

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059780.D
 Acq On : 20 Jan 2020 12:20
 Operator : JC/MD
 Sample : VN0120MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:15:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	295767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106215	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.56	113	89258	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.08	98	335258	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	118290	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43131	18.360	ug/l	95
3) Chloromethane	2.04	50	40366	18.014	ug/l	100
4) Vinyl Chloride	2.17	62	50241	19.595	ug/l	97
5) Bromomethane	2.54	94	31149	19.908	ug/l	97
6) Chloroethane	2.68	64	23265	19.180	ug/l	99
7) Trichlorofluoromethane	3.00	101	59261	19.246	ug/l	97
8) Diethyl Ether	3.38	74	21548	19.941	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34514	20.140	ug/l	92
10) Methyl Iodide	3.93	142	51694	18.662	ug/l	96
11) Tert butyl alcohol	4.73	59	34765	95.008	ug/l	99
12) 1,1-Dichloroethene	3.72	96	33495	18.705	ug/l	93
13) Acrolein	3.58	56	14173	54.717	ug/l	98
14) Allyl chloride	4.30	41	46324	19.192	ug/l #	87
15) Acrylonitrile	4.95	53	80726	96.714	ug/l	99
16) Acetone	3.78	43	74775	94.641	ug/l	97
17) Carbon Disulfide	4.03	76	90113	17.665	ug/l	99
18) Methyl Acetate	4.29	43	49548	19.515	ug/l #	91
19) Methyl tert-butyl Ether	5.00	73	114574	19.624	ug/l	95
20) Methylene Chloride	4.52	84	39461	19.271	ug/l #	85
21) trans-1,2-Dichloroethene	5.01	96	36373	19.108	ug/l	86
22) Diisopropyl ether	5.91	45	104624	19.127	ug/l #	90
23) Vinyl Acetate	5.86	43	403259	95.221	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	62840	18.802	ug/l	99
25) 2-Butanone	6.80	43	106906	86.851	ug/l #	90
26) 2,2-Dichloropropane	6.80	77	59578	18.542	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	42301	19.321	ug/l	87
28) Bromochloromethane	7.17	49	24913	18.650	ug/l #	72
29) Tetrahydrofuran	7.18	42	69403	91.129	ug/l	88
30) Chloroform	7.35	83	67833	19.588	ug/l	97
31) Cyclohexane	7.63	56	57129	17.764	ug/l #	84
32) 1,1,1-Trichloroethane	7.55	97	62007	19.366	ug/l	95
36) 1,1-Dichloropropene	7.77	75	50051	19.432	ug/l	95
37) Ethyl Acetate	6.90	43	44759	18.528	ug/l #	93
38) Carbon Tetrachloride	7.75	117	55457	19.794	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	59993	18.890	ug/l	90
40) Benzene	8.02	78	145720	18.970	ug/l	100
41) Methacrylonitrile	7.18	41	64146	53.909	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	52042	19.982	ug/l	95
43) Isopropyl Acetate	8.14	43	77042	18.541	ug/l #	95
44) Trichloroethene	8.82	130	42672	20.349	ug/l	96
45) 1,2-Dichloropropane	9.10	63	37727	19.848	ug/l	99
46) Dibromomethane	9.19	93	27019	20.151	ug/l	90
47) Bromodichloromethane	9.39	83	54485	20.165	ug/l #	99
48) Methyl methacrylate	9.18	41	34099	18.347	ug/l	88
49) 1,4-Dioxane	9.18	88	13681	402.097	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	222005	92.426	ug/l	95
52) Toluene	10.14	92	94729	19.524	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	58907	19.525	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	63512	20.007	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	38356	19.960	ug/l	98
56) Ethyl methacrylate	10.42	69	54428	18.536	ug/l	94
57) 1,3-Dichloropropane	10.70	76	60693	19.894	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	91677	103.657	ug/l	90
59) 2-Hexanone	10.74	43	157847	89.202	ug/l	92
60) Dibromochloromethane	10.89	129	43507	19.881	ug/l	98
61) 1,2-Dibromoethane	10.99	107	40797	20.255	ug/l	97
64) Tetrachloroethene	10.62	164	43321	20.022	ug/l	93
65) Chlorobenzene	11.43	112	105064	20.135	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	40744	20.208	ug/l	98
67) Ethyl Benzene	11.50	91	183974	19.422	ug/l	99
68) m/p-Xylenes	11.62	106	141292	39.488	ug/l	93
69) o-Xylene	11.94	106	69109	19.728	ug/l	93
70) Styrene	11.96	104	112134	19.130	ug/l	96
71) Bromoform	12.12	173	32798	20.308	ug/l #	98
73) Isopropylbenzene	12.25	105	181606	19.844	ug/l	99
74) N-amyl acetate	12.07	43	64000	18.022	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	51246	19.316	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	69306	33.002	ug/l #	100
77) Bromobenzene	12.52	156	47599	20.538	ug/l	80
78) n-propylbenzene	12.59	91	203519	19.813	ug/l	97
79) 2-Chlorotoluene	12.67	91	120864	19.779	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	153871	19.992	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18520	18.939	ug/l	93
82) 4-Chlorotoluene	12.77	91	122715	20.021	ug/l	95
83) tert-Butylbenzene	12.99	119	130833	19.655	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	153589	20.171	ug/l	99
85) sec-Butylbenzene	13.17	105	172944	19.775	ug/l	99
86) p-Isopropyltoluene	13.29	119	159253	19.679	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	80738	20.055	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	81500	20.293	ug/l	98
89) n-Butylbenzene	13.61	91	133004	19.276	ug/l	98
90) Hexachloroethane	13.87	117	29541	19.511	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	80027	20.108	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11738	19.332	ug/l	85

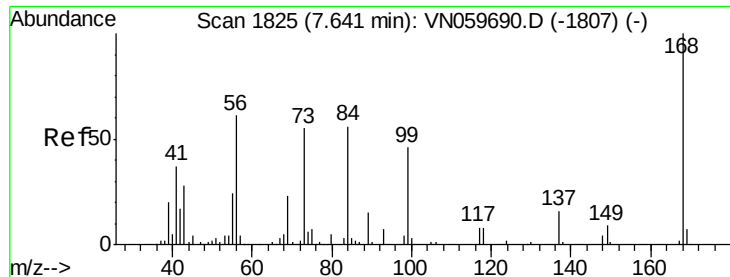
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47788	19.983	ug/l	99
94) Hexachlorobutadiene	15.01	225	25813	19.587	ug/l	98
95) Naphthalene	15.13	128	128044	18.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45763	19.660	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

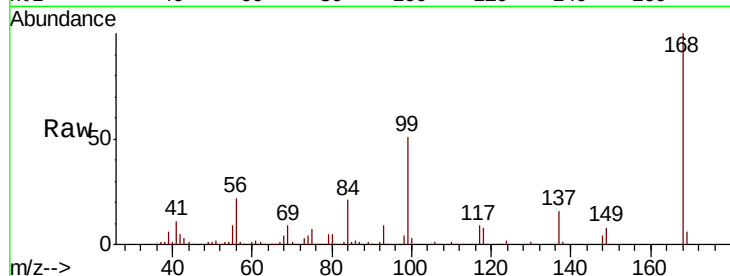
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 195729

Ion Ratio Lower Upper

168 100

99 51.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

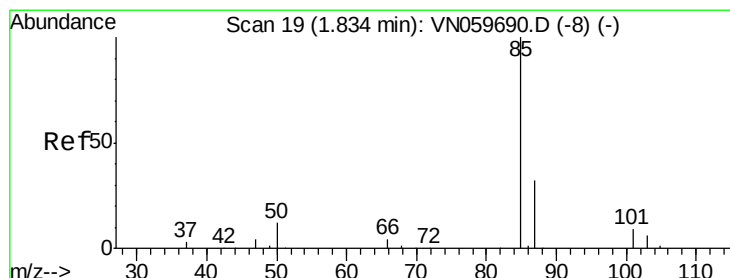
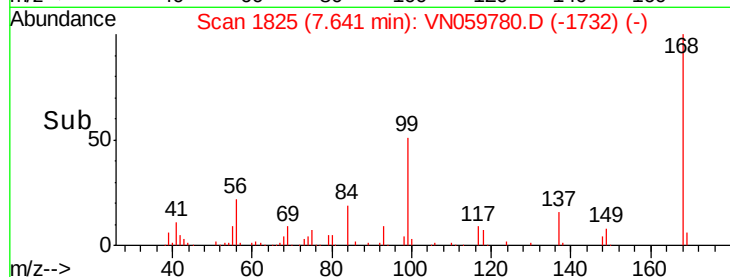
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.360 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059780.D

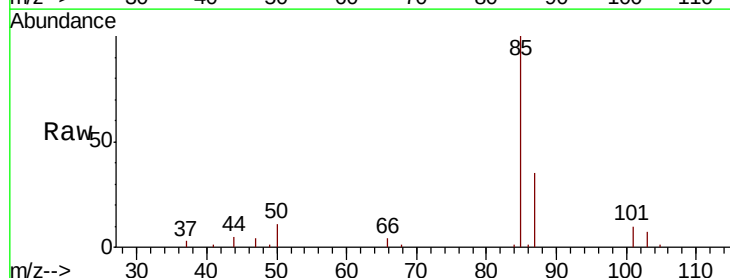
Acq: 20 Jan 2020 12:20

Tgt Ion: 85 Resp: 43131

Ion Ratio Lower Upper

85 100

87 34.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

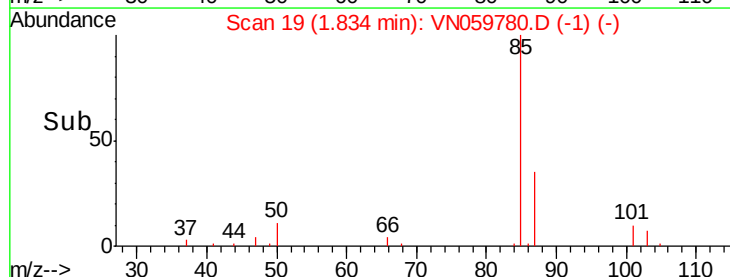
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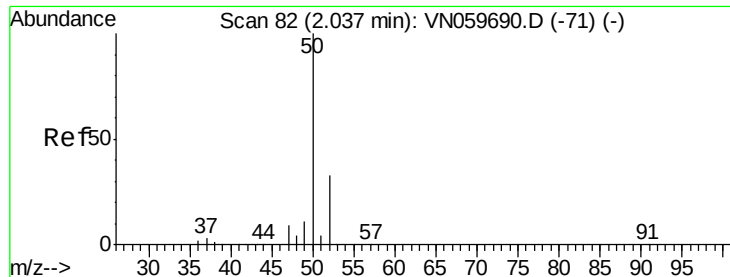
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0

1.80 1.85 1.90

Time-->

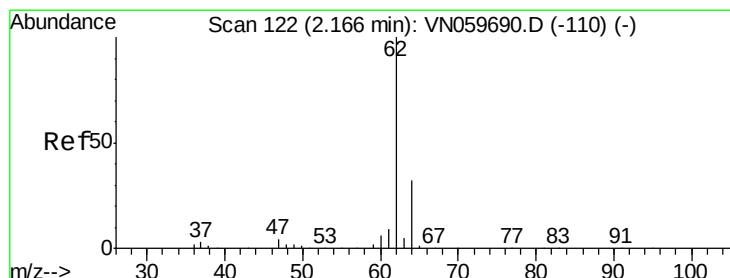
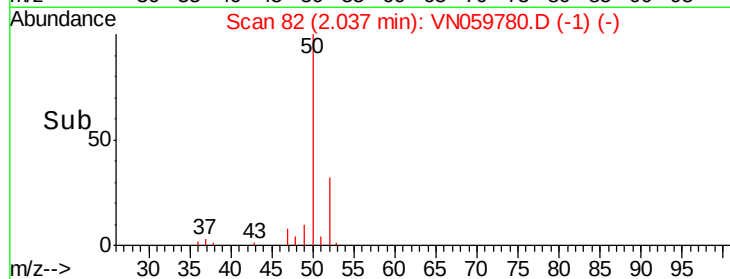
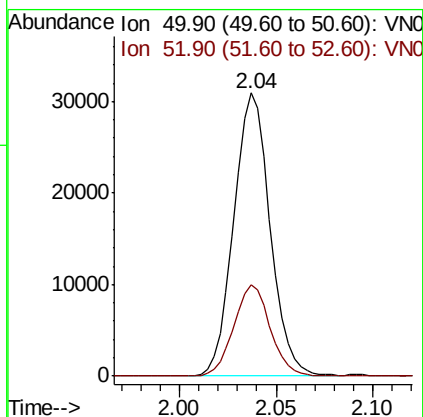
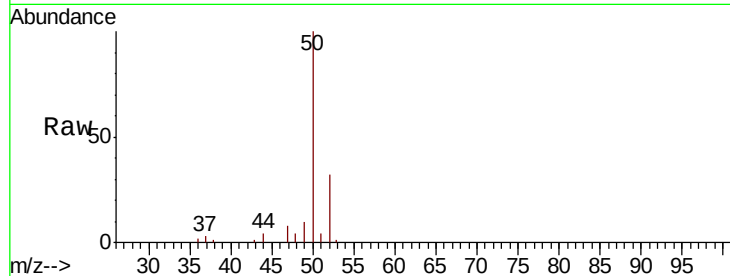




#3
Chloromethane
Concen: 18.014 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

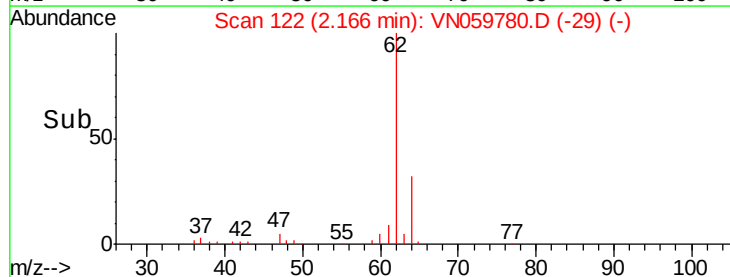
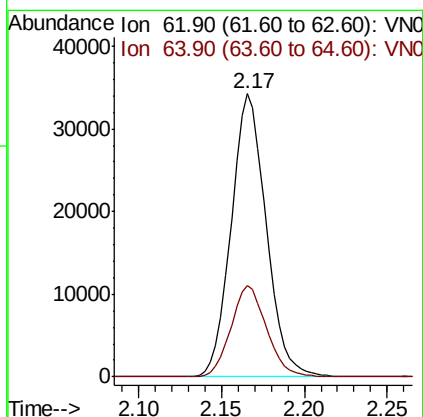
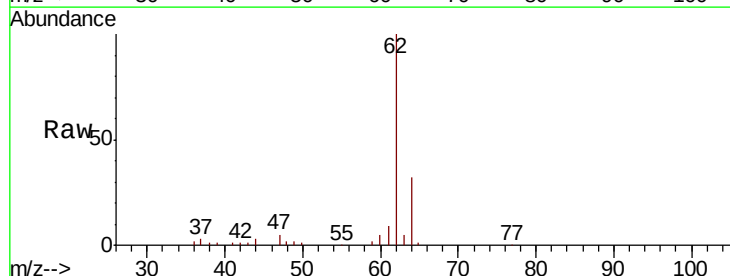
Instrument :
MSVOA_N
ClientSampleId :

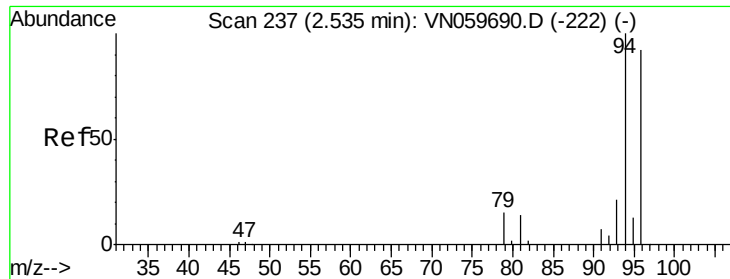
Tot Ion: 50 Resp: 40366
Ion Ratio Lower Upper
50 100
52 32.2 25.9 38.9



#4
Vinyl Chloride
Concen: 19.595 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 62 Resp: 50241
Ion Ratio Lower Upper
62 100
64 32.4 24.6 37.0

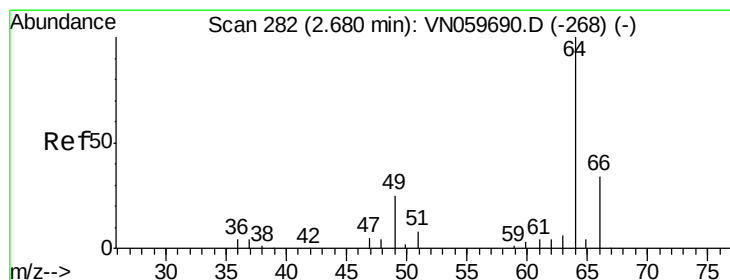
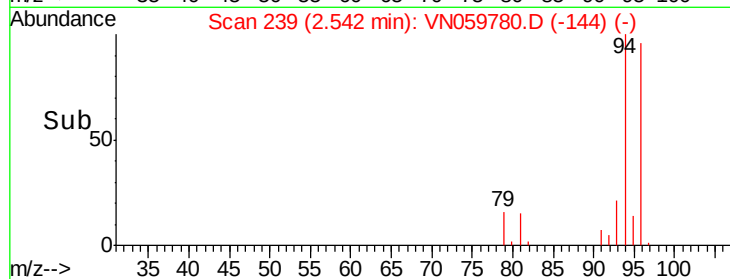
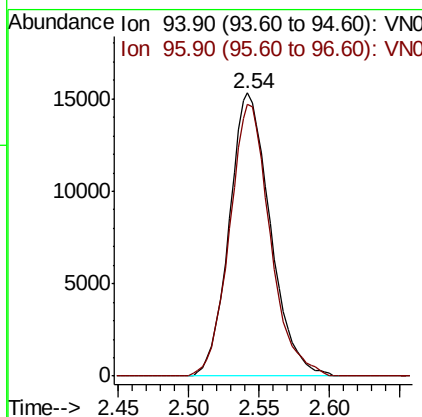
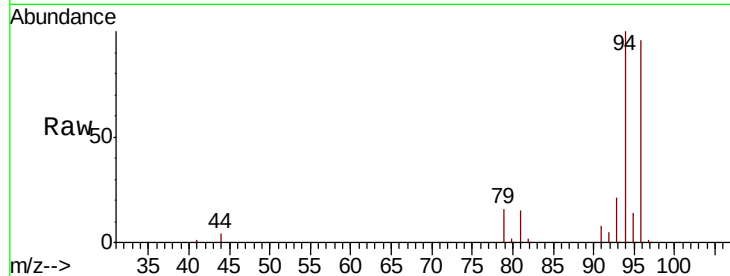




#5
Bromomethane
Concen: 19.908 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

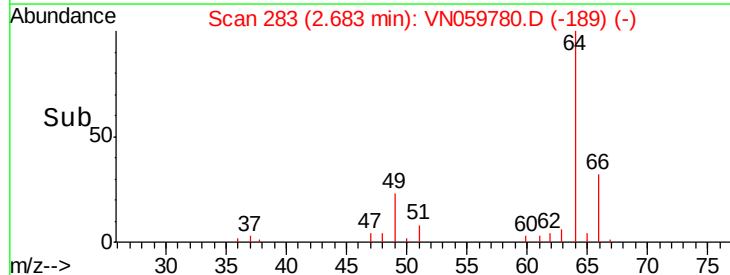
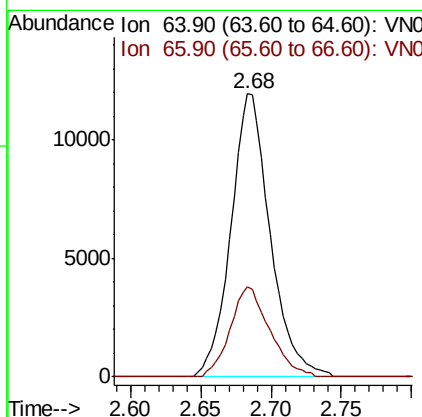
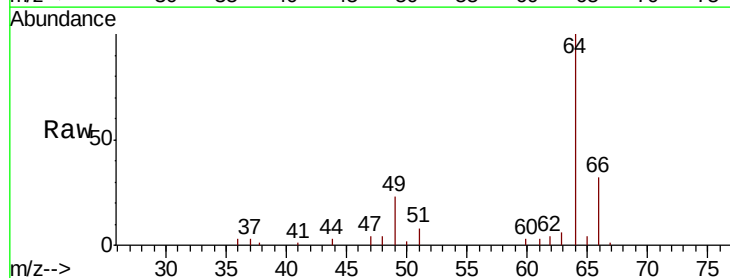
Instrument :
MSVOA_N
ClientSampleId :

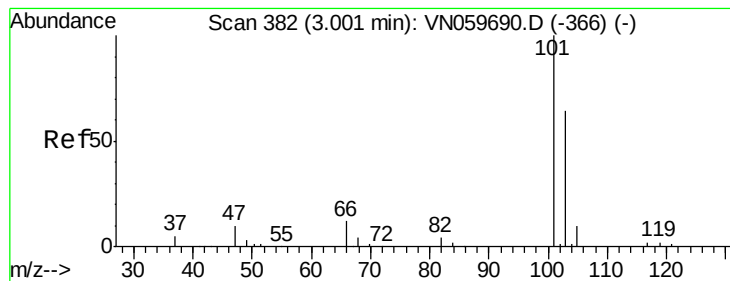
Tot Ion: 94 Resp: 31149
Ion Ratio Lower Upper
94 100
96 96.0 74.7 112.1



#6
Chloroethane
Concen: 19.180 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 64 Resp: 23265
Ion Ratio Lower Upper
64 100
66 31.7 25.1 37.7



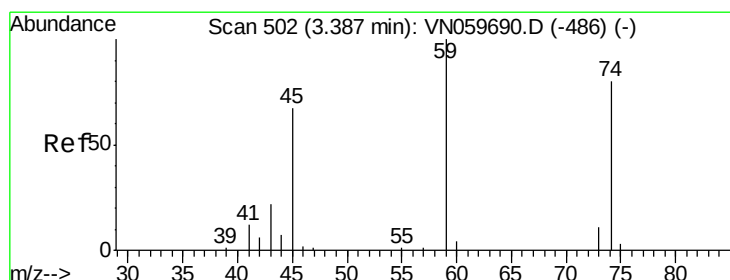
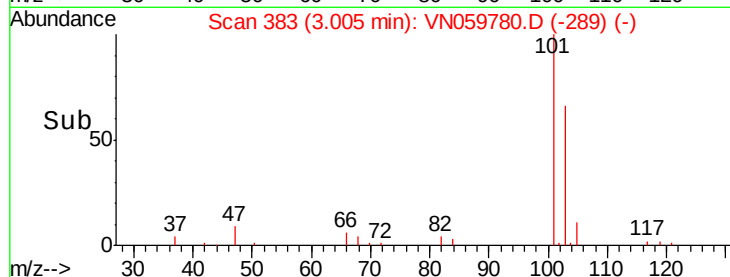
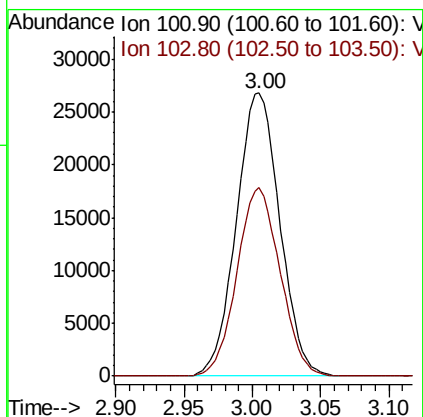
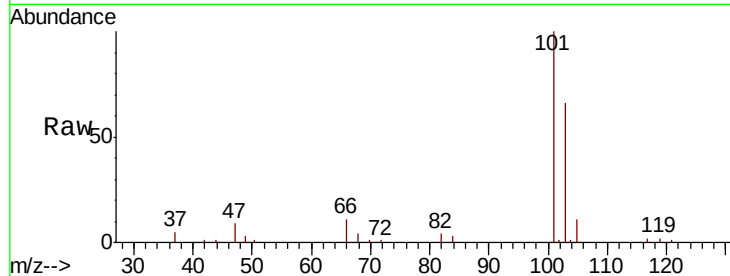


#7

Trichlorofluoromethane
Concen: 19.246 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Instrument :
MSVOA_N
ClientSampled :

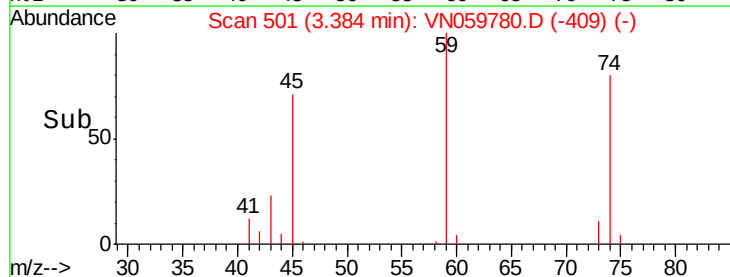
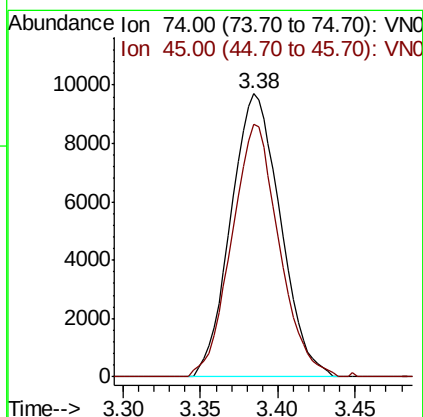
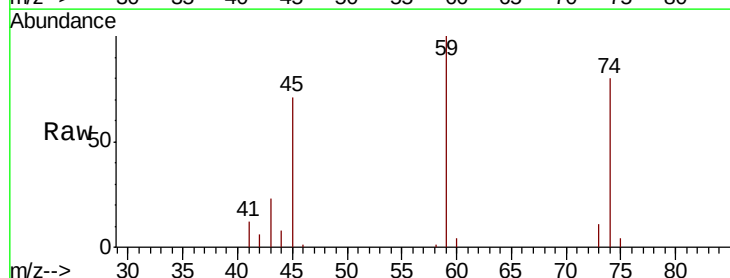
Tot Ion:101 Resp: 59261
Ion Ratio Lower Upper
101 100
103 66.4 51.0 76.6

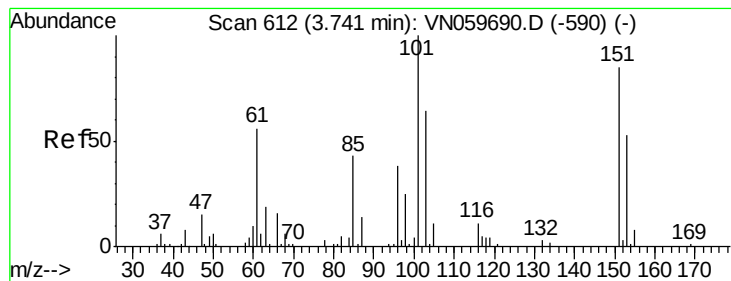


#8

Diethyl Ether
Concen: 19.941 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 74 Resp: 21548
Ion Ratio Lower Upper
74 100
45 85.6 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.140 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampled :

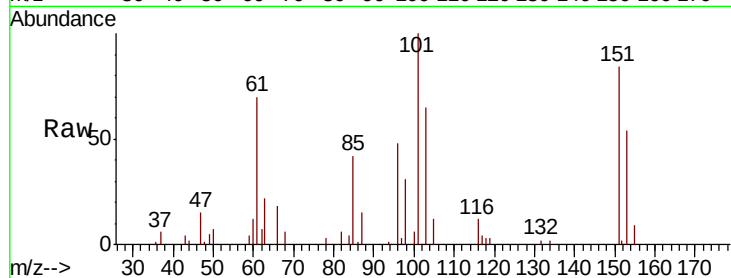
Tot Ion:101 Resp: 34514

Ion Ratio Lower Upper

101 100

85 42.8 36.6 54.8

151 83.7 59.7 89.5

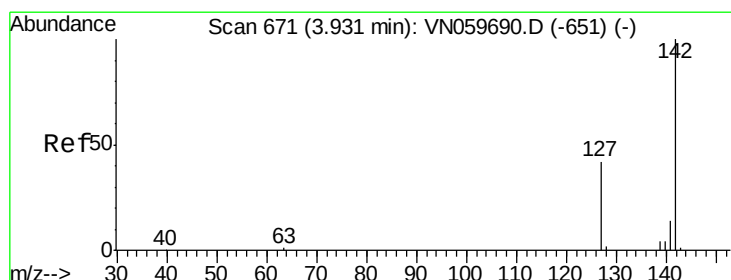
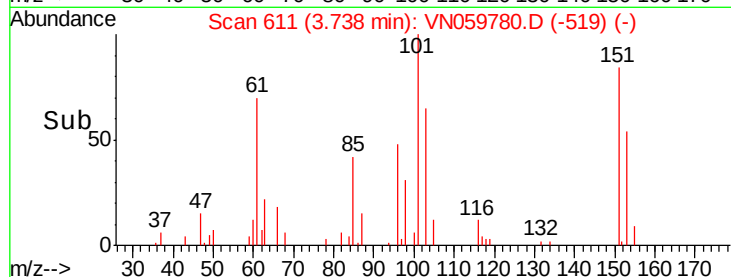
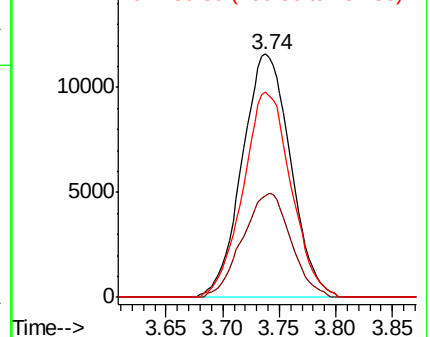


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.662 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

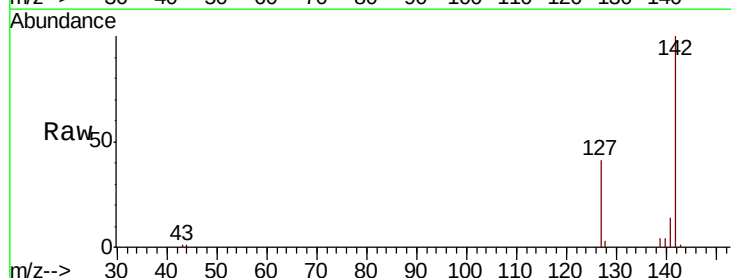
Tgt Ion:142 Resp: 51694

Ion Ratio Lower Upper

142 100

127 42.3 36.7 55.1

141 14.3 11.7 17.5

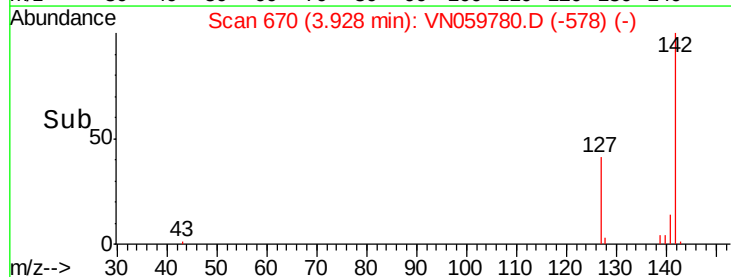
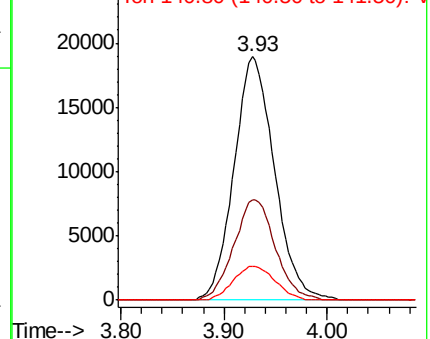


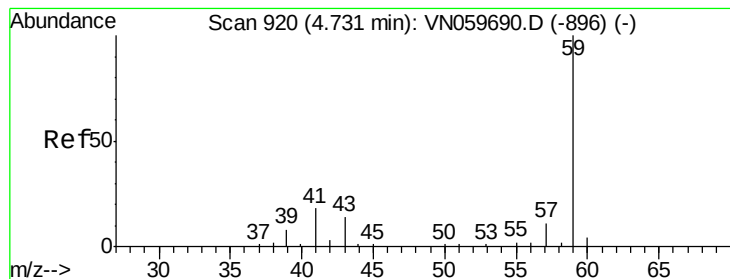
Abundance

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: 95.008 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

