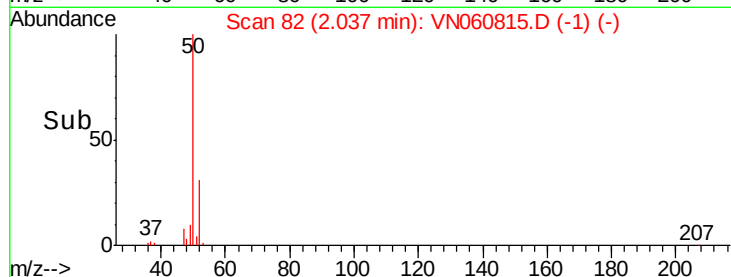
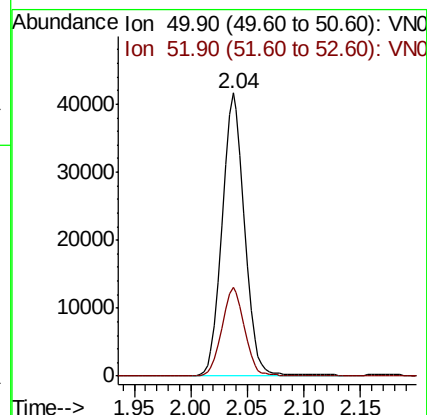
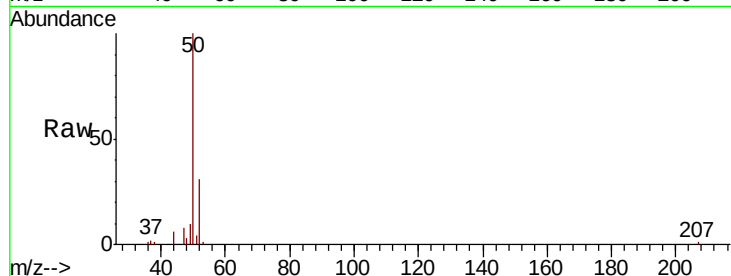
ClientSampled :

Tot Ion: 50 Resp: 57601

Ion Ratio Lower Upper

50 100

52 31.2 26.2 39.2



#4

Vinyl Chloride

Concen: 17.091 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060815.D

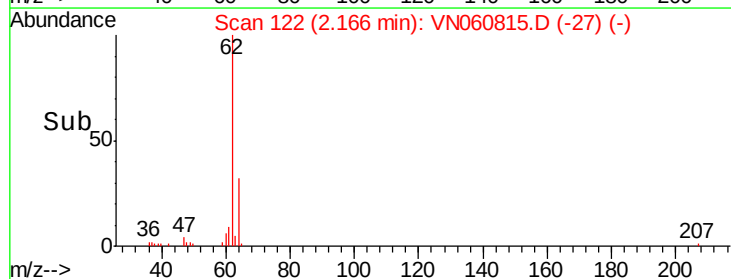
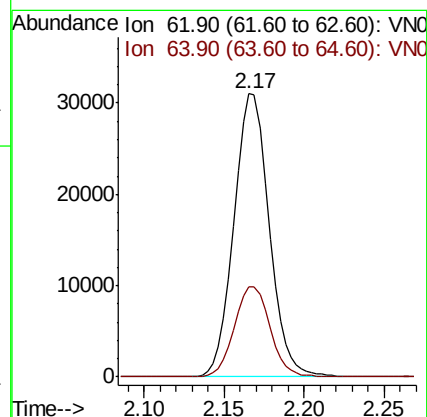
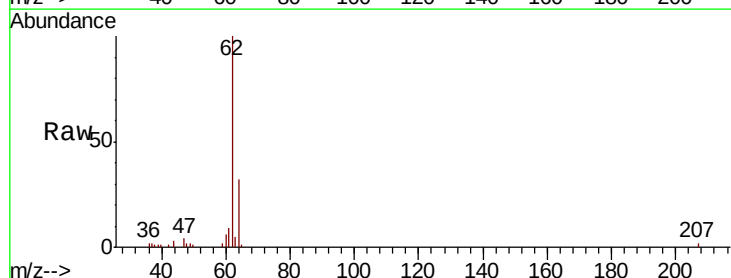
Acq: 2 Apr 2020 11:49

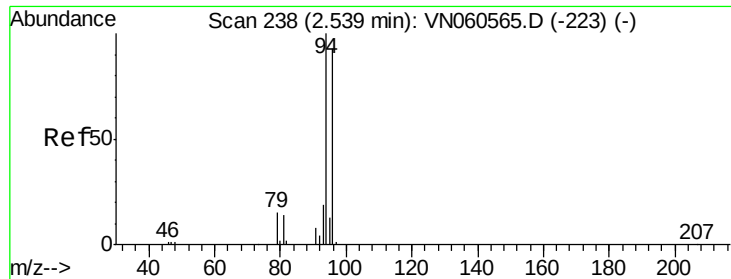
Tgt Ion: 62 Resp: 46597

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 19.952 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

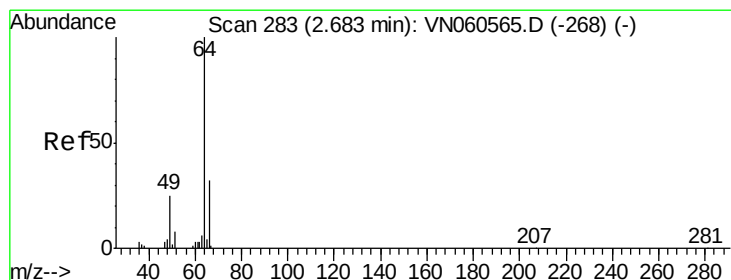
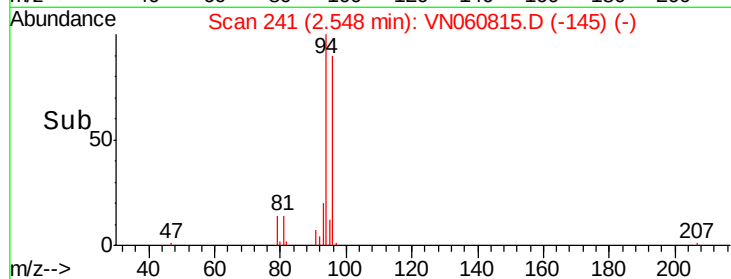
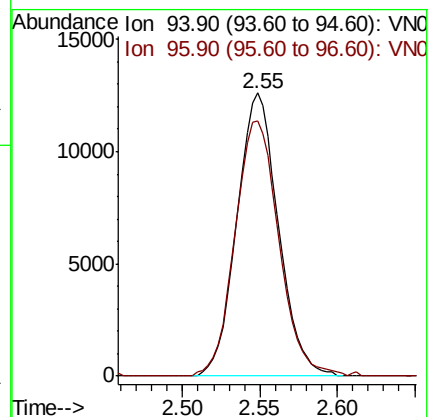
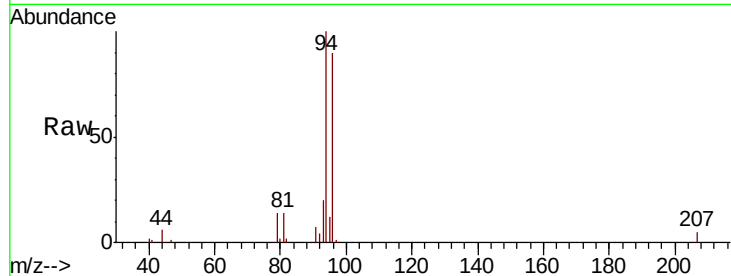
ClientSampled :

Tot Ion: 94 Resp: 23483

Ion Ratio Lower Upper

94 100

96 90.0 74.6 112.0



#6

Chloroethane

Concen: 18.710 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060815.D

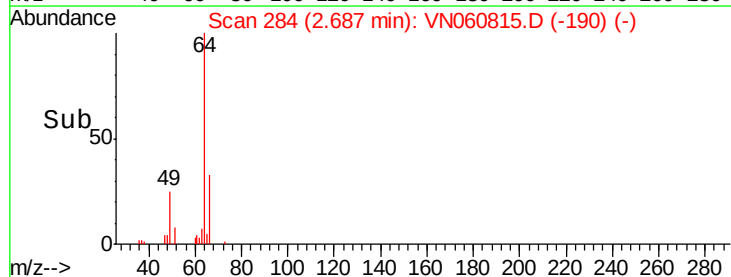
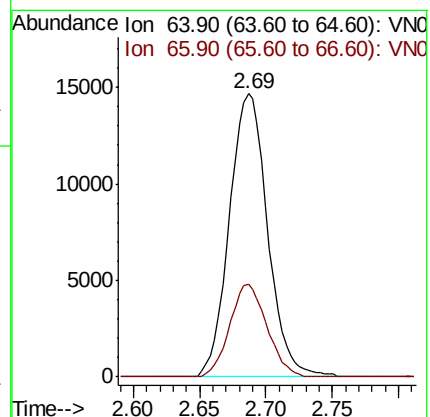
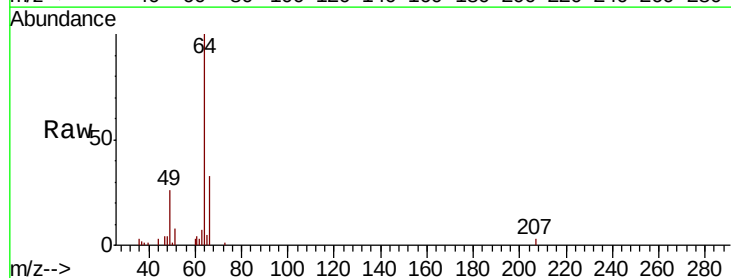
Acq: 2 Apr 2020 11:49

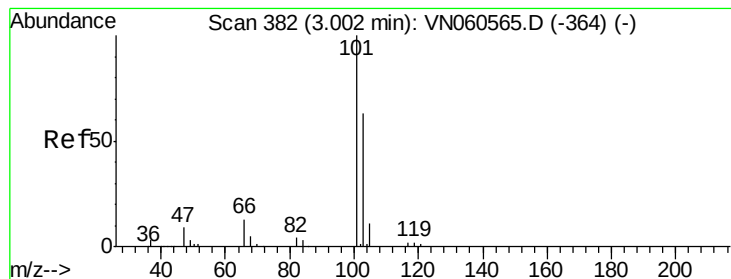
Tgt Ion: 64 Resp: 29385

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9



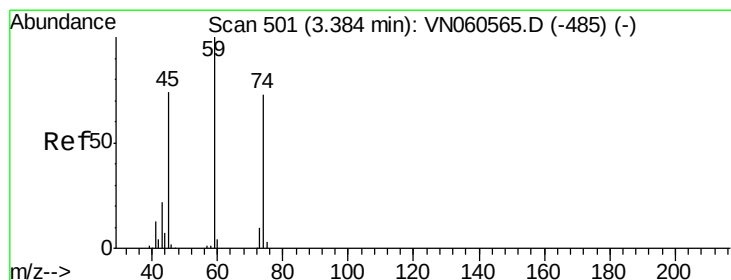
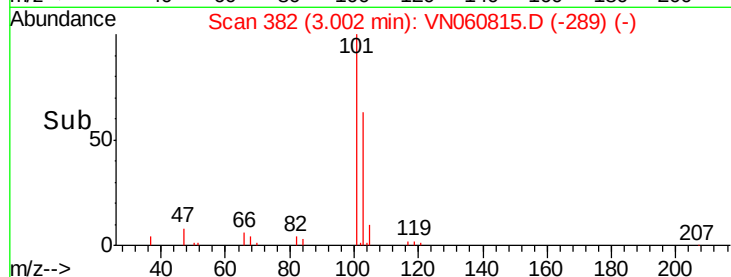
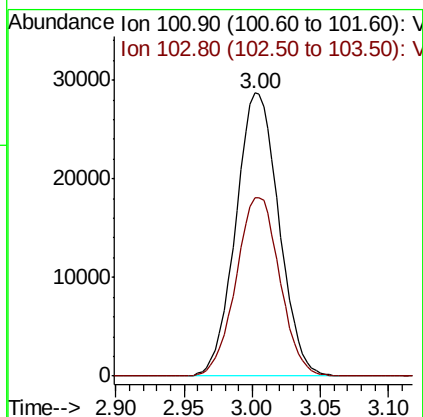
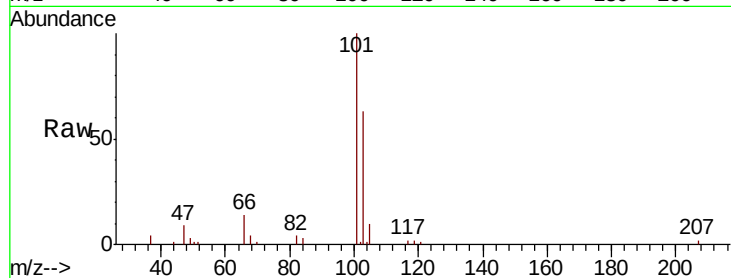


#7

Trichlorofluoromethane
 Concen: 18.726 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :

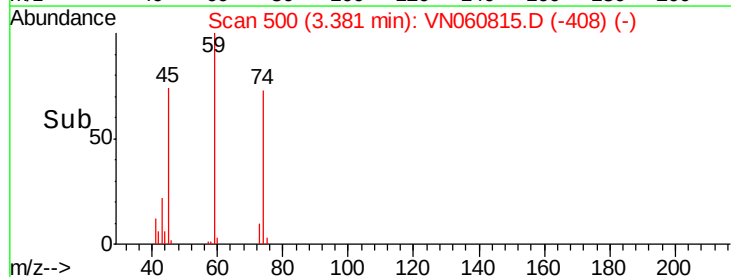
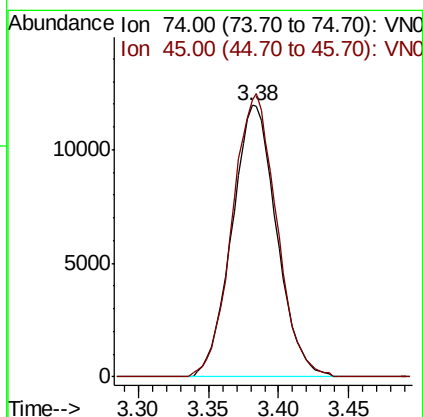
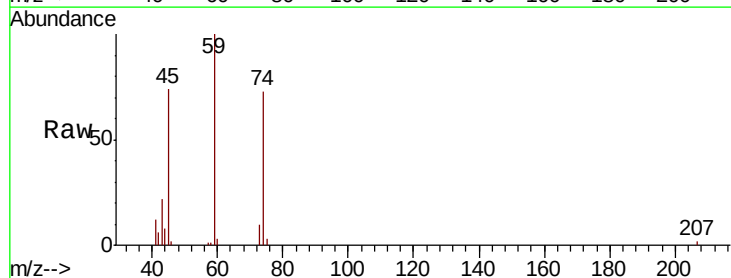
Tot Ion:101 Resp: 62893
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.6 76.0

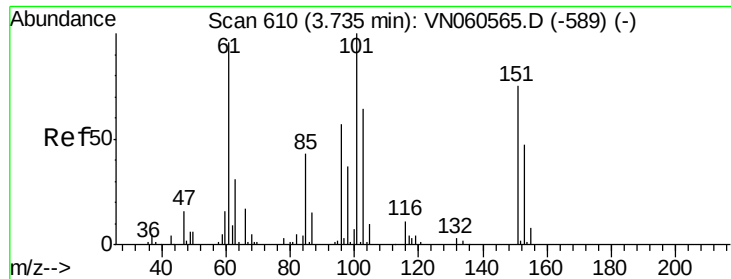


#8

Diethyl Ether
 Concen: 19.631 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion: 74 Resp: 26486
 Ion Ratio Lower Upper
 74 100
 45 103.7 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.614 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

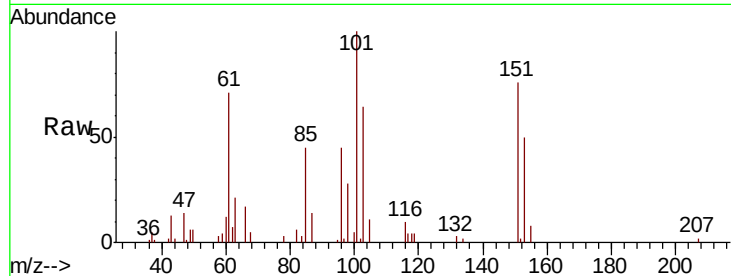
Tot Ion:101 Resp: 38170

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

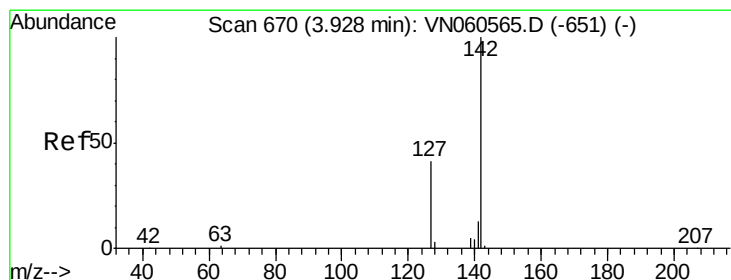
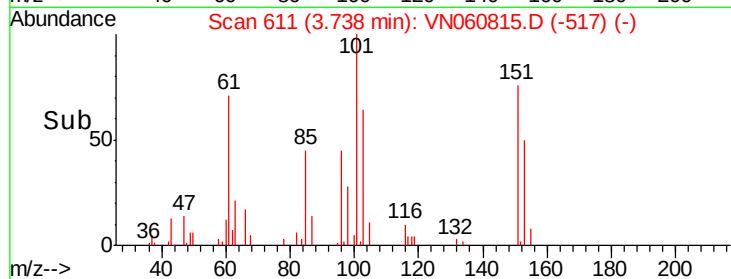
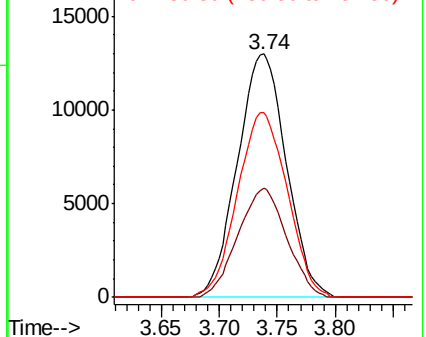
151 77.2 61.4 92.2



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: 19.145 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

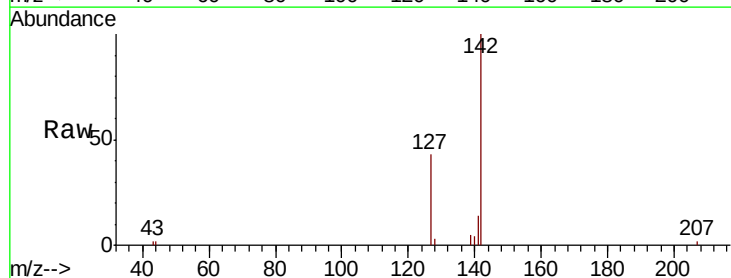
Tgt Ion:142 Resp: 33154

Ion Ratio Lower Upper

142 100

127 41.3 33.5 50.3

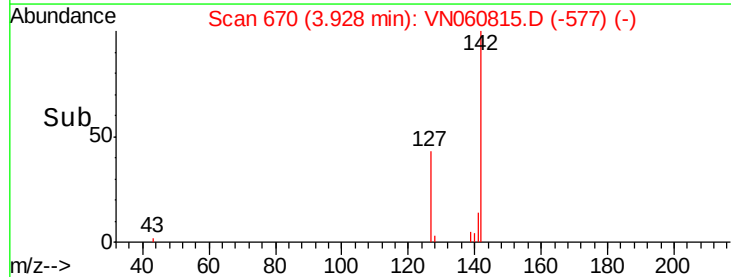
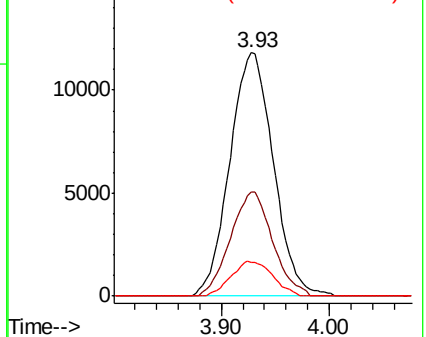
141 13.7 11.0 16.6

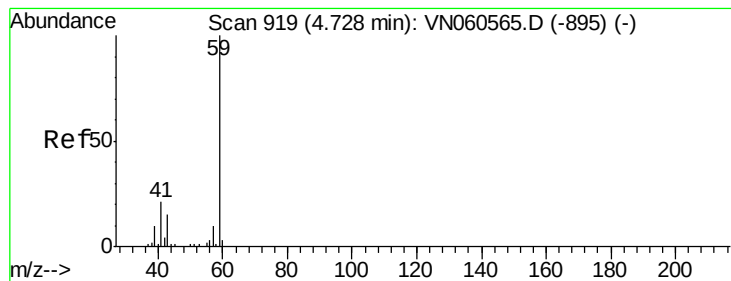


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



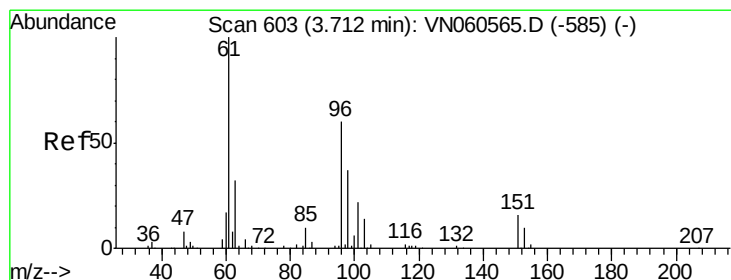
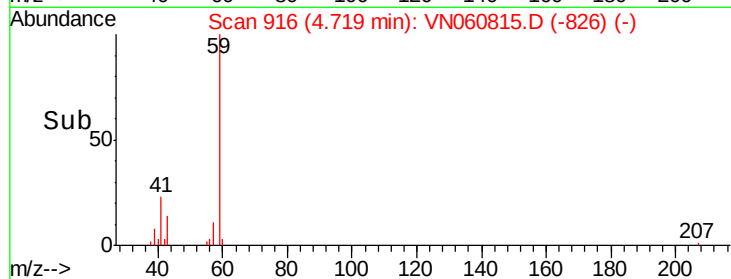
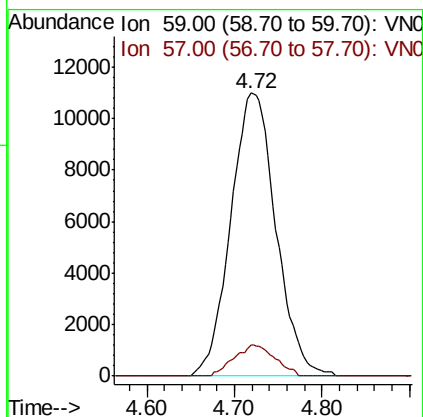
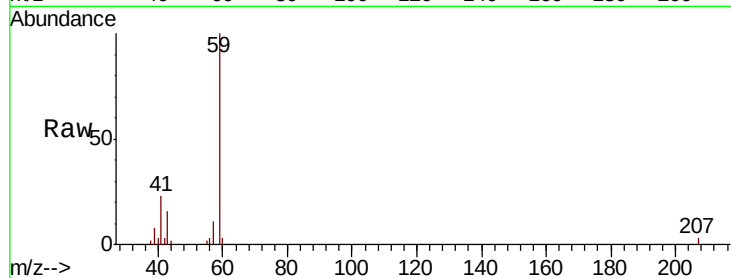


#11

Tert butyl alcohol
 Concen: 100.969 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :

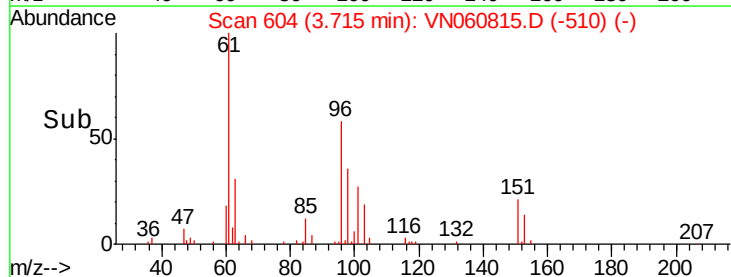
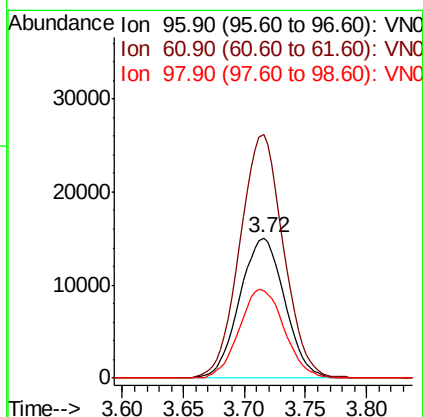
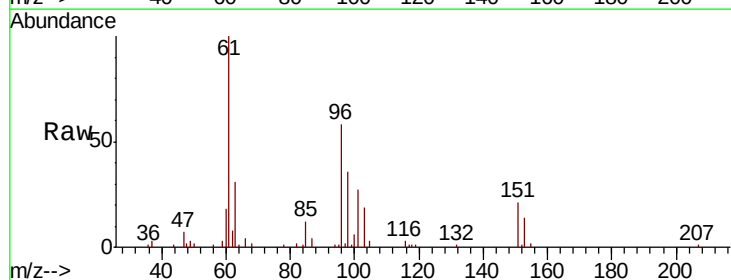
Tot Ion: 59 Resp: 39320
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

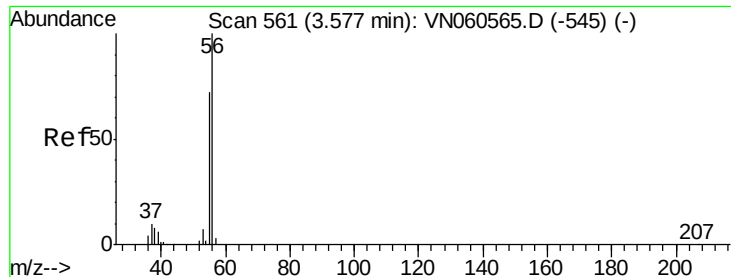


#12

1,1-Dichloroethene
 Concen: 18.457 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion: 96 Resp: 38546
 Ion Ratio Lower Upper
 96 100
 61 173.8 134.1 201.1
 98 62.2 49.9 74.9





#13

Acrolein

Concen: 72.739 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

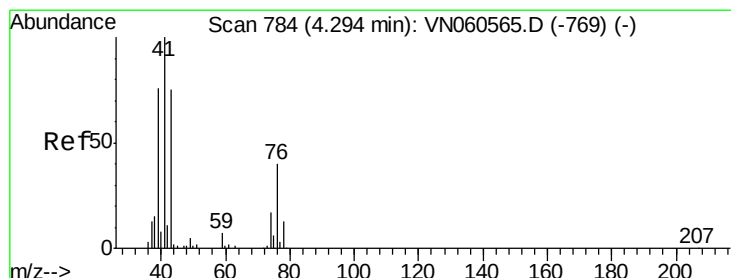
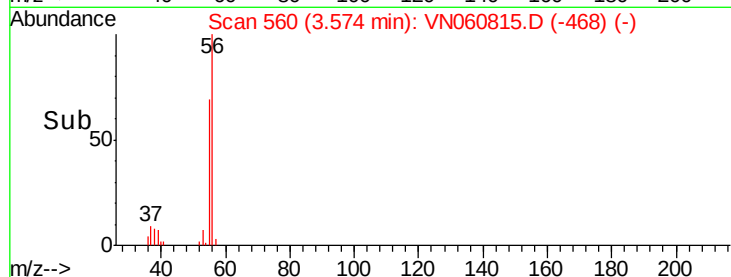
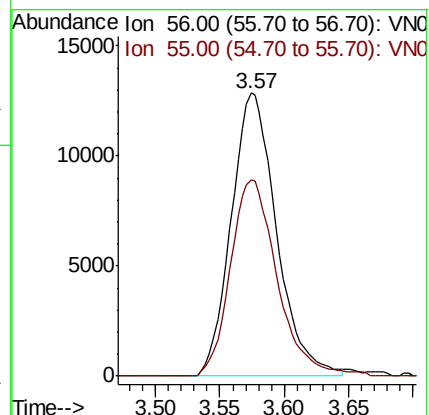
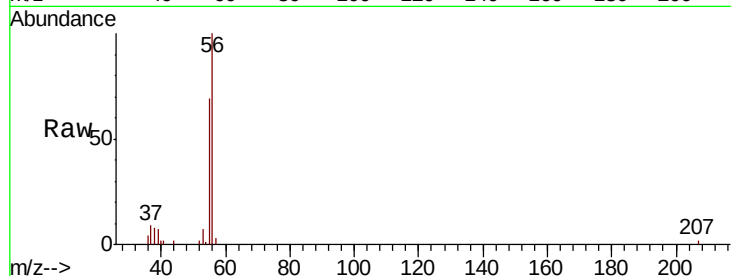
ClientSampled :

Tot Ion: 56 Resp: 31394

Ion Ratio Lower Upper

56 100

55 71.6 56.7 85.1



#14

Allyl chloride

Concen: 19.296 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

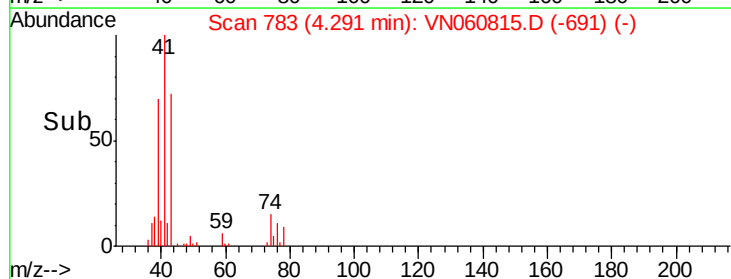
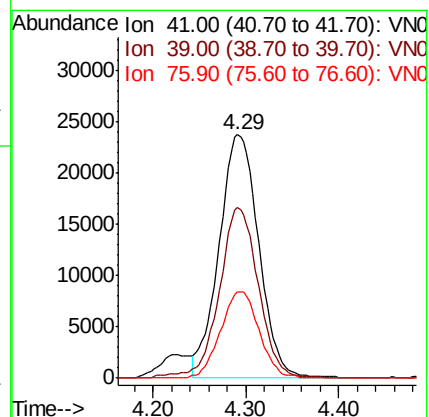
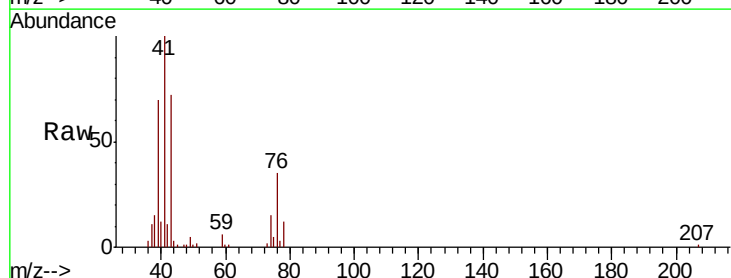
Tgt Ion: 41 Resp: 70876

