

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059983.D
 Acq On : 3 Feb 2020 18:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 04:02:00 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	192963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	302885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142472	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	115524	53.91	ug/l	0.00
Spiked Amount						
			Recovery	=	107.82%	
35) Dibromofluoromethane	7.57	113	94740	52.45	ug/l	0.00
Spiked Amount						
			Recovery	=	104.90%	
50) Toluene-d8	10.08	98	352181	50.32	ug/l	0.00
Spiked Amount						
			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	135369	53.66	ug/l	0.00
Spiked Amount						
			Recovery	=	107.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96011	42.120	ug/l	99
3) Chloromethane	2.04	50	96260	43.573	ug/l	98
4) Vinyl Chloride	2.17	62	127458	50.425	ug/l	98
5) Bromomethane	2.53	94	71113	46.100	ug/l	97
6) Chloroethane	2.68	64	60550	50.633	ug/l	97
7) Trichlorofluoromethane	3.00	101	149043	49.098	ug/l	99
8) Diethyl Ether	3.39	74	55816	52.394	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86949	51.464	ug/l	95
10) Methyl Iodide	3.93	142	126006	46.141	ug/l	96
11) Tert butyl alcohol	4.73	59	92528	256.490	ug/l	99
12) 1,1-Dichloroethene	3.72	96	83100	47.071	ug/l	90
13) Acrolein	3.58	56	66320	259.707	ug/l	100
14) Allyl chloride	4.30	41	122041	51.287	ug/l #	85
15) Acrylonitrile	4.94	53	236934	287.929	ug/l	99
16) Acetone	3.78	43	240230	331.967	ug/l	99
17) Carbon Disulfide	4.03	76	201405	40.048	ug/l	99
18) Methyl Acetate	4.29	43	145682	58.202	ug/l	92
19) Methyl tert-butyl Ether	5.01	73	315484	54.810	ug/l	96
20) Methylene Chloride	4.52	84	100188	51.721	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	91362	48.685	ug/l	88
22) Diisopropyl ether	5.92	45	294125	54.543	ug/l #	95
23) Vinyl Acetate	5.86	43	1158948	277.584	ug/l	96
24) 1,1-Dichloroethane	5.82	63	173518	52.662	ug/l	99
25) 2-Butanone	6.80	43	336655	277.422	ug/l	93
26) 2,2-Dichloropropane	6.80	77	159933	50.489	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	112606	52.170	ug/l	89
28) Bromochloromethane	7.17	49	66533	50.521	ug/l #	78
29) Tetrahydrofuran	7.18	42	208039	277.081	ug/l	89
30) Chloroform	7.35	83	185290	54.274	ug/l	97
31) Cyclohexane	7.63	56	138927	43.818	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	166689	52.807	ug/l	96
36) 1,1-Dichloropropene	7.77	75	130444	49.455	ug/l	96
37) Ethyl Acetate	6.90	43	132922	53.730	ug/l	96
38) Carbon Tetrachloride	7.75	117	145561	50.732	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	146766	45.127	ug/l	94
40) Benzene	8.02	78	393321	50.000	ug/l	99
41) Methacrylonitrile	7.18	41	192378	157.878	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	146351	54.872	ug/l	98
43) Isopropyl Acetate	8.14	43	231024	54.293	ug/l	96
44) Trichloroethene	8.82	130	110299	51.363	ug/l	93
45) 1,2-Dichloropropane	9.10	63	103635	53.241	ug/l	100
46) Dibromomethane	9.19	93	73779	53.732	ug/l	93
47) Bromodichloromethane	9.39	83	150728	54.473	ug/l	98
48) Methyl methacrylate	9.18	41	100599	52.854	ug/l	90
49) 1,4-Dioxane	9.18	88	33138	951.067	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	693515	281.942	ug/l	96
52) Toluene	10.14	92	254932	51.307	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	169577	54.886	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	176190	54.198	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	107053	54.399	ug/l	98
56) Ethyl methacrylate	10.42	69	161369	53.665	ug/l	94
57) 1,3-Dichloropropane	10.70	76	174317	55.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	267539	295.390	ug/l	92
59) 2-Hexanone	10.74	43	527966	291.352	ug/l	95
60) Dibromochloromethane	10.90	129	124405	55.513	ug/l	100
61) 1,2-Dibromoethane	11.00	107	112319	54.455	ug/l	100
64) Tetrachloroethene	10.62	164	105038	45.799	ug/l	95
65) Chlorobenzene	11.43	112	287306	51.944	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	112472	52.626	ug/l	100
67) Ethyl Benzene	11.51	91	506411	50.436	ug/l	97
68) m/p-Xylenes	11.62	106	383116	101.012	ug/l	95
69) o-Xylene	11.94	106	186340	50.184	ug/l	95
70) Styrene	11.96	104	318427	51.249	ug/l	97
71) Bromoform	12.12	173	95614	55.852	ug/l #	98
73) Isopropylbenzene	12.25	105	503976	48.233	ug/l	99
74) N-amyl acetate	12.07	43	207311	51.132	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	160196	52.886	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	213455	89.026	ug/l #	100
77) Bromobenzene	12.52	156	131951	49.867	ug/l	85
78) n-propylbenzene	12.59	91	569858	48.591	ug/l	98
79) 2-Chlorotoluene	12.67	91	339046	48.596	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	419630	47.753	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58738	52.610	ug/l	95
82) 4-Chlorotoluene	12.77	91	352480	50.370	ug/l	97
83) tert-Butylbenzene	12.99	119	371042	48.821	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	426033	49.006	ug/l	99
85) sec-Butylbenzene	13.17	105	483923	48.464	ug/l	99
86) p-Isopropyltoluene	13.29	119	447653	48.451	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	231803	50.432	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	232484	50.702	ug/l	98
89) n-Butylbenzene	13.61	91	391376	49.681	ug/l	99
90) Hexachloroethane	13.87	117	83432	48.263	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	227818	50.136	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35302	54.485	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141322	51.759	ug/l	98
94) Hexachlorobutadiene	15.01	225	71513	47.529	ug/l	98
95) Naphthalene	15.13	128	405054	52.156	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137435	51.713	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

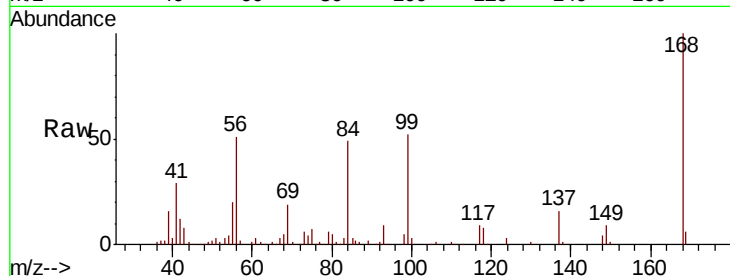
ClientSampled :

Tot Ion:168 Resp: 192963

Ion Ratio Lower Upper

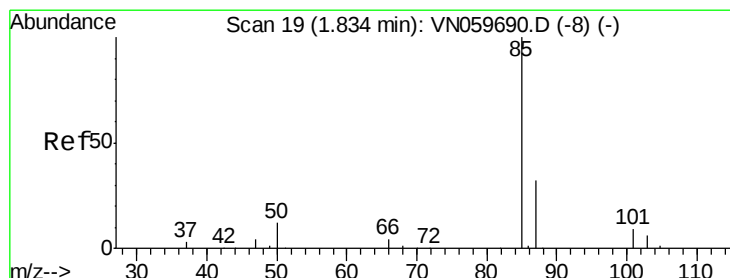
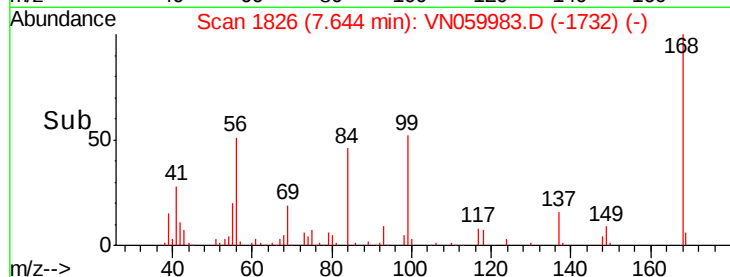
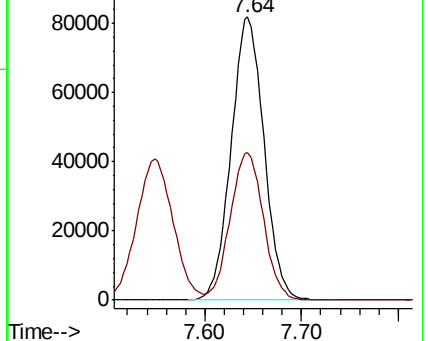
168 100

99 52.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.120 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059983.D

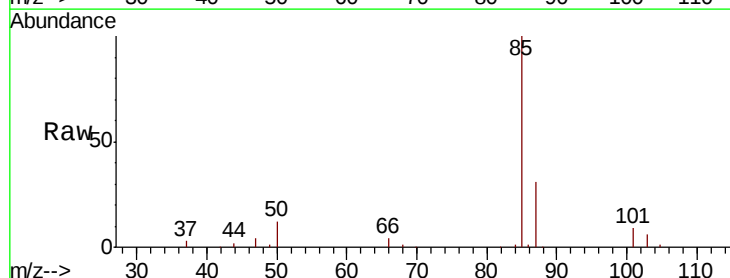
Acq: 3 Feb 2020 18:27

Tgt Ion: 85 Resp: 96011

Ion Ratio Lower Upper

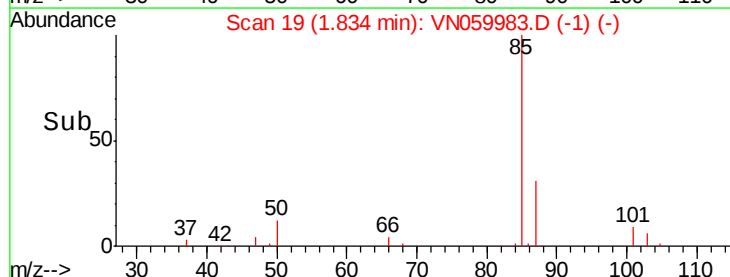
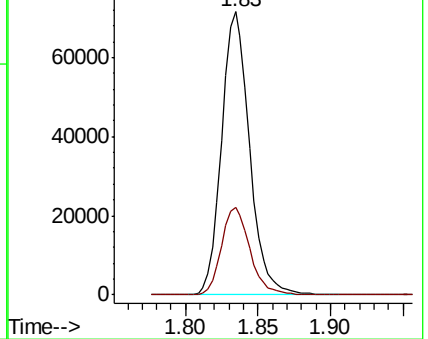
85 100

87 31.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.573 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

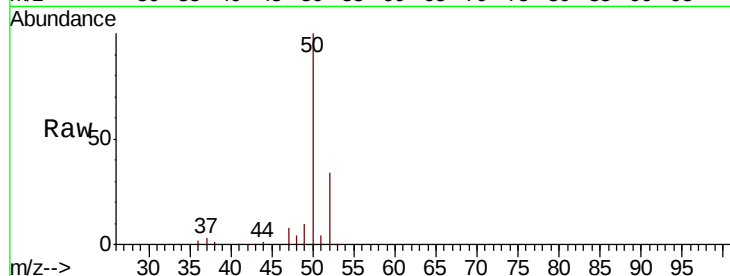
ClientSampleId :

Tot Ion: 50 Resp: 96260

Ion Ratio Lower Upper

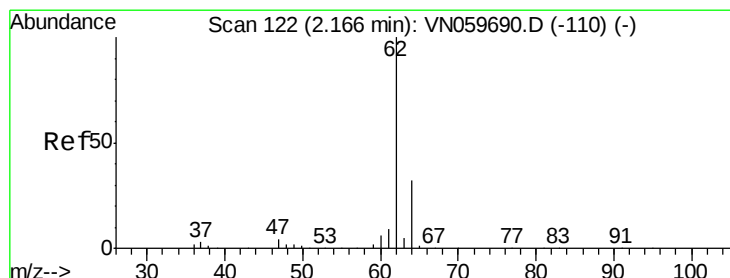
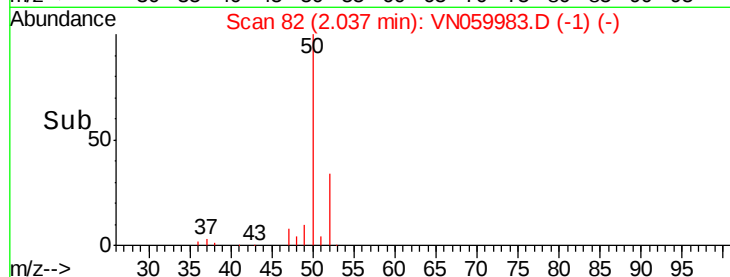
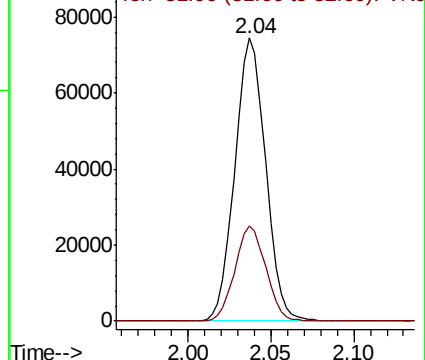
50 100

52 33.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.425 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059983.D

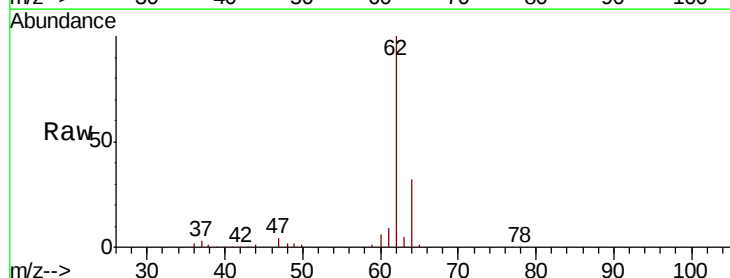
Acq: 3 Feb 2020 18:27

Tgt Ion: 62 Resp: 127458

Ion Ratio Lower Upper

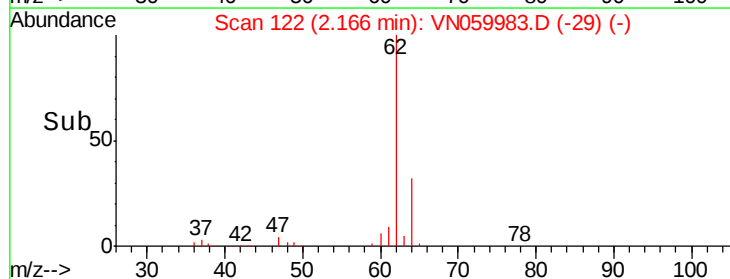
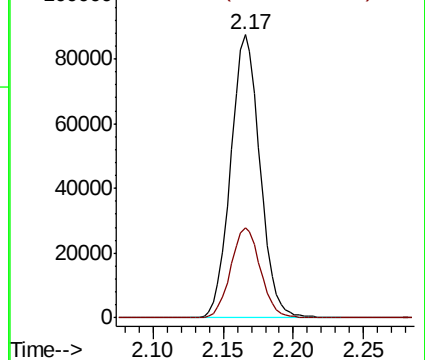
62 100

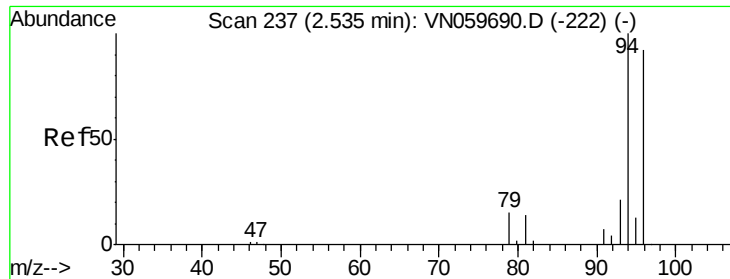
64 32.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

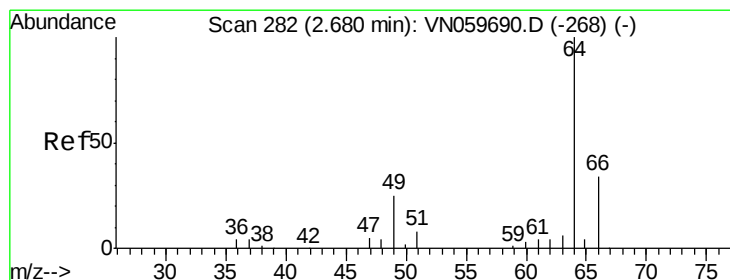
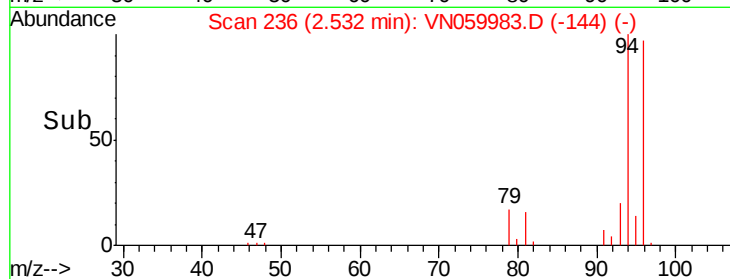
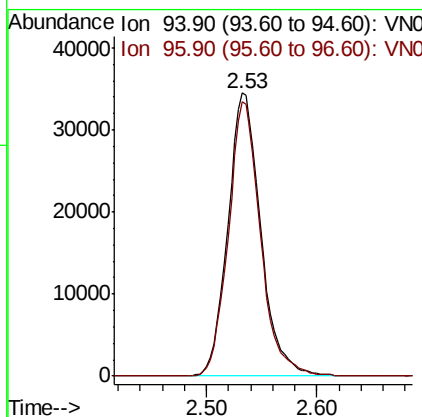
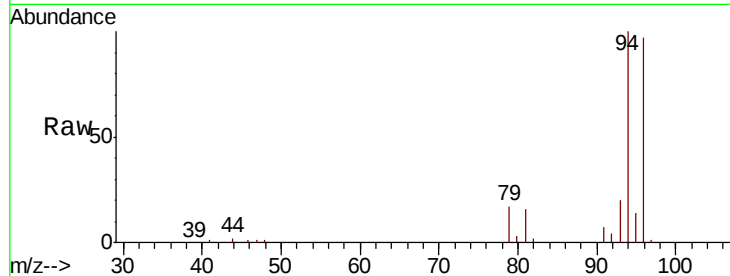




#5
Bromomethane
Concen: 46.100 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

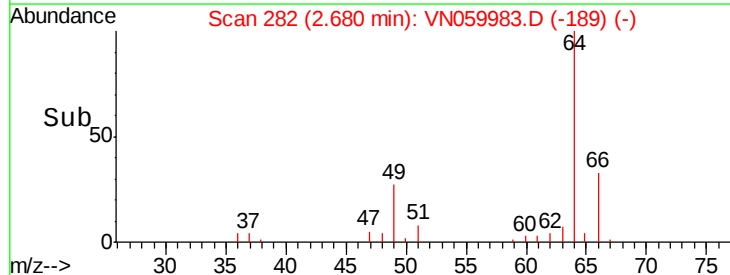
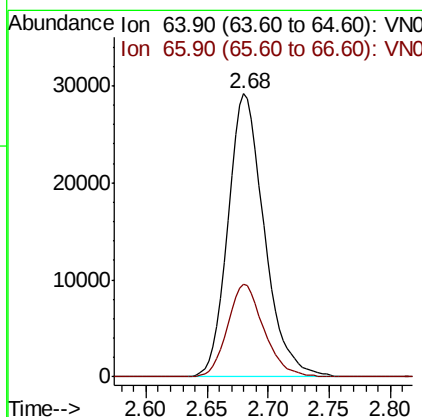
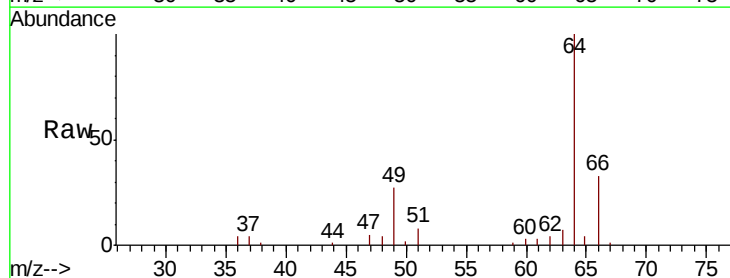
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 71113
Ion Ratio Lower Upper
94 100
96 96.7 74.7 112.1



#6
Chloroethane
Concen: 50.633 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 64 Resp: 60550
Ion Ratio Lower Upper
64 100
66 33.0 25.1 37.7



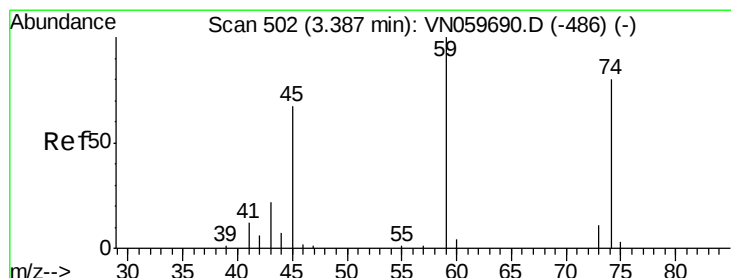
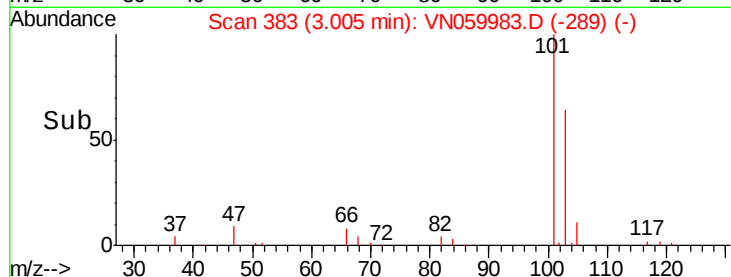
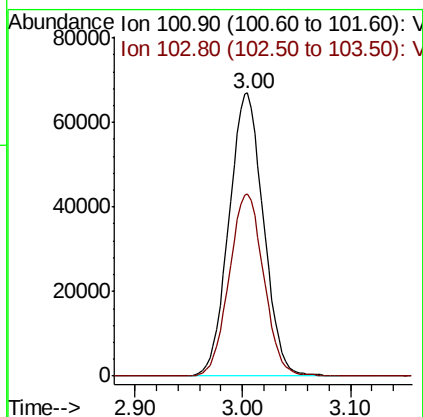
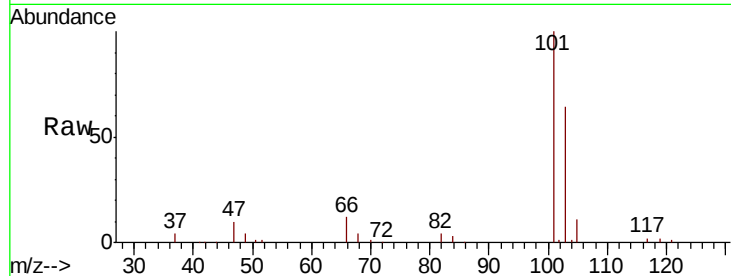


#7

Trichlorofluoromethane
Concen: 49.098 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Instrument :
MSVOA_N
ClientSampled :

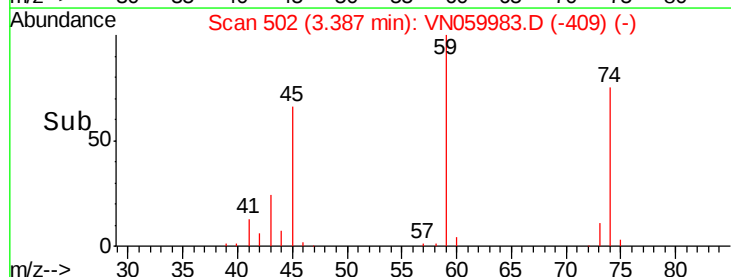
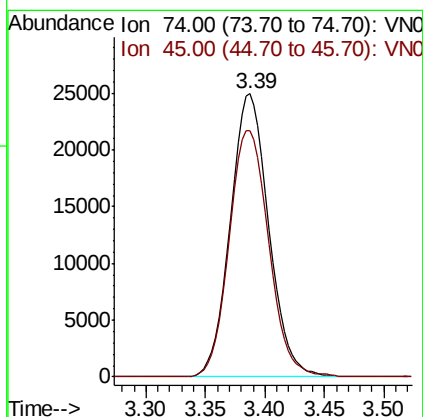
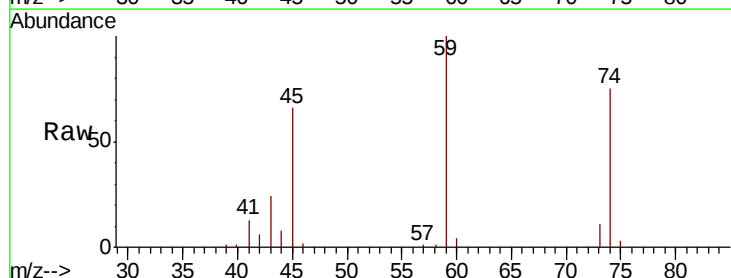
Tot Ion:101 Resp: 149043
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.6



#8

Diethyl Ether
Concen: 52.394 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 74 Resp: 55816
Ion Ratio Lower Upper
74 100
45 89.7 51.9 155.8

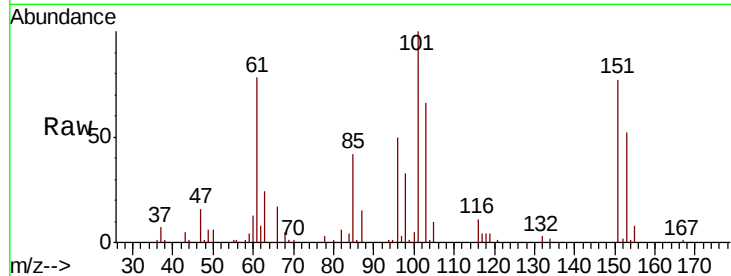




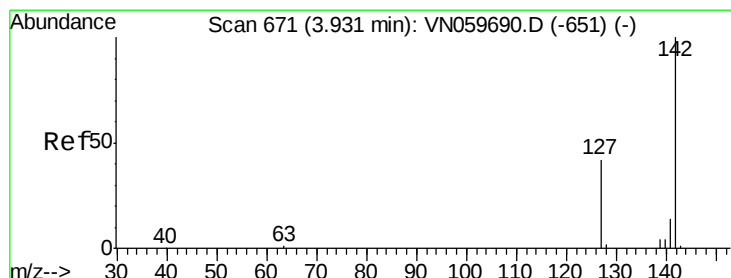
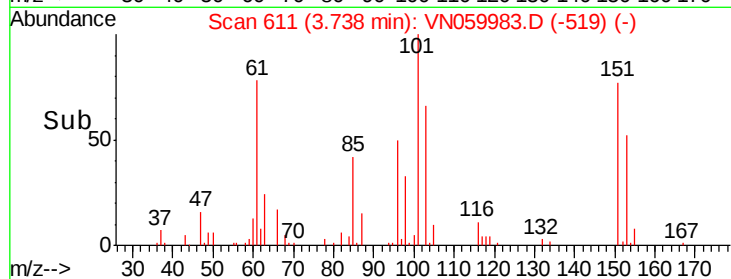
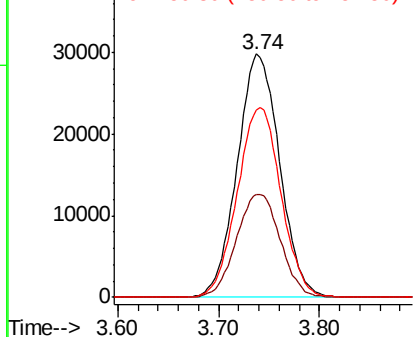
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.464 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 86949
 Ion Ratio Lower Upper
 101 100
 85 43.7 36.6 54.8
 151 80.2 59.7 89.5

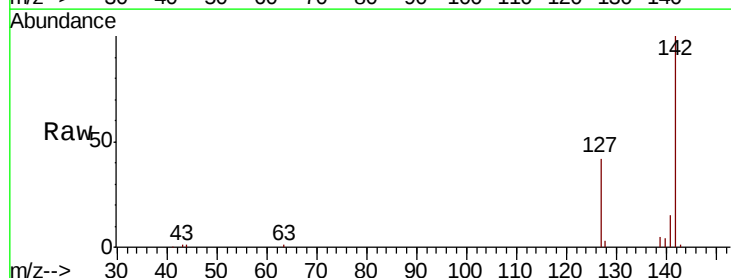


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

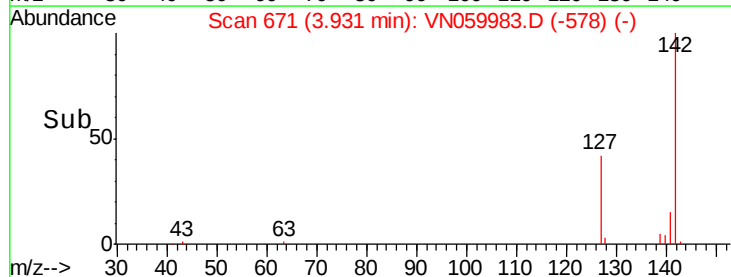
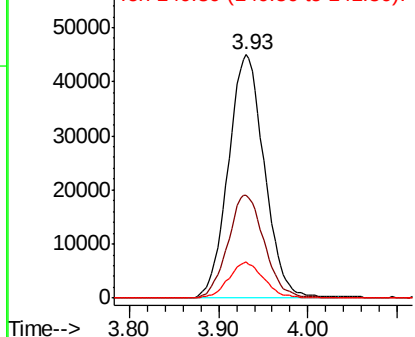


