

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059813.D
 Acq On : 21 Jan 2020 17:11
 Operator : JC/MD
 Sample : VN0121MBS03
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 02:47:49 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	200644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307909	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	111703	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.56	113	94666	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.08	98	356689	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	125843	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	45875	19.069	ug/l	99
3) Chloromethane	2.04	50	42416	18.465	ug/l	99
4) Vinyl Chloride	2.17	62	53821	20.478	ug/l	98
5) Bromomethane	2.55	94	32975	20.558	ug/l	97
6) Chloroethane	2.69	64	24993	20.100	ug/l	98
7) Trichlorofluoromethane	3.00	101	64985	20.588	ug/l	99
8) Diethyl Ether	3.38	74	22528	20.337	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37494	21.343	ug/l	92
10) Methyl Iodide	3.93	142	55427	19.519	ug/l	95
11) Tert butyl alcohol	4.73	59	38099	101.569	ug/l	96
12) 1,1-Dichloroethene	3.71	96	35859	19.534	ug/l	88
13) Acrolein	3.58	56	16155	60.841	ug/l	100
14) Allyl chloride	4.29	41	46990	18.991	ug/l #	85
15) Acrylonitrile	4.94	53	85833	100.314	ug/l	99
16) Acetone	3.78	43	80329	99.680	ug/l	94
17) Carbon Disulfide	4.03	76	95699	18.301	ug/l	100
18) Methyl Acetate	4.29	43	51725	19.874	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	122287	20.432	ug/l	94
20) Methylene Chloride	4.52	84	41032	19.566	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	37861	19.403	ug/l	88
22) Diisopropyl ether	5.91	45	111398	19.867	ug/l #	90
23) Vinyl Acetate	5.86	43	427873	98.558	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	67370	19.664	ug/l	97
25) 2-Butanone	6.80	43	115581	91.599	ug/l #	89
26) 2,2-Dichloropropane	6.80	77	65095	19.763	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	45259	20.166	ug/l	88
28) Bromochloromethane	7.17	49	27442	20.040	ug/l #	69
29) Tetrahydrofuran	7.18	42	73172	93.725	ug/l #	86
30) Chloroform	7.35	83	72836	20.518	ug/l	98
31) Cyclohexane	7.63	56	61075	18.526	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	67142	20.456	ug/l	96
36) 1,1-Dichloropropene	7.77	75	52700	19.654	ug/l	95
37) Ethyl Acetate	6.89	43	49070	19.512	ug/l	98
38) Carbon Tetrachloride	7.75	117	59264	20.318	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65270	19.742	ug/l	90
40) Benzene	8.02	78	158815	19.860	ug/l	99
41) Methacrylonitrile	7.18	41	68595	55.375	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	56432	20.813	ug/l	96
43) Isopropyl Acetate	8.14	43	81153	18.761	ug/l #	93
44) Trichloroethene	8.82	130	46135	21.133	ug/l	93
45) 1,2-Dichloropropane	9.10	63	40582	20.508	ug/l	100
46) Dibromomethane	9.19	93	28708	20.566	ug/l	91
47) Bromodichloromethane	9.39	83	58236	20.703	ug/l	99
48) Methyl methacrylate	9.18	41	35759	18.481	ug/l	89
49) 1,4-Dioxane	9.18	88	15518	438.103	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	237395	94.936	ug/l	95
52) Toluene	10.14	92	101950	20.183	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	62881	20.020	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	67670	20.476	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	42045	21.017	ug/l	96
56) Ethyl methacrylate	10.42	69	57972	18.964	ug/l	93
57) 1,3-Dichloropropane	10.70	76	65001	20.465	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	96332	104.625	ug/l	91
59) 2-Hexanone	10.74	43	173943	94.422	ug/l	95
60) Dibromochloromethane	10.89	129	47271	20.750	ug/l	99
61) 1,2-Dibromoethane	10.99	107	42760	20.393	ug/l	100
64) Tetrachloroethene	10.62	164	45902	20.468	ug/l	95
65) Chlorobenzene	11.43	112	112576	20.815	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	44248	21.173	ug/l	99
67) Ethyl Benzene	11.50	91	198586	20.227	ug/l	97
68) m/p-Xylenes	11.62	106	151858	40.946	ug/l	93
69) o-Xylene	11.94	106	74626	20.553	ug/l	93
70) Styrene	11.96	104	119283	19.633	ug/l	97
71) Bromoform	12.12	173	34857	20.823	ug/l #	98
73) Isopropylbenzene	12.24	105	201042	21.180	ug/l	99
74) N-amyl acetate	12.07	43	68068	18.481	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	55123	20.032	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	74501	34.205	ug/l #	100
77) Bromobenzene	12.52	156	50387	20.962	ug/l	80
78) n-propylbenzene	12.59	91	217333	20.400	ug/l	96
79) 2-Chlorotoluene	12.67	91	129386	20.415	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	165709	20.758	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20228	19.944	ug/l	93
82) 4-Chlorotoluene	12.77	91	131175	20.635	ug/l	96
83) tert-Butylbenzene	12.99	119	143554	20.793	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	164183	20.789	ug/l	99
85) sec-Butylbenzene	13.17	105	187118	20.628	ug/l	98
86) p-Isopropyltoluene	13.28	119	171925	20.484	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	86791	20.786	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	86827	20.845	ug/l	98
89) n-Butylbenzene	13.61	91	143399	20.038	ug/l	99
90) Hexachloroethane	13.87	117	31664	20.163	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	85693	20.760	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11914	18.872	ug/l	81

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50063	20.184	ug/l	98
94) Hexachlorobutadiene	15.01	225	27785	20.328	ug/l	98
95) Naphthalene	15.13	128	136719	19.379	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49858	20.651	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

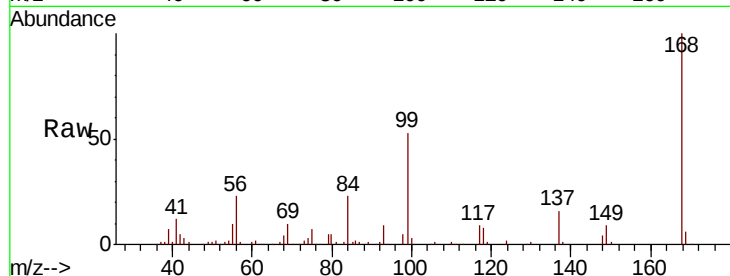
ClientSampled :

Tot Ion:168 Resp: 200644

Ion Ratio Lower Upper

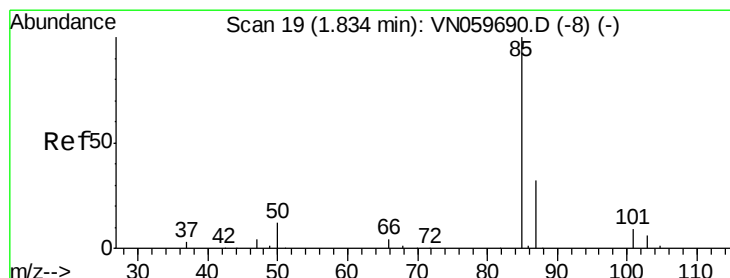
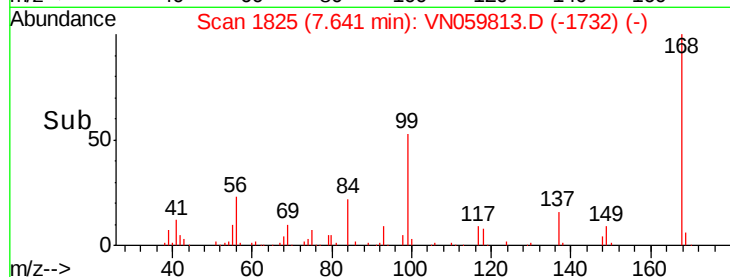
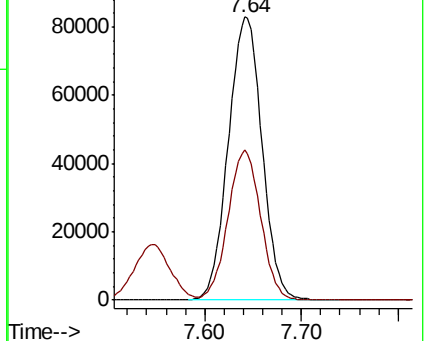
168 100

99 53.1 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: 19.069 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059813.D

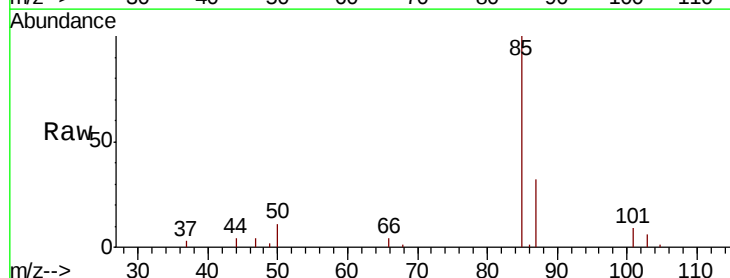
Acq: 21 Jan 2020 17:11

Tgt Ion: 85 Resp: 45875

Ion Ratio Lower Upper

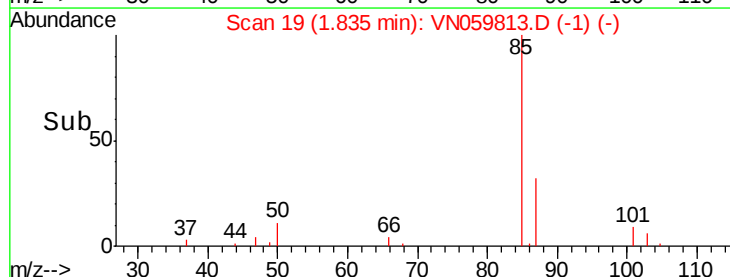
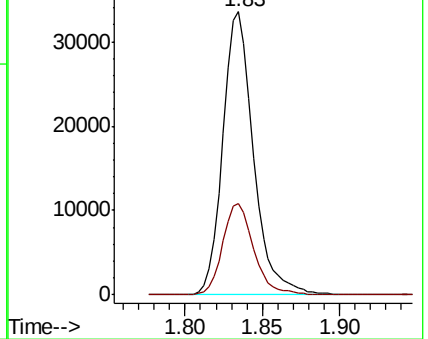
85 100

87 32.3 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: 18.465 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

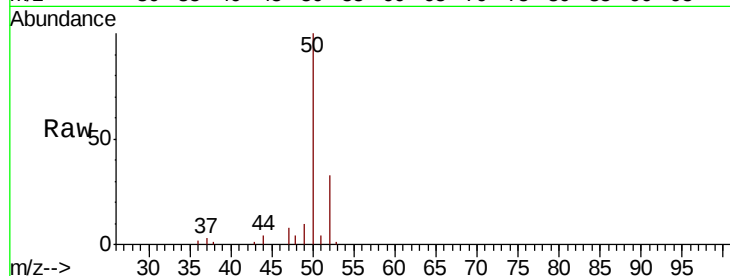
ClientSampleId :

Tot Ion: 50 Resp: 42416

Ion Ratio Lower Upper

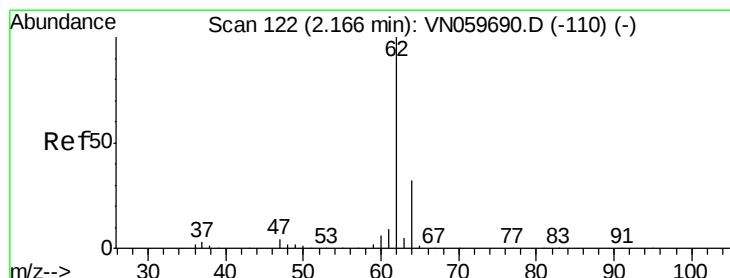
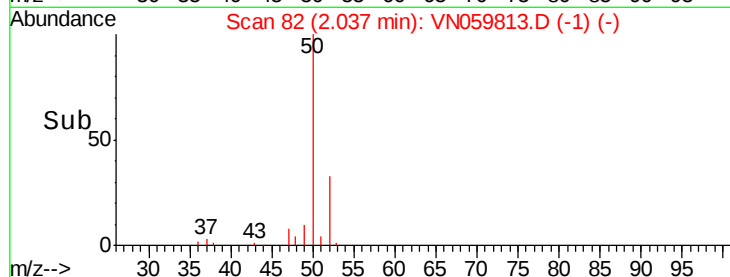
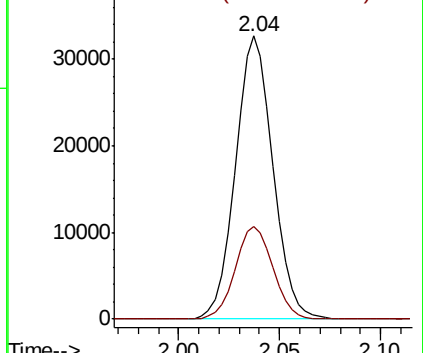
50 100

52 32.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.478 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059813.D

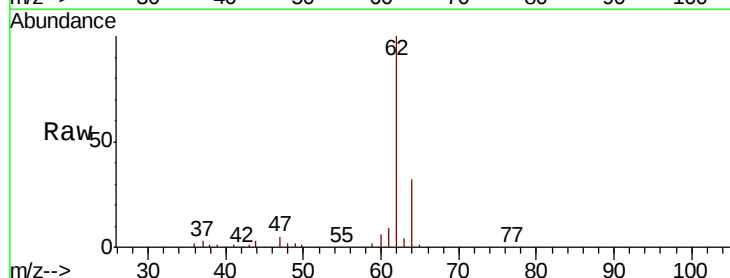
Acq: 21 Jan 2020 17:11

Tgt Ion: 62 Resp: 53821

Ion Ratio Lower Upper

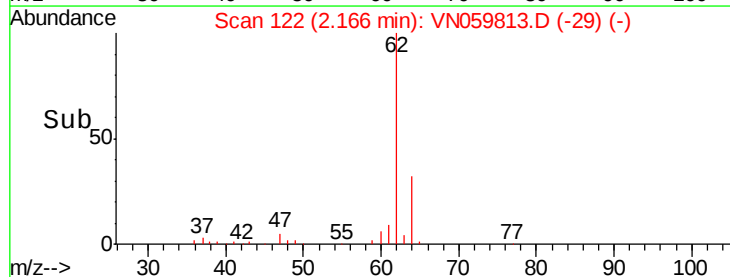
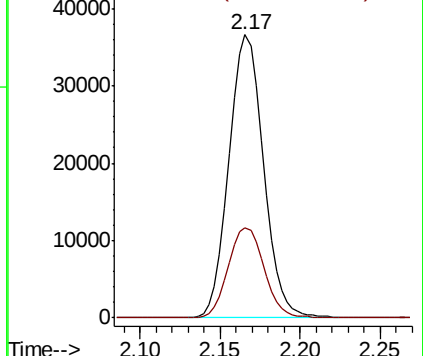
62 100

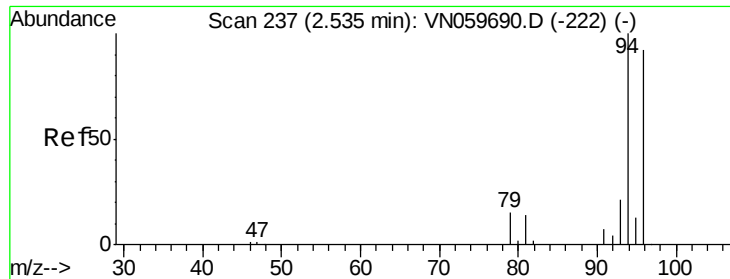
64 32.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

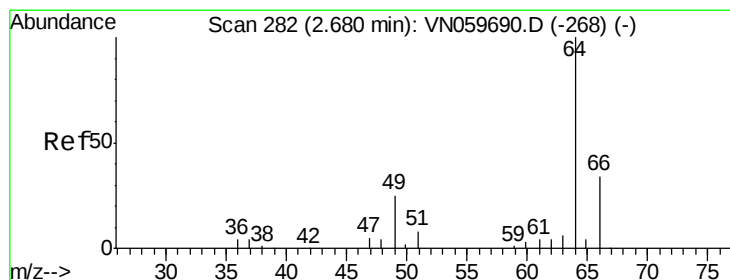
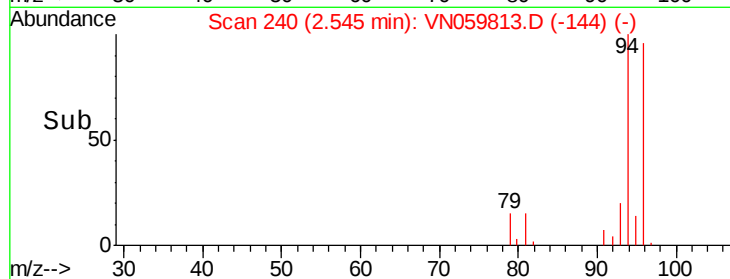
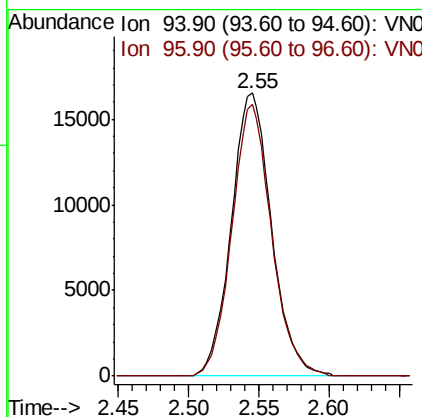
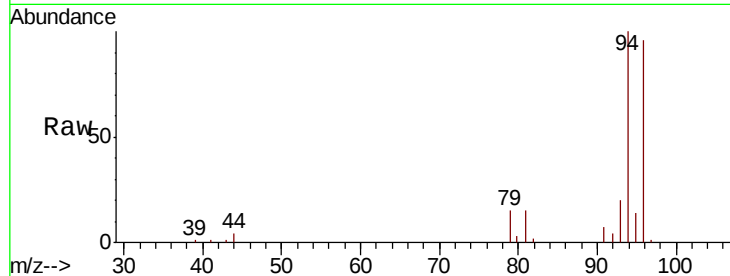




#5
Bromomethane
Concen: 20.558 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

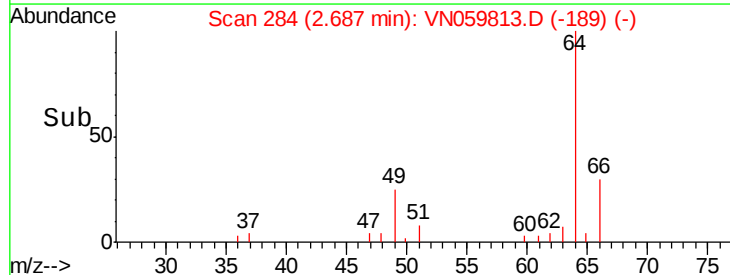
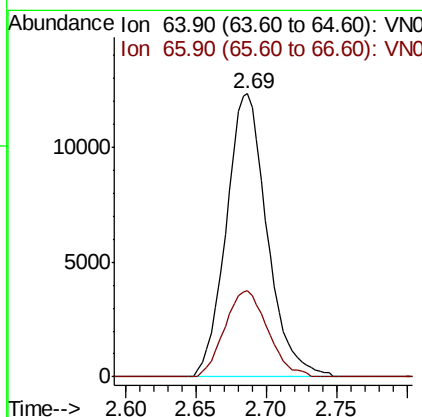
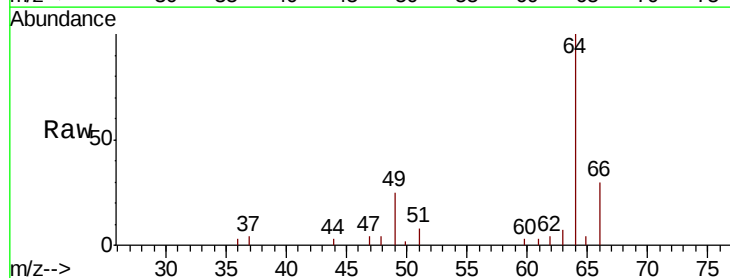
Instrument :
MSVOA_N
ClientSampleId :

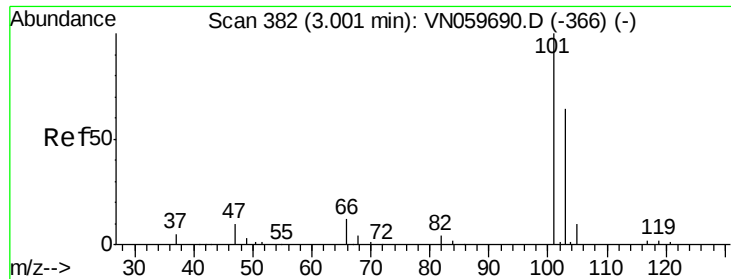
Tot Ion: 94 Resp: 32975
Ion Ratio Lower Upper
94 100
96 96.1 74.7 112.1



#6
Chloroethane
Concen: 20.100 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 64 Resp: 24993
Ion Ratio Lower Upper
64 100
66 30.4 25.1 37.7



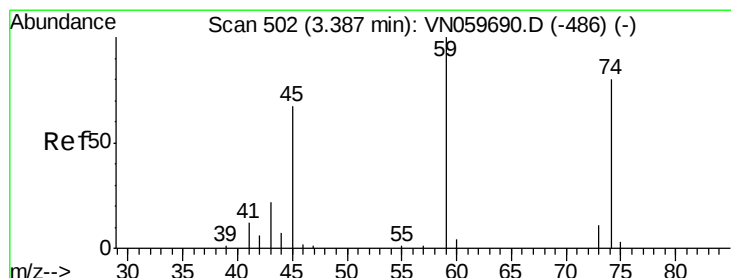
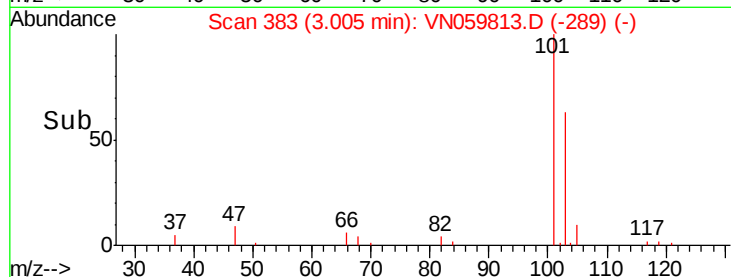
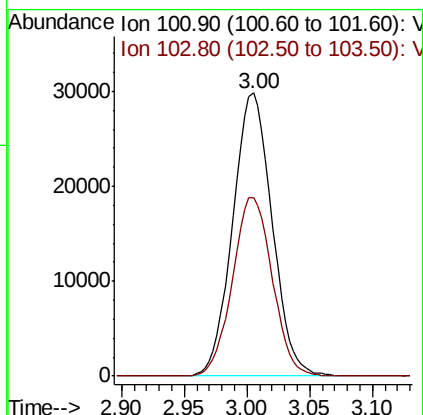
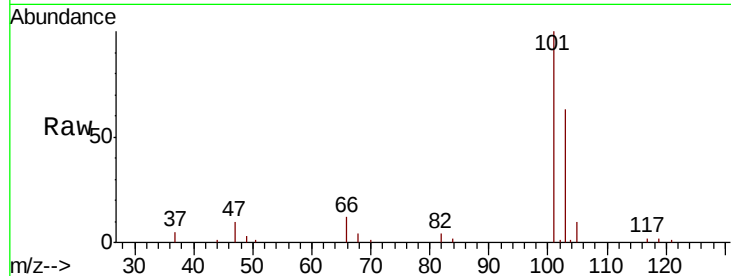


#7

Trichlorofluoromethane
Concen: 20.588 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :

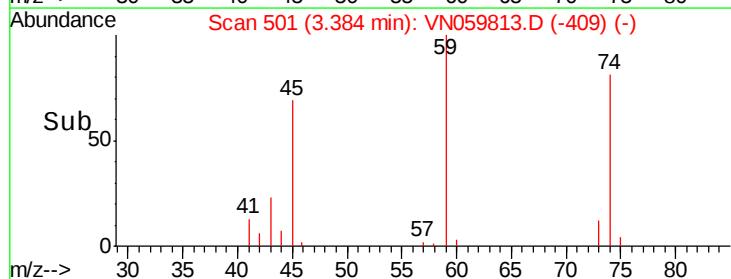
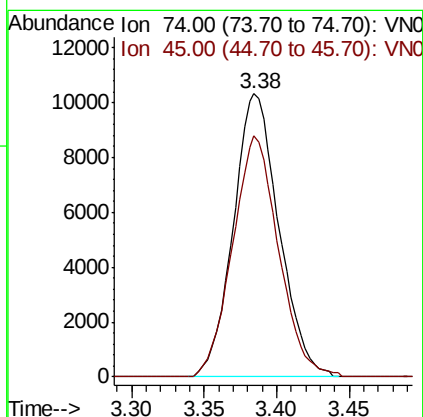
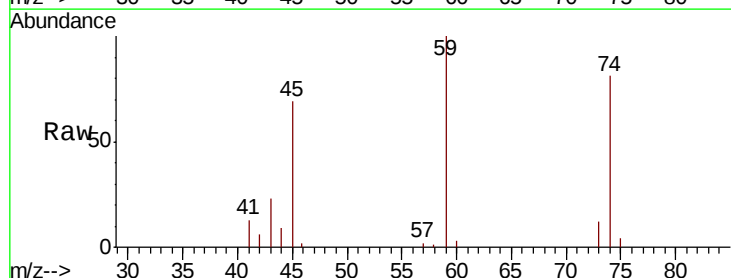
Tot Ion:101 Resp: 64985
Ion Ratio Lower Upper
101 100
103 62.9 51.0 76.6



#8

Diethyl Ether
Concen: 20.337 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 74 Resp: 22528
Ion Ratio Lower Upper
74 100
45 85.8 51.9 155.8

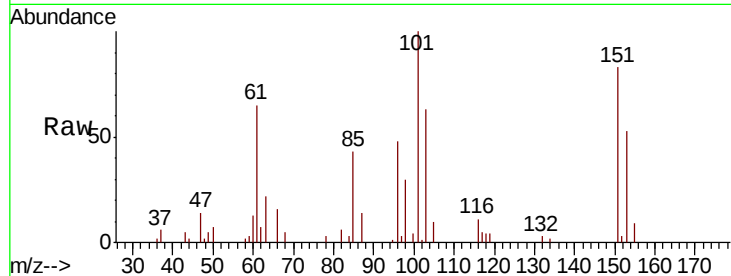




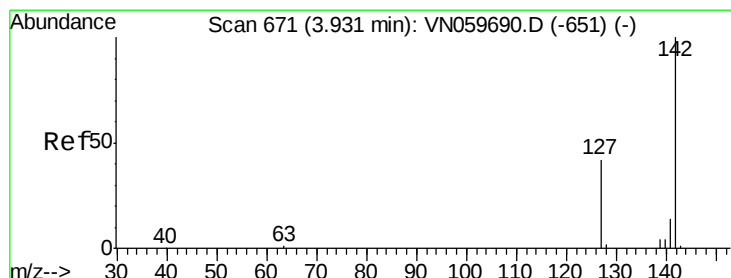
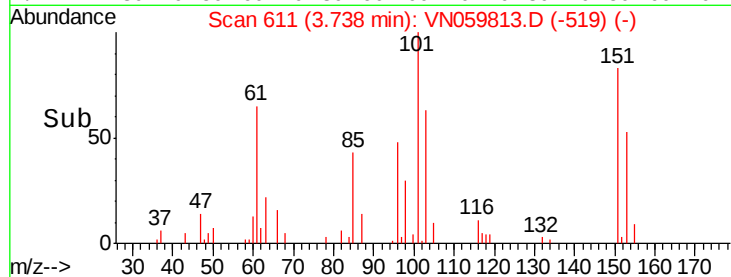
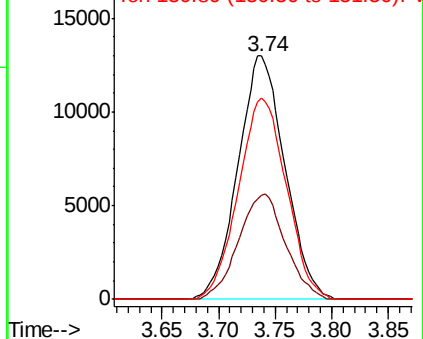
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.343 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 37494
 Ion Ratio Lower Upper
 101 100
 85 43.2 36.6 54.8
 151 84.1 59.7 89.5

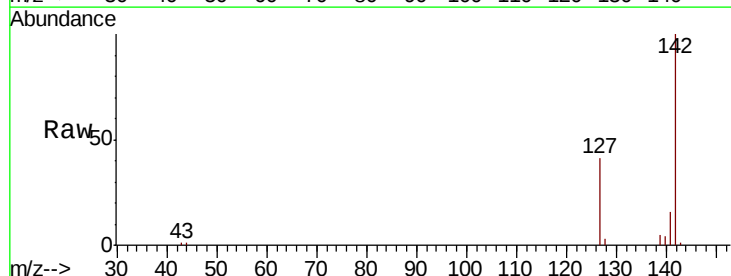


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

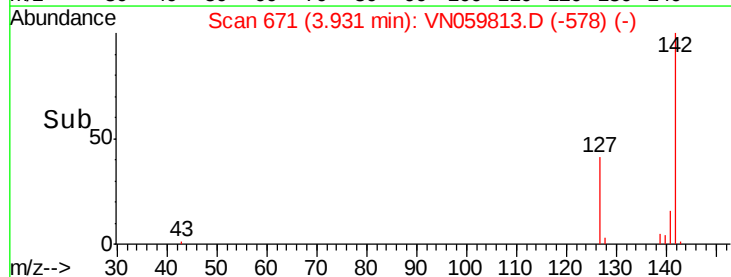
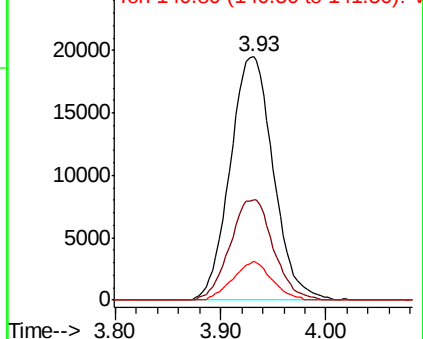