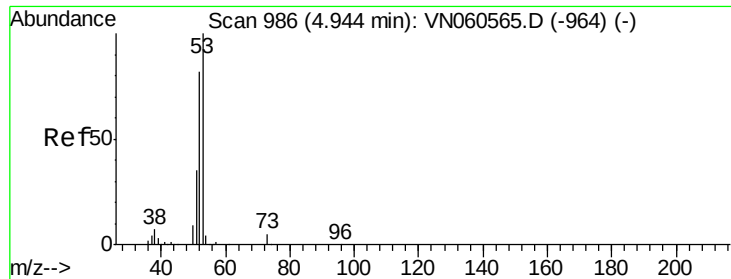
Ion Ratio Lower Upper

41 100

39 68.7 57.8 86.8

76 34.2 28.6 43.0





#15

Acrylonitrile

Concen: 95.526 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

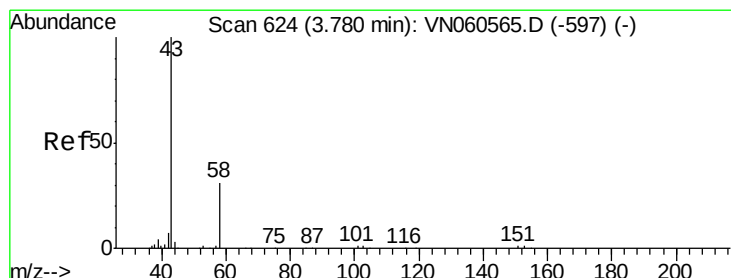
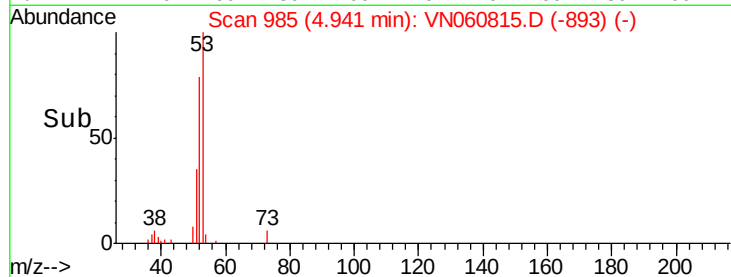
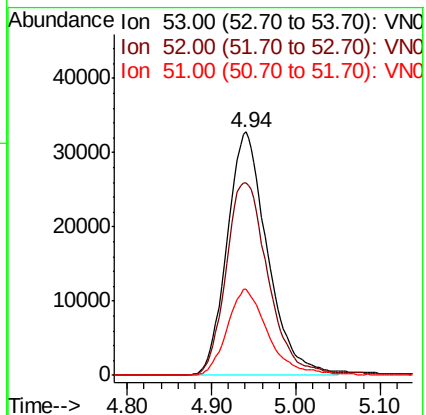
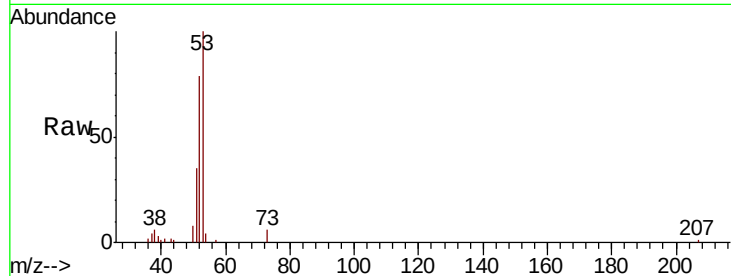
Tot Ion: 53 Resp: 109391

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.4

51 35.6 28.7 43.1



#16

Acetone

Concen: 111.352 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060815.D

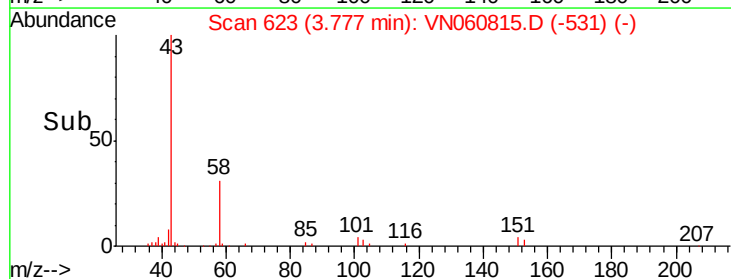
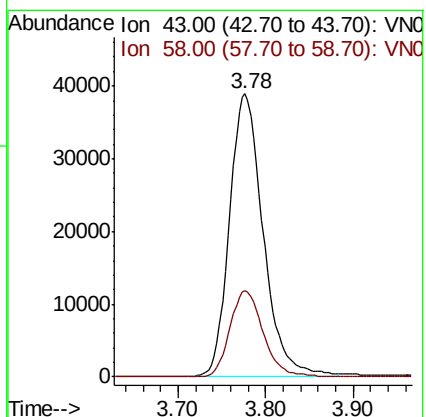
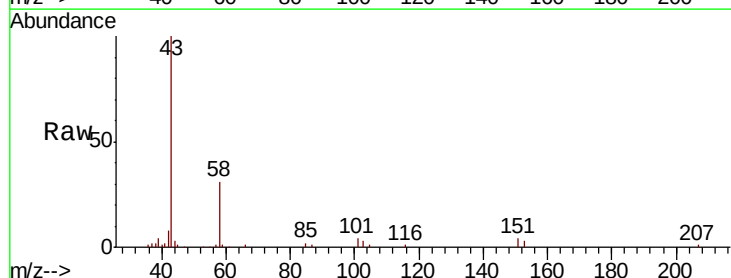
Acq: 2 Apr 2020 11:49

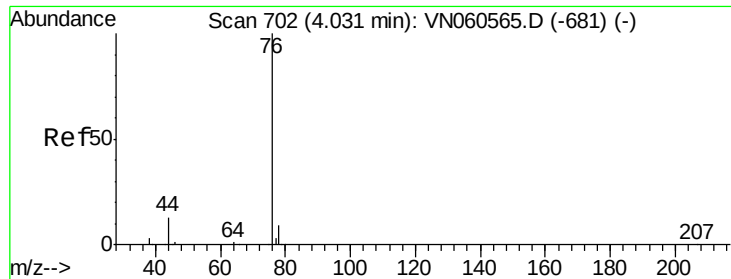
Tgt Ion: 43 Resp: 104443

Ion Ratio Lower Upper

43 100

58 30.6 25.1 37.7

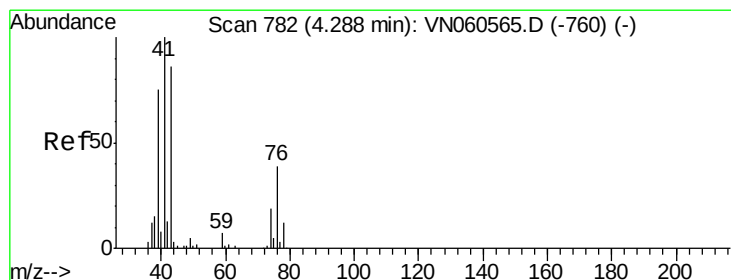
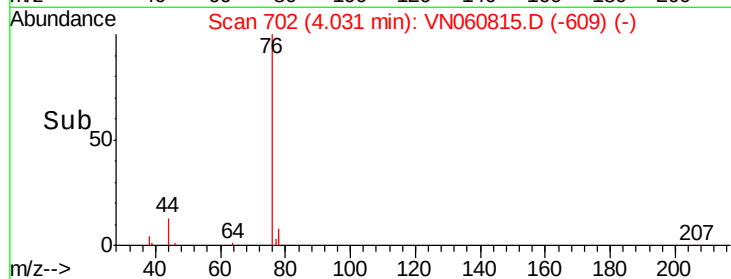
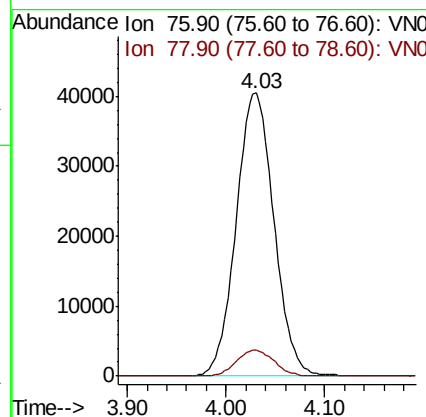
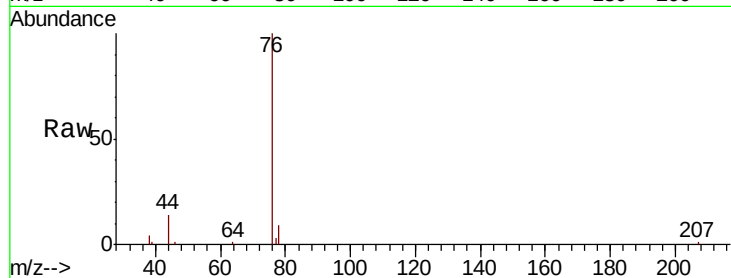




#17
Carbon Disulfide
Concen: 16.959 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

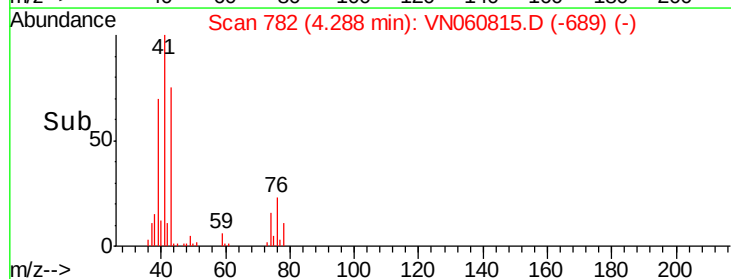
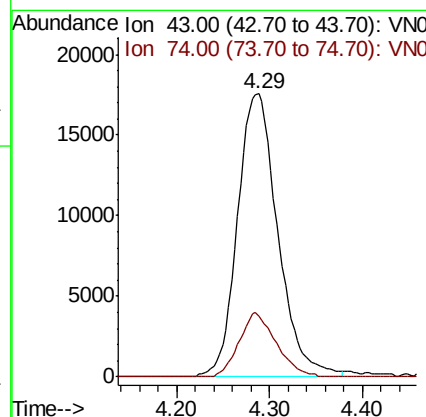
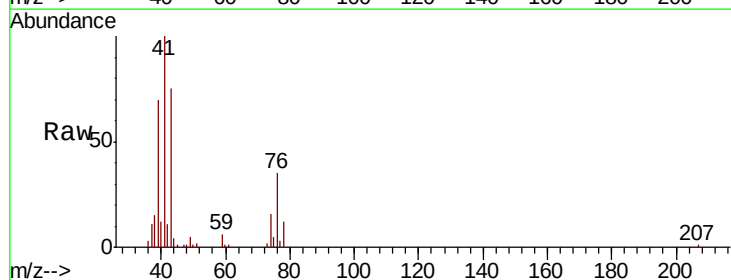
Instrument :
MSVOA_N
ClientSampled :

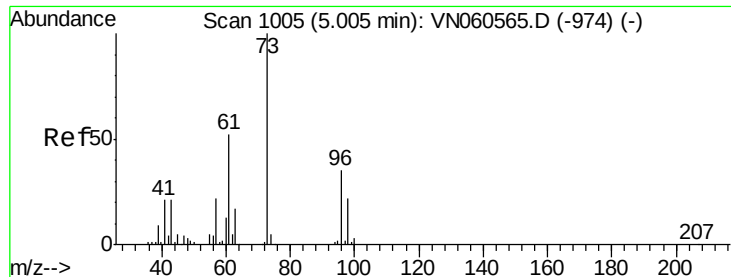
Tot Ion: 76 Resp: 107715
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 20.083 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 43 Resp: 53021
Ion Ratio Lower Upper
43 100
74 20.7 17.5 26.3

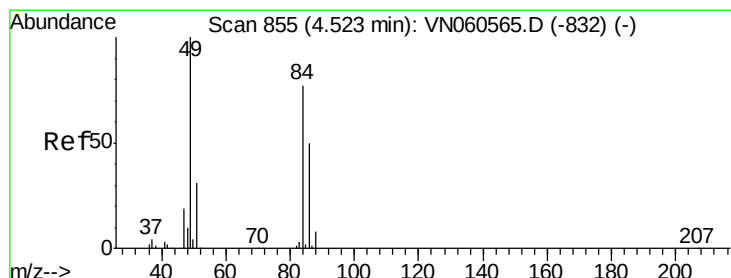
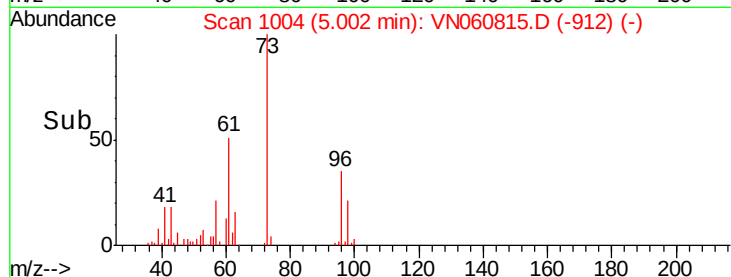
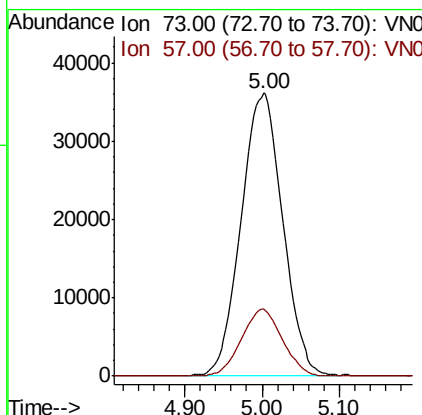
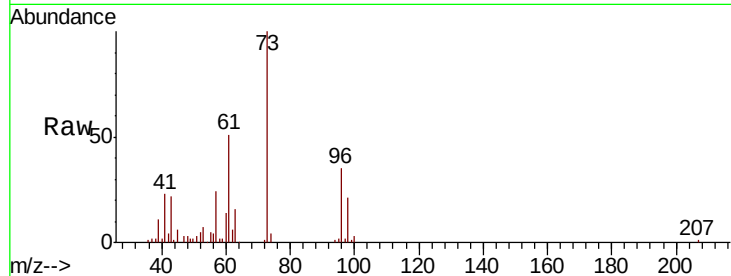




#19
Methyl tert-butyl Ether
Concen: 18.890 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

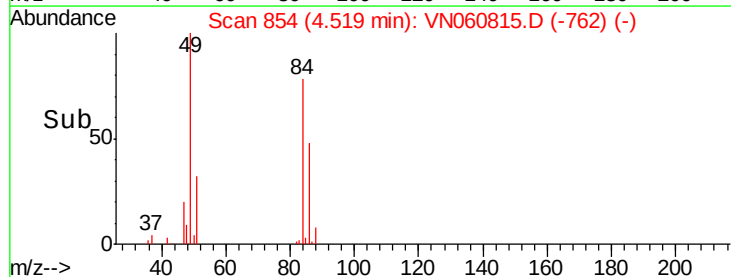
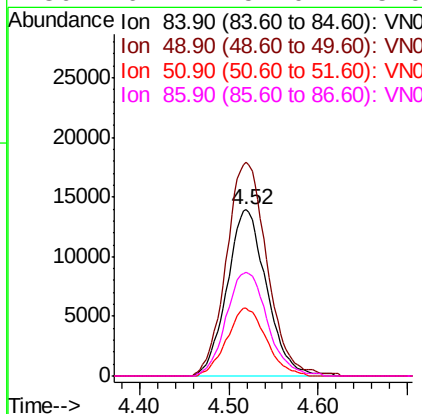
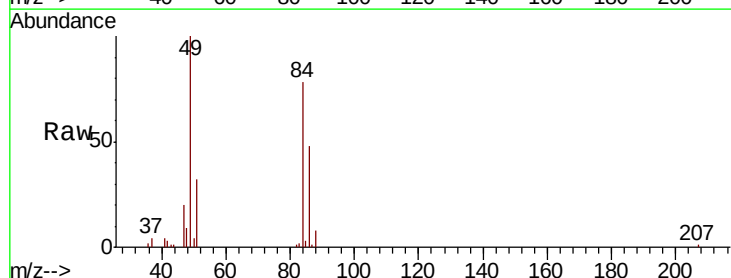
Instrument :
MSVOA_N
ClientSampled :

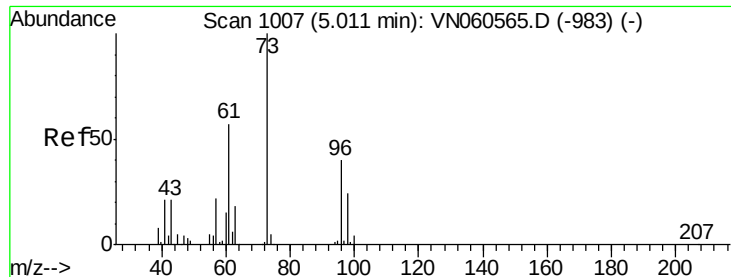
Tot Ion: 73 Resp: 135635
Ion Ratio Lower Upper
73 100
57 23.5 17.5 26.3



#20
Methylene Chloride
Concen: 18.608 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 84 Resp: 42934
Ion Ratio Lower Upper
84 100
49 128.7 103.3 154.9
51 40.6 31.6 47.4
86 62.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.559 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

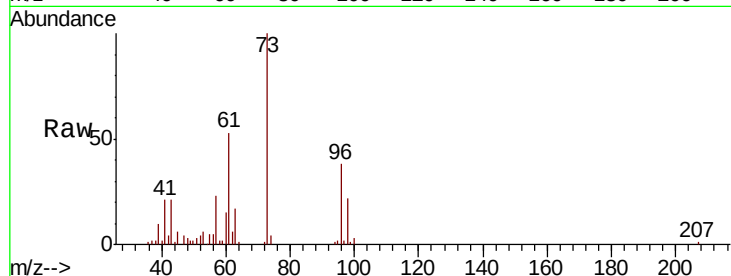
Tot Ion: 96 Resp: 41307

Ion Ratio Lower Upper

96 100

61 141.0 114.4 171.6

98 58.1 48.4 72.6

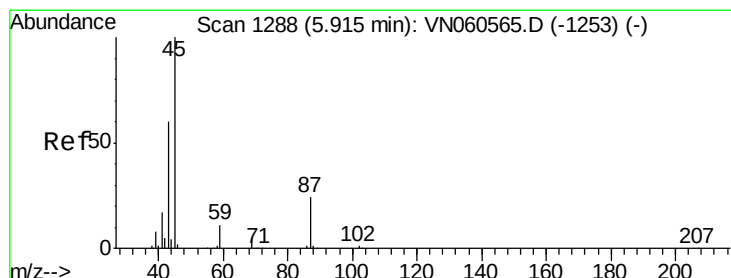
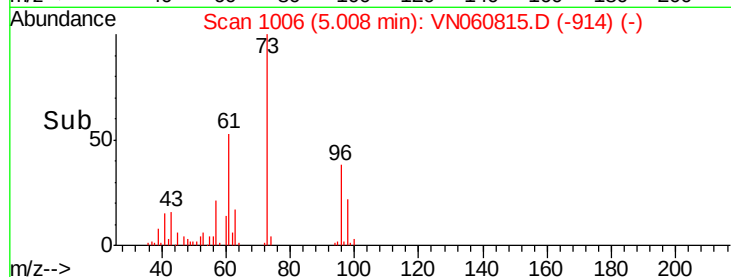
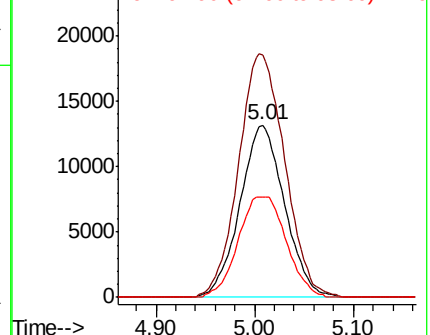


Abundance

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



#22

Diisopropyl ether

Concen: 19.797 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion: 45 Resp: 153626

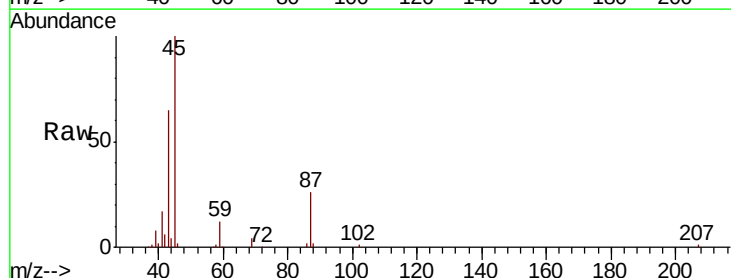
Ion Ratio Lower Upper

45 100

43 62.7 49.8 74.8

87 25.9 20.1 30.1

59 11.6 9.2 13.8



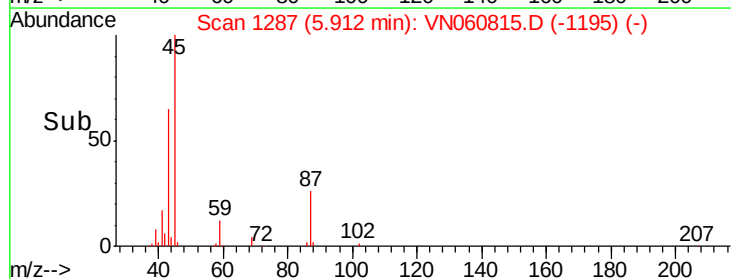
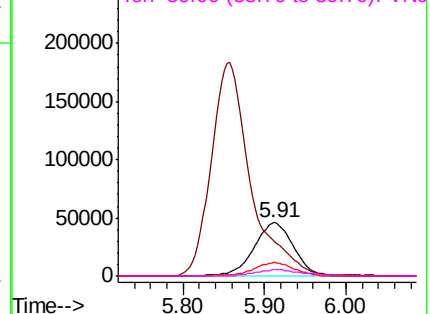
Abundance

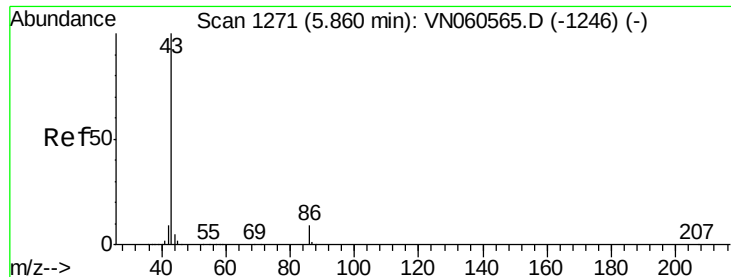
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 98.477 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

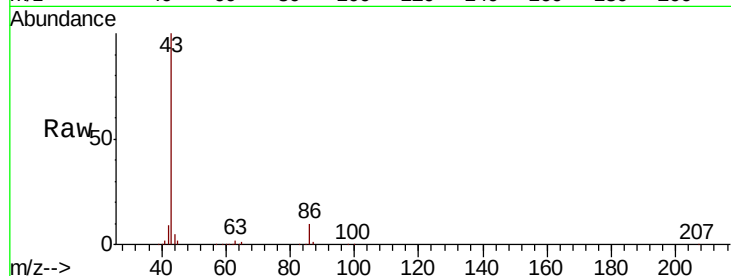
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 623505

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060815.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060815.D (-1178) (-)

5.86

200000

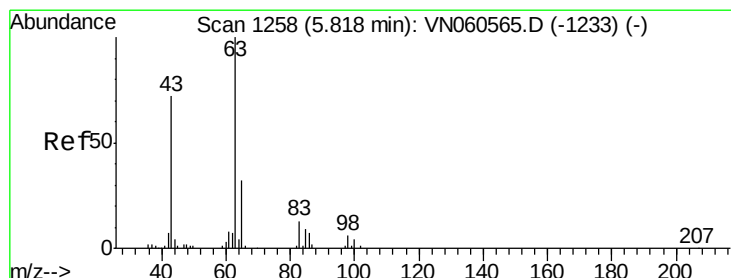
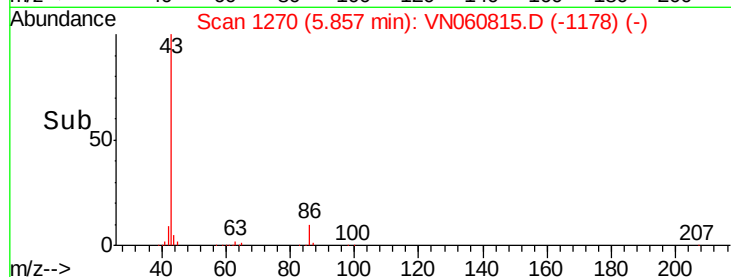
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.615 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

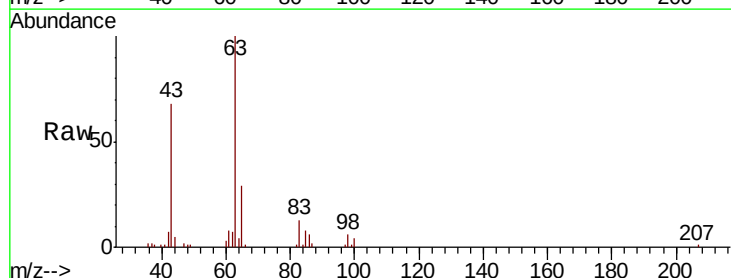
Tgt Ion: 63 Resp: 82979

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060815.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060815.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060815.D (-1165) (-)

5.82

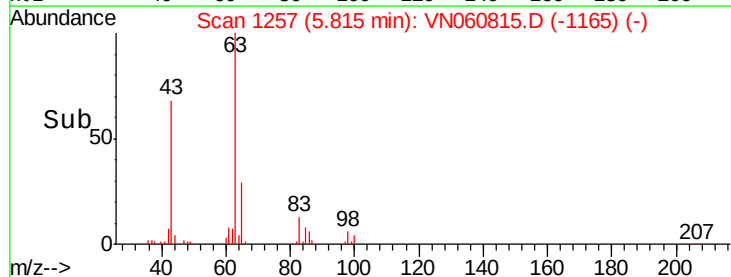
30000

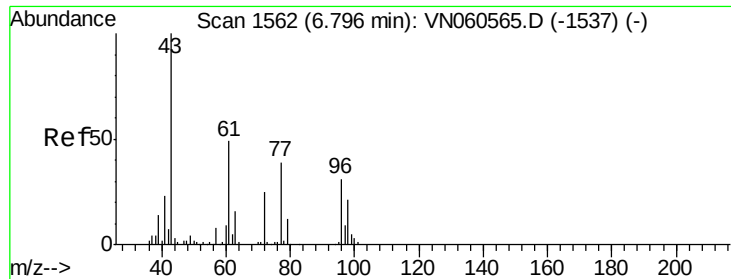
20000

10000

0

Time-->

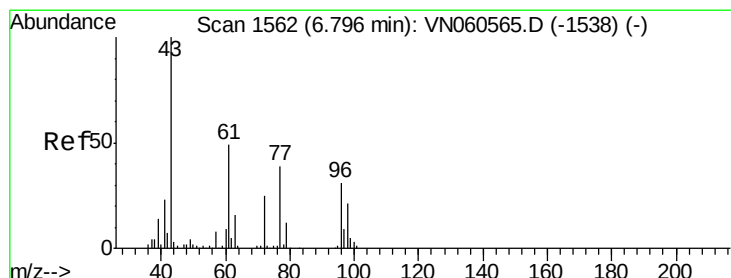
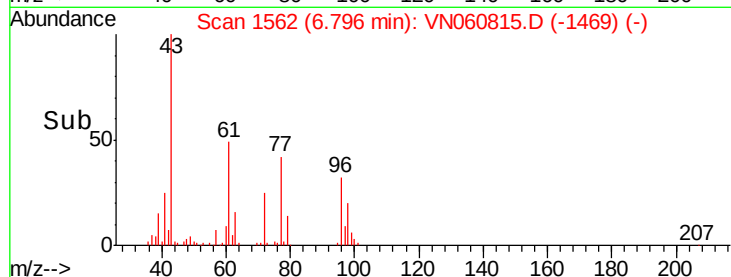
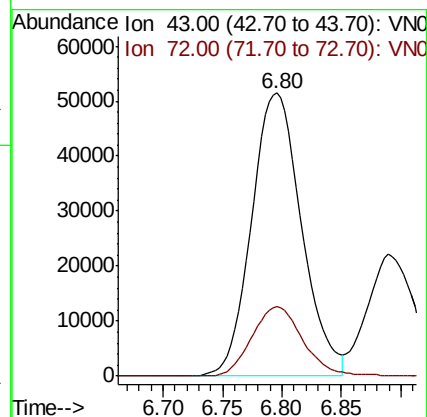
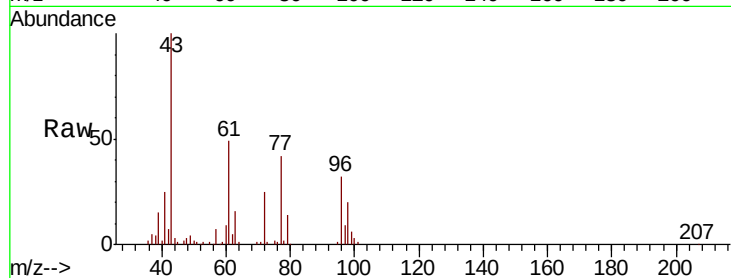




#25
2-Butanone
Concen: 98.804 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

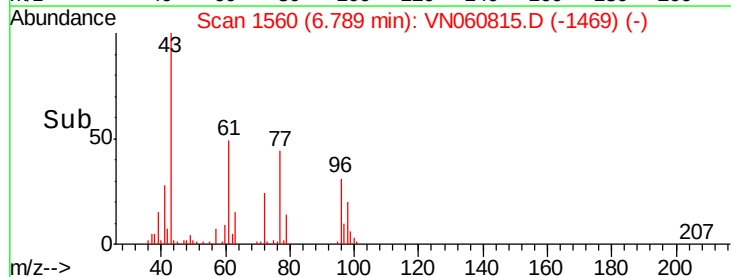
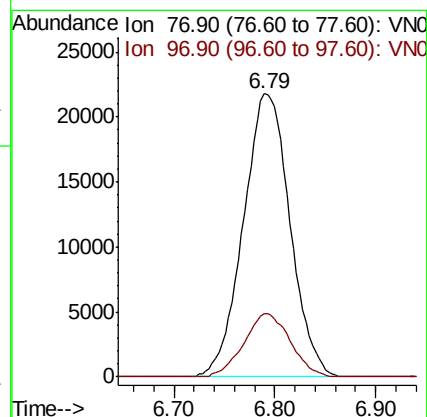
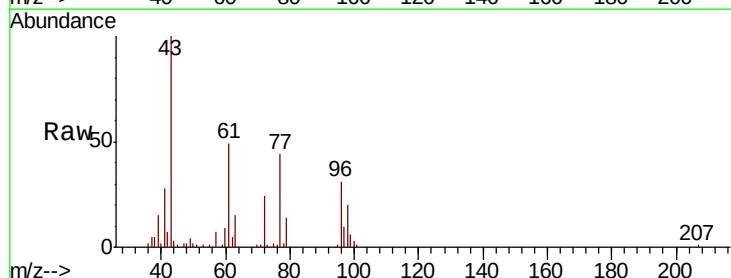
Instrument :
MSVOA_N
ClientSampled :

