

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063119.D
 Acq On : 25 Aug 2020 18:15
 Operator : JC/MD
 Sample : L3792-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40617

Quant Time: Aug 26 05:41:21 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	166330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	279649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	282376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	101440	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.55	113	54974	30.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.34%	
50) Toluene-d8	10.06	98	351776	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.38	95	137220	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	

Target Compounds

						Qvalue
3) Chloromethane	2.03	50	1309	0.574	ug/l	93
8) Diethyl Ether	3.38	74	2148	2.208	ug/l #	1
11) Tert butyl alcohol	4.75	59	17841	63.894	ug/l #	74
13) Acrolein	3.59	56	62	0.709	ug/l #	13
14) Allyl chloride	4.25	41	2801	1.125	ug/l #	28
15) Acrylonitrile	4.98	53	420	0.512	ug/l #	1
16) Acetone	3.80	43	1183491	1951.915	ug/l	98
17) Carbon Disulfide	4.00	76	3680	0.995	ug/l #	76
18) Methyl Acetate	4.29	43	84535	43.151	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	170969	34.723	ug/l	99
20) Methylene Chloride	4.51	84	1378	Below Cal	#	83
22) Diisopropyl ether	5.91	45	98913	17.510	ug/l	96
23) Vinyl Acetate	5.91	43	52166	13.684	ug/l #	73
25) 2-Butanone	6.79	43	205023	195.898	ug/l	98
29) Tetrahydrofuran	7.17	42	2959	4.381	ug/l #	64
31) Cyclohexane	7.62	56	7338	2.526	ug/l #	62
36) 1,1-Dichloropropene	7.63	75	11891	4.825	ug/l #	48
37) Ethyl Acetate	6.89	43	2774008	1201.297	ug/l	98
38) Carbon Tetrachloride	7.63	117	15120	6.077	ug/l #	17
39) Methylcyclohexane	9.05	83	738	1.777	ug/l	91
40) Benzene	8.00	78	6246335	799.148	ug/l #	90
41) Methacrylonitrile	7.16	41	10784	9.802	ug/l #	36
42) 1,2-Dichloroethane	8.00	62	55168	21.020	ug/l #	75
43) Isopropyl Acetate	8.10	43	6529	1.707	ug/l #	53
48) Methyl methacrylate	9.14	41	2470	1.365	ug/l #	11
51) 4-Methyl-2-Pentanone	9.96	43	10699	4.425	ug/l #	70
52) Toluene	10.13	92	5726719	1214.558	ug/l #	70
53) t-1,3-Dichloropropene	10.13	75	79770	26.983	ug/l #	1
56) Ethyl methacrylate	10.40	69	57	1.758	ug/l #	27
59) 2-Hexanone	10.72	43	10090	5.982	ug/l	83
67) Ethyl Benzene	11.49	91	674340	70.371	ug/l	100
68) m/p-Xylenes	11.59	106	956268	268.498	ug/l	100
69) o-Xylene	11.92	106	538540	157.465	ug/l	98
70) Styrene	11.92	104	36468	7.090	ug/l #	1

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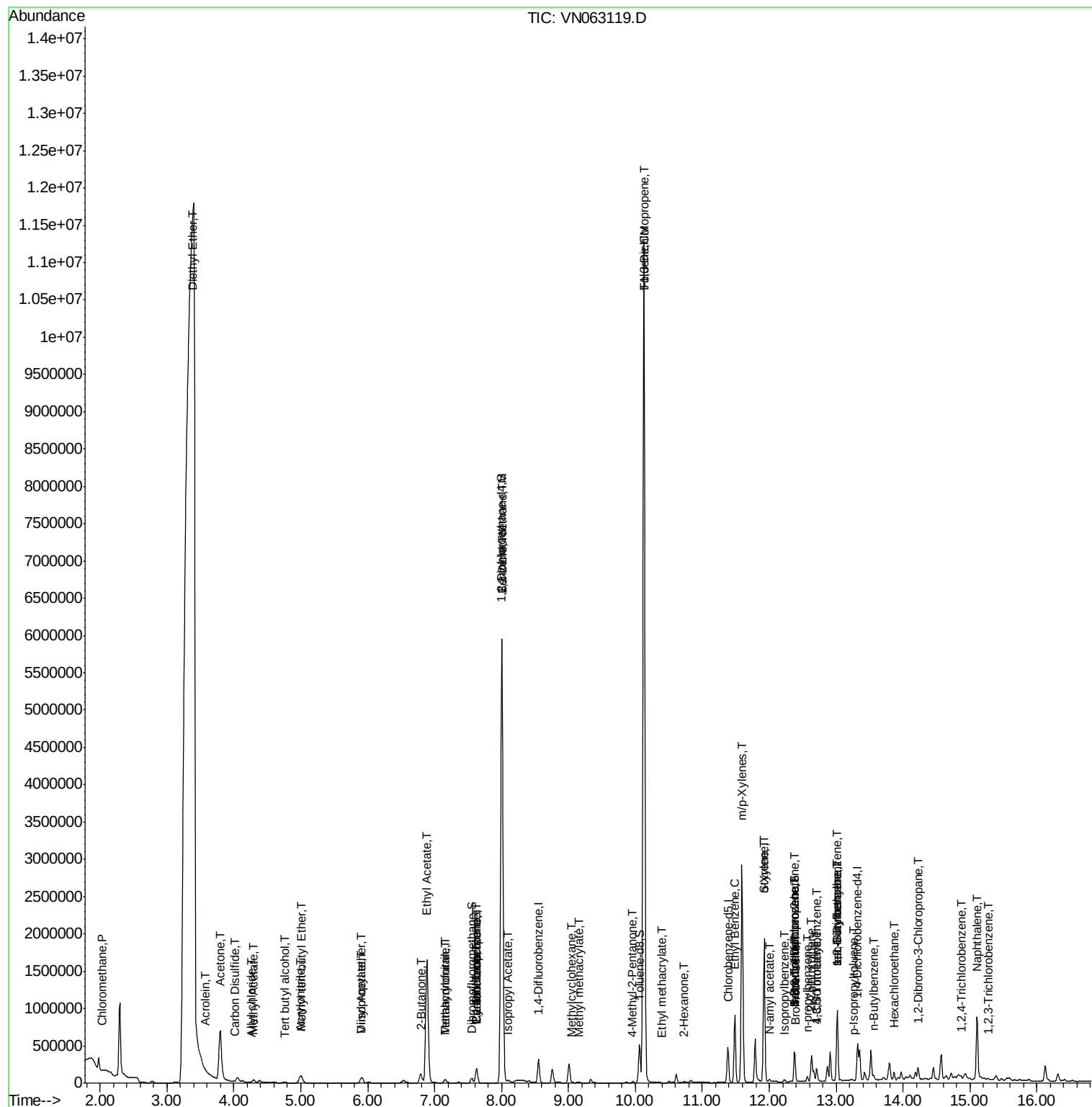
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Bromoform	12.38	173	946	0.539	ug/l #	1
73) Isopropylbenzene	12.23	105	18872	2.003	ug/l	98
74) N-amyl acetate	12.00	43	20812	6.167	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.46	83	120	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.38	75	67103	25.091	ug/l #	100
77) Bromobenzene	12.40	156	845	0.326	ug/l #	1
78) n-propylbenzene	12.57	91	48713	4.536	ug/l	98
79) 2-Chlorotoluene	12.63	91	25396	3.760	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.71	105	90703	11.645	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	67103	68.911	ug/l #	15
82) 4-Chlorotoluene	12.71	91	8219	1.195	ug/l #	42
83) tert-Butylbenzene	13.02	119	65116	9.686	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.02	105	529077	69.727	ug/l	100
85) sec-Butylbenzene	13.02	105	529077	58.234	ug/l #	57
86) p-Isopropyltoluene	13.26	119	2132	0.269	ug/l #	74
89) n-Butylbenzene	13.56	91	1970	3.019	ug/l #	1
90) Hexachloroethane	13.87	117	5613	3.336	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.23	75	938	1.977	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.88	180	162	4.607	ug/l #	71
95) Naphthalene	15.10	128	724905	122.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	29	3.977	ug/l #	13

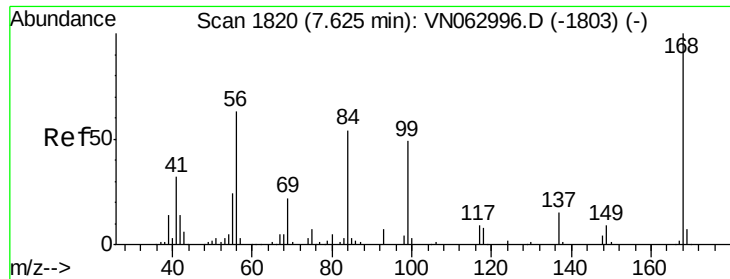
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