#10
 Methyl Iodide
 Concen: 19.519 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion:142 Resp: 55427
 Ion Ratio Lower Upper
 142 100
 127 41.4 36.7 55.1
 141 14.4 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

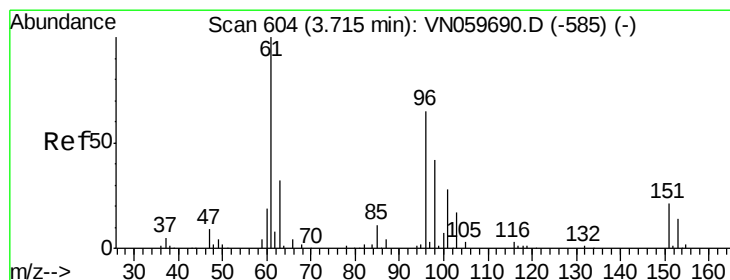
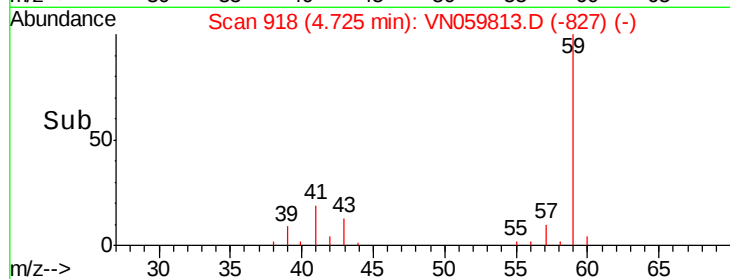
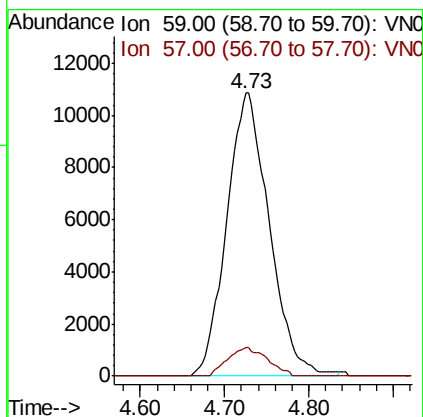
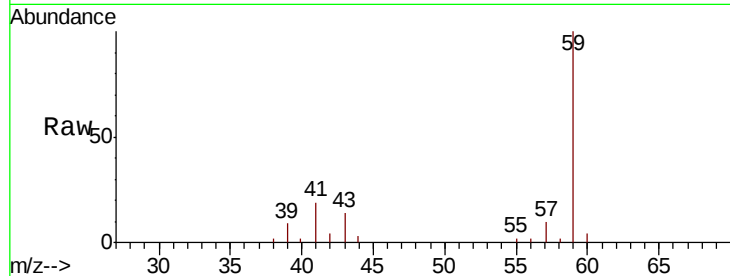




#11
Tert butyl alcohol
Concen: 101.569 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

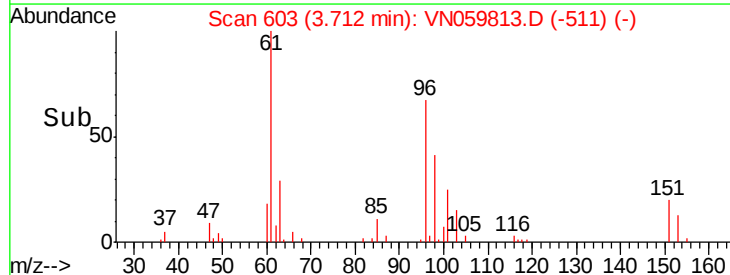
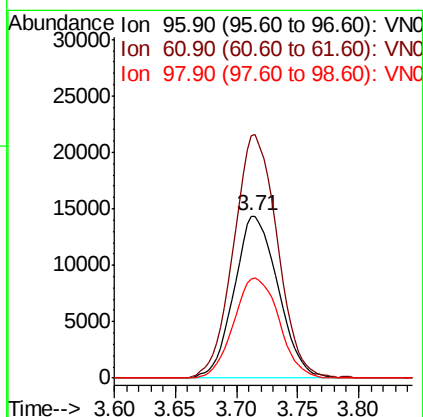
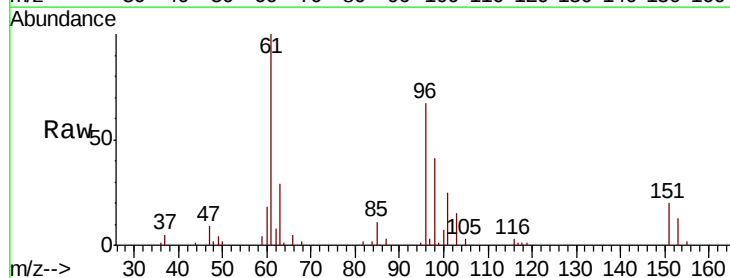
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 59 Resp: 38099
Ion Ratio Lower Upper
59 100
57 9.4 8.6 12.8



#12
1,1-Dichloroethene
Concen: 19.534 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 96 Resp: 35859
Ion Ratio Lower Upper
96 100
61 149.4 137.5 206.3
98 61.3 50.2 75.4





#13

Acrolein

Concen: 60.841 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

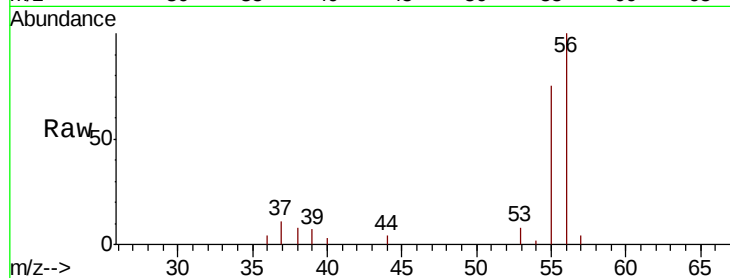
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 16155

Ion Ratio Lower Upper

56 100

55 72.9 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN059813.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN059813.D (-468) (-)

3.58

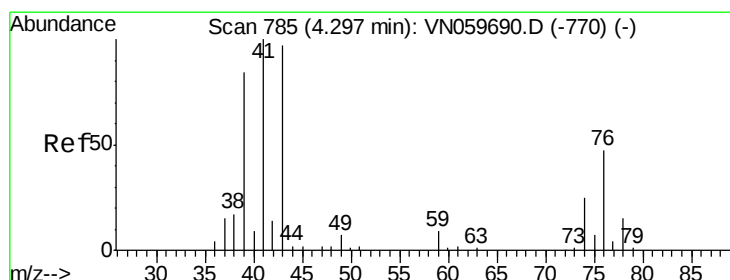
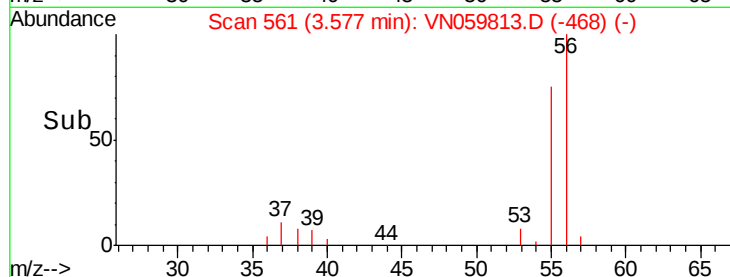
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 18.991 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

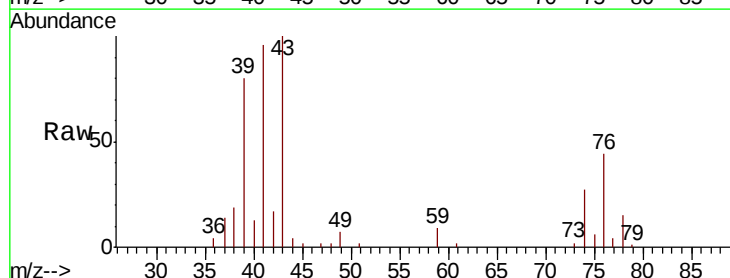
Tgt Ion: 41 Resp: 46990

Ion Ratio Lower Upper

41 100

39 81.3 57.8 86.8

76 44.8 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059813.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059813.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059813.D (-692) (-)

4.29

20000

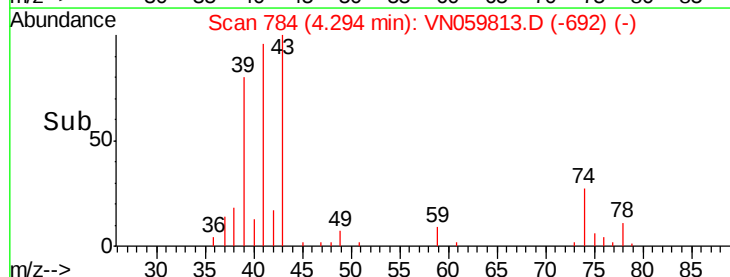
15000

10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 100.314 ug/l

RT: 4.94 min Scan# 986

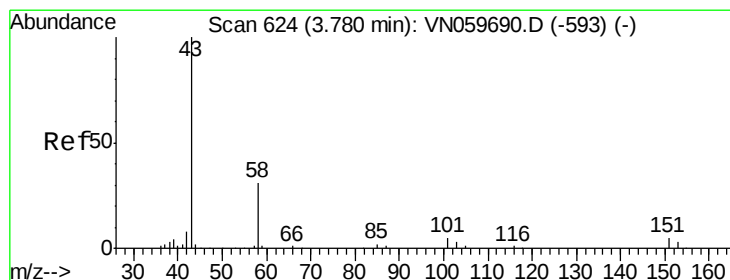
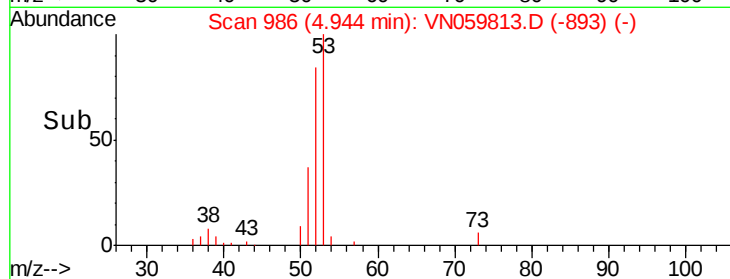
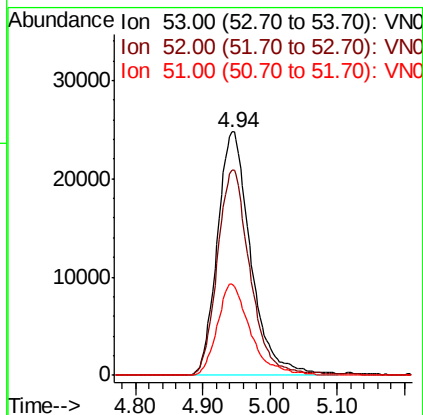
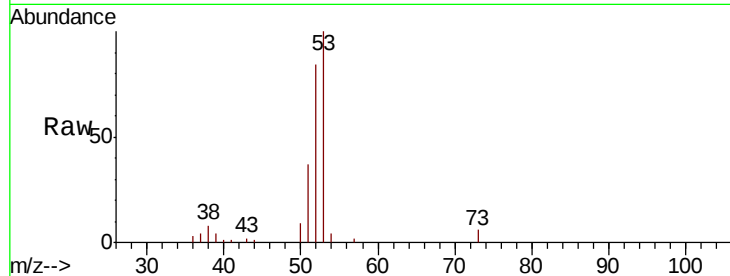
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	53	Resp:	85833
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.3	99.5
51	37.1	29.7	44.5



#16

Acetone

Concen: 99.680 ug/l

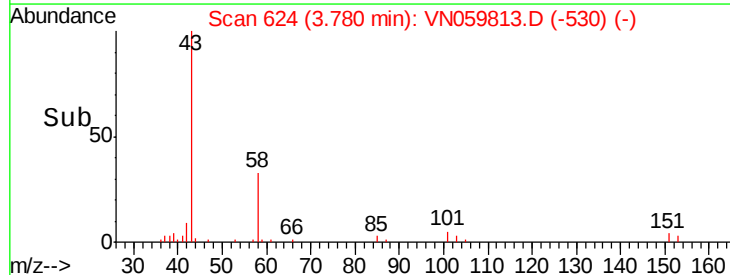
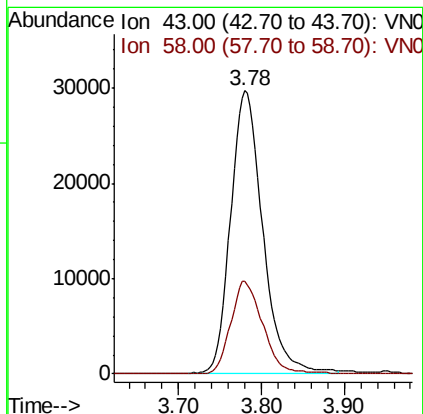
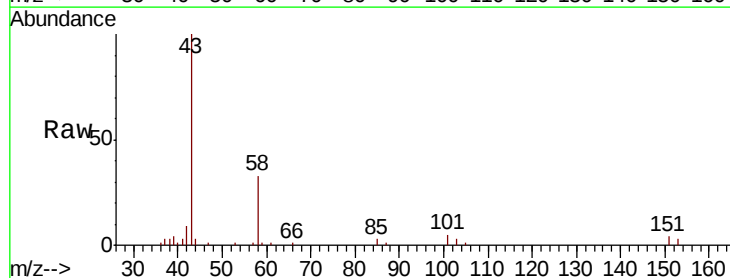
RT: 3.78 min Scan# 624

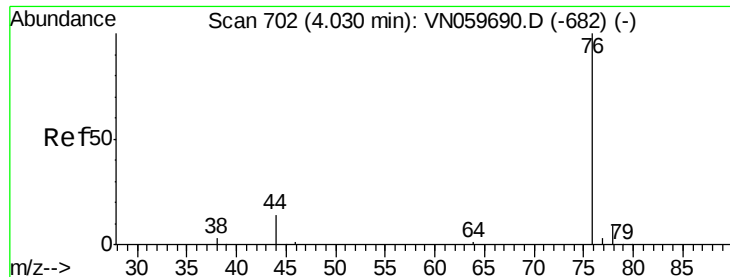
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion:	43	Resp:	80329
Ion	Ratio	Lower	Upper
43	100		
58	32.8	23.6	35.4





#17

Carbon Disulfide

Concen: 18.301 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

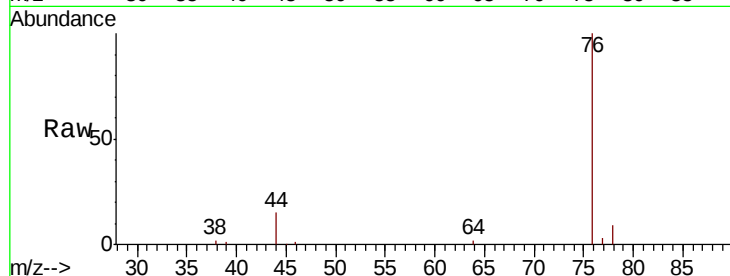
ClientSampled :

Tot Ion: 76 Resp: 95699

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059813.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN059813.D (-682) (-)

4.03

40000

30000

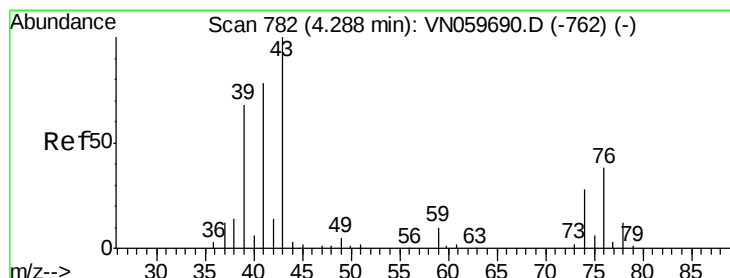
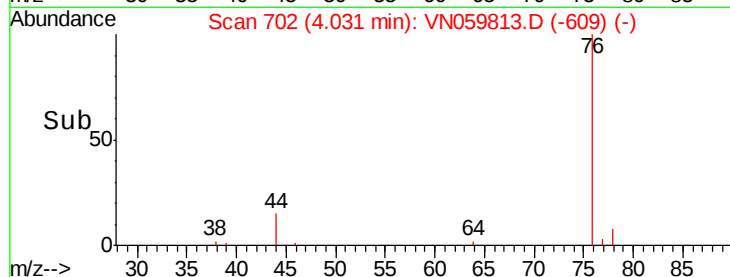
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 19.874 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059813.D

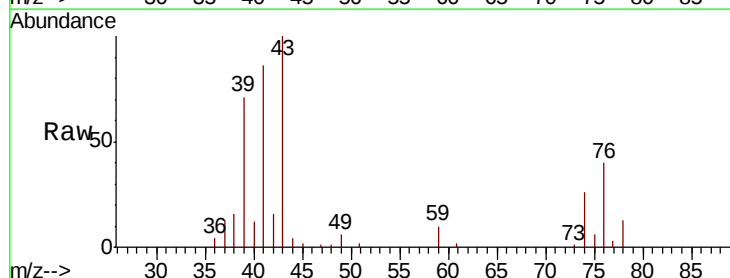
Acq: 21 Jan 2020 17:11

Tgt Ion: 43 Resp: 51725

Ion Ratio Lower Upper

43 100

74 26.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059813.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN059813.D (-689) (-)

4.29

20000

15000

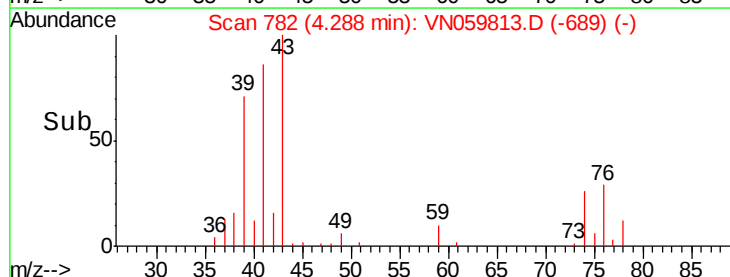
10000

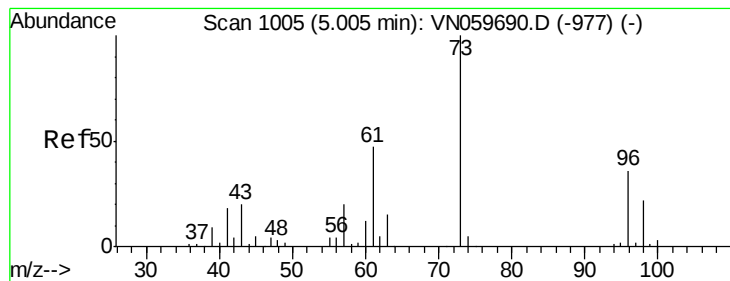
5000

0

Time-->

4.20 4.30 4.40



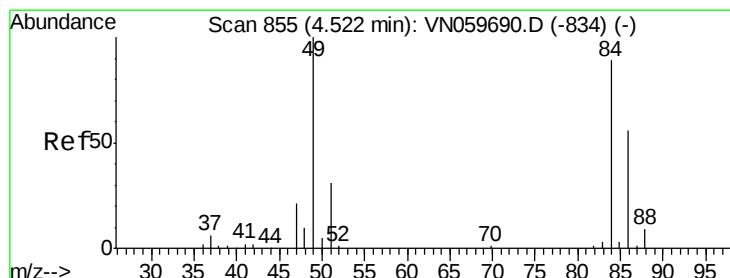
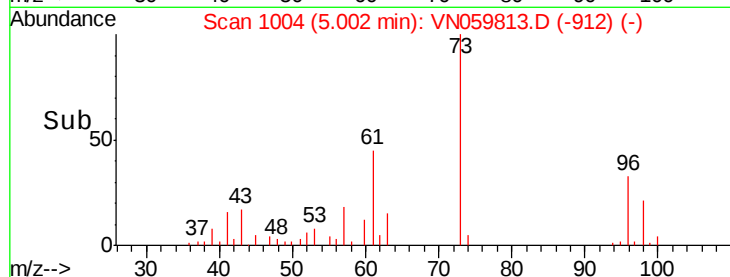
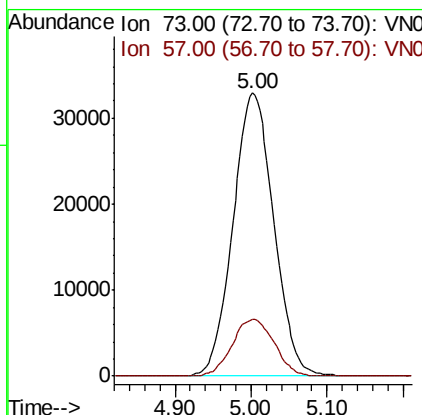
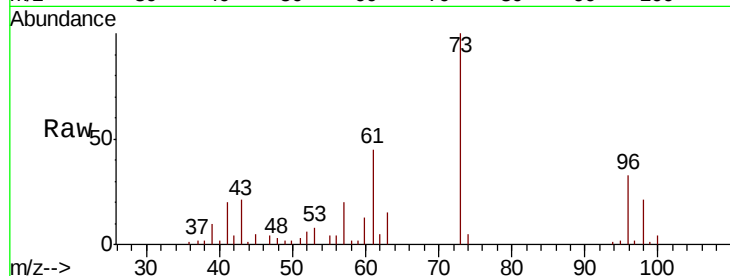


#19

Methyl tert-butyl Ether
 Concen: 20.432 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampled :

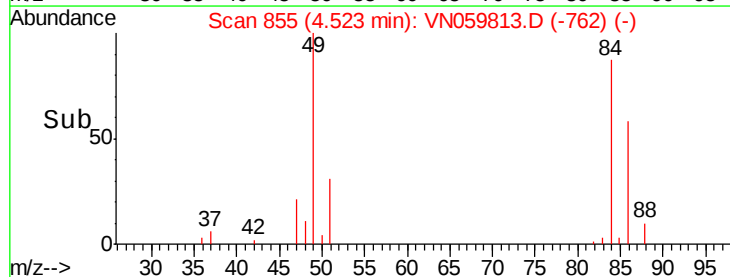
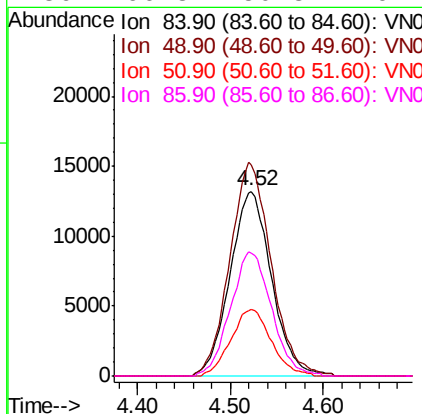
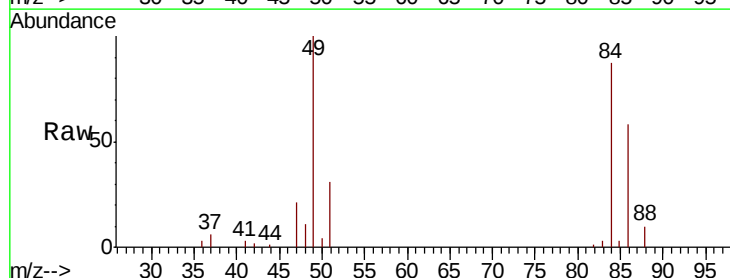
Tot Ion: 73 Resp: 122287
 Ion Ratio Lower Upper
 73 100
 57 20.1 18.6 27.8

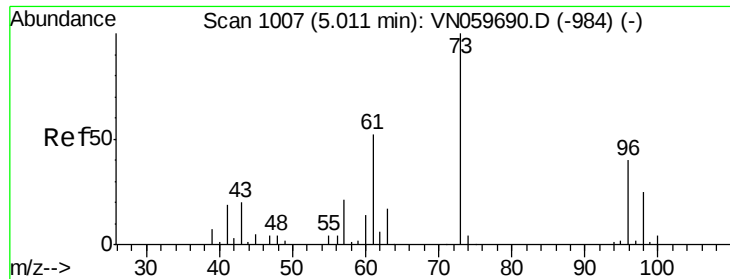


#20

Methylene Chloride
 Concen: 19.566 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 84 Resp: 41032
 Ion Ratio Lower Upper
 84 100
 49 114.8 106.6 160.0
 51 36.0 31.9 47.9
 86 66.8 50.8 76.2

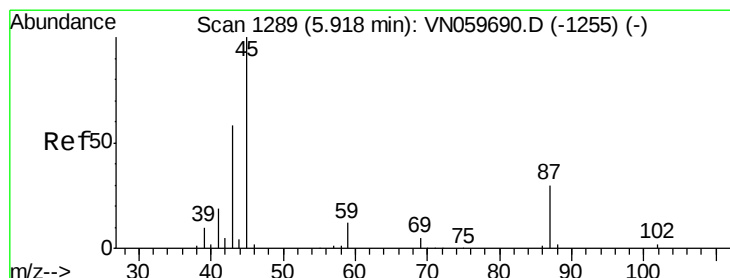
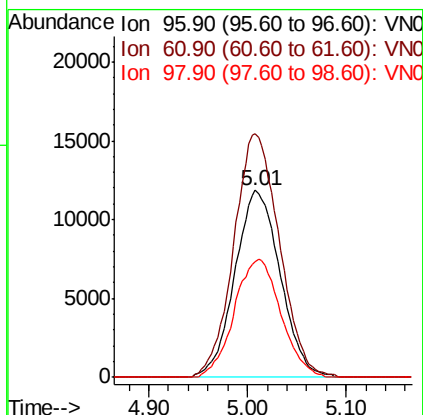
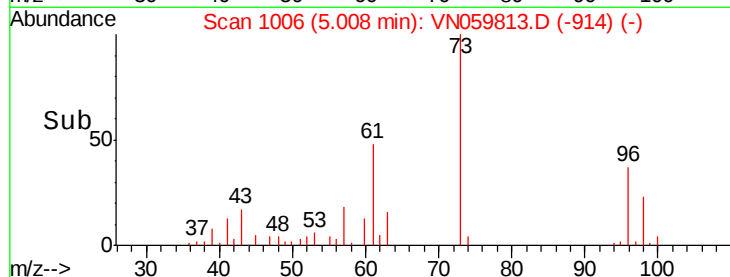
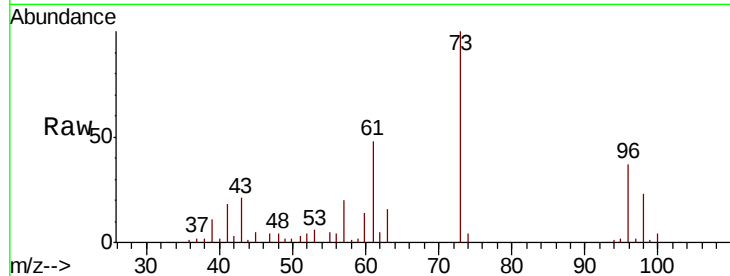




#21
trans-1,2-Dichloroethene
Concen: 19.403 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

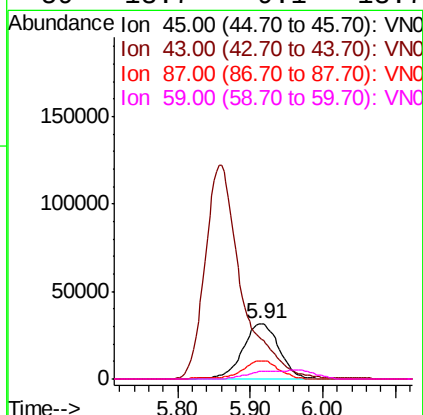
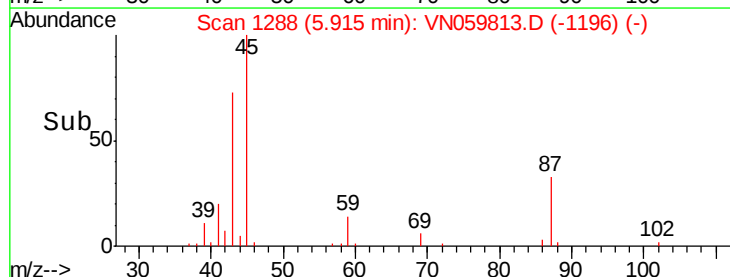
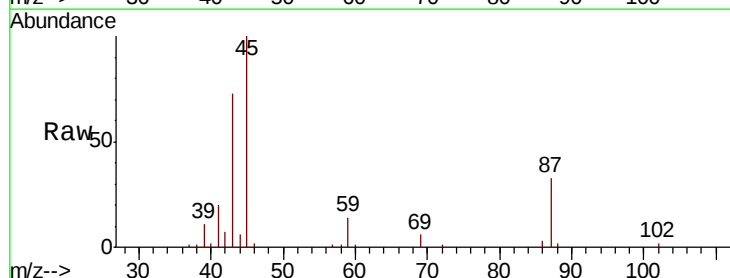
Instrument :
MSVOA_N
ClientSampleId :

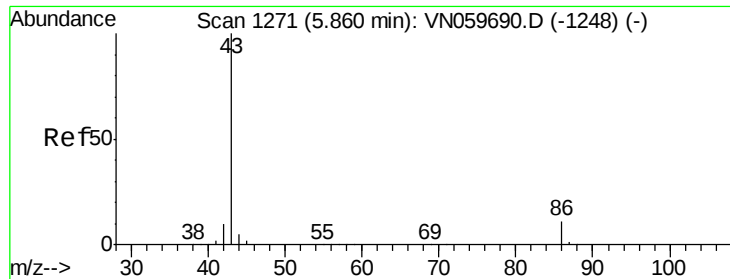
Tot Ion: 96 Resp: 37861
Ion Ratio Lower Upper
96 100
61 130.2 120.4 180.6
98 62.1 50.6 75.8



#22
Diisopropyl ether
Concen: 19.867 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 45 Resp: 111398
Ion Ratio Lower Upper
45 100
43 70.5 50.8 76.2
87 33.3 21.0 31.6#
59 13.7 9.1 13.7#