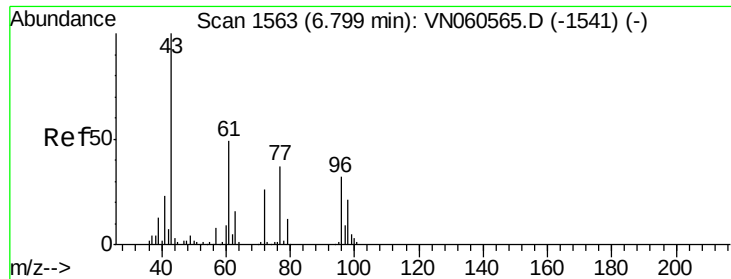
Tot Ion: 43 Resp: 149961
Ion Ratio Lower Upper
43 100
72 24.7 20.4 30.6



#26
2,2-Dichloropropane
Concen: 20.992 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 77 Resp: 69869
Ion Ratio Lower Upper
77 100
97 22.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.014 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :

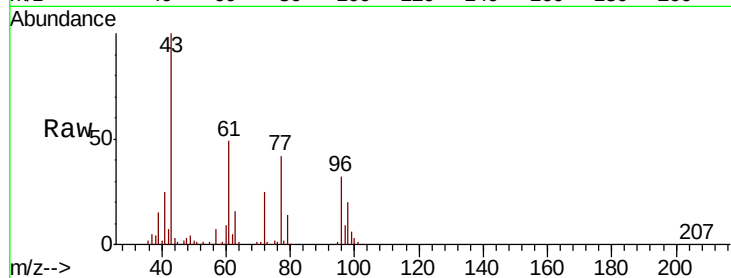
Tot Ion: 96 Resp: 48092

Ion Ratio Lower Upper

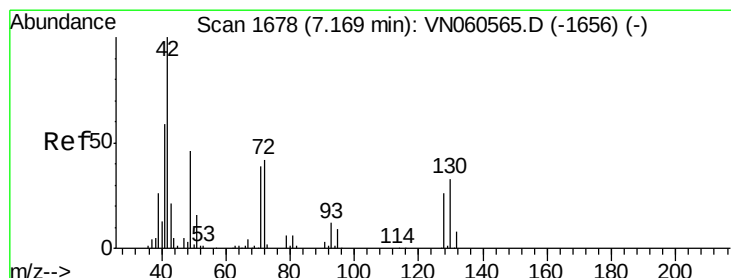
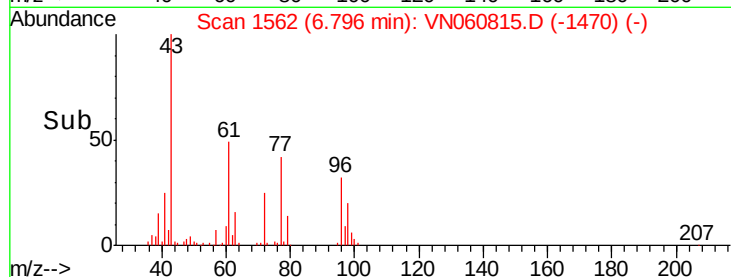
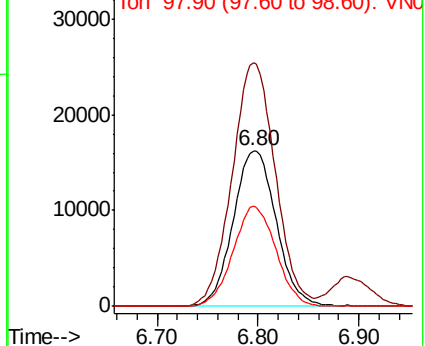
96 100

61 157.0 0.0 305.6

98 63.8 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: 19.249 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

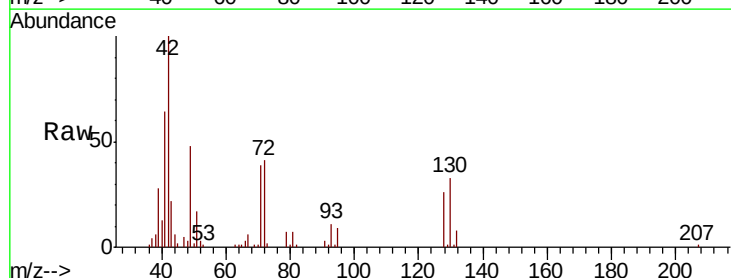
Tgt Ion: 49 Resp: 38960

Ion Ratio Lower Upper

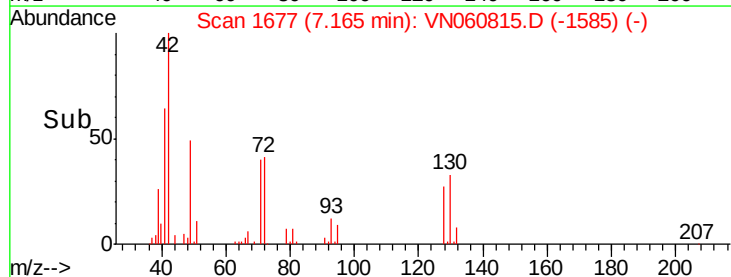
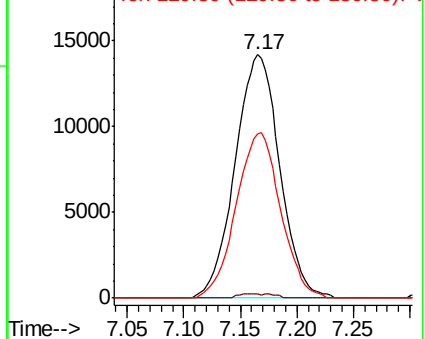
49 100

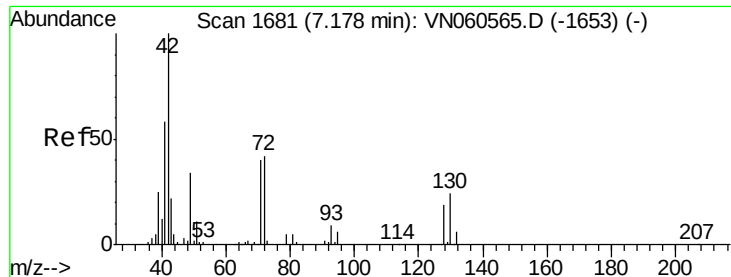
129 1.4 0.0 3.4

130 67.6 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

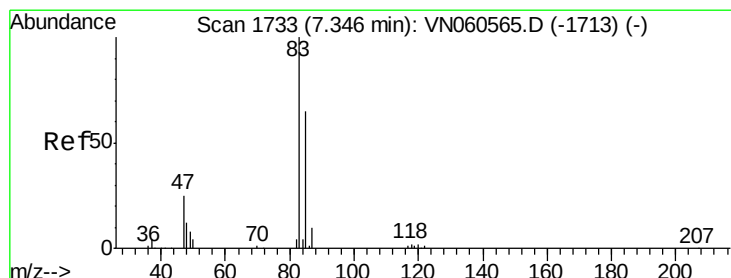
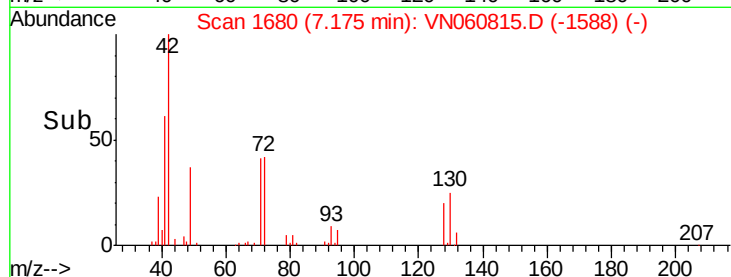
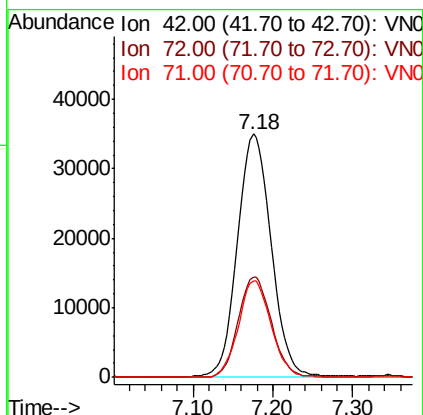
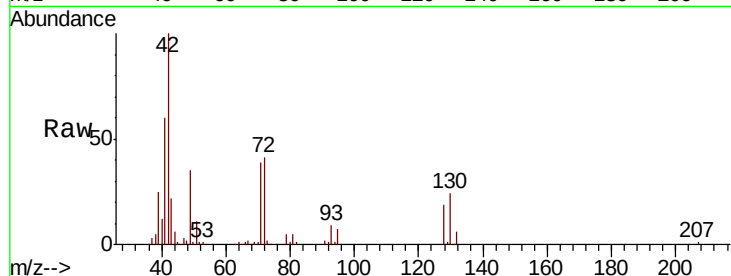




#29
Tetrahydrofuran
Concen: 93.647 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

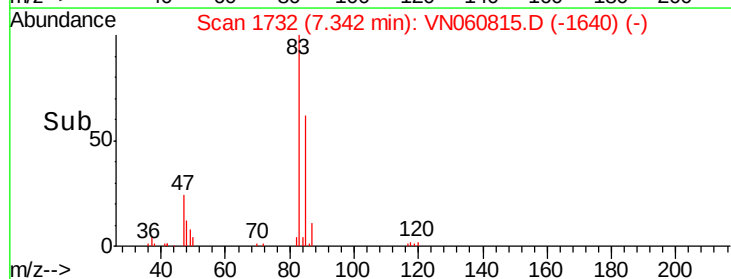
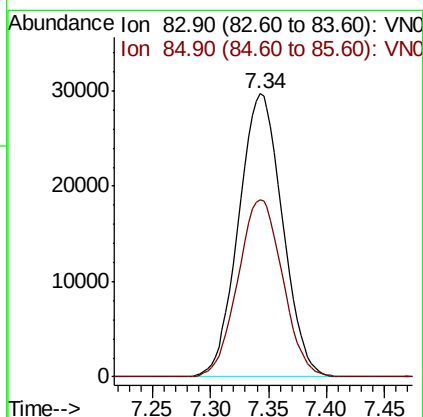
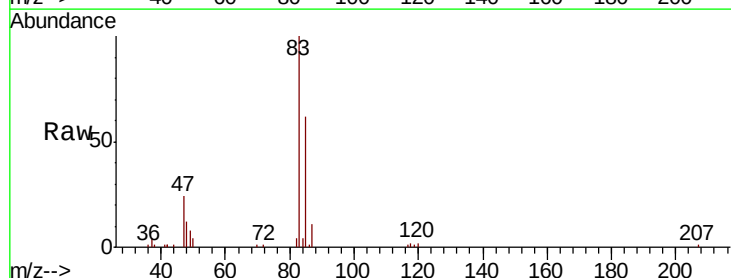
Instrument :
MSVOA_N
ClientSampled :

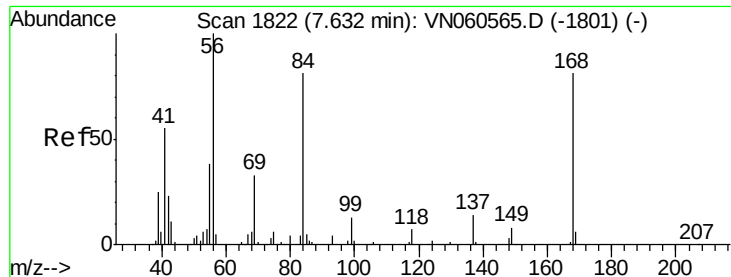
Tot Ion: 42 Resp: 100566
Ion Ratio Lower Upper
42 100
72 40.3 33.2 49.8
71 38.0 31.1 46.7



#30
Chloroform
Concen: 19.252 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 83 Resp: 78077
Ion Ratio Lower Upper
83 100
85 62.5 51.8 77.8

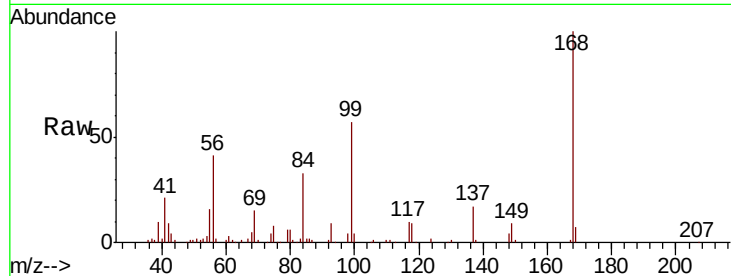




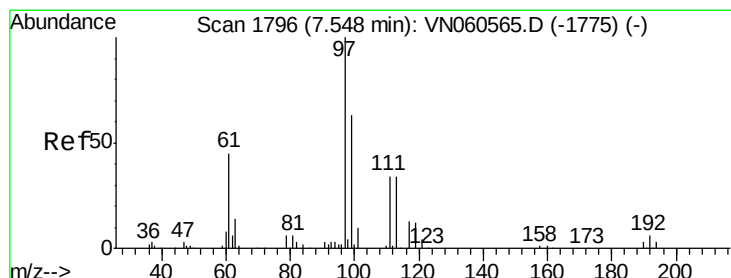
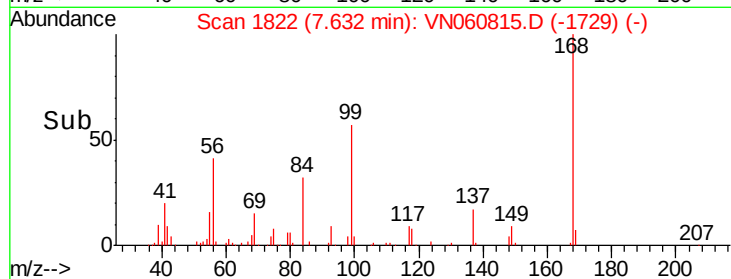
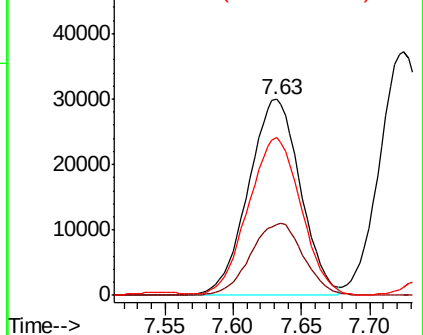
#31
Cyclohexane
Concen: 18.578 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 79231
Ion Ratio Lower Upper
56 100
69 35.8 26.6 40.0
84 79.4 64.3 96.5

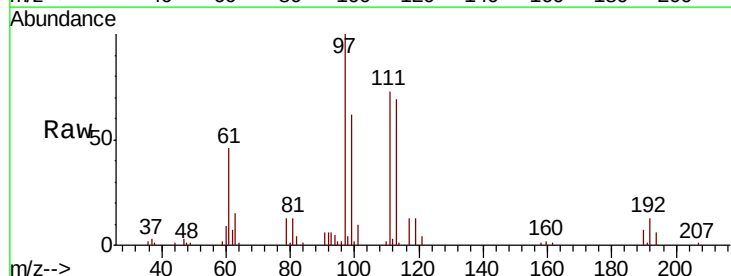


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

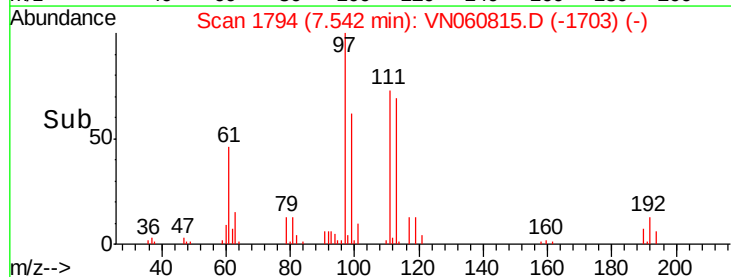
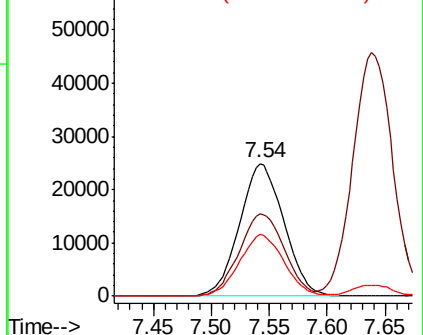


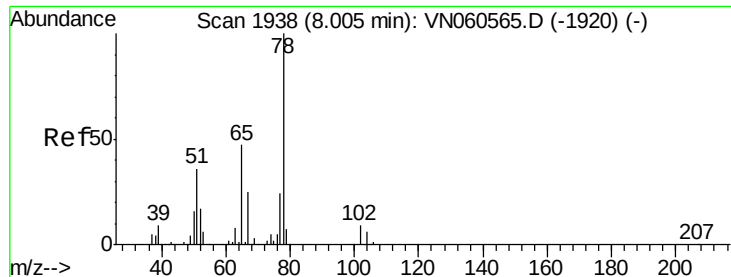
#32
1,1,1-Trichloroethane
Concen: 18.945 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 97 Resp: 66232
Ion Ratio Lower Upper
97 100
99 63.3 50.6 75.8
61 46.5 36.2 54.4



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

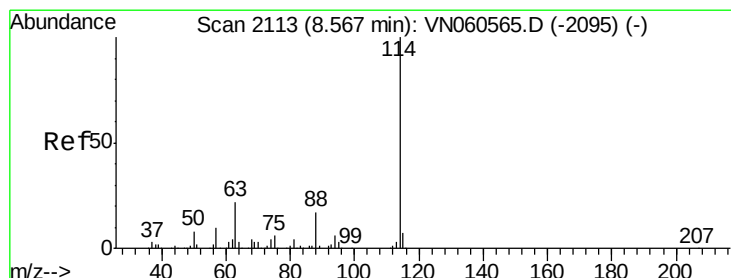
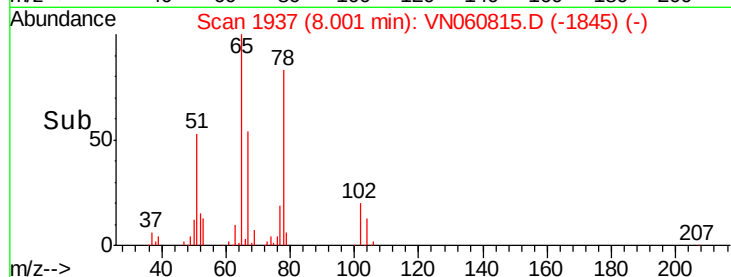
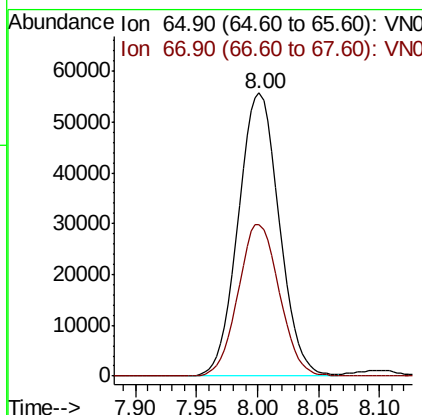
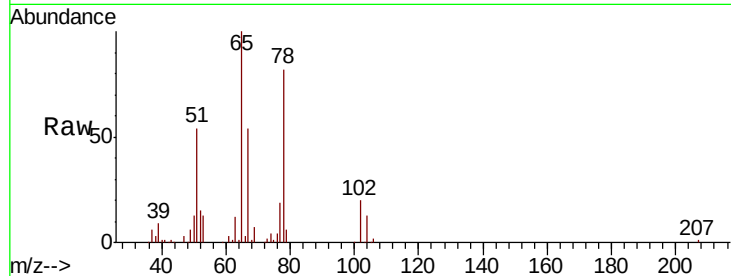




#33
 1,2-Dichloroethane-d4
 Concen: 48.953 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

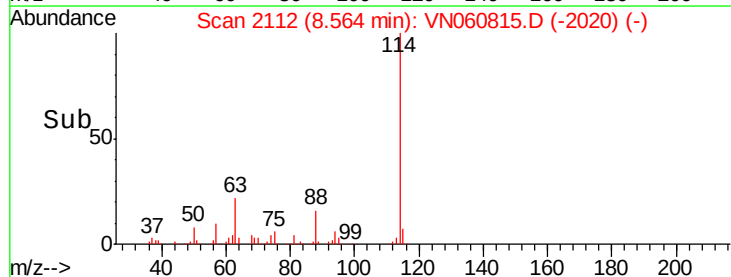
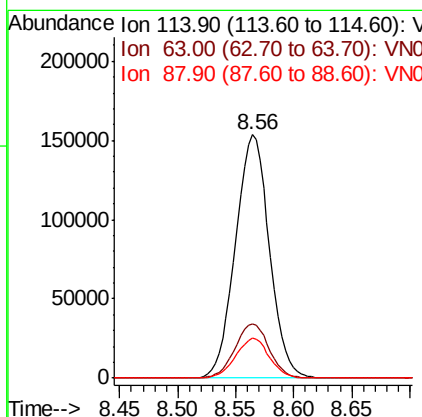
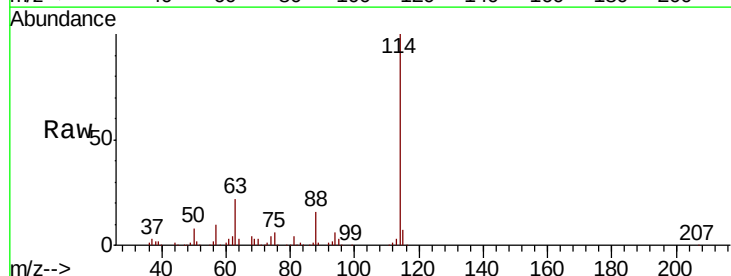
Instrument :
 MSVOA_N
 ClientSampleId :

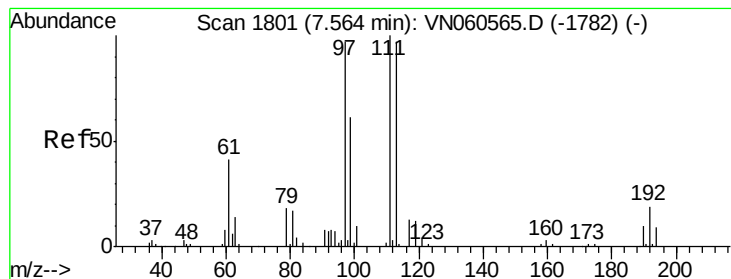
Tot Ion: 65 Resp: 129623
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion: 114 Resp: 312477
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.383 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :

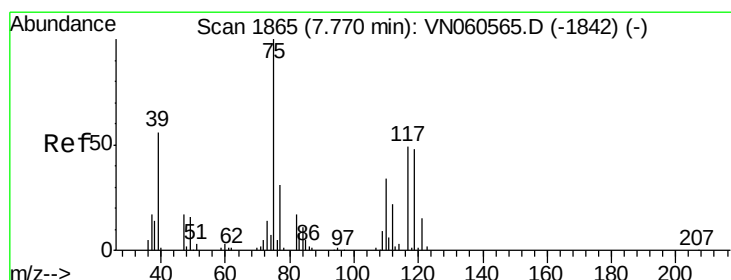
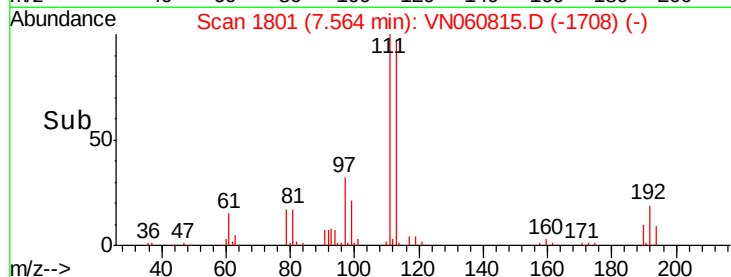
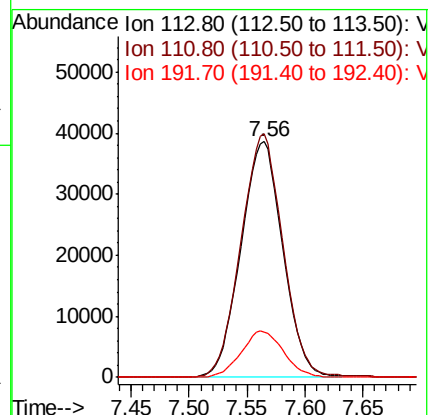
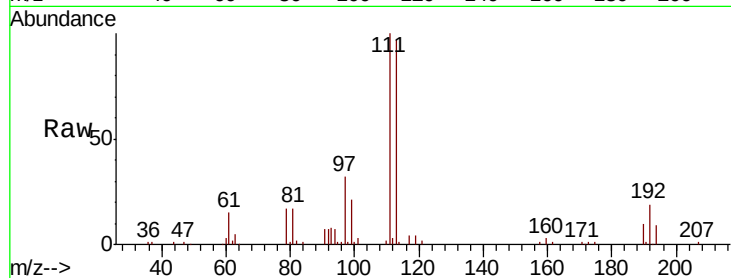
Tot Ion:113 Resp: 97086

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

192 19.7 15.8 23.8



#36

1,1-Dichloropropene

Concen: 19.854 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

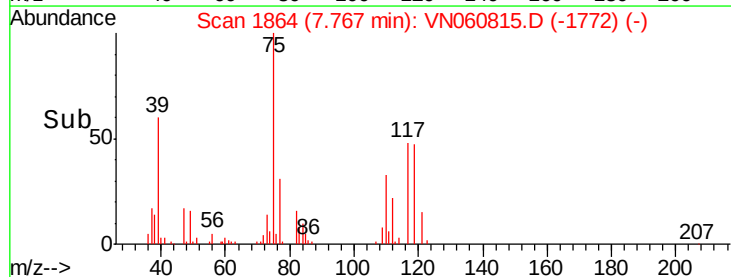
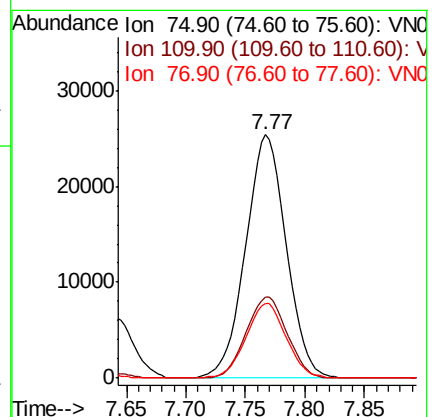
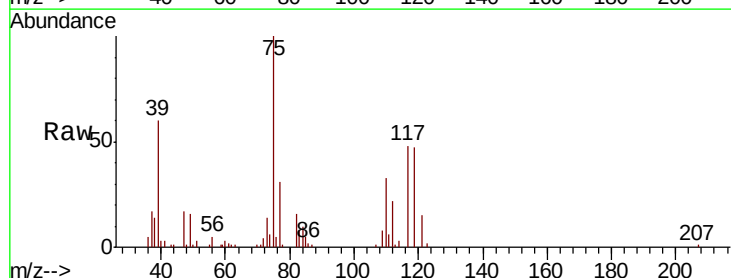
Tgt Ion: 75 Resp: 60073

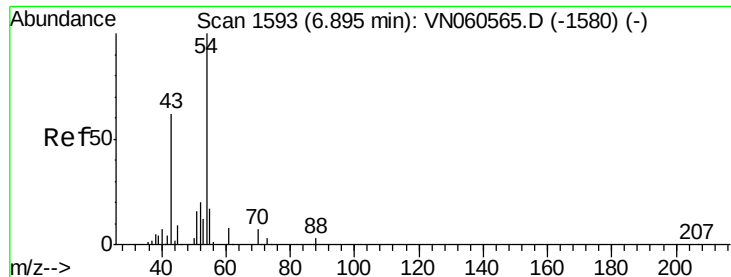
Ion Ratio Lower Upper

75 100

110 33.5 16.9 50.6

77 30.4 24.6 36.8

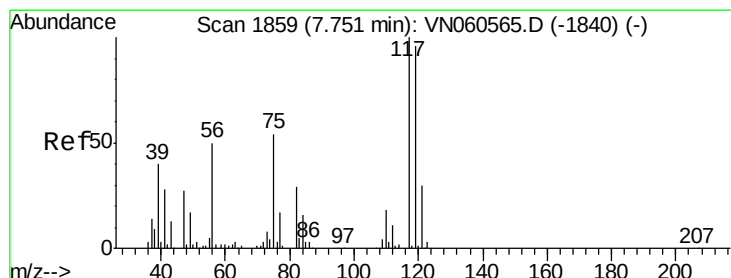
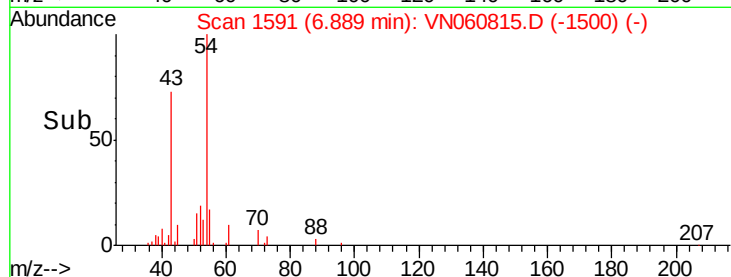
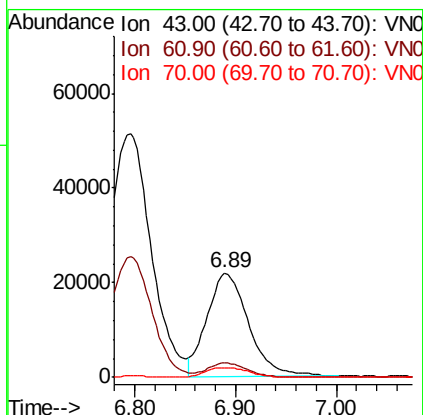
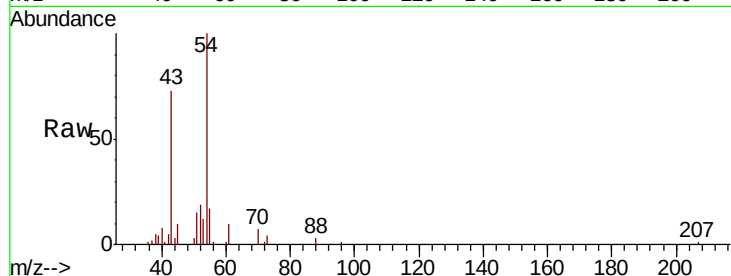




#37
Ethyl Acetate
Concen: 19.127 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

