

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063079.D
 Acq On : 21 Aug 2020 14:39
 Operator : JC/MD
 Sample : L3698-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0208

Quant Time: Aug 22 01:22:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	153455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	256933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	261293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	93833	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	7.55	113	82626	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.06	98	323929	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.38	95	125554	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	

Target Compounds

						Qvalue
3) Chloromethane	2.04	50	699	0.332	ug/l	88
4) Vinyl Chloride	2.16	62	19510	9.588	ug/l	98
6) Chloroethane	2.67	64	516	0.430	ug/l #	43
13) Acrolein	3.57	56	8529	105.682	ug/l	98
16) Acetone	3.78	43	34276	57.414	ug/l	99
17) Carbon Disulfide	4.01	76	1956	0.573	ug/l #	76
18) Methyl Acetate	4.28	43	7874	4.357	ug/l	96
20) Methylene Chloride	4.50	84	980	Below Cal		97
21) trans-1,2-Dichloroethene	4.99	96	1351	0.991	ug/l	85
22) Diisopropyl ether	6.00	45	1663	0.319	ug/l #	1
23) Vinyl Acetate	6.00	43	4035	1.147	ug/l #	73
25) 2-Butanone	6.79	43	32437	33.594	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	56372	32.993	ug/l	92
29) Tetrahydrofuran	7.17	42	7445	11.947	ug/l #	87
30) Chloroform	7.33	83	1527	0.521	ug/l	94
31) Cyclohexane	7.63	56	3353	1.251	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11436	5.051	ug/l #	48
37) Ethyl Acetate	6.89	43	9209	4.341	ug/l #	78
38) Carbon Tetrachloride	7.63	117	13976	6.114	ug/l #	17
39) Methylcyclohexane	9.05	83	32	1.572	ug/l #	22
40) Benzene	8.00	78	35096	4.887	ug/l	95
41) Methacrylonitrile	7.16	41	13951	13.801	ug/l #	35
43) Isopropyl Acetate	7.97	43	3954	1.125	ug/l #	70
44) Trichloroethene	8.80	130	5145	2.880	ug/l	84
47) Bromodichloromethane	9.13	83	615	0.234	ug/l #	1
48) Methyl methacrylate	9.13	41	99094	59.586	ug/l #	36
49) 1,4-Dioxane	9.17	88	322	23.958	ug/l #	23
51) 4-Methyl-2-Pentanone	9.96	43	1685	0.758	ug/l #	67
56) Ethyl methacrylate	10.35	69	575	1.935	ug/l #	1
59) 2-Hexanone	10.83	43	1095633	707.002	ug/l #	46
60) Dibromochloromethane	10.60	129	13983	6.821	ug/l #	11
64) Tetrachloroethene	10.60	164	16146	9.400	ug/l	98
70) Styrene	11.94	104	429	1.989	ug/l #	35
71) Bromoform	12.38	173	1028	0.633	ug/l #	1

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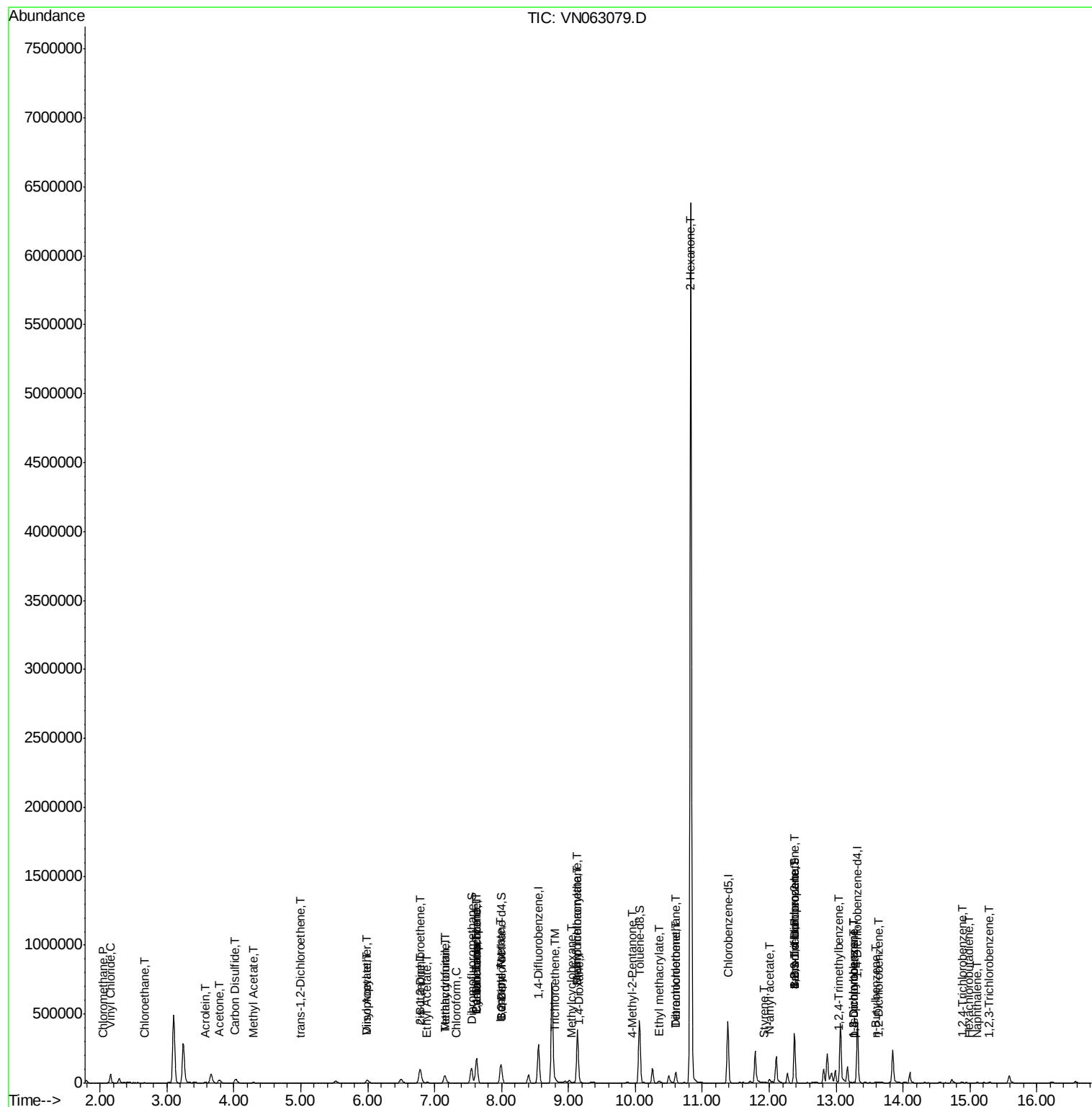
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	12.00	43	17168	5.728	uq/l #	43
75) 1,1,2,2-Tetrachloroethane	12.48	83	384	Below Cal	#	54
76) 1,2,3-Trichloropropane	12.38	75	59749	25.155	uq/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59749	69.088	uq/l #	15
84) 1,2,4-Trimethylbenzene	13.03	105	4285	0.636	uq/l #	31
86) p-Isopropyltoluene	13.26	119	2223	0.316	uq/l	92
87) 1,3-Dichlorobenzene	13.26	146	860	0.217	uq/l	96
88) 1,4-Dichlorobenzene	13.26	146	860	0.214	uq/l	95
89) n-Butylbenzene	13.59	91	3582	3.278	uq/l	89
91) 1,2-Dichlorobenzene	13.62	146	900	0.236	uq/l	85
93) 1,2,4-Trichlorobenzene	14.89	180	2082	5.439	uq/l	90
94) Hexachlorobutadiene	14.98	225	560	0.397	uq/l	80
95) Naphthalene	15.11	128	5931	6.721	uq/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	2269	4.972	uq/l	98

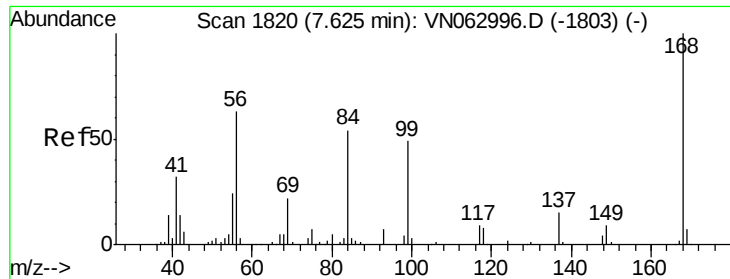
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

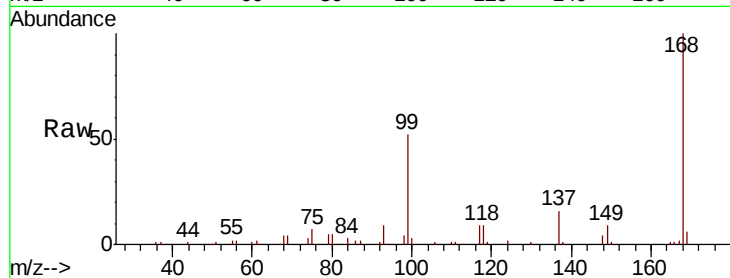
S39-0208

Tot Ion:168 Resp: 153455

Ion Ratio Lower Upper

168 100

99 51.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN062996.D (-1803) (-)

Ion 98.90 (98.60 to 99.60): VN062996.D (-1803) (-)

7.63

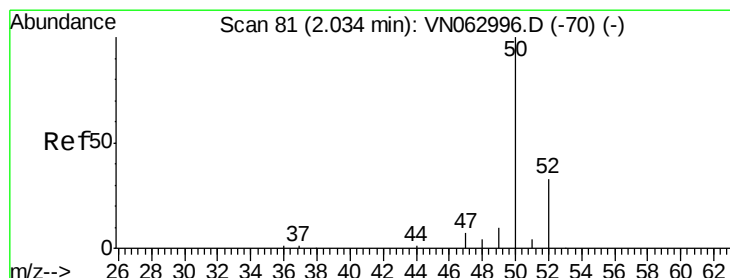
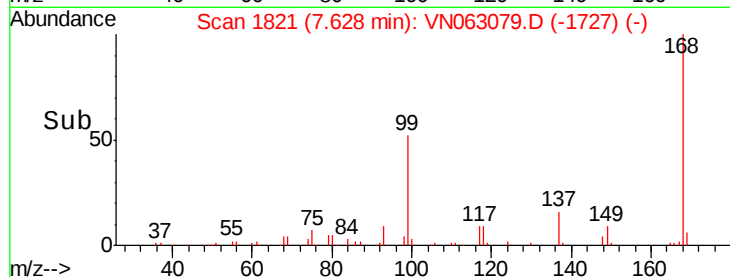
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.332 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063079.D

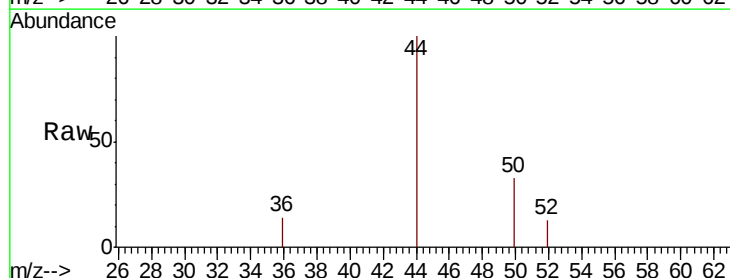
Acq: 21 Aug 2020 14:39

Tgt Ion: 50 Resp: 699

Ion Ratio Lower Upper

50 100

52 39.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN062996.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN062996.D (-70) (-)

2.04

600

500

400

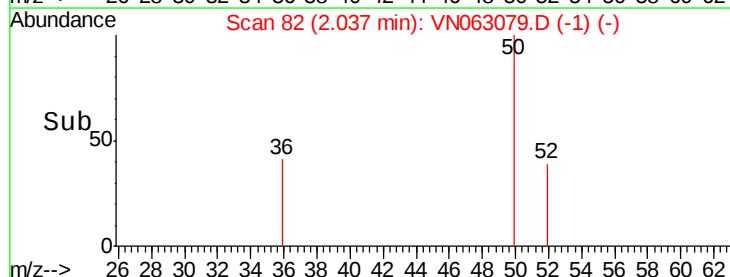
300

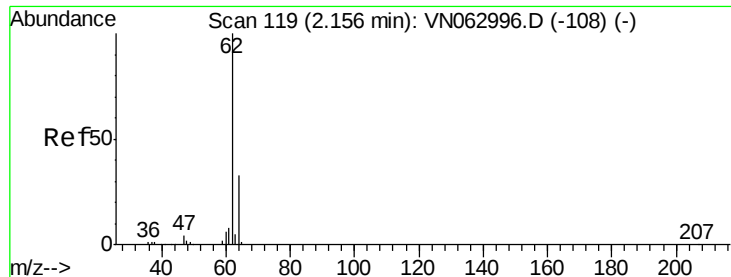
200

100

0

Time--> 2.00 2.02 2.04 2.06





#4

Vinyl Chloride

Concen: 9.588 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

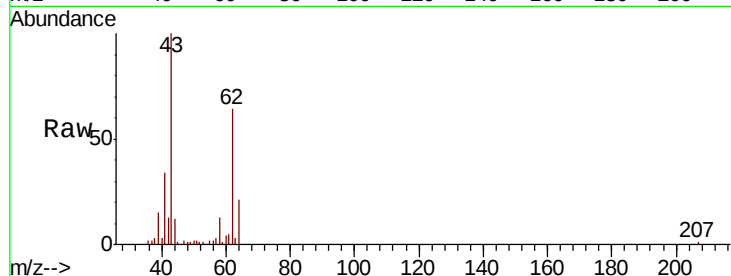
S39-0208

Tot Ion: 62 Resp: 19510

Ion Ratio Lower Upper

62 100

64 33.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

15000

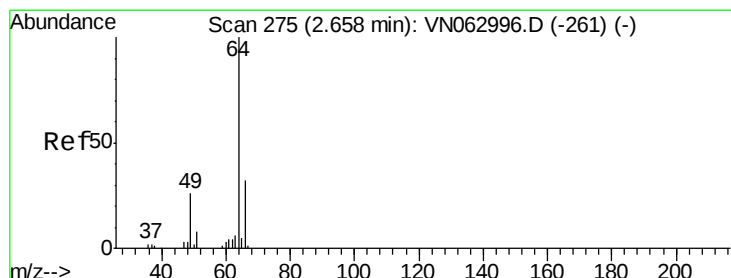
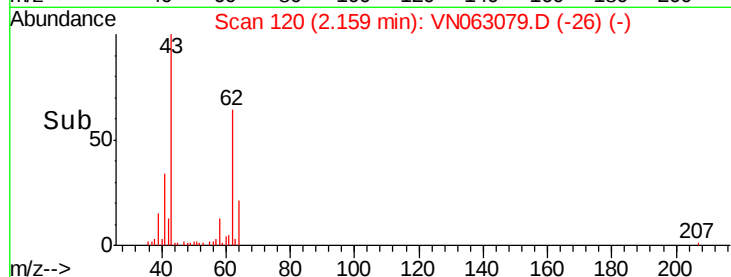
10000

5000

0

2.10 2.15 2.20

Time-->



#6

Chloroethane

Concen: 0.430 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN063079.D

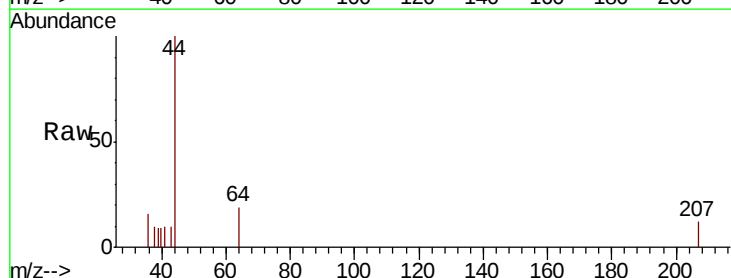
Acq: 21 Aug 2020 14:39

Tgt Ion: 64 Resp: 516

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

400

300

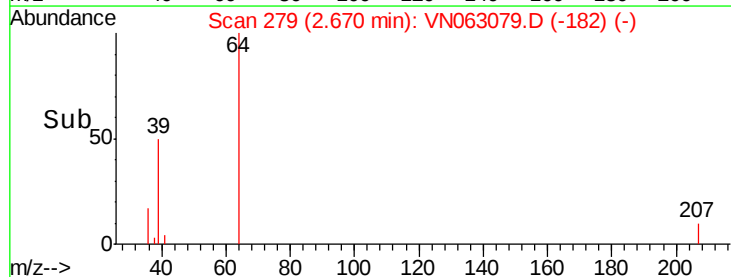
200

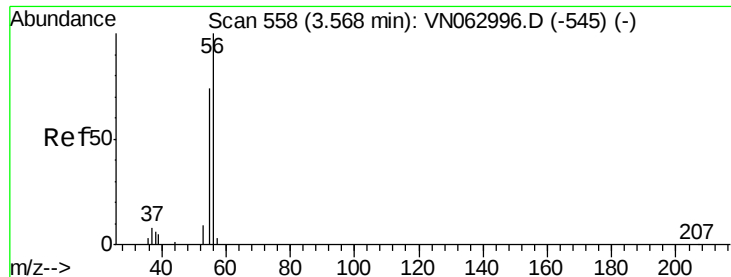
100

0

2.64 2.66 2.68 2.70

Time-->





#13

Acrolein

Concen: 105.682 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.01 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

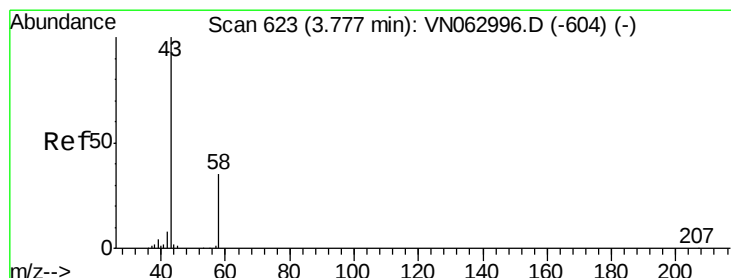
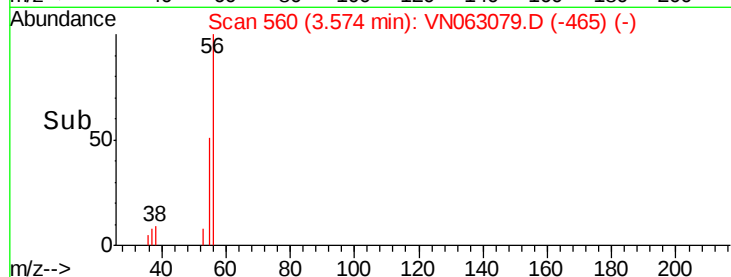
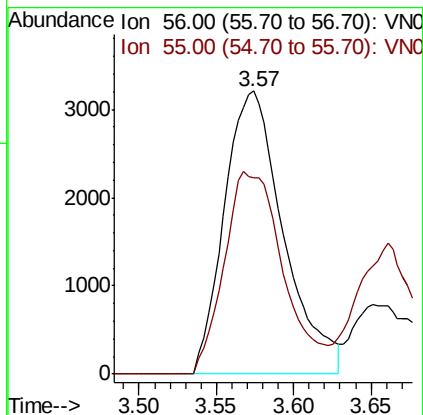
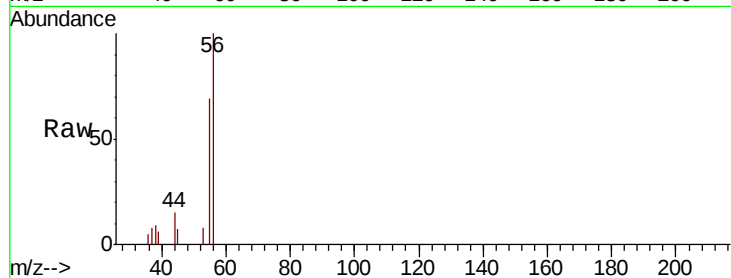
S39-0208