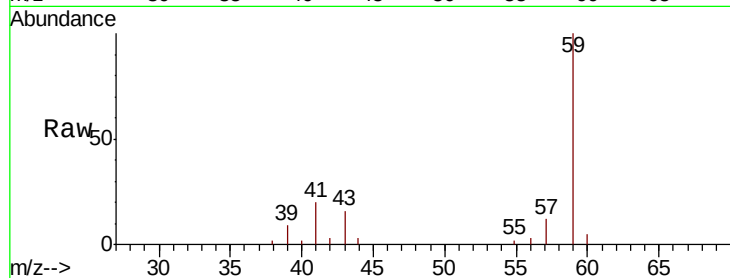
ClientSampled :

Tot Ion: 59 Resp: 34765

Ion Ratio Lower Upper

59 100

57 10.9 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN059690.D (-896) (-)

Ion 57.00 (56.70 to 57.70): VN059690.D (-896) (-)

4.73

10000

8000

6000

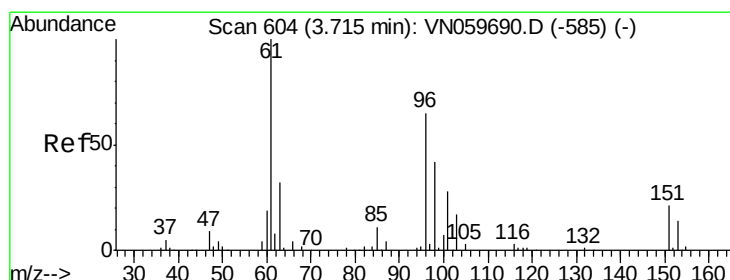
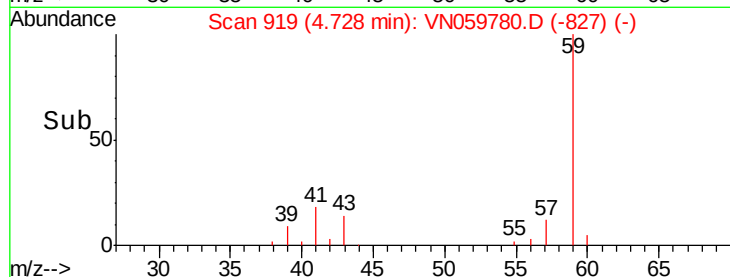
4000

2000

0

Time-->

4.60 4.70 4.80



#12

1,1-Dichloroethene

Concen: 18.705 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

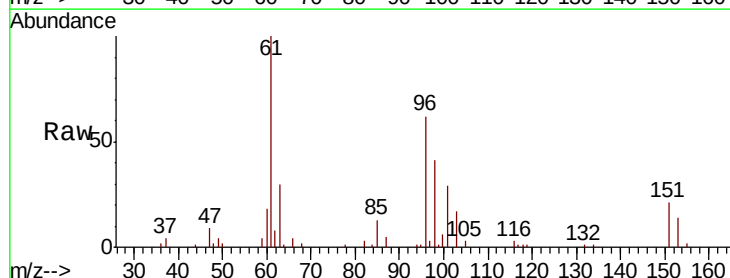
Tgt Ion: 96 Resp: 33495

Ion Ratio Lower Upper

96 100

61 160.2 137.5 206.3

98 65.9 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN059690.D (-585) (-)

Ion 60.90 (60.60 to 61.60): VN059690.D (-585) (-)

Ion 97.90 (97.60 to 98.60): VN059690.D (-585) (-)

25000

20000

15000

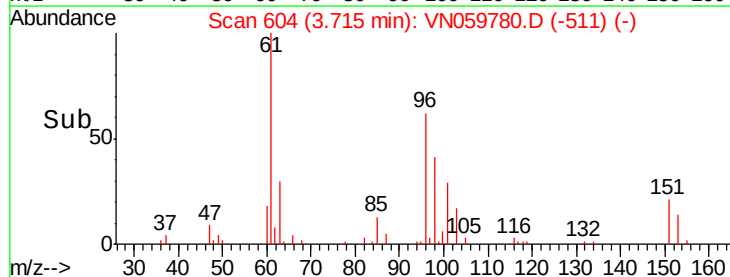
10000

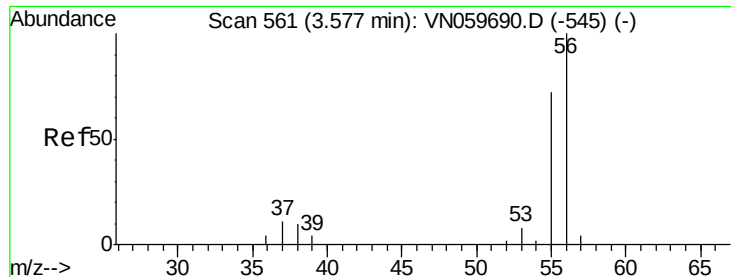
5000

0

Time-->

3.65 3.70 3.75 3.80

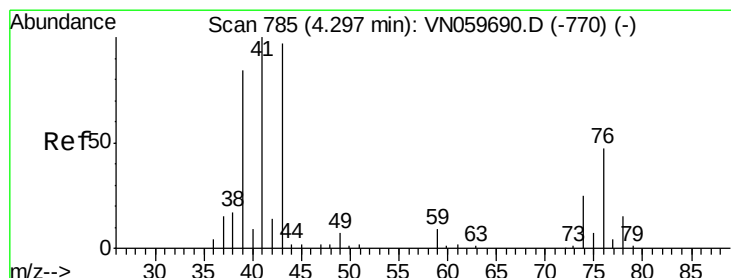
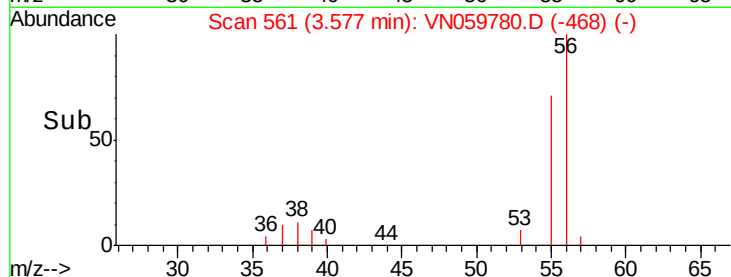
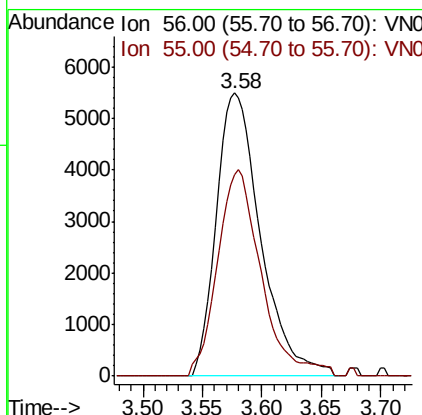
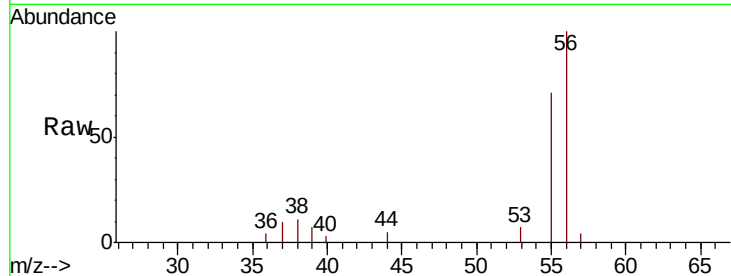




#13
Acrolein
Concen: 54.717 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

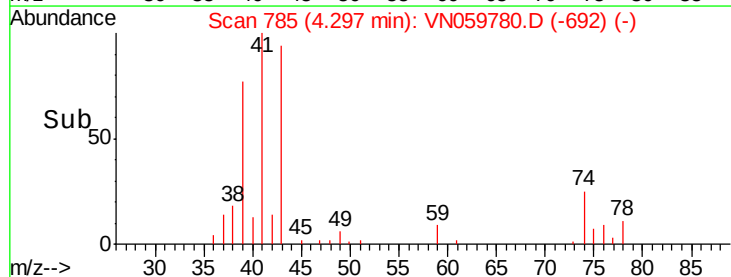
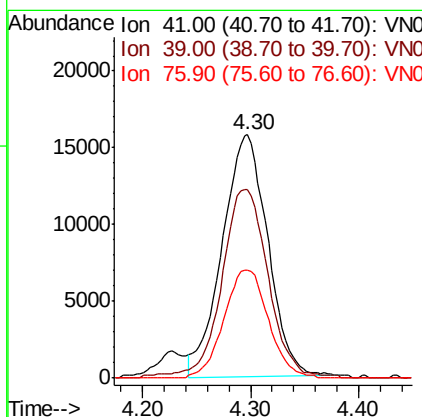
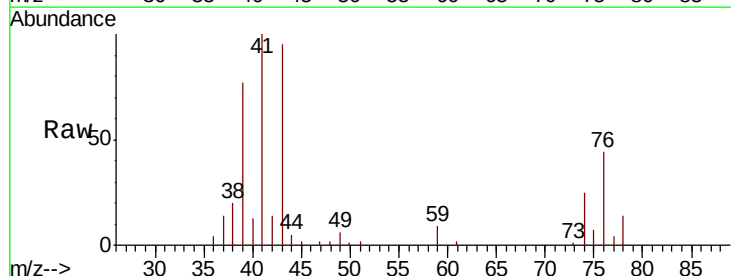
Instrument :
MSVOA_N
ClientSampleId :

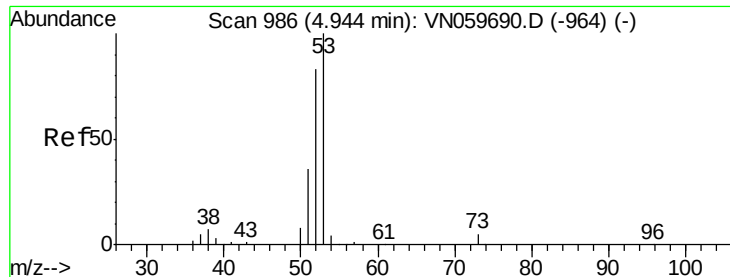
Tot Ion: 56 Resp: 14173
Ion Ratio Lower Upper
56 100
55 71.7 58.6 88.0



#14
Allyl chloride
Concen: 19.192 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 41 Resp: 46324
Ion Ratio Lower Upper
41 100
39 80.0 57.8 86.8
76 43.6 25.4 38.0#





#15

Acrylonitrile

Concen: 96.714 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampleId :

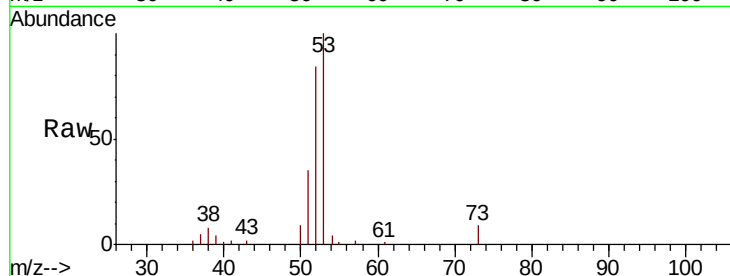
Tot Ion: 53 Resp: 80726

Ion Ratio Lower Upper

53 100

52 83.7 66.3 99.5

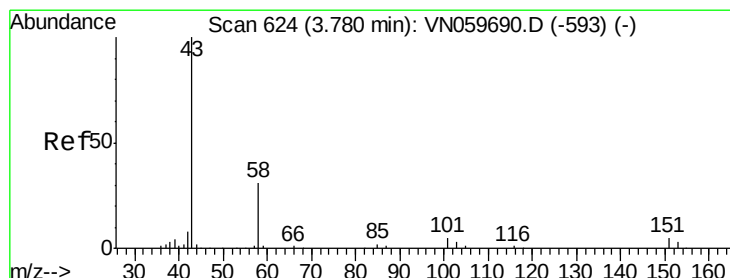
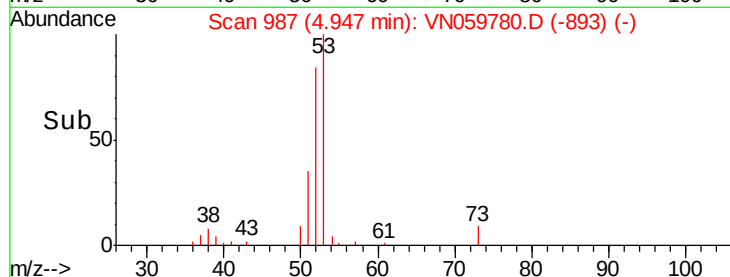
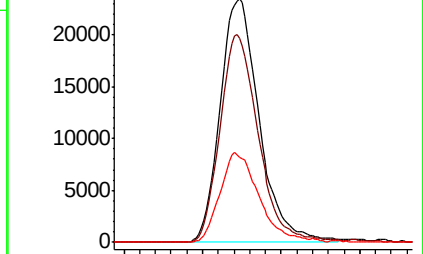
51 36.9 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059780.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN059780.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN059780.D (-893) (-)



#16

Acetone

Concen: 94.641 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059780.D

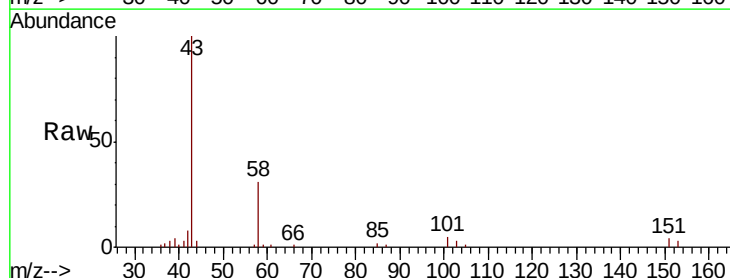
Acq: 20 Jan 2020 12:20

Tgt Ion: 43 Resp: 74775

Ion Ratio Lower Upper

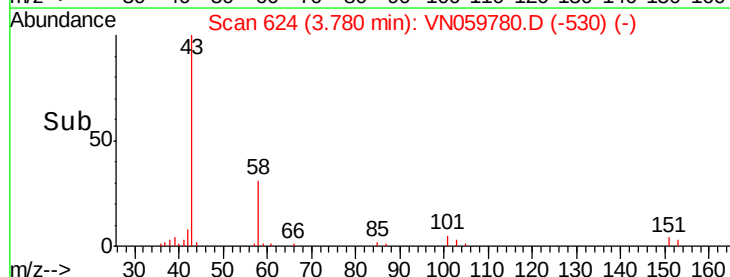
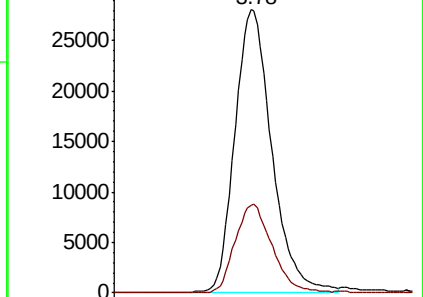
43 100

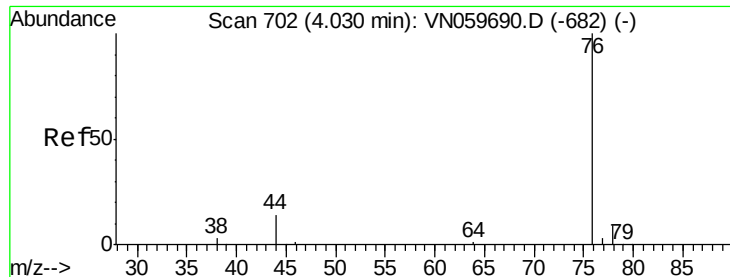
58 31.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059780.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059780.D (-530) (-)

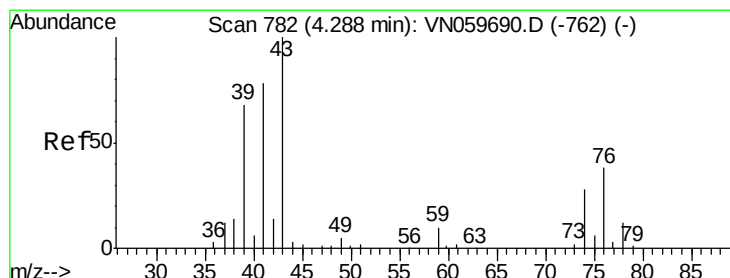
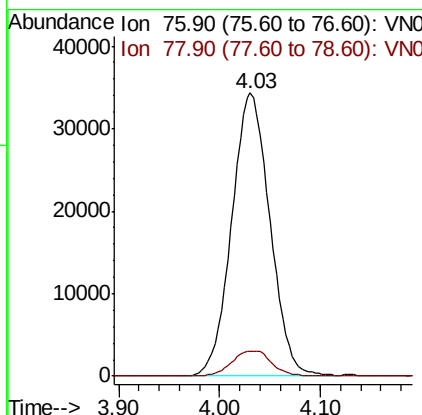
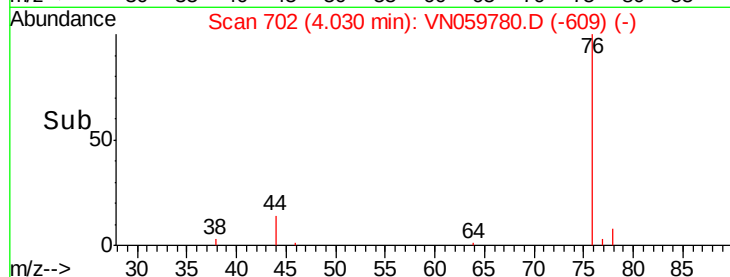
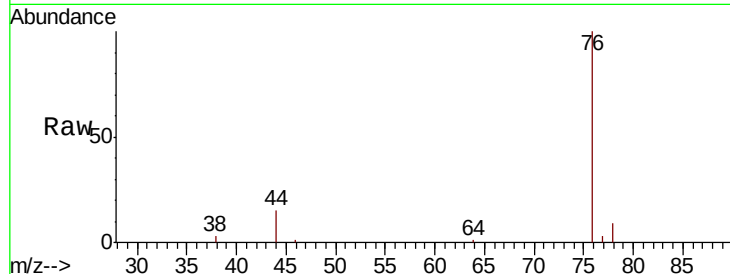




#17
Carbon Disulfide
Concen: 17.665 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

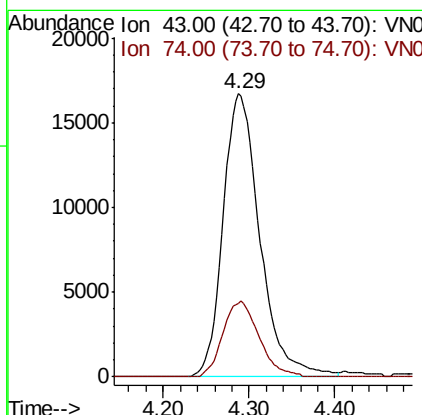
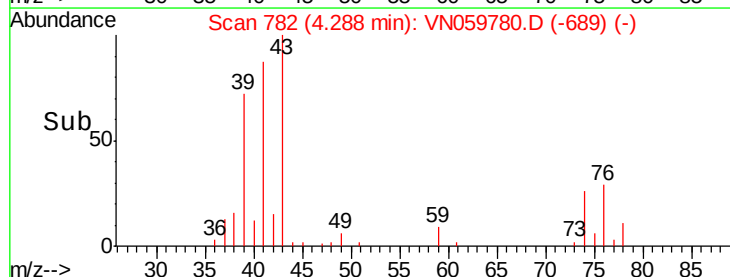
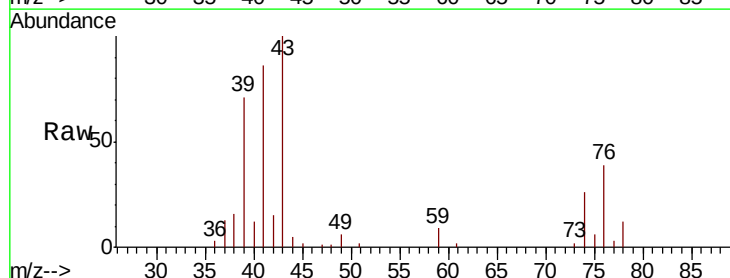
Instrument :
MSVOA_N
ClientSampleId :

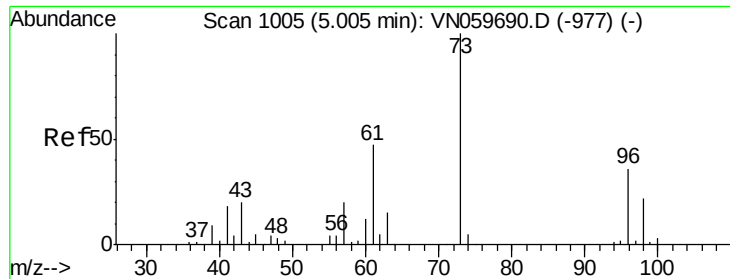
Tot Ion: 76 Resp: 90113
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 19.515 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 43 Resp: 49548
Ion Ratio Lower Upper
43 100
74 26.3 17.5 26.3#

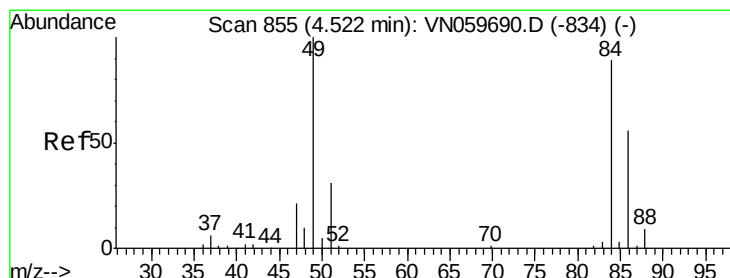
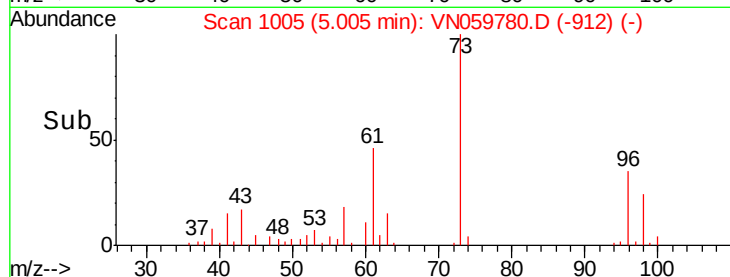
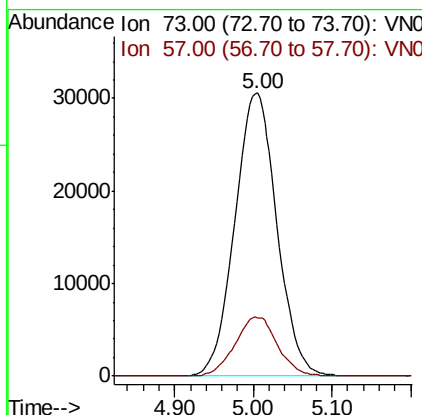
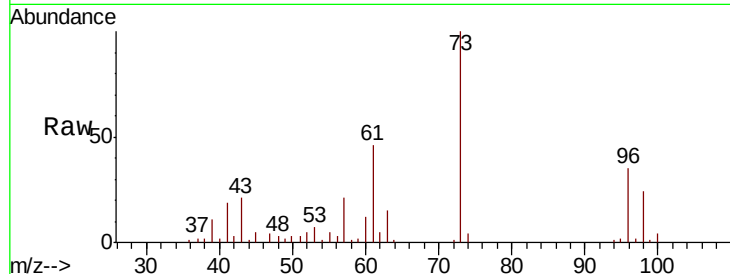




#19
Methvl tert-butyl Ether
Concen: 19.624 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

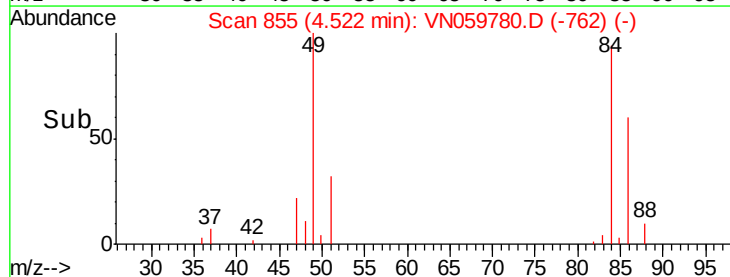
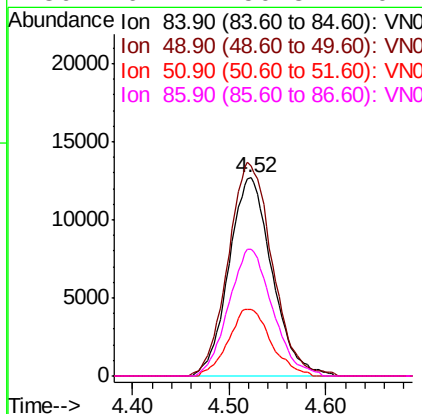
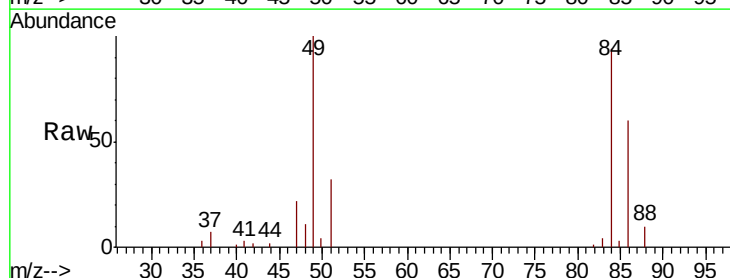
Instrument :
MSVOA_N
ClientSampleId :

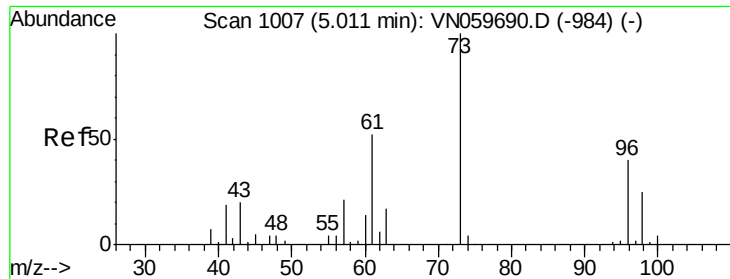
Tot Ion: 73 Resp: 114574
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8



#20
Methylene Chloride
Concen: 19.271 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 84 Resp: 39461
Ion Ratio Lower Upper
84 100
49 106.4 106.6 160.0#
51 33.9 31.9 47.9
86 64.1 50.8 76.2

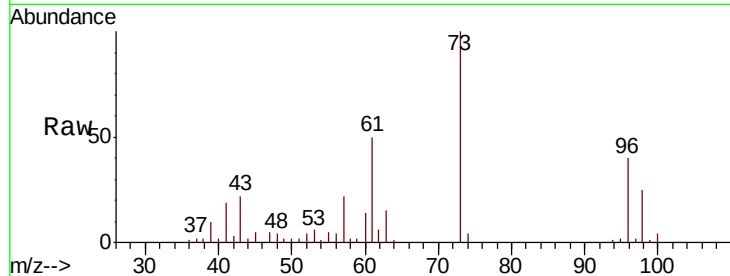




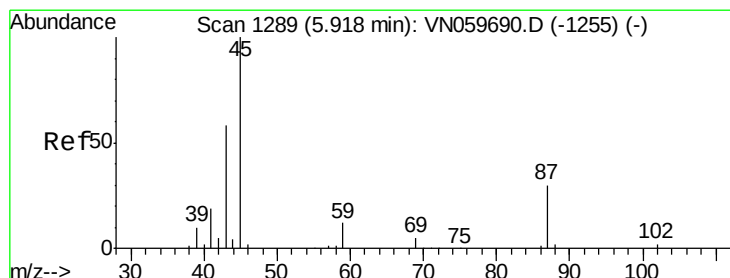
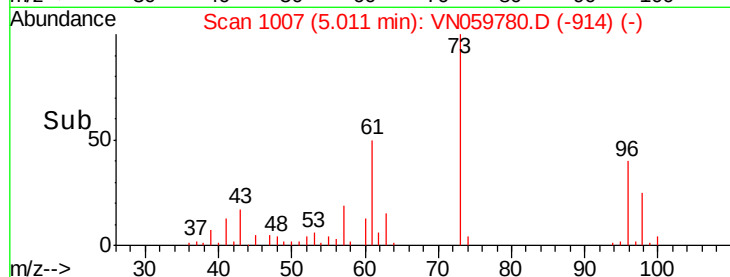
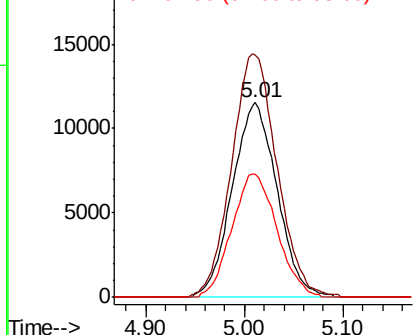
#21
trans-1,2-Dichloroethene
Concen: 19.108 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 36373
Ion Ratio Lower Upper
96 100
61 125.0 120.4 180.6
98 63.3 50.6 75.8

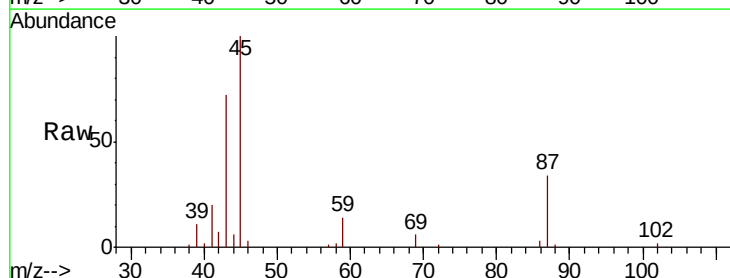


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

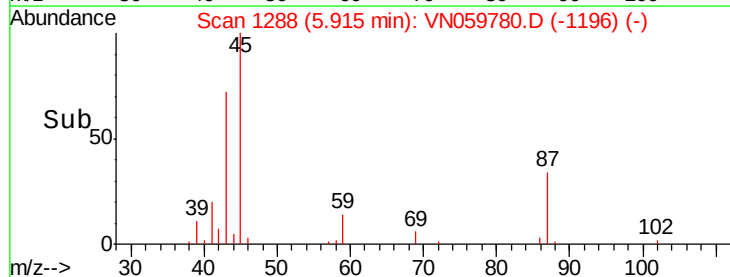
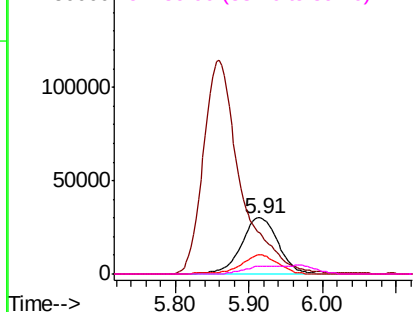


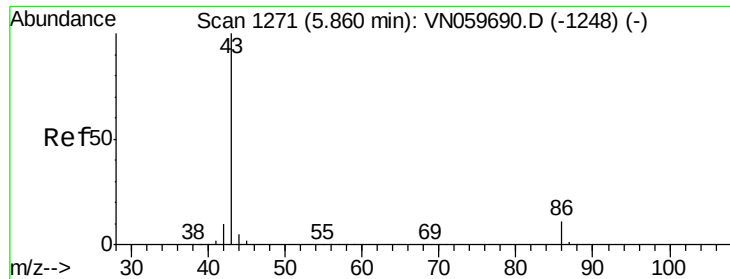
#22
Diisopropyl ether
Concen: 19.127 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 45 Resp: 104624
Ion Ratio Lower Upper
45 100
43 70.2 50.8 76.2
87 33.8 21.0 31.6#
59 14.3 9.1 13.7#



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 95.221 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

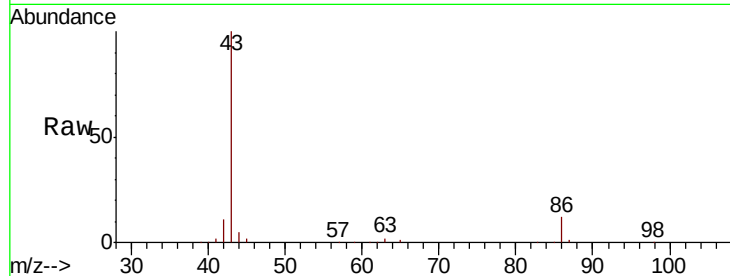
ClientSampled :