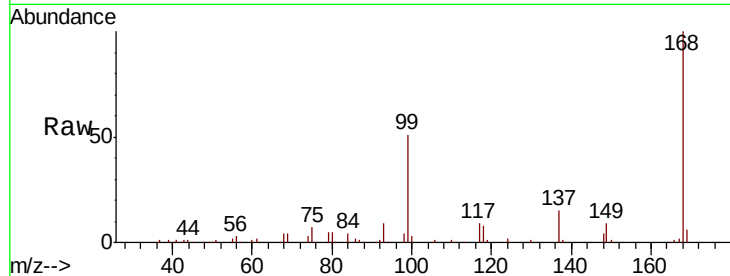
40617

Tot Ion:168 Resp: 166330

Ion Ratio Lower Upper

168 100

99 50.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

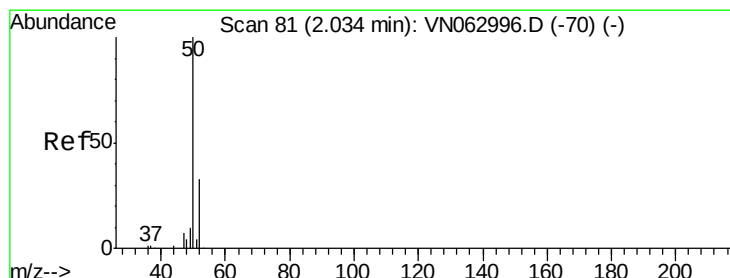
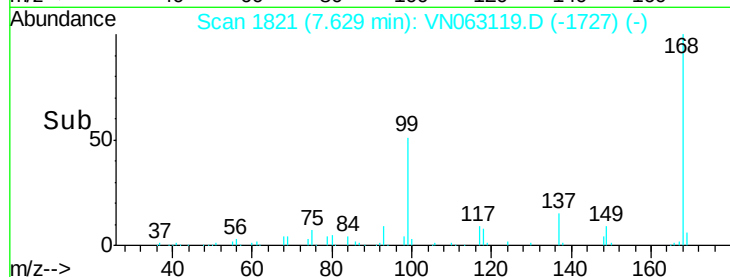
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.574 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063119.D

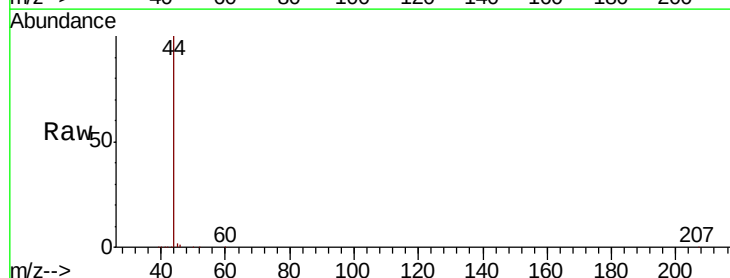
Acq: 25 Aug 2020 18:15

Tgt Ion: 50 Resp: 1309

Ion Ratio Lower Upper

50 100

52 36.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

800

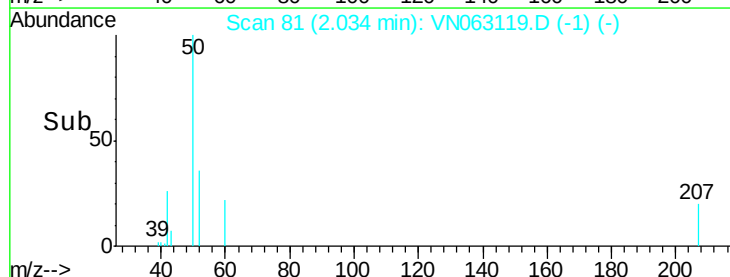
600

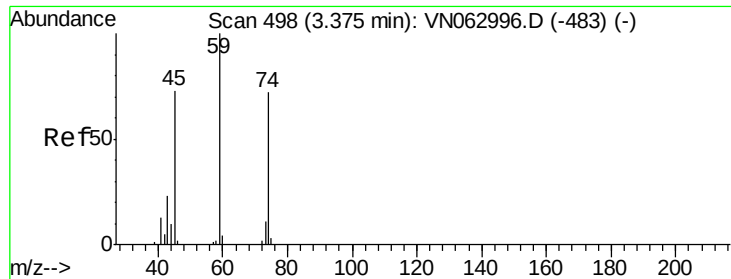
400

200

0

Time--> 2.00 2.05





#8

Diethyl Ether

Concen: 2.208 ug/l

RT: 3.38 min Scan# 499

Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

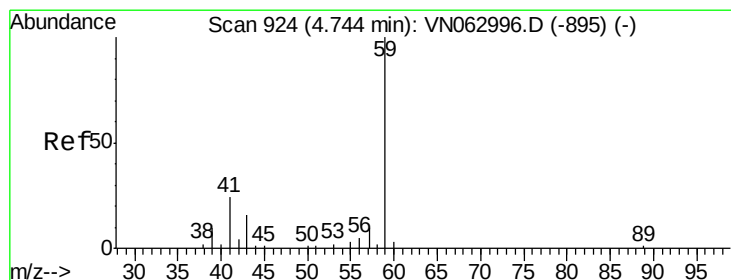
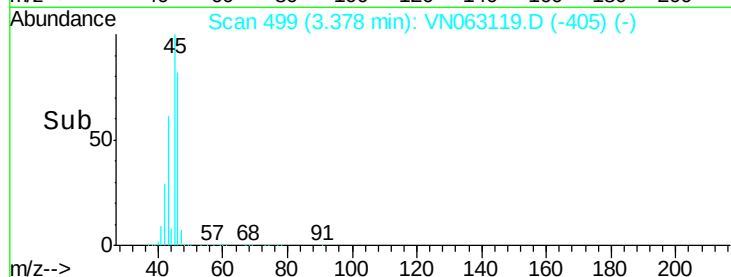
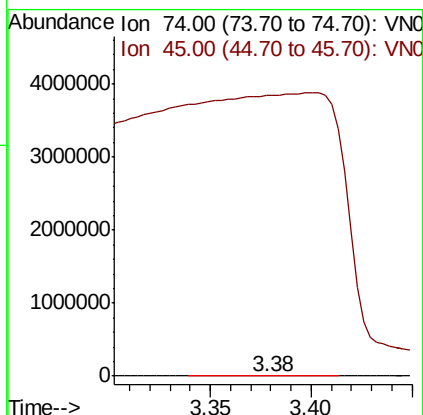
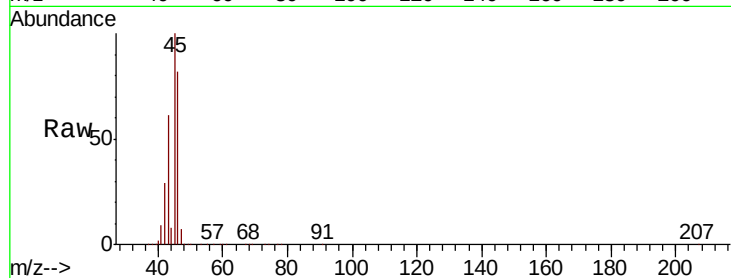
40617

Tot Ion: 74 Resp: 2148

Ion Ratio Lower Upper

74 100

45 0.0 49.9 149.7#



#11

Tert butyl alcohol

Concen: 63.894 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.01 min

Lab File: VN063119.D

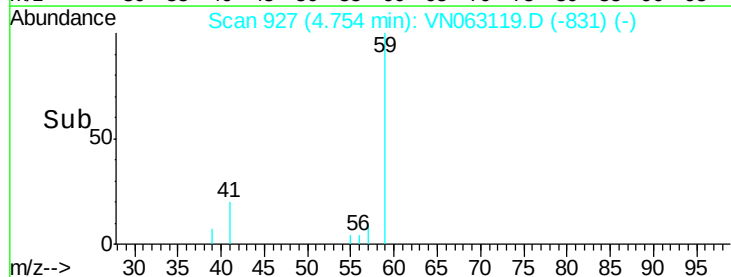
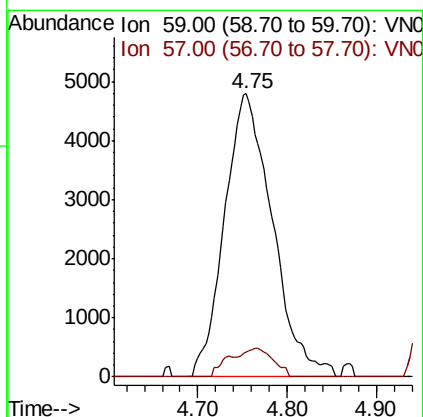
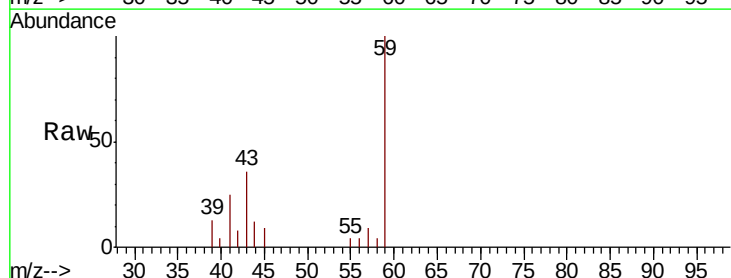
Acq: 25 Aug 2020 18:15

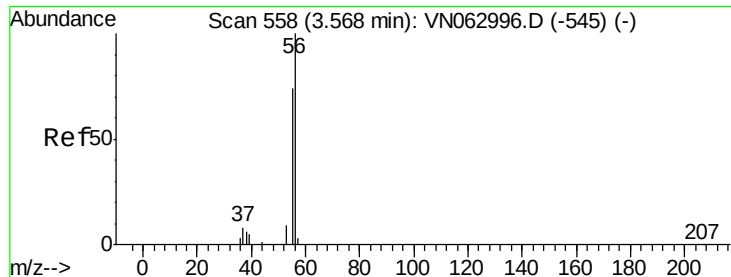
Tgt Ion: 59 Resp: 17841

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#





#13

Acrolein

Concen: 0.709 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.02 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

