

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060981.D
 Acq On : 15 Apr 2020 23:02
 Operator : JC/MD
 Sample : VN0415WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:40:53 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	129817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	221694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	202818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	93416	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	97142	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
35) Dibromofluoromethane	7.56	113	72023	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
50) Toluene-d8	10.08	98	277982	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.39	95	101968	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	19739	15.715	ug/l	100
3) Chloromethane	2.04	50	36883	15.722	ug/l	99
4) Vinyl Chloride	2.17	62	30326	16.527	ug/l	97
5) Bromomethane	2.55	94	16041	20.251	ug/l	100
6) Chloroethane	2.69	64	19287	18.247	ug/l	99
7) Trichlorofluoromethane	3.00	101	40963	18.122	ug/l	98
8) Diethyl Ether	3.38	74	17750	19.548	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	24323	18.571	ug/l	99
10) Methyl Iodide	3.93	142	17767	15.245	ug/l	99
11) Tert butyl alcohol	4.72	59	28892	110.237	ug/l	98
12) 1,1-Dichloroethene	3.72	96	24776	17.628	ug/l	99
13) Acrolein	3.58	56	22325	76.857	ug/l	99
14) Allyl chloride	4.29	41	47846	19.355	ug/l	94
15) Acrylonitrile	4.95	53	82148	106.589	ug/l	99
16) Acetone	3.78	43	66786	105.799	ug/l	98
17) Carbon Disulfide	4.03	76	65979	15.435	ug/l	99
18) Methyl Acetate	4.29	43	40066	22.549	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	94185	19.491	ug/l	95
20) Methylene Chloride	4.52	84	29314	18.877	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	26825	17.908	ug/l	95
22) Diisopropyl ether	5.91	45	110037	21.070	ug/l	99
23) Vinyl Acetate	5.86	43	440596	103.398	ug/l	98
24) 1,1-Dichloroethane	5.82	63	56323	19.783	ug/l	100
25) 2-Butanone	6.80	43	109973	107.661	ug/l	99
26) 2,2-Dichloropropane	6.79	77	41473	18.514	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	32302	18.976	ug/l	98
28) Bromochloromethane	7.17	49	29133	21.387	ug/l	97
29) Tetrahydrofuran	7.18	42	74706	103.366	ug/l	98
30) Chloroform	7.35	83	53957	19.769	ug/l	97
31) Cyclohexane	7.63	56	50797	17.698	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	45331	19.266	ug/l	99
36) 1,1-Dichloropropene	7.77	75	39757	18.520	ug/l	99
37) Ethyl Acetate	6.89	43	47552	20.501	ug/l	99
38) Carbon Tetrachloride	7.75	117	34739	18.056	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	44061	17.272	ug/l	95
40) Benzene	8.02	78	122633	18.924	ug/l	99
41) Methacrylonitrile	7.18	41	67399	68.086	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	42883	19.363	ug/l	98
43) Isopropyl Acetate	8.14	43	78444	20.506	ug/l	99
44) Trichloroethene	8.82	130	29617	18.130	ug/l	98
45) 1,2-Dichloropropane	9.10	63	34740	20.316	ug/l	100
46) Dibromomethane	9.19	93	20040	19.385	ug/l	98
47) Bromodichloromethane	9.38	83	41342	19.245	ug/l	99
48) Methyl methacrylate	9.18	41	33125	19.449	ug/l	98
49) 1,4-Dioxane	9.18	88	8935	441.363	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	230012	105.665	ug/l	99
52) Toluene	10.14	92	73161	18.694	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	47300	19.169	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	50794	18.764	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	29831	19.813	ug/l	98
56) Ethyl methacrylate	10.42	69	45526	19.392	ug/l	97
57) 1,3-Dichloropropane	10.70	76	52008	19.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	102500	87.846	ug/l	98
59) 2-Hexanone	10.74	43	163610	104.339	ug/l	100
60) Dibromochloromethane	10.89	129	29906	19.229	ug/l	100
61) 1,2-Dibromoethane	10.99	107	29406	19.423	ug/l	98
64) Tetrachloroethene	10.62	164	27451	17.200	ug/l	98
65) Chlorobenzene	11.42	112	75034	18.662	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	28274	19.422	ug/l	97
67) Ethyl Benzene	11.50	91	139590	18.669	ug/l	98
68) m/p-Xylenes	11.61	106	100314	36.104	ug/l	97
69) o-Xylene	11.94	106	48819	18.405	ug/l	96
70) Styrene	11.96	104	80300	18.511	ug/l	100
71) Bromoform	12.12	173	21207	18.619	ug/l #	100
73) Isopropylbenzene	12.24	105	132330	18.876	ug/l	100
74) N-amyl acetate	12.06	43	64531	19.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	43821	20.670	ug/l	98
76) 1,2,3-Trichloropropane	12.54	75	57531	28.541	ug/l #	100
77) Bromobenzene	12.52	156	31506	18.650	ug/l	97
78) n-propylbenzene	12.58	91	156664	18.915	ug/l	99
79) 2-Chlorotoluene	12.67	91	92382	18.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	109240	18.362	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	14095	17.959	ug/l	99
82) 4-Chlorotoluene	12.77	91	95093	18.867	ug/l	100
83) tert-Butylbenzene	12.99	119	94474	19.156	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	110325	18.745	ug/l	100
85) sec-Butylbenzene	13.17	105	127131	19.170	ug/l	100
86) p-Isopropyltoluene	13.28	119	111559	18.707	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	56264	18.884	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	55354	18.492	ug/l	98
89) n-Butylbenzene	13.61	91	100778	18.718	ug/l	99
90) Hexachloroethane	13.87	117	17863	20.607	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	55041	19.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	8429	18.815	ug/l	96

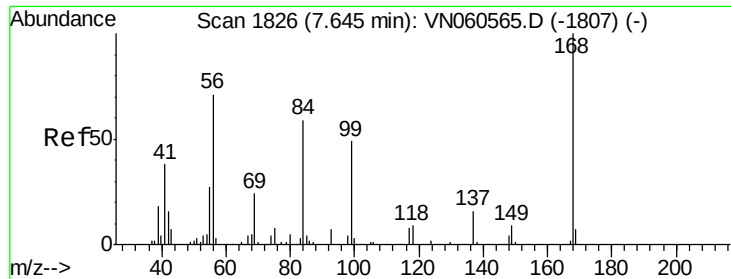
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	32948	18.833	ug/l	100
94) Hexachlorobutadiene	15.00	225	16650	19.414	ug/l	97
95) Naphthalene	15.13	128	98765	18.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	33480	19.429	ug/l	98

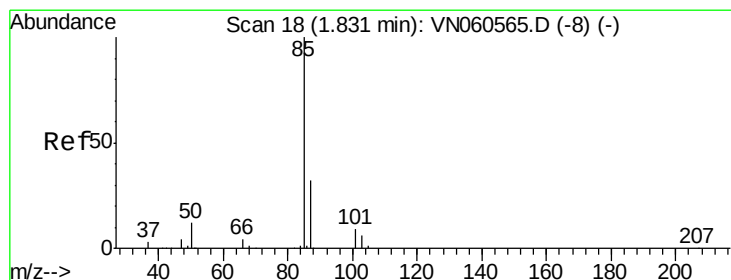
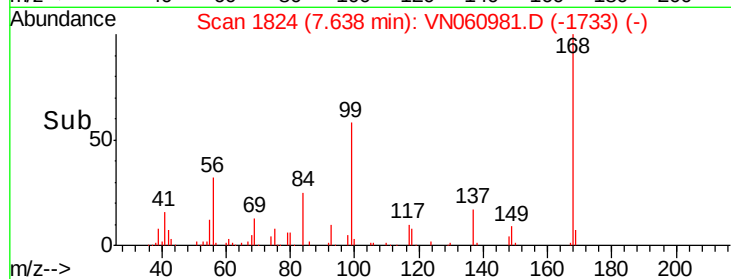
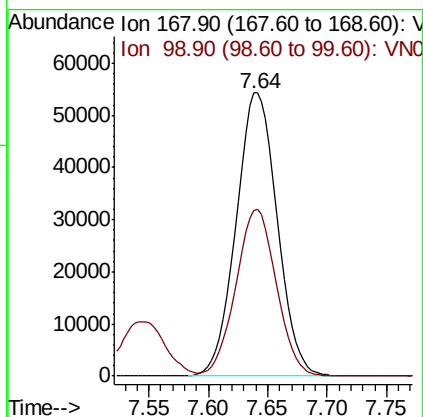
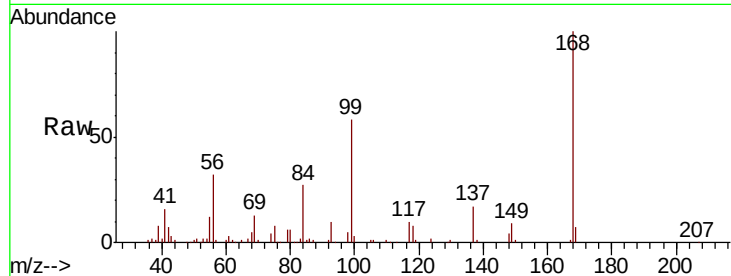
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

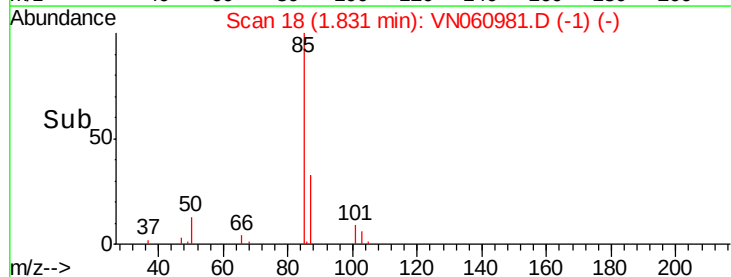
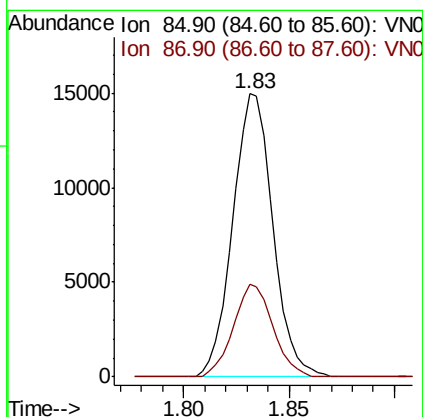
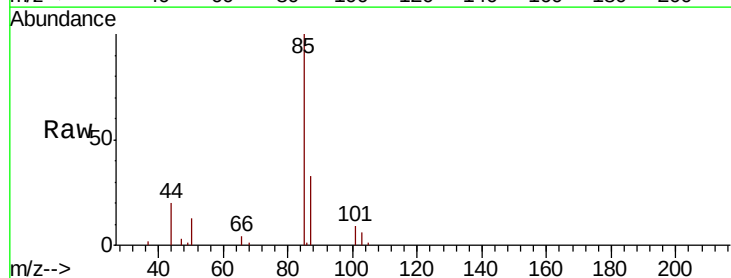
Instrument :
MSVOA_N
ClientSampleId :

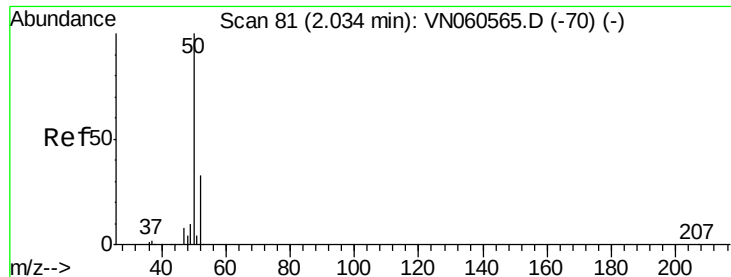
Tot Ion:168 Resp: 129817
Ion Ratio Lower Upper
168 100
99 58.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 15.715 ug/l
RT: 1.83 min Scan# 18
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 85 Resp: 19739
Ion Ratio Lower Upper
85 100
87 32.6 16.2 48.5





#3

Chloromethane

Concen: 15.722 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

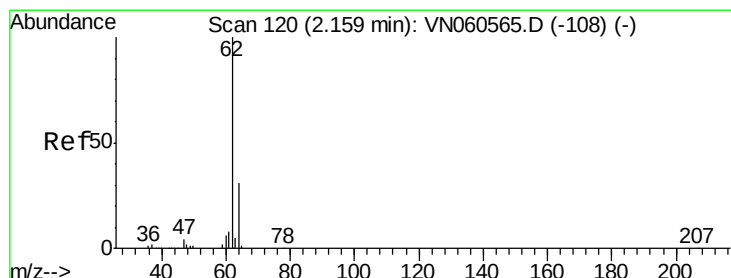
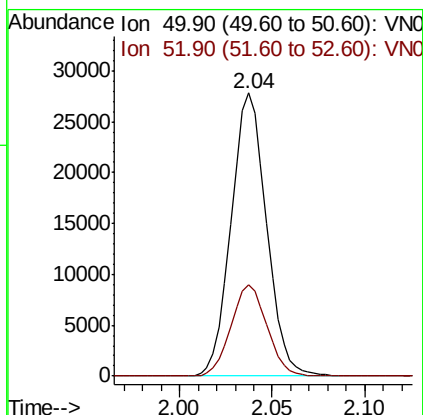
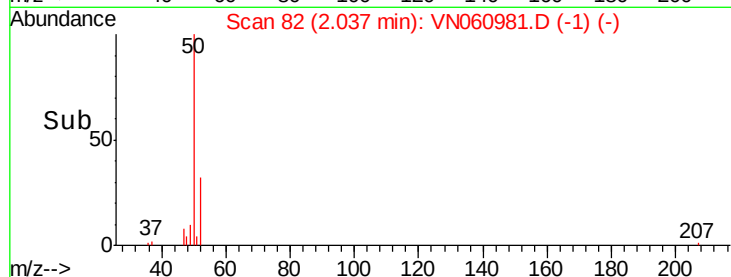
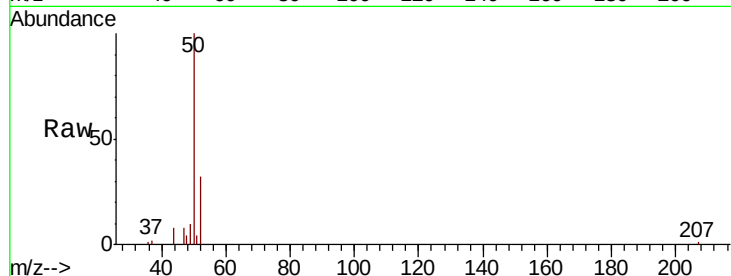
ClientSampled :

Tot Ion: 50 Resp: 36883

Ion Ratio Lower Upper

50 100

52 32.2 26.2 39.2



#4

Vinyl Chloride

Concen: 16.527 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060981.D

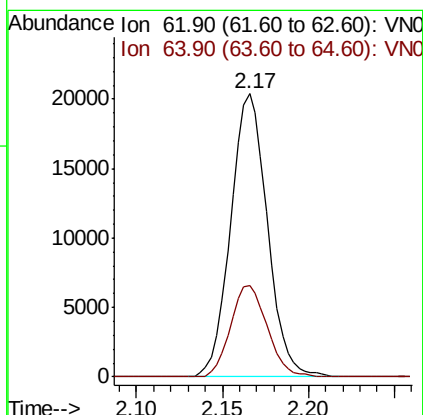
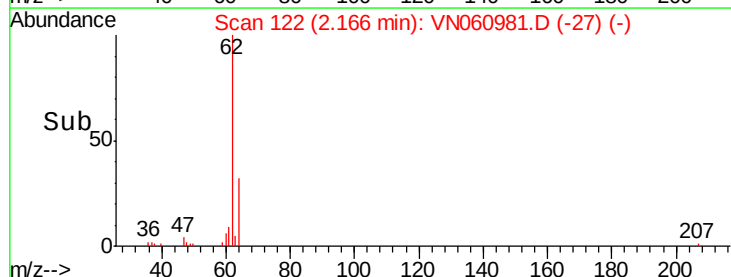
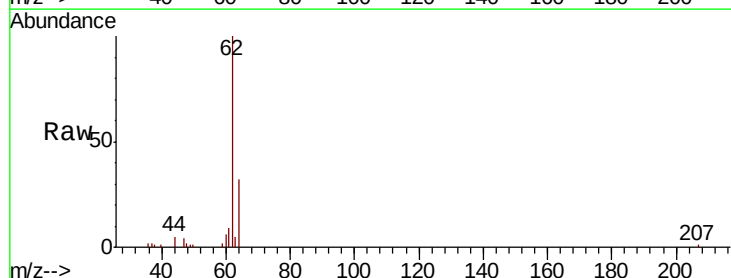
Acq: 15 Apr 2020 23:02

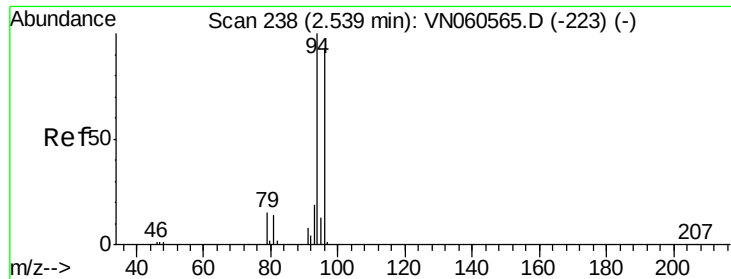
Tgt Ion: 62 Resp: 30326

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1





#5

Bromomethane

Concen: 20.251 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

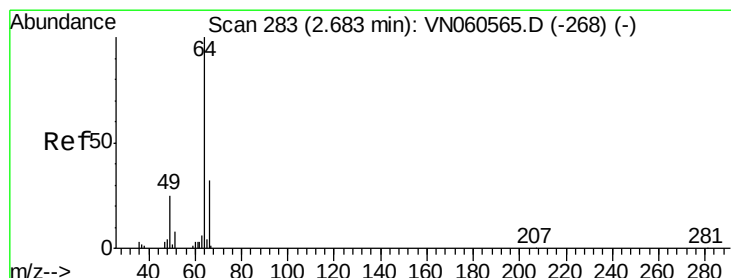
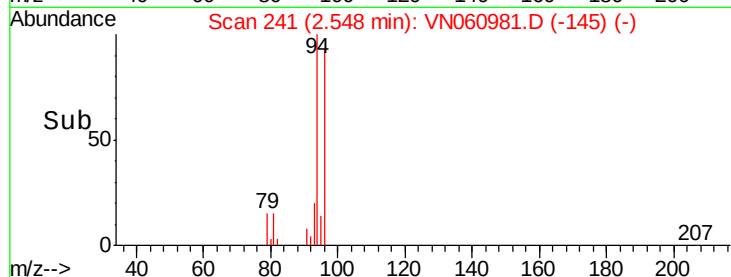
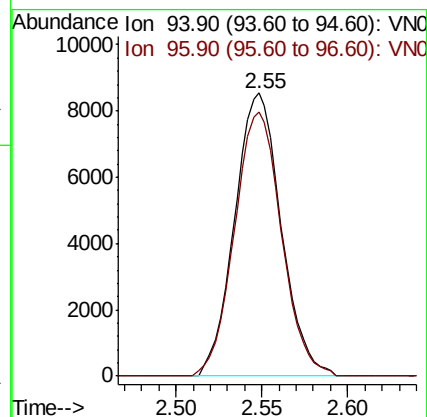
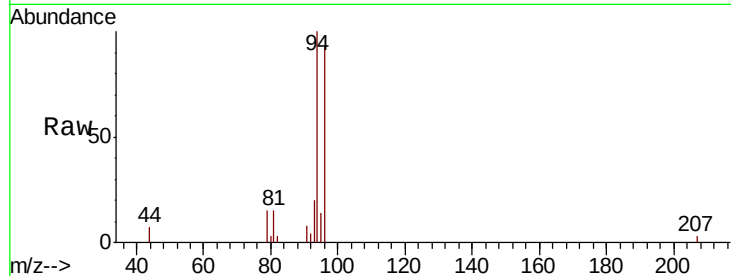
ClientSampleId :

Tot Ion: 94 Resp: 16041

Ion Ratio Lower Upper

94 100

96 93.5 74.6 112.0



#6

Chloroethane

Concen: 18.247 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060981.D

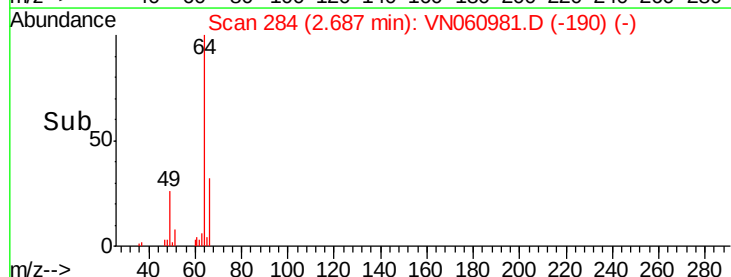
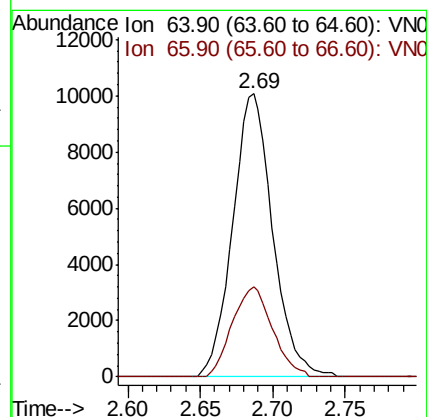
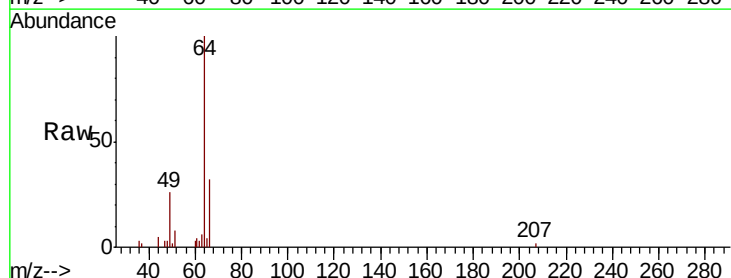
Acq: 15 Apr 2020 23:02

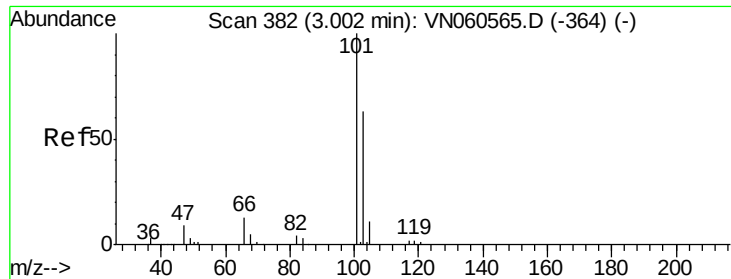
Tgt Ion: 64 Resp: 19287

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9



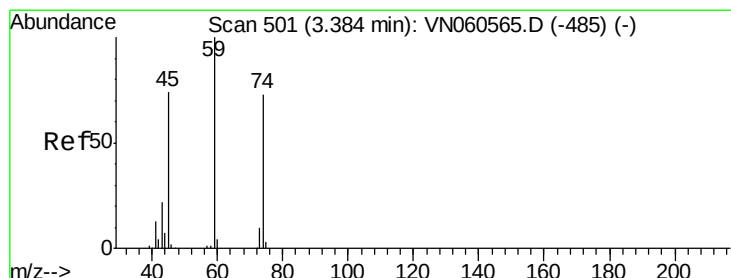
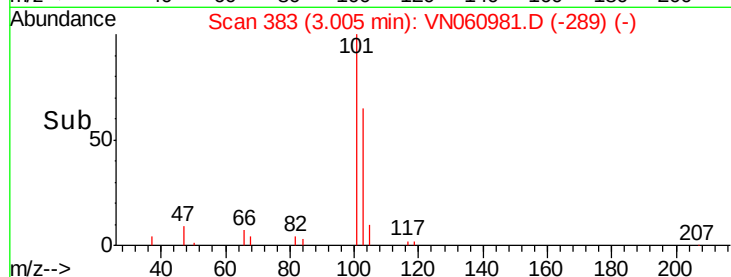
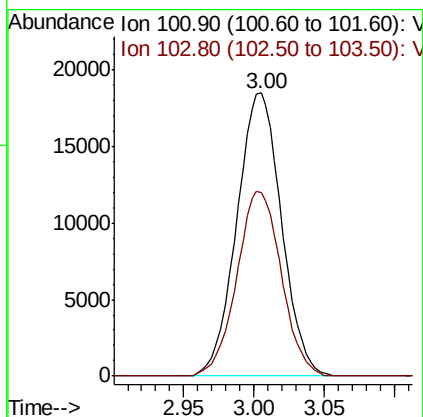
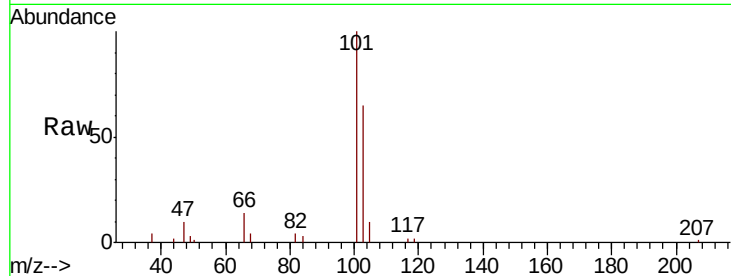


#7

Trichlorofluoromethane
 Concen: 18.122 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Instrument :
 MSVOA_N
 ClientSampled :

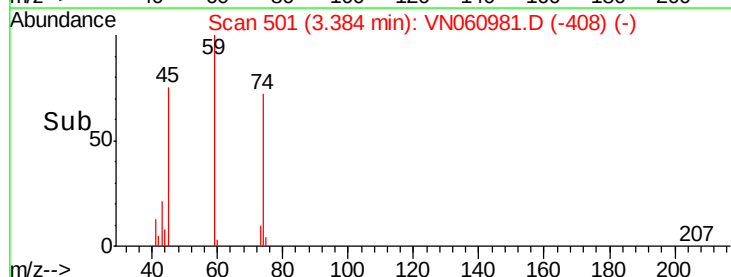
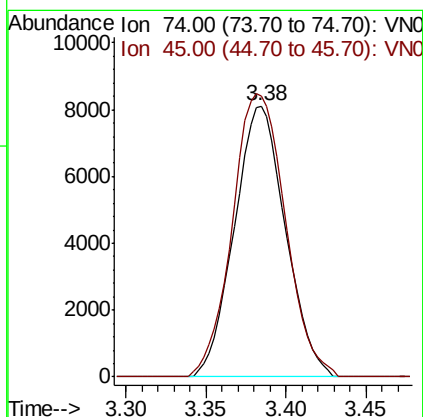
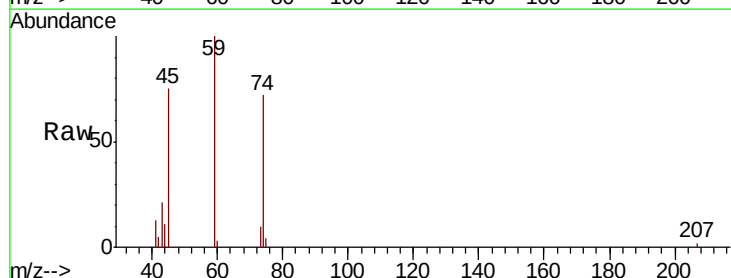
Tot Ion:101 Resp: 40963
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.6 76.0

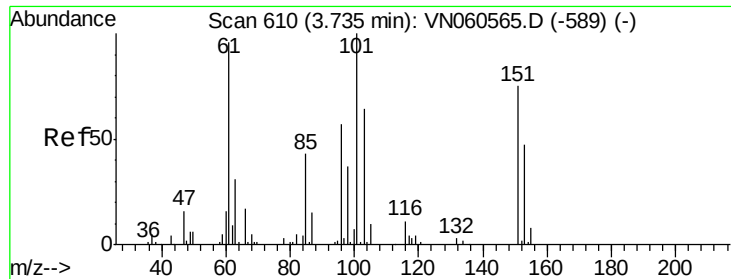


#8

Diethyl Ether
 Concen: 19.548 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion: 74 Resp: 17750
 Ion Ratio Lower Upper
 74 100
 45 108.6 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.571 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampled :

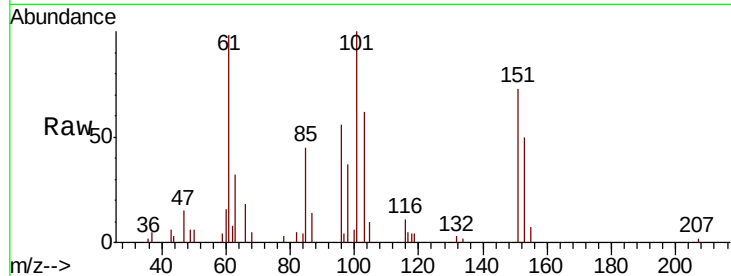
Tot Ion:101 Resp: 24323

Ion Ratio Lower Upper

101 100

85 45.5 35.6 53.4

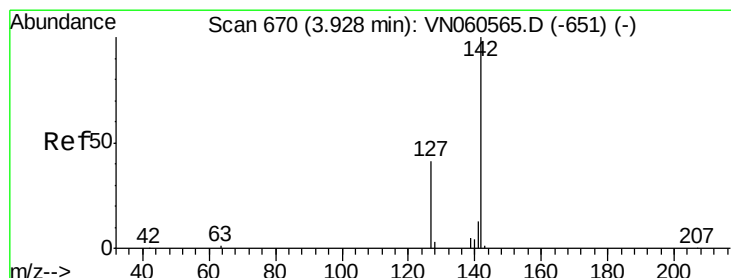
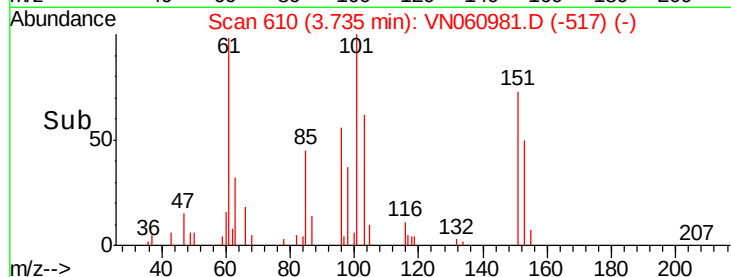
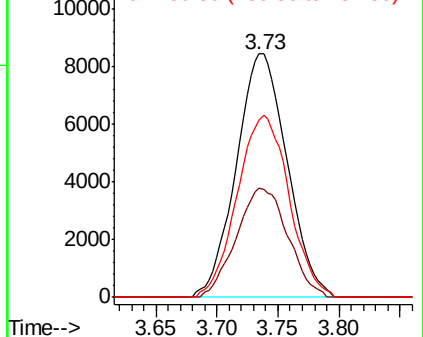
151 76.2 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.245 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

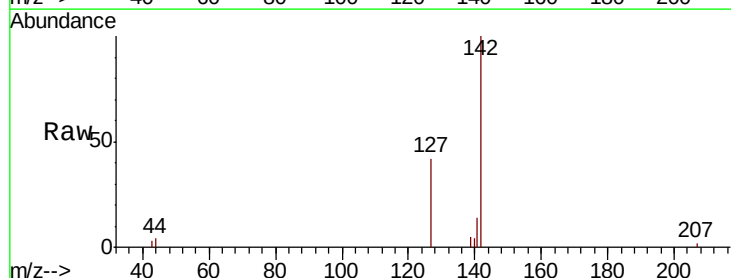
Tgt Ion:142 Resp: 17767

Ion Ratio Lower Upper

142 100

127 42.2 33.5 50.3

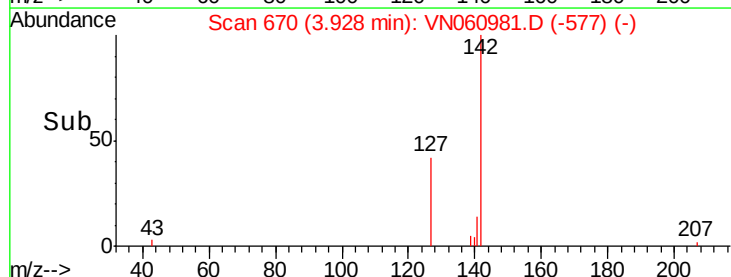
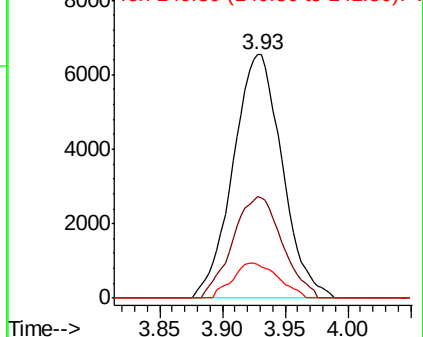
141 13.4 11.0 16.6

