

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060644.D
 Acq On : 19 Mar 2020 18:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 01:51:26 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	196206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149969	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	131127	48.68	ug/l	0.00
Spiked Amount						
			Recovery	=	97.36%	
35) Dibromofluoromethane	7.56	113	97616	48.64	ug/l	0.00
Spiked Amount						
			Recovery	=	97.28%	
50) Toluene-d8	10.08	98	390334	47.62	ug/l	0.00
Spiked Amount						
			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.40	95	147359	49.05	ug/l	0.00
Spiked Amount						
			Recovery	=	98.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96939	51.062	ug/l	99
3) Chloromethane	2.04	50	167902	47.354	ug/l	100
4) Vinyl Chloride	2.16	62	138028	49.770	ug/l	99
5) Bromomethane	2.54	94	60472	50.512	ug/l	98
6) Chloroethane	2.68	64	80662	50.491	ug/l	100
7) Trichlorofluoromethane	3.00	101	172018	50.352	ug/l	100
8) Diethyl Ether	3.38	74	70404	51.300	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	100213	50.624	ug/l	99
10) Methyl Iodide	3.93	142	96831	54.972	ug/l	100
11) Tert butyl alcohol	4.73	59	113560	286.679	ug/l	100
12) 1,1-Dichloroethene	3.72	96	104332	49.114	ug/l	98
13) Acrolein	3.58	56	83895	191.095	ug/l	99
14) Allyl chloride	4.29	41	181575	48.599	ug/l	99
15) Acrylonitrile	4.94	53	309668	265.847	ug/l	100
16) Acetone	3.78	43	251989	264.117	ug/l	99
17) Carbon Disulfide	4.03	76	318542	49.305	ug/l	100
18) Methyl Acetate	4.29	43	138068	51.413	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	367206	50.278	ug/l	98
20) Methylene Chloride	4.52	84	118113	50.325	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	112005	49.471	ug/l	96
22) Diisopropyl ether	5.92	45	410632	52.022	ug/l	96
23) Vinyl Acetate	5.86	43	1734944	269.386	ug/l	99
24) 1,1-Dichloroethane	5.81	63	220631	51.273	ug/l	99
25) 2-Butanone	6.80	43	414397	268.415	ug/l	99
26) 2,2-Dichloropropane	6.80	77	166508	49.181	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	128666	50.010	ug/l	99
28) Bromochloromethane	7.17	49	106121	51.546	ug/l	99
29) Tetrahydrofuran	7.18	42	285361	261.237	ug/l	100
30) Chloroform	7.35	83	209306	50.739	ug/l	98
31) Cyclohexane	7.63	56	206895	47.692	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	181068	50.916	ug/l	99
36) 1,1-Dichloropropene	7.77	75	164639	51.230	ug/l	100
37) Ethyl Acetate	6.90	43	174675	50.303	ug/l	99
38) Carbon Tetrachloride	7.75	117	147975	51.375	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	190877	49.980	ug/l	98
40) Benzene	8.02	78	485331	50.027	ug/l	100
41) Methacrylonitrile	7.18	41	254938	172.028	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	167337	50.472	ug/l	100
43) Isopropyl Acetate	8.14	43	299177	52.242	ug/l	100
44) Trichloroethene	8.82	130	121192	49.555	ug/l	99
45) 1,2-Dichloropropane	9.10	63	131664	51.434	ug/l	98
46) Dibromomethane	9.19	93	80107	51.762	ug/l	100
47) Bromodichloromethane	9.39	83	166184	51.675	ug/l	99
48) Methyl methacrylate	9.18	41	136280	53.449	ug/l	99
49) 1,4-Dioxane	9.18	88	38514	1270.816	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	888651	272.693	ug/l	100
52) Toluene	10.14	92	297856	50.838	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	193017	52.251	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	206361	50.921	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	114805	50.933	ug/l	99
56) Ethyl methacrylate	10.42	69	192828	54.866	ug/l	100
57) 1,3-Dichloropropane	10.70	76	201235	51.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	485549	277.969	ug/l	100
59) 2-Hexanone	10.74	43	657355	280.026	ug/l	99
60) Dibromochloromethane	10.89	129	124073	53.289	ug/l	100
61) 1,2-Dibromoethane	10.99	107	118723	52.381	ug/l	100
64) Tetrachloroethene	10.62	164	112351	46.121	ug/l	99
65) Chlorobenzene	11.43	112	303215	49.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	113206	50.949	ug/l	98
67) Ethyl Benzene	11.50	91	571931	50.115	ug/l	99
68) m/p-Xylenes	11.62	106	419204	98.848	ug/l	98
69) o-Xylene	11.94	106	204679	50.558	ug/l	99
70) Styrene	11.96	104	351889	53.146	ug/l	99
71) Bromoform	12.12	173	91340	49.479	ug/l #	99
73) Isopropylbenzene	12.24	105	545492	48.469	ug/l	99
74) N-amyl acetate	12.06	43	274681	52.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	171984	50.532	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	231253	71.462	ug/l #	100
77) Bromobenzene	12.52	156	131274	48.406	ug/l	99
78) n-propylbenzene	12.59	91	644426	48.466	ug/l	99
79) 2-Chlorotoluene	12.67	91	378257	47.611	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	458889	48.047	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63556	50.442	ug/l	100
82) 4-Chlorotoluene	12.77	91	395951	48.934	ug/l	99
83) tert-Butylbenzene	12.99	119	380540	48.064	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	459314	48.611	ug/l	100
85) sec-Butylbenzene	13.17	105	510420	47.942	ug/l	100
86) p-Isopropyltoluene	13.28	119	463576	48.422	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	233179	48.751	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	232931	48.471	ug/l	99
89) n-Butylbenzene	13.61	91	420992	48.705	ug/l	99
90) Hexachloroethane	13.87	117	71847	51.628	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	223884	48.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	36213	50.803	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	142188	50.626	ug/l	99
94) Hexachlorobutadiene	15.01	225	62755	45.579	ug/l	99
95) Naphthalene	15.13	128	440061	52.092	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134294	48.544	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

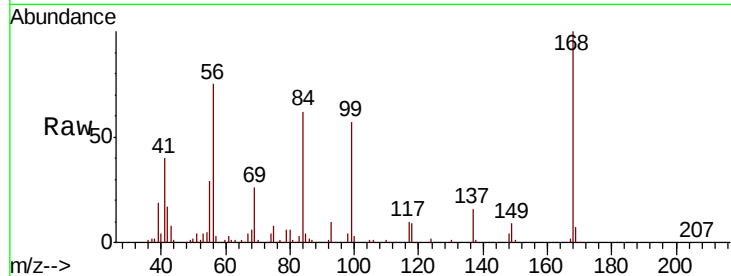
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 196206

Ion Ratio Lower Upper

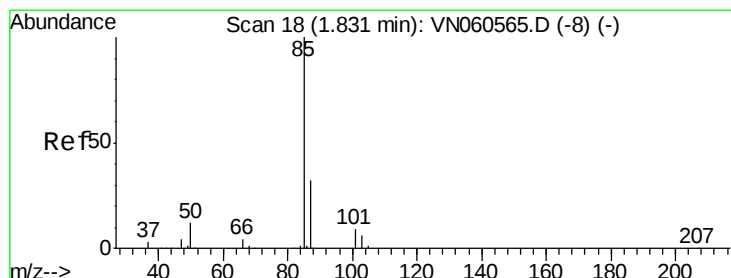
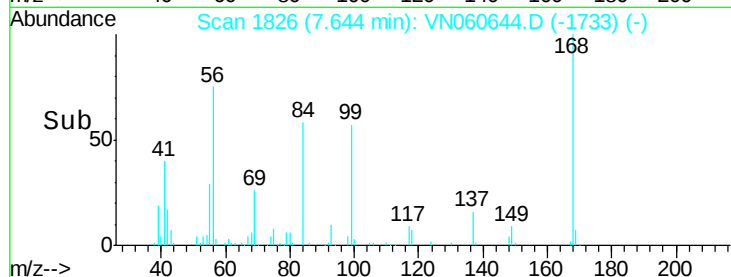
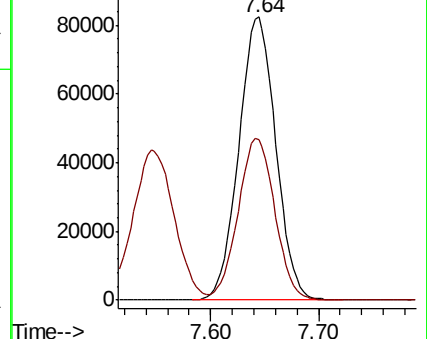
168 100

99 56.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.062 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060644.D

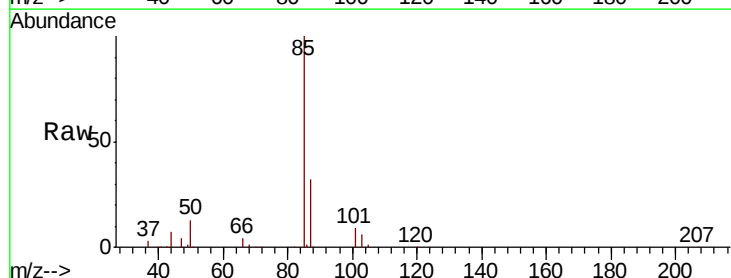
Acq: 19 Mar 2020 18:03

Tgt Ion: 85 Resp: 96939

Ion Ratio Lower Upper

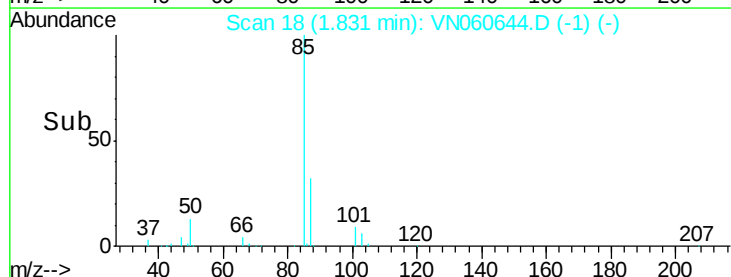
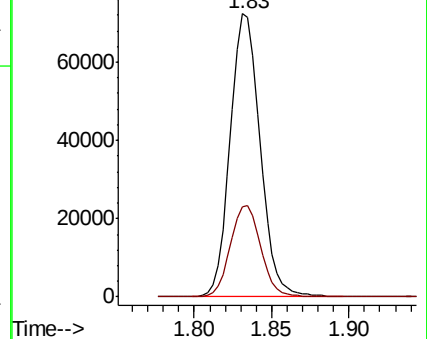
85 100

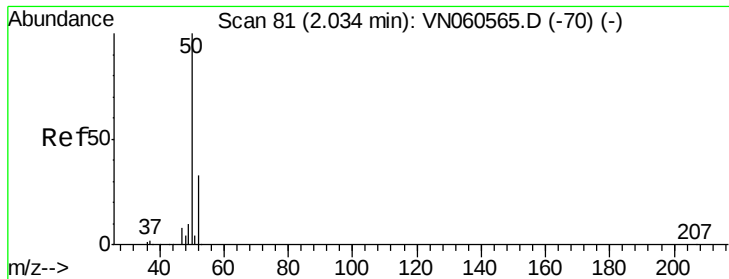
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.354 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

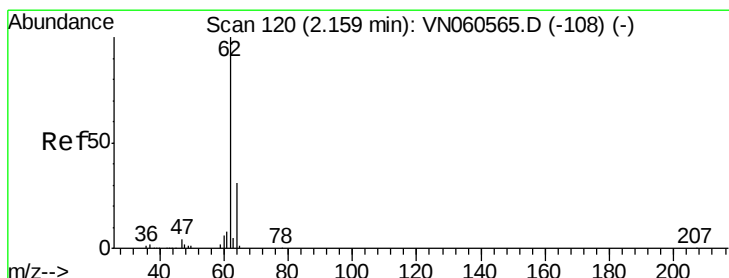
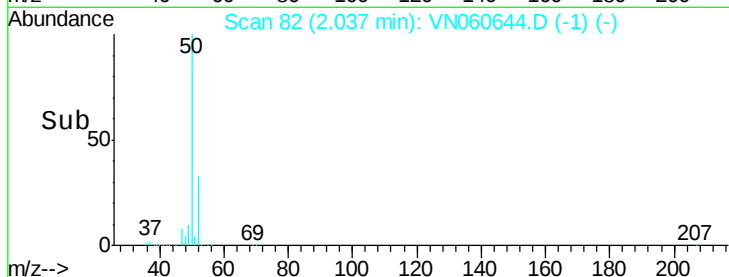
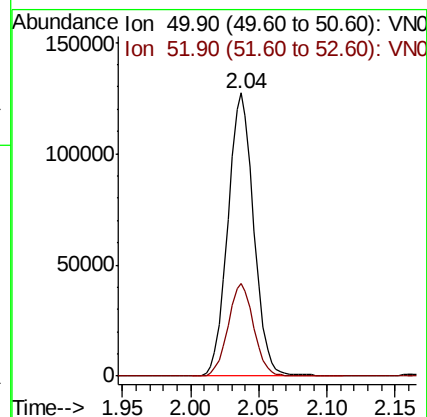
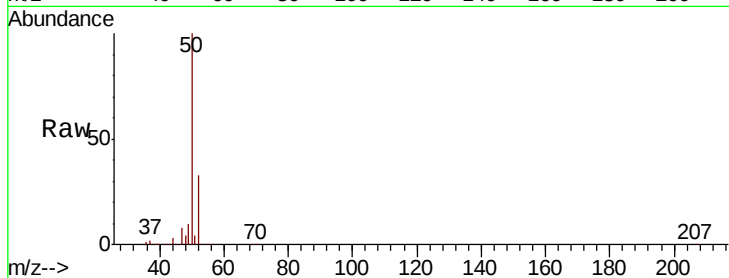
ClientSampled :

Tot Ion: 50 Resp: 167902

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



#4

Vinyl Chloride

Concen: 49.770 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060644.D

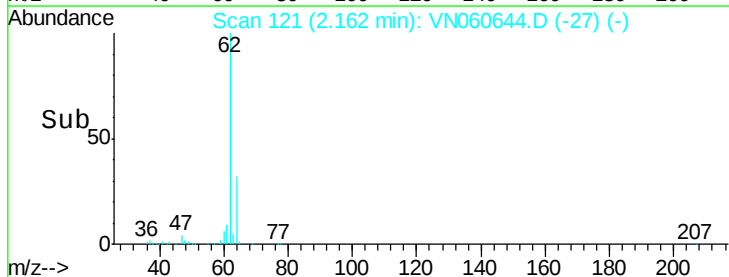
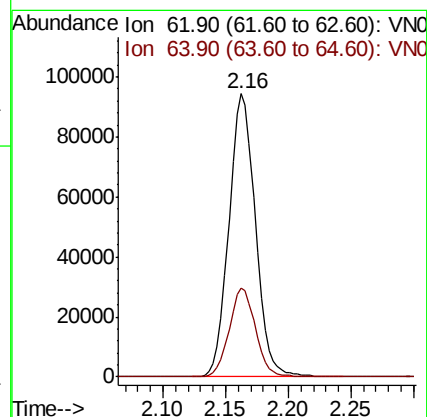
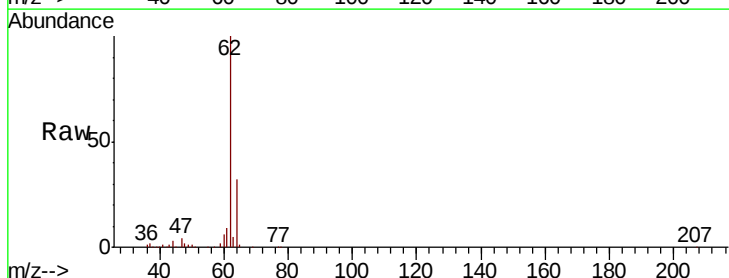
Acq: 19 Mar 2020 18:03

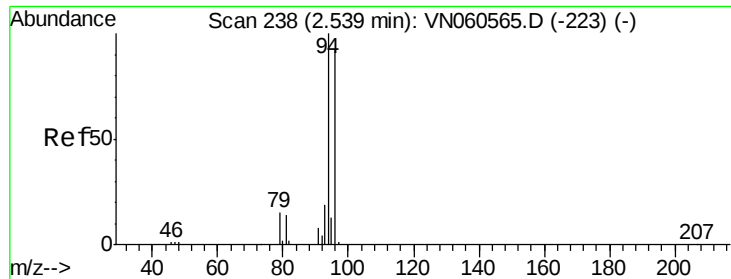
Tgt Ion: 62 Resp: 138028

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 50.512 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

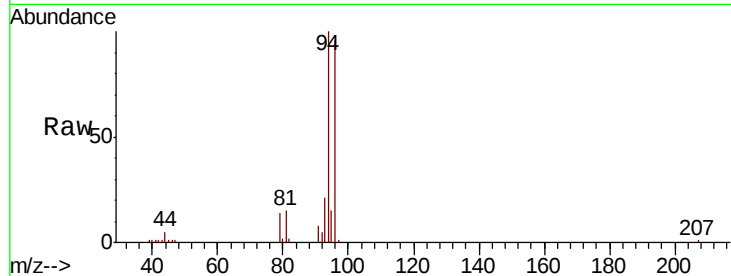
ClientSampleId :

Tot Ion: 94 Resp: 60472

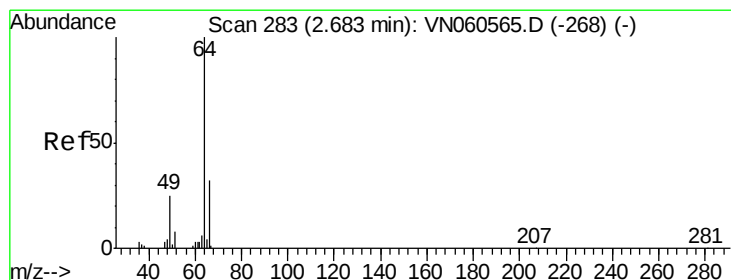
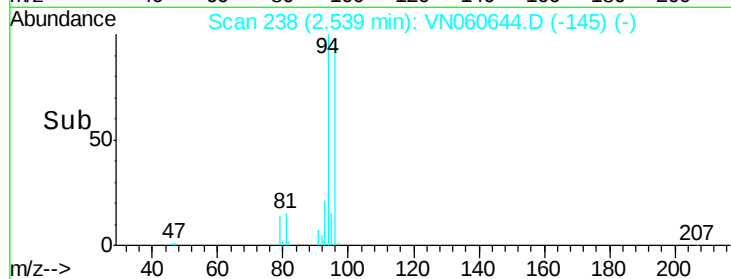
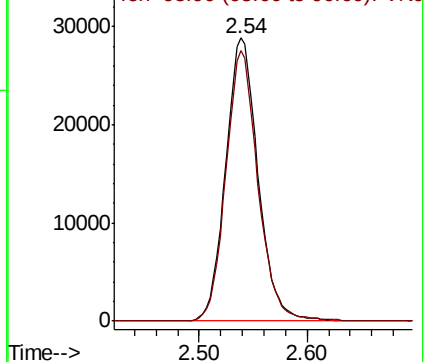
Ion Ratio Lower Upper

94 100

96 95.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.491 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060644.D

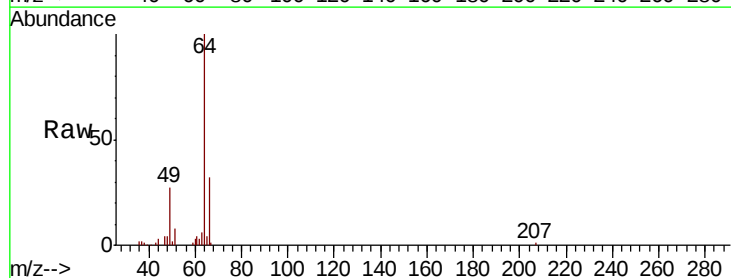
Acq: 19 Mar 2020 18:03

Tgt Ion: 64 Resp: 80662

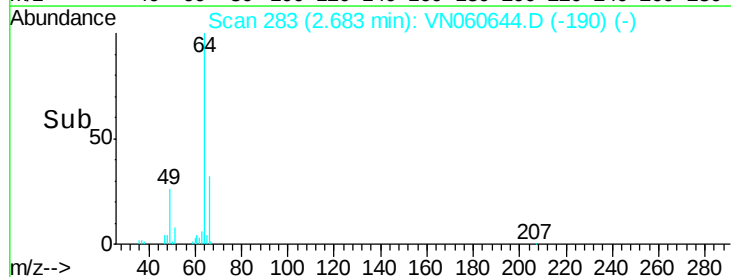
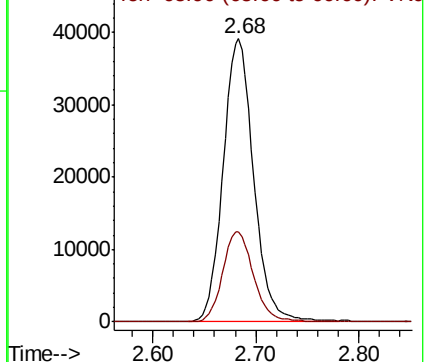
Ion Ratio Lower Upper

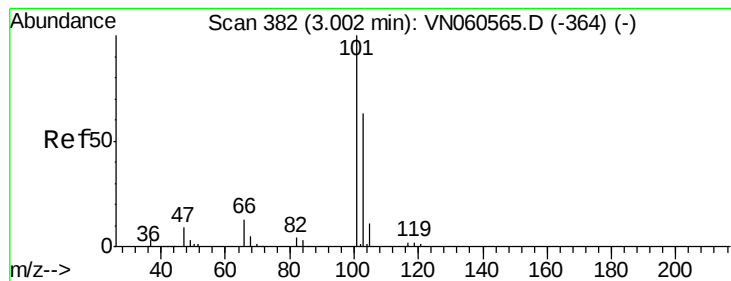
64 100

66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



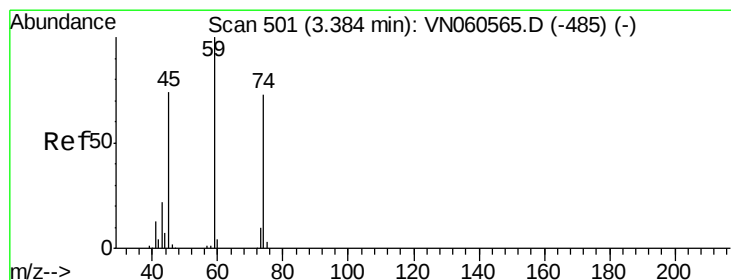
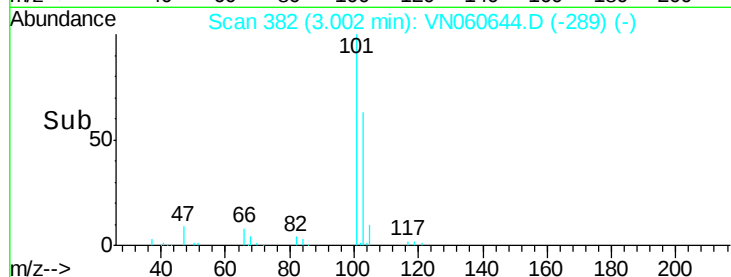
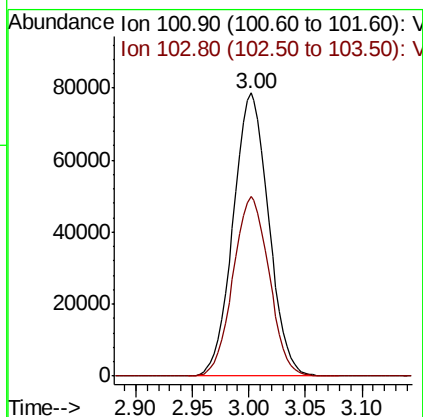
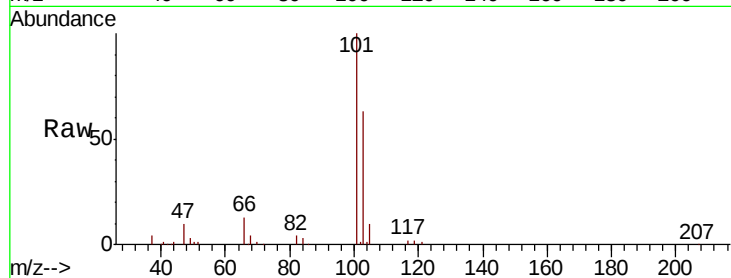


#7

Trichlorofluoromethane
 Concen: 50.352 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampled :

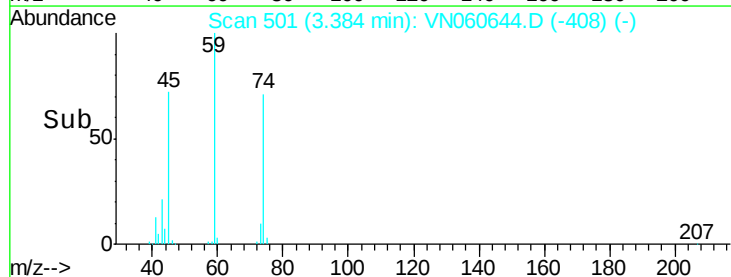
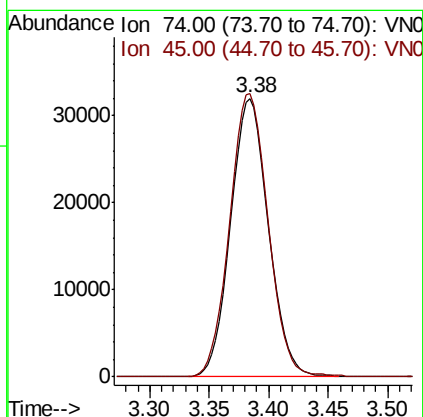
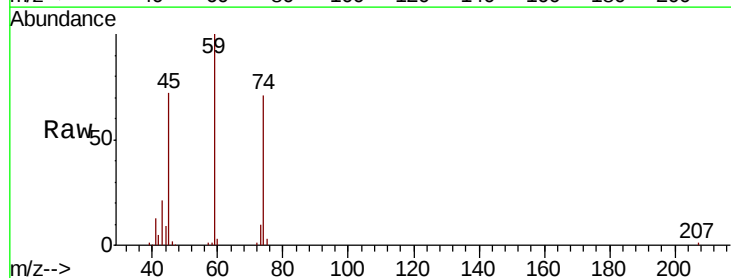
Tot Ion:101 Resp: 172018
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.6 76.0

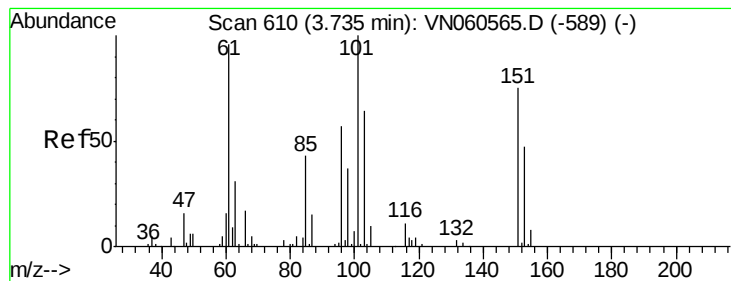


#8

Diethyl Ether
 Concen: 51.300 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion: 74 Resp: 70404
 Ion Ratio Lower Upper
 74 100
 45 103.6 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.624 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

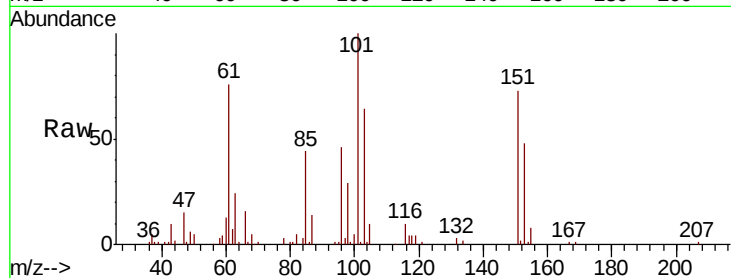
Tot Ion:101 Resp: 100213

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

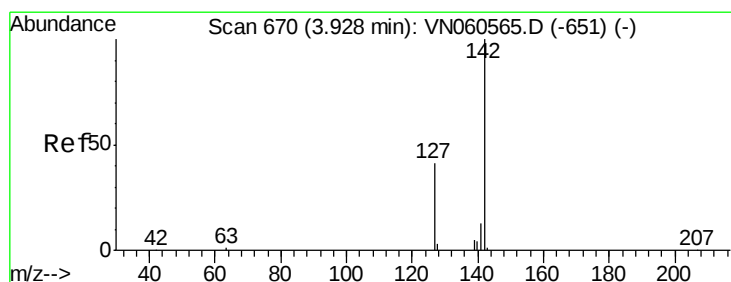
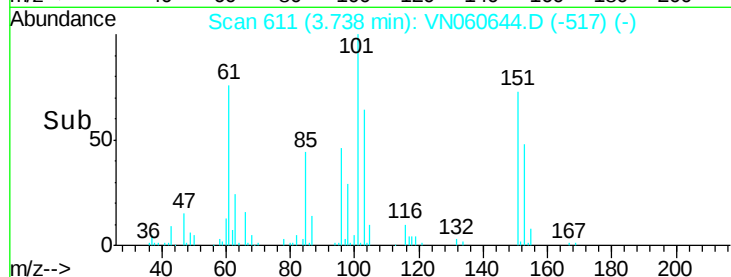
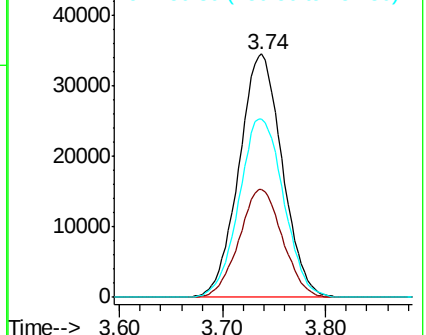
151 76.0 61.4 92.2