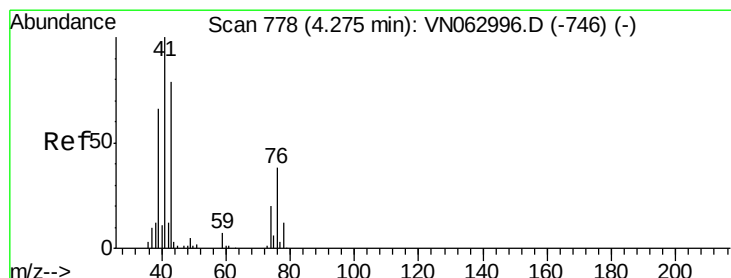
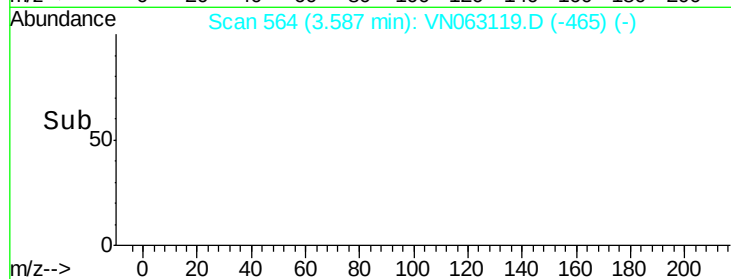
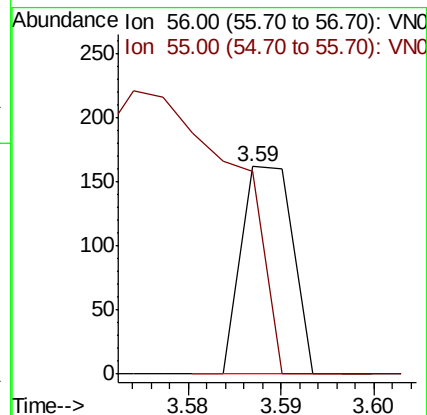
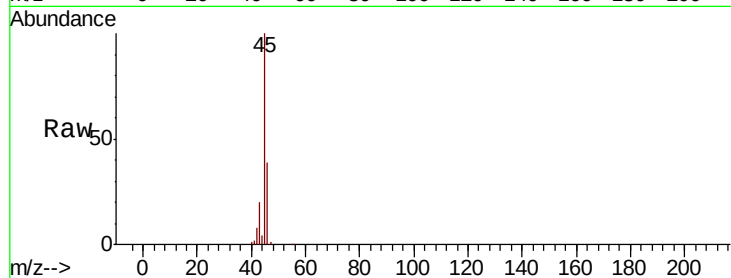
40617

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#14

Allyl chloride

Concen: 1.125 ug/l

RT: 4.25 min Scan# 771

Delta R.T. -0.02 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

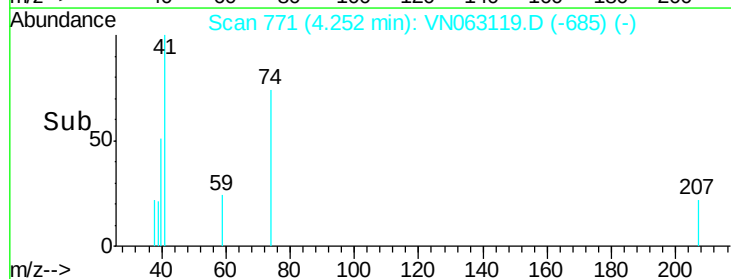
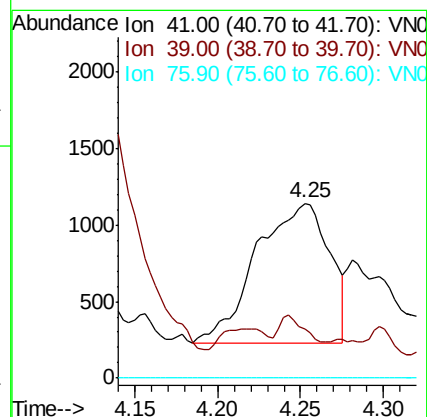
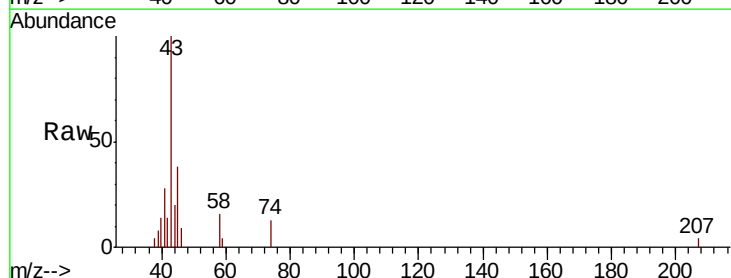
Tgt Ion: 41 Resp: 2801

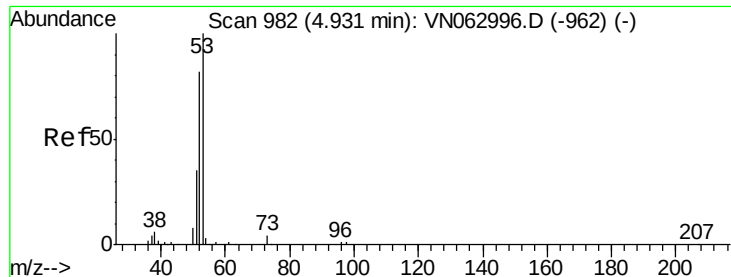
Ion Ratio Lower Upper

41 100

39 0.0 47.9 71.9#

76 0.0 27.0 40.6#





#15

Acrylonitrile

Concen: 0.512 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.05 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

40617

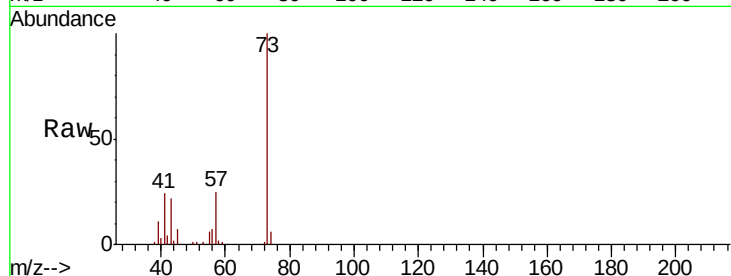
Tot Ion: 53 Resp: 420

Ion Ratio Lower Upper

53 100

52 0.0 65.6 98.4#

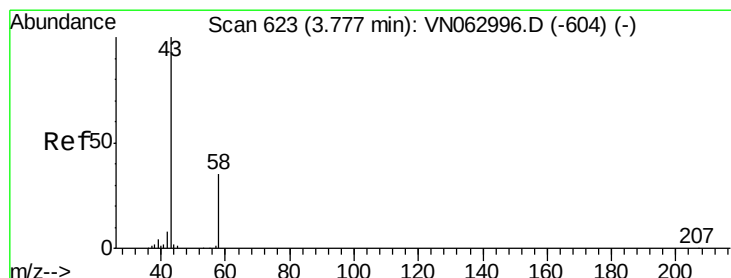
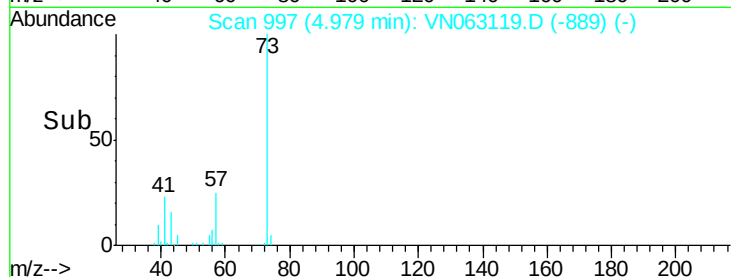
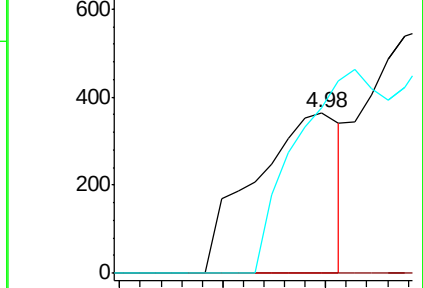
51 131.9 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 1951.915 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN063119.D

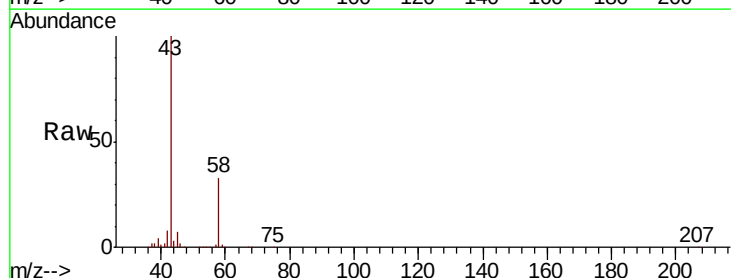
Acq: 25 Aug 2020 18:15

Tgt Ion: 43 Resp: 1183491

Ion Ratio Lower Upper

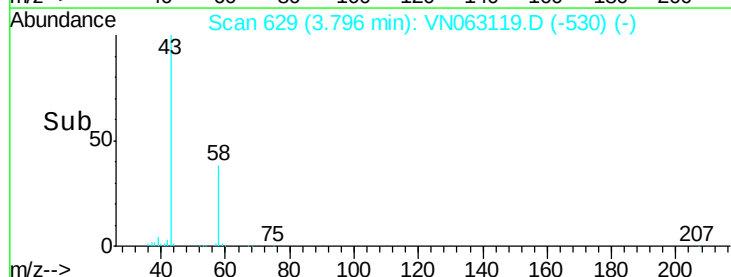
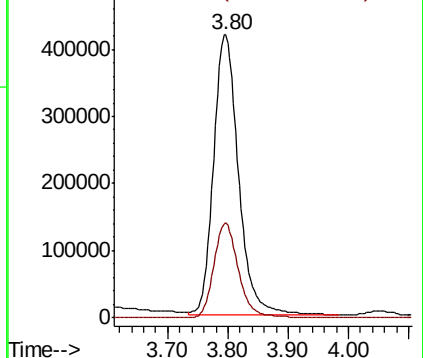
43 100