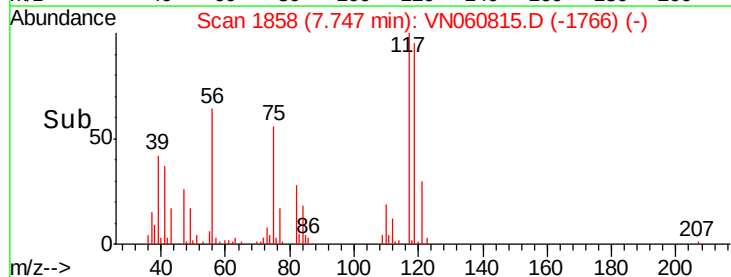
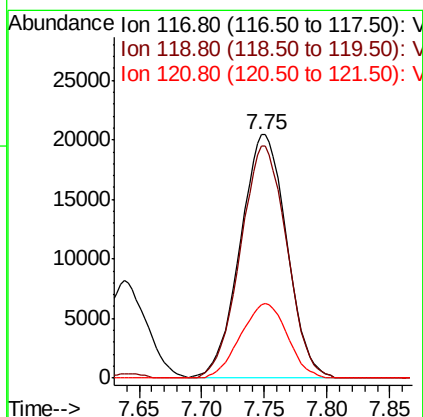
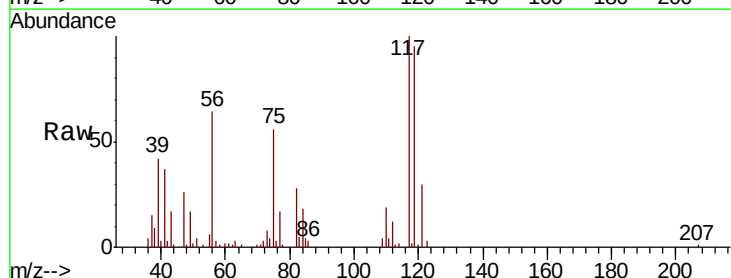
Instrument :
MSVOA_N
ClientSampleId :

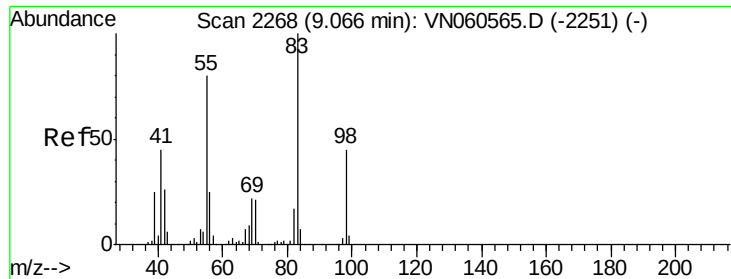
Tot Ion: 43 Resp: 62532
Ion Ratio Lower Upper
43 100
61 13.5 10.6 15.8
70 9.7 7.9 11.9



#38
Carbon Tetrachloride
Concen: 19.444 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 117 Resp: 52728
Ion Ratio Lower Upper
117 100
119 95.4 76.2 114.2
121 30.0 23.7 35.5

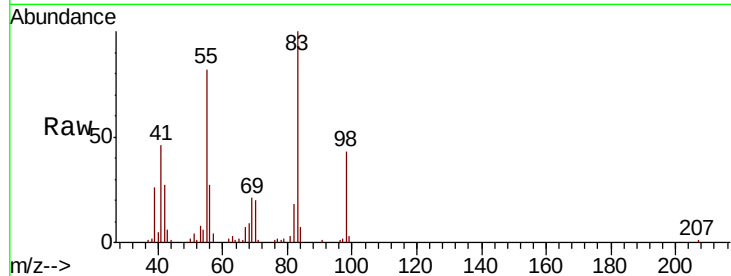




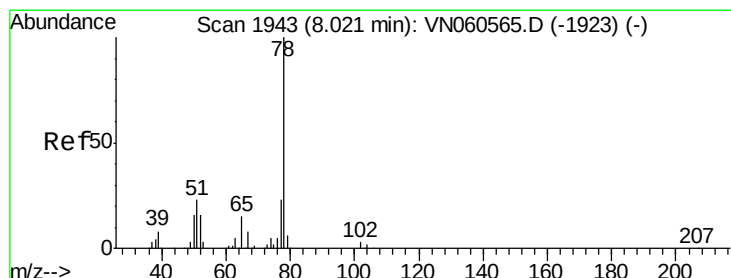
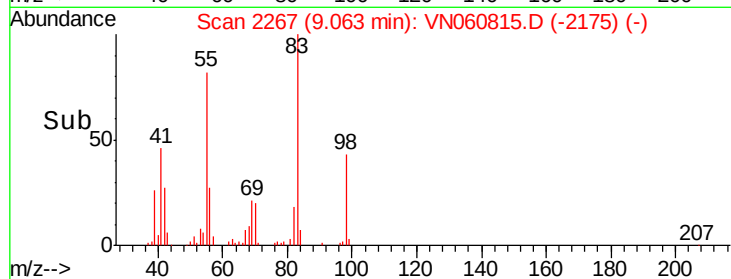
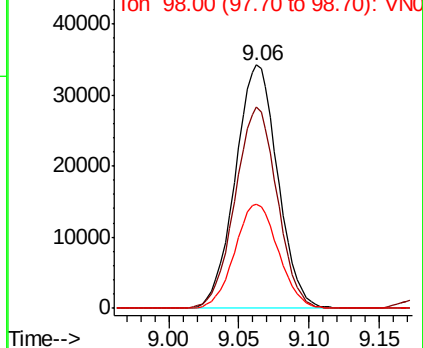
#39
Methylvlcyclohexane
Concen: 19.981 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 71846
Ion Ratio Lower Upper
83 100
55 82.5 63.6 95.4
98 42.8 36.0 54.0

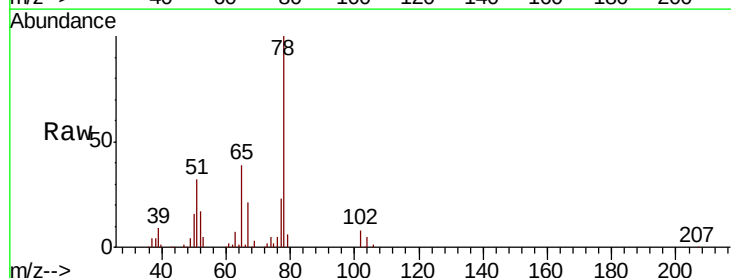


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

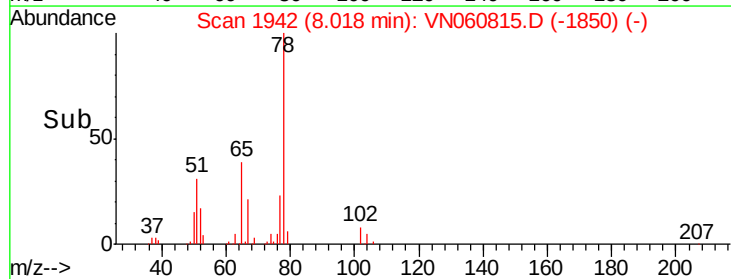
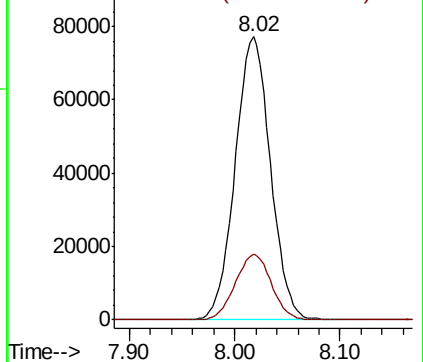


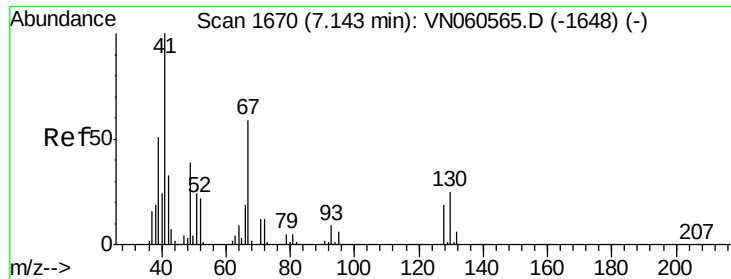
#40
Benzene
Concen: 19.624 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 78 Resp: 179246
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0



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

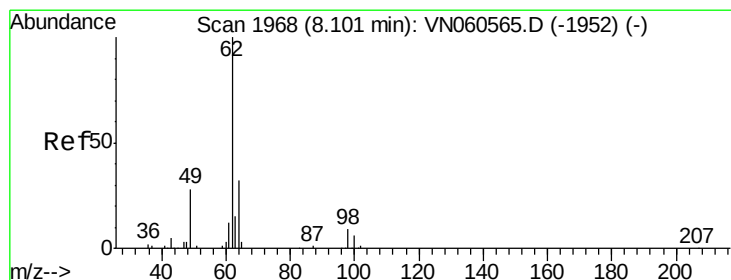
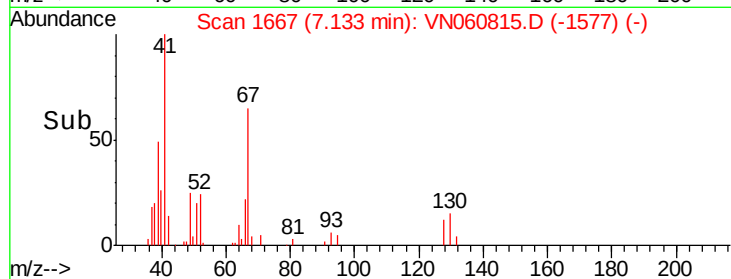
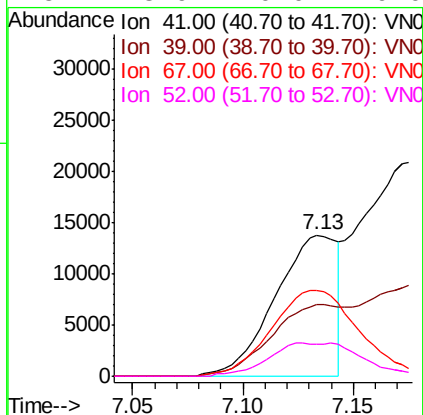
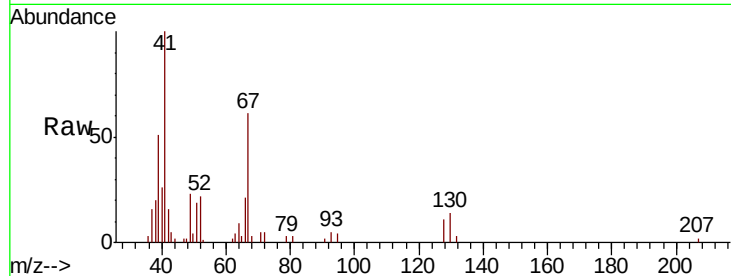




#41
Methacrylonitrile
Concen: 19.353 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. -0.01 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

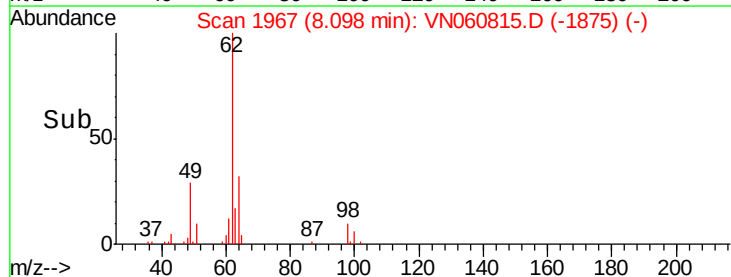
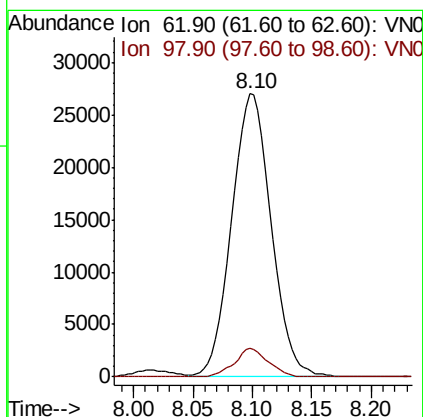
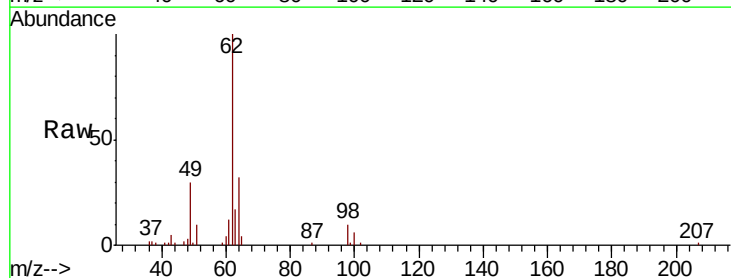
Instrument :
MSVOA_N
ClientSampled :

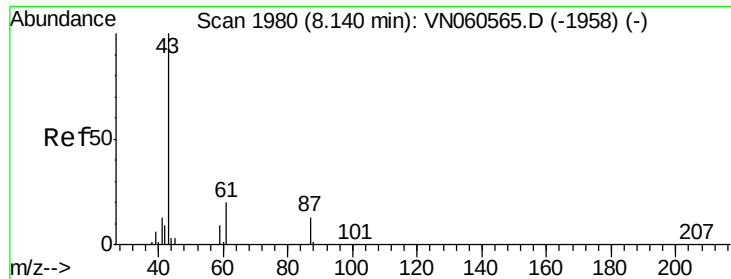
Tot Ion:	41	Resp:	27003
Ion	Ratio	Lower	Upper
41	100		
39	63.4	0.0	0.0#
67	86.7	0.0	0.0#
52	18.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.952 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion:	62	Resp:	62281
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.548 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

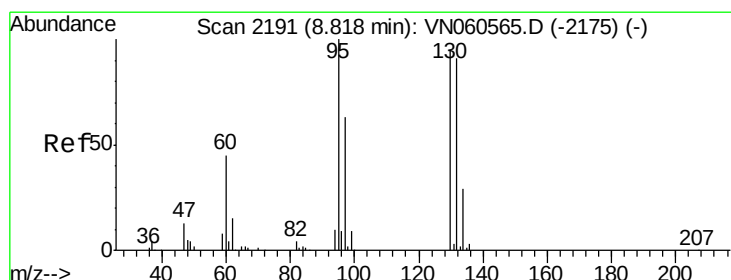
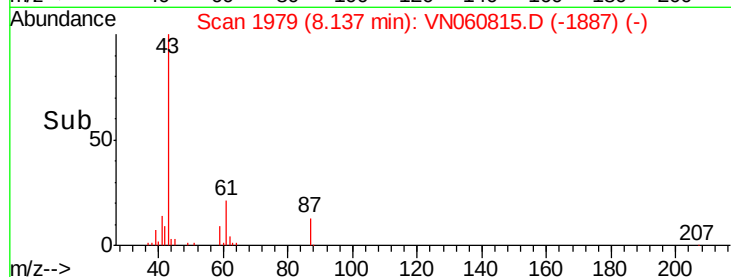
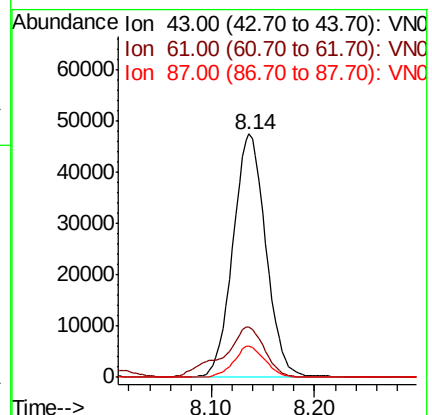
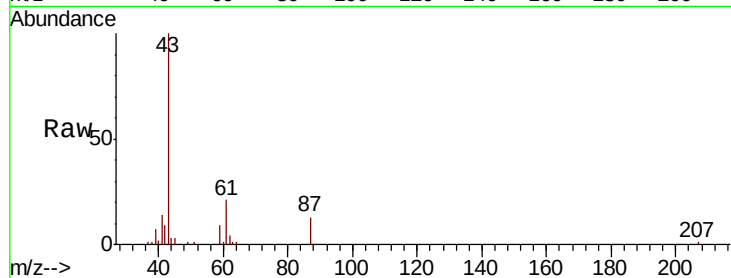
Tot Ion: 43 Resp: 105399

Ion Ratio Lower Upper

43 100

61 25.9 20.7 31.1

87 12.0 9.8 14.8



#44

Trichloroethene

Concen: 19.662 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060815.D

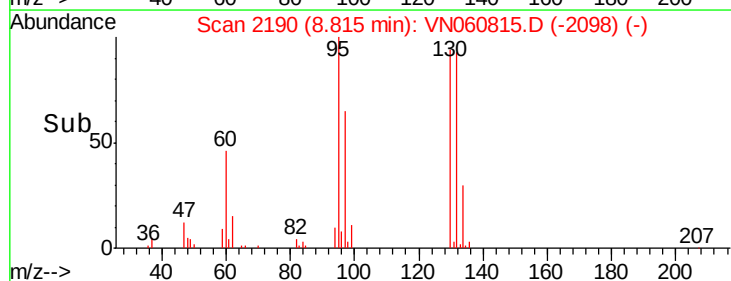
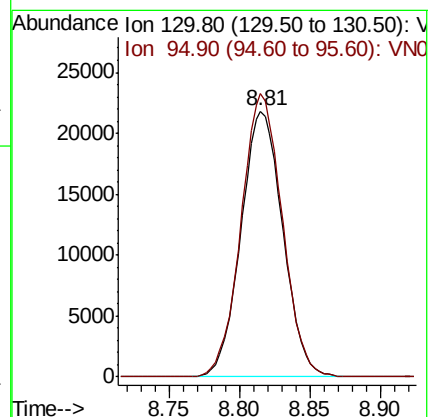
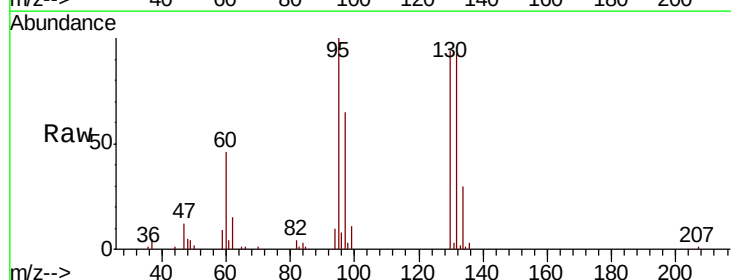
Acq: 2 Apr 2020 11:49

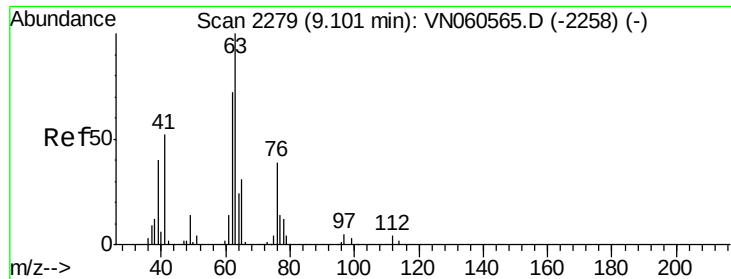
Tgt Ion:130 Resp: 45273

Ion Ratio Lower Upper

130 100

95 106.6 0.0 211.2

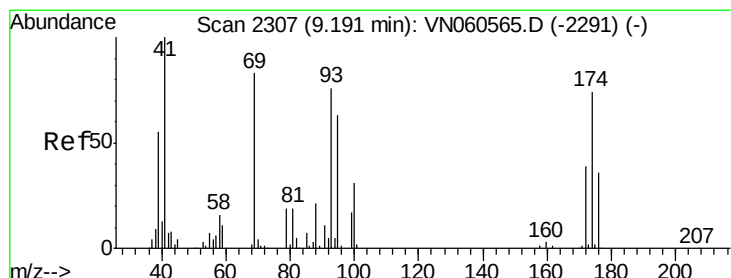
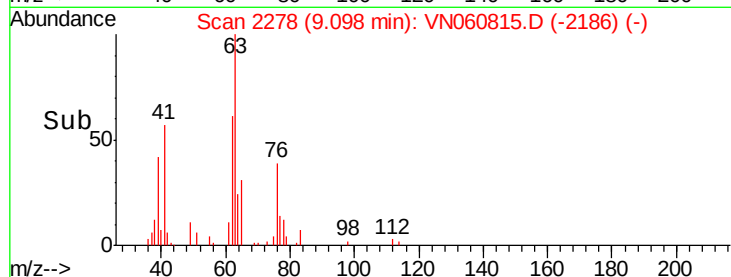
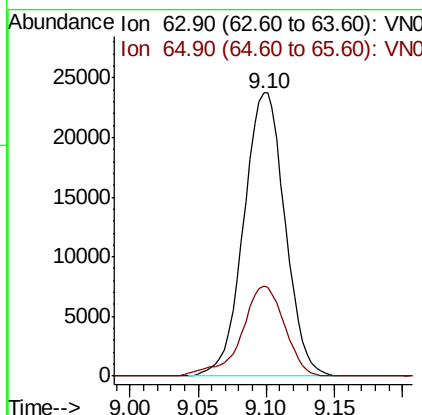
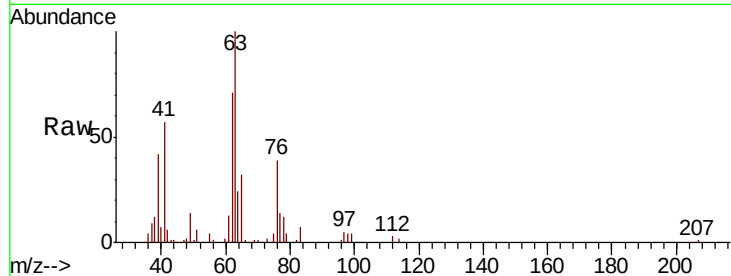




#45
 1,2-Dichloropropane
 Concen: 20.674 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

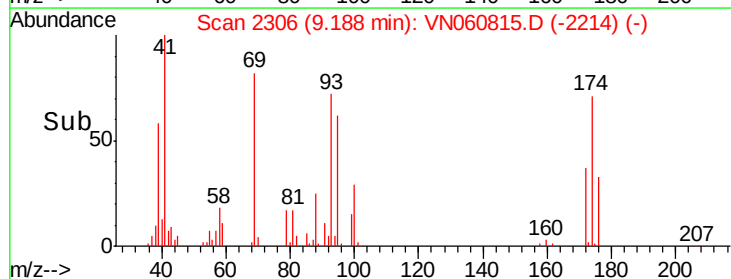
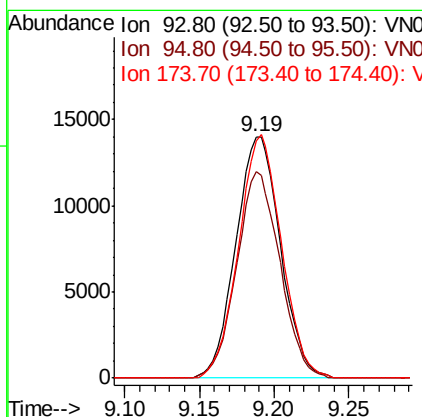
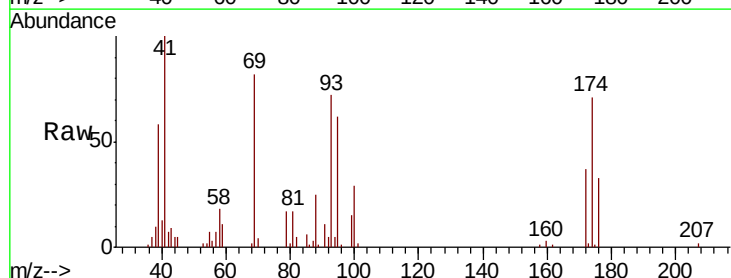
Instrument :
 MSVOA_N
 ClientSampled :

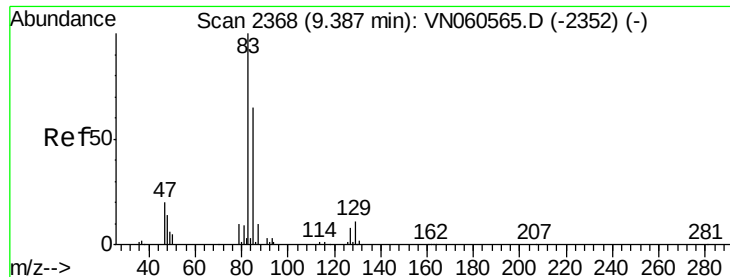
Tot Ion: 63 Resp: 49828
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.0



#46
 Dibromomethane
 Concen: 19.953 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion: 93 Resp: 29074
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.4
 174 96.8 77.9 116.9





#47

Bromodichloromethane

Concen: 20.061 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

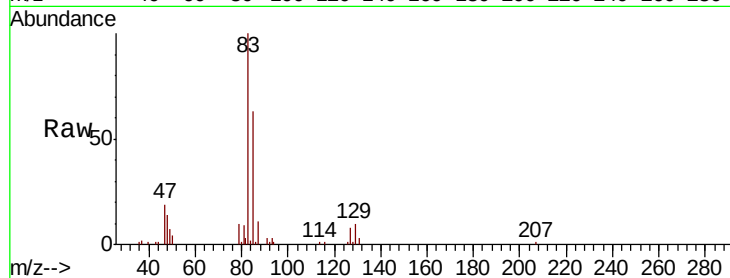
Tot Ion: 83 Resp: 60743

Ion Ratio Lower Upper

83 100

85 63.1 51.8 77.6

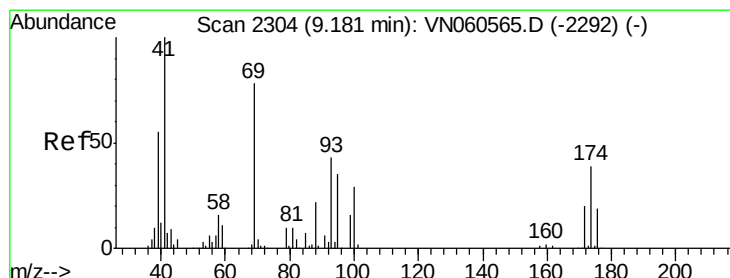
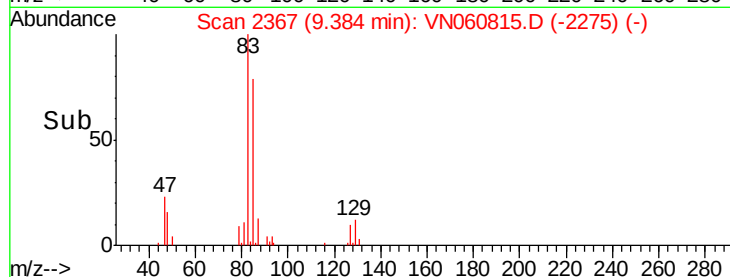
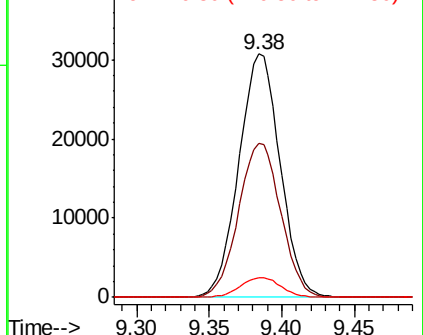
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060815.D (-2367) (-)

Ion 84.90 (84.60 to 85.60): VN060815.D (-2367) (-)

Ion 126.80 (126.50 to 127.50): VN060815.D (-2367) (-)



#48

Methyl methacrylate

Concen: 18.829 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

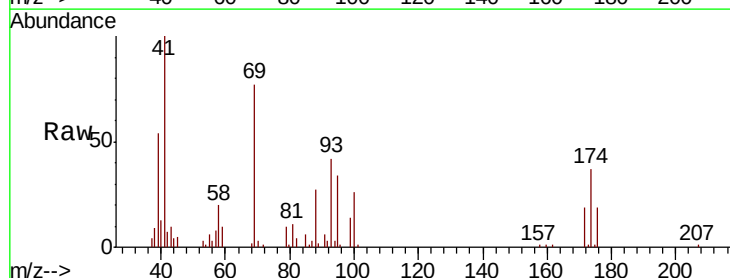
Tgt Ion: 41 Resp: 45201

Ion Ratio Lower Upper

41 100

69 81.6 65.4 98.0

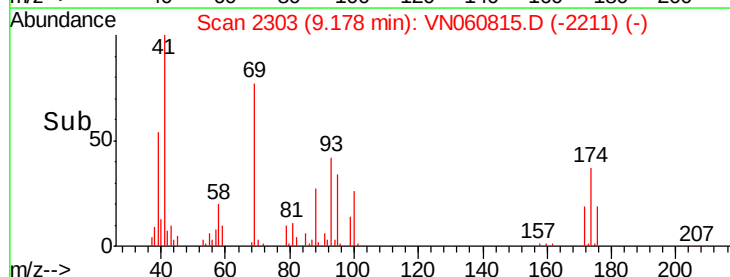
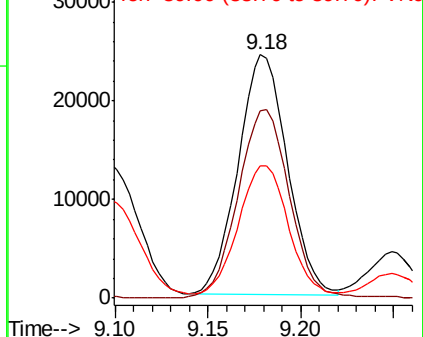
39 53.8 44.0 66.0

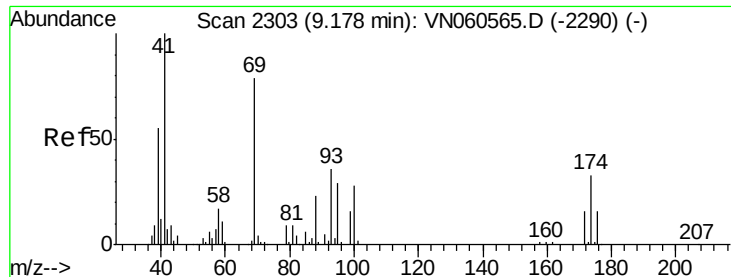


Abundance Ion 41.00 (40.70 to 41.70): VN060815.D (-2303) (-)

Ion 69.00 (68.70 to 69.70): VN060815.D (-2303) (-)

Ion 39.00 (38.70 to 39.70): VN060815.D (-2303) (-)