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: 54.972 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

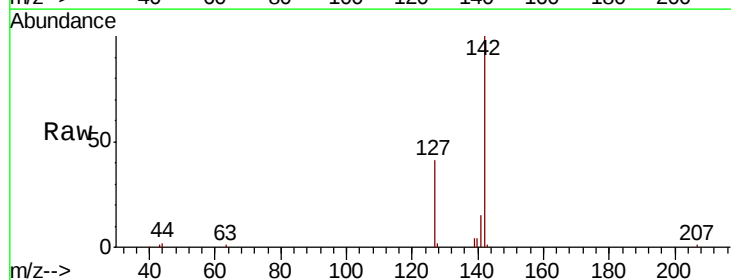
Tgt Ion:142 Resp: 96831

Ion Ratio Lower Upper

142 100

127 41.8 33.5 50.3

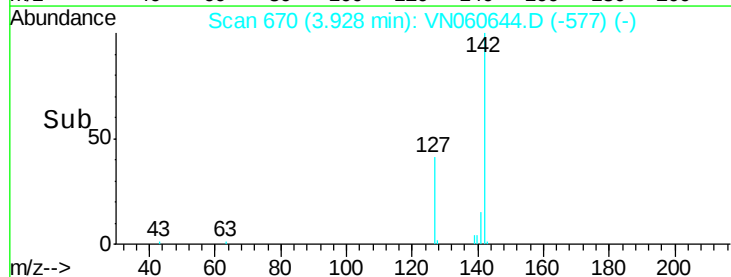
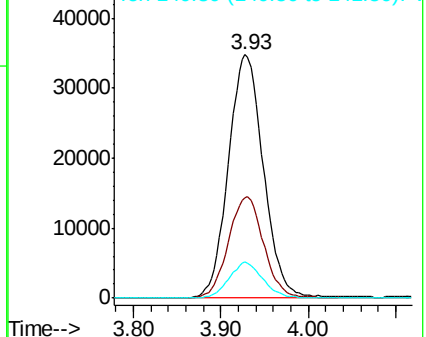
141 14.1 11.0 16.6

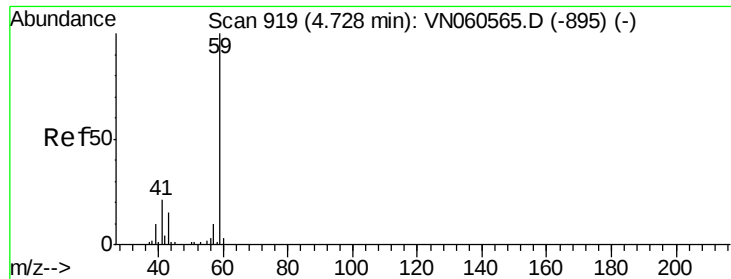


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



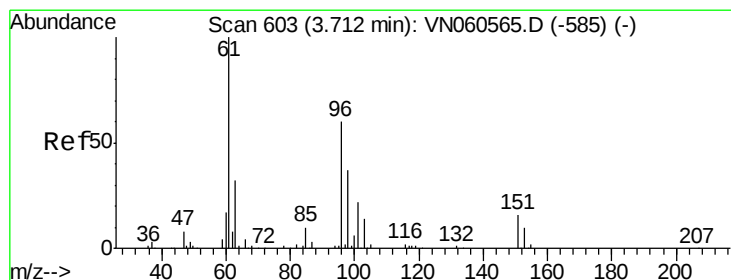
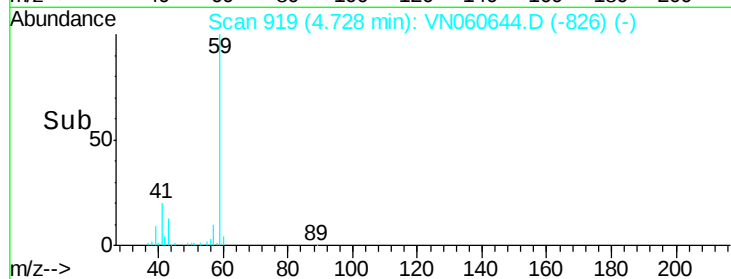
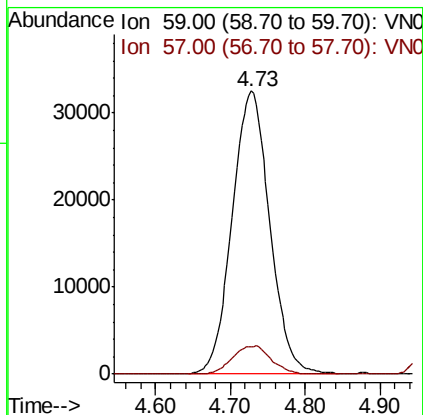
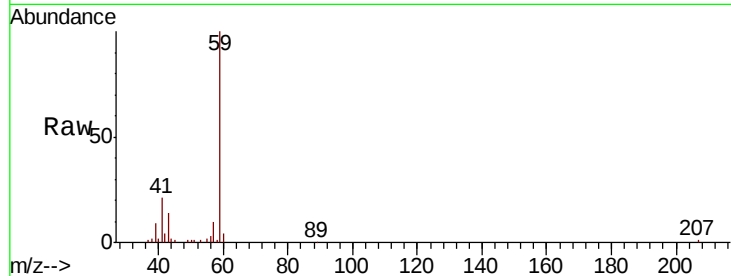


#11

Tert butyl alcohol
Concen: 286.679 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :

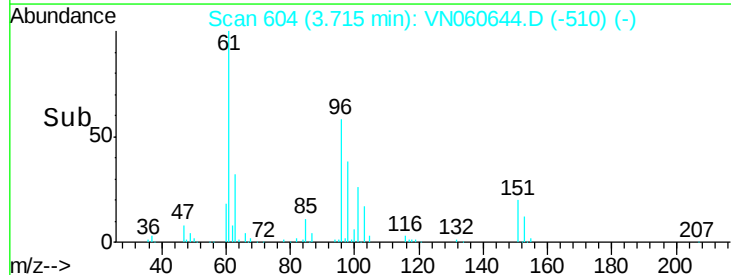
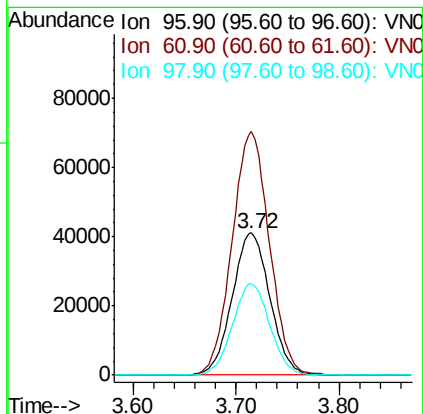
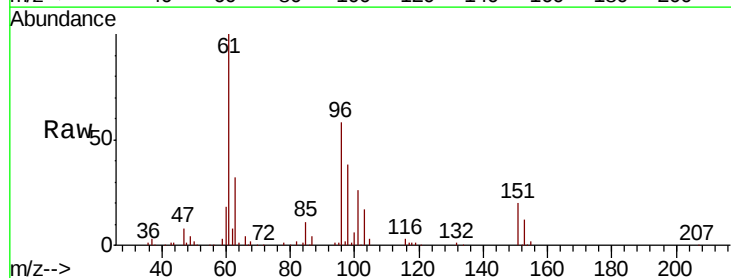
Tot Ion: 59 Resp: 113560
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12

1,1-Dichloroethene
Concen: 49.114 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 96 Resp: 104332
Ion Ratio Lower Upper
96 100
61 171.1 134.1 201.1
98 64.2 49.9 74.9





#13

Acrolein

Concen: 191.095 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

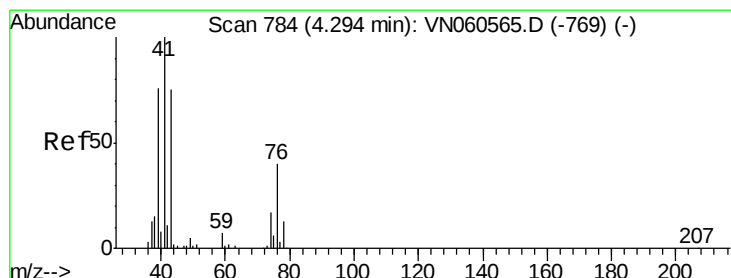
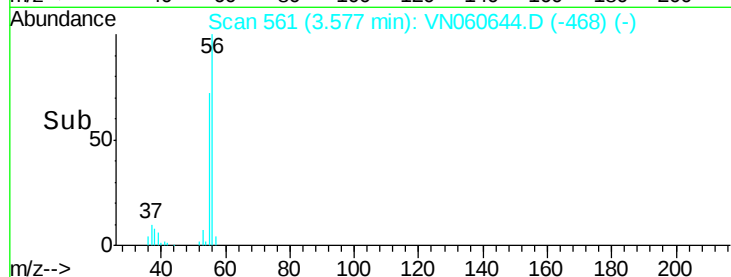
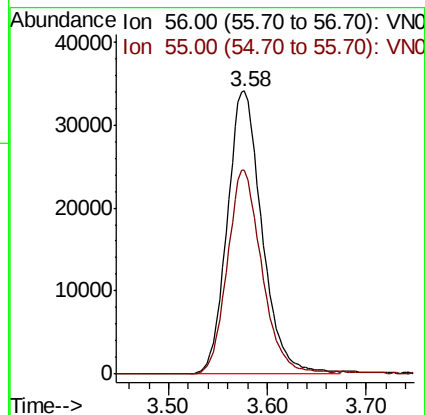
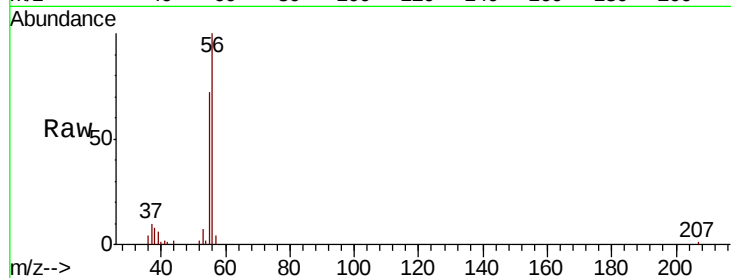
ClientSampleId :

Tot Ion: 56 Resp: 83895

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



#14

Allyl chloride

Concen: 48.599 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

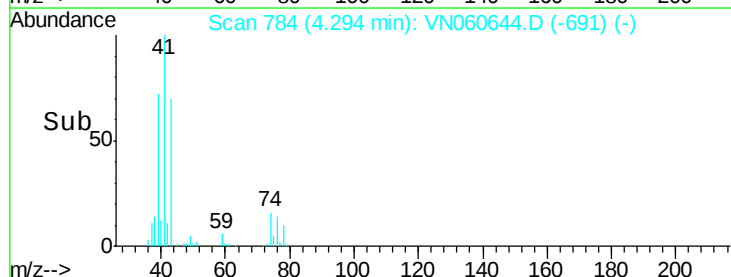
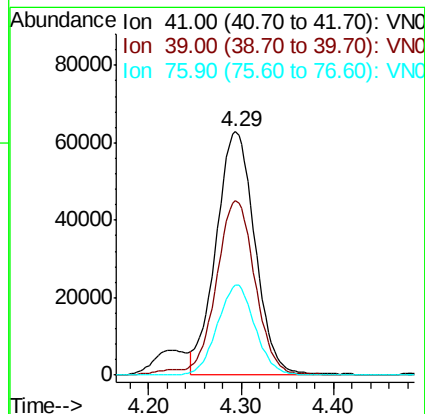
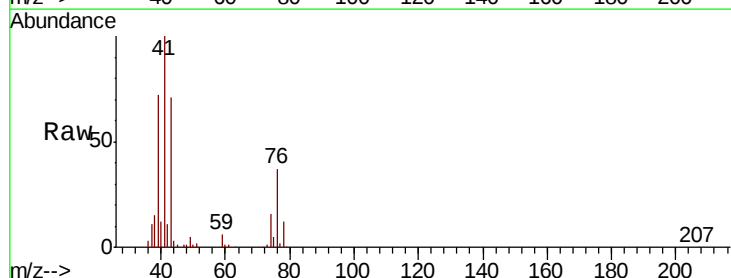
Tgt Ion: 41 Resp: 181575

Ion Ratio Lower Upper

41 100

39 73.5 57.8 86.8

76 36.0 28.6 43.0





#15

Acrylonitrile

Concen: 265.847 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampled :

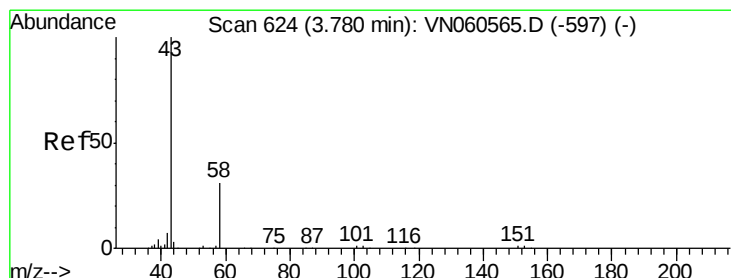
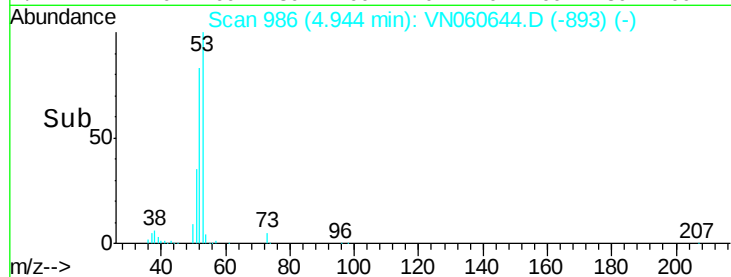
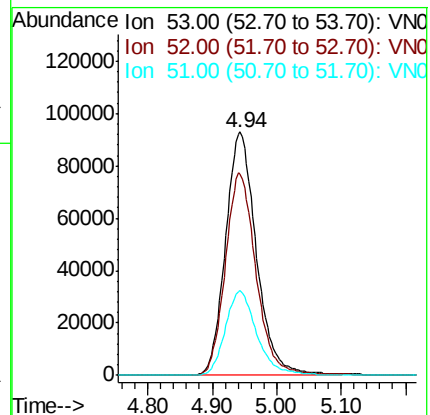
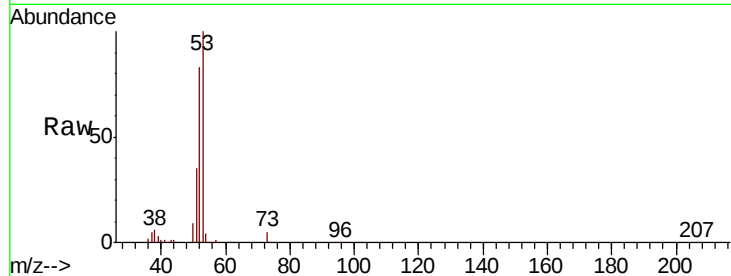
Tot Ion: 53 Resp: 309668

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.4

51 35.6 28.7 43.1



#16

Acetone

Concen: 264.117 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060644.D

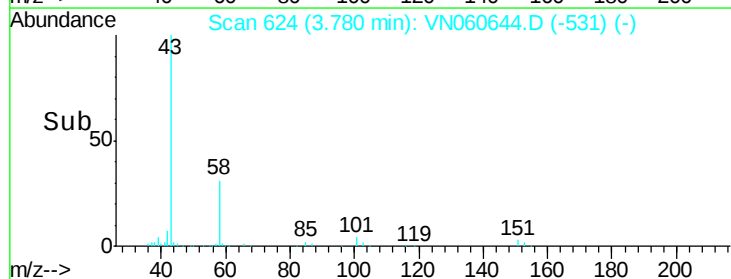
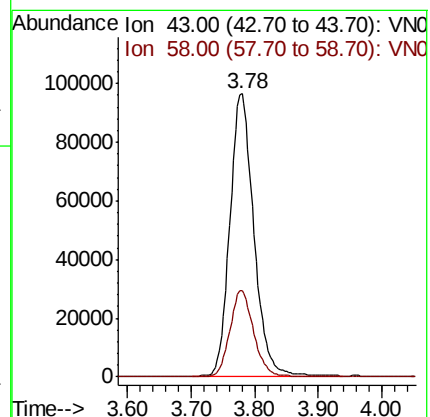
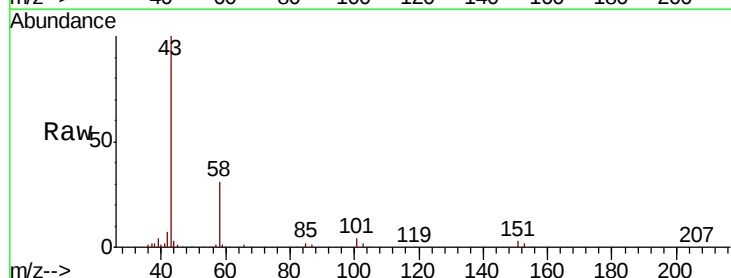
Acq: 19 Mar 2020 18:03

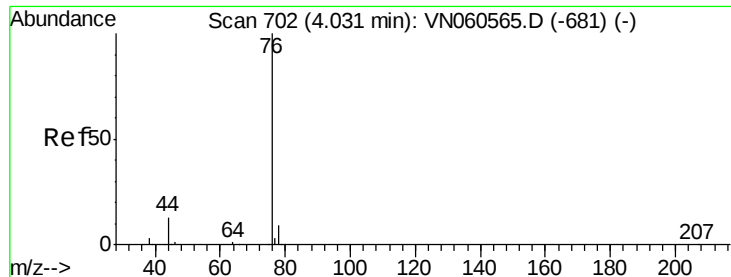
Tgt Ion: 43 Resp: 251989

Ion Ratio Lower Upper

43 100

58 30.6 25.1 37.7

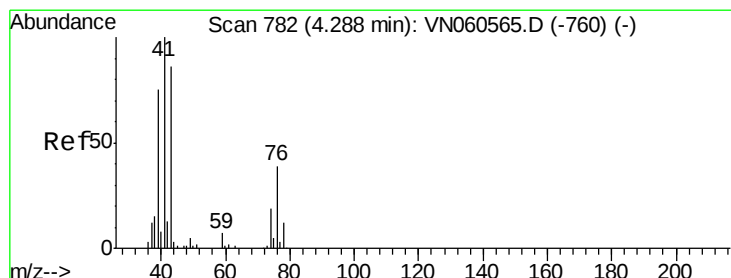
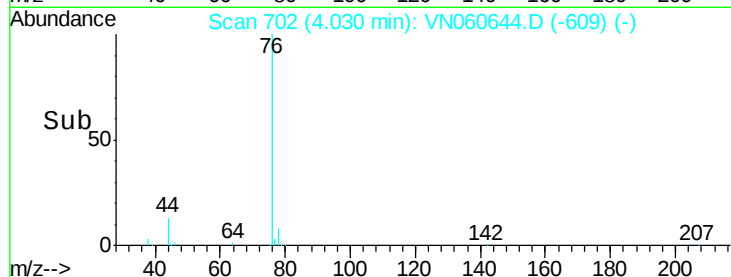
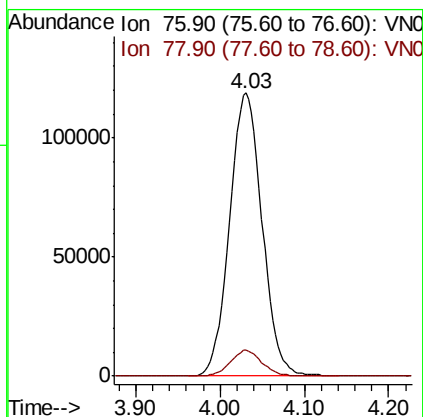
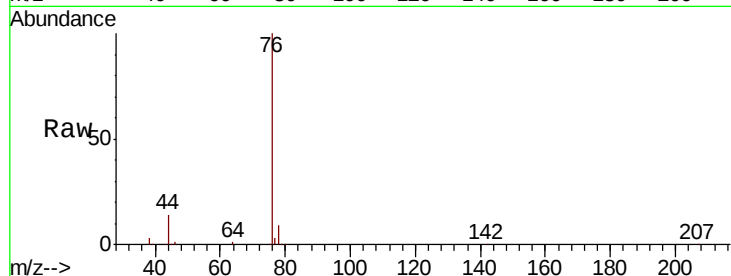




#17
Carbon Disulfide
Concen: 49.305 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

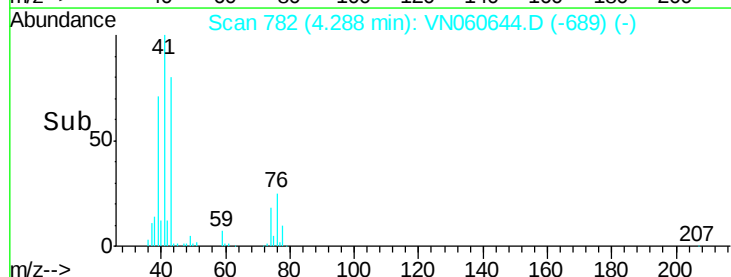
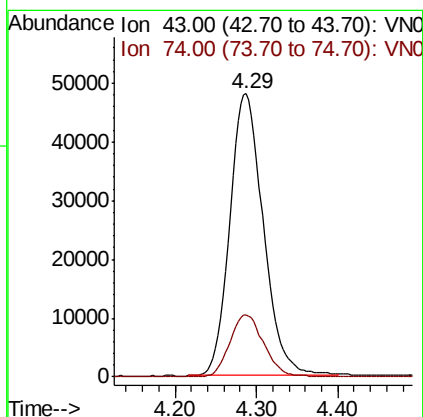
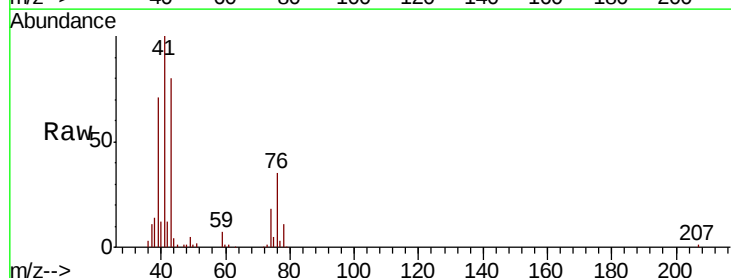
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 318542
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 51.413 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 43 Resp: 138068
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3

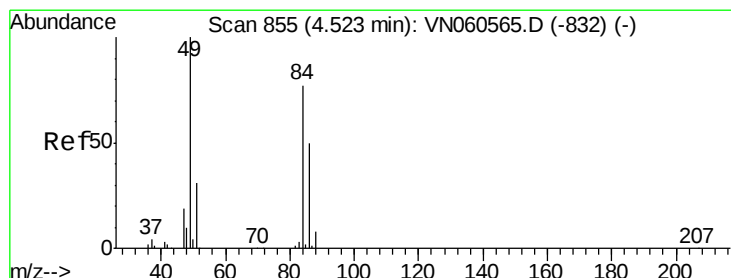
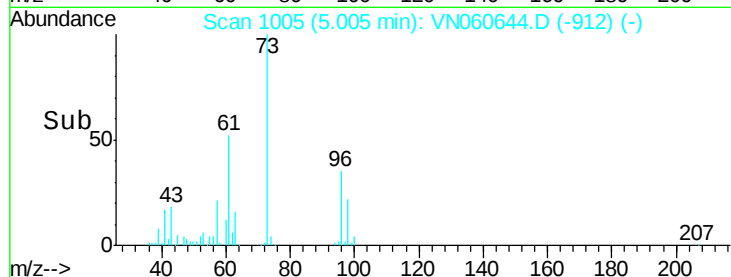
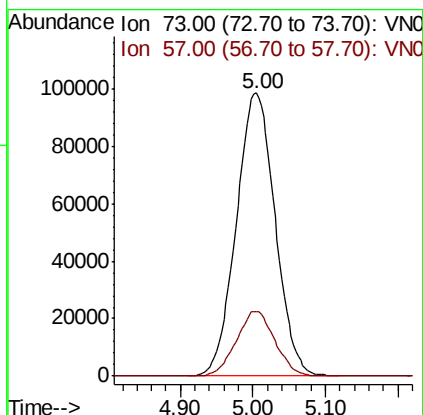
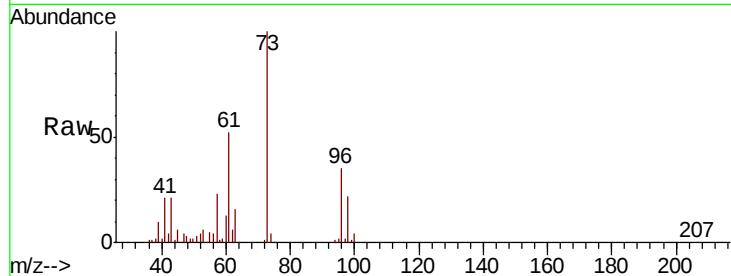




#19
Methyl tert-butyl Ether
Concen: 50.278 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

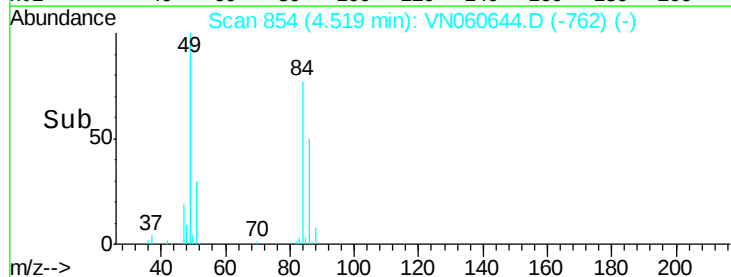
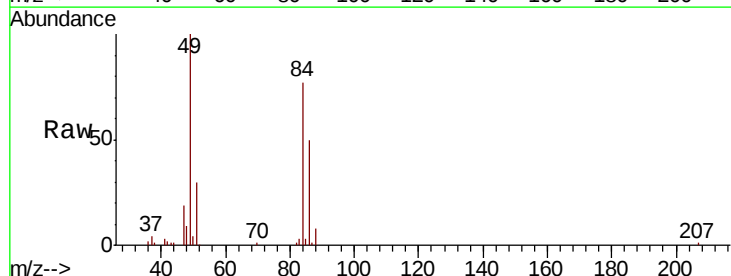
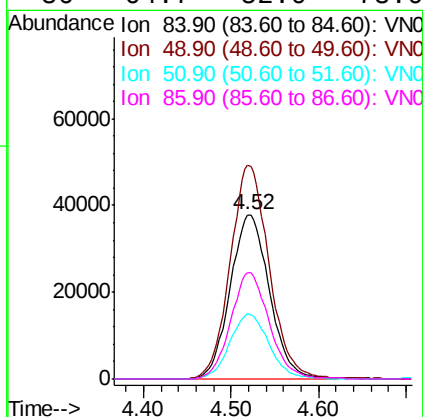
Instrument :
MSVOA_N
ClientSampled :

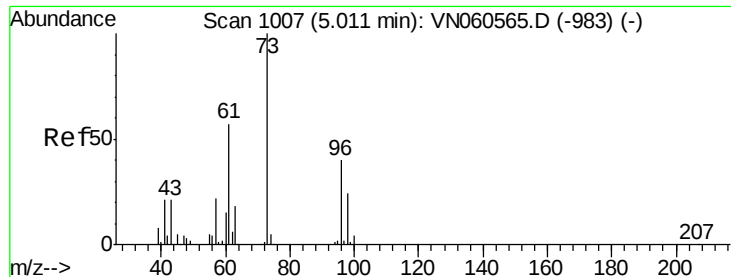
Tot Ion: 73 Resp: 367206
Ion Ratio Lower Upper
73 100
57 22.9 17.5 26.3



#20
Methylene Chloride
Concen: 50.325 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 84 Resp: 118113
Ion Ratio Lower Upper
84 100
49 129.7 103.3 154.9
51 39.5 31.6 47.4
86 64.7 52.0 78.0



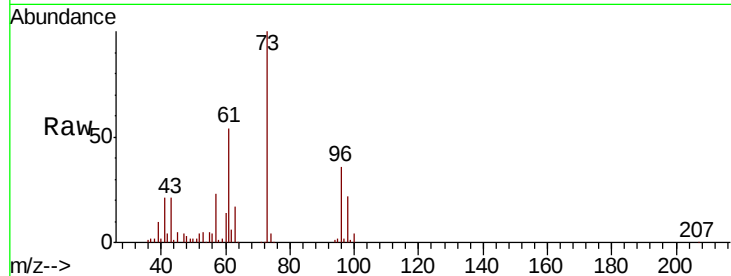


#21

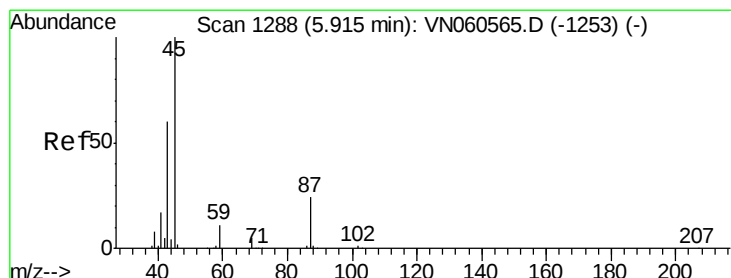
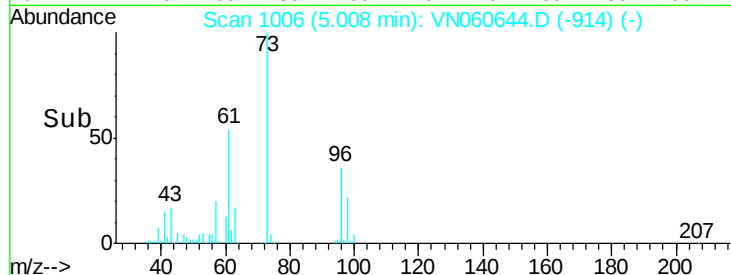
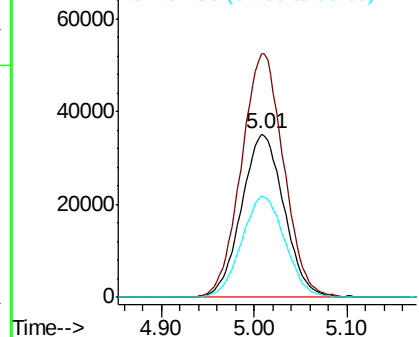
trans-1,2-Dichloroethene
Concen: 49.471 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 112005
Ion Ratio Lower Upper
96 100
61 149.1 114.4 171.6
98 62.0 48.4 72.6