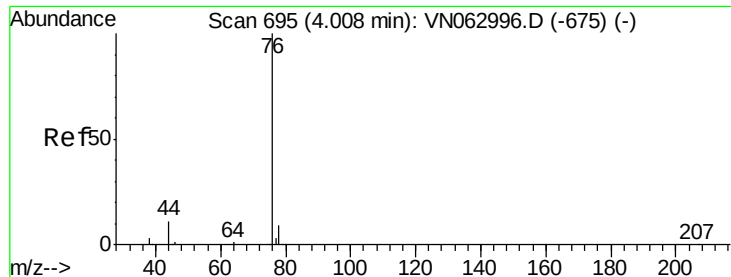
58 33.8 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.995 ug/l

RT: 4.00 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN063119.D

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Instrument :

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ClientSampled :

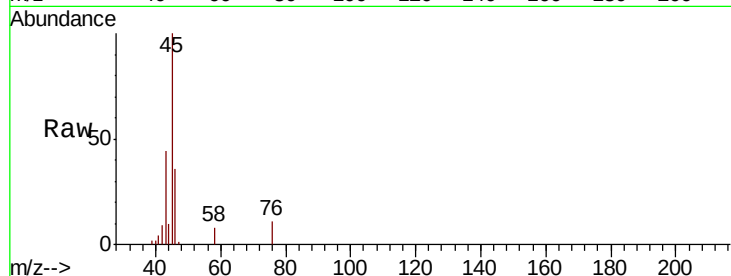
40617

Tot Ion: 76 Resp: 3680

Ion Ratio Lower Upper

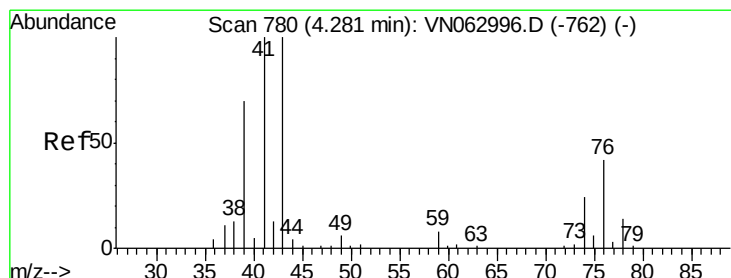
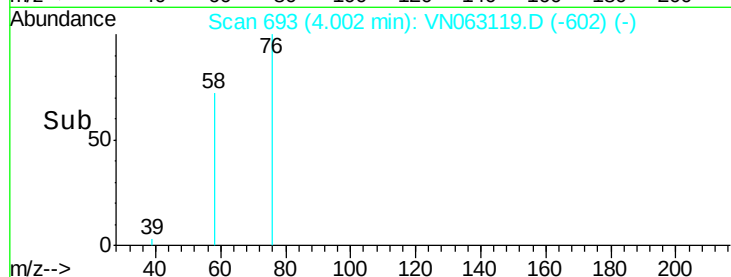
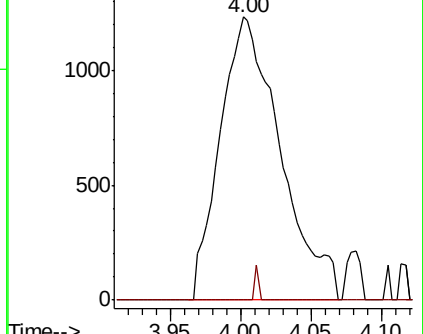
76 100

78 0.0 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 43.151 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN063119.D

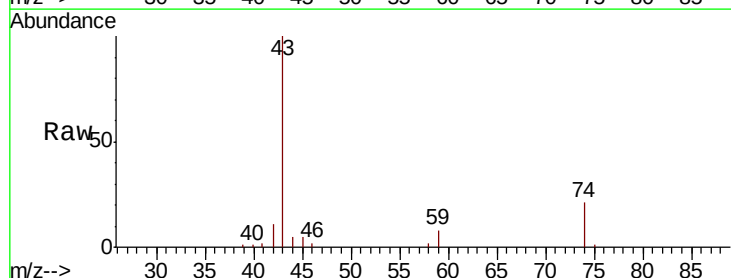
Acq: 25 Aug 2020 18:15

Tgt Ion: 43 Resp: 84535

Ion Ratio Lower Upper

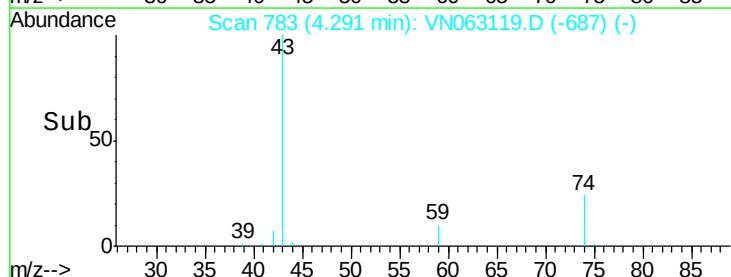
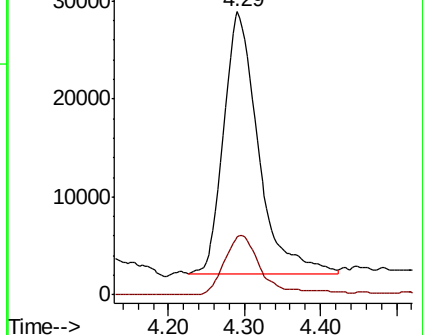
43 100

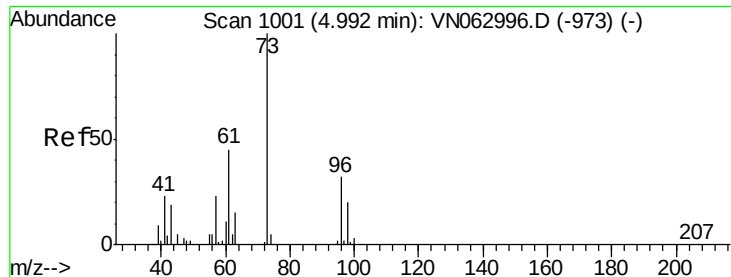
74 23.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

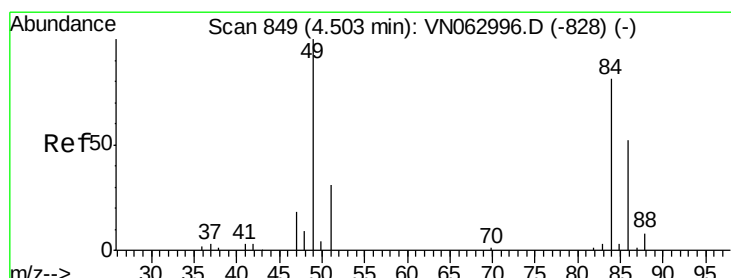
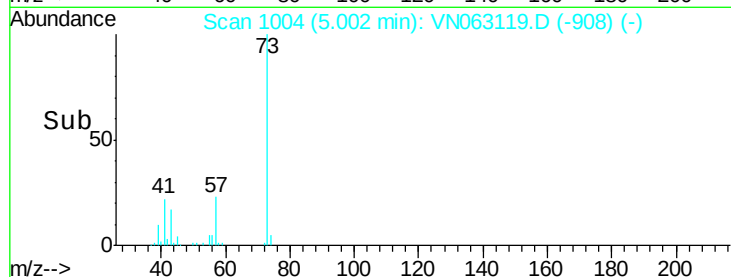
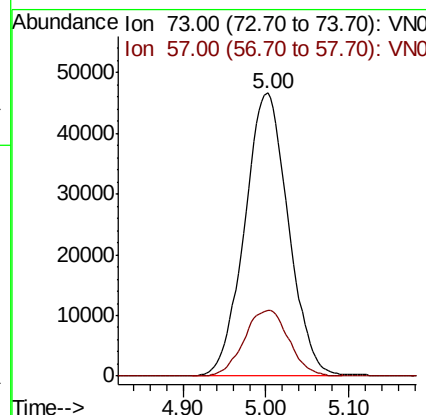
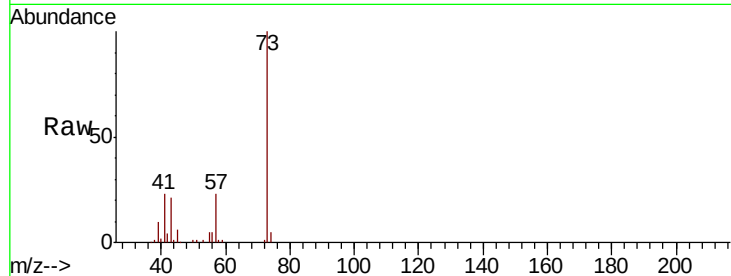