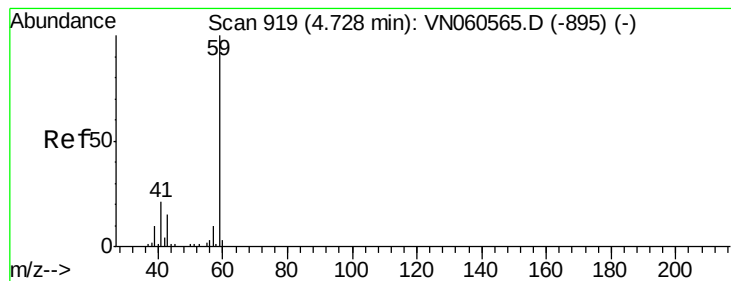


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



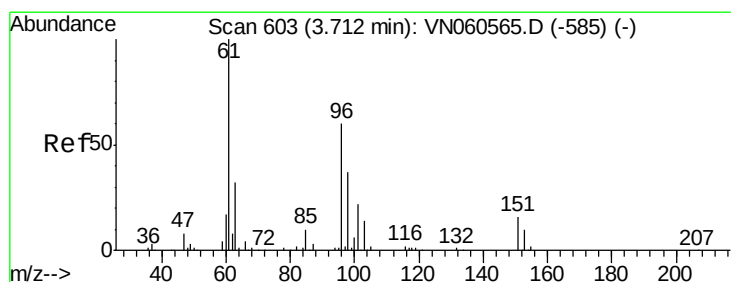
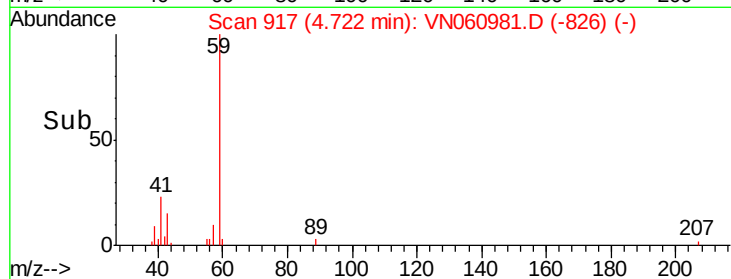
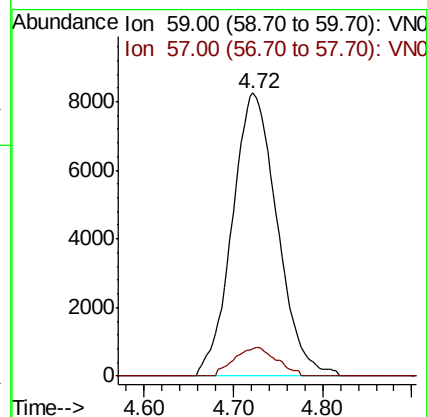
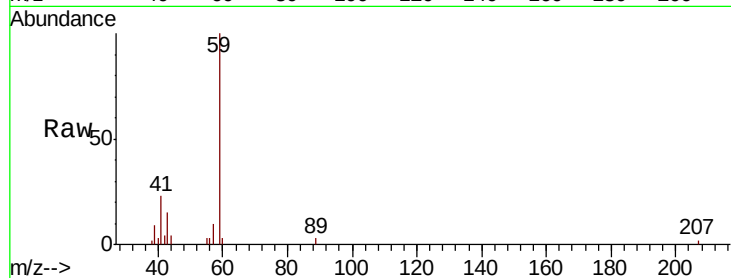


#11

Tert butyl alcohol
 Concen: 110.237 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Instrument :
 MSVOA_N
 ClientSampleId :

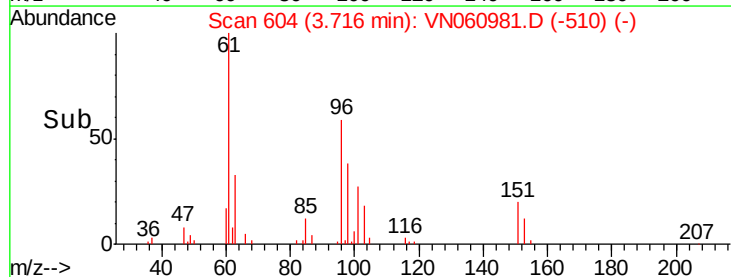
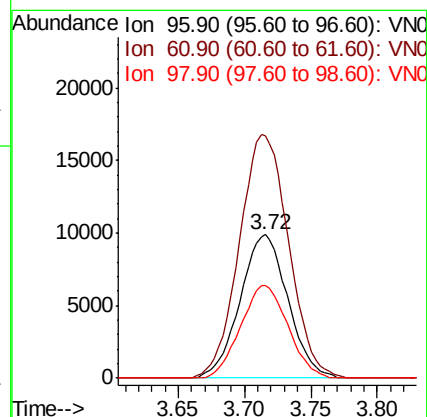
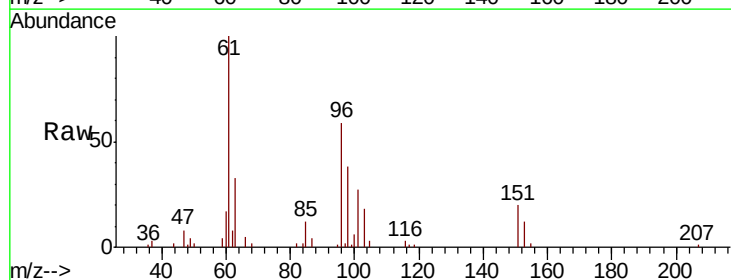
Tot Ion: 59 Resp: 28892
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.2 12.4

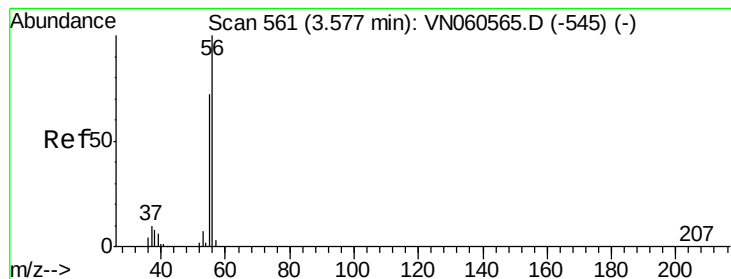


#12

1,1-Dichloroethene
 Concen: 17.628 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion: 96 Resp: 24776
 Ion Ratio Lower Upper
 96 100
 61 168.6 134.1 201.1
 98 64.5 49.9 74.9





#13

Acrolein

Concen: 76.857 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

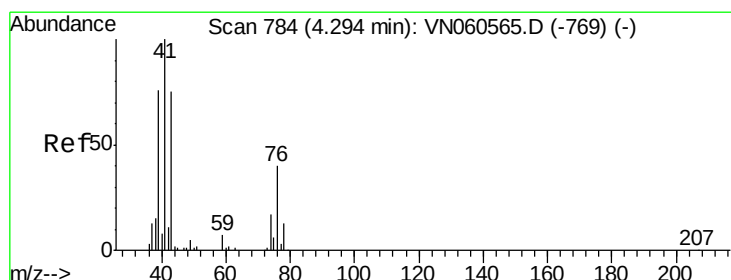
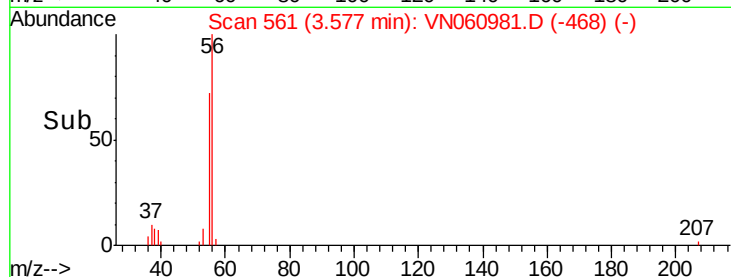
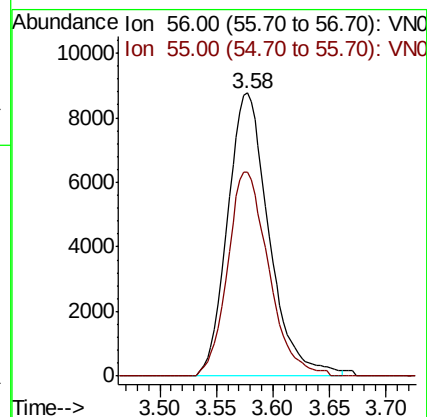
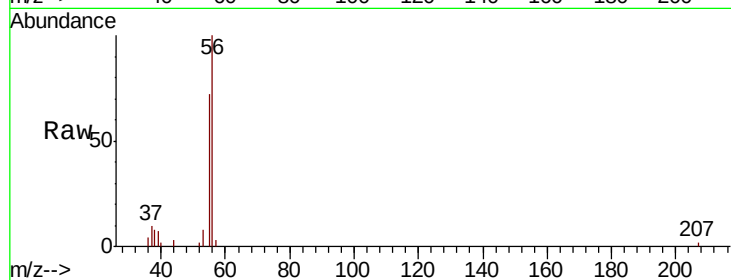
ClientSampleId :

Tot Ion: 56 Resp: 22325

Ion Ratio Lower Upper

56 100

55 71.6 56.7 85.1



#14

Allyl chloride

Concen: 19.355 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

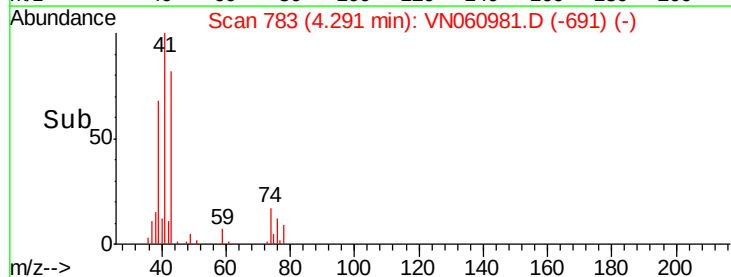
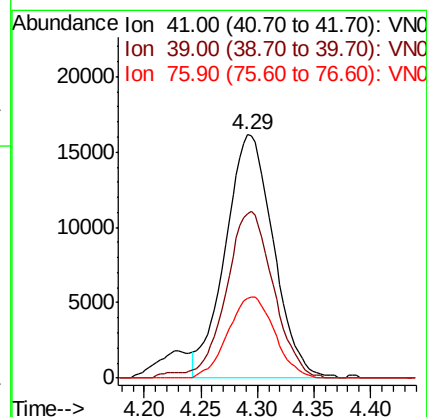
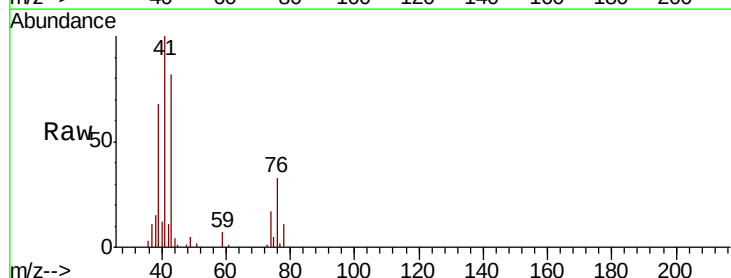
Tgt Ion: 41 Resp: 47846

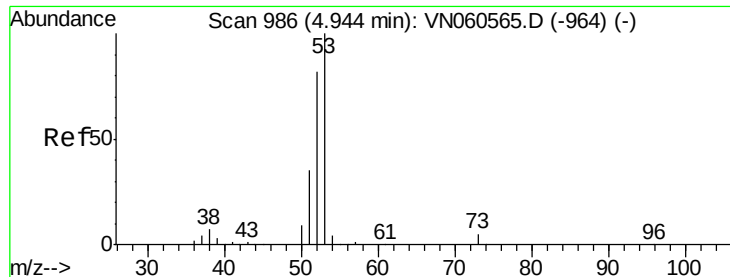
Ion Ratio Lower Upper

41 100

39 67.0 57.8 86.8

76 32.3 28.6 43.0





#15

Acrylonitrile

Concen: 106.589 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampled :

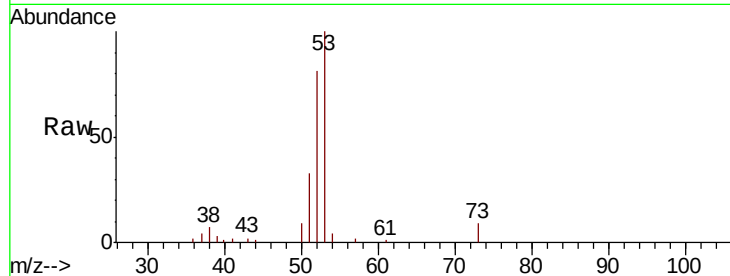
Tot Ion: 53 Resp: 82148

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.4

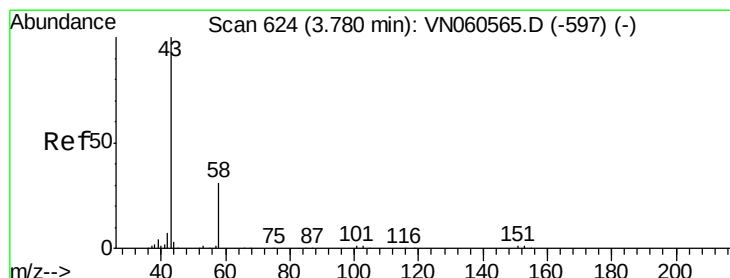
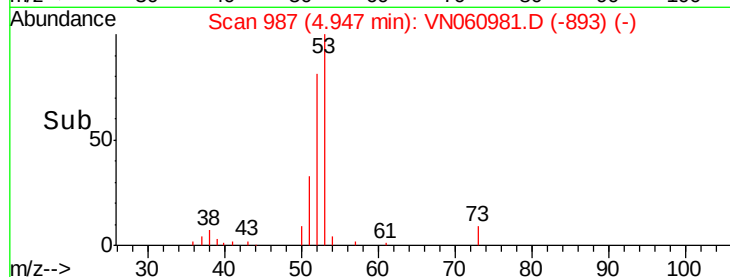
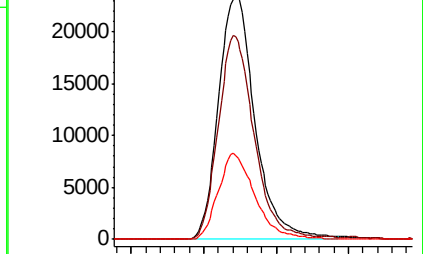
51 35.2 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060981.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060981.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060981.D (-893) (-)



#16

Acetone

Concen: 105.799 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060981.D

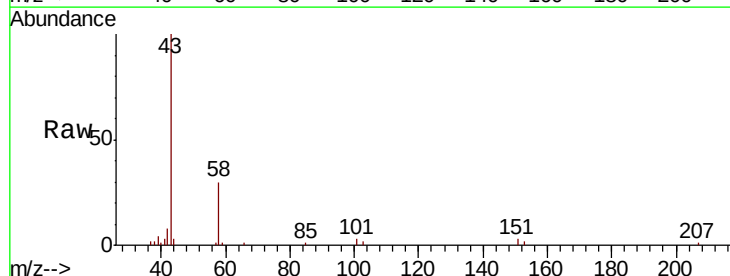
Acq: 15 Apr 2020 23:02

Tgt Ion: 43 Resp: 66786

Ion Ratio Lower Upper

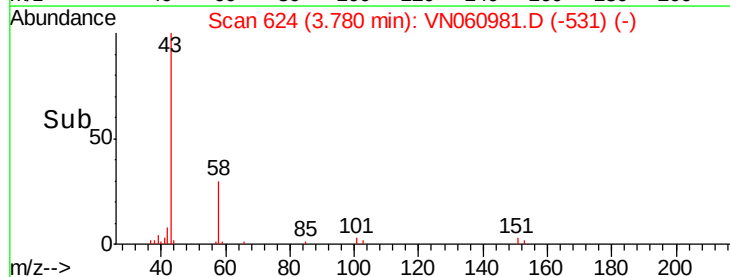
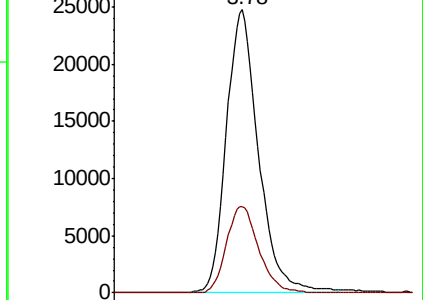
43 100

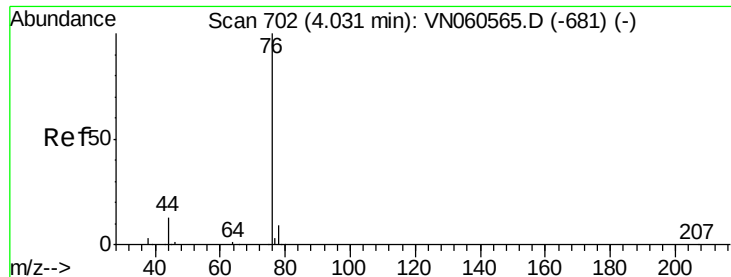
58 30.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060981.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060981.D (-531) (-)





#17

Carbon Disulfide

Concen: 15.435 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

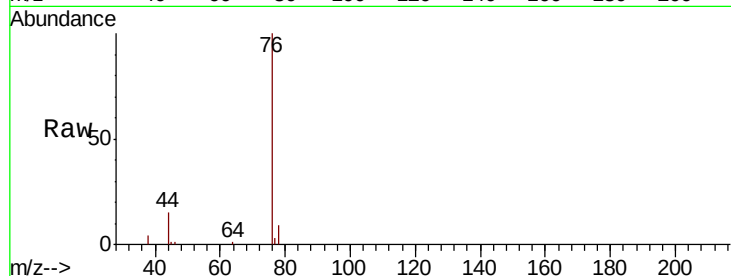
ClientSampled :

Tot Ion: 76 Resp: 65979

Ion Ratio Lower Upper

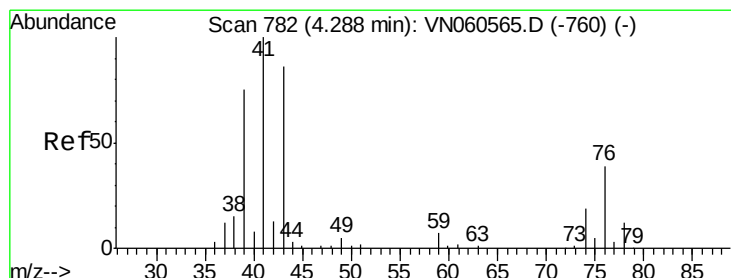
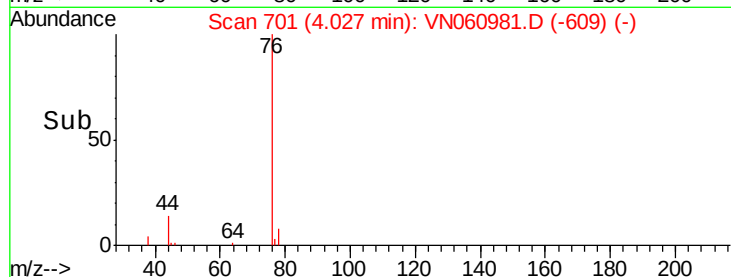
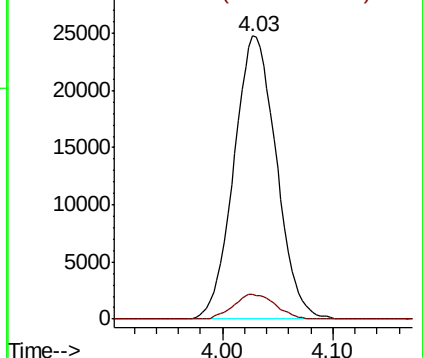
76 100

78 8.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.549 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060981.D

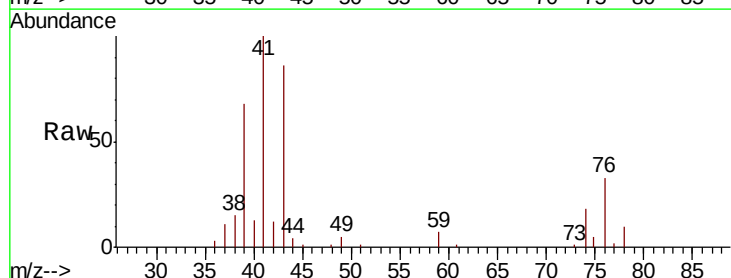
Acq: 15 Apr 2020 23:02

Tgt Ion: 43 Resp: 40066

Ion Ratio Lower Upper

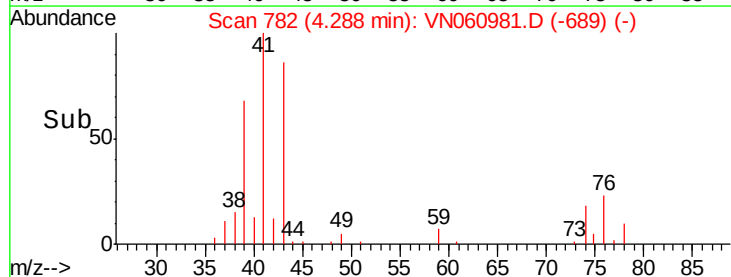
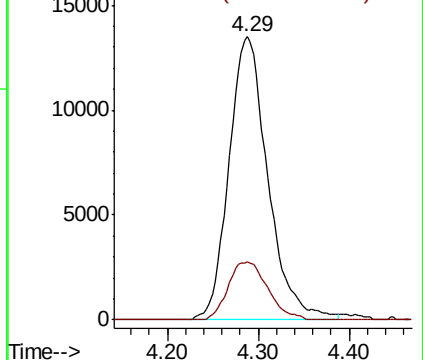
43 100

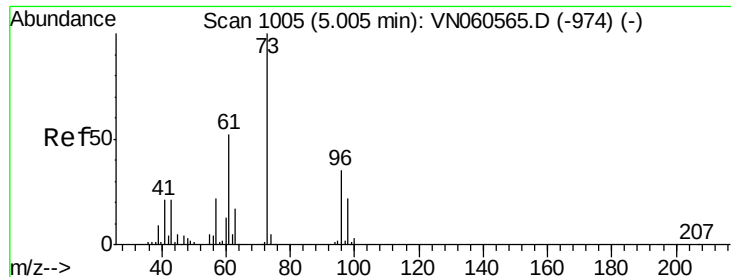
74 20.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

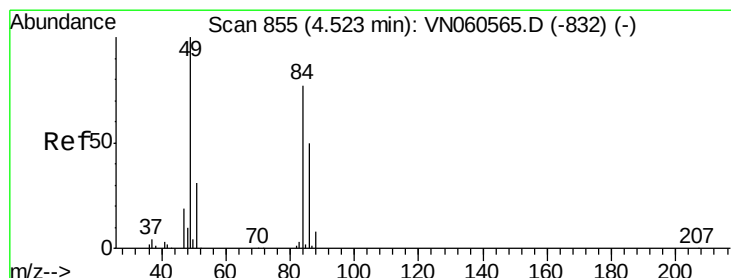
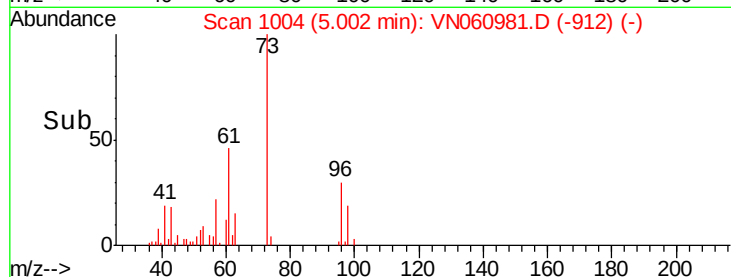
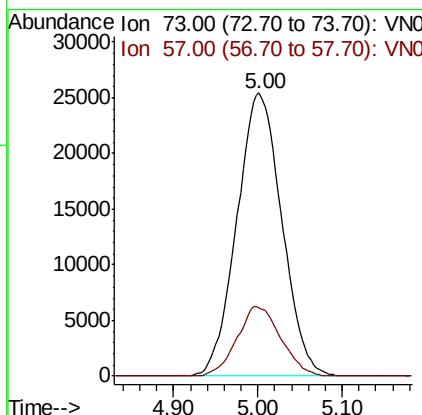
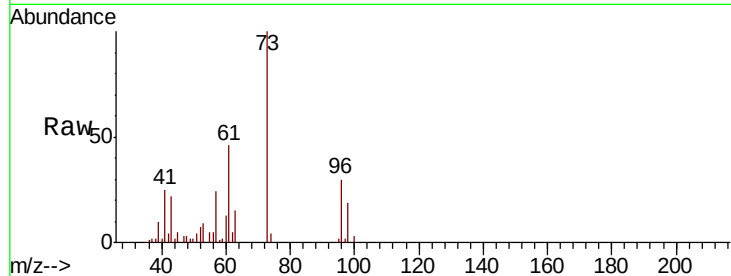




#19
Methvl tert-butvl Ether
Concen: 19.491 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

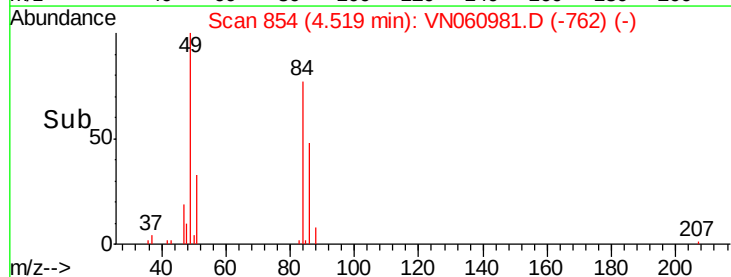
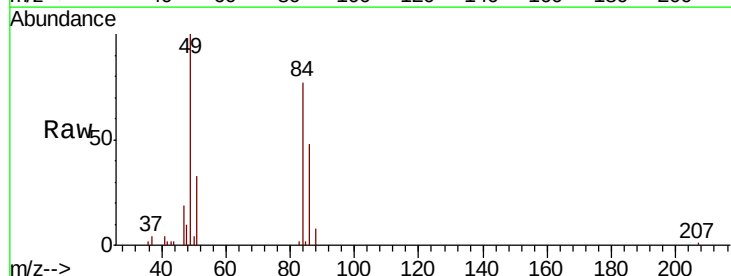
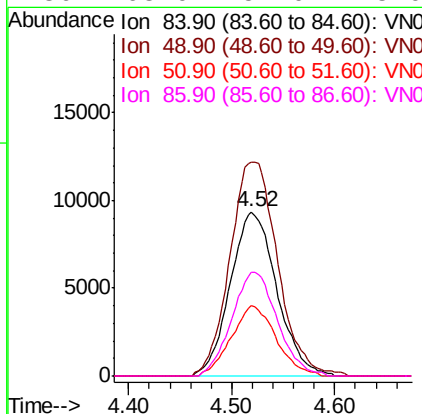
Instrument :
MSVOA_N
ClientSampled :

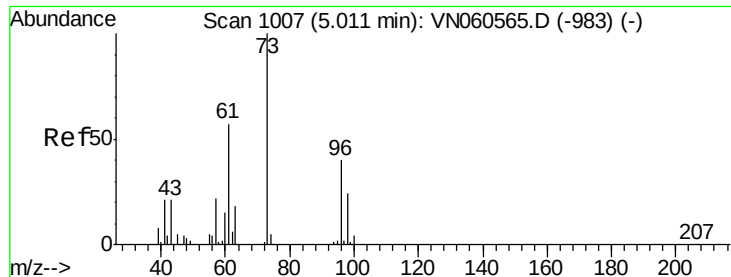
Tot Ion: 73 Resp: 94185
Ion Ratio Lower Upper
73 100
57 24.2 17.5 26.3



#20
Methylene Chloride
Concen: 18.877 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 84 Resp: 29314
Ion Ratio Lower Upper
84 100
49 130.1 103.3 154.9
51 43.1 31.6 47.4
86 63.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 17.908 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

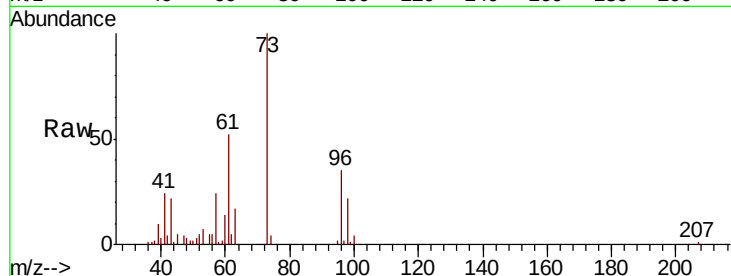
Tot Ion: 96 Resp: 26825

Ion Ratio Lower Upper

96 100

61 149.3 114.4 171.6

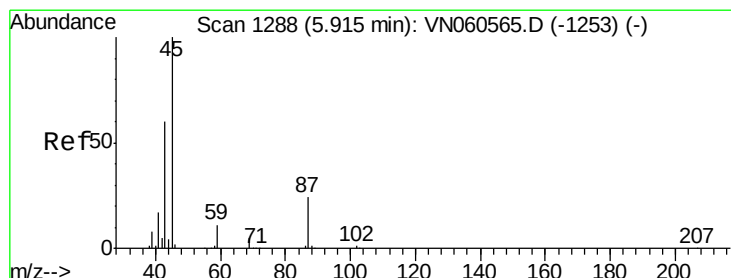
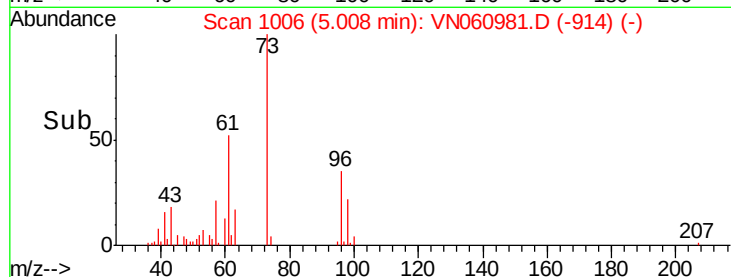
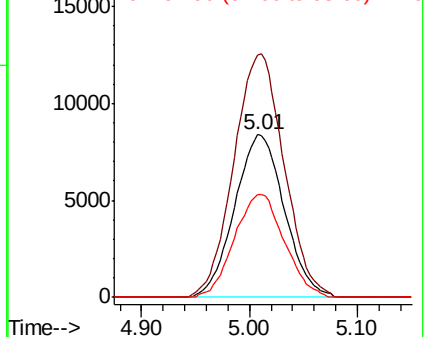
98 63.3 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060981.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060981.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060981.D (-914) (-)



#22

Diisopropyl ether

Concen: 21.070 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Tgt Ion: 45 Resp: 110037

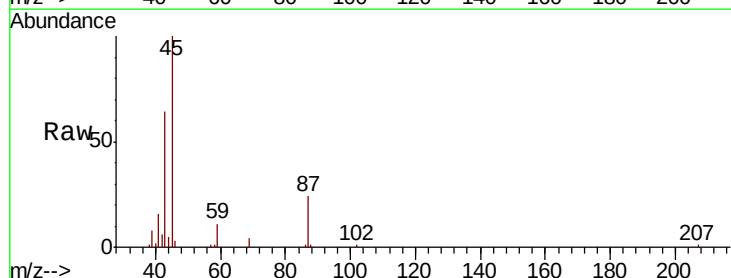
Ion Ratio Lower Upper

45 100

43 61.7 49.8 74.8

87 24.2 20.1 30.1

59 11.3 9.2 13.8

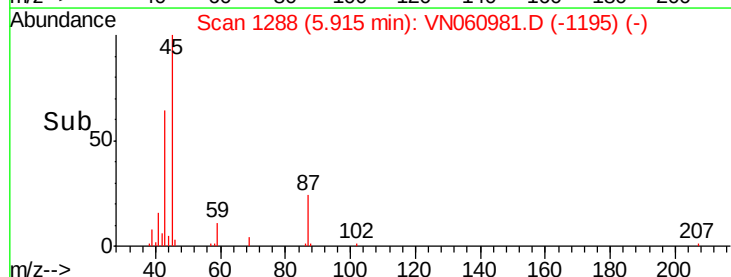
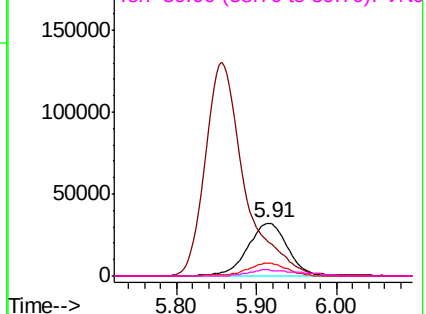