Tot Ion: 56 Resp: 8529

Ion Ratio Lower Upper

56 100

55 71.4 58.4 87.6



#16

Acetone

Concen: 57.414 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN063079.D

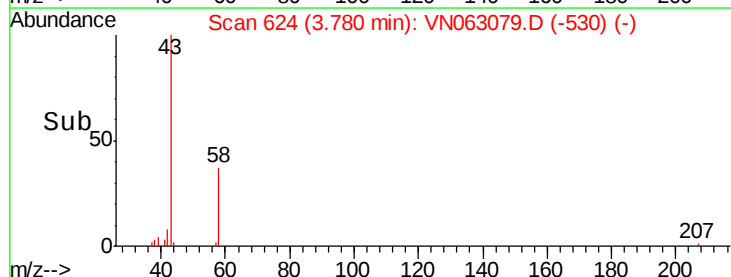
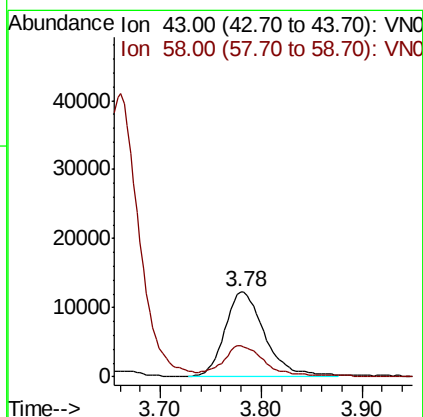
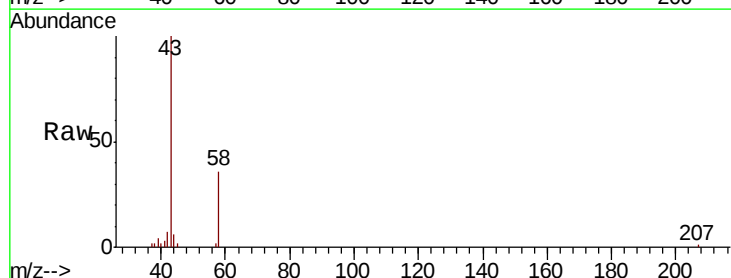
Acq: 21 Aug 2020 14:39

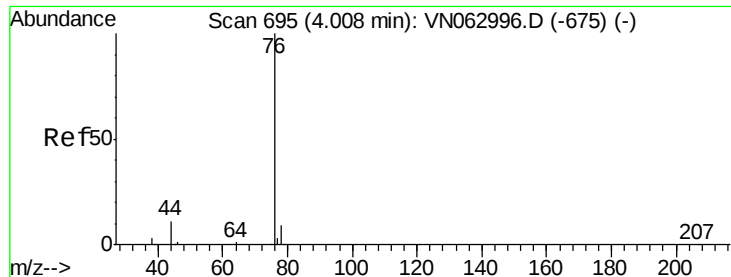
Tgt Ion: 43 Resp: 34276

Ion Ratio Lower Upper

43 100

58 34.4 27.8 41.6





#17

Carbon Disulfide

Concen: 0.573 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

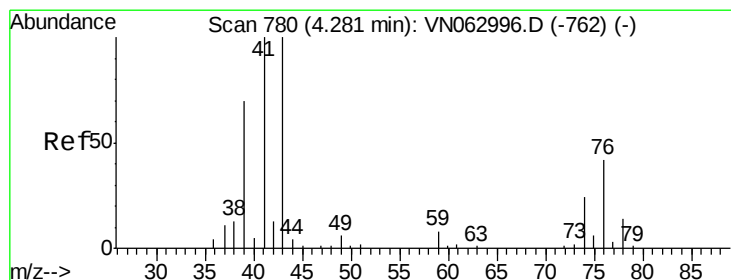
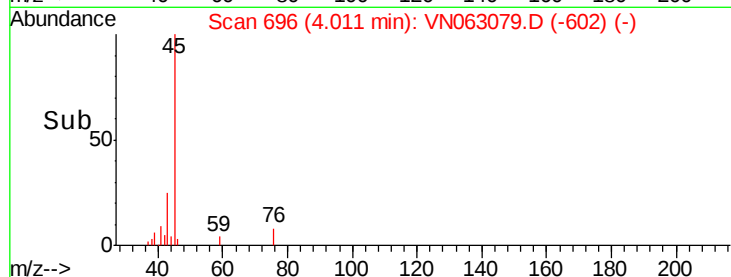
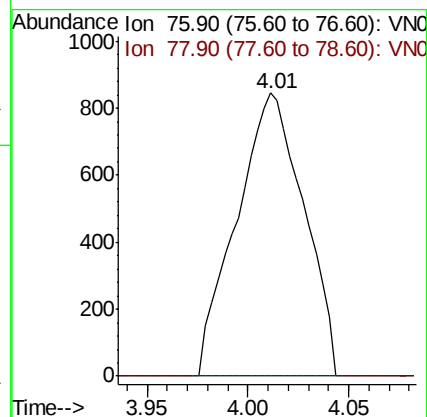
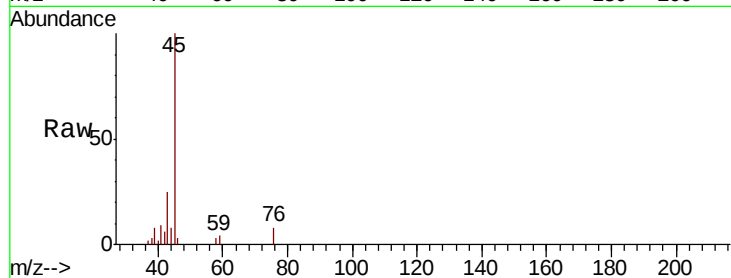
S39-0208

Tot Ion: 76 Resp: 1956

Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#



#18

Methyl Acetate

Concen: 4.357 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN063079.D

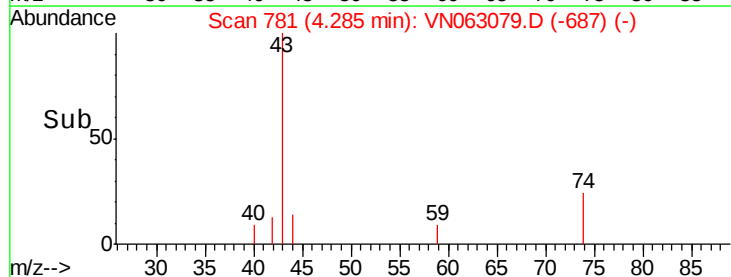
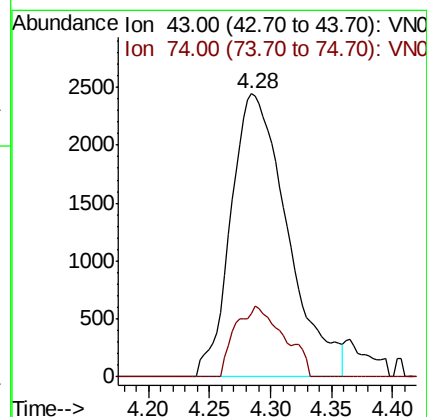
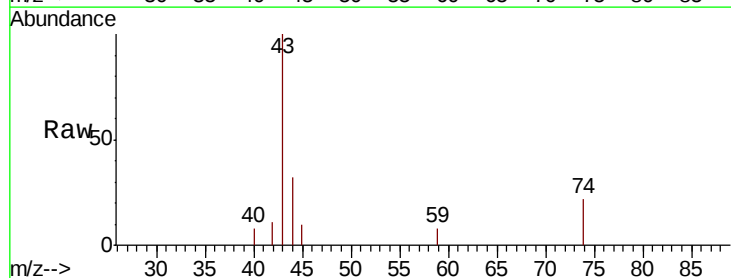
Acq: 21 Aug 2020 14:39

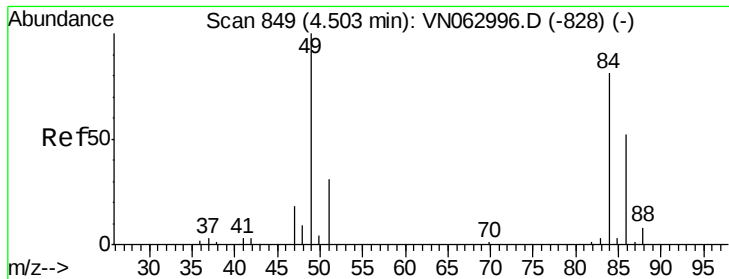
Tgt Ion: 43 Resp: 7874

Ion Ratio Lower Upper

43 100

74 21.4 18.6 28.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

S39-0208

Tot Ion: 84 Resp: 980

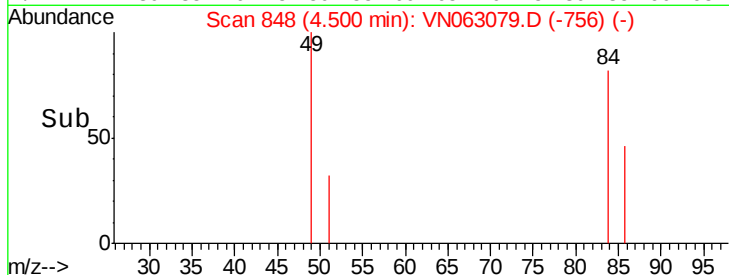
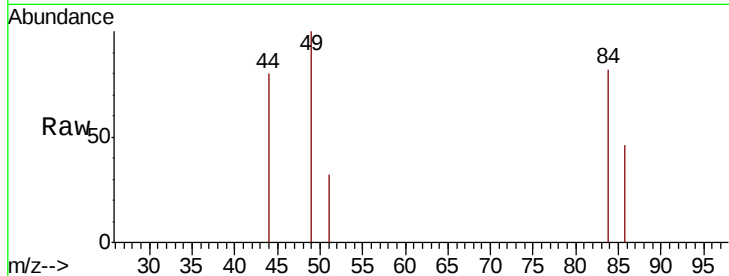
Ion Ratio Lower Upper

84 100

49 122.5 98.7 148.1

51 38.8 30.8 46.2

86 55.8 51.2 76.8

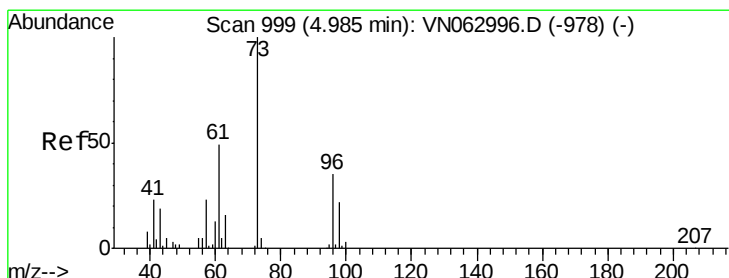
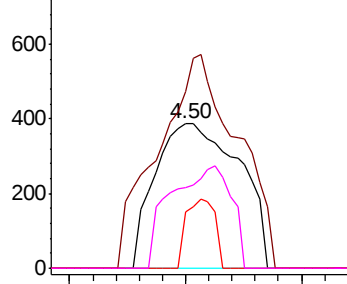


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#21

trans-1,2-Dichloroethene

Concen: 0.991 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

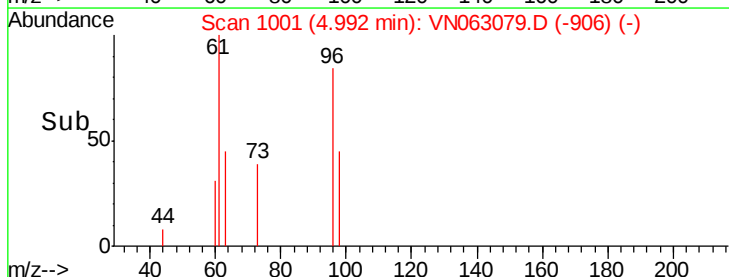
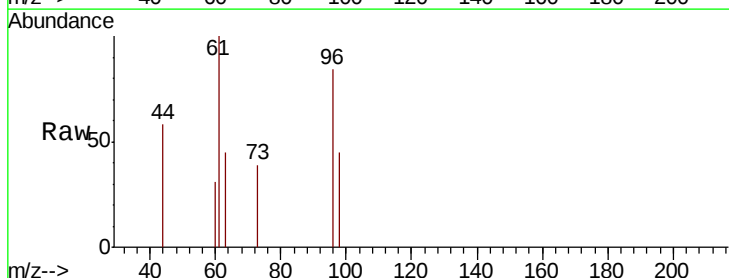
Tgt Ion: 96 Resp: 1351

Ion Ratio Lower Upper

96 100

61 119.5 112.5 168.7

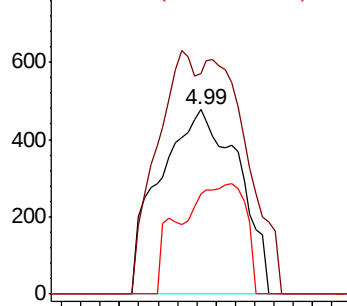
98 54.3 49.4 74.0

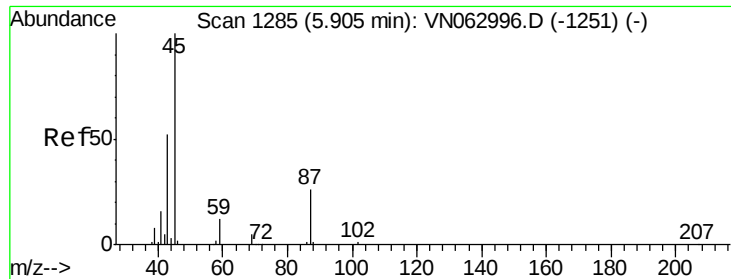


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

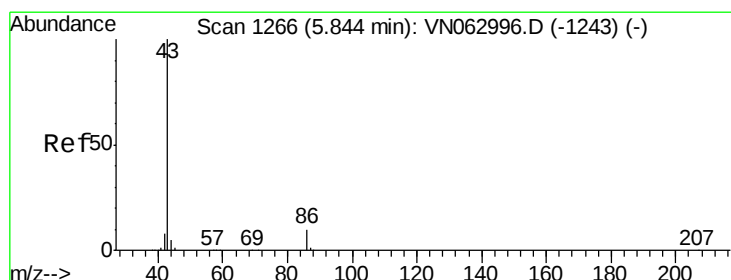
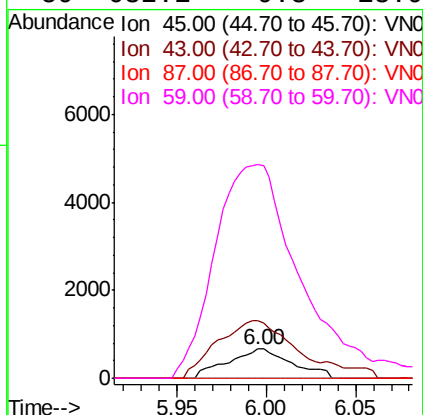
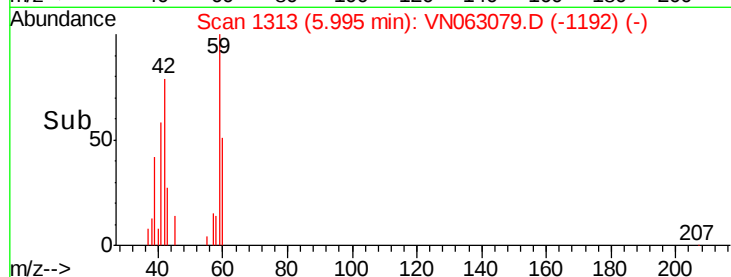
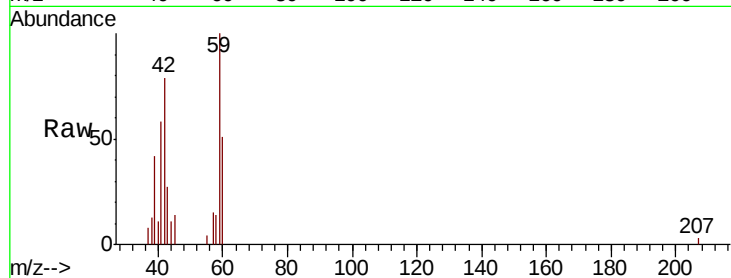




#22
Diisopropyl ether
Concen: 0.319 ug/l
RT: 6.00 min Scan# 1313
Delta R.T. 0.09 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

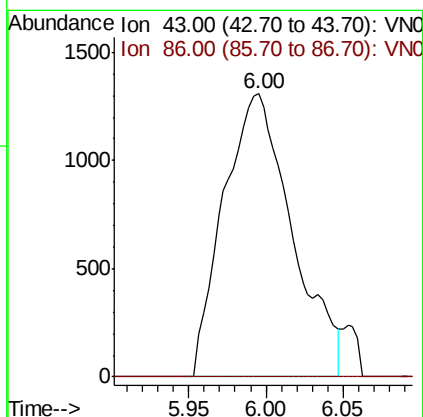
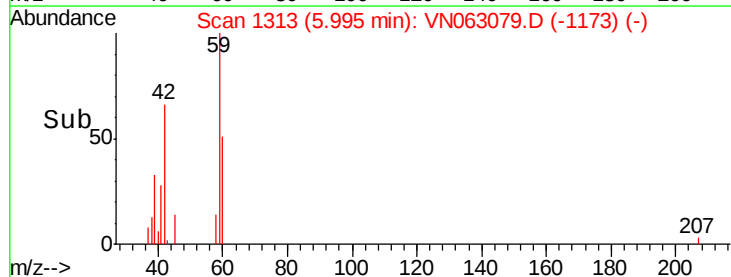
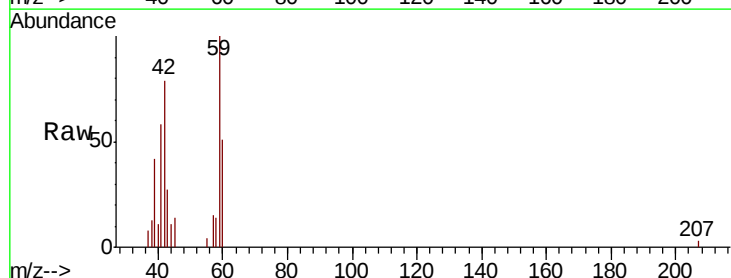
Instrument :
MSVOA_N
ClientSampled :
S39-0208

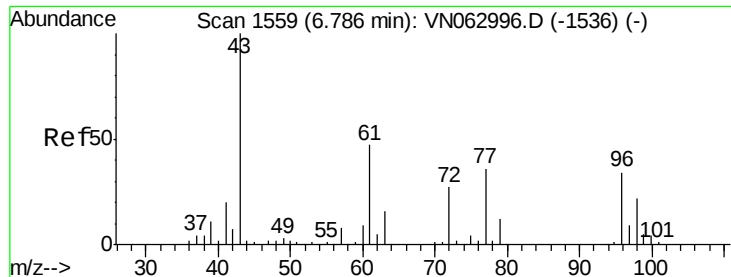
Tot Ion: 45 Resp: 1663
Ion Ratio Lower Upper
45 100
43 167.4 45.7 68.5#
87 0.0 21.8 32.6#
59 632.1 9.3 13.9#



#23
Vinyl Acetate
Concen: 1.147 ug/l
RT: 6.00 min Scan# 1313
Delta R.T. 0.15 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion: 43 Resp: 4035
Ion Ratio Lower Upper
43 100
86 0.0 8.0 12.0#