#19
Methyl tert-butyl Ether
Concen: 34.723 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VN063119.D
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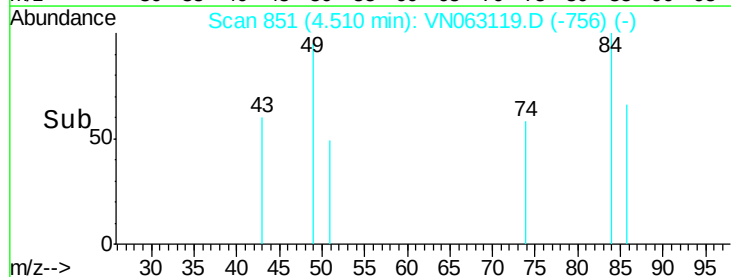
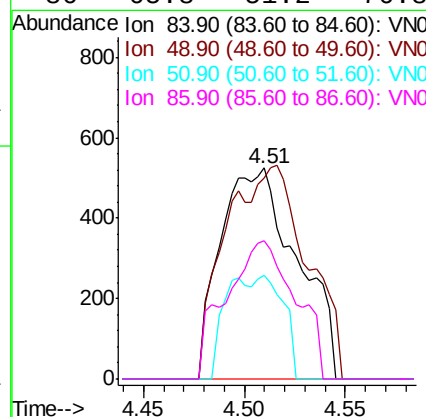
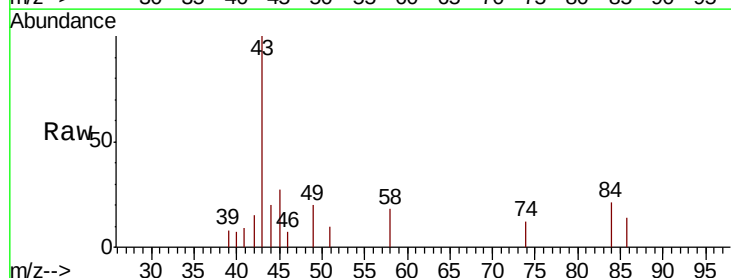
Instrument :
MSVOA_N
ClientSampled :
40617

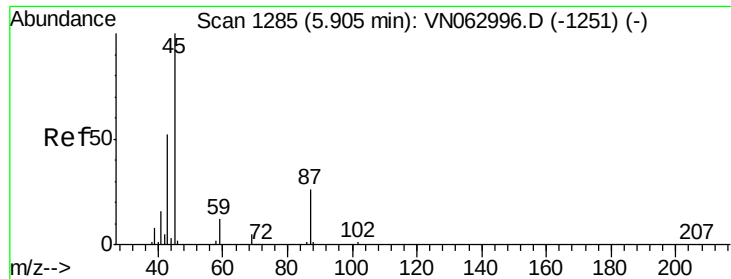
Tot Ion: 73 Resp: 170969
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

Tgt Ion: 84 Resp: 1378
Ion Ratio Lower Upper
84 100
49 95.2 98.7 148.1#
51 49.2 30.8 46.2#
86 65.8 51.2 76.8





#22

Diisopropyl ether

Concen: 17.510 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

40617

Tot Ion: 45 Resp: 98913

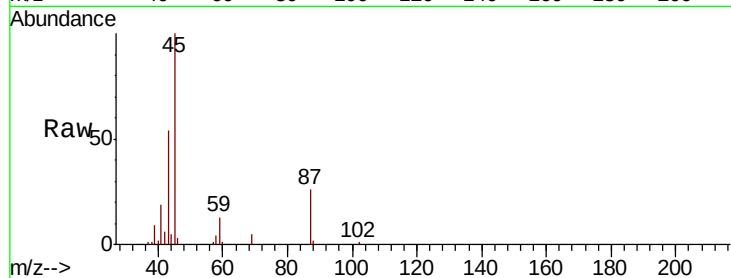
Ion Ratio Lower Upper

45 100

43 53.3 45.7 68.5

87 26.0 21.8 32.6

59 12.8 9.3 13.9

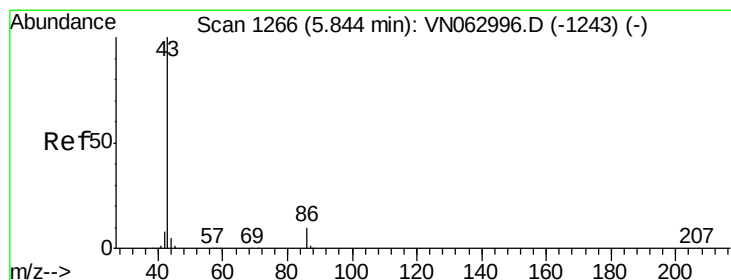
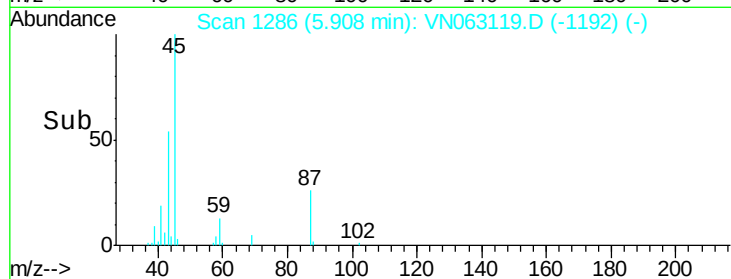
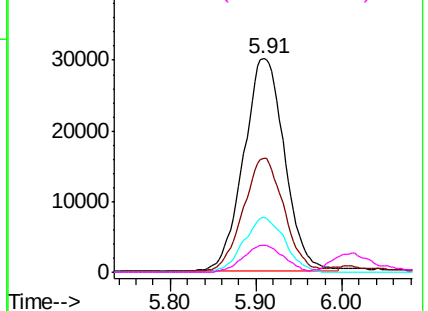


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 13.684 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.06 min

Lab File: VN063119.D

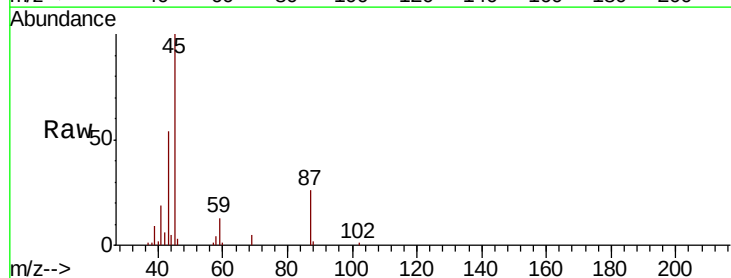
Acq: 25 Aug 2020 18:15

Tgt Ion: 43 Resp: 52166

Ion Ratio Lower Upper

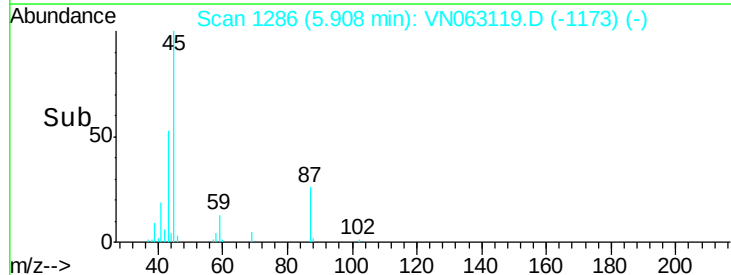
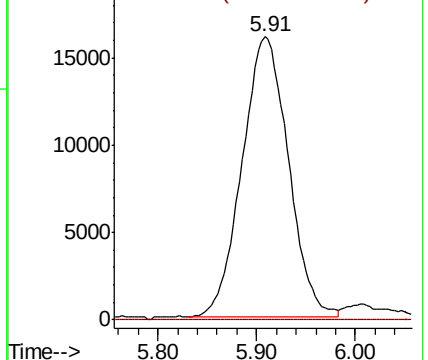
43 100

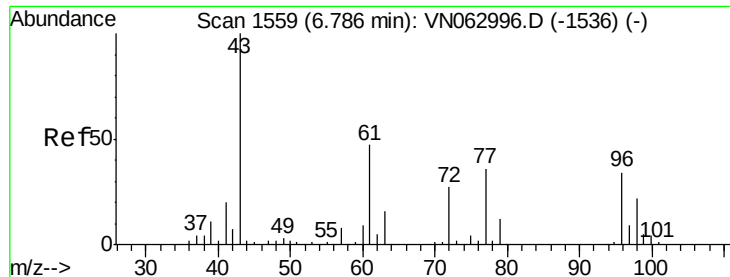
86 0.0 8.0 12.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#25