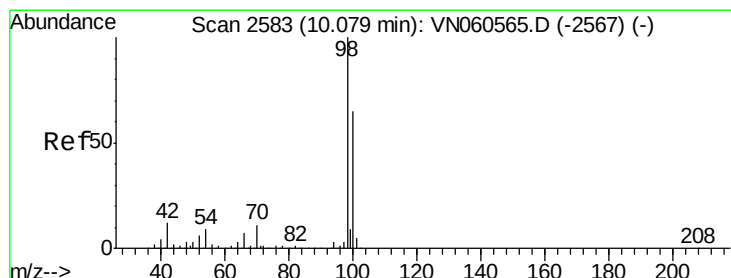
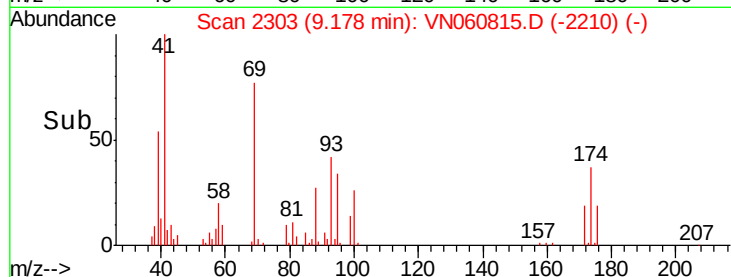
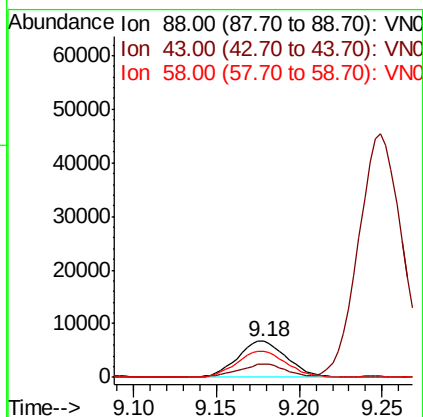
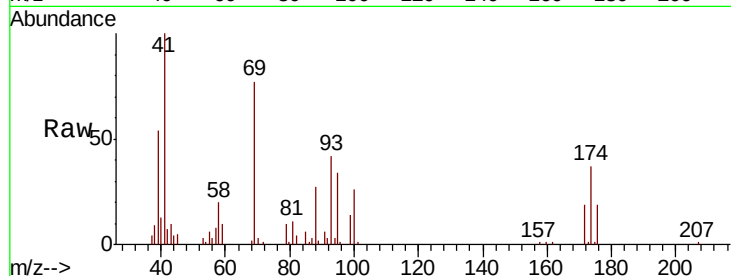




#49
 1,4-Dioxane
 Concen: 483.424 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

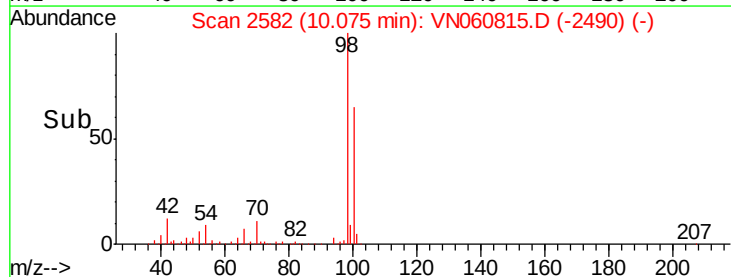
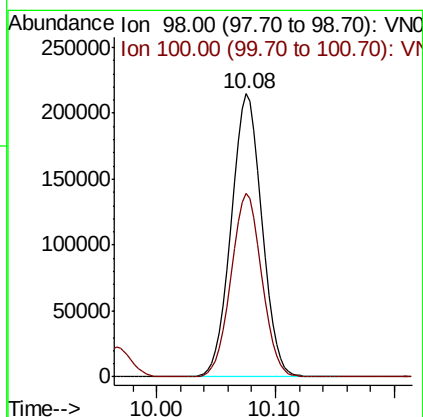
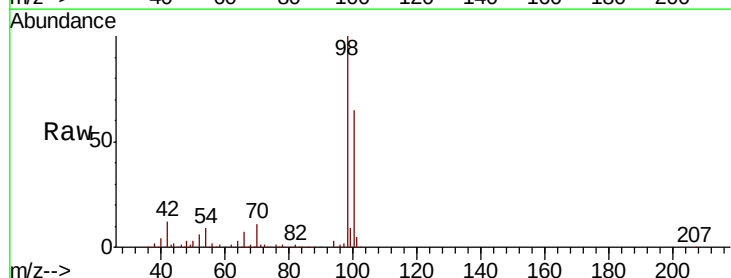
Instrument :
 MSVOA_N
 ClientSampled :

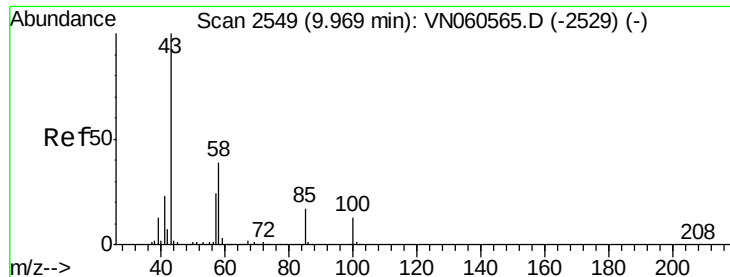
Tot Ion: 88 Resp: 13794
 Ion Ratio Lower Upper
 88 100
 43 35.2 30.8 46.2
 58 73.6 59.8 89.8



#50
 Toluene-d8
 Concen: 49.758 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion: 98 Resp: 384016
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.8 77.8

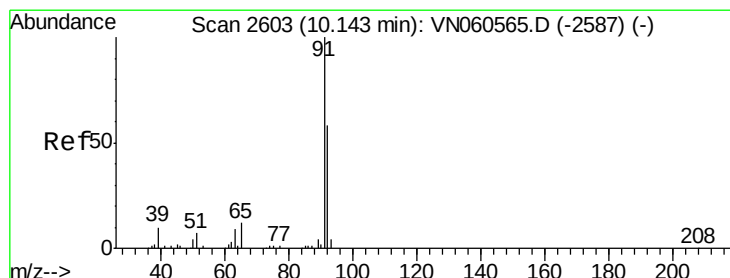
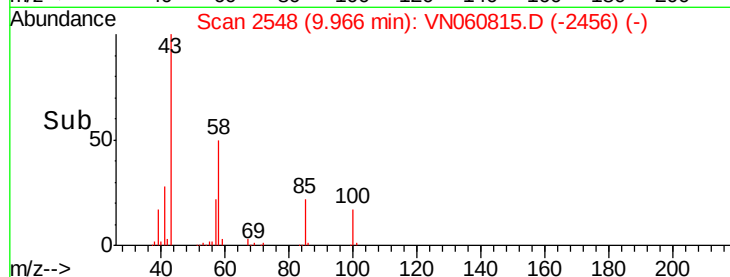
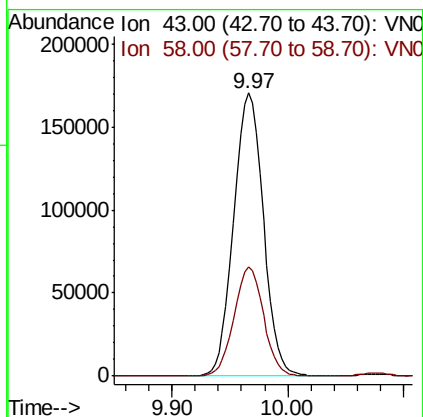
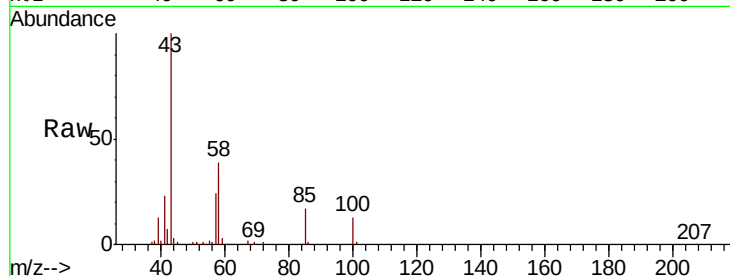




#51
 4-Methyl-2-Pentanone
 Concen: 98.529 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

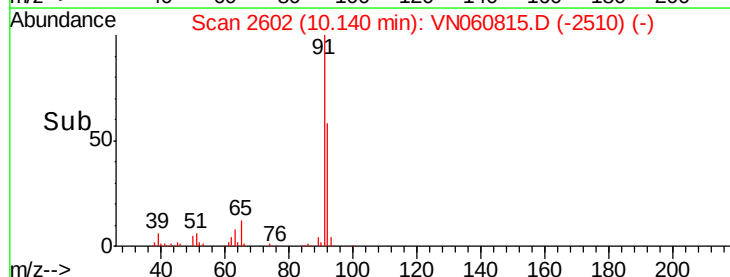
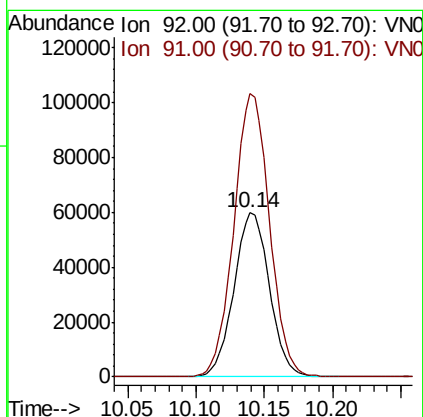
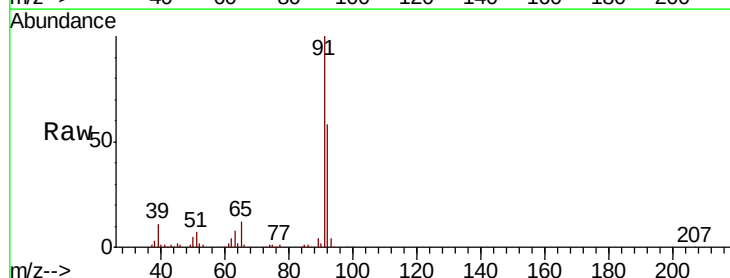
Instrument :
 MSVOA_N
 ClientSampled :

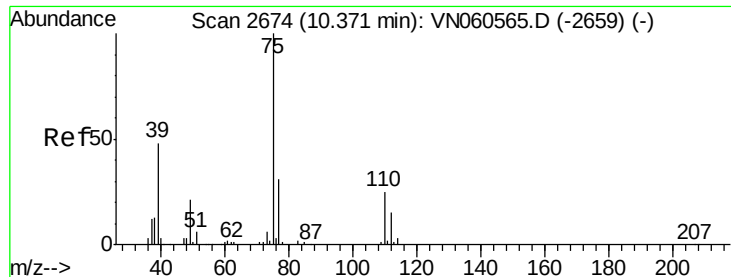
Tot Ion: 43 Resp: 302307
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.8 46.2



#52
 Toluene
 Concen: 19.628 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion: 92 Resp: 108273
 Ion Ratio Lower Upper
 92 100
 91 172.9 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 20.200 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

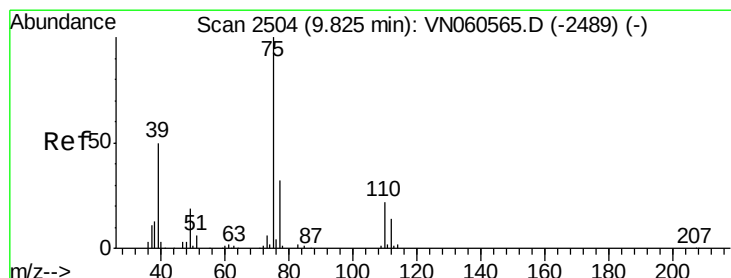
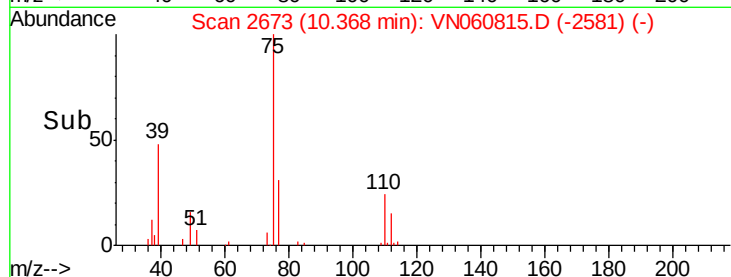
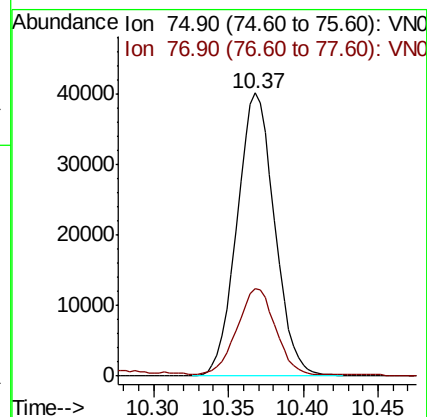
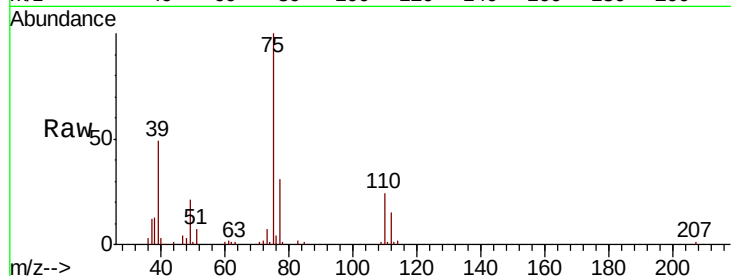
ClientSampled :

Tot Ion: 75 Resp: 70257

Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.129 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

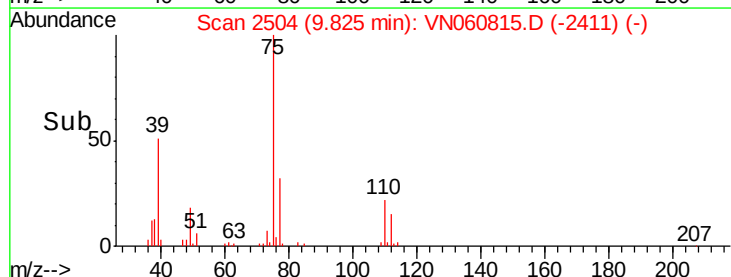
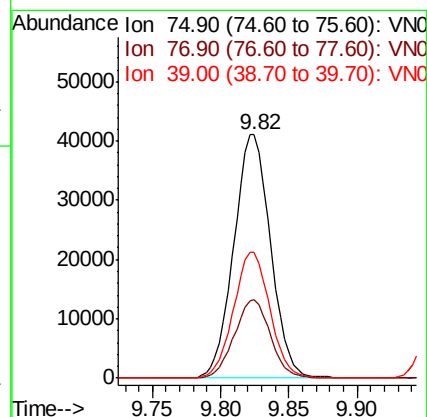
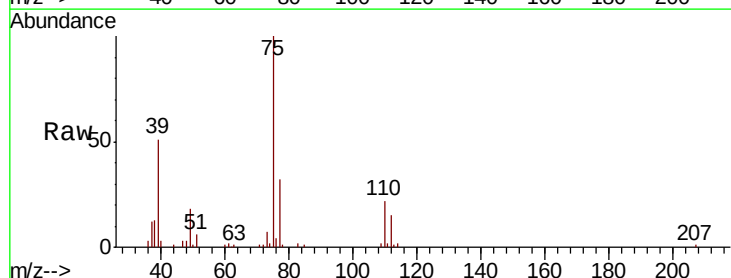
Tgt Ion: 75 Resp: 76805

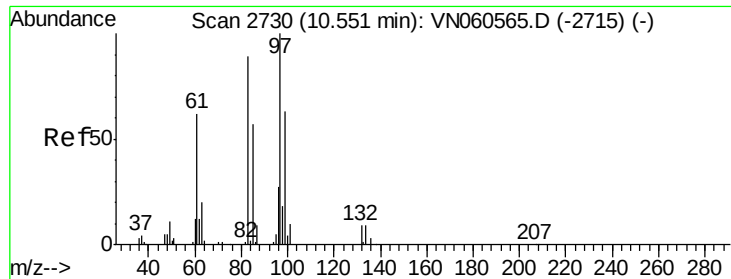
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

39 51.5 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 19.825 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 42072

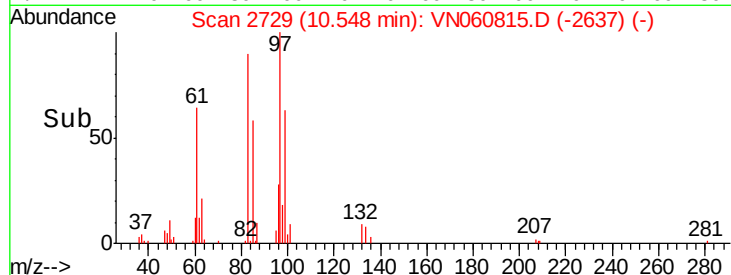
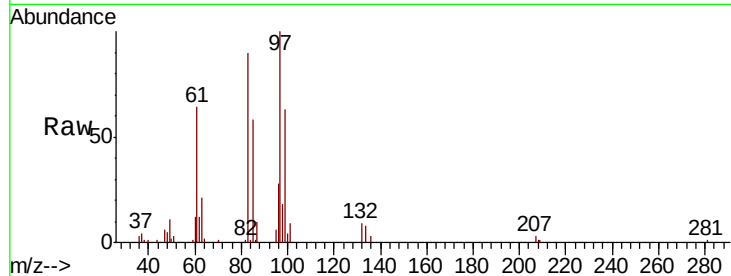
Ion Ratio Lower Upper

97 100

83 90.4 71.3 106.9

85 58.4 45.2 67.8

99 63.4 50.1 75.1

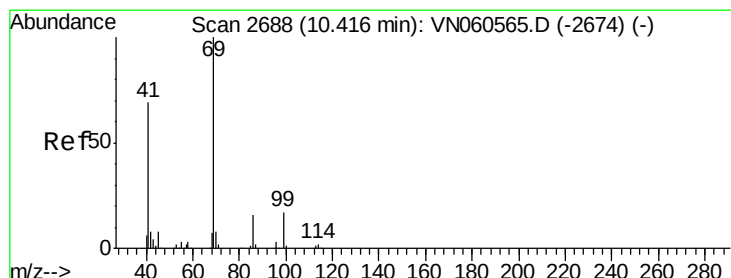
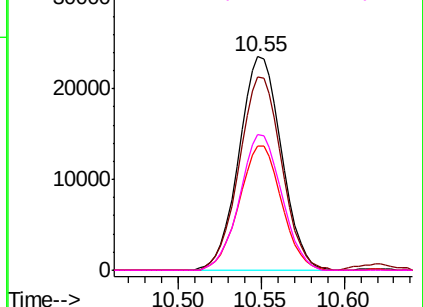


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.974 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

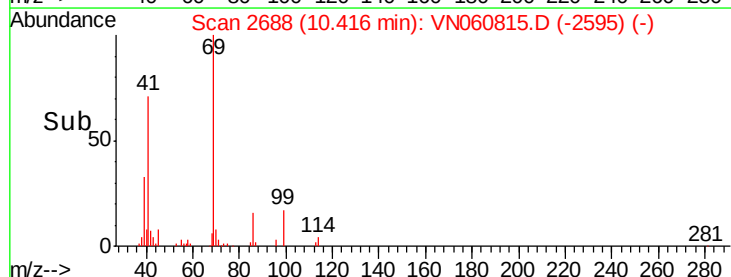
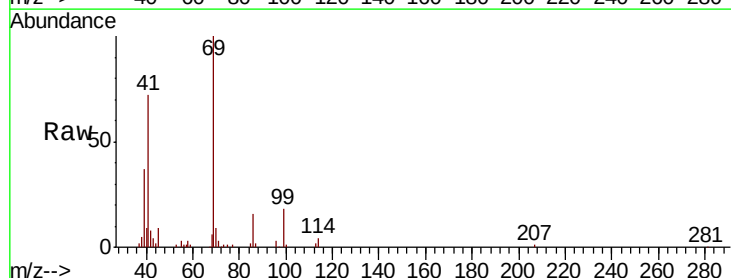
Tgt Ion: 69 Resp: 62784

Ion Ratio Lower Upper

69 100

41 71.7 55.4 83.2

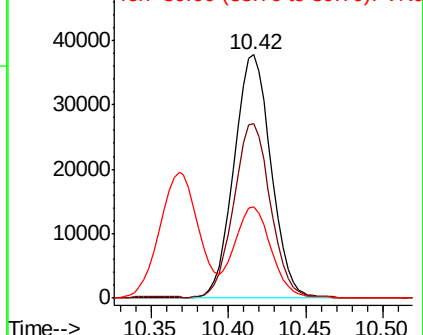
39 37.4 29.4 44.0

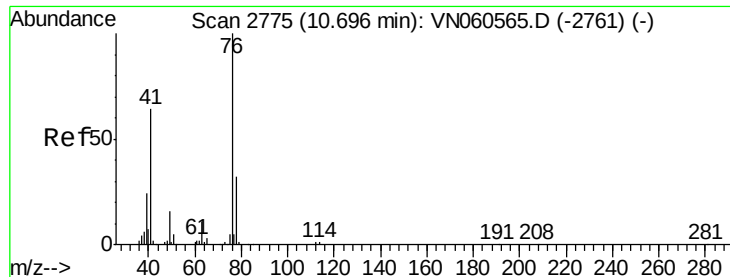


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.969 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

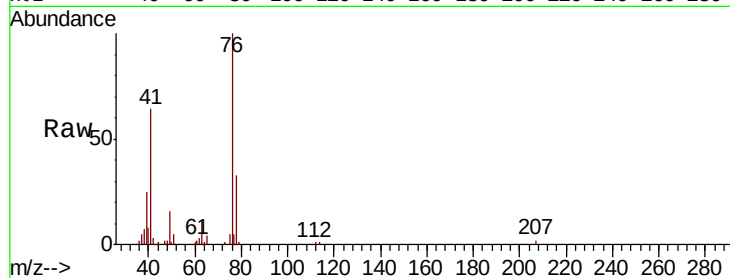
ClientSampled :

Tot Ion: 76 Resp: 73538

Ion Ratio Lower Upper

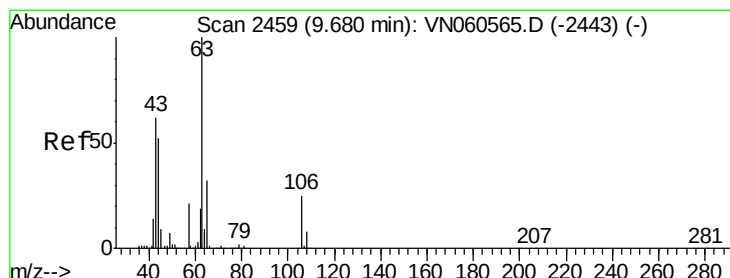
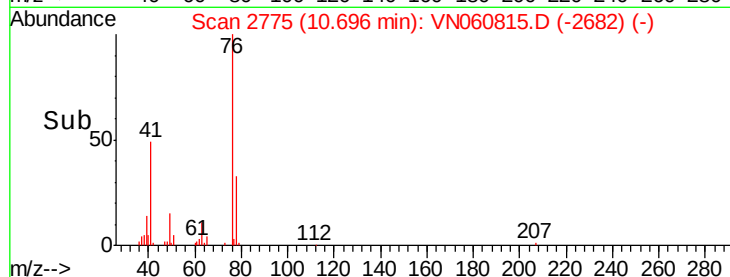
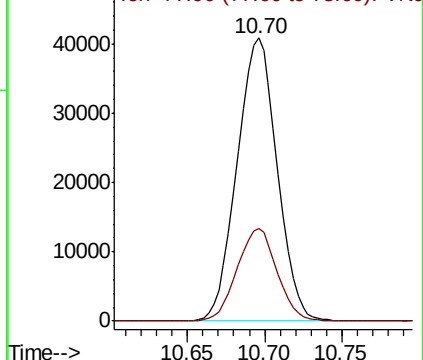
76 100

78 32.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 79.358 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060815.D

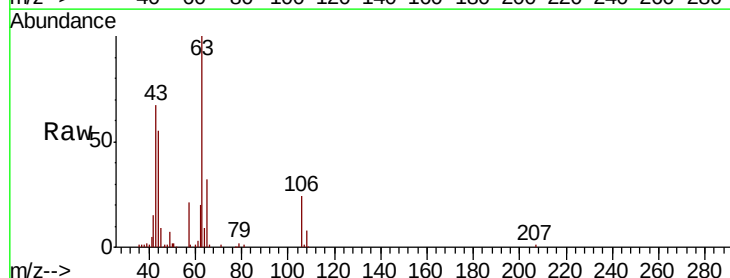
Acq: 2 Apr 2020 11:49

Tgt Ion: 63 Resp: 130513

Ion Ratio Lower Upper

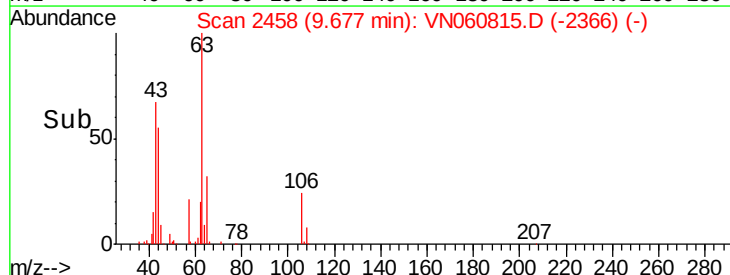
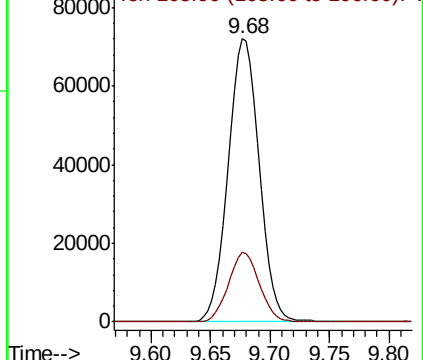
63 100

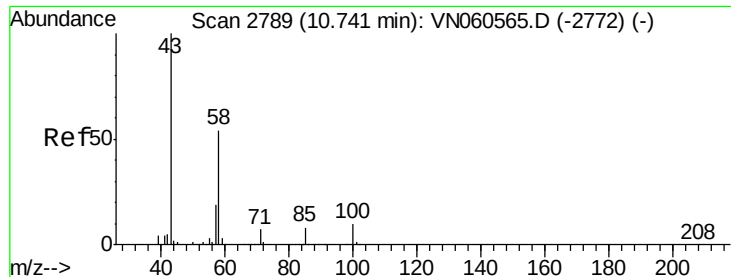
106 24.4 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

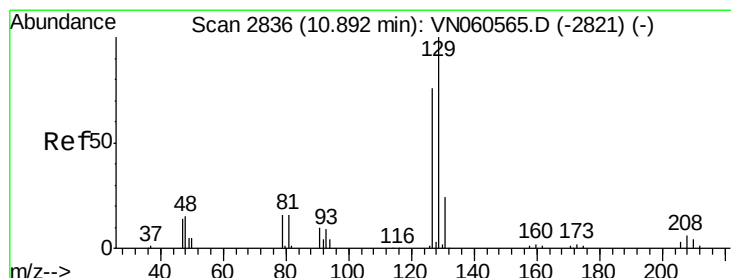
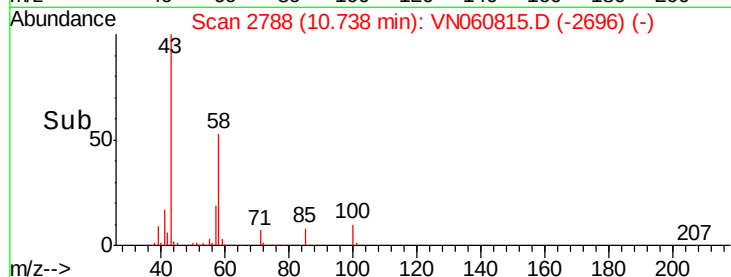
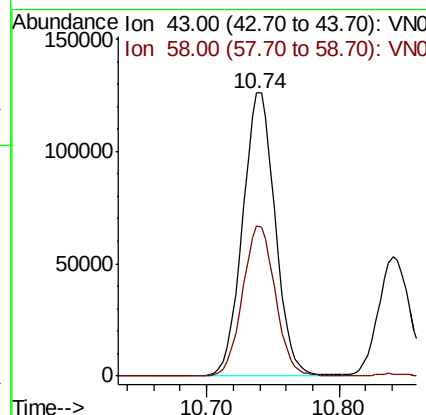
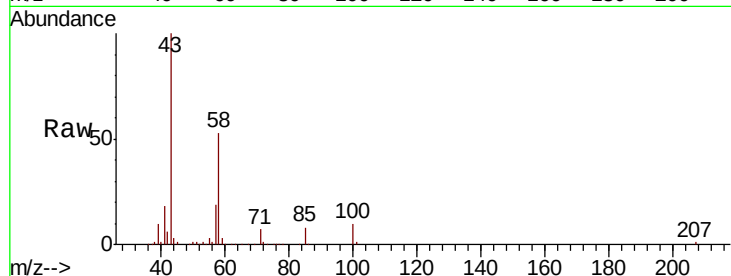




#59
2-Hexanone
Concen: 97.443 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

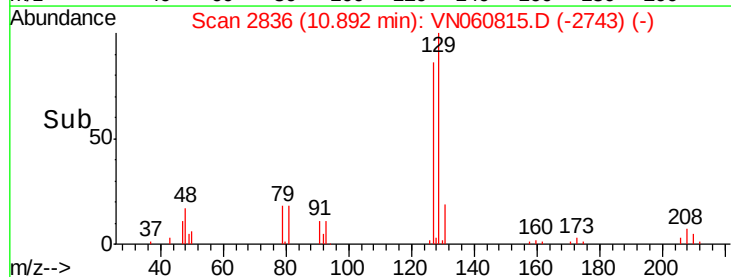
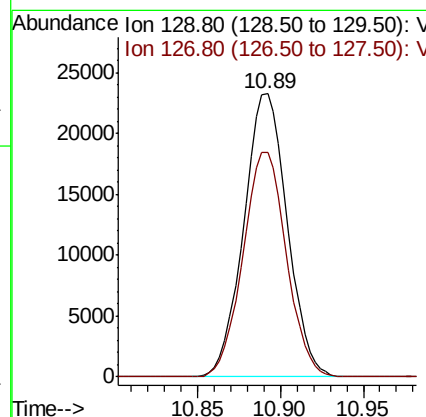
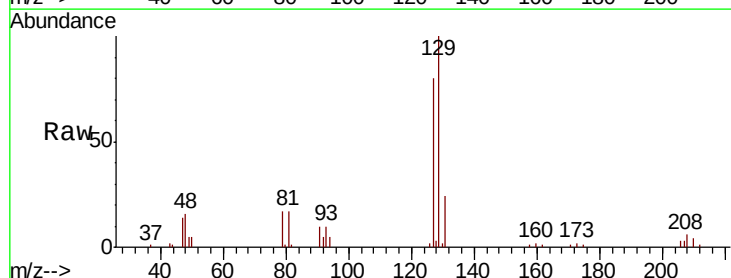
Instrument :
MSVOA_N
ClientSampled :

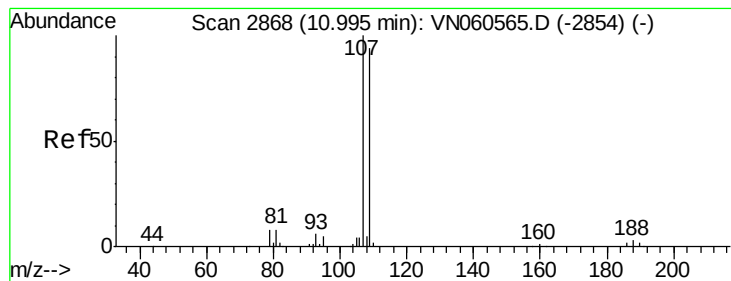
Tot Ion: 43 Resp: 215368
Ion Ratio Lower Upper
43 100
58 53.2 26.7 80.1