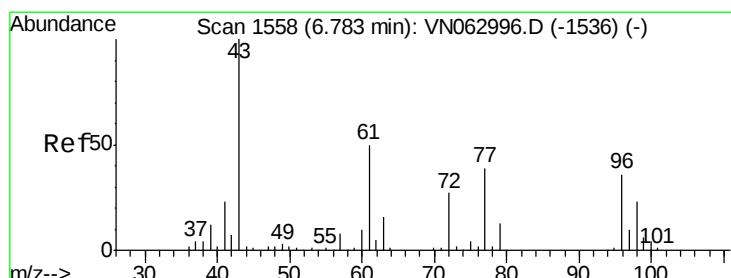
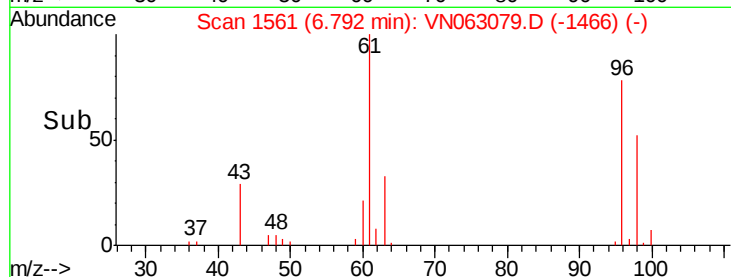
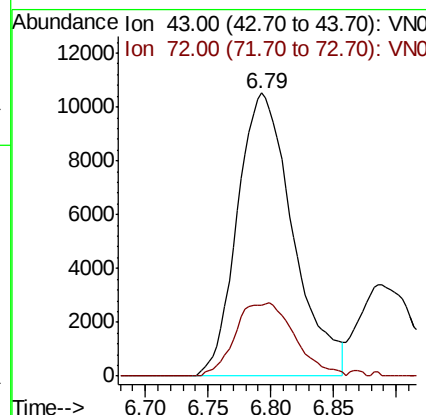
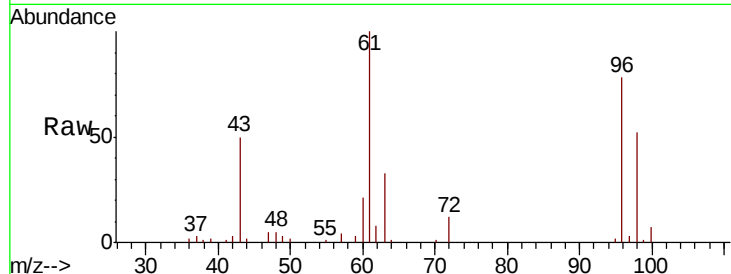




#25
2-Butanone
Concen: 33.594 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

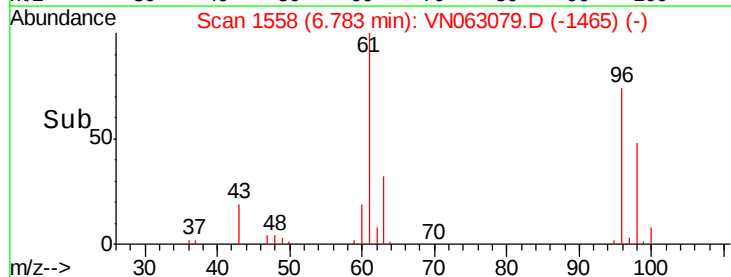
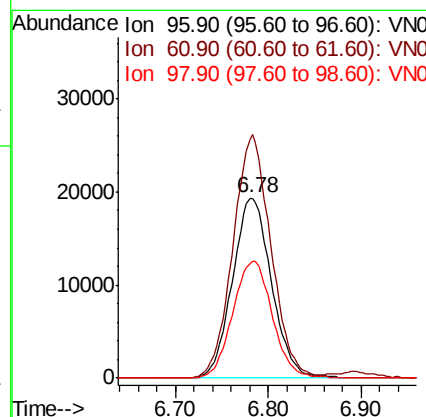
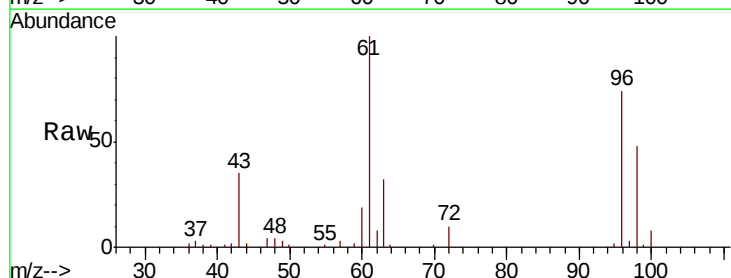
Instrument :
MSVOA_N
ClientSampleId :
S39-0208

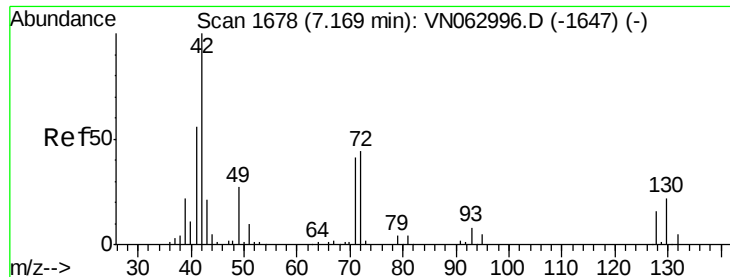
Tot Ion: 43 Resp: 32437
Ion Ratio Lower Upper
43 100
72 25.0 21.8 32.6



#27
cis-1,2-Dichloroethene
Concen: 32.993 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion: 96 Resp: 56372
Ion Ratio Lower Upper
96 100
61 131.5 0.0 292.8
98 65.7 0.0 130.6

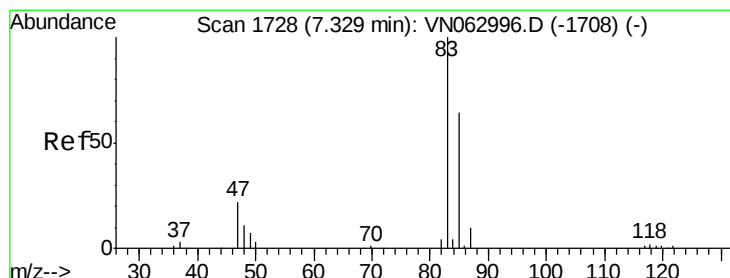
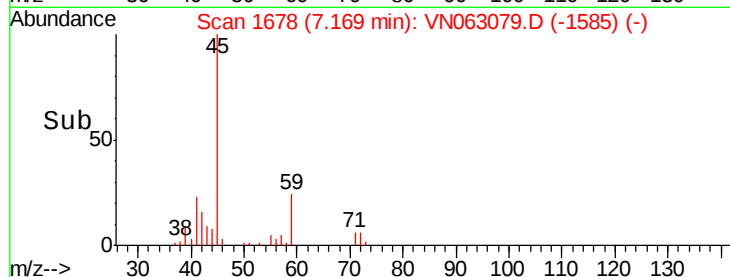
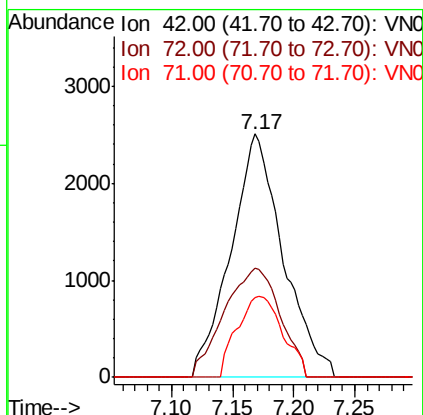
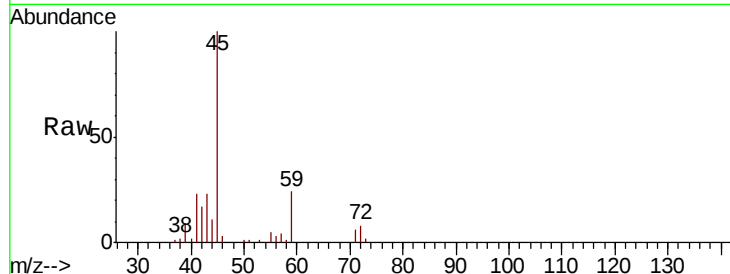




#29
Tetrahydrofuran
Concen: 11.947 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

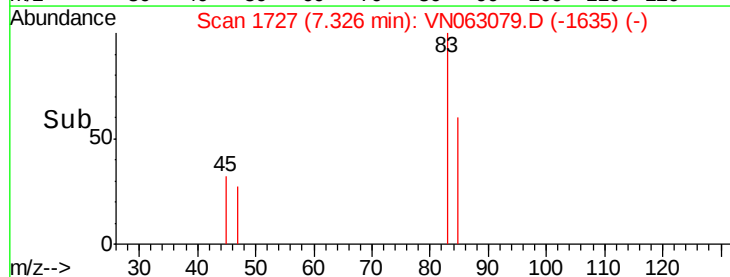
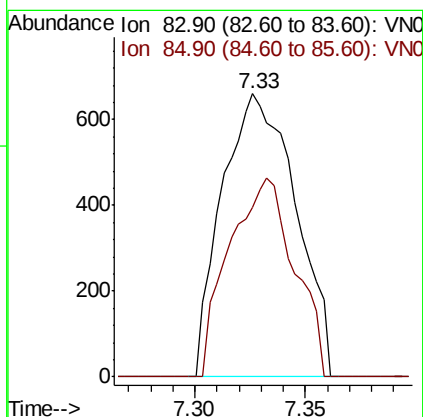
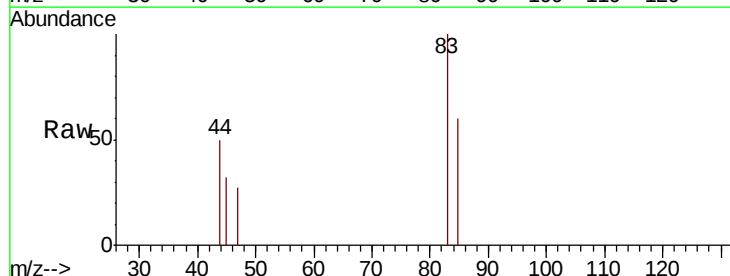
Instrument :
MSVOA_N
ClientSampled :
S39-0208

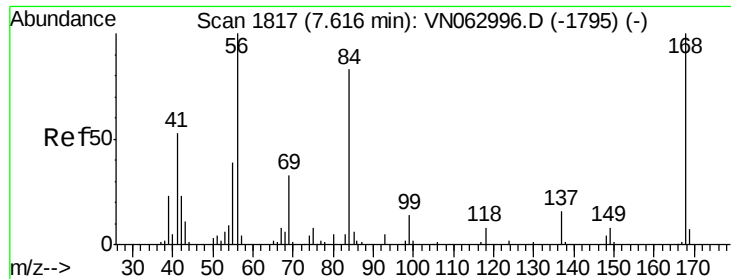
Tot Ion: 42 Resp: 7445
Ion Ratio Lower Upper
42 100
72 48.0 34.6 52.0
71 28.8 32.3 48.5#



#30
Chloroform
Concen: 0.521 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion: 83 Resp: 1527
Ion Ratio Lower Upper
83 100
85 59.7 51.5 77.3

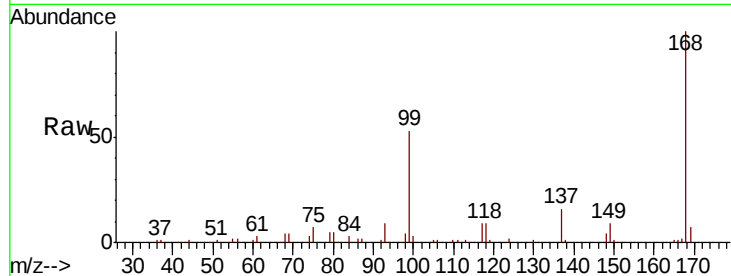




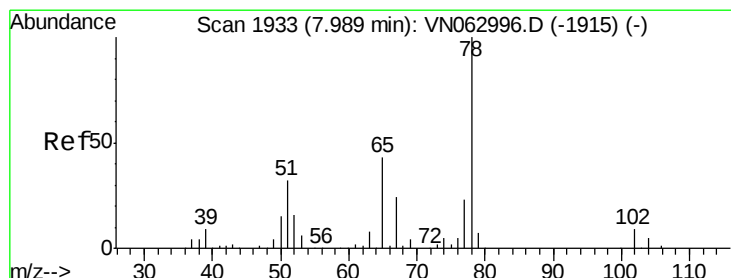
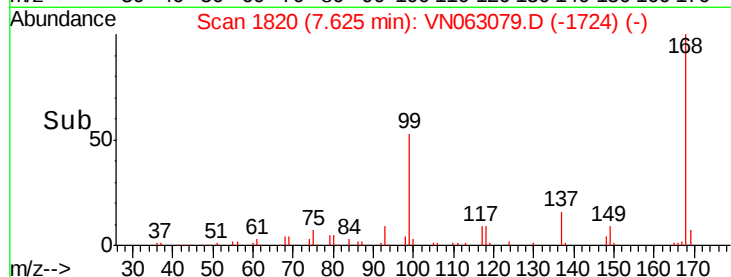
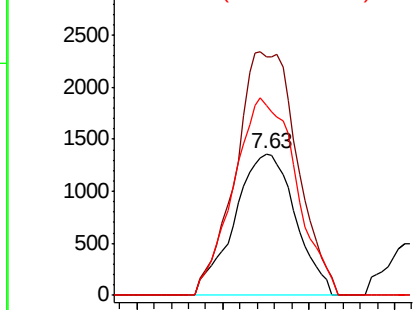
#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Instrument :
MSVOA_N
ClientSampleId :
S39-0208

Tot Ion: 56 Resp: 3353
Ion Ratio Lower Upper
56 100
69 169.1 26.6 40.0#
84 134.7 66.4 99.6#

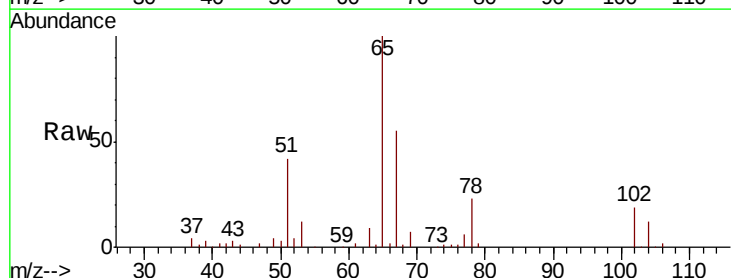


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

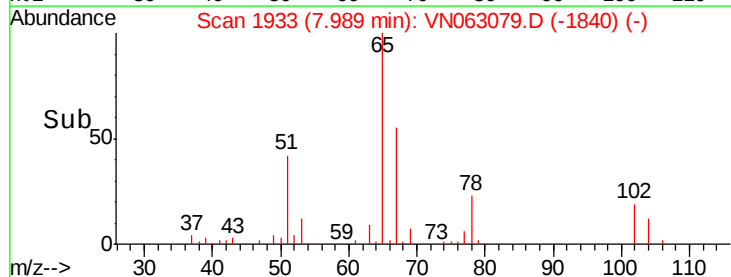
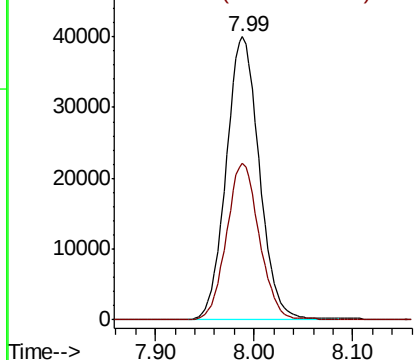


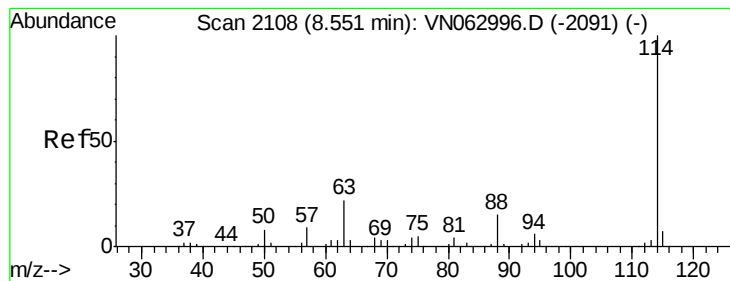
#33
1,2-Dichloroethane-d4
Concen: 51.593 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion: 65 Resp: 93833
Ion Ratio Lower Upper
65 100
67 54.6 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

S39-0208

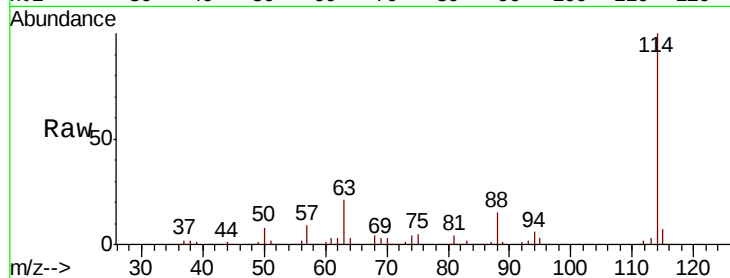
Tot Ion:114 Resp: 256933

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

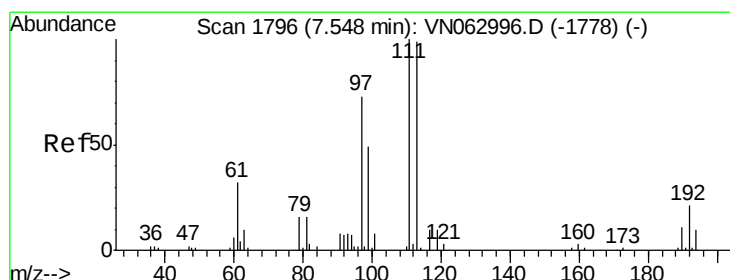
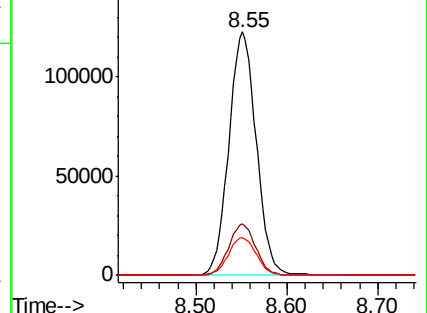
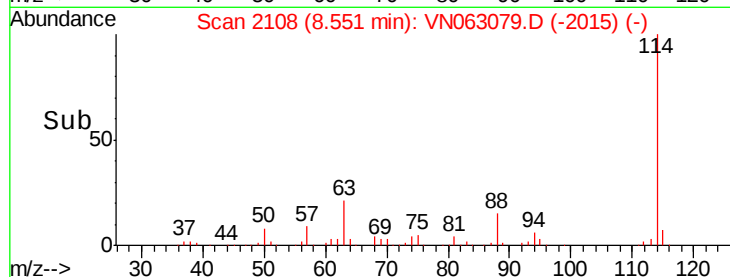
88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.354 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