2-Butanone

Concen: 195.898 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

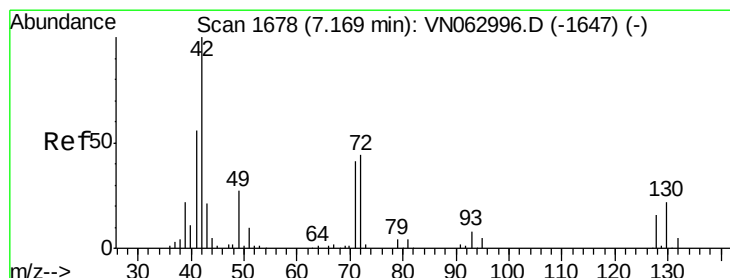
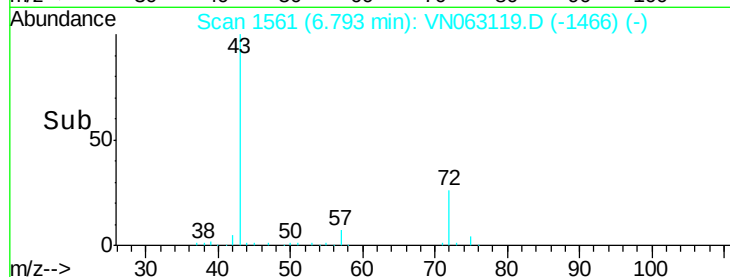
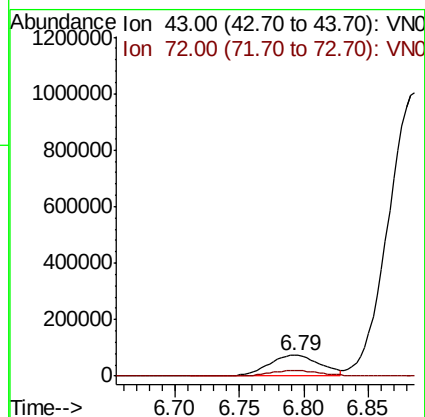
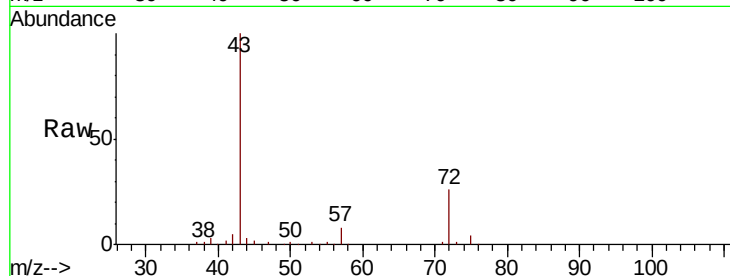
Instrument :
MSVOA_N
ClientSampled :
40617

Tot Ion: 43 Resp: 205023

Ion Ratio Lower Upper

43 100

72 26.4 21.8 32.6



#29

Tetrahydrofuran

Concen: 4.381 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

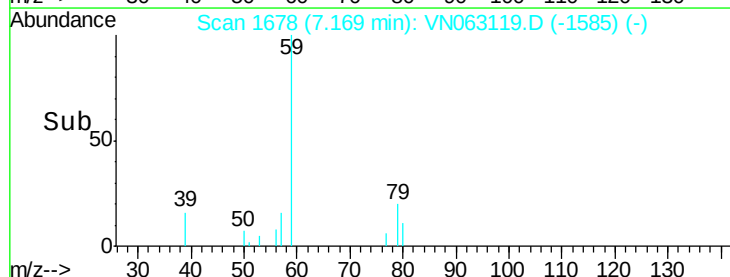
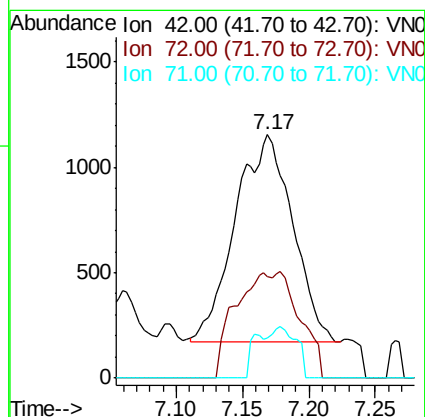
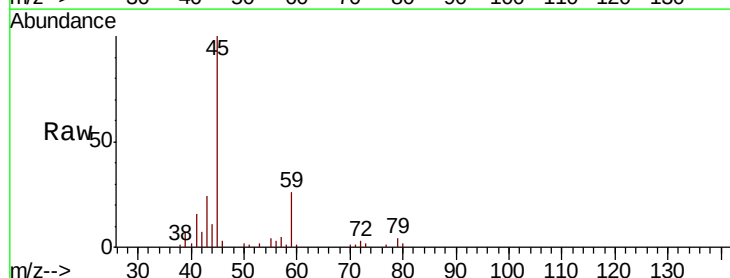
Tgt Ion: 42 Resp: 2959

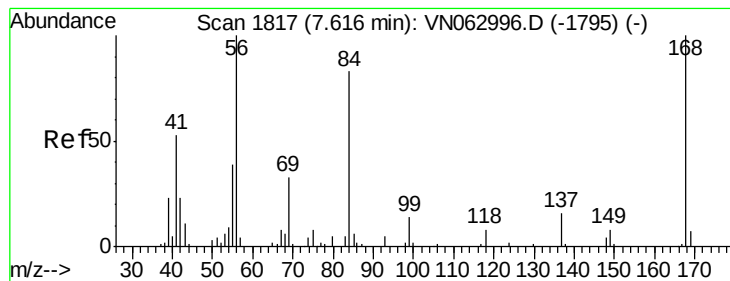
Ion Ratio Lower Upper

42 100

72 33.1 34.6 52.0#

71 5.0 32.3 48.5#





#31

Cyclohexane

Concen: 2.526 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

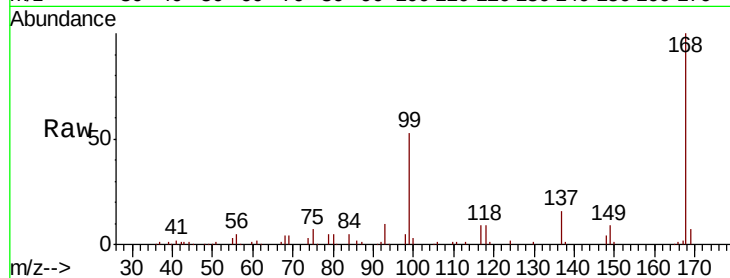
MSVOA_N

ClientSampleId :

40617

Tot Ion: 56 Resp: 7338

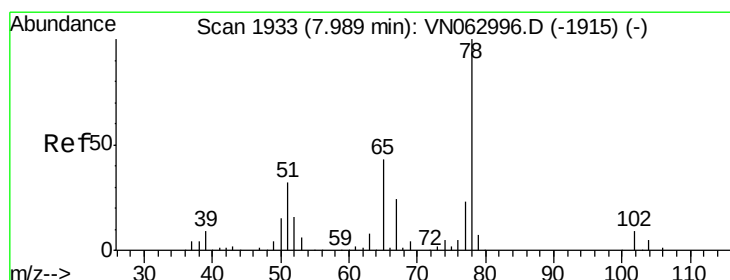
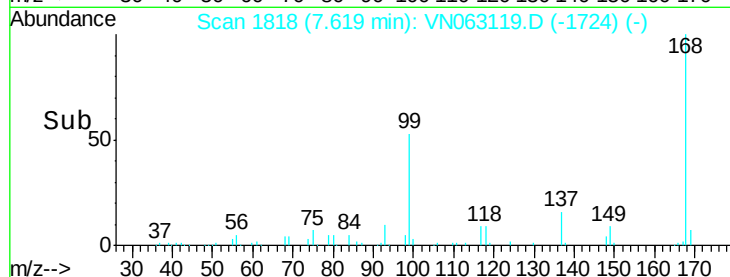
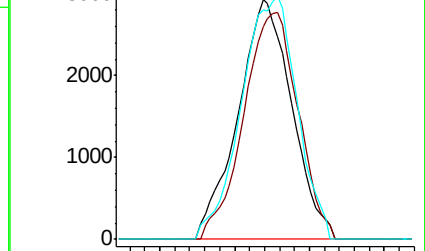
Ion	Ratio	Lower	Upper
56	100		
69	88.9	26.6	40.0#
84	95.8	66.4	99.6



Abundance Ion 56.00 (55.70 to 56.70): VN063119.D (-1724) (-)

Ion 69.00 (68.70 to 69.70): VN063119.D (-1724) (-)

Ion 84.00 (83.70 to 84.70): VN063119.D (-1724) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.458 ug/l

RT: 7.99 min Scan# 1934

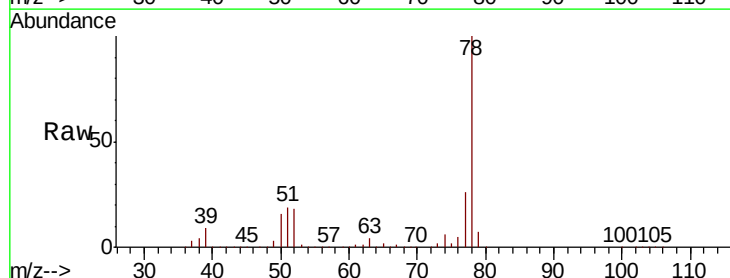
Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

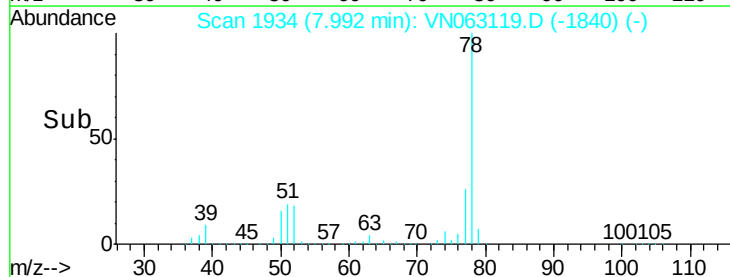
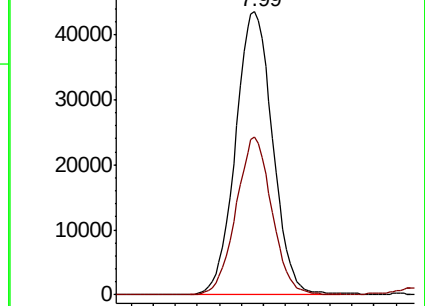
Tgt Ion: 65 Resp: 101440