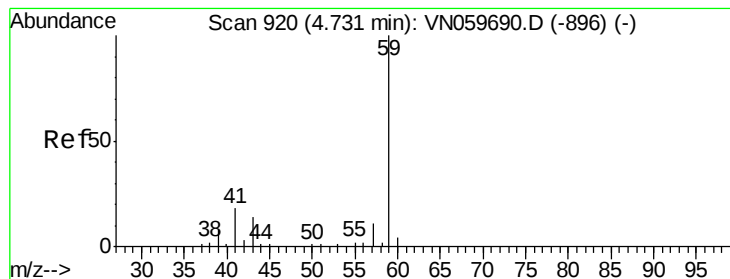
#10
 Methyl Iodide
 Concen: 46.141 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Tgt Ion:142 Resp: 126006
 Ion Ratio Lower Upper
 142 100
 127 42.6 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



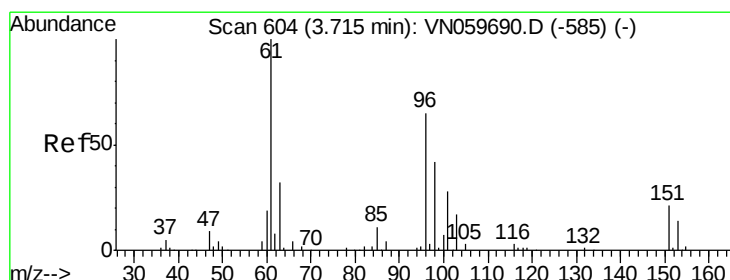
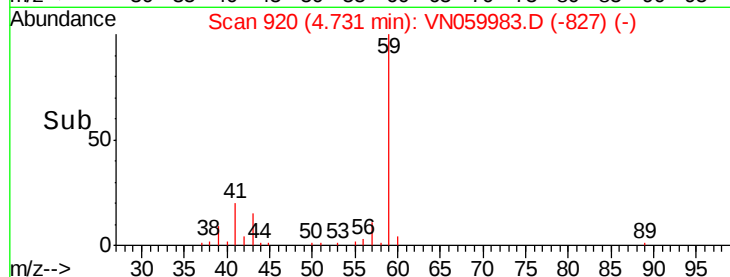
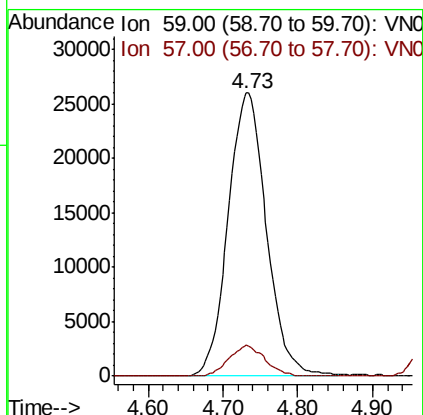
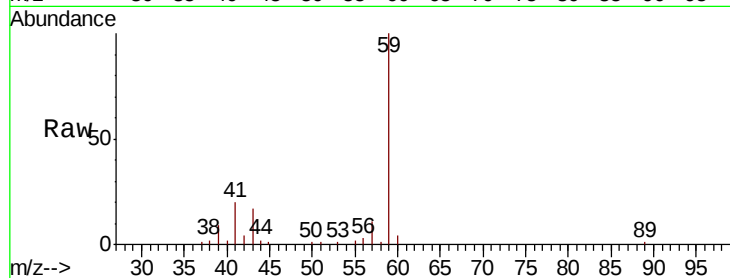


#11

Tert butyl alcohol
 Concen: 256.490 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Instrument :
 MSVOA_N
 ClientSampled :

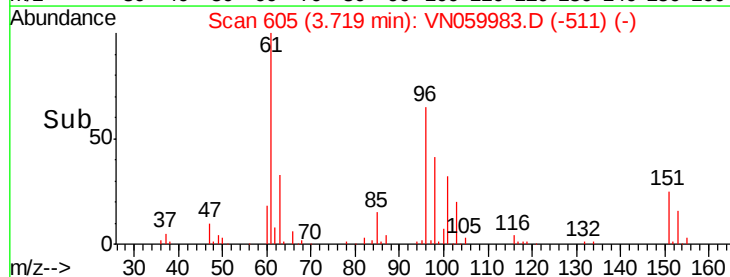
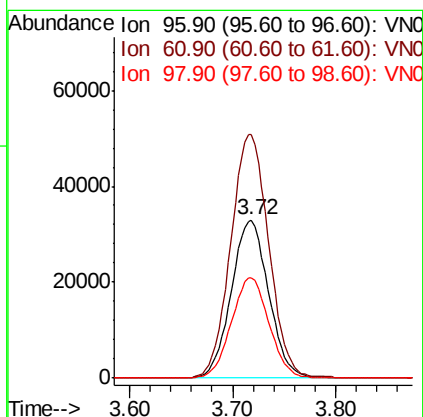
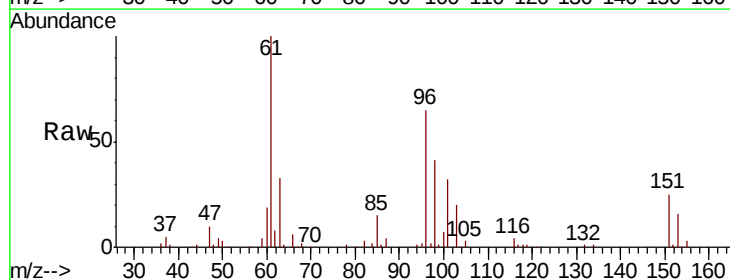
Tot Ion: 59 Resp: 92528
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.6 12.8

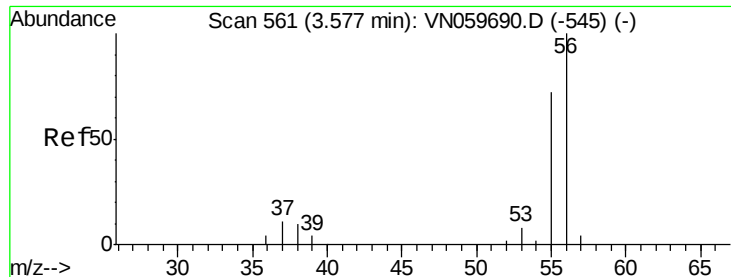


#12

1,1-Dichloroethene
 Concen: 47.071 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Tgt Ion: 96 Resp: 83100
 Ion Ratio Lower Upper
 96 100
 61 154.1 137.5 206.3
 98 63.8 50.2 75.4





#13

Acrolein

Concen: 259.707 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

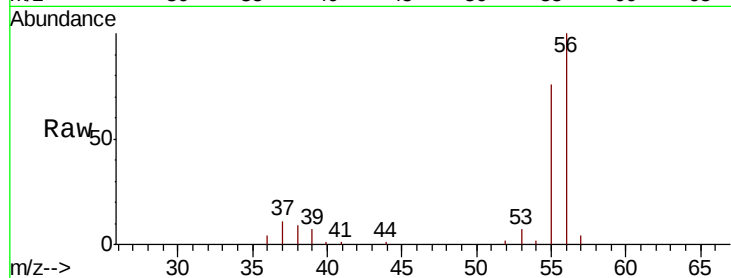
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 66320

Ion Ratio Lower Upper

56 100

55 73.6 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN059983.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN059983.D (-468) (-)

30000

25000

20000

15000

10000

5000

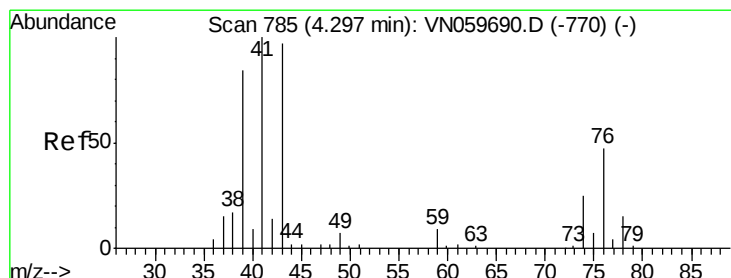
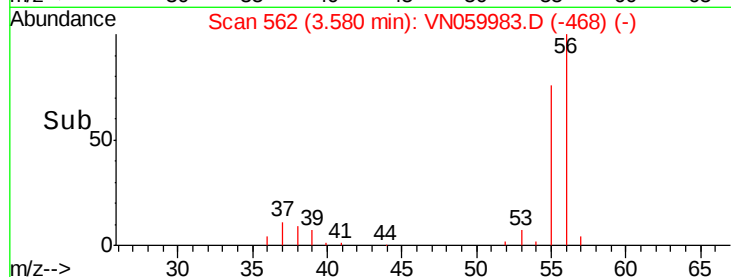
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 51.287 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

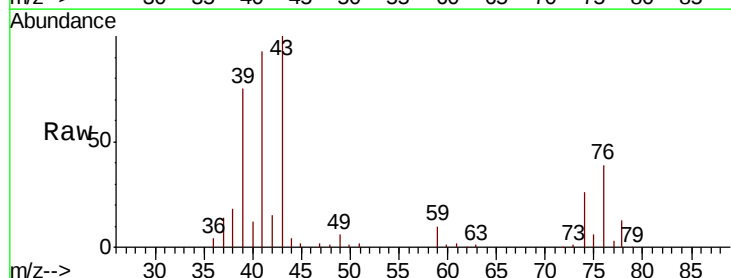
Tgt Ion: 41 Resp: 122041

Ion Ratio Lower Upper

41 100

39 84.0 57.8 86.8

76 41.6 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059983.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059983.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059983.D (-692) (-)

50000

40000

30000

20000

10000

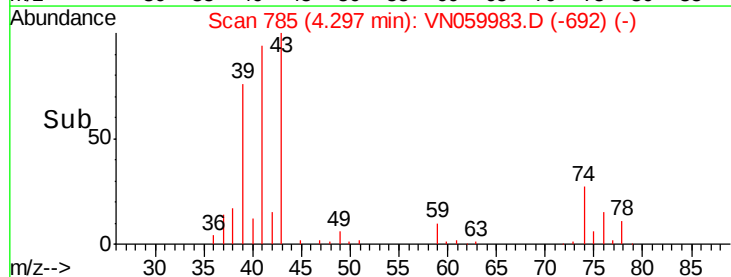
0

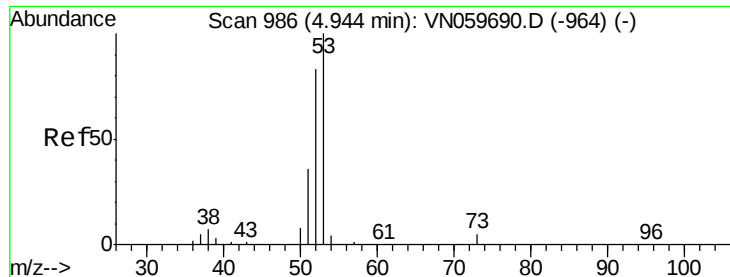
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 287.929 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

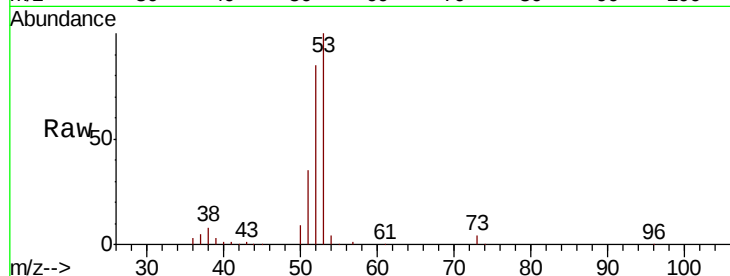
Tot Ion: 53 Resp: 236934

Ion Ratio Lower Upper

53 100

52 83.5 66.3 99.5

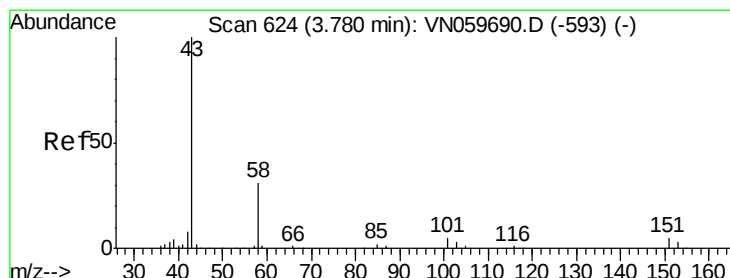
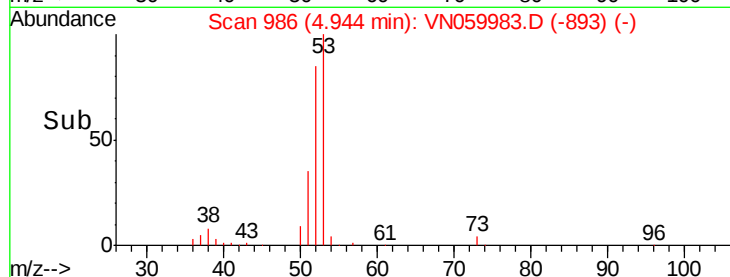
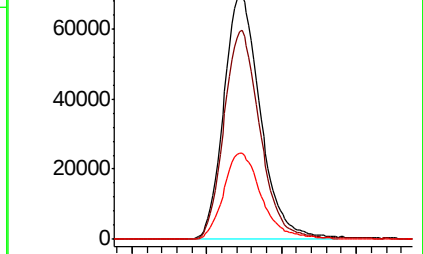
51 36.6 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059983.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN059983.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN059983.D (-893) (-)



#16

Acetone

Concen: 331.967 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059983.D

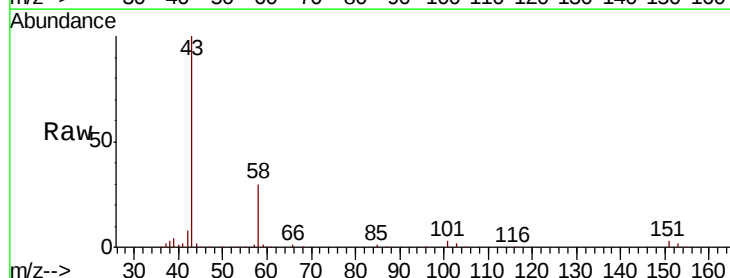
Acq: 3 Feb 2020 18:27

Tgt Ion: 43 Resp: 240230

Ion Ratio Lower Upper

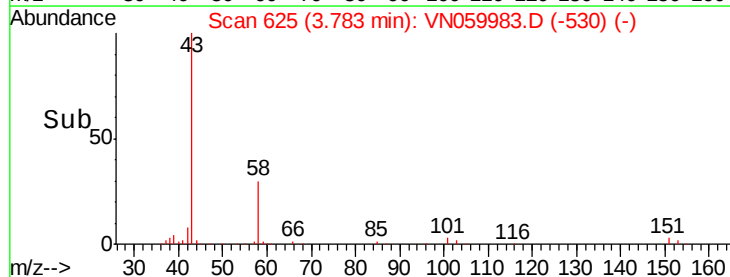
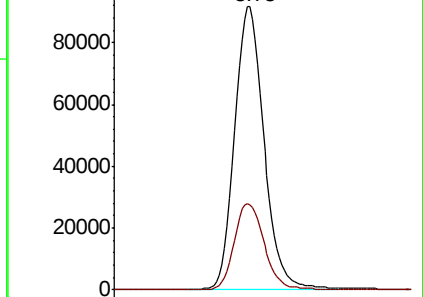
43 100

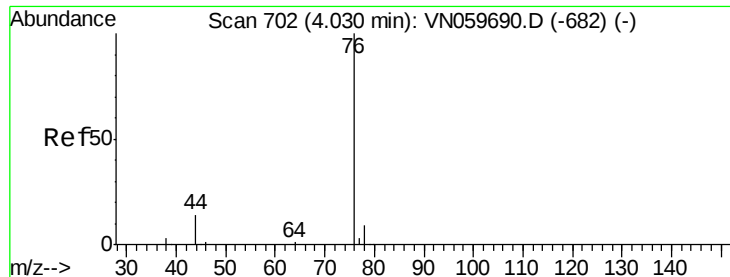
58 30.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059983.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059983.D (-530) (-)

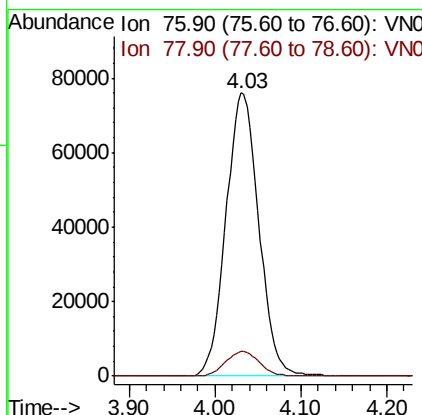
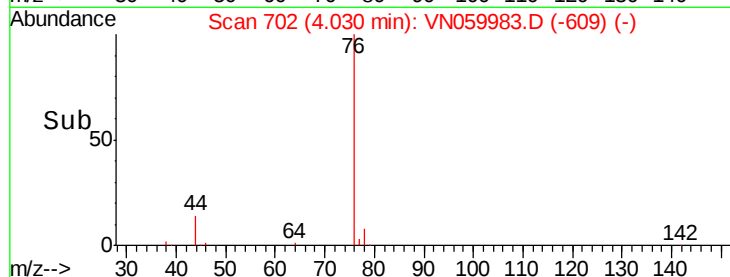
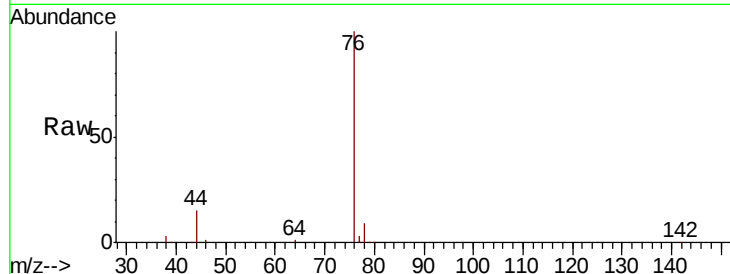




#17
Carbon Disulfide
Concen: 40.048 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

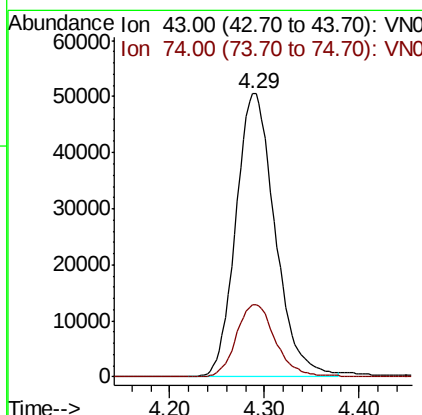
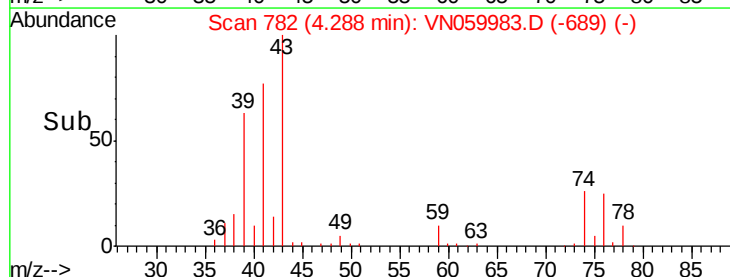
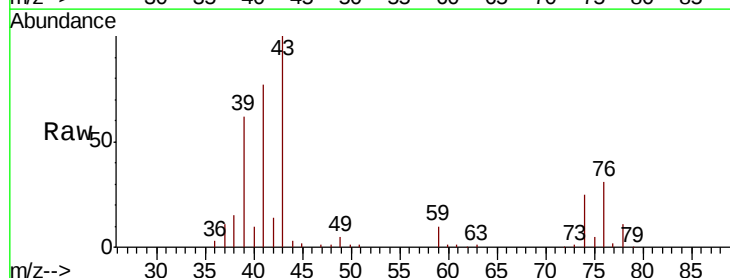
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 201405
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 58.202 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 43 Resp: 145682
Ion Ratio Lower Upper
43 100
74 25.5 17.5 26.3

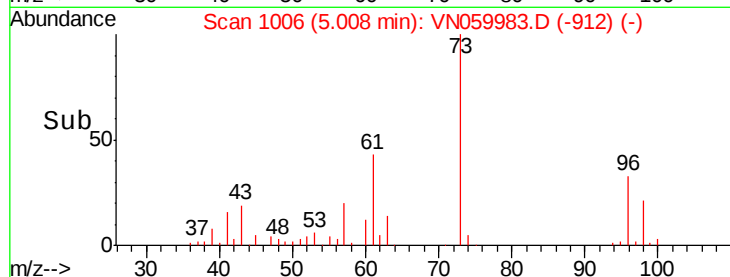
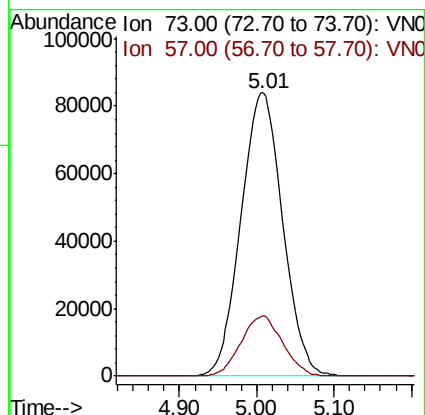
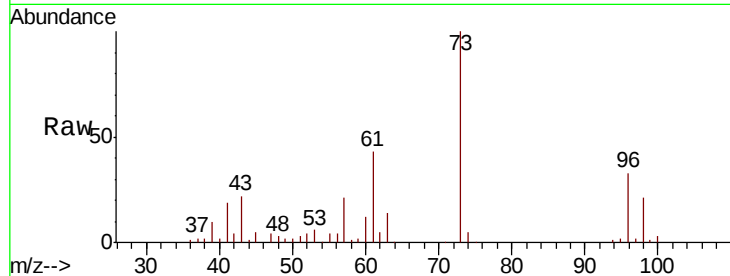




#19
Methvl tert-butvl Ether
Concen: 54.810 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

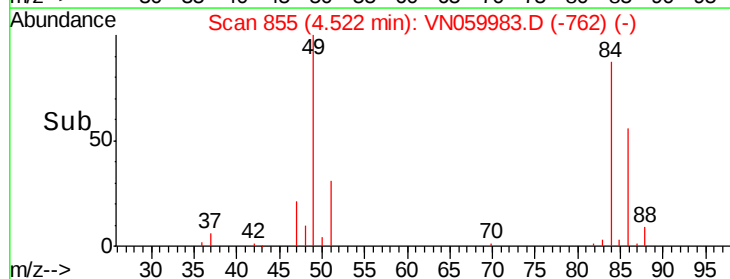
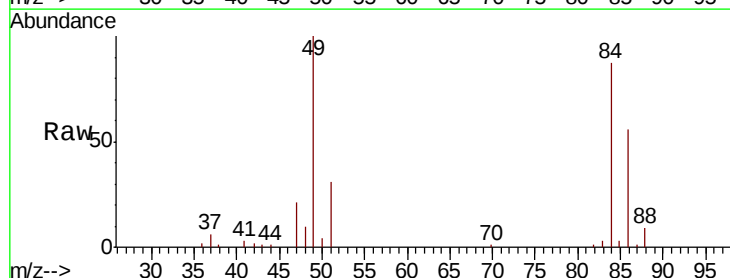
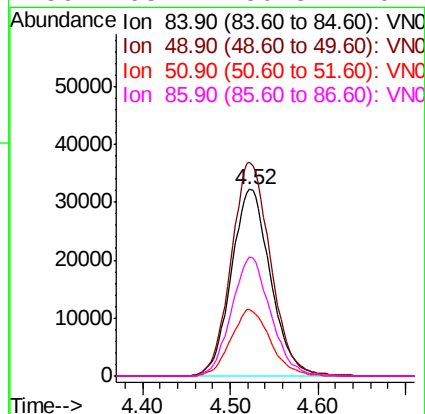
Instrument :
MSVOA_N
ClientSampled :

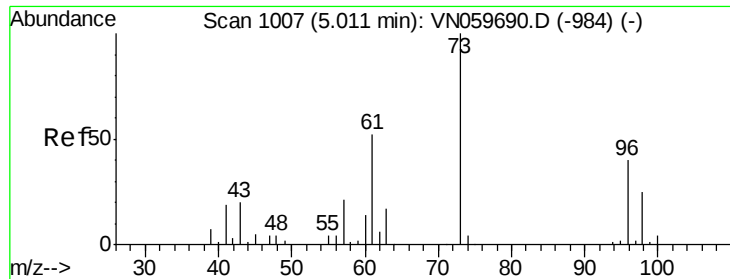
Tot Ion: 73 Resp: 315484
Ion Ratio Lower Upper
73 100
57 21.3 18.6 27.8



#20
Methylene Chloride
Concen: 51.721 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 84 Resp: 100188
Ion Ratio Lower Upper
84 100
49 114.4 106.6 160.0
51 35.5 31.9 47.9
86 63.7 50.8 76.2

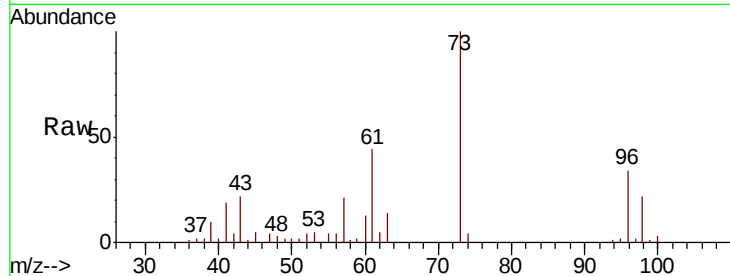




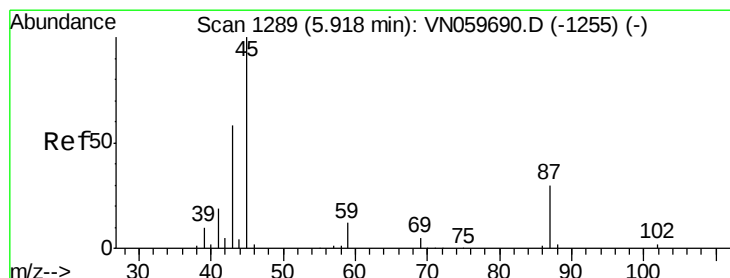
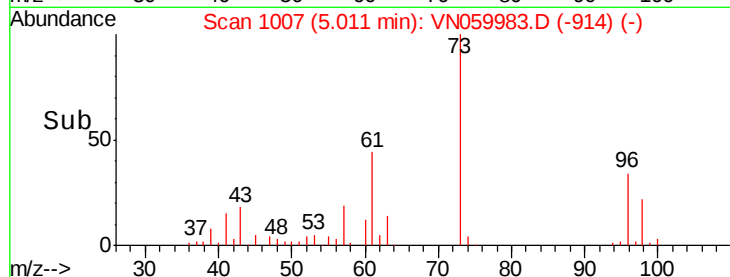
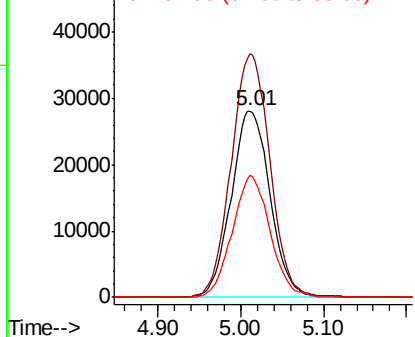
#21
trans-1,2-Dichloroethene
Concen: 48.685 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 91362
Ion Ratio Lower Upper
96 100
61 130.6 120.4 180.6
98 65.5 50.6 75.8

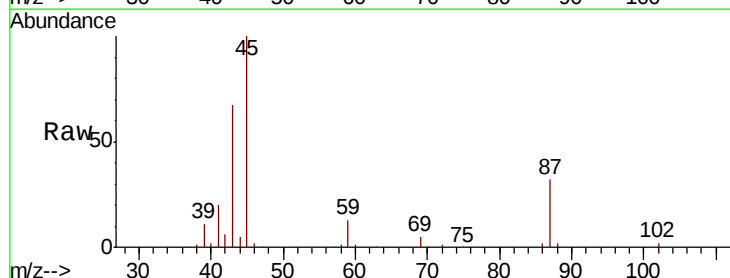


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

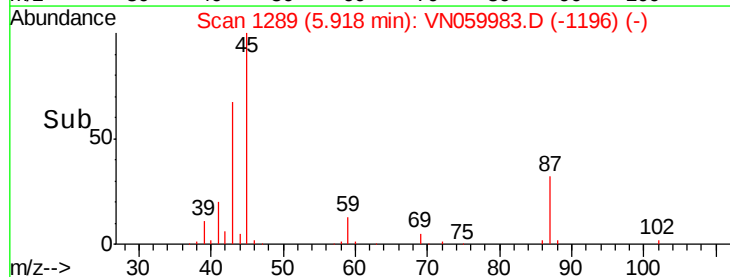
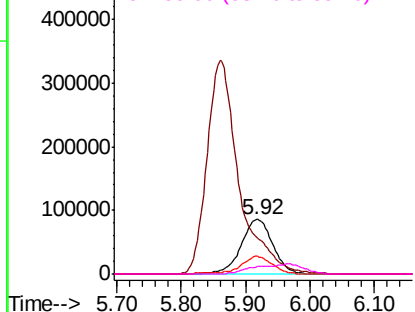