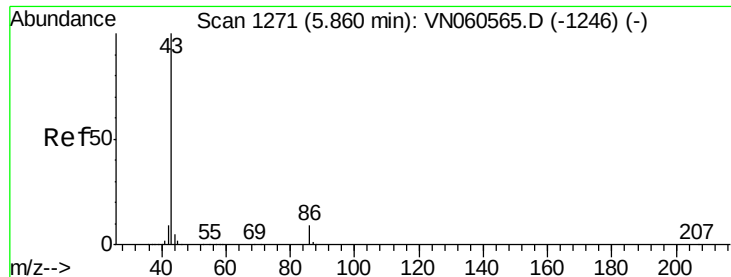
Abundance Ion 45.00 (44.70 to 45.70): VN060981.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VN060981.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060981.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060981.D (-1195) (-)





#23

Vinyl Acetate

Concen: 103.398 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

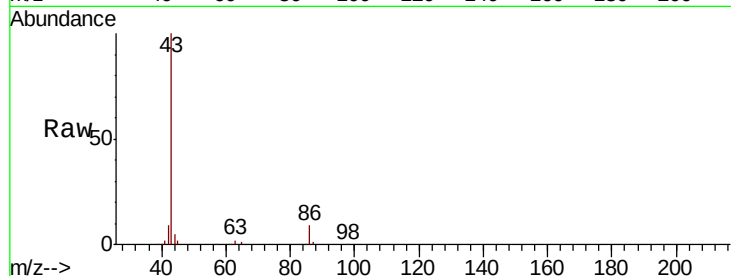
ClientSampled :

Tot Ion: 43 Resp: 440596

Ion Ratio Lower Upper

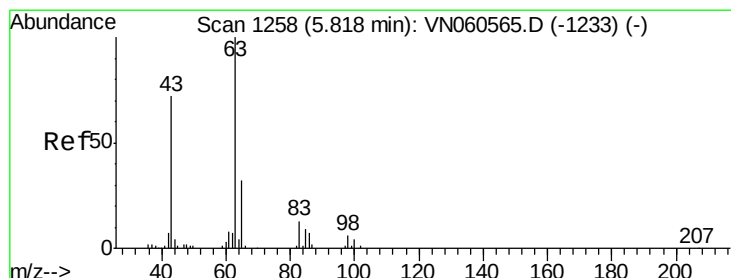
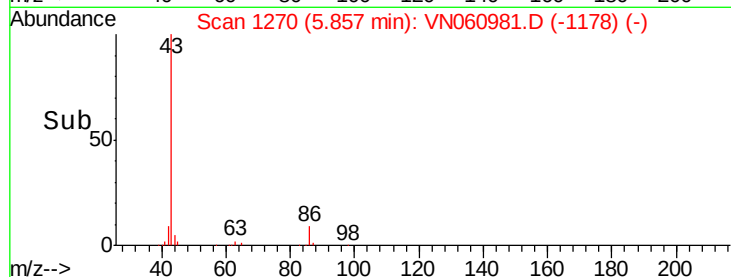
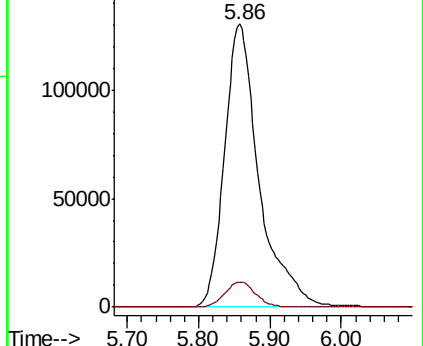
43 100

86 8.8 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060981.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060981.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 19.783 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

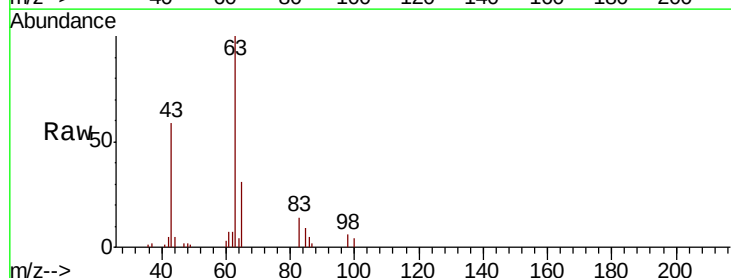
Tgt Ion: 63 Resp: 56323

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

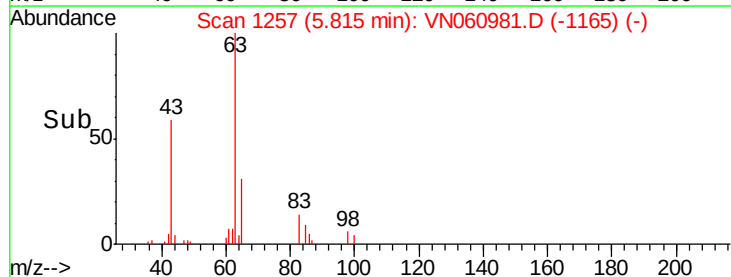
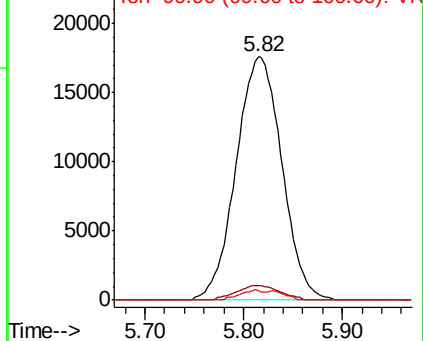
100 4.0 1.8 5.5

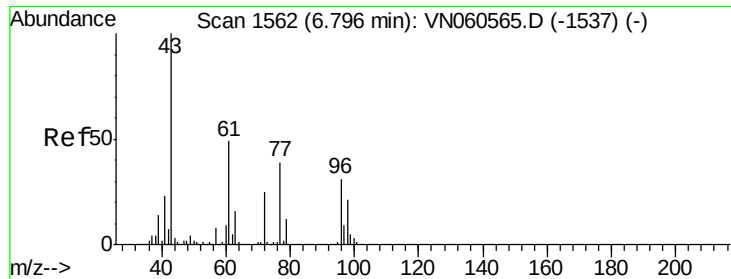


Abundance Ion 62.90 (62.60 to 63.60): VN060981.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060981.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060981.D (-1165) (-)

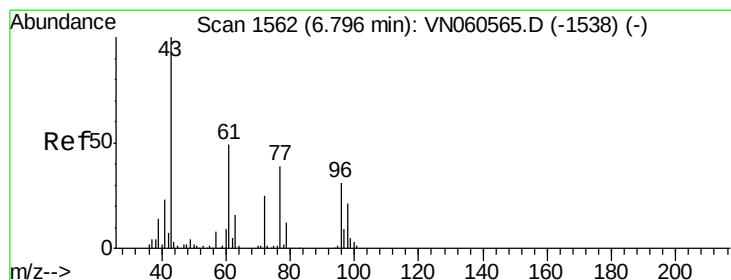
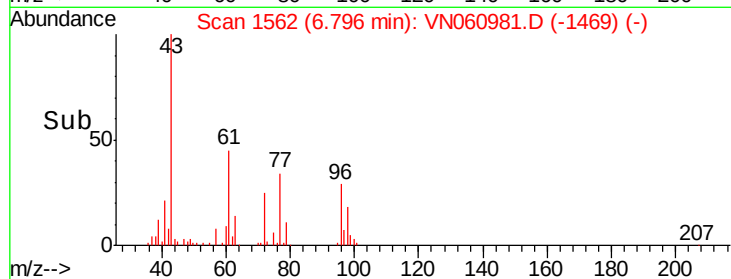
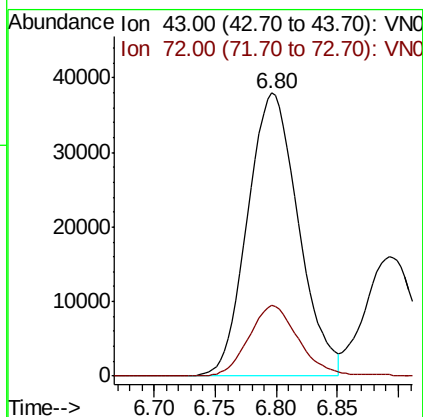
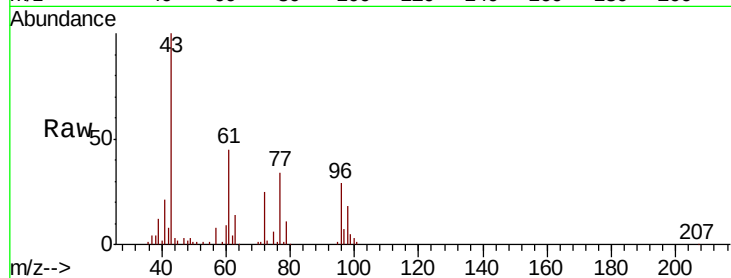




#25
2-Butanone
Concen: 107.661 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

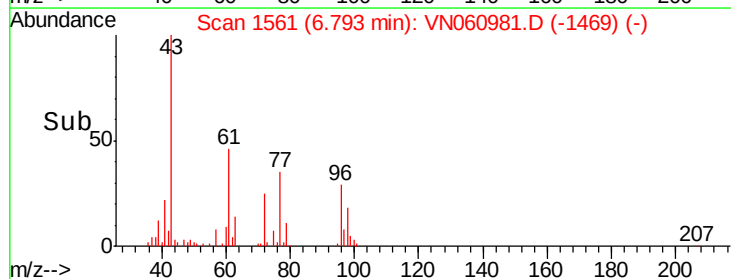
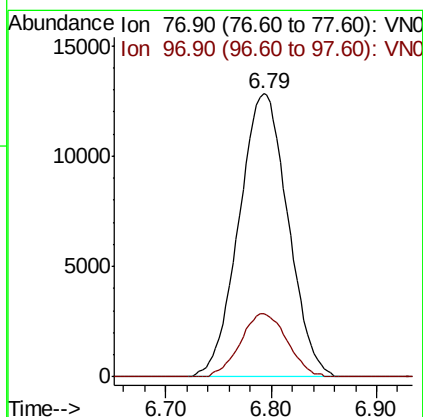
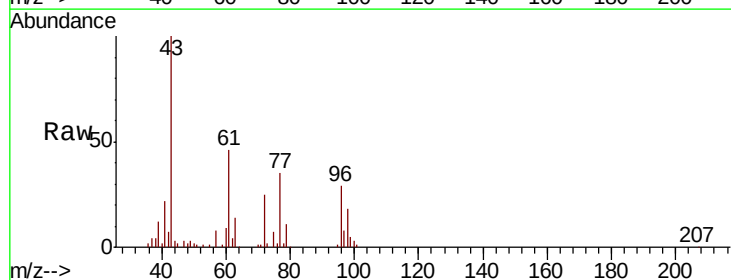
Instrument :
MSVOA_N
ClientSampled :

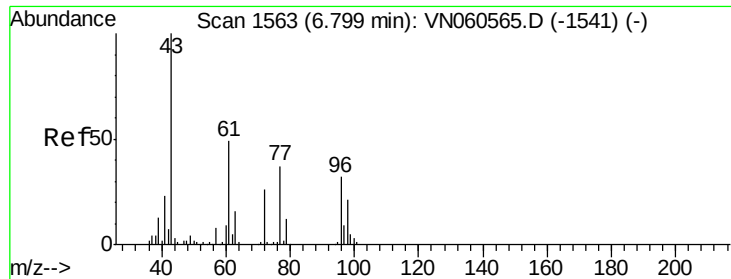
Tot Ion: 43 Resp: 109973
Ion Ratio Lower Upper
43 100
72 24.9 20.4 30.6



#26
2,2-Dichloropropane
Concen: 18.514 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 77 Resp: 41473
Ion Ratio Lower Upper
77 100
97 21.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.976 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

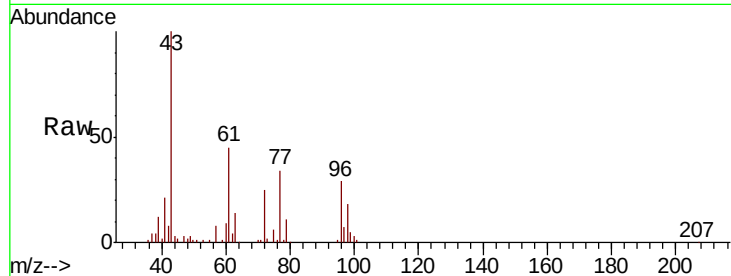
Tot Ion: 96 Resp: 32302

Ion Ratio Lower Upper

96 100

61 155.4 0.0 305.6

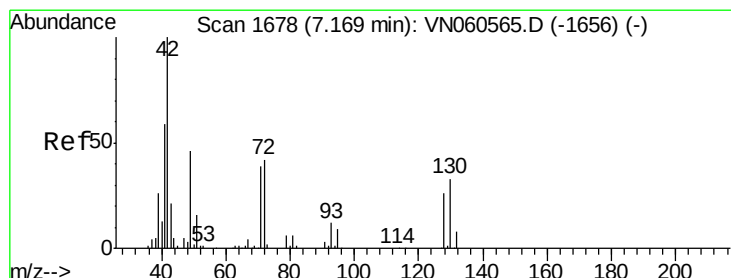
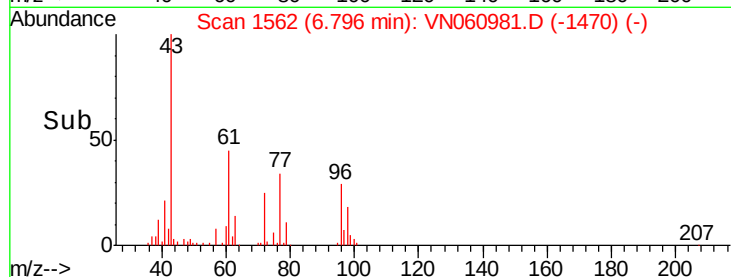
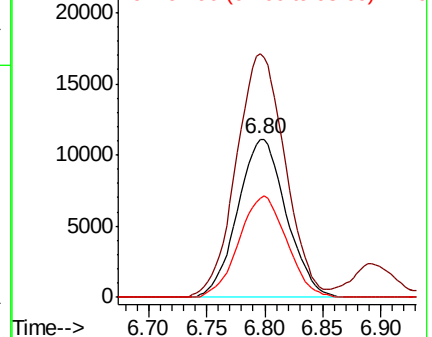
98 63.1 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060981.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060981.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060981.D (-1470) (-)



#28

Bromochloromethane

Concen: 21.387 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

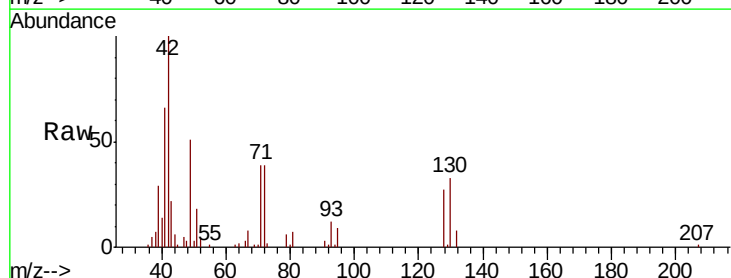
Tgt Ion: 49 Resp: 29133

Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.4

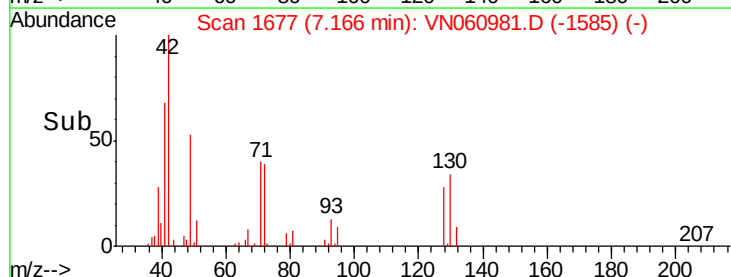
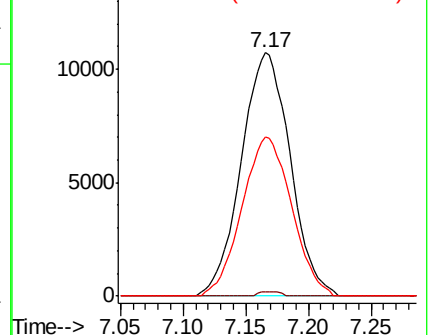
130 66.2 55.0 82.4

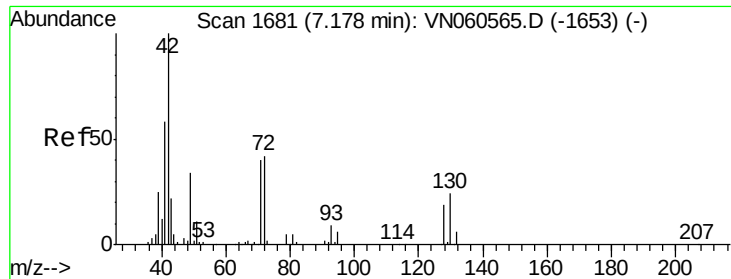


Abundance Ion 48.90 (48.60 to 49.60): VN060981.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060981.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060981.D (-1585) (-)

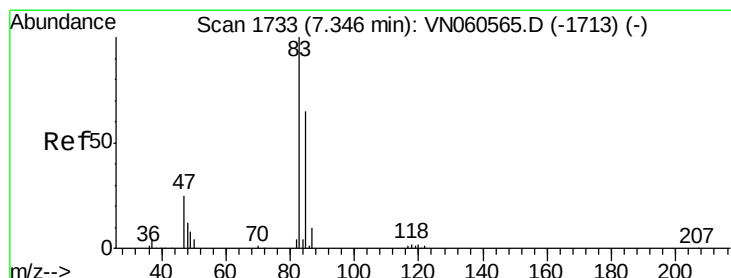
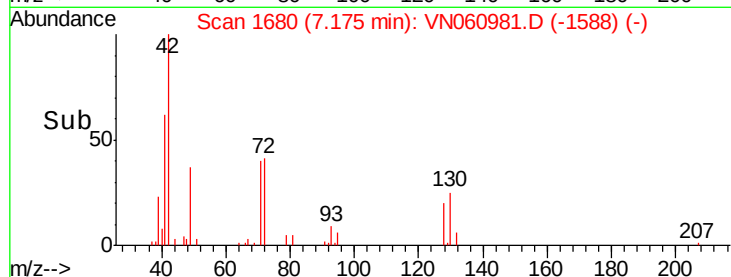
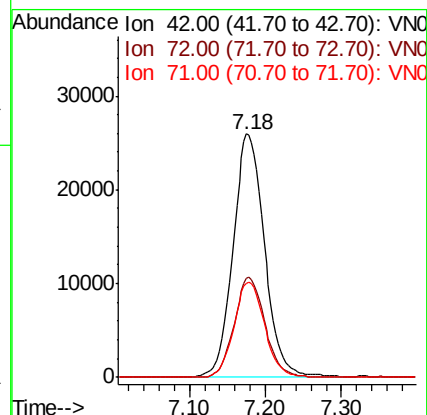
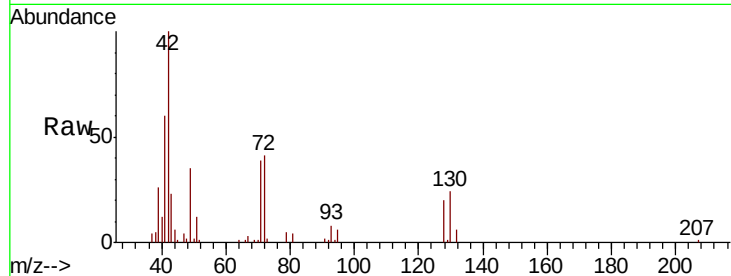




#29
Tetrahydrofuran
Concen: 103.366 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

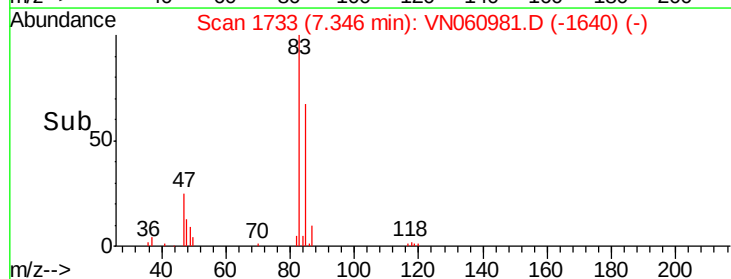
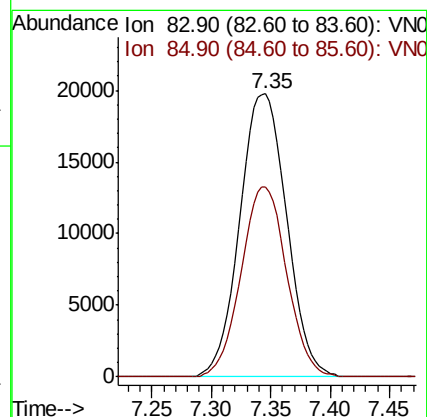
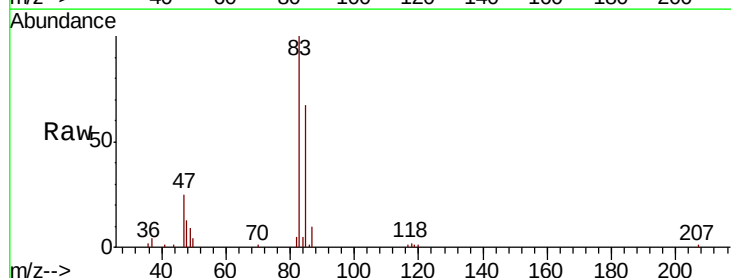
Instrument :
MSVOA_N
ClientSampled :

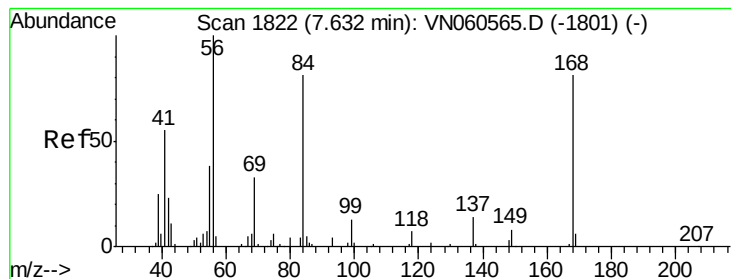
Tot Ion: 42 Resp: 74706
Ion Ratio Lower Upper
42 100
72 40.0 33.2 49.8
71 38.0 31.1 46.7



#30
Chloroform
Concen: 19.769 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 83 Resp: 53957
Ion Ratio Lower Upper
83 100
85 67.0 51.8 77.8





#31

Cyclohexane

Concen: 17.698 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampled :

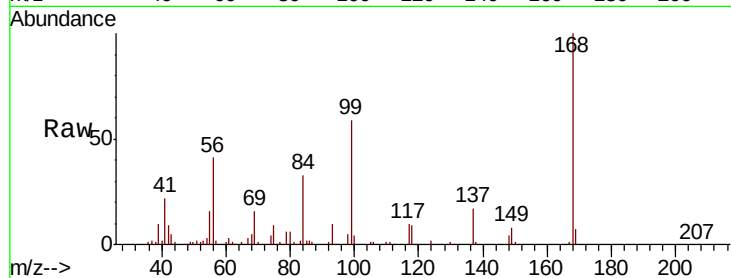
Tot Ion: 56 Resp: 50797

Ion Ratio Lower Upper

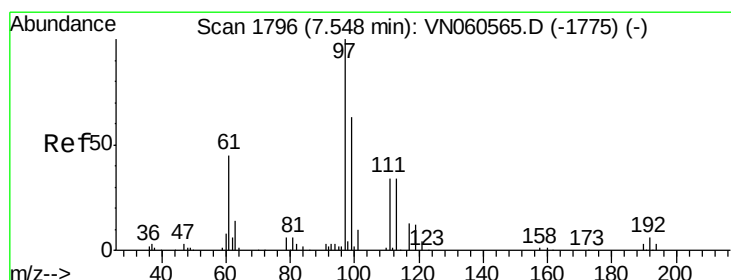
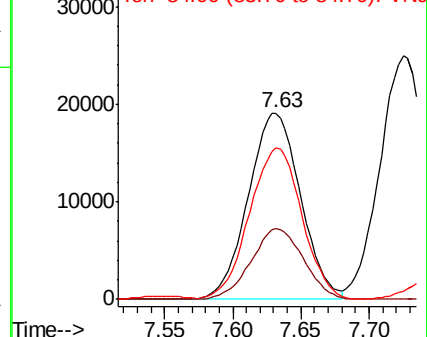
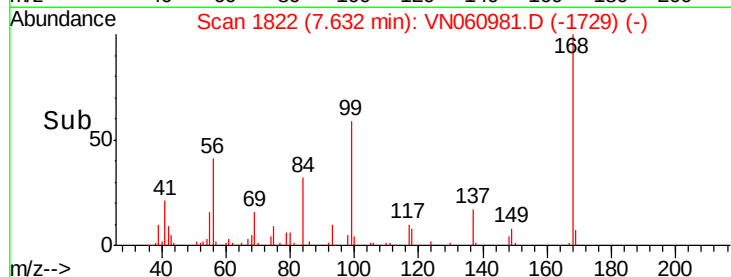
56 100

69 38.0 26.6 40.0

84 80.3 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060981.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 19.266 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

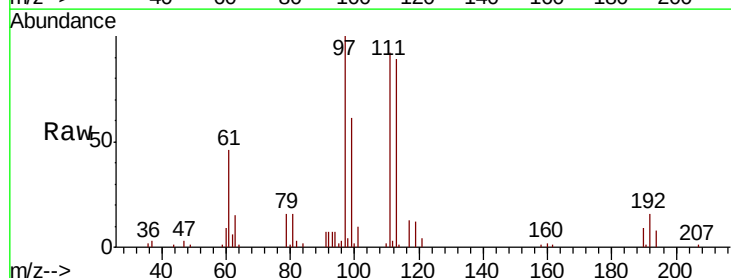
Tgt Ion: 97 Resp: 45331

Ion Ratio Lower Upper

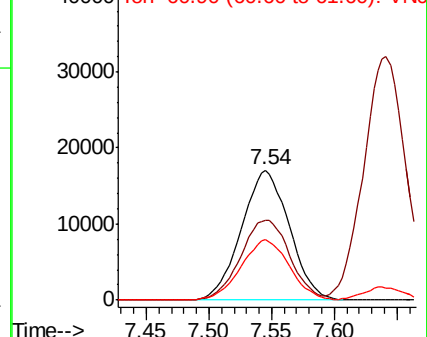
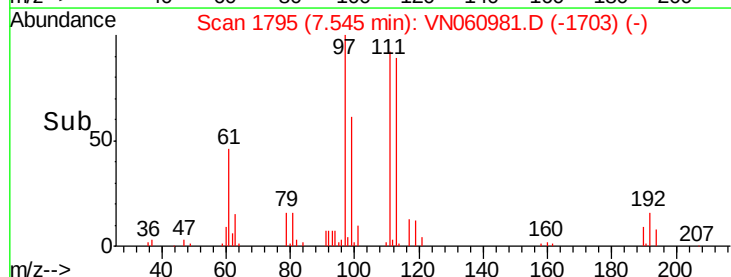
97 100

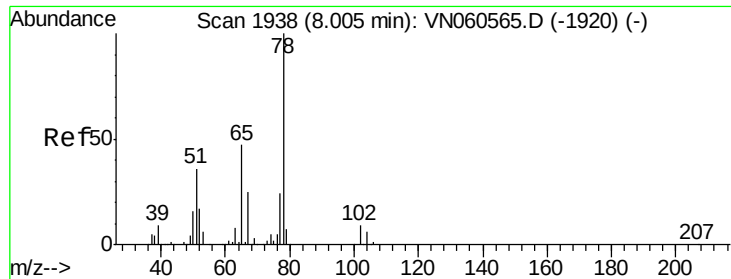
99 63.3 50.6 75.8

61 47.0 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN060981.D (-1703) (-)

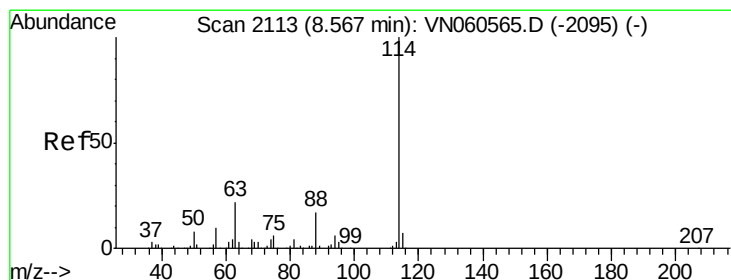
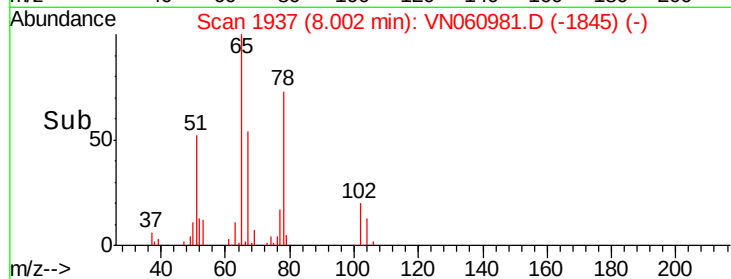
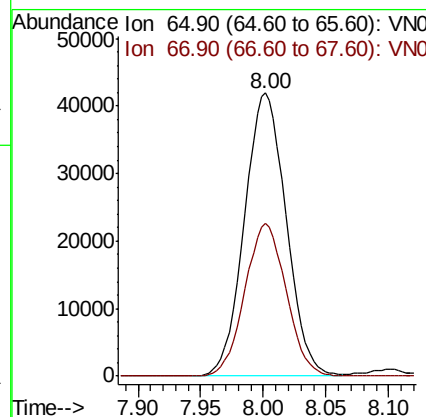
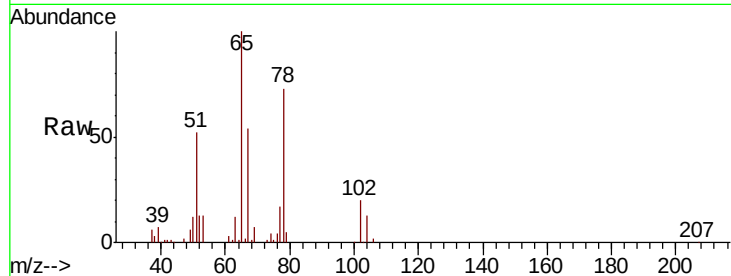




#33
 1,2-Dichloroethane-d4
 Concen: 54.510 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

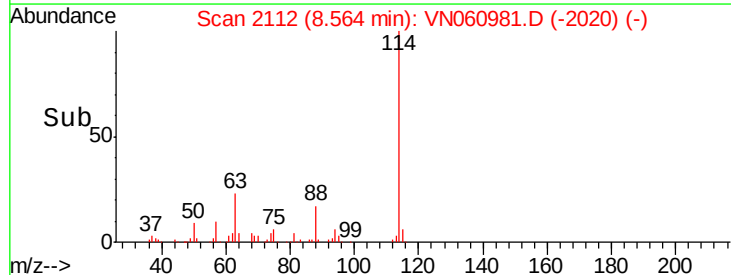
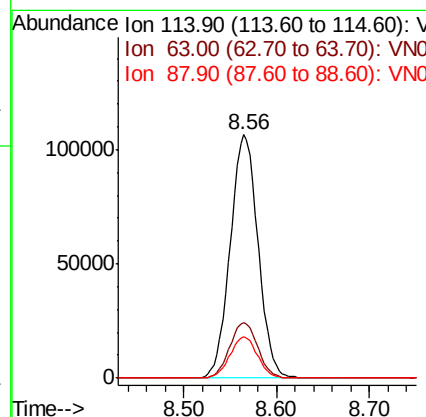
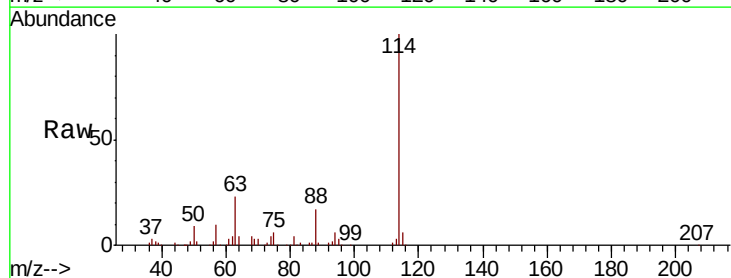
Instrument :
 MSVOA_N
 ClientSampleId :

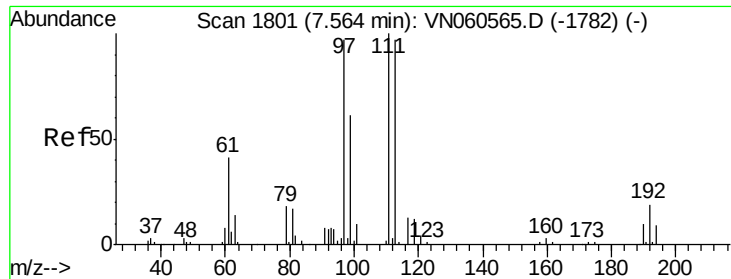
Tot Ion: 65 Resp: 97142
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion: 114 Resp: 221694
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.8
 88 17.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.728 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :