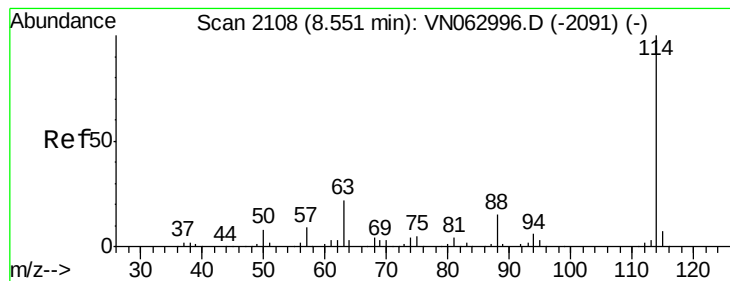
Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	112.0



Abundance Ion 64.90 (64.60 to 65.60): VN063119.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN063119.D (-1840) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

40617

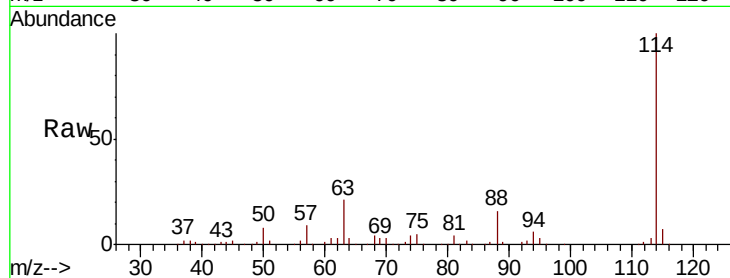
Tot Ion:114 Resp: 279649

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

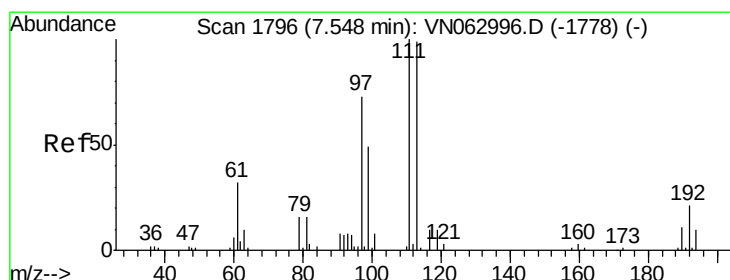
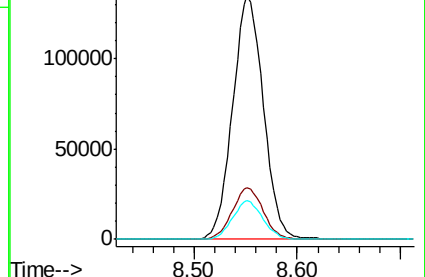
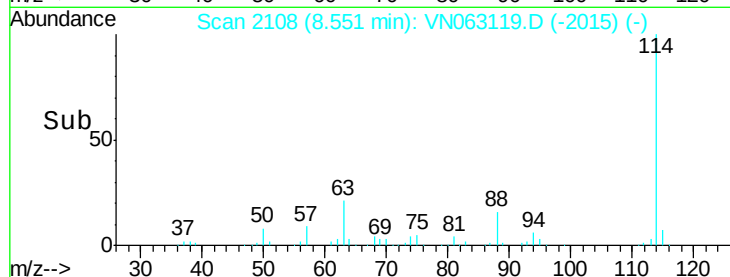
88 15.9 0.0 30.6



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: 30.169 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

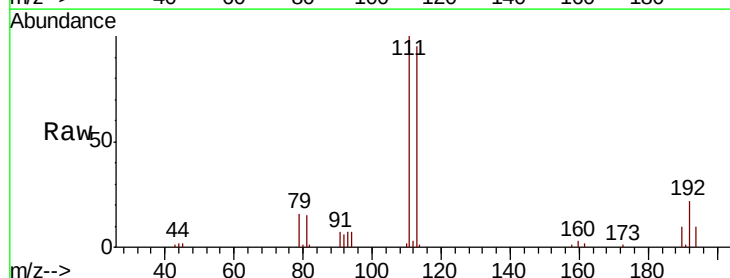
Tgt Ion:113 Resp: 54974

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

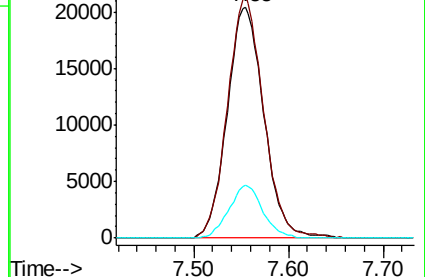
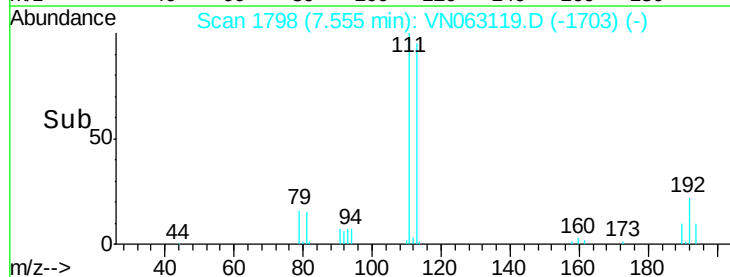
192 21.1 17.5 26.3

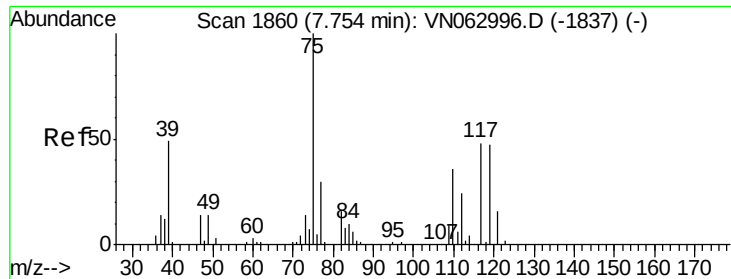


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

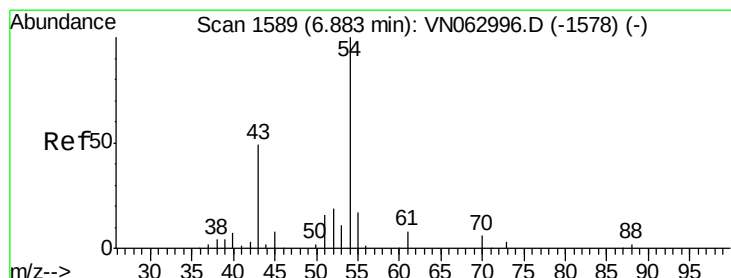
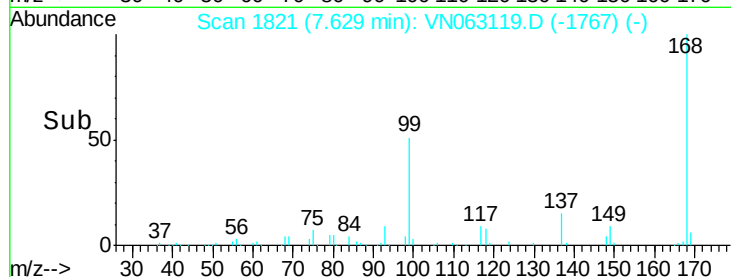
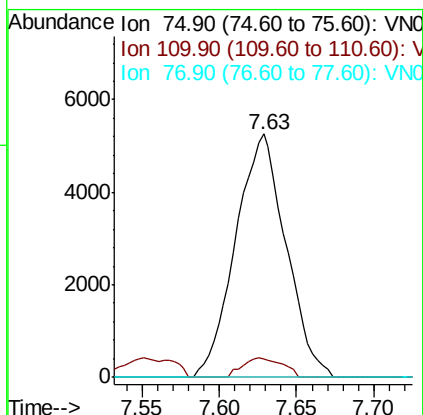
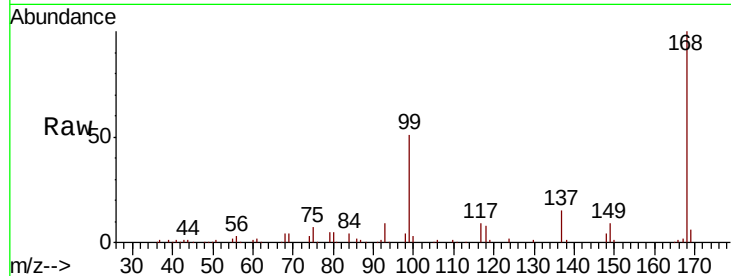




#36
 1,1-Dichloropropene
 Concen: 4.825 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.13 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