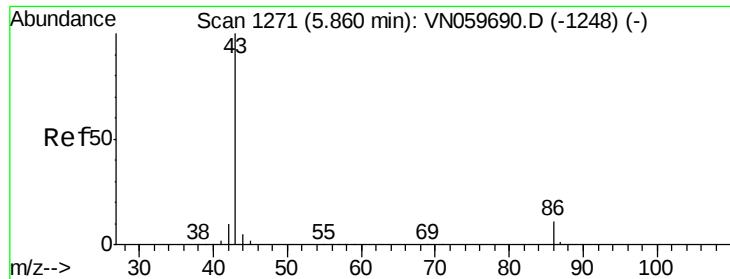
#22
Diisopropyl ether
Concen: 54.543 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 45 Resp: 294125
Ion Ratio Lower Upper
45 100
43 65.6 50.8 76.2
87 32.1 21.0 31.6#
59 12.9 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: 277.584 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

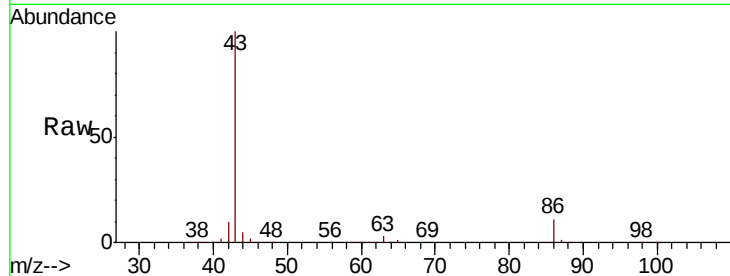
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1158948

Ion Ratio Lower Upper

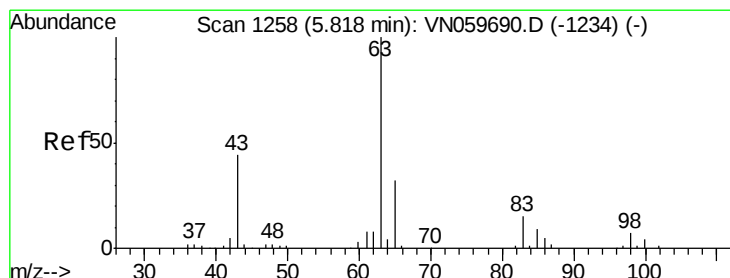
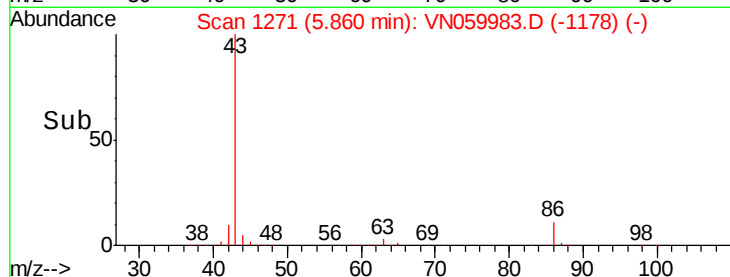
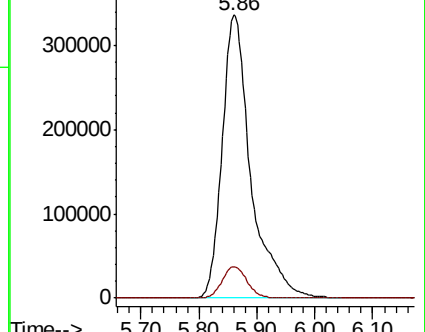
43 100

86 11.0 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059983.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059983.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 52.662 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

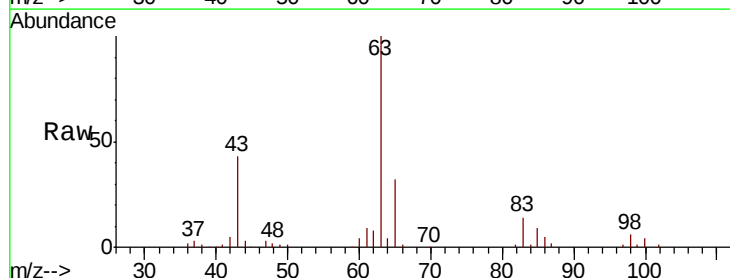
Tgt Ion: 63 Resp: 173518

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

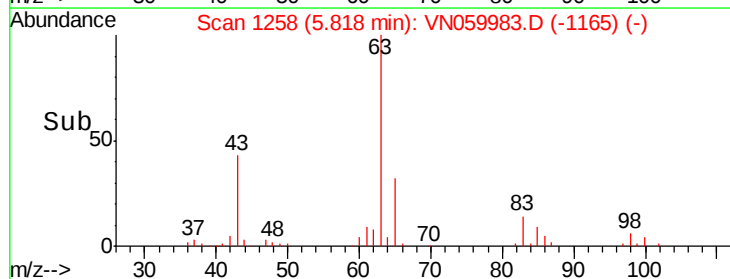
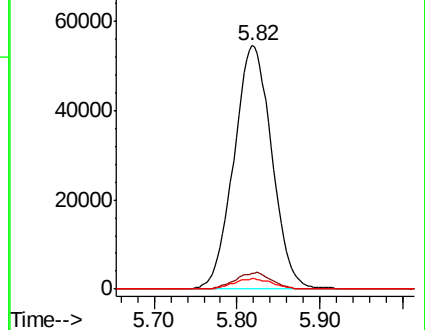
100 4.1 2.0 6.0

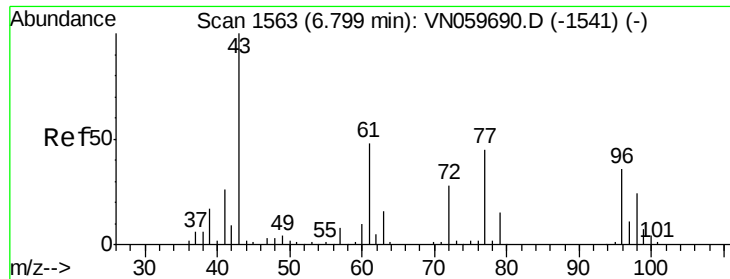


Abundance Ion 62.90 (62.60 to 63.60): VN059983.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059983.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059983.D (-1165) (-)





#25

2-Butanone

Concen: 277.422 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

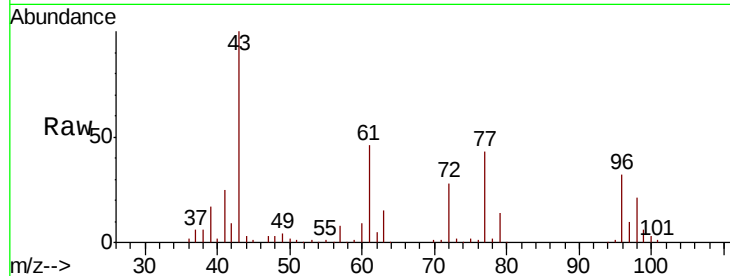
ClientSampled :

Tot Ion: 43 Resp: 336655

Ion Ratio Lower Upper

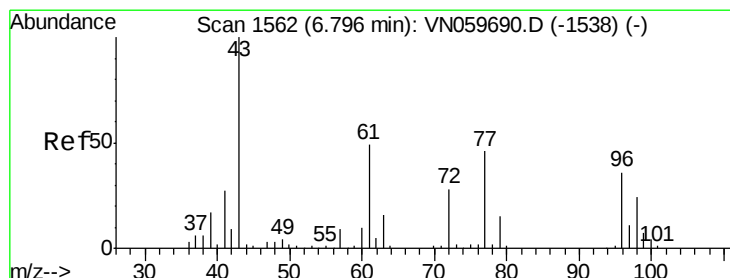
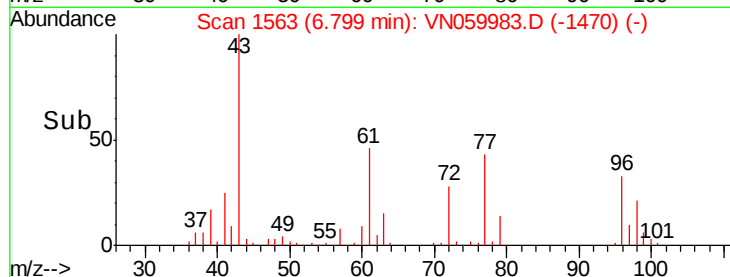
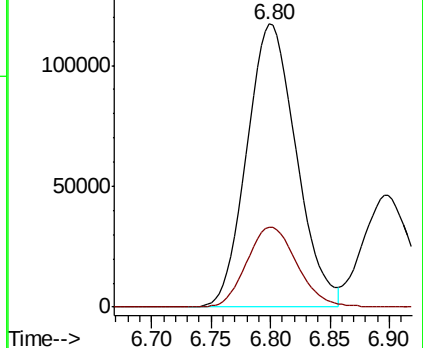
43 100

72 28.4 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.489 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059983.D

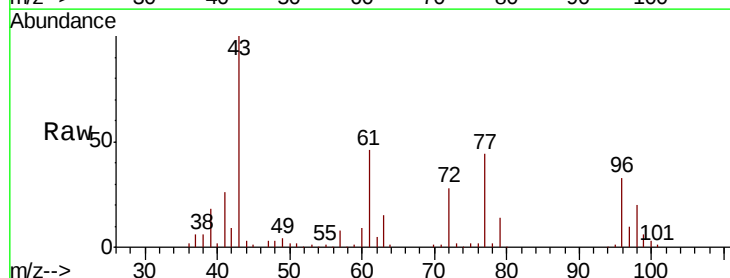
Acq: 3 Feb 2020 18:27

Tgt Ion: 77 Resp: 159933

Ion Ratio Lower Upper

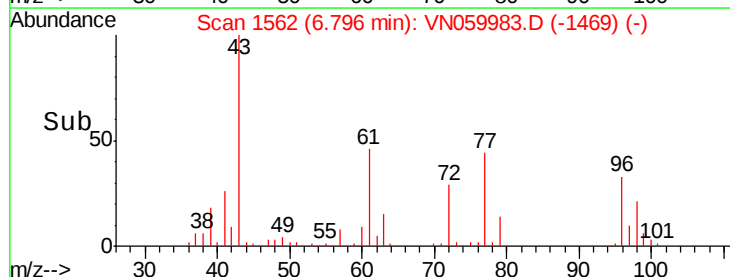
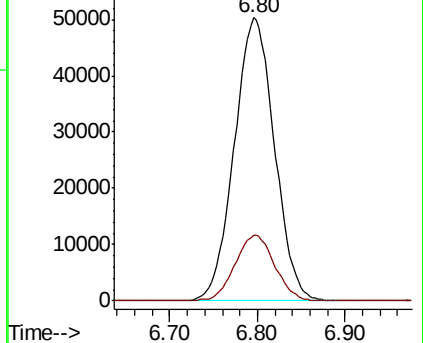
77 100

97 23.0 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 52.170 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

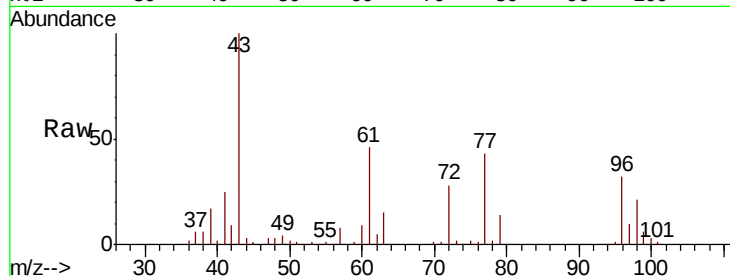
Tot Ion: 96 Resp: 112606

Ion Ratio Lower Upper

96 100

61 139.2 0.0 317.6

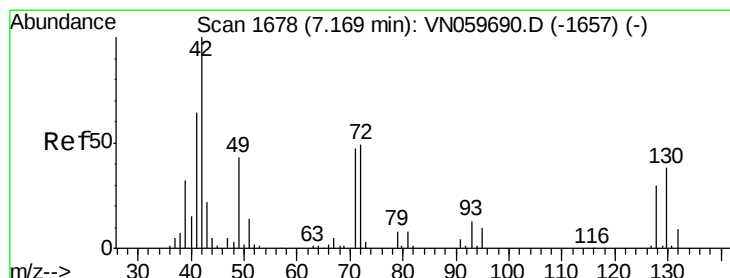
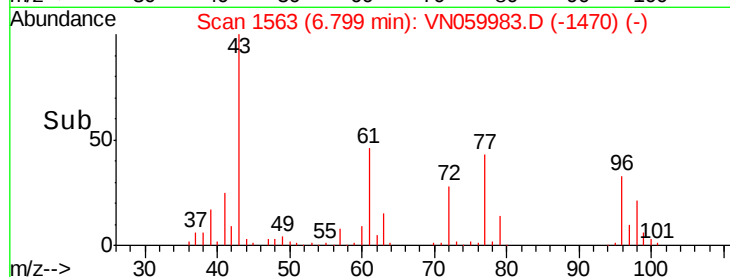
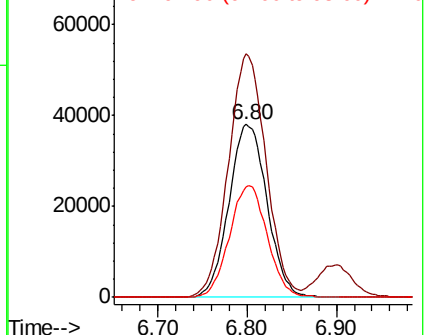
98 64.1 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059690.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059690.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059690.D (-1542) (-)



#28

Bromochloromethane

Concen: 50.521 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

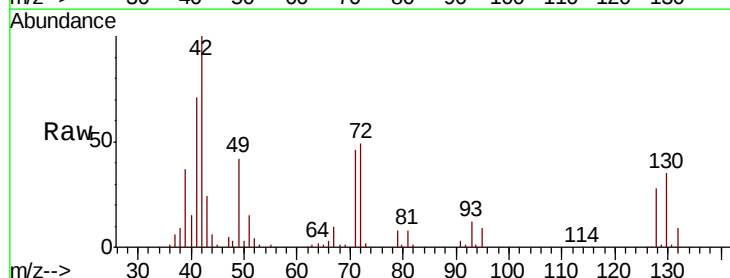
Tgt Ion: 49 Resp: 66533

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.4

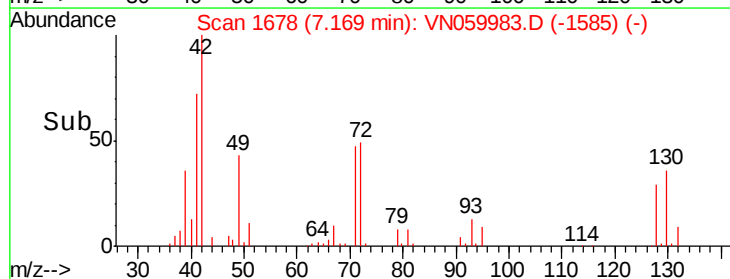
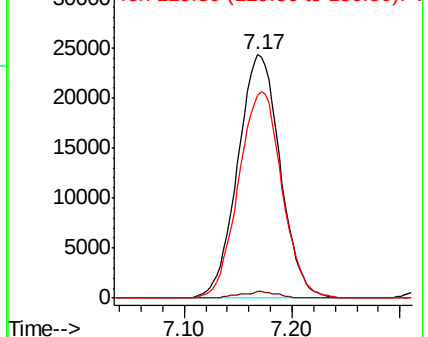
130 86.7 54.7 82.1#

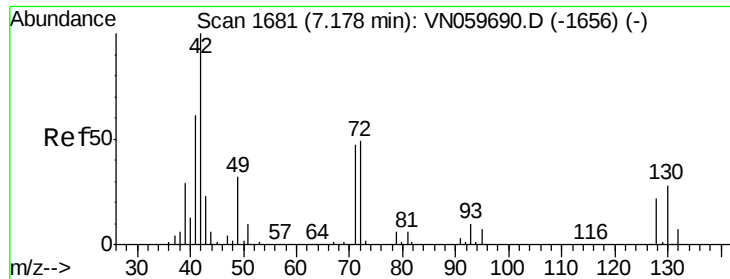


Abundance Ion 48.90 (48.60 to 49.60): VN059690.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059690.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059690.D (-1657) (-)

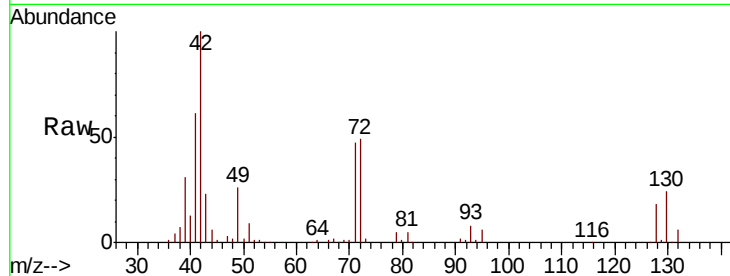




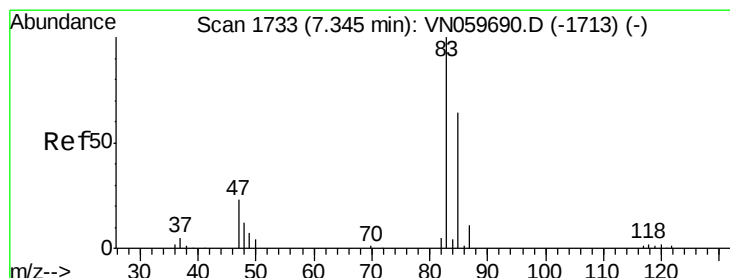
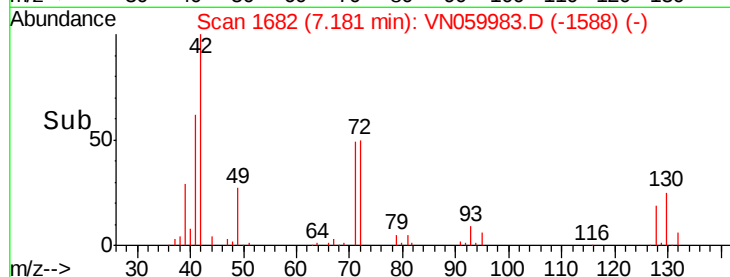
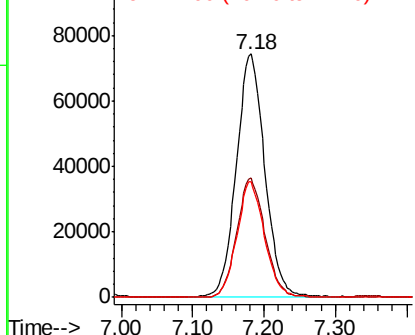
#29
Tetrahydrofuran
Concen: 277.081 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 208039
Ion Ratio Lower Upper
42 100
72 48.2 33.1 49.7
71 45.8 31.4 47.0

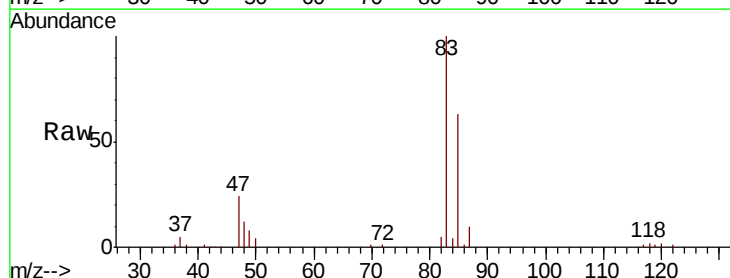


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

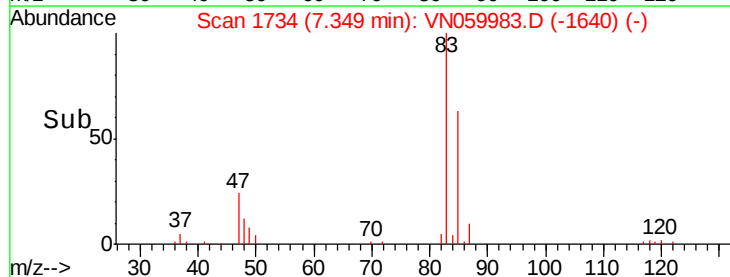
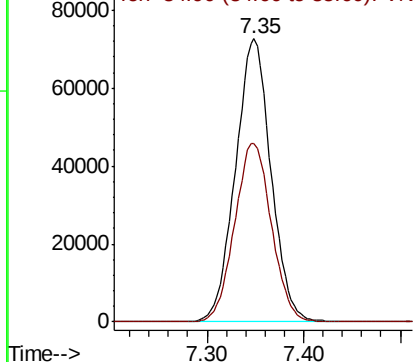


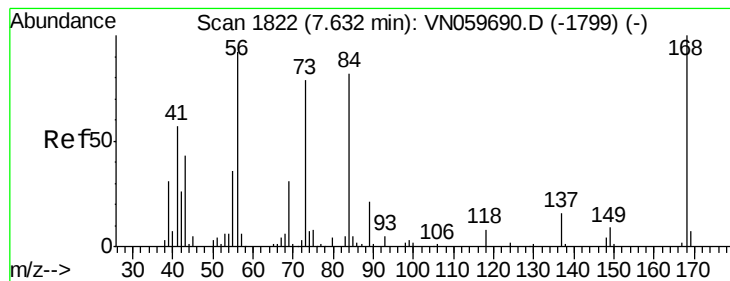
#30
Chloroform
Concen: 54.274 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 83 Resp: 185290
Ion Ratio Lower Upper
83 100
85 62.9 52.4 78.6



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





#31

Cyclohexane

Concen: 43.818 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampled :

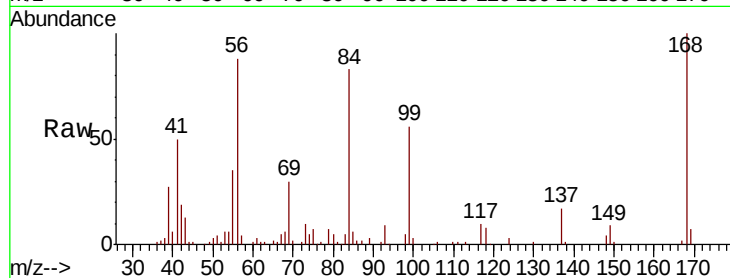
Tot Ion: 56 Resp: 138927

Ion Ratio Lower Upper

56 100

69 34.0 26.5 39.7

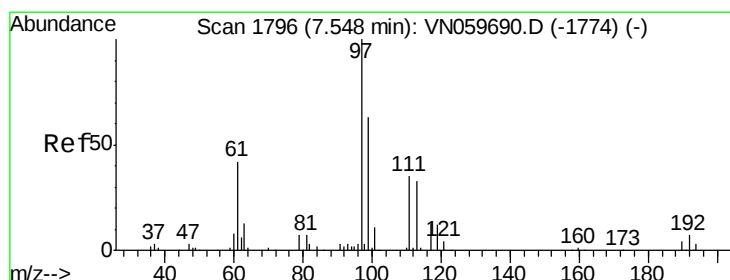
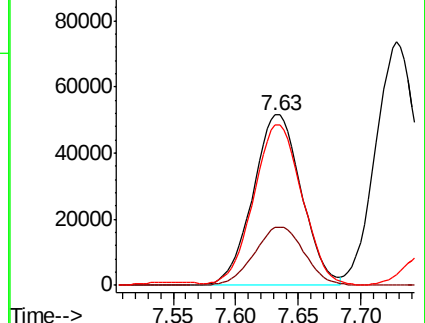
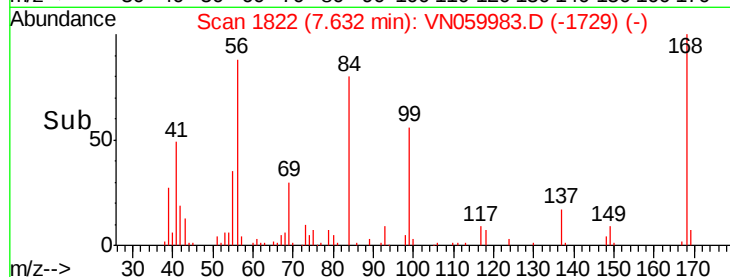
84 92.3 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN059983.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059983.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059983.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 52.807 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

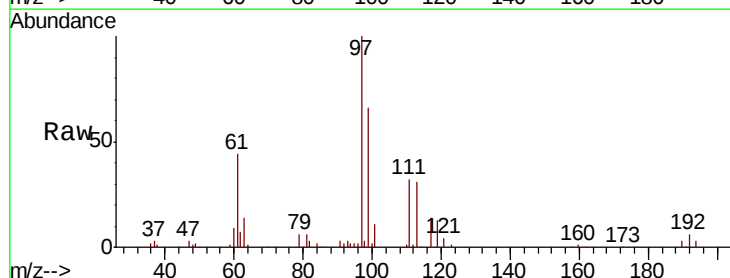
Tgt Ion: 97 Resp: 166689

Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

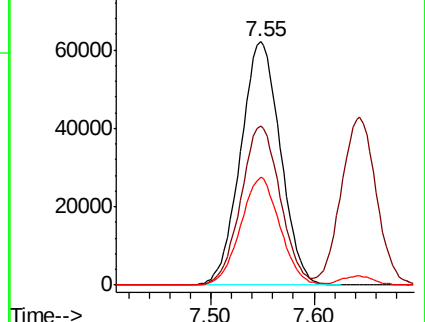
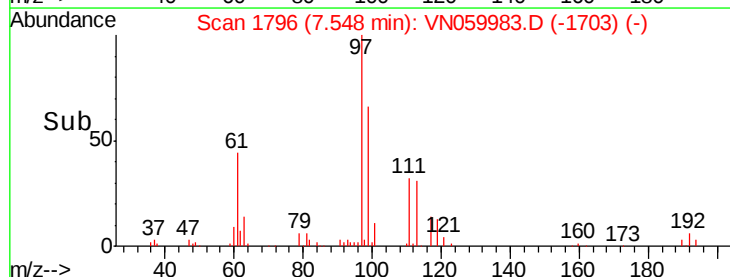
61 43.7 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN059983.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059983.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059983.D (-1703) (-)

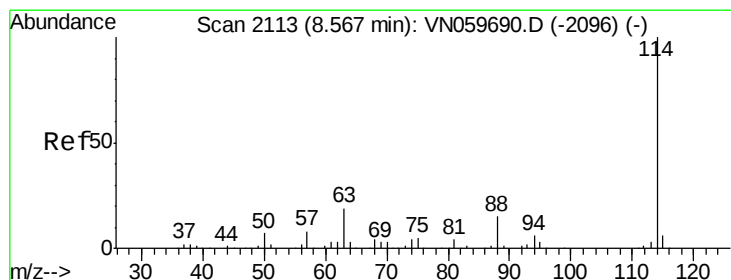
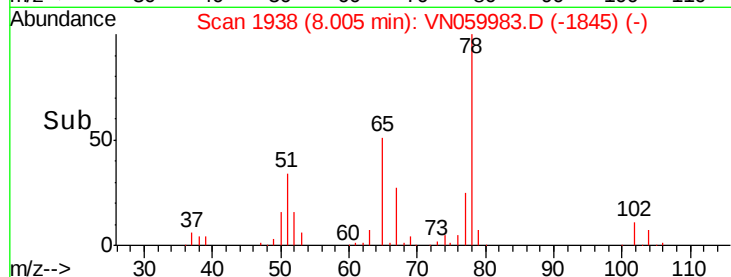
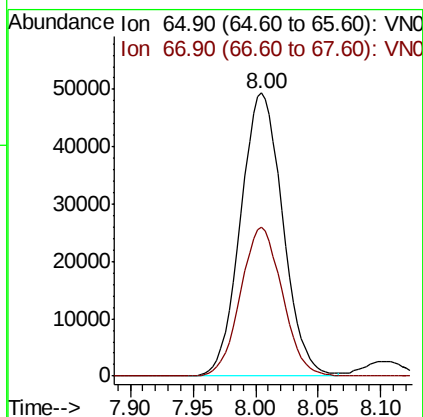
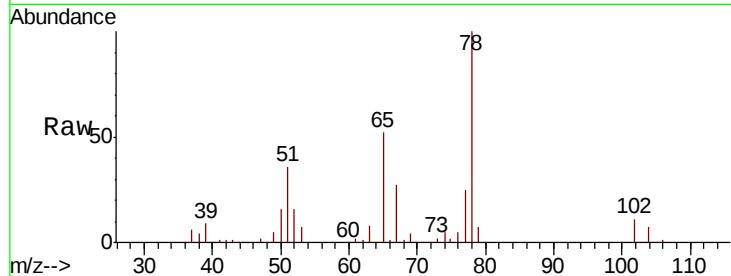




#33
 1,2-Dichloroethane-d4
 Concen: 53.910 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

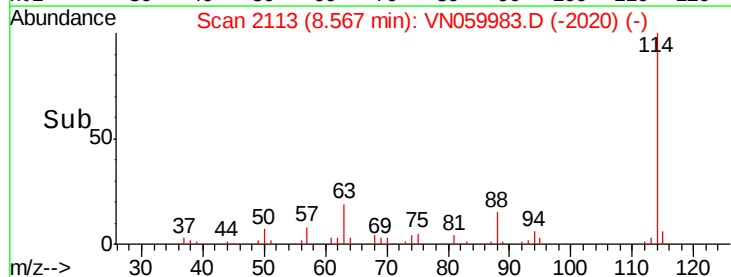
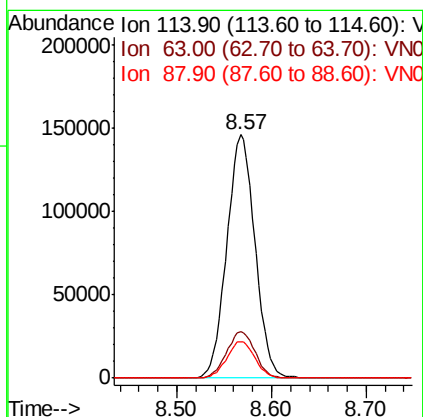
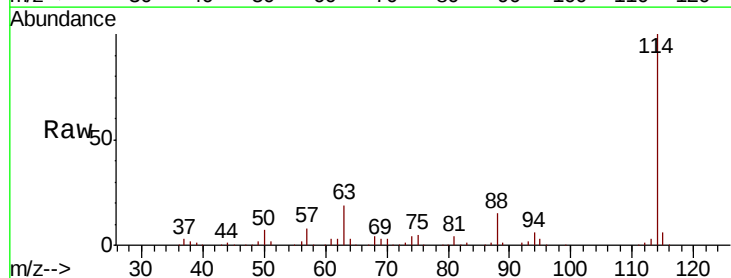
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 115524
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Tgt Ion: 114 Resp: 302885
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.6
 88 15.1 0.0 31.4