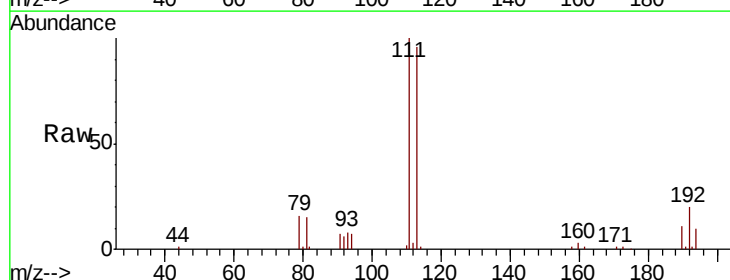
Tgt Ion:113 Resp: 82626

Ion Ratio Lower Upper

113 100

111 103.7 81.7 122.5

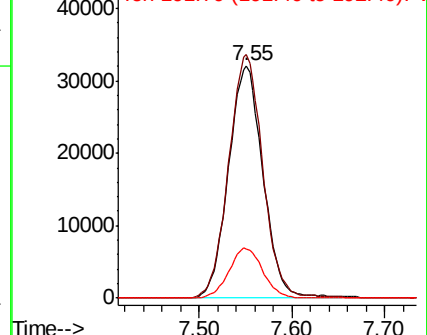
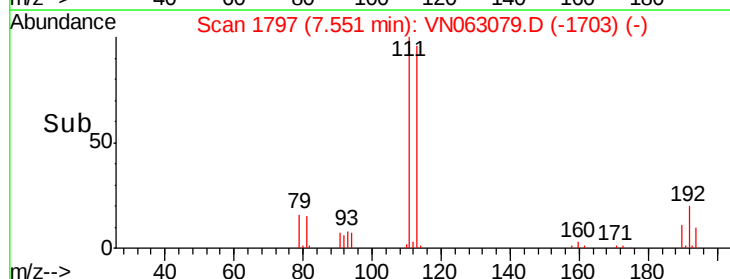
192 21.0 17.5 26.3

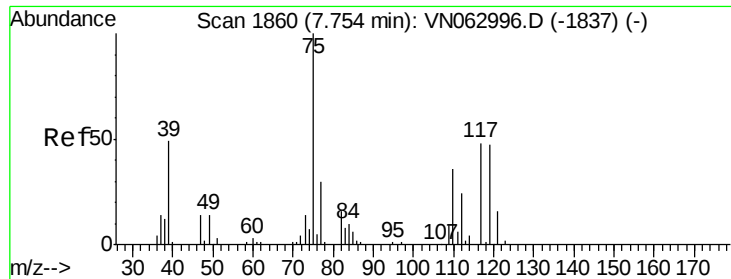


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

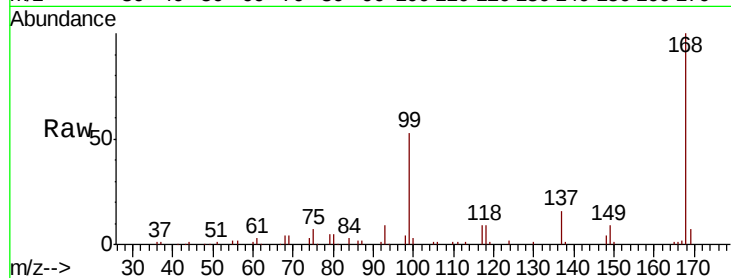




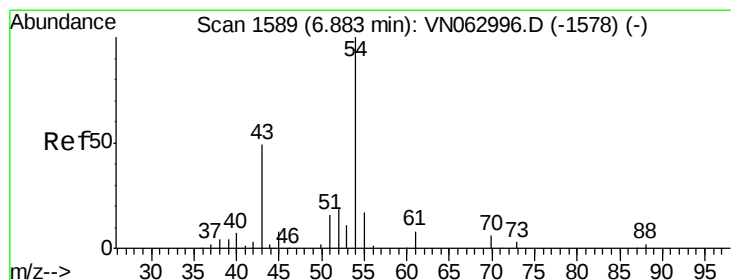
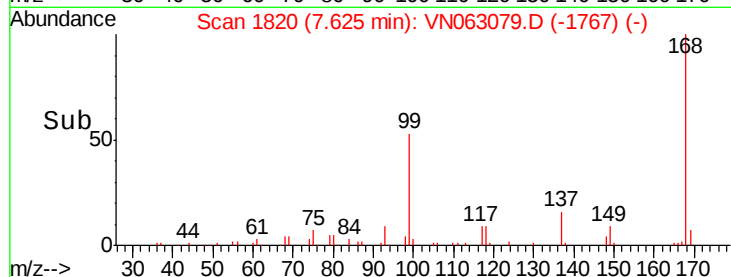
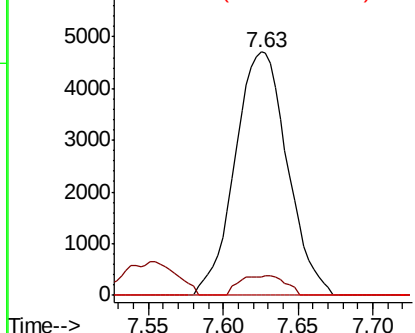
#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063079.D
 Acq: 21 Aug 2020 14:39

Instrument :
 MSVOA_N
 ClientSampled :
 S39-0208

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	17.5	52.6#
77	0.0	24.2	36.4#

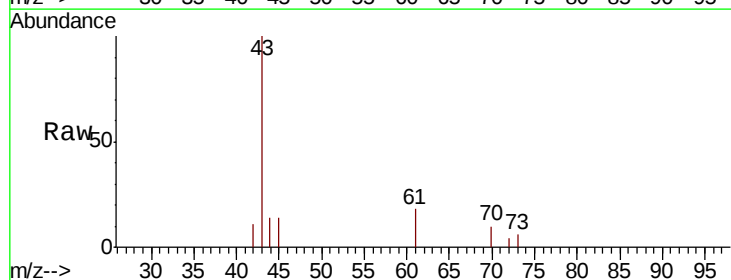


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

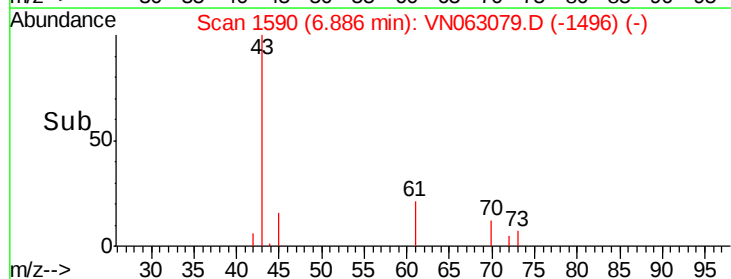
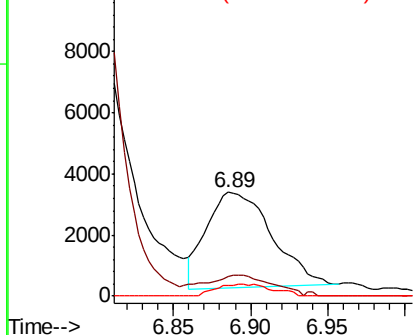


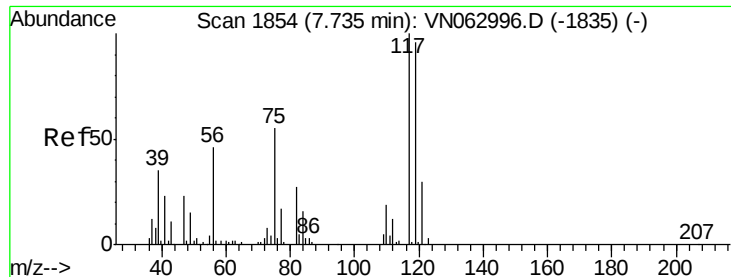
#37
 Ethyl Acetate
 Concen: 4.341 ug/l
 RT: 6.89 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VN063079.D
 Acq: 21 Aug 2020 14:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	9.8	8.2	12.2



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

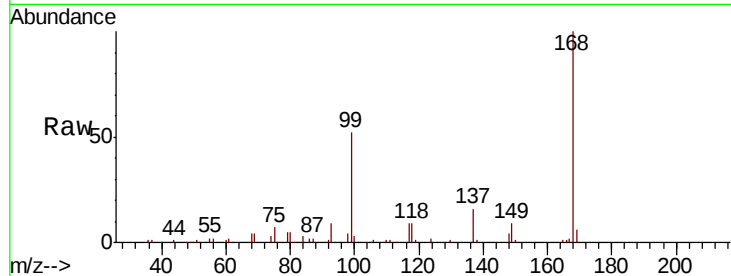




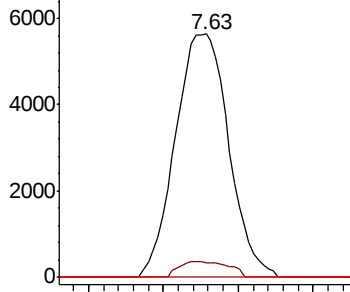
#38
Carbon Tetrachloride
Concen: 6.114 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Instrument :
MSVOA_N
ClientSampled :
S39-0208

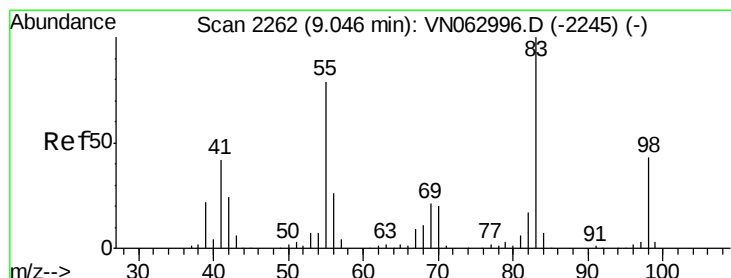
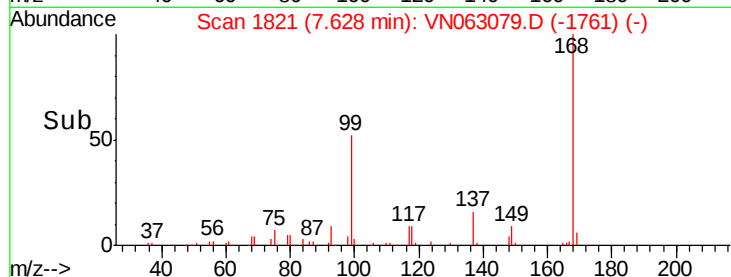
Tot Ion:117 Resp: 13976
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.4#
121 0.0 24.2 36.2#



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

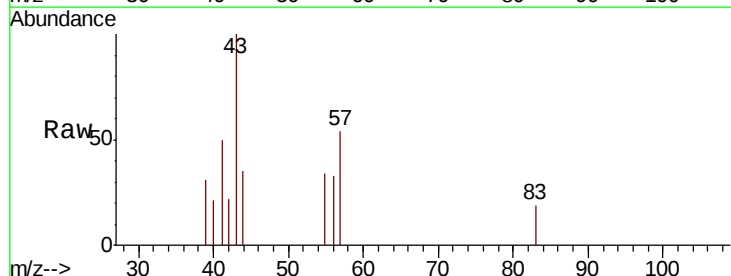


Time-->

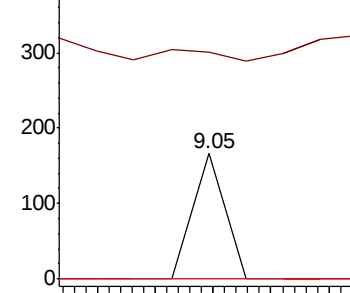


#39
Methylcyclohexane
Concen: 1.572 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

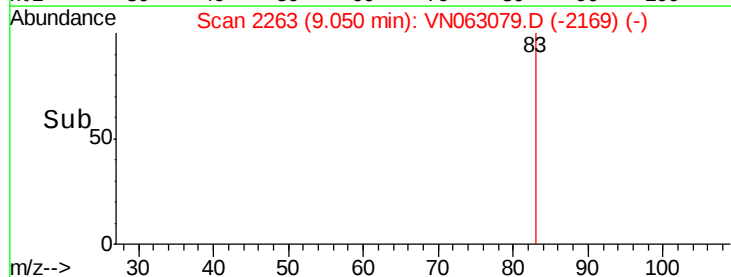
Tgt Ion: 83 Resp: 32
Ion Ratio Lower Upper
83 100
55 6.0 63.3 94.9#
98 0.0 34.2 51.4#

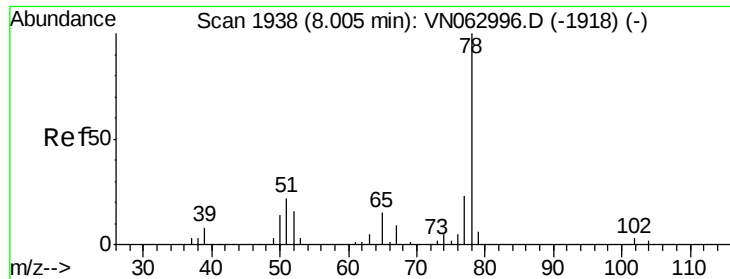


Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V



Time-->

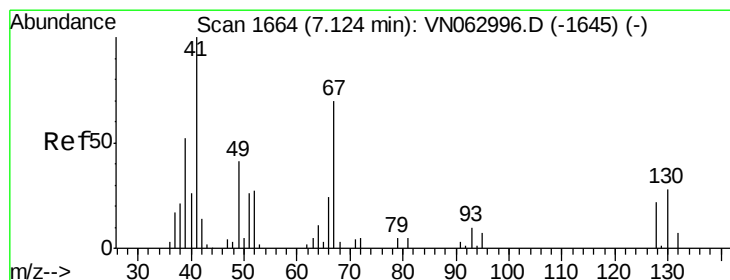
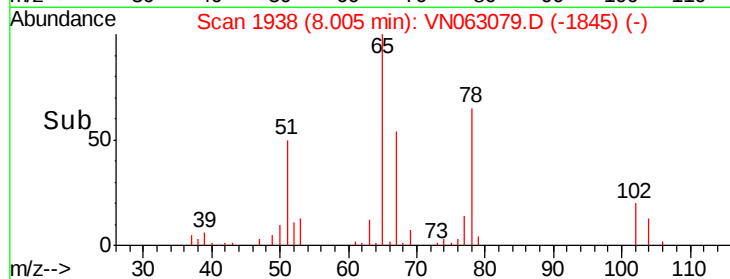
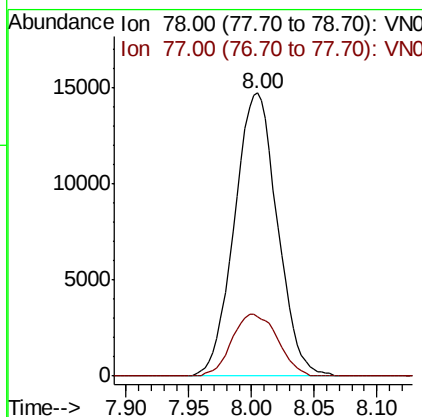
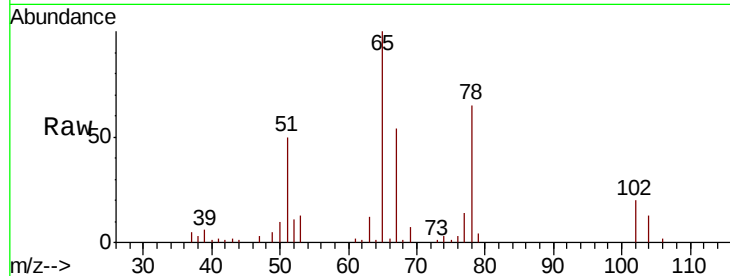




#40
Benzene
Concen: 4.887 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

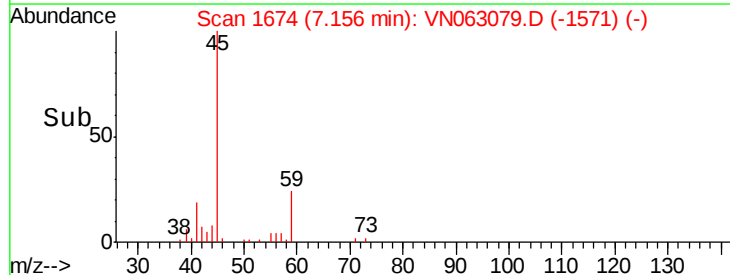
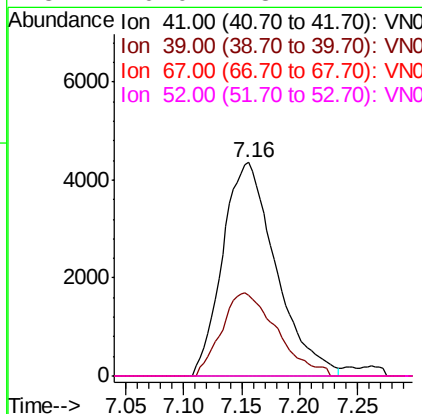
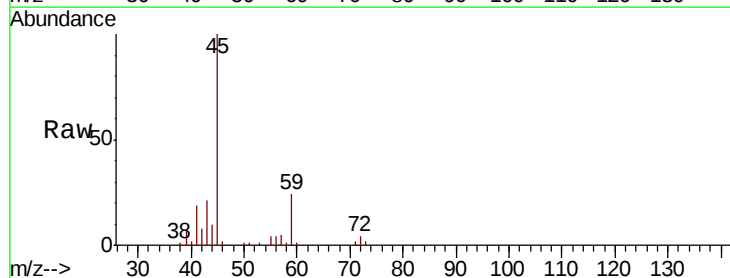
Instrument :
MSVOA_N
ClientSampleId :
S39-0208

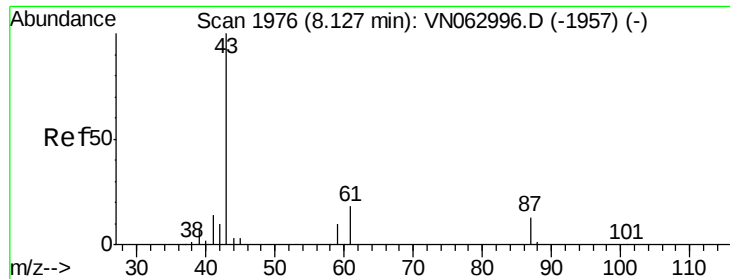
Tot Ion: 78 Resp: 35096
Ion Ratio Lower Upper
78 100
77 21.2 18.8 28.2



#41
Methacrylonitrile
Concen: 13.801 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.03 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion: 41 Resp: 13951
Ion Ratio Lower Upper
41 100
39 40.3 41.6 62.4#
67 0.0 71.8 107.8#
52 0.0 28.2 42.4#