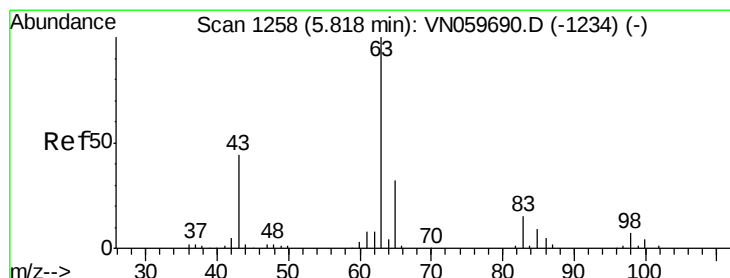
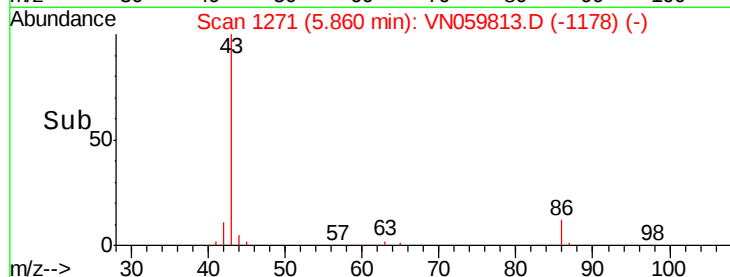
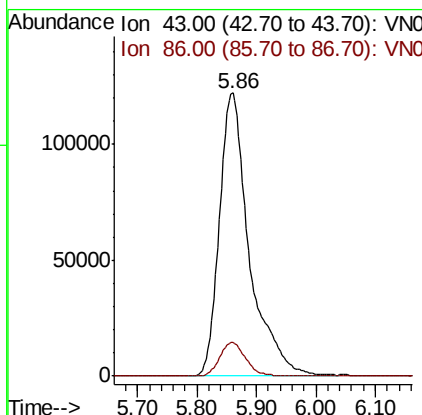
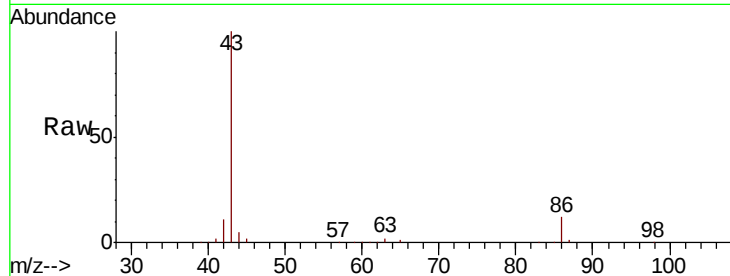




#23
 Vinyl Acetate
 Concen: 98.558 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

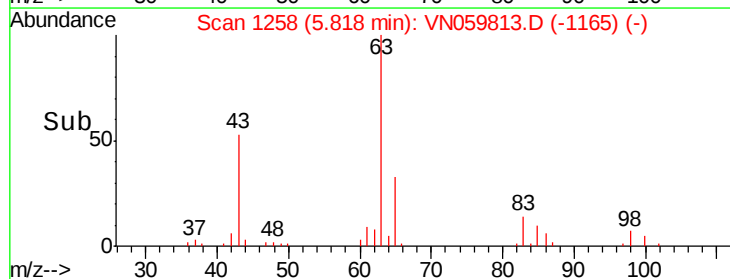
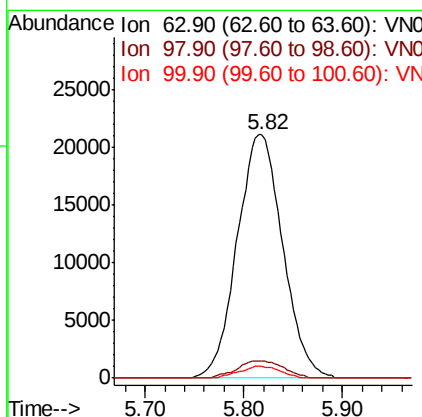
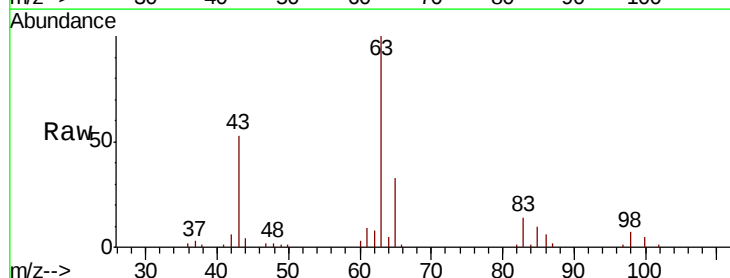
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 427873
 Ion Ratio Lower Upper
 43 100
 86 11.8 7.6 11.4#



#24
 1,1-Dichloroethane
 Concen: 19.664 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 63 Resp: 67370
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.7
 100 4.7 2.0 6.0

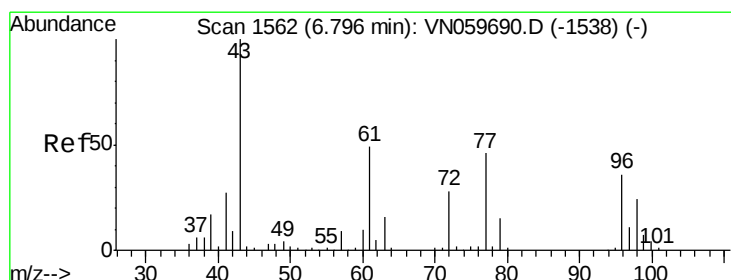
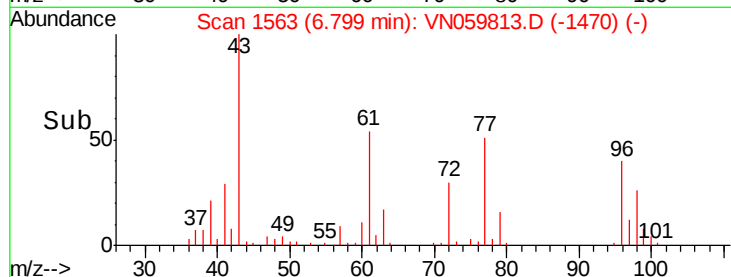
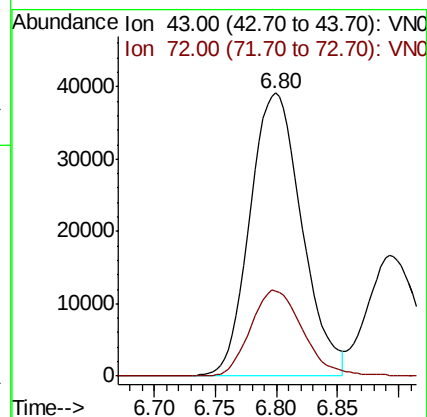
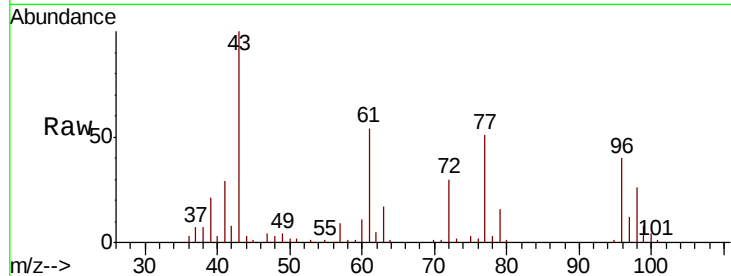




#25
2-Butanone
Concen: 91.599 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

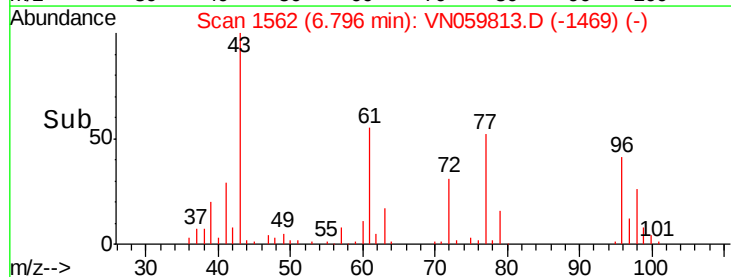
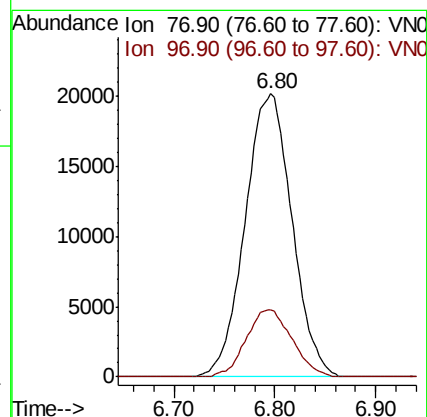
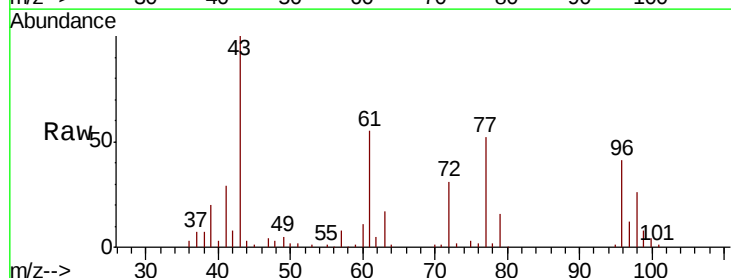
Instrument :
MSVOA_N
ClientSampled :

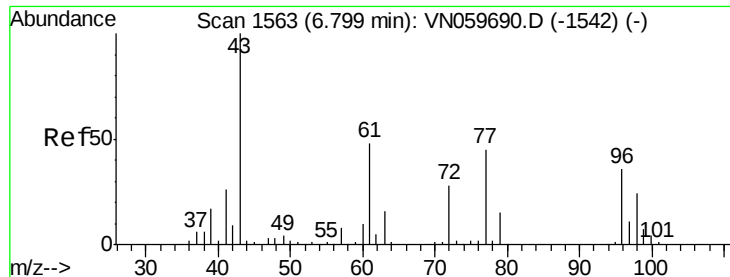
Tot Ion: 43 Resp: 115581
Ion Ratio Lower Upper
43 100
72 30.2 19.9 29.9#



#26
2,2-Dichloropropane
Concen: 19.763 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 77 Resp: 65095
Ion Ratio Lower Upper
77 100
97 23.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.166 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

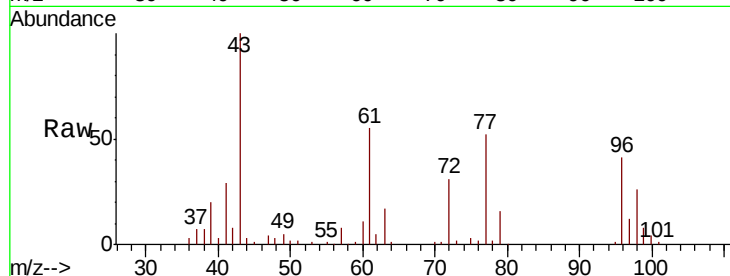
Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 45259

Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	317.6
98	65.1	0.0	127.0

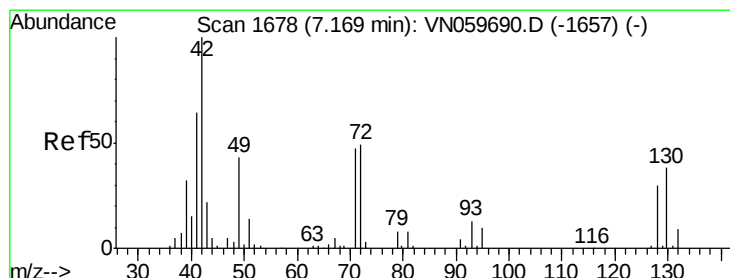
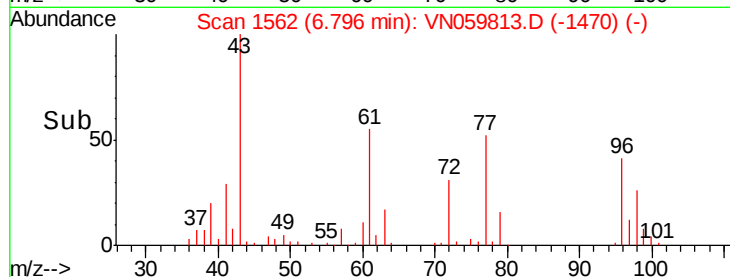
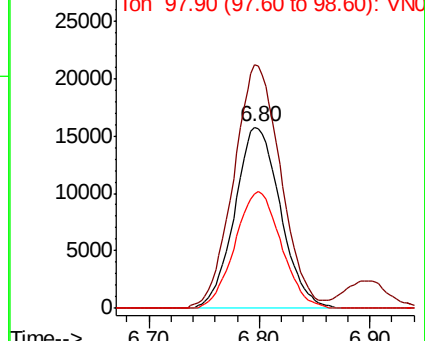


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.040 ug/l

RT: 7.17 min Scan# 1678

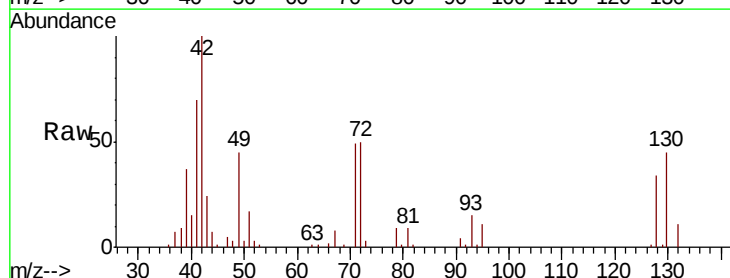
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion: 49 Resp: 27442

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	94.3	54.7	82.1#

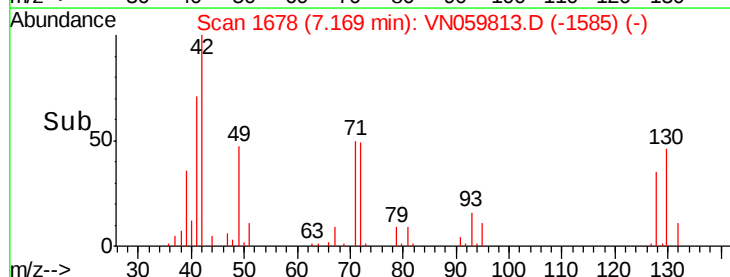
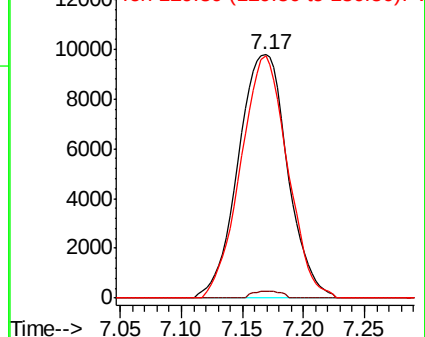


Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

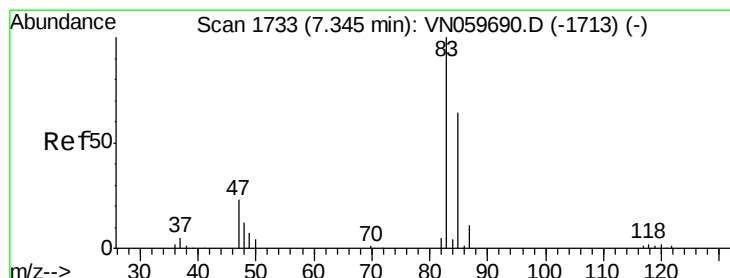
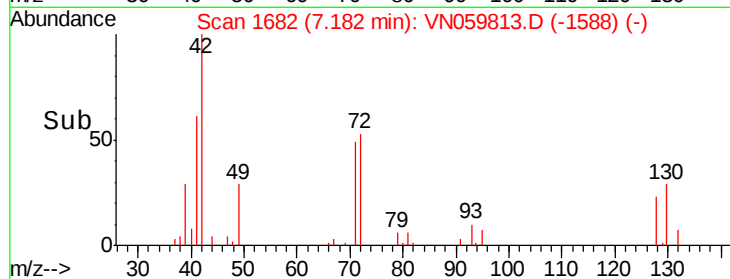
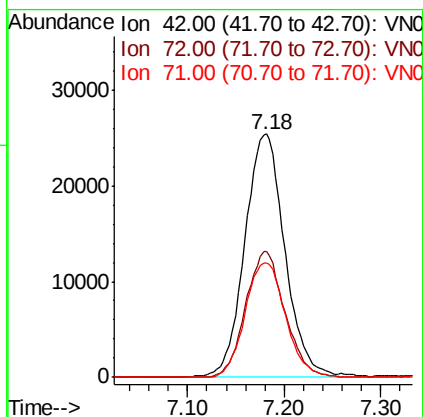
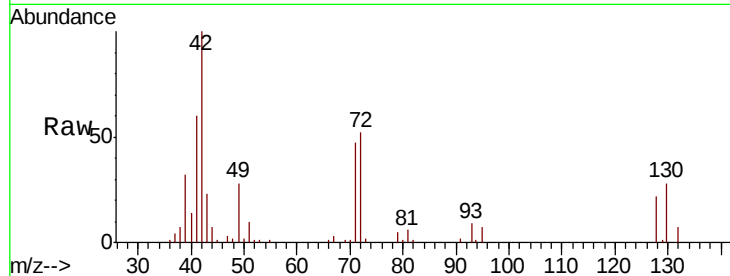




#29
Tetrahydrofuran
Concen: 93.725 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

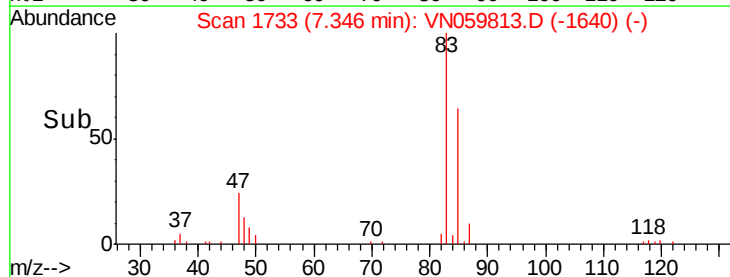
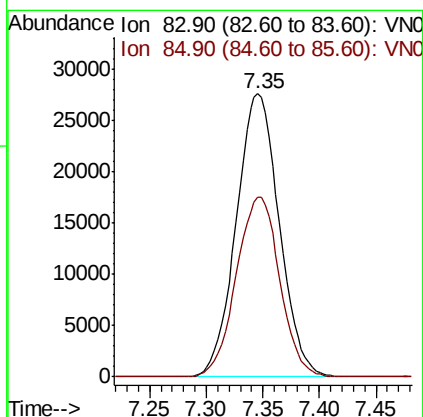
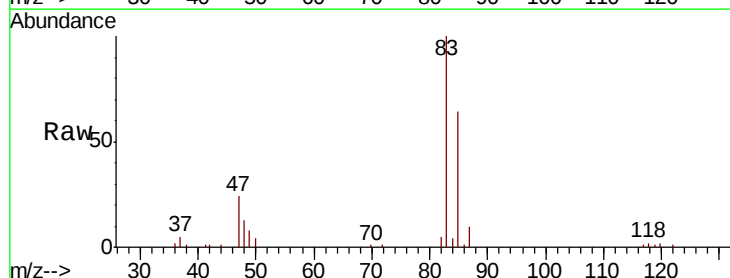
Instrument :
MSVOA_N
ClientSampled :

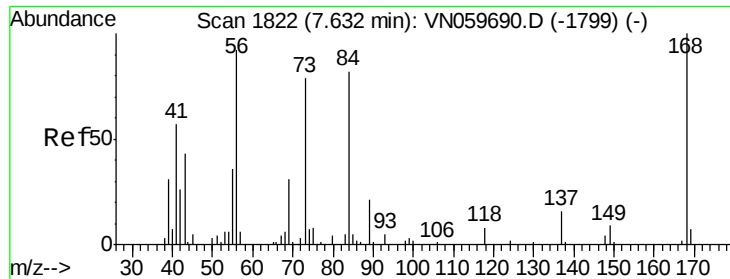
Tot Ion: 42 Resp: 73172
Ion Ratio Lower Upper
42 100
72 50.6 33.1 49.7#
71 47.4 31.4 47.0#



#30
Chloroform
Concen: 20.518 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 83 Resp: 72836
Ion Ratio Lower Upper
83 100
85 63.6 52.4 78.6

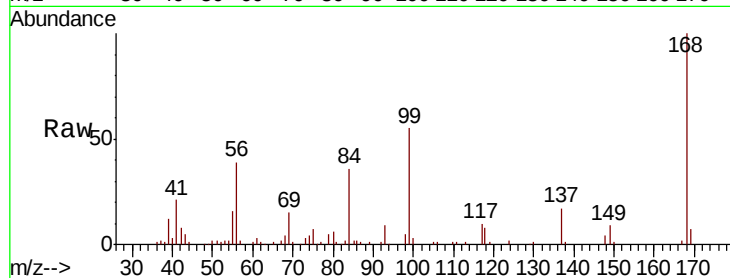




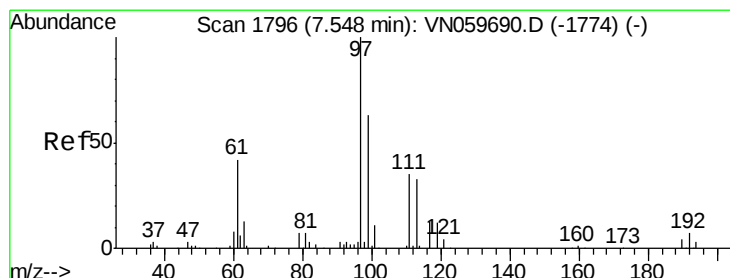
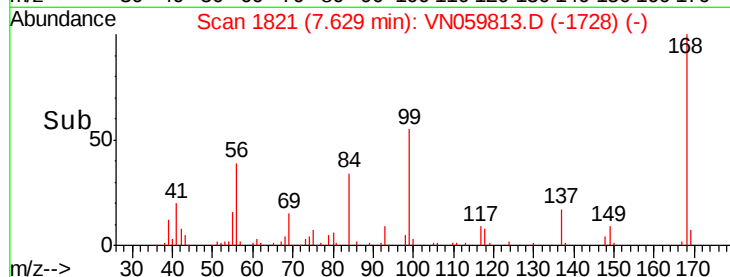
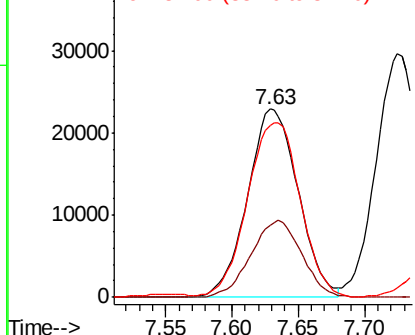
#31
Cyclohexane
Concen: 18.526 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 61075
Ion Ratio Lower Upper
56 100
69 38.1 26.5 39.7
84 90.1 65.3 97.9

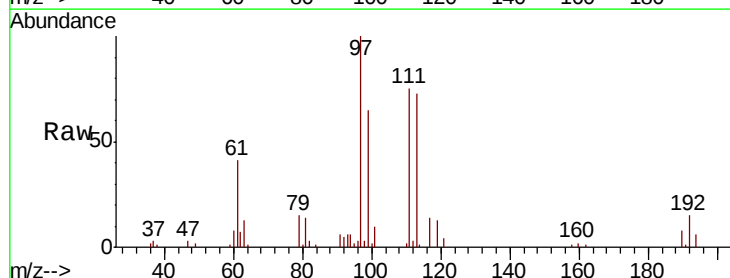


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

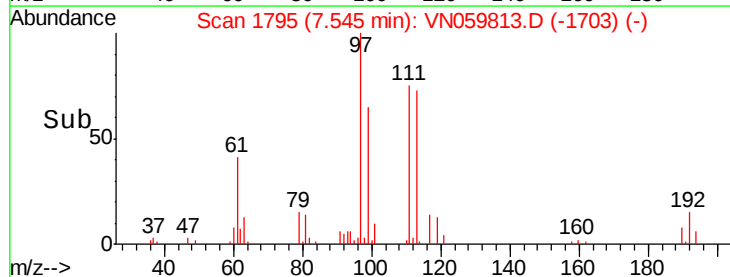
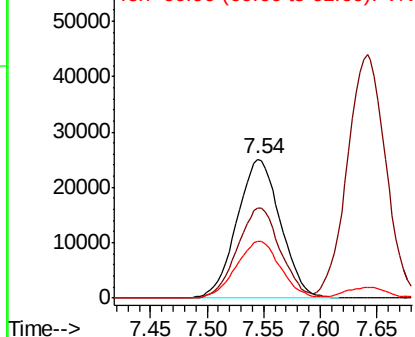


#32
1,1,1-Trichloroethane
Concen: 20.456 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 97 Resp: 67142
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 41.5 38.5 57.7



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

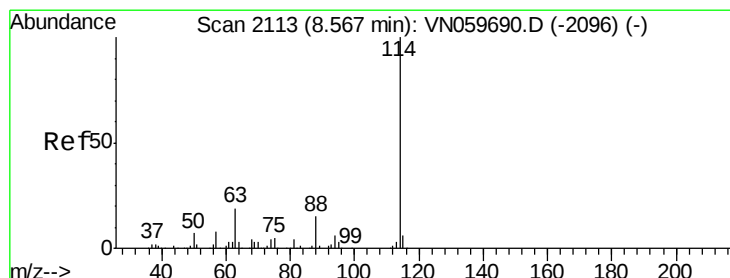
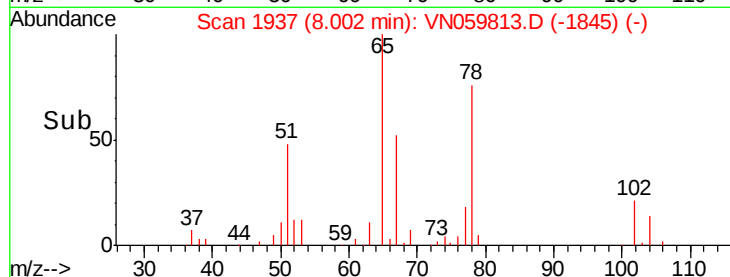
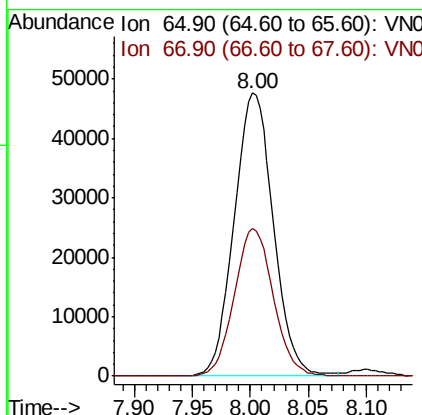
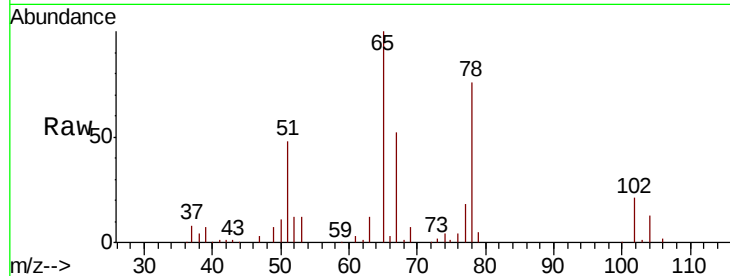




#33
 1,2-Dichloroethane-d4
 Concen: 50.131 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

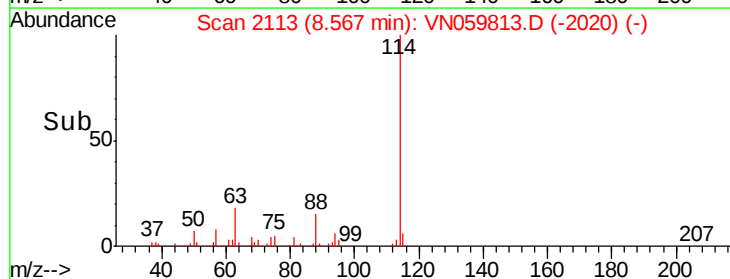
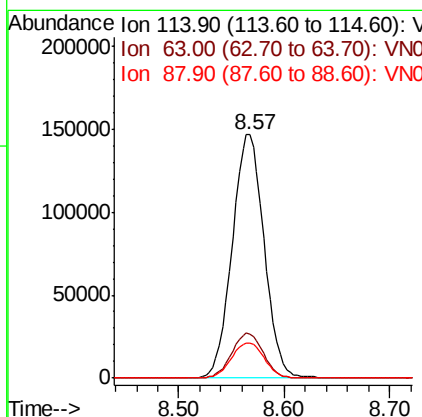
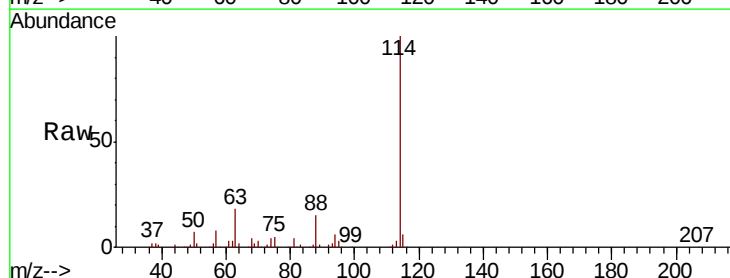
Instrument :
 MSVOA_N
 ClientSampled :

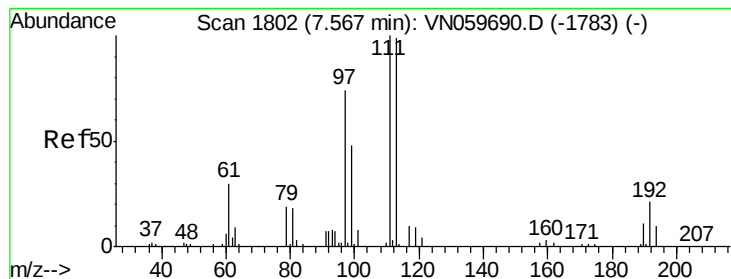
Tot Ion: 65 Resp: 111703
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 114 Resp: 307909
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.6
 88 14.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.555 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :