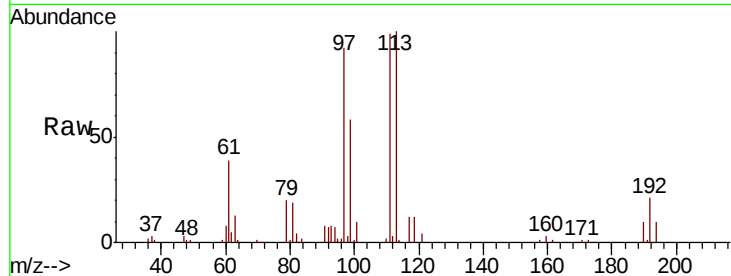




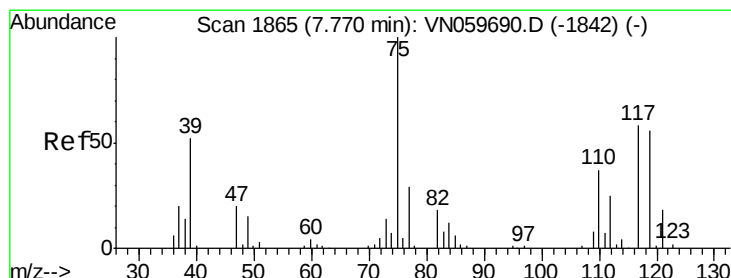
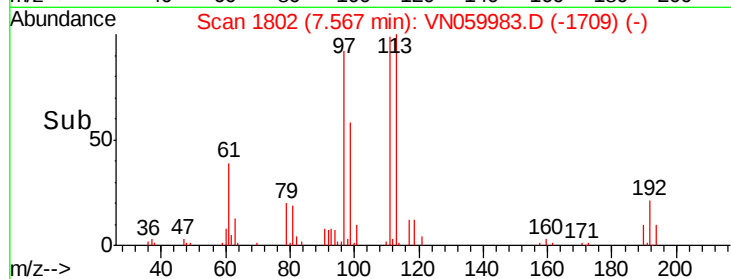
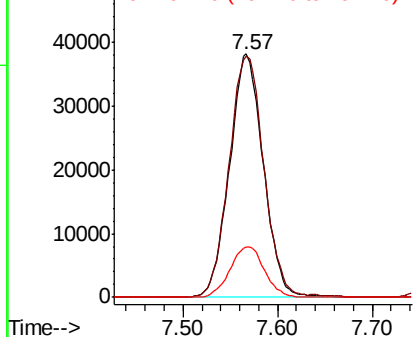
#35
 Dibromofluoromethane
 Concen: 52.452 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 94740
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.5 125.3
 192 21.1 15.4 23.2

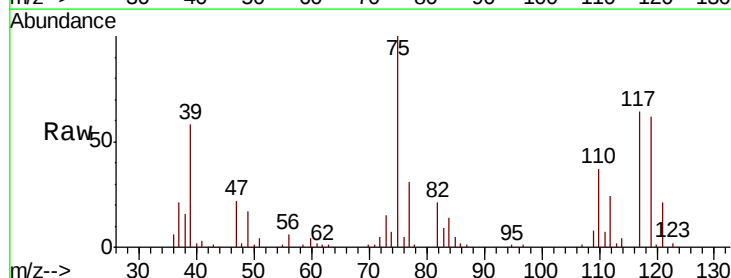


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

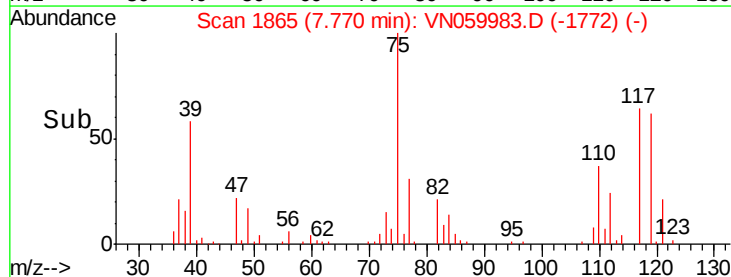
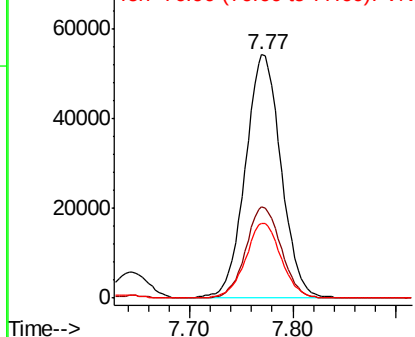


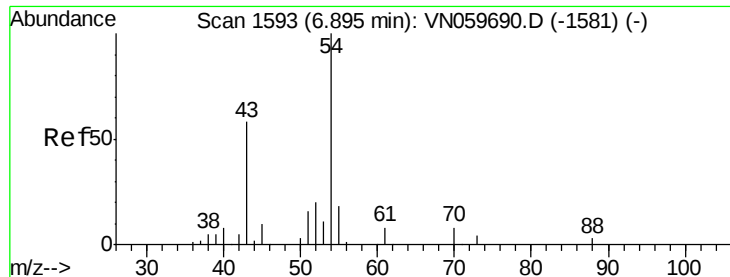
#36
 1,1-Dichloropropene
 Concen: 49.455 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Tgt Ion: 75 Resp: 130444
 Ion Ratio Lower Upper
 75 100
 110 36.8 16.6 49.7
 77 30.6 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

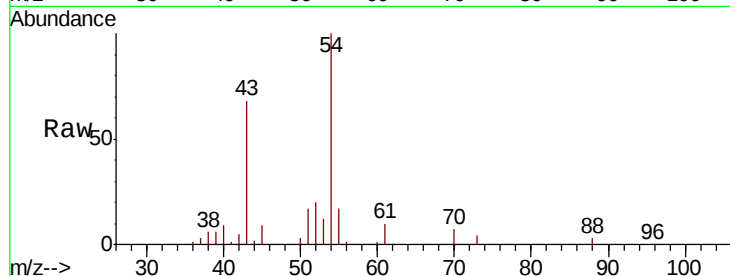




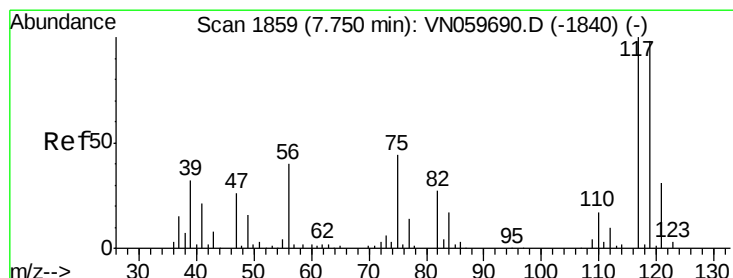
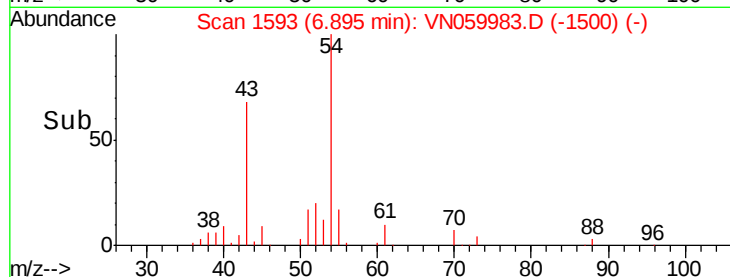
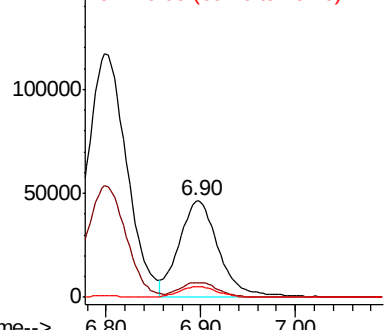
#37
Ethyl Acetate
Concen: 53.730 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 132922
Ion Ratio Lower Upper
43 100
61 15.2 10.9 16.3
70 10.8 7.7 11.5

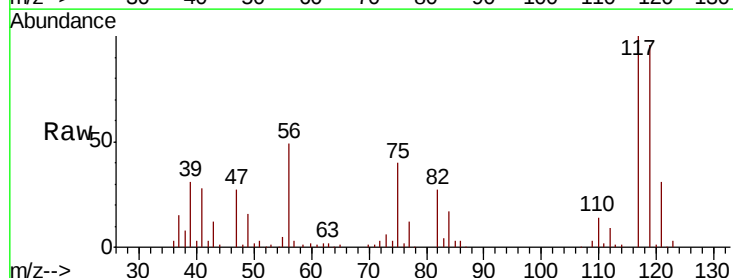


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

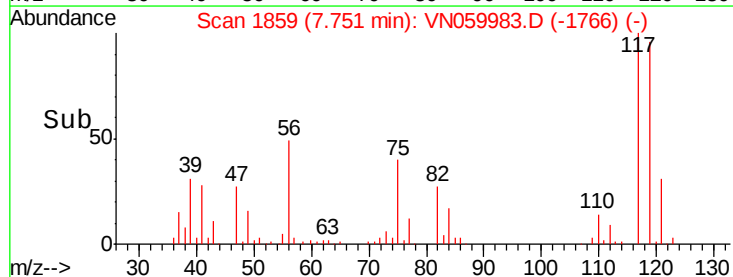
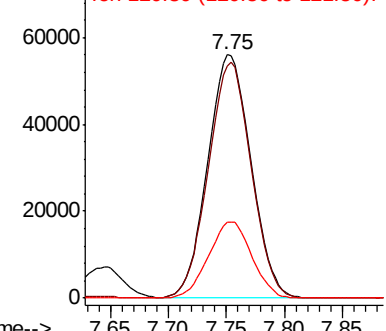


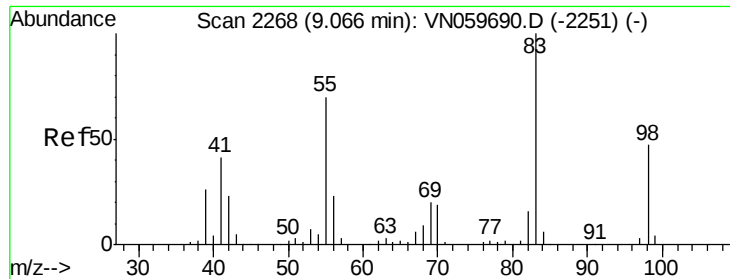
#38
Carbon Tetrachloride
Concen: 50.732 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 117 Resp: 145561
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
121 31.2 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

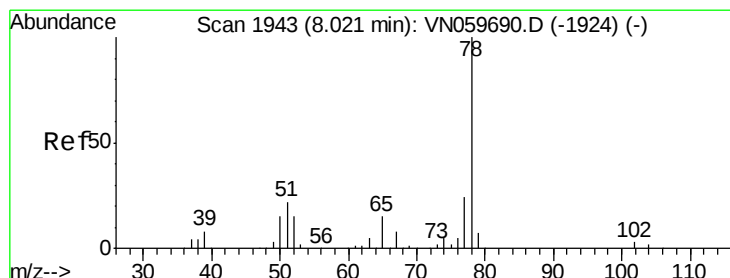
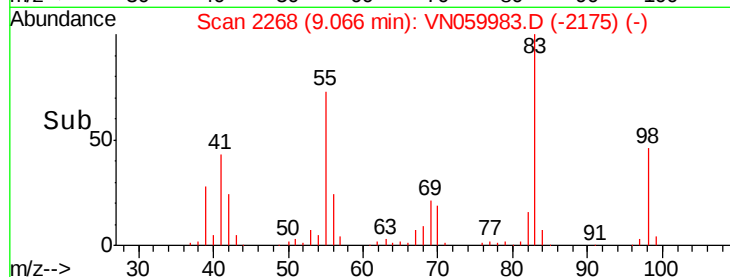
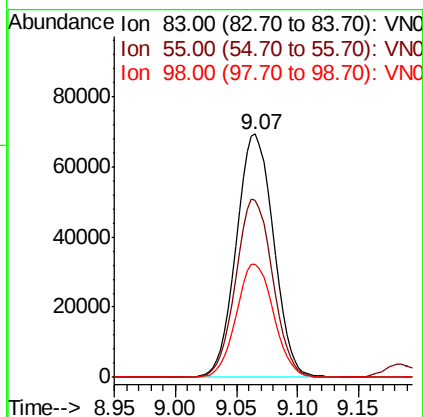
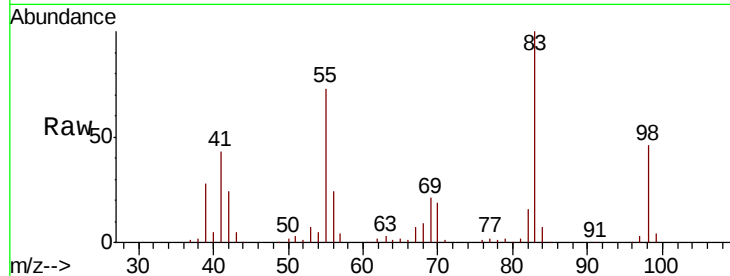




#39
Methvlcvclohexane
Concen: 45.127 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

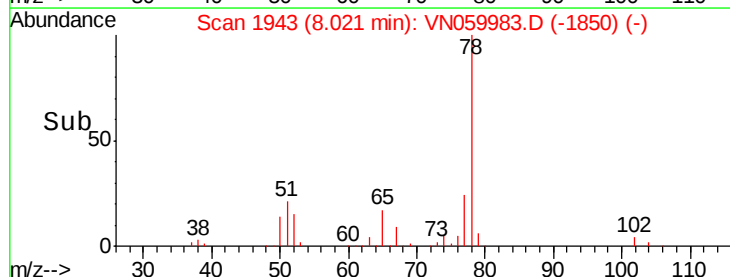
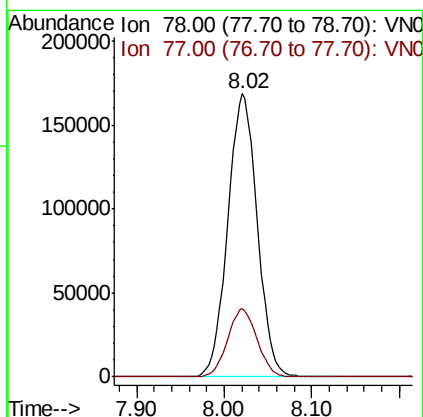
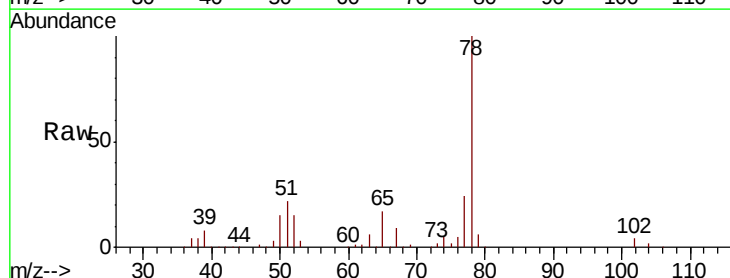
Instrument :
MSVOA_N
ClientSampled :

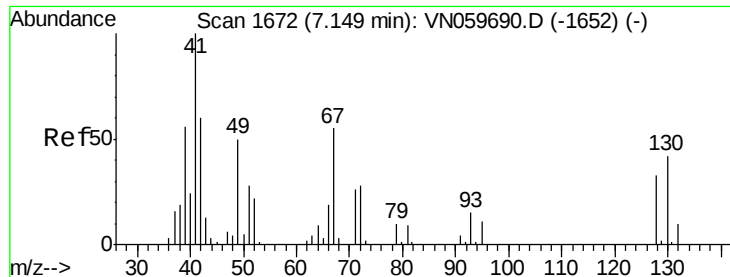
Tot Ion: 83 Resp: 146766
Ion Ratio Lower Upper
83 100
55 72.9 64.2 96.2
98 46.3 35.9 53.9



#40
Benzene
Concen: 50.000 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 78 Resp: 393321
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3

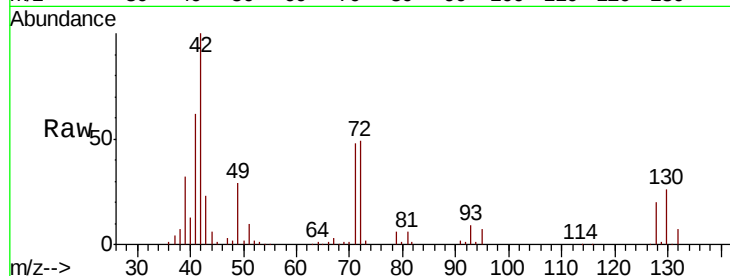




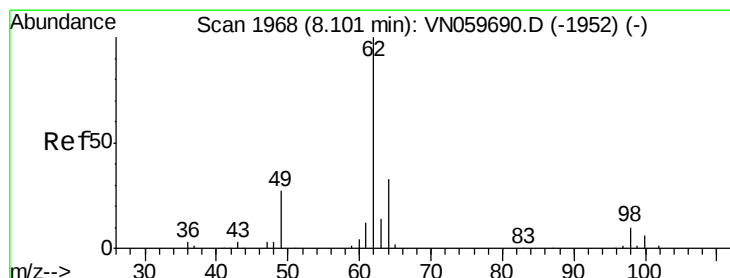
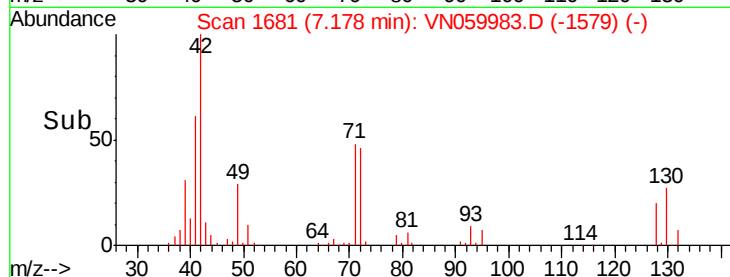
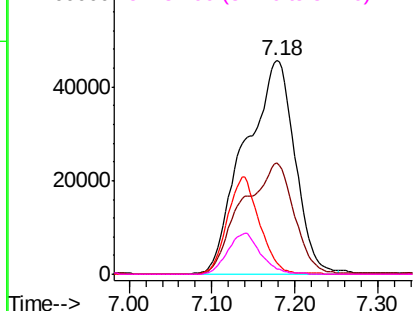
#41
Methacrylonitrile
Concen: 157.878 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 192378
Ion Ratio Lower Upper
41 100
39 53.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

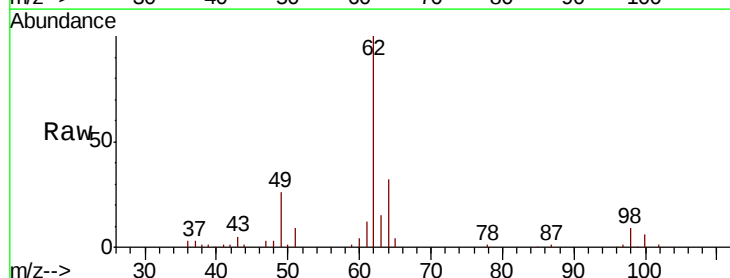


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

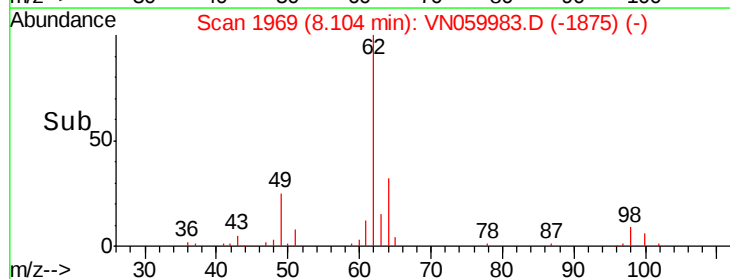
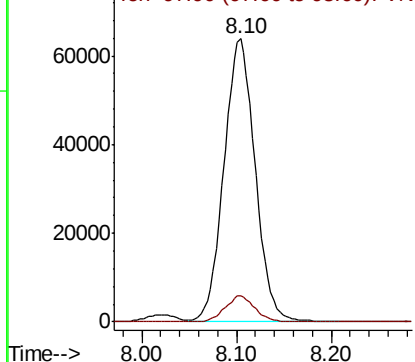


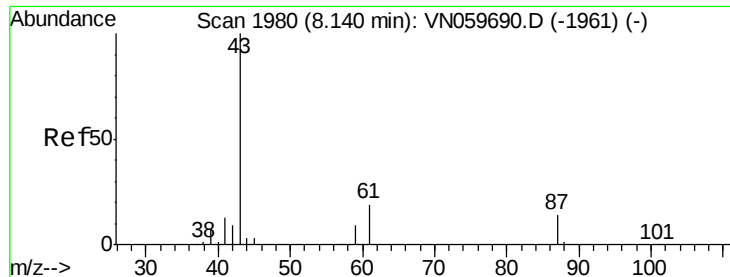
#42
1,2-Dichloroethane
Concen: 54.872 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 62 Resp: 146351
Ion Ratio Lower Upper
62 100
98 8.7 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 54.293 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampled :

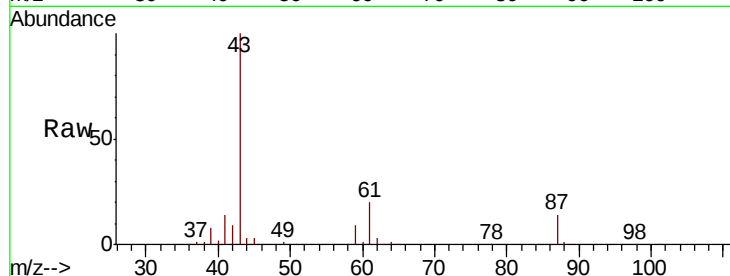
Tot Ion: 43 Resp: 231024

Ion Ratio Lower Upper

43 100

61 26.8 20.2 30.2

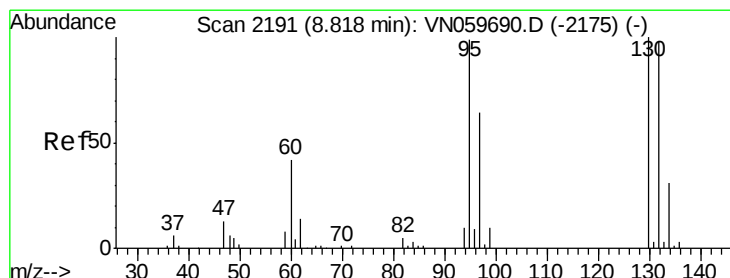
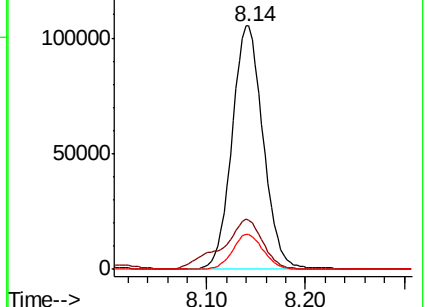
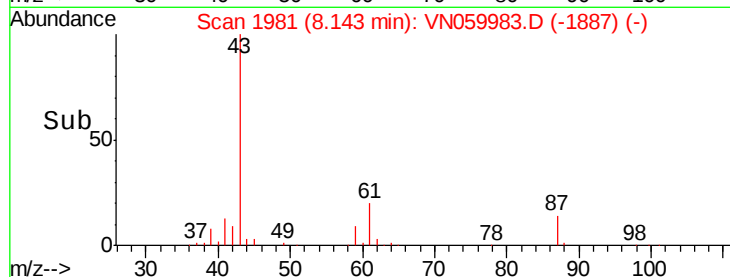
87 14.3 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059983.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN059983.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN059983.D (-1987) (-)



#44

Trichloroethene

Concen: 51.363 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059983.D

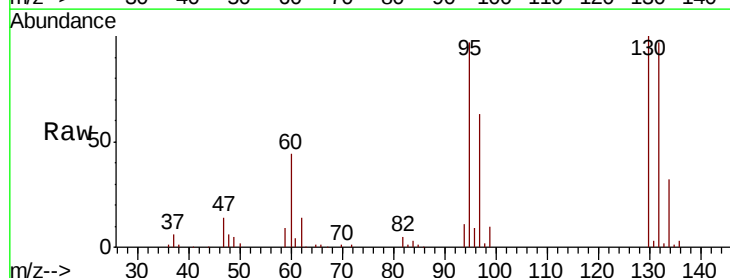
Acq: 3 Feb 2020 18:27

Tgt Ion:130 Resp: 110299

Ion Ratio Lower Upper

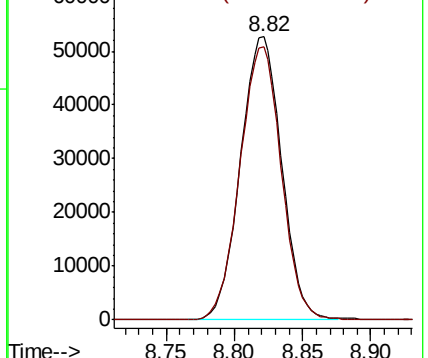
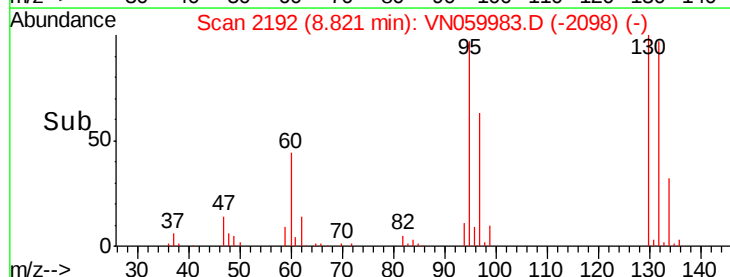
130 100

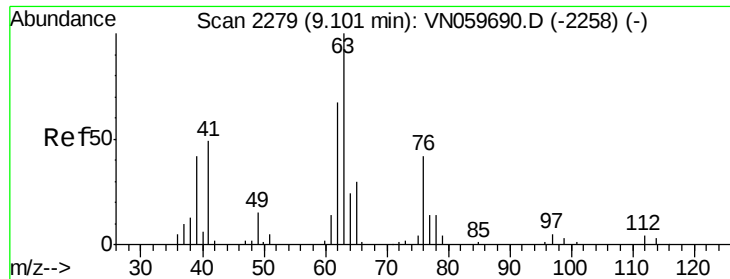
95 96.6 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059983.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059983.D (-2098) (-)

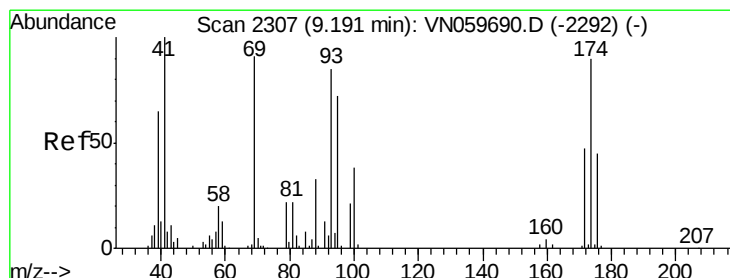
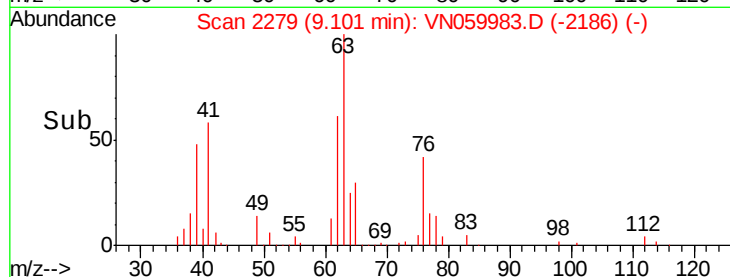
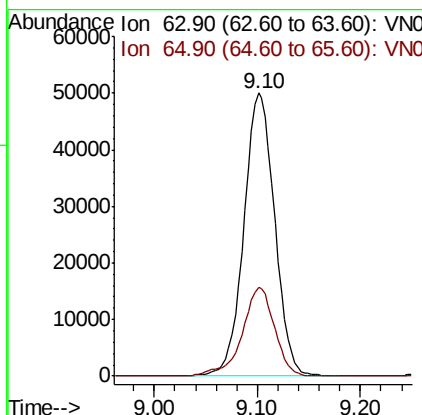
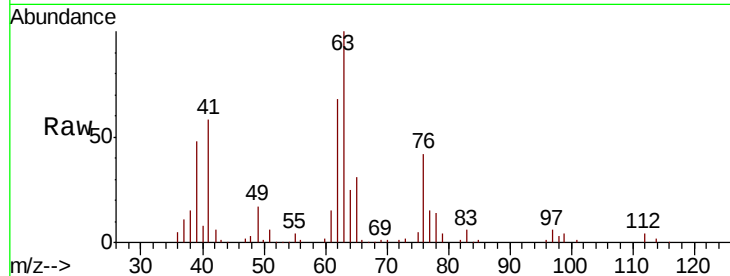




#45
 1,2-Dichloropropane
 Concen: 53.241 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