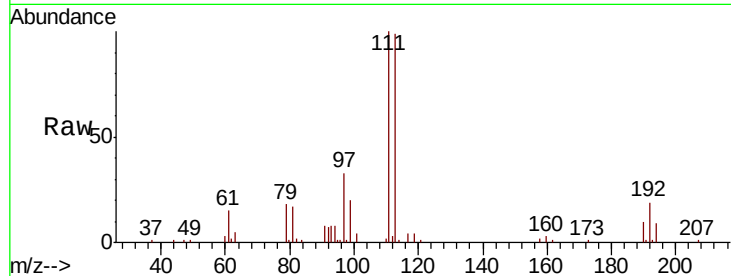
Tot Ion:113 Resp: 72023

Ion Ratio Lower Upper

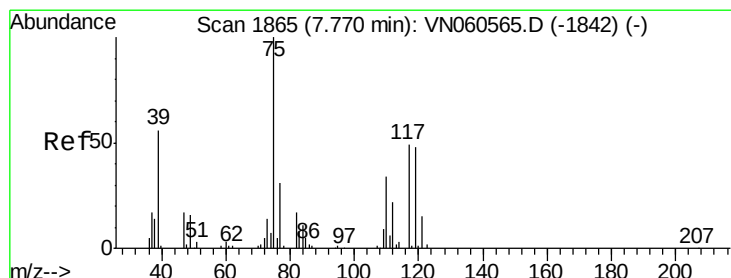
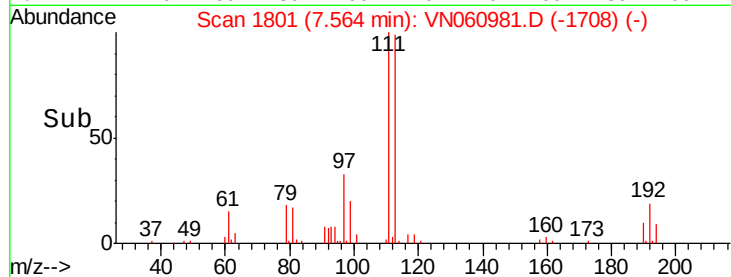
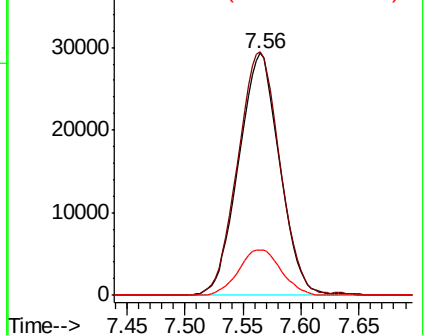
113 100

111 103.1 82.9 124.3

192 19.5 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: 18.520 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

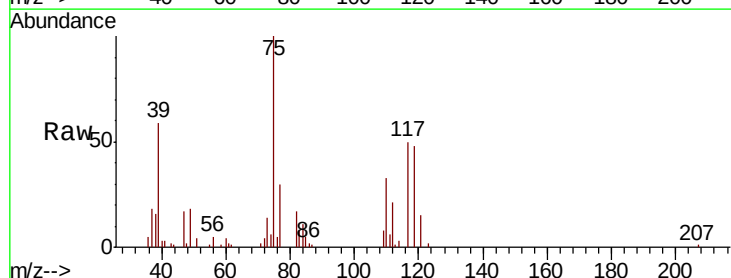
Tgt Ion: 75 Resp: 39757

Ion Ratio Lower Upper

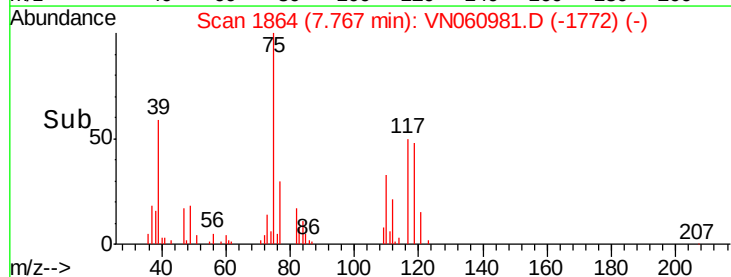
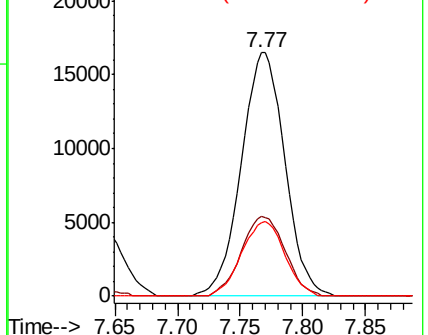
75 100

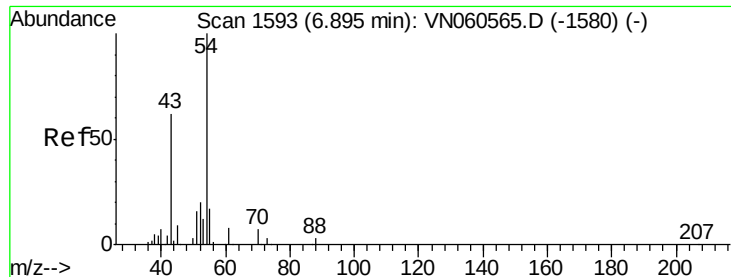
110 32.8 16.9 50.6

77 30.4 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

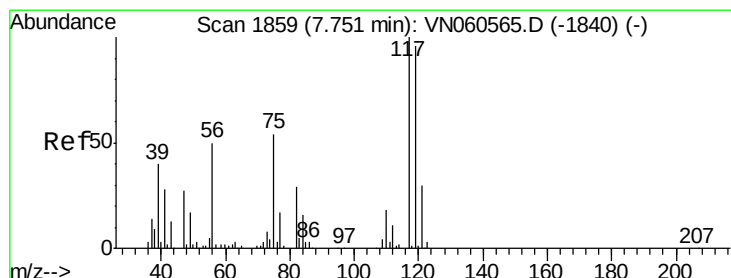
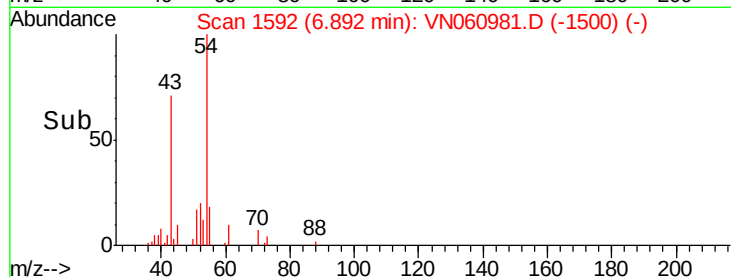
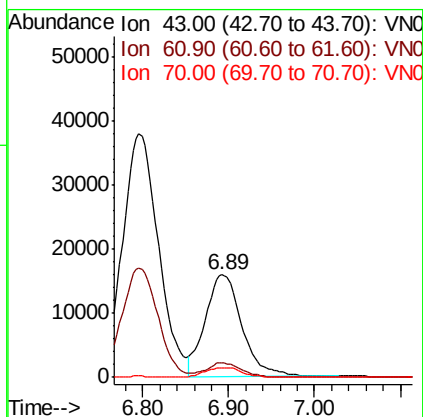
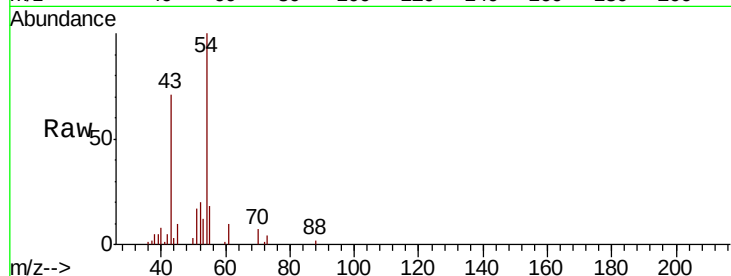




#37
Ethyl Acetate
Concen: 20.501 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

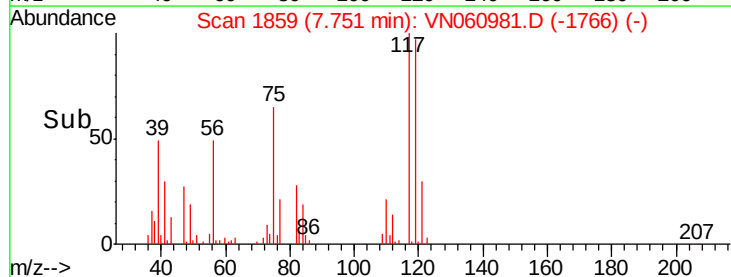
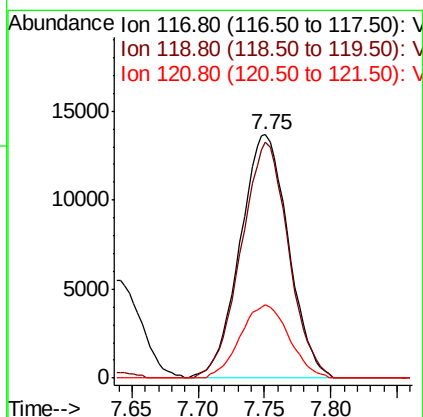
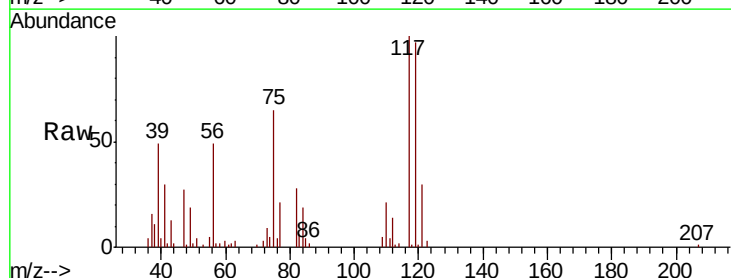
Instrument :
MSVOA_N
ClientSampled :

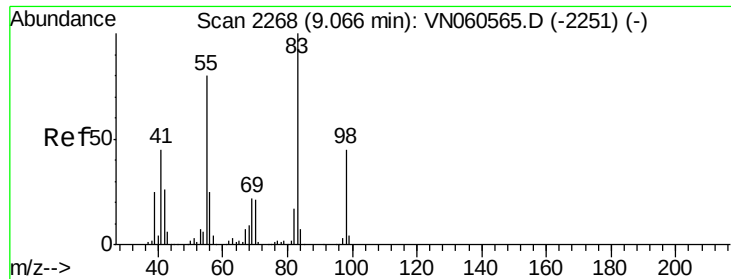
Tot Ion: 43 Resp: 47552
Ion Ratio Lower Upper
43 100
61 13.4 10.6 15.8
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 18.056 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 117 Resp: 34739
Ion Ratio Lower Upper
117 100
119 96.9 76.2 114.2
121 29.9 23.7 35.5

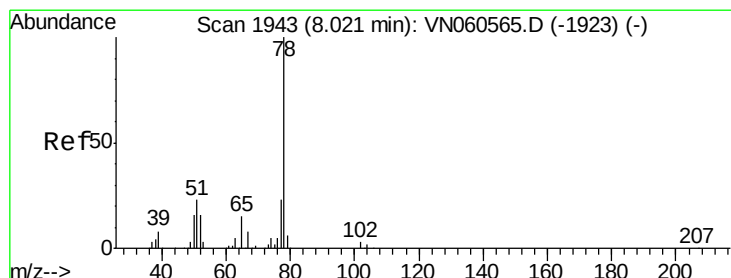
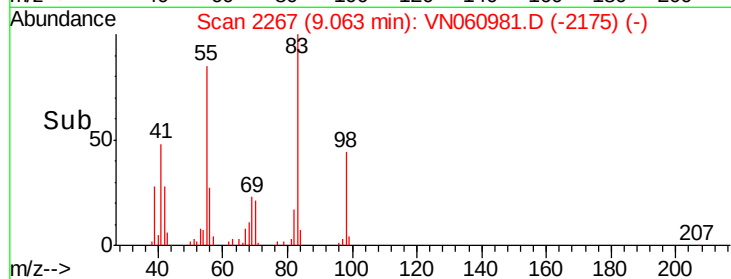
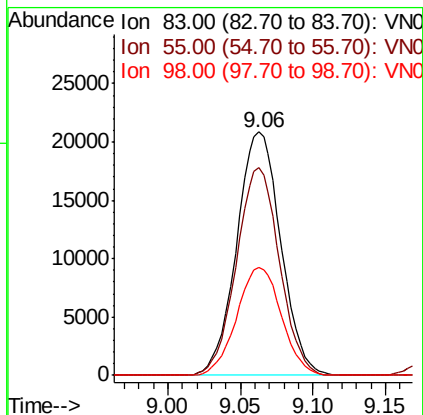
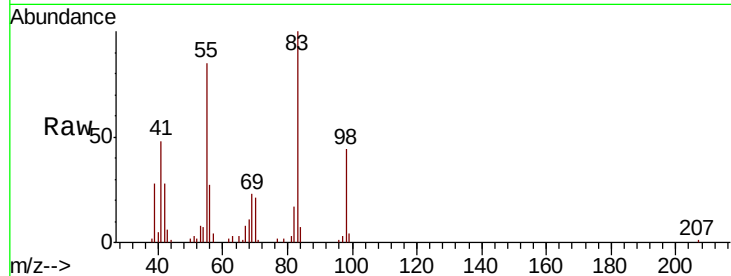




#39
Methylvlcyclohexane
Concen: 17.272 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

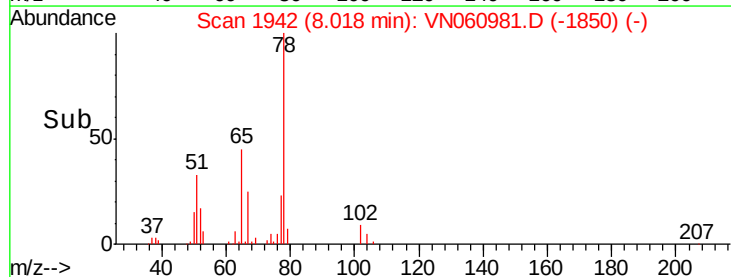
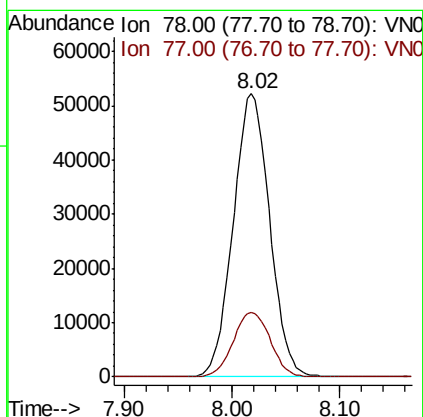
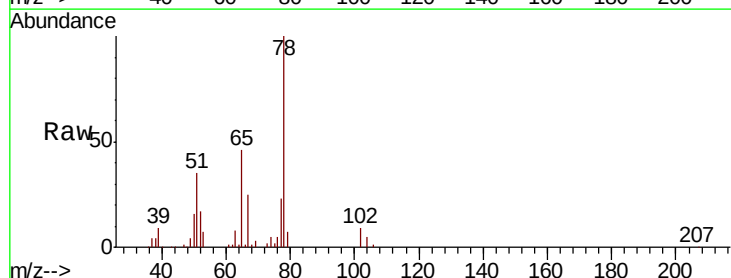
Instrument :
MSVOA_N
ClientSampled :

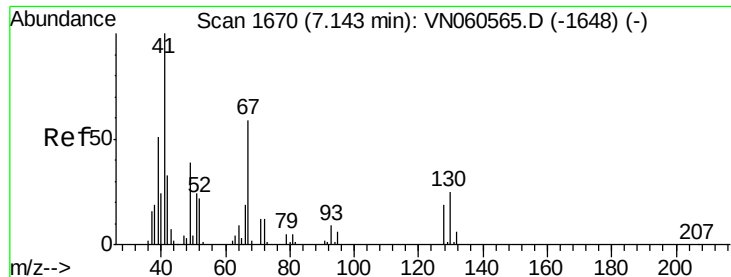
Tot Ion: 83 Resp: 44061
Ion Ratio Lower Upper
83 100
55 85.4 63.6 95.4
98 44.1 36.0 54.0



#40
Benzene
Concen: 18.924 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 78 Resp: 122633
Ion Ratio Lower Upper
78 100
77 22.6 18.6 28.0

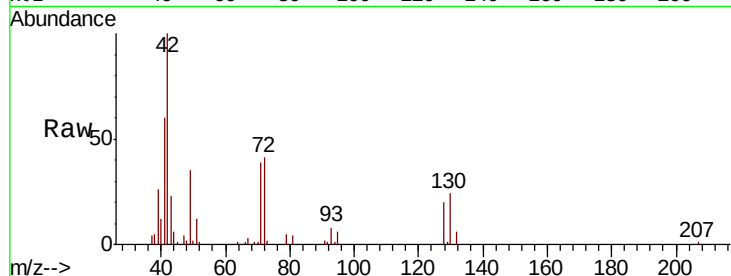




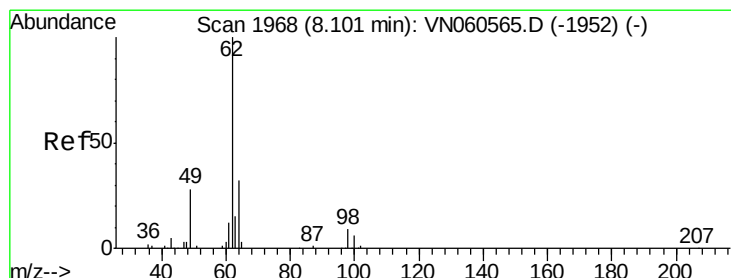
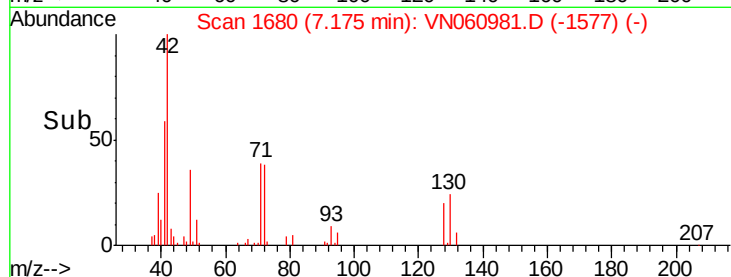
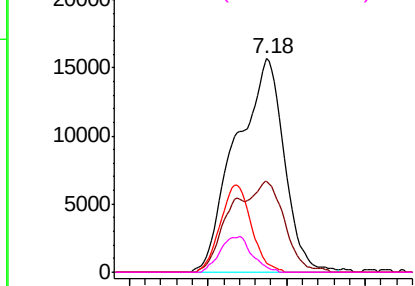
#41
Methacrylonitrile
Concen: 68.086 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	67399
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

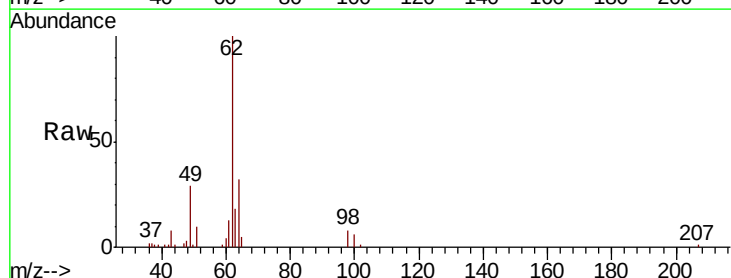


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

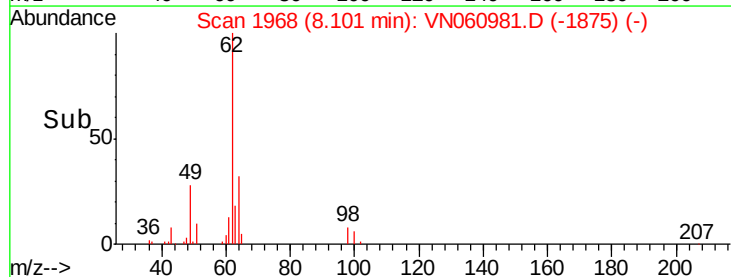
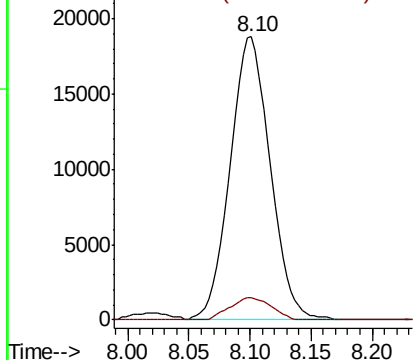


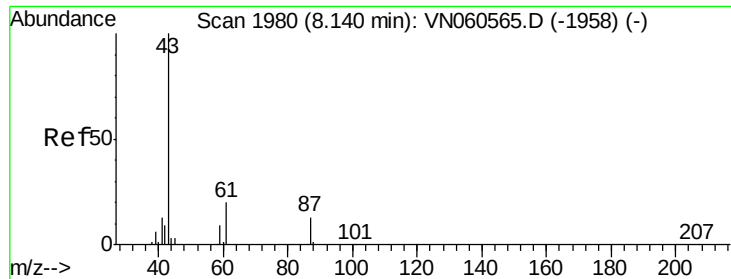
#42
1,2-Dichloroethane
Concen: 19.363 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion:	62	Resp:	42883
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 20.506 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

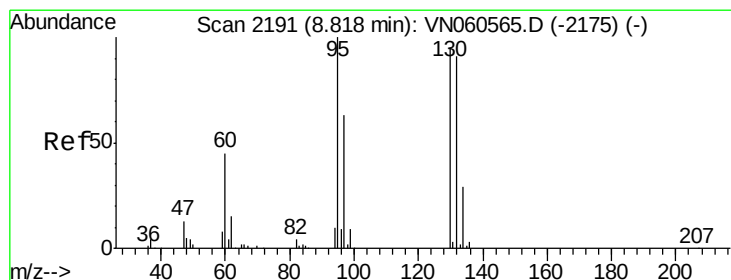
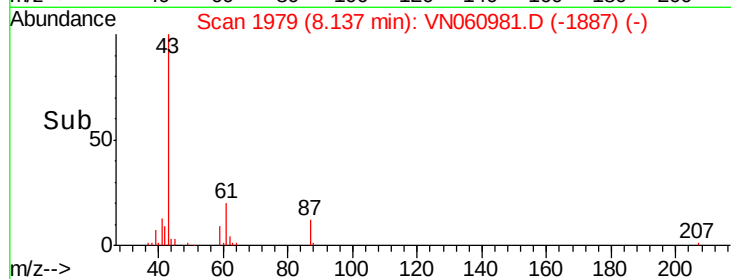
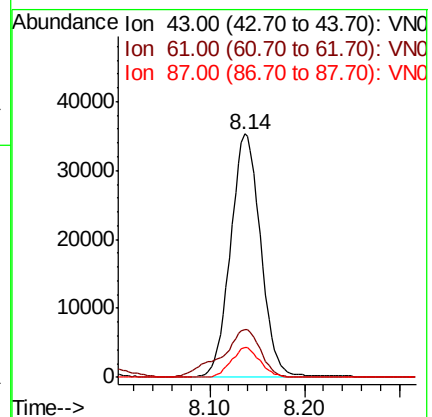
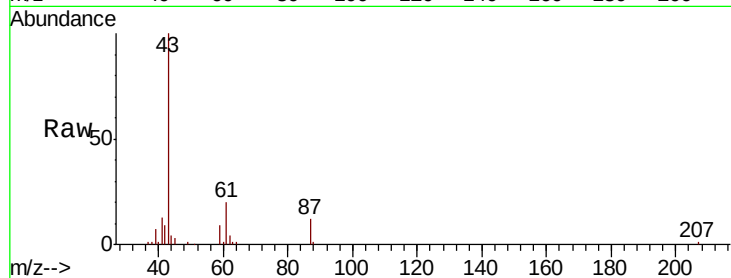
Tot Ion: 43 Resp: 78444

Ion Ratio Lower Upper

43 100

61 25.3 20.7 31.1

87 11.6 9.8 14.8



#44

Trichloroethene

Concen: 18.130 ug/l

RT: 8.82 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060981.D

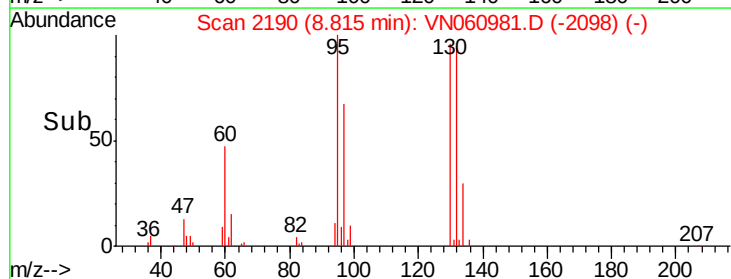
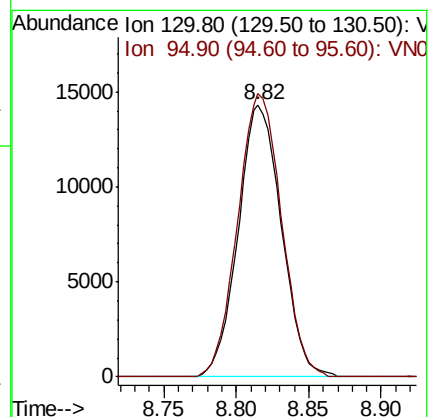
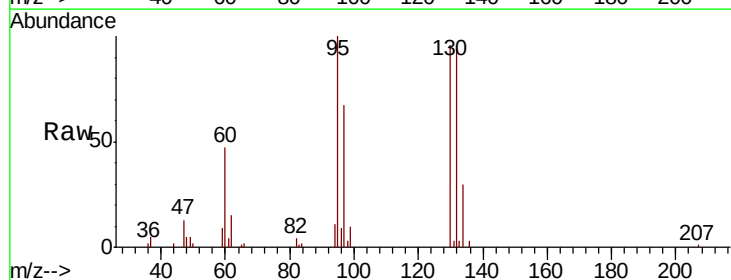
Acq: 15 Apr 2020 23:02

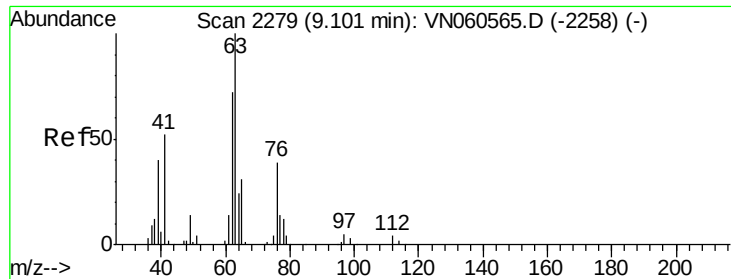
Tgt Ion:130 Resp: 29617

Ion Ratio Lower Upper

130 100

95 104.0 0.0 211.2

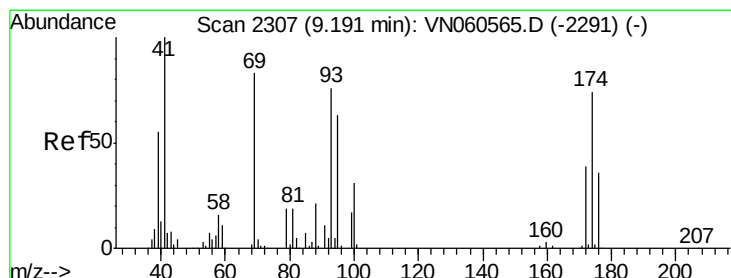
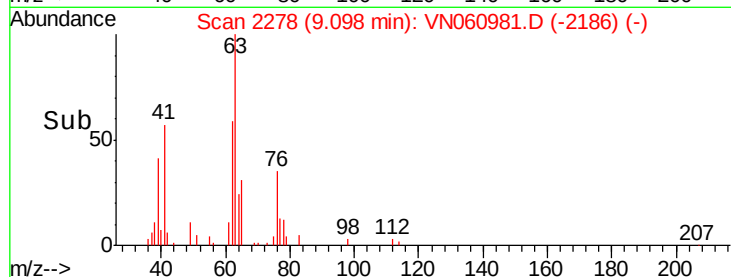
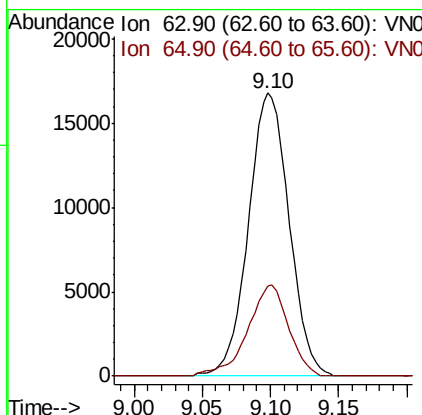
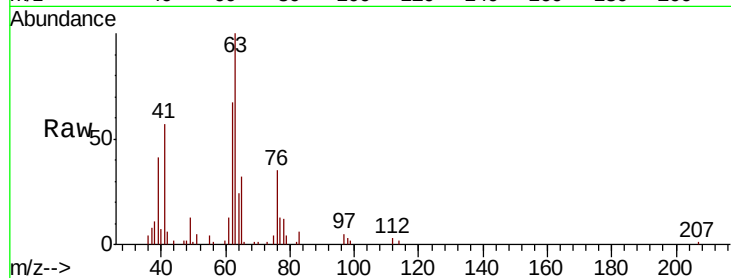




#45
 1,2-Dichloropropane
 Concen: 20.316 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

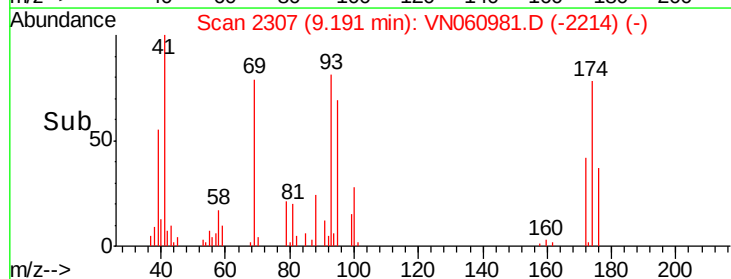
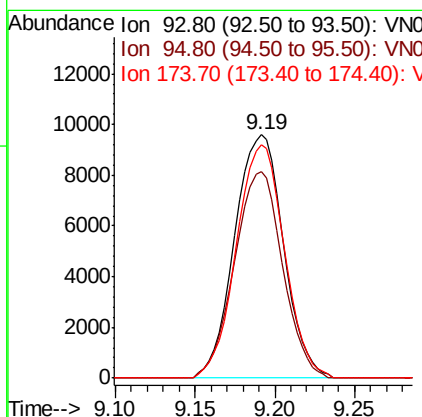
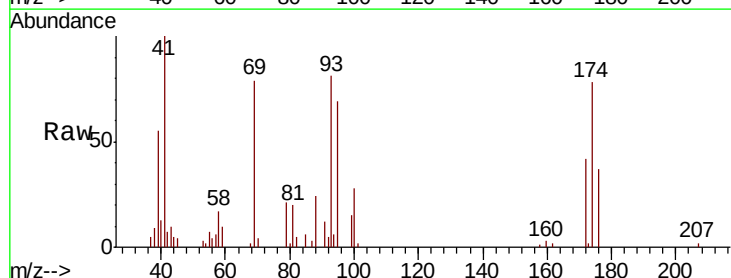
Instrument :
 MSVOA_N
 ClientSampleId :

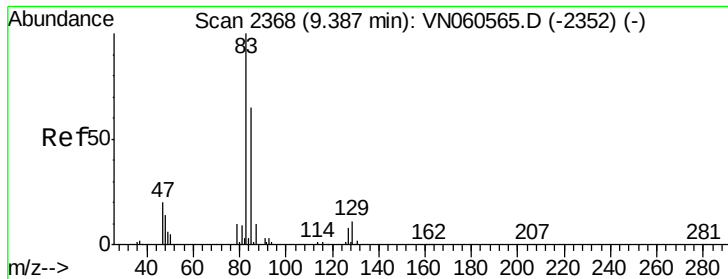
Tot Ion: 63 Resp: 34740
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.0



#46
 Dibromomethane
 Concen: 19.385 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion: 93 Resp: 20040
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.2 99.4
 174 94.2 77.9 116.9





#47

Bromodichloromethane

Concen: 19.245 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampled :

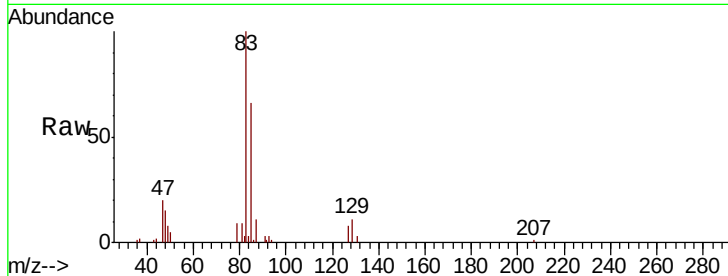
Tot Ion: 83 Resp: 41342

Ion Ratio Lower Upper

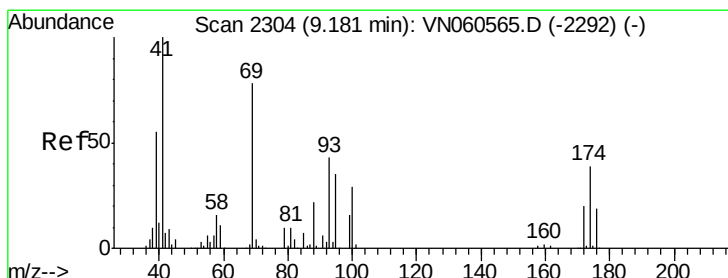
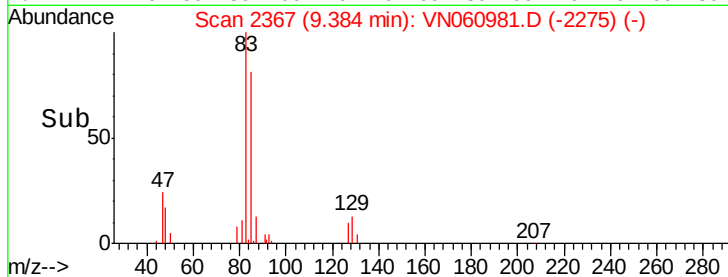
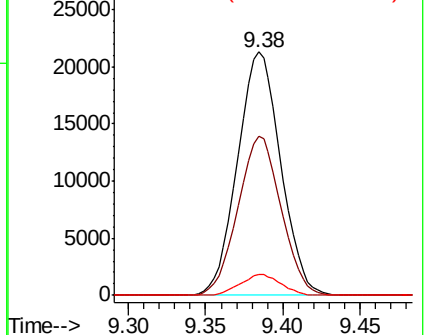
83 100

85 65.6 51.8 77.6

127 8.5 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.449 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

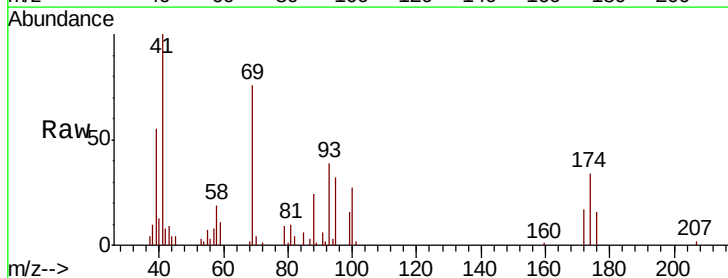
Tgt Ion: 41 Resp: 33125

Ion Ratio Lower Upper

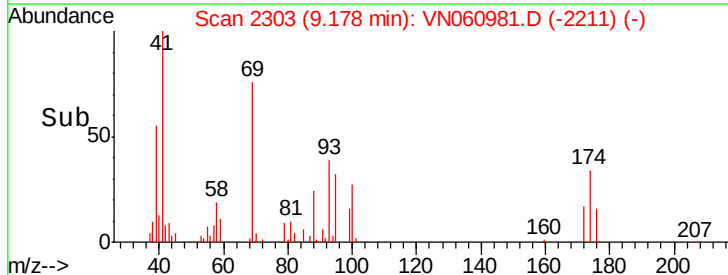
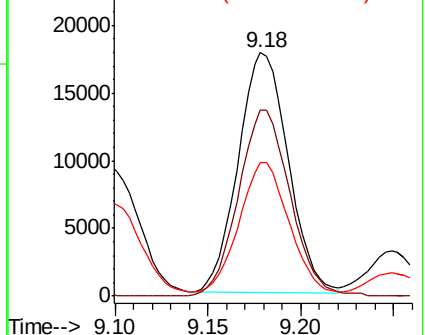
41 100

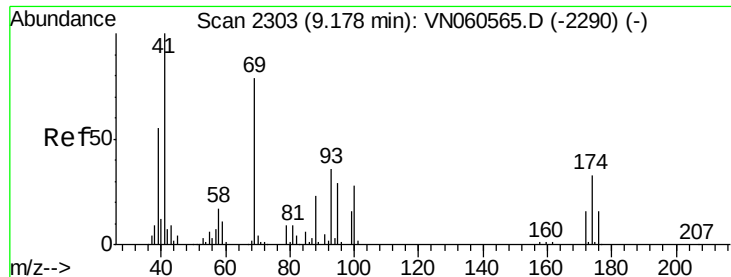
69 80.3 65.4 98.0

39 57.1 44.0 66.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

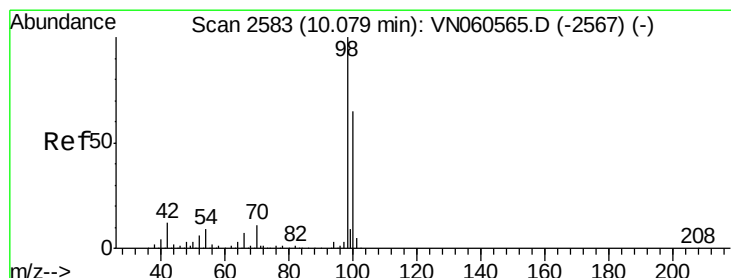
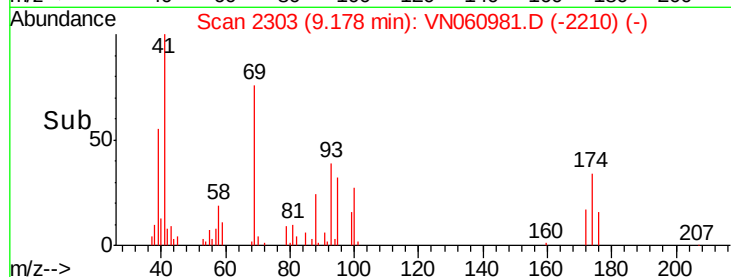
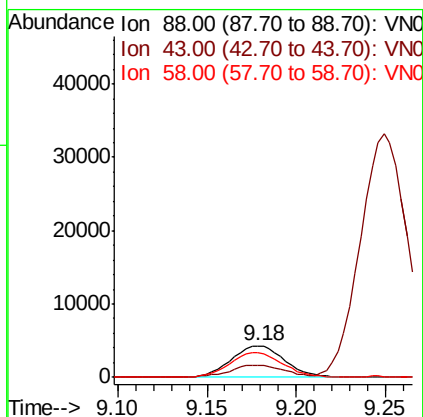
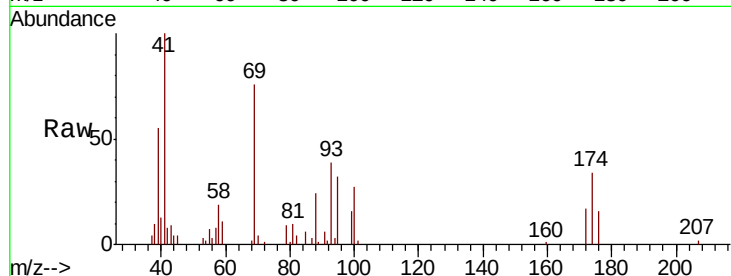




#49
1,4-Dioxane
Concen: 441.363 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

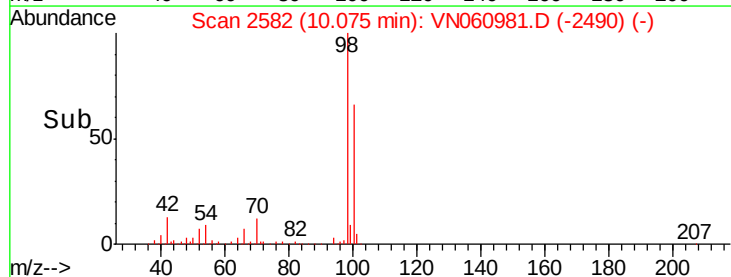
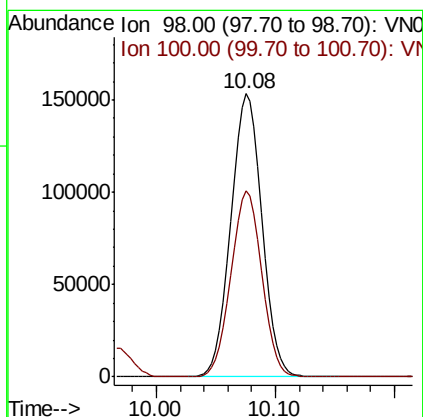
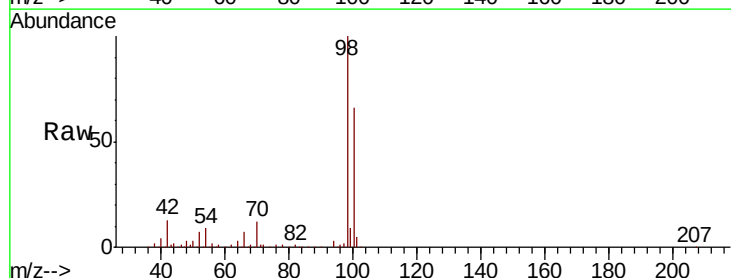
Instrument :
MSVOA_N
ClientSampleId :

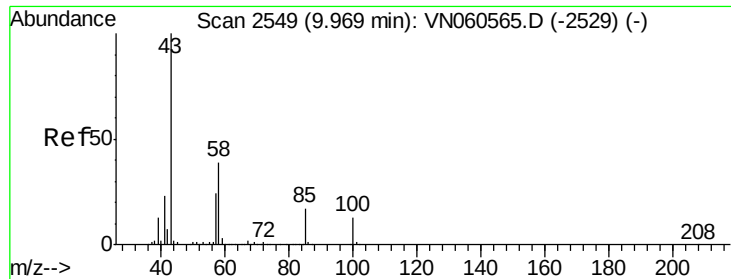
Tot Ion: 88 Resp: 8935
Ion Ratio Lower Upper
88 100
43 39.1 30.8 46.2
58 76.9 59.8 89.8



#50
Toluene-d8
Concen: 50.769 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 98 Resp: 277982
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8

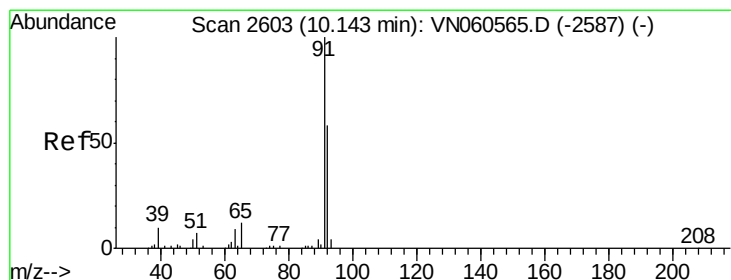
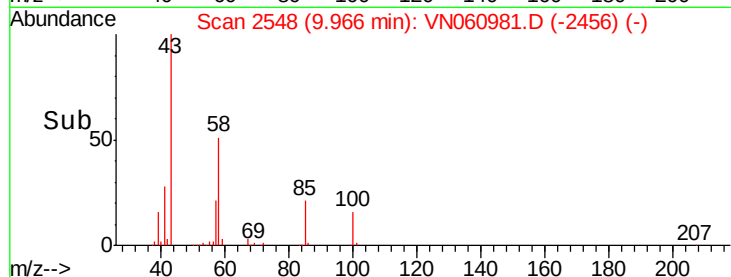
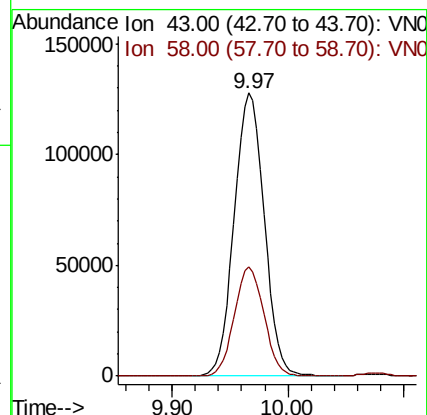
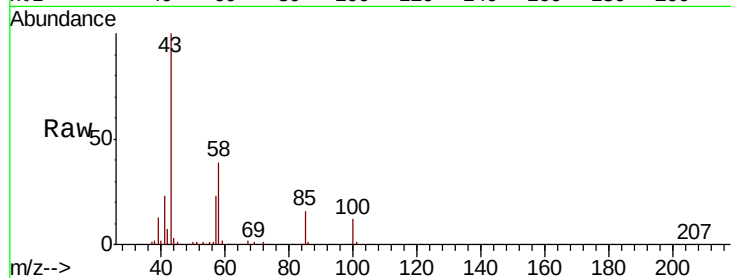




#51
 4-Methyl-2-Pentanone
 Concen: 105.665 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

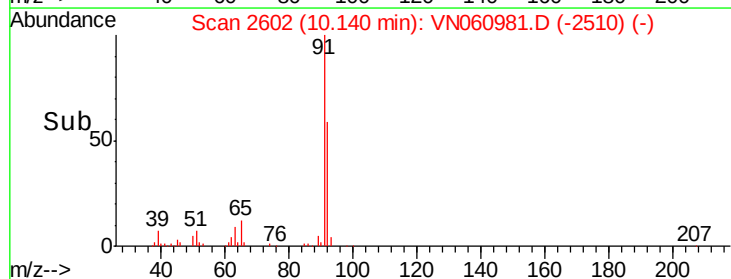
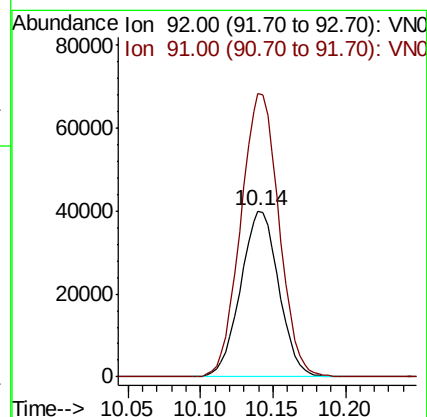
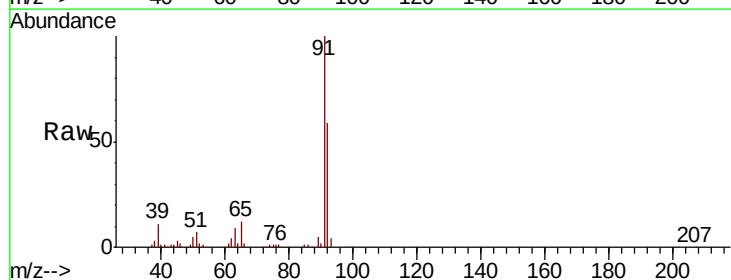
Instrument :
 MSVOA_N
 ClientSampled :

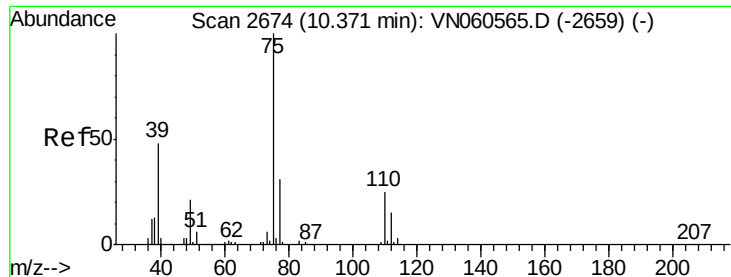
Tot Ion: 43 Resp: 230012
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.8 46.2



#52
 Toluene
 Concen: 18.694 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion: 92 Resp: 73161
 Ion Ratio Lower Upper
 92 100
 91 171.6 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 19.169 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

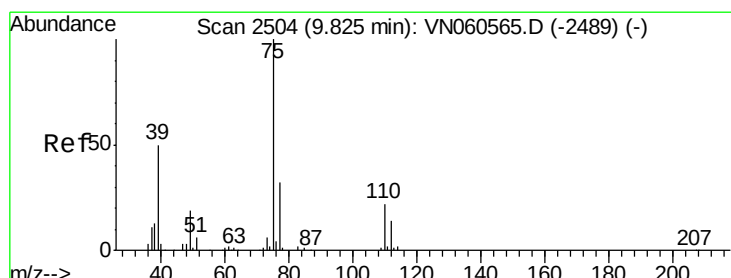
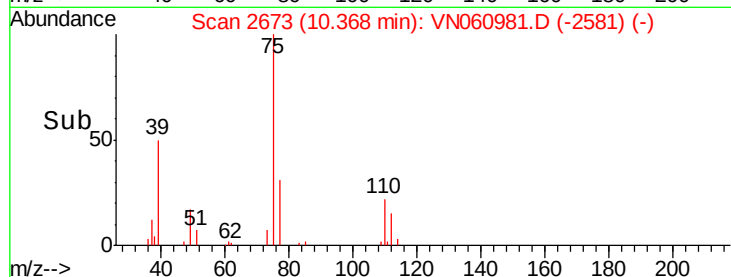
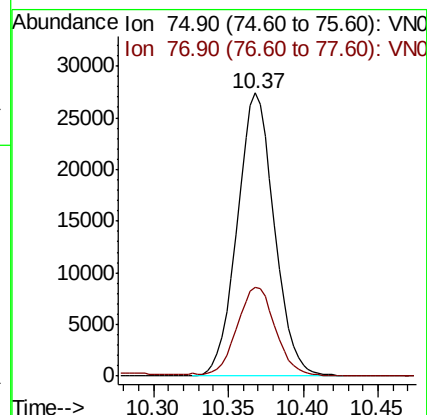
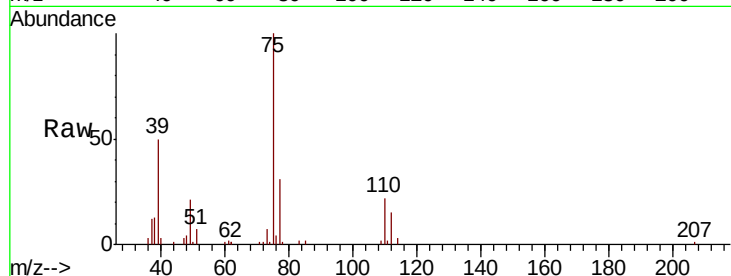
ClientSampled :

Tot Ion: 75 Resp: 47300

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 18.764 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

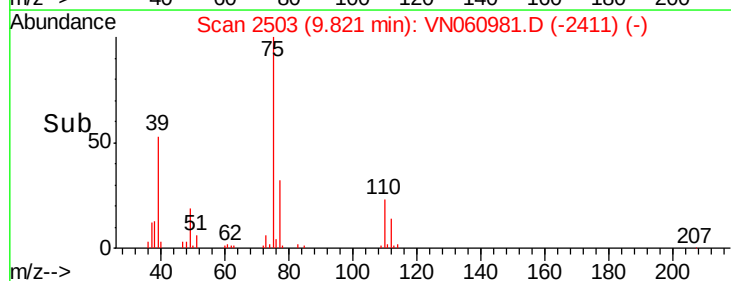
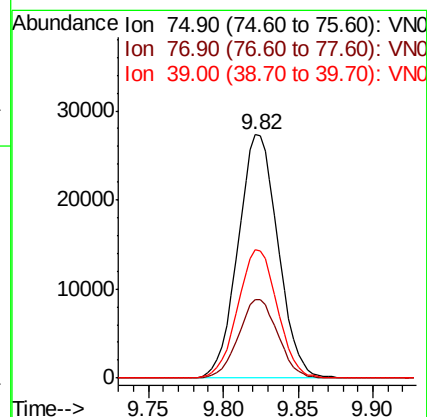
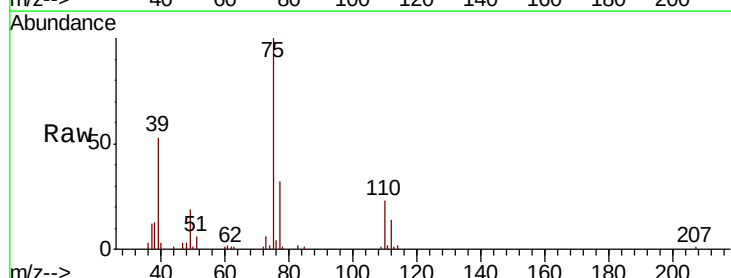
Tgt Ion: 75 Resp: 50794

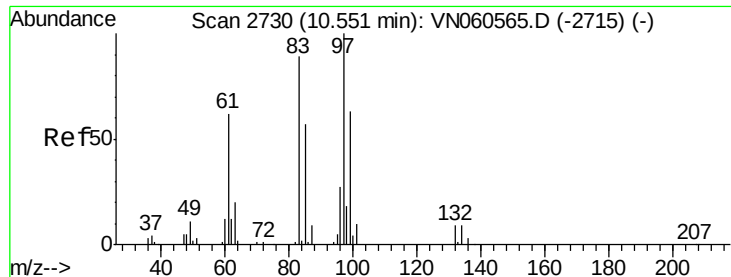
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 52.7 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 19.813 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 29831

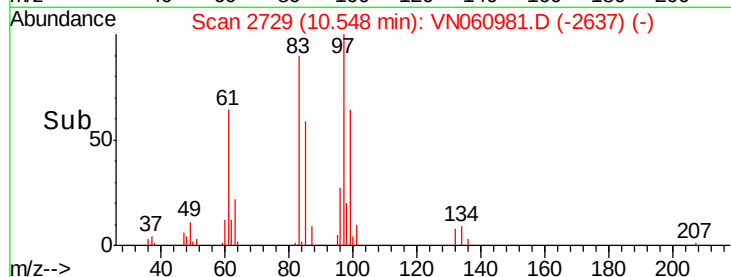
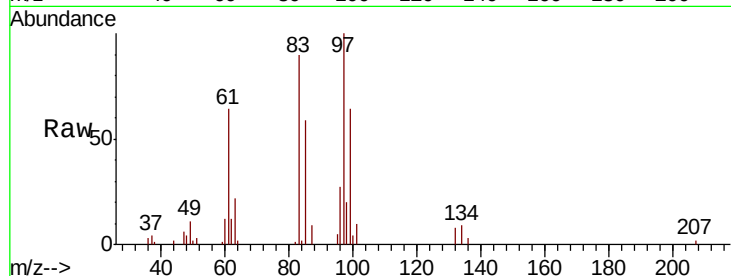
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.3	106.9
85	59.4	45.2	67.8
99	63.6	50.1	75.1

97 100

83 89.8 71.3 106.9

85 59.4 45.2 67.8

99 63.6 50.1 75.1



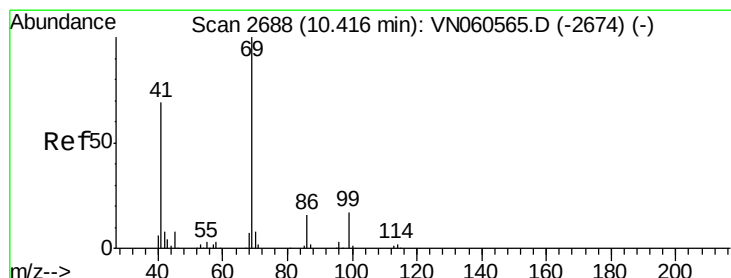
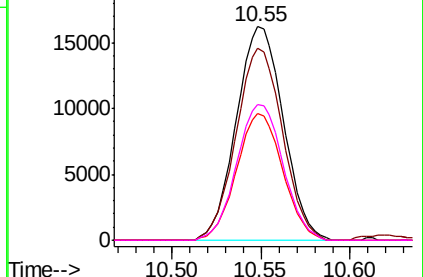
Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Time-->



#56

Ethyl methacrylate

Concen: 19.392 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

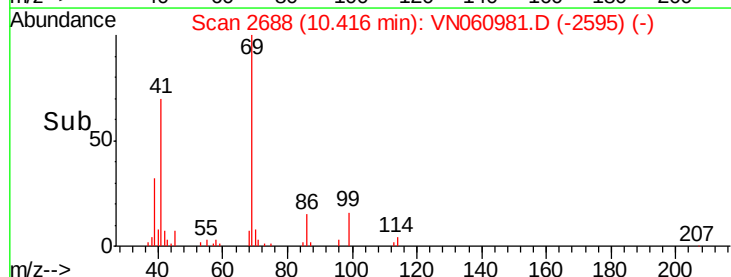
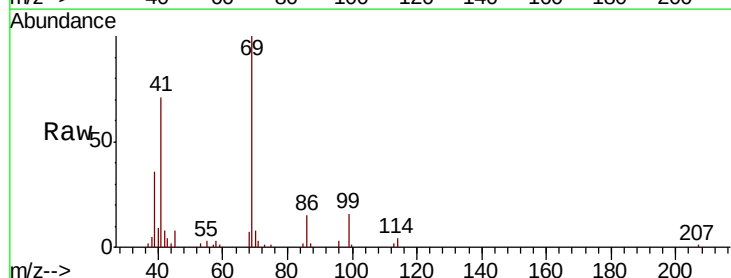
Tgt Ion: 69 Resp: 45526

Ion	Ratio	Lower	Upper
69	100		
41	72.8	55.4	83.2
39	36.7	29.4	44.0

69 100

41 72.8 55.4 83.2

39 36.7 29.4 44.0

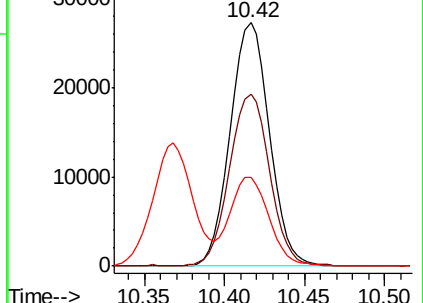


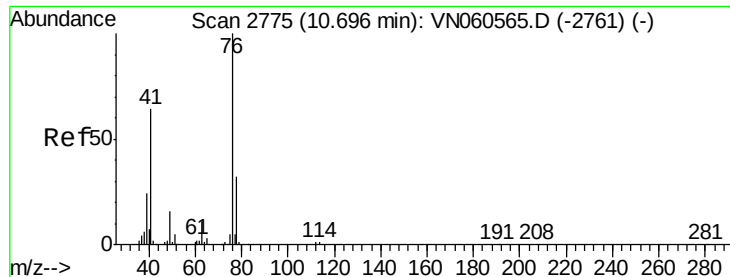
Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Time-->





#57

1,3-Dichloropropane

Concen: 19.905 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

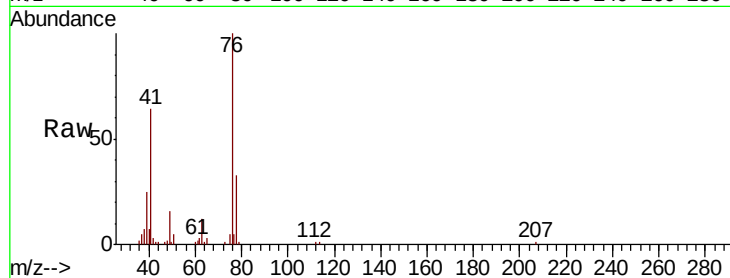
ClientSampleId :

Tot Ion: 76 Resp: 52008

Ion Ratio Lower Upper

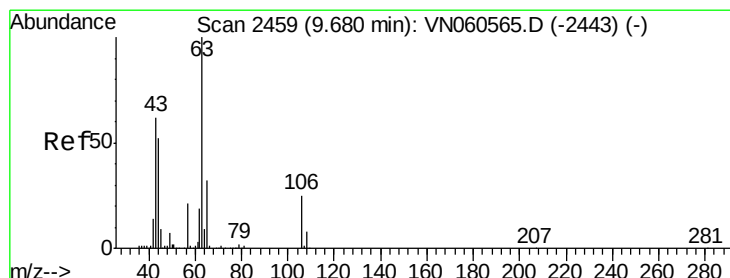
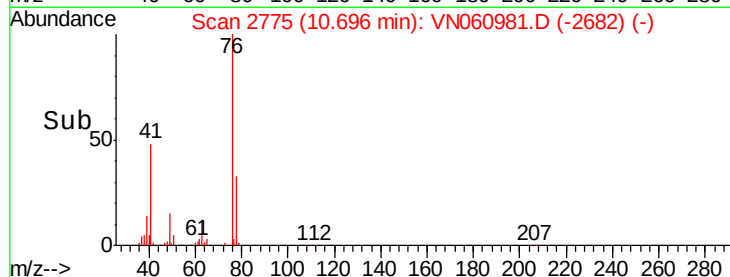
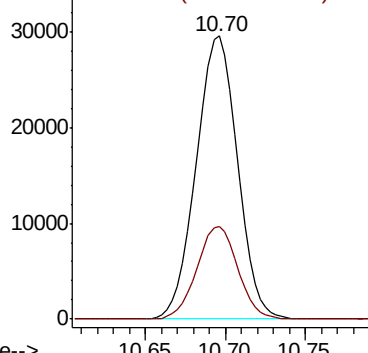
76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 87.846 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060981.D

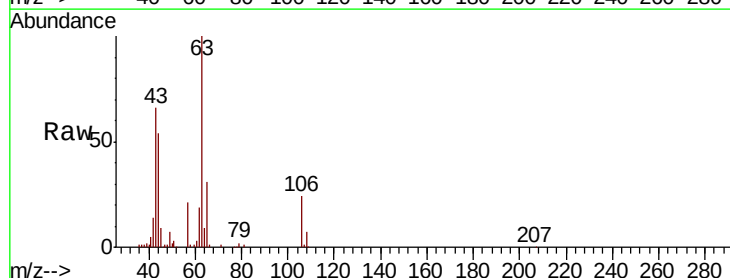
Acq: 15 Apr 2020 23:02

Tgt Ion: 63 Resp: 102500

Ion Ratio Lower Upper

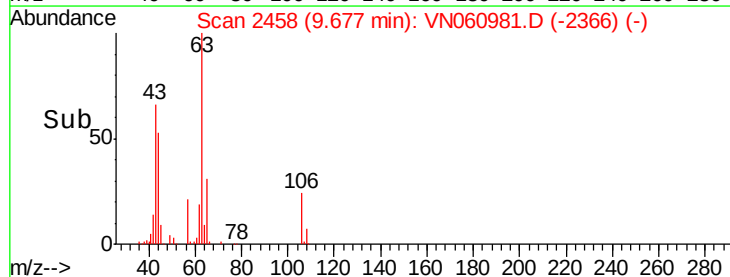
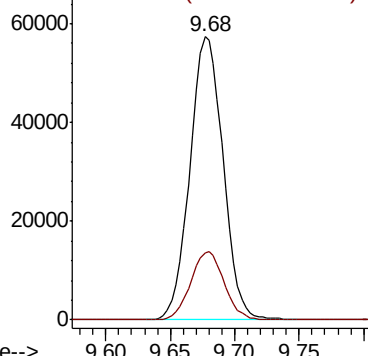
63 100

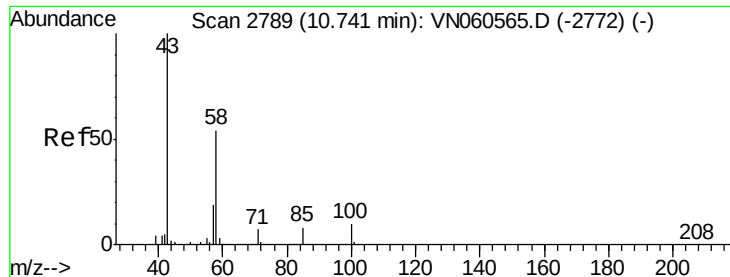
106 24.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