#60
Dibromochloromethane
Concen: 19.340 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 129 Resp: 42396
Ion Ratio Lower Upper
129 100
127 79.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.792 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

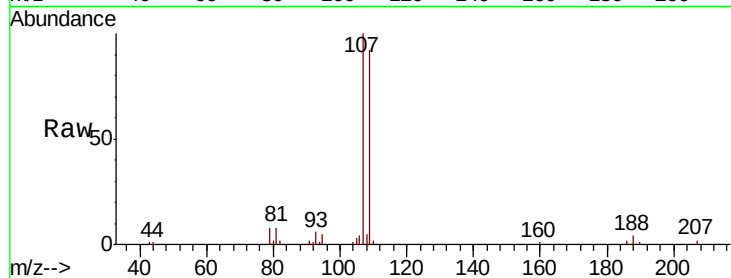
ClientSampled :

Tot Ion:107 Resp: 42236

Ion Ratio Lower Upper

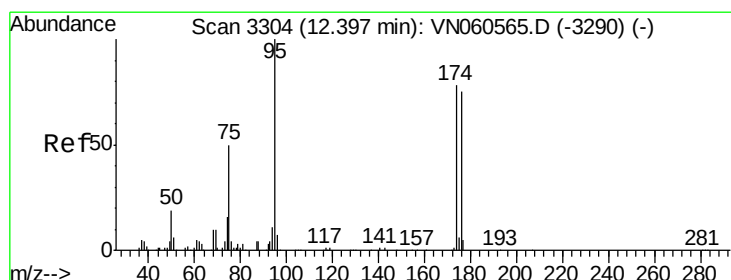
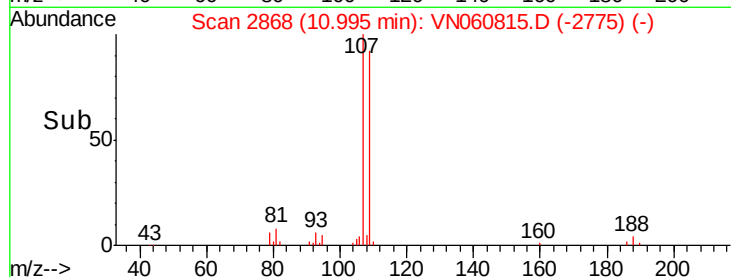
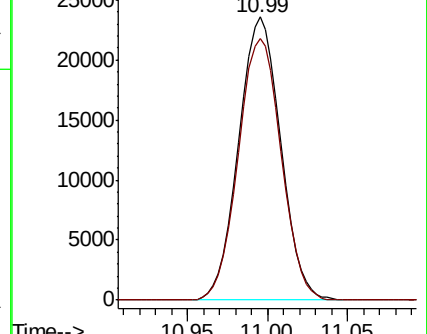
107 100

109 94.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.734 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

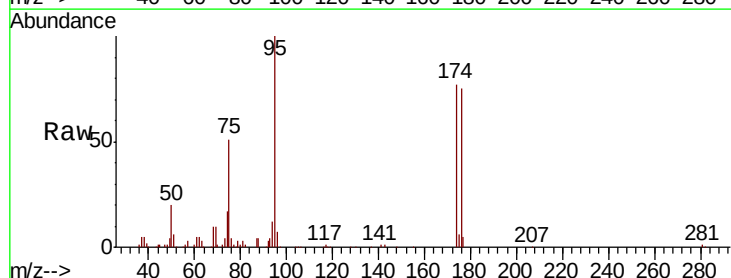
Tgt Ion: 95 Resp: 137840

Ion Ratio Lower Upper

95 100

174 78.0 0.0 157.6

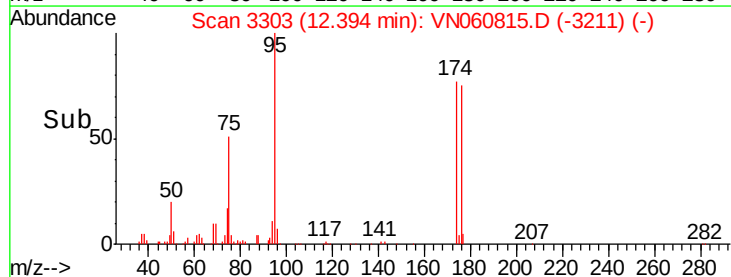
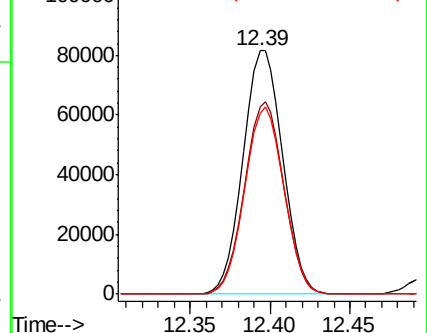
176 76.1 0.0 150.6

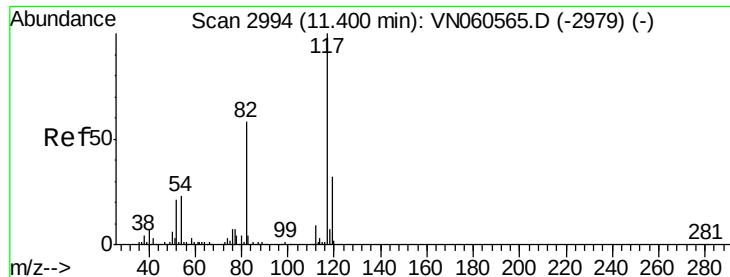


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

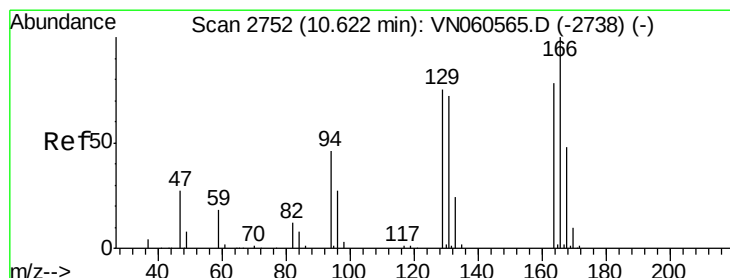
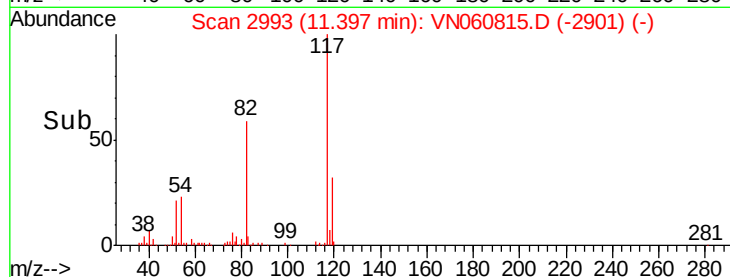
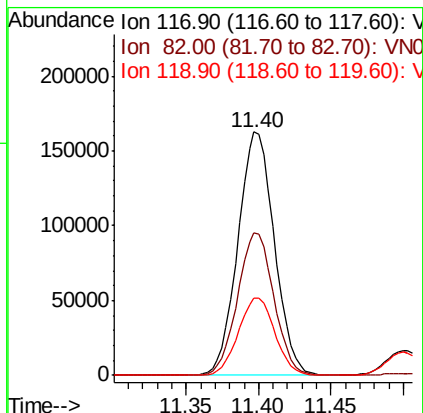
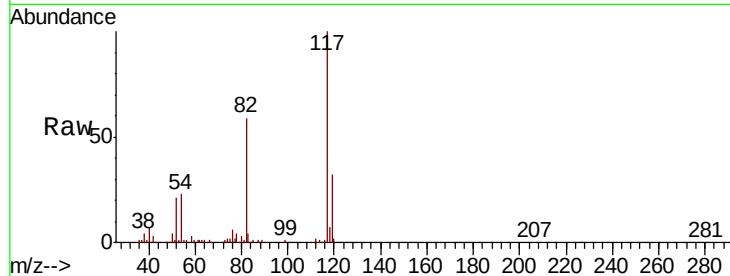




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

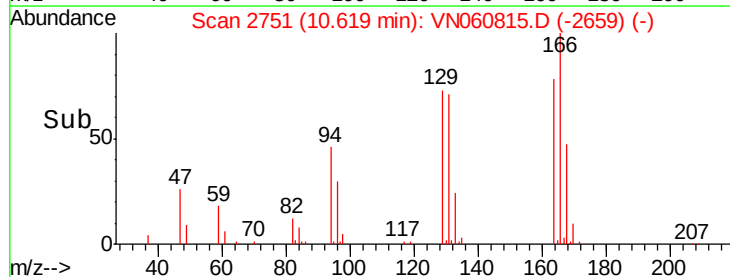
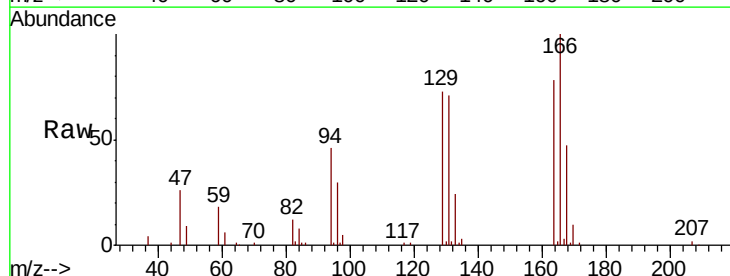
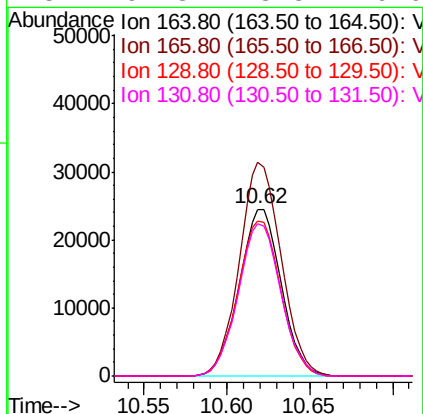
Instrument :
MSVOA_N
ClientSampled :

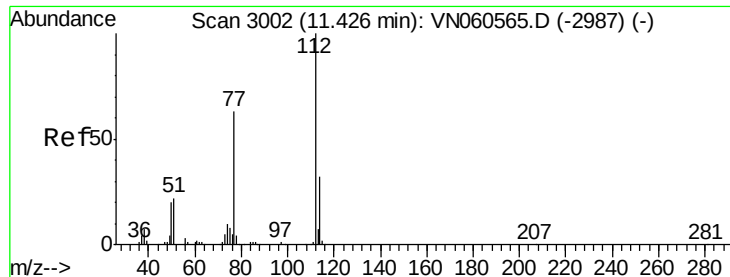
Tot Ion:117 Resp: 284031
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 19.396 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion:164 Resp: 43352
Ion Ratio Lower Upper
164 100
166 127.9 102.7 154.1
129 93.0 77.2 115.8
131 91.3 73.8 110.6

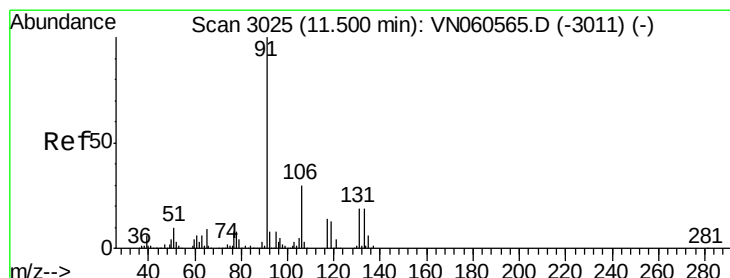
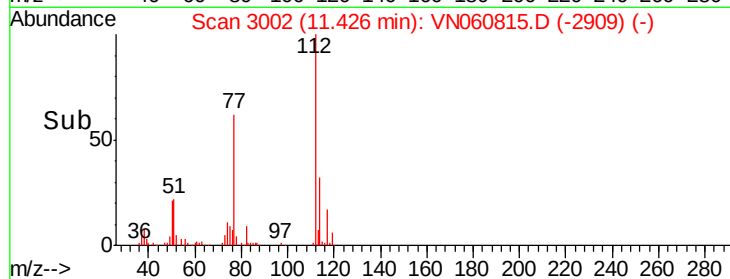
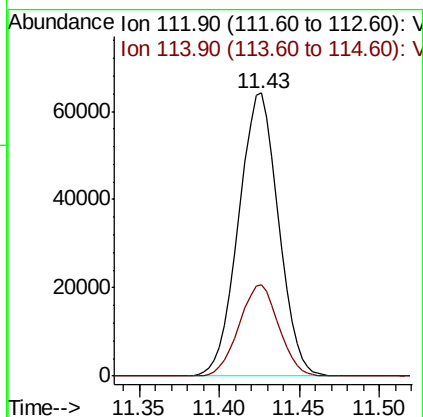
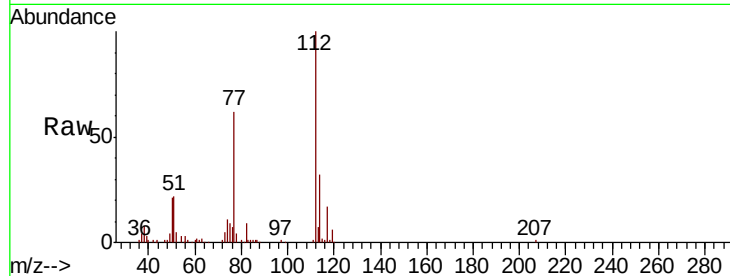




#65
Chlorobenzene
Concen: 19.401 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

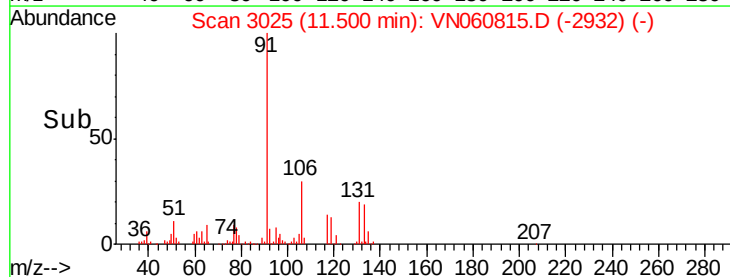
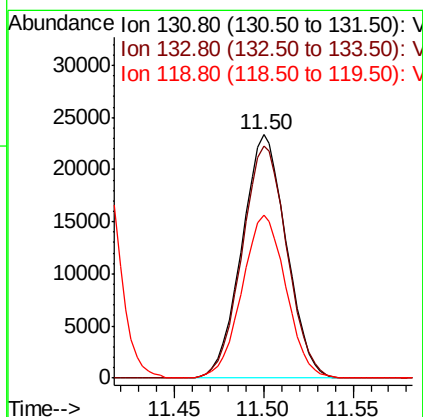
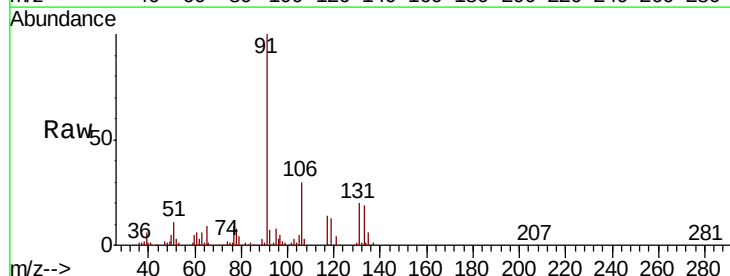
Instrument :
MSVOA_N
ClientSampleId :

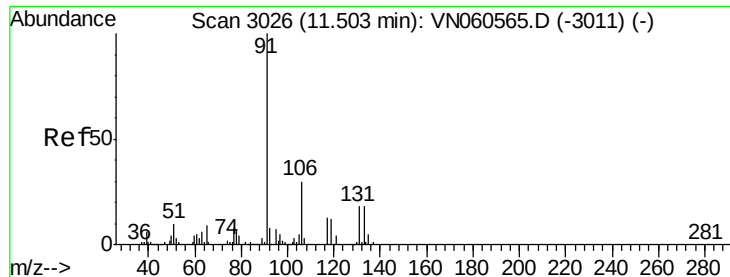
Tot Ion:112 Resp: 109238
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.960 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion:131 Resp: 40691
Ion Ratio Lower Upper
131 100
133 96.4 48.9 146.8
119 66.1 33.9 101.7





#67

Ethyl Benzene

Concen: 19.664 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

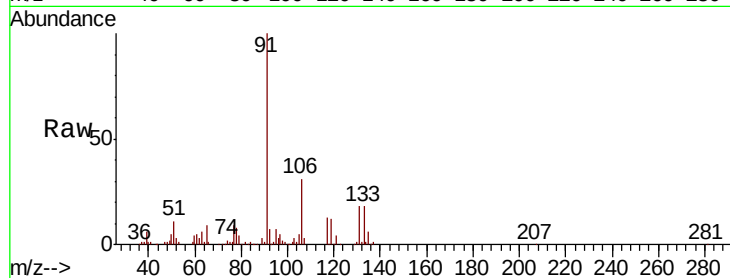
ClientSampled :

Tot Ion: 91 Resp: 205905

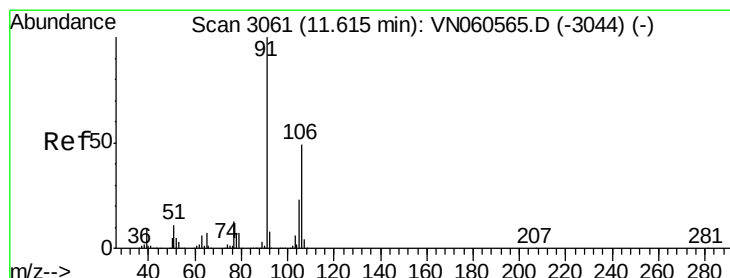
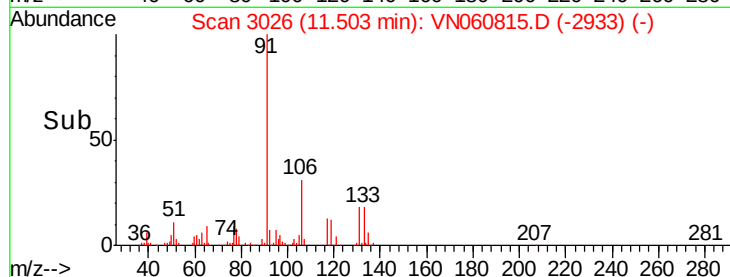
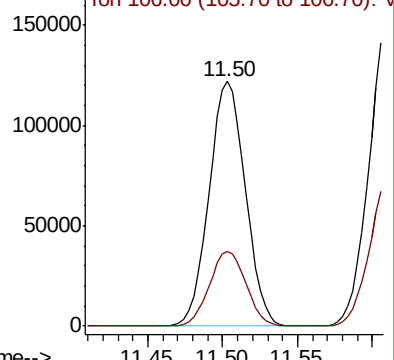
Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060815.D (-2933) (-)



#68

m/p-Xylenes

Concen: 39.287 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060815.D

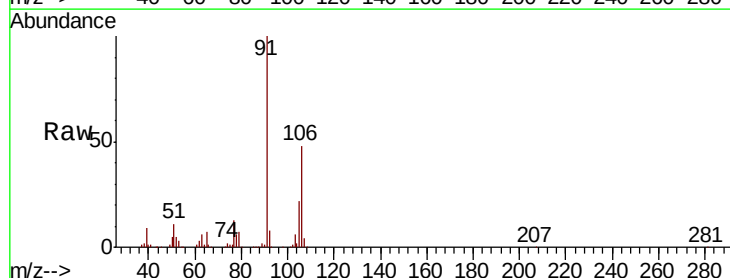
Acq: 2 Apr 2020 11:49

Tgt Ion:106 Resp: 152869

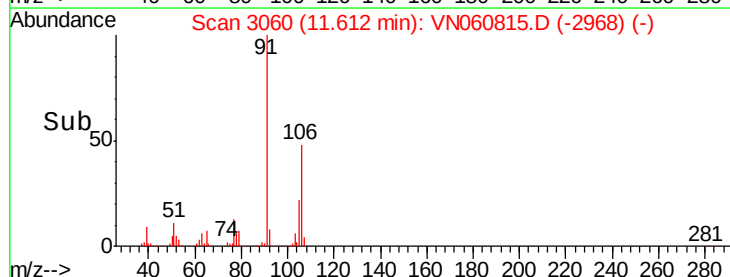
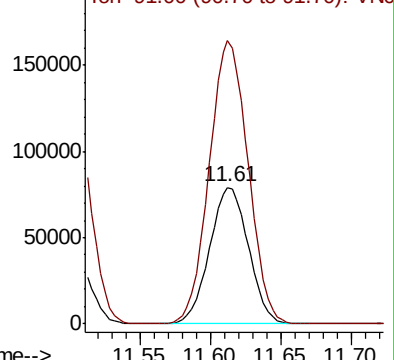
Ion Ratio Lower Upper

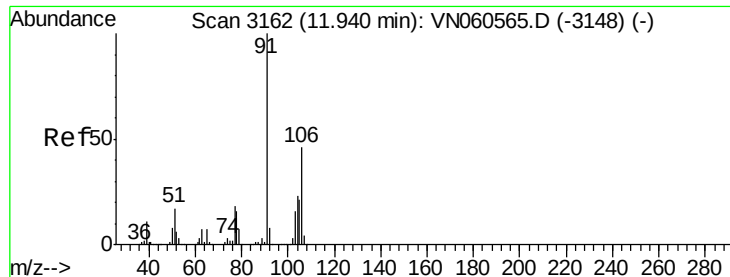
106 100

91 207.5 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060815.D (-2968) (-)

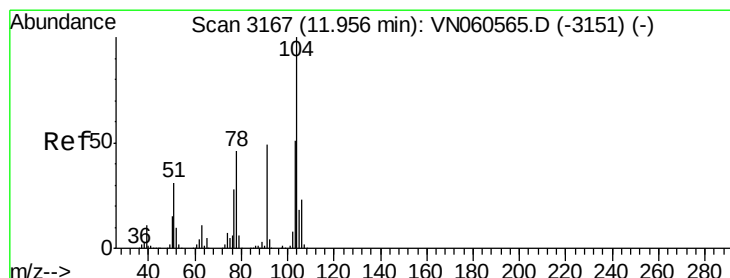
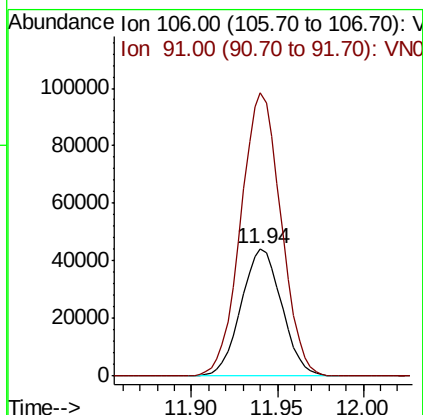
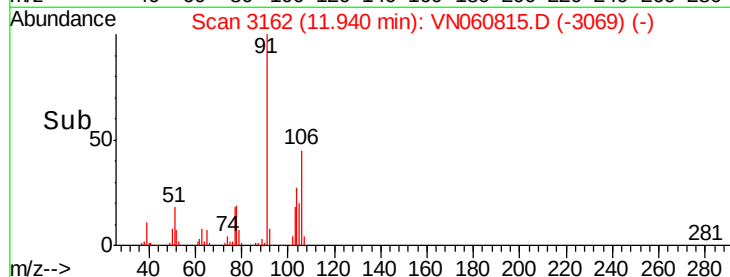
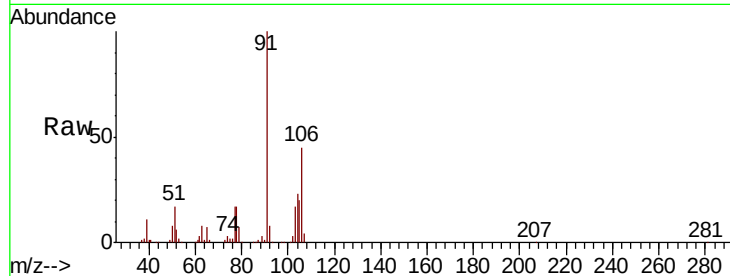




#69
o-Xylene
Concen: 19.564 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

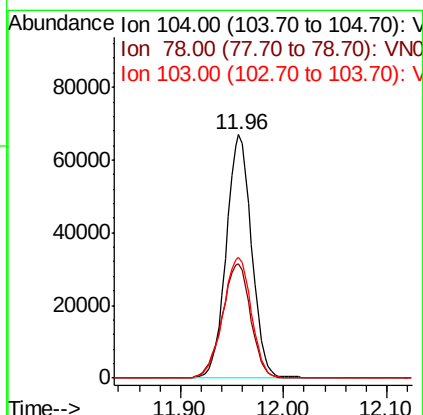
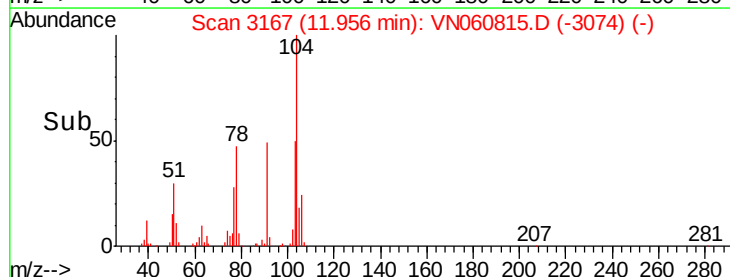
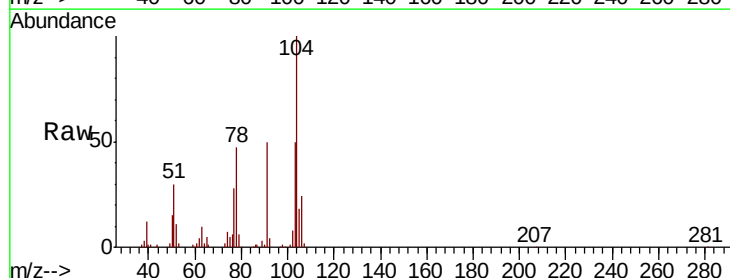
Instrument :
MSVOA_N
ClientSampled :

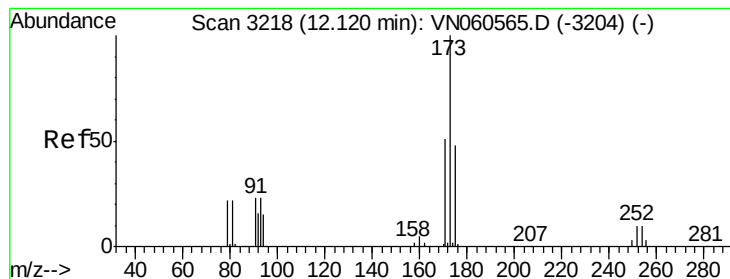
Tot Ion:106 Resp: 72671
Ion Ratio Lower Upper
106 100
91 220.4 109.5 328.4



#70
Styrene
Concen: 18.906 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion:104 Resp: 114854
Ion Ratio Lower Upper
104 100
78 52.3 41.2 61.8
103 55.3 44.0 66.0





#71

Bromoform

Concen: 18.794 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

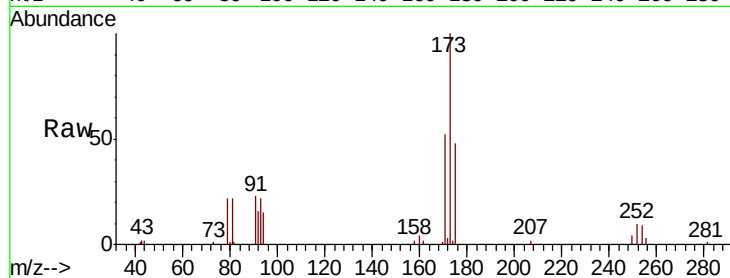
Tot Ion:173 Resp: 30006

Ion Ratio Lower Upper

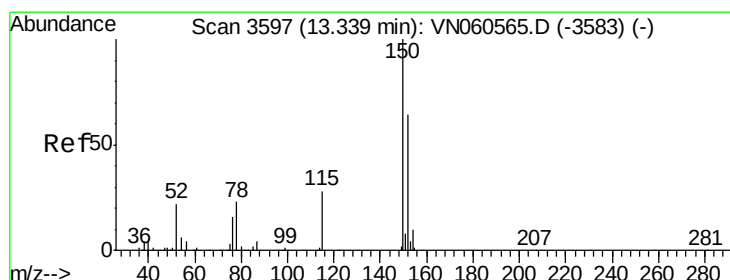
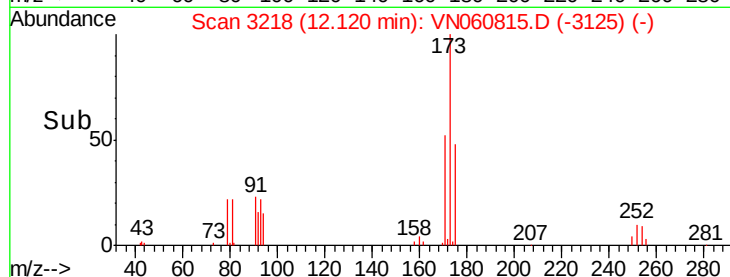
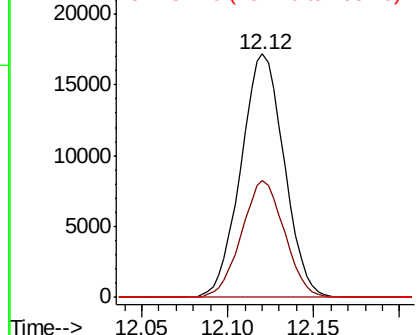
173 100

175 47.6 24.1 72.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

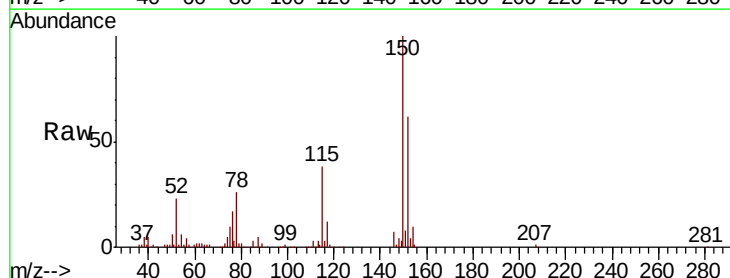
Tgt Ion:152 Resp: 131294

Ion Ratio Lower Upper

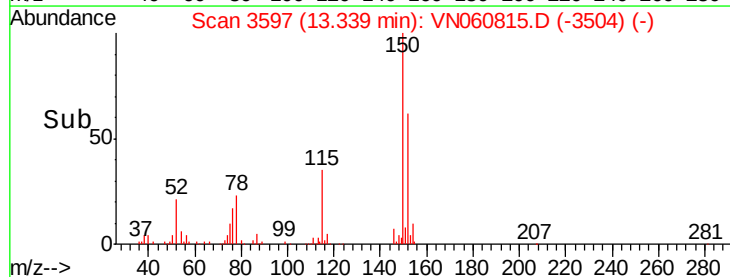
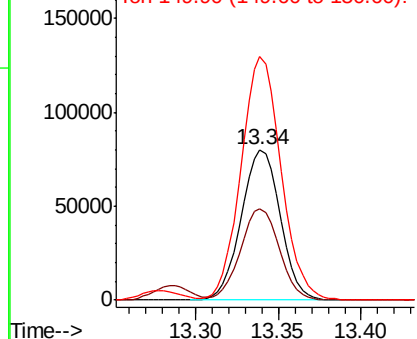
152 100