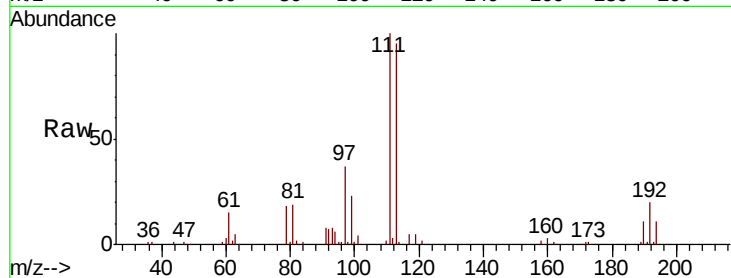
Tot Ion:113 Resp: 94666

Ion Ratio Lower Upper

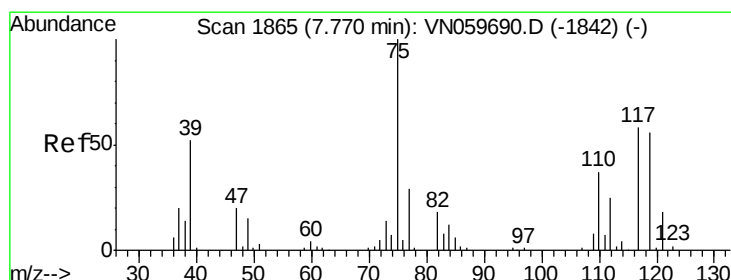
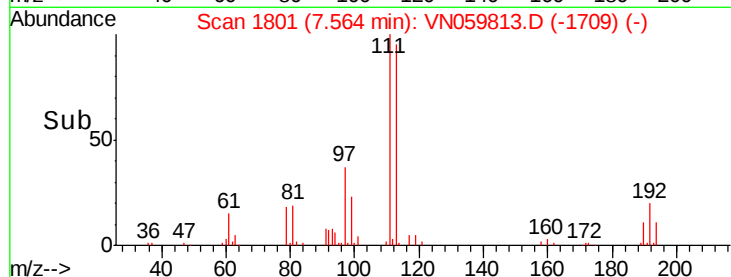
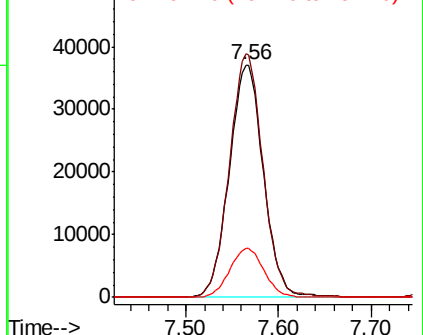
113 100

111 103.0 83.5 125.3

192 20.9 15.4 23.2



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



#36

1,1-Dichloropropene

Concen: 19.654 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

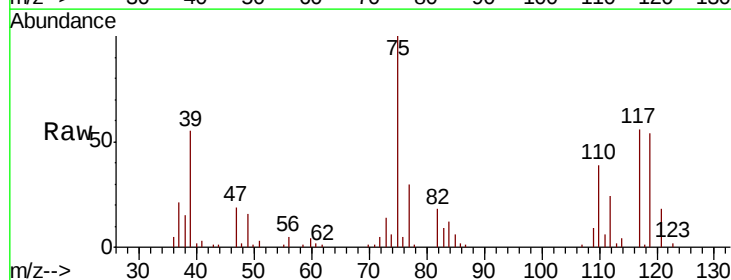
Tgt Ion: 75 Resp: 52700

Ion Ratio Lower Upper

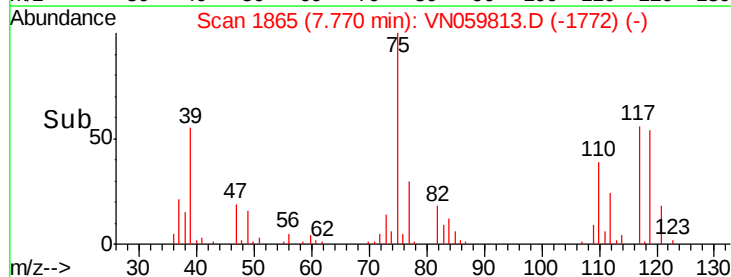
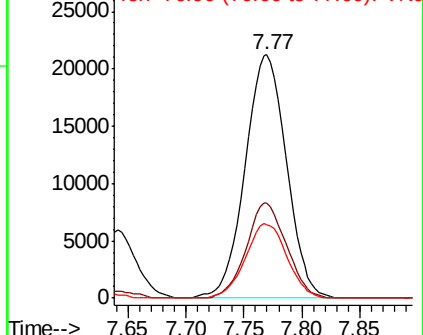
75 100

110 37.9 16.6 49.7

77 30.7 25.1 37.7



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

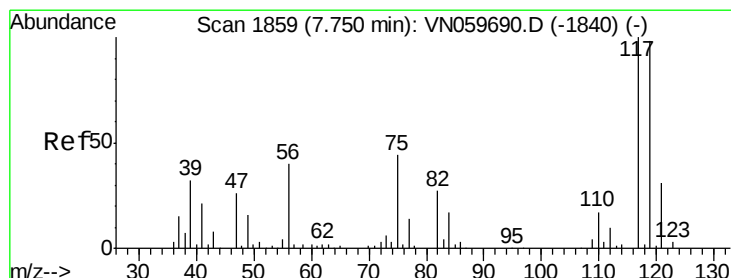
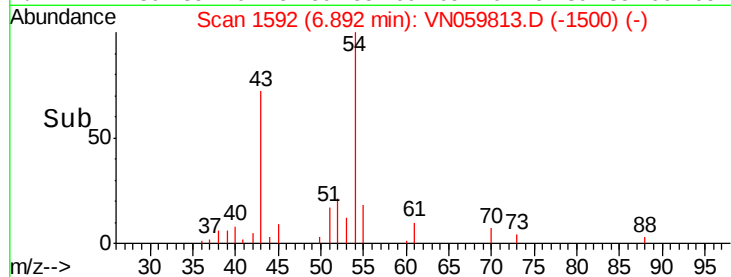
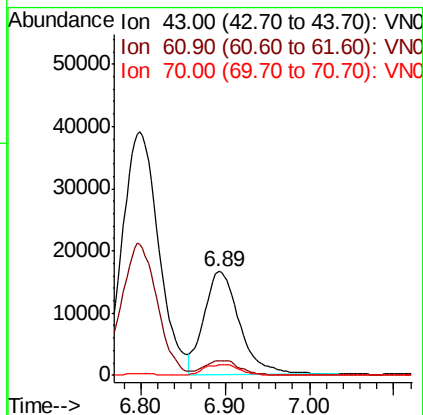
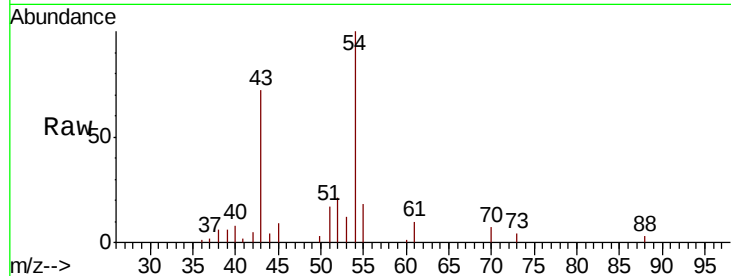




#37
Ethyl Acetate
Concen: 19.512 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

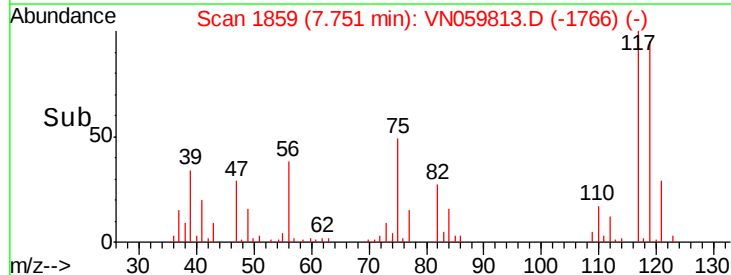
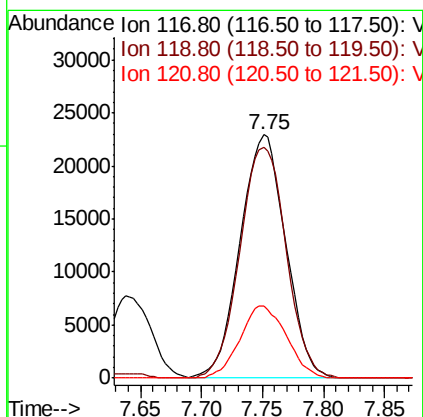
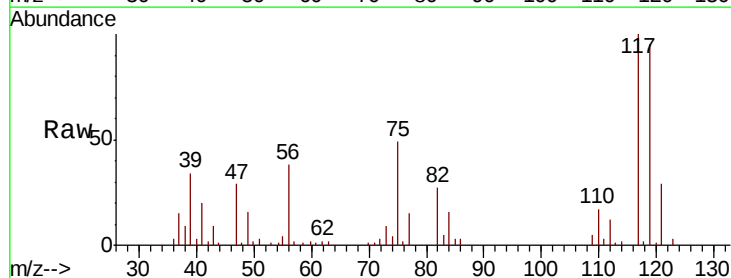
Instrument :
MSVOA_N
ClientSampled :

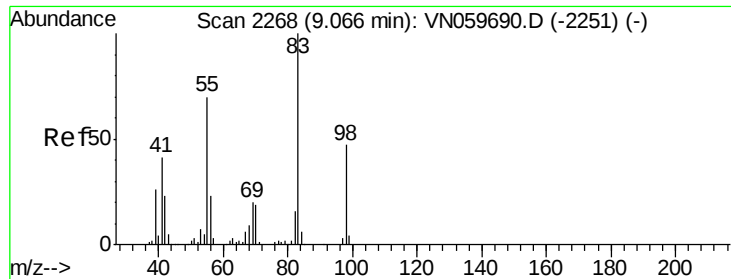
Tot Ion: 43 Resp: 49070
Ion Ratio Lower Upper
43 100
61 14.2 10.9 16.3
70 10.4 7.7 11.5



#38
Carbon Tetrachloride
Concen: 20.318 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 117 Resp: 59264
Ion Ratio Lower Upper
117 100
119 94.6 76.5 114.7
121 29.4 25.1 37.7

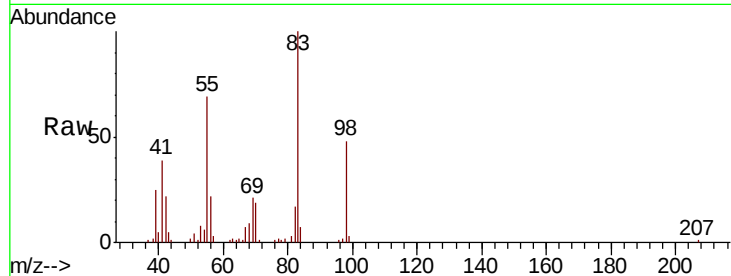




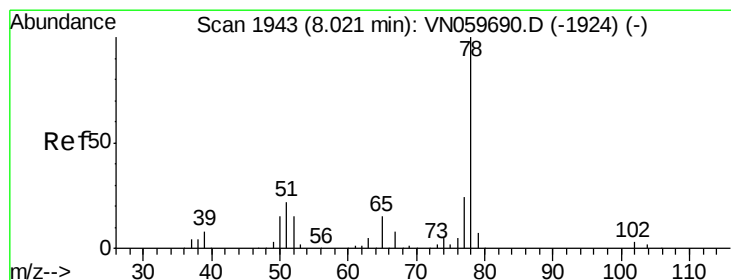
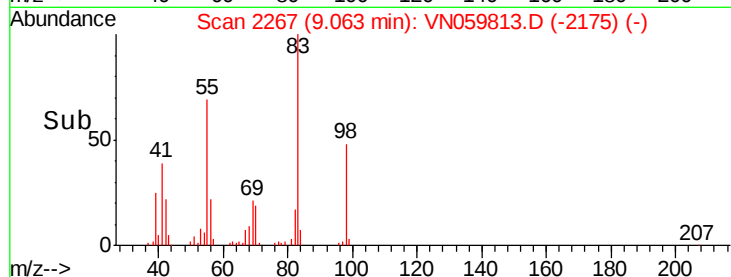
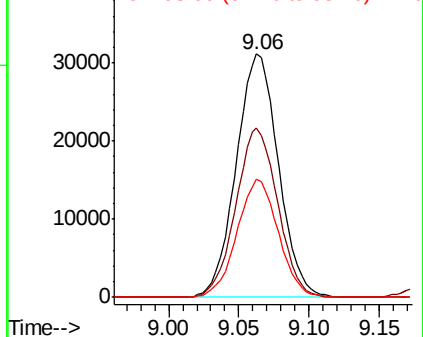
#39
Methvlcvclohexane
Concen: 19.742 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 65270
Ion Ratio Lower Upper
83 100
55 69.3 64.2 96.2
98 48.3 35.9 53.9

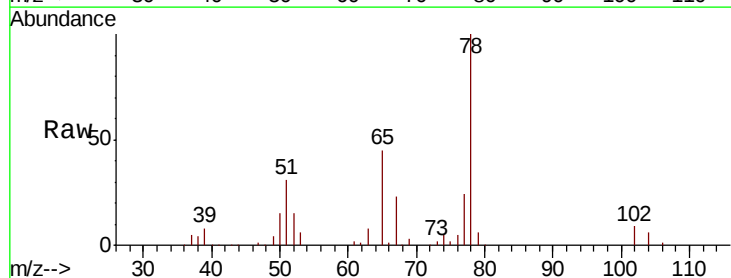


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

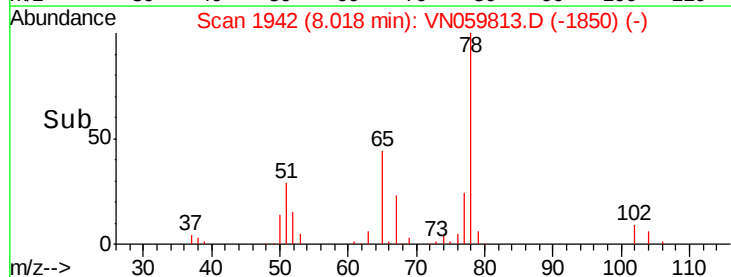
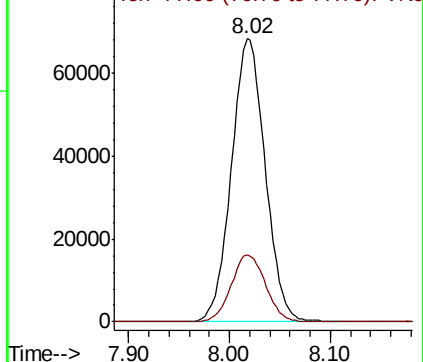


#40
Benzene
Concen: 19.860 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 78 Resp: 158815
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3



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

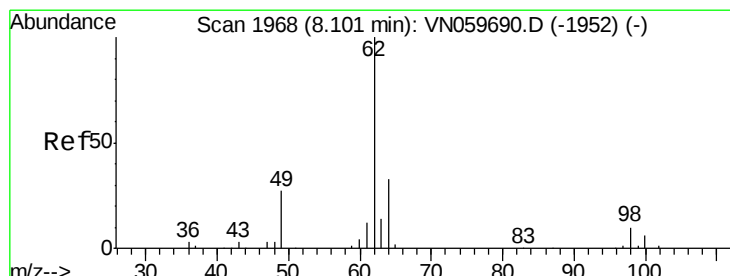
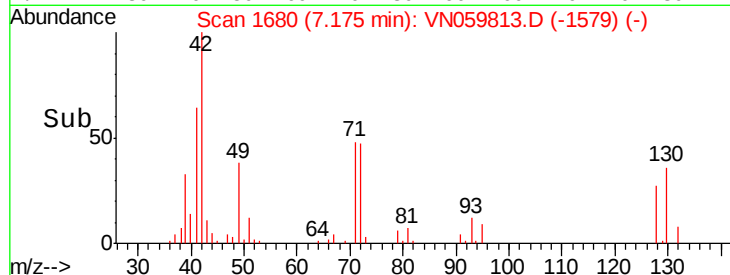
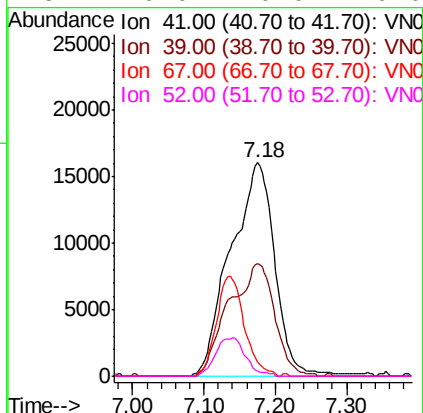
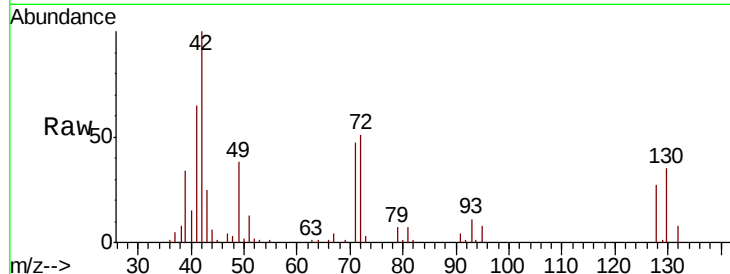




#41
Methacrylonitrile
Concen: 55.375 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

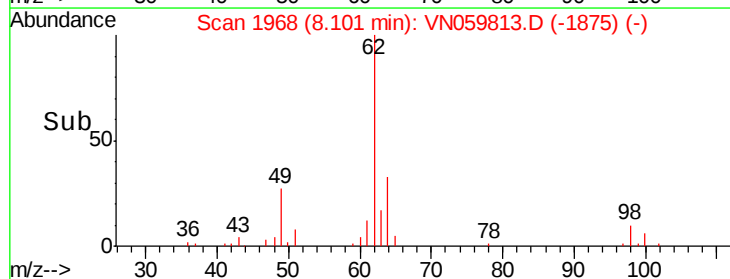
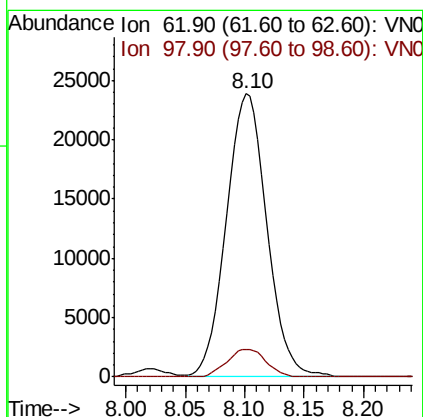
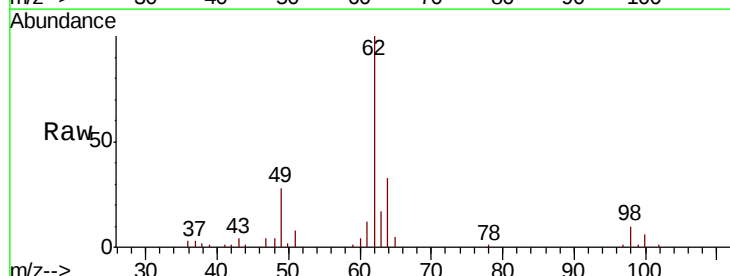
Instrument :
MSVOA_N
ClientSampled :

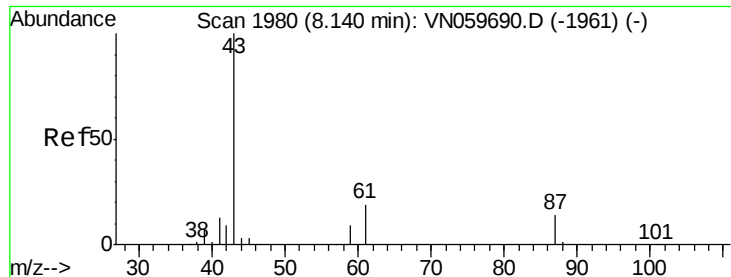
Tot Ion: 41 Resp: 68595
Ion Ratio Lower Upper
41 100
39 54.6 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.813 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 62 Resp: 56432
Ion Ratio Lower Upper
62 100
98 9.3 0.0 15.8





#43

Isopropyl Acetate

Concen: 18.761 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

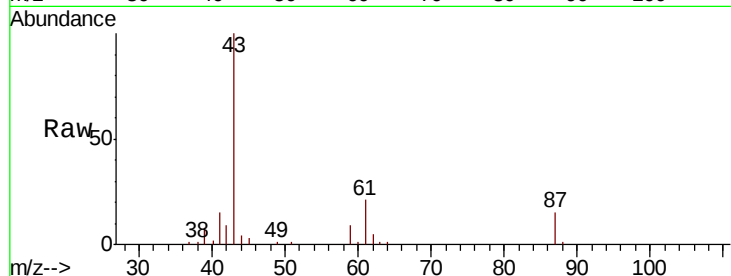
Tot Ion: 43 Resp: 81153

Ion Ratio Lower Upper

43 100

61 22.0 20.2 30.2

87 15.0 9.5 14.3#



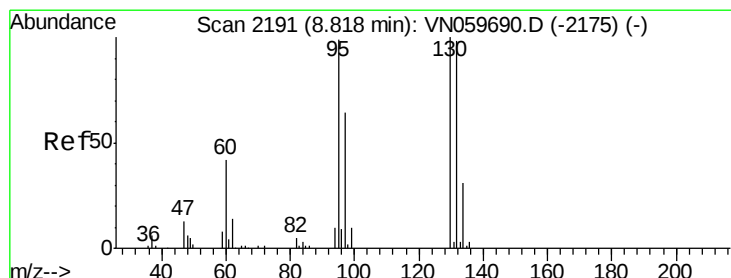
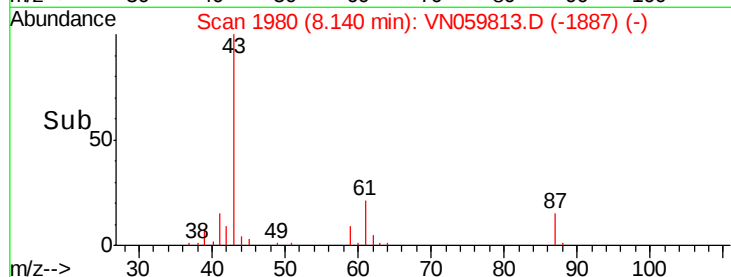
Abundance Ion 43.00 (42.70 to 43.70): VN059813.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN059813.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN059813.D (-1987) (-)

8.14

Time-->



#44

Trichloroethene

Concen: 21.133 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059813.D

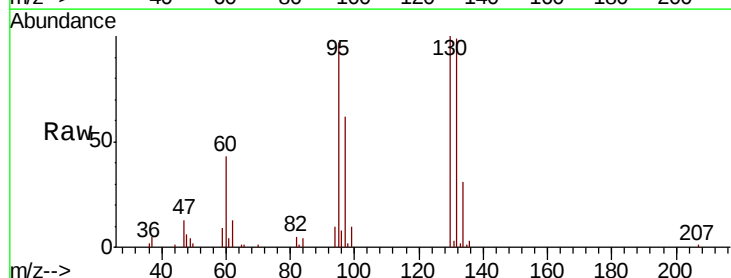
Acq: 21 Jan 2020 17:11

Tgt Ion:130 Resp: 46135

Ion Ratio Lower Upper

130 100

95 96.7 0.0 207.0

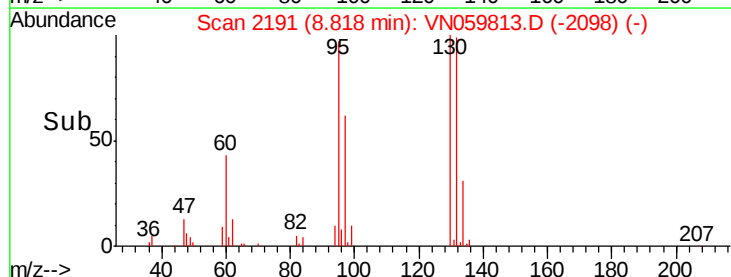


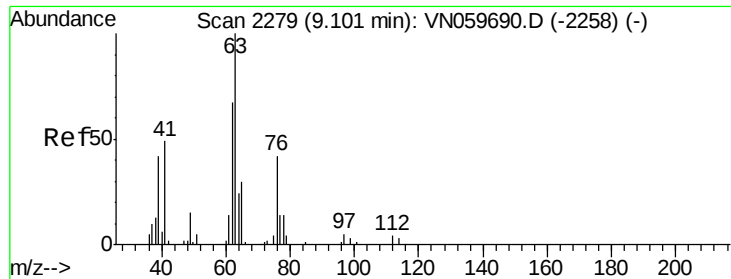
Abundance Ion 129.80 (129.50 to 130.50): VN059813.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059813.D (-2098) (-)

8.82

Time-->

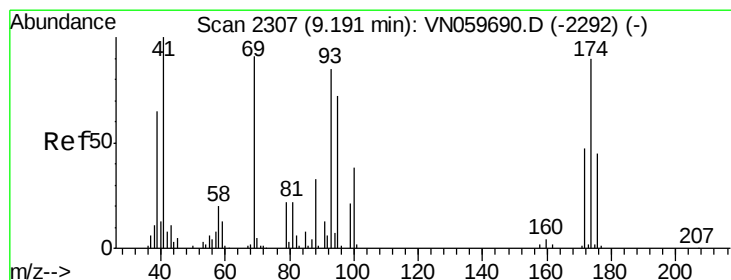
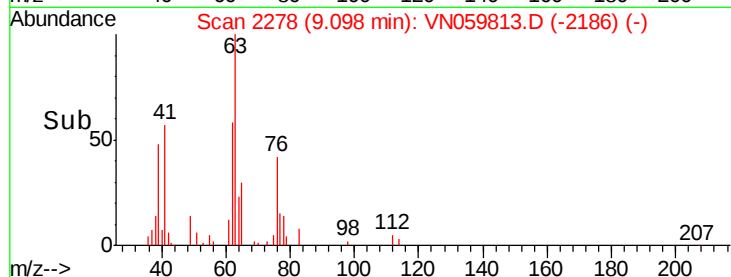
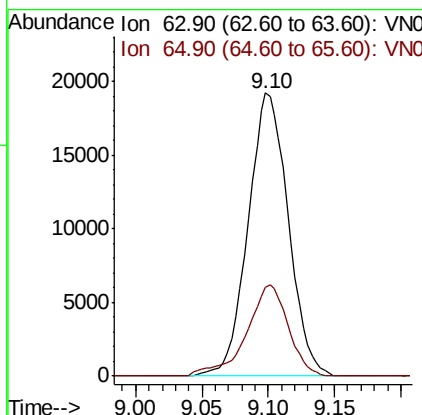
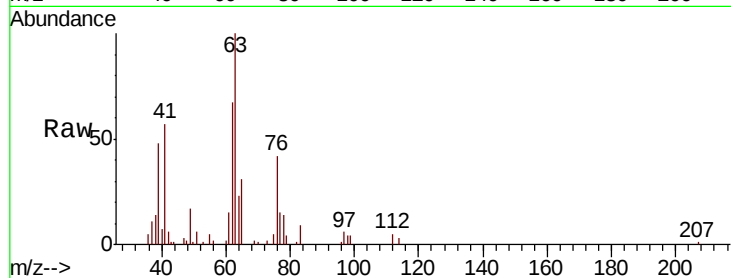




#45
 1,2-Dichloropropane
 Concen: 20.508 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

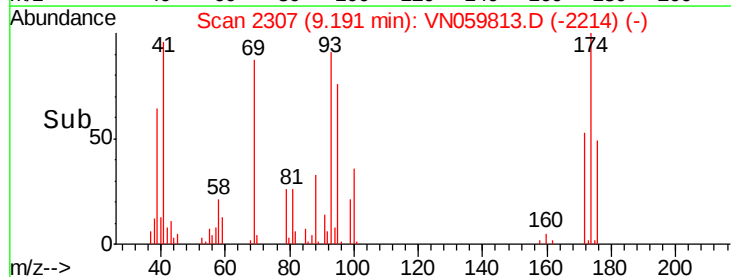
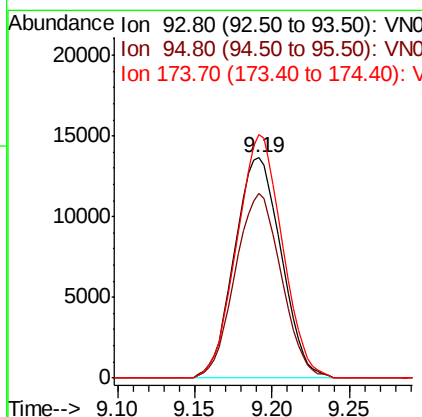
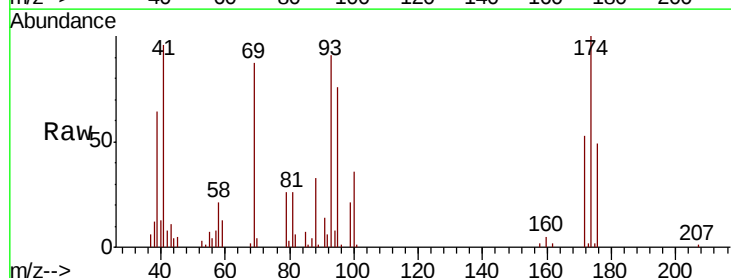
Instrument :
 MSVOA_N
 ClientSampleId :

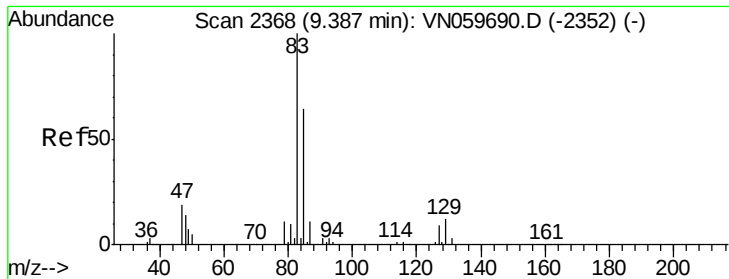
Tot Ion: 63 Resp: 40582
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.9 37.3