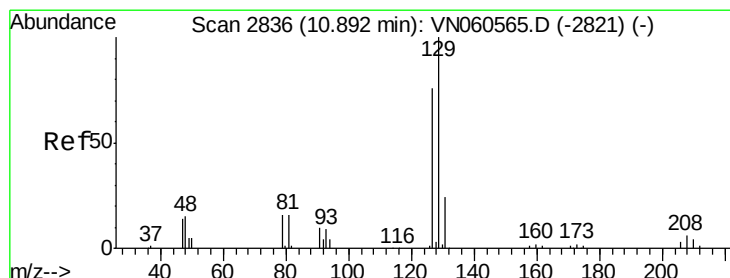
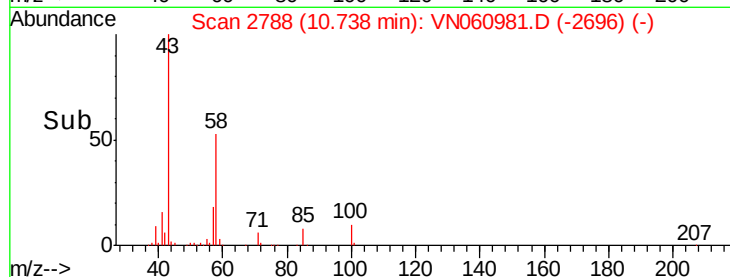
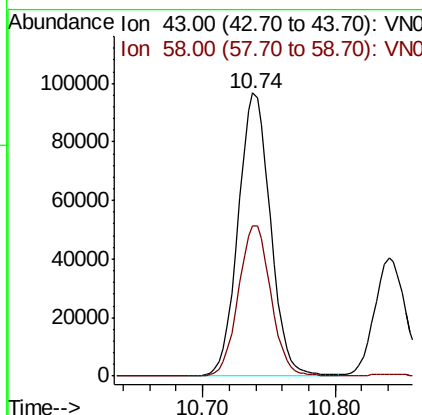
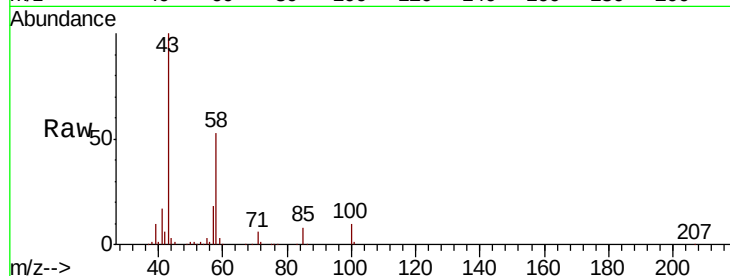




#59
2-Hexanone
Concen: 104.339 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

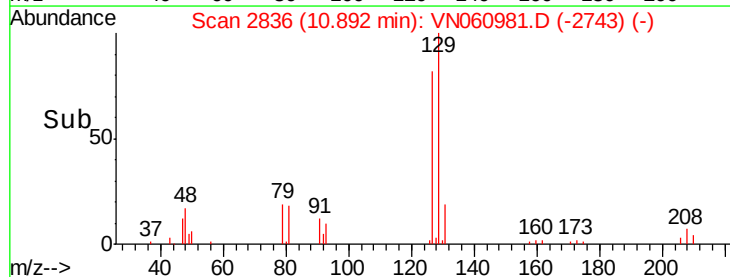
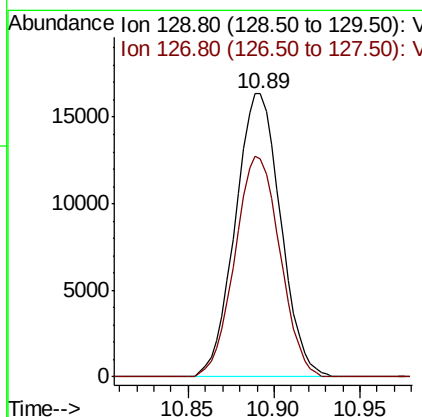
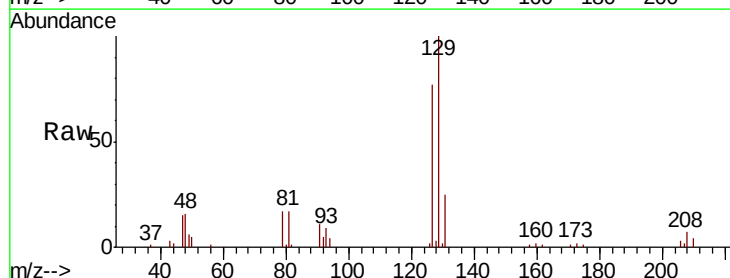
Instrument :
MSVOA_N
ClientSampleId :

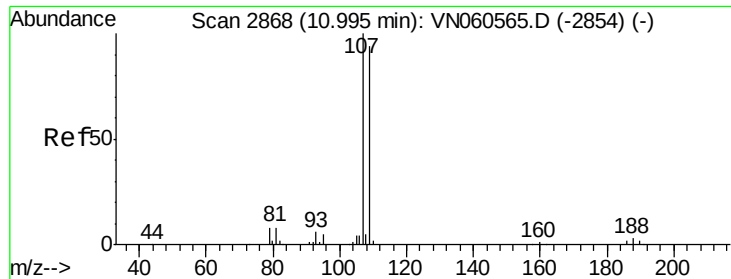
Tot Ion: 43 Resp: 163610
Ion Ratio Lower Upper
43 100
58 53.5 26.7 80.1



#60
Dibromochloromethane
Concen: 19.229 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion:129 Resp: 29906
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5

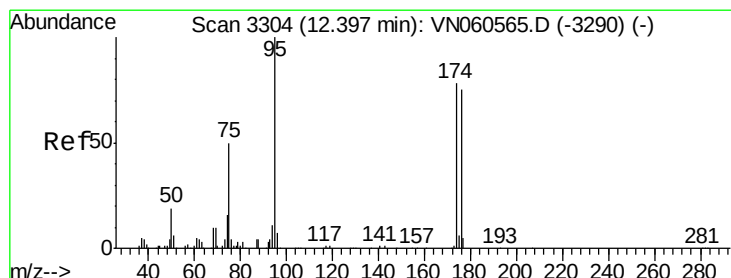
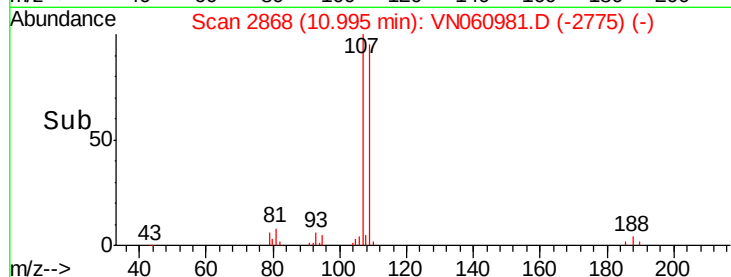
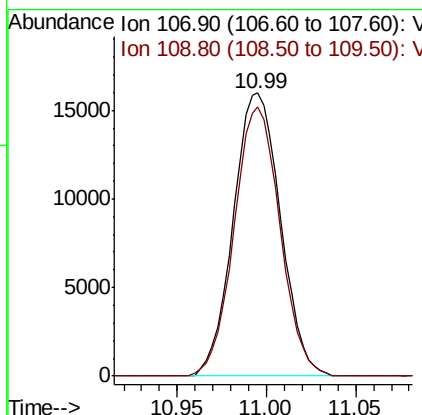
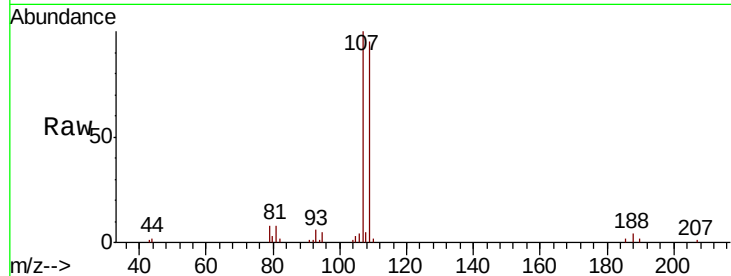




#61
 1,2-Dibromoethane
 Concen: 19.423 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

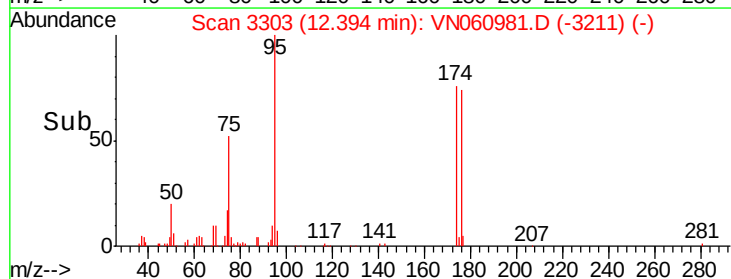
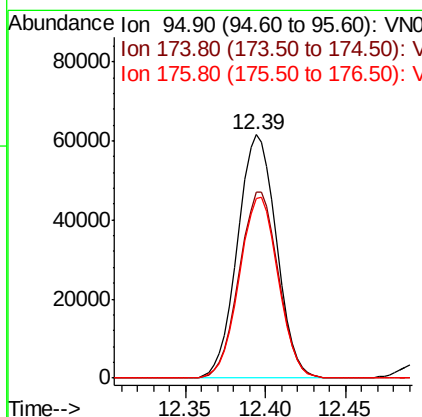
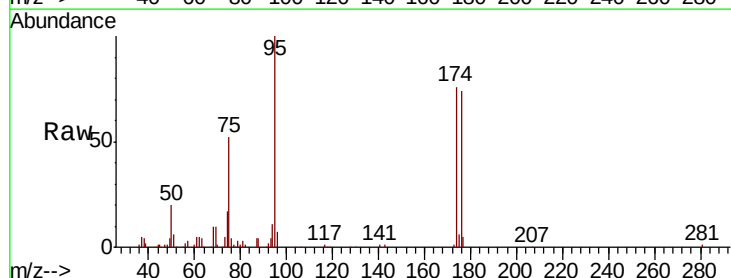
Instrument :
 MSVOA_N
 ClientSampleId :

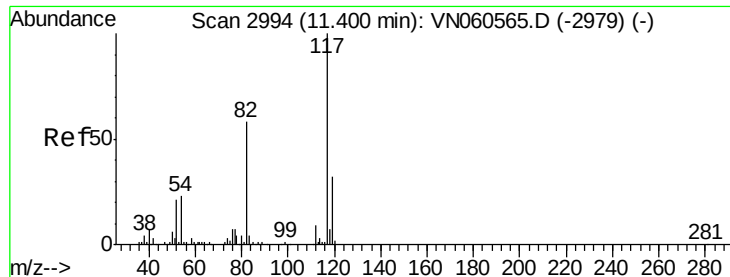
Tot Ion:107 Resp: 29406
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.814 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion: 95 Resp: 101968
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 157.6
 176 74.3 0.0 150.6

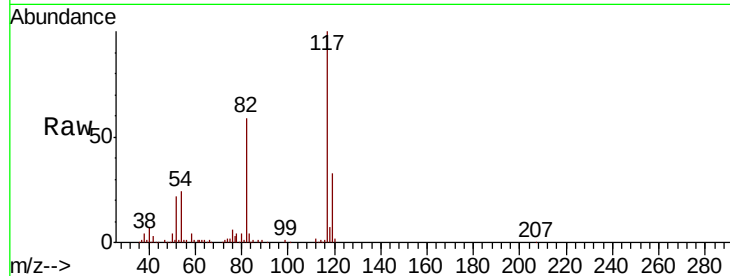




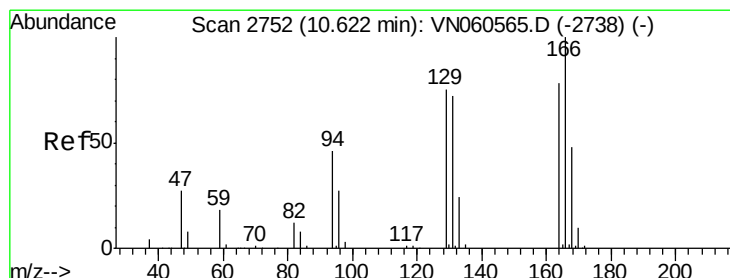
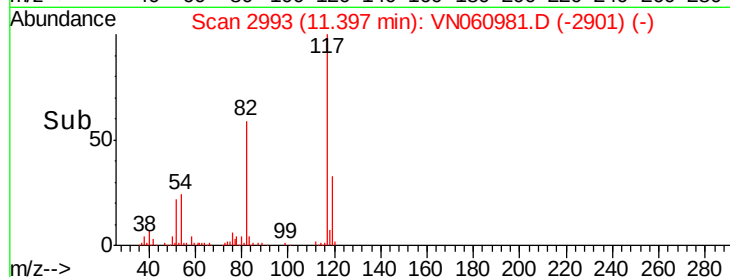
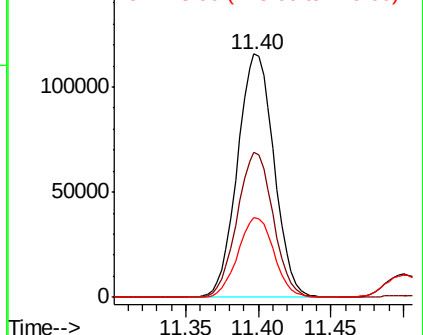
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 202818
Ion Ratio Lower Upper
117 100
82 59.4 46.7 70.1
119 32.5 25.5 38.3

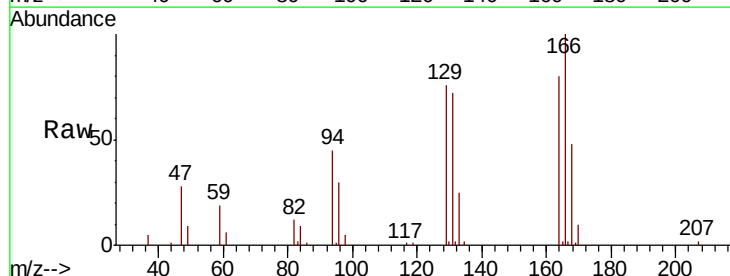


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

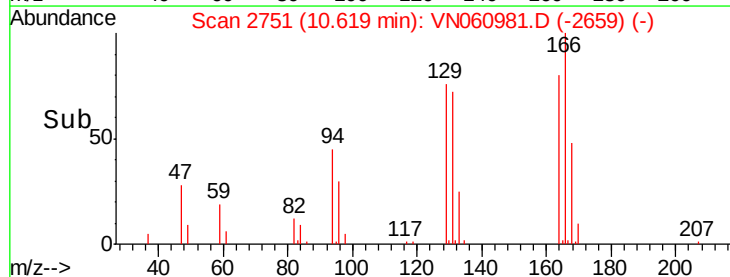
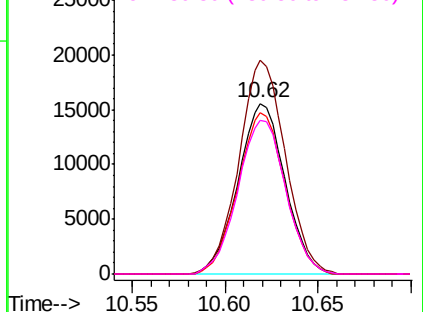


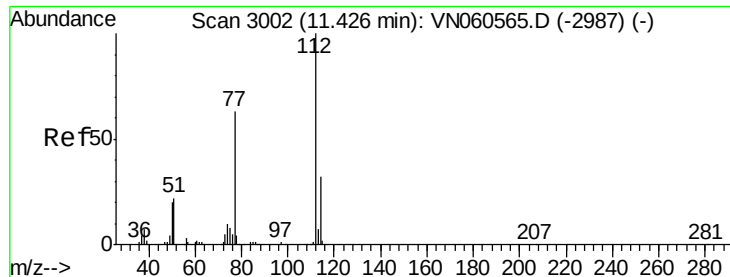
#64
Tetrachloroethene
Concen: 17.200 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion:164 Resp: 27451
Ion Ratio Lower Upper
164 100
166 125.0 102.7 154.1
129 94.8 77.2 115.8
131 90.1 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

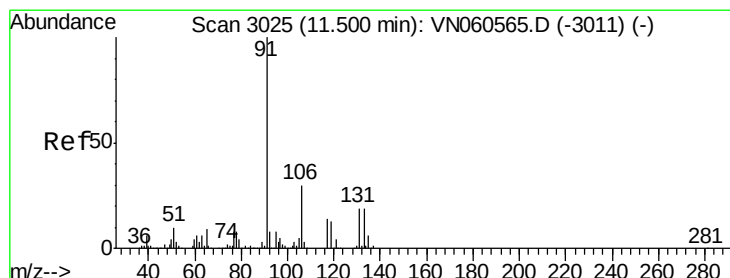
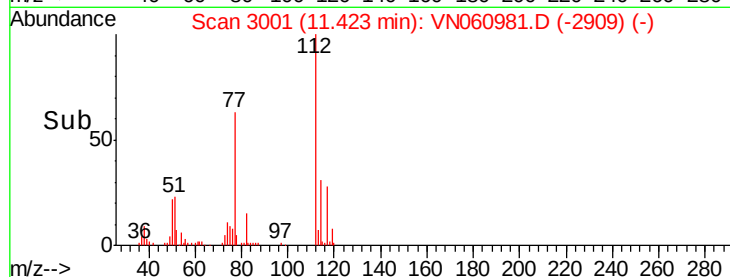
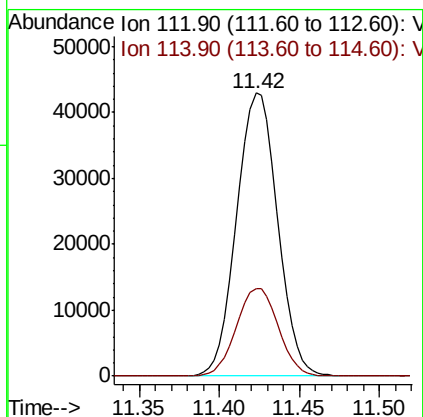
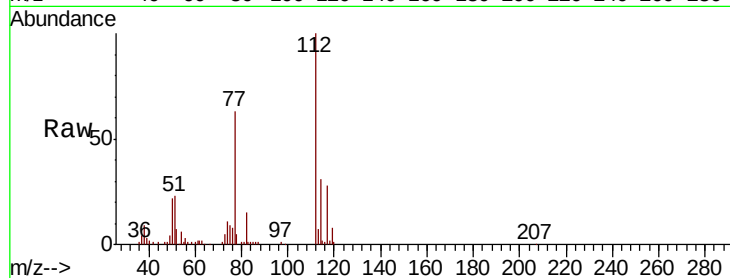




#65
Chlorobenzene
Concen: 18.662 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

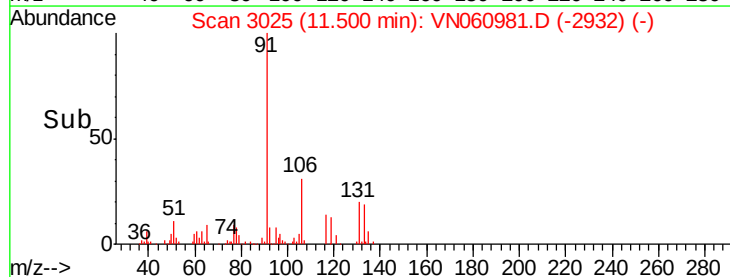
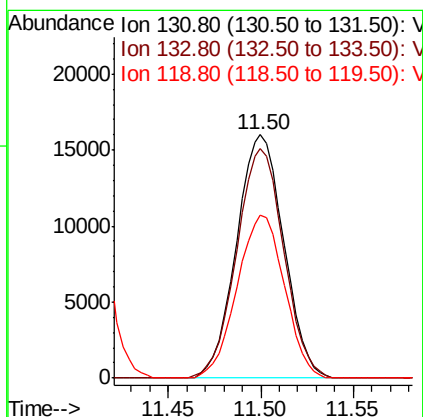
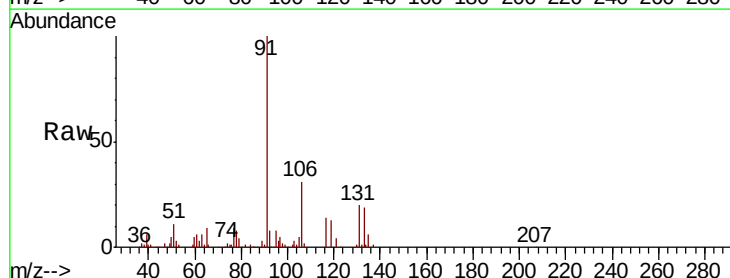
Instrument :
MSVOA_N
ClientSampled :

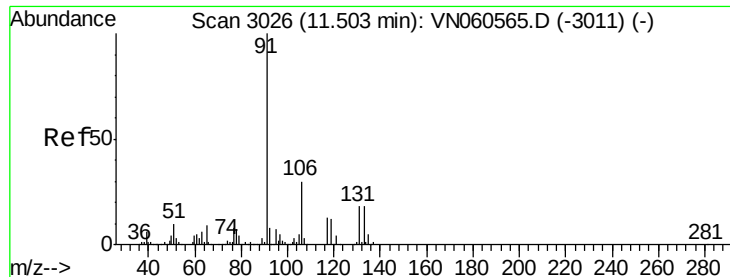
Tot Ion:112 Resp: 75034
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.422 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion:131 Resp: 28274
Ion Ratio Lower Upper
131 100
133 94.2 48.9 146.8
119 67.0 33.9 101.7

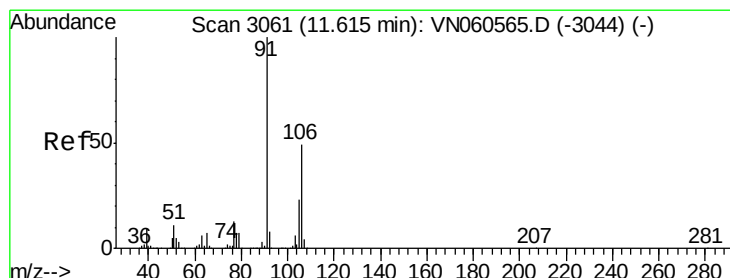
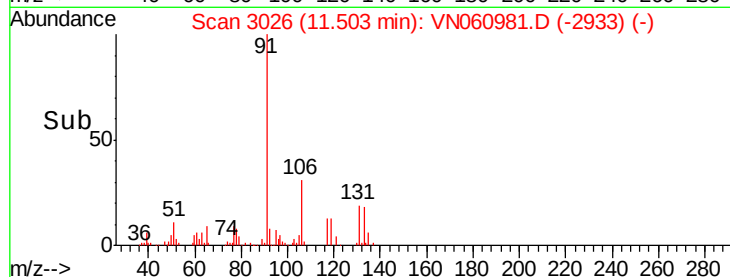
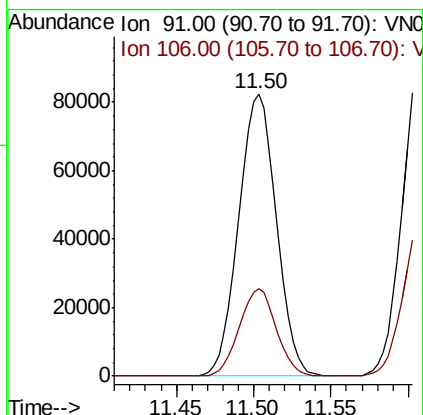
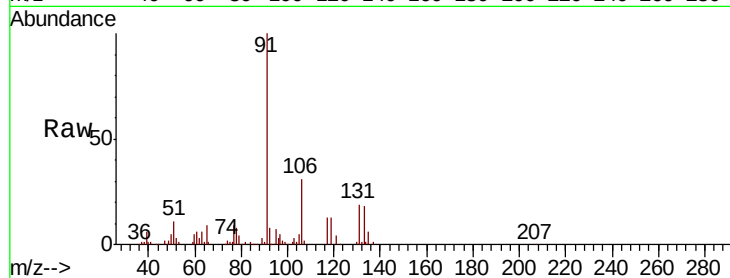




#67
Ethyl Benzene
Concen: 18.669 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

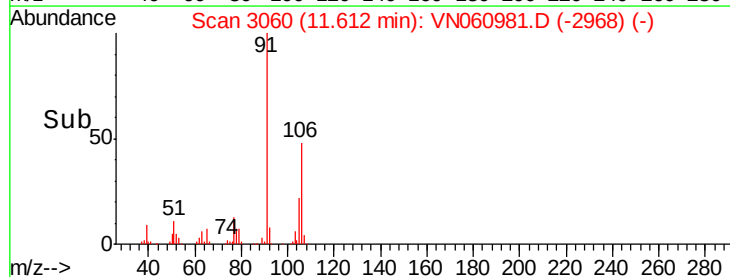
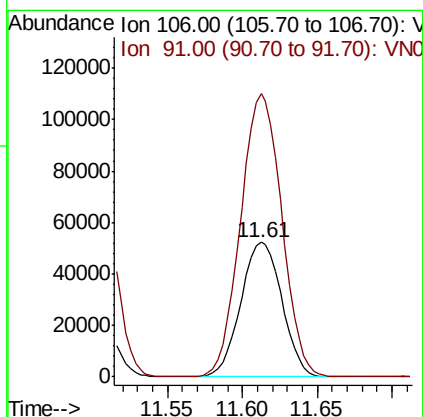
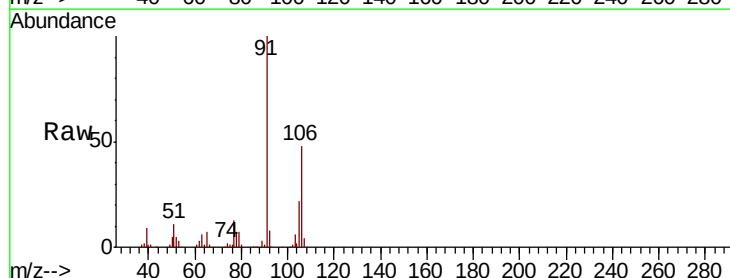
Instrument :
MSVOA_N
ClientSampled :

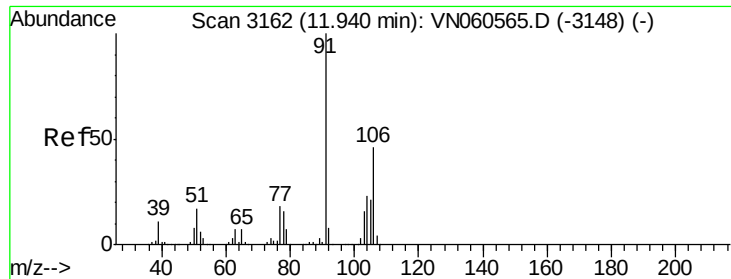
Tot Ion: 91 Resp: 139590
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.2



#68
m/p-Xylenes
Concen: 36.104 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 106 Resp: 100314
Ion Ratio Lower Upper
106 100
91 210.1 165.0 247.4

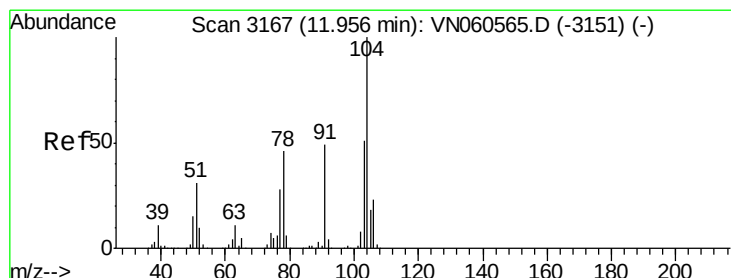
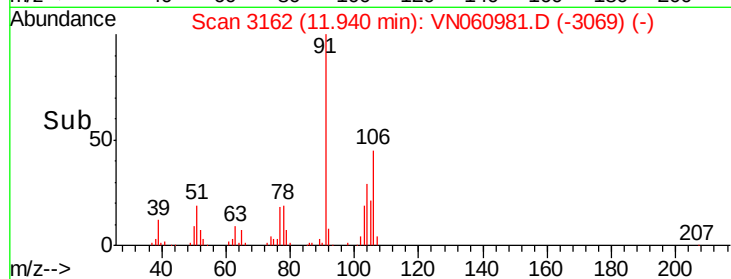
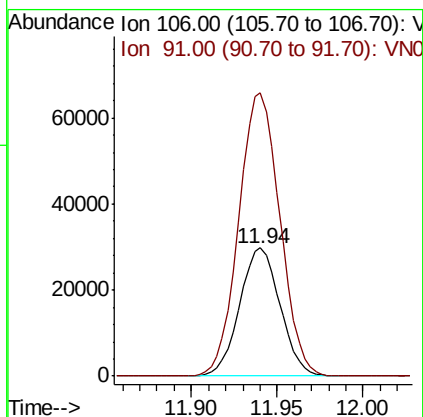
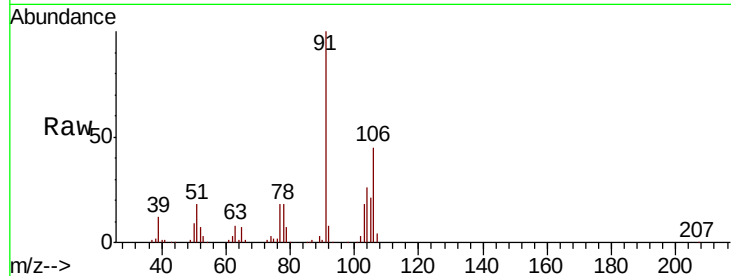




#69
o-Xylene
Concen: 18.405 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

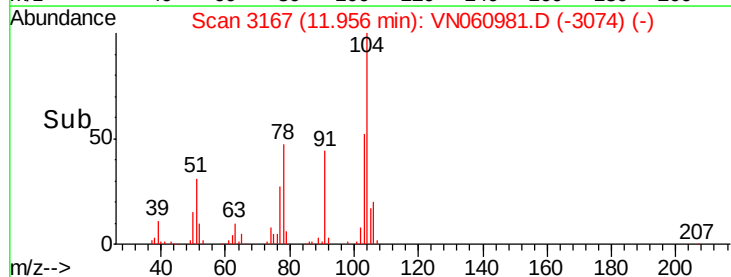
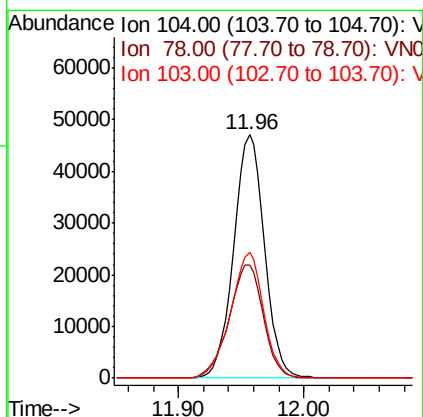
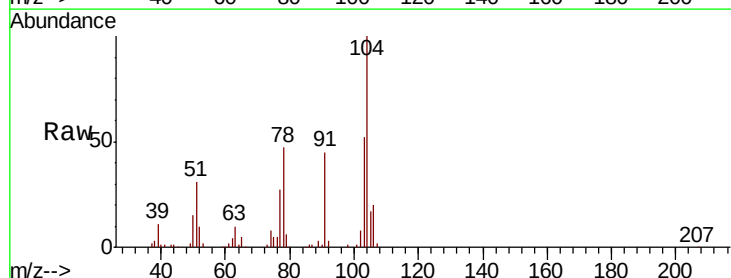
Instrument :
MSVOA_N
ClientSampled :

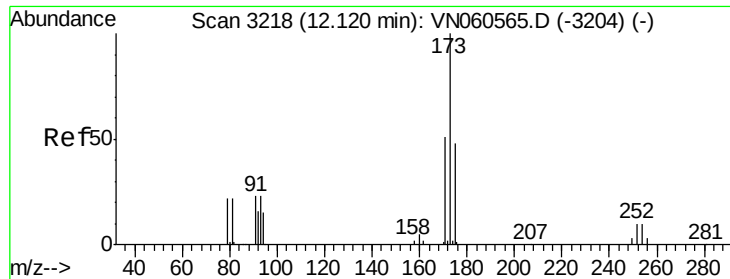
Tot Ion:106 Resp: 48819
Ion Ratio Lower Upper
106 100
91 224.8 109.5 328.4



#70
Styrene
Concen: 18.511 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion:104 Resp: 80300
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.1 44.0 66.0

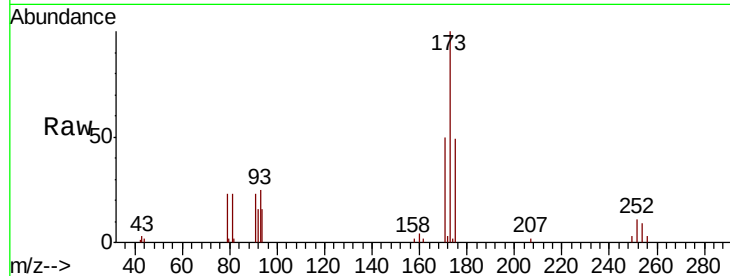




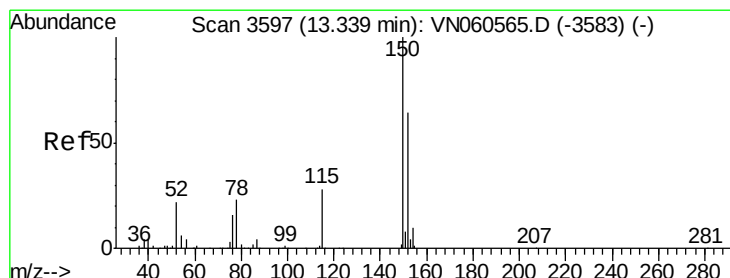
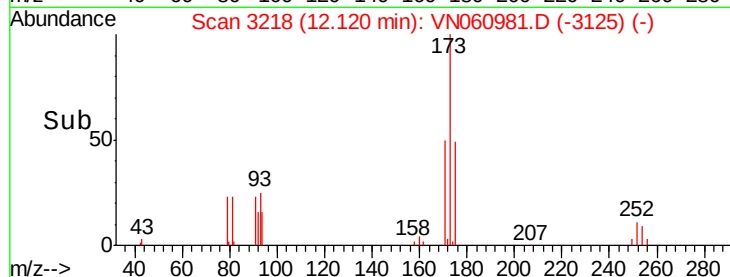
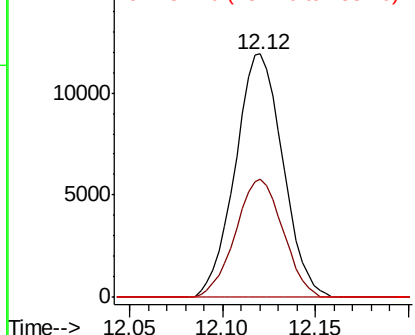
#71
Bromoform
Concen: 18.619 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 21207
Ion Ratio Lower Upper
173 100
175 48.4 24.1 72.4
254 0.0 0.0 0.0