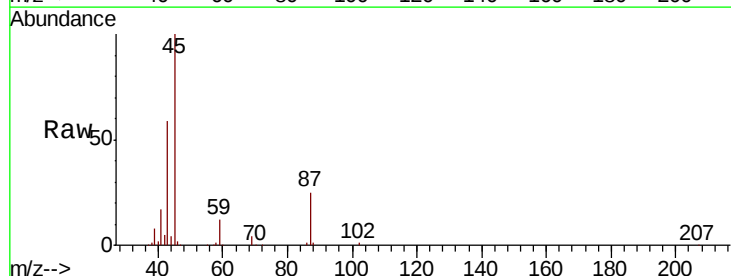
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



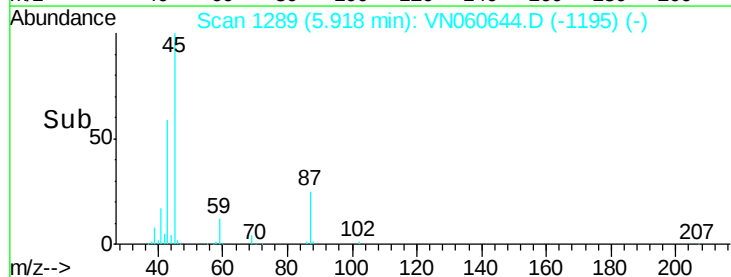
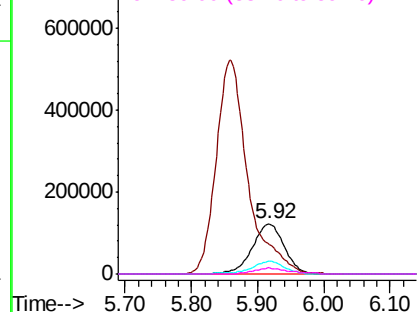
#22

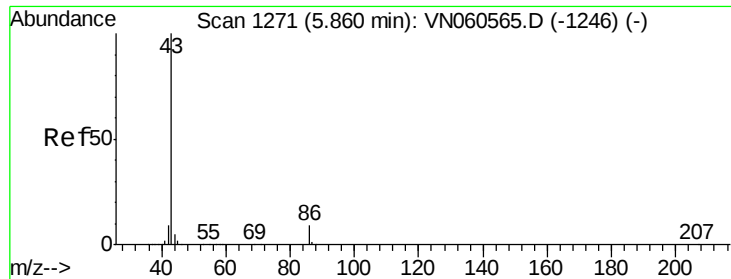
Diisopropyl ether
Concen: 52.022 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 45 Resp: 410632
Ion Ratio Lower Upper
45 100
43 57.8 49.8 74.8
87 25.0 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: 269.386 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

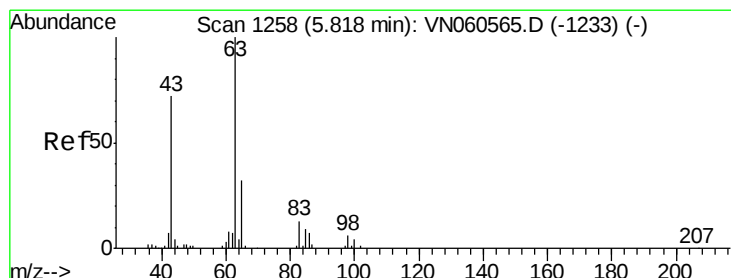
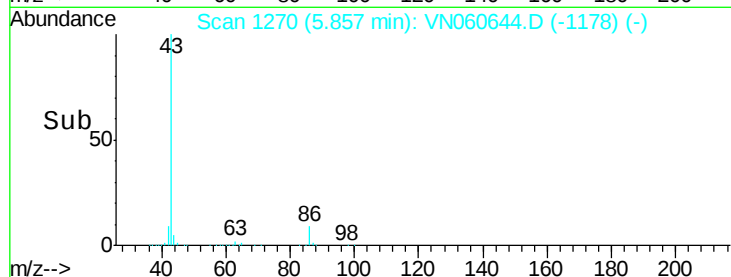
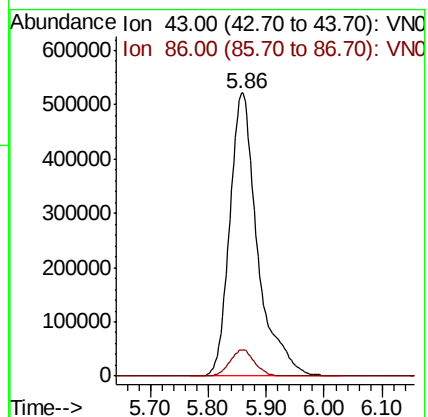
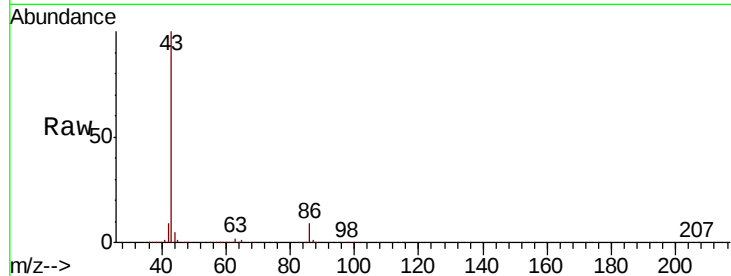
ClientSampleId :

Tot Ion: 43 Resp: 1734944

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



#24

1,1-Dichloroethane

Concen: 51.273 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

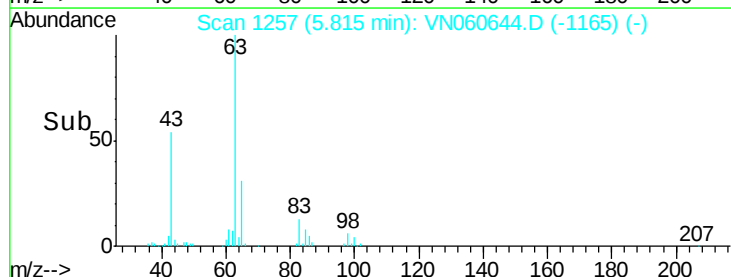
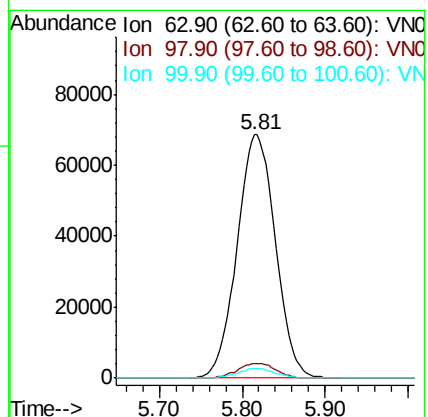
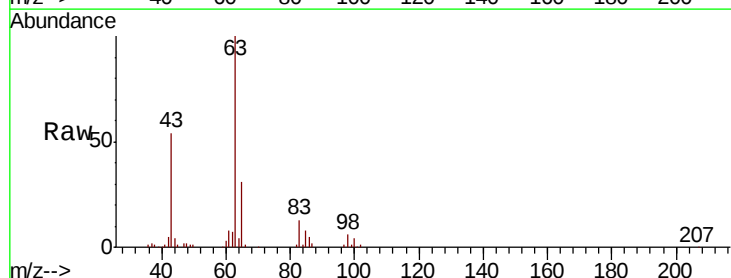
Tgt Ion: 63 Resp: 220631

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 268.415 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

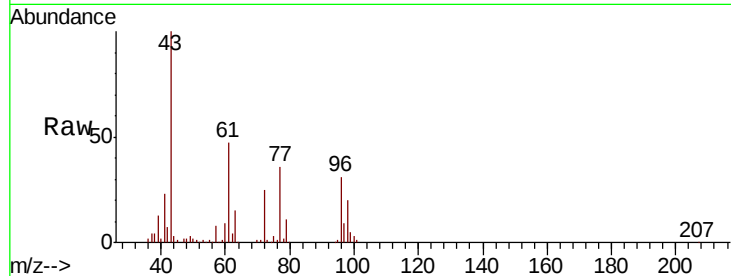
ClientSampled :

Tot Ion: 43 Resp: 414397

Ion Ratio Lower Upper

43 100

72 25.1 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1537) (-)

Ion 72.00 (71.70 to 72.70): VN060565.D (-1537) (-)

6.80

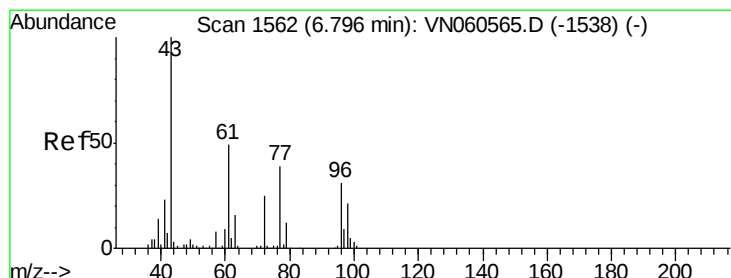
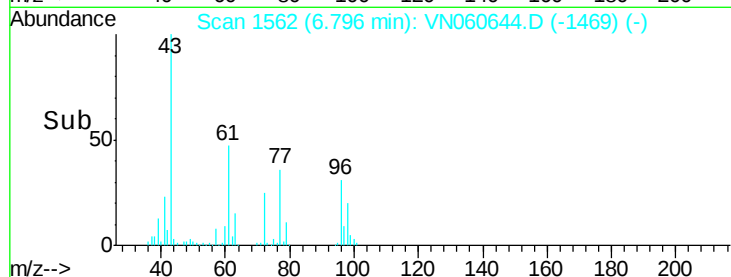
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.181 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060644.D

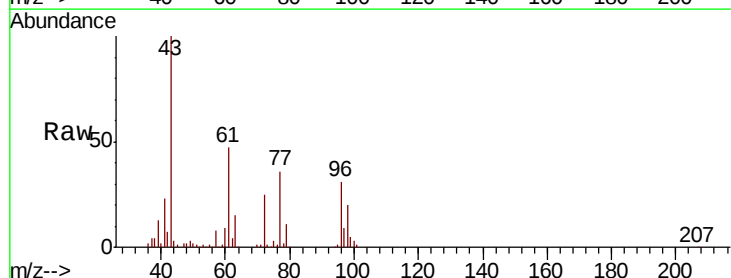
Acq: 19 Mar 2020 18:03

Tgt Ion: 77 Resp: 166508

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN060565.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060565.D (-1538) (-)

6.80

60000

50000

40000

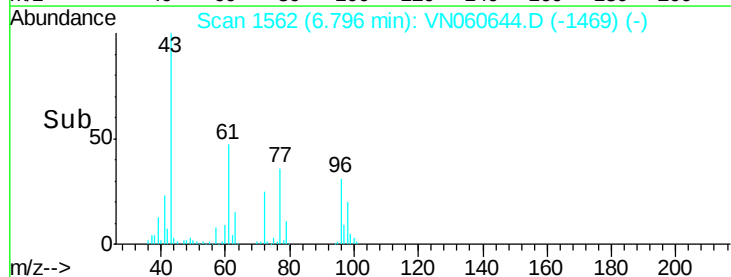
30000

20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.010 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampled :

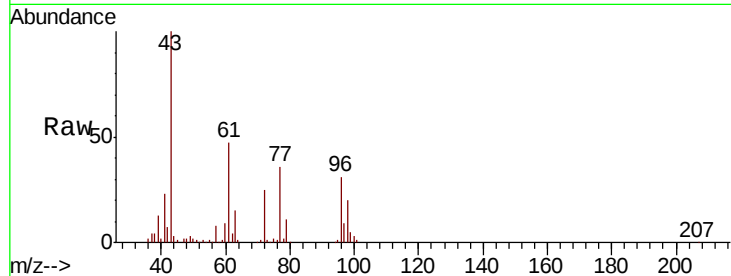
Tot Ion: 96 Resp: 128666

Ion Ratio Lower Upper

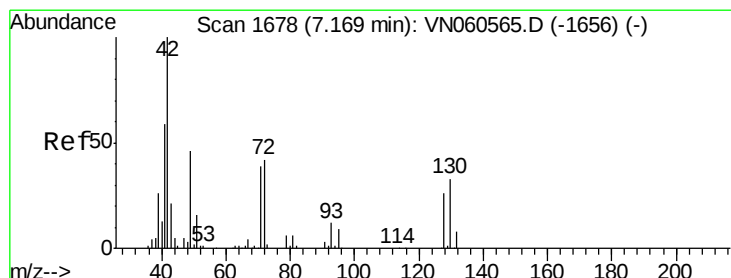
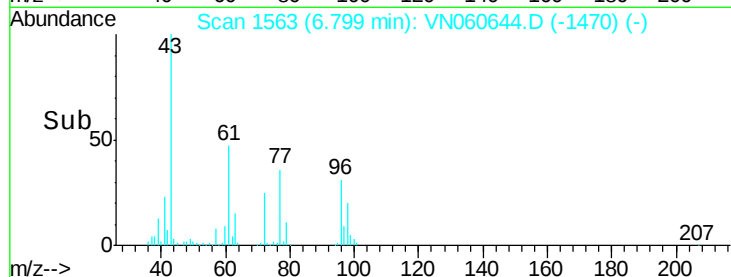
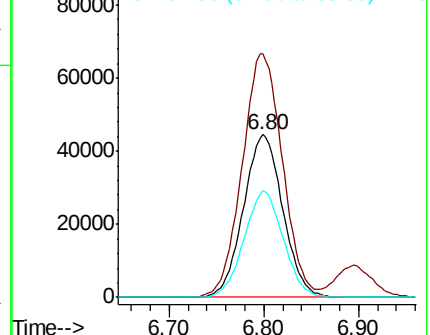
96 100

61 153.1 0.0 305.6

98 65.0 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: 51.546 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

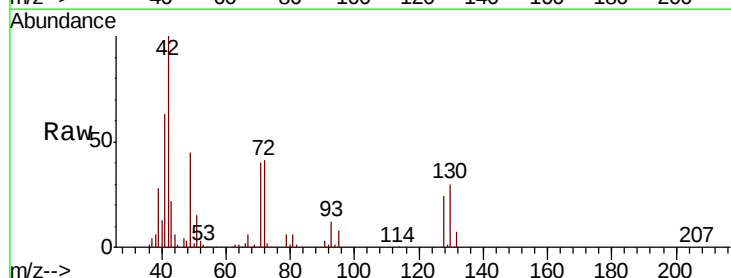
Tgt Ion: 49 Resp: 106121

Ion Ratio Lower Upper

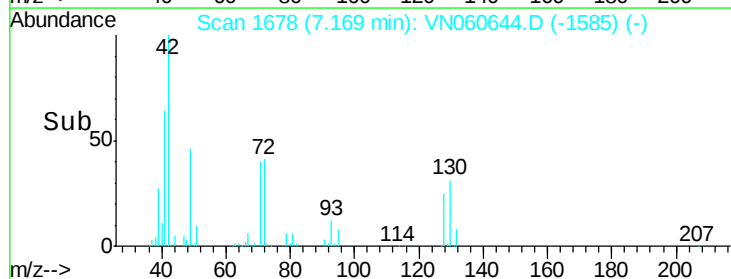
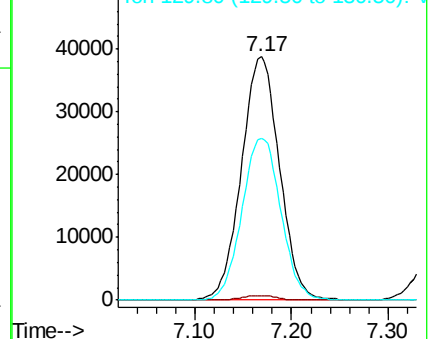
49 100

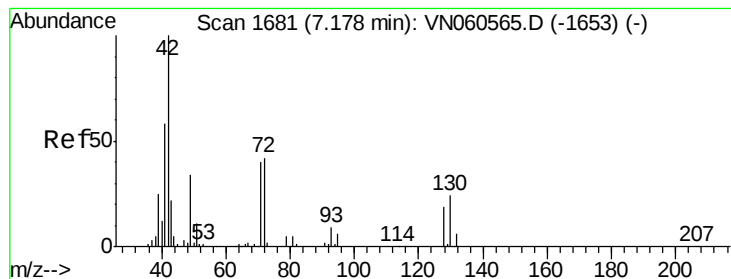
129 1.6 0.0 3.4

130 67.9 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: 261.237 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampled :

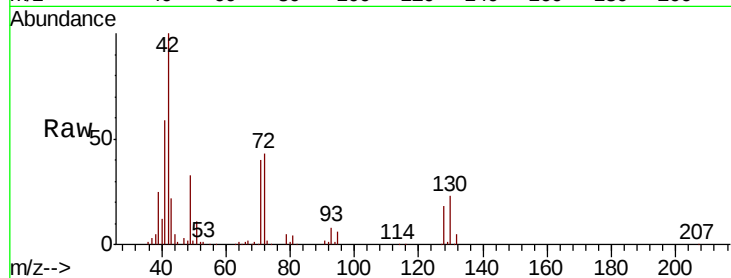
Tot Ion: 42 Resp: 285361

Ion Ratio Lower Upper

42 100

72 41.3 33.2 49.8

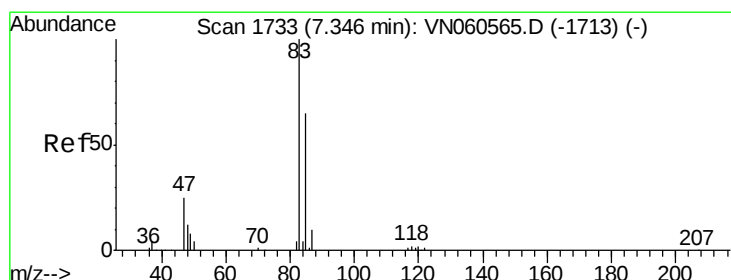
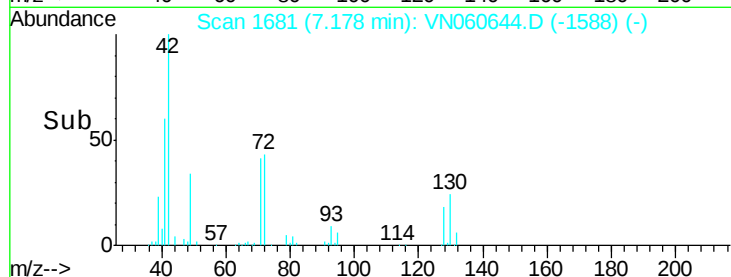
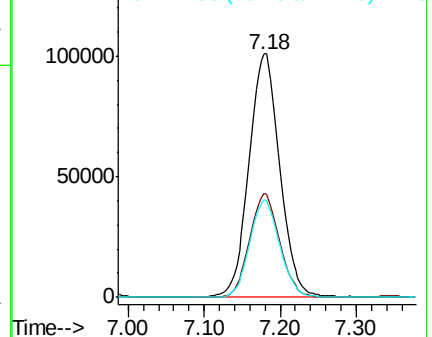
71 38.8 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 50.739 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN060644.D

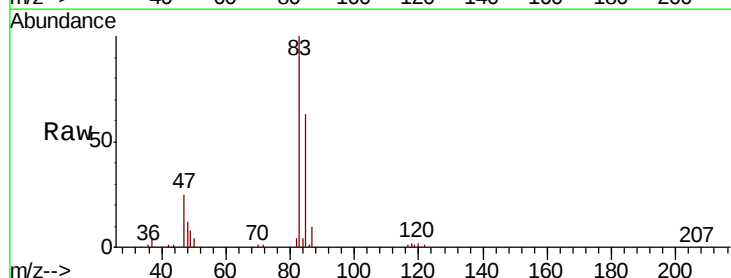
Acq: 19 Mar 2020 18:03

Tgt Ion: 83 Resp: 209306

Ion Ratio Lower Upper

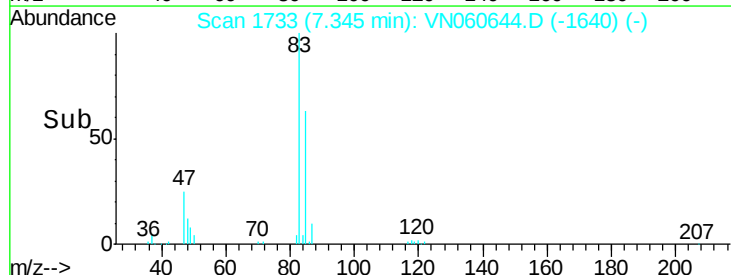
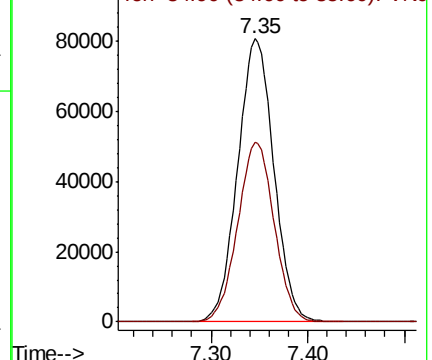
83 100

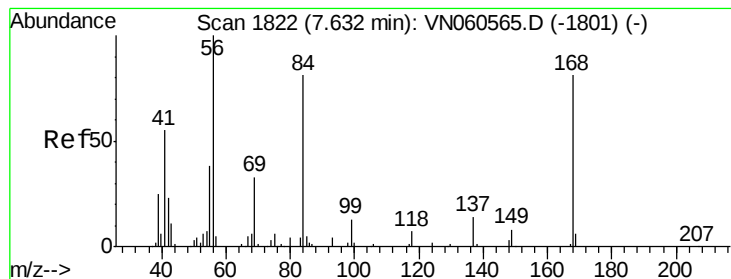
85 63.4 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.692 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampled :

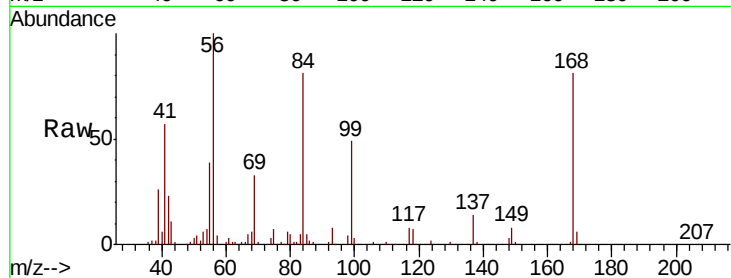
Tot Ion: 56 Resp: 206895

Ion Ratio Lower Upper

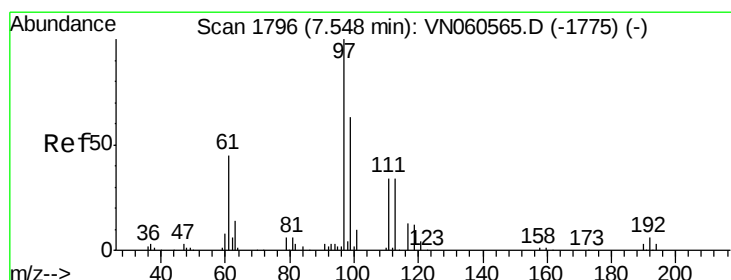
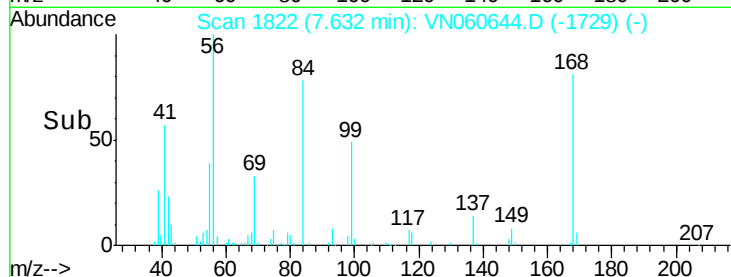
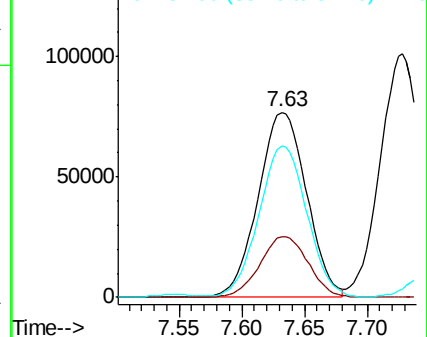
56 100

69 32.9 26.6 40.0

84 80.4 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: 50.916 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

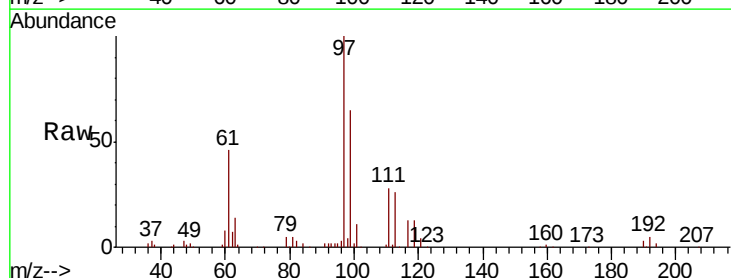
Tgt Ion: 97 Resp: 181068

Ion Ratio Lower Upper

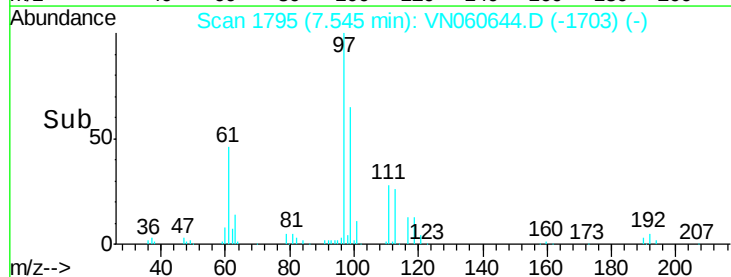
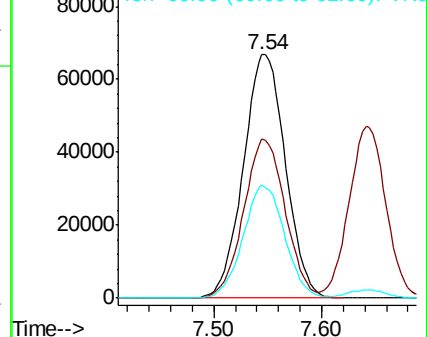
97 100

99 64.5 50.6 75.8

61 45.9 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

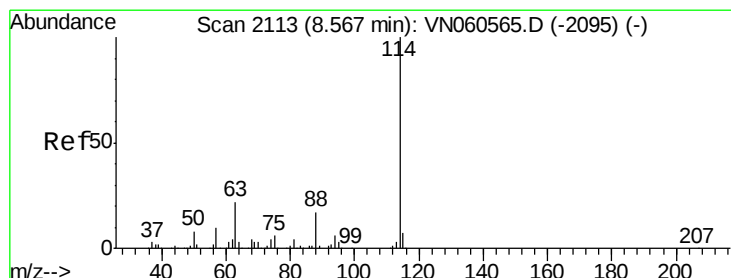
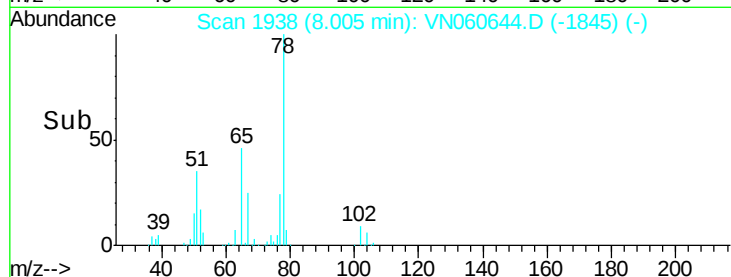
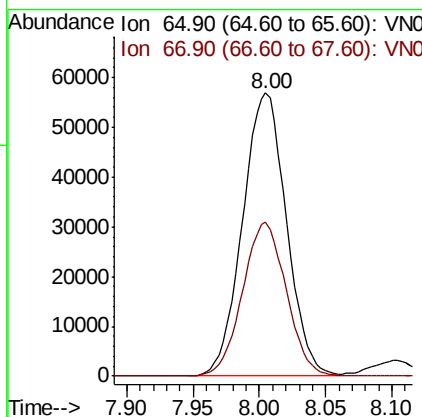
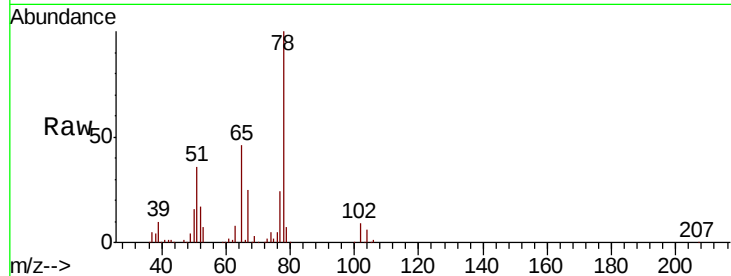




#33
 1,2-Dichloroethane-d4
 Concen: 48.683 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