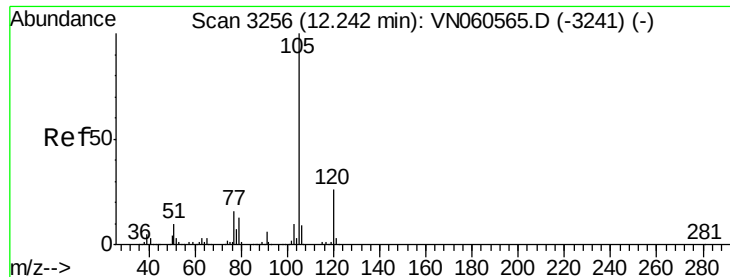
115 60.6 30.2 90.6

150 166.0 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: 20.001 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

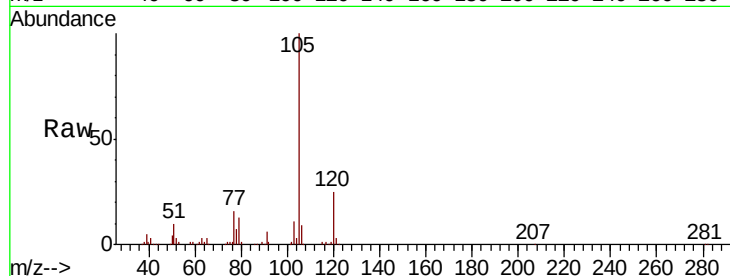
ClientSampled :

Tot Ion:105 Resp: 197070

Ion Ratio Lower Upper

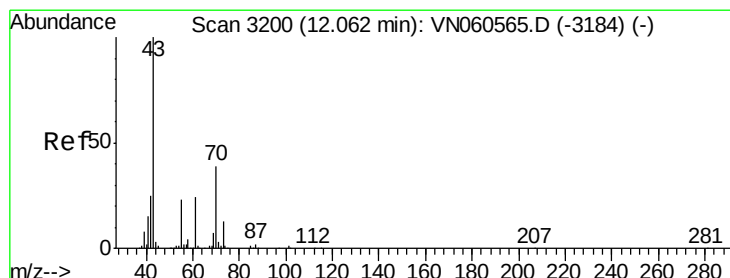
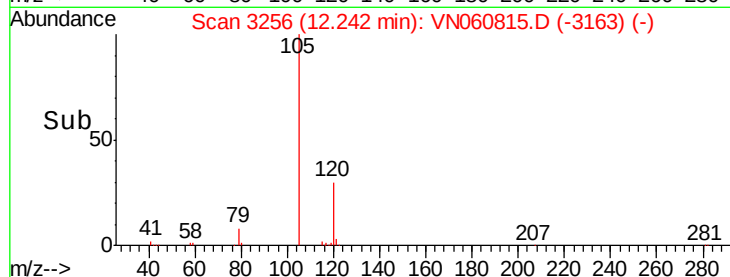
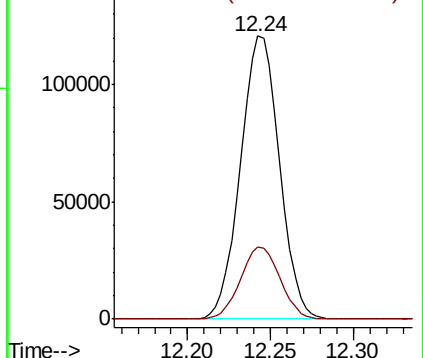
105 100

120 25.8 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: 19.152 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion: 43 Resp: 87199

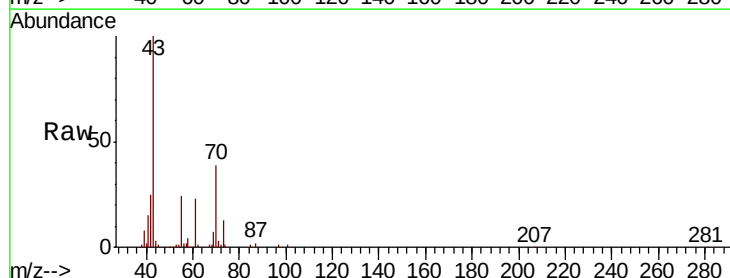
Ion Ratio Lower Upper

43 100

70 38.9 31.1 46.7

55 23.8 18.6 27.8

61 23.1 18.9 28.3

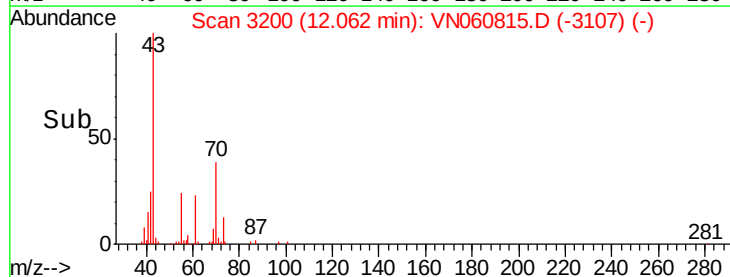
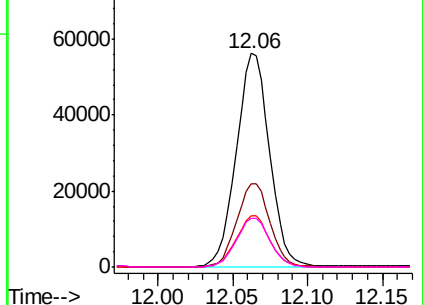


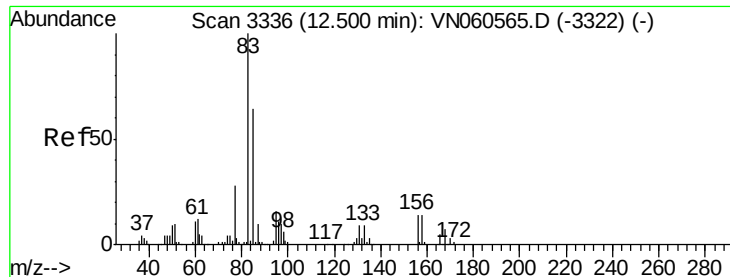
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 19.792 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

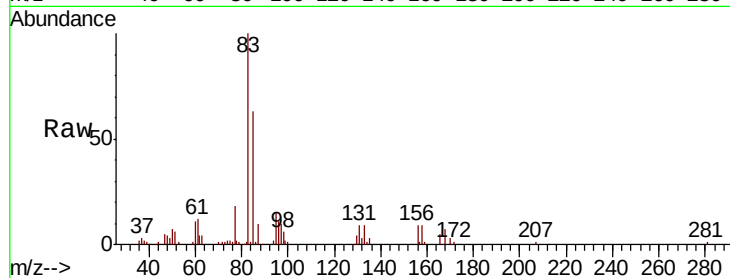
Tot Ion: 83 Resp: 58972

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.7

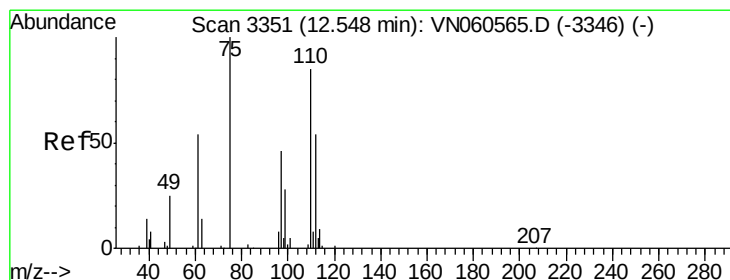
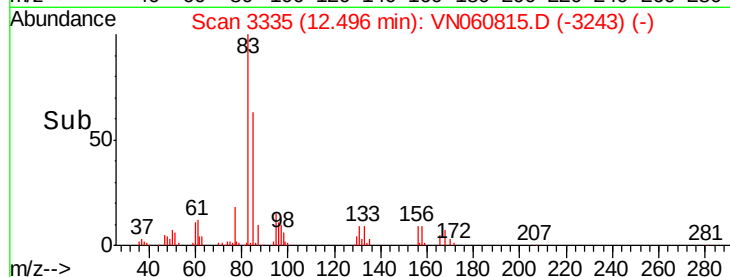
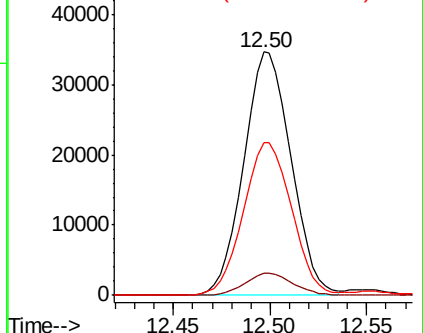
85 64.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060815.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060815.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060815.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 28.036 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060815.D

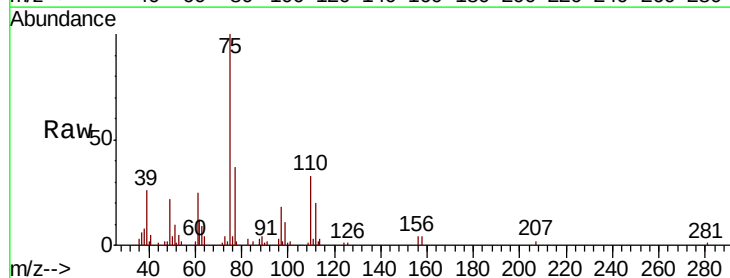
Acq: 2 Apr 2020 11:49

Tgt Ion: 75 Resp: 79427

Ion Ratio Lower Upper

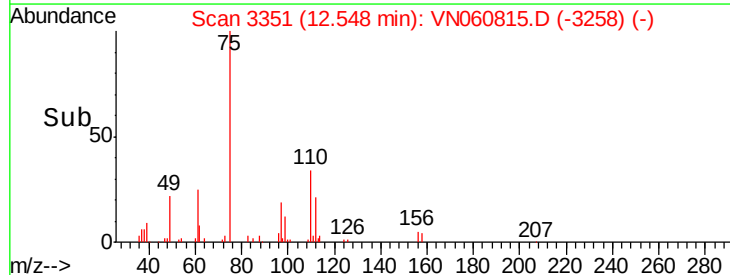
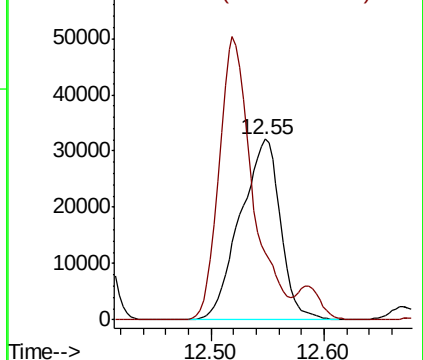
75 100

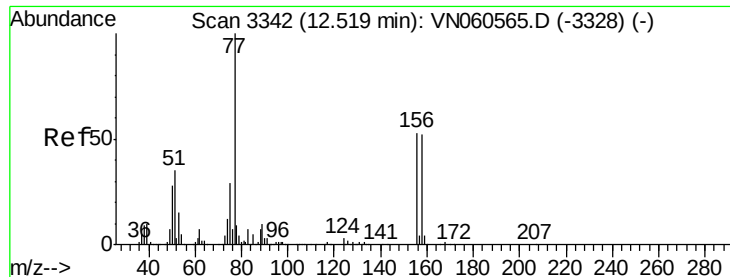
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060815.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060815.D (-3258) (-)





#77

Bromobenzene

Concen: 19.359 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

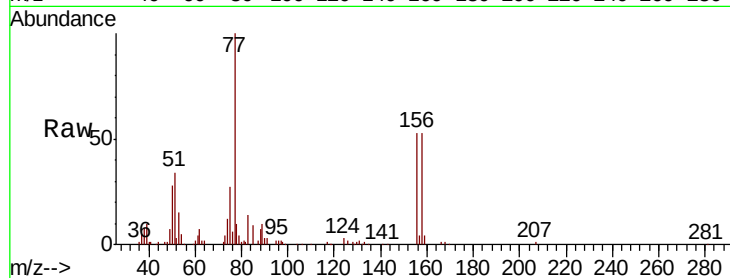
Tot Ion:156 Resp: 45964

Ion Ratio Lower Upper

156 100

77 225.1 112.3 337.0

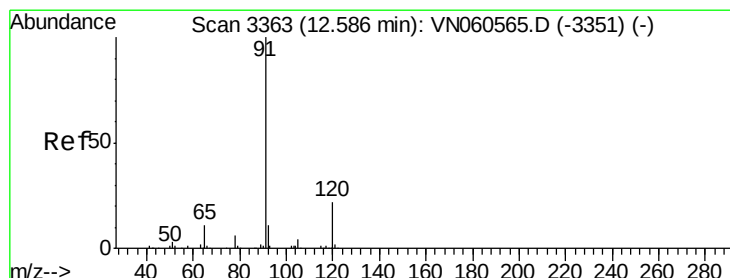
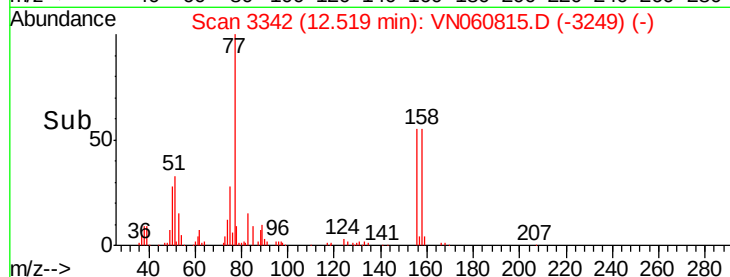
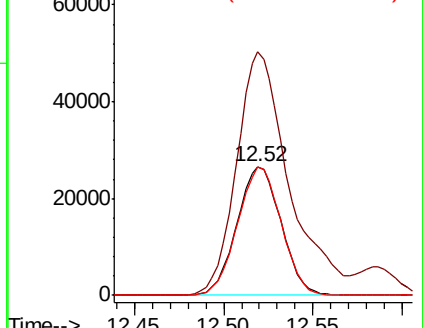
158 98.4 48.6 145.8



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: 19.822 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060815.D

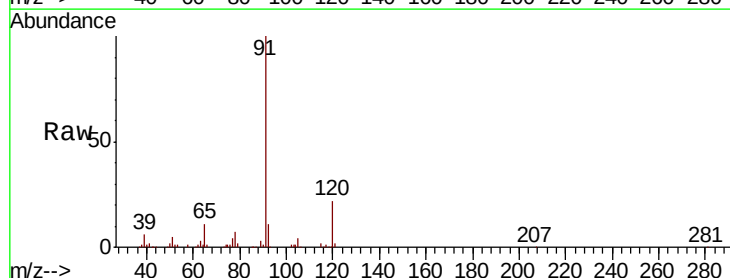
Acq: 2 Apr 2020 11:49

Tgt Ion: 91 Resp: 230747

Ion Ratio Lower Upper

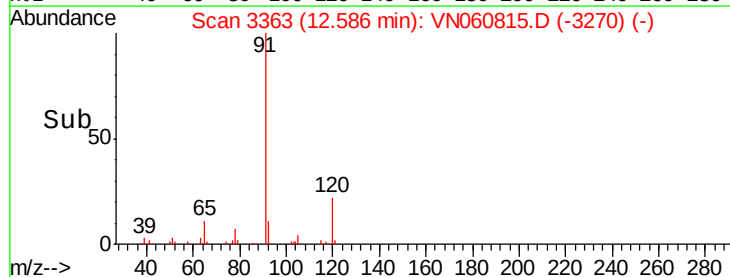
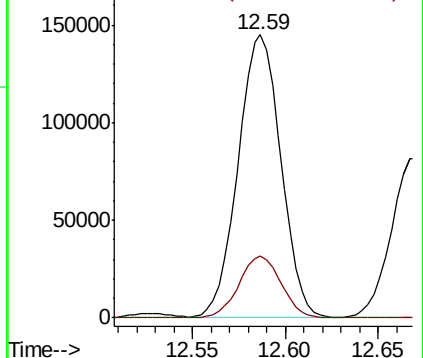
91 100

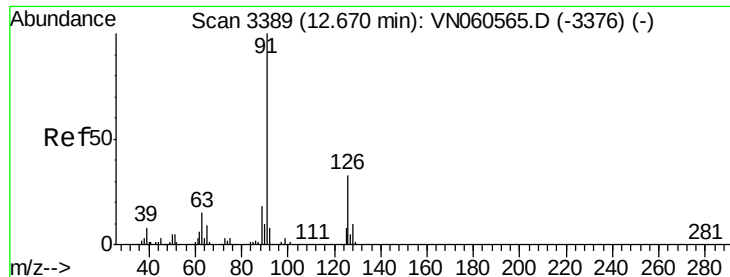
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.387 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

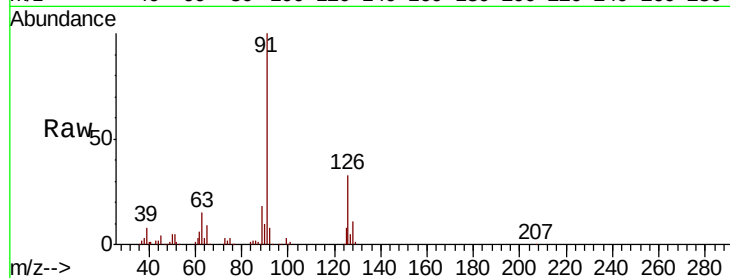
ClientSampled :

Tot Ion: 91 Resp: 134845

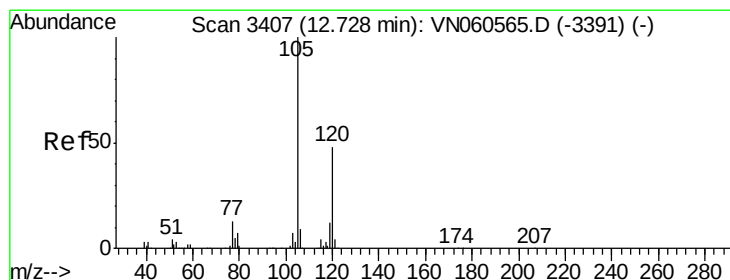
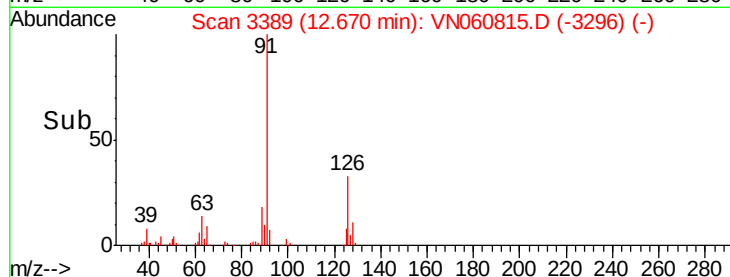
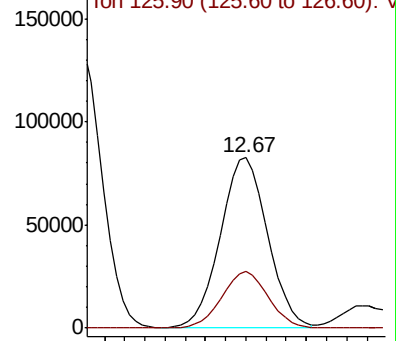
Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060815.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.823 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060815.D

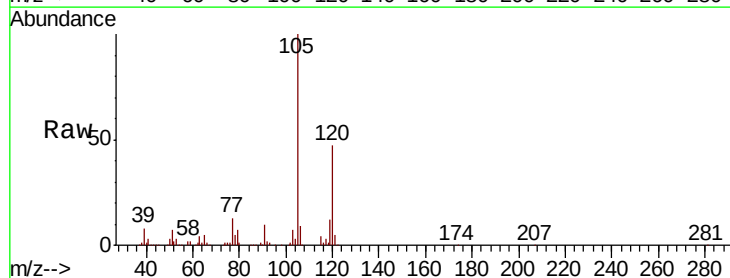
Acq: 2 Apr 2020 11:49

Tgt Ion: 105 Resp: 165750

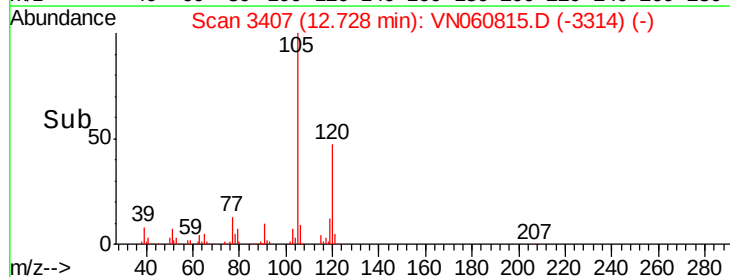
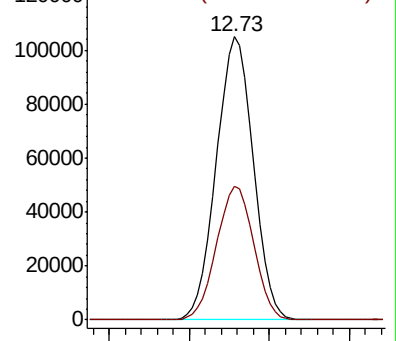
Ion Ratio Lower Upper

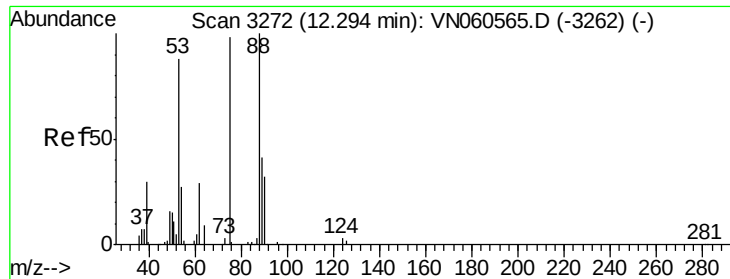
105 100

120 47.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060815.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.151 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

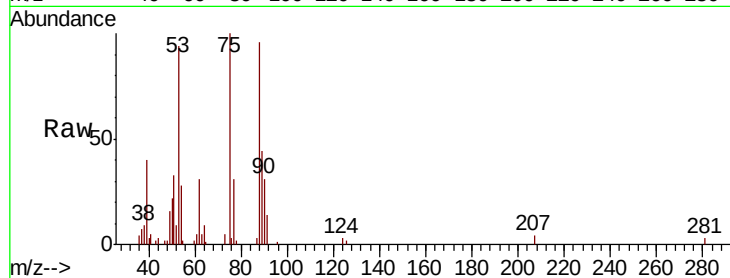
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 21125

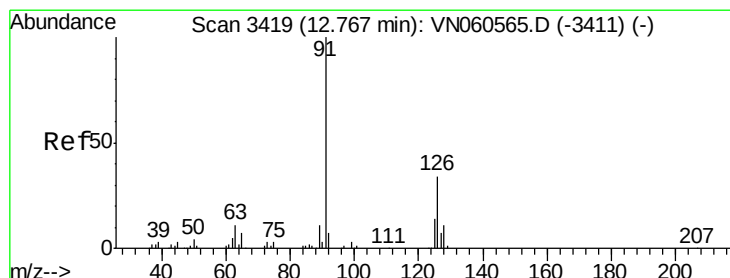
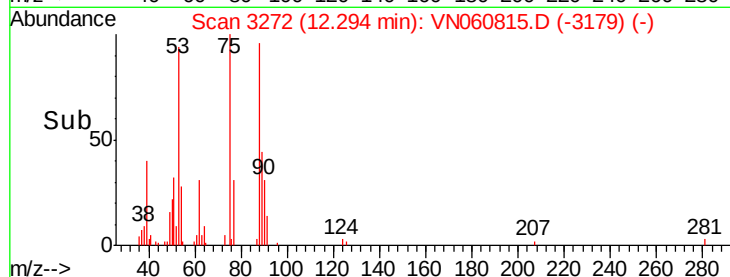
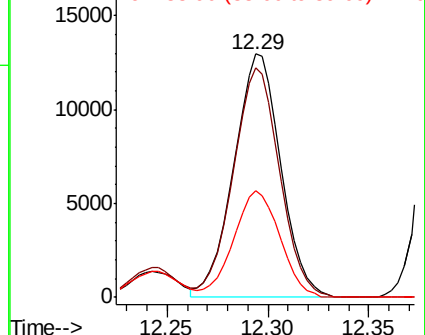
Ion	Ratio	Lower	Upper
75	100		
53	93.3	73.0	109.4
89	43.3	34.8	52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.776 ug/l

RT: 12.77 min Scan# 3419

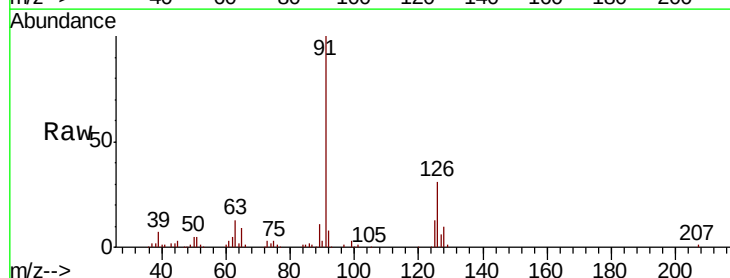
Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

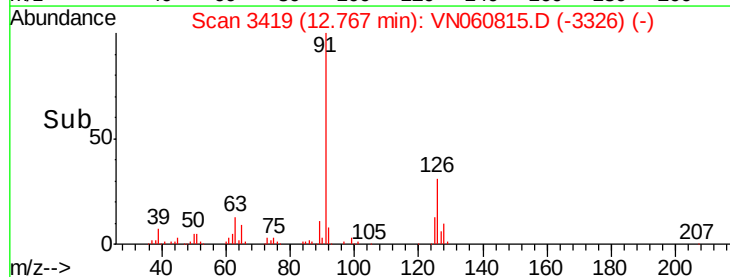
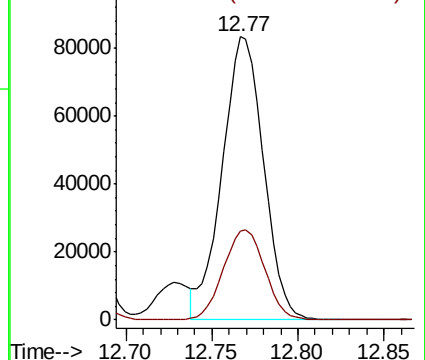
Tgt Ion: 91 Resp: 140095

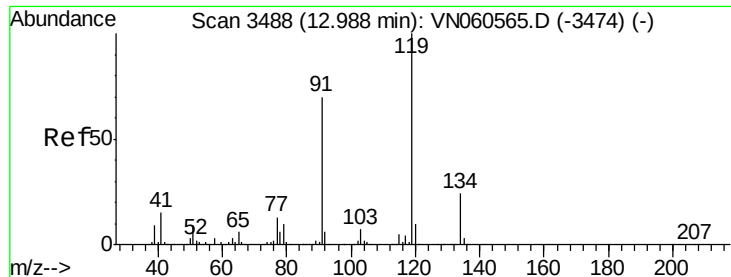
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.2	48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

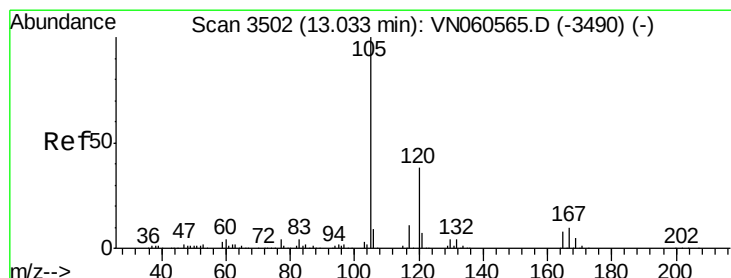
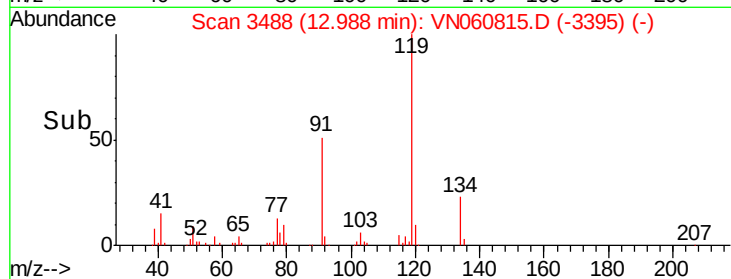
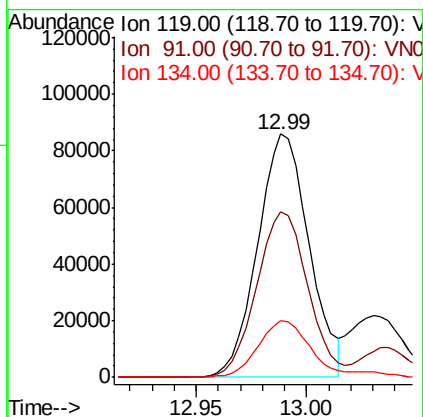
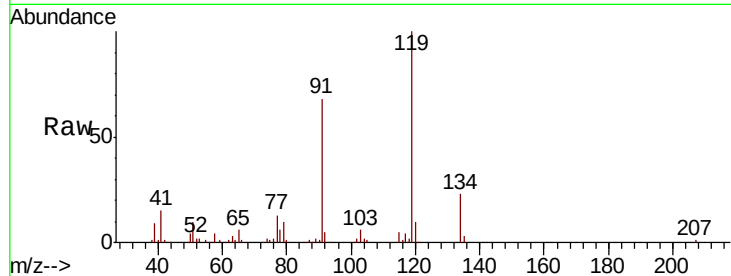




#83
 tert-Butylbenzene
 Concen: 20.037 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

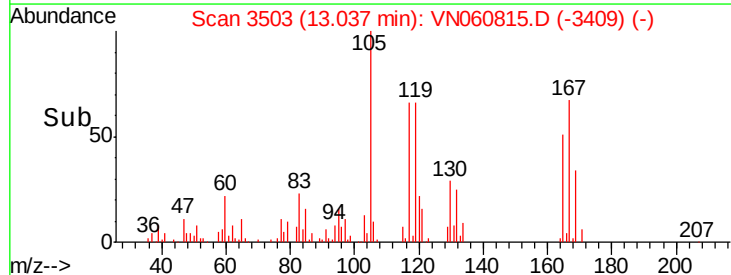
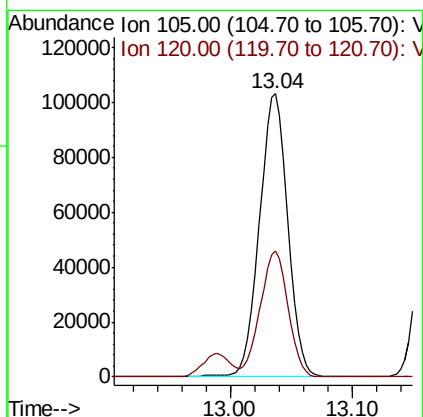
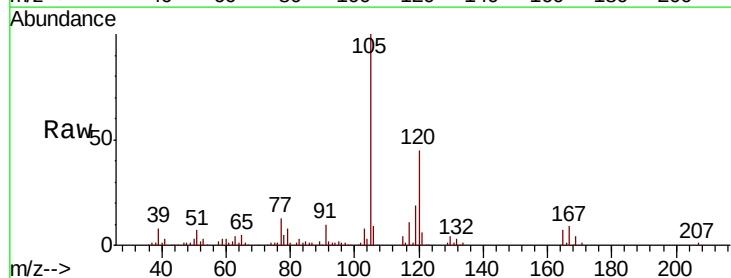
Instrument :
 MSVOA_N
 ClientSampled :