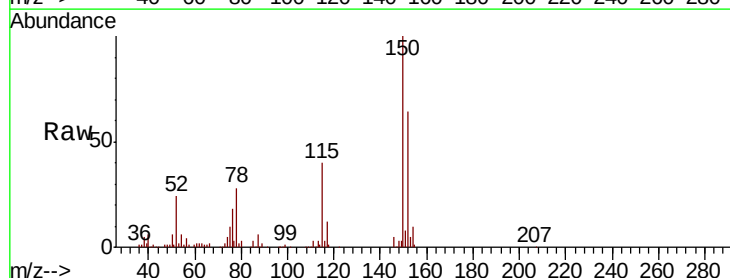


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

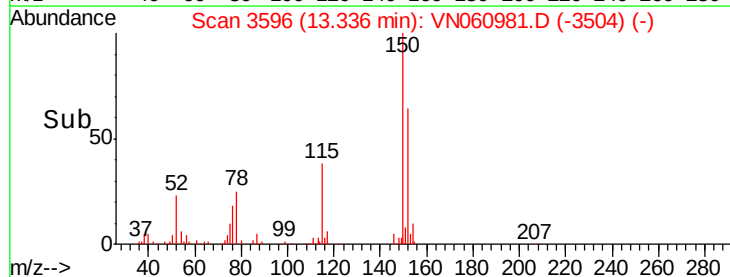
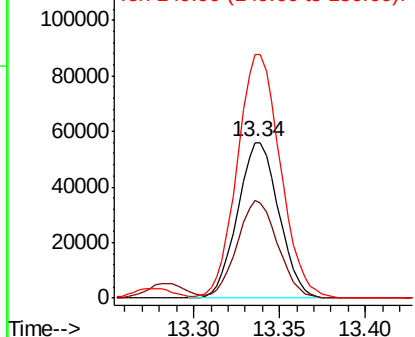


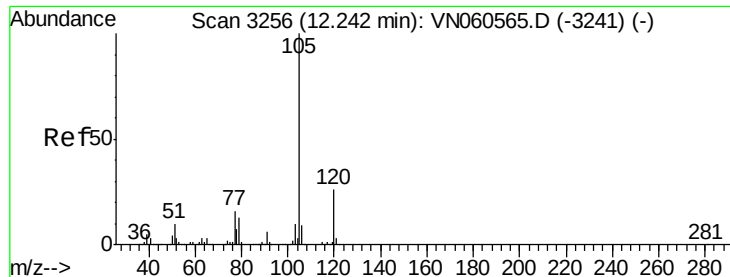
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion:152 Resp: 93416
Ion Ratio Lower Upper
152 100
115 61.6 30.2 90.6
150 163.6 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: 18.876 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

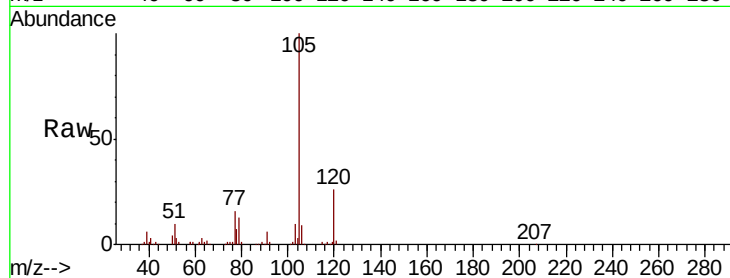
ClientSampleId :

Tot Ion:105 Resp: 132330

Ion Ratio Lower Upper

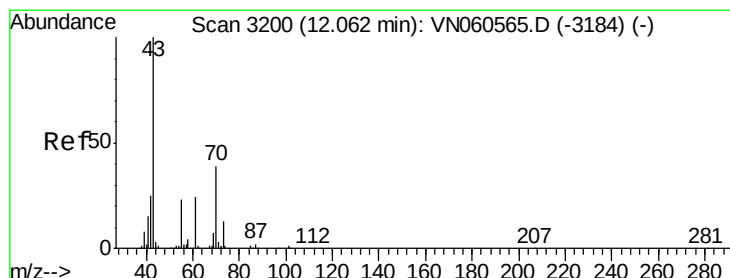
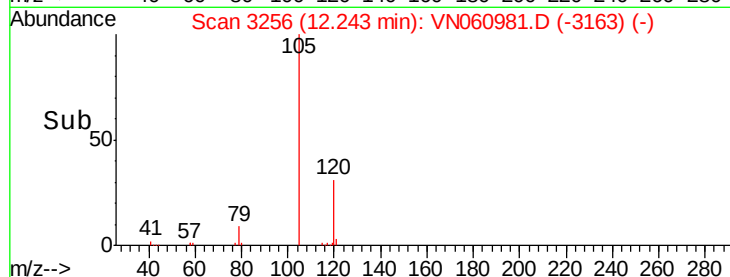
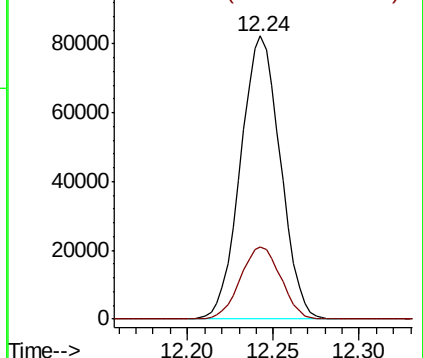
105 100

120 25.9 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.920 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Tgt Ion: 43 Resp: 64531

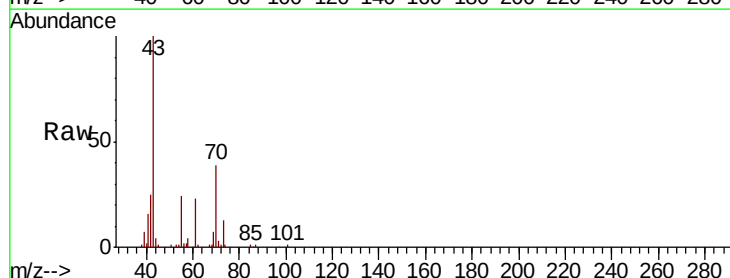
Ion Ratio Lower Upper

43 100

70 38.3 31.1 46.7

55 23.4 18.6 27.8

61 22.9 18.9 28.3

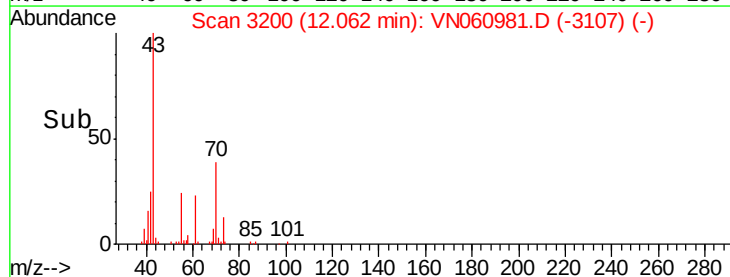
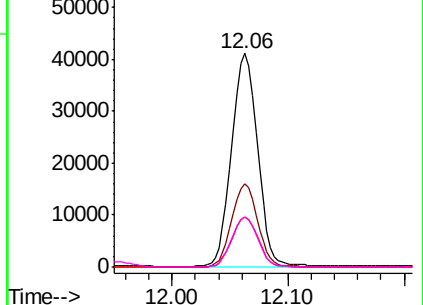


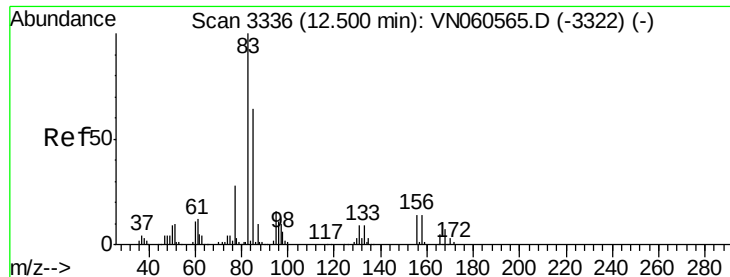
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.670 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

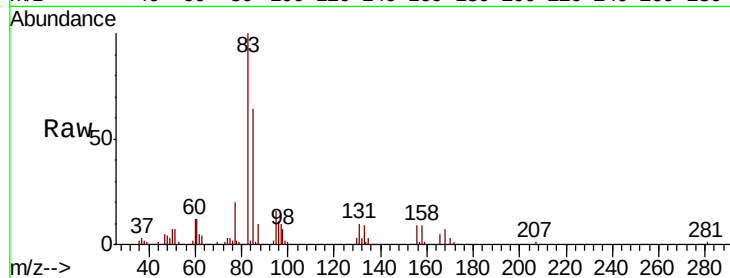
Tot Ion: 83 Resp: 43821

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

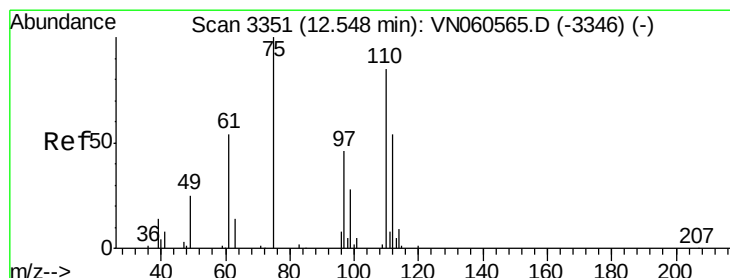
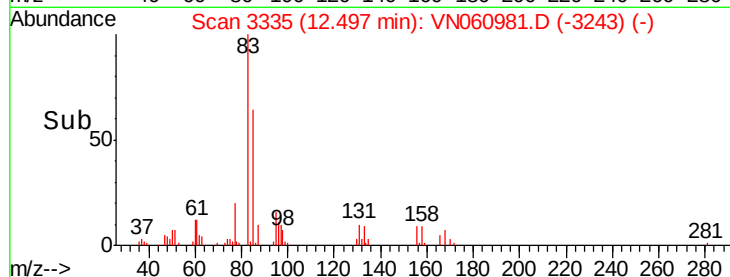
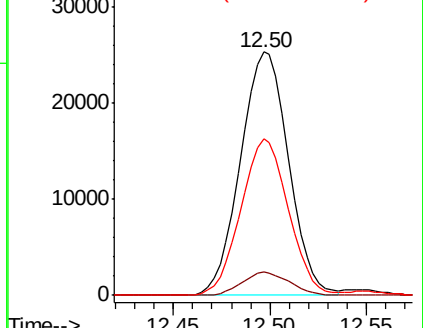
85 63.3 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060981.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060981.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060981.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 28.541 ug/l

RT: 12.54 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VN060981.D

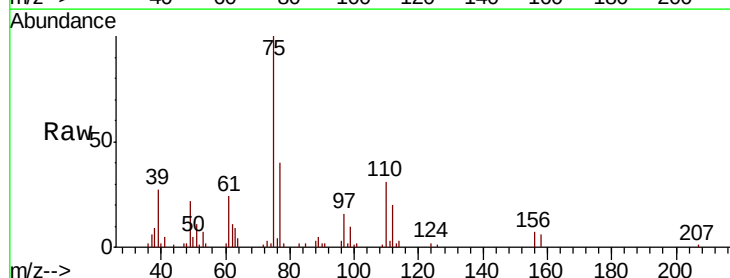
Acq: 15 Apr 2020 23:02

Tgt Ion: 75 Resp: 57531

Ion Ratio Lower Upper

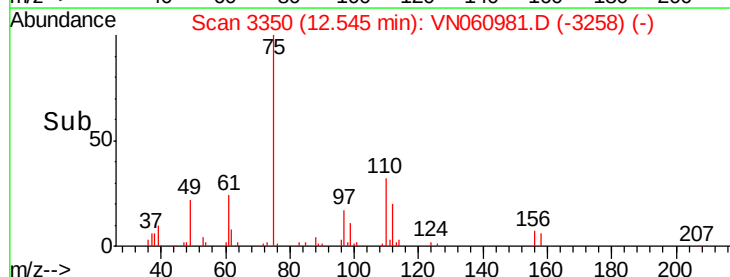
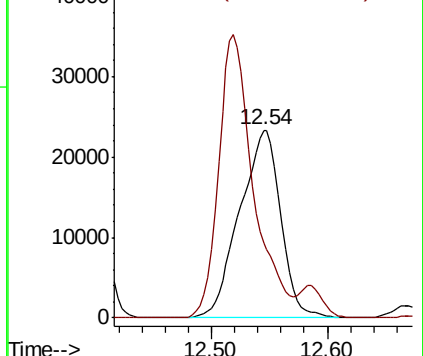
75 100

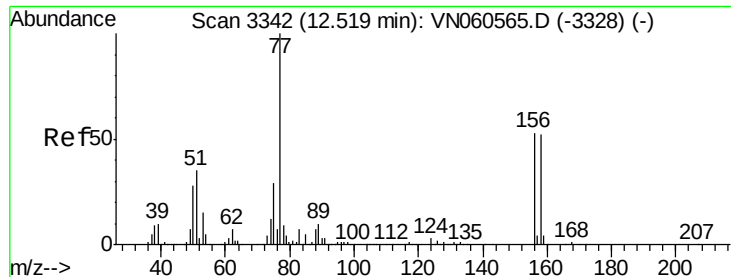
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060981.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060981.D (-3351) (-)





#77

Bromobenzene

Concen: 18.650 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

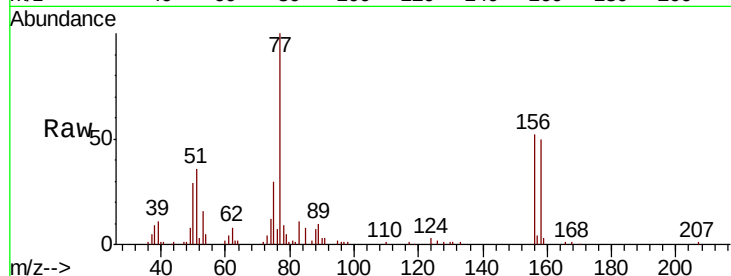
Tot Ion:156 Resp: 31506

Ion Ratio Lower Upper

156 100

77 232.7 112.3 337.0

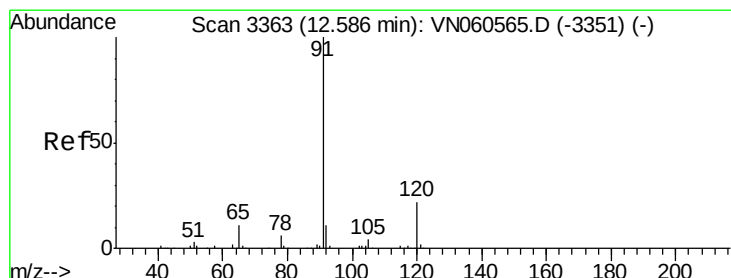
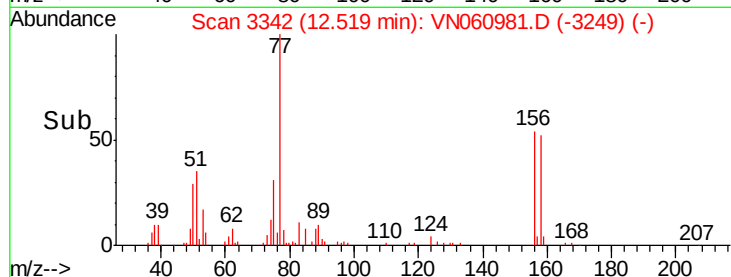
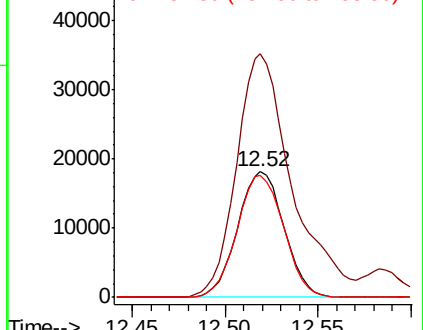
158 97.2 48.6 145.8



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: 18.915 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060981.D

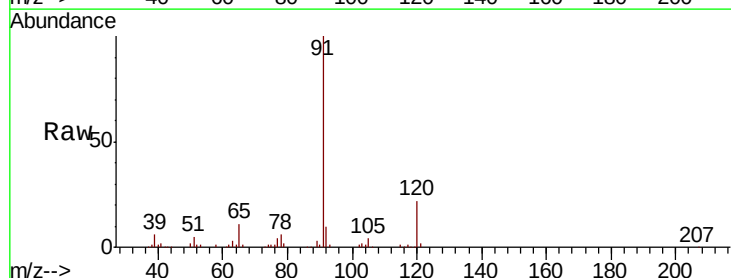
Acq: 15 Apr 2020 23:02

Tgt Ion: 91 Resp: 156664

Ion Ratio Lower Upper

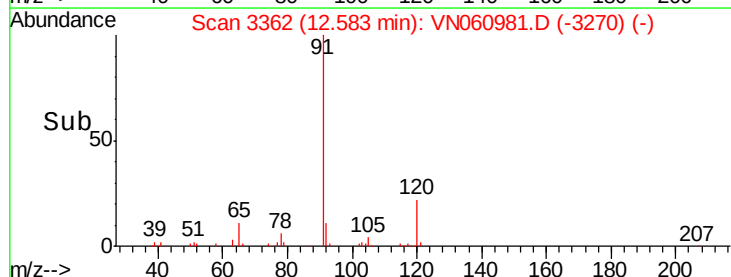
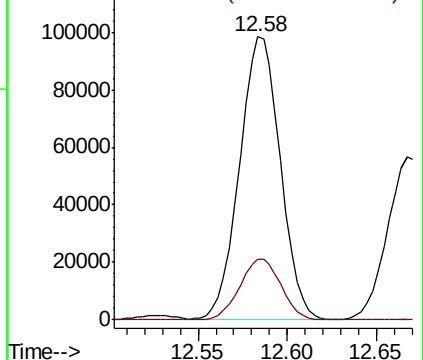
91 100

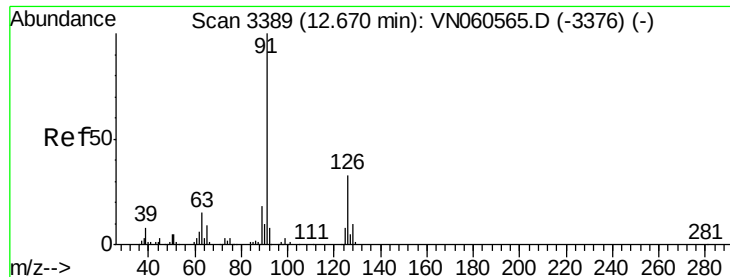
120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.668 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

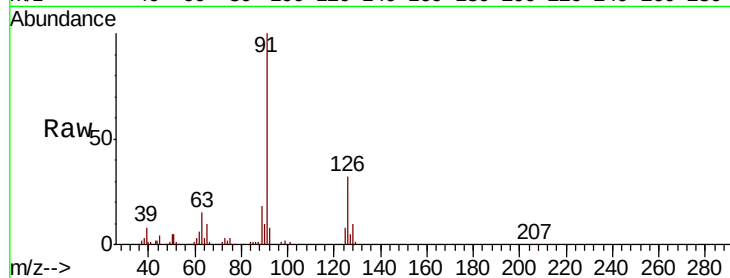
ClientSampled :

Tot Ion: 91 Resp: 92382

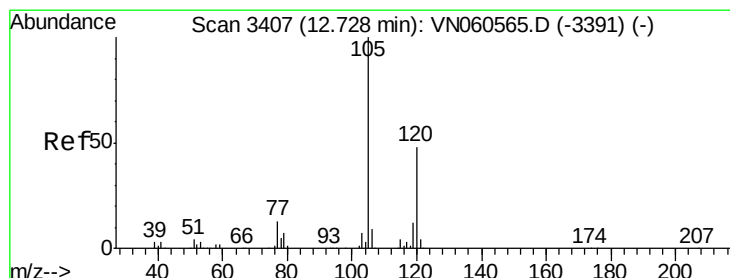
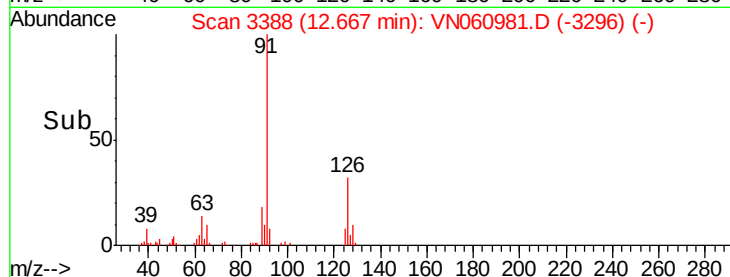
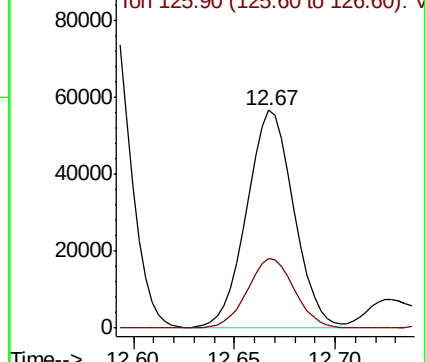
Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060981.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.362 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060981.D

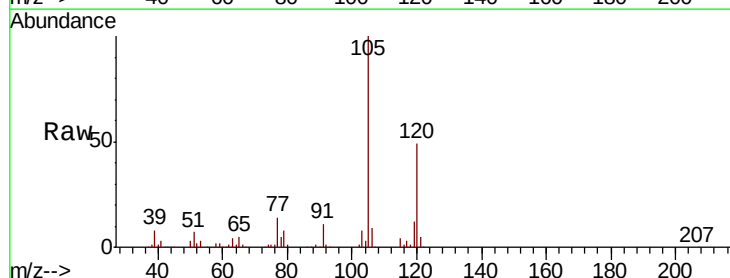
Acq: 15 Apr 2020 23:02

Tgt Ion:105 Resp: 109240

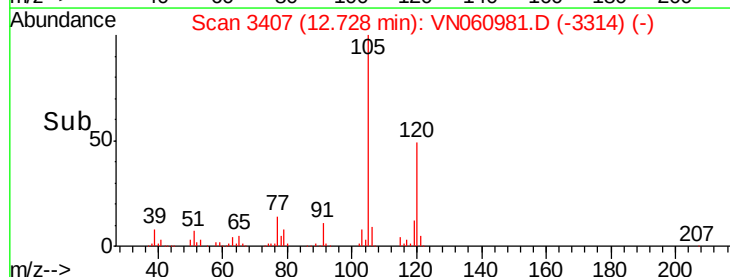
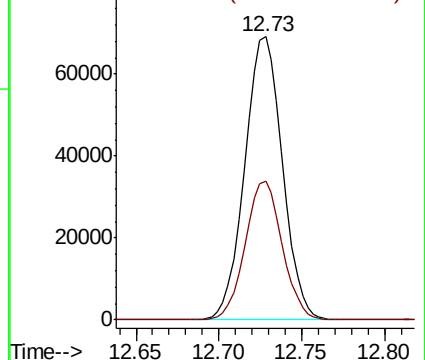
Ion Ratio Lower Upper

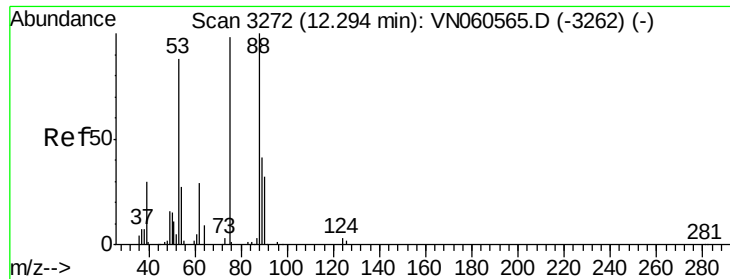
105 100

120 48.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060981.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.959 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampled :

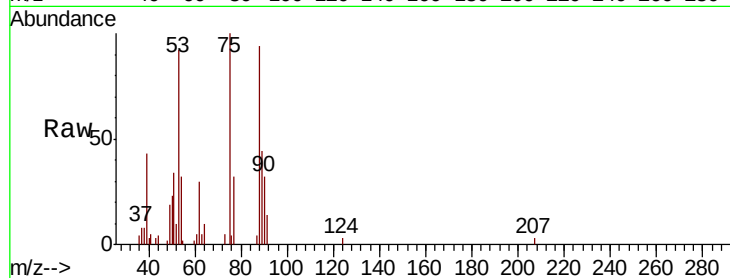
Tot Ion: 75 Resp: 14095

Ion Ratio Lower Upper

75 100

53 92.1 73.0 109.4

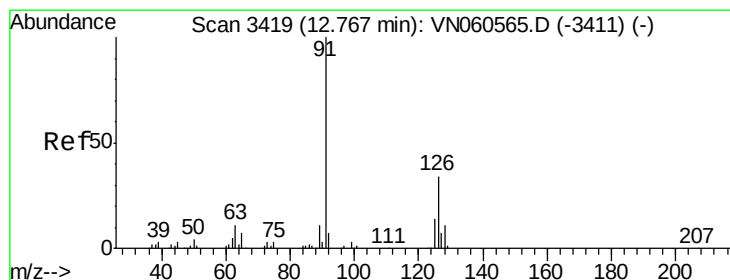
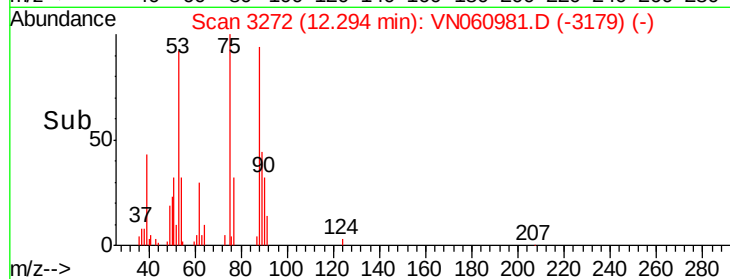
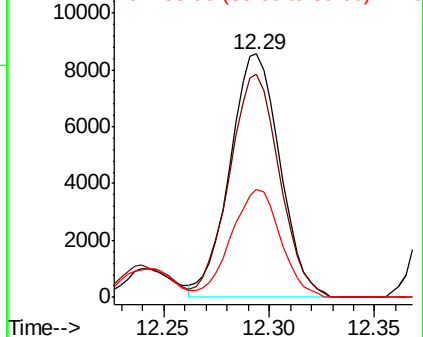
89 44.0 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.867 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN060981.D

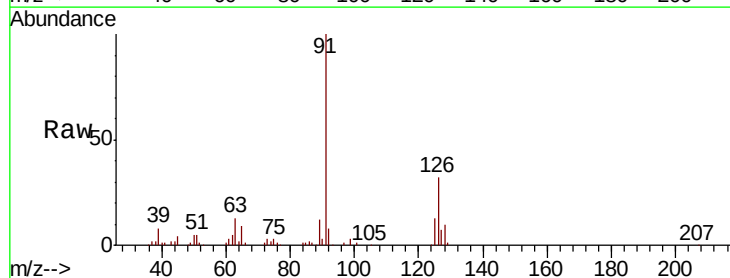
Acq: 15 Apr 2020 23:02

Tgt Ion: 91 Resp: 95093

Ion Ratio Lower Upper

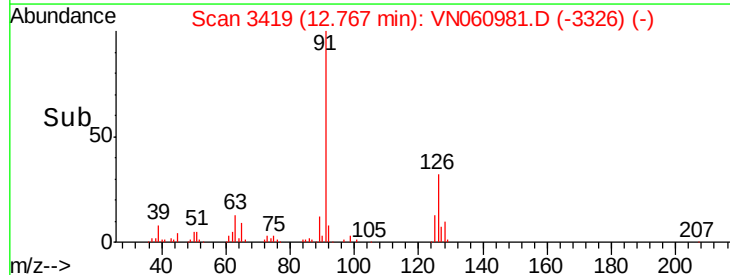
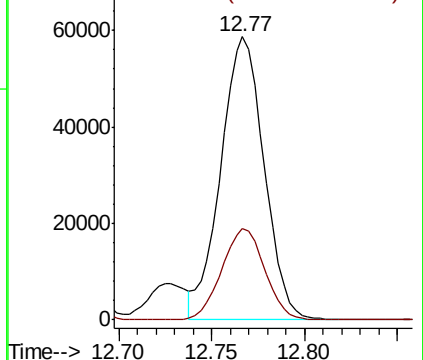
91 100

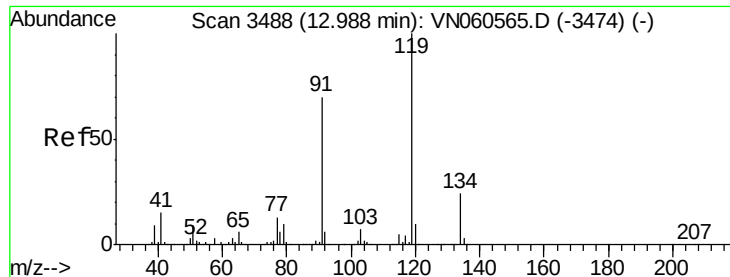
126 32.0 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

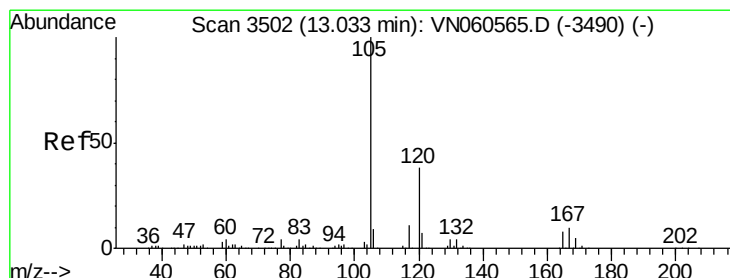
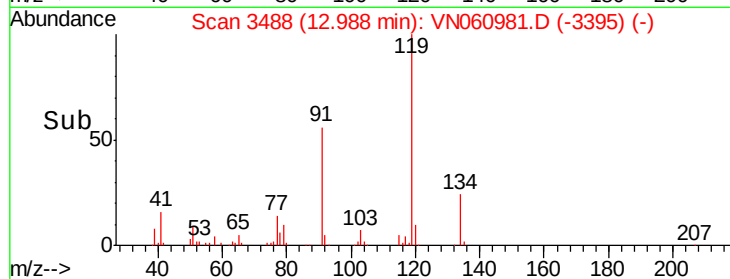
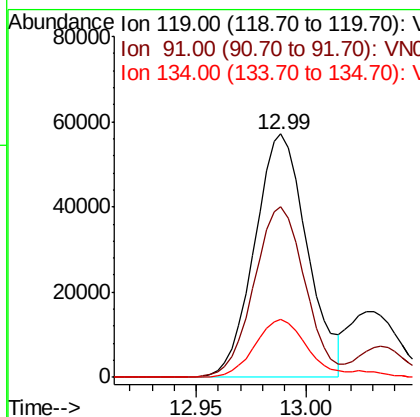
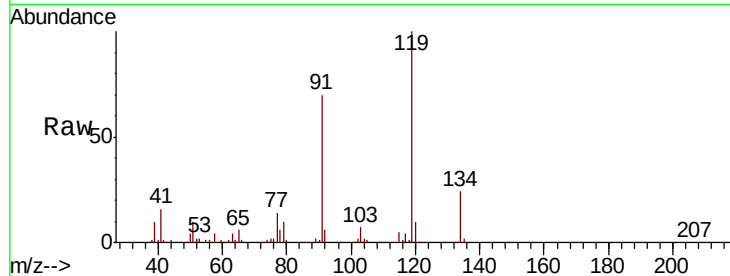




#83
 tert-Butylbenzene
 Concen: 19.156 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