Tot Ion: 43 Resp: 403259

Ion Ratio Lower Upper

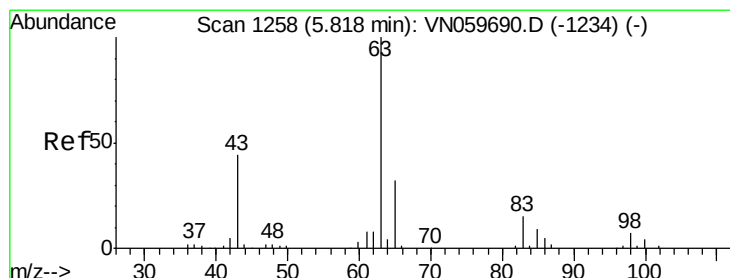
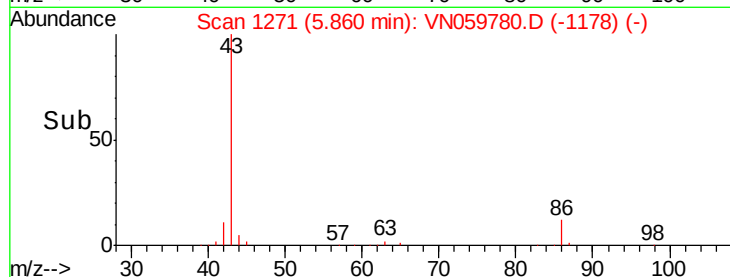
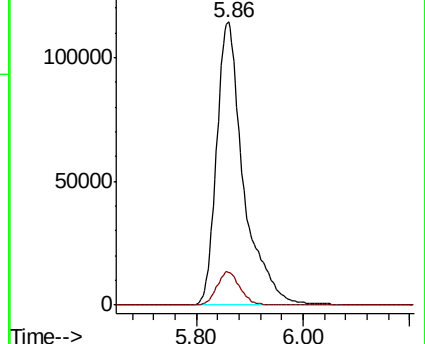
43 100

86 11.7 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.802 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

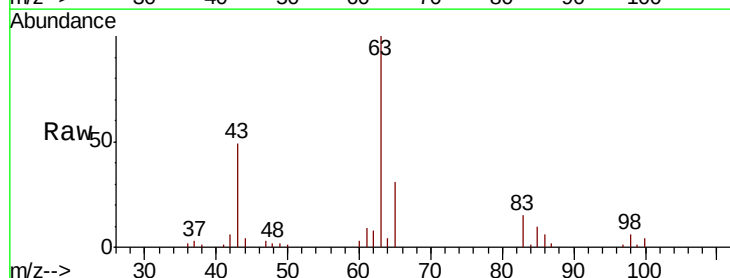
Tgt Ion: 63 Resp: 62840

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

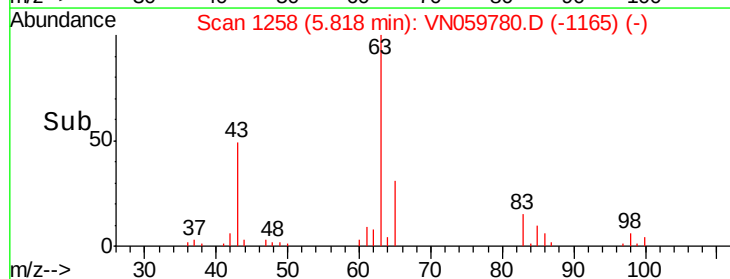
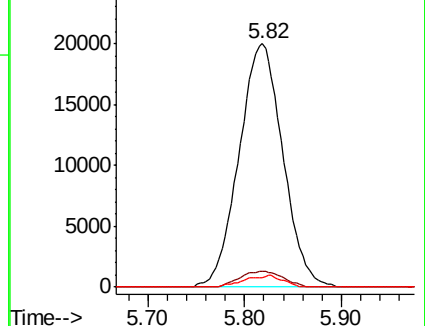
100 4.1 2.0 6.0

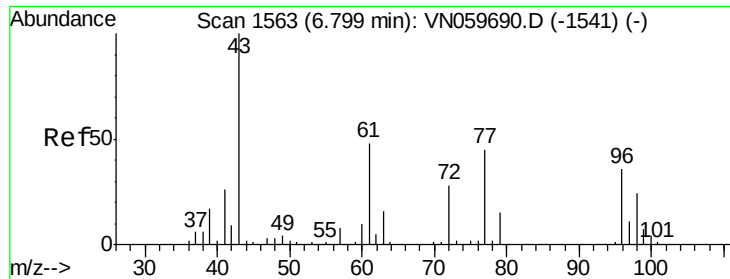


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

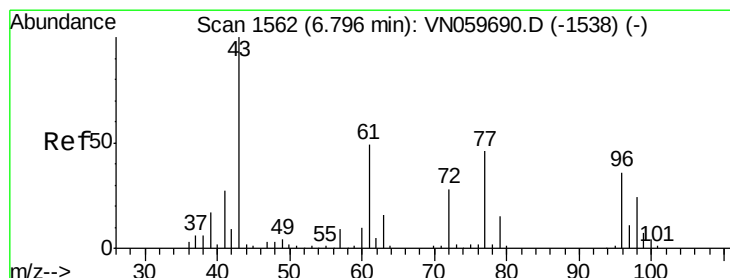
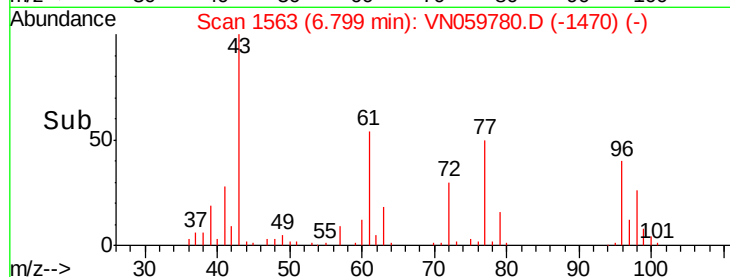
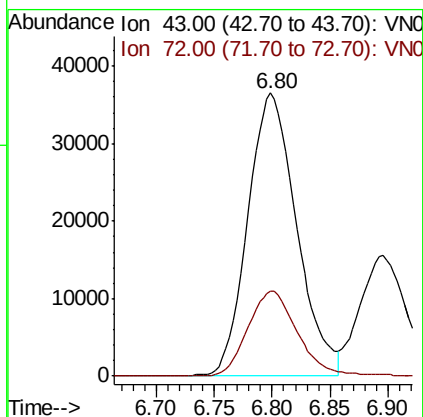
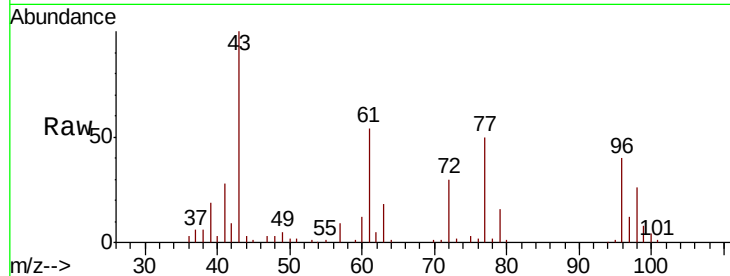




#25
2-Butanone
Concen: 86.851 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

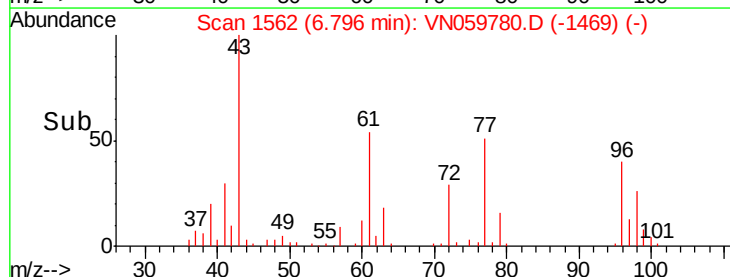
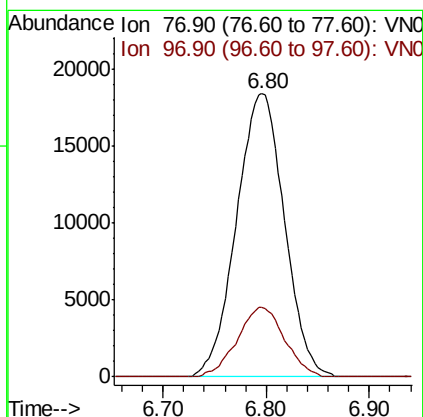
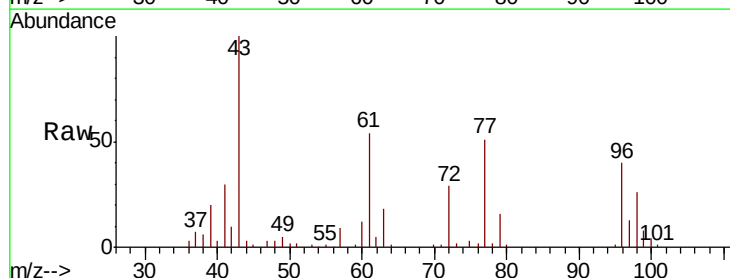
Instrument :
MSVOA_N
ClientSampled :

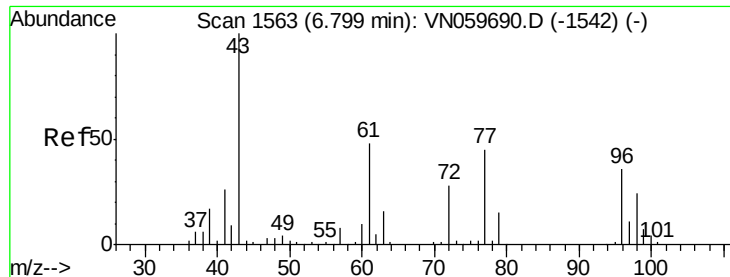
Tot Ion: 43 Resp: 106906
Ion Ratio Lower Upper
43 100
72 30.0 19.9 29.9#



#26
2,2-Dichloropropane
Concen: 18.542 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 77 Resp: 59578
Ion Ratio Lower Upper
77 100
97 24.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.321 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :
MSVOA_N
ClientSampled :

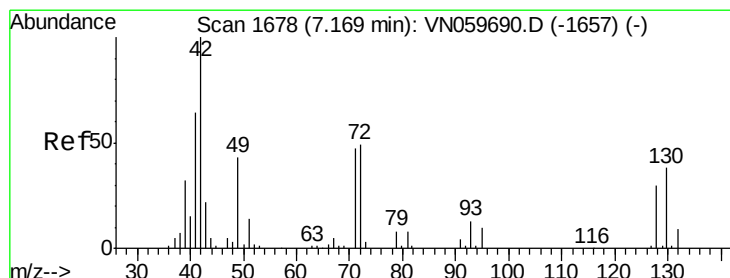
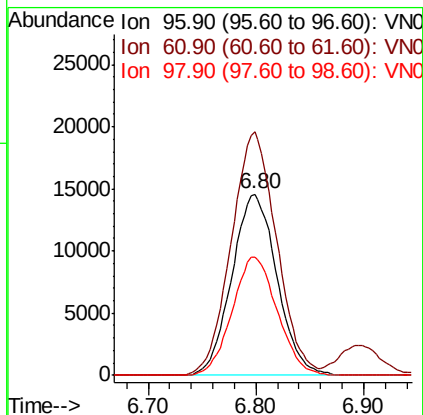
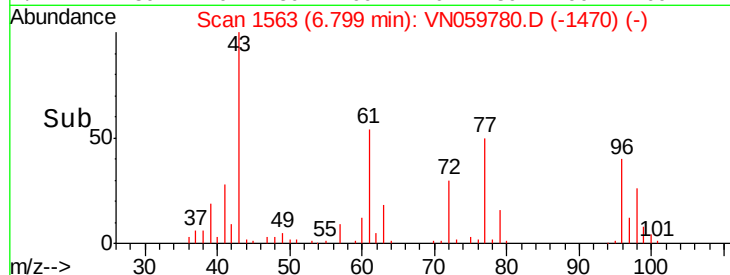
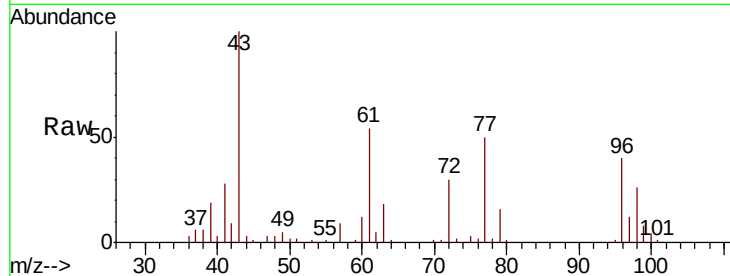
Tot Ion: 96 Resp: 42301

Ion Ratio Lower Upper

96 100

61 135.6 0.0 317.6

98 65.3 0.0 127.0



#28

Bromochloromethane

Concen: 18.650 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

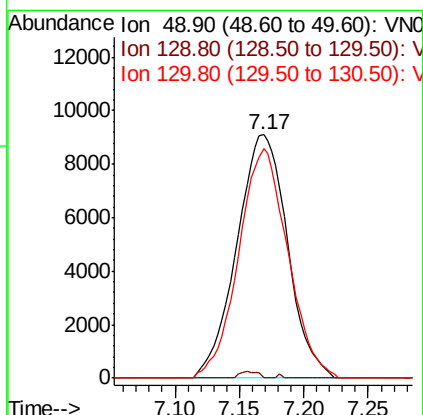
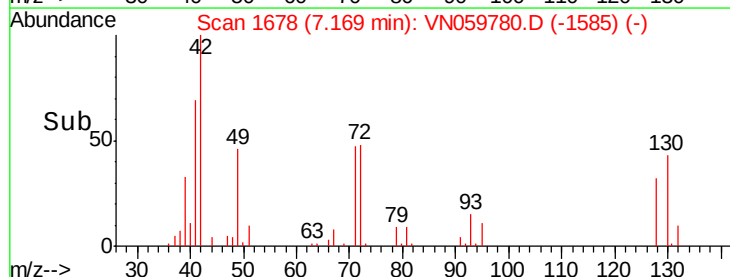
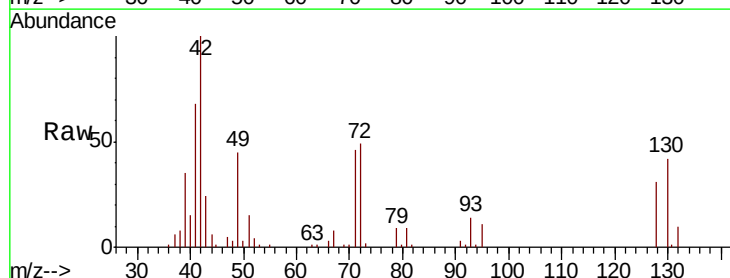
Tgt Ion: 49 Resp: 24913

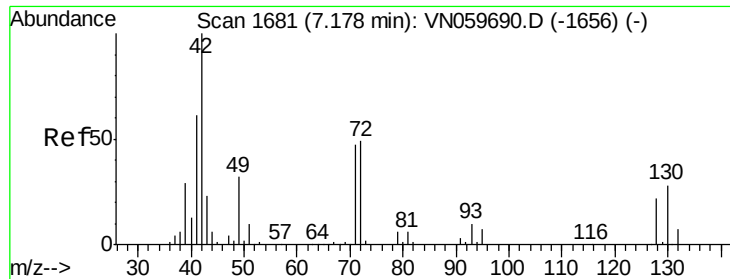
Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.4

130 91.4 54.7 82.1#

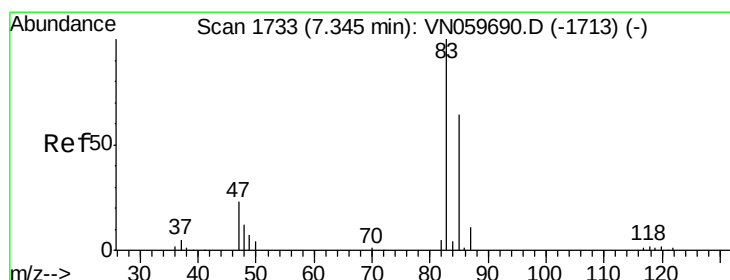
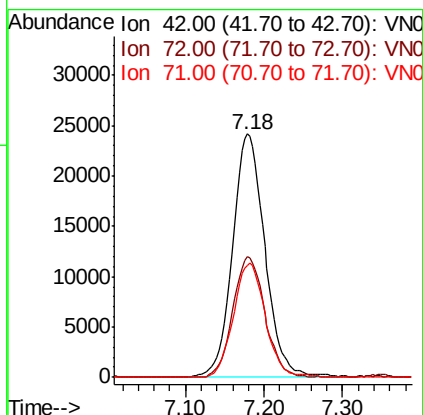
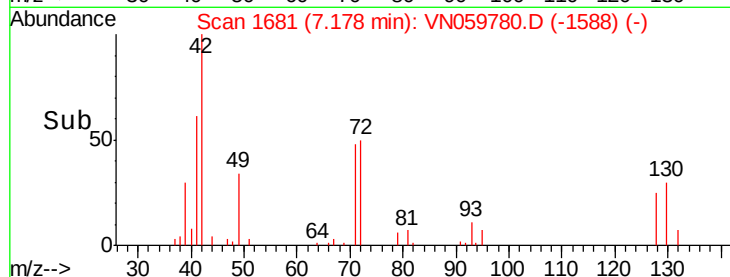
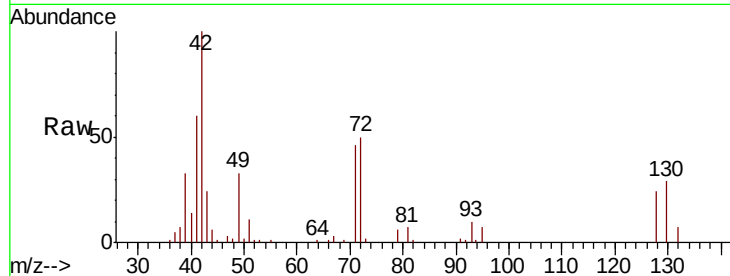




#29
Tetrahydrofuran
Concen: 91.129 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

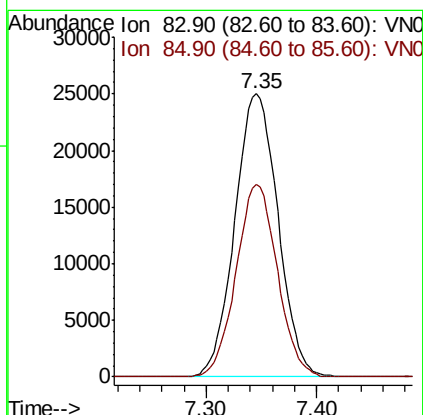
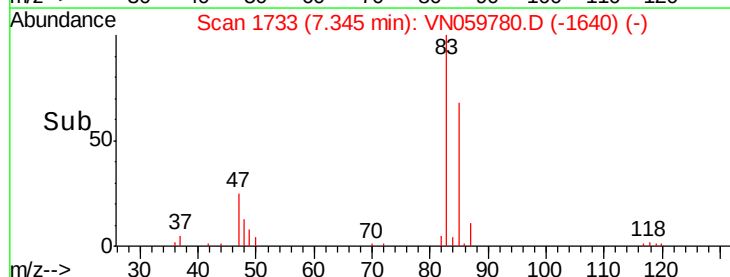
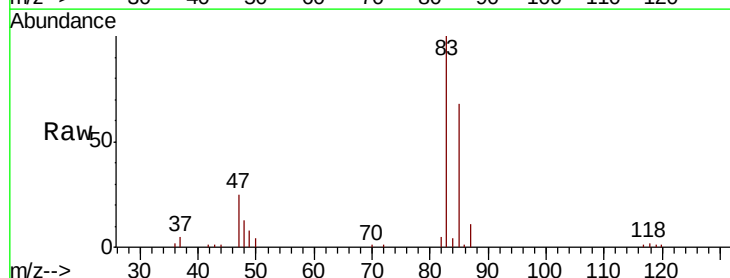
Instrument :
MSVOA_N
ClientSampled :

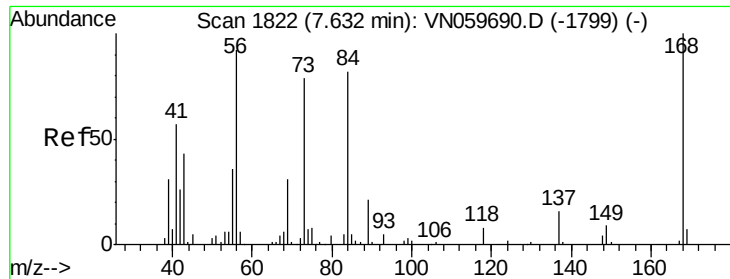
Tot Ion: 42 Resp: 69403
Ion Ratio Lower Upper
42 100
72 48.9 33.1 49.7
71 46.2 31.4 47.0



#30
Chloroform
Concen: 19.588 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 83 Resp: 67833
Ion Ratio Lower Upper
83 100
85 67.9 52.4 78.6

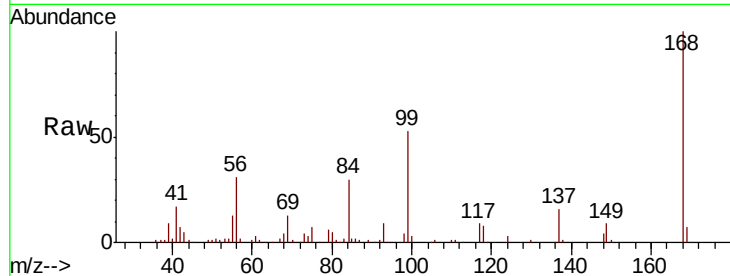




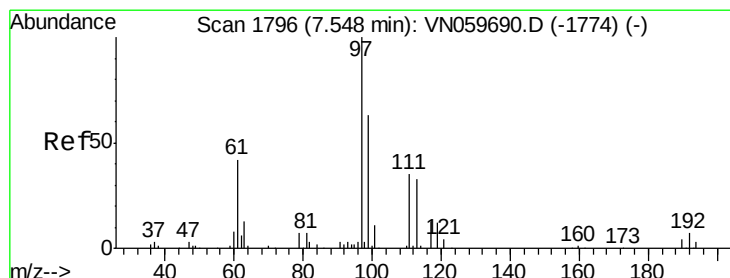
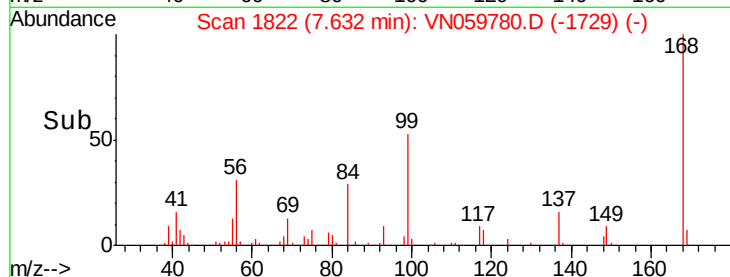
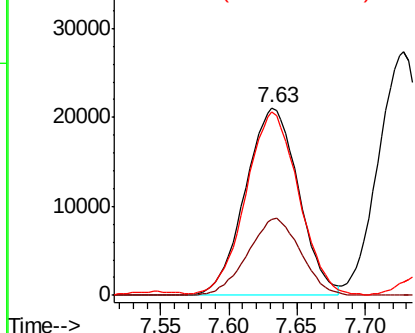
#31
Cyclohexane
Concen: 17.764 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 57129
Ion Ratio Lower Upper
56 100
69 40.8 26.5 39.7#
84 96.9 65.3 97.9

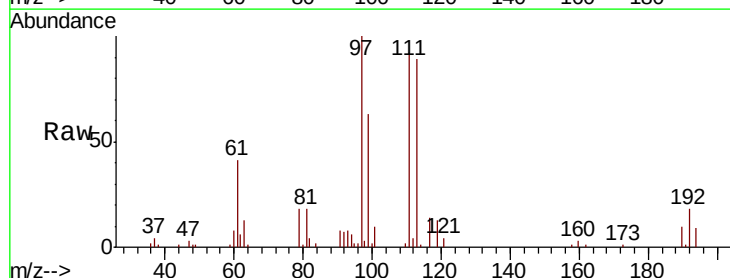


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

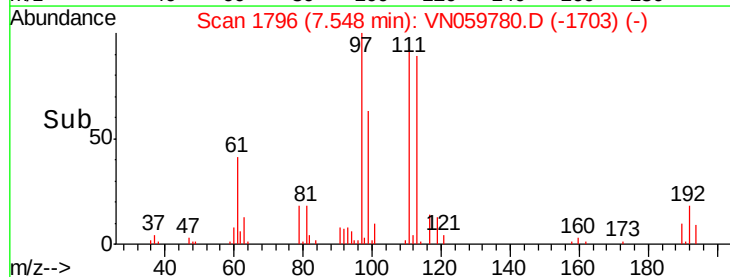
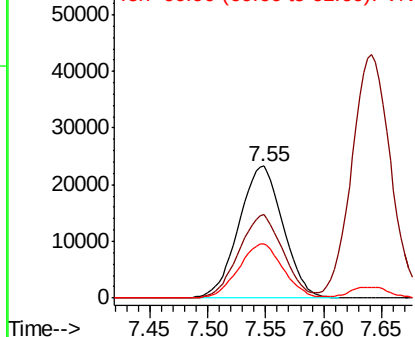


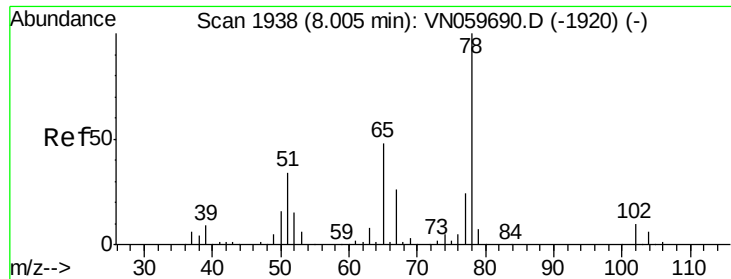
#32
1,1,1-Trichloroethane
Concen: 19.366 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 97 Resp: 62007
Ion Ratio Lower Upper
97 100
99 63.2 51.0 76.4
61 41.3 38.5 57.7



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

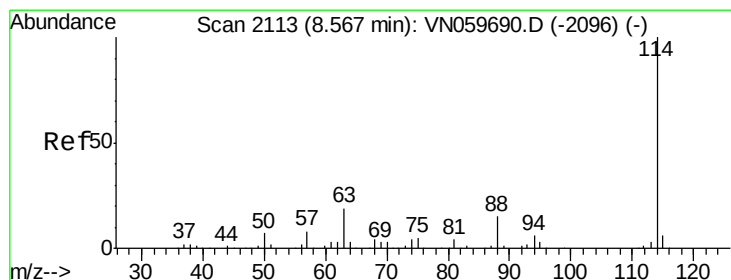
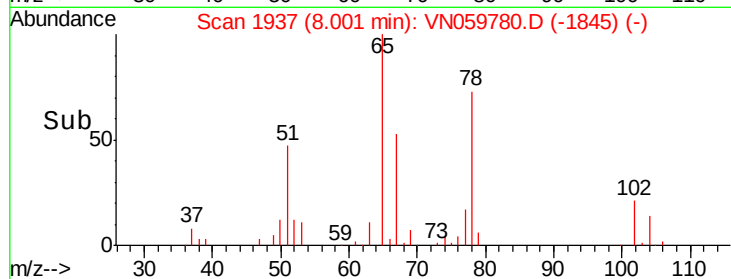
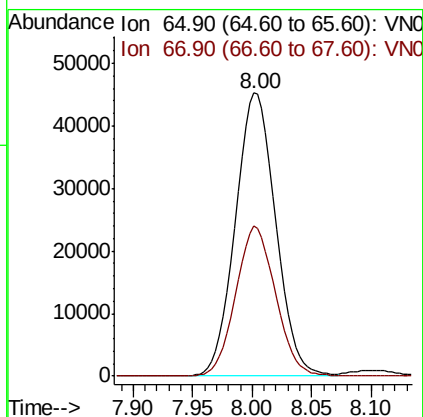
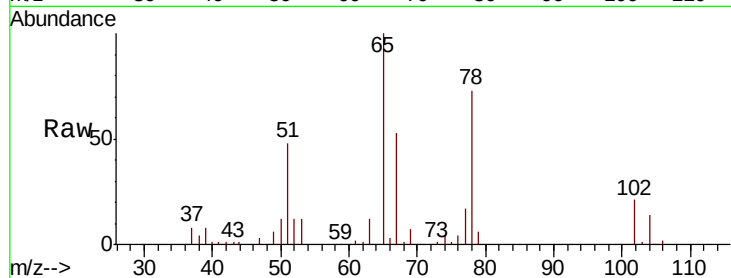




#33
 1,2-Dichloroethane-d4
 Concen: 48.865 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

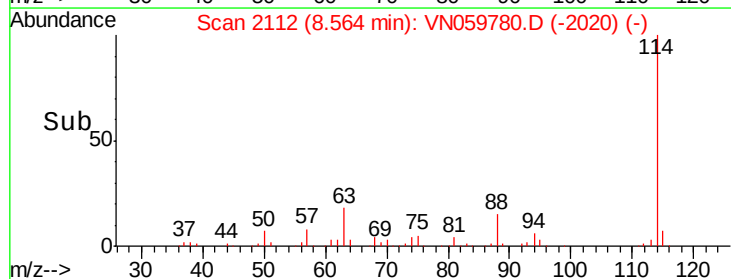
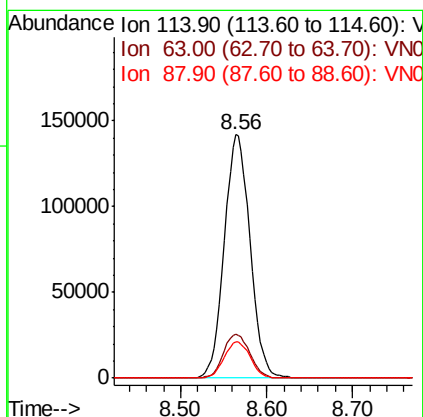
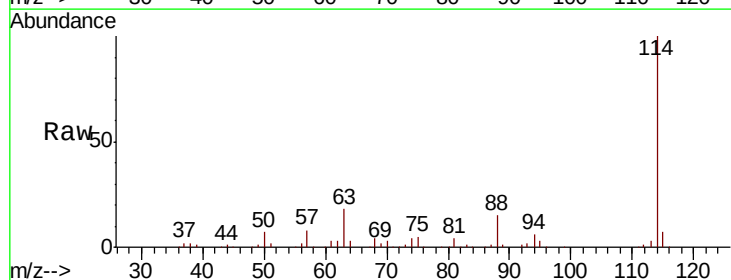
Instrument :
 MSVOA_N
 ClientSampleId :

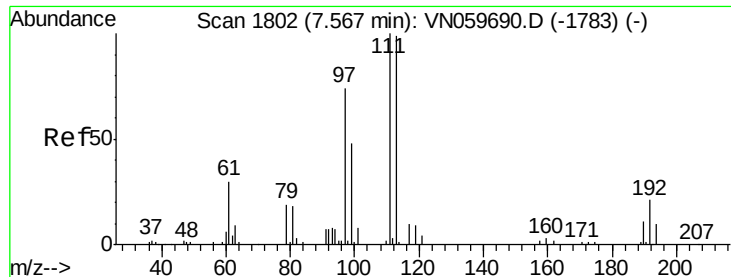
Tot Ion: 65 Resp: 106215
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

Tgt Ion: 114 Resp: 295767
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 43.6
 88 14.9 0.0 31.4