#43

Isopropyl Acetate

Concen: 1.125 ug/l

RT: 7.97 min Scan# 1928

Delta R.T. -0.15 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

S39-0208

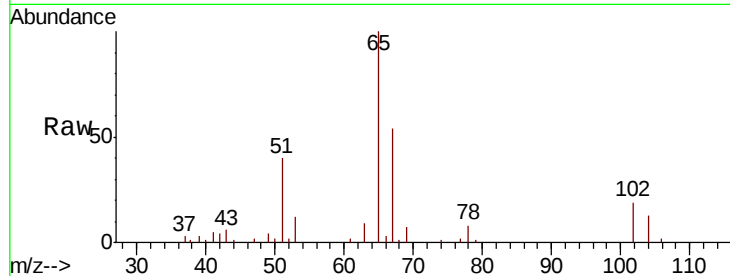
Tot Ion: 43 Resp: 3954

Ion Ratio Lower Upper

43 100

61 43.7 22.6 33.8#

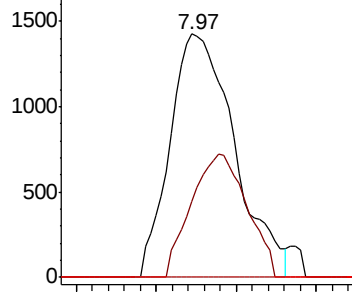
87 0.0 10.5 15.7#



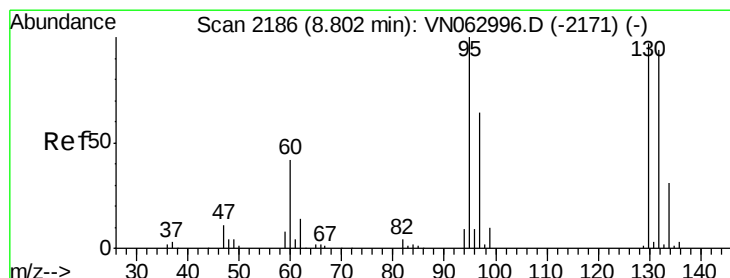
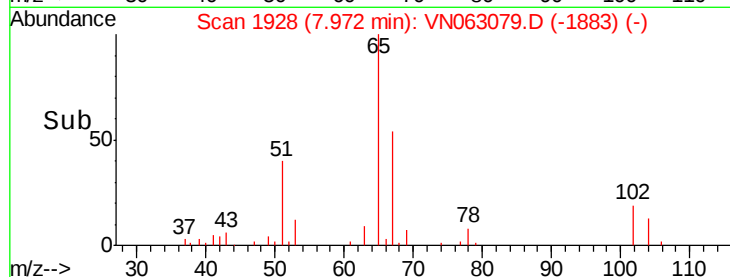
Abundance Ion 43.00 (42.70 to 43.70): VN063079.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN063079.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN063079.D (-1957) (-)



Time-->



#44

Trichloroethene

Concen: 2.880 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063079.D

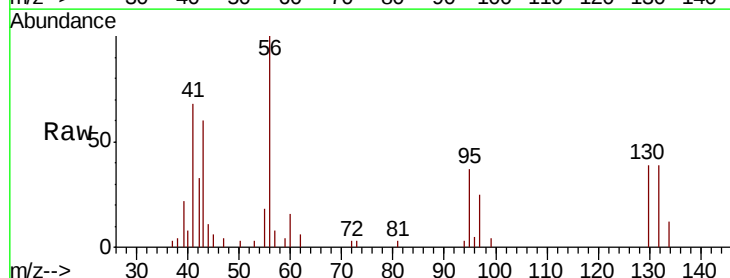
Acq: 21 Aug 2020 14:39

Tgt Ion: 130 Resp: 5145

Ion Ratio Lower Upper

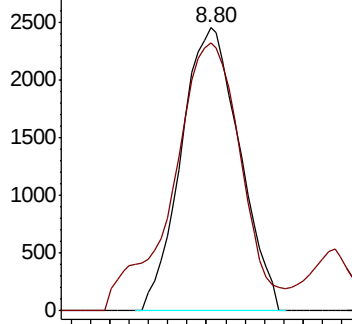
130 100

95 86.5 0.0 205.6

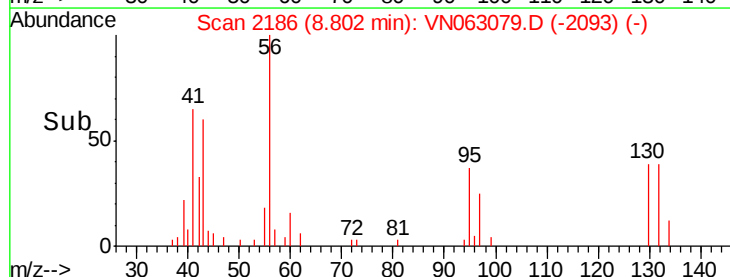


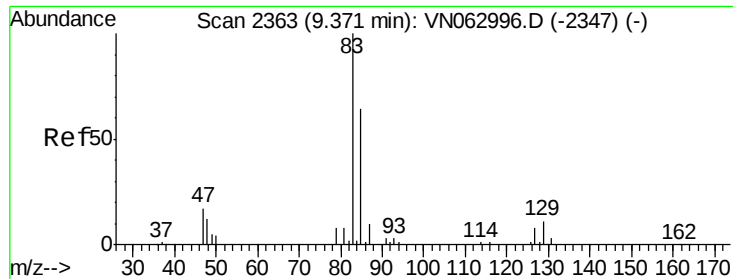
Abundance Ion 129.80 (129.50 to 130.50): VN063079.D (-2171) (-)

Ion 94.90 (94.60 to 95.60): VN063079.D (-2171) (-)



Time-->





#47

Bromodichloromethane

Concen: 0.234 ug/l

RT: 9.13 min Scan# 2288

Delta R.T. -0.24 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

S39-0208

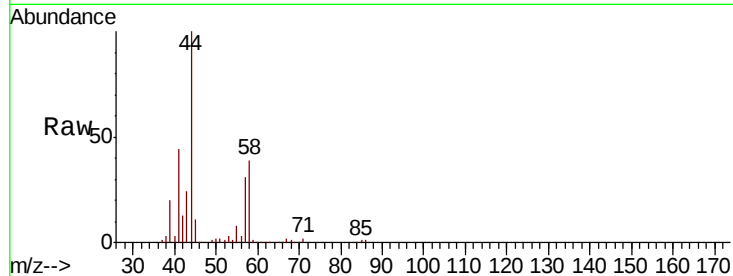
Tot Ion: 83 Resp: 615

Ion Ratio Lower Upper

83 100

85 152.1 51.1 76.7#

127 0.0 6.6 9.8#

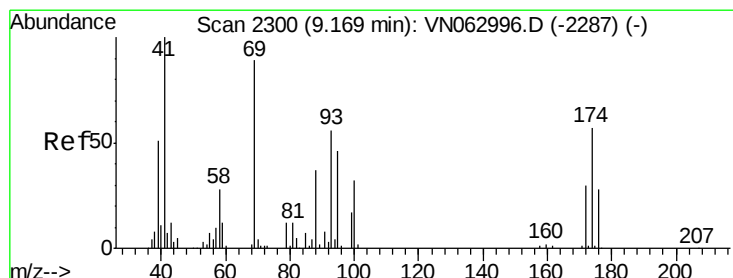
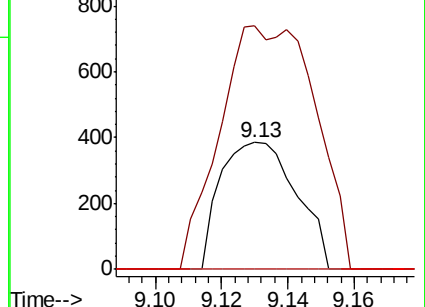
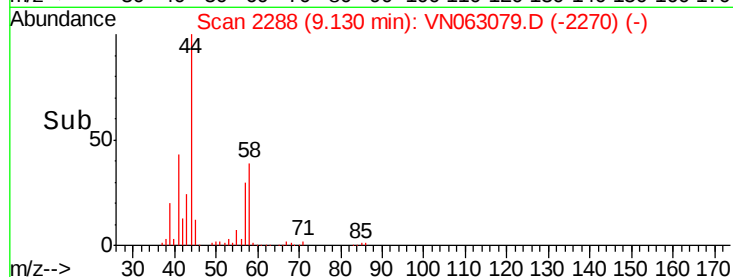


Abundance Ion 82.90 (82.60 to 83.60): VN062996.D (-2347) (-)

Ion 84.90 (84.60 to 85.60): VN062996.D (-2347) (-)

Ion 126.80 (126.50 to 127.50): VN062996.D (-2347) (-)

Time-->



#48

Methyl methacrylate

Concen: 59.586 ug/l

RT: 9.13 min Scan# 2289

Delta R.T. -0.04 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

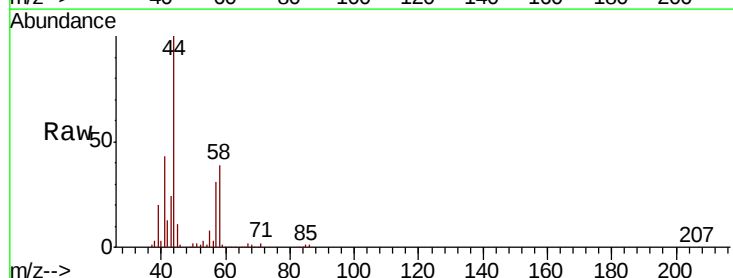
Tgt Ion: 41 Resp: 99094

Ion Ratio Lower Upper

41 100

69 0.8 74.2 111.4#

39 46.4 42.5 63.7

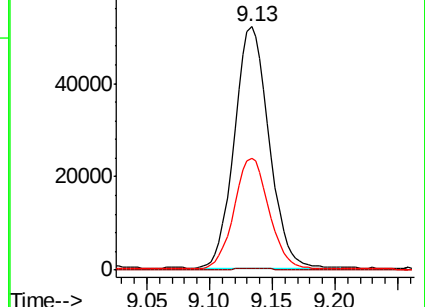
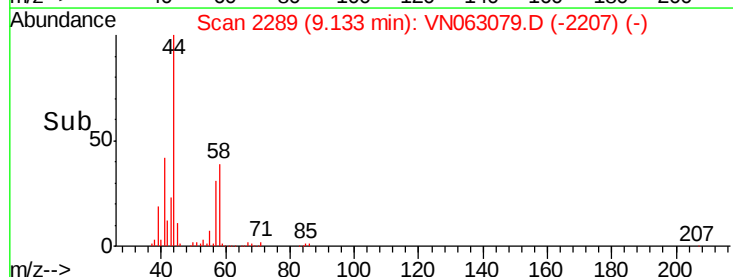


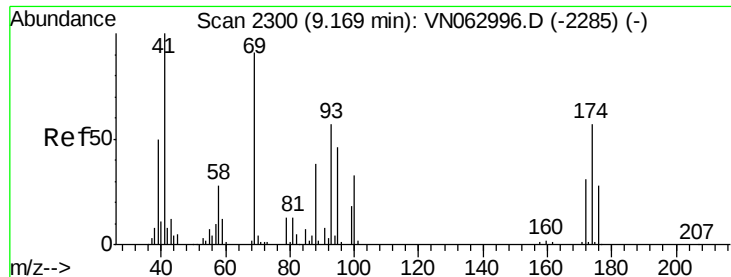
Abundance Ion 41.00 (40.70 to 41.70): VN062996.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN062996.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN062996.D (-2287) (-)

Time-->

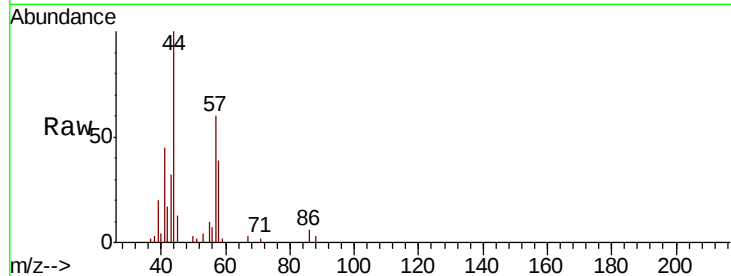




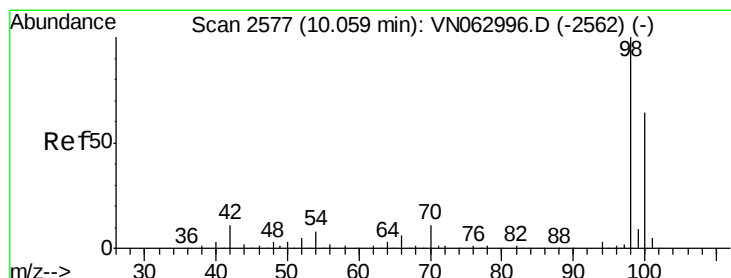
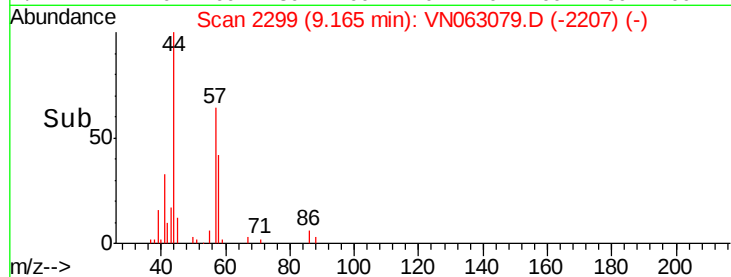
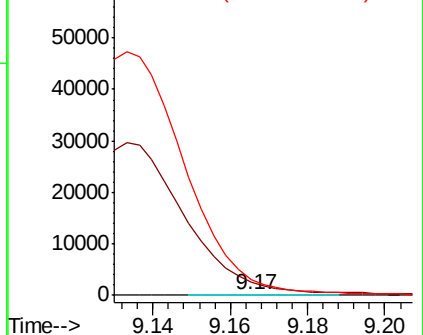
#49
1,4-Dioxane
Concen: 23.958 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Instrument :
MSVOA_N
ClientSampled :
S39-0208

Tot Ion: 88 Resp: 322
Ion Ratio Lower Upper
88 100
43 0.0 25.2 37.8#
58 0.0 56.7 85.1#

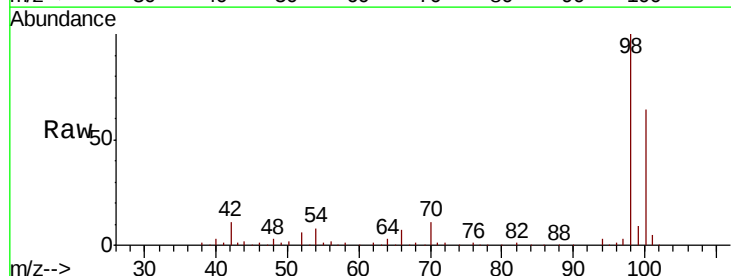


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

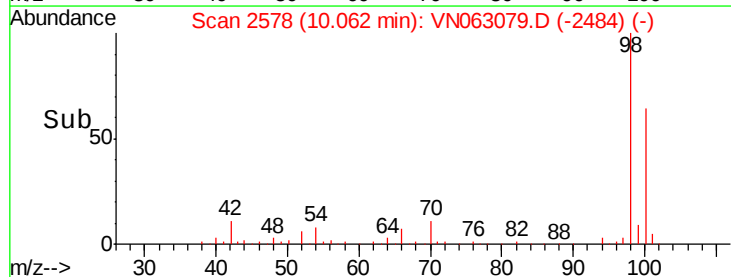
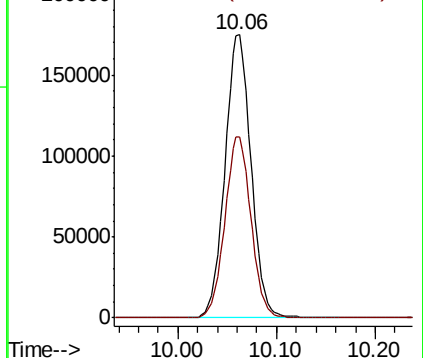


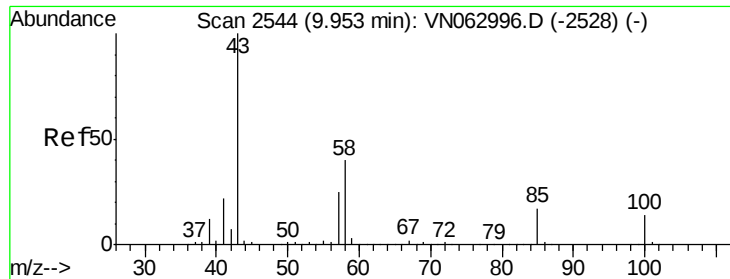
#50
Toluene-d8
Concen: 50.373 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion: 98 Resp: 323929
Ion Ratio Lower Upper
98 100
100 64.2 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: 0.758 ug/l

RT: 9.96 min Scan# 2546

Delta R.T. 0.01 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

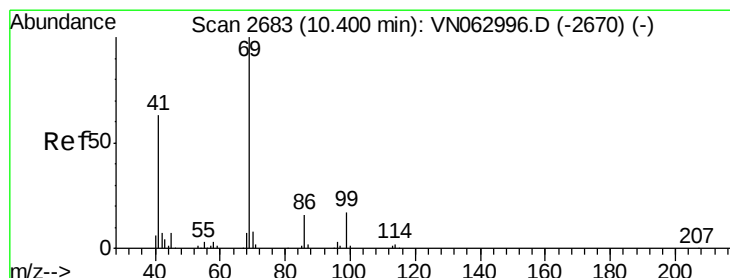
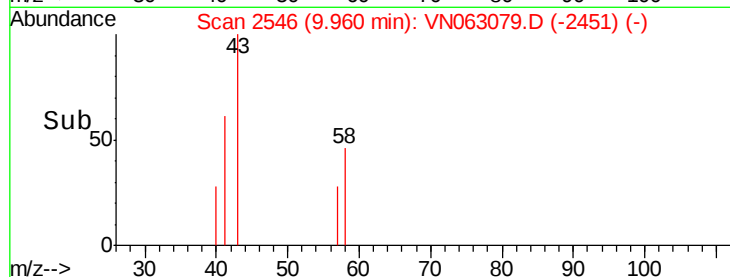
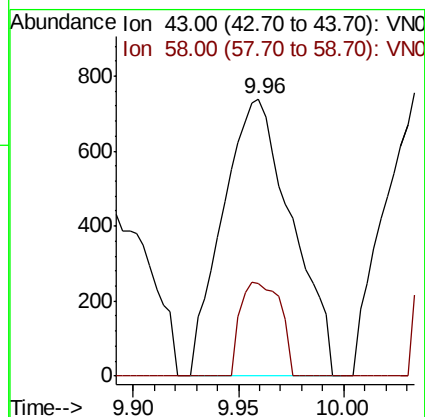
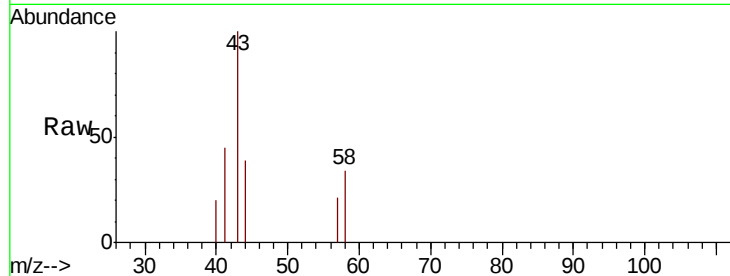
S39-0208

Tot Ion: 43 Resp: 1685

Ion Ratio Lower Upper

43 100

58 19.5 32.2 48.2#



#56

Ethyl methacrylate

Concen: 1.935 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.05 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

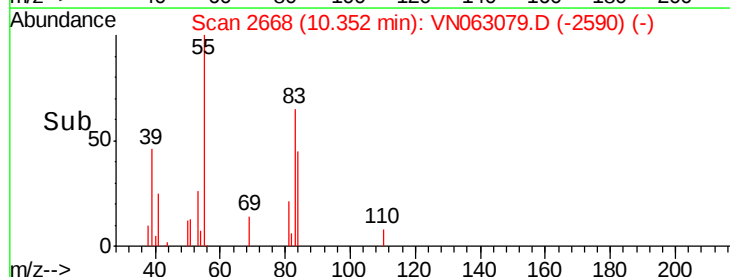
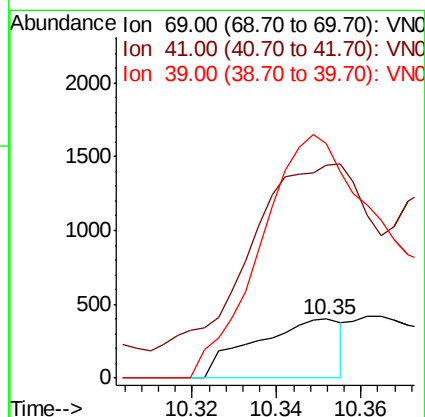
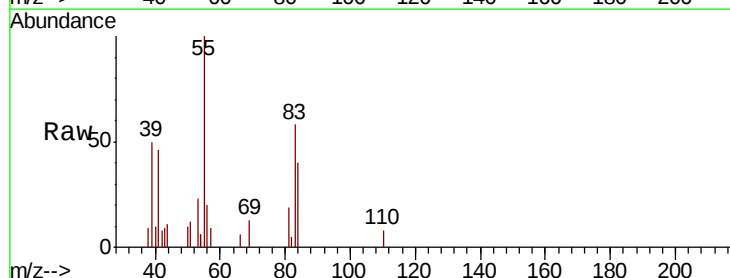
Tgt Ion: 69 Resp: 575