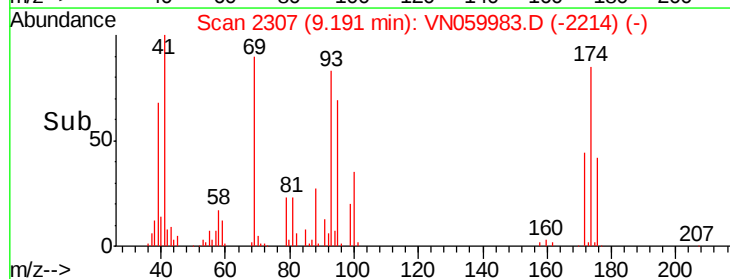
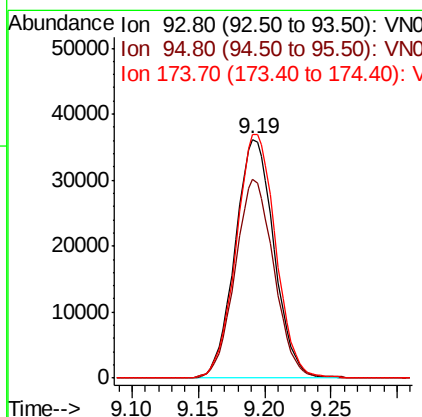
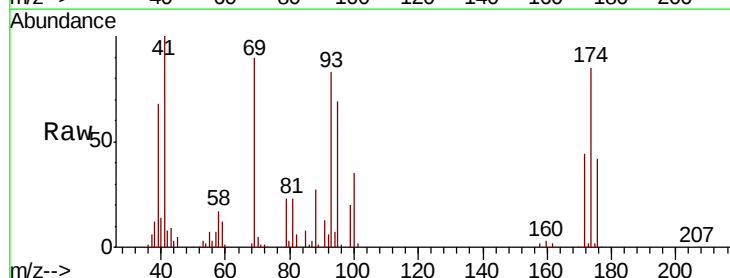
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 103635
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.9 37.3



#46
 Dibromomethane
 Concen: 53.732 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Tgt Ion: 93 Resp: 73779
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.0 100.6
 174 103.8 73.4 110.2

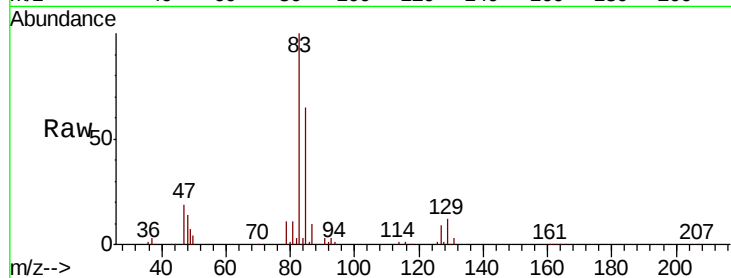




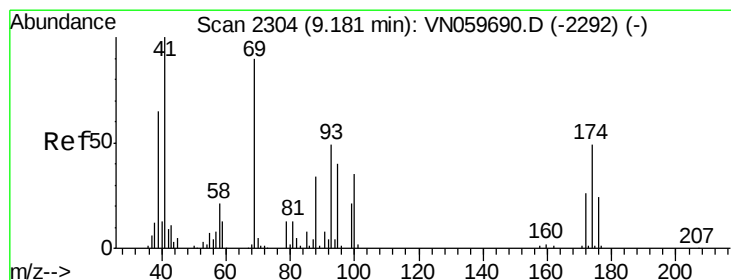
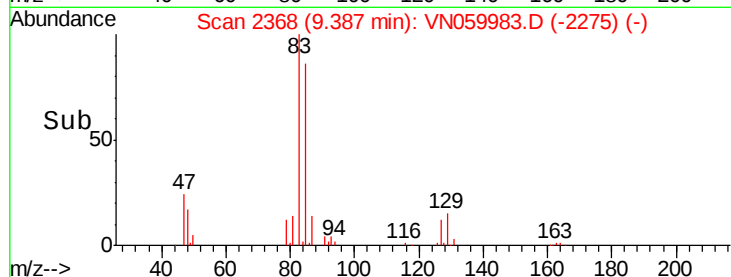
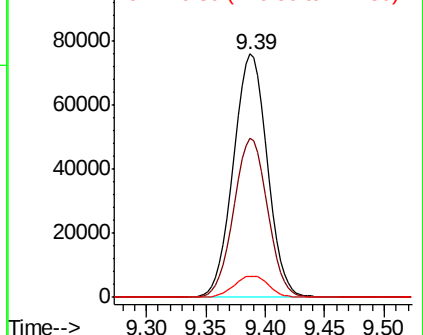
#47
Bromodichloromethane
Concen: 54.473 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 150728
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7
127 8.8 6.6 9.8

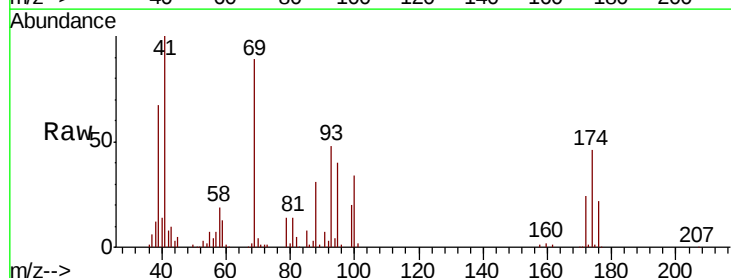


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

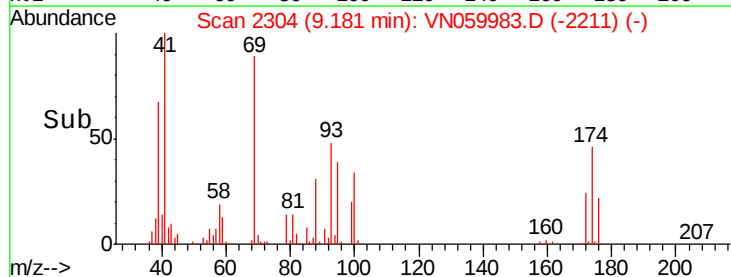
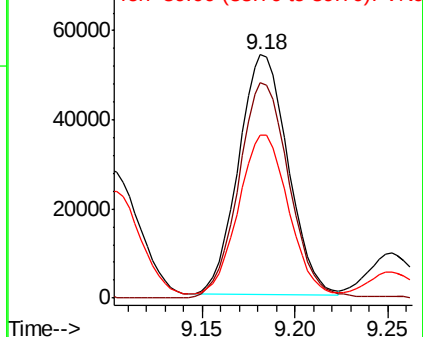


#48
Methyl methacrylate
Concen: 52.854 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 41 Resp: 100599
Ion Ratio Lower Upper
41 100
69 91.4 64.4 96.6
39 69.9 51.3 76.9



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

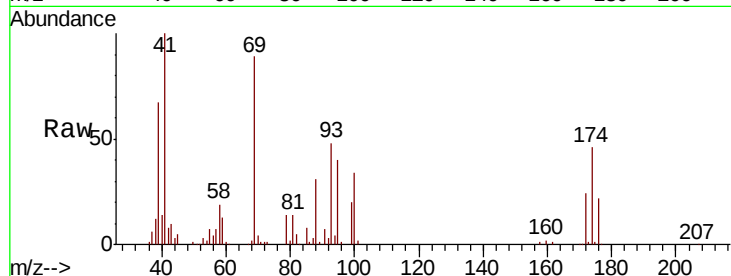




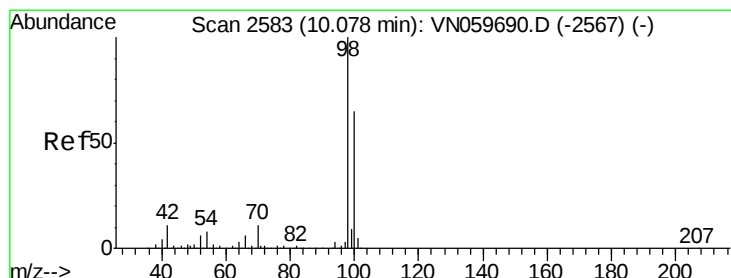
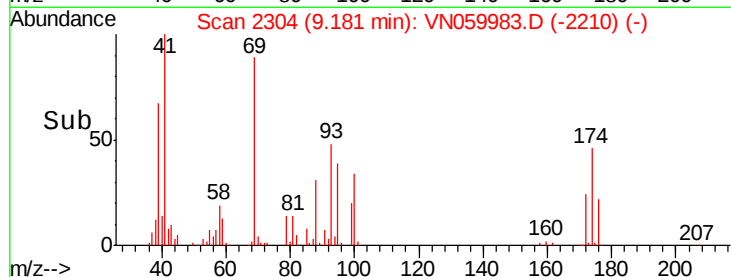
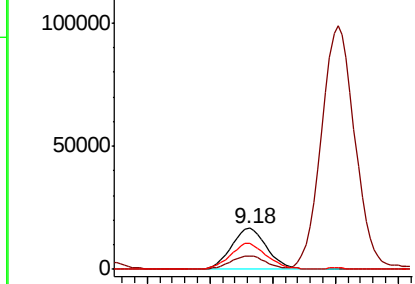
#49
1,4-Dioxane
Concen: 951.067 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 33138
Ion Ratio Lower Upper
88 100
43 32.7 29.7 44.5
58 63.7 56.6 85.0

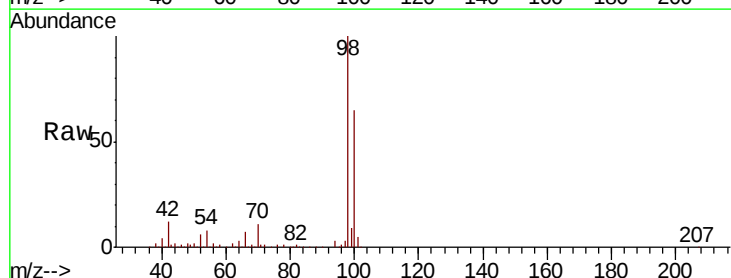


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

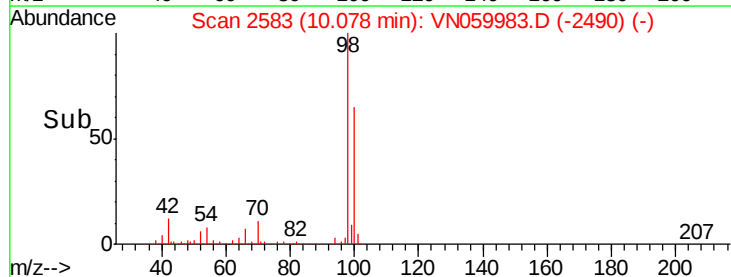
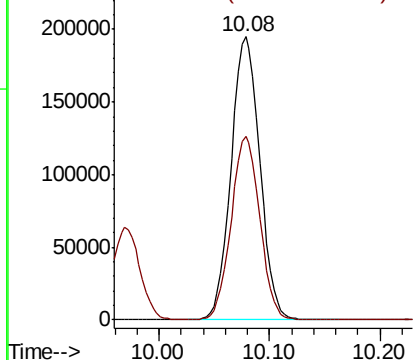


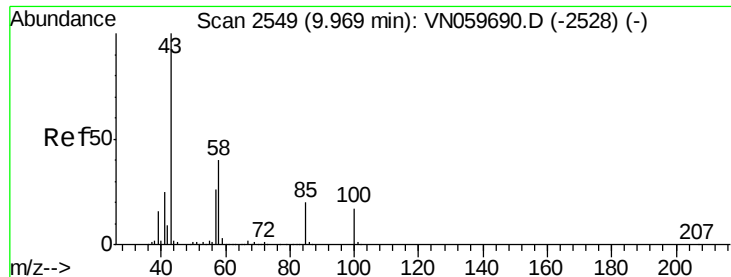
#50
Toluene-d8
Concen: 50.324 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 98 Resp: 352181
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

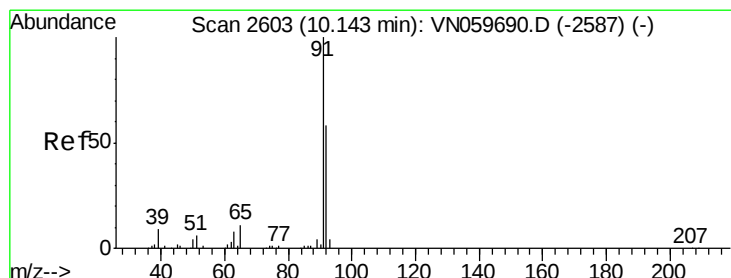
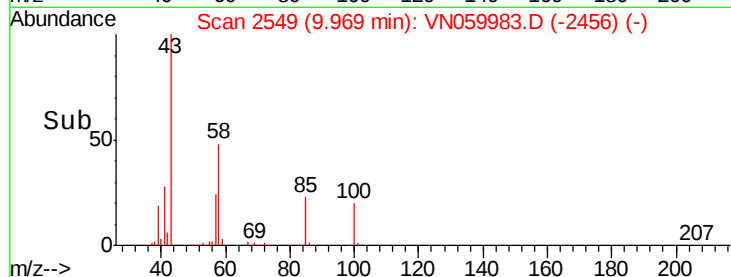
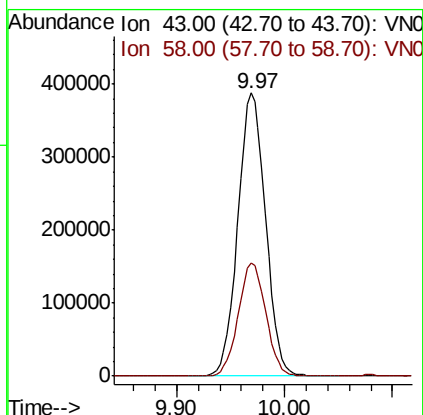
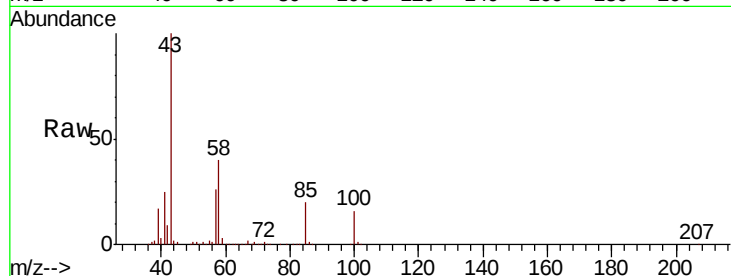




#51
 4-Methyl-2-Pentanone
 Concen: 281.942 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

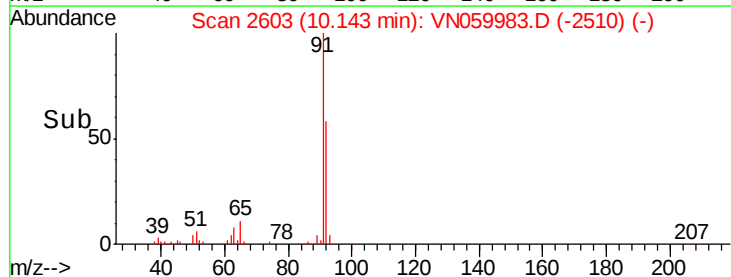
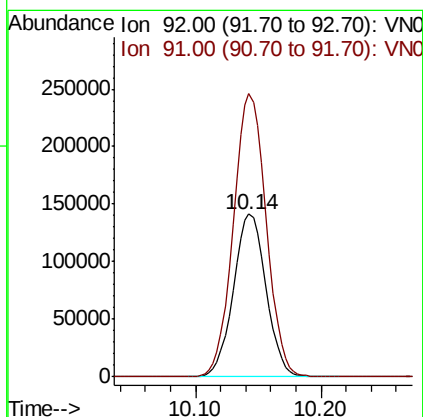
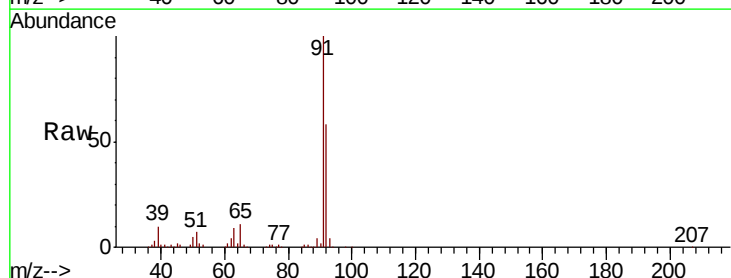
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 693515
 Ion Ratio Lower Upper
 43 100
 58 39.8 29.8 44.8



#52
 Toluene
 Concen: 51.307 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Tgt Ion: 92 Resp: 254932
 Ion Ratio Lower Upper
 92 100
 91 175.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 54.886 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

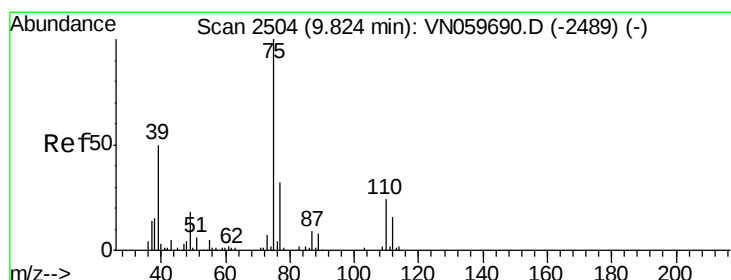
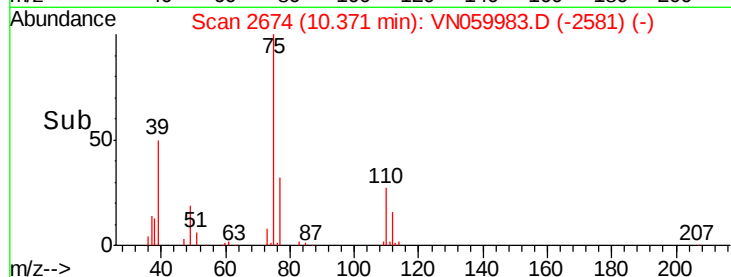
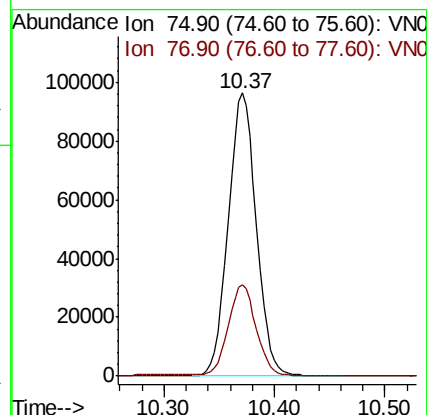
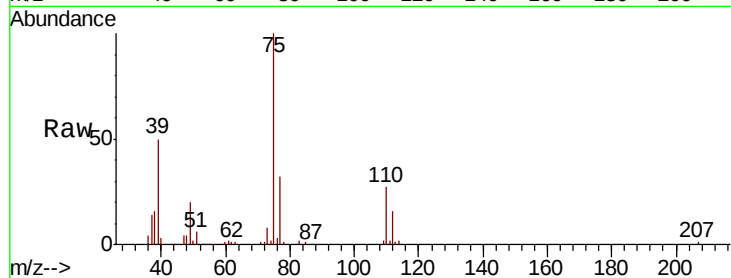
ClientSampled :

Tot Ion: 75 Resp: 169577

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 54.198 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

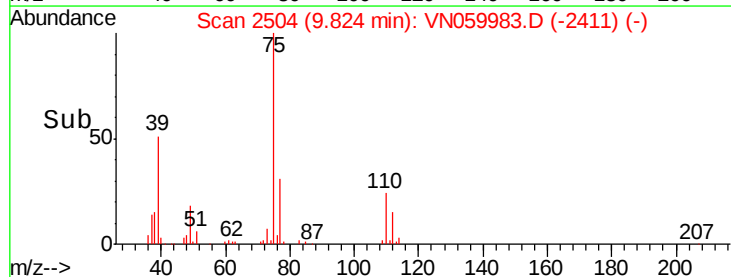
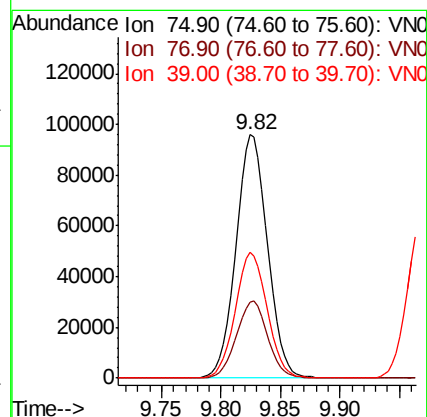
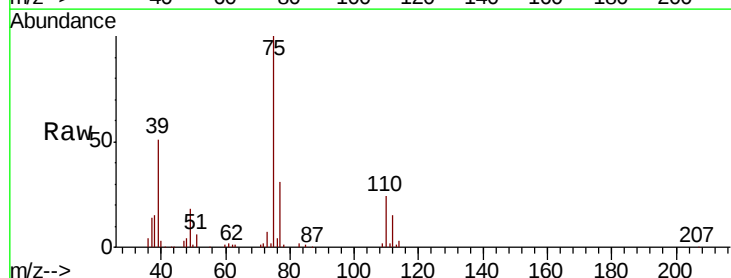
Tgt Ion: 75 Resp: 176190

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 51.5 46.1 69.1

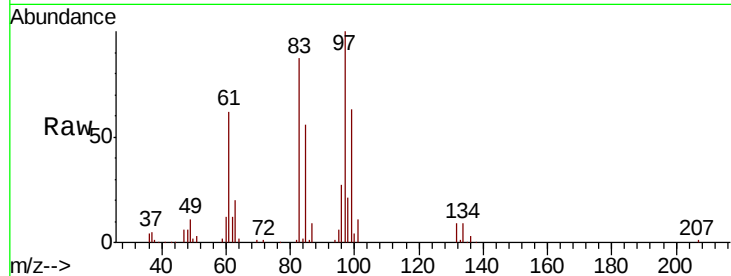




#55
 1,1,2-Trichloroethane
 Concen: 54.399 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	107053
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.3	106.9
85	55.8	45.8	68.8
99	63.2	50.0	75.0



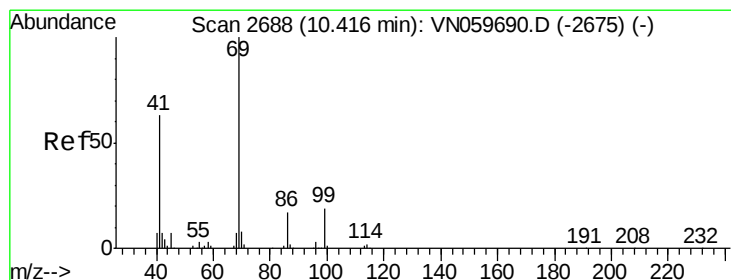
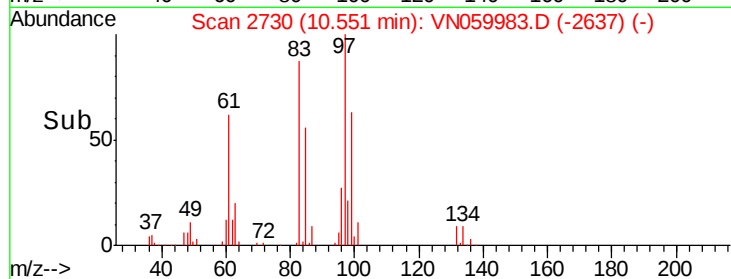
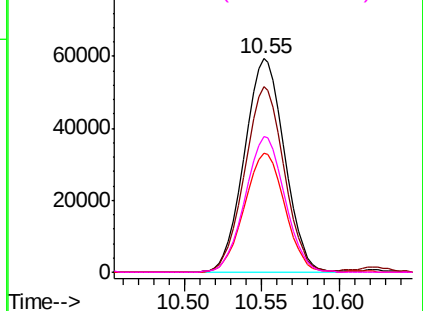
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

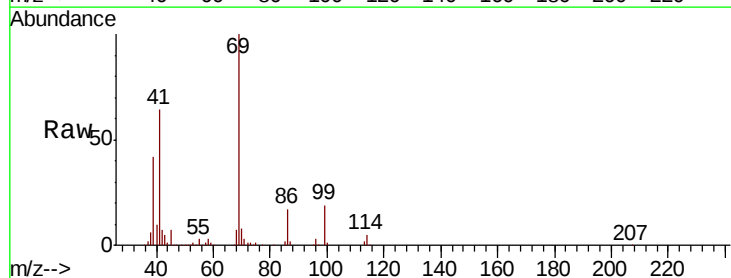
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 53.665 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Tgt Ion:	69	Resp:	161369
Ion	Ratio	Lower	Upper
69	100		
41	64.1	57.1	85.7
39	43.5	34.7	52.1

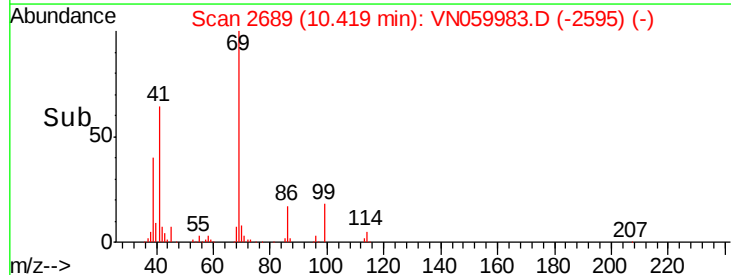
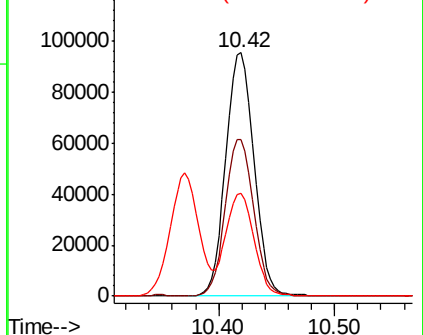


Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 55.794 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

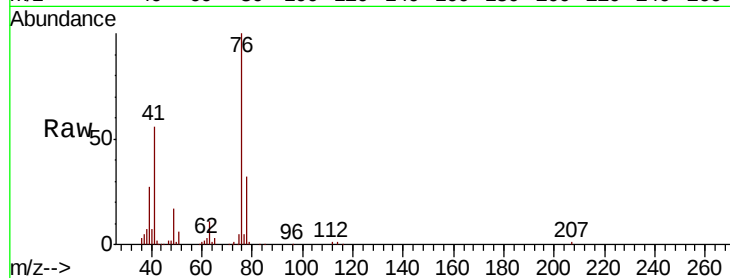
ClientSampled :

Tot Ion: 76 Resp: 174317

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN059983.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN059983.D (-2682) (-)

10.70

100000

80000

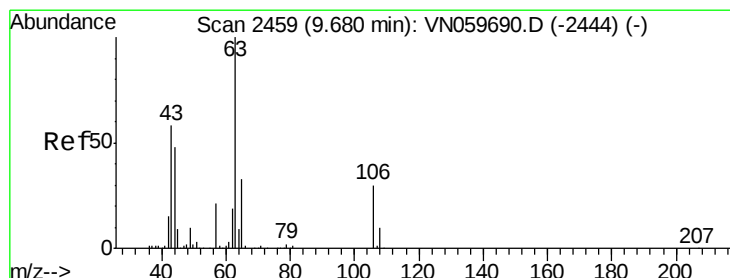
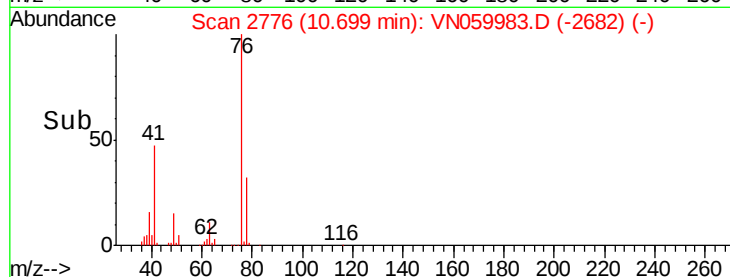
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 295.390 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059983.D

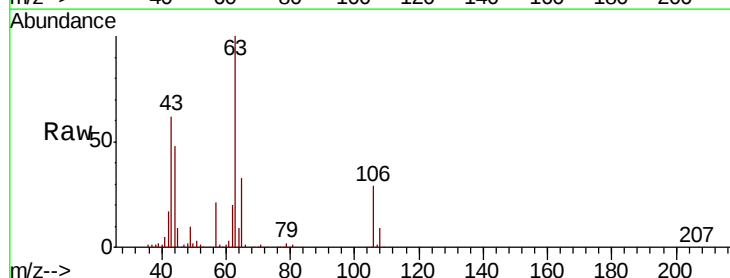
Acq: 3 Feb 2020 18:27

Tgt Ion: 63 Resp: 267539

Ion Ratio Lower Upper

63 100

106 29.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059983.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN059983.D (-2366) (-)

9.68

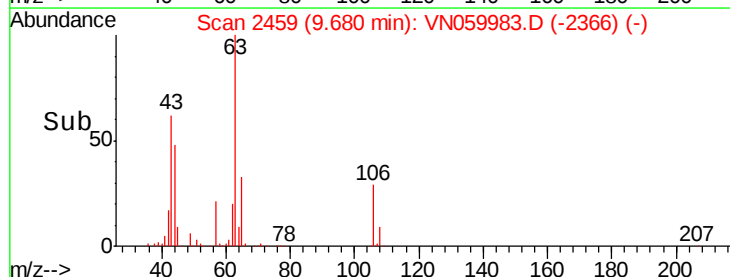
150000

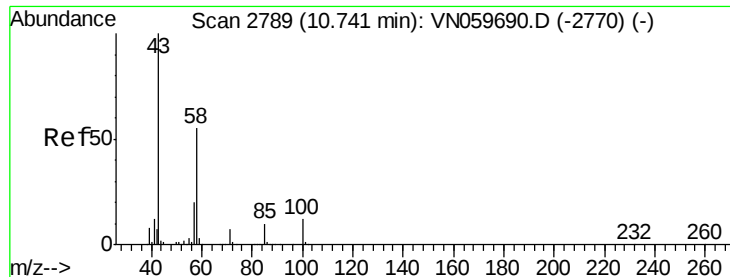
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