#46
 Dibromomethane
 Concen: 20.566 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 93 Resp: 28708
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.6
 174 107.7 73.4 110.2

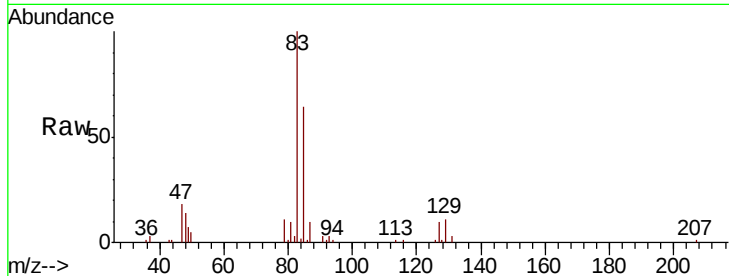




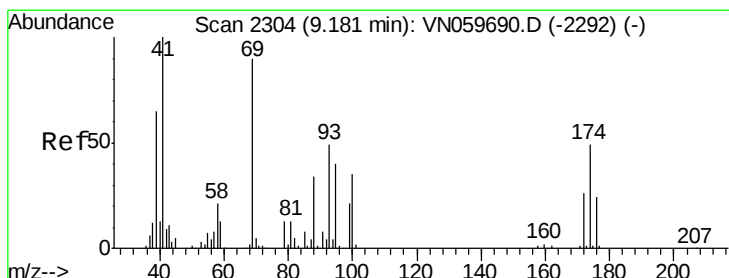
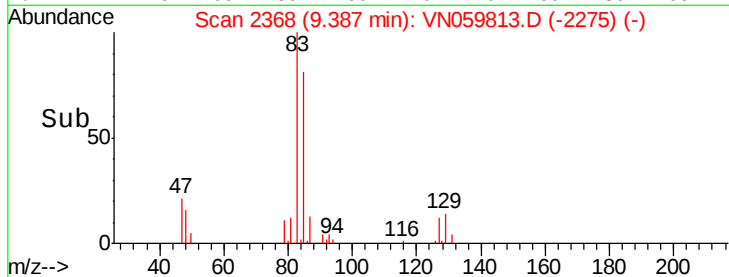
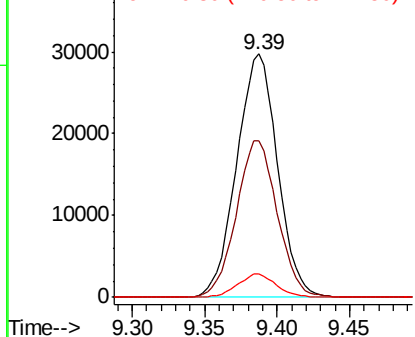
#47
Bromodichloromethane
Concen: 20.703 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 58236
Ion Ratio Lower Upper
83 100
85 64.2 51.1 76.7
127 9.6 6.6 9.8

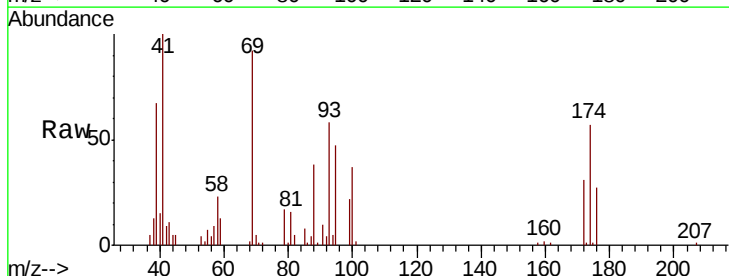


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

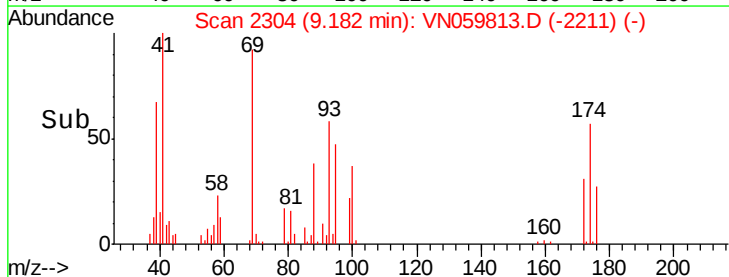
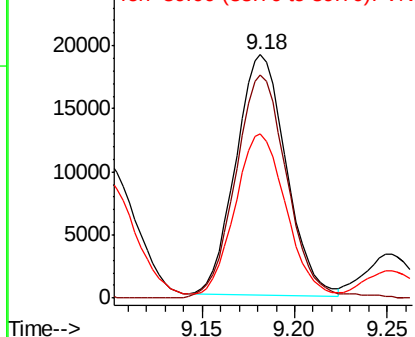


#48
Methyl methacrylate
Concen: 18.481 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 41 Resp: 35759
Ion Ratio Lower Upper
41 100
69 95.4 64.4 96.6
39 67.2 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

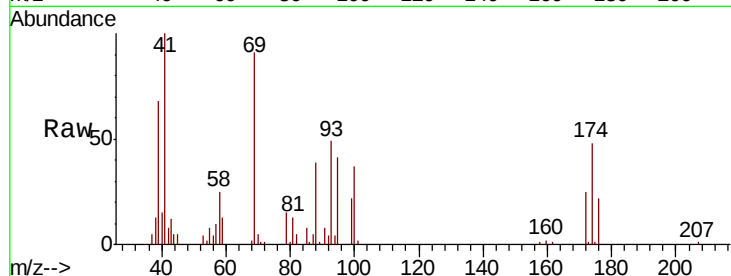




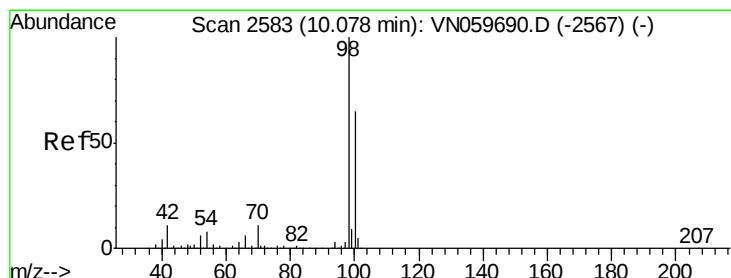
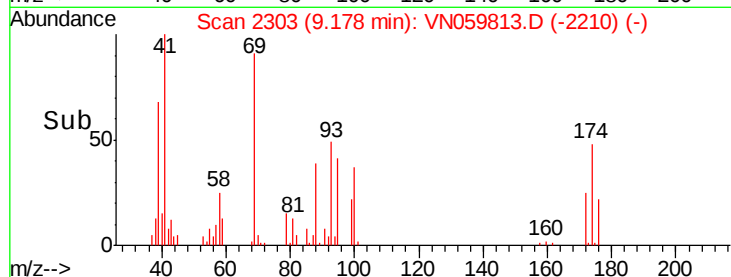
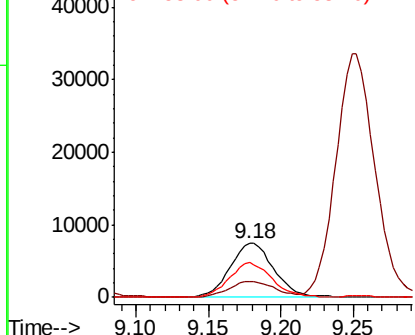
#49
1,4-Dioxane
Concen: 438.103 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 15518
Ion Ratio Lower Upper
88 100
43 30.9 29.7 44.5
58 62.6 56.6 85.0

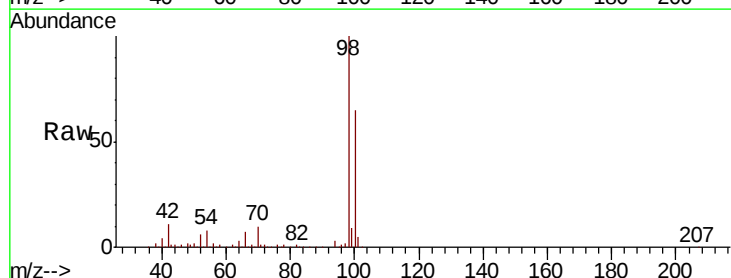


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

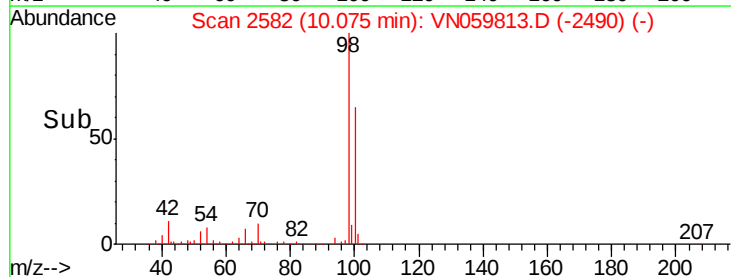
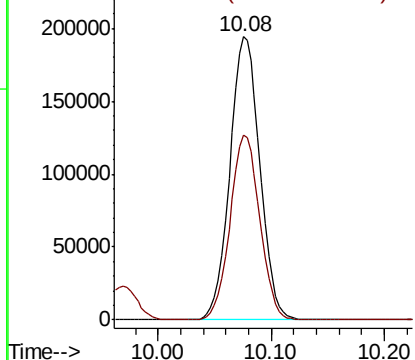


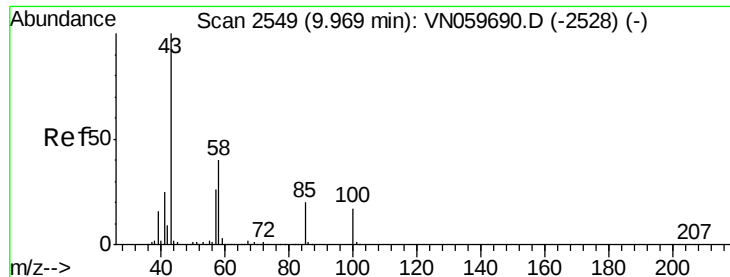
#50
Toluene-d8
Concen: 50.137 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 98 Resp: 356689
Ion Ratio Lower Upper
98 100
100 64.8 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: 94.936 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

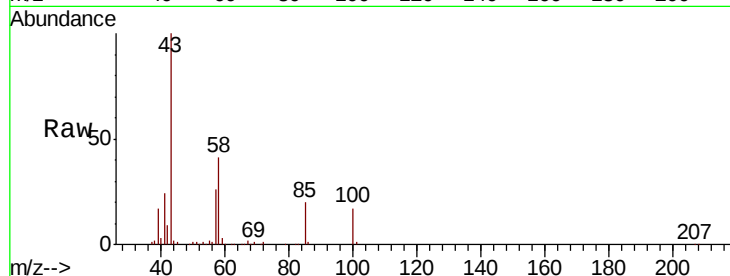
ClientSampleId :

Tot Ion: 43 Resp: 237395

Ion Ratio Lower Upper

43 100

58 40.4 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

9.97

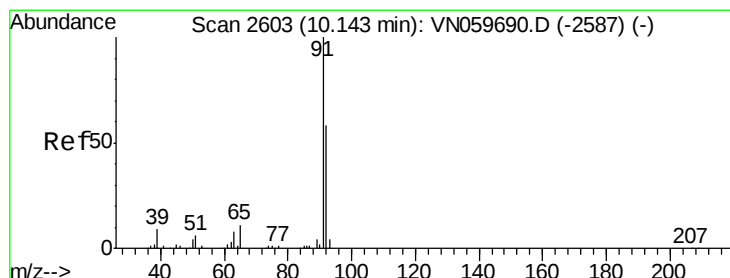
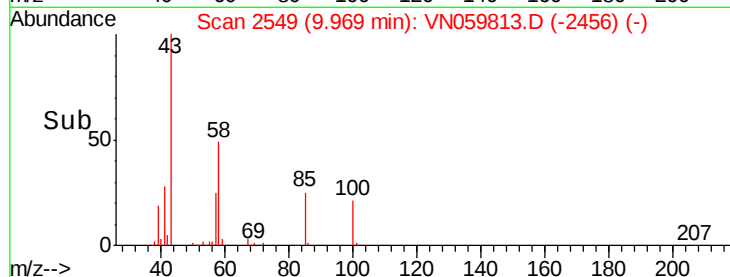
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.183 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059813.D

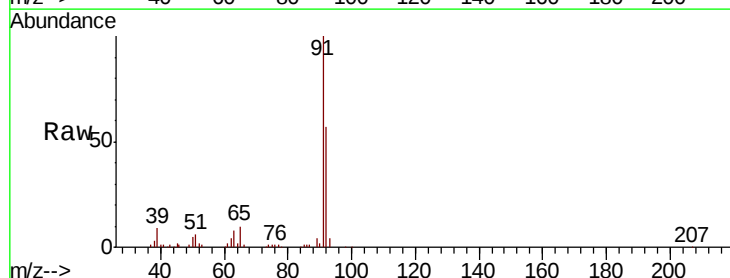
Acq: 21 Jan 2020 17:11

Tgt Ion: 92 Resp: 101950

Ion Ratio Lower Upper

92 100

91 175.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059690.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-2587) (-)

10.14

100000

80000

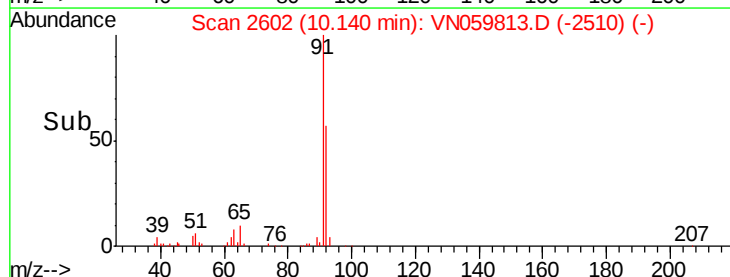
60000

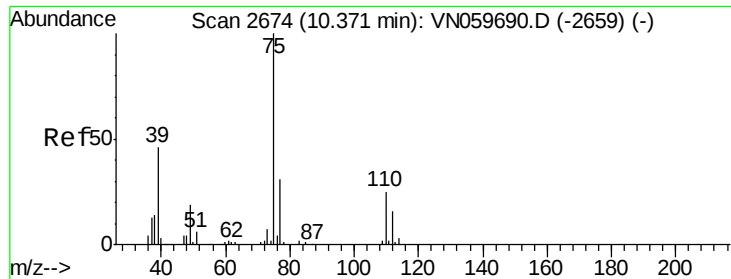
40000

20000

0

Time-->

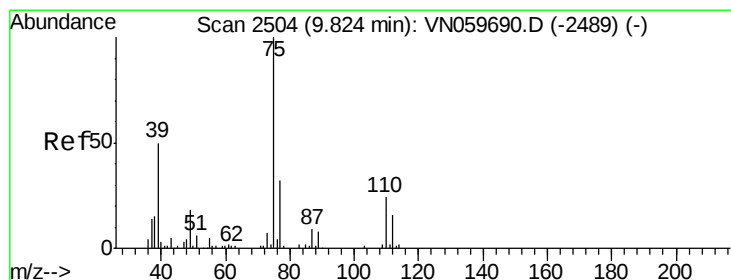
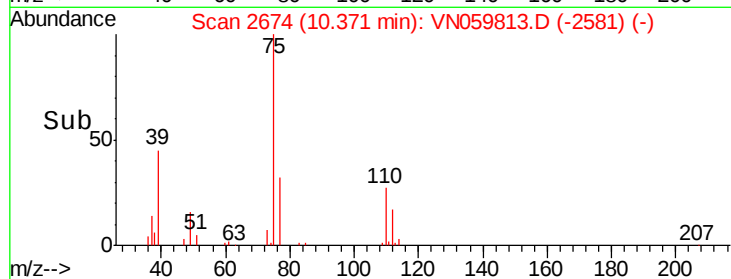
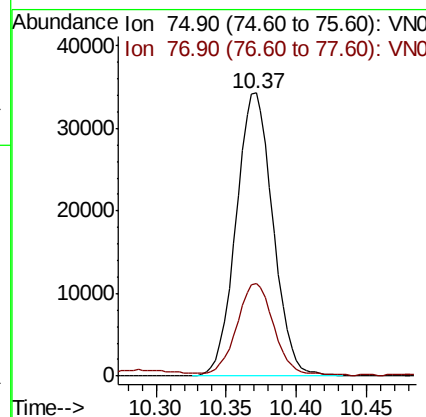
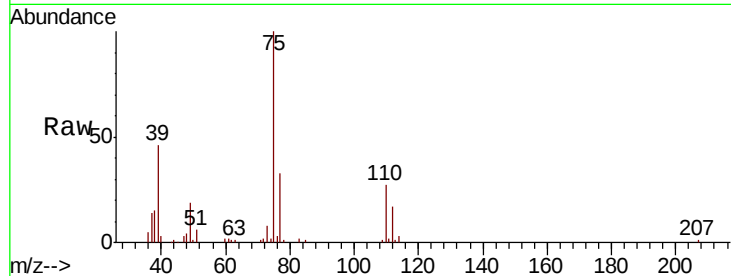




#53
 t-1,3-Dichloropropene
 Concen: 20.020 ug/l
 RT: 10.37 min Scan# 2674
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

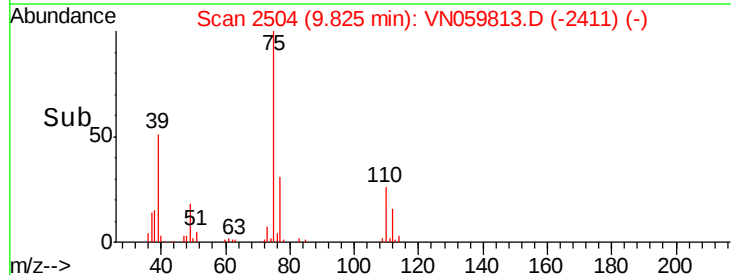
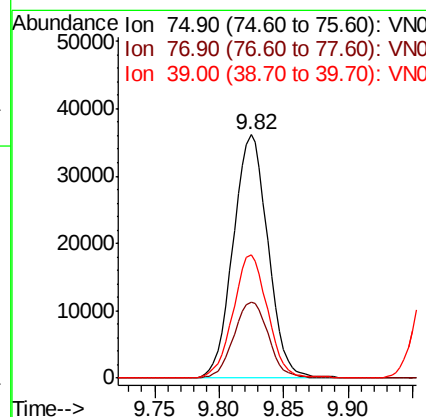
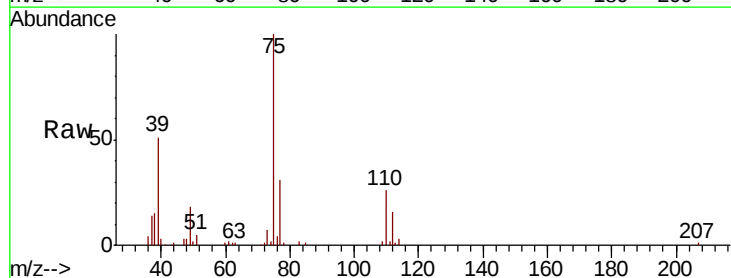
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 62881
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.476 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 75 Resp: 67670
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7
 39 50.9 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.017 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

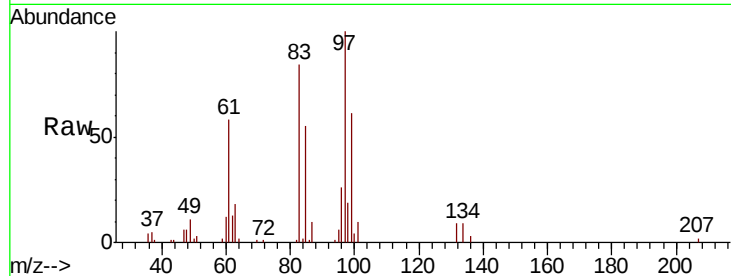
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 42045

Ion	Ratio	Lower	Upper
97	100		
83	84.2	71.3	106.9
85	55.1	45.8	68.8
99	60.5	50.0	75.0



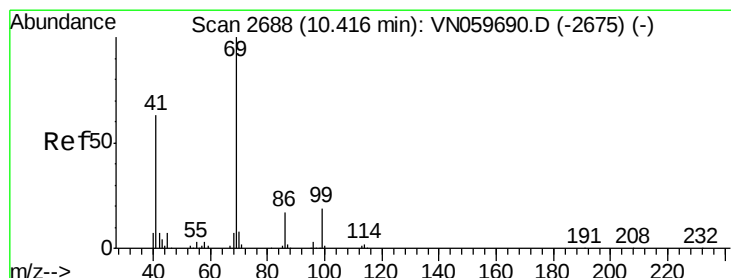
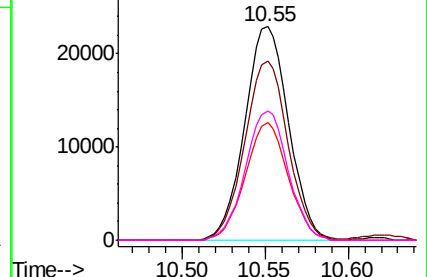
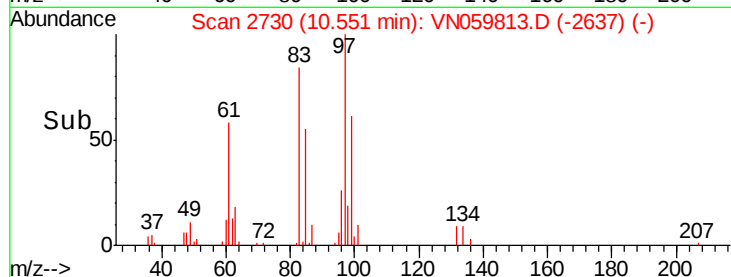
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.964 ug/l

RT: 10.42 min Scan# 2688

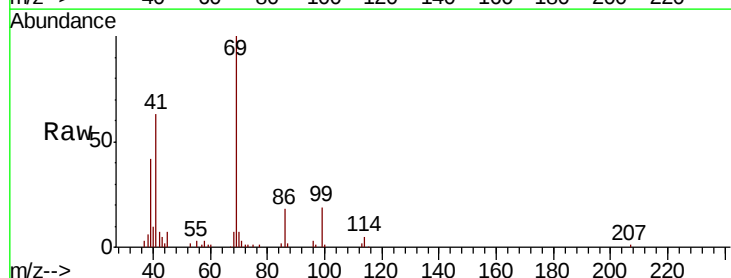
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion: 69 Resp: 57972

Ion	Ratio	Lower	Upper
69	100		
41	63.2	57.1	85.7
39	42.5	34.7	52.1

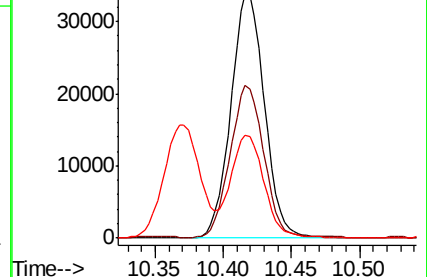
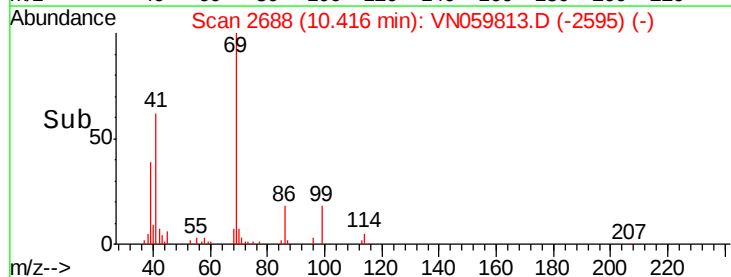


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.465 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

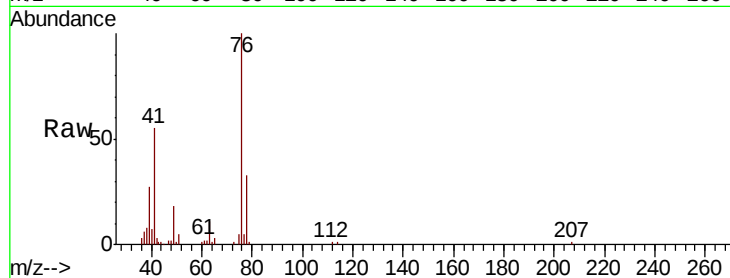
ClientSampled :

Tot Ion: 76 Resp: 65001

Ion Ratio Lower Upper

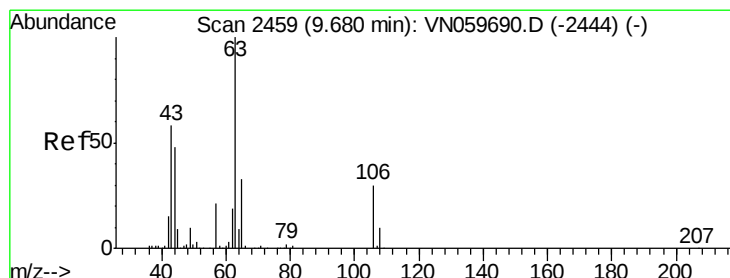
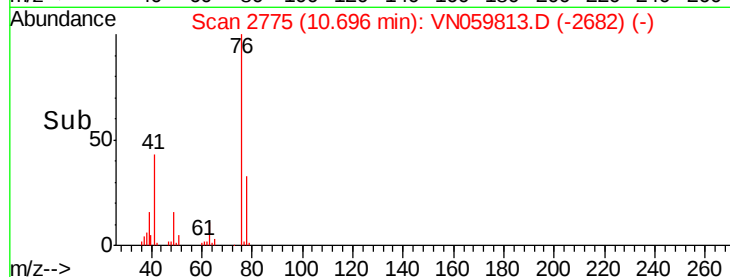
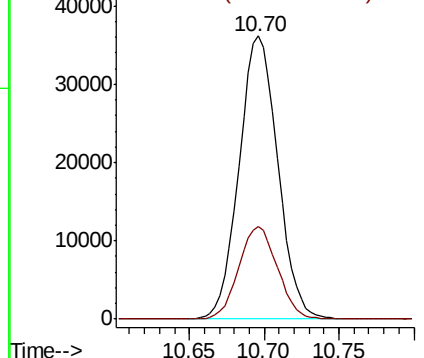
76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.625 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059813.D

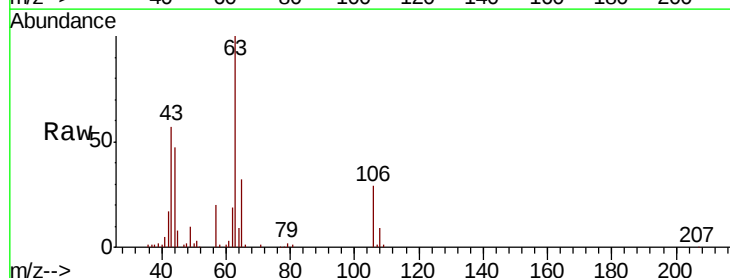
Acq: 21 Jan 2020 17:11

Tgt Ion: 63 Resp: 96332

Ion Ratio Lower Upper

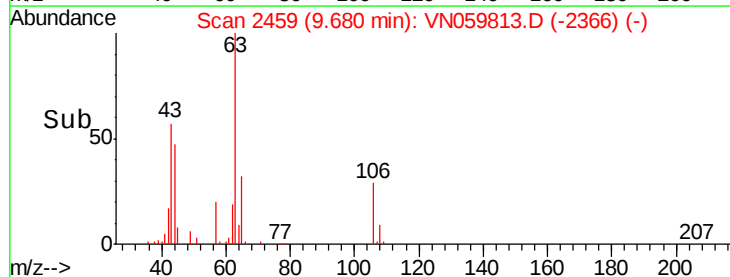
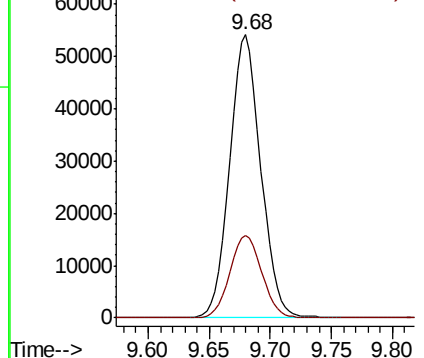
63 100

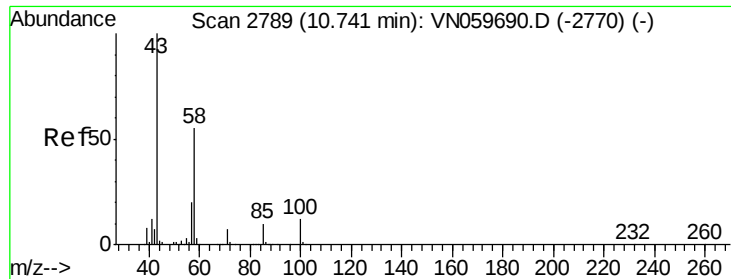
106 29.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