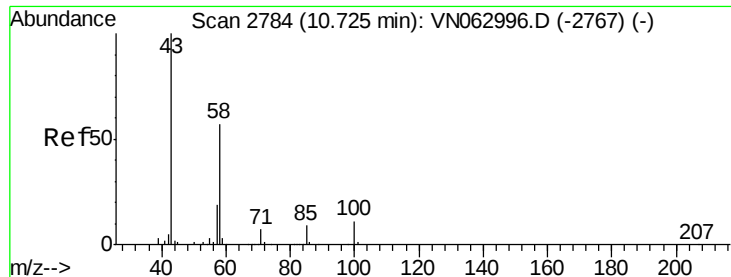
Ion Ratio Lower Upper

69 100

41 491.7 50.2 75.2#

39 785.7 24.2 36.4#

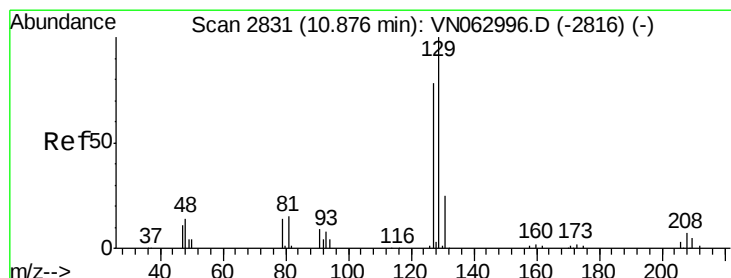
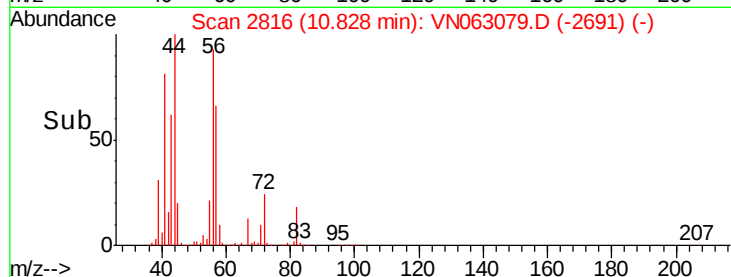
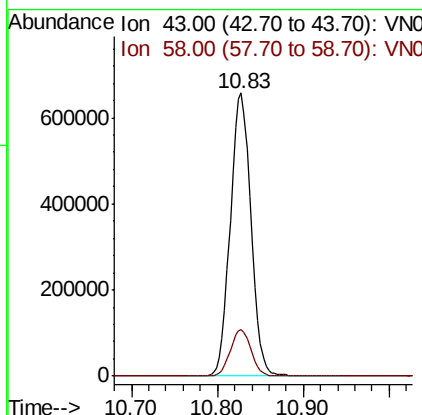
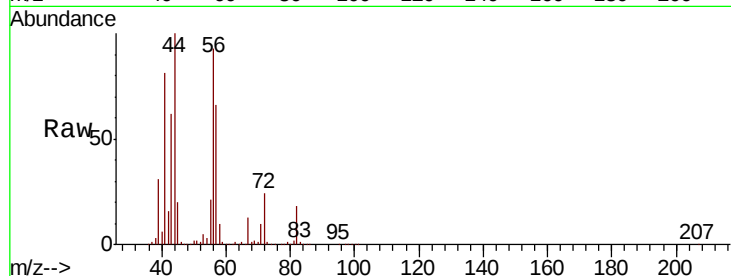




#59
2-Hexanone
Concen: 707.002 ug/l
RT: 10.83 min Scan# 2816
Delta R.T. 0.10 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

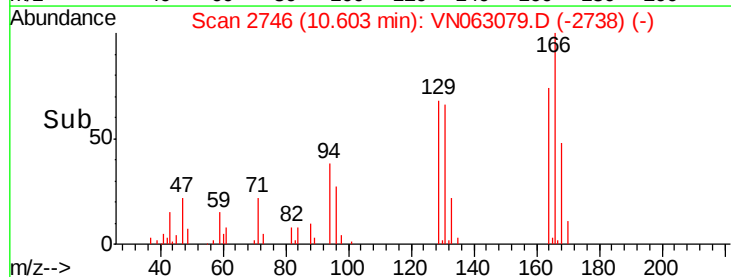
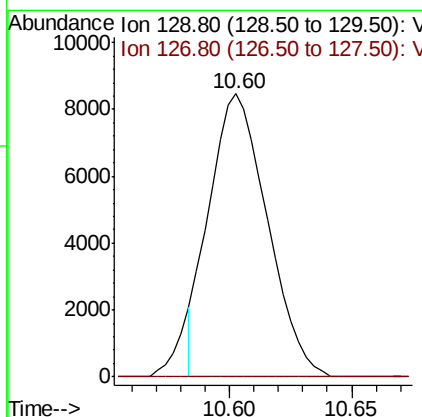
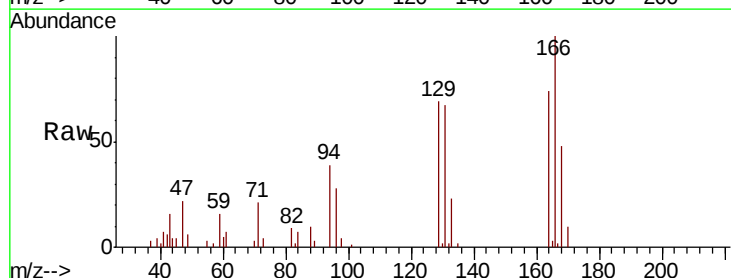
Instrument :
MSVOA_N
ClientSampleId :
S39-0208

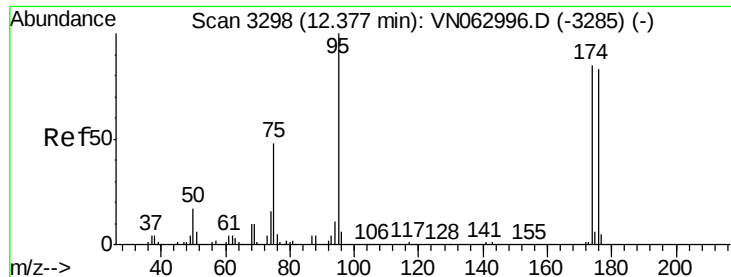
Tot Ion: 43 Resp: 1095633
Ion Ratio Lower Upper
43 100
58 16.5 28.1 84.3#



#60
Dibromochloromethane
Concen: 6.821 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.27 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion: 129 Resp: 13983
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 55.329 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

S39-0208

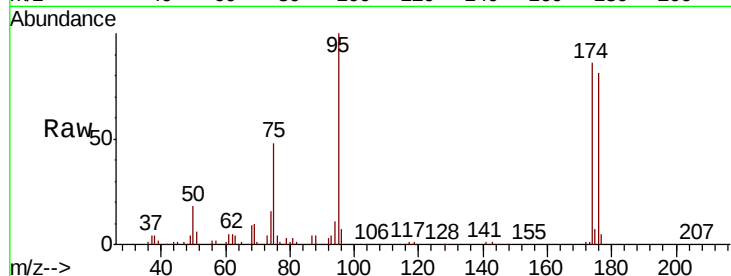
Tot Ion: 95 Resp: 125554

Ion Ratio Lower Upper

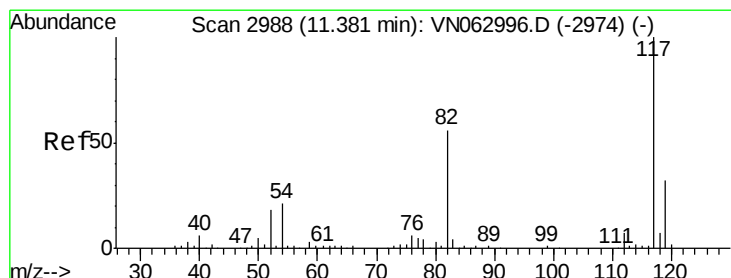
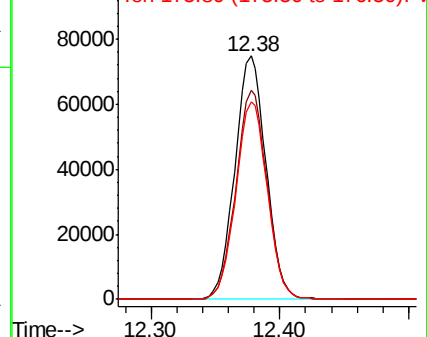
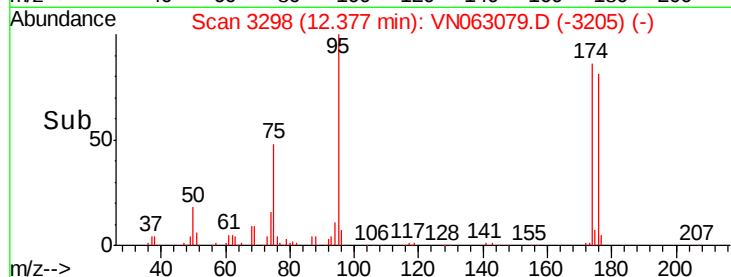
95 100

174 86.0 0.0 170.8

176 82.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN063079.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

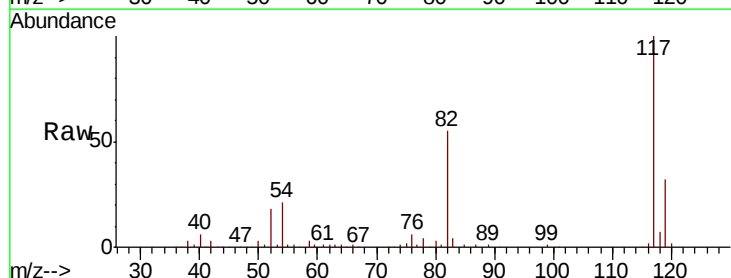
Tgt Ion: 117 Resp: 261293

Ion Ratio Lower Upper

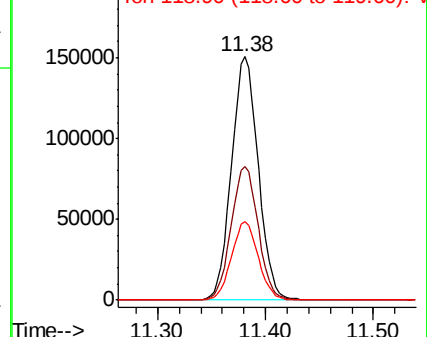
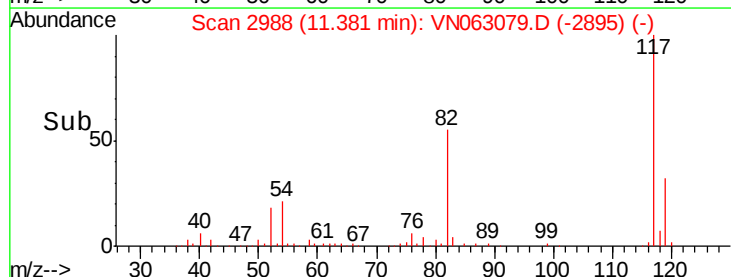
117 100

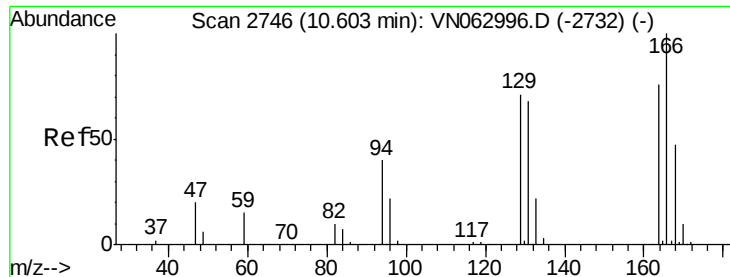
82 55.1 44.5 66.7

119 32.2 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN063079.D (-2895) (-)





#64

Tetrachloroethene

Concen: 9.400 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

S39-0208

Tot Ion:164 Resp: 16146

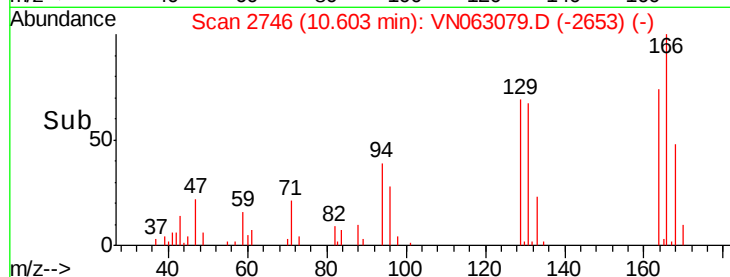
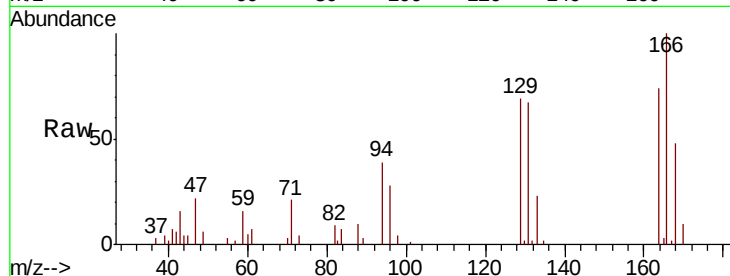
Ion Ratio Lower Upper

164 100

166 134.9 105.0 157.6

129 93.4 74.7 112.1

131 90.0 71.0 106.4

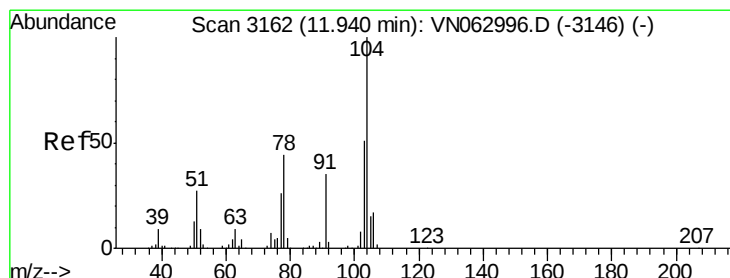
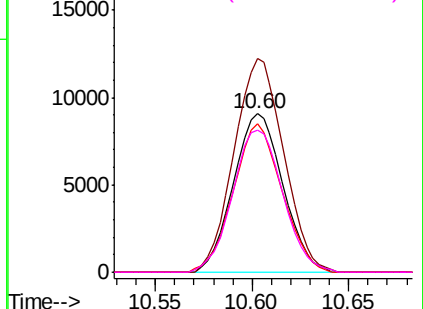


Abundance Ion 163.80 (163.50 to 164.50): V

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



#70

Styrene

Concen: 1.989 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. -0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

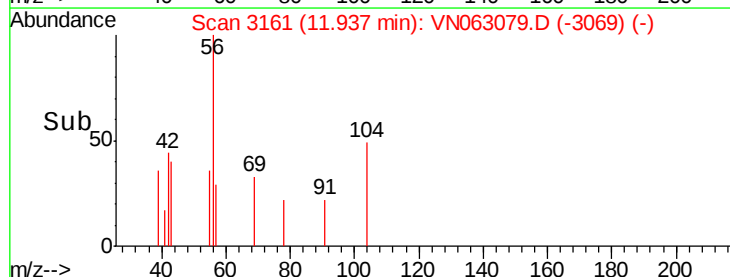
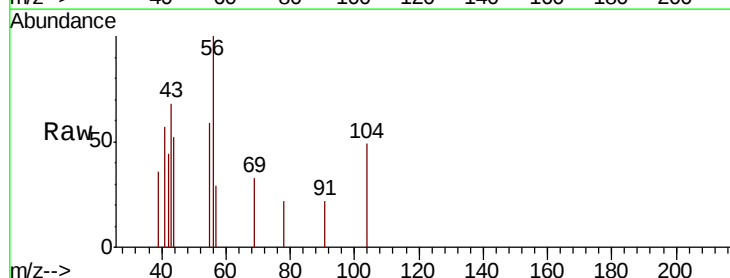
Tgt Ion:104 Resp: 429

Ion Ratio Lower Upper

104 100

78 13.8 39.0 58.6#

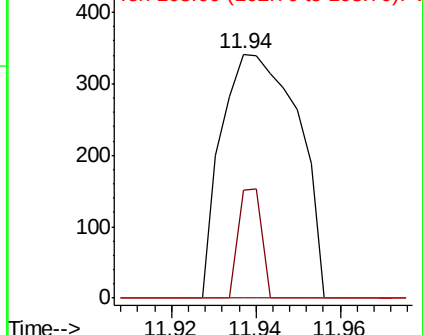
103 0.0 44.3 66.5#

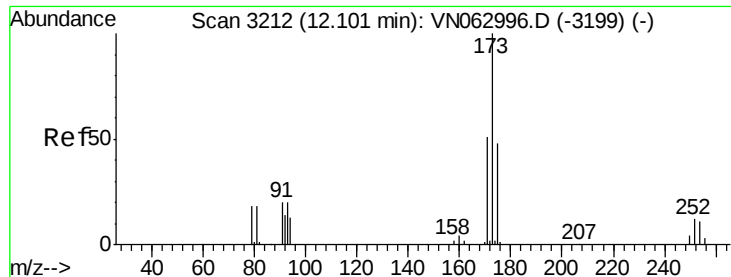


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V

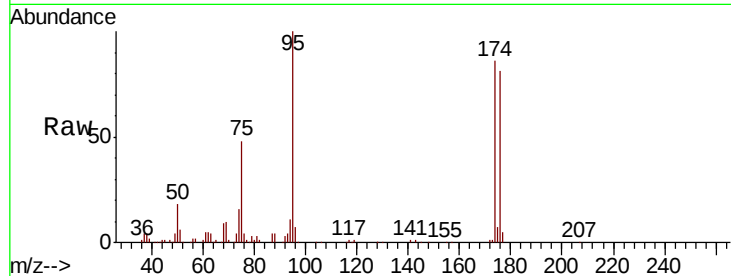




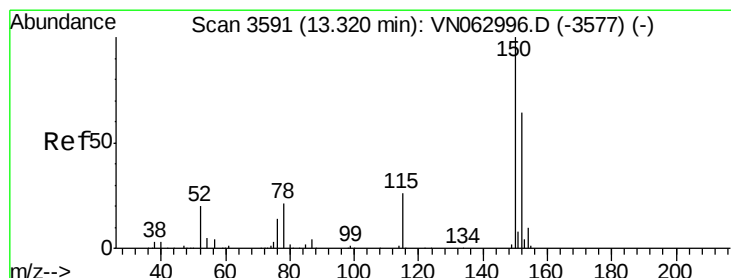
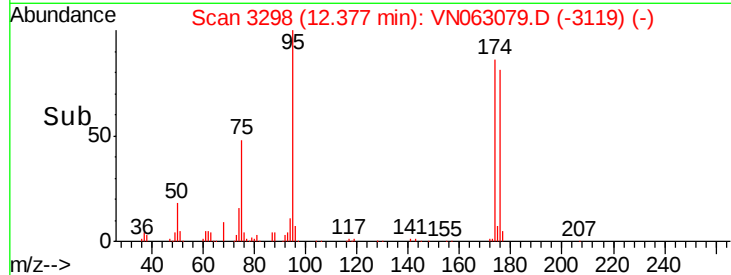
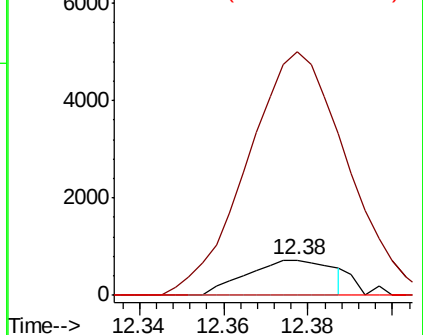
#71
Bromoform
Concen: 0.633 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Instrument :
MSVOA_N
ClientSampleId :
S39-0208