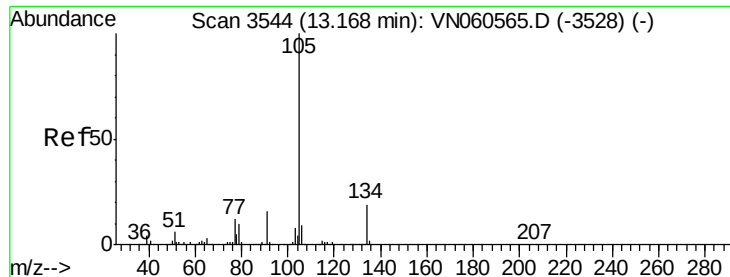
Tot Ion:119 Resp: 138887
 Ion Ratio Lower Upper
 119 100
 91 67.8 34.0 101.8
 134 23.5 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.016 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion:105 Resp: 165579
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.405 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

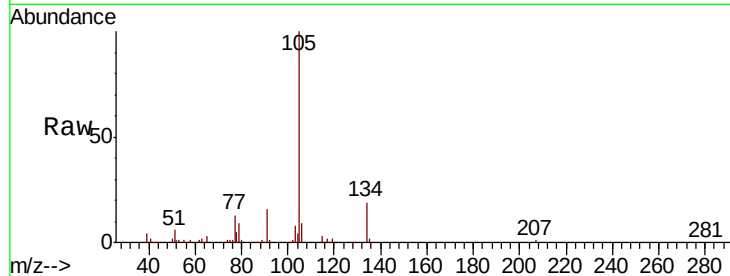
ClientSampleId :

Tot Ion:105 Resp: 190191

Ion Ratio Lower Upper

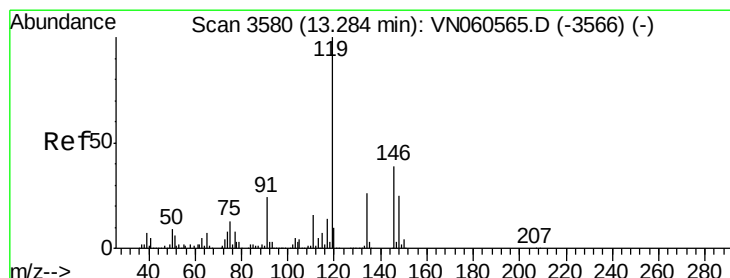
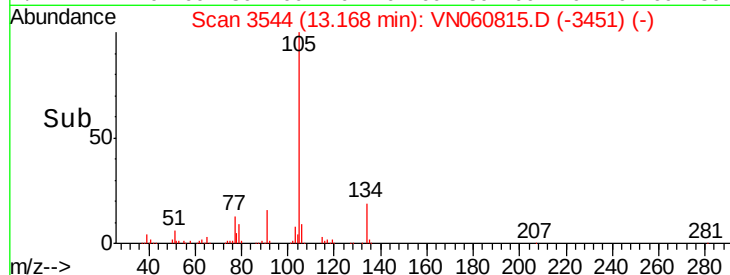
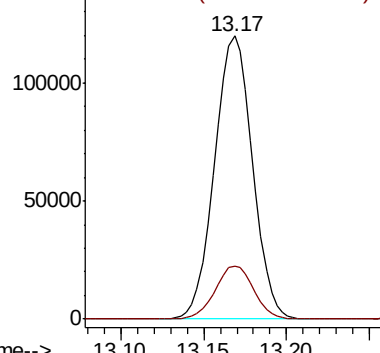
105 100

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: 20.188 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

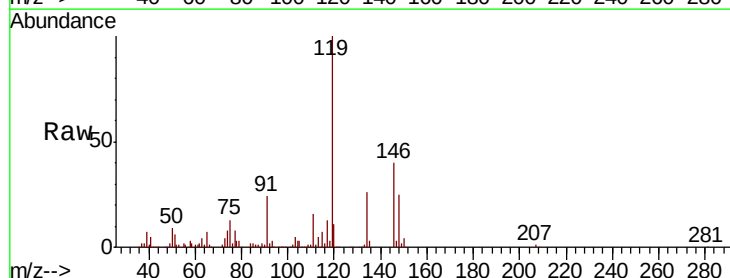
Tgt Ion:119 Resp: 169205

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

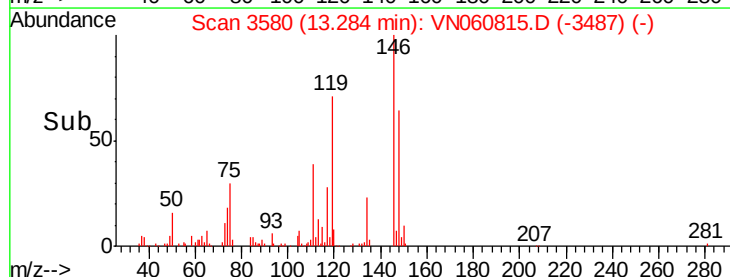
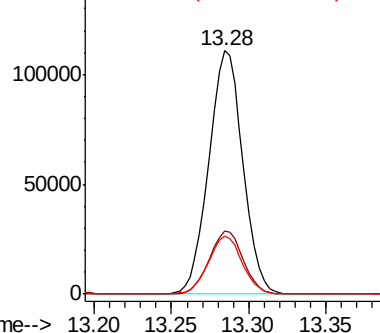
91 23.8 12.0 36.0

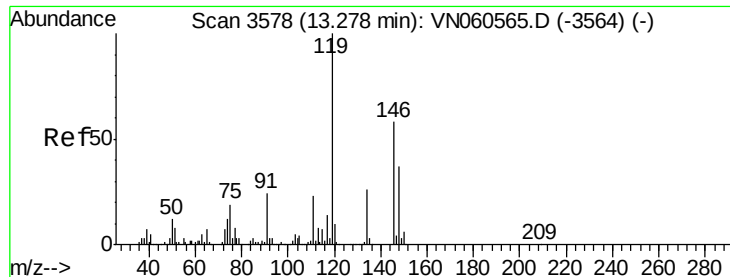


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

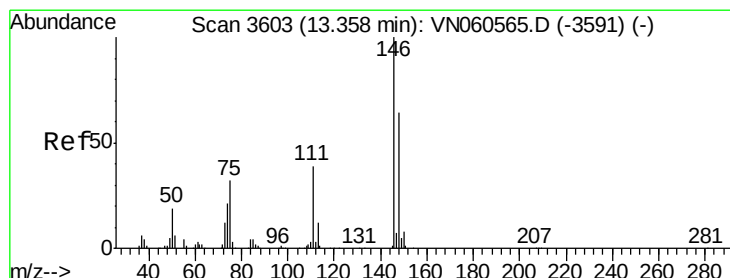
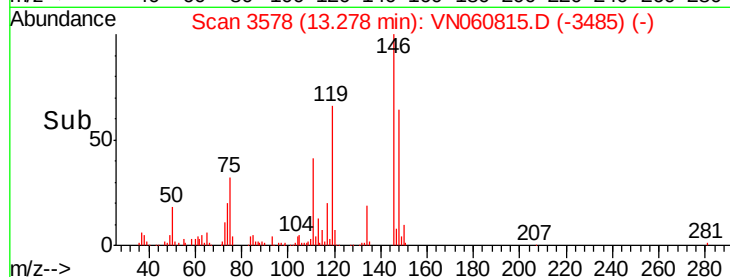
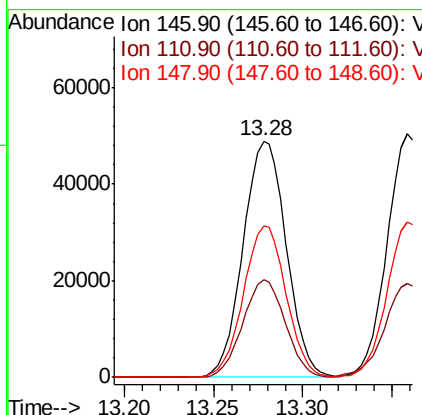
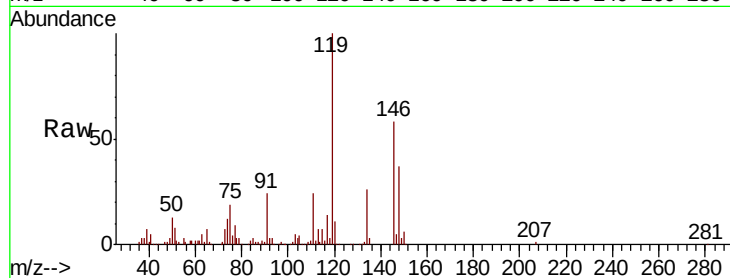




#87
 1,3-Dichlorobenzene
 Concen: 19.841 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

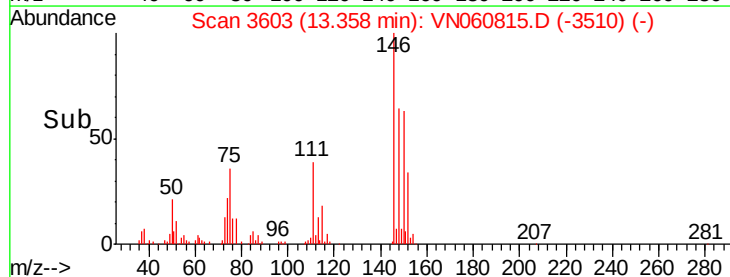
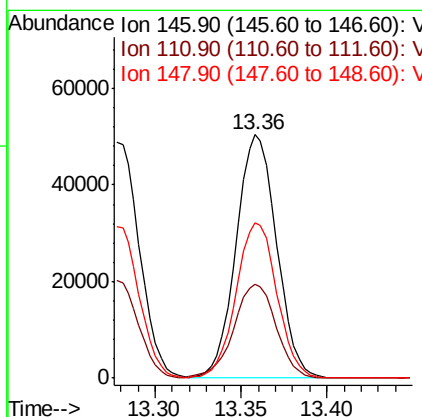
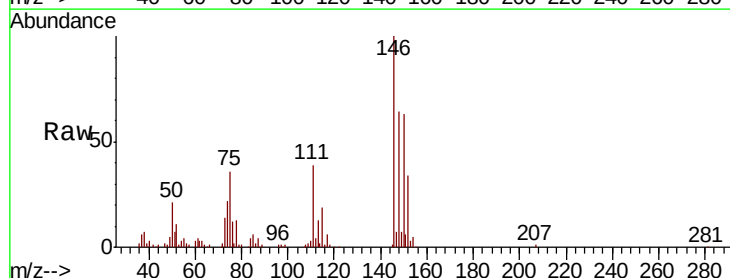
Instrument :
 MSVOA_N
 ClientSampled :

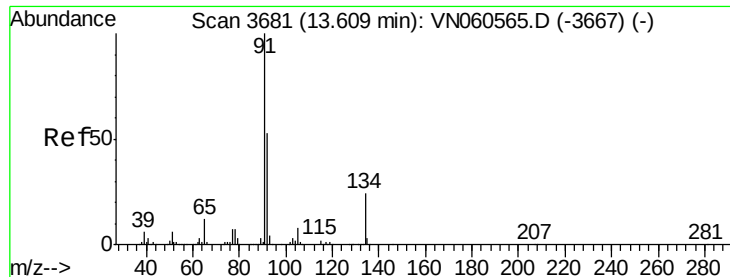
Tot Ion:146 Resp: 83083
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 60.8
 148 63.0 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 19.662 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion:146 Resp: 82721
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.6 58.7
 148 64.3 32.1 96.3





#89

n-Butylbenzene

Concen: 20.363 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

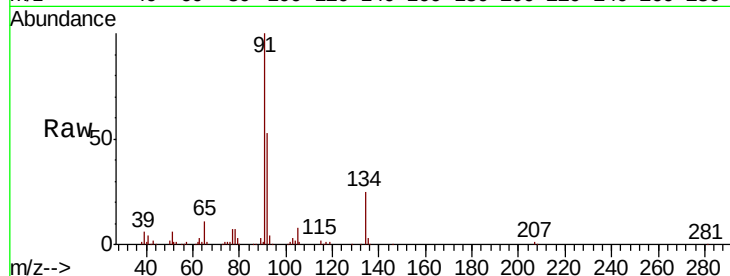
Tot Ion: 91 Resp: 154093

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.5

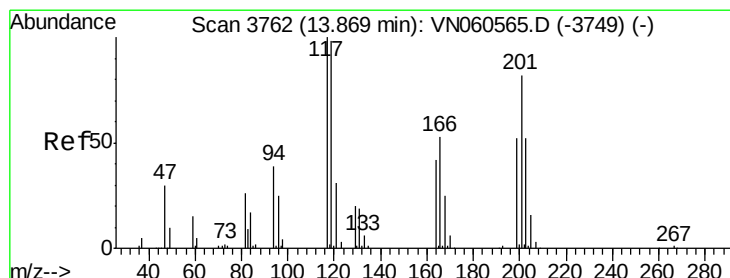
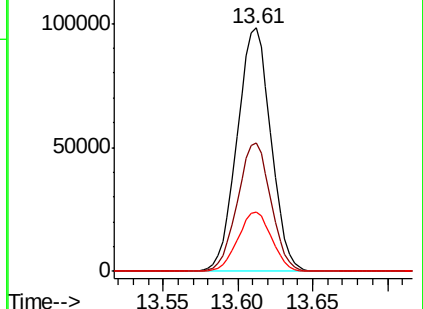
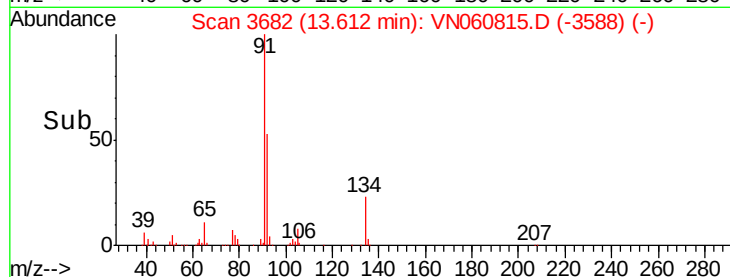
134 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN060815.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060815.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060815.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.770 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060815.D

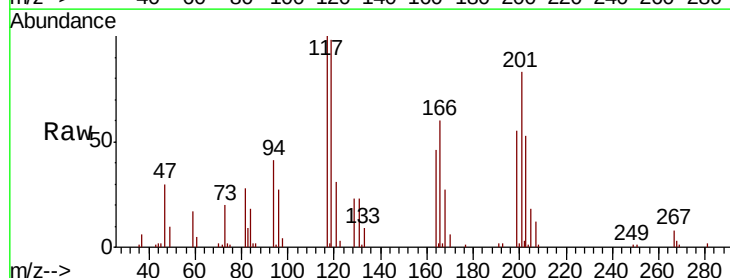
Acq: 2 Apr 2020 11:49

Tgt Ion: 117 Resp: 25305

Ion Ratio Lower Upper

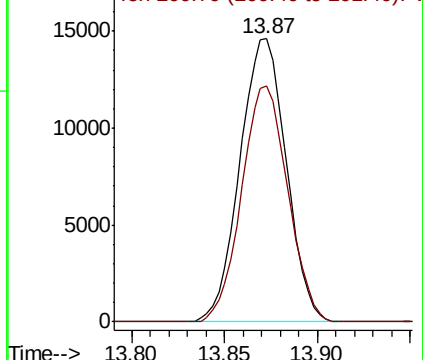
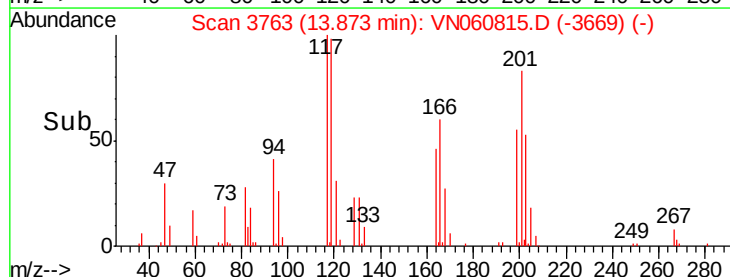
117 100

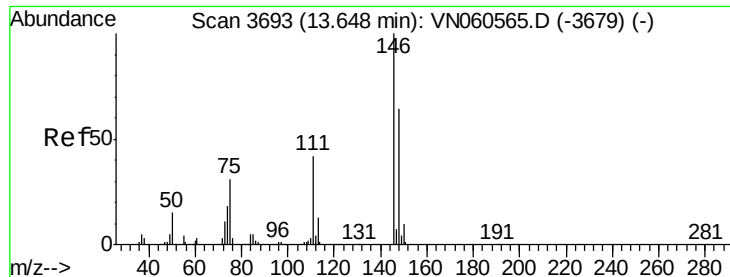
201 83.1 40.8 122.5



Abundance Ion 116.80 (116.50 to 117.50): VN060815.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN060815.D (-3669) (-)

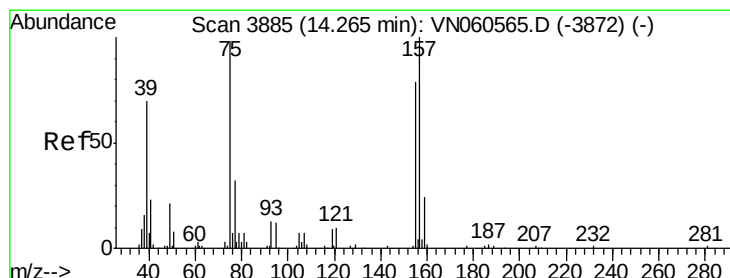
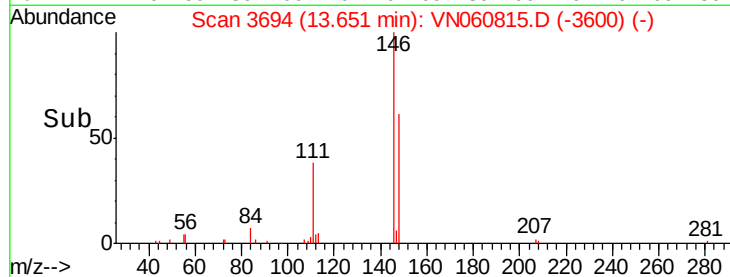
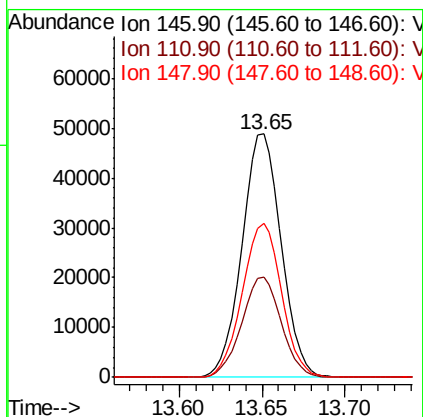
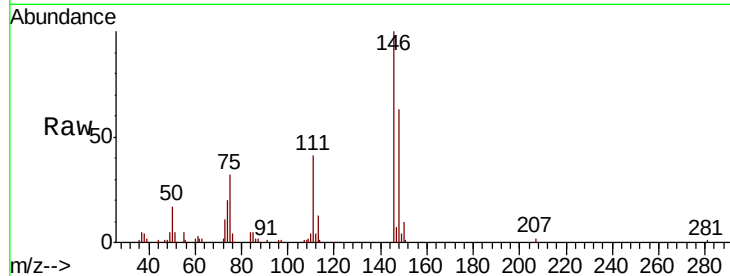




#91
 1,2-Dichlorobenzene
 Concen: 20.112 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

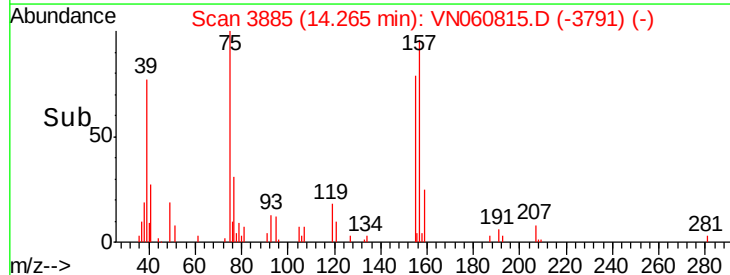
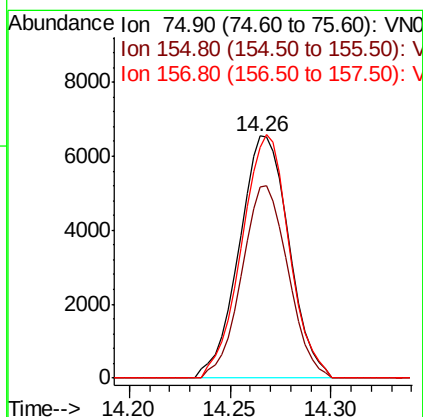
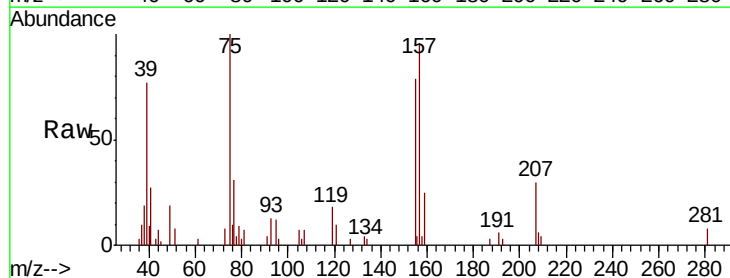
Instrument :
 MSVOA_N
 ClientSampleId :

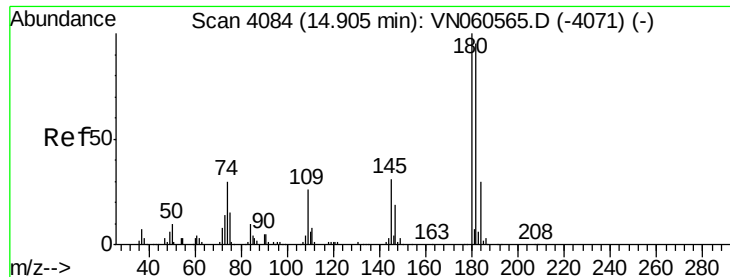
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.0	63.0
148	63.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.925 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	40.7	122.1
157	96.3	51.5	154.7

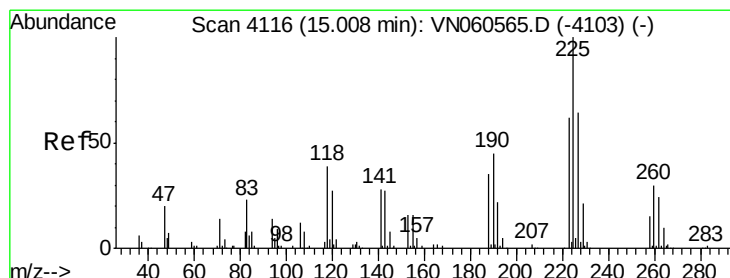
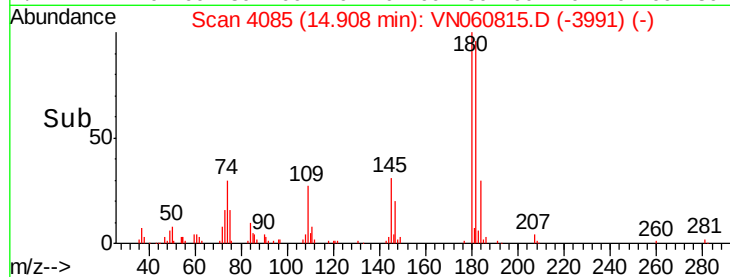
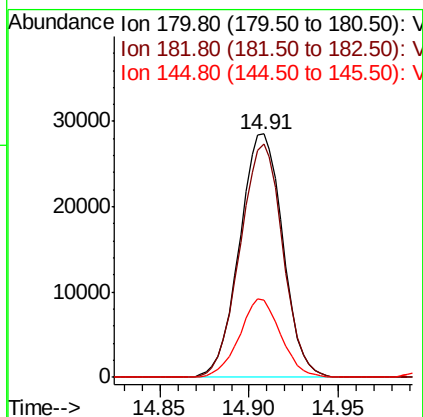
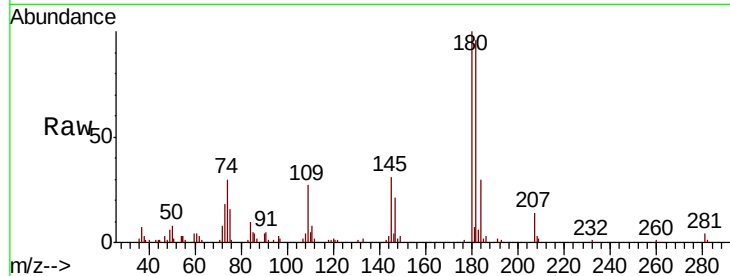




#93
 1,2,4-Trichlorobenzene
 Concen: 19.614 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

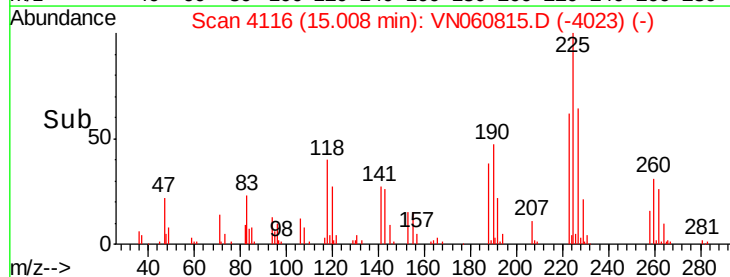
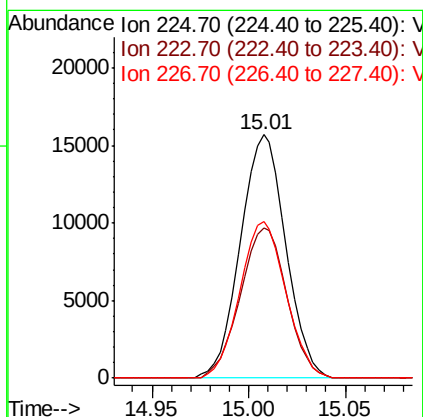
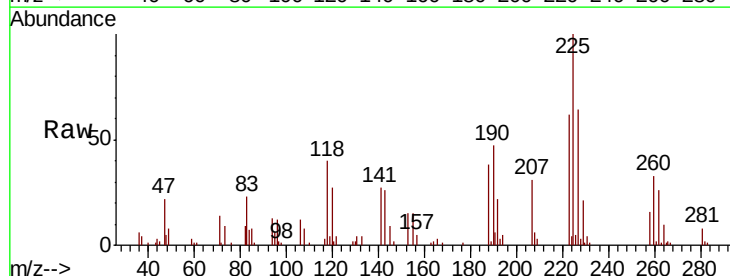
Instrument :
 MSVOA_N
 ClientSampleId :

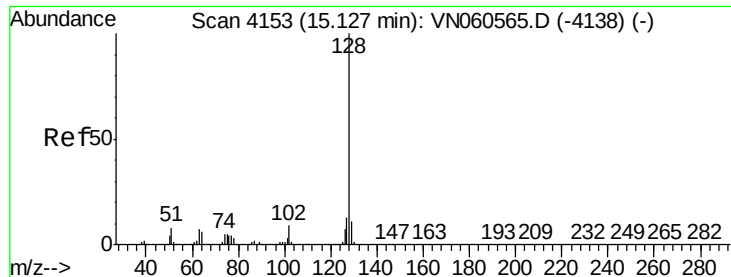
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.8
145	30.7	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 21.205 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	95.0
227	65.0	32.3	96.8

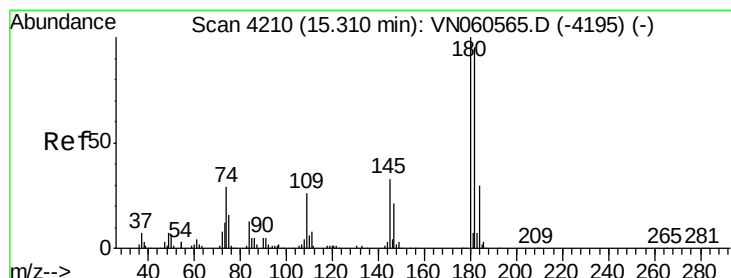
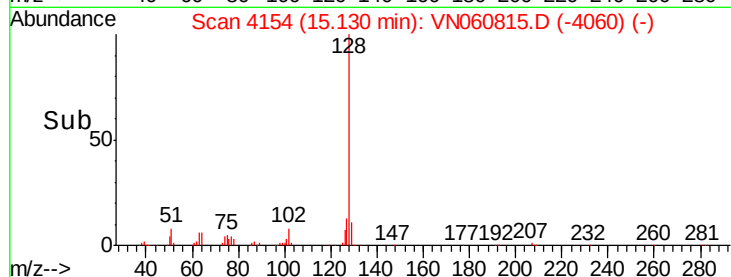
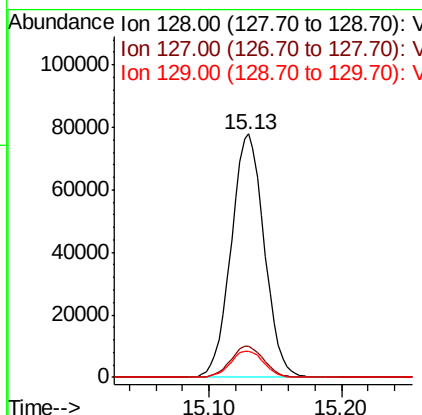
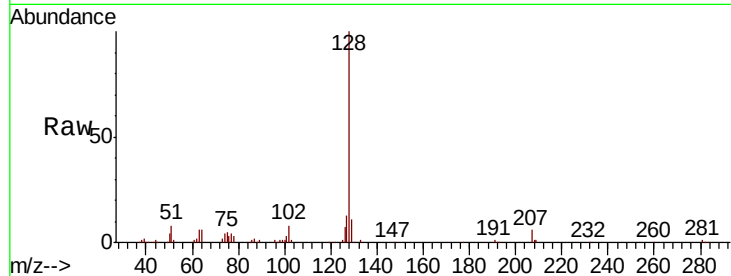




#95
Naphthalene
Concen: 18.235 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 134860
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.084 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion:180 Resp: 46219
Ion Ratio Lower Upper
180 100
182 96.6 47.5 142.6
145 33.2 16.3 48.8