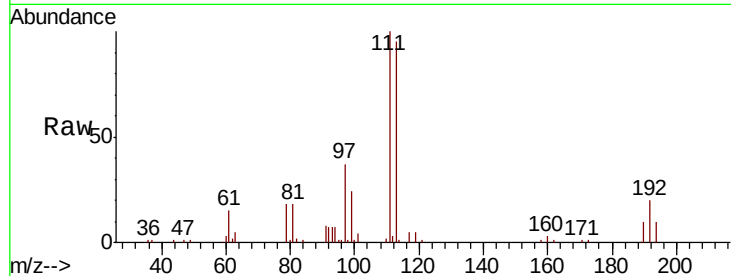




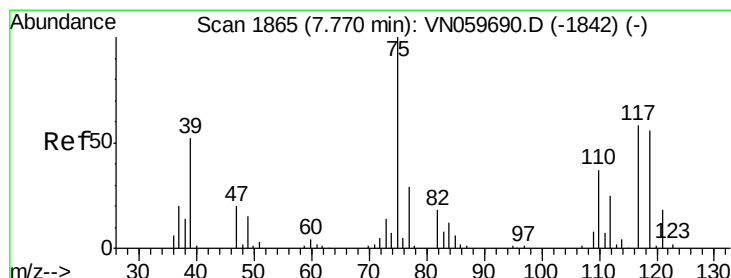
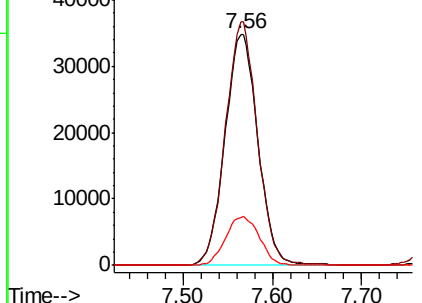
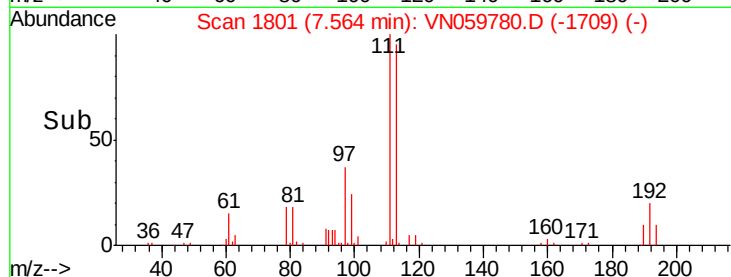
#35
 Dibromofluoromethane
 Concen: 50.606 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 89258
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.5 125.3
 192 21.6 15.4 23.2

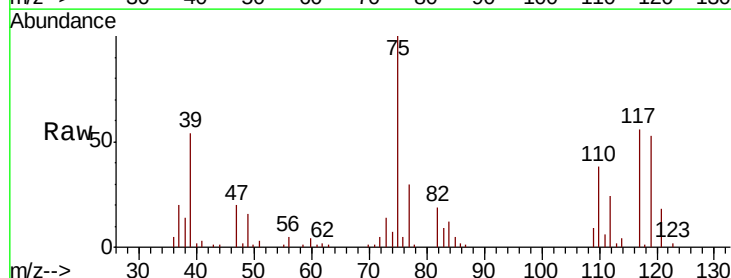


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

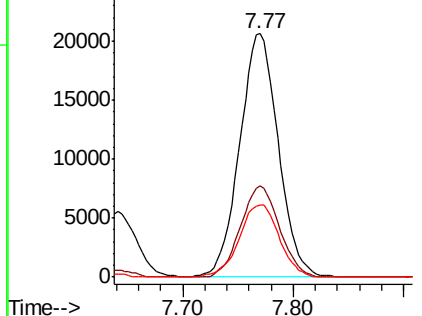
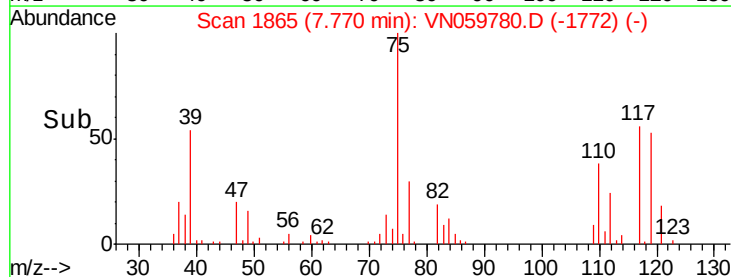


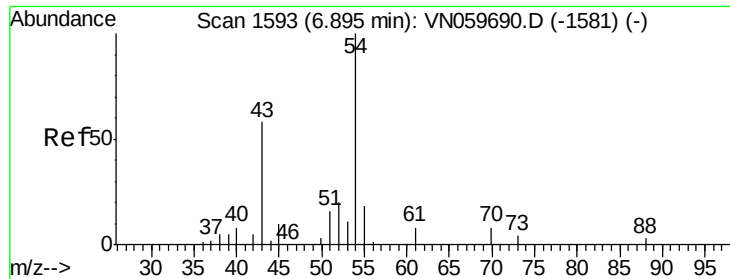
#36
 1,1-Dichloropropene
 Concen: 19.432 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

Tgt Ion: 75 Resp: 50051
 Ion Ratio Lower Upper
 75 100
 110 37.6 16.6 49.7
 77 30.7 25.1 37.7



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

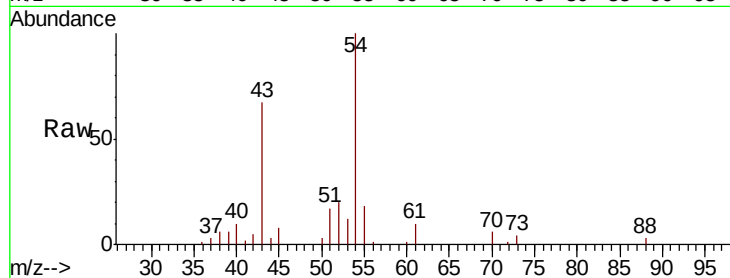




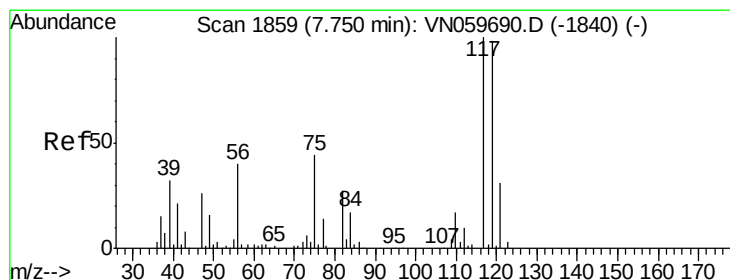
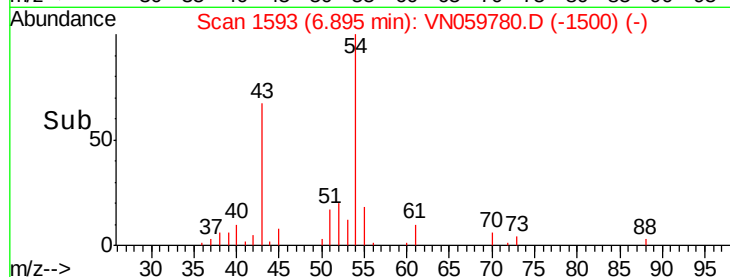
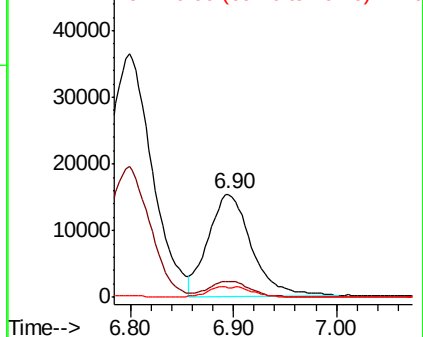
#37
Ethyl Acetate
Concen: 18.528 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 44759
Ion Ratio Lower Upper
43 100
61 15.0 10.9 16.3
70 5.3 7.7 11.5#

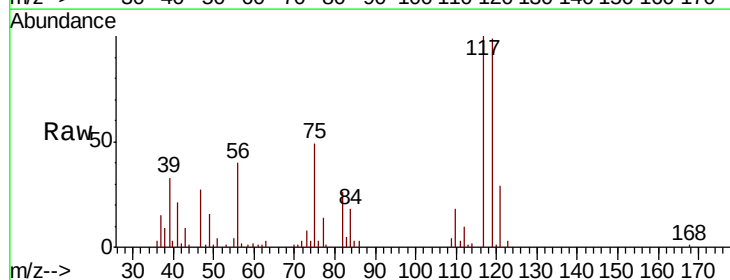


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

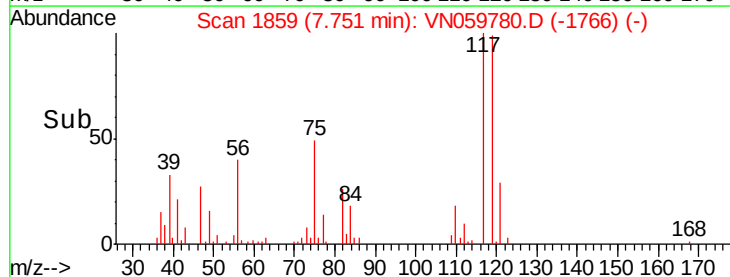
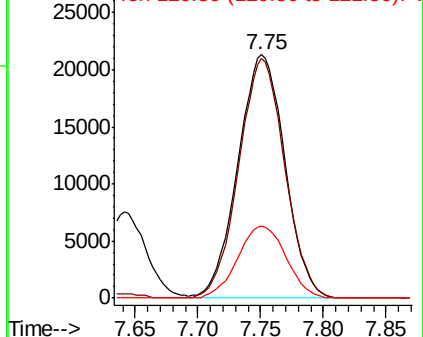


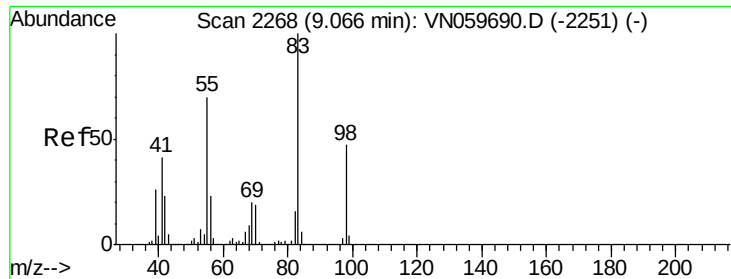
#38
Carbon Tetrachloride
Concen: 19.794 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 117 Resp: 55457
Ion Ratio Lower Upper
117 100
119 98.7 76.5 114.7
121 29.4 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

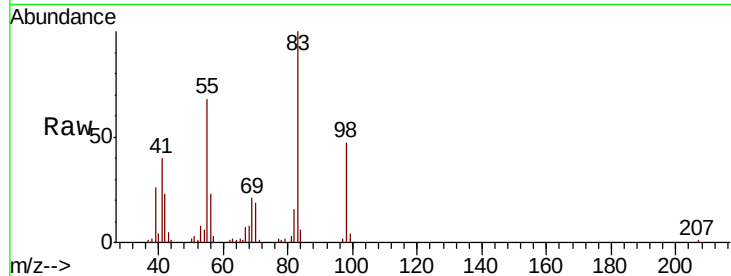




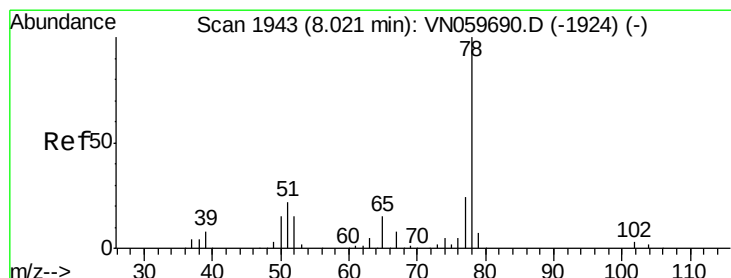
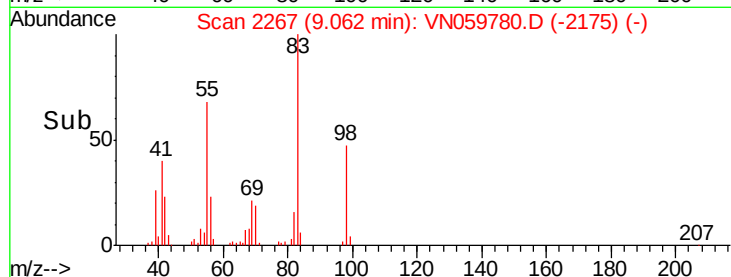
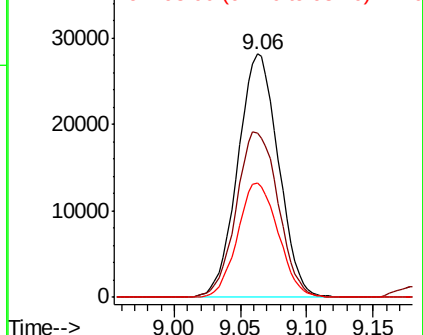
#39
Methylvlcyclohexane
Concen: 18.890 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 59993
Ion Ratio Lower Upper
83 100
55 67.5 64.2 96.2
98 46.9 35.9 53.9

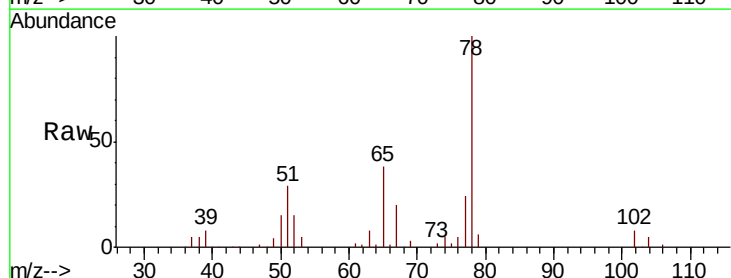


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

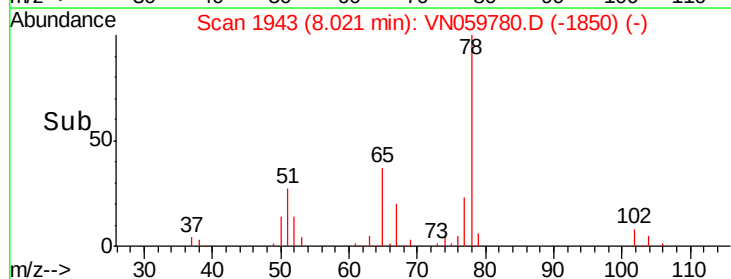
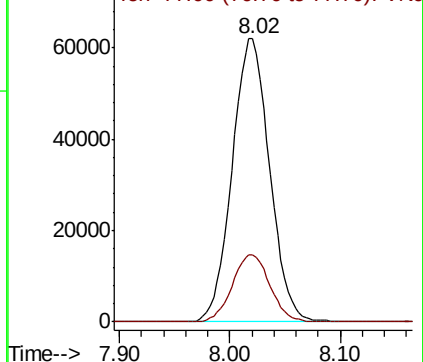


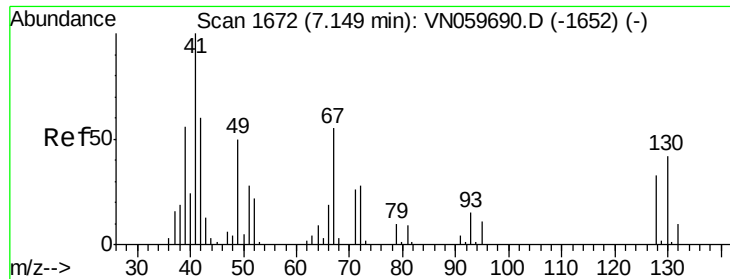
#40
Benzene
Concen: 18.970 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 78 Resp: 145720
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3



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

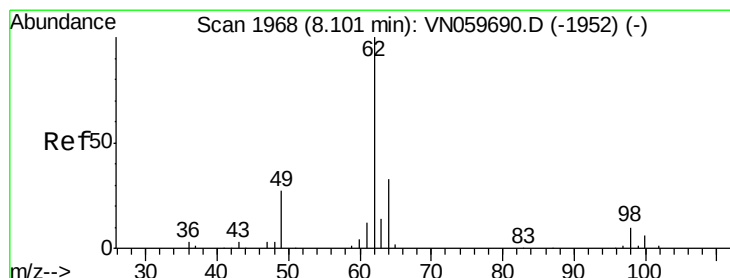
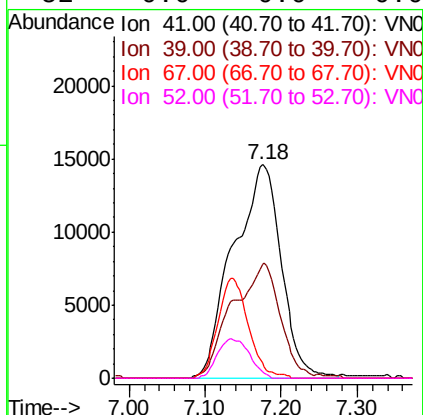
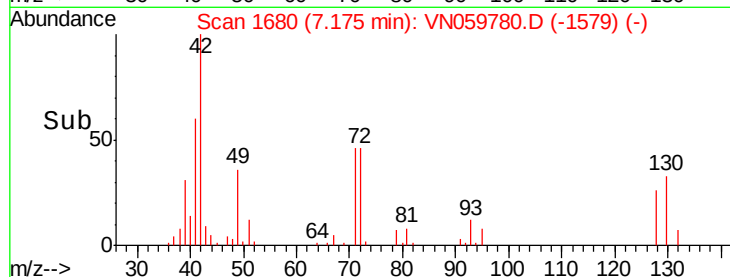
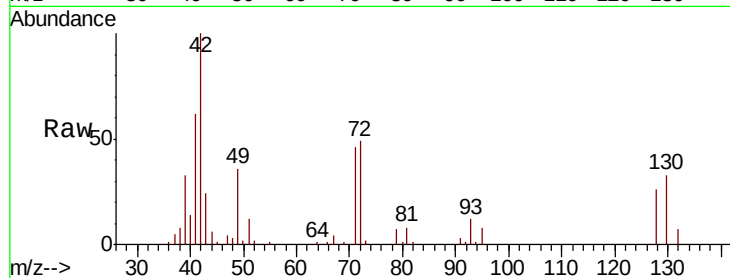




#41
Methacrylonitrile
Concen: 53.909 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

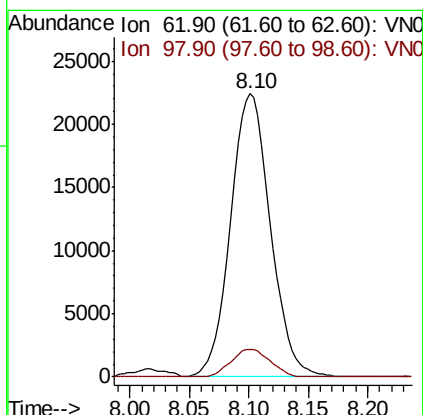
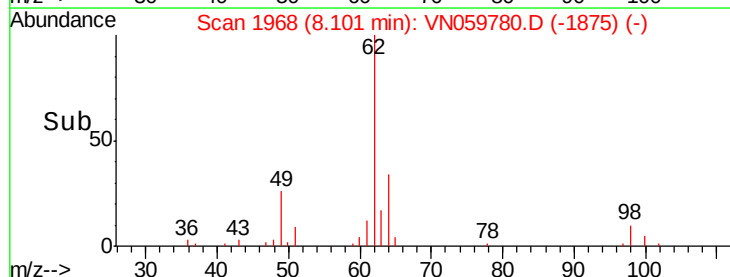
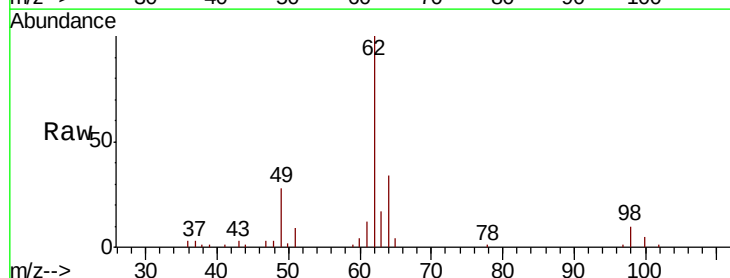
Instrument :
MSVOA_N
ClientSampleId :

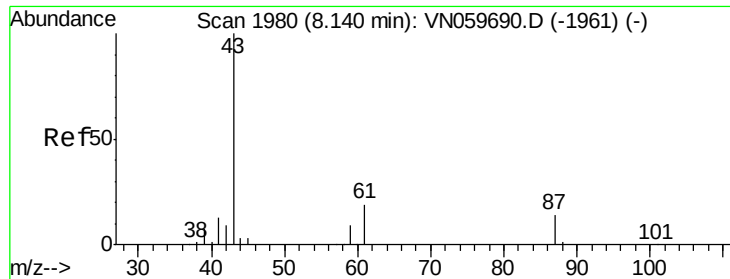
Tot Ion: 41 Resp: 64146
Ion Ratio Lower Upper
41 100
39 53.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 19.982 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 62 Resp: 52042
Ion Ratio Lower Upper
62 100
98 9.5 0.0 15.8





#43

Isopropyl Acetate

Concen: 18.541 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampled :

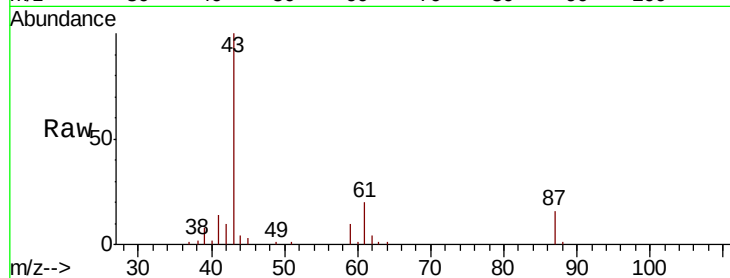
Tot Ion: 43 Resp: 77042

Ion Ratio Lower Upper

43 100

61 27.2 20.2 30.2

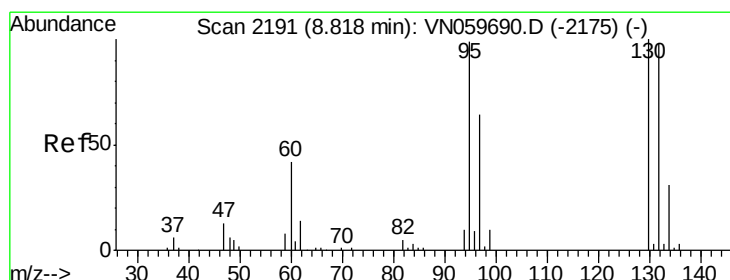
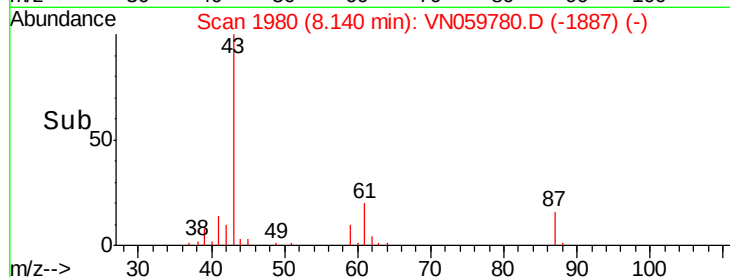
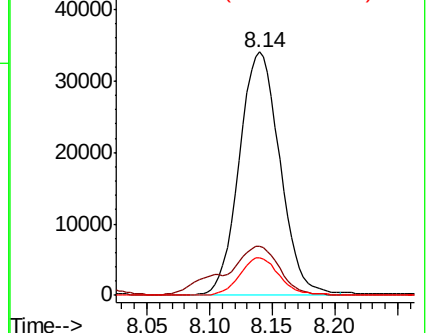
87 15.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059780.D (-2098) (-)

Ion 61.00 (60.70 to 61.70): VN059780.D (-2098) (-)

Ion 87.00 (86.70 to 87.70): VN059780.D (-2098) (-)



#44

Trichloroethene

Concen: 20.349 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059780.D

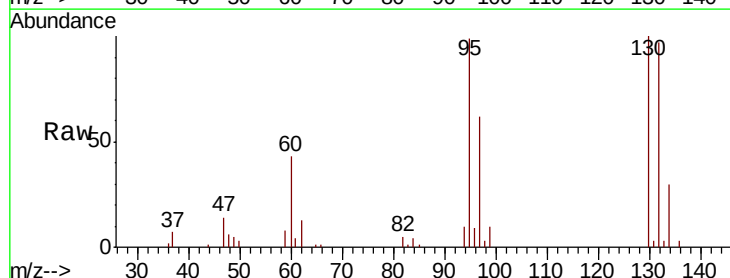
Acq: 20 Jan 2020 12:20

Tgt Ion:130 Resp: 42672

Ion Ratio Lower Upper

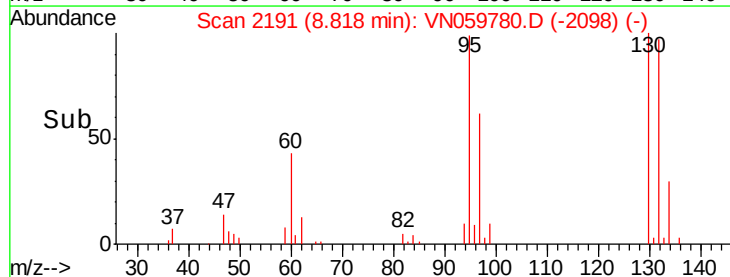
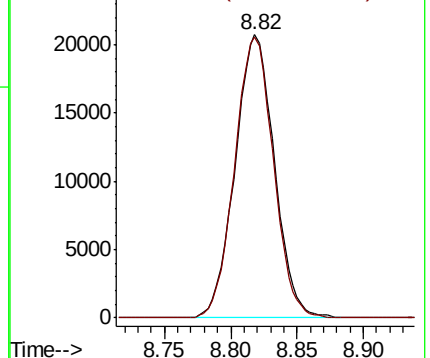
130 100

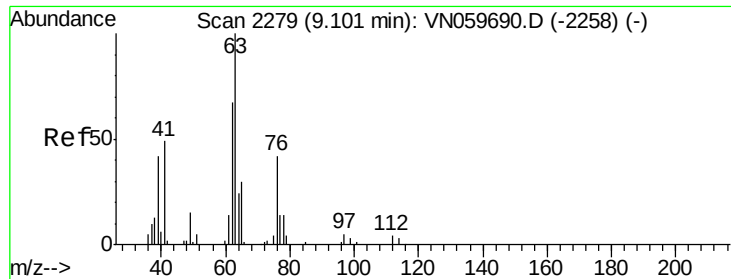
95 99.3 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059780.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059780.D (-2098) (-)

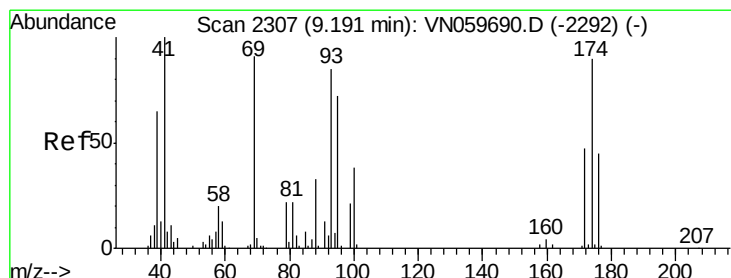
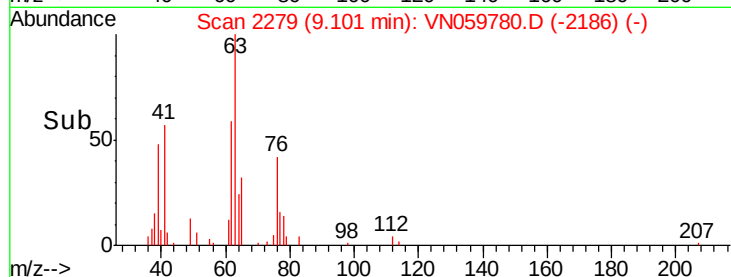
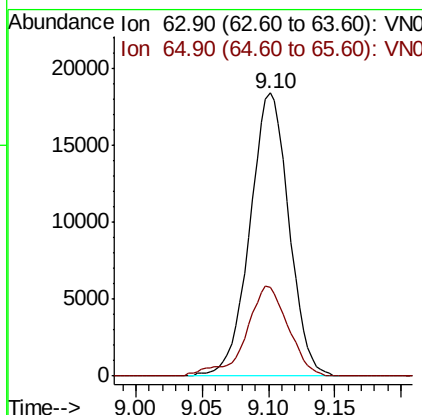
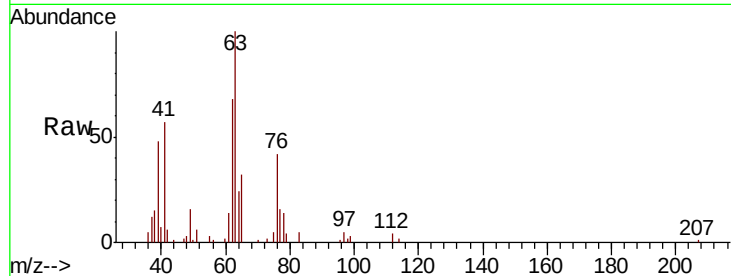




#45
 1,2-Dichloropropane
 Concen: 19.848 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

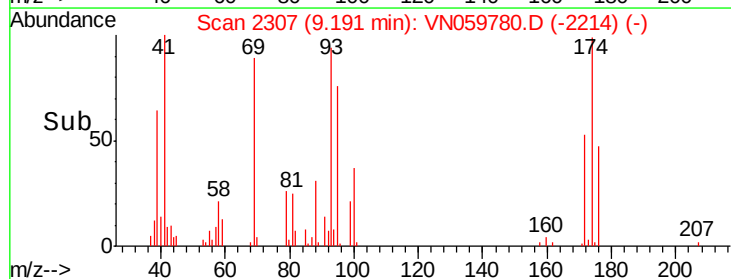
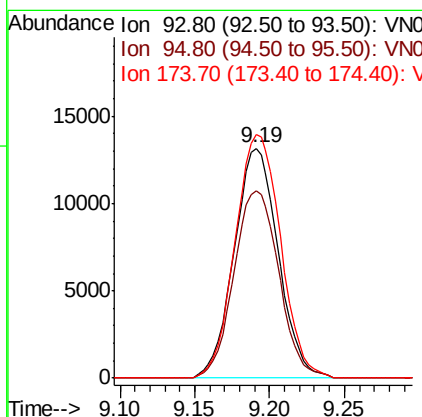
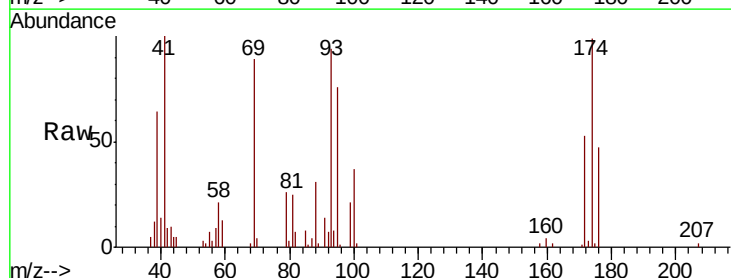
Instrument :
 MSVOA_N
 ClientSampled :

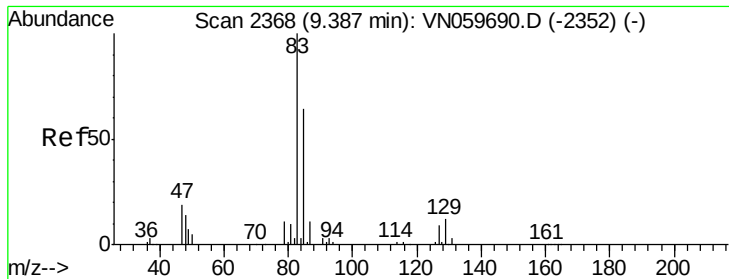
Tot Ion: 63 Resp: 37727
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.9 37.3



#46
 Dibromomethane
 Concen: 20.151 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

Tgt Ion: 93 Resp: 27019
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.6
 174 109.2 73.4 110.2





#47

Bromodichloromethane

Concen: 20.165 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampled :

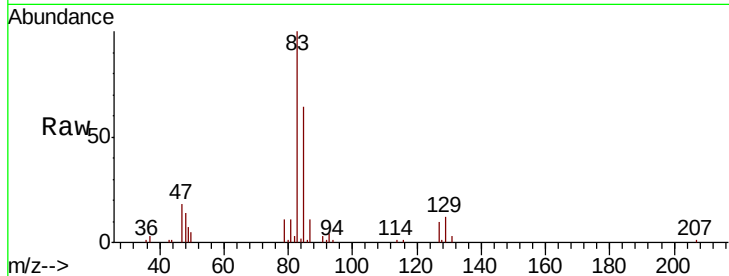
Tot Ion: 83 Resp: 54485

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

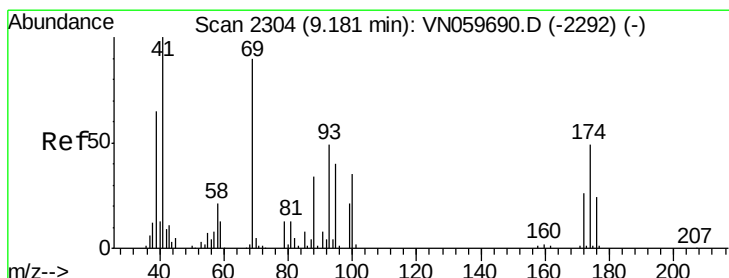
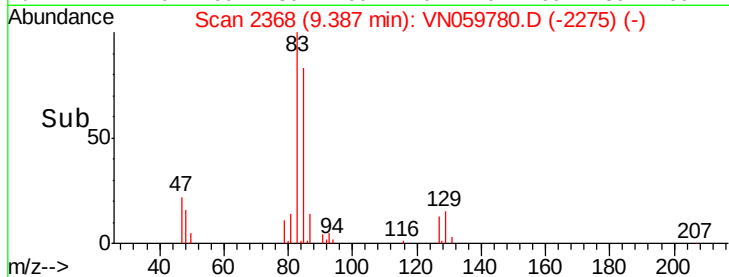
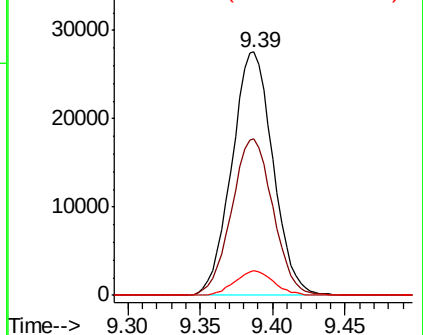
127 10.0 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VN059780.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059780.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059780.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.347 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

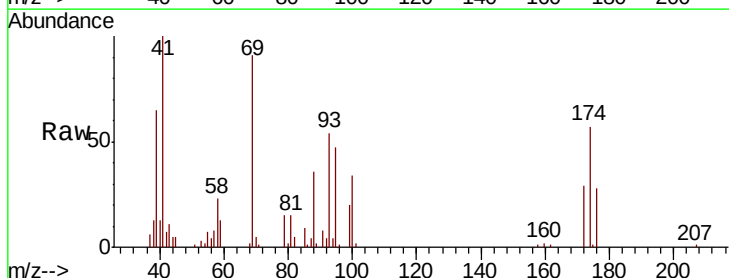
Tgt Ion: 41 Resp: 34099

Ion Ratio Lower Upper

41 100

69 95.3 64.4 96.6

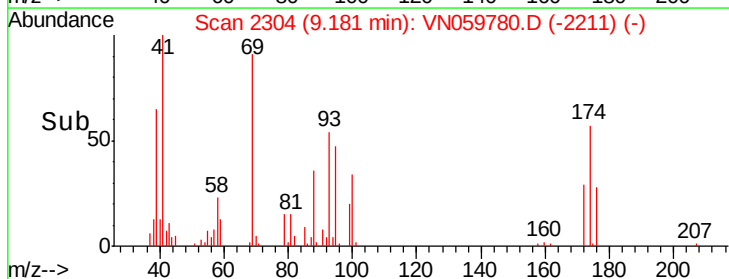
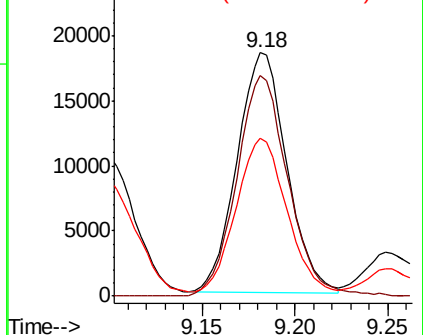
39 68.9 51.3 76.9

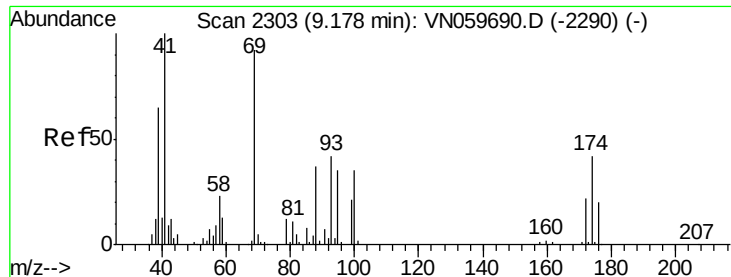


Abundance Ion 41.00 (40.70 to 41.70): VN059780.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN059780.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN059780.D (-2211) (-)

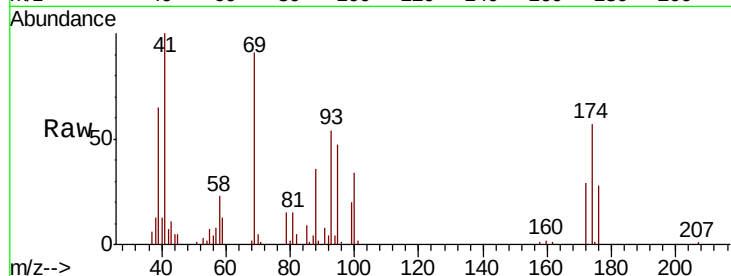




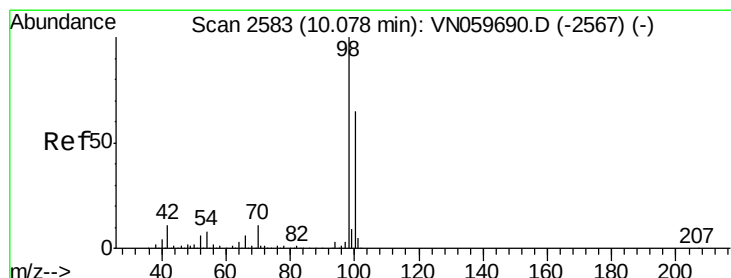
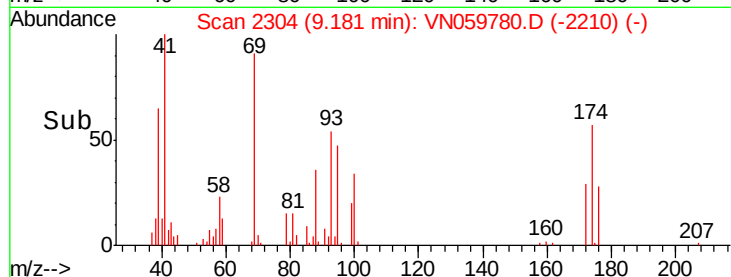
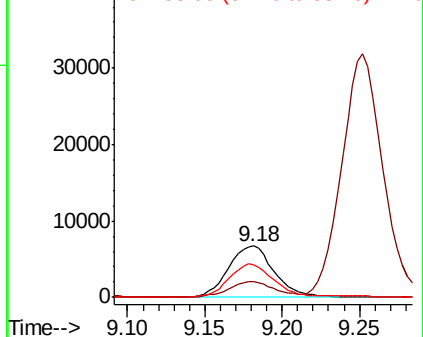
#49
1,4-Dioxane
Concen: 402.097 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 13681
Ion Ratio Lower Upper
88 100
43 32.2 29.7 44.5
58 64.3 56.6 85.0

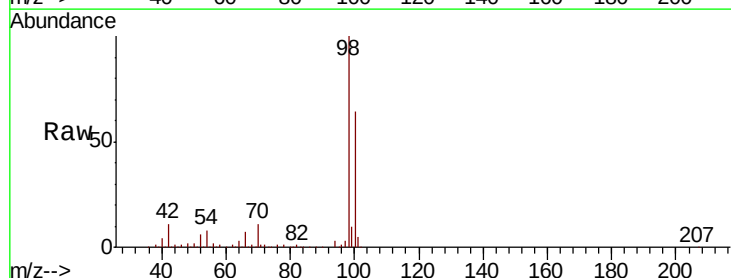


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

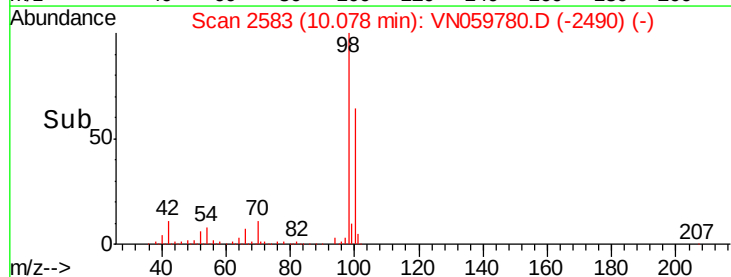
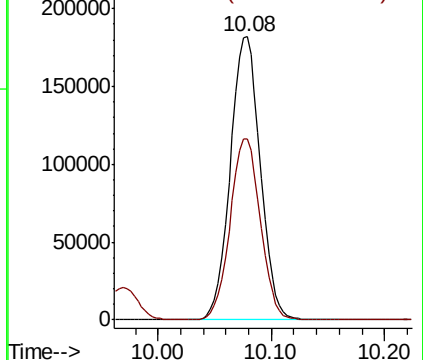


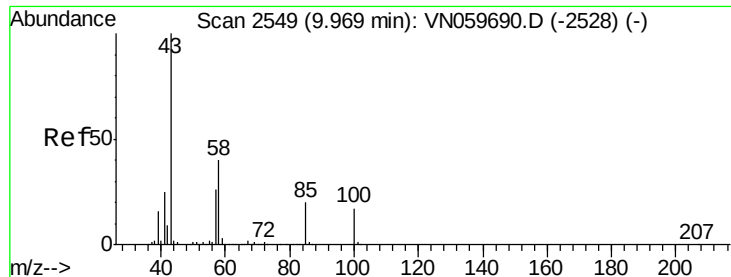
#50
Toluene-d8
Concen: 49.059 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 98 Resp: 335258
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8



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

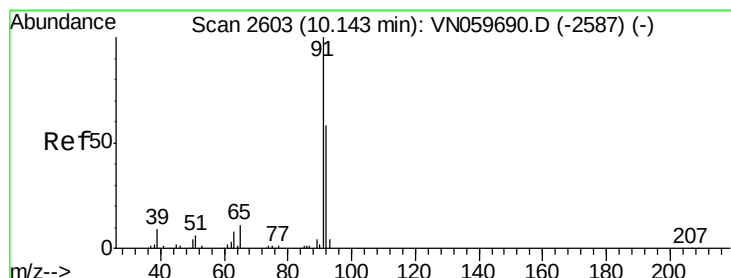
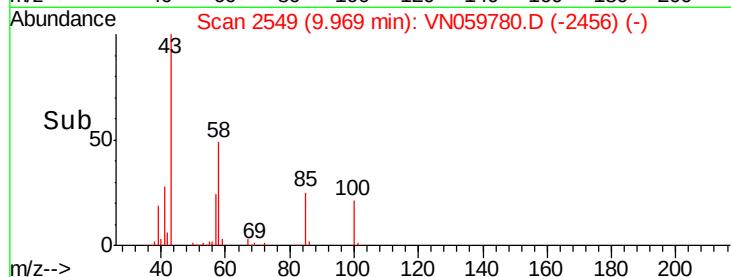
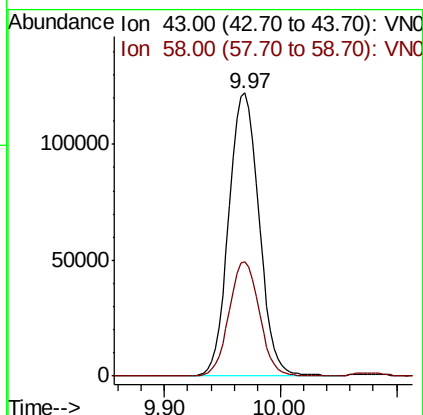
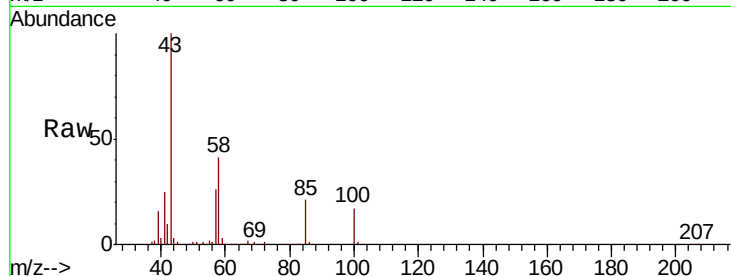




#51
 4-Methyl-2-Pentanone
 Concen: 92.426 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

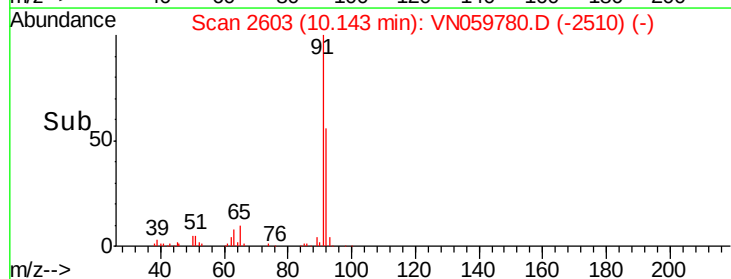
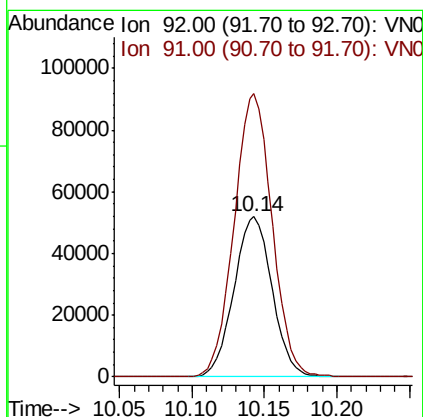
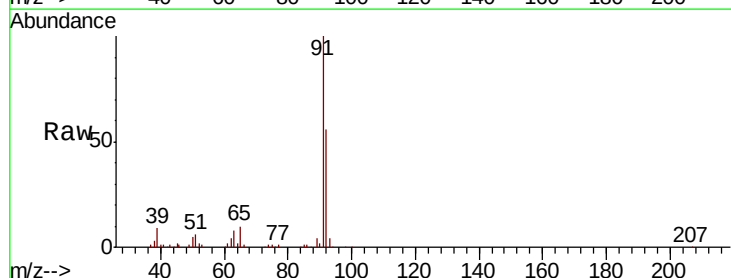
Instrument :
 MSVOA_N
 ClientSampleId :

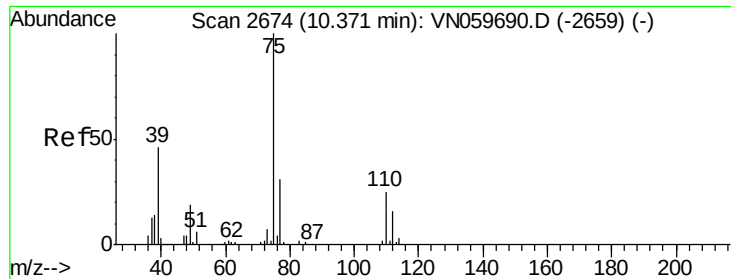
Tot Ion: 43 Resp: 222005
 Ion Ratio Lower Upper
 43 100
 58 40.3 29.8 44.8



#52
 Toluene
 Concen: 19.524 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

Tgt Ion: 92 Resp: 94729
 Ion Ratio Lower Upper
 92 100
 91 176.2 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.525 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

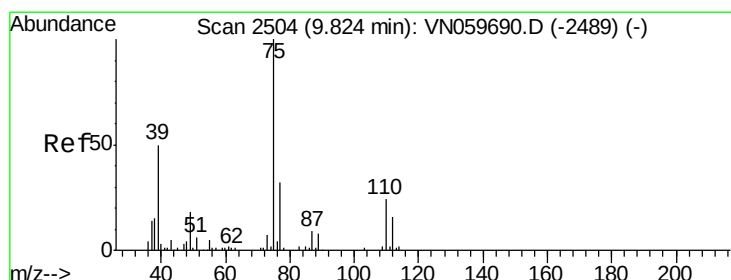
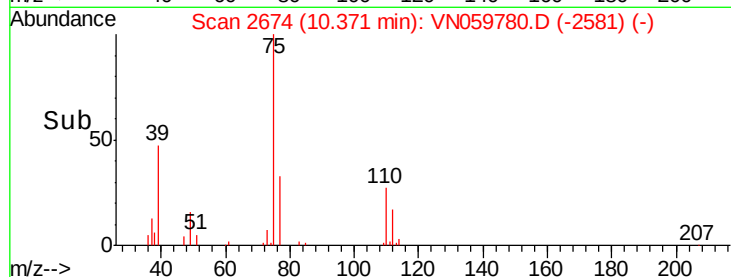
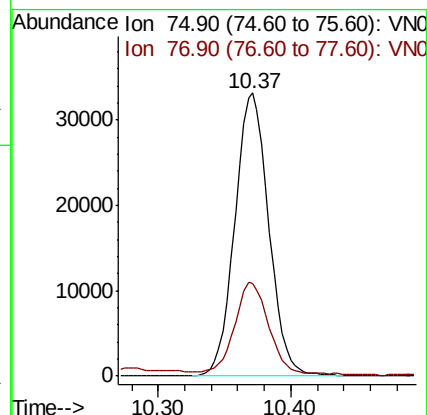
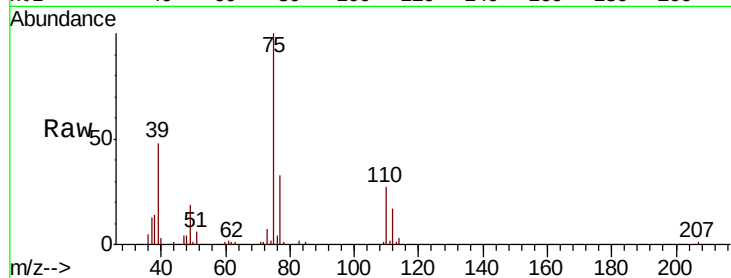
ClientSampleId :

Tot Ion: 75 Resp: 58907

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.007 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

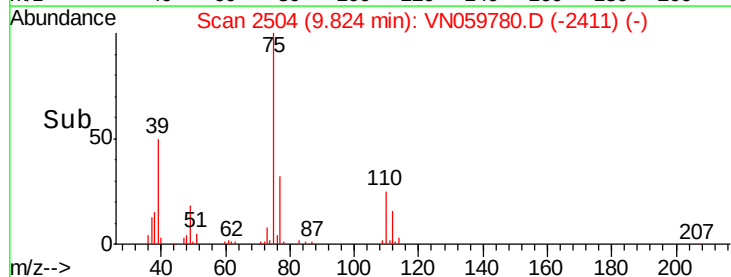
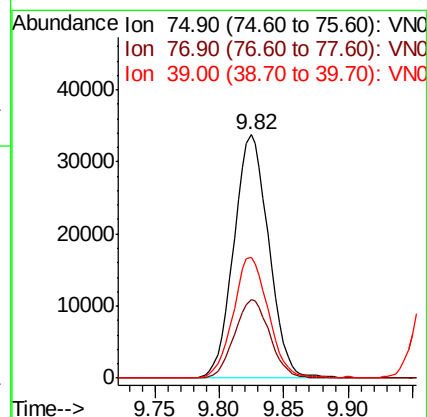
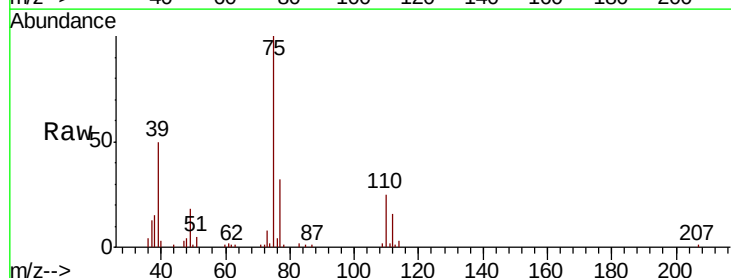
Tgt Ion: 75 Resp: 63512

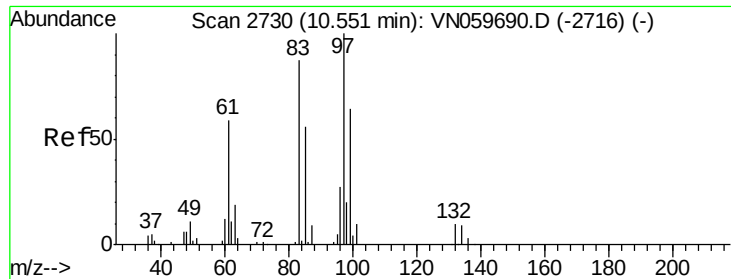
Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

39 49.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 19.960 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 38356

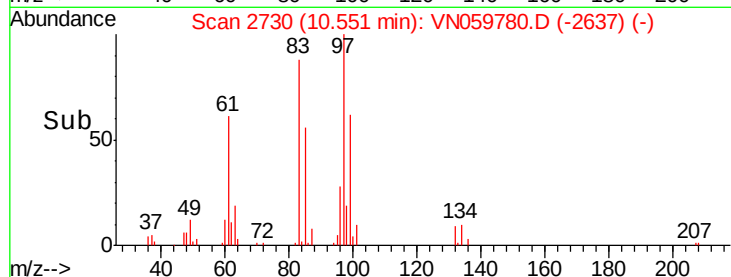
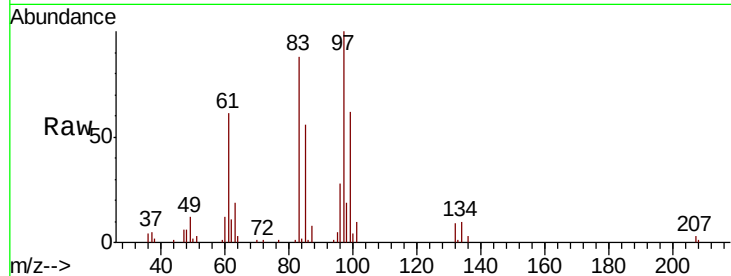
Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.3	106.9
85	55.9	45.8	68.8
99	61.7	50.0	75.0

97 100

83 87.5 71.3 106.9

85 55.9 45.8 68.8

99 61.7 50.0 75.0



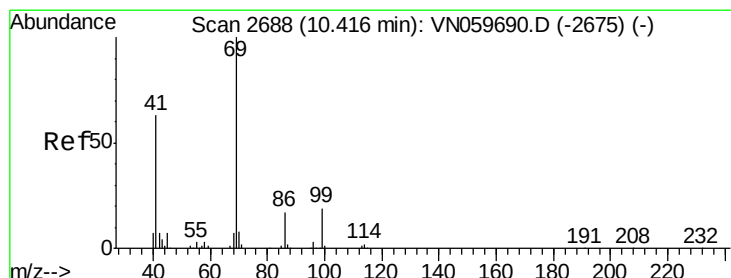
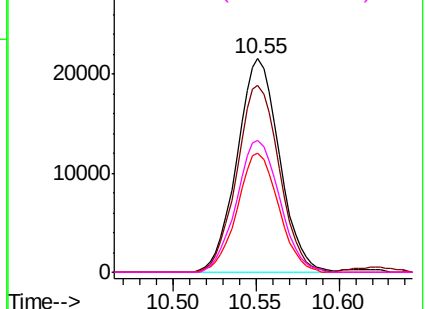
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.536 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

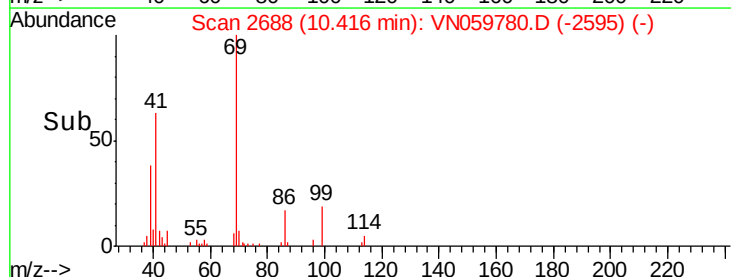
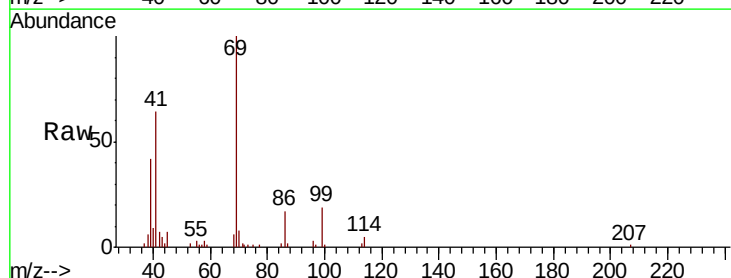
Tgt Ion: 69 Resp: 54428

Ion	Ratio	Lower	Upper
69	100		
41	65.4	57.1	85.7
39	41.6	34.7	52.1

69 100

41 65.4 57.1 85.7

39 41.6 34.7 52.1

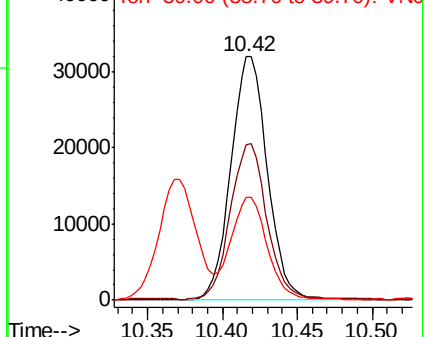


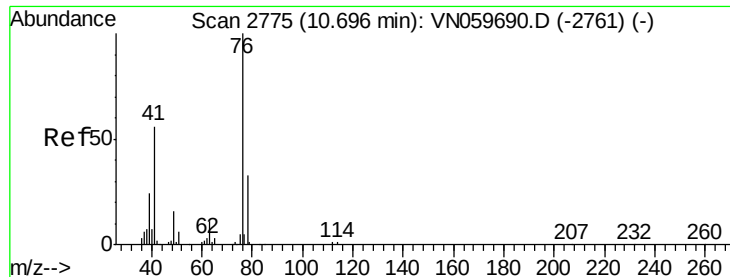
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.894 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

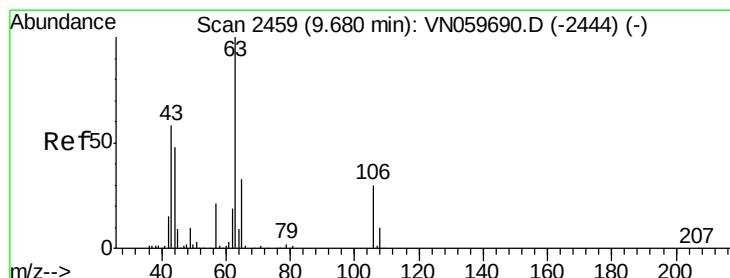
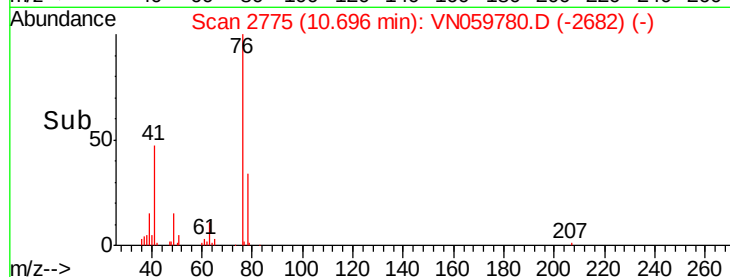
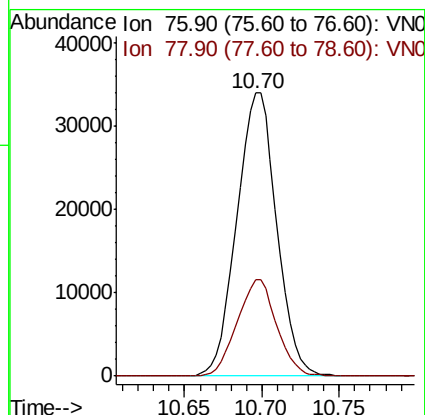
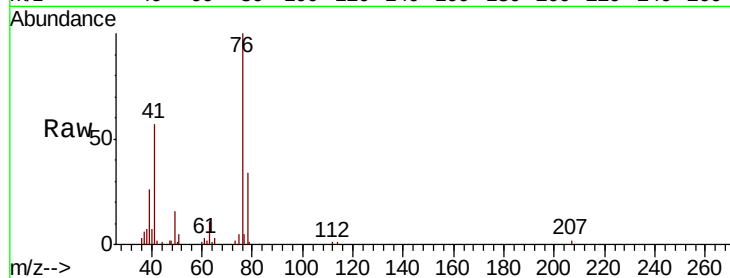
ClientSampleId :

Tot Ion: 76 Resp: 60693

Ion Ratio Lower Upper

76 100

78 33.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 103.657 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059780.D

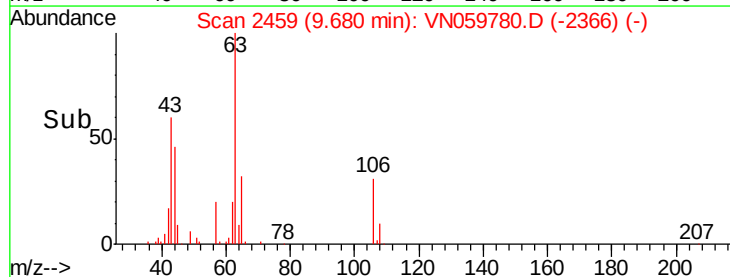
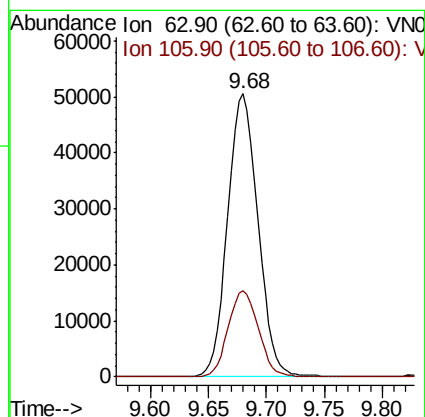
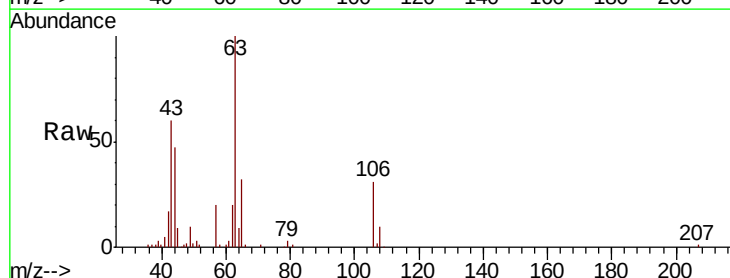
Acq: 20 Jan 2020 12:20

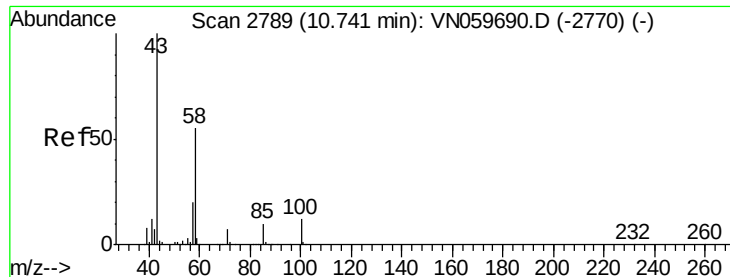
Tgt Ion: 63 Resp: 91677

Ion Ratio Lower Upper

63 100

106 30.2 20.2 30.2

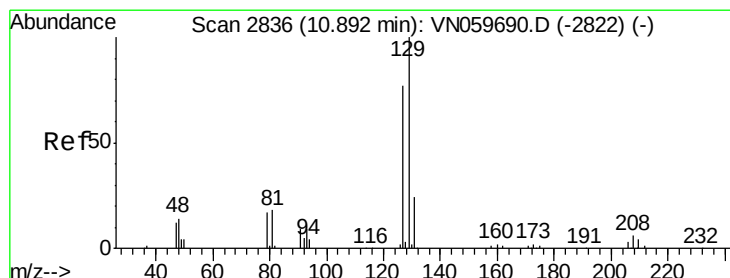
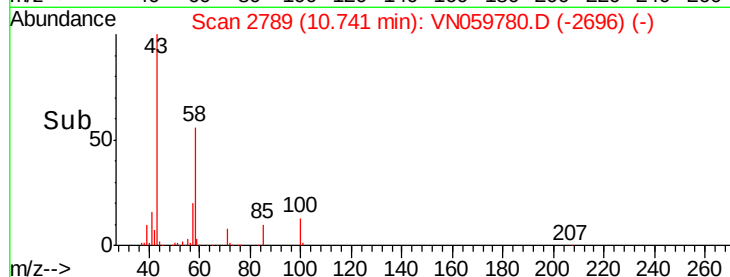
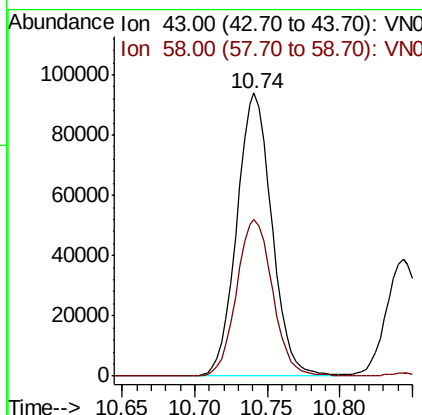
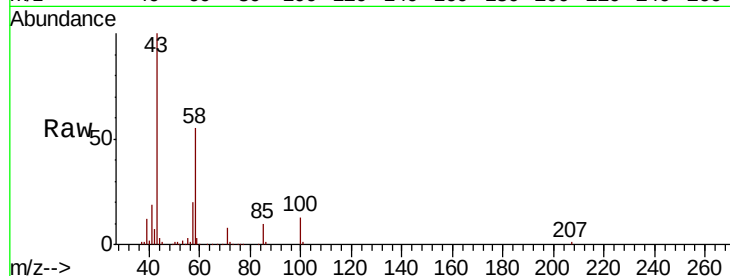