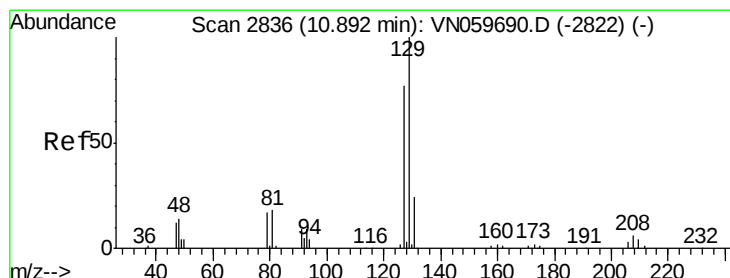
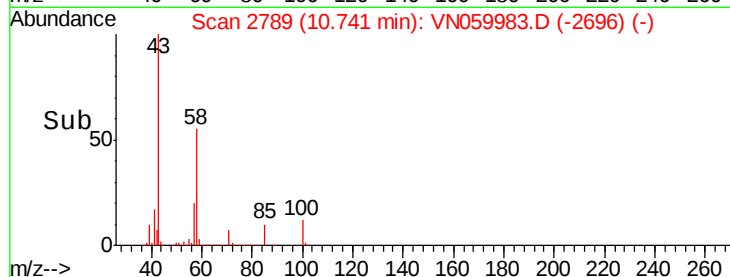
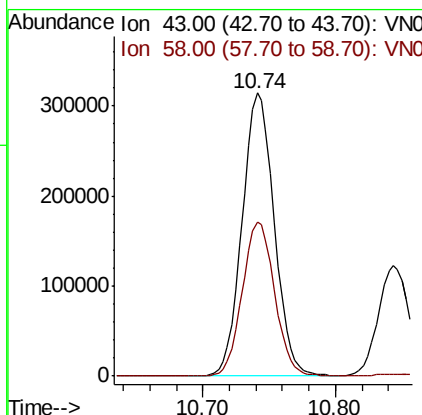
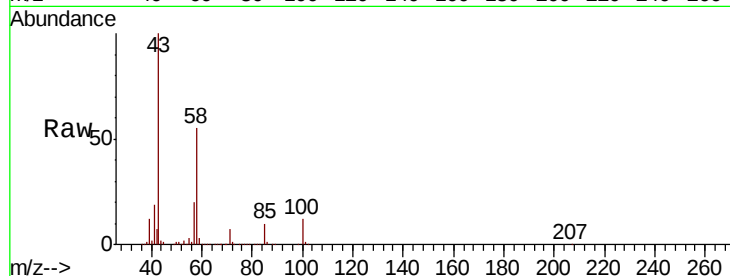




#59
2-Hexanone
Concen: 291.352 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

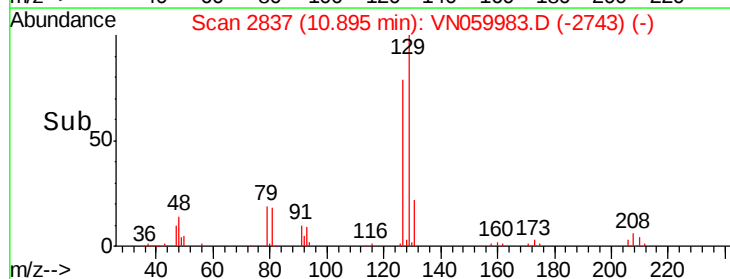
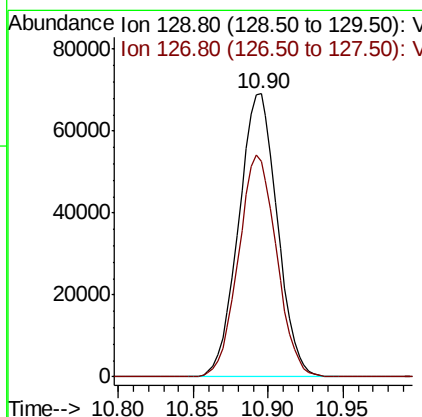
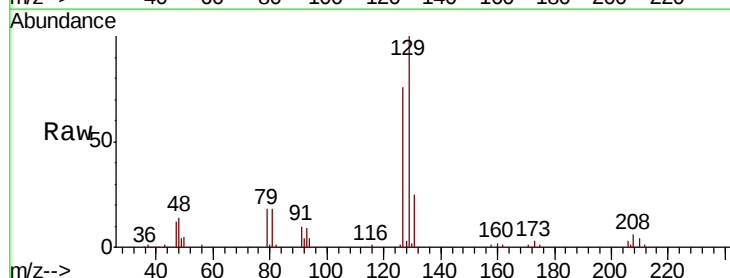
Instrument :
MSVOA_N
ClientSampled :

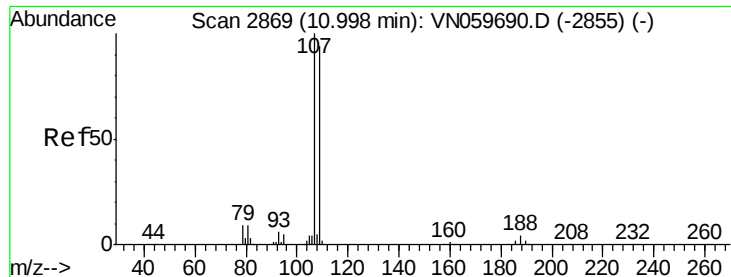
Tot Ion: 43 Resp: 527966
Ion Ratio Lower Upper
43 100
58 54.9 25.8 77.3



#60
Dibromochloromethane
Concen: 55.513 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion: 129 Resp: 124405
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 54.455 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

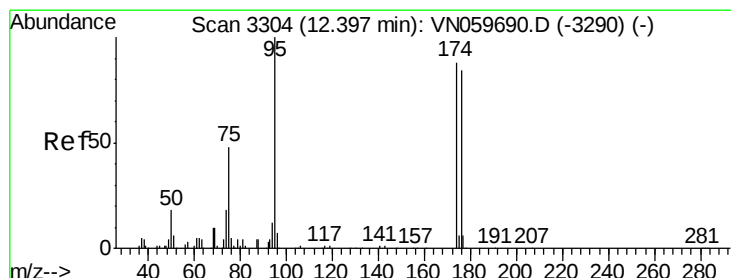
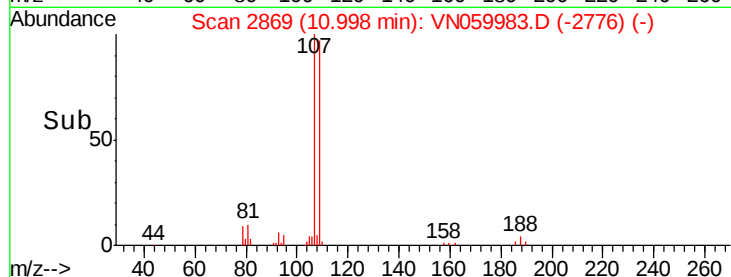
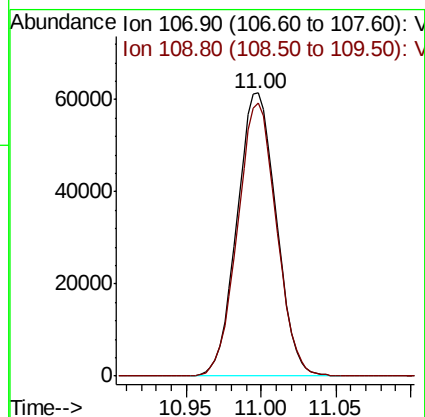
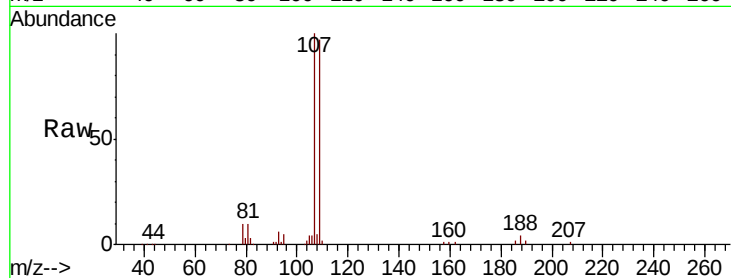
ClientSampleId :

Tot Ion:107 Resp: 112319

Ion Ratio Lower Upper

107 100

109 95.6 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 53.657 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

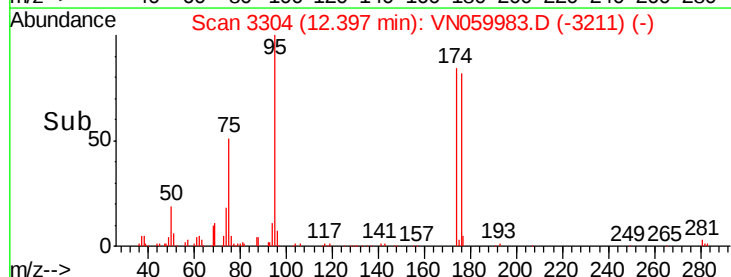
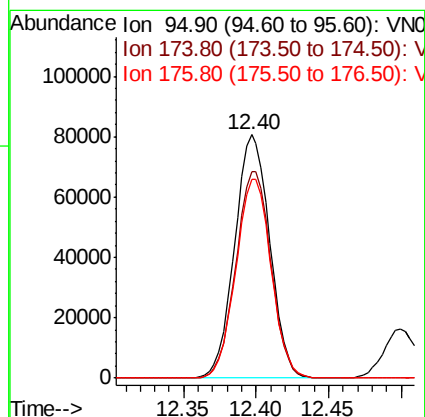
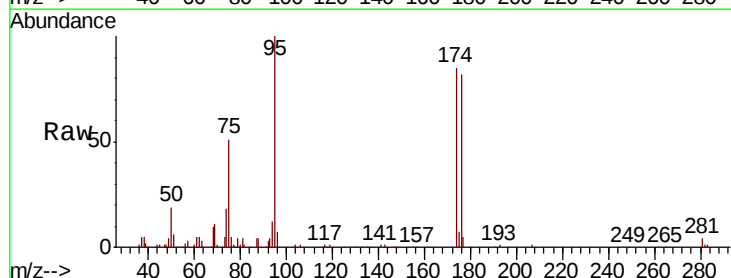
Tgt Ion: 95 Resp: 135369

Ion Ratio Lower Upper

95 100

174 84.8 0.0 151.4

176 82.2 0.0 146.0

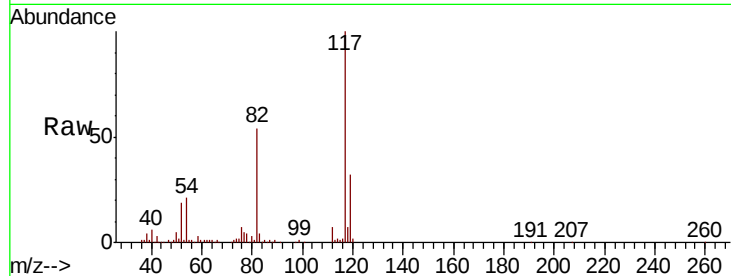




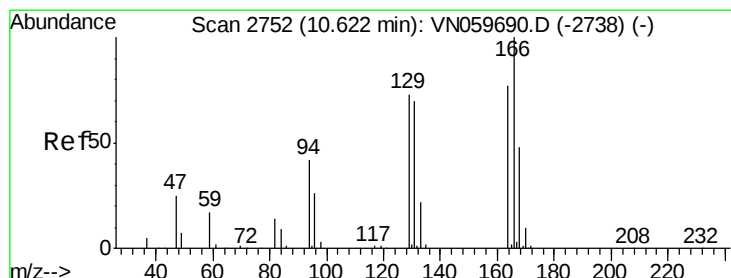
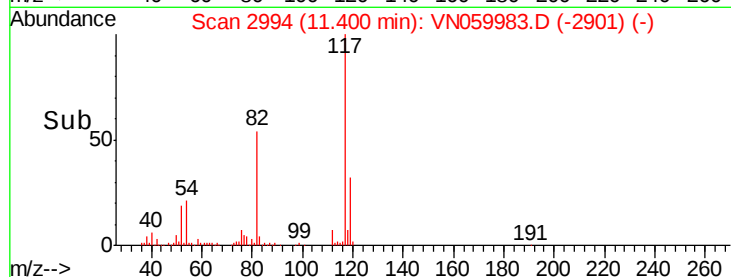
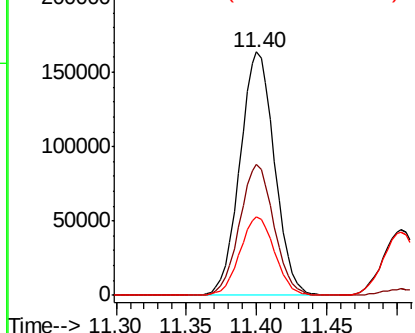
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 281402
Ion Ratio Lower Upper
117 100
82 53.8 45.9 68.9
119 32.2 25.5 38.3

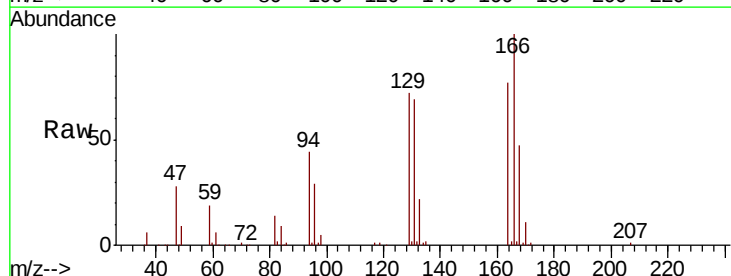


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

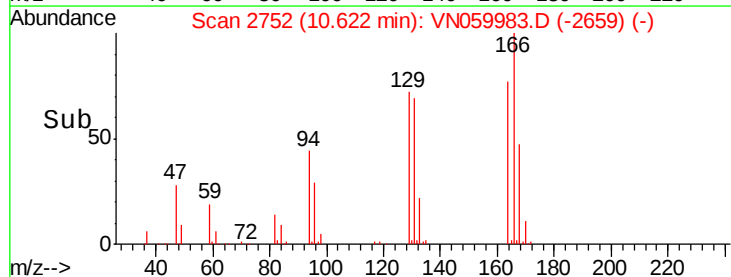
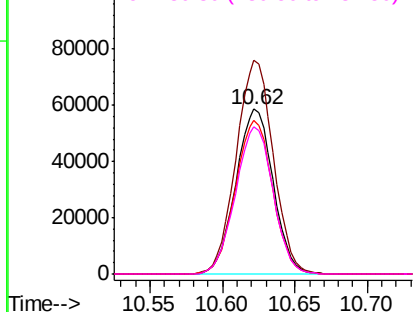


#64
Tetrachloroethene
Concen: 45.799 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion:164 Resp: 105038
Ion Ratio Lower Upper
164 100
166 129.6 101.4 152.0
129 93.2 80.2 120.4
131 89.3 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

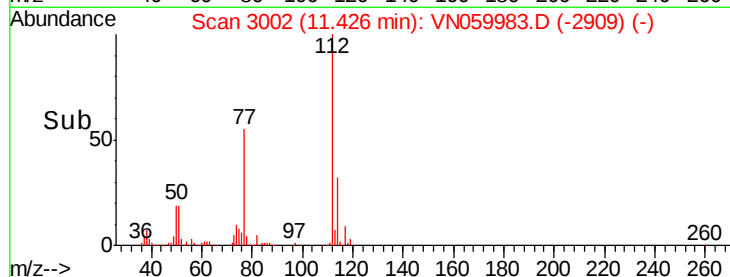
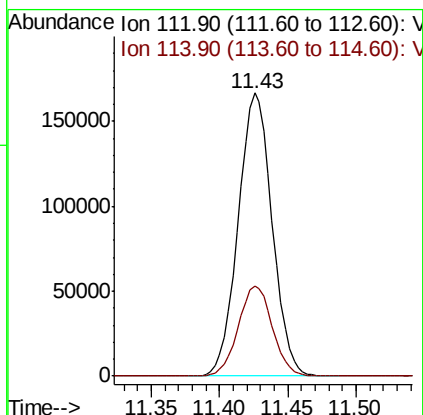
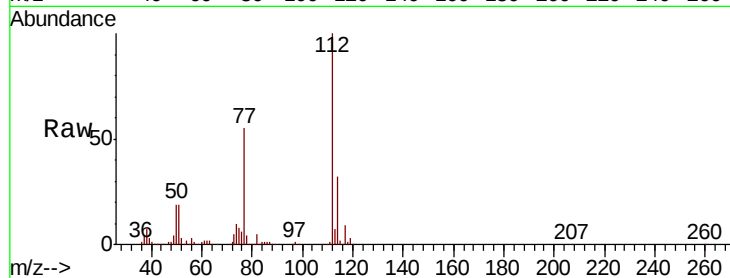




#65
Chlorobenzene
Concen: 51.944 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

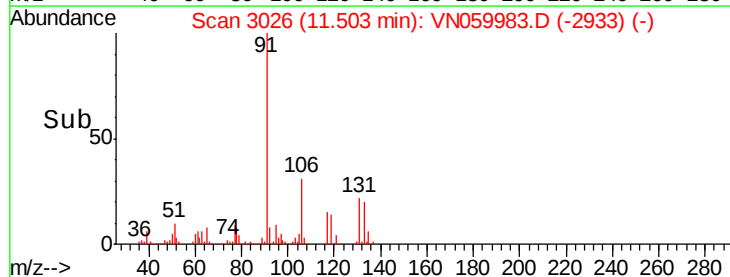
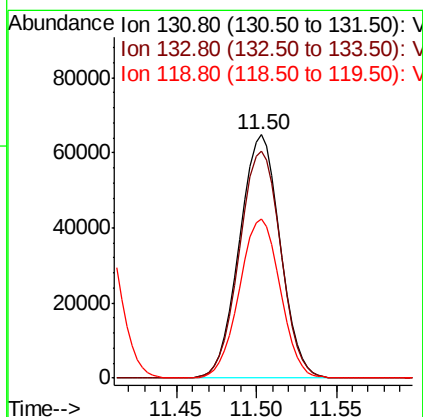
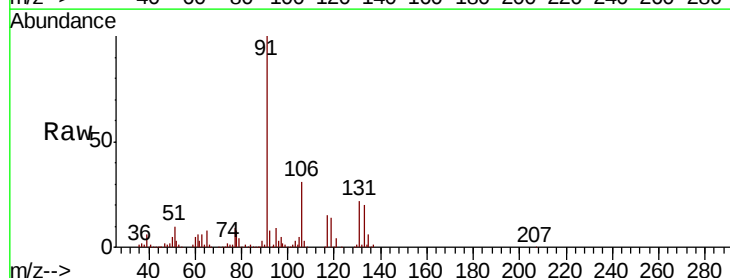
Instrument :
MSVOA_N
ClientSampled :

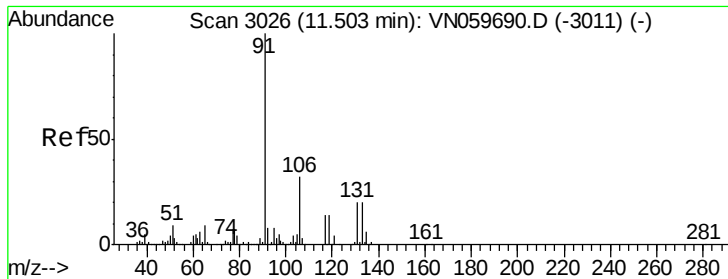
Tot Ion:112 Resp: 287306
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.626 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion:131 Resp: 112472
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.2
119 65.9 33.1 99.3





#67

Ethyl Benzene

Concen: 50.436 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

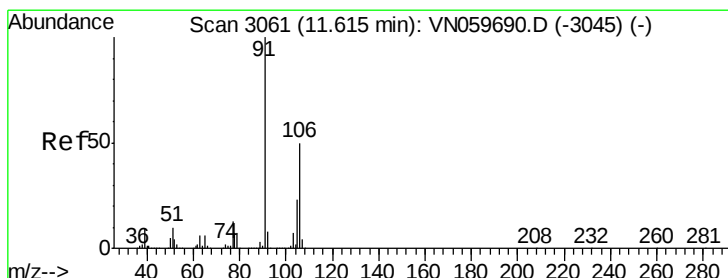
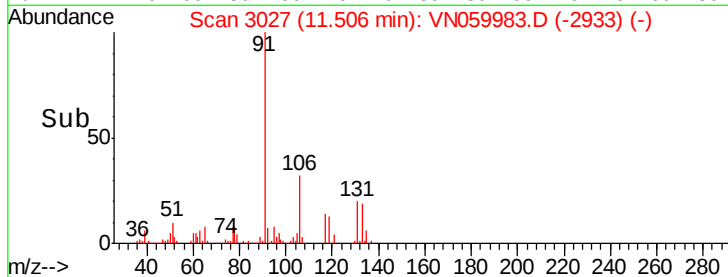
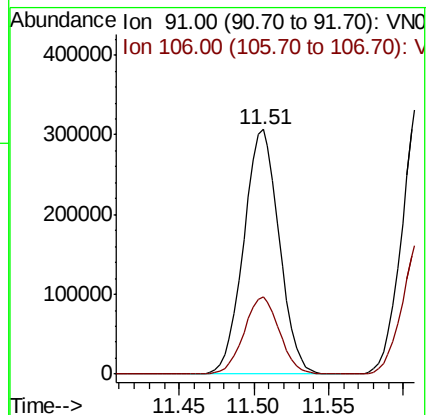
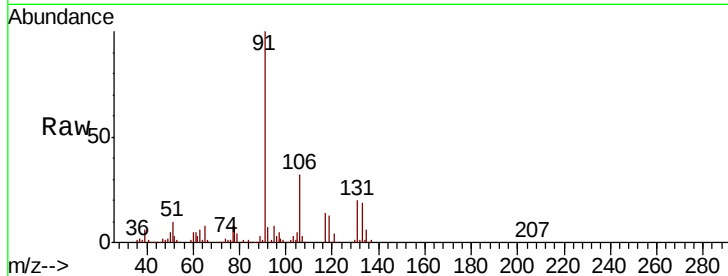
ClientSampled :

Tot Ion: 91 Resp: 506411

Ion Ratio Lower Upper

91 100

106 31.6 24.1 36.1



#68

m/p-Xylenes

Concen: 101.012 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059983.D

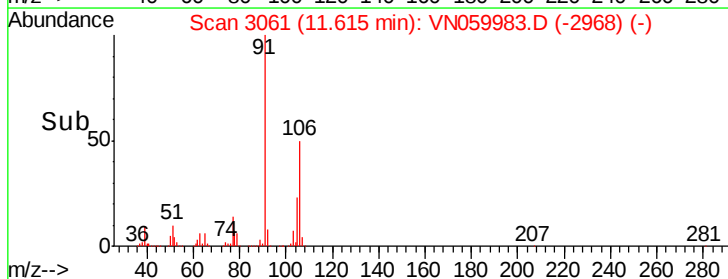
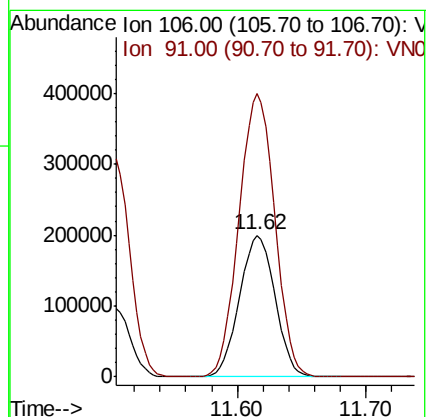
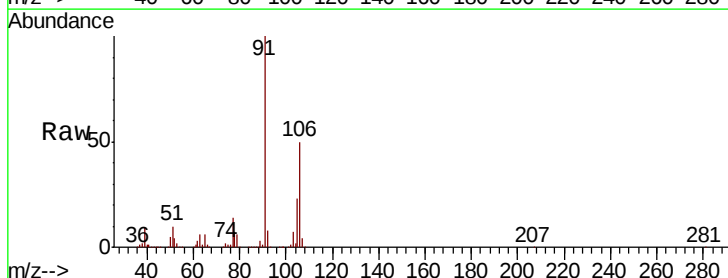
Acq: 3 Feb 2020 18:27

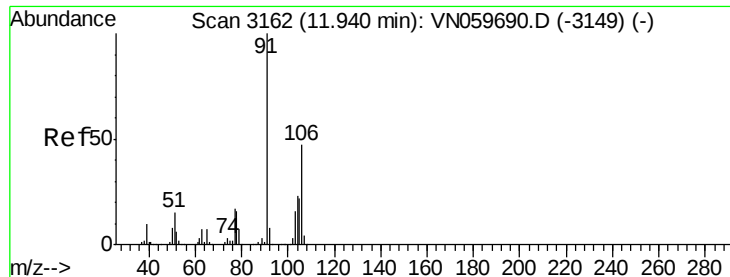
Tgt Ion: 106 Resp: 383116

Ion Ratio Lower Upper

106 100

91 201.4 167.9 251.9

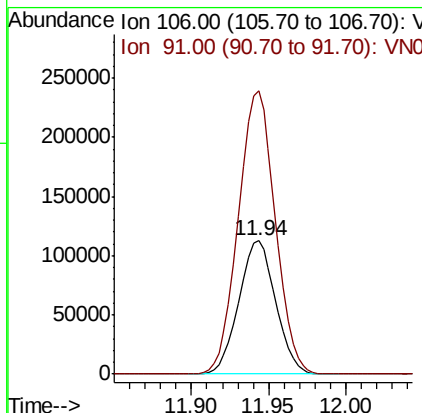
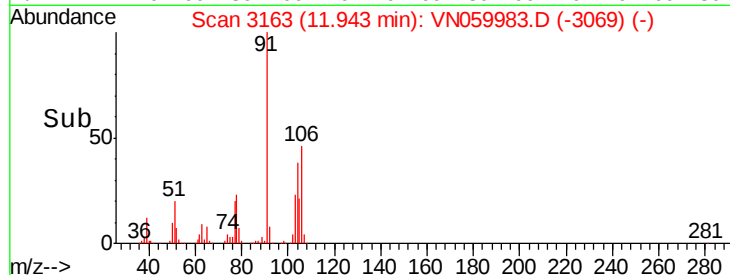
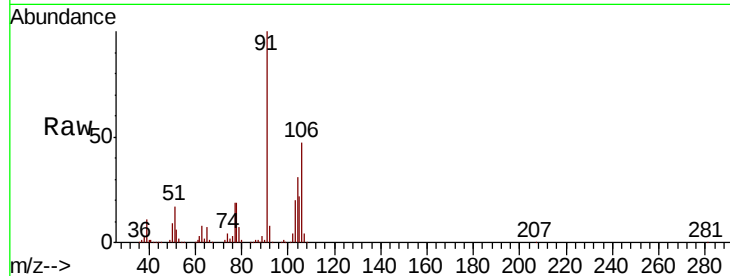




#69
o-Xylene
Concen: 50.184 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

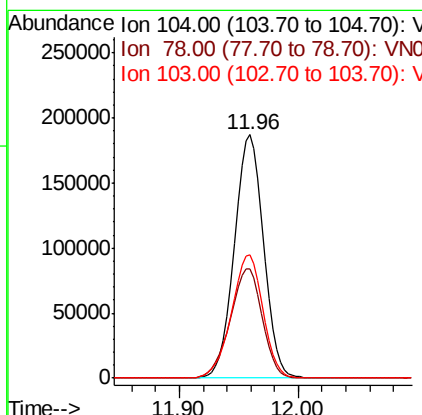
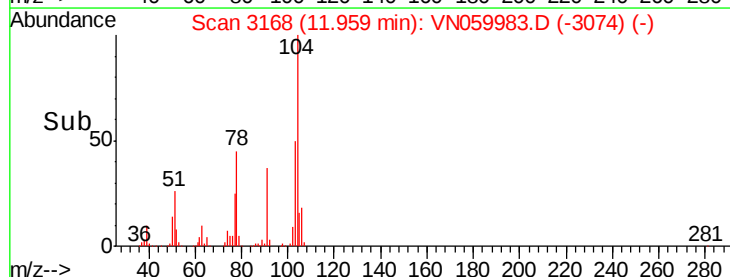
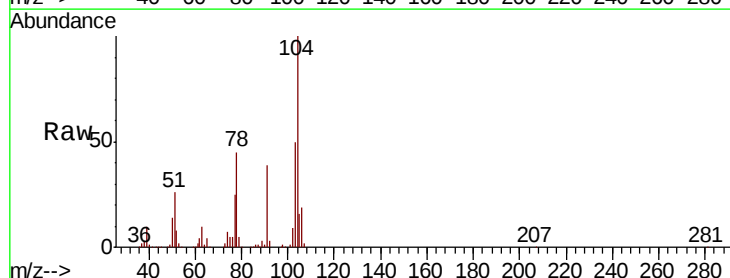
Instrument :
MSVOA_N
ClientSampled :

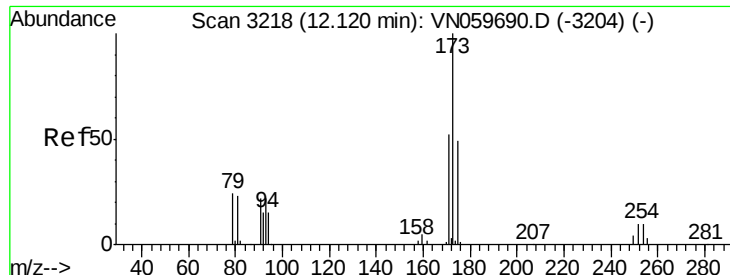
Tot Ion:106 Resp: 186340
Ion Ratio Lower Upper
106 100
91 212.8 110.3 330.9



#70
Styrene
Concen: 51.249 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059983.D
Acq: 3 Feb 2020 18:27