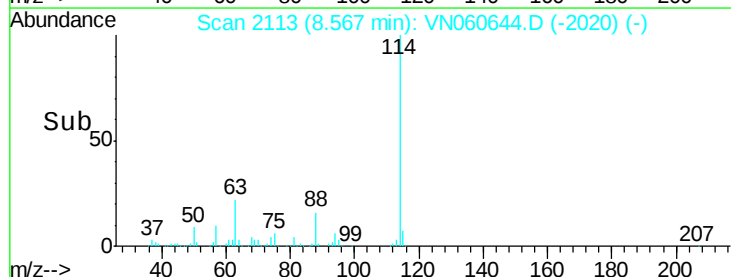
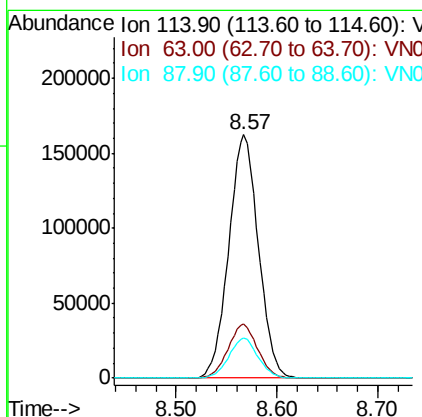
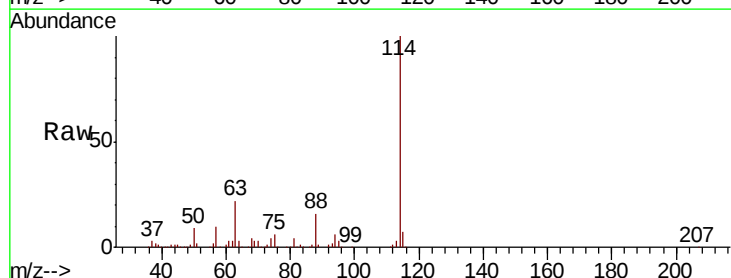
Instrument :
 MSVOA_N
 ClientSampleId :

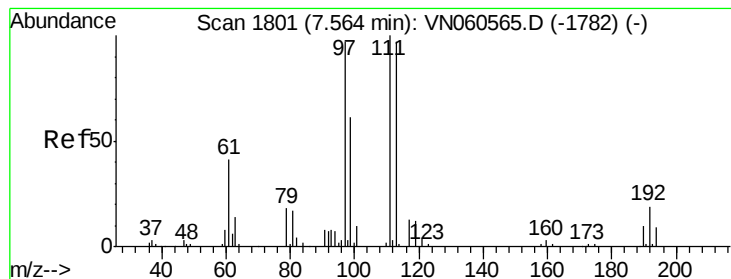
Tot Ion: 65 Resp: 131127
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion: 114 Resp: 331888
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.642 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :

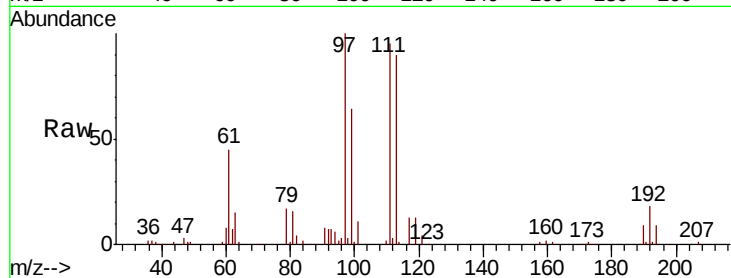
Tot Ion:113 Resp: 97616

Ion Ratio Lower Upper

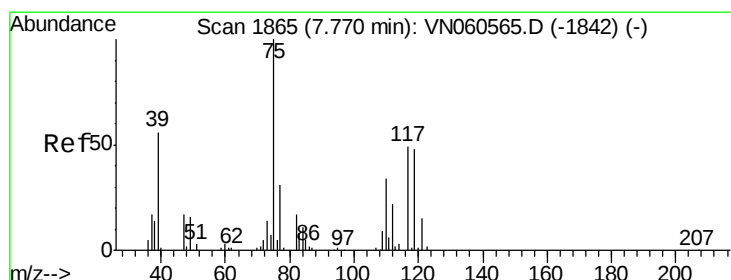
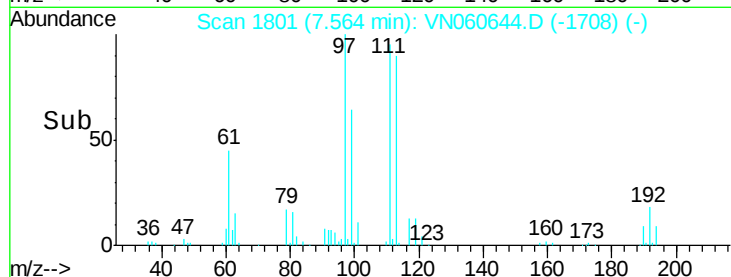
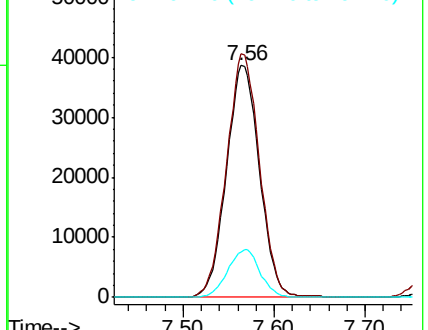
113 100

111 105.0 82.9 124.3

192 20.1 15.8 23.8



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



#36

1,1-Dichloropropene

Concen: 51.230 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

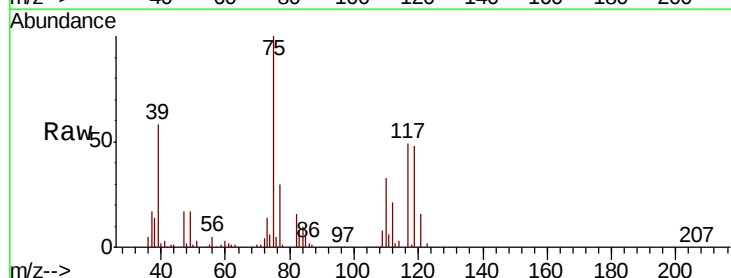
Tgt Ion: 75 Resp: 164639

Ion Ratio Lower Upper

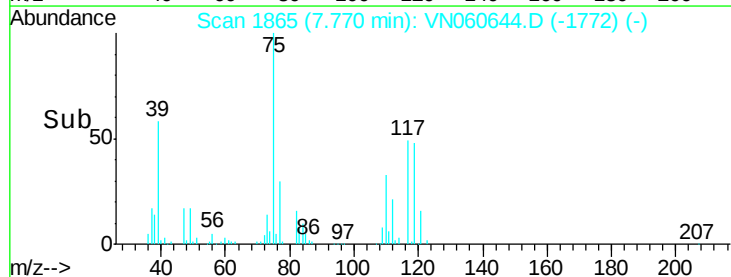
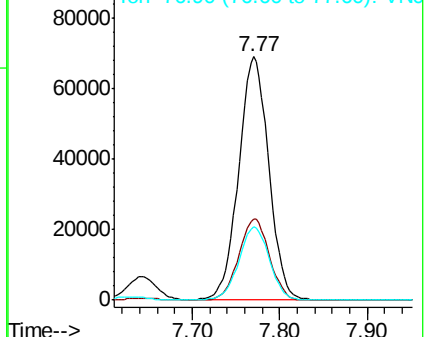
75 100

110 33.8 16.9 50.6

77 30.5 24.6 36.8



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

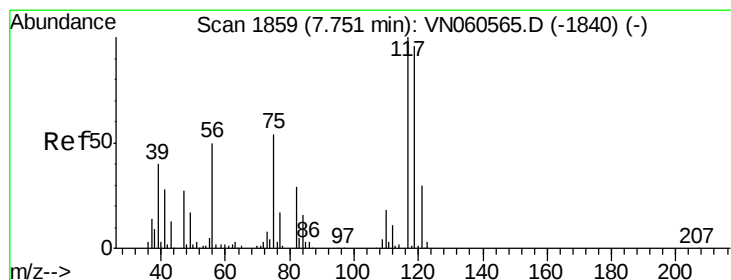
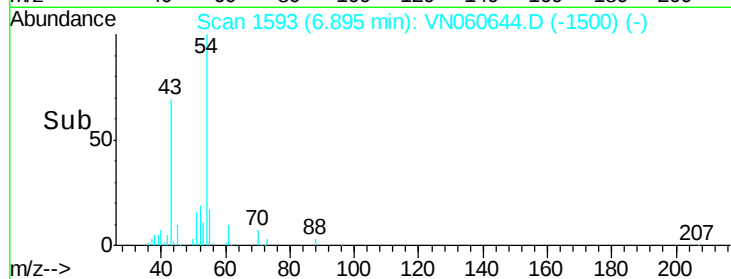
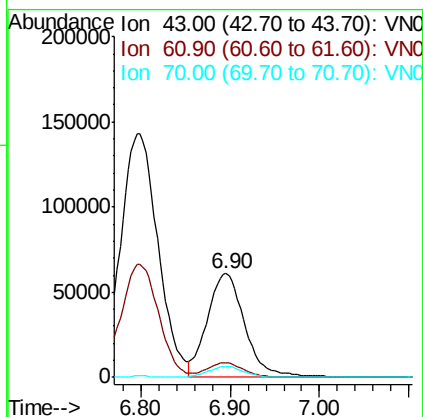
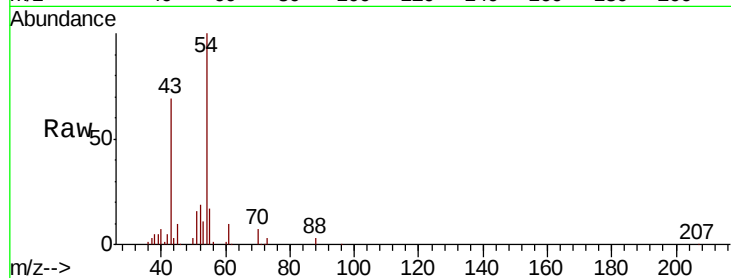




#37
Ethyl Acetate
Concen: 50.303 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

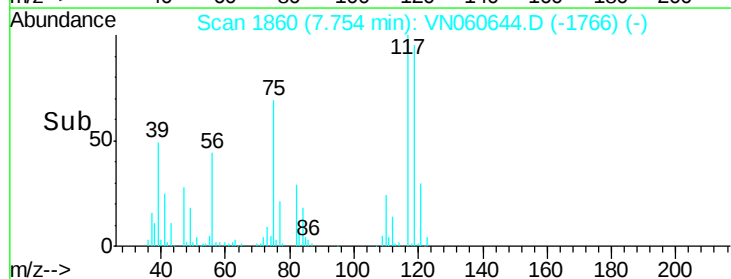
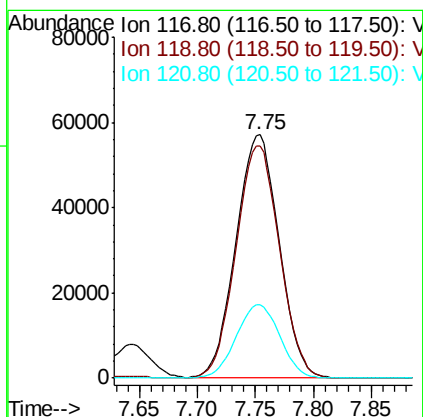
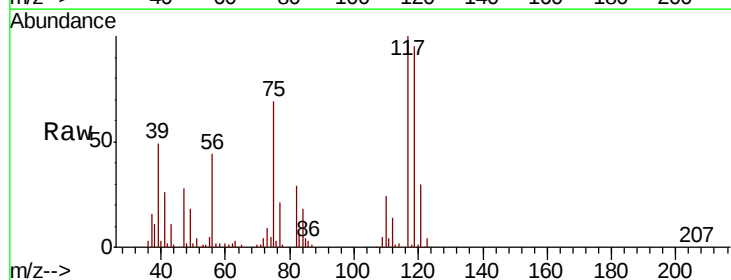
Instrument :
MSVOA_N
ClientSampled :

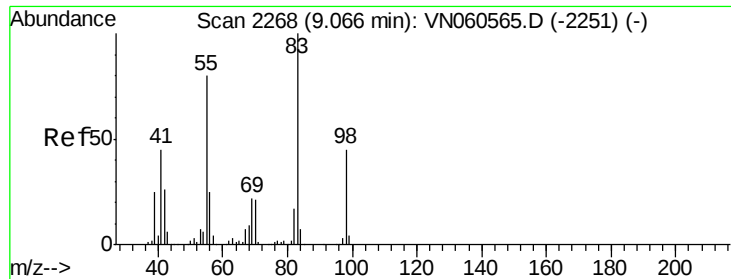
Tot Ion: 43 Resp: 174675
Ion Ratio Lower Upper
43 100
61 13.8 10.6 15.8
70 10.1 7.9 11.9



#38
Carbon Tetrachloride
Concen: 51.375 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 117 Resp: 147975
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2
121 30.2 23.7 35.5

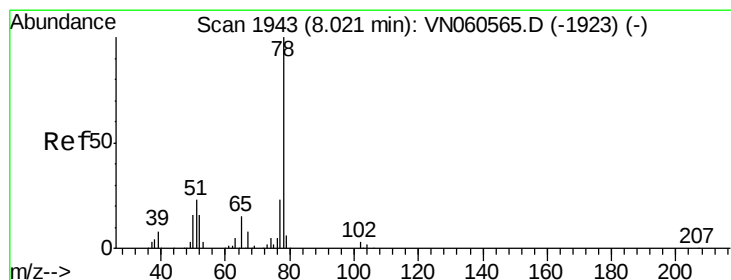
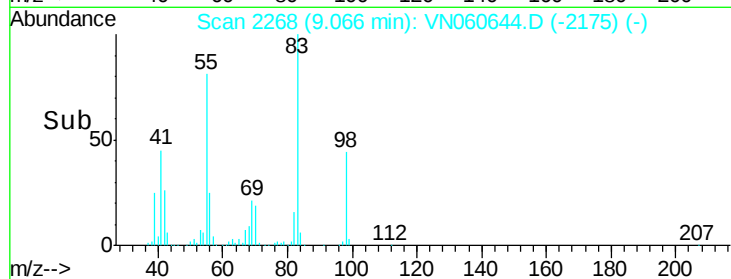
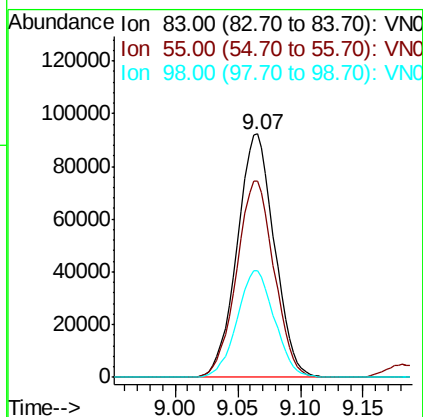
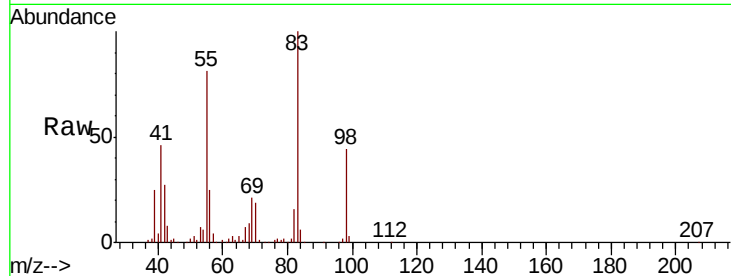




#39
Methvlcvclohexane
Concen: 49.980 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

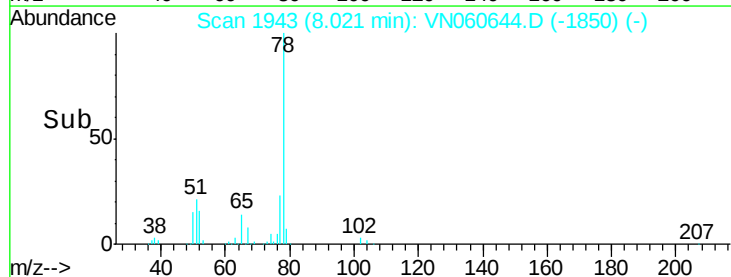
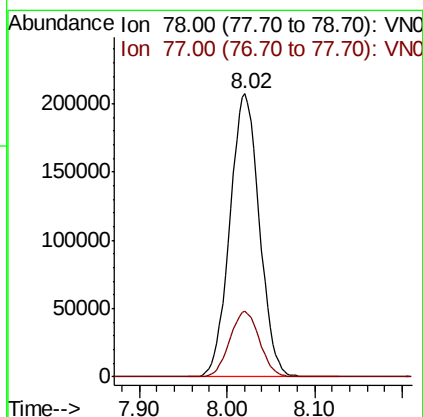
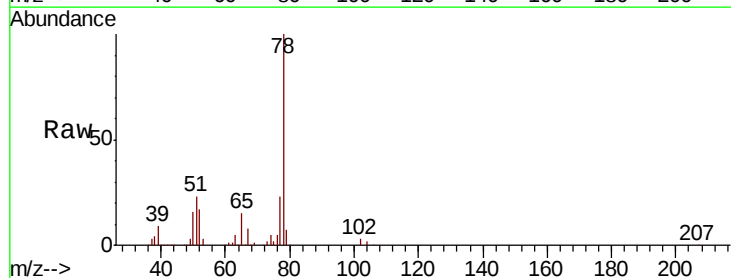
Instrument :
MSVOA_N
ClientSampled :

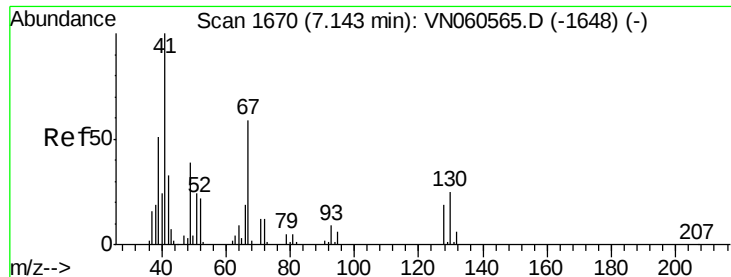
Tot Ion: 83 Resp: 190877
Ion Ratio Lower Upper
83 100
55 80.7 63.6 95.4
98 43.8 36.0 54.0



#40
Benzene
Concen: 50.027 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 78 Resp: 485331
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0

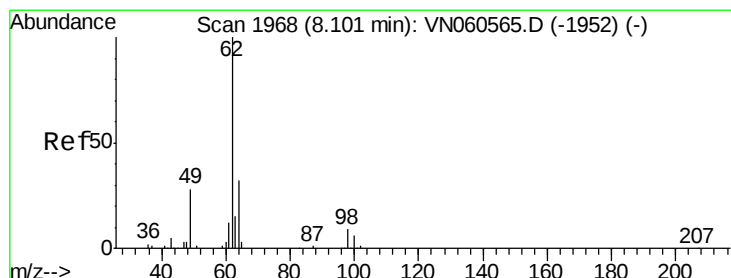
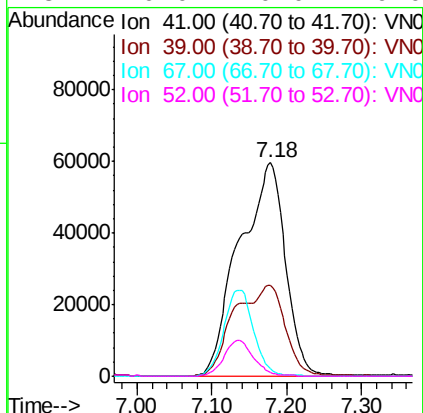
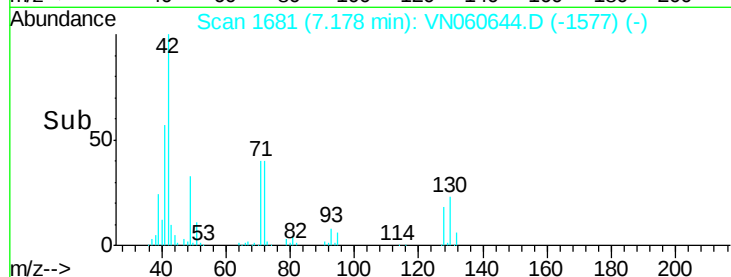
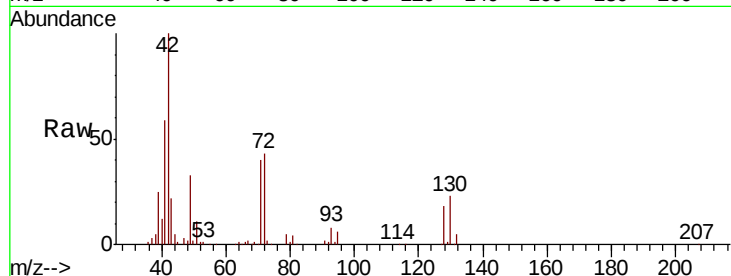




#41
Methacrylonitrile
Concen: 172.028 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.04 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

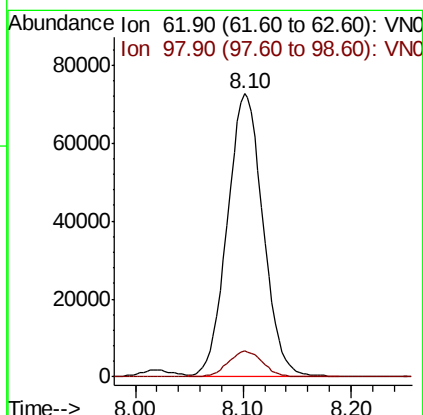
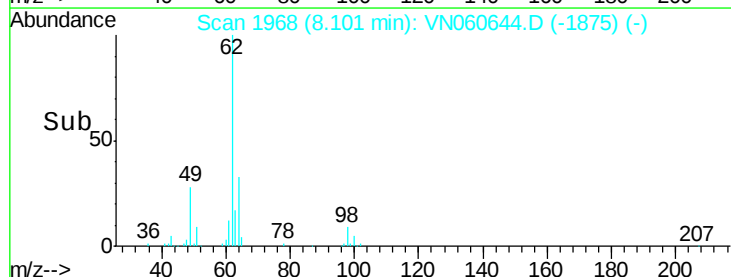
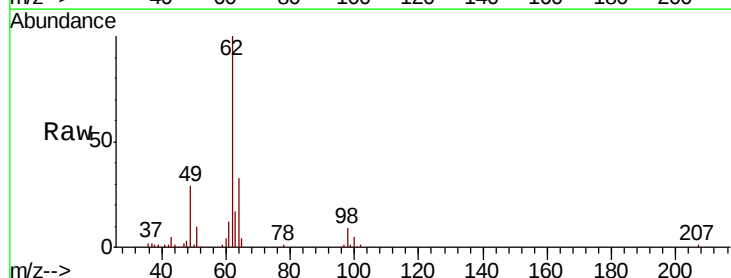
Instrument :
MSVOA_N
ClientSampleId :

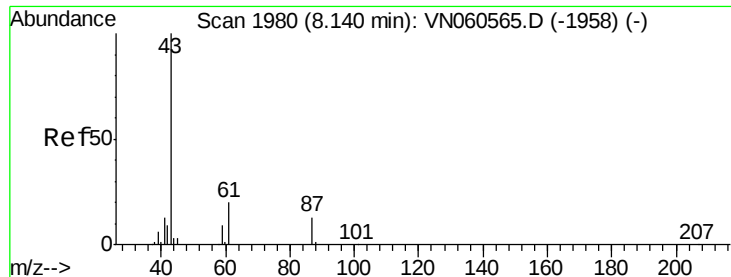
Tot Ion:	41	Resp:	254938
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.472 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion:	62	Resp:	167337
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 52.242 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampled :

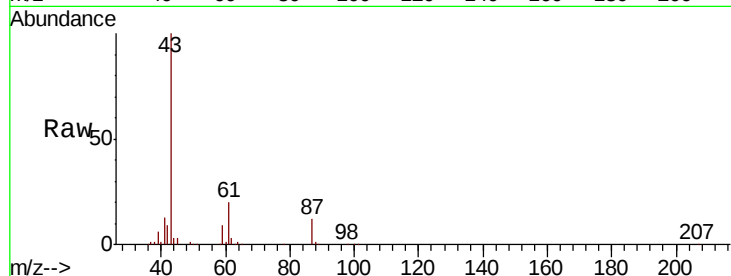
Tot Ion: 43 Resp: 299177

Ion Ratio Lower Upper

43 100

61 25.8 20.7 31.1

87 12.2 9.8 14.8

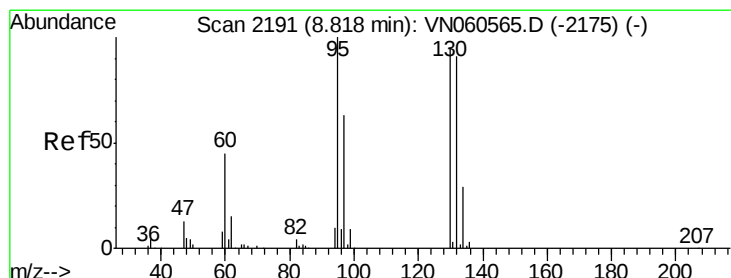
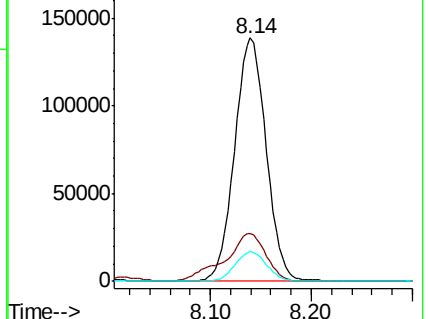
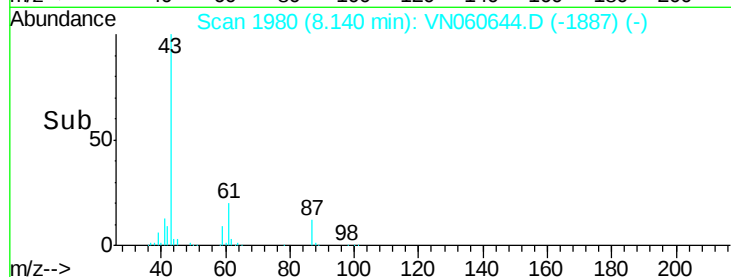


Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)

Time-->



#44

Trichloroethene

Concen: 49.555 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060644.D

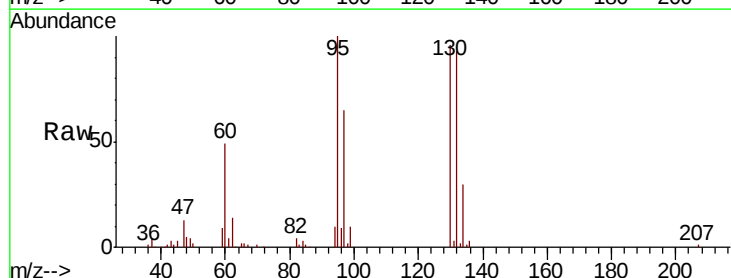
Acq: 19 Mar 2020 18:03

Tgt Ion:130 Resp: 121192

Ion Ratio Lower Upper

130 100

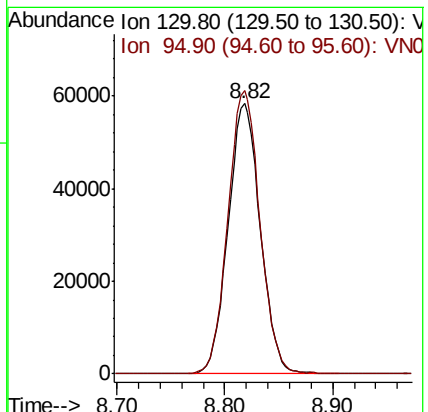
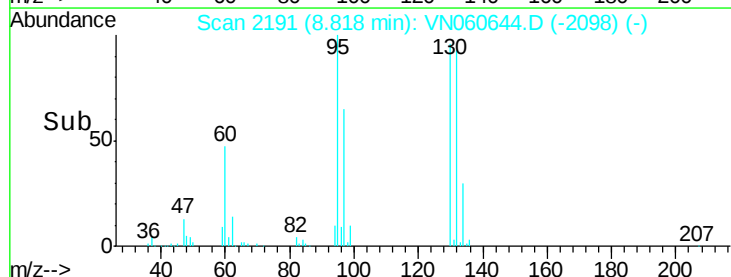
95 104.6 0.0 211.2

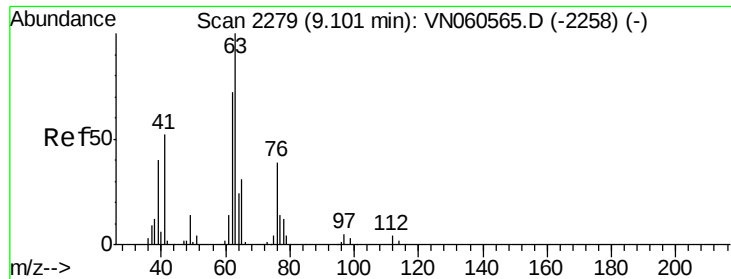


Abundance Ion 129.80 (129.50 to 130.50): VN060565.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060565.D (-2175) (-)