Tot Ion:173 Resp: 1028
Ion Ratio Lower Upper
173 100
175 672.0 24.3 72.8#
254 0.0 0.0 0.0

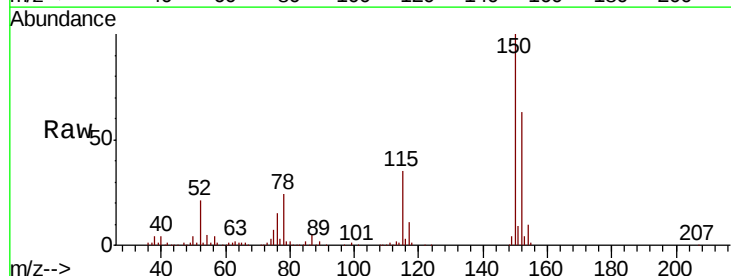


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

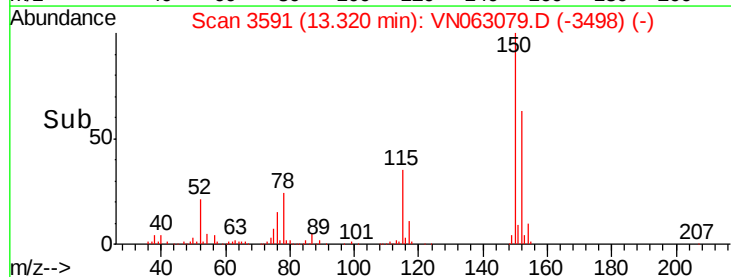
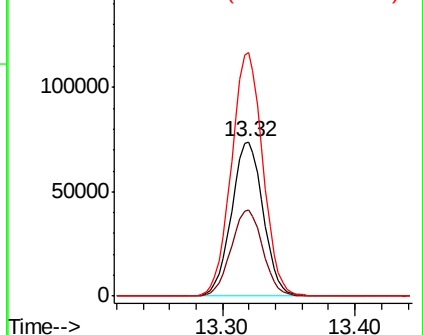


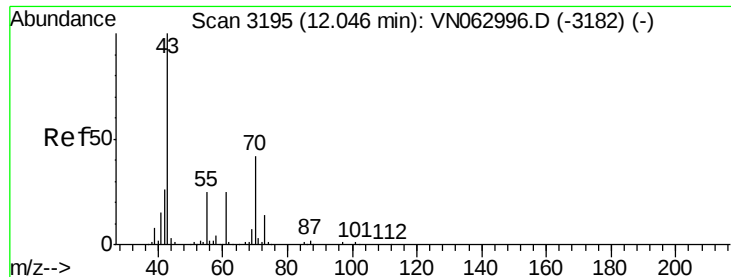
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion:152 Resp: 122196
Ion Ratio Lower Upper
152 100
115 56.4 28.7 86.3
150 156.9 0.0 348.8



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





#74

N-amvl acetate

Concen: 5.728 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

S39-0208

Tot Ion: 43 Resp: 17168

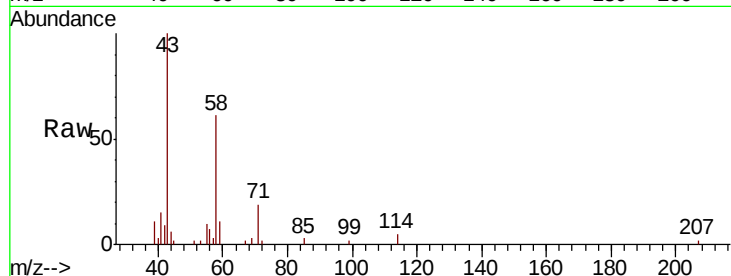
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 20.2 30.2#

61 0.0 19.9 29.9#

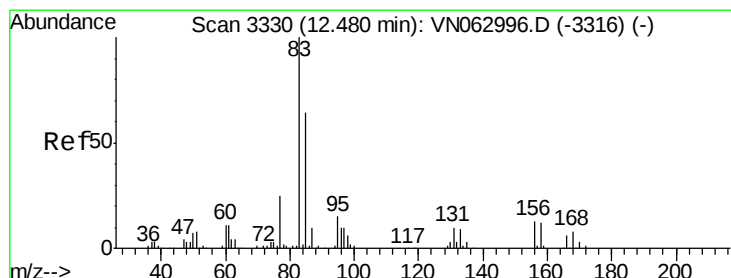
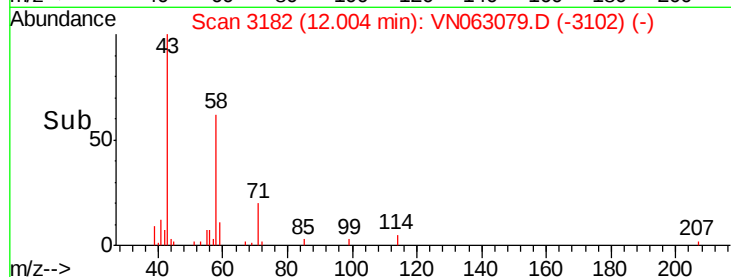
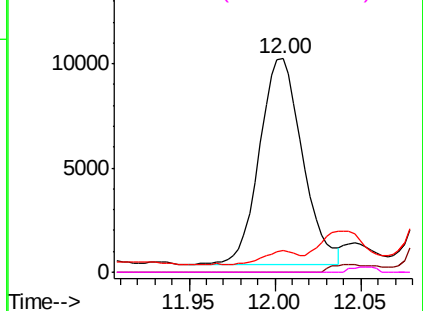


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

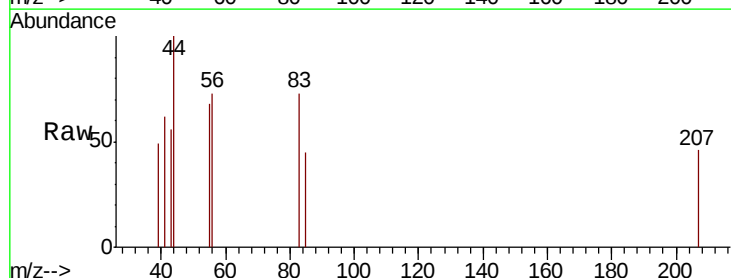
Tgt Ion: 83 Resp: 384

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

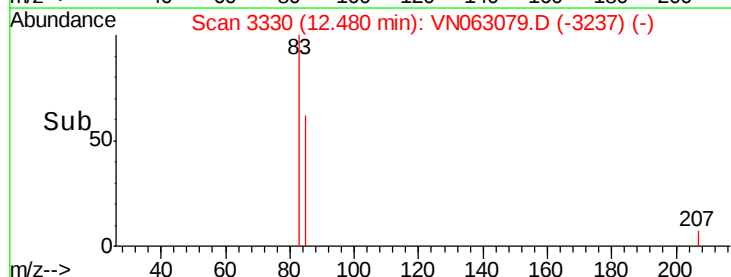
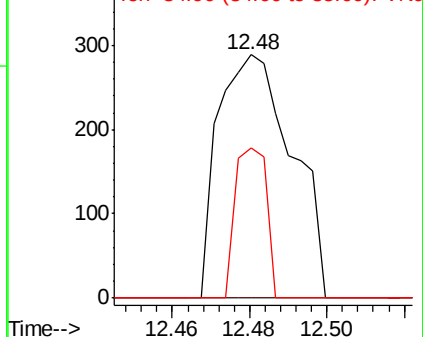
85 25.8 31.9 95.5#

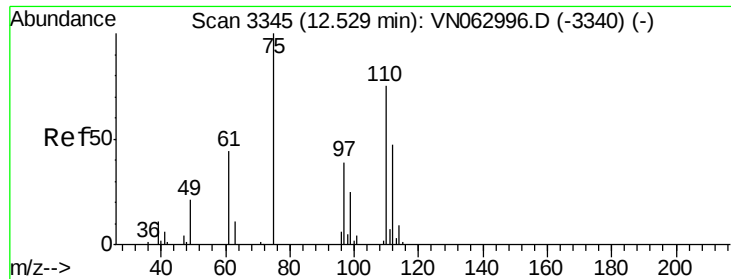


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 25.155 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

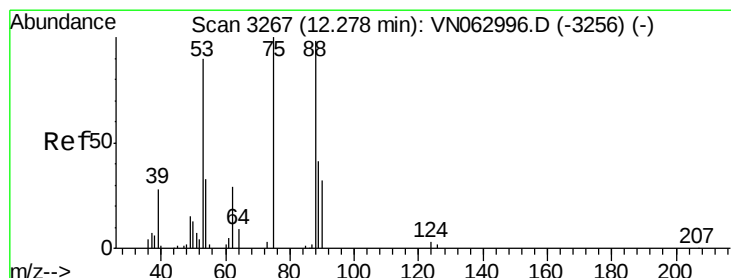
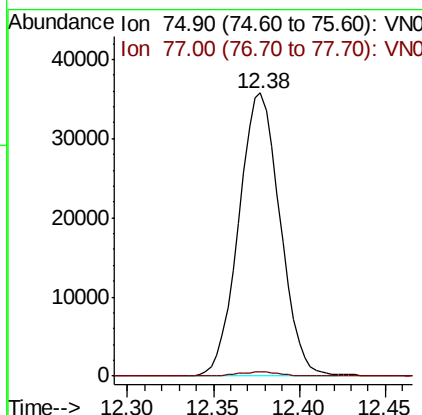
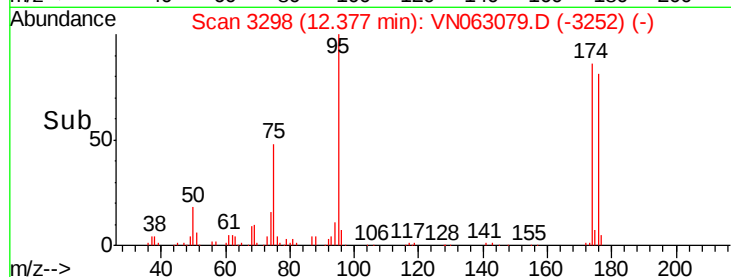
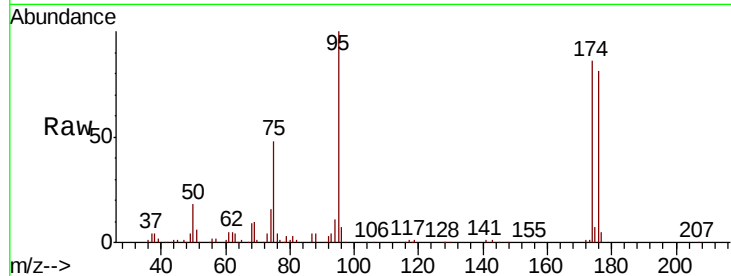
S39-0208

Tot Ion: 75 Resp: 59749

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.088 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

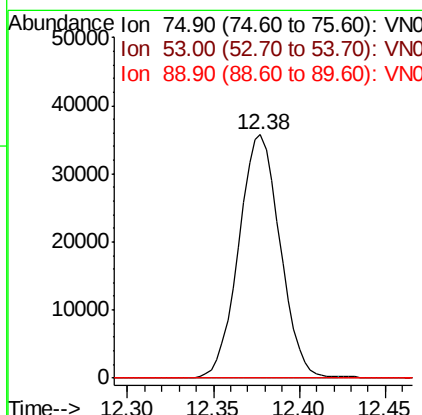
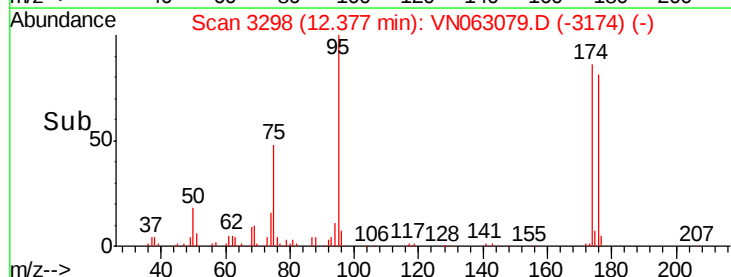
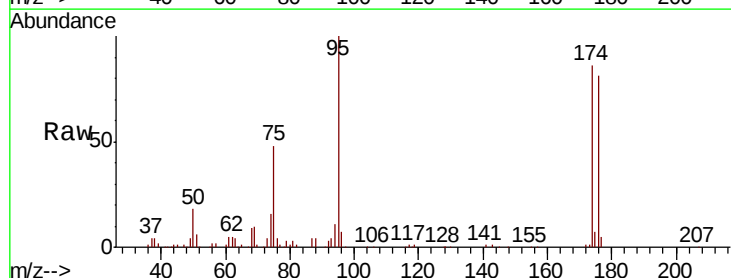
Tgt Ion: 75 Resp: 59749

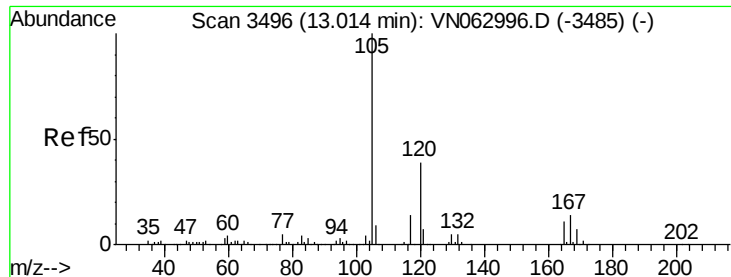
Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

89 0.0 34.2 51.4#

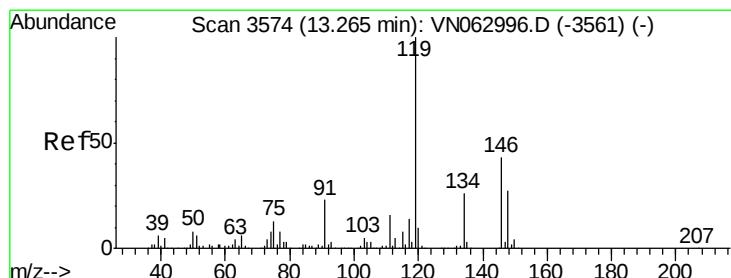
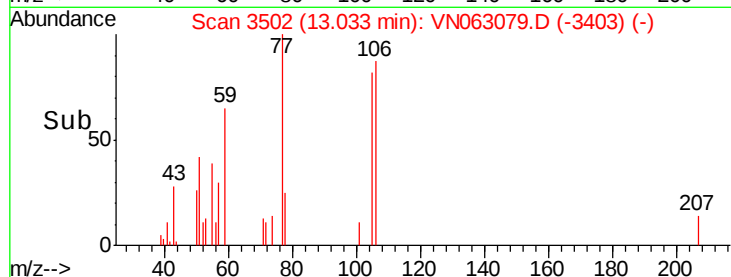
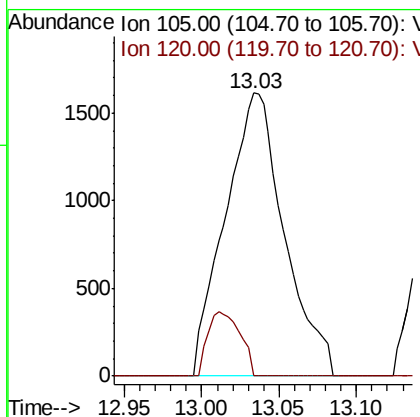
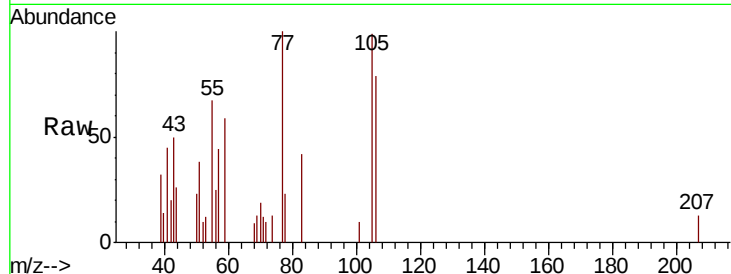




#84
 1,2,4-Trimethylbenzene
 Concen: 0.636 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.02 min
 Lab File: VN063079.D
 Acq: 21 Aug 2020 14:39

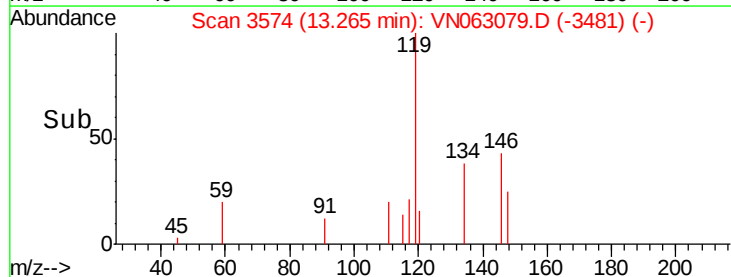
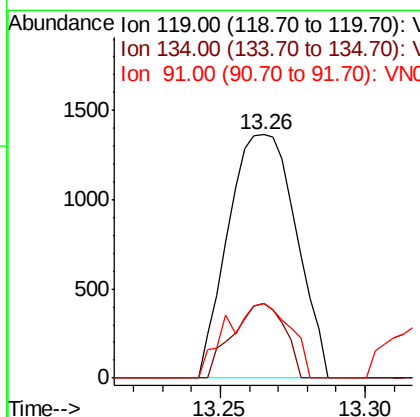
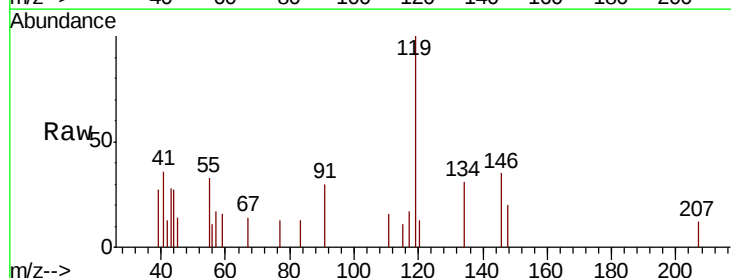
Instrument :
 MSVOA_N
 ClientSampled :
 S39-0208

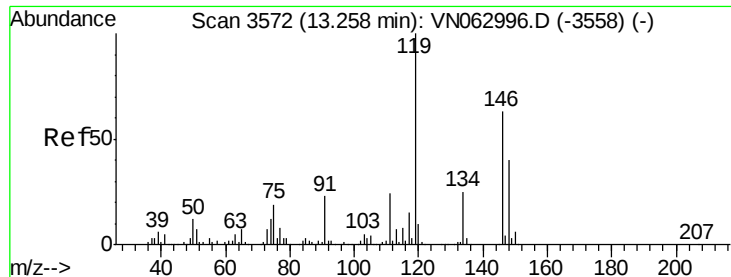
Tot Ion:105 Resp: 4285
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.5 67.5#