Tgt Ion:104 Resp: 318427
Ion Ratio Lower Upper
104 100
78 49.2 42.4 63.6
103 54.4 43.9 65.9





#71

Bromoform

Concen: 55.852 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

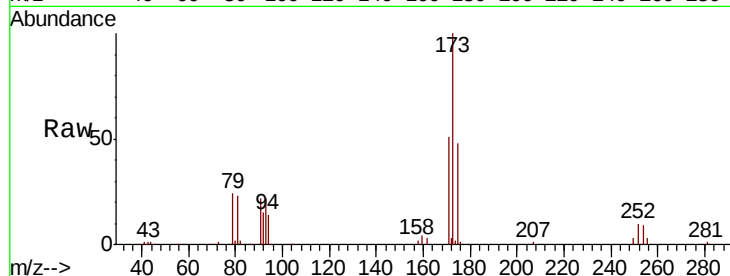
Tot Ion:173 Resp: 95614

Ion Ratio Lower Upper

173 100

175 48.6 23.8 71.4

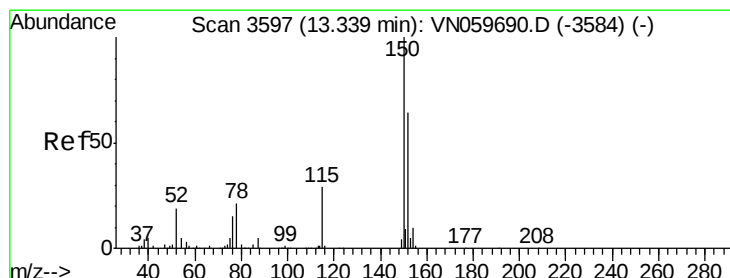
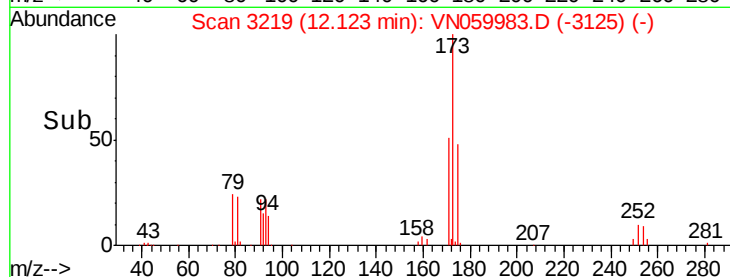
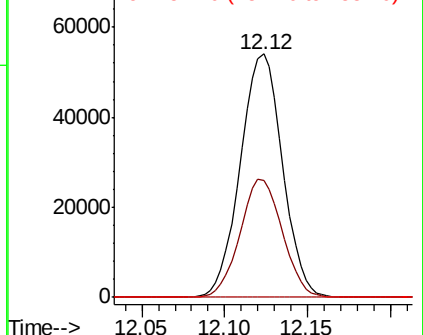
254 0.0 0.0 0.0



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: VN059983.D

Acq: 3 Feb 2020 18:27

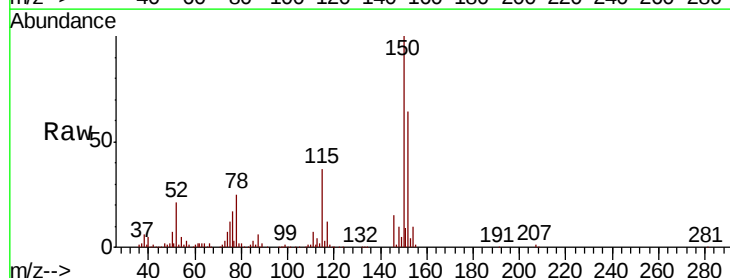
Tgt Ion:152 Resp: 142472

Ion Ratio Lower Upper

152 100

115 58.8 30.3 90.9

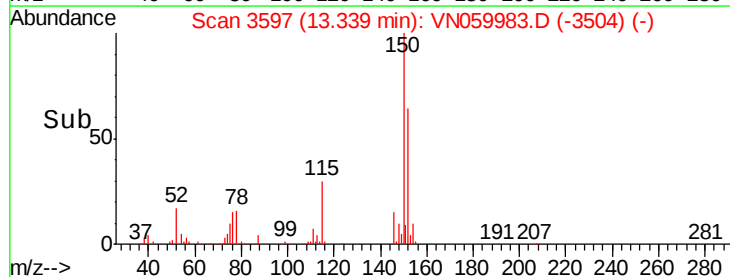
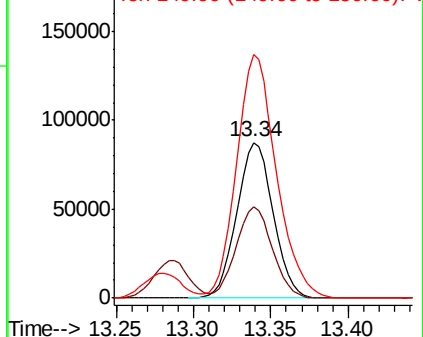
150 171.8 0.0 345.2

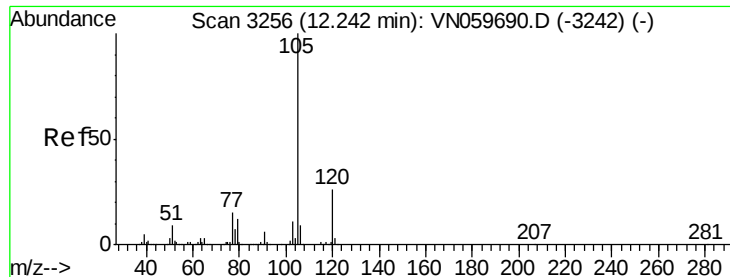


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.233 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

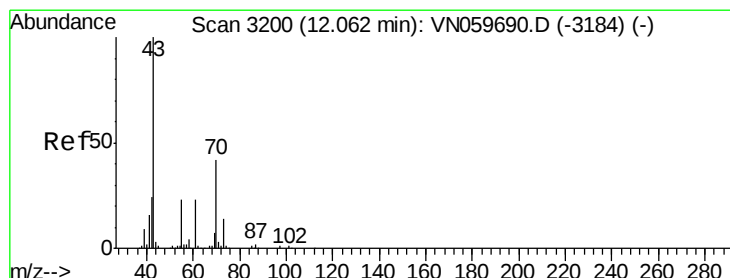
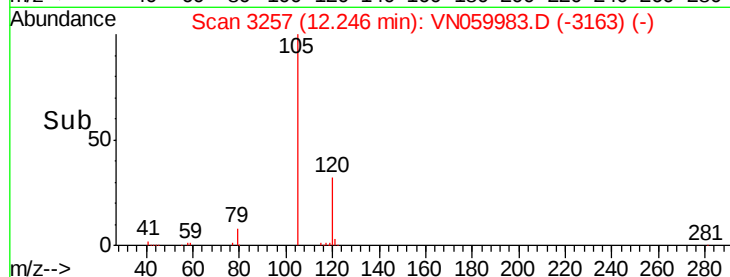
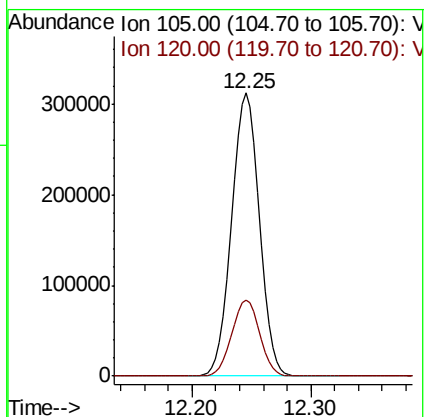
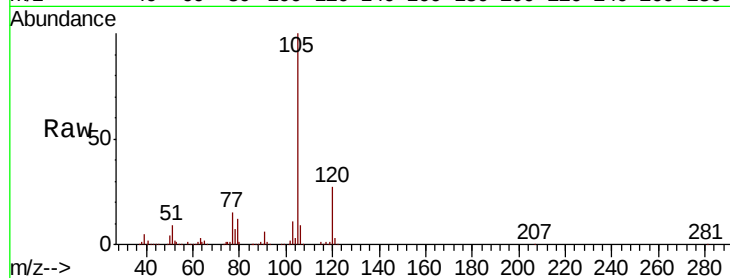
ClientSampleId :

Tot Ion:105 Resp: 503976

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.5



#74

N-ethyl acetate

Concen: 51.132 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Tgt Ion: 43 Resp: 207311

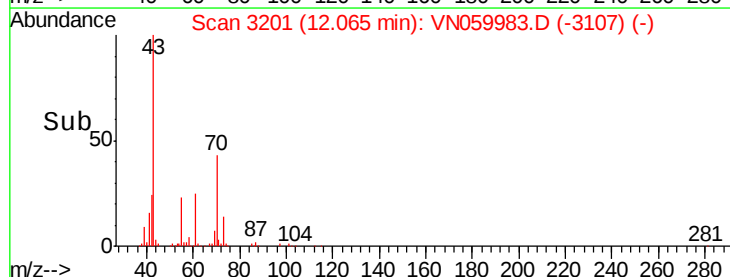
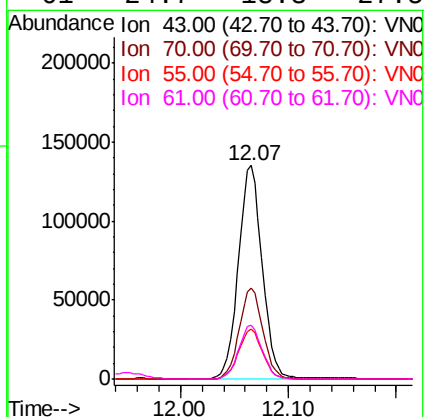
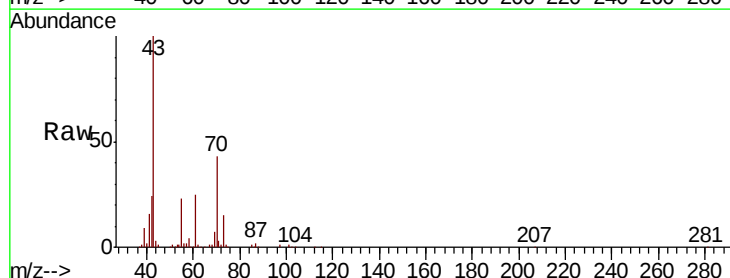
Ion Ratio Lower Upper

43 100

70 42.4 31.3 46.9

55 23.6 19.8 29.6

61 24.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.886 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

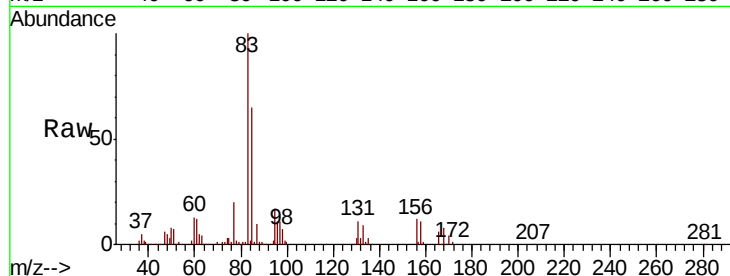
Tot Ion: 83 Resp: 160196

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

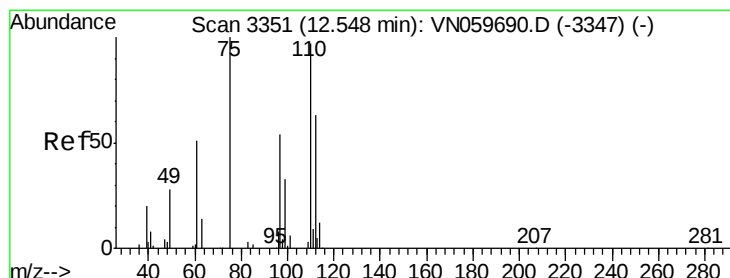
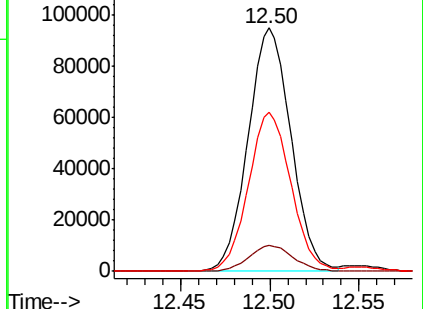
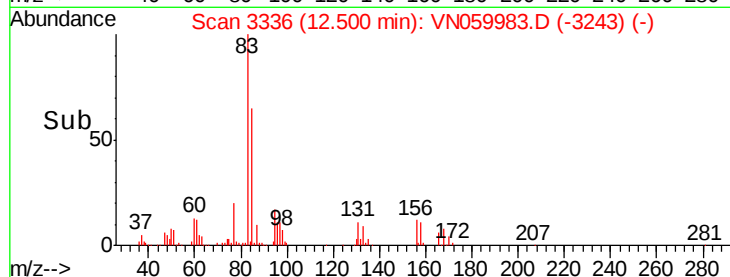
85 64.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059983.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059983.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059983.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 89.026 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059983.D

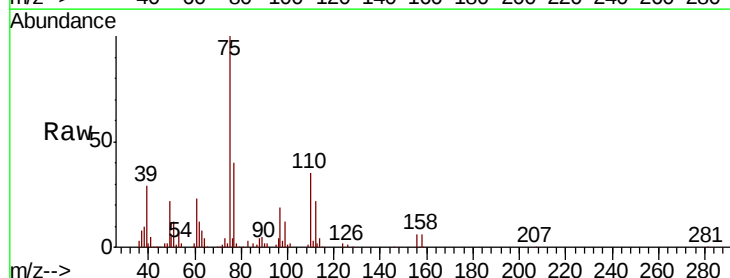
Acq: 3 Feb 2020 18:27

Tgt Ion: 75 Resp: 213455

Ion Ratio Lower Upper

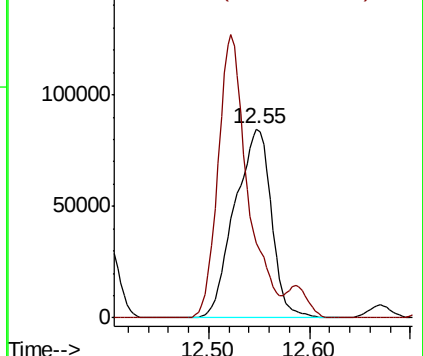
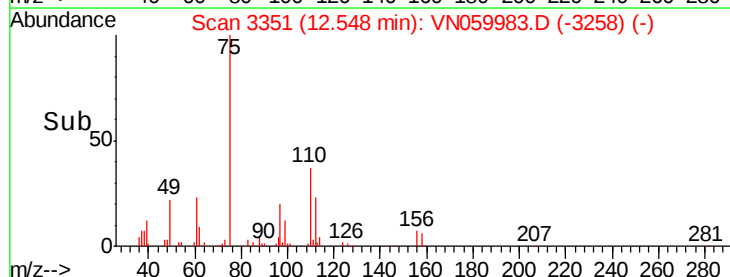
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059983.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059983.D (-3258) (-)





#77

Bromobenzene

Concen: 49.867 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

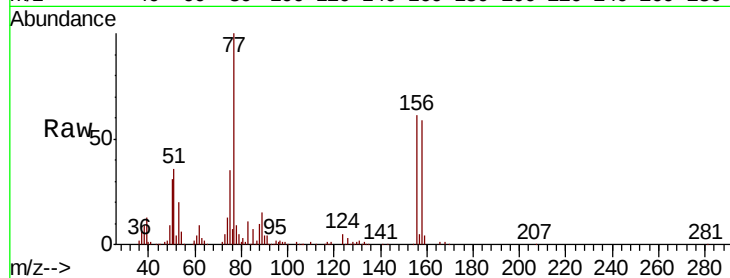
Tot Ion:156 Resp: 131951

Ion Ratio Lower Upper

156 100

77 196.5 115.8 347.4

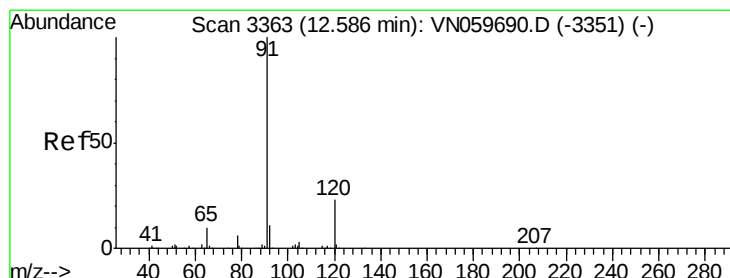
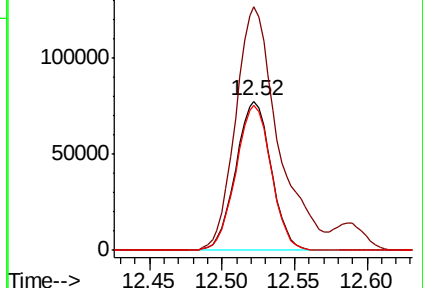
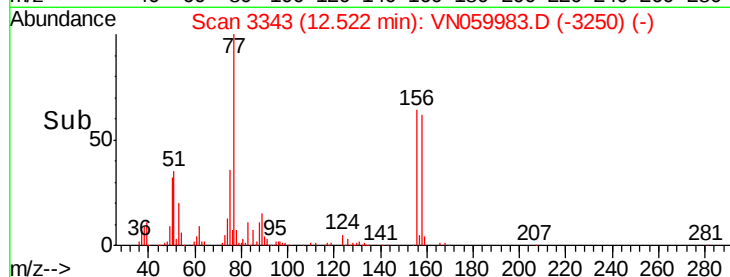
158 96.7 49.2 147.6



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: 48.591 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059983.D

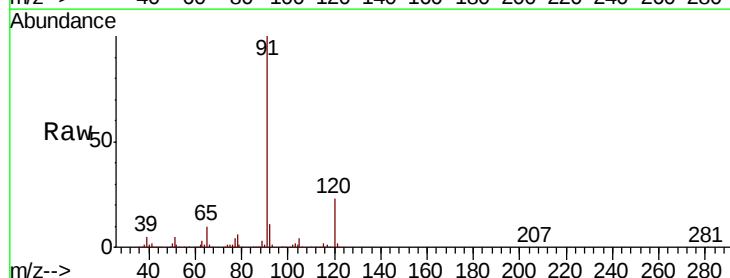
Acq: 3 Feb 2020 18:27

Tgt Ion: 91 Resp: 569858

Ion Ratio Lower Upper

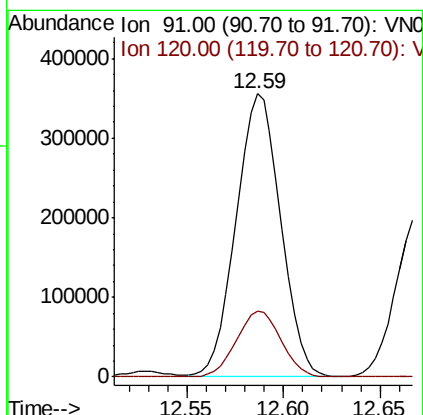
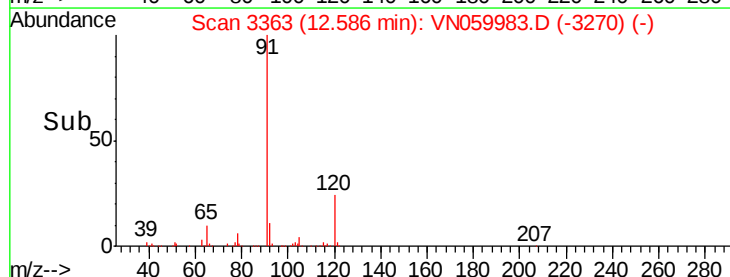
91 100

120 23.4 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: 48.596 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

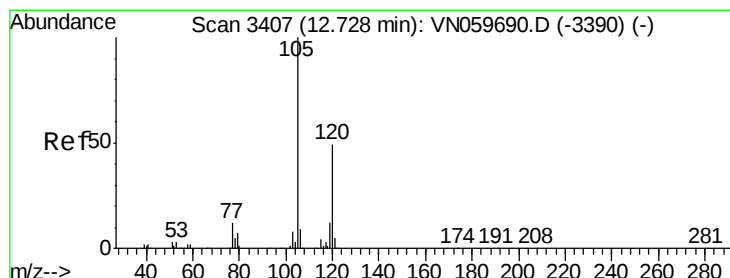
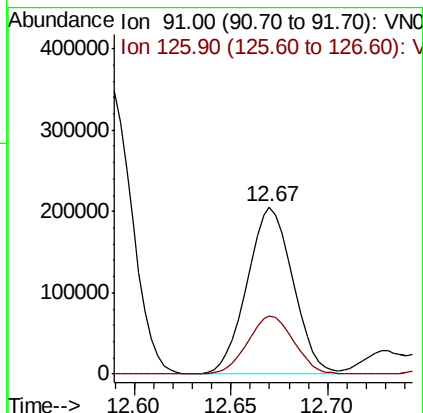
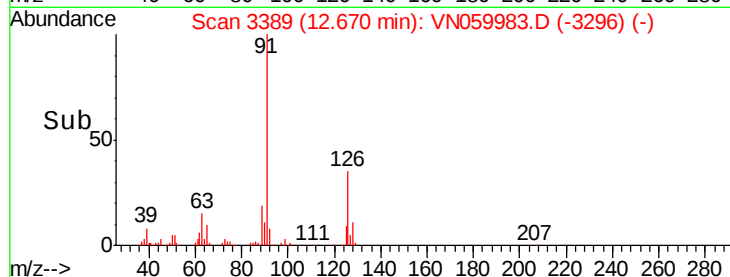
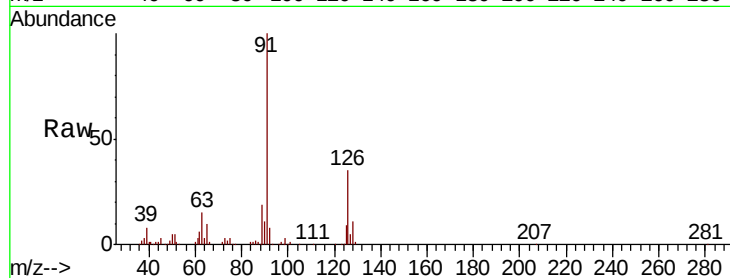
ClientSampleId :

Tot Ion: 91 Resp: 339046

Ion Ratio Lower Upper

91 100

126 34.9 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 47.753 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059983.D

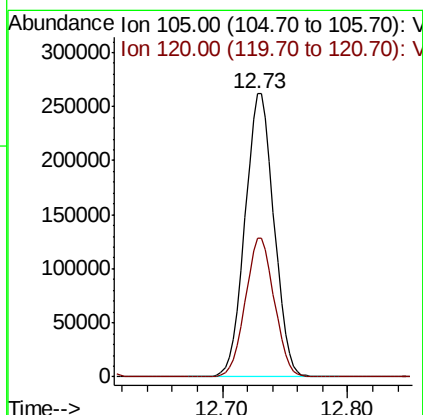
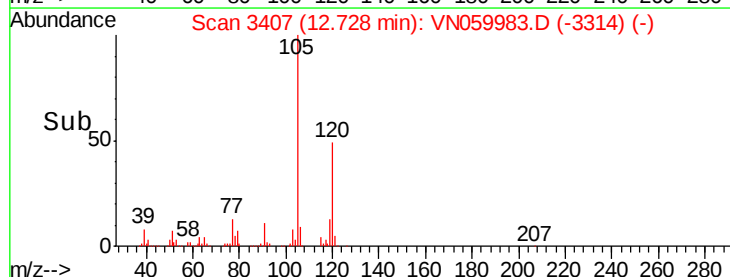
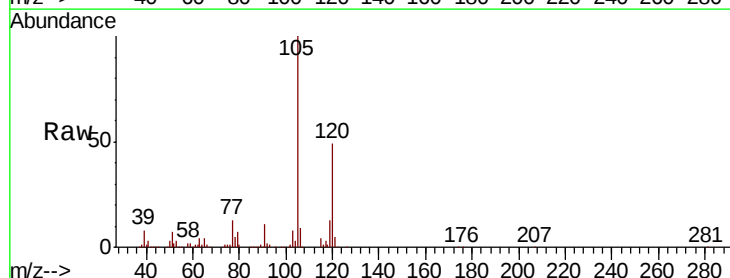
Acq: 3 Feb 2020 18:27

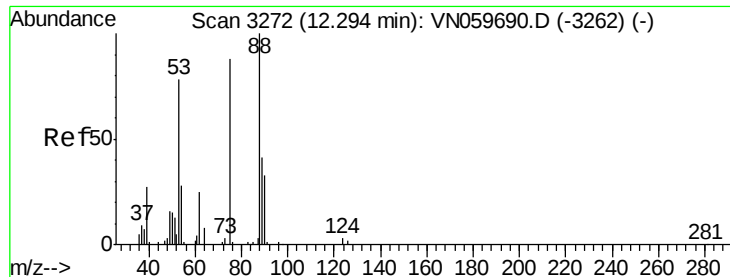
Tgt Ion: 105 Resp: 419630

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.610 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

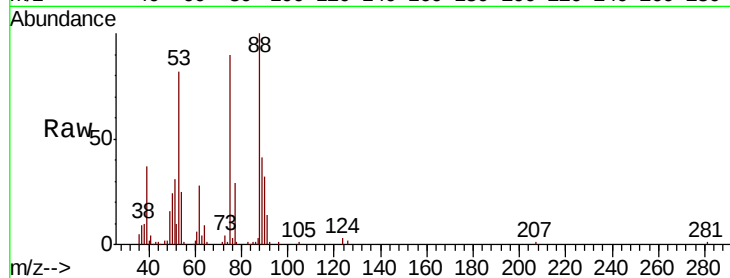
Tot Ion: 75 Resp: 58738

Ion Ratio Lower Upper

75 100

53 92.0 78.1 117.1

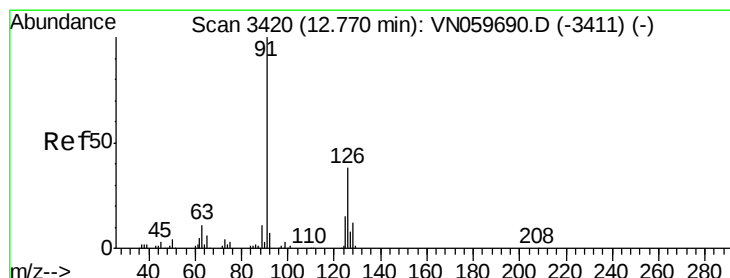
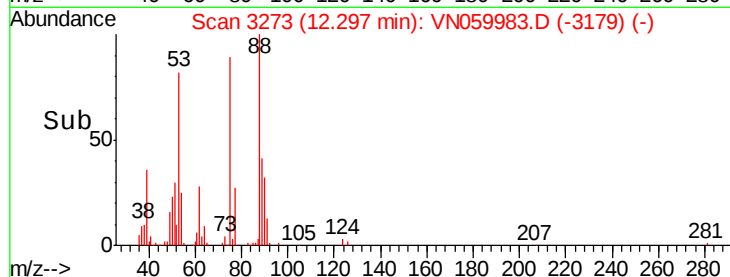
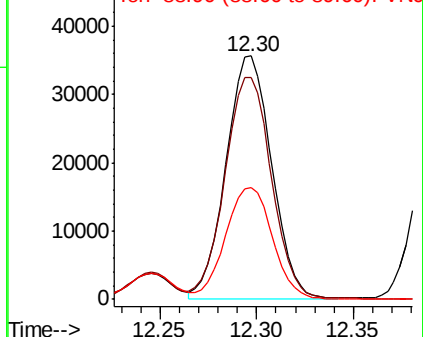
89 47.3 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.370 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059983.D

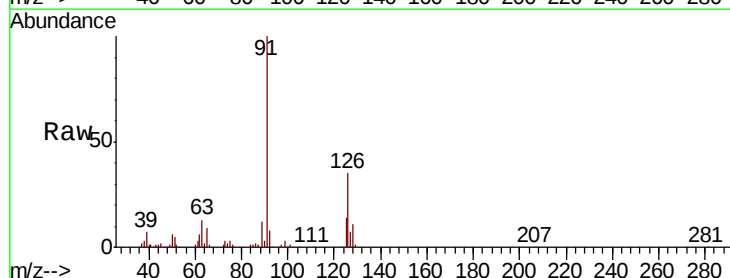
Acq: 3 Feb 2020 18:27

Tgt Ion: 91 Resp: 352480

Ion Ratio Lower Upper

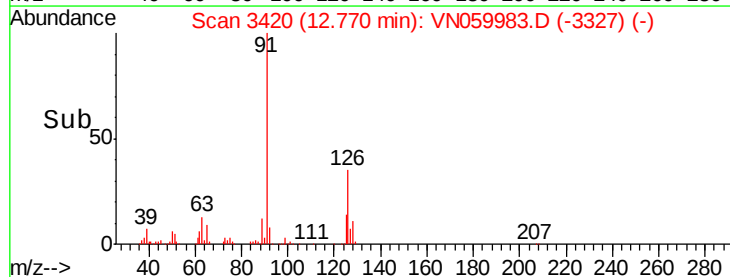
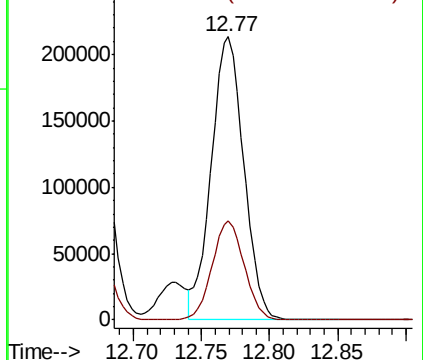
91 100