Time-->

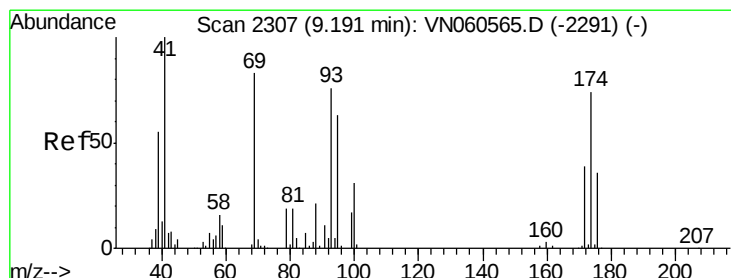
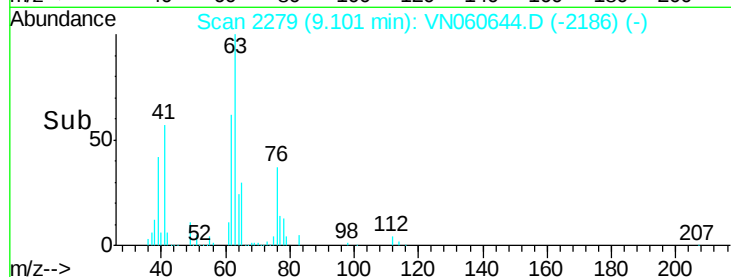
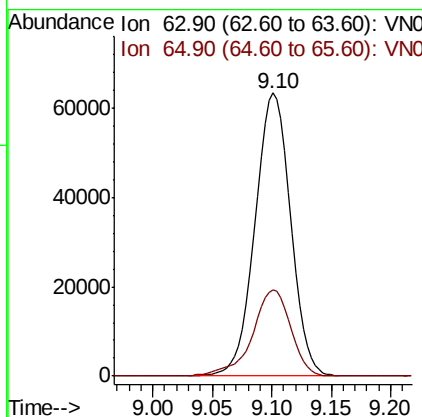
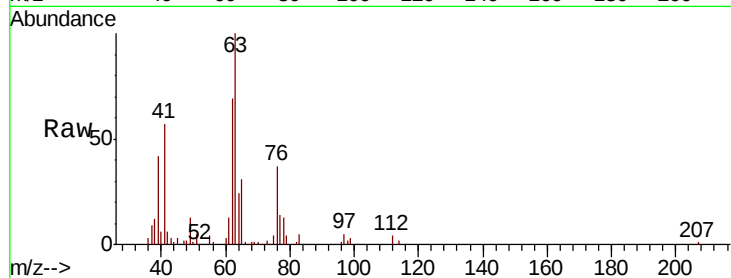




#45
 1,2-Dichloropropane
 Concen: 51.434 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

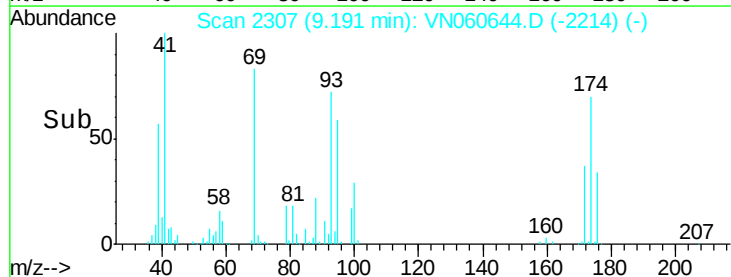
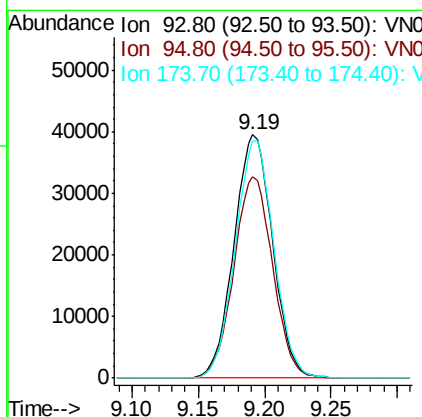
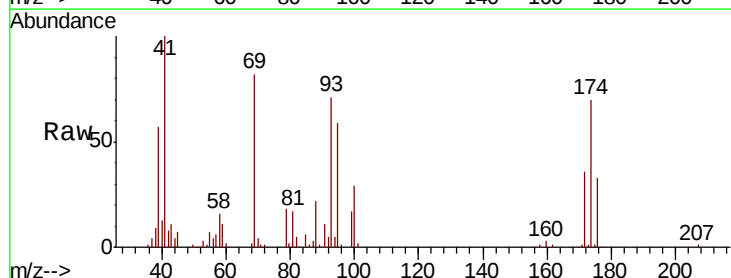
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 131664
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0



#46
 Dibromomethane
 Concen: 51.762 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion: 93 Resp: 80107
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.4
 174 97.5 77.9 116.9





#47

Bromodichloromethane

Concen: 51.675 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampled :

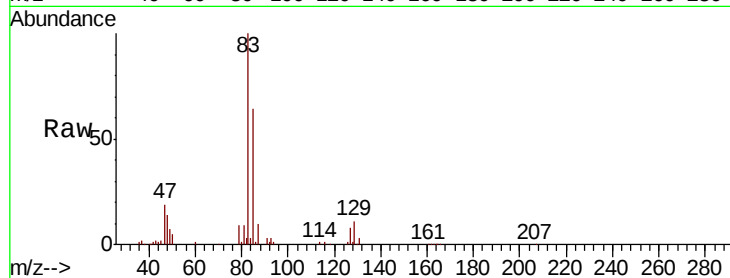
Tot Ion: 83 Resp: 166184

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.6

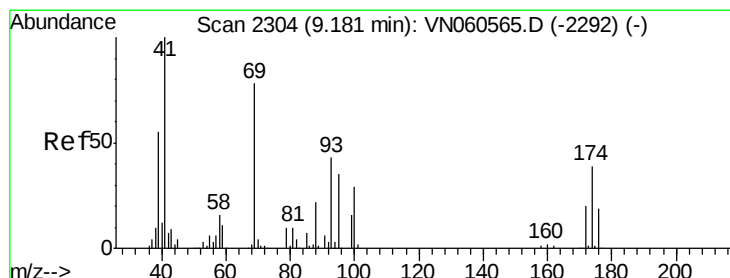
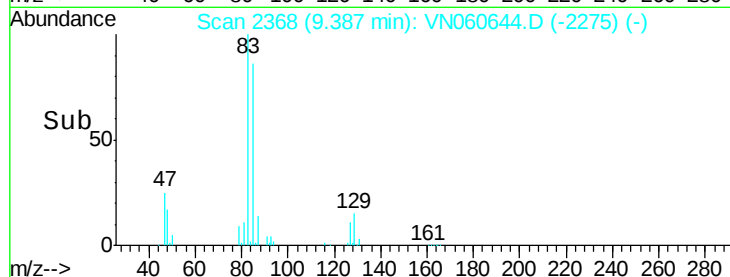
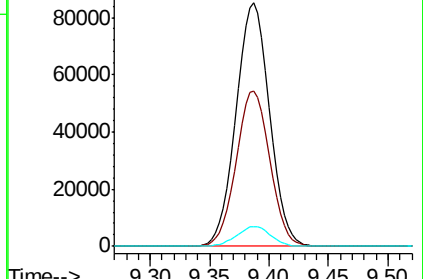
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060644.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060644.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060644.D (-2275) (-)



#48

Methyl methacrylate

Concen: 53.449 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

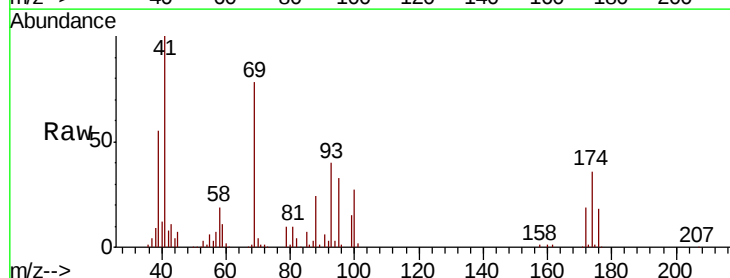
Tgt Ion: 41 Resp: 136280

Ion Ratio Lower Upper

41 100

69 82.7 65.4 98.0

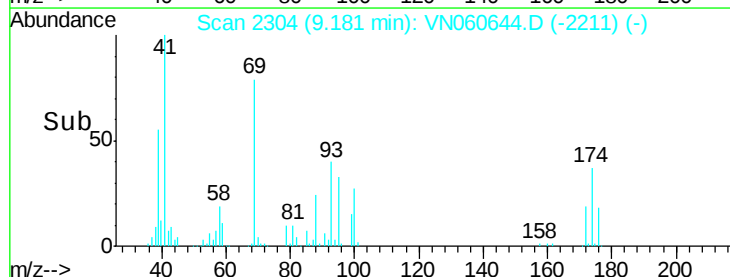
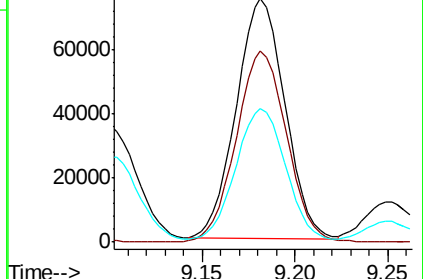
39 55.3 44.0 66.0

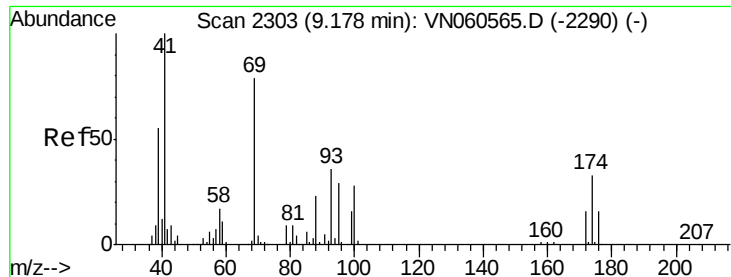


Abundance Ion 41.00 (40.70 to 41.70): VN060644.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060644.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060644.D (-2211) (-)

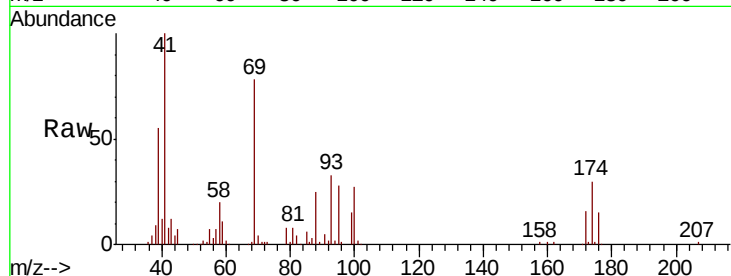




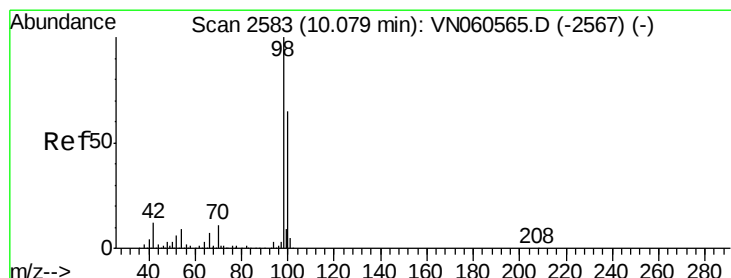
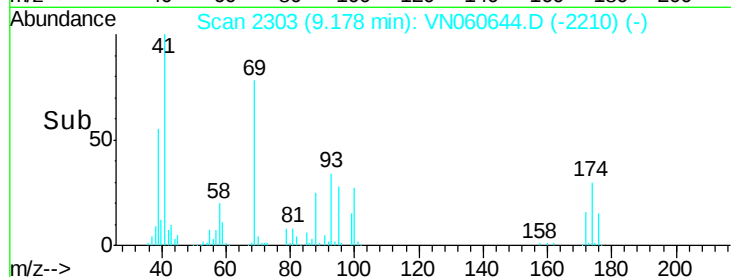
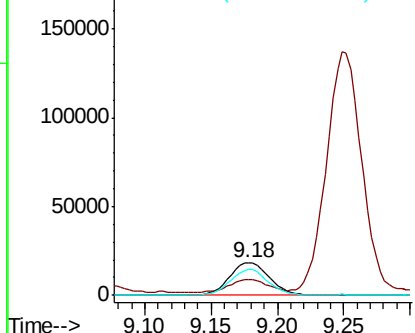
#49
1,4-Dioxane
Concen: 1270.816 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 38514
Ion Ratio Lower Upper
88 100
43 36.5 30.8 46.2
58 75.6 59.8 89.8

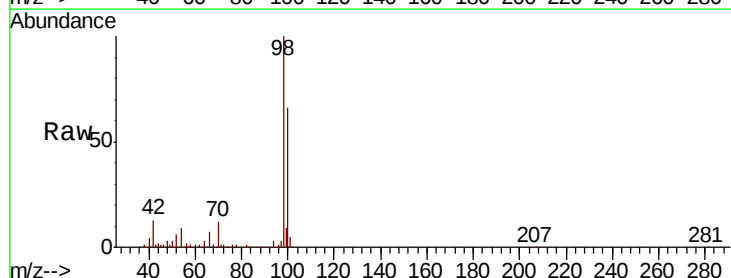


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

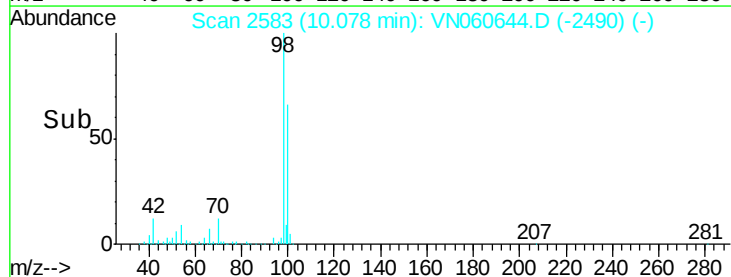
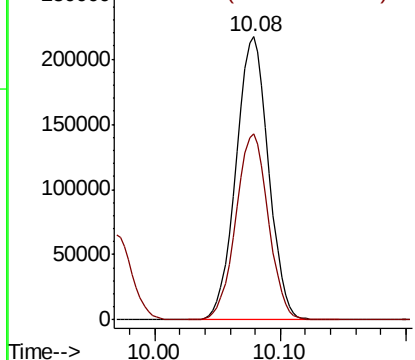


#50
Toluene-d8
Concen: 47.619 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 98 Resp: 390334
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 272.693 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

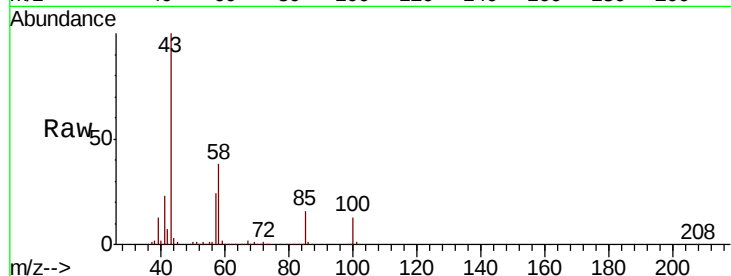
ClientSampleId :

Tot Ion: 43 Resp: 888651

Ion Ratio Lower Upper

43 100

58 38.3 30.8 46.2



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

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

9.97

500000

400000

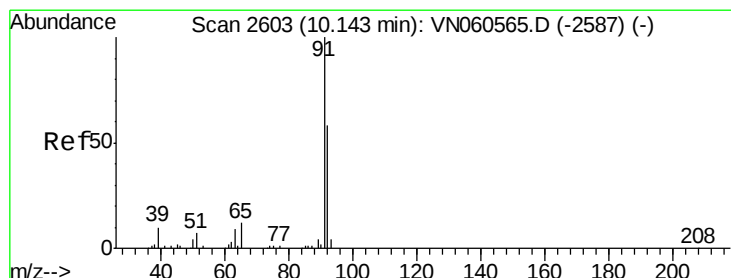
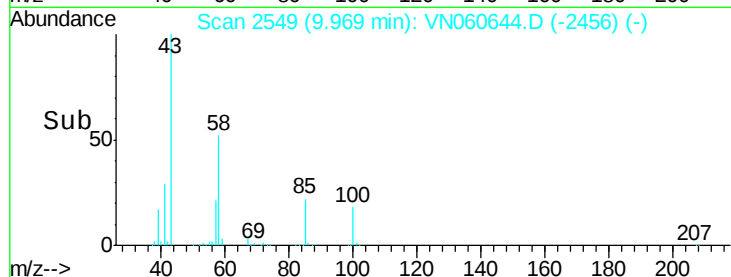
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.838 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060644.D

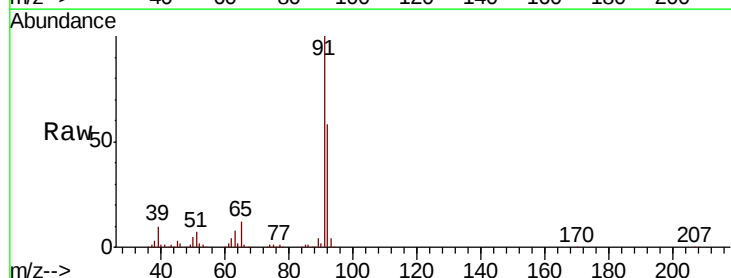
Acq: 19 Mar 2020 18:03

Tgt Ion: 92 Resp: 297856

Ion Ratio Lower Upper

92 100

91 171.9 137.6 206.4



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

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

10.14

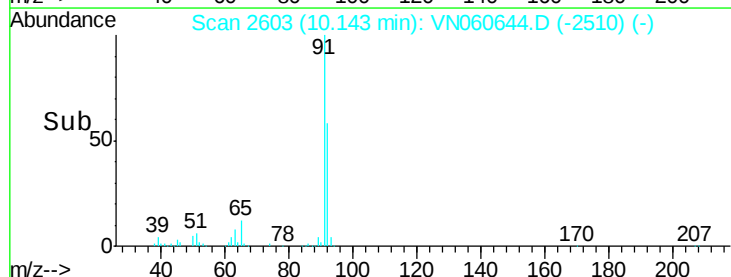
300000

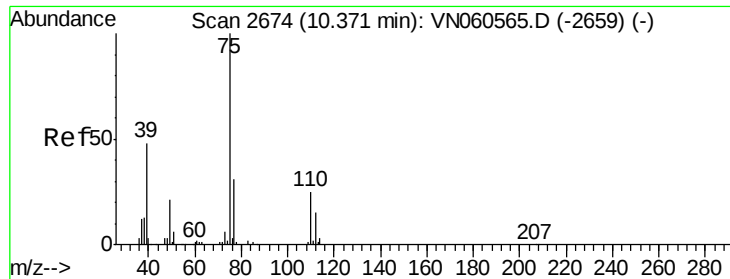
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.251 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

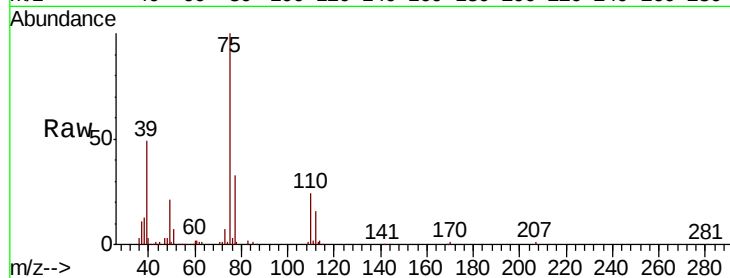
ClientSampleId :

Tot Ion: 75 Resp: 193017

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

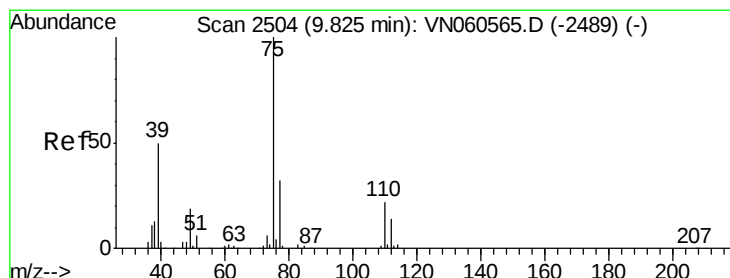
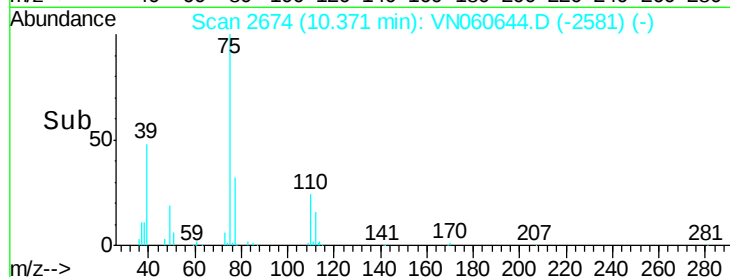
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.921 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

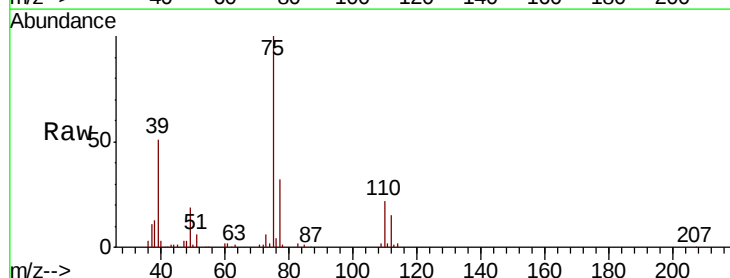
Tgt Ion: 75 Resp: 206361

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 51.2 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.82

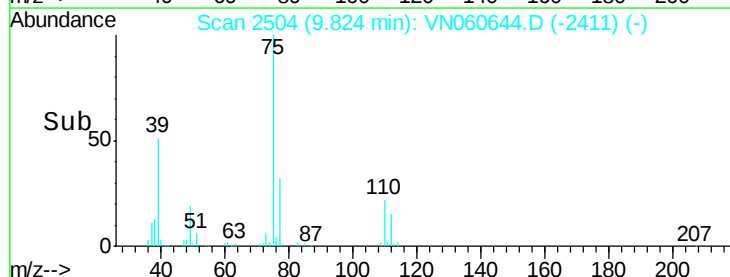
150000

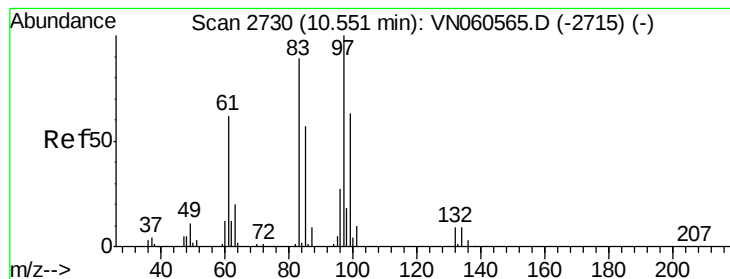
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.933 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 114805

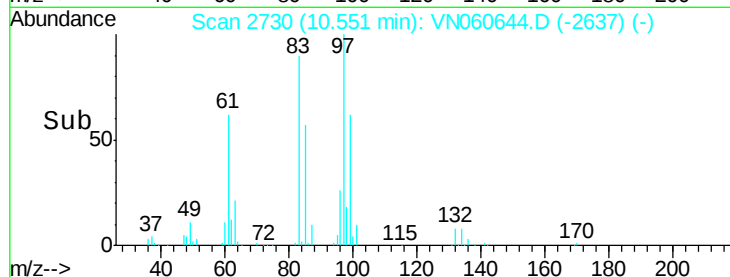
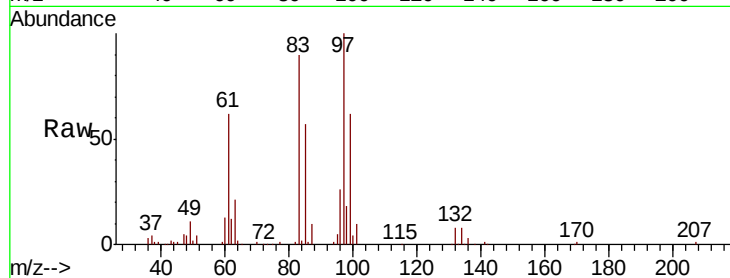
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.3	106.9
85	57.0	45.2	67.8
99	62.4	50.1	75.1

97 100

83 89.6 71.3 106.9

85 57.0 45.2 67.8

99 62.4 50.1 75.1



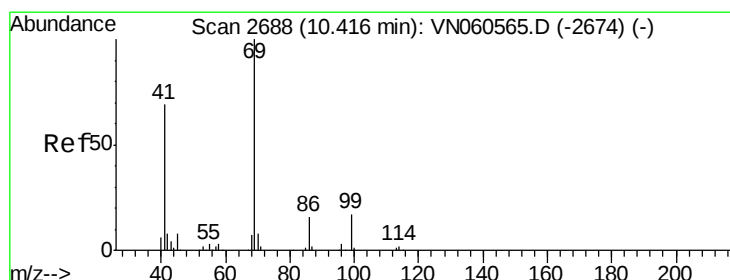
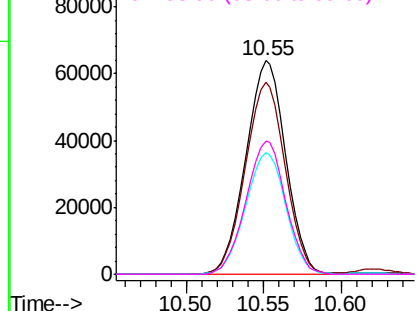
Abundance

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: 54.866 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

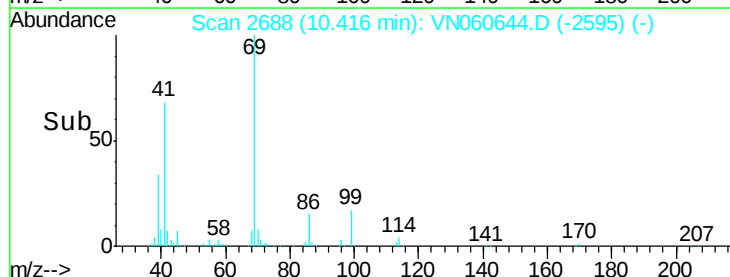
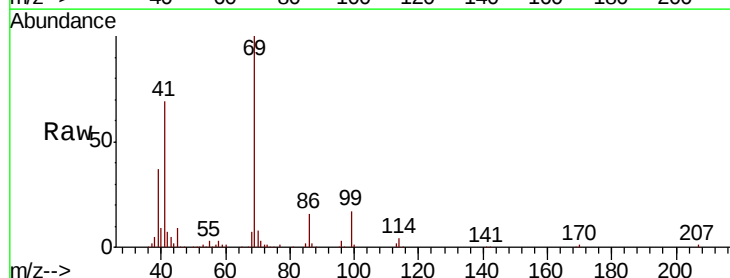
Tgt Ion: 69 Resp: 192828

Ion	Ratio	Lower	Upper
69	100		
41	69.5	55.4	83.2
39	36.9	29.4	44.0

69 100

41 69.5 55.4 83.2

39 36.9 29.4 44.0

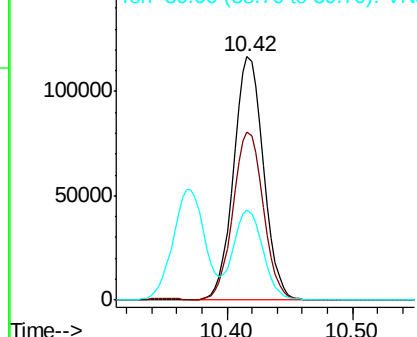


Abundance

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: 51.448 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

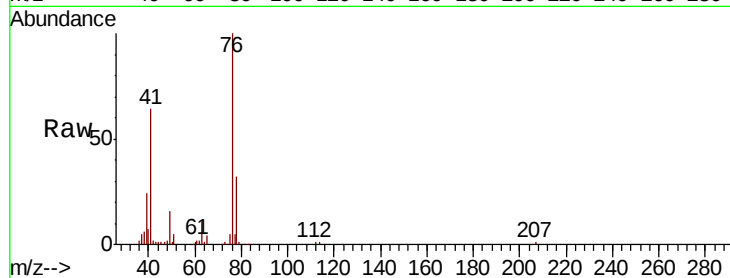
ClientSampleId :

Tot Ion: 76 Resp: 201235

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060644.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060644.D (-2682) (-)

10.70

120000

100000

80000

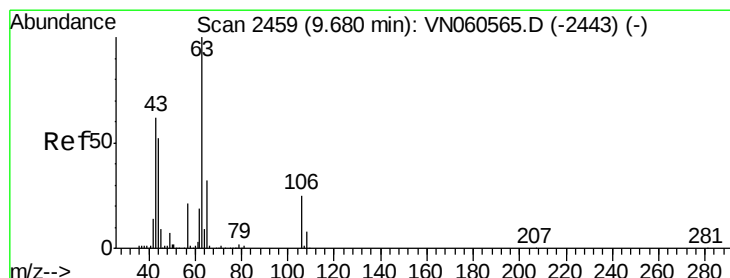
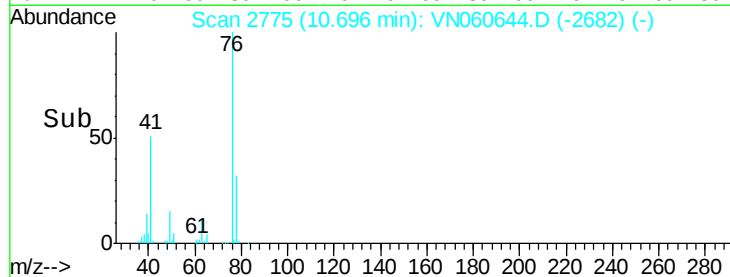
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 277.969 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060644.D

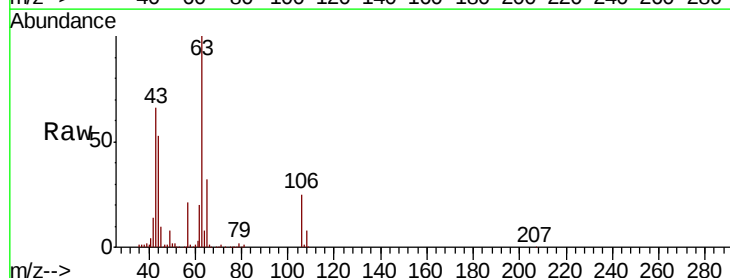
Acq: 19 Mar 2020 18:03

Tgt Ion: 63 Resp: 485549

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060644.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060644.D (-2366) (-)