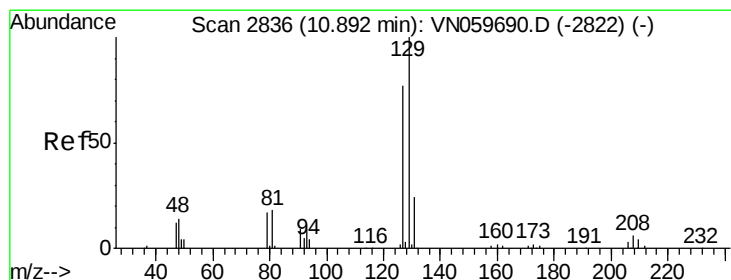
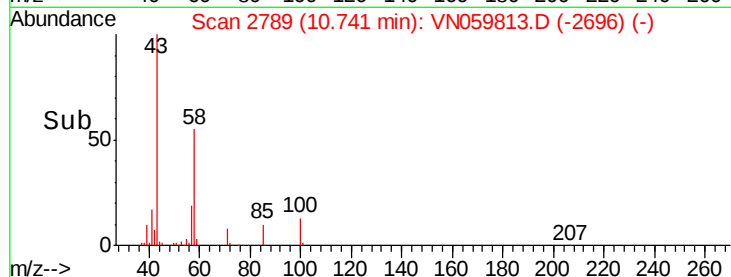
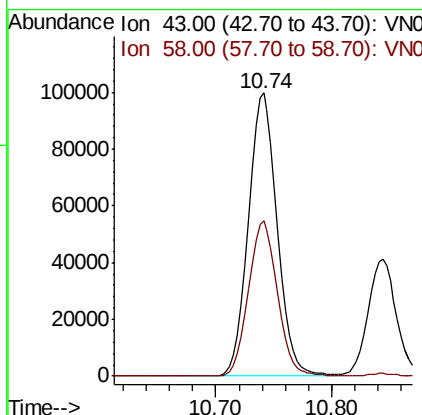
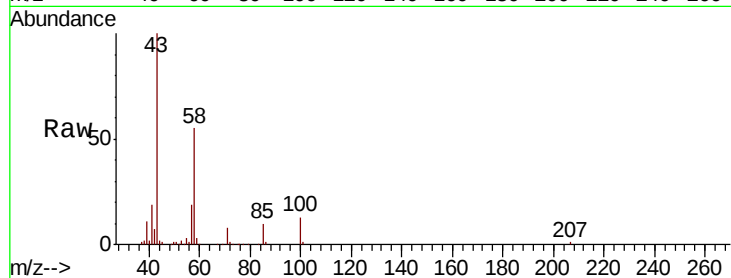




#59
2-Hexanone
Concen: 94.422 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

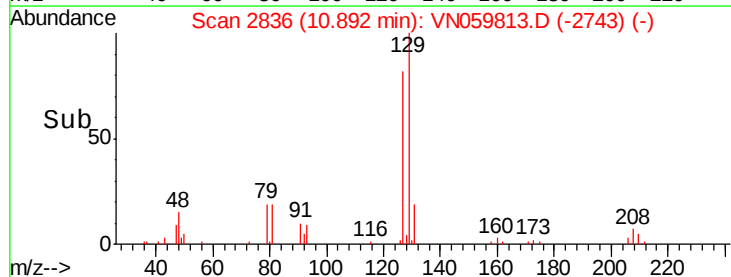
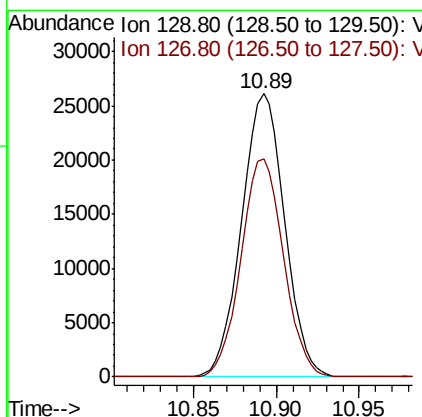
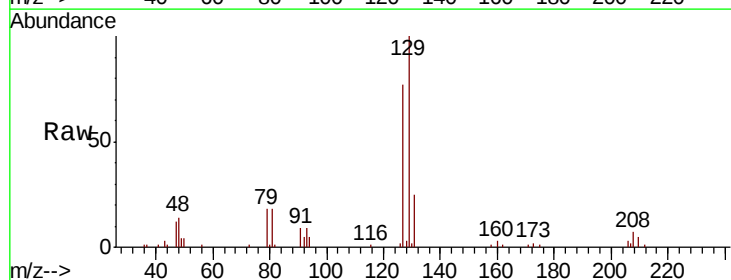
Instrument :
MSVOA_N
ClientSampleId :

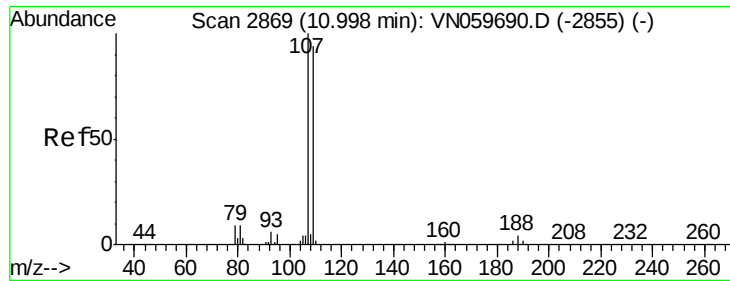
Tot Ion: 43 Resp: 173943
Ion Ratio Lower Upper
43 100
58 54.9 25.8 77.3



#60
Dibromochloromethane
Concen: 20.750 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 129 Resp: 47271
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.5

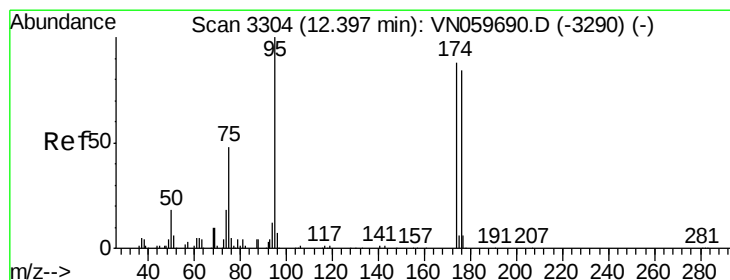
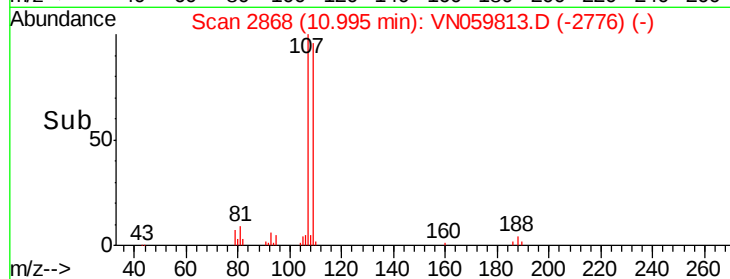
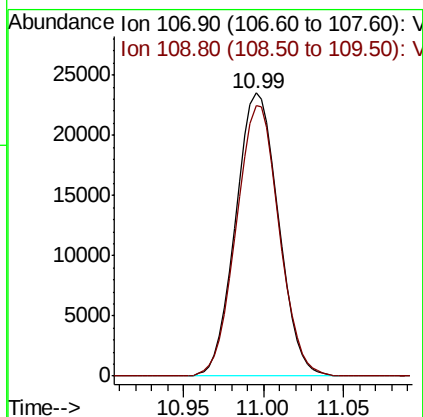
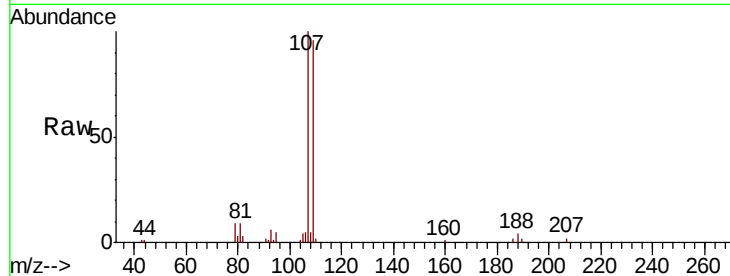




#61
 1,2-Dibromoethane
 Concen: 20.393 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

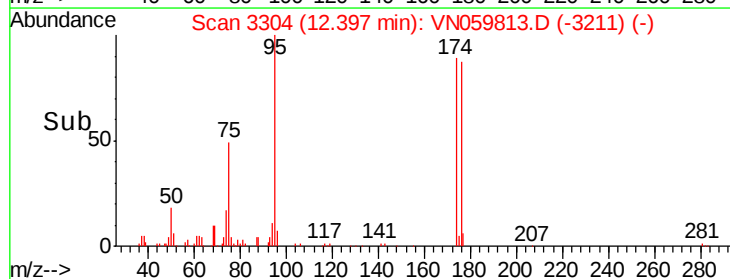
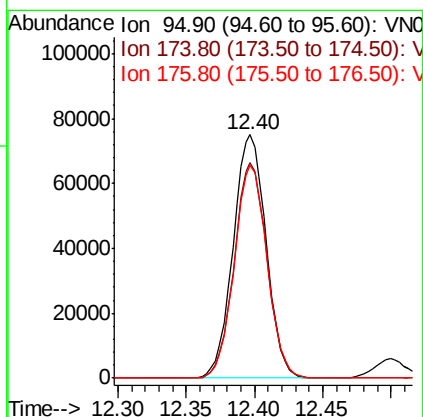
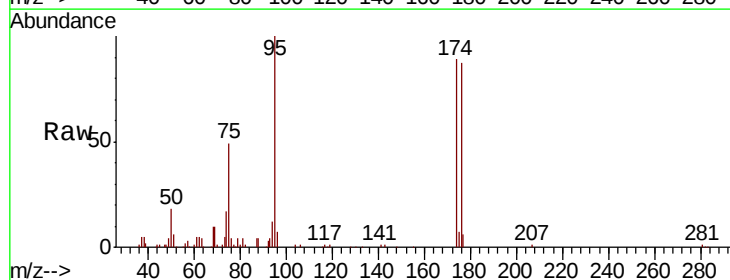
Instrument :
 MSVOA_N
 ClientSampled :

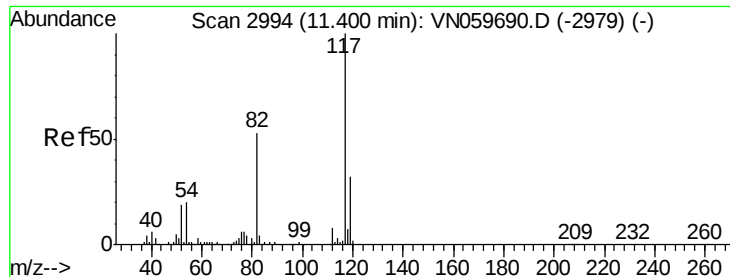
Tot Ion:107 Resp: 42760
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 49.067 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 95 Resp: 125843
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 151.4
 176 86.5 0.0 146.0

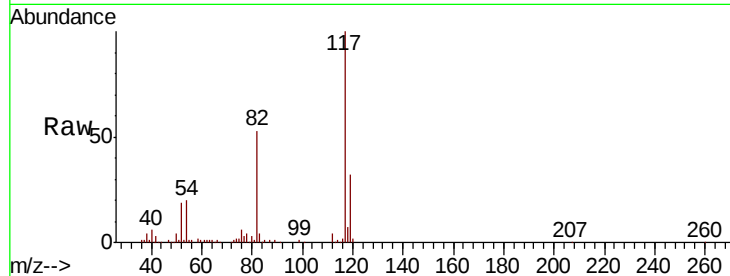




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.9	68.9
119	31.9	25.5	38.3

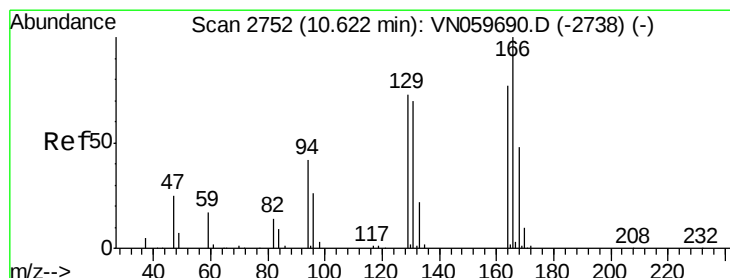
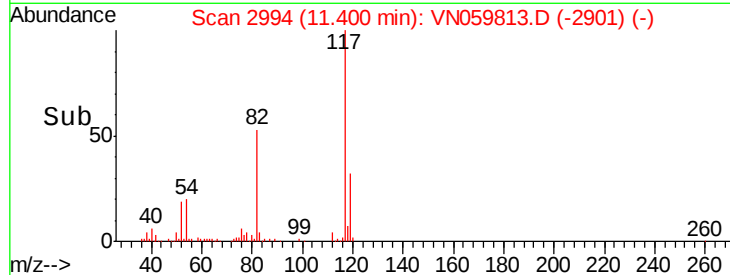
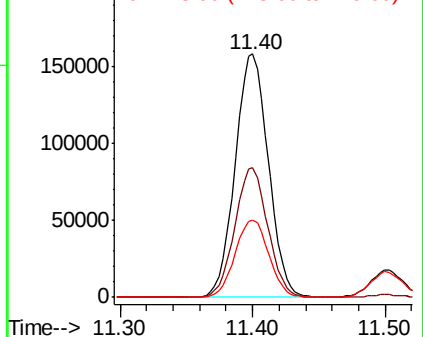


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.468 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.4	152.0
129	90.4	80.2	120.4
131	89.0	75.0	112.4

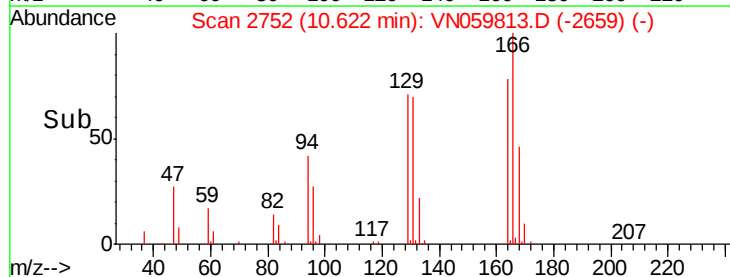
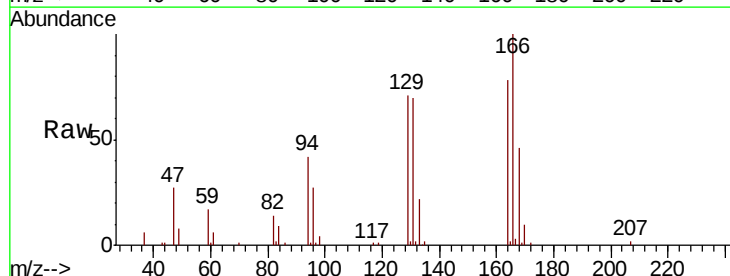
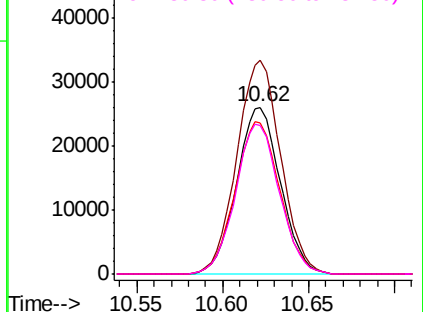
Abundance

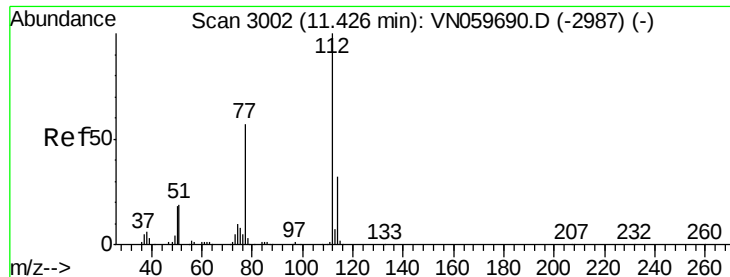
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

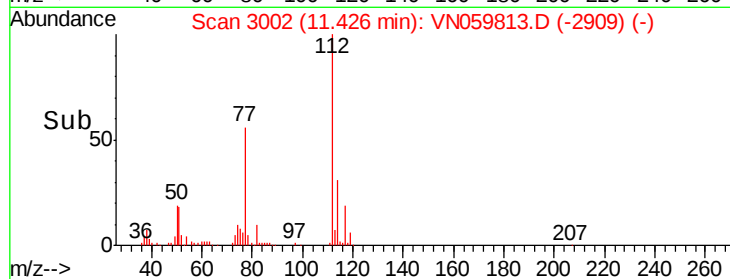
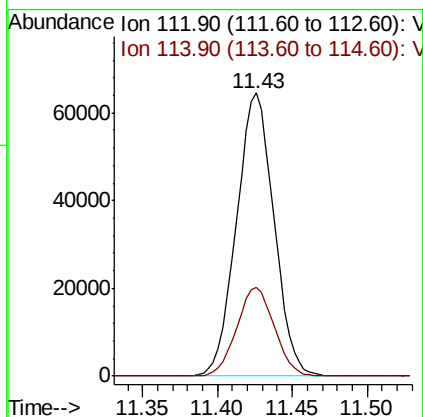
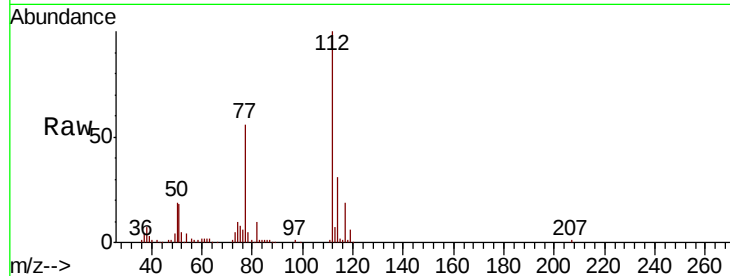




#65
Chlorobenzene
Concen: 20.815 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

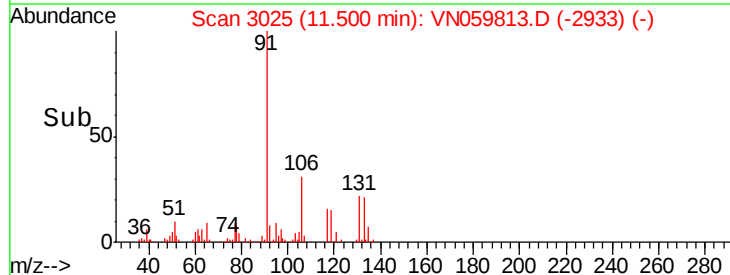
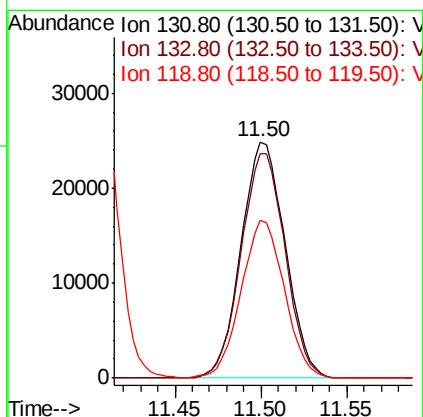
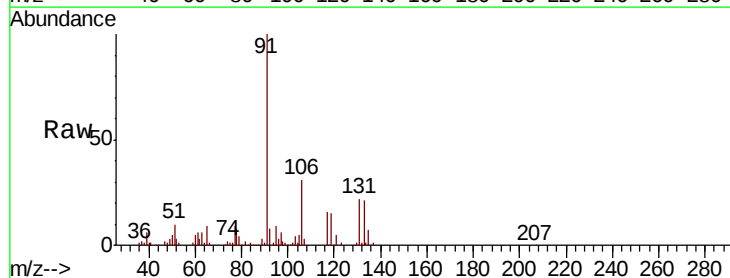
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 112576
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.173 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion:131 Resp: 44248
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.2
119 65.6 33.1 99.3





#67

Ethyl Benzene

Concen: 20.227 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

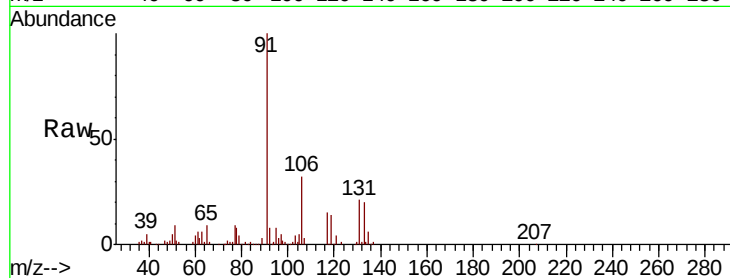
ClientSampleId :

Tot Ion: 91 Resp: 198586

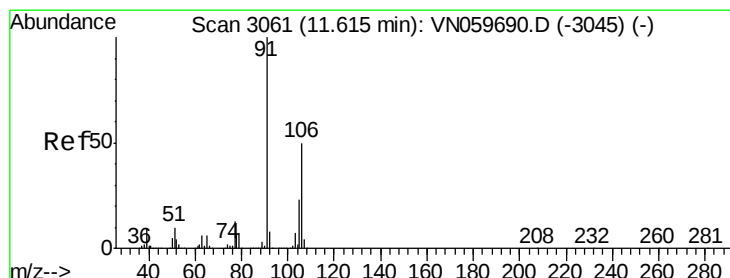
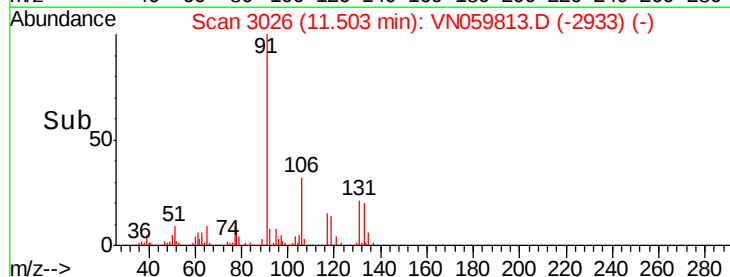
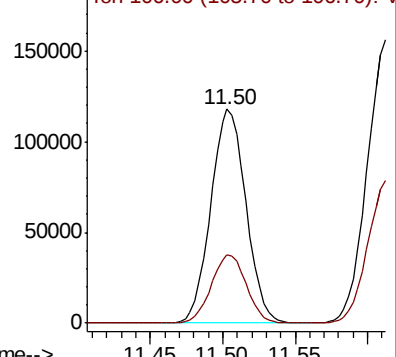
Ion Ratio Lower Upper

91 100

106 31.9 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059813.D (-2933) (-)



#68

m/p-Xylenes

Concen: 40.946 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059813.D

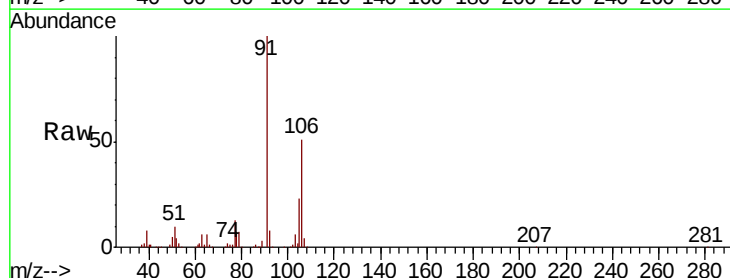
Acq: 21 Jan 2020 17:11

Tgt Ion: 106 Resp: 151858

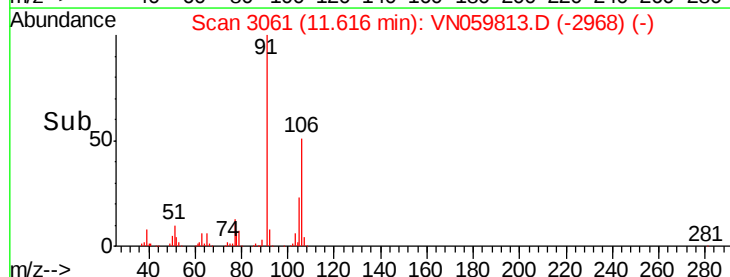
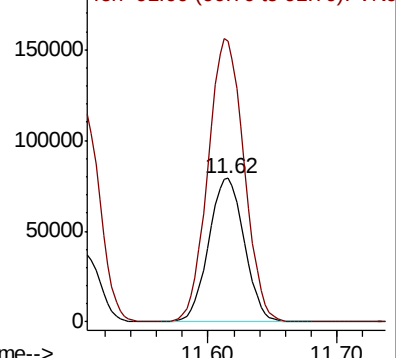
Ion Ratio Lower Upper

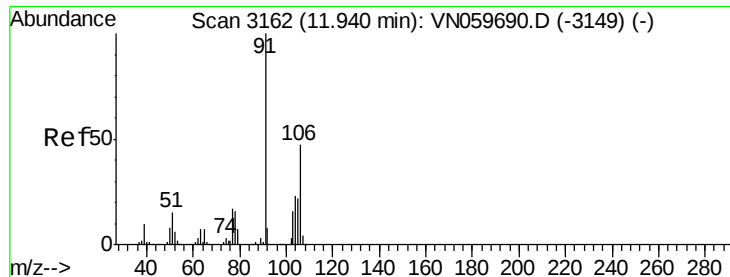
106 100

91 199.7 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059813.D (-2968) (-)

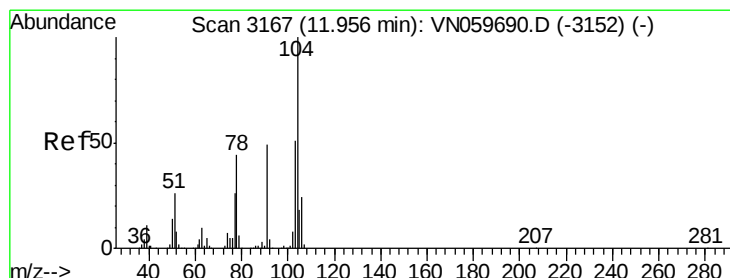
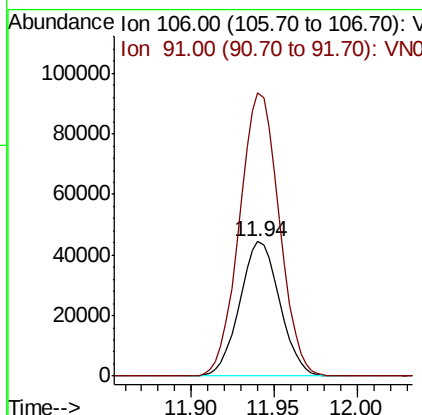
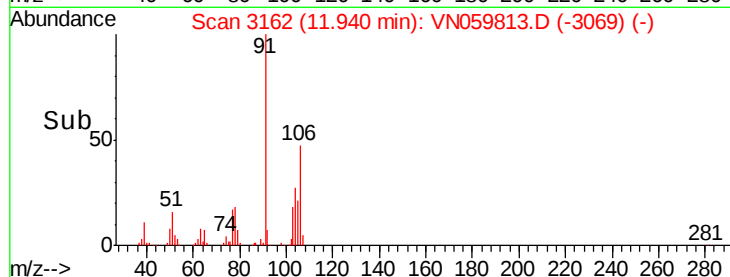
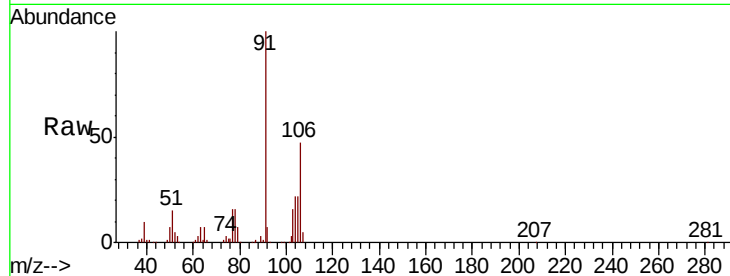




#69
o-Xylene
Concen: 20.553 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

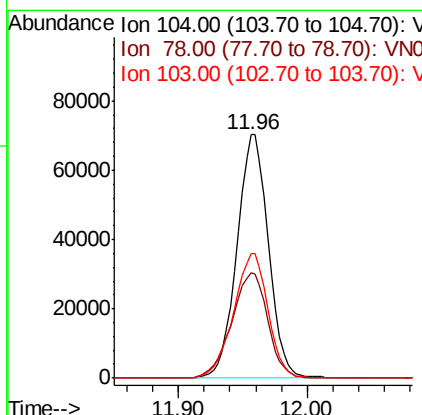
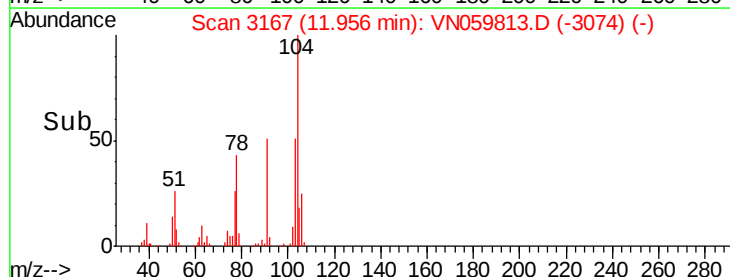
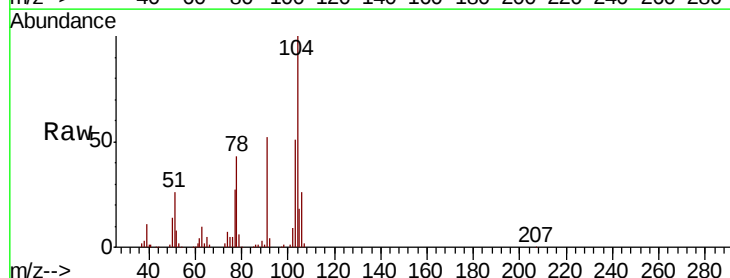
Instrument :
MSVOA_N
ClientSampled :

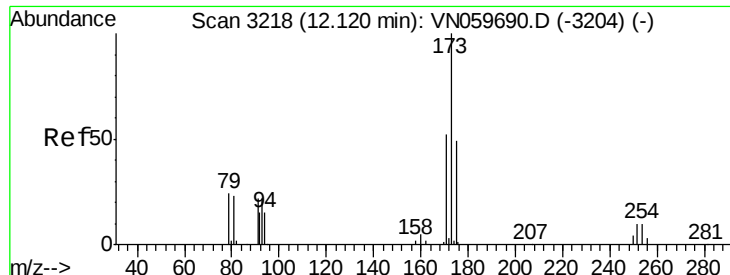
Tot Ion:106 Resp: 74626
Ion Ratio Lower Upper
106 100
91 209.3 110.3 330.9



#70
Styrene
Concen: 19.633 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion:104 Resp: 119283
Ion Ratio Lower Upper
104 100
78 49.3 42.4 63.6
103 55.9 43.9 65.9