126 34.5 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

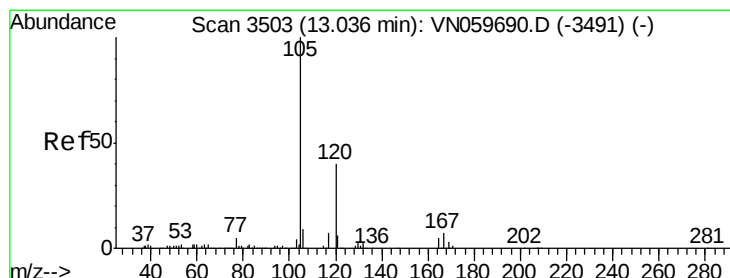
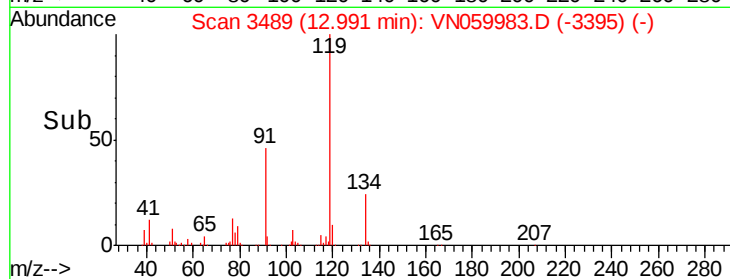
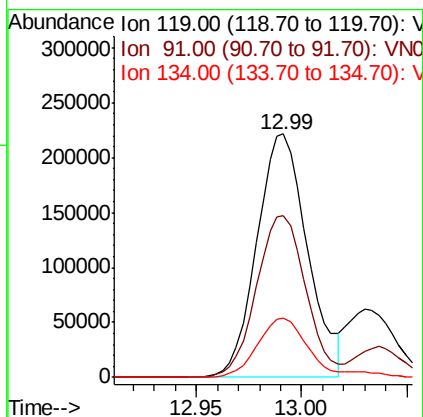
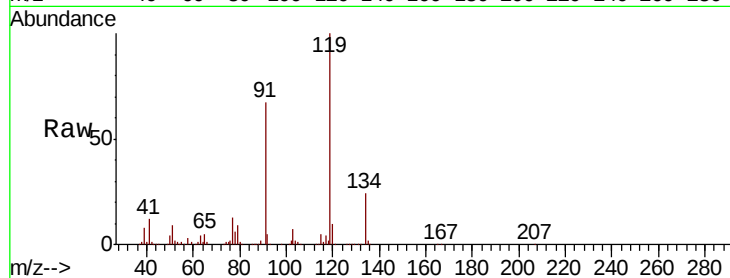




#83
 tert-Butylbenzene
 Concen: 48.821 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

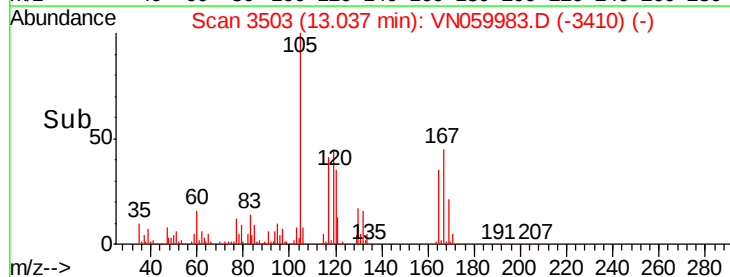
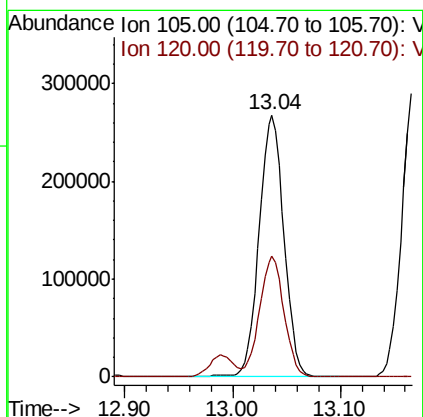
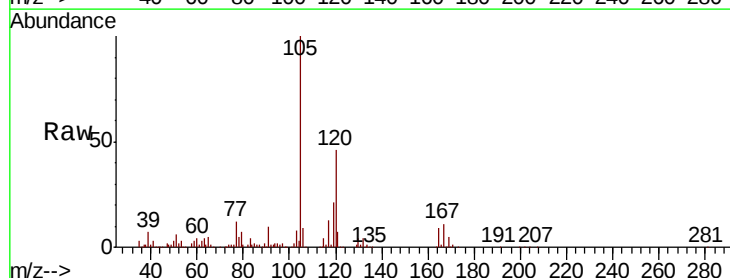
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 371042
 Ion Ratio Lower Upper
 119 100
 91 64.4 34.8 104.4
 134 25.3 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.006 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059983.D
 Acq: 3 Feb 2020 18:27

Tgt Ion:105 Resp: 426033
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 48.464 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

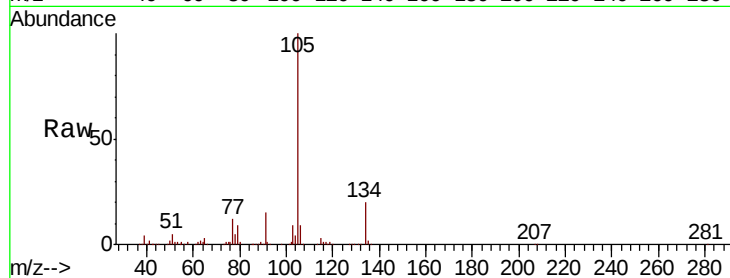
ClientSampleId :

Tot Ion:105 Resp: 483923

Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

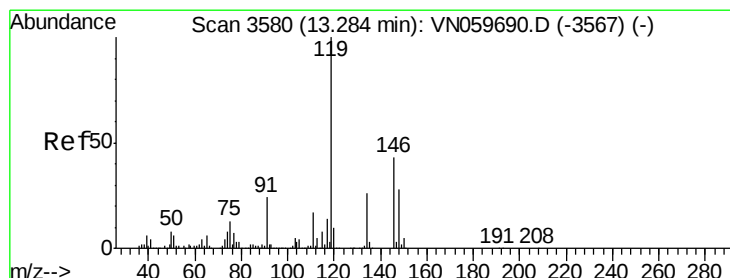
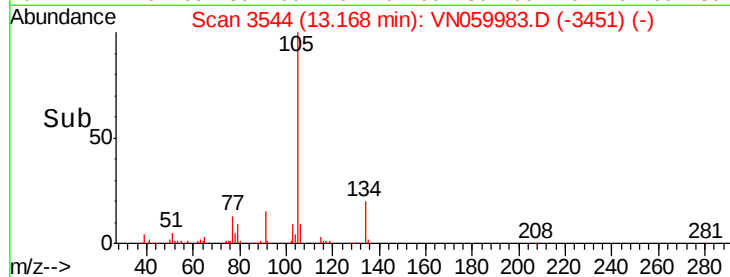
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.451 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

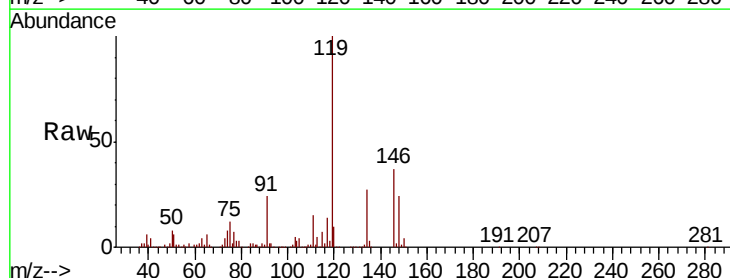
Tgt Ion:119 Resp: 447653

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

91 23.5 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

13.29

400000

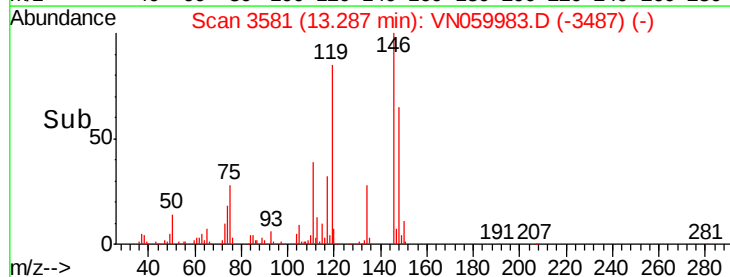
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.432 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampled :

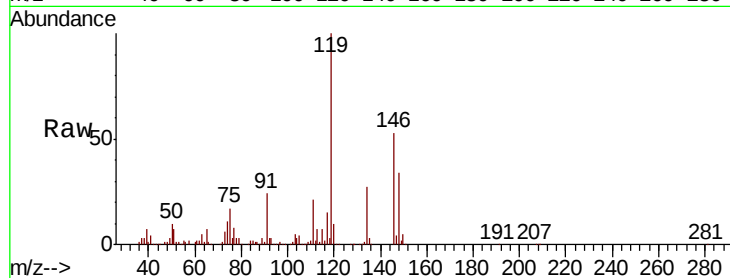
Tot Ion:146 Resp: 231803

Ion Ratio Lower Upper

146 100

111 39.3 20.8 62.2

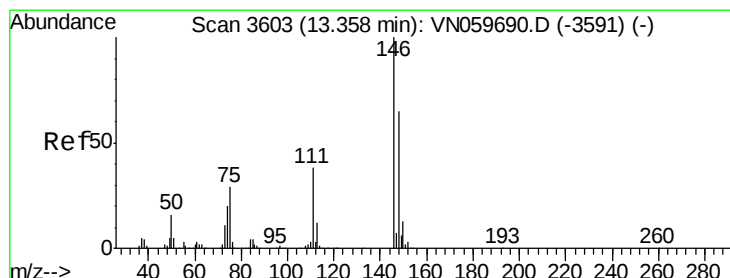
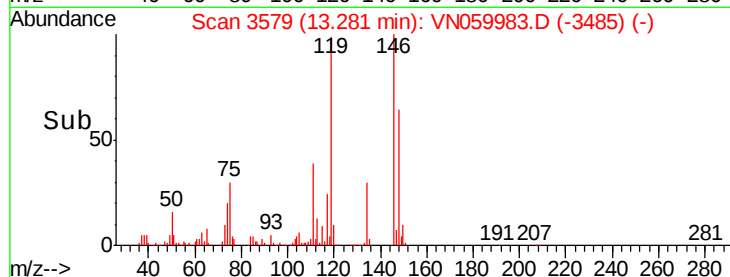
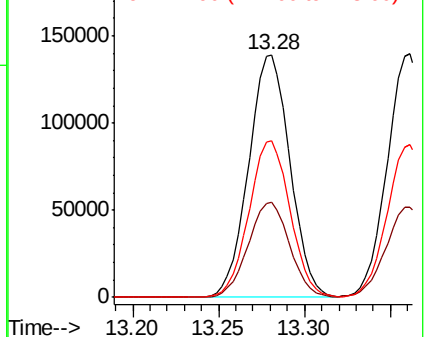
148 64.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.702 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

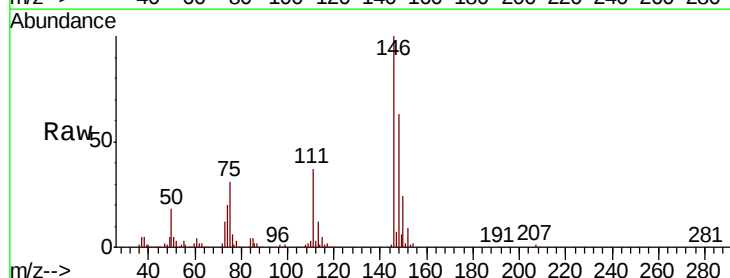
Tgt Ion:146 Resp: 232484

Ion Ratio Lower Upper

146 100

111 37.9 20.8 62.2

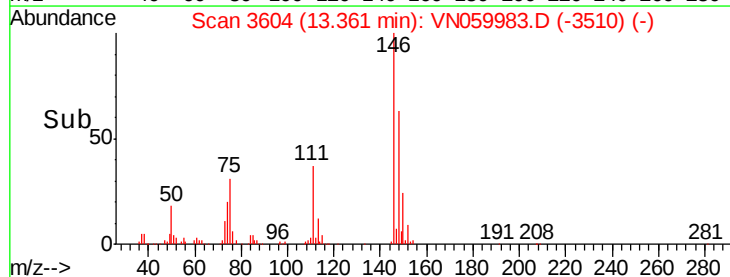
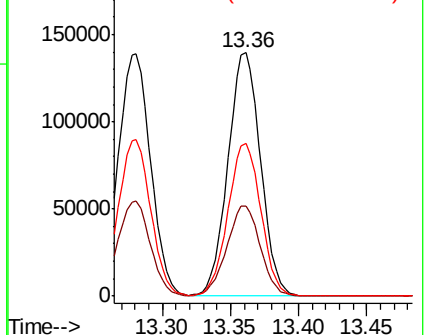
148 63.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.681 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampled :

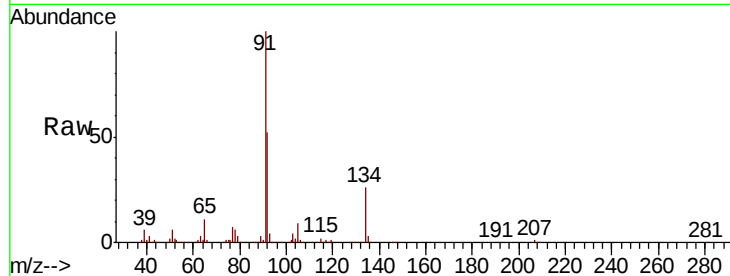
Tot Ion: 91 Resp: 391376

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.7

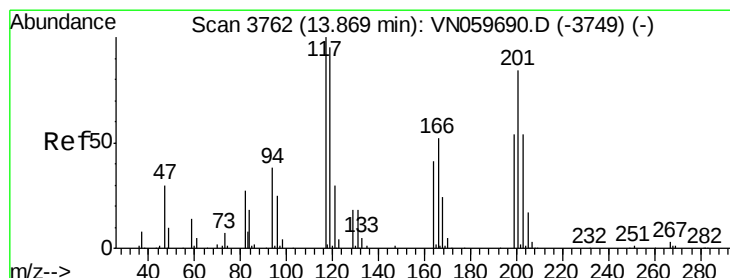
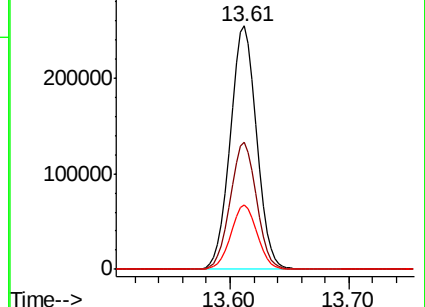
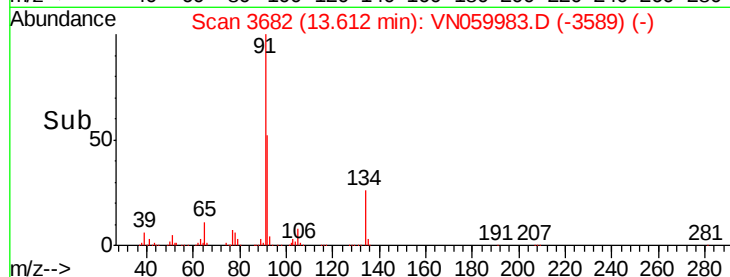
134 26.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059983.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059983.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059983.D (-3669) (-)



#90

Hexachloroethane

Concen: 48.263 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059983.D

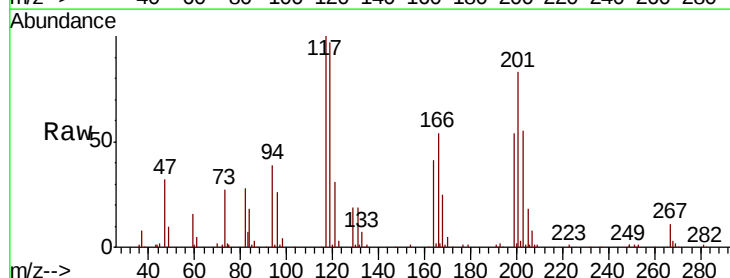
Acq: 3 Feb 2020 18:27

Tgt Ion: 117 Resp: 83432

Ion Ratio Lower Upper

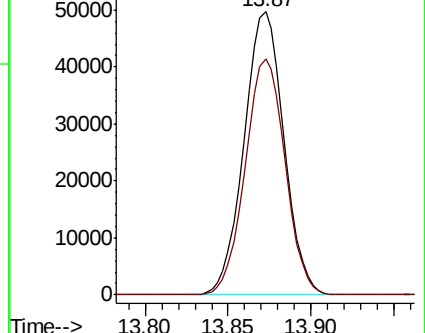
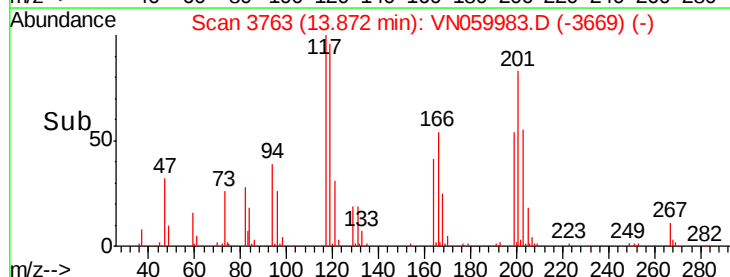
117 100

201 83.2 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059983.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059983.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 50.136 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

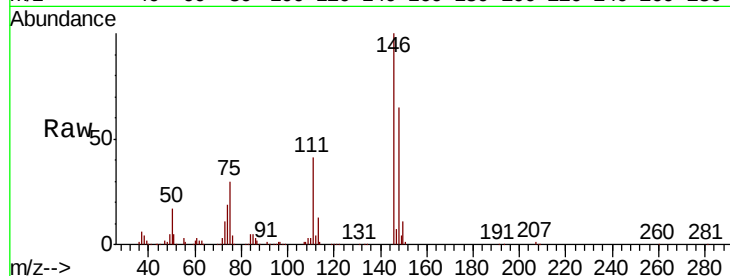
Tot Ion:146 Resp: 227818

Ion Ratio Lower Upper

146 100

111 40.1 21.6 64.8

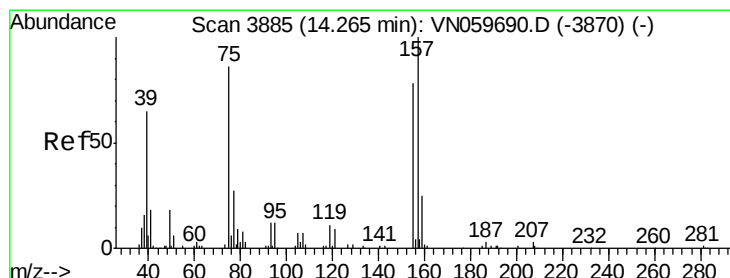
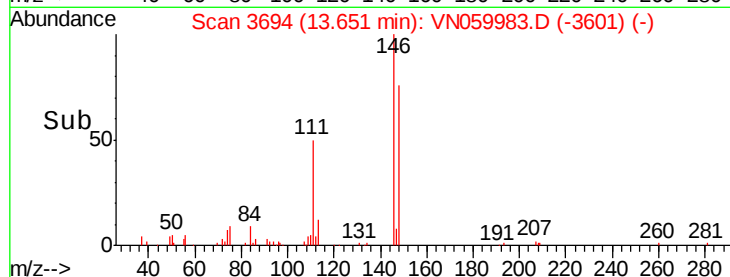
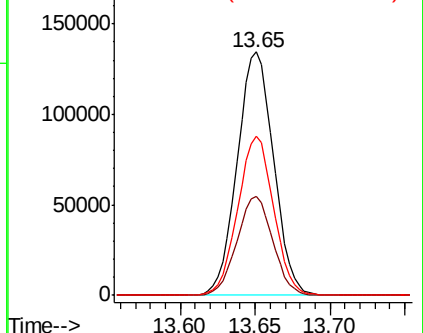
148 64.4 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.485 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

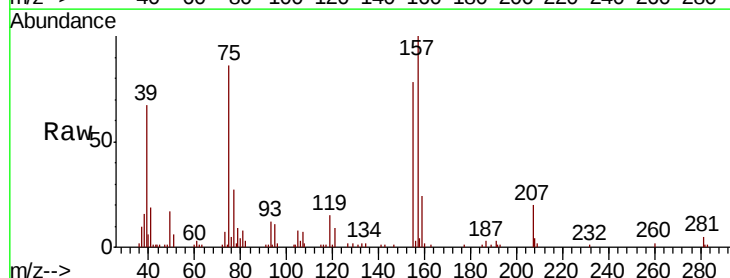
Tgt Ion: 75 Resp: 35302

Ion Ratio Lower Upper

75 100

155 86.2 37.0 110.9

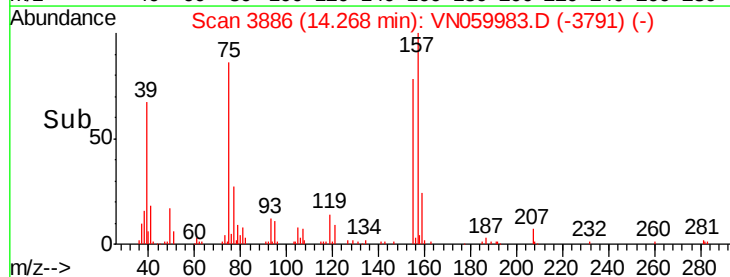
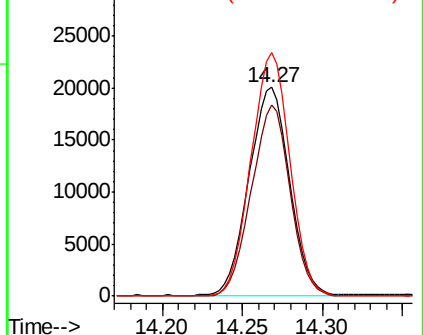
157 110.5 48.4 145.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 51.759 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

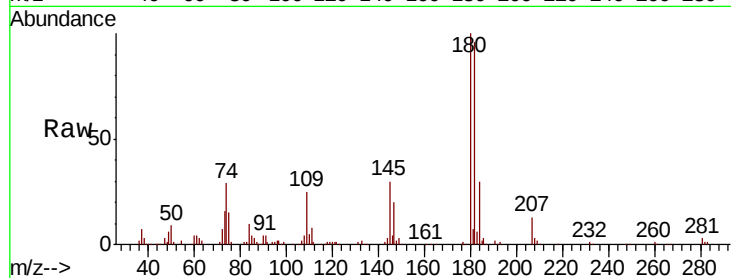
Tot Ion:180 Resp: 141322

Ion Ratio Lower Upper

180 100

182 96.6 46.9 140.7

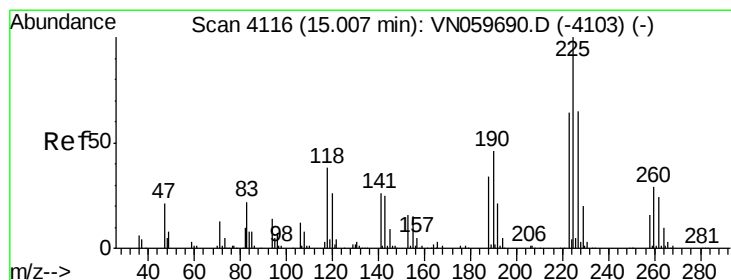
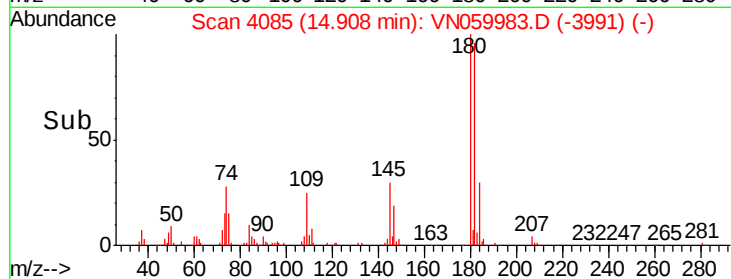
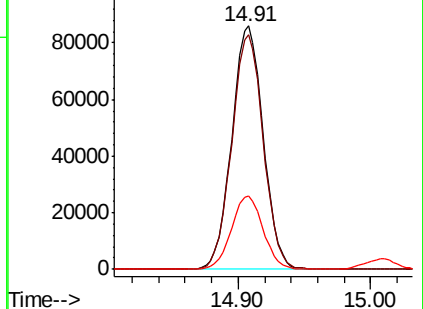
145 30.5 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 47.529 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

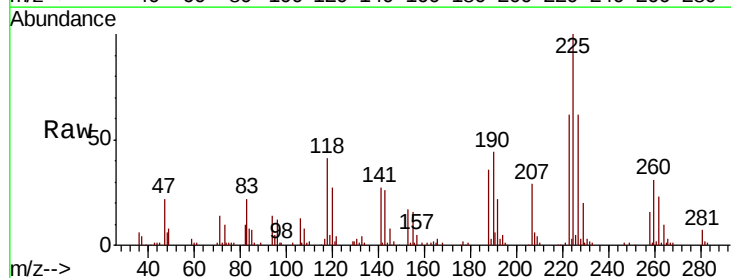
Tgt Ion:225 Resp: 71513

Ion Ratio Lower Upper

225 100

223 61.8 31.8 95.3

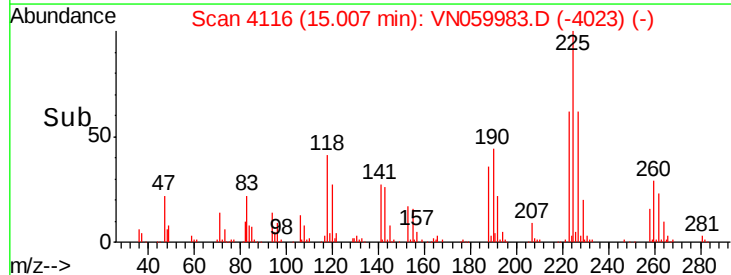
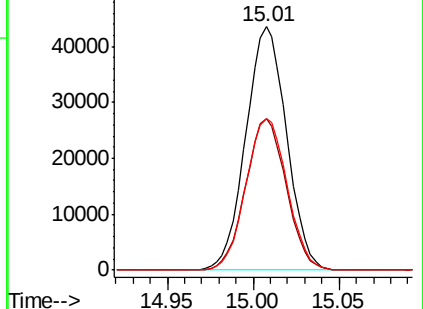
227 63.2 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.156 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

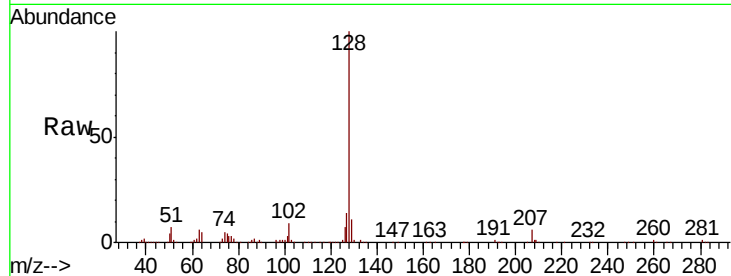
Tot Ion:128 Resp: 405054

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

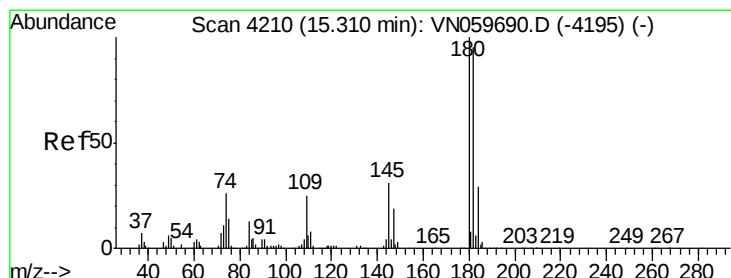
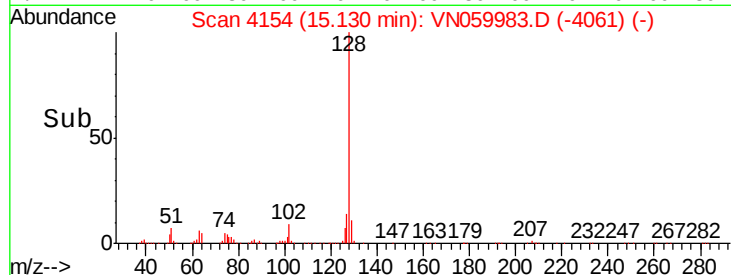
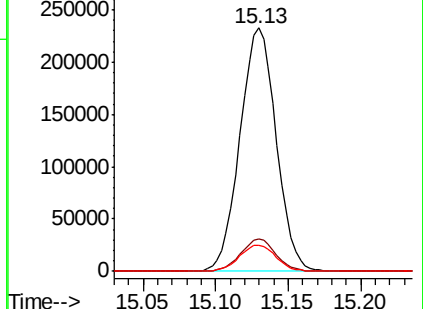
129 11.0 8.6 12.8



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: 51.713 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059983.D

Acq: 3 Feb 2020 18:27

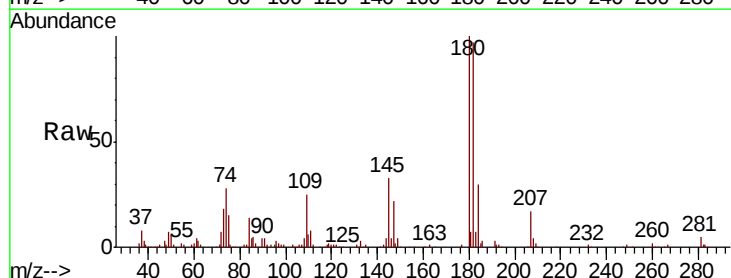
Tgt Ion:180 Resp: 137435

Ion Ratio Lower Upper

180 100

182 95.6 47.4 142.3

145 31.9 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