#59
2-Hexanone
Concen: 89.202 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

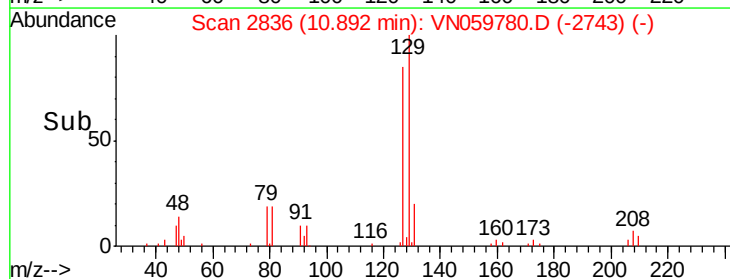
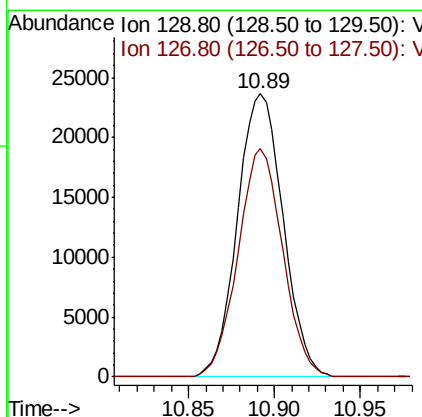
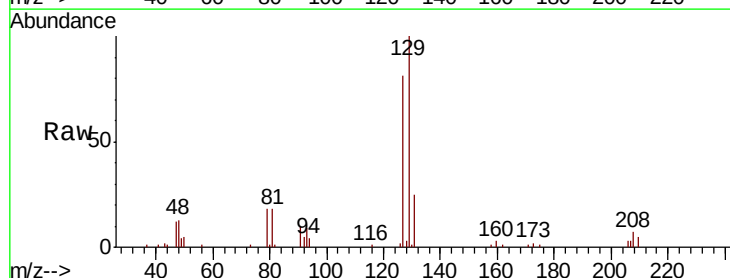
Instrument :
MSVOA_N
ClientSampleId :

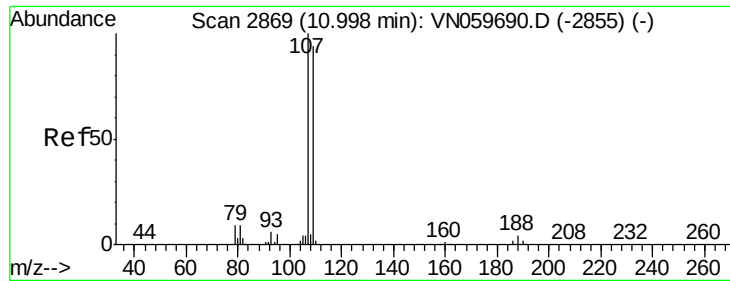
Tot Ion: 43 Resp: 157847
Ion Ratio Lower Upper
43 100
58 57.0 25.8 77.3



#60
Dibromochloromethane
Concen: 19.881 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 129 Resp: 43507
Ion Ratio Lower Upper
129 100
127 78.8 38.5 115.5

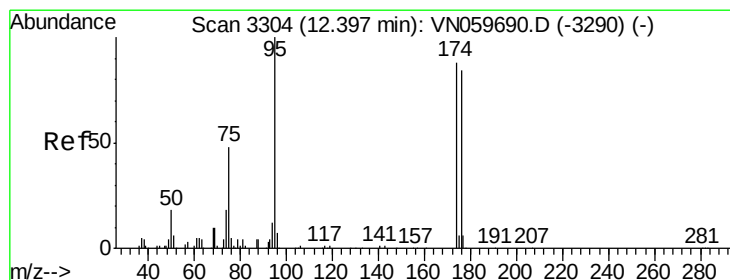
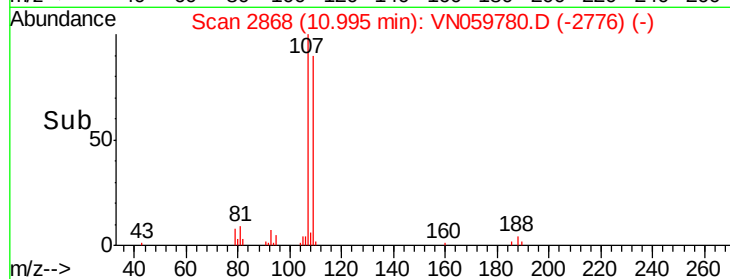
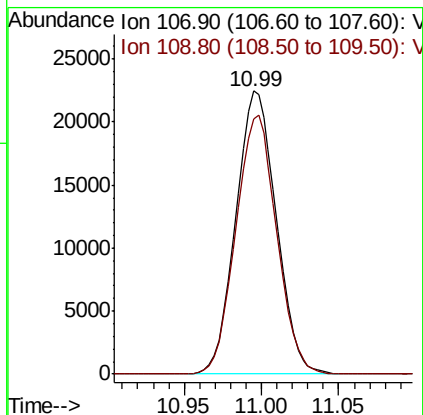
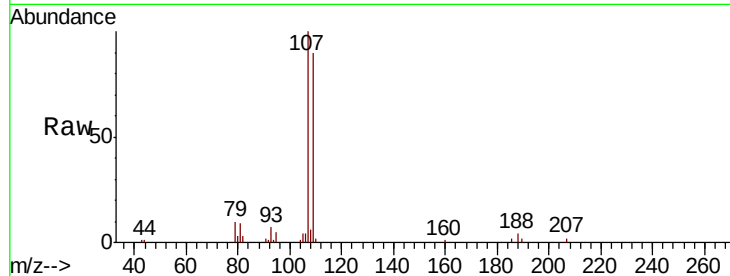




#61
 1,2-Dibromoethane
 Concen: 20.255 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

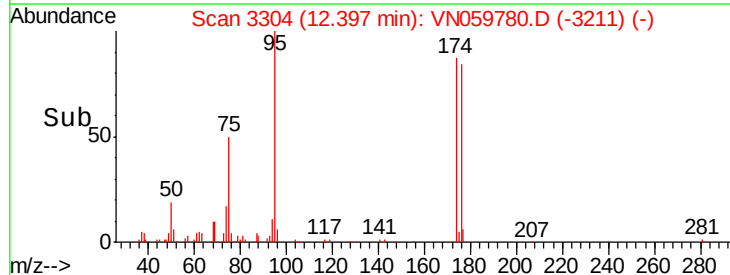
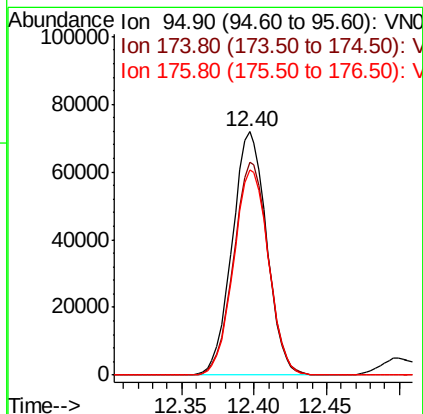
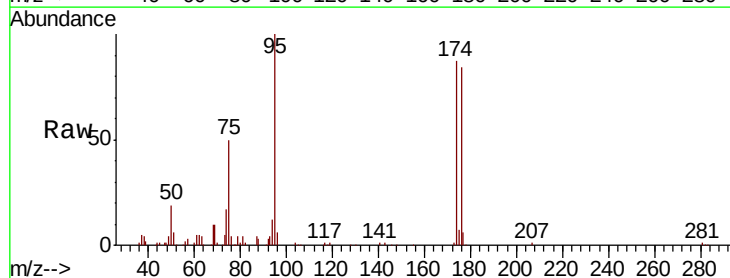
Instrument :
 MSVOA_N
 ClientSampled :

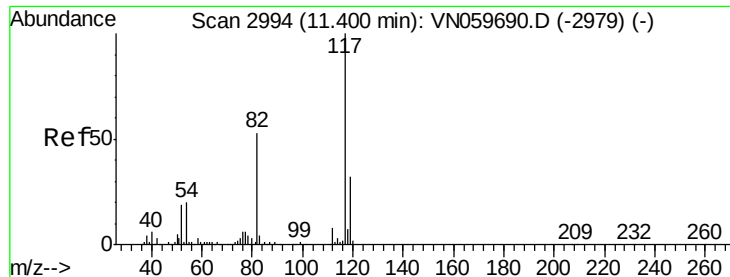
Tot Ion: 107 Resp: 40797
 Ion Ratio Lower Upper
 107 100
 109 92.5 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 48.016 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

Tgt Ion: 95 Resp: 118290
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 151.4
 176 85.8 0.0 146.0

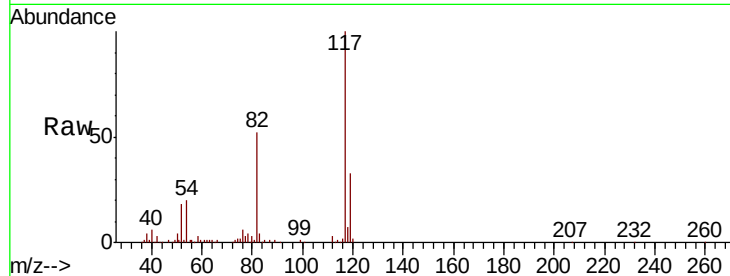




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.9	68.9
119	32.6	25.5	38.3

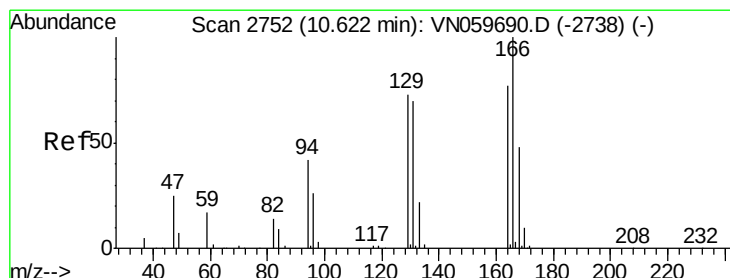
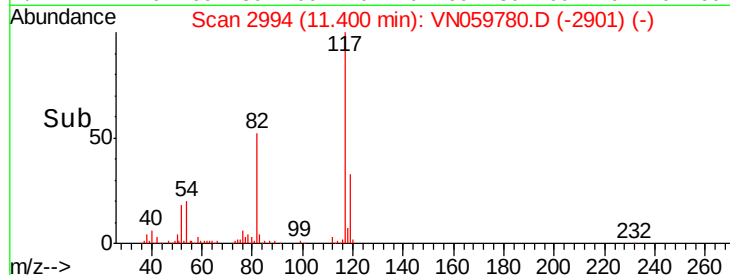
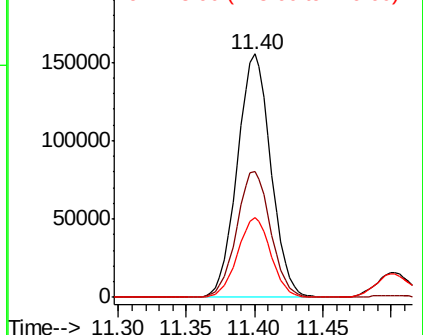


Abundance

Ion 116.90 (116.60 to 117.60): V

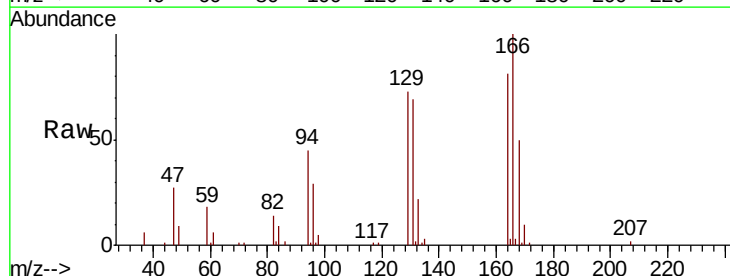
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.022 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	101.4	152.0
129	90.6	80.2	120.4
131	84.8	75.0	112.4



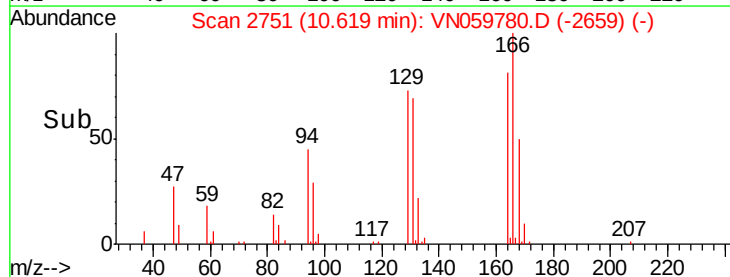
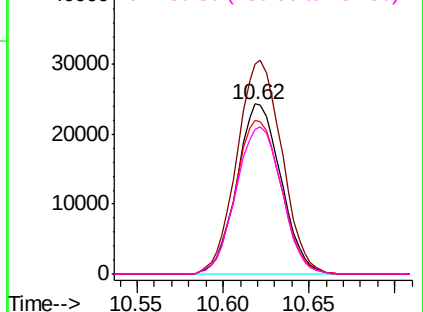
Abundance

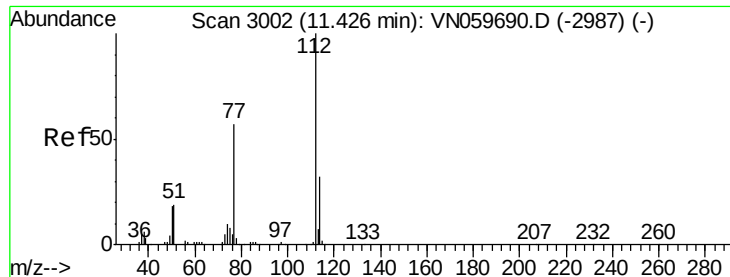
Ion 163.80 (163.50 to 164.50): V

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

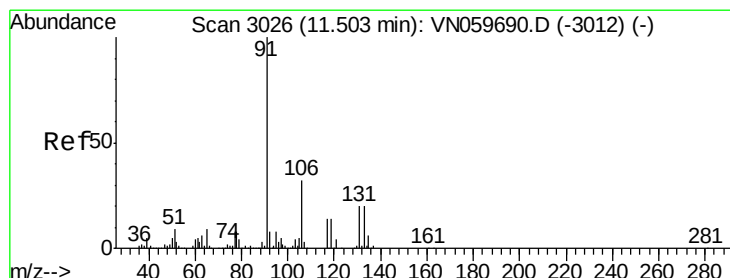
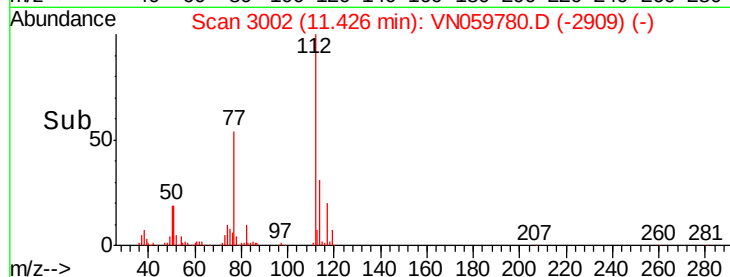
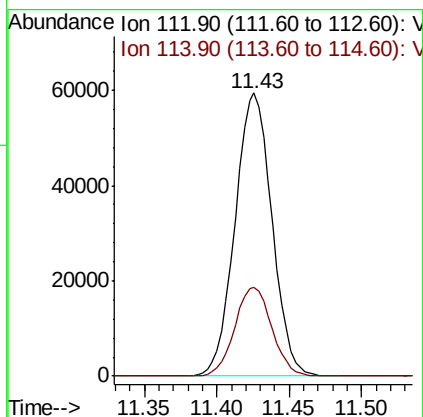
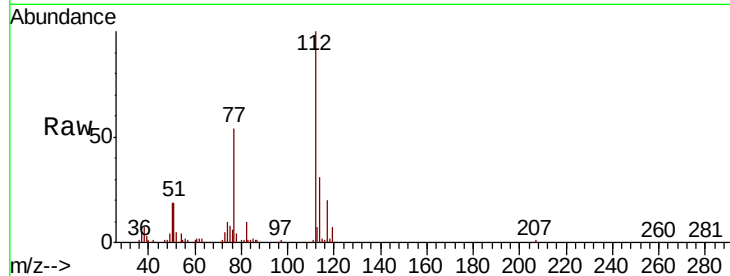




#65
Chlorobenzene
Concen: 20.135 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

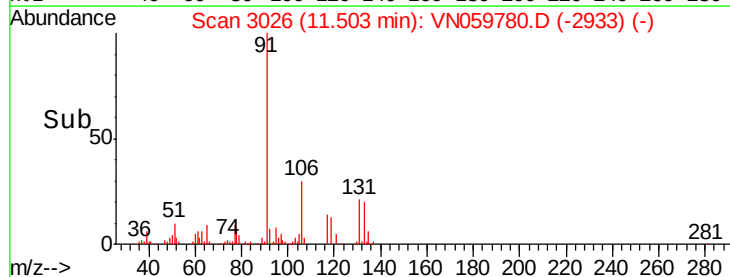
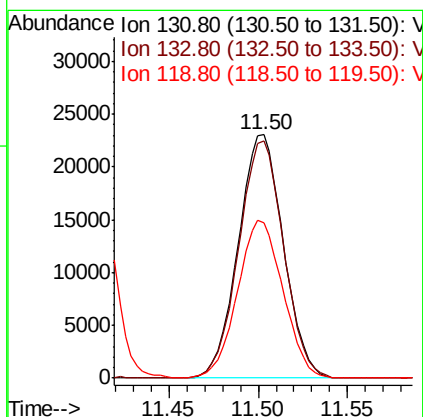
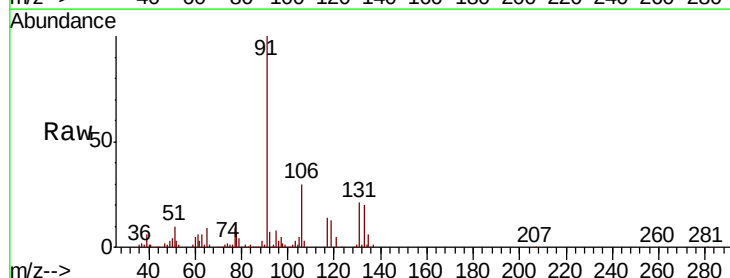
Instrument :
MSVOA_N
ClientSampled :

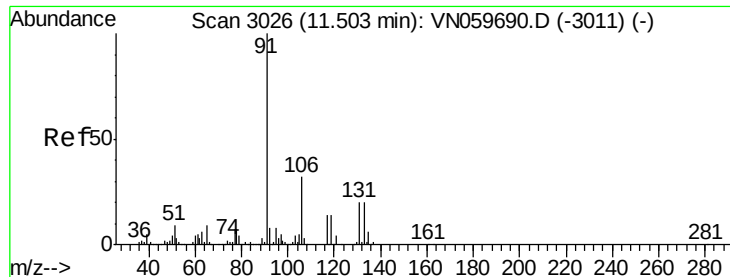
Tot Ion:112 Resp: 105064
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.208 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion:131 Resp: 40744
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.2
119 65.4 33.1 99.3





#67

Ethyl Benzene

Concen: 19.422 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

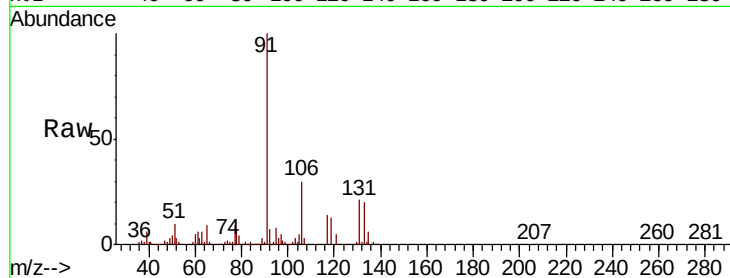
ClientSampled :

Tot Ion: 91 Resp: 183974

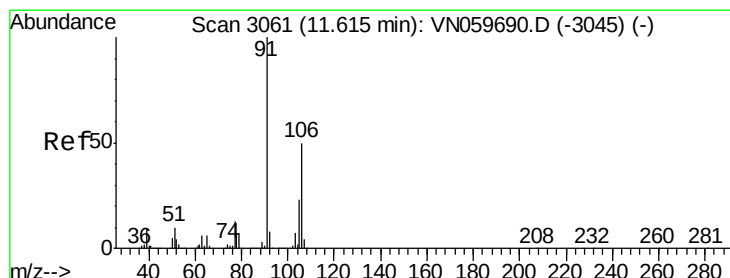
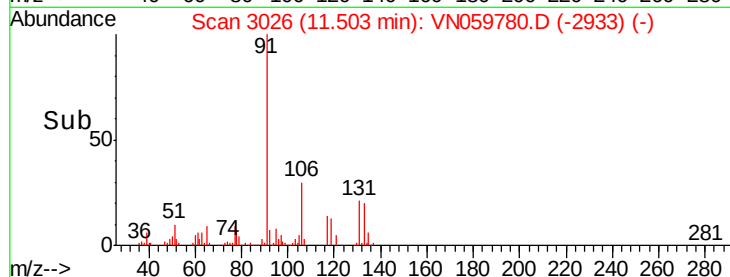
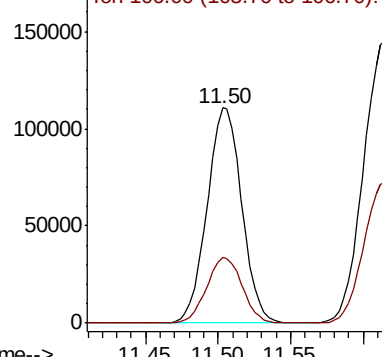
Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059780.D (-2933) (-)



#68

m/p-Xylenes

Concen: 39.488 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059780.D

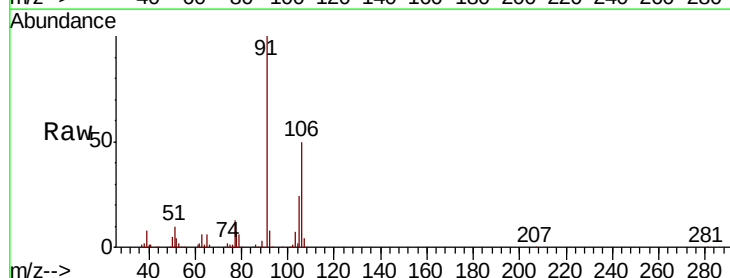
Acq: 20 Jan 2020 12:20

Tgt Ion: 106 Resp: 141292

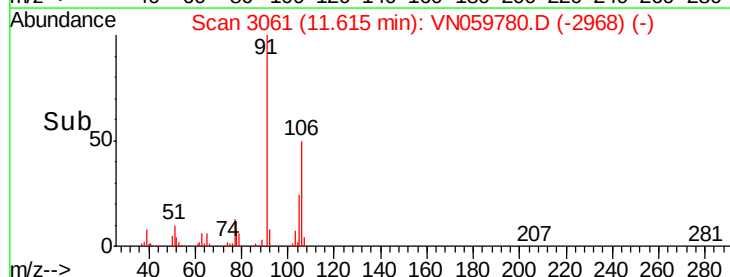
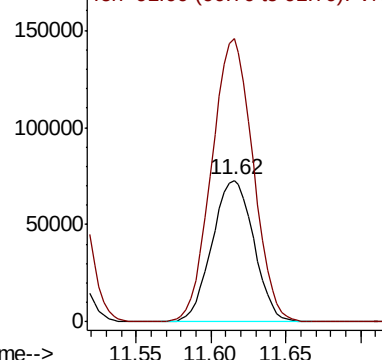
Ion Ratio Lower Upper

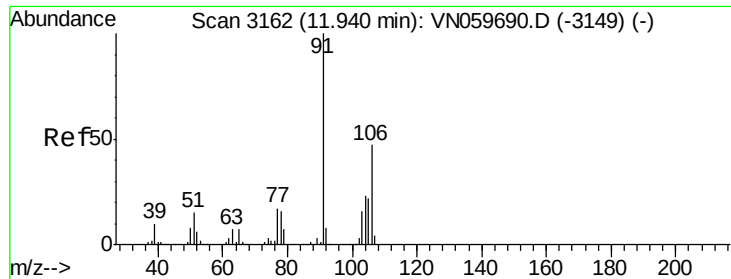
106 100

91 198.3 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059780.D (-2968) (-)

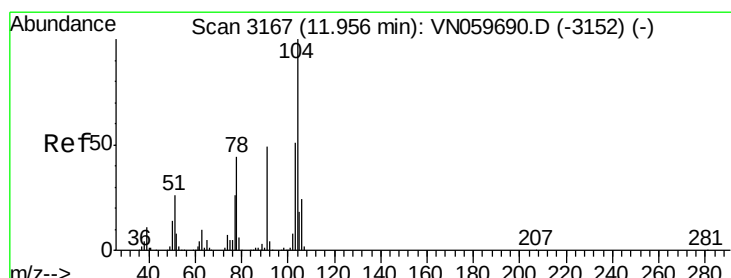
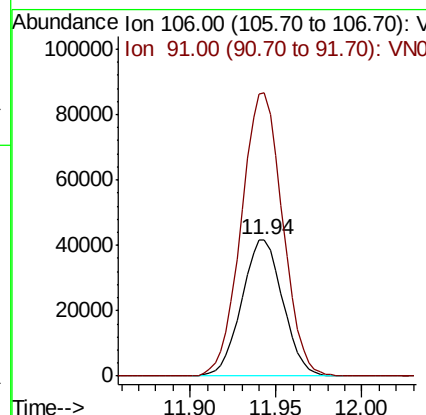
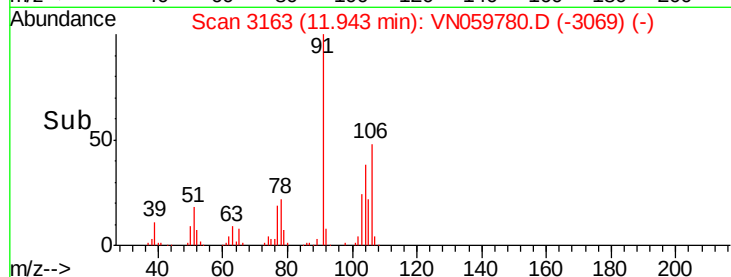
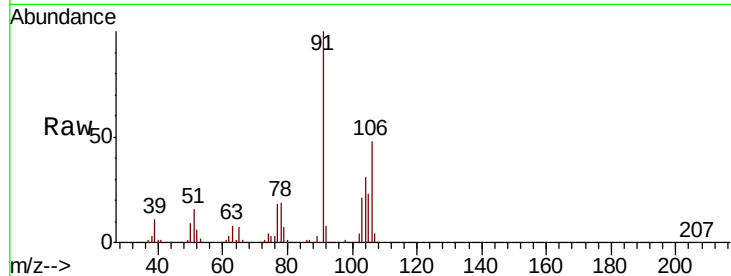




#69
o-Xylene
Concen: 19.728 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

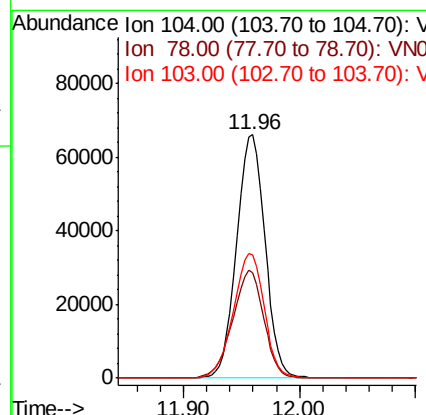
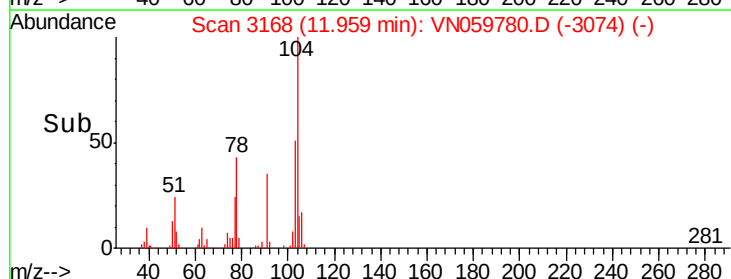
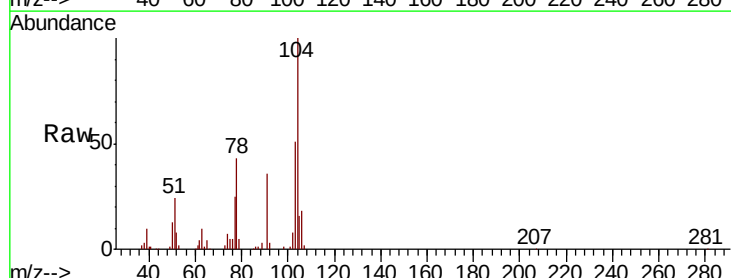
Instrument :
MSVOA_N
ClientSampled :

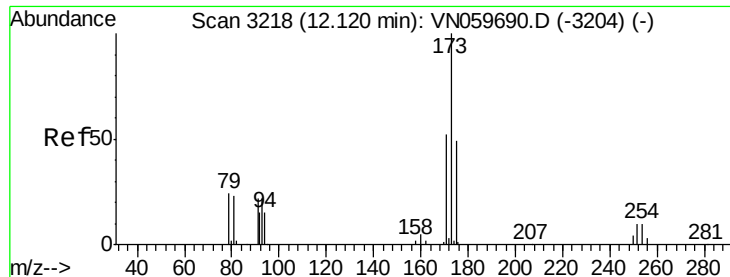
Tot Ion:106 Resp: 69109
Ion Ratio Lower Upper
106 100
91 209.1 110.3 330.9



#70
Styrene
Concen: 19.130 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion:104 Resp: 112134
Ion Ratio Lower Upper
104 100
78 48.4 42.4 63.6
103 55.7 43.9 65.9





#71

Bromoform

Concen: 20.308 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampleId :

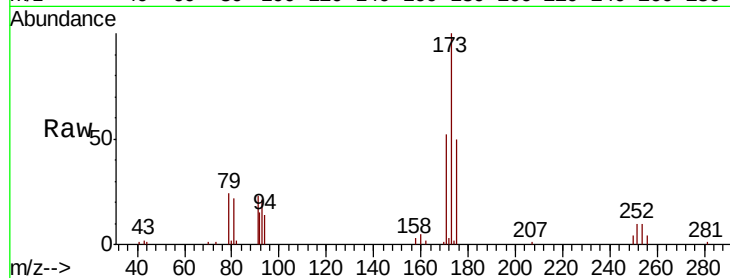
Tot Ion:173 Resp: 32798

Ion Ratio Lower Upper

173 100

175 49.1 23.8 71.4

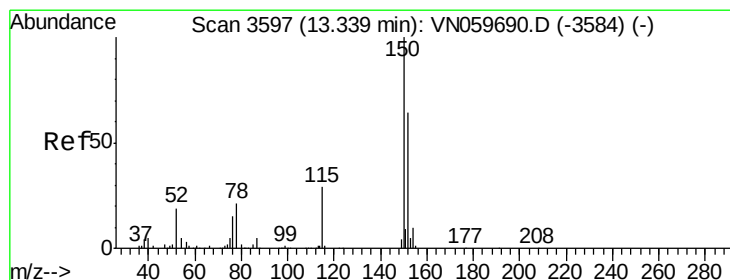
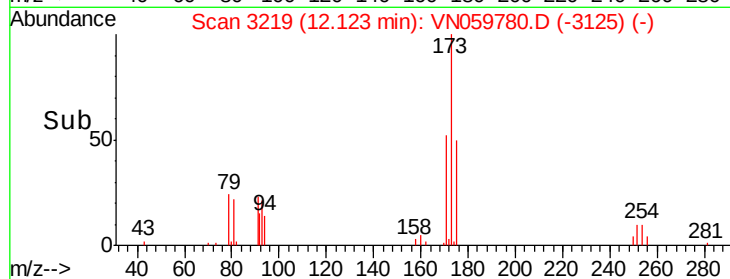
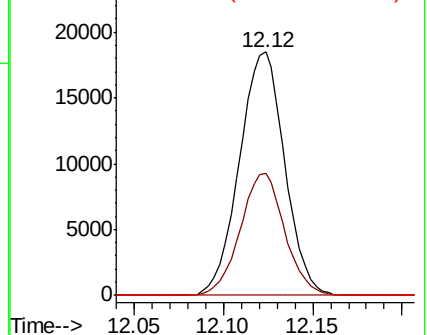
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