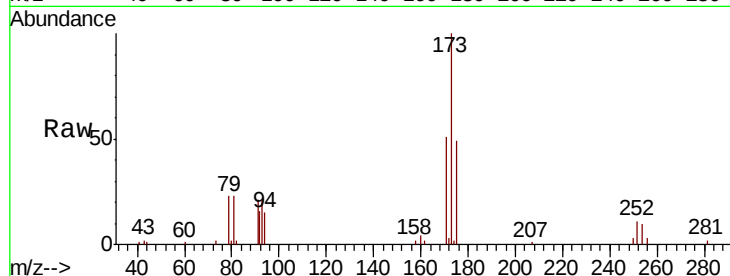




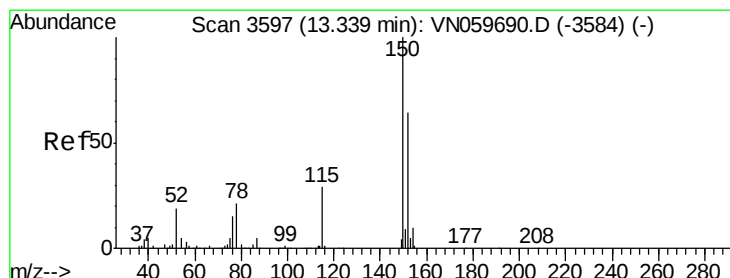
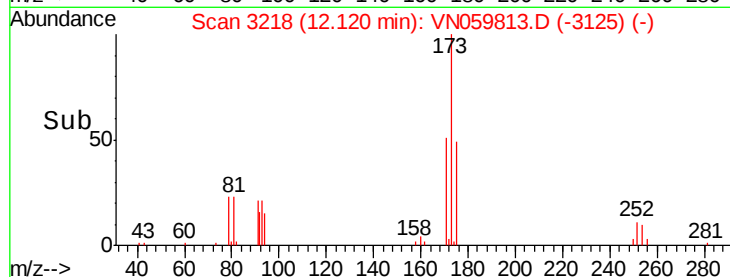
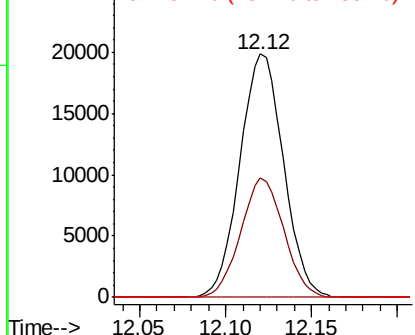
#71
Bromoform
Concen: 20.823 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 34857
Ion Ratio Lower Upper
173 100
175 48.6 23.8 71.4
254 0.0 0.0 0.0

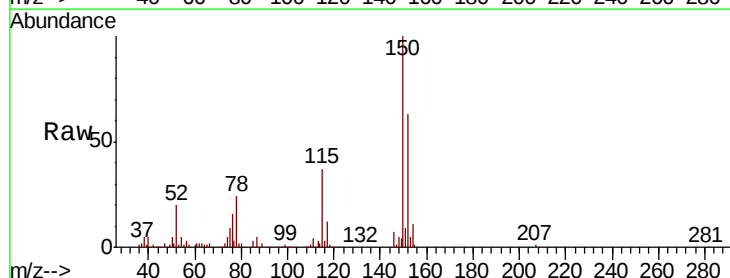


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

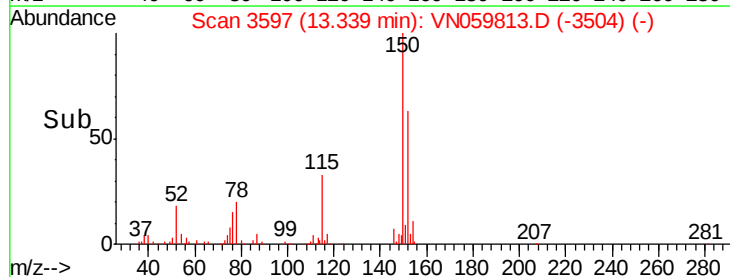
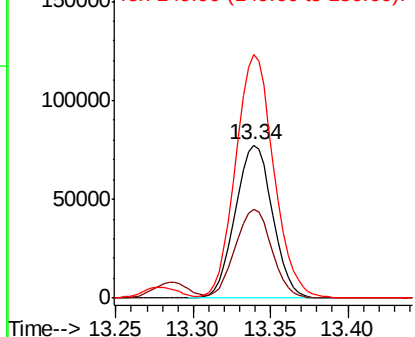


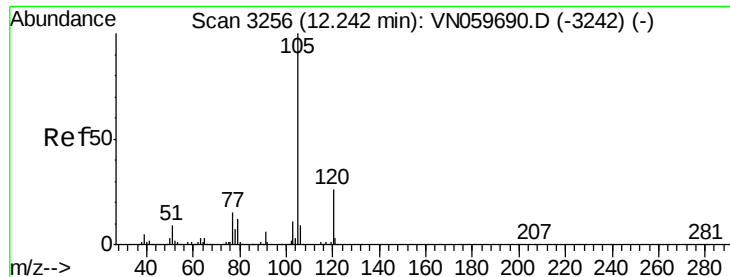
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion:152 Resp: 129425
Ion Ratio Lower Upper
152 100
115 57.5 30.3 90.9
150 163.6 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: 21.180 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

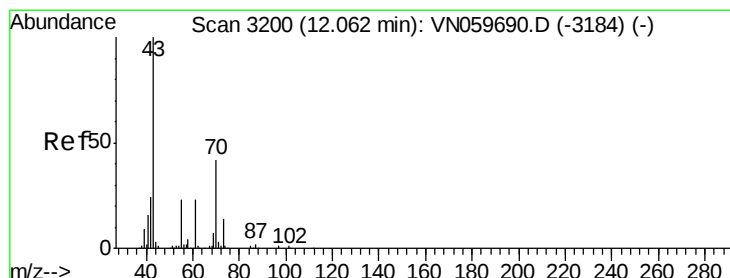
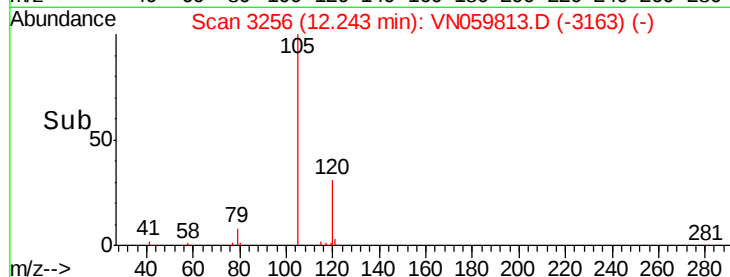
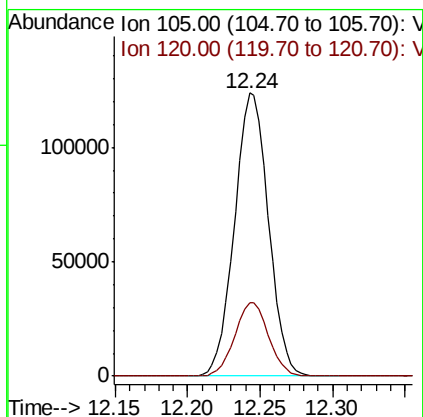
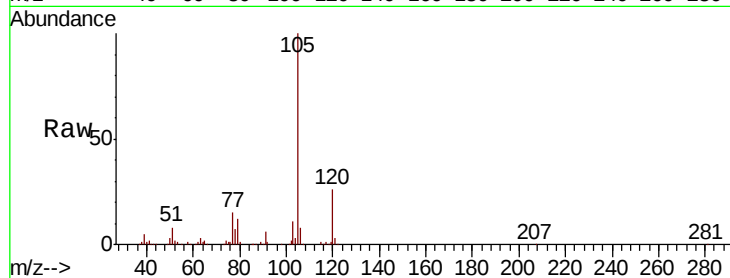
ClientSampled :

Tot Ion: 105 Resp: 201042

Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.5



#74

N-ethyl acetate

Concen: 18.481 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion: 43 Resp: 68068

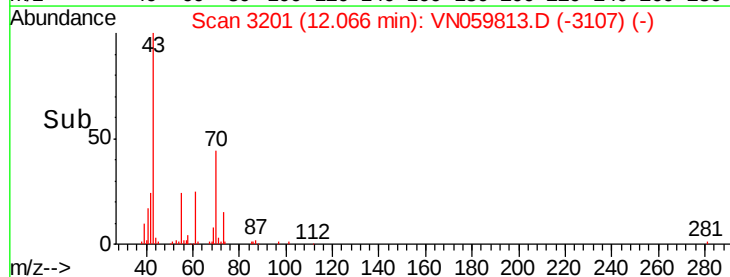
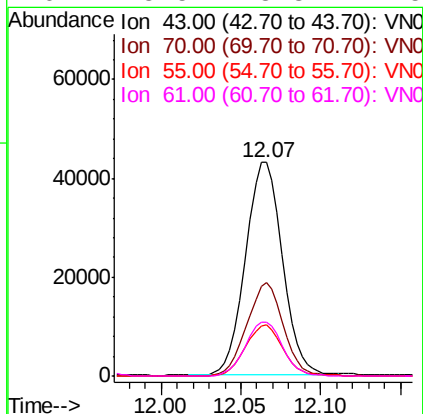
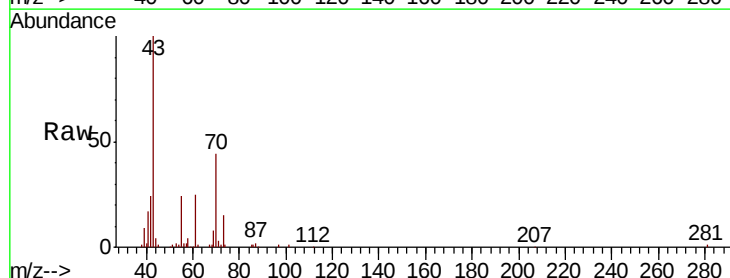
Ion Ratio Lower Upper

43 100

70 43.2 31.3 46.9

55 24.4 19.8 29.6

61 25.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.032 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

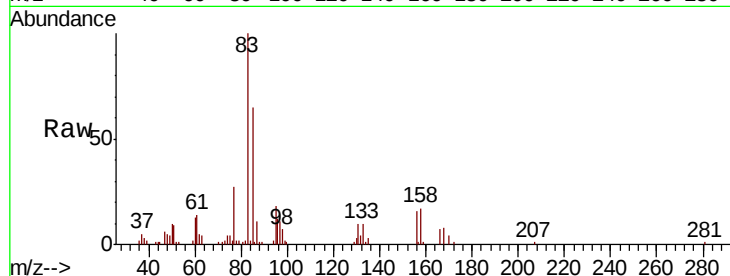
Tot Ion: 83 Resp: 55123

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

85 66.4 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059813.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059813.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059813.D (-3243) (-)

12.50

30000

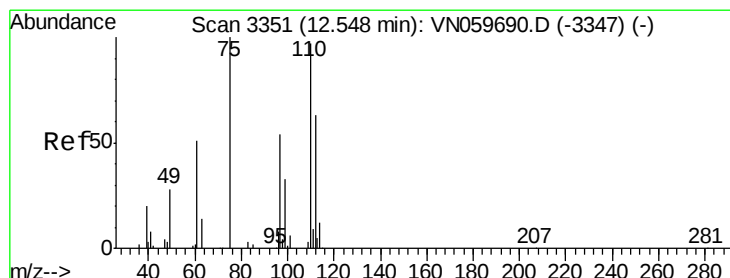
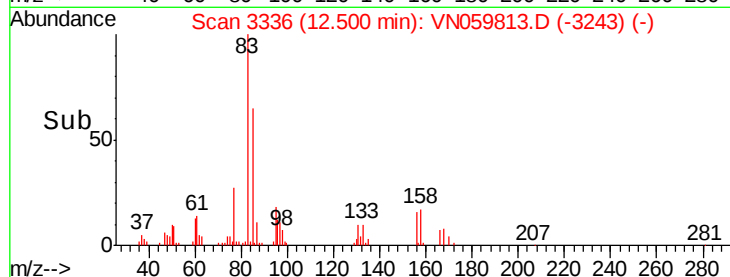
20000

10000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 34.205 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059813.D

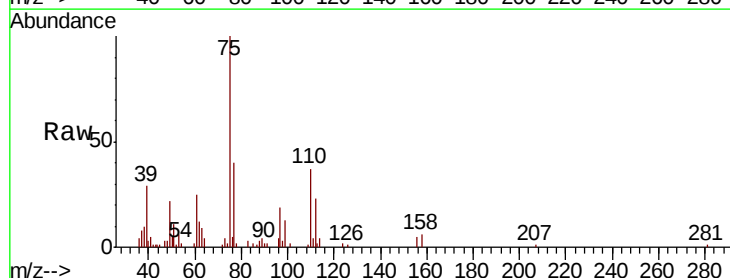
Acq: 21 Jan 2020 17:11

Tgt Ion: 75 Resp: 74501

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059813.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059813.D (-3258) (-)

12.55

50000

40000

30000

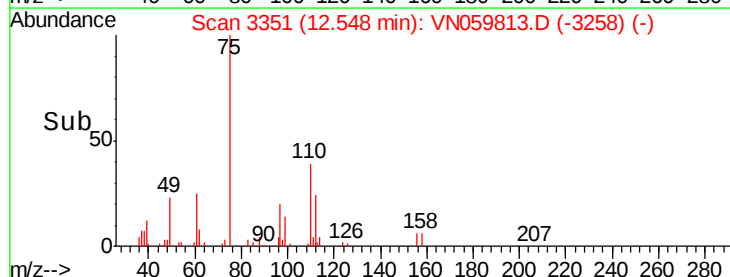
20000

10000

0

Time-->

12.50 12.55 12.60





#77

Bromobenzene

Concen: 20.962 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

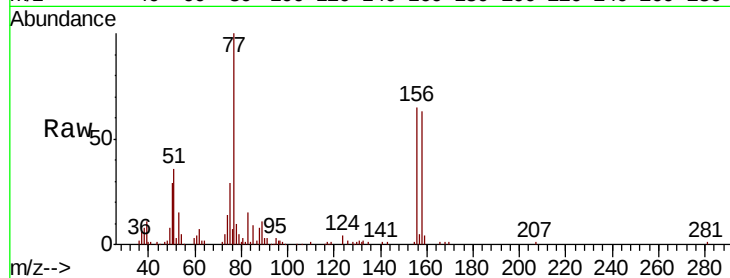
Tot Ion:156 Resp: 50387

Ion Ratio Lower Upper

156 100

77 185.6 115.8 347.4

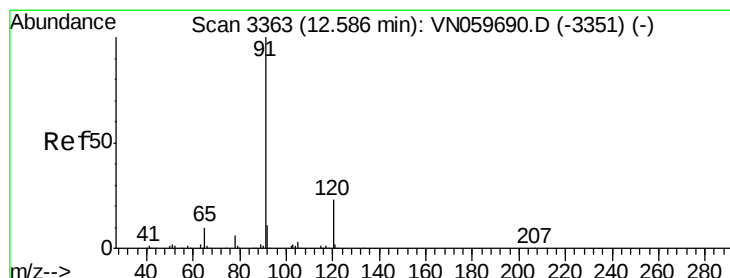
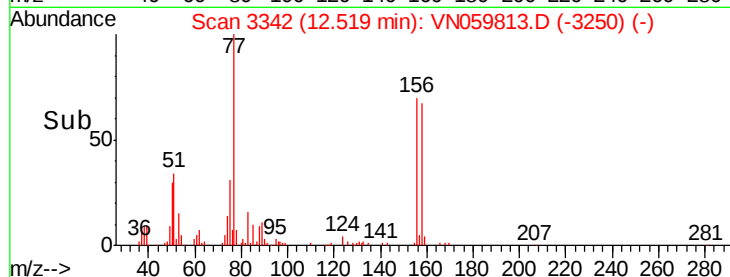
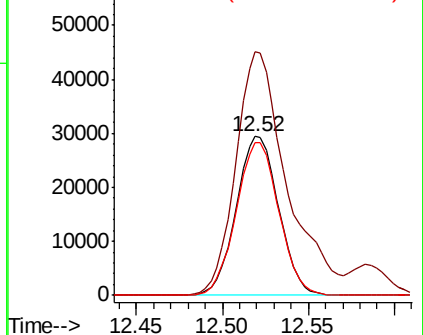
158 97.0 49.2 147.6



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: 20.400 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059813.D

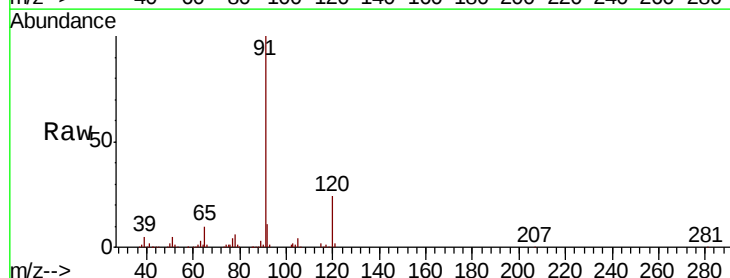
Acq: 21 Jan 2020 17:11

Tgt Ion: 91 Resp: 217333

Ion Ratio Lower Upper

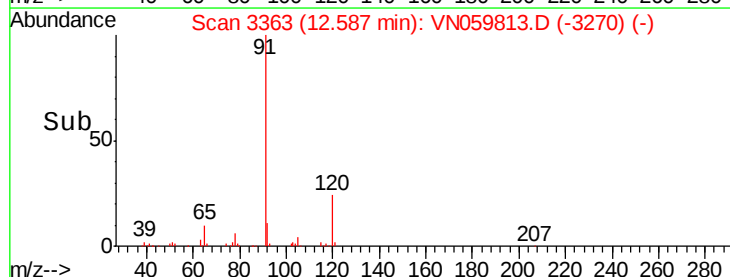
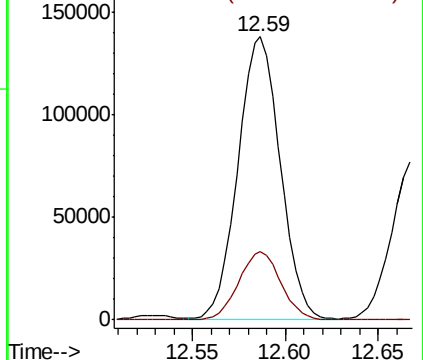
91 100

120 24.1 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: 20.415 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

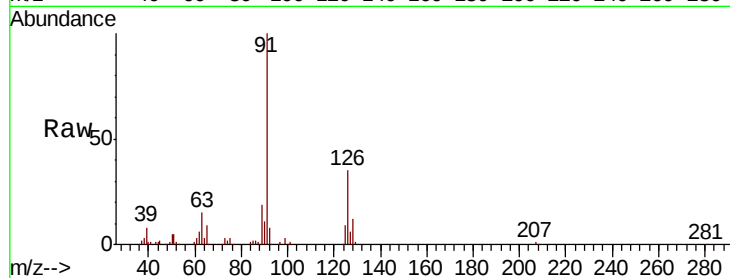
ClientSampled :

Tot Ion: 91 Resp: 129386

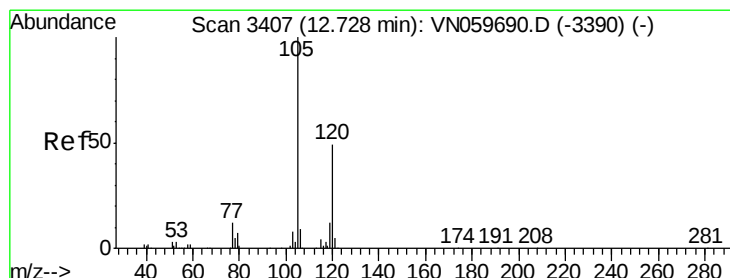
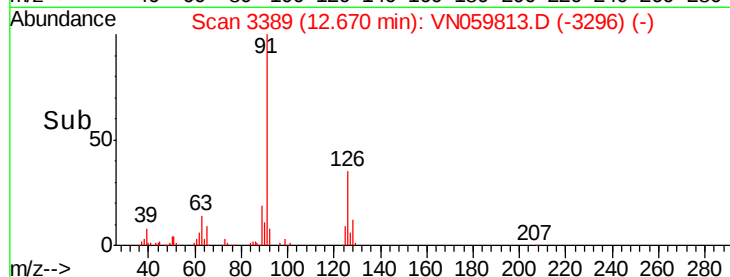
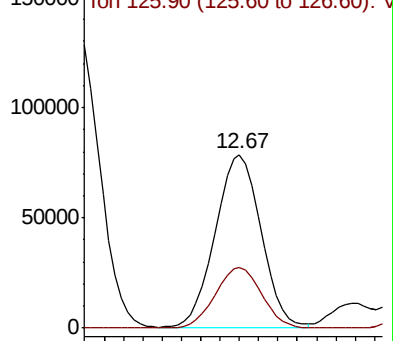
Ion Ratio Lower Upper

91 100

126 35.6 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059813.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.758 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059813.D

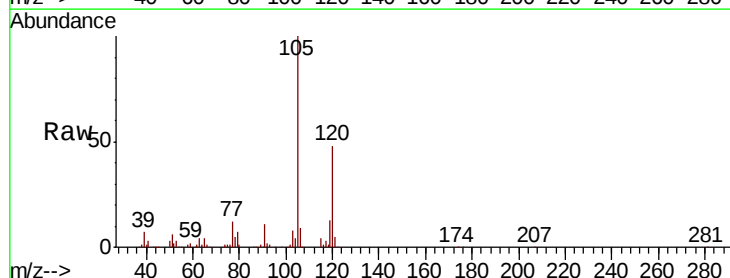
Acq: 21 Jan 2020 17:11

Tgt Ion: 105 Resp: 165709

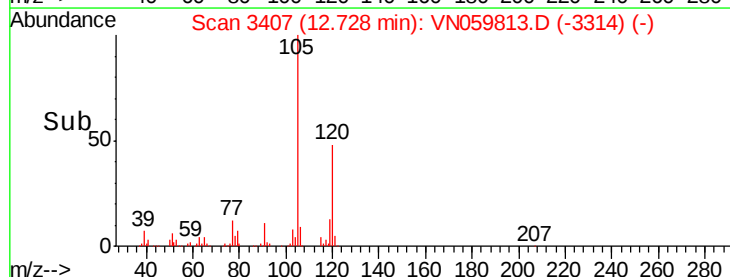
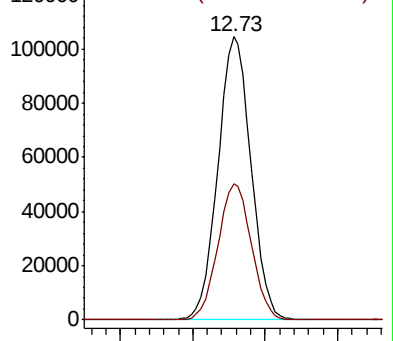
Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059813.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.944 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampled :

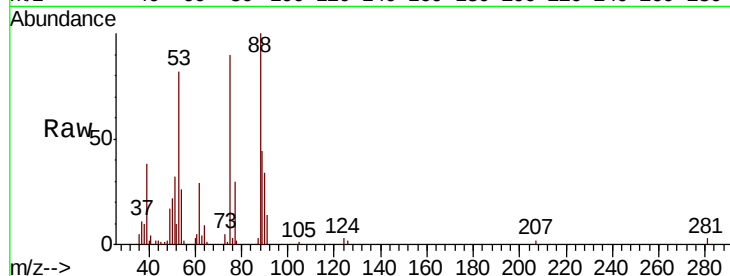
Tot Ion: 75 Resp: 20228

Ion Ratio Lower Upper

75 100

53 89.3 78.1 117.1

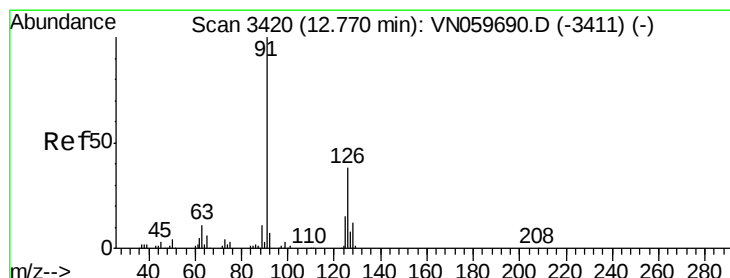
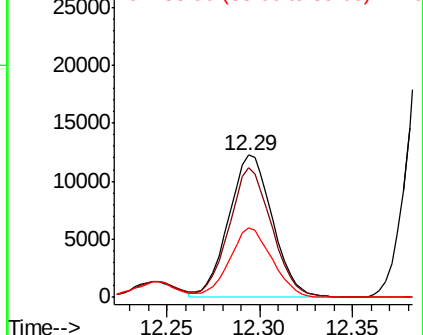
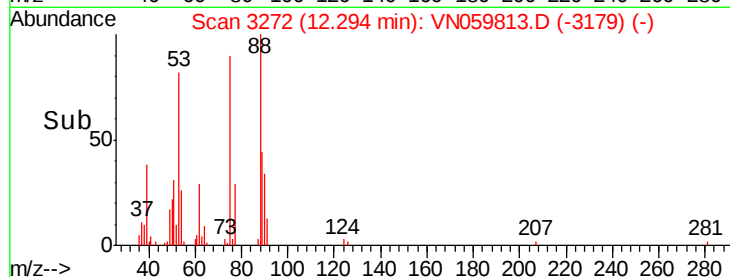
89 47.1 35.4 53.2



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: 20.635 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059813.D

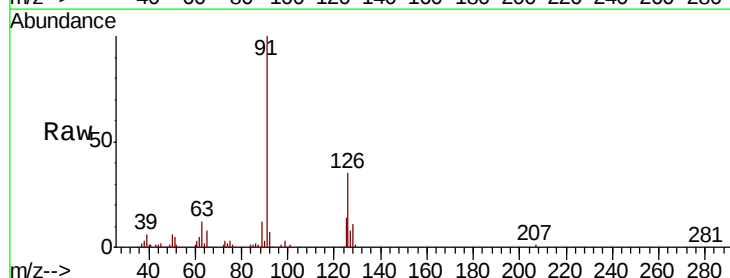
Acq: 21 Jan 2020 17:11

Tgt Ion: 91 Resp: 131175

Ion Ratio Lower Upper

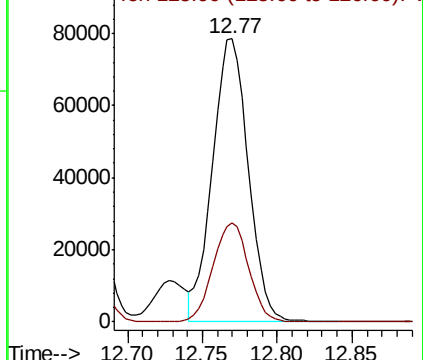
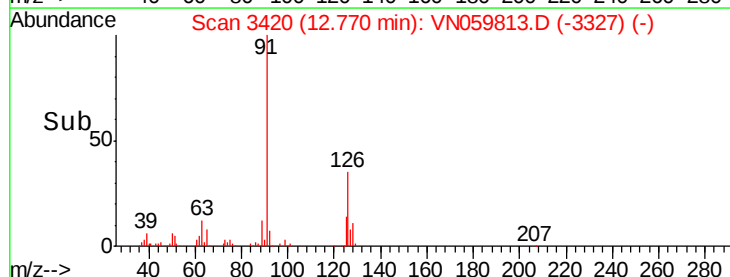
91 100

126 34.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

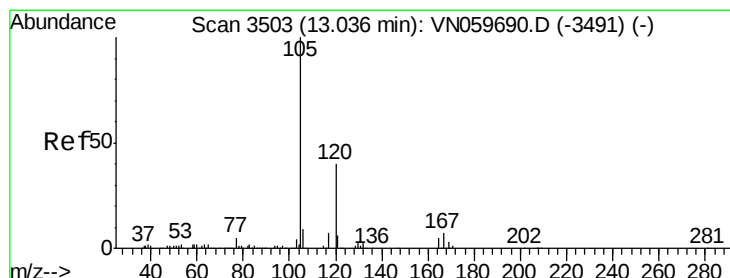
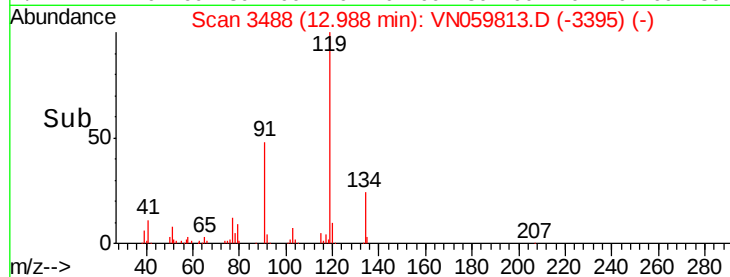
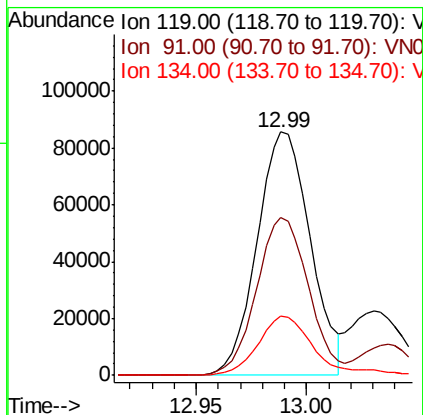
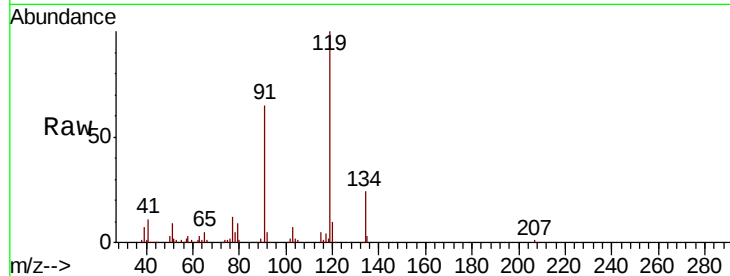




#83
tert-Butylbenzene
Concen: 20.793 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