9.68

300000

250000

200000

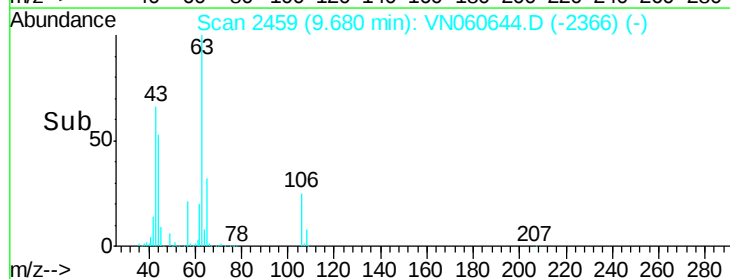
150000

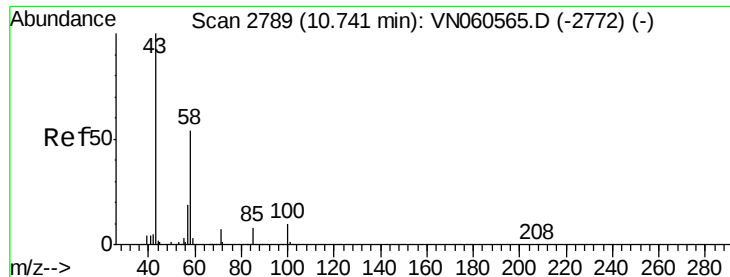
100000

50000

0

Time--> 9.60 9.70 9.80

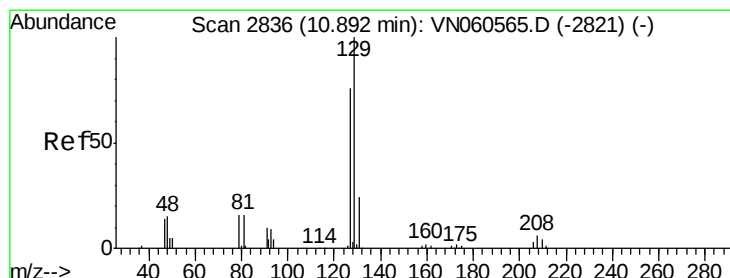
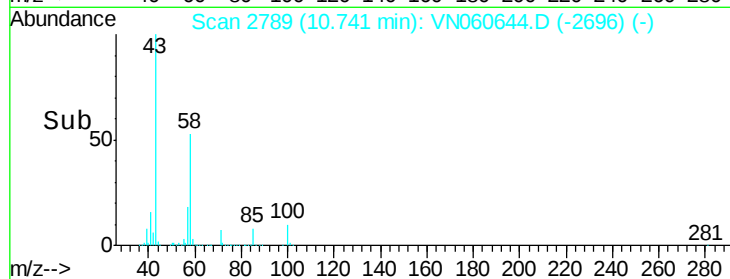
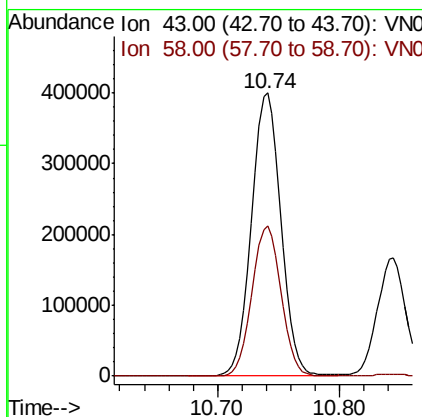
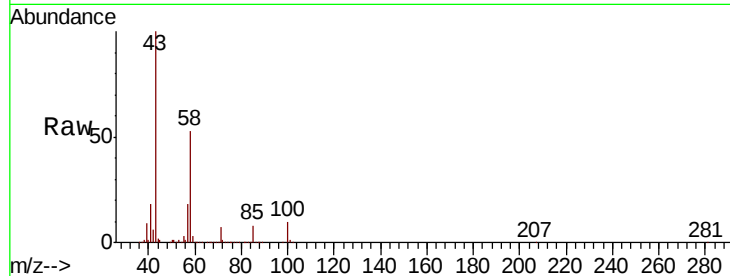




#59
2-Hexanone
Concen: 280.026 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

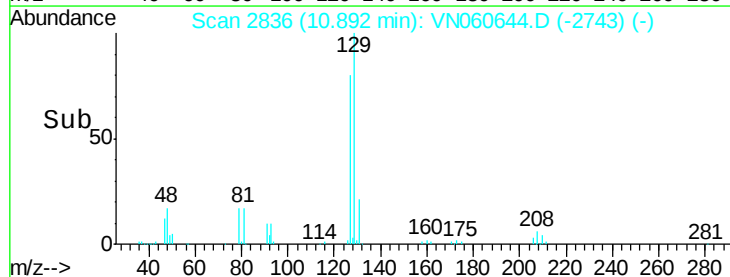
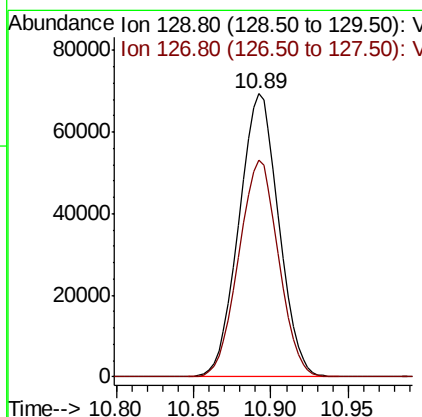
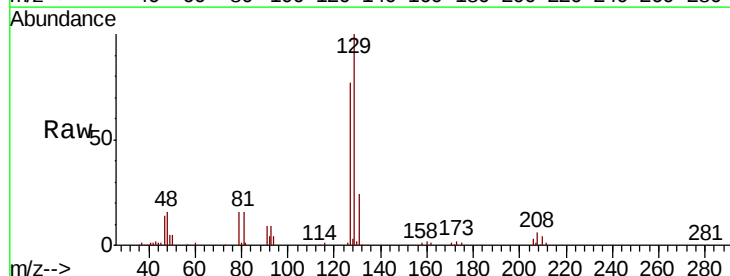
Instrument :
MSVOA_N
ClientSampled :

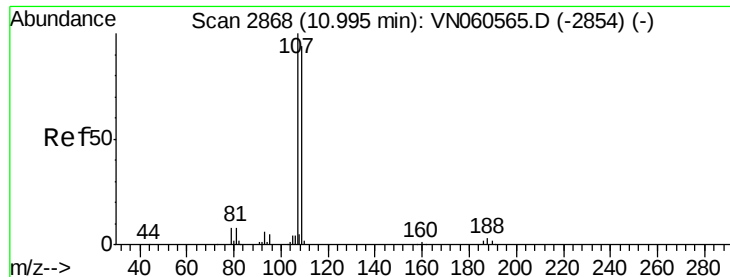
Tot Ion: 43 Resp: 657355
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.1



#60
Dibromochloromethane
Concen: 53.289 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 129 Resp: 124073
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5

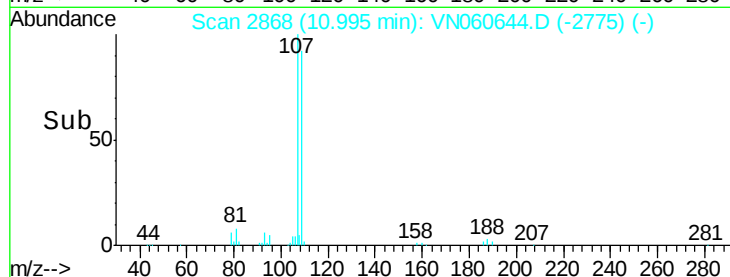
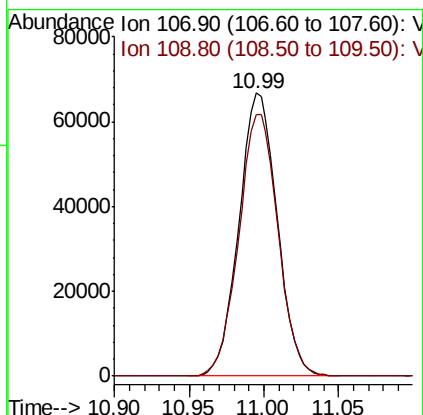
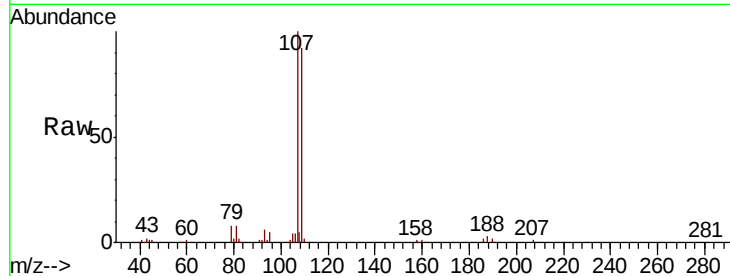




#61
 1,2-Dibromoethane
 Concen: 52.381 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

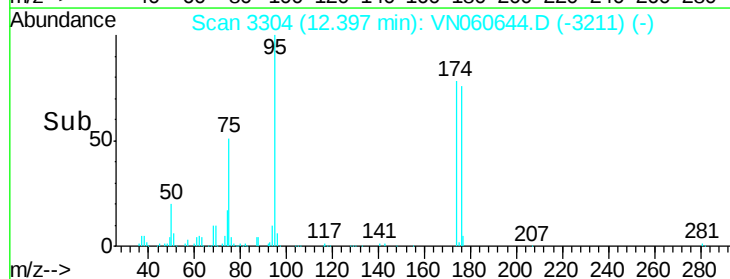
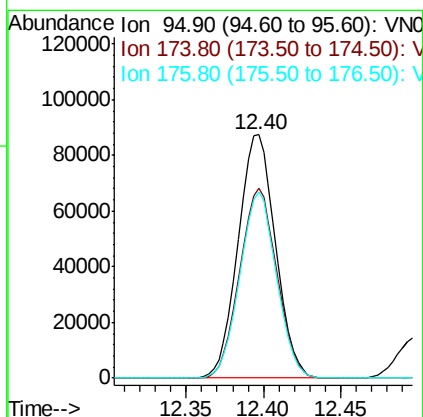
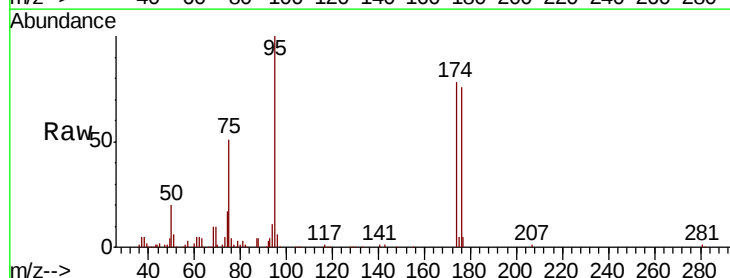
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 118723
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.052 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion: 95 Resp: 147359
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 157.6
 176 74.8 0.0 150.6

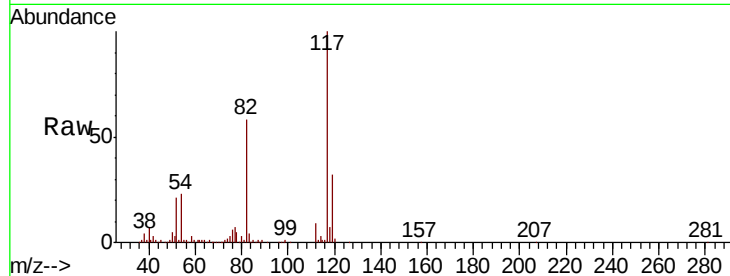




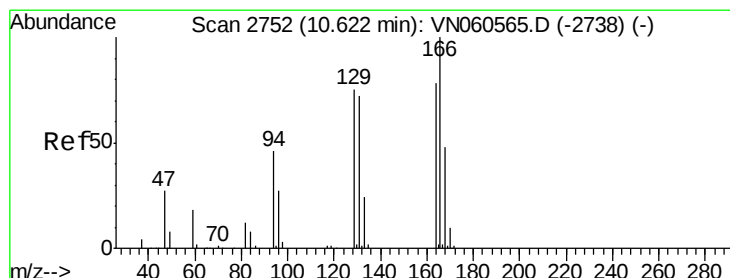
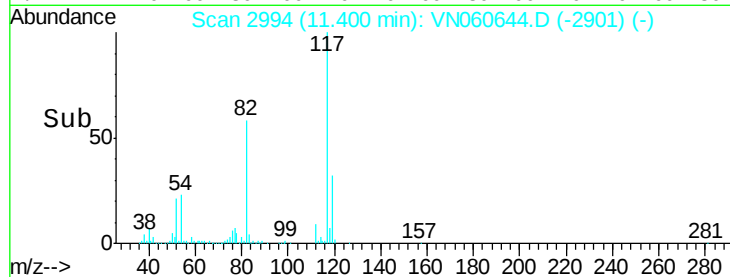
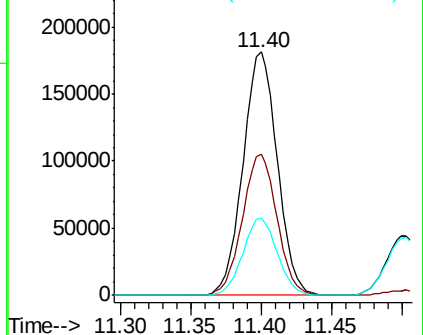
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 309564
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 31.6 25.5 38.3

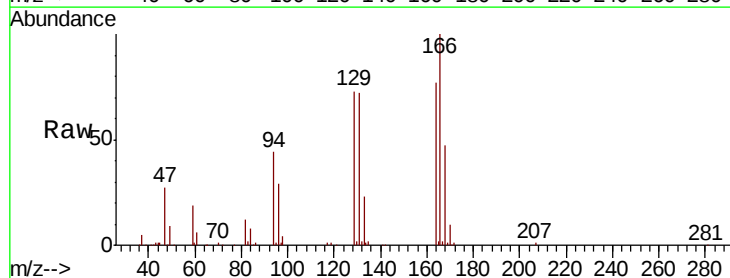


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

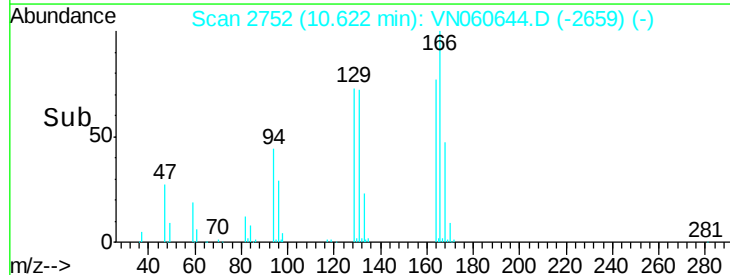
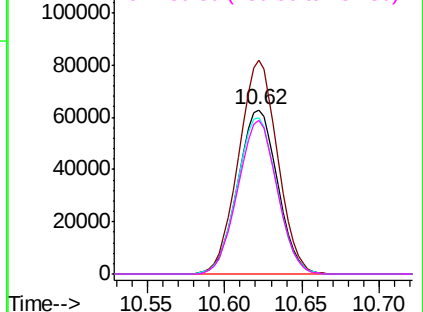


#64
Tetrachloroethene
Concen: 46.121 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion:164 Resp: 112351
Ion Ratio Lower Upper
164 100
166 129.9 102.7 154.1
129 95.4 77.2 115.8
131 93.1 73.8 110.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.409 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

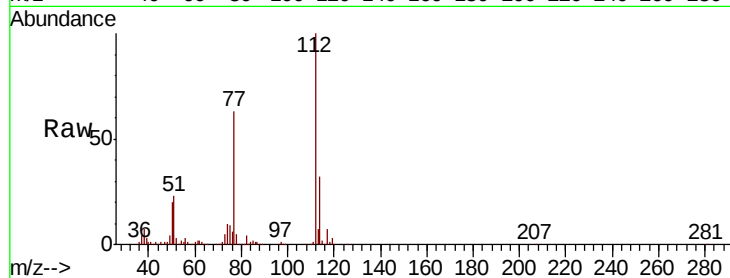
ClientSampleId :

Tot Ion:112 Resp: 303215

Ion Ratio Lower Upper

112 100

114 31.6 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

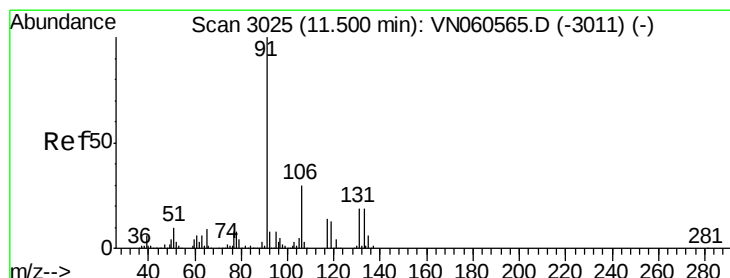
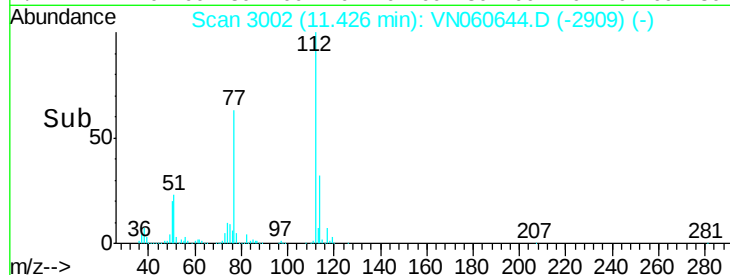
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.949 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

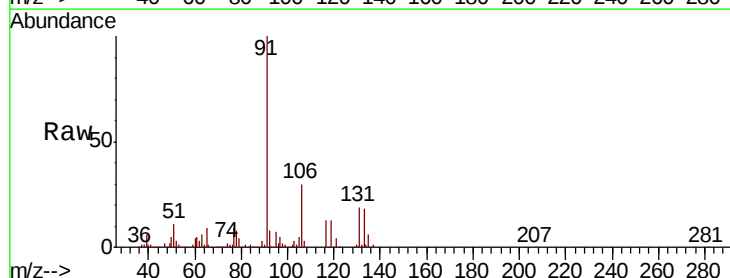
Tgt Ion:131 Resp: 113206

Ion Ratio Lower Upper

131 100

133 95.8 48.9 146.8

119 66.6 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

80000

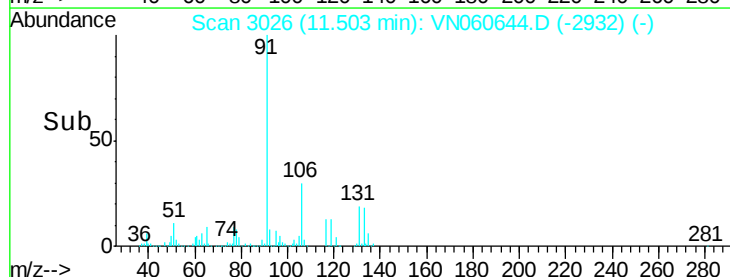
60000

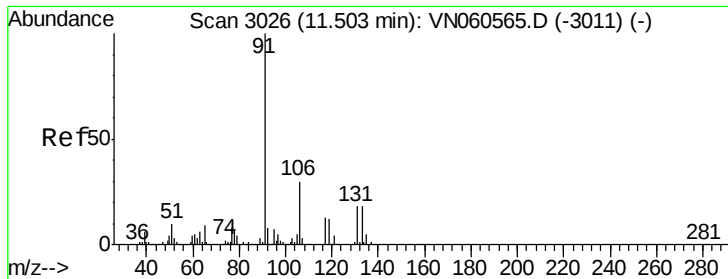
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 50.115 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

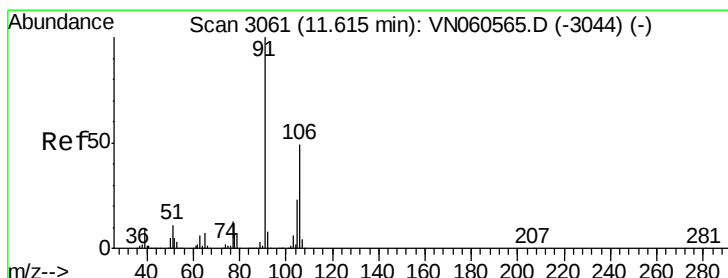
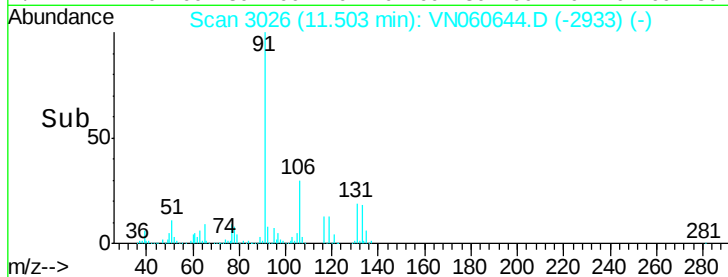
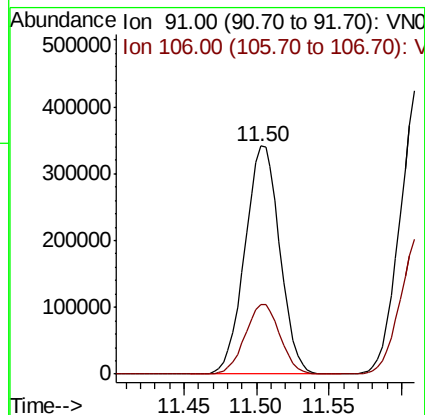
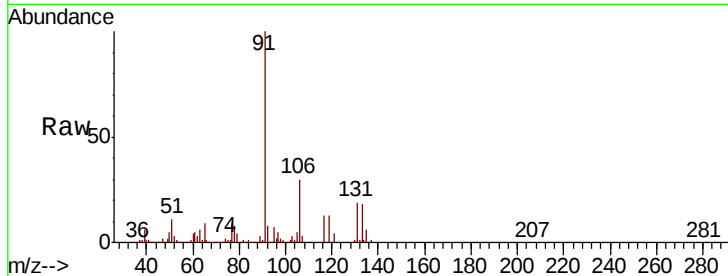
ClientSampleId :

Tot Ion: 91 Resp: 571931

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2



#68

m/p-Xylenes

Concen: 98.848 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060644.D

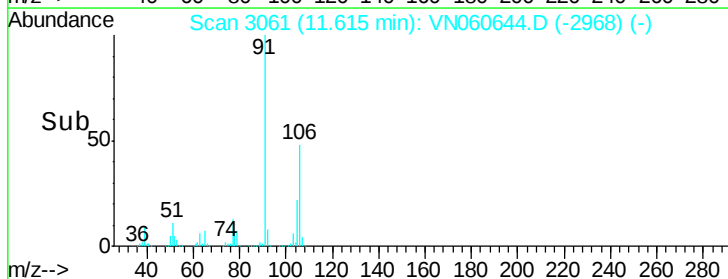
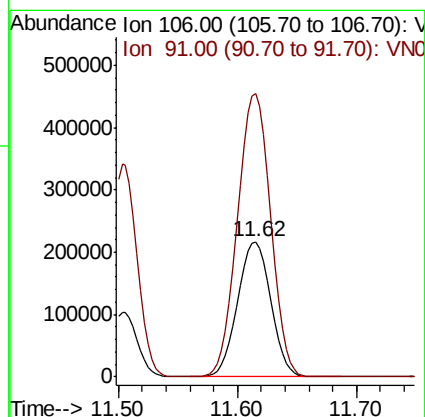
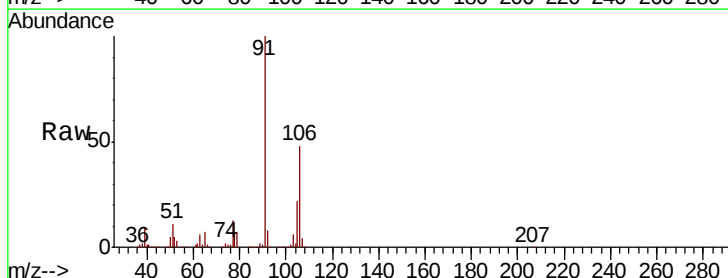
Acq: 19 Mar 2020 18:03

Tgt Ion: 106 Resp: 419204

Ion Ratio Lower Upper

106 100

91 209.7 165.0 247.4

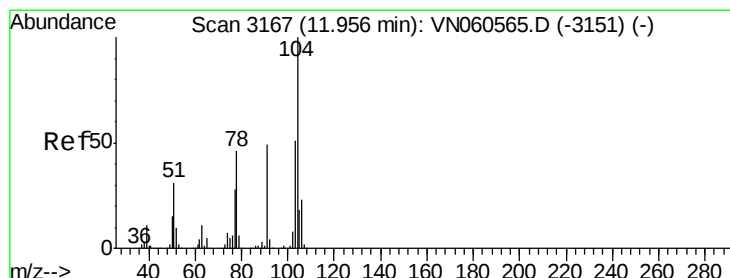
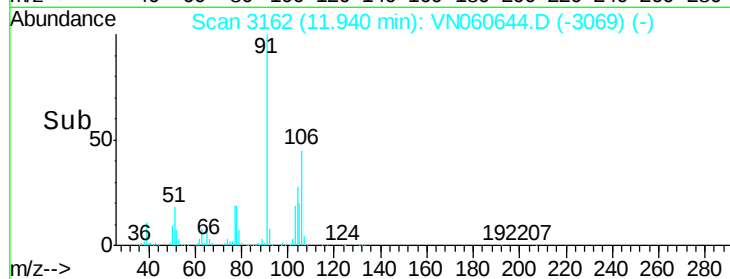
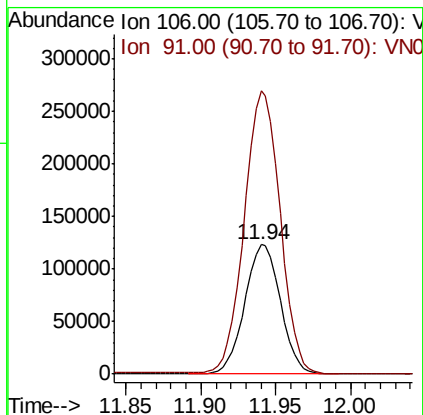
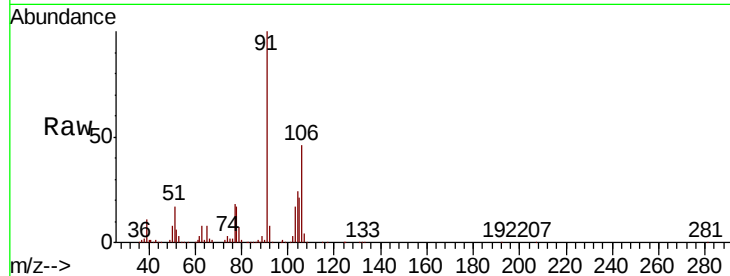




#69
o-Xylene
Concen: 50.558 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

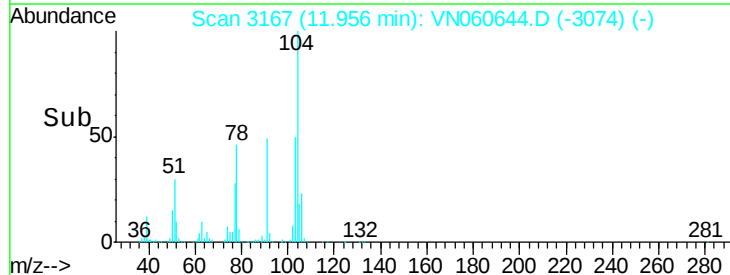
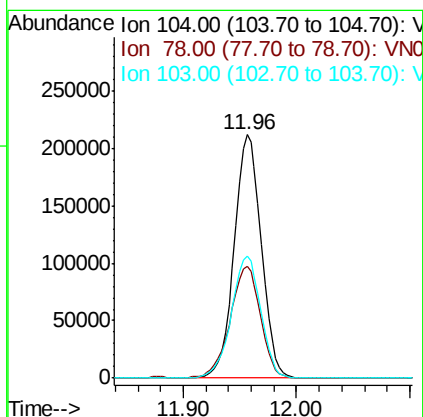
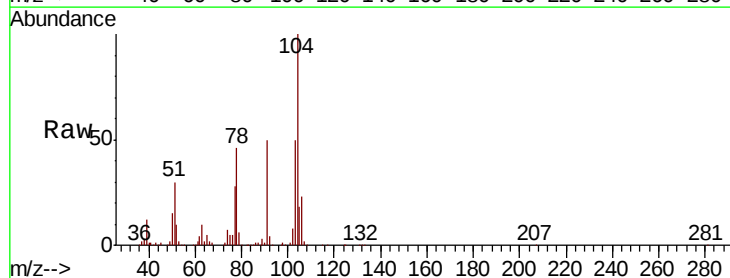
Instrument :
MSVOA_N
ClientSampled :

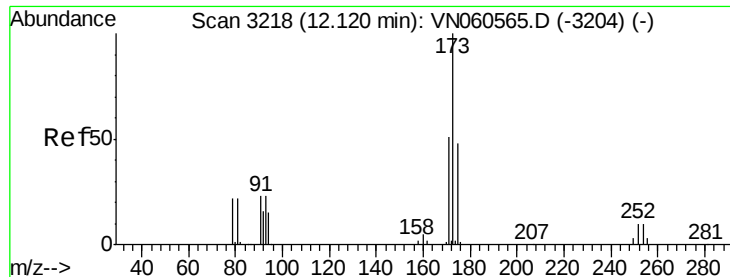
Tot Ion:106 Resp: 204679
Ion Ratio Lower Upper
106 100
91 220.7 109.5 328.4



#70
Styrene
Concen: 53.146 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion:104 Resp: 351889
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 54.1 44.0 66.0