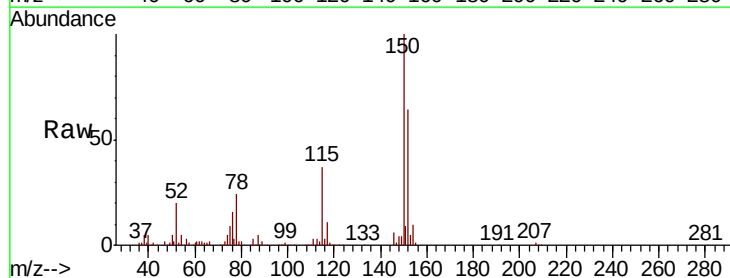
Tgt Ion:152 Resp: 124786

Ion Ratio Lower Upper

152 100

115 57.4 30.3 90.9

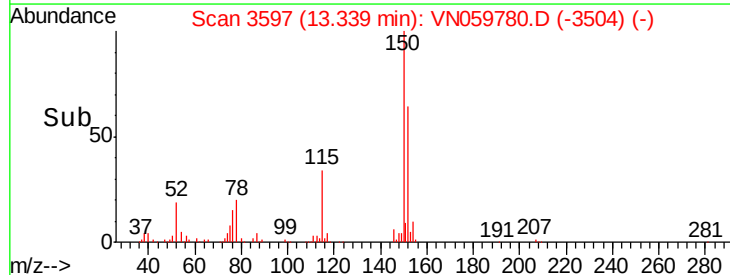
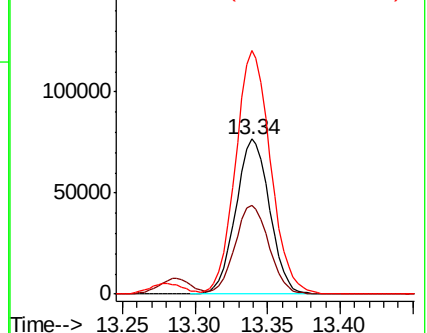
150 162.3 0.0 345.2

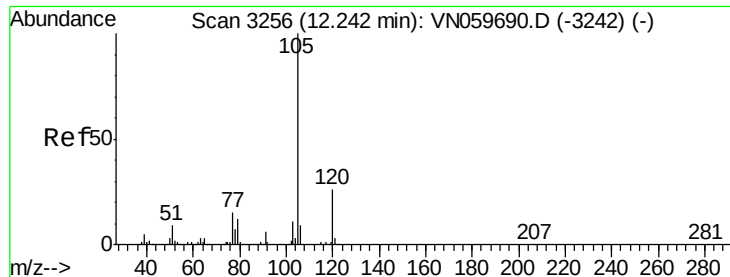


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.844 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

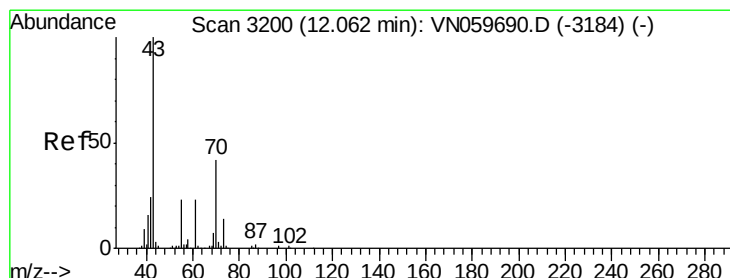
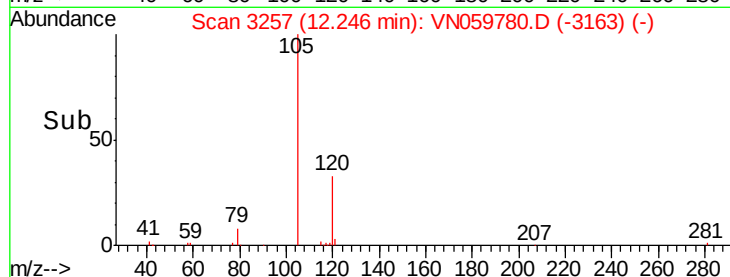
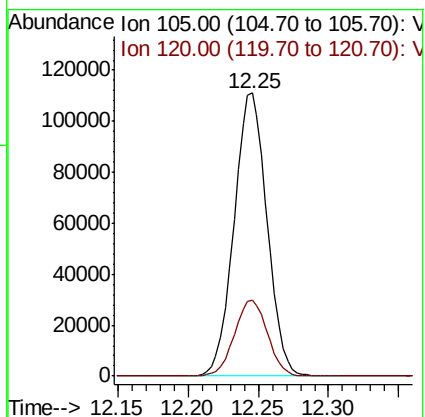
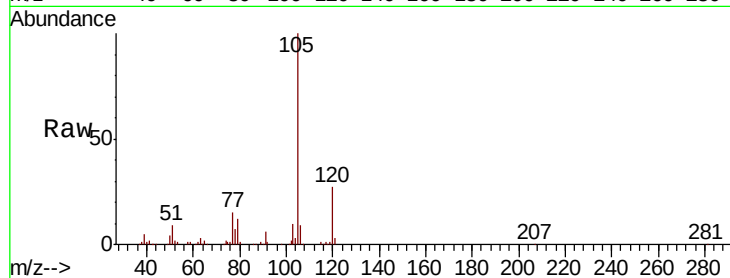
ClientSampleId :

Tot Ion:105 Resp: 181606

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.5



#74

N-ethyl acetate

Concen: 18.022 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Tgt Ion: 43 Resp: 64000

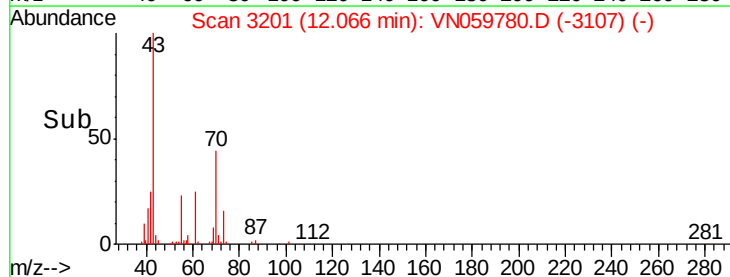
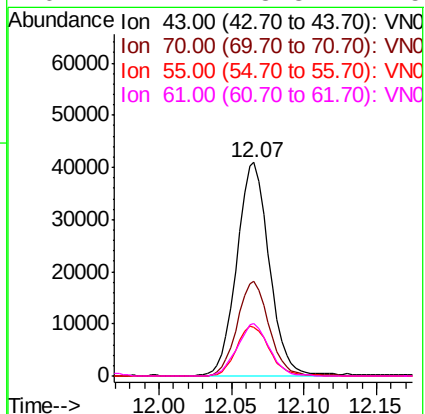
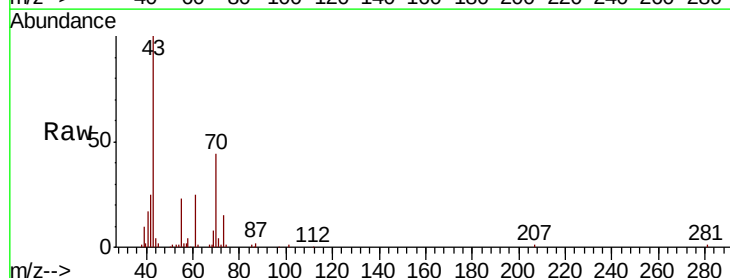
Ion Ratio Lower Upper

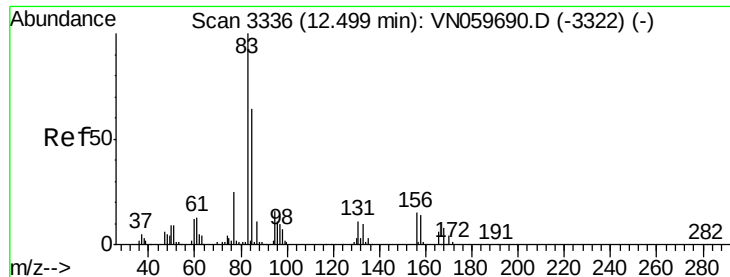
43 100

70 43.5 31.3 46.9

55 23.5 19.8 29.6

61 24.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.316 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampleId :

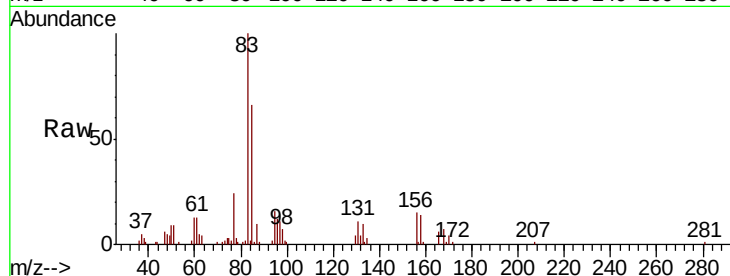
Tot Ion: 83 Resp: 51246

Ion Ratio Lower Upper

83 100

131 11.2 5.0 14.9

85 66.0 31.9 95.5



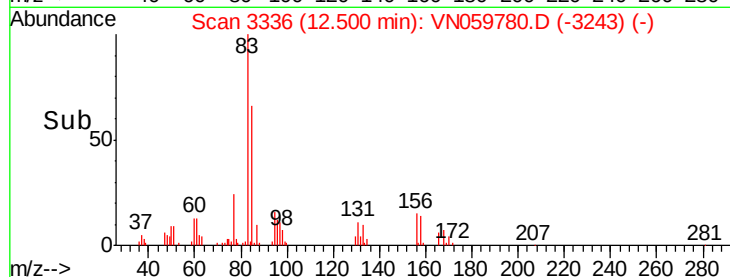
Abundance Ion 82.90 (82.60 to 83.60): VN059690.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059690.D (-3322) (-)

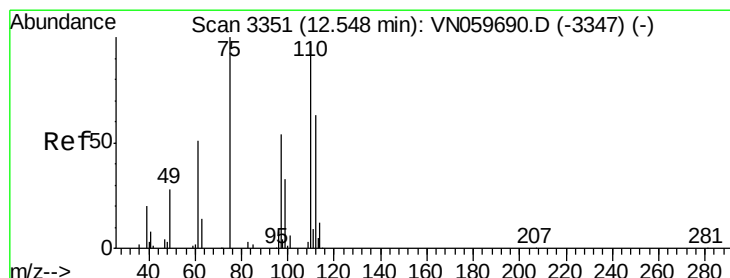
Ion 84.90 (84.60 to 85.60): VN059690.D (-3322) (-)

12.50

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 33.002 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059780.D

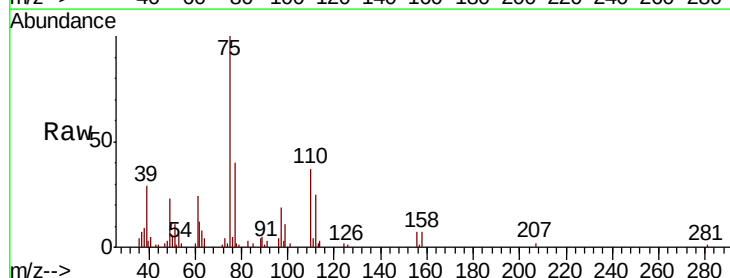
Acq: 20 Jan 2020 12:20

Tgt Ion: 75 Resp: 69306

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

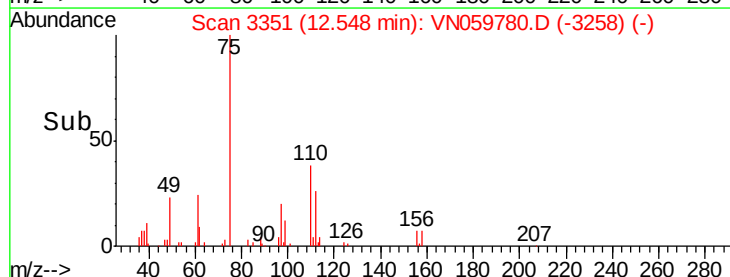


Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-3347) (-)

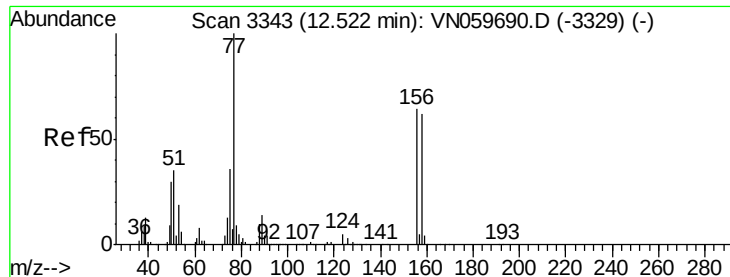
Ion 77.00 (76.70 to 77.70): VN059690.D (-3347) (-)

12.55

Time-->



Time-->



#77

Bromobenzene

Concen: 20.538 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampled :

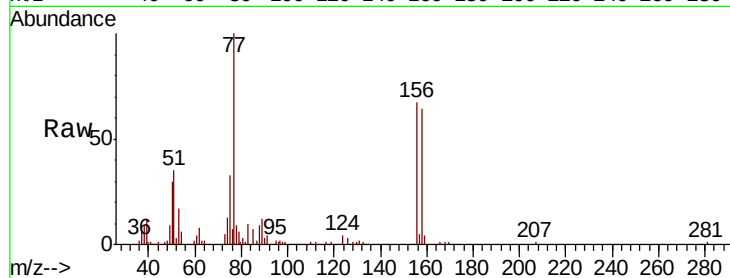
Tot Ion:156 Resp: 47599

Ion Ratio Lower Upper

156 100

77 185.2 115.8 347.4

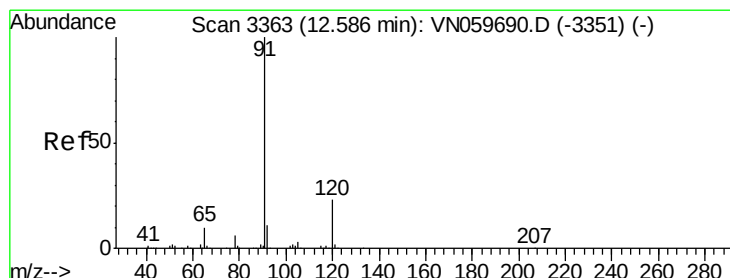
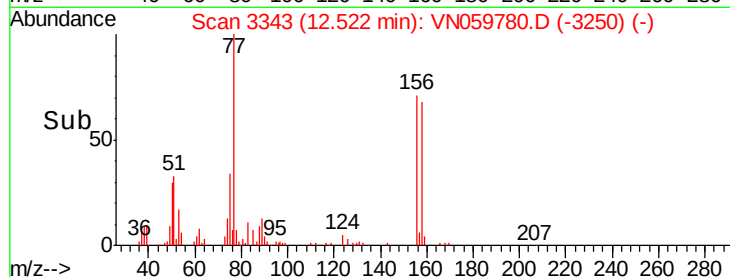
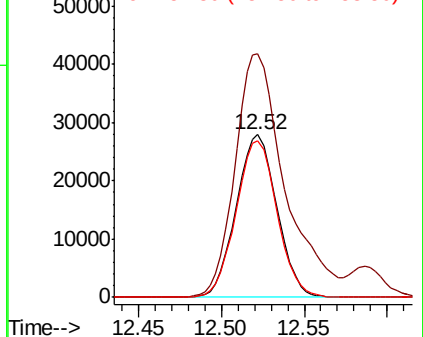
158 97.1 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.813 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059780.D

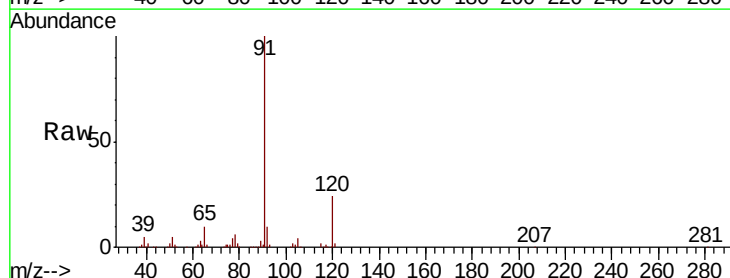
Acq: 20 Jan 2020 12:20

Tgt Ion: 91 Resp: 203519

Ion Ratio Lower Upper

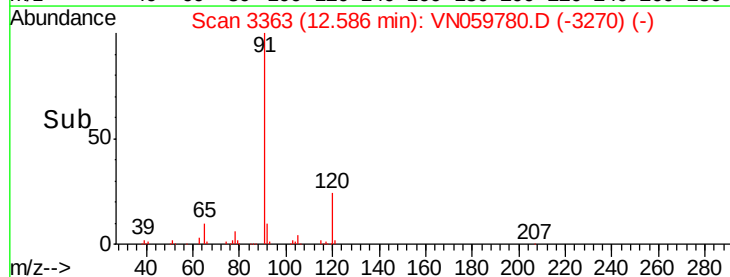
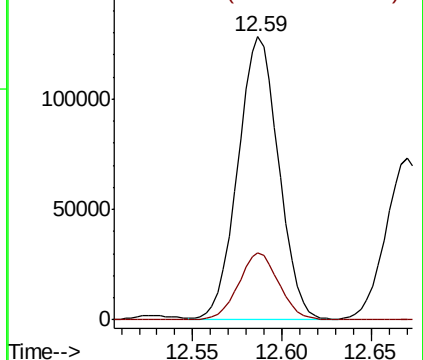
91 100

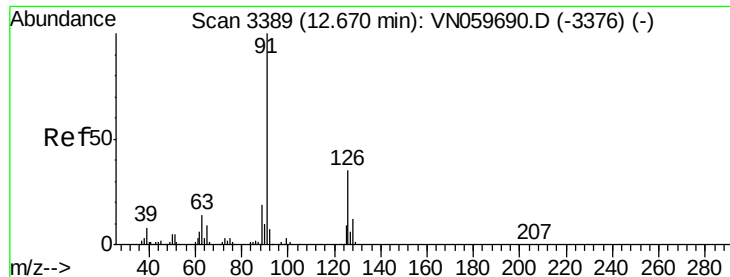
120 23.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.779 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

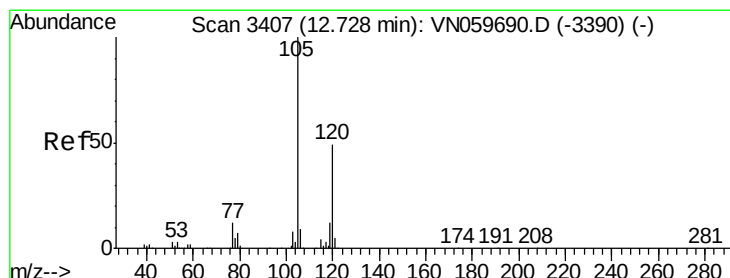
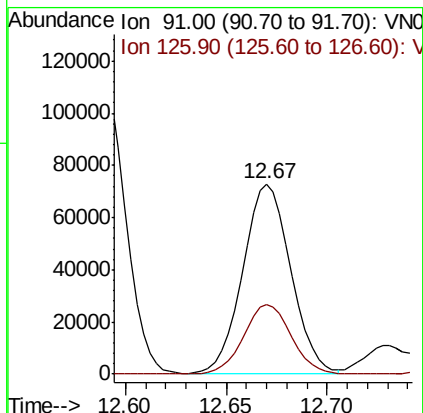
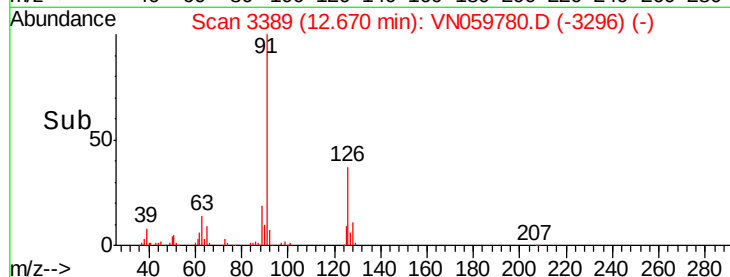
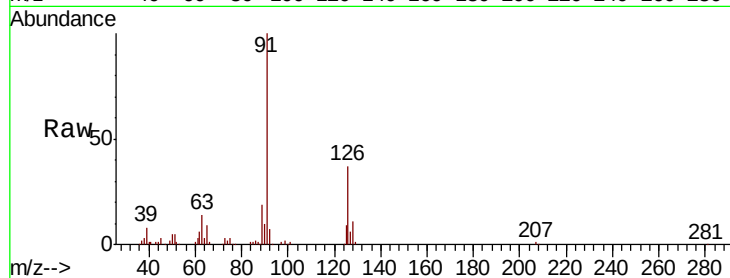
ClientSampleId :

Tot Ion: 91 Resp: 120864

Ion Ratio Lower Upper

91 100

126 36.5 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 19.992 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059780.D

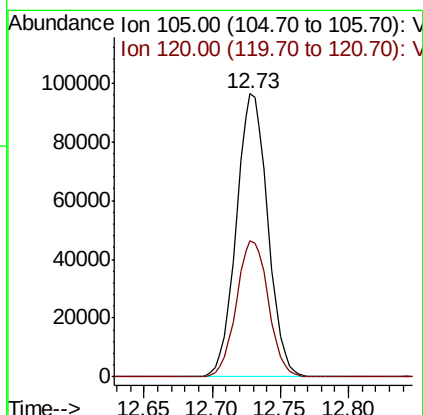
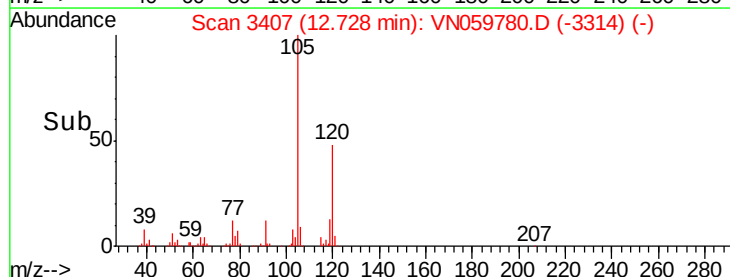
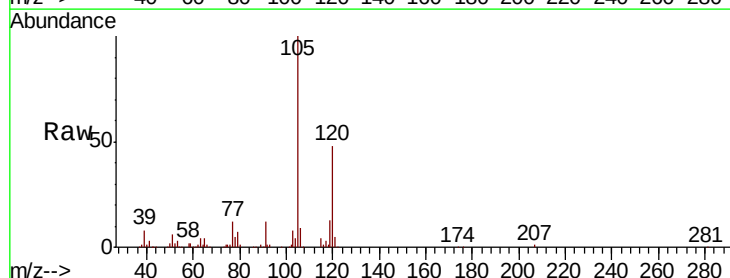
Acq: 20 Jan 2020 12:20

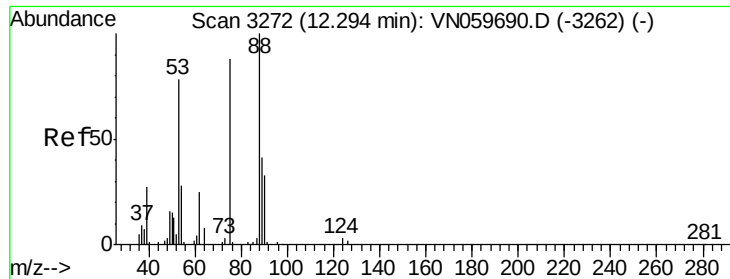
Tgt Ion: 105 Resp: 153871

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4

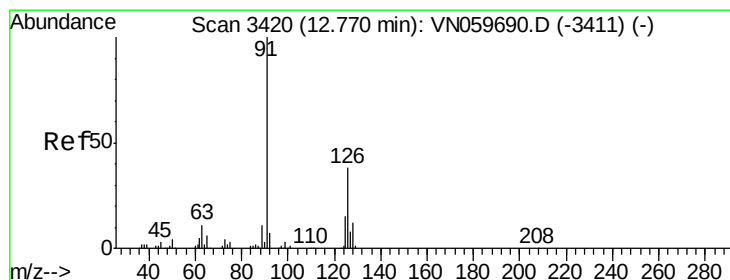
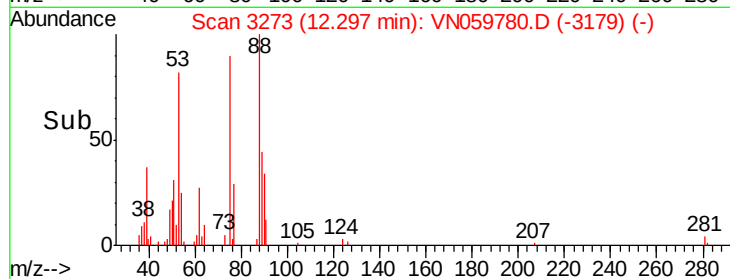
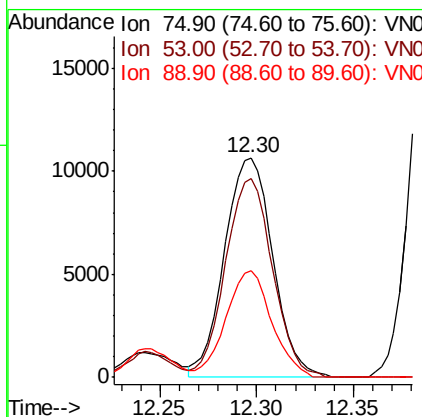
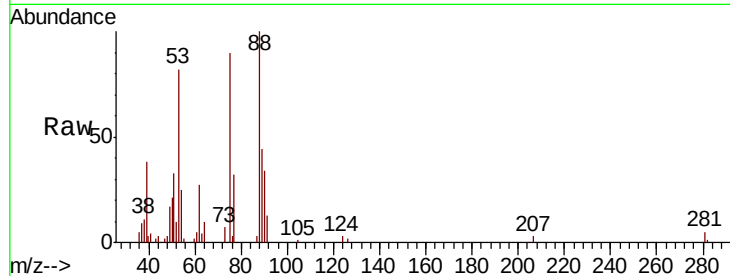




#81
trans-1,4-Dichloro-2-butene
Concen: 18.939 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

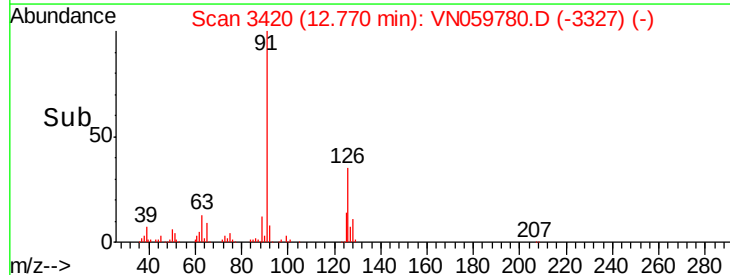
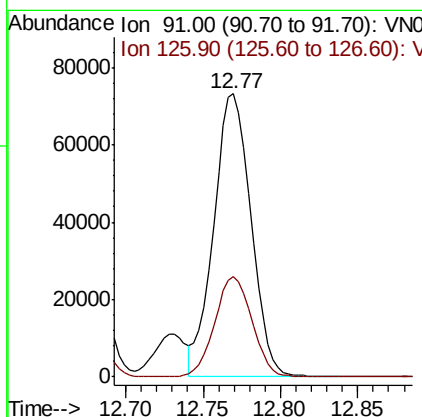
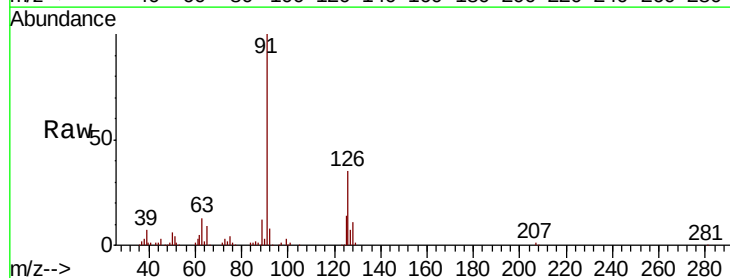
Instrument :
MSVOA_N
ClientSampled :

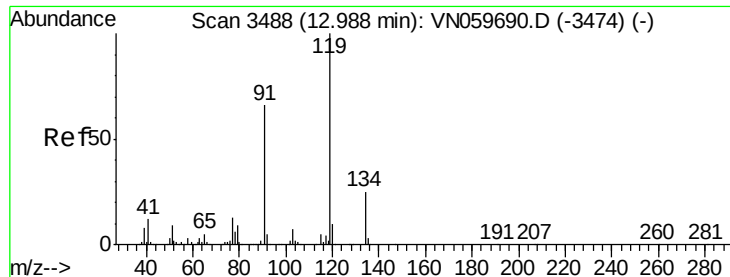
Tot Ion: 75 Resp: 18520
Ion Ratio Lower Upper
75 100
53 88.3 78.1 117.1
89 46.1 35.4 53.2



#82
4-Chlorotoluene
Concen: 20.021 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059780.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 91 Resp: 122715
Ion Ratio Lower Upper
91 100
126 35.3 16.3 48.8

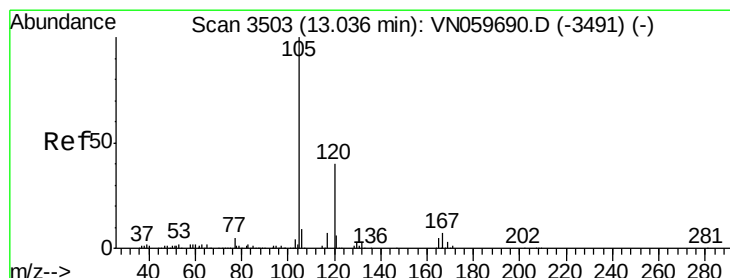
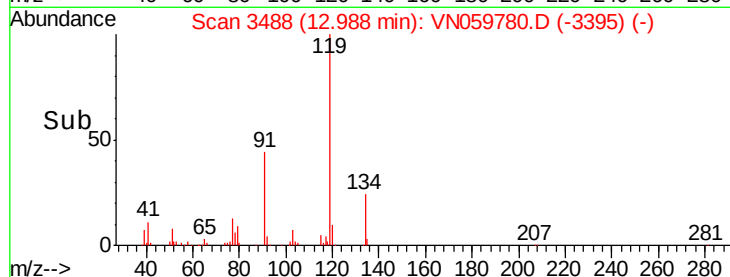
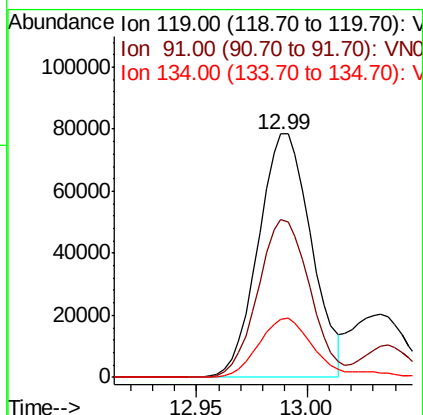
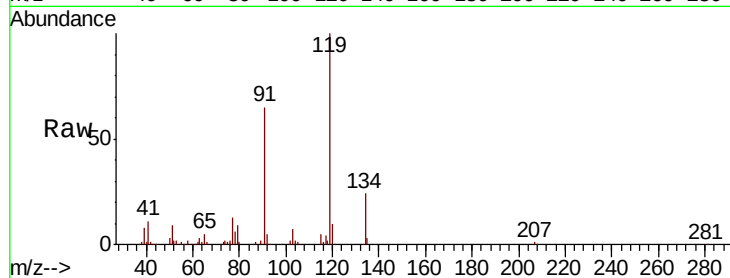