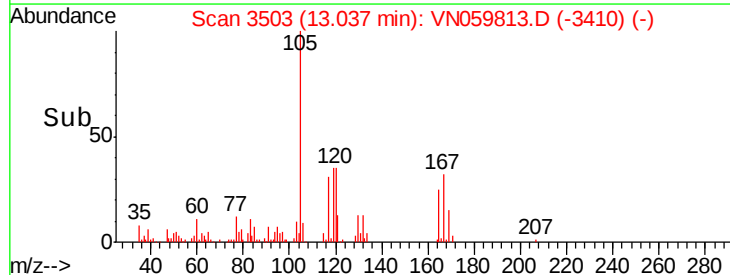
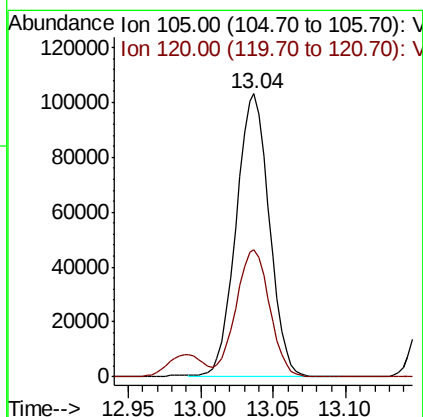
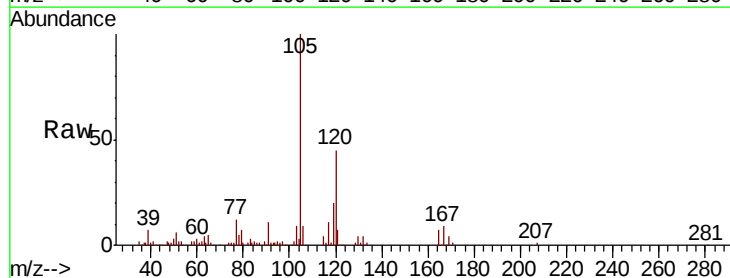
Instrument :
MSVOA_N
ClientSampled :

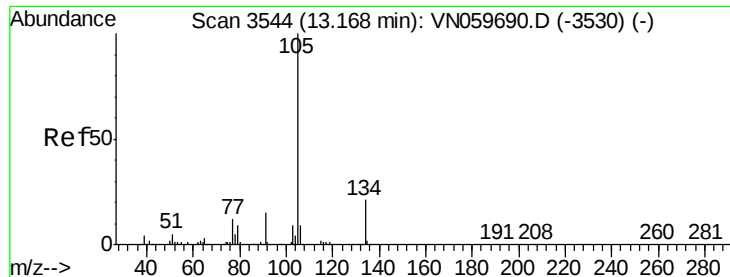
Tot Ion:119 Resp: 143554
Ion Ratio Lower Upper
119 100
91 63.4 34.8 104.4
134 25.6 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 20.789 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion:105 Resp: 164183
Ion Ratio Lower Upper
105 100
120 45.5 22.3 66.9

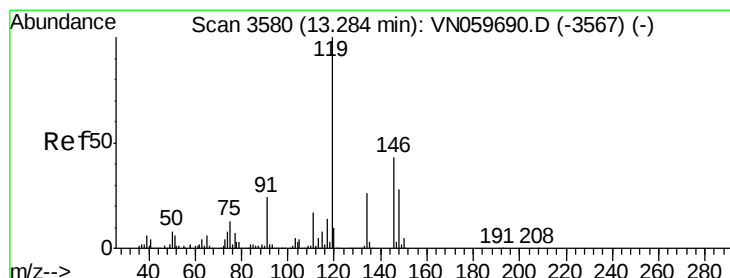
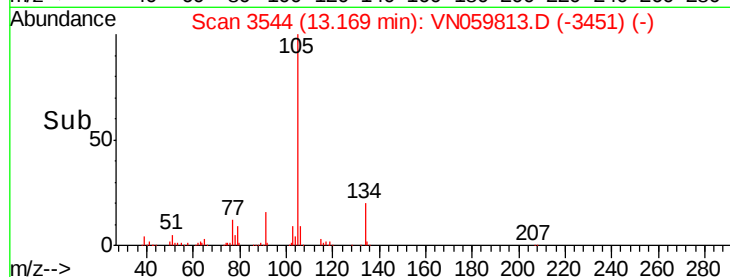
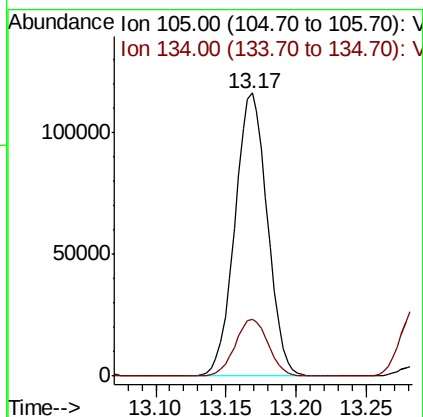
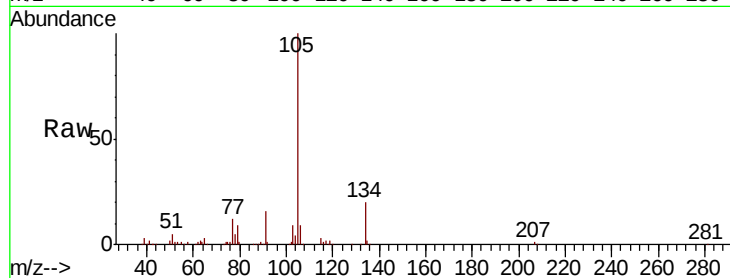




#85
 sec-Butylbenzene
 Concen: 20.628 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

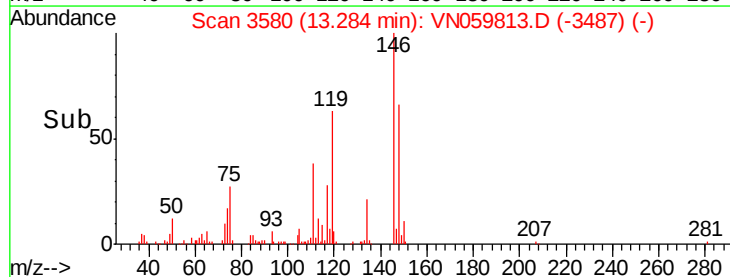
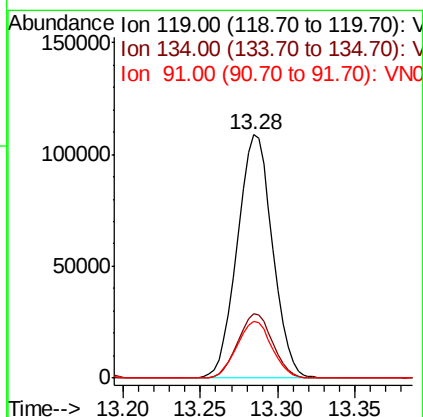
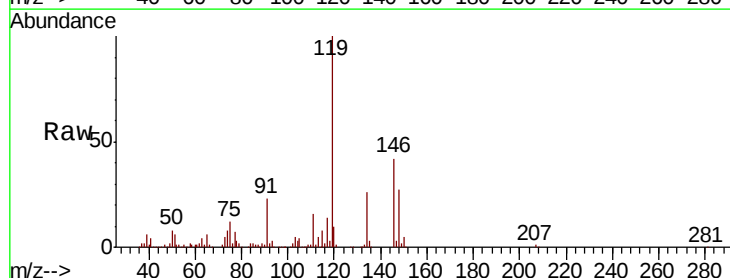
Instrument :
 MSVOA_N
 ClientSampleId :

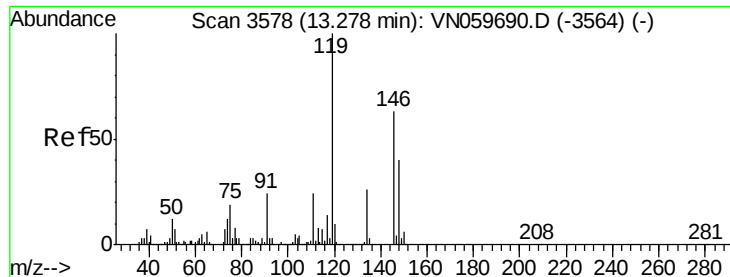
Tot Ion:105 Resp: 187118
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.484 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion:119 Resp: 171925
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.7
 91 23.4 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 20.786 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

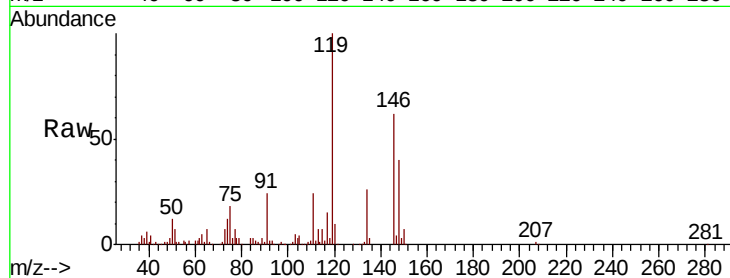
Tot Ion:146 Resp: 86791

Ion Ratio Lower Upper

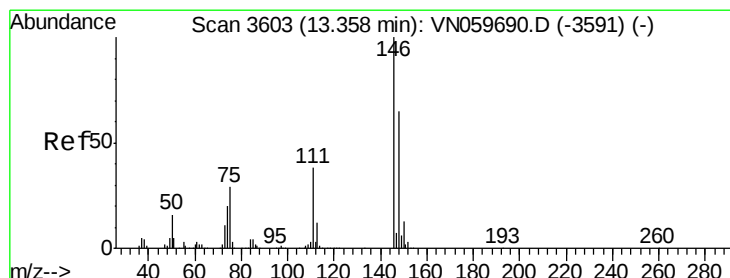
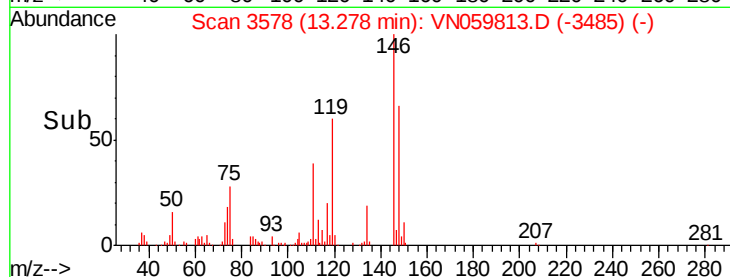
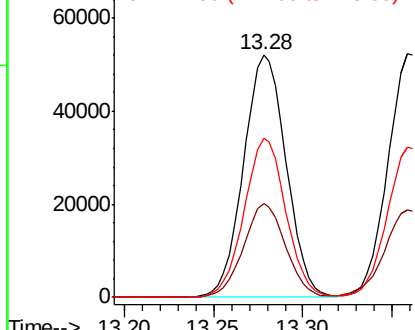
146 100

111 38.2 20.8 62.2

148 64.1 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: 20.845 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

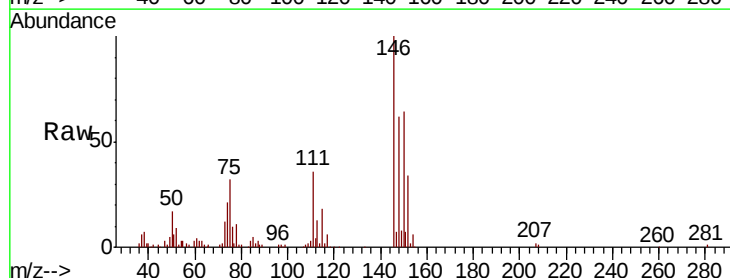
Tgt Ion:146 Resp: 86827

Ion Ratio Lower Upper

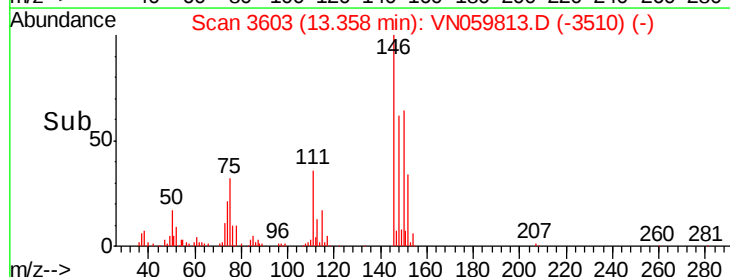
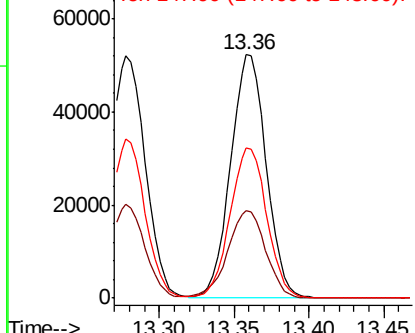
146 100

111 38.5 20.8 62.2

148 63.4 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

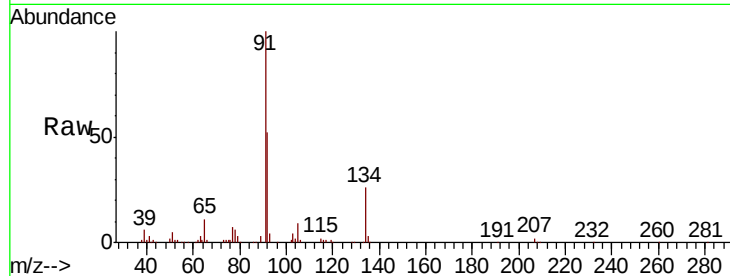




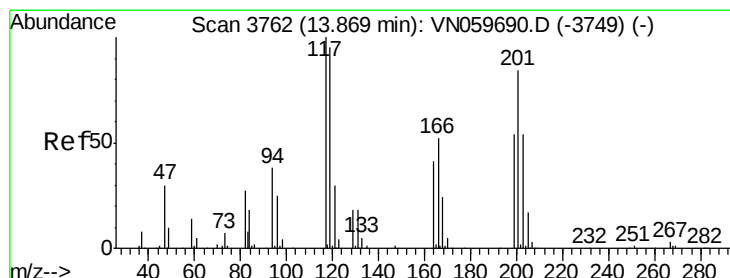
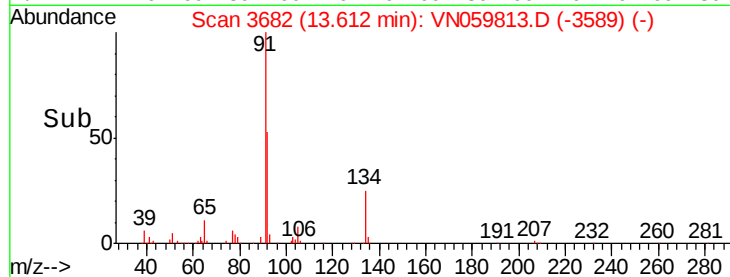
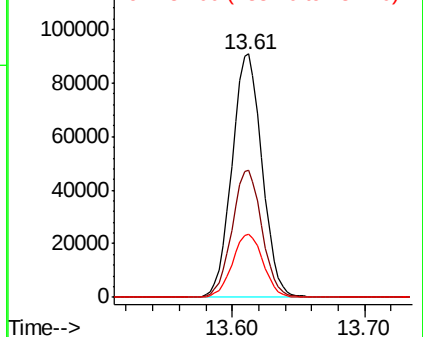
#89
n-Butylbenzene
Concen: 20.038 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 143399
Ion Ratio Lower Upper
91 100
92 51.6 25.9 77.7
134 26.5 12.3 36.8

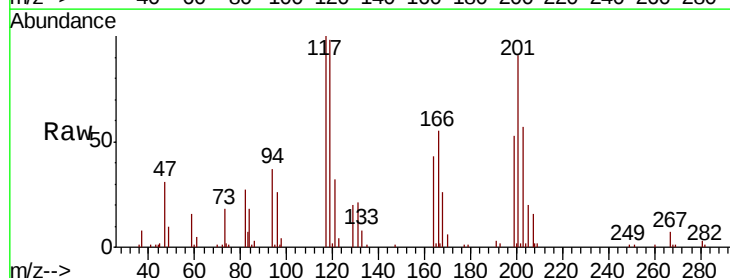


Abundance Ion 91.00 (90.70 to 91.70): VN059813.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN059813.D (-3670) (-)
Ion 134.00 (133.70 to 134.70): VN059813.D (-3671) (-)

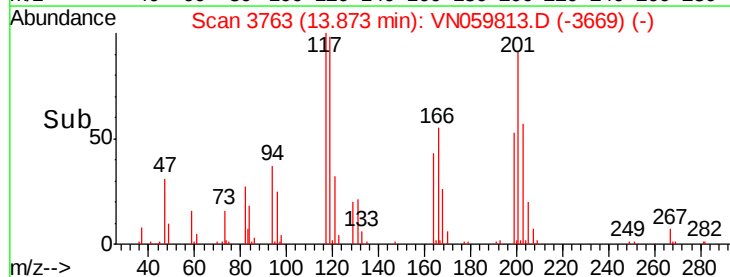
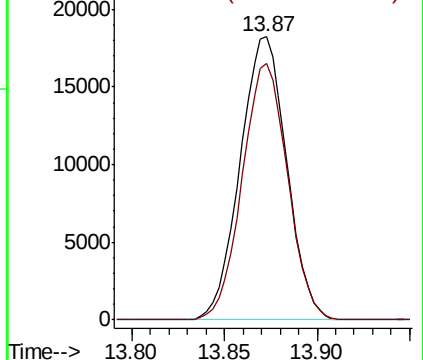


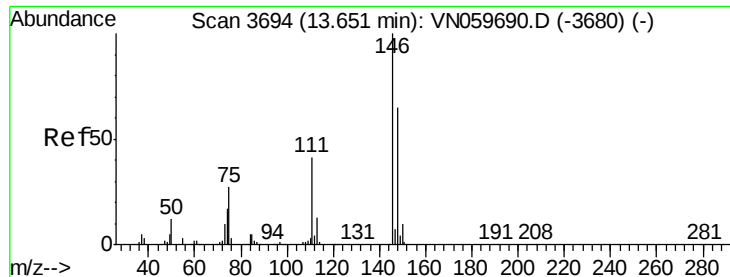
#90
Hexachloroethane
Concen: 20.163 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 117 Resp: 31664
Ion Ratio Lower Upper
117 100
201 88.5 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059813.D (-3669) (-)
Ion 200.70 (200.40 to 201.40): VN059813.D (-3670) (-)





#91

1,2-Dichlorobenzene

Concen: 20.760 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059813.D

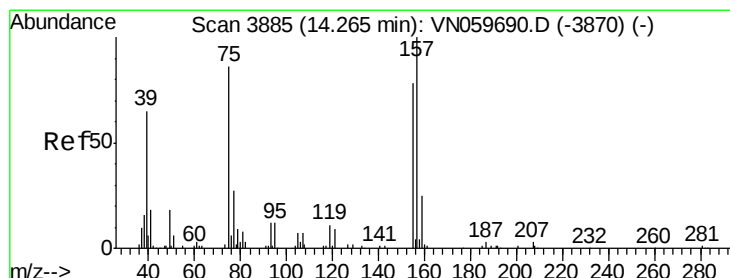
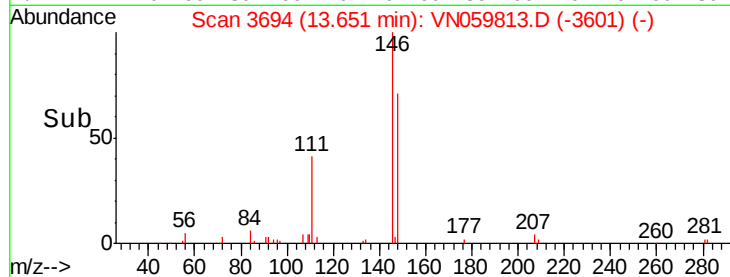
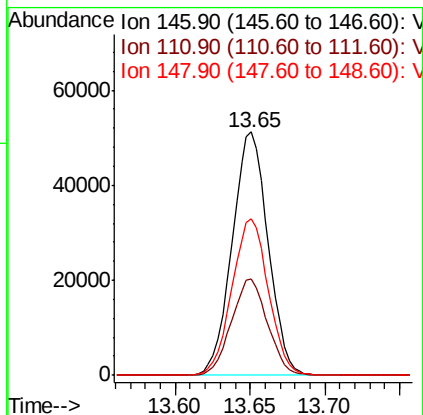
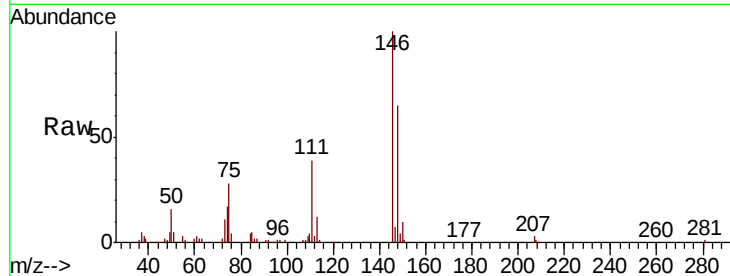
Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	85693
Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.6	64.8
148	65.1	31.6	95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.872 ug/l

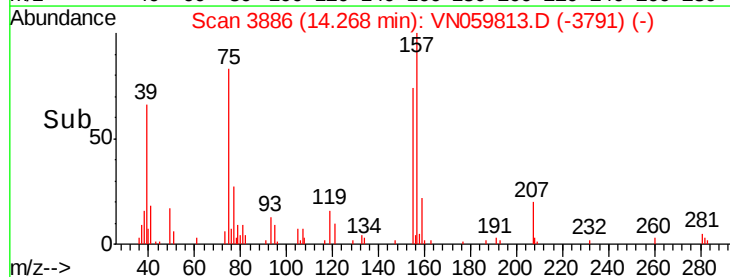
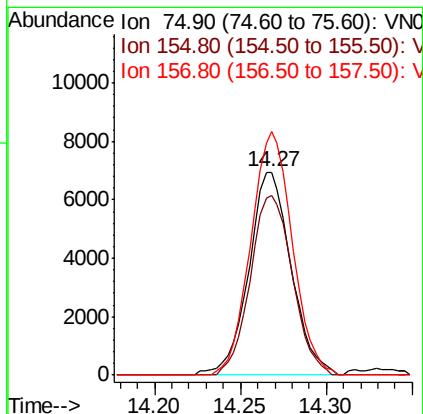
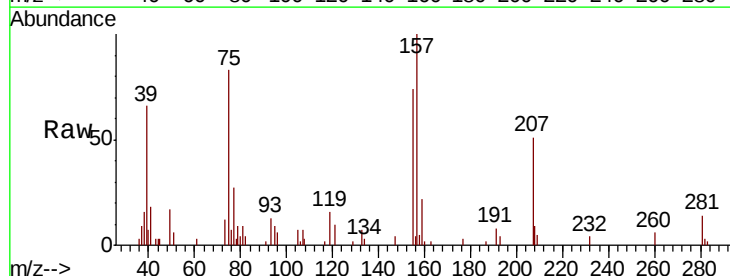
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion:	75	Resp:	11914
Ion	Ratio	Lower	Upper
75	100		
155	87.2	37.0	110.9
157	117.1	48.4	145.2

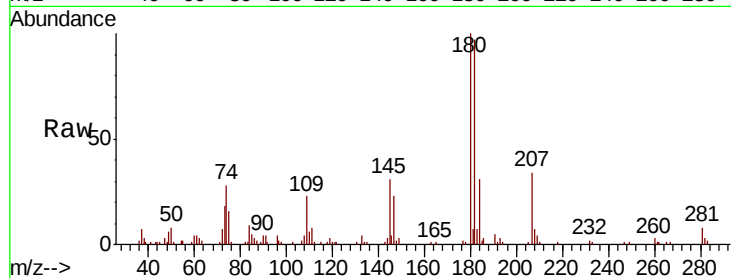




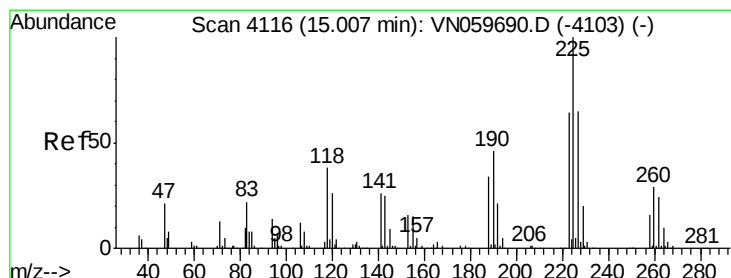
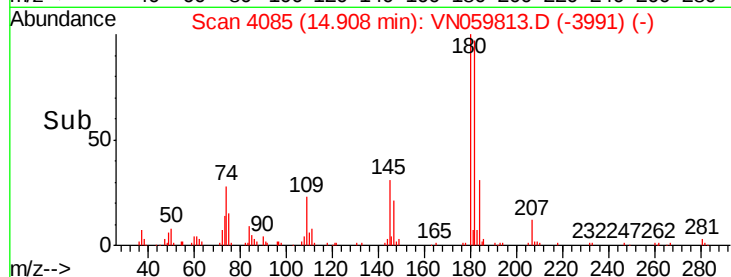
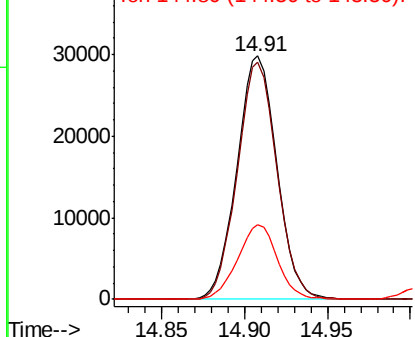
#93
 1,2,4-Trichlorobenzene
 Concen: 20.184 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 50063
 Ion Ratio Lower Upper
 180 100
 182 96.3 46.9 140.7
 145 30.5 15.0 45.1

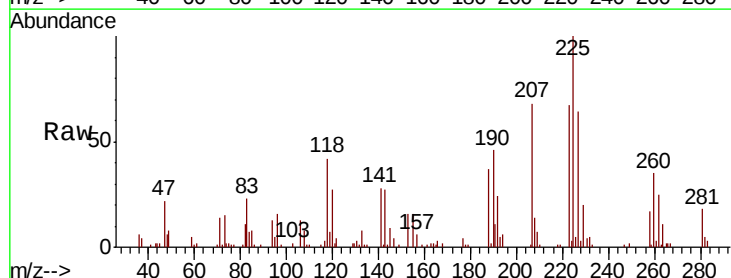


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

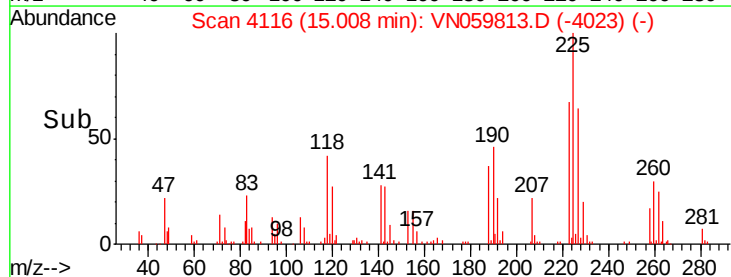
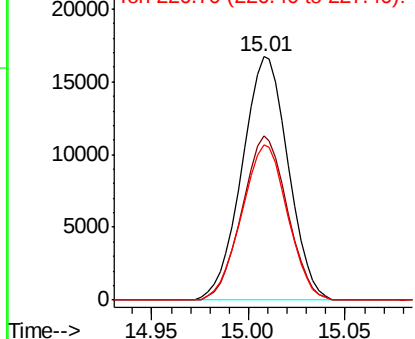


#94
 Hexachlorobutadiene
 Concen: 20.328 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion:225 Resp: 27785
 Ion Ratio Lower Upper
 225 100
 223 65.8 31.8 95.3
 227 63.4 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

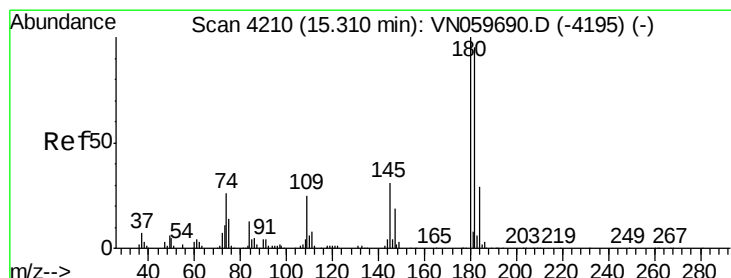
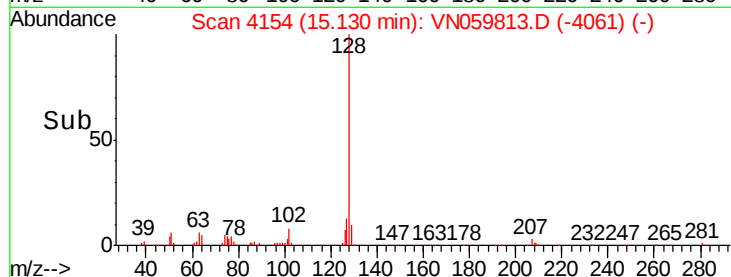
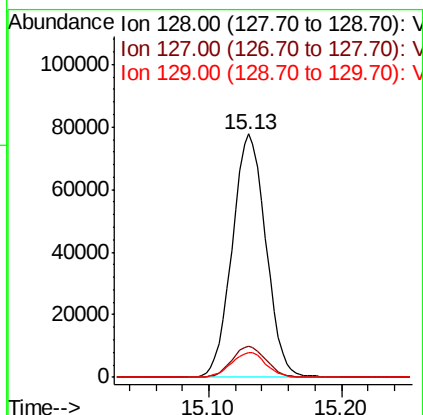
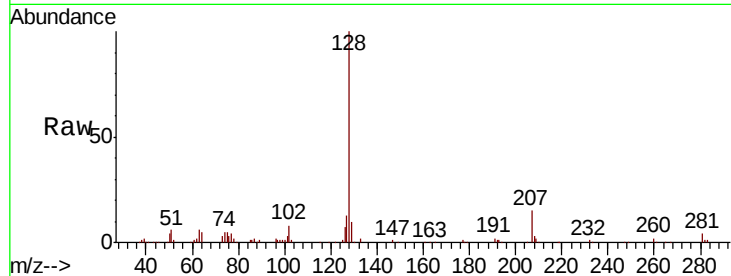




#95
Naphthalene
Concen: 19.379 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 136719
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.651 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion:180 Resp: 49858
Ion Ratio Lower Upper
180 100
182 96.0 47.4 142.3
145 31.9 16.3 48.9