#71

Bromoform

Concen: 49.479 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

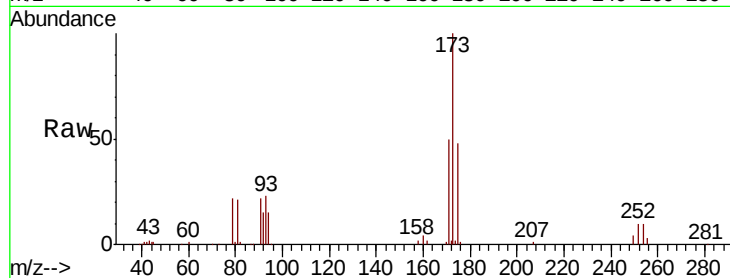
Tot Ion:173 Resp: 91340

Ion Ratio Lower Upper

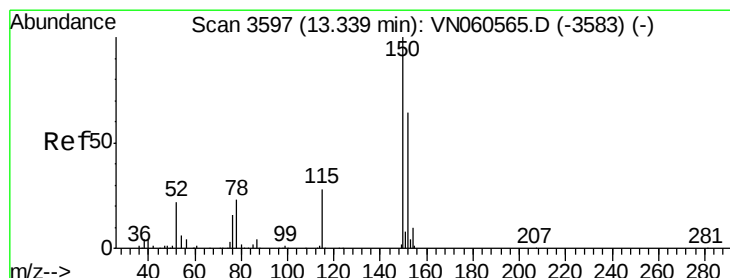
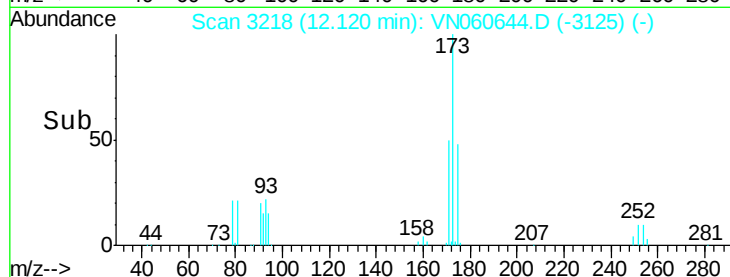
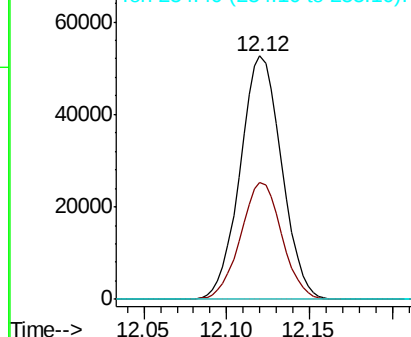
173 100

175 47.9 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: VN060644.D

Acq: 19 Mar 2020 18:03

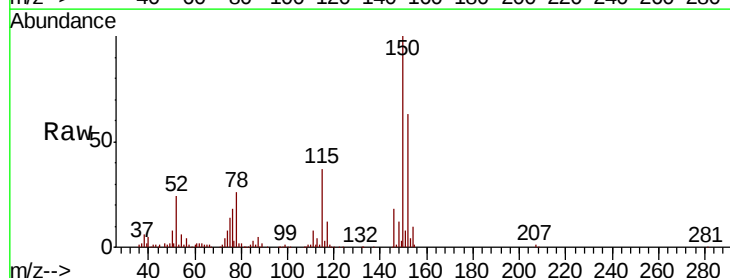
Tgt Ion:152 Resp: 149969

Ion Ratio Lower Upper

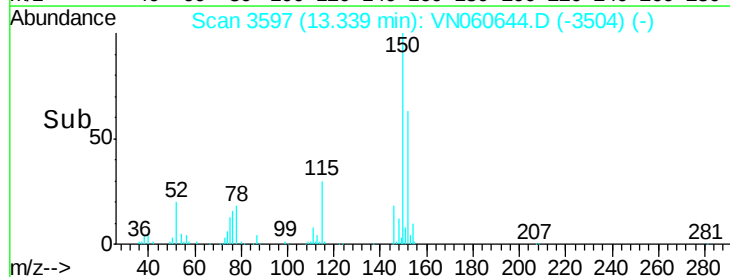
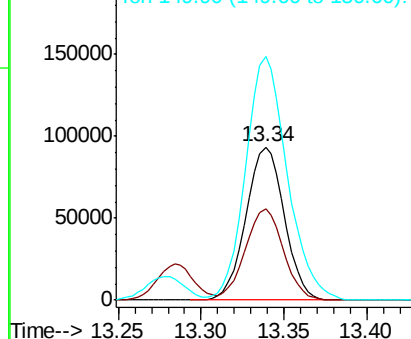
152 100

115 59.3 30.2 90.6

150 172.6 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: 48.469 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

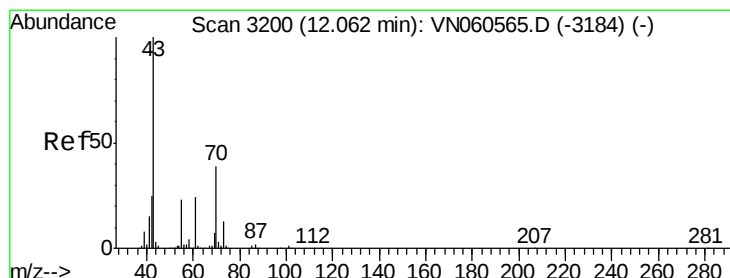
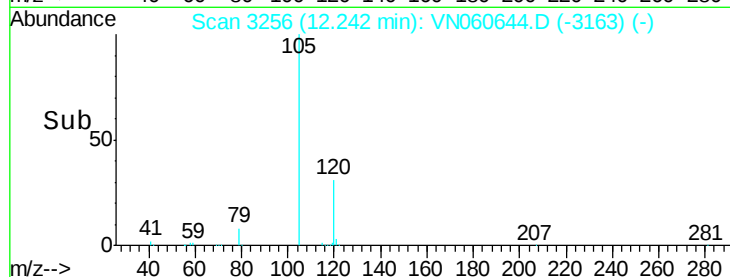
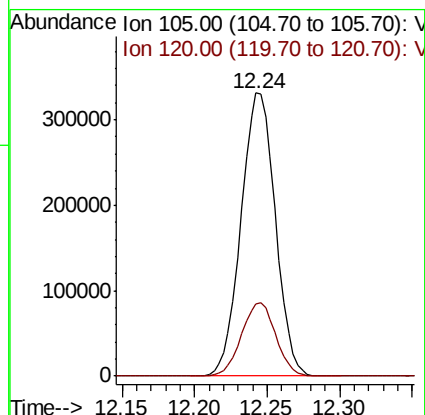
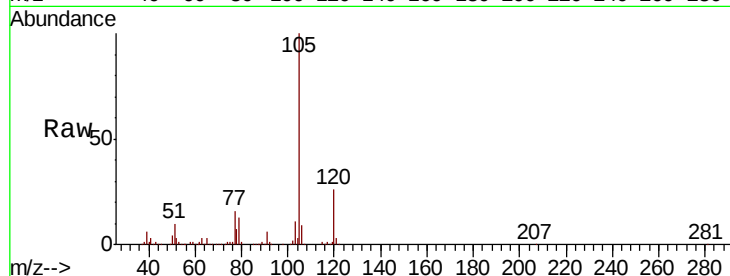
ClientSampleId :

Tot Ion: 105 Resp: 545492

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



#74

N-ethyl acetate

Concen: 52.817 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion: 43 Resp: 274681

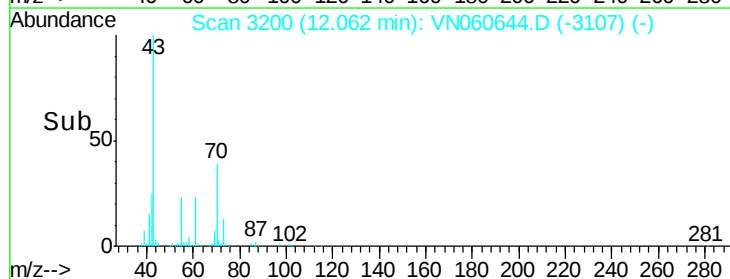
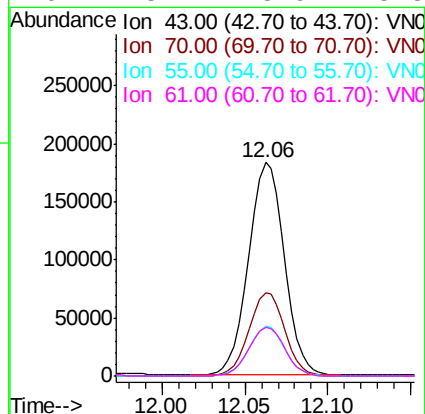
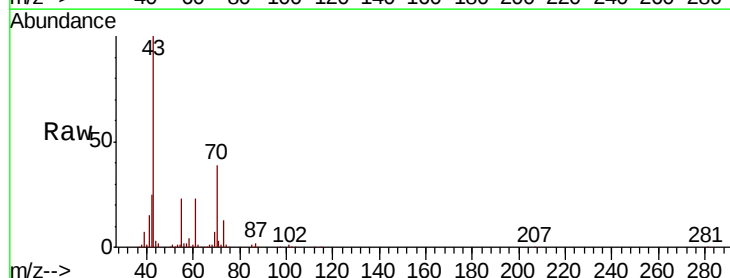
Ion Ratio Lower Upper

43 100

70 39.5 31.1 46.7

55 23.5 18.6 27.8

61 23.4 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.532 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampled :

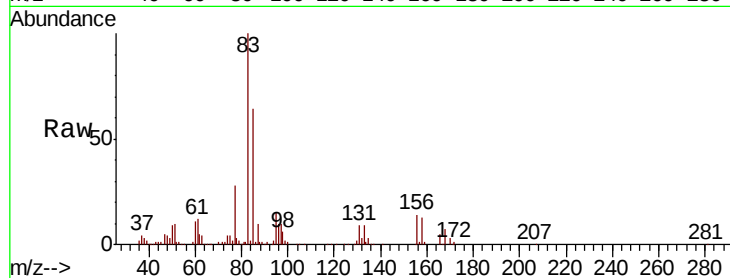
Tot Ion: 83 Resp: 171984

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

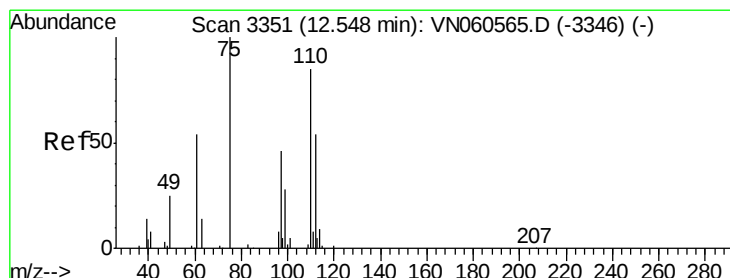
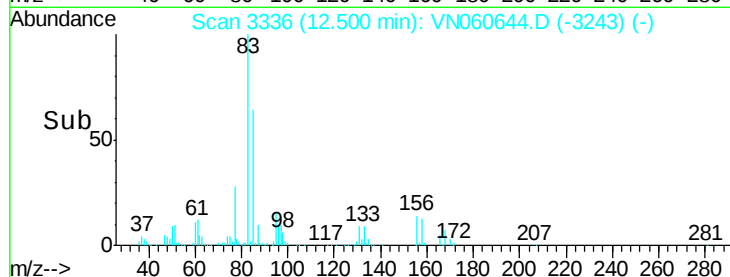
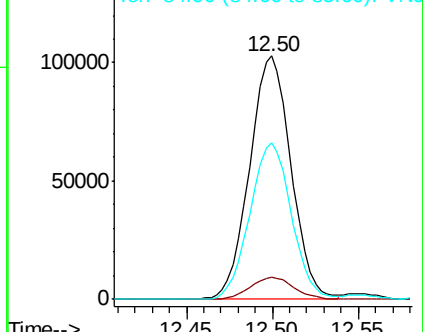
85 64.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060644.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060644.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060644.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 71.462 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060644.D

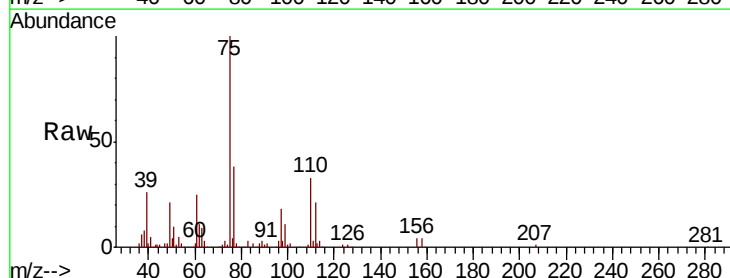
Acq: 19 Mar 2020 18:03

Tgt Ion: 75 Resp: 231253

Ion Ratio Lower Upper

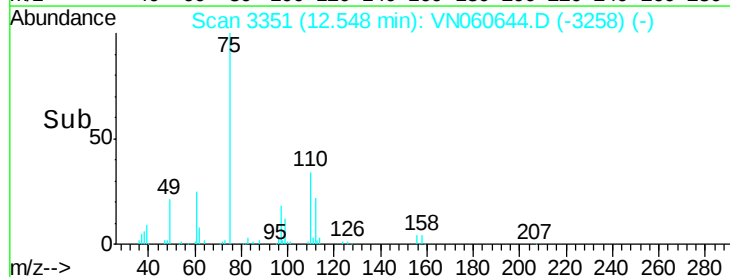
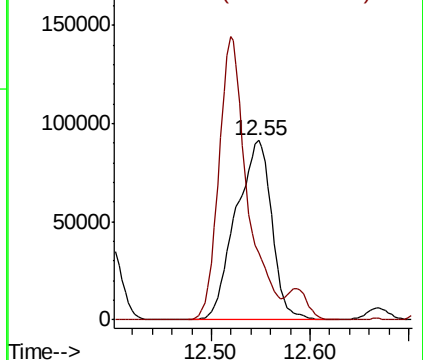
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060644.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060644.D (-3258) (-)





#77

Bromobenzene

Concen: 48.406 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

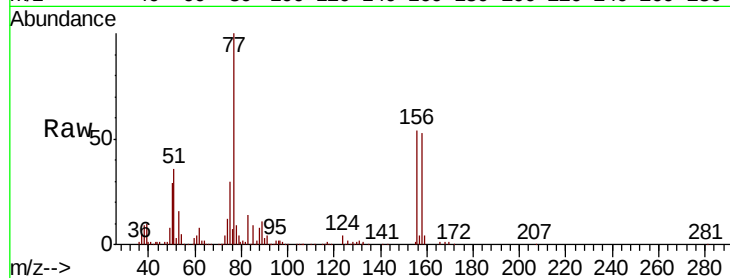
Tot Ion:156 Resp: 131274

Ion Ratio Lower Upper

156 100

77 222.2 112.3 337.0

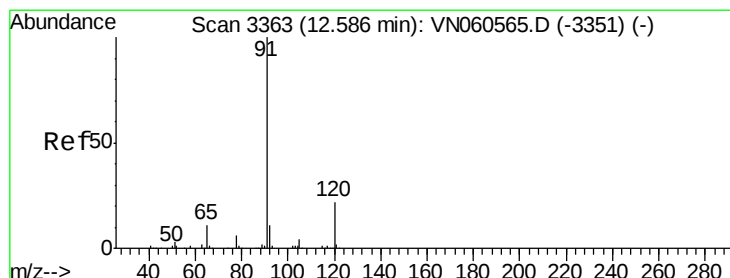
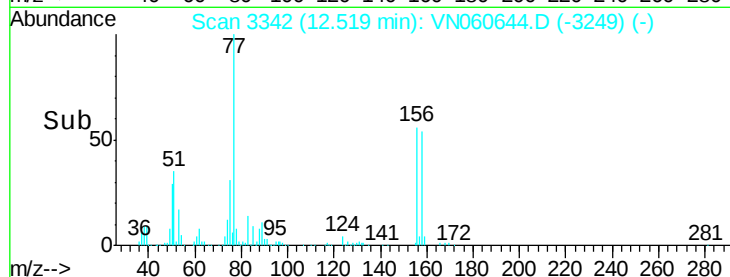
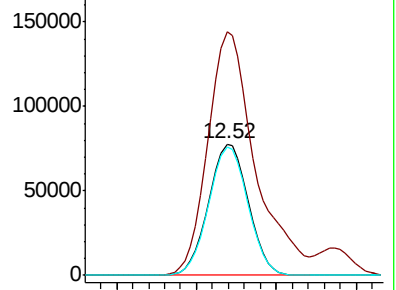
158 97.0 48.6 145.8



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: 48.466 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060644.D

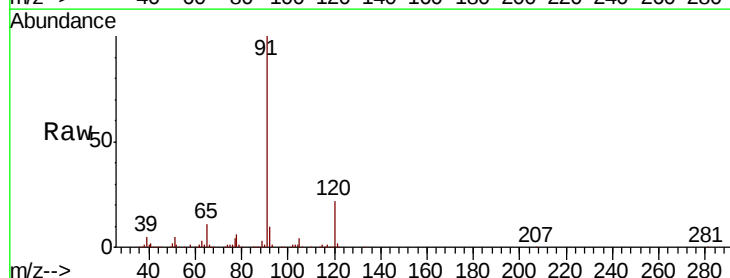
Acq: 19 Mar 2020 18:03

Tgt Ion: 91 Resp: 644426

Ion Ratio Lower Upper

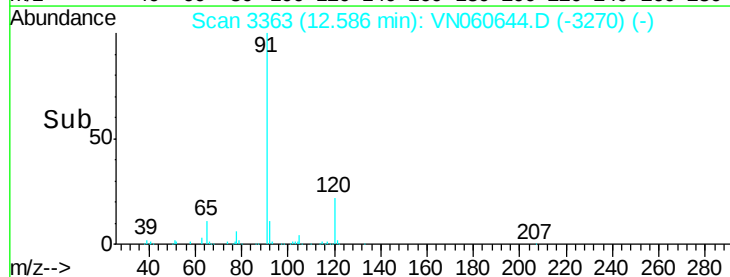
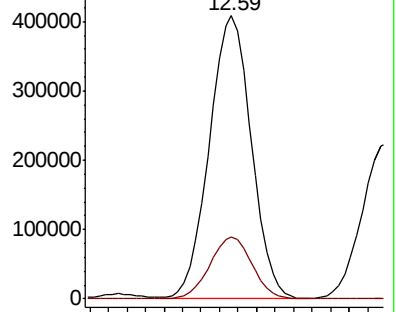
91 100

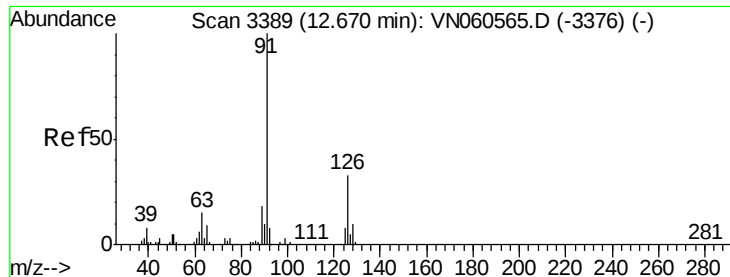
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.611 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

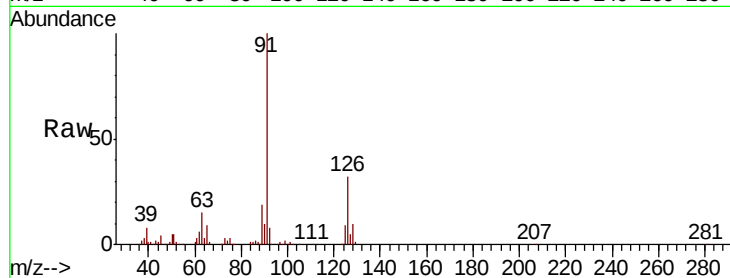
ClientSampled :

Tot Ion: 91 Resp: 378257

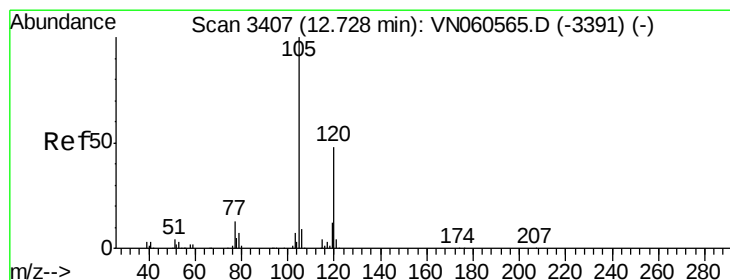
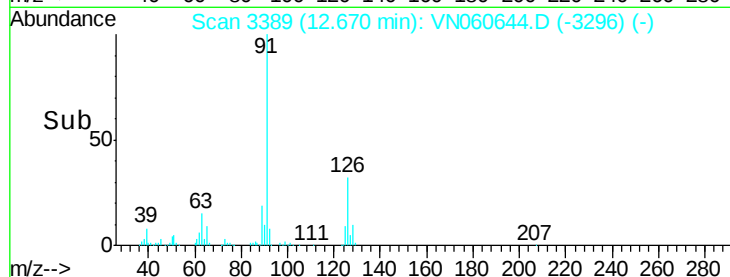
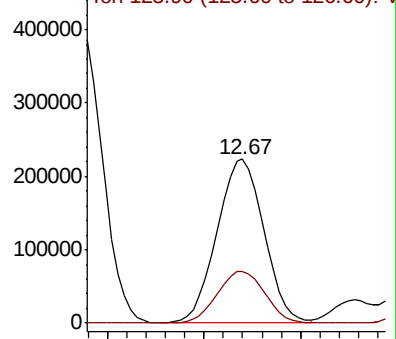
Ion Ratio Lower Upper

91 100

126 31.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060644.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.047 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060644.D

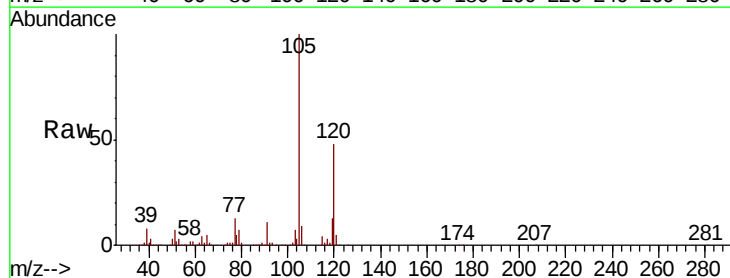
Acq: 19 Mar 2020 18:03

Tgt Ion: 105 Resp: 458889

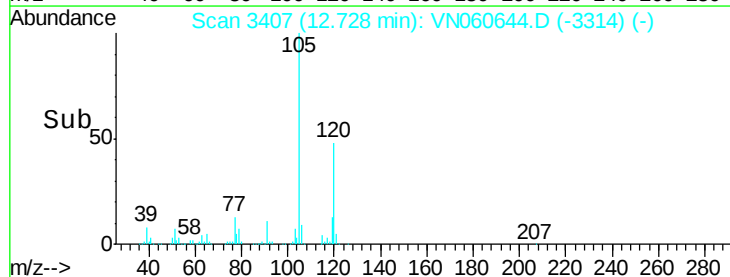
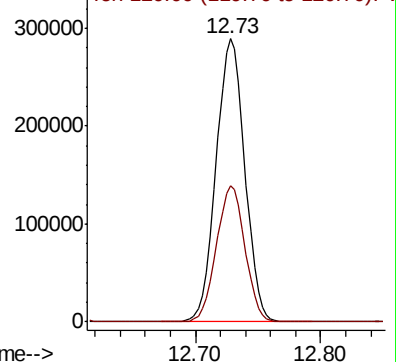
Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060644.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.442 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

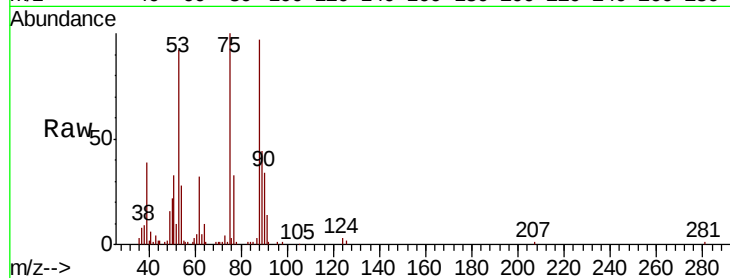
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 63556

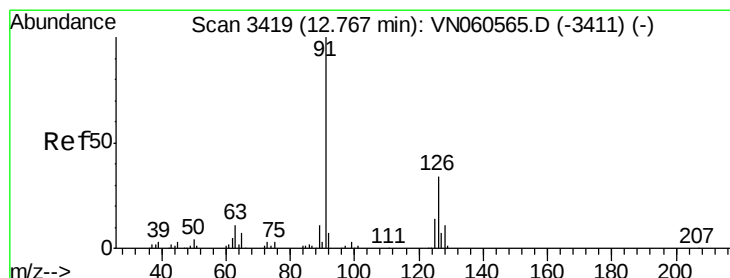
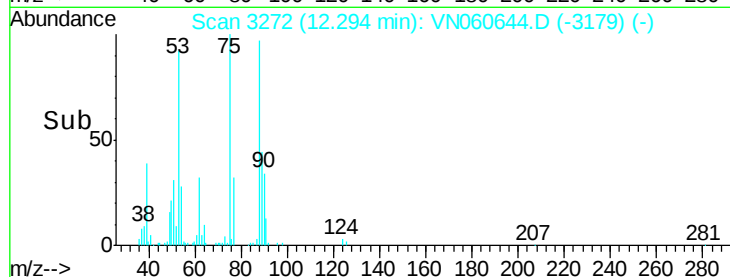
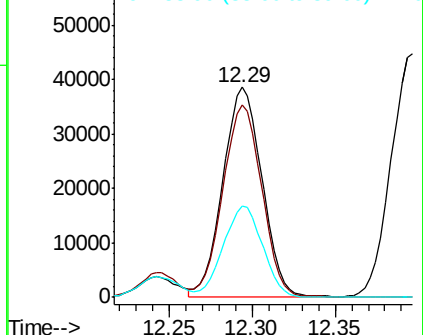
Ion	Ratio	Lower	Upper
75	100		
53	91.3	73.0	109.4
89	43.4	34.8	52.2



Abundance Ion 74.90 (74.60 to 75.60): VN060644.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060644.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060644.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 48.934 ug/l

RT: 12.77 min Scan# 3419

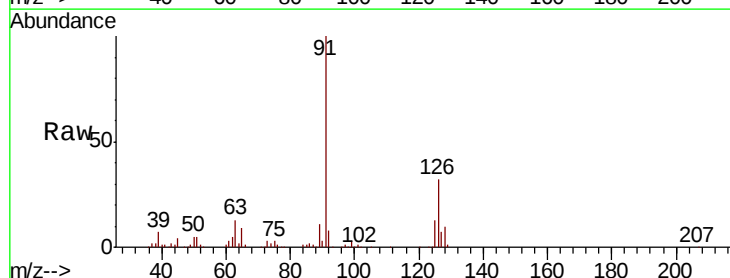
Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

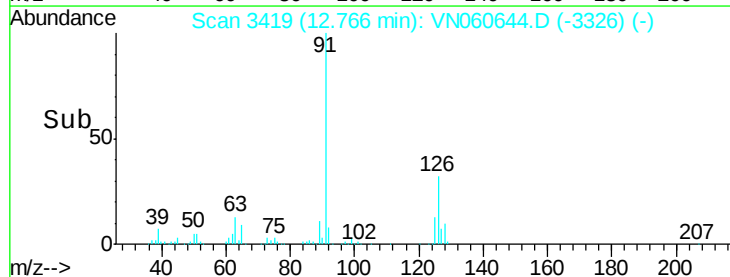
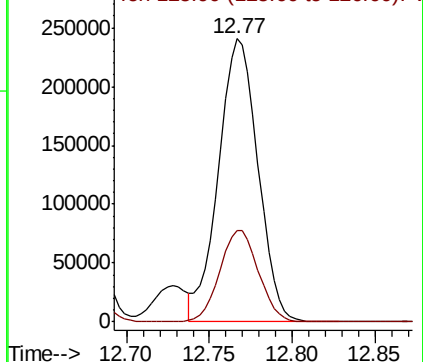
Tgt Ion: 91 Resp: 395951

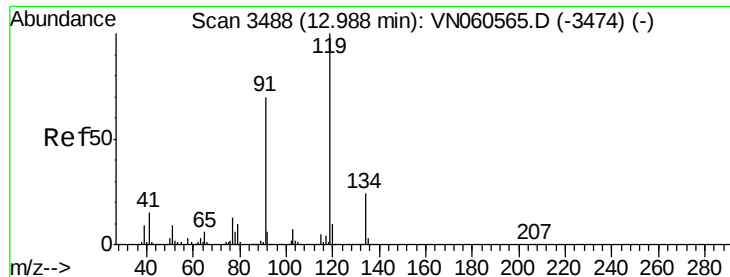
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.2	48.5



Abundance Ion 91.00 (90.70 to 91.70): VN060644.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN060644.D (-3326) (-)