#83
 tert-Butylbenzene
 Concen: 19.655 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

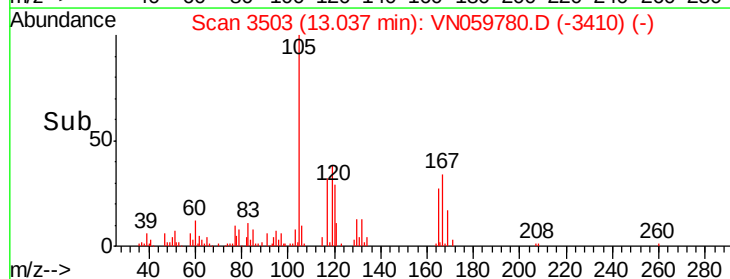
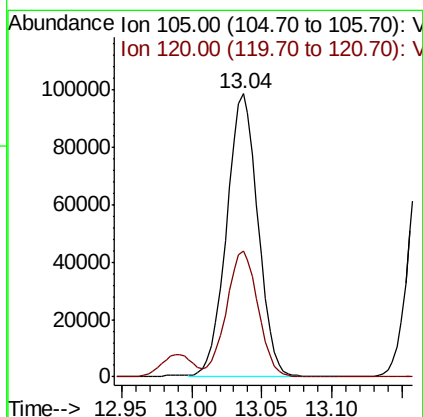
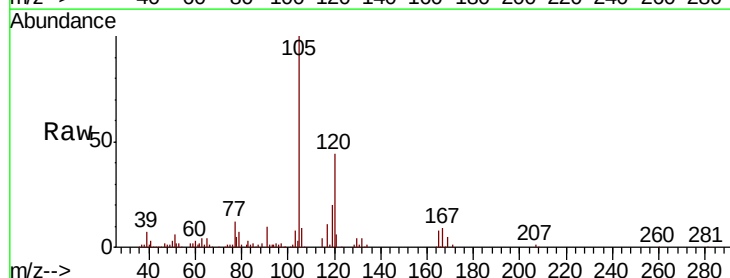
Instrument :
 MSVOA_N
 ClientSampled :

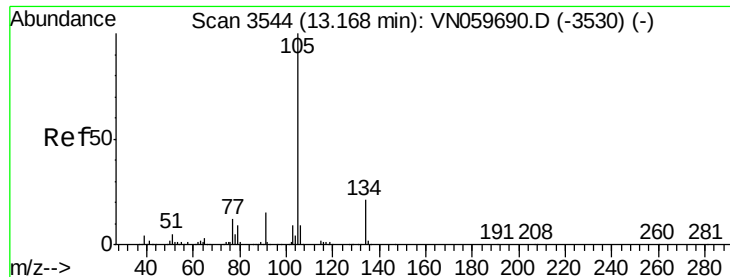
Tot Ion:119 Resp: 130833
 Ion Ratio Lower Upper
 119 100
 91 63.7 34.8 104.4
 134 26.0 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.171 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

Tgt Ion:105 Resp: 153589
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 19.775 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

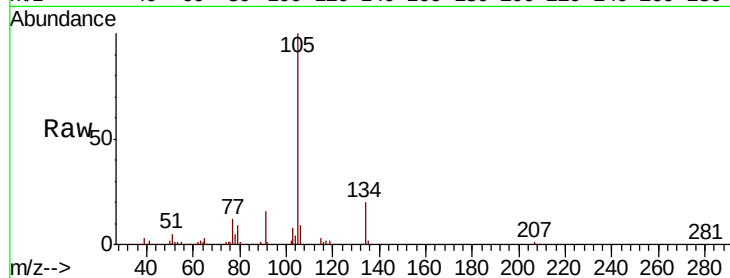
ClientSampleId :

Tot Ion:105 Resp: 172944

Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

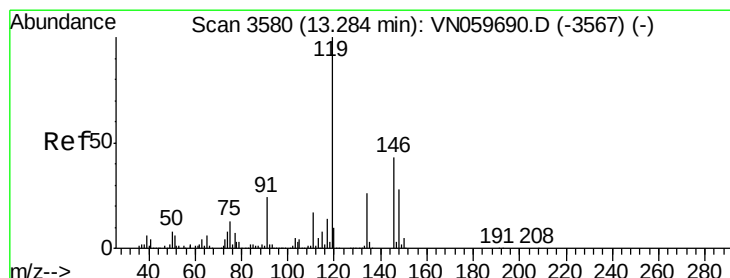
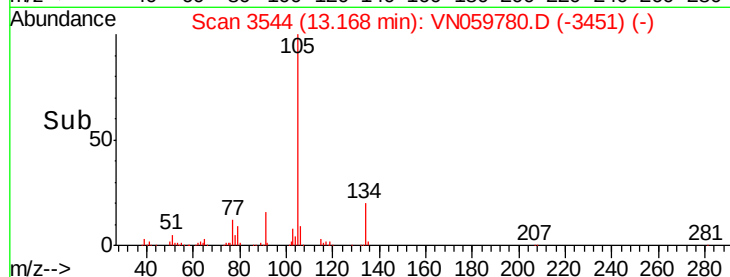
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.679 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

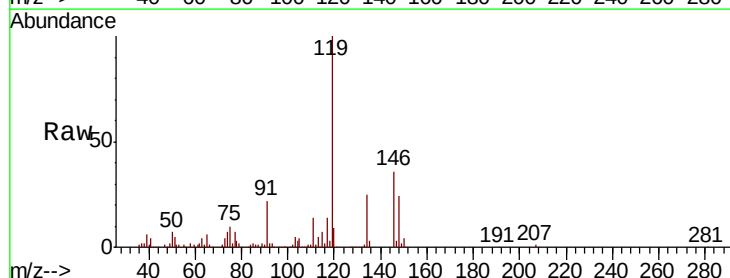
Tgt Ion:119 Resp: 159253

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

91 23.4 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

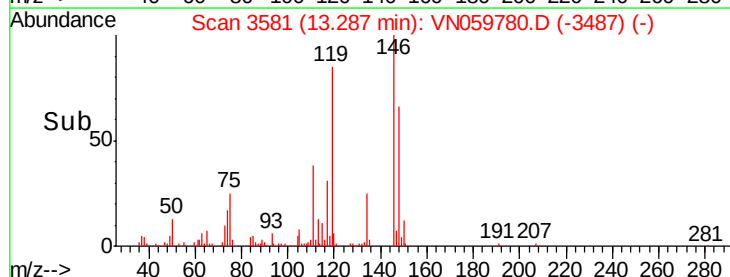
100000

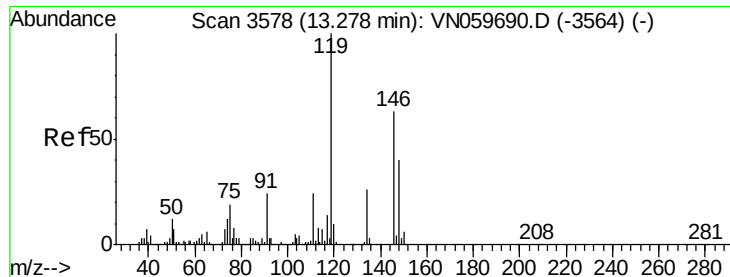
50000

0

13.20 13.25 13.30 13.35

Time-->

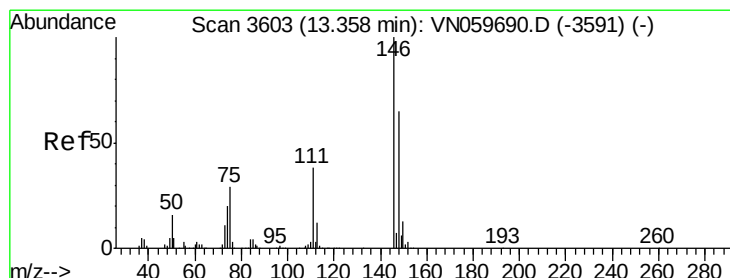
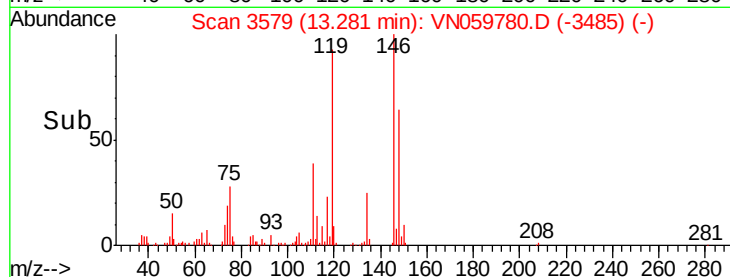
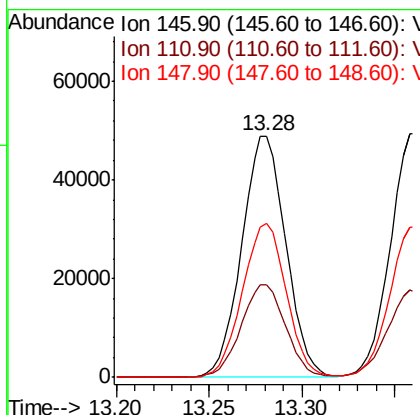
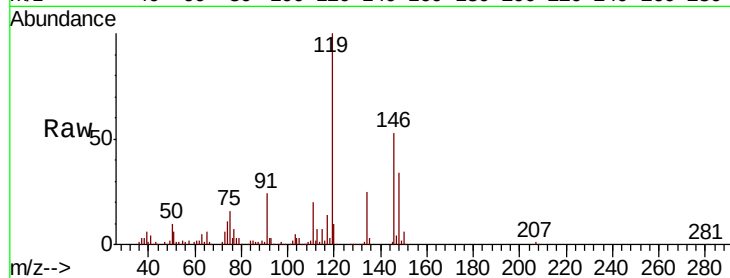




#87
 1,3-Dichlorobenzene
 Concen: 20.055 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

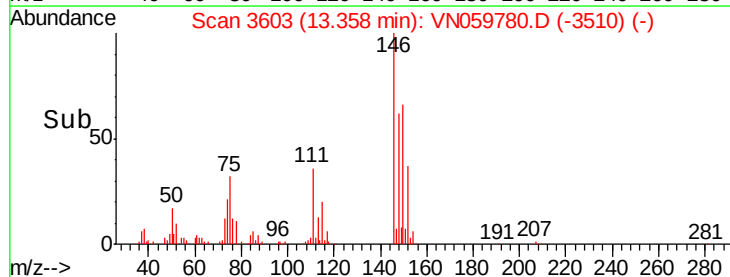
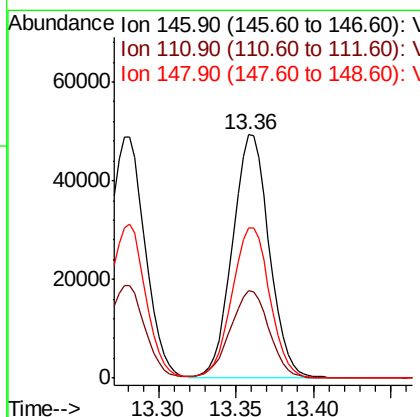
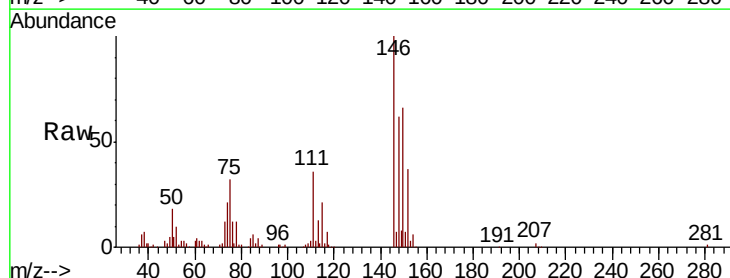
Instrument :
 MSVOA_N
 ClientSampled :

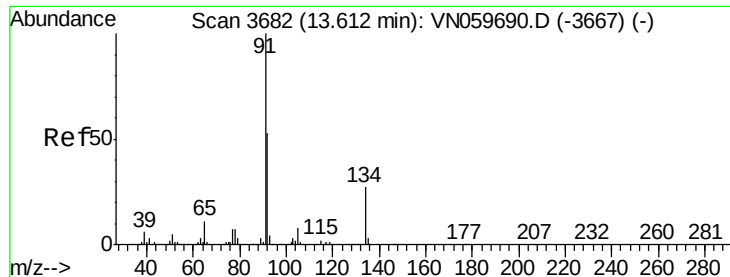
Tot Ion:146 Resp: 80738
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.8 62.2
 148 63.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.293 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

Tgt Ion:146 Resp: 81500
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.8 62.2
 148 63.5 31.8 95.4





#89

n-Butylbenzene

Concen: 19.276 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampled :

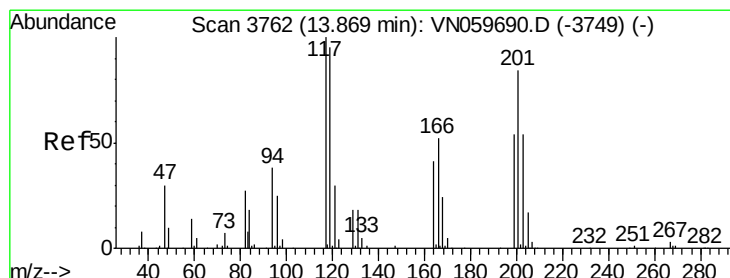
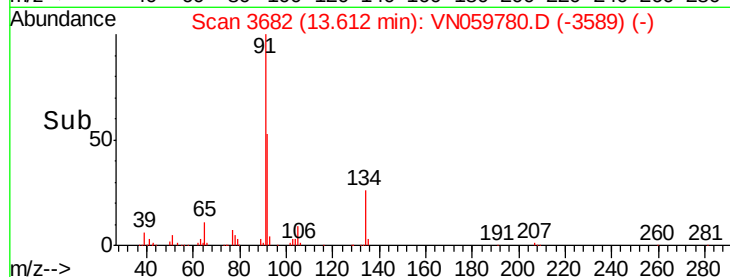
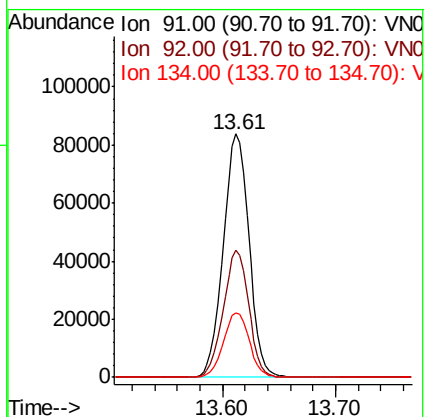
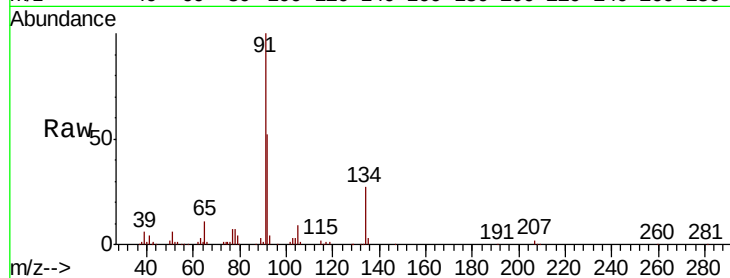
Tot Ion: 91 Resp: 133004

Ion Ratio Lower Upper

91 100

92 51.6 25.9 77.7

134 26.6 12.3 36.8



#90

Hexachloroethane

Concen: 19.511 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN059780.D

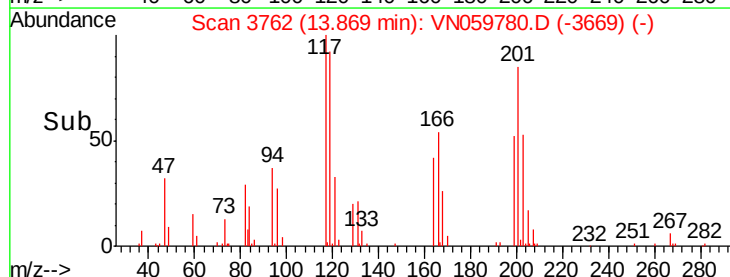
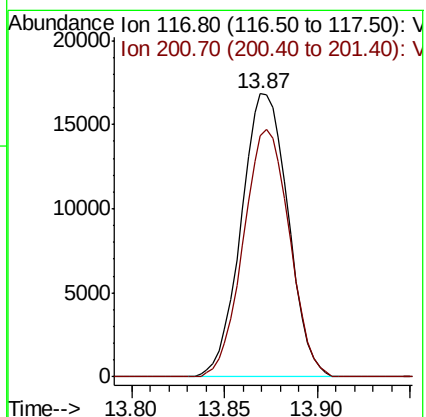
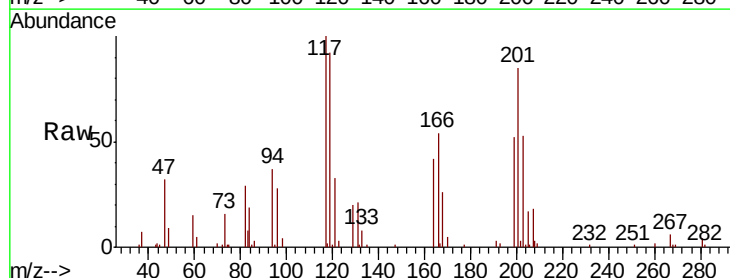
Acq: 20 Jan 2020 12:20

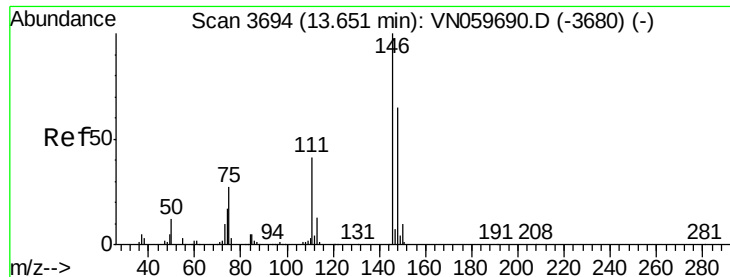
Tgt Ion: 117 Resp: 29541

Ion Ratio Lower Upper

117 100

201 86.1 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 20.108 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059780.D

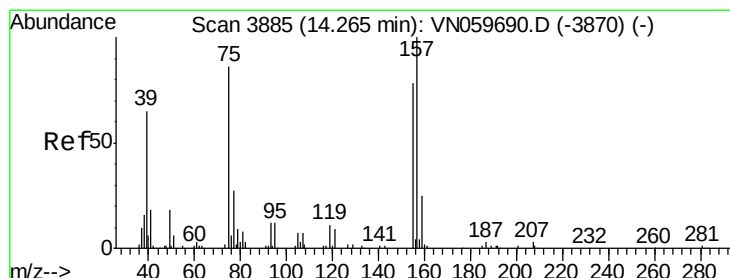
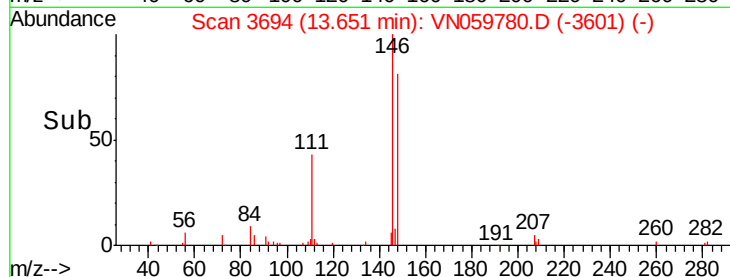
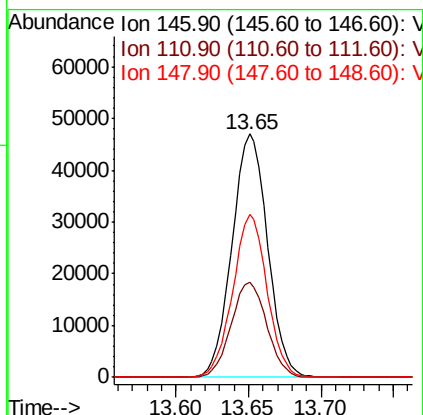
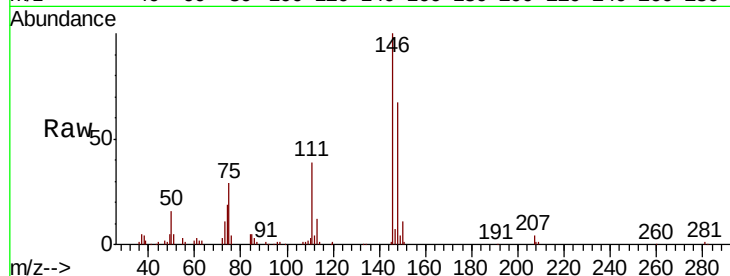
Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	80027
Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.6	64.8
148	64.5	31.6	95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.332 ug/l

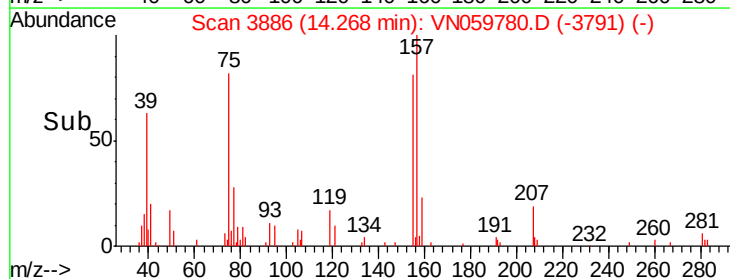
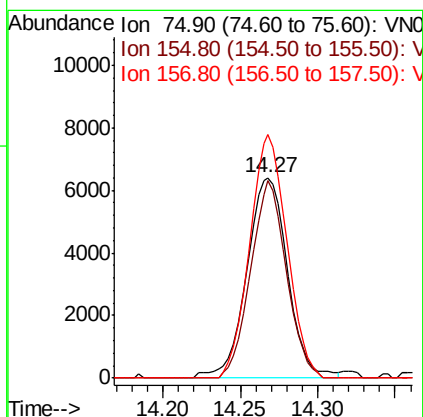
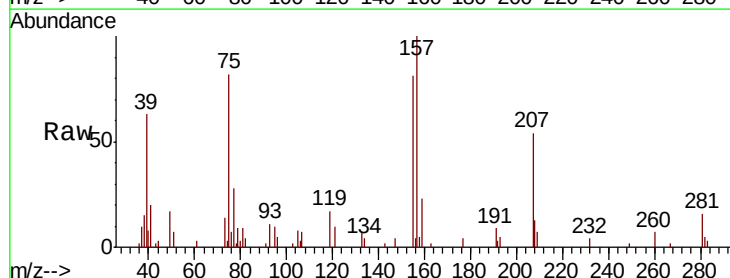
RT: 14.27 min Scan# 3886

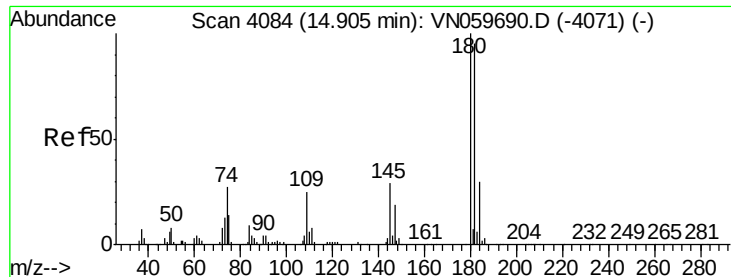
Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Tgt Ion:	75	Resp:	11738
Ion	Ratio	Lower	Upper
75	100		
155	86.2	37.0	110.9
157	111.0	48.4	145.2

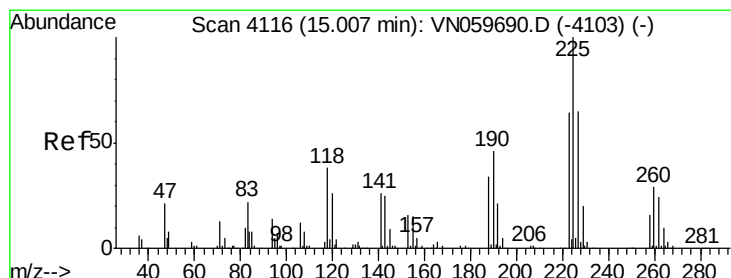
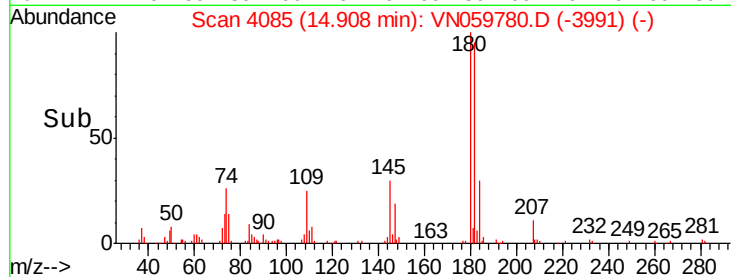
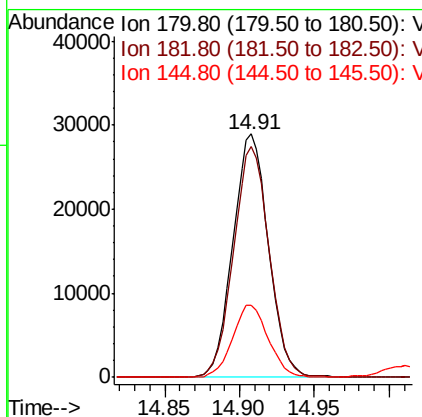
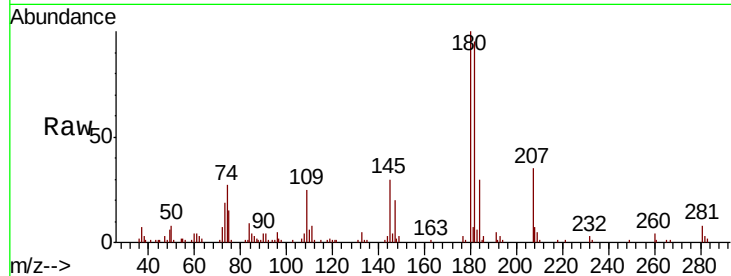




#93
 1,2,4-Trichlorobenzene
 Concen: 19.983 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

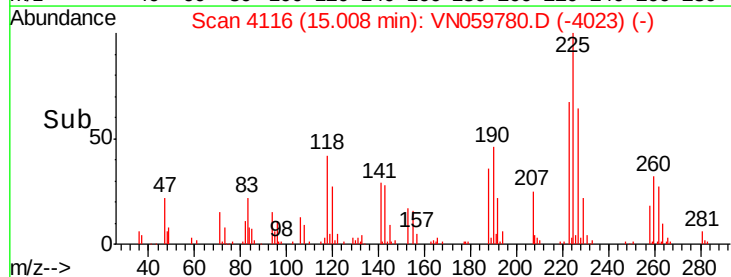
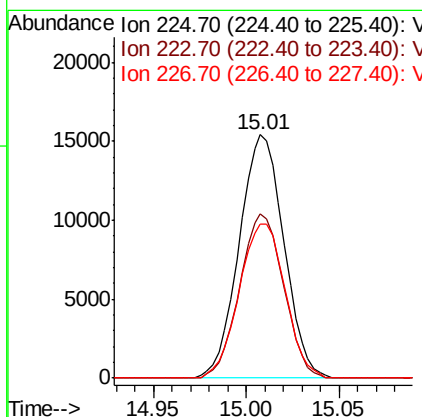
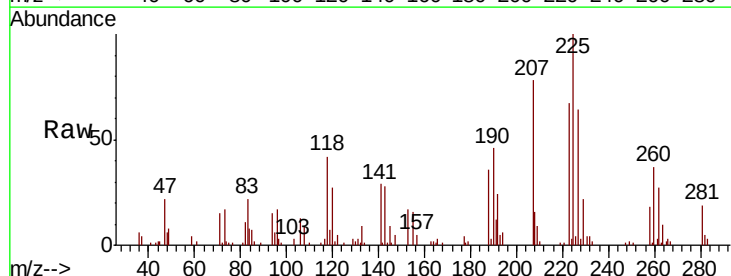
Instrument :
 MSVOA_N
 ClientSampleId :

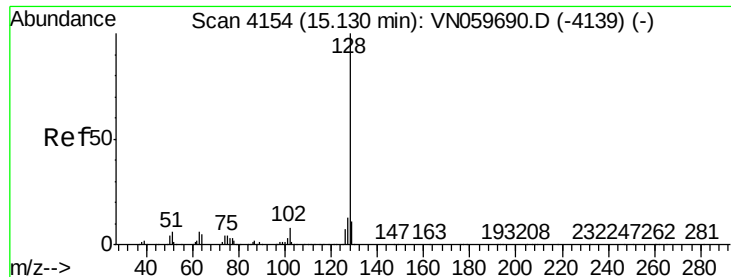
Tot Ion:180 Resp: 47788
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.7
 145 29.8 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 19.587 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059780.D
 Acq: 20 Jan 2020 12:20

Tgt Ion:225 Resp: 25813
 Ion Ratio Lower Upper
 225 100
 223 66.1 31.8 95.3
 227 65.2 32.1 96.5





#95

Naphthalene

Concen: 18.824 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_N

ClientSampleId :

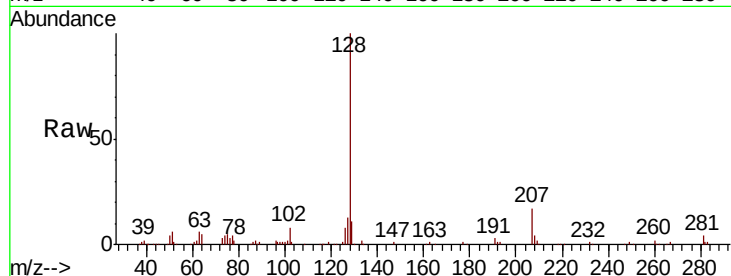
Tot Ion:128 Resp: 128044

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

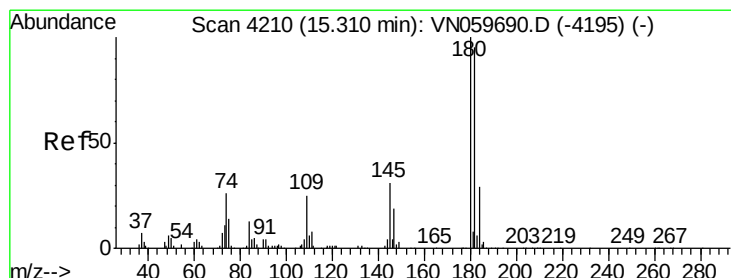
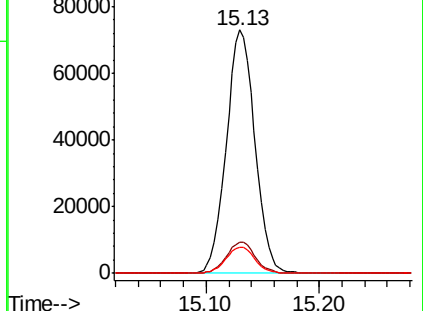
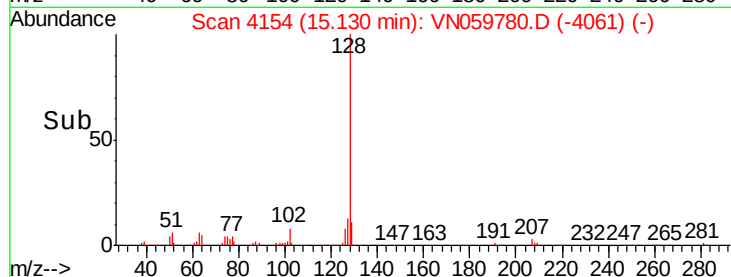
129 11.0 8.6 12.8



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: 19.660 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059780.D

Acq: 20 Jan 2020 12:20

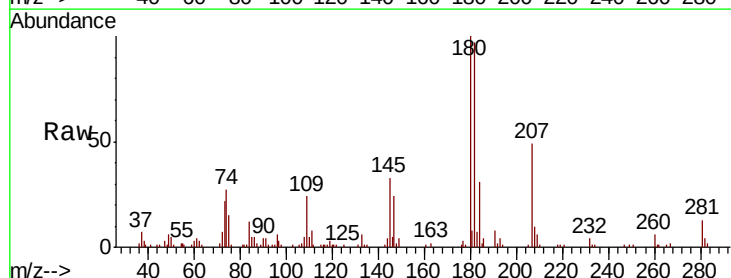
Tgt Ion:180 Resp: 45763

Ion Ratio Lower Upper

180 100

182 96.3 47.4 142.3

145 32.7 16.3 48.9



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