#86
 p-Isopropyltoluene
 Concen: 0.316 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN063079.D
 Acq: 21 Aug 2020 14:39

Tgt Ion:119 Resp: 2223
 Ion Ratio Lower Upper
 119 100
 134 23.3 13.1 39.3
 91 28.6 11.5 34.4

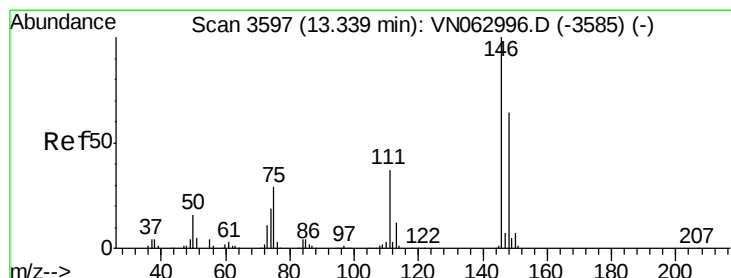
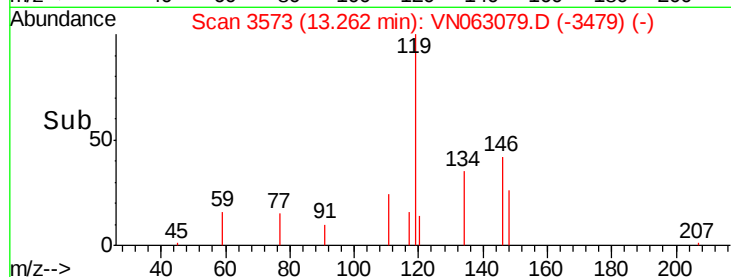
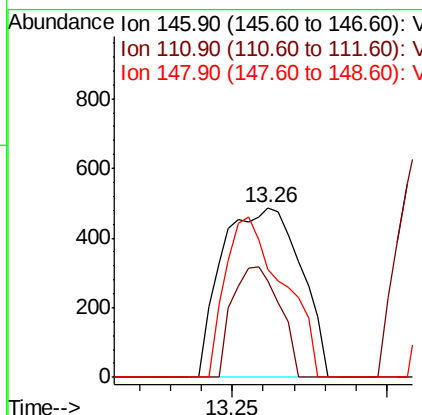
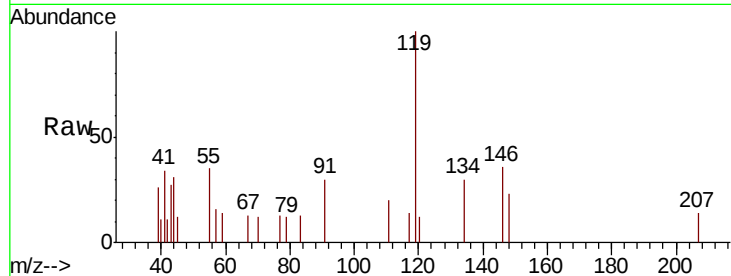




#87
 1,3-Dichlorobenzene
 Concen: 0.217 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: VN063079.D
 Acq: 21 Aug 2020 14:39

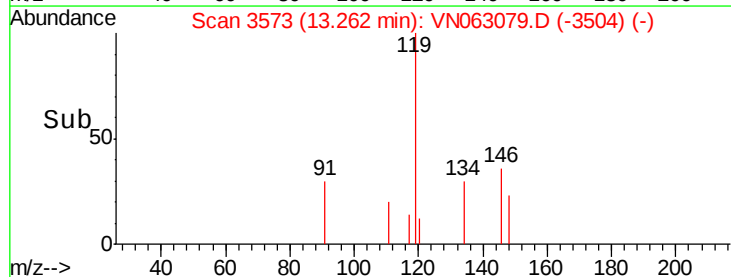
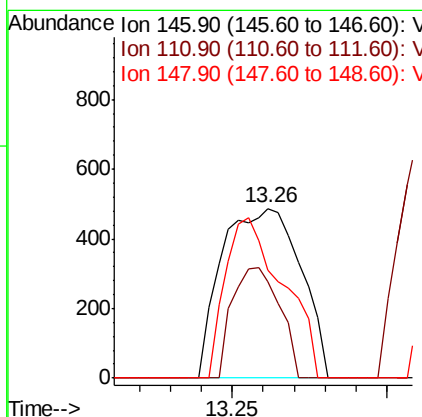
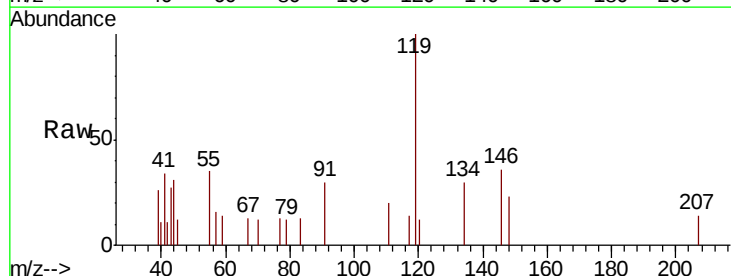
Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0208

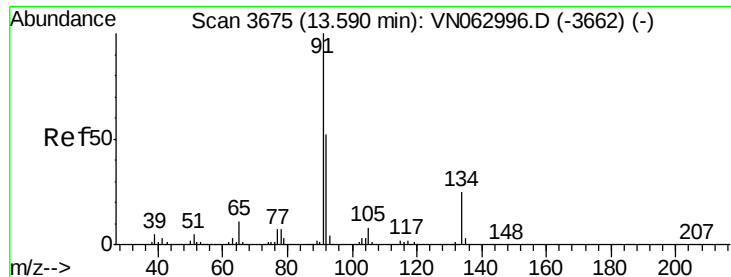
Tot Ion:146 Resp: 860
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.4 58.1
 148 69.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. -0.08 min
 Lab File: VN063079.D
 Acq: 21 Aug 2020 14:39

Tgt Ion:146 Resp: 860
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.8 56.4
 148 69.2 32.4 97.0

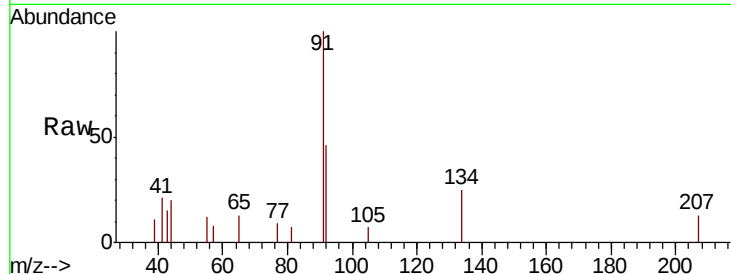




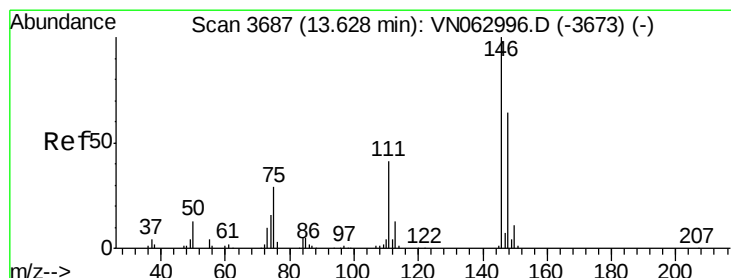
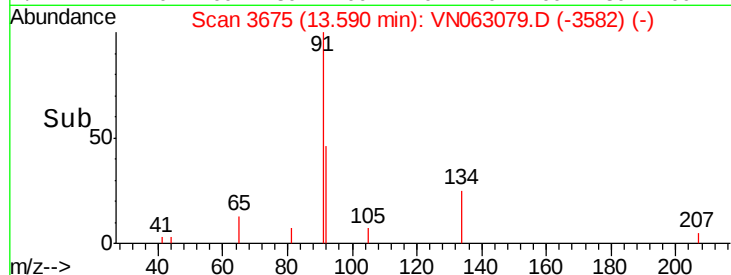
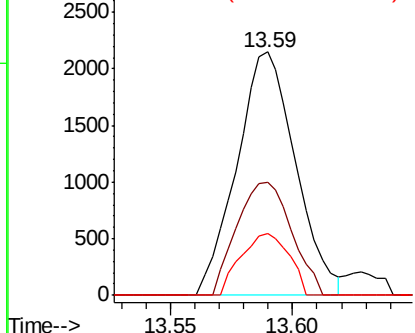
#89
n-Butylbenzene
Concen: 3.278 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Instrument :
MSVOA_N
ClientSampled :
S39-0208

Tot Ion: 91 Resp: 3582
Ion Ratio Lower Upper
91 100
92 43.3 25.9 77.6
134 20.8 12.4 37.0

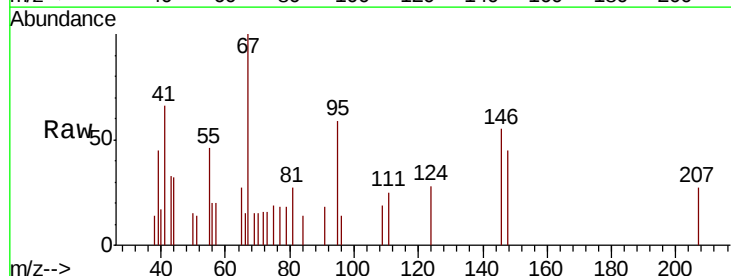


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

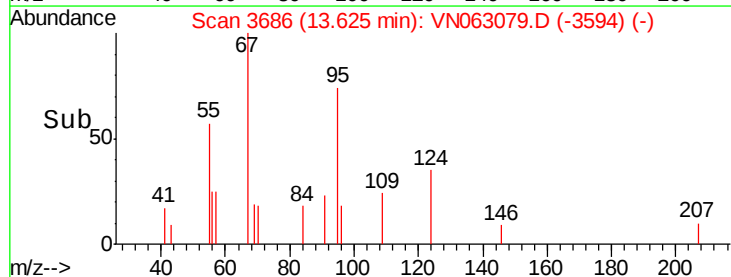
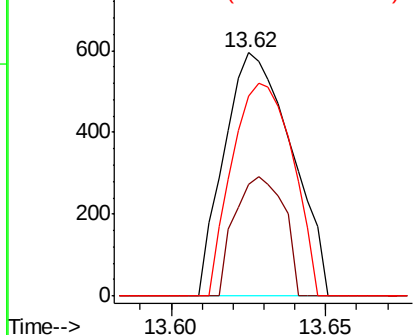


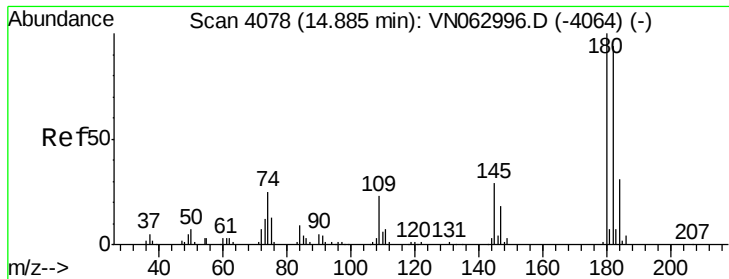
#91
1,2-Dichlorobenzene
Concen: 0.236 ug/l
RT: 13.62 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion: 146 Resp: 900
Ion Ratio Lower Upper
146 100
111 35.7 20.2 60.5
148 78.8 31.9 95.5



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





#93

1,2,4-Trichlorobenzene

Concen: 5.439 ug/l

RT: 14.89 min Scan# 4078

Delta R.T. 0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

S39-0208

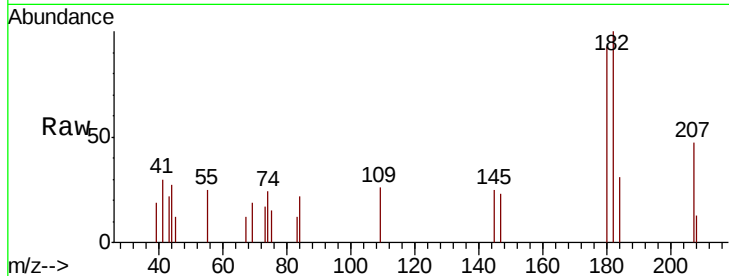
Tot Ion:180 Resp: 2082

Ion Ratio Lower Upper

180 100

182 104.1 47.0 141.2

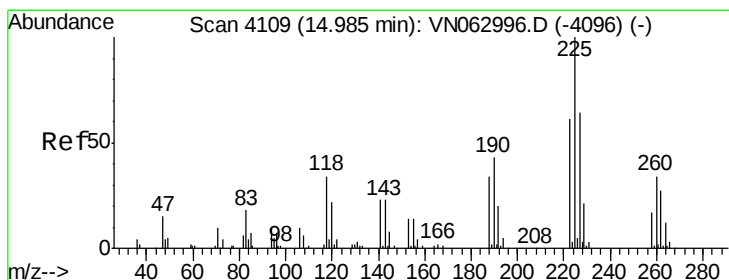
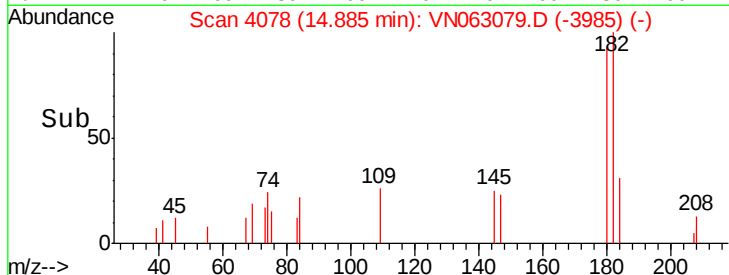
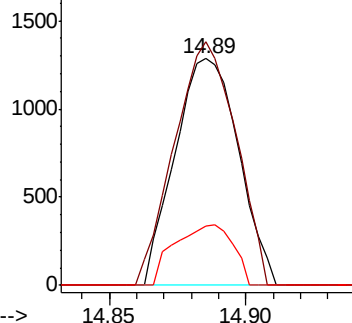
145 24.4 14.1 42.4



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: 0.397 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VN063079.D

Acq: 21 Aug 2020 14:39

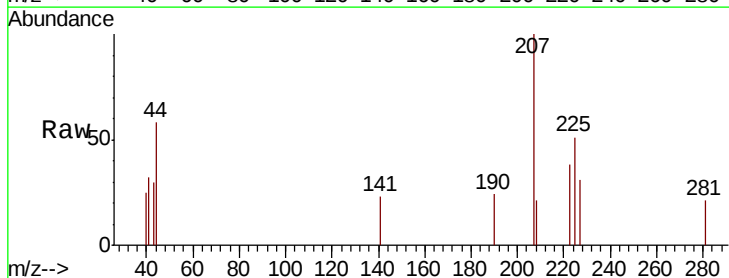
Tgt Ion:225 Resp: 560

Ion Ratio Lower Upper

225 100

223 48.0 30.9 92.5

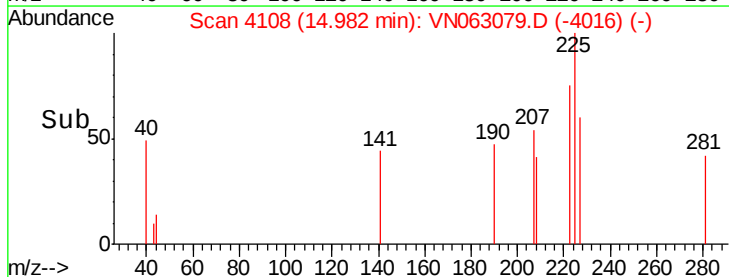
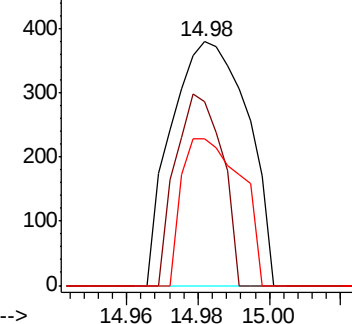
227 47.0 31.9 95.9

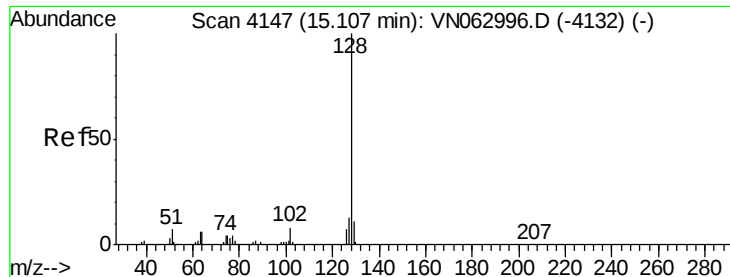


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

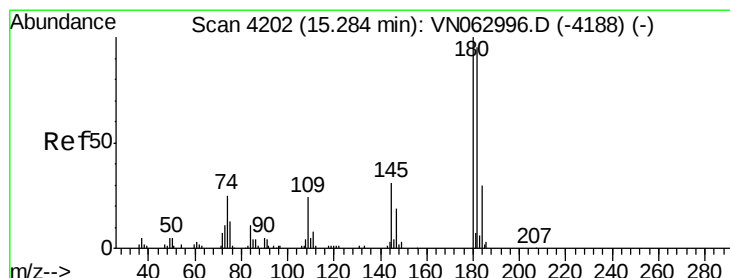
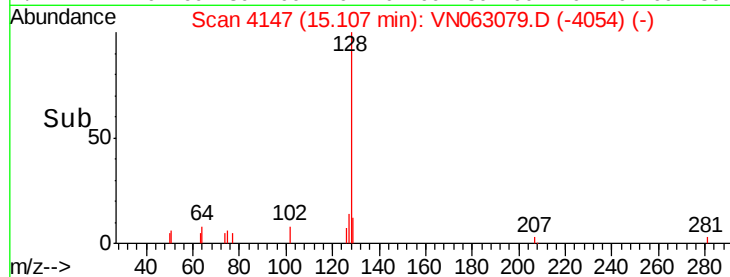
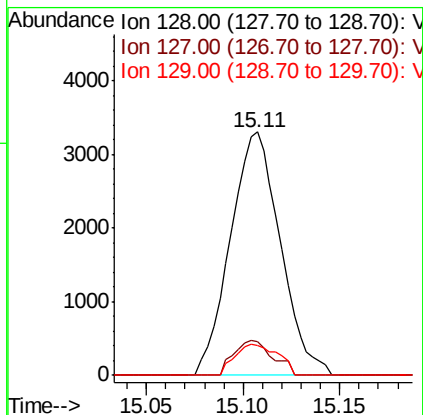
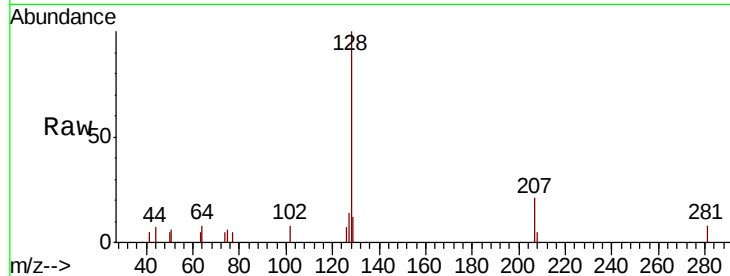




#95
Naphthalene
Concen: 6.721 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Instrument :
MSVOA_N
ClientSampleId :
S39-0208

Tot Ion:128 Resp: 5931
Ion Ratio Lower Upper
128 100
127 11.2 10.6 16.0
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 4.972 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063079.D
Acq: 21 Aug 2020 14:39

Tgt Ion:180 Resp: 2269
Ion Ratio Lower Upper
180 100
182 94.8 47.3 141.9
145 26.5 15.6 46.7