#83

tert-Butylbenzene

Concen: 48.064 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

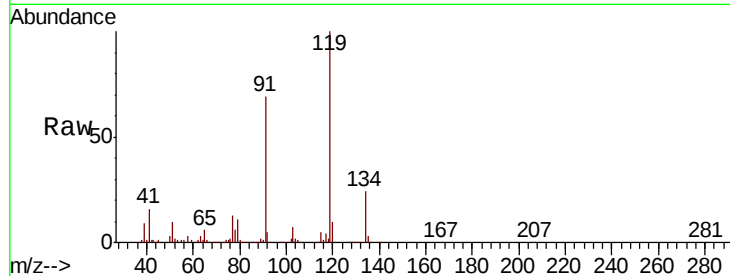
Tot Ion:119 Resp: 380540

Ion Ratio Lower Upper

119 100

91 67.9 34.0 101.8

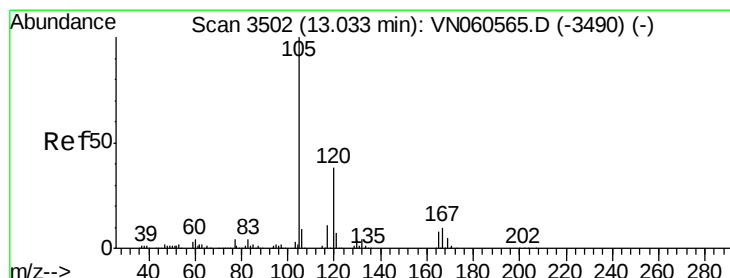
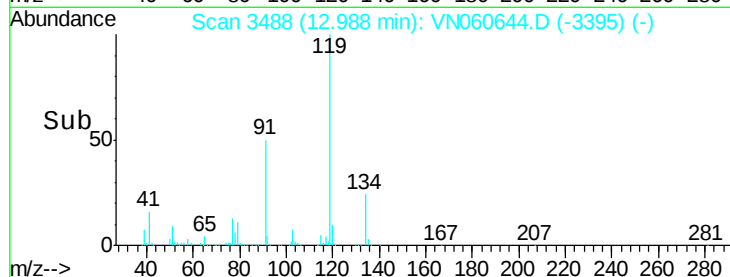
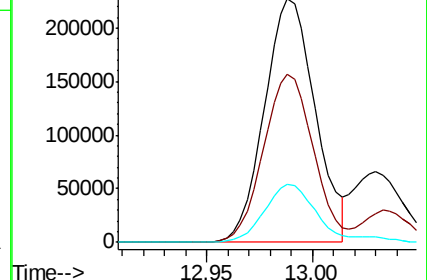
134 25.2 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.611 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060644.D

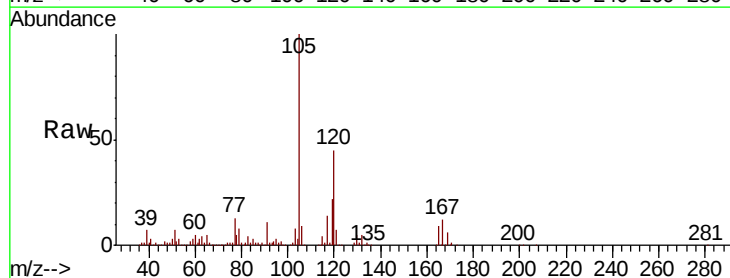
Acq: 19 Mar 2020 18:03

Tgt Ion:105 Resp: 459314

Ion Ratio Lower Upper

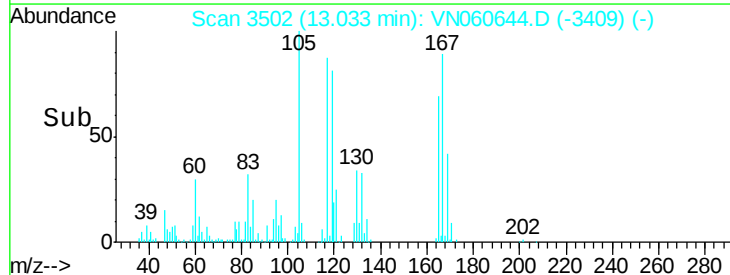
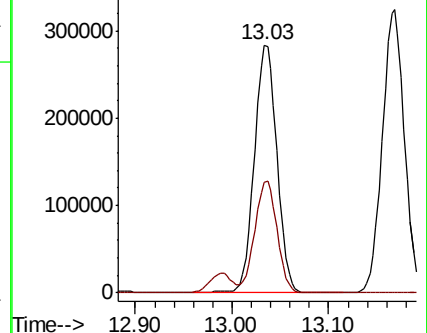
105 100

120 44.6 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.942 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

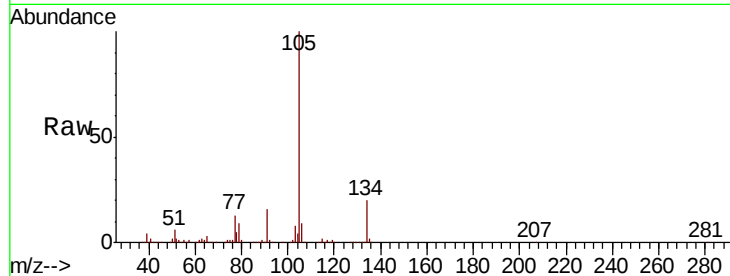
ClientSampled :

Tot Ion:105 Resp: 510420

Ion Ratio Lower Upper

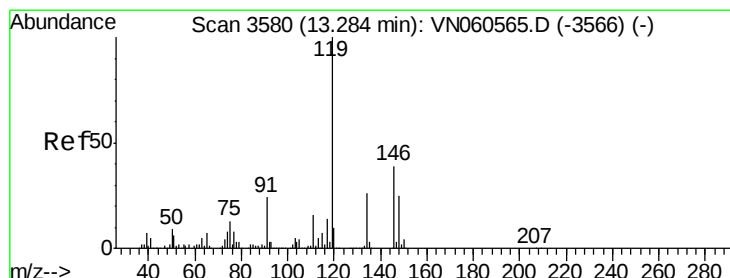
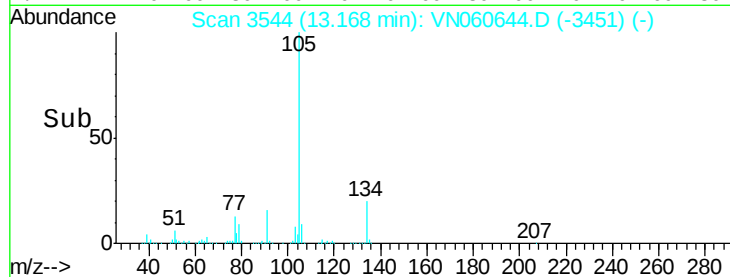
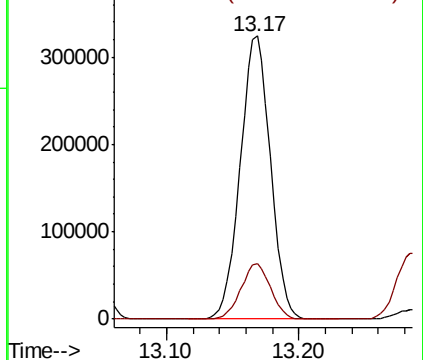
105 100

134 19.2 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: 48.422 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

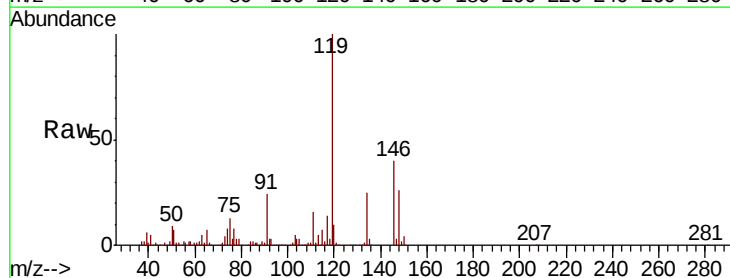
Tgt Ion:119 Resp: 463576

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

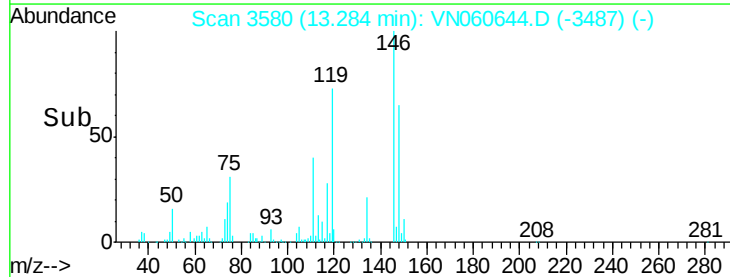
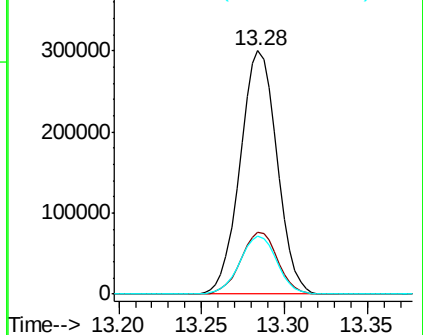
91 23.9 12.0 36.0



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

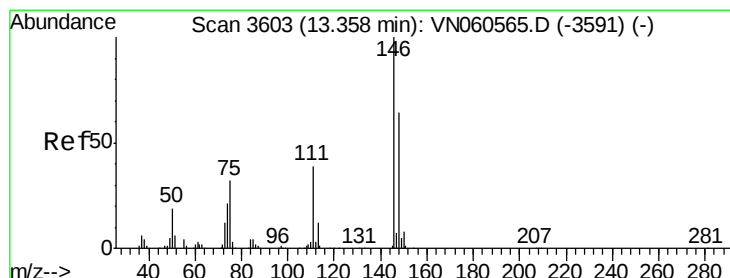
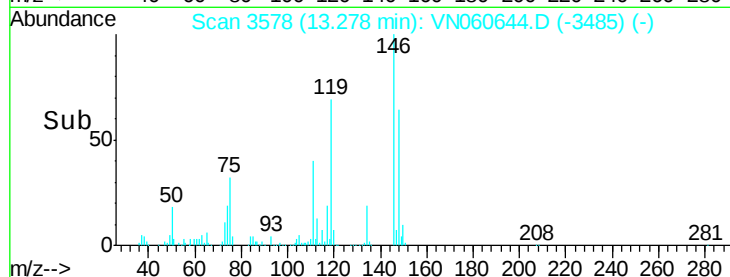
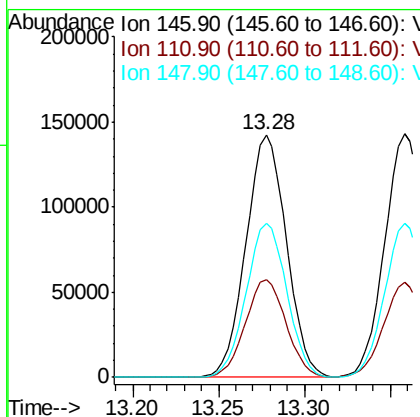
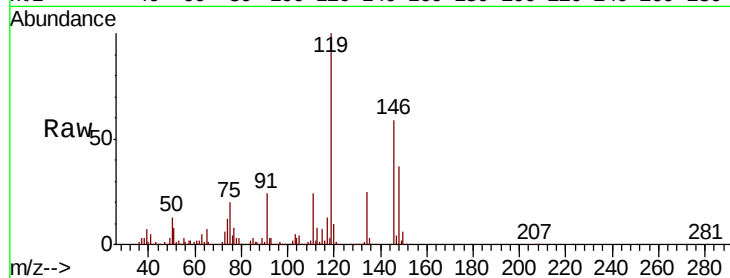




#87
 1,3-Dichlorobenzene
 Concen: 48.751 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

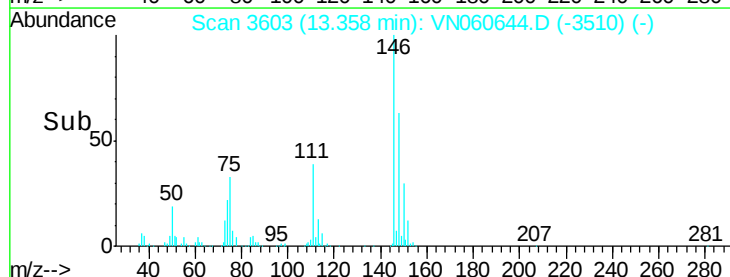
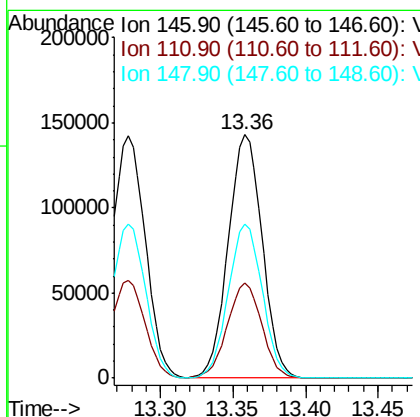
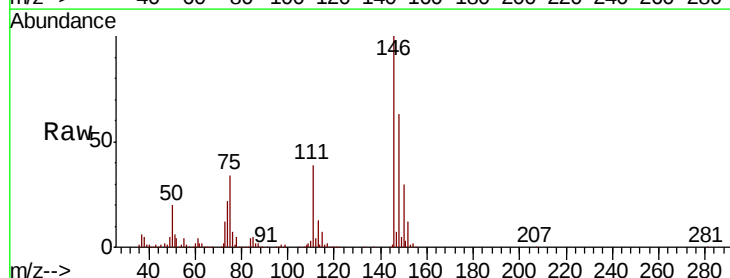
Instrument :
 MSVOA_N
 ClientSampled :

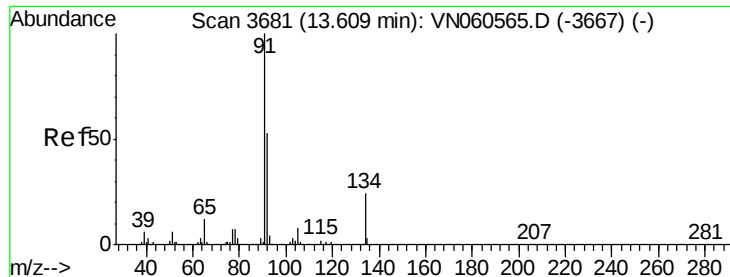
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	63.7	32.5	97.4



#88
 1,4-Dichlorobenzene
 Concen: 48.471 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.3	32.1	96.3

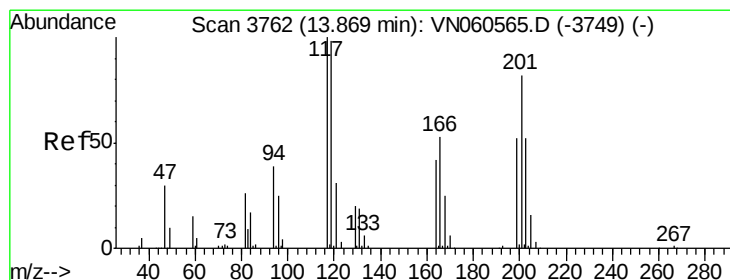
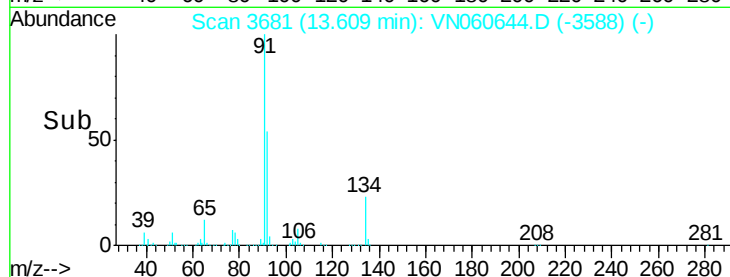
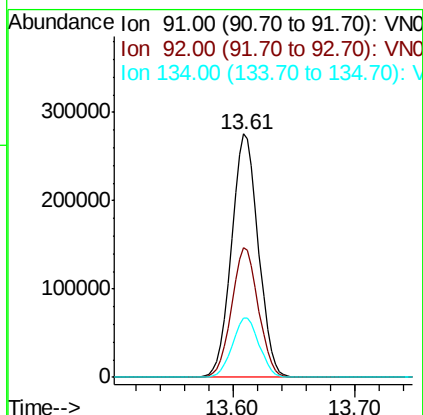
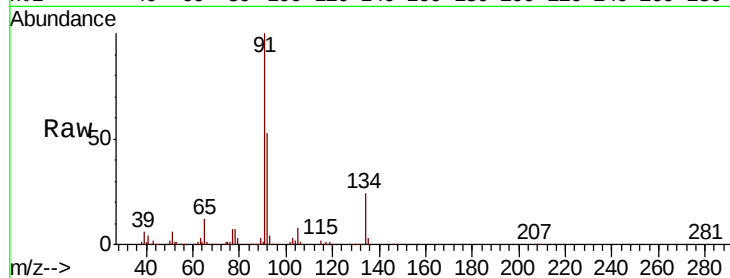




#89
n-Butylbenzene
Concen: 48.705 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

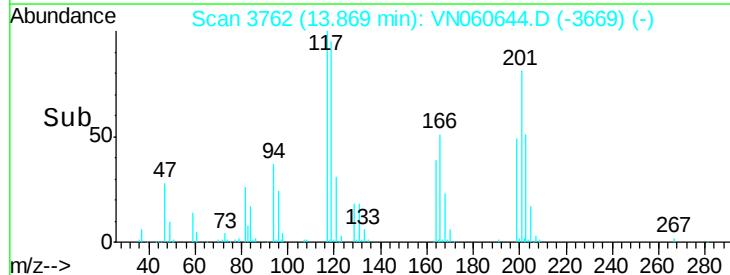
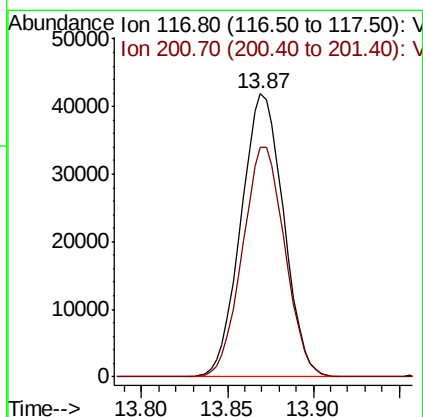
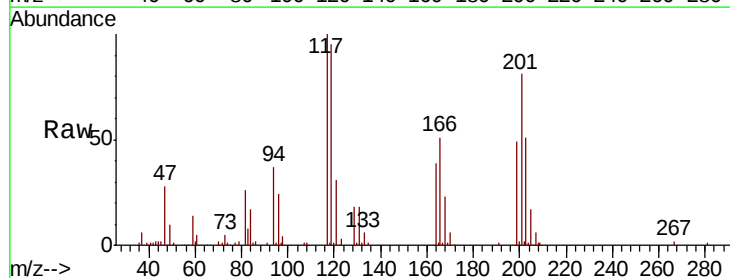
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 420992
Ion Ratio Lower Upper
91 100
92 53.0 26.2 78.5
134 24.5 12.3 36.9



#90
Hexachloroethane
Concen: 51.628 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 117 Resp: 71847
Ion Ratio Lower Upper
117 100
201 81.0 40.8 122.5

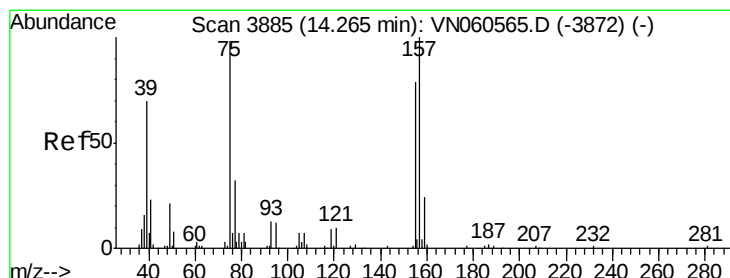
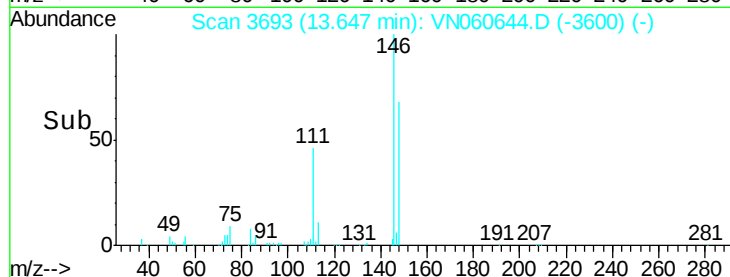
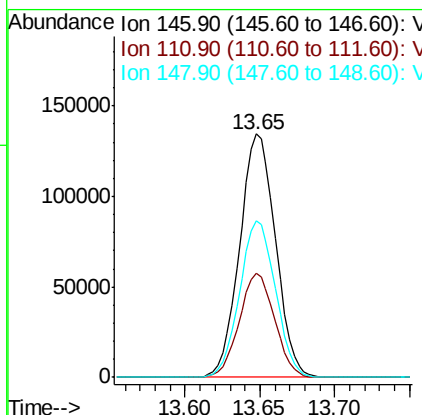
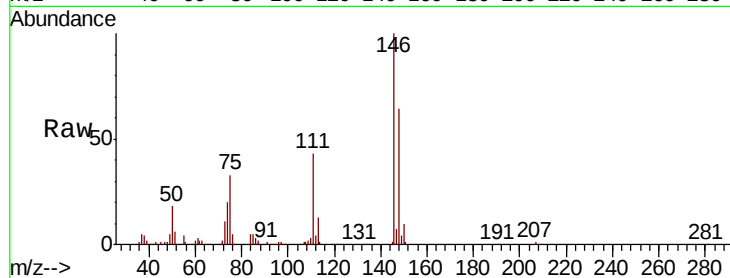




#91
 1,2-Dichlorobenzene
 Concen: 48.952 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

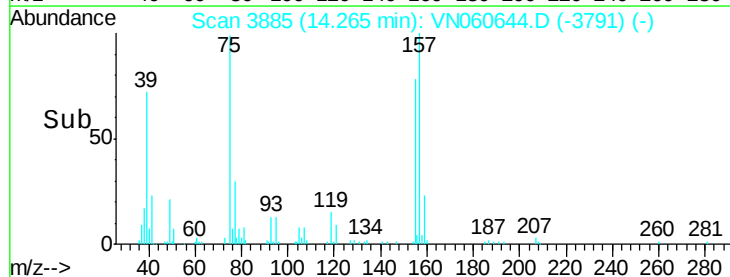
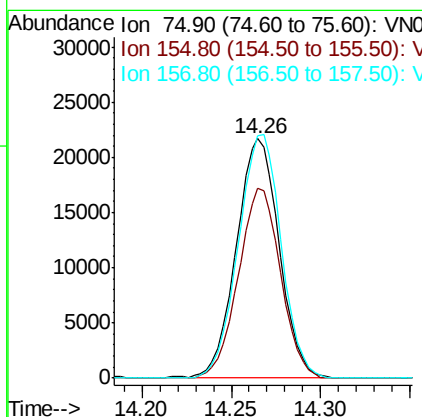
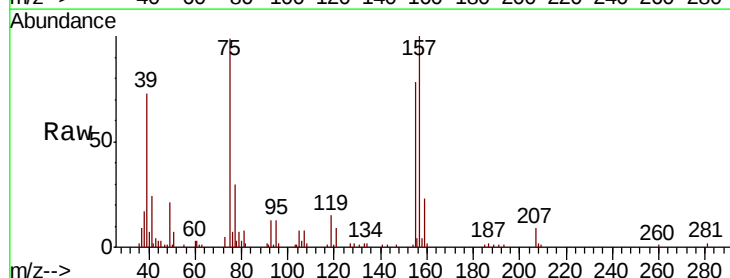
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	64.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.803 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	40.7	122.1
157	101.7	51.5	154.7

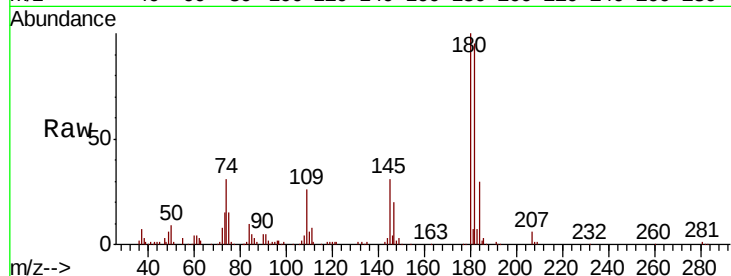




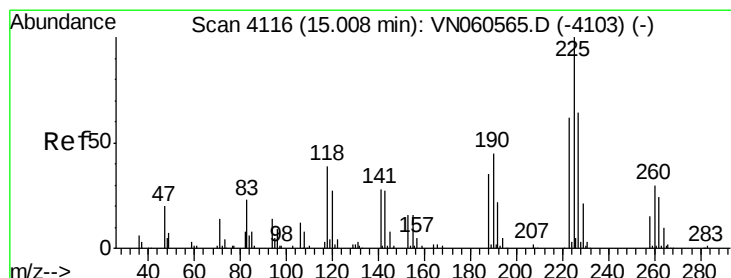
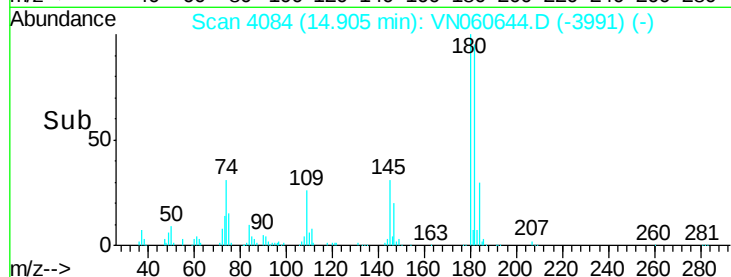
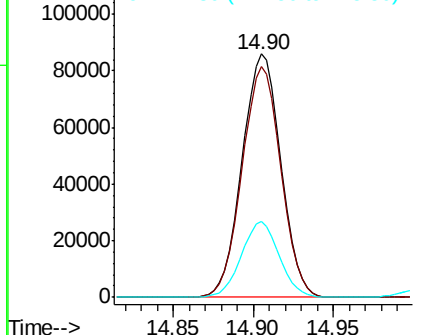
#93
 1,2,4-Trichlorobenzene
 Concen: 50.626 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.8
145	30.3	15.4	46.2

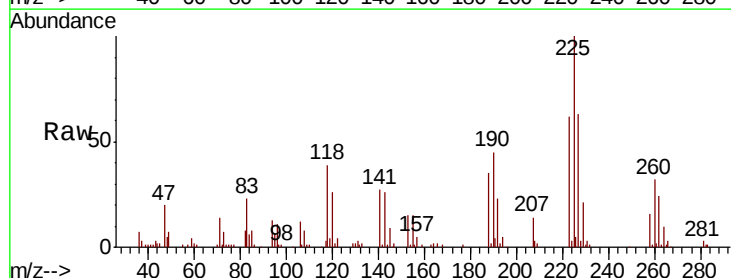


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

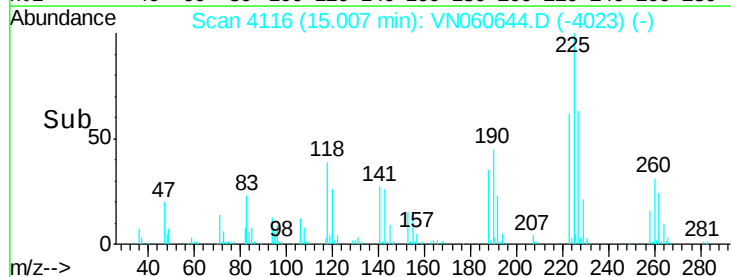
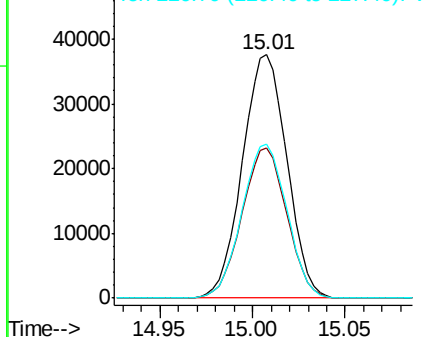


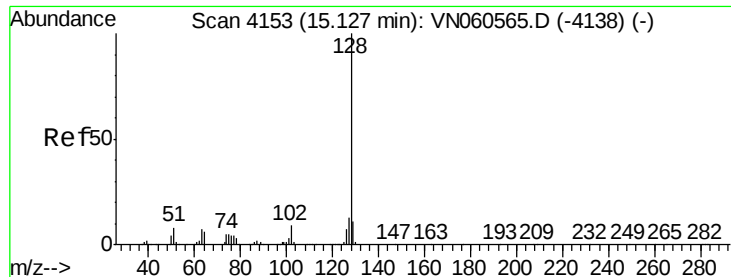
#94
 Hexachlorobutadiene
 Concen: 45.579 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.6	95.0
227	63.7	32.3	96.8



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

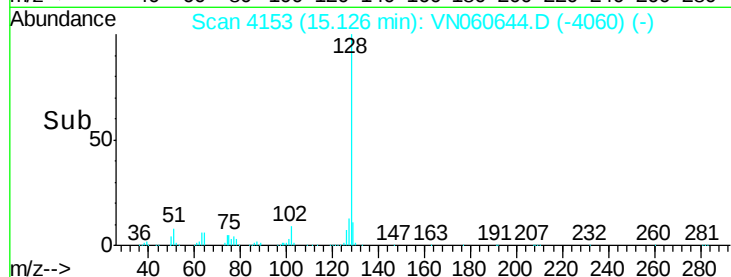
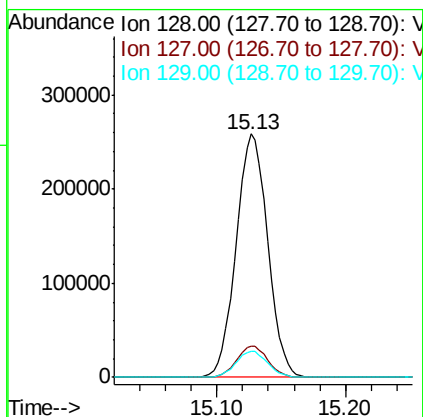
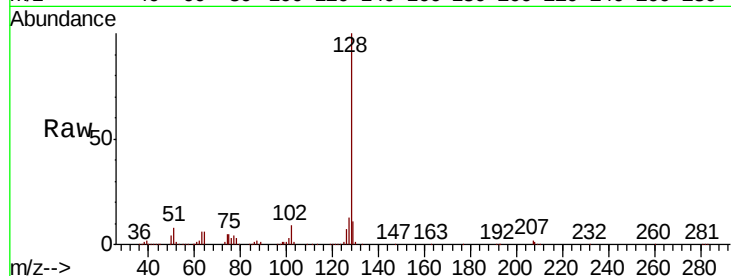




#95
Naphthalene
Concen: 52.092 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 440061
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.544 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion:180 Resp: 134294
Ion Ratio Lower Upper
180 100
182 95.9 47.5 142.6
145 32.7 16.3 48.8