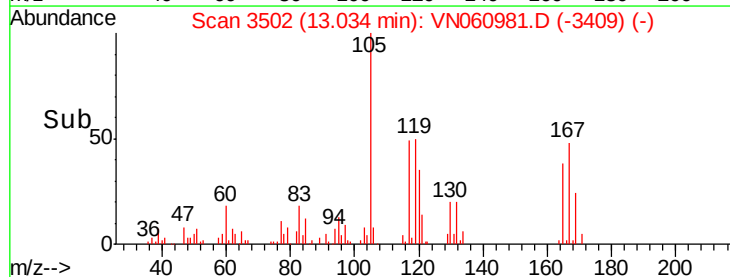
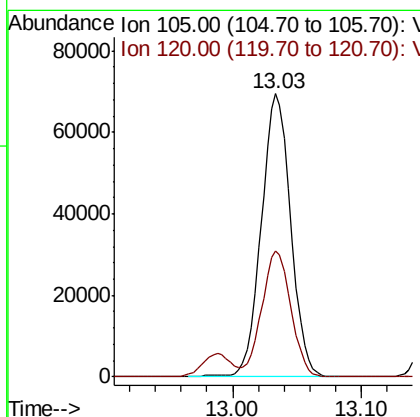
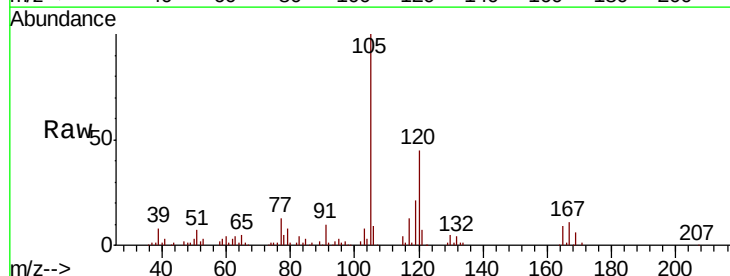
Instrument :
 MSVOA_N
 ClientSampled :

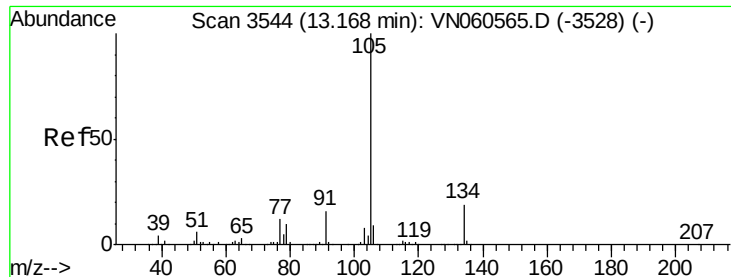
Tot Ion:119 Resp: 94474
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.0 101.8
 134 23.4 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.745 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion:105 Resp: 110325
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5

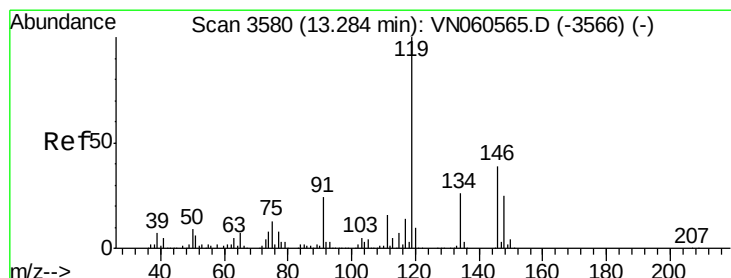
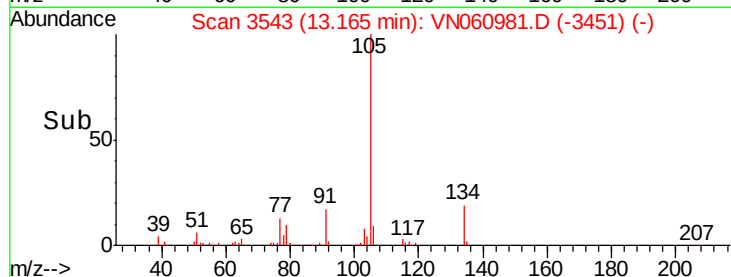
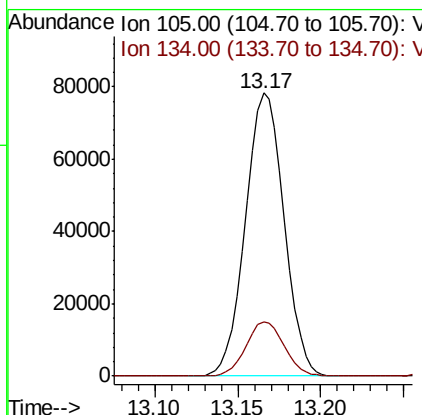
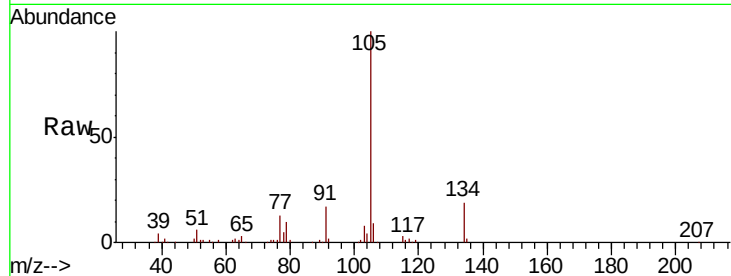




#85
 sec-Butylbenzene
 Concen: 19.170 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

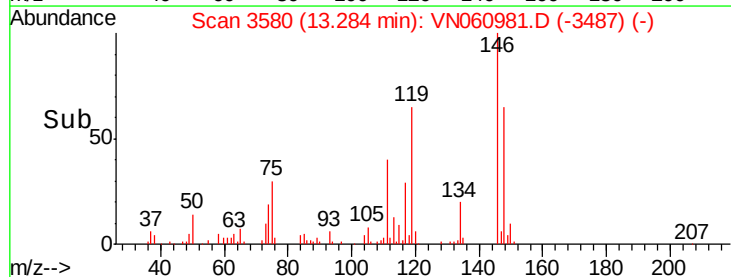
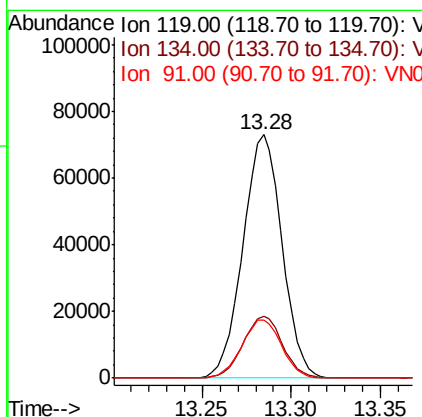
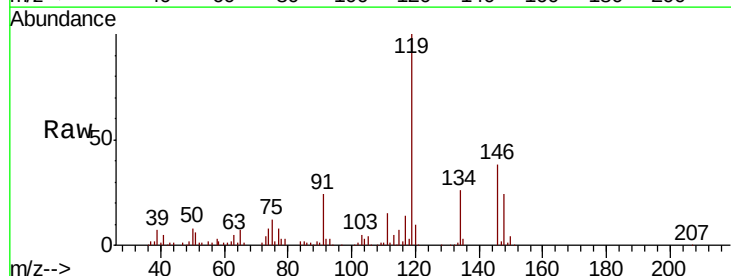
Instrument :
 MSVOA_N
 ClientSampled :

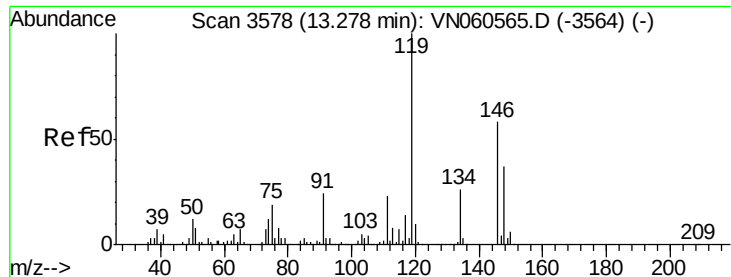
Tot Ion:105 Resp: 127131
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 18.707 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion:119 Resp: 111559
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 39.0
 91 24.4 12.0 36.0

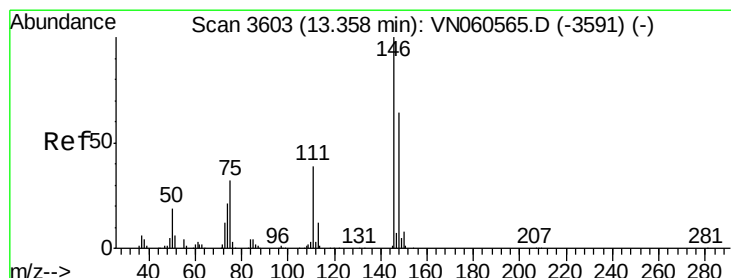
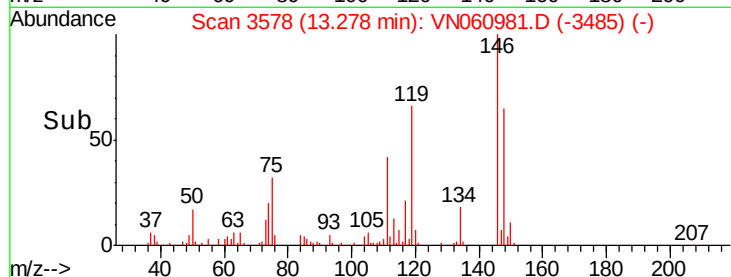
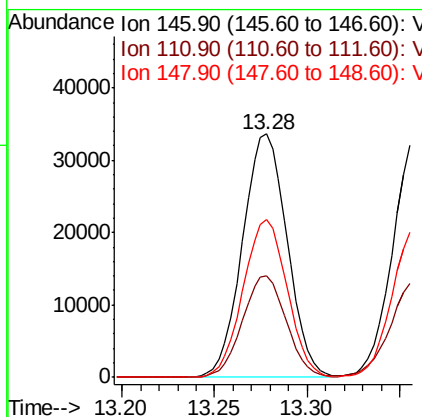
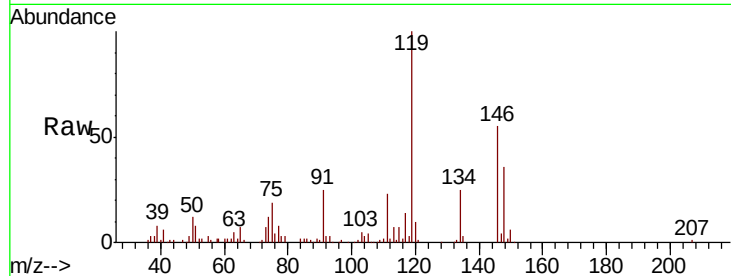




#87
 1,3-Dichlorobenzene
 Concen: 18.884 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

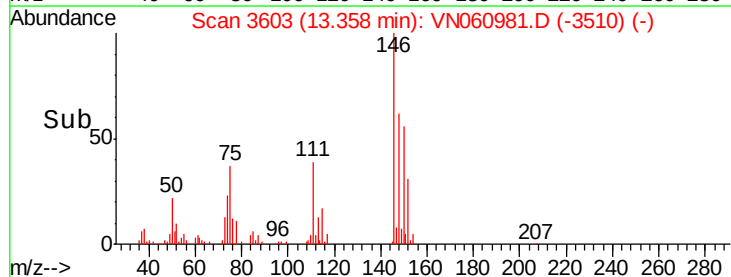
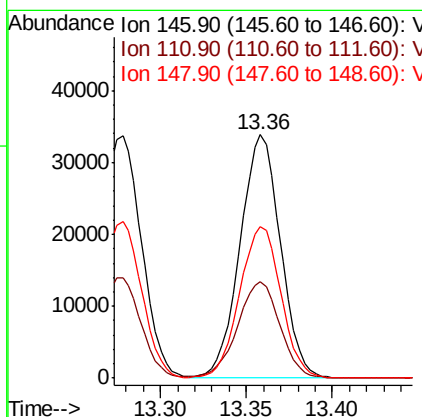
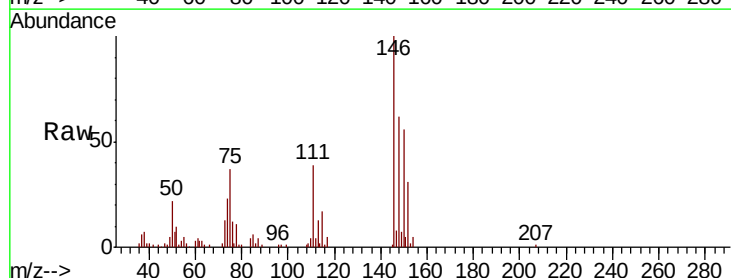
Instrument :
 MSVOA_N
 ClientSampled :

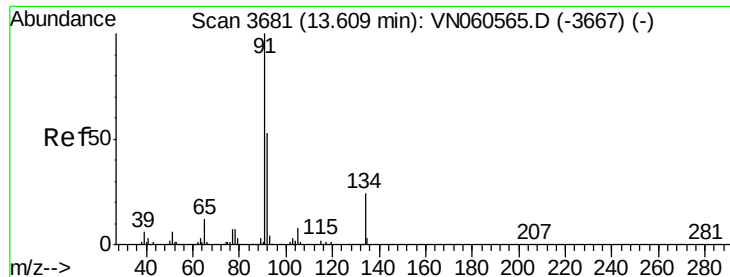
Tot Ion:146 Resp: 56264
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 60.8
 148 63.9 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 18.492 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion:146 Resp: 55354
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.6 58.7
 148 63.9 32.1 96.3

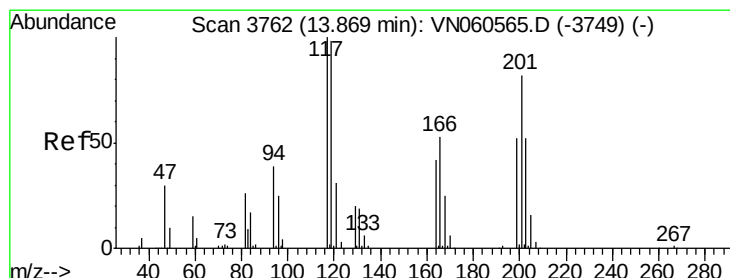
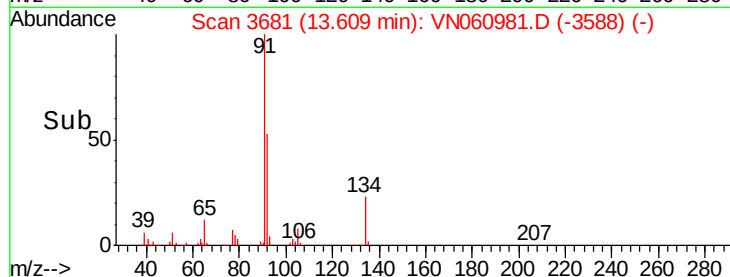
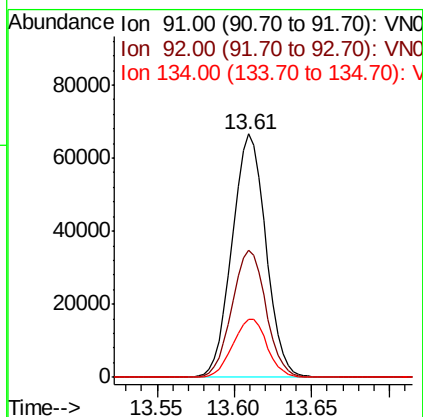
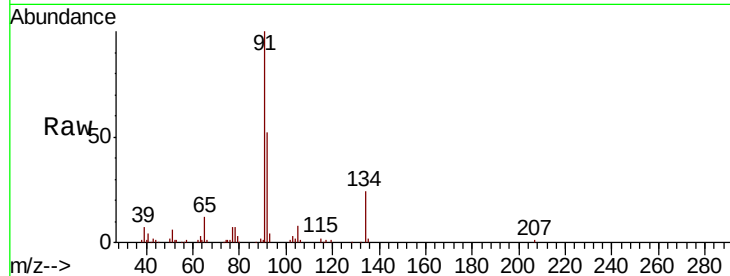




#89
n-Butylbenzene
Concen: 18.718 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

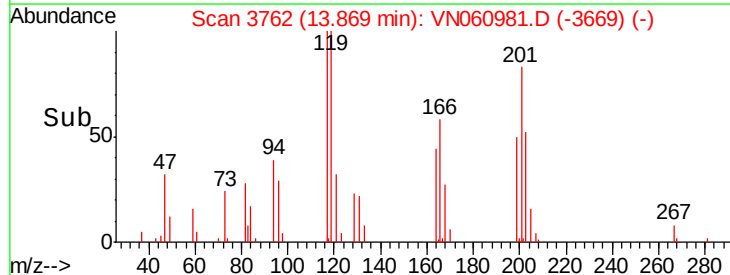
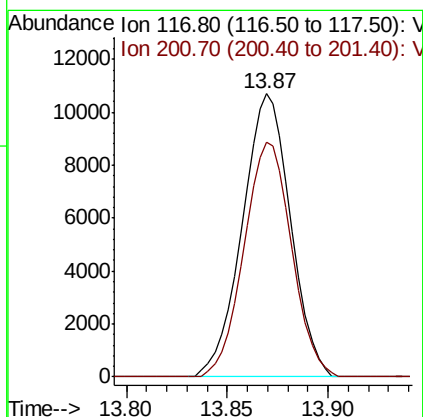
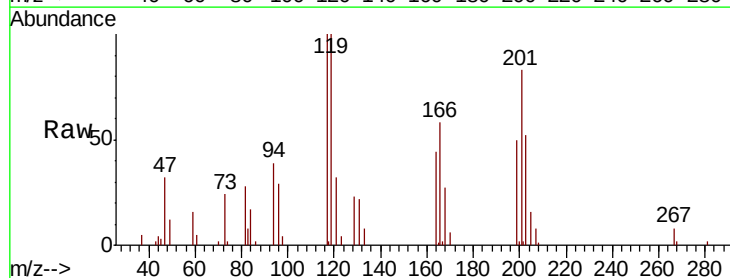
Instrument :
MSVOA_N
ClientSampled :

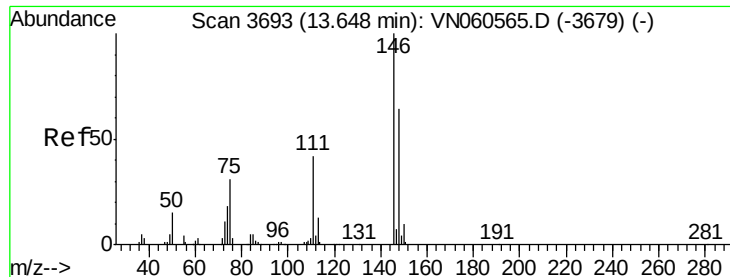
Tot Ion: 91 Resp: 100778
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.5
134 24.3 12.3 36.9



#90
Hexachloroethane
Concen: 20.607 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 117 Resp: 17863
Ion Ratio Lower Upper
117 100
201 81.9 40.8 122.5

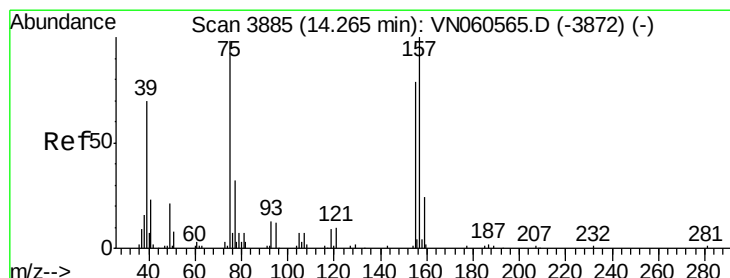
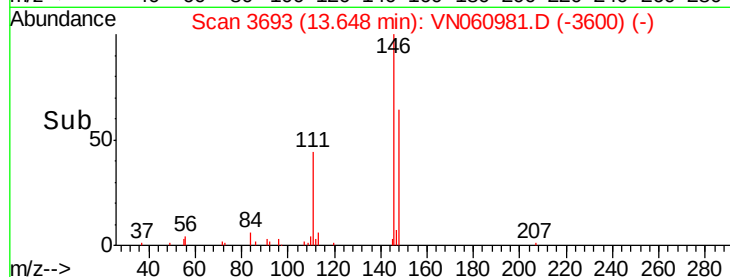
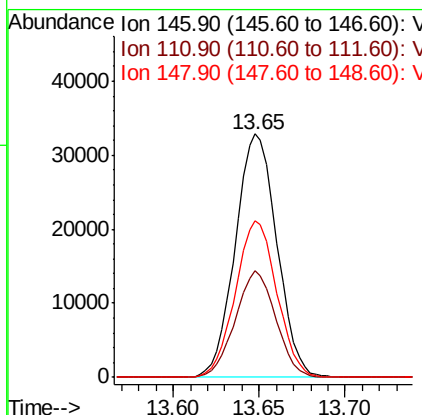
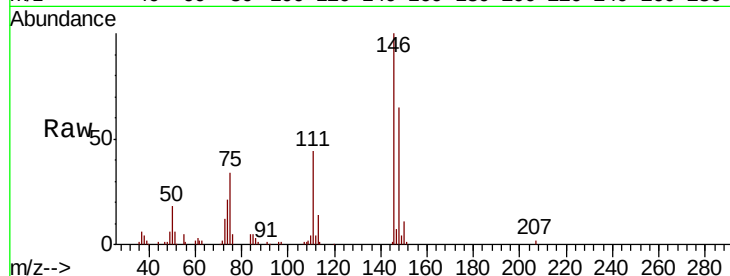




#91
 1,2-Dichlorobenzene
 Concen: 19.320 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

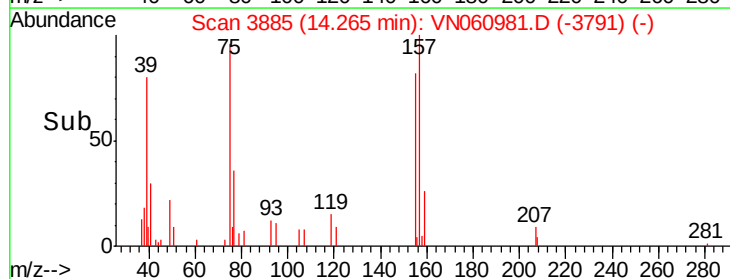
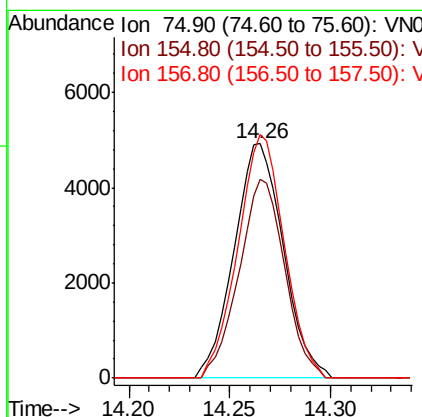
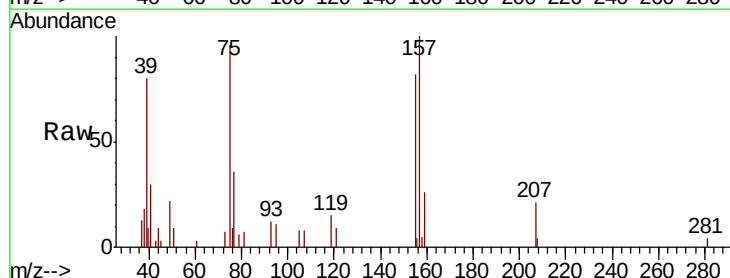
Instrument :
 MSVOA_N
 ClientSampleId :

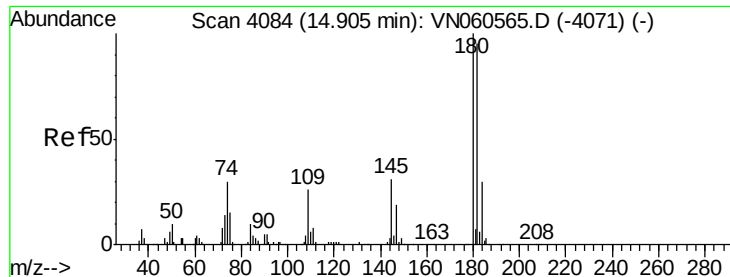
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.0	63.0
148	64.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.815 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	40.7	122.1
157	97.8	51.5	154.7

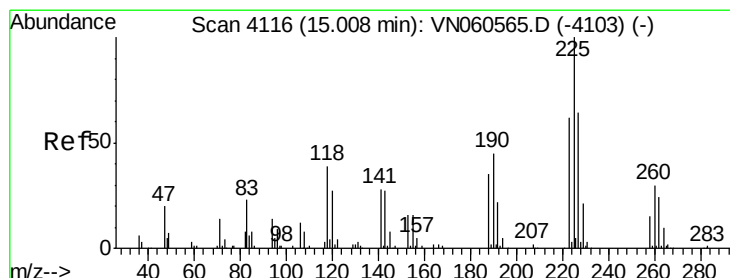
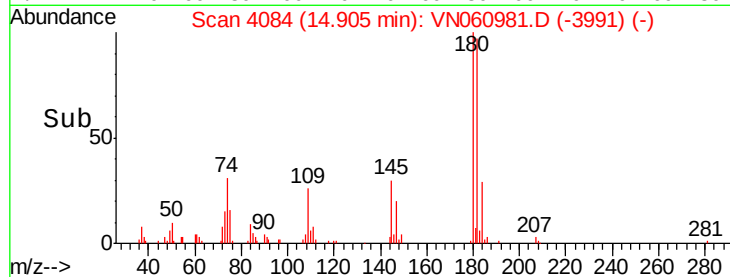
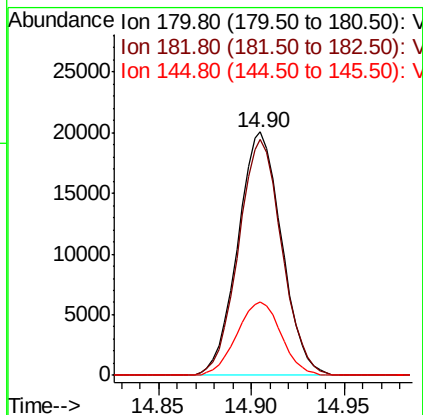
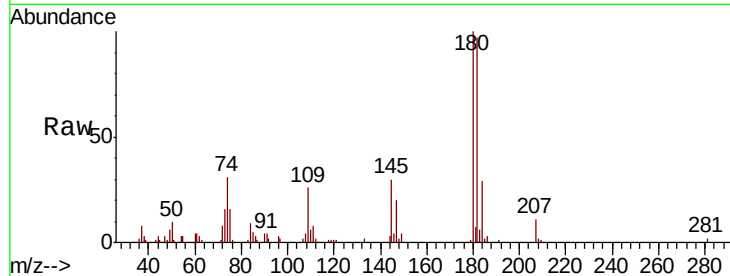




#93
 1,2,4-Trichlorobenzene
 Concen: 18.833 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

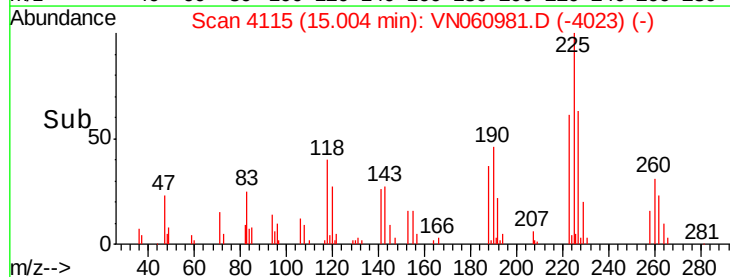
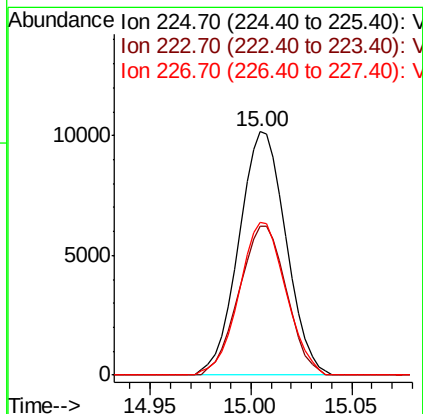
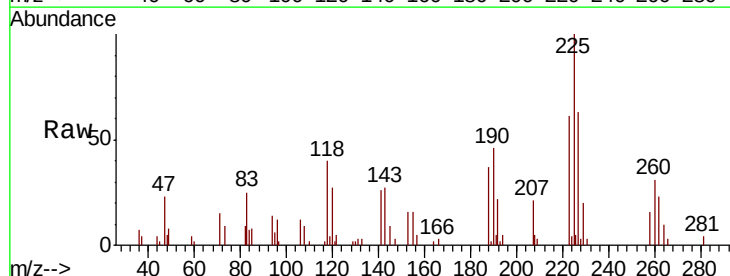
Instrument :
 MSVOA_N
 ClientSampled :

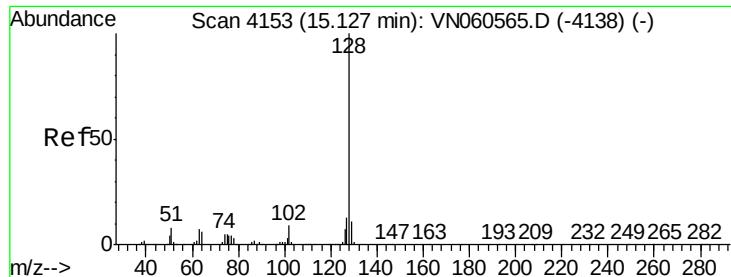
Tot Ion:180 Resp: 32948
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.9 143.8
 145 30.4 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 19.414 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion:225 Resp: 16650
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.6 95.0
 227 62.2 32.3 96.8





#95

Naphthalene

Concen: 18.769 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

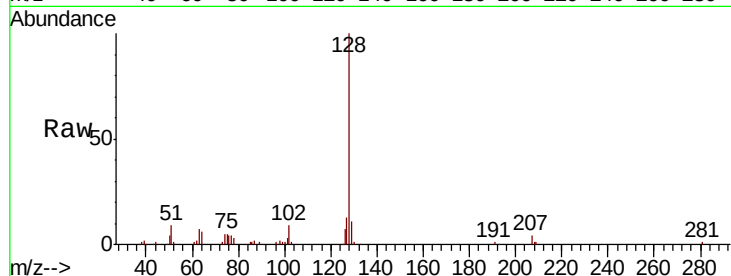
Tot Ion:128 Resp: 98765

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

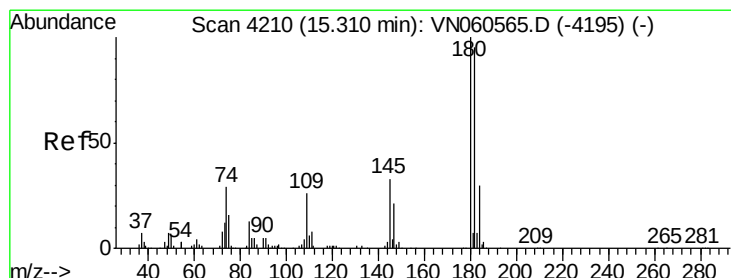
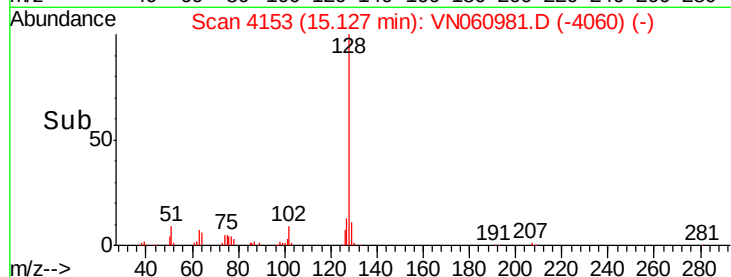
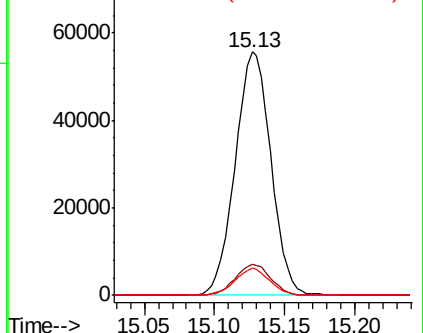
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.429 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

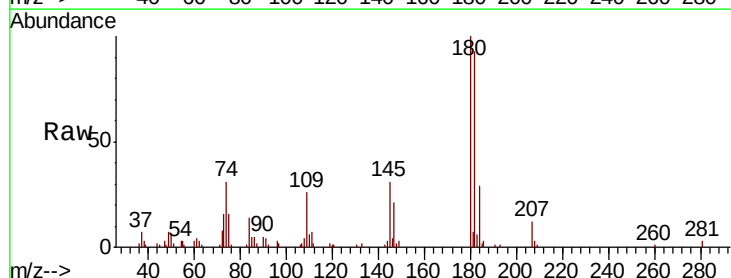
Tgt Ion:180 Resp: 33480

Ion Ratio Lower Upper

180 100

182 93.6 47.5 142.6

145 31.8 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