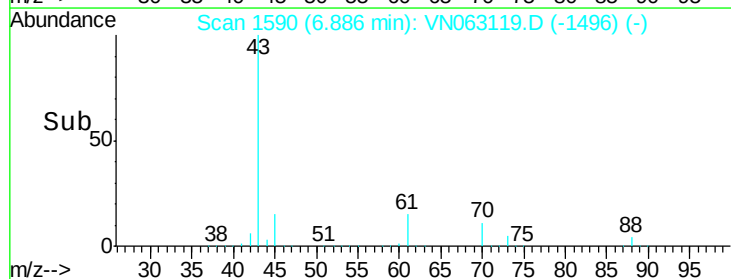
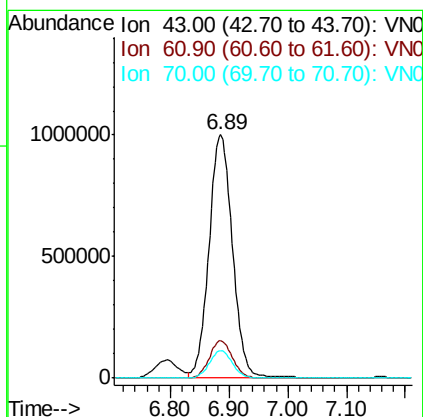
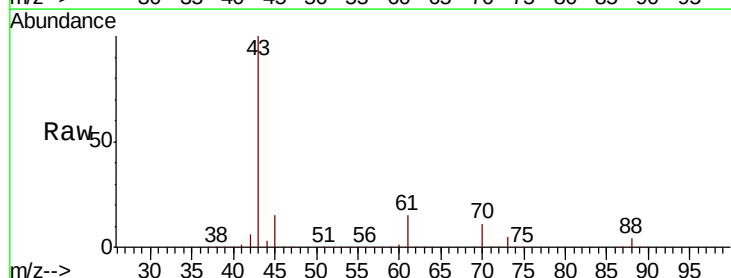
Instrument :
 MSVOA_N
 ClientSampled :
 40617

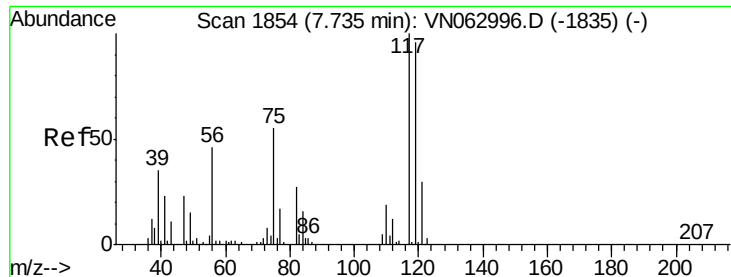
Tot Ion: 75 Resp: 11891
 Ion Ratio Lower Upper
 75 100
 110 6.3 17.5 52.6#
 77 0.0 24.2 36.4#



#37
 Ethyl Acetate
 Concen: 1201.297 ug/l
 RT: 6.89 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

Tgt Ion: 43 Resp: 2774008
 Ion Ratio Lower Upper
 43 100
 61 15.2 11.8 17.8
 70 11.0 8.2 12.2





#38

Carbon Tetrachloride

Concen: 6.077 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

40617

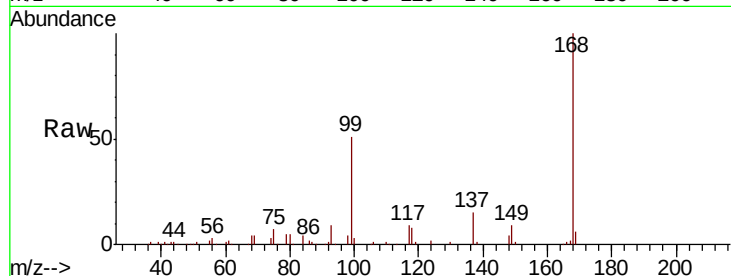
Tot Ion:117 Resp: 15120

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.4#

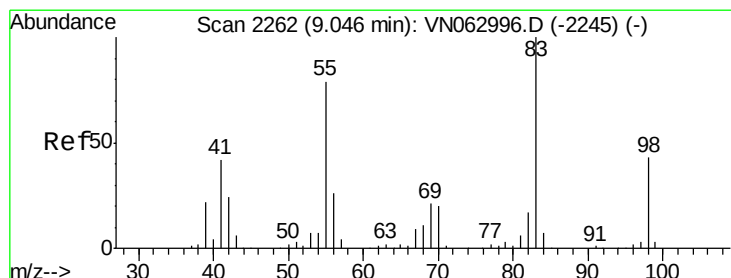
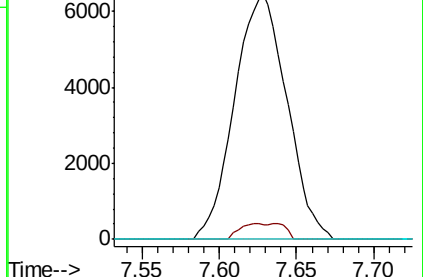
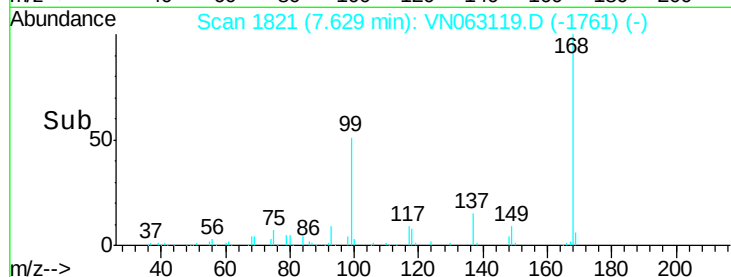
121 0.0 24.2 36.2#



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



#39

Methylcyclohexane

Concen: 1.777 ug/l

RT: 9.05 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

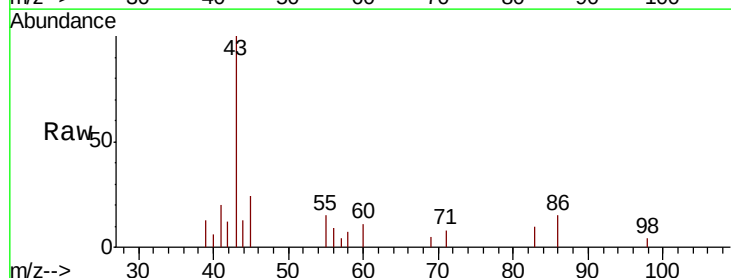
Tgt Ion: 83 Resp: 738

Ion Ratio Lower Upper

83 100

55 68.6 63.3 94.9

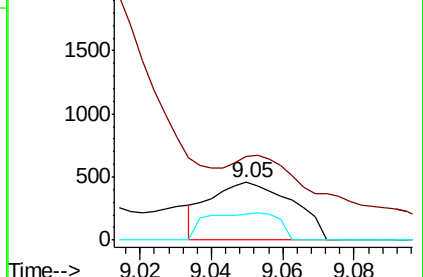
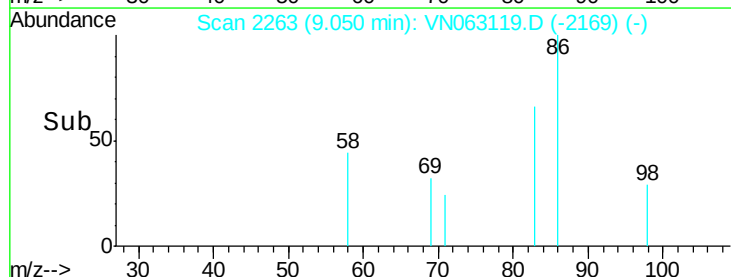
98 44.6 34.2 51.4

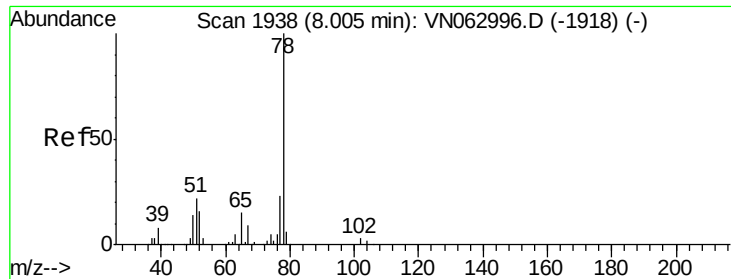


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 799.148 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

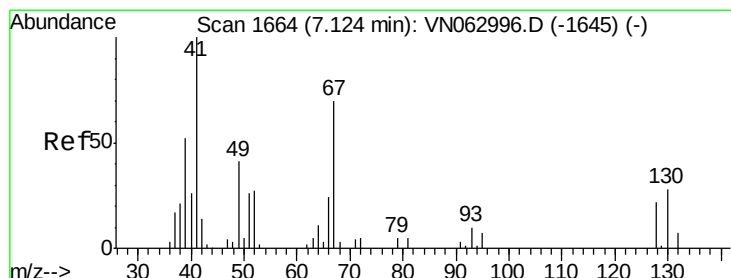
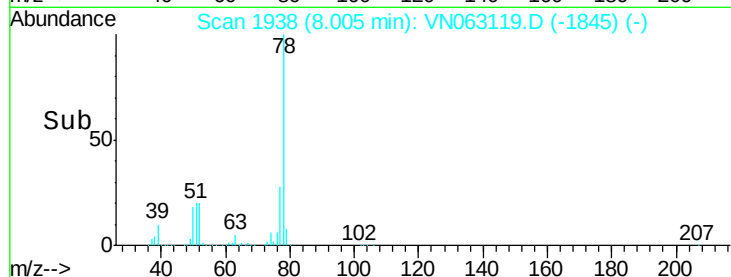
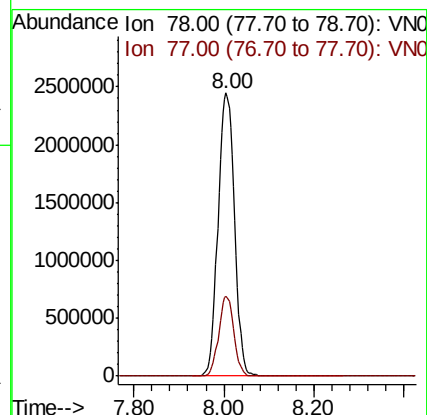
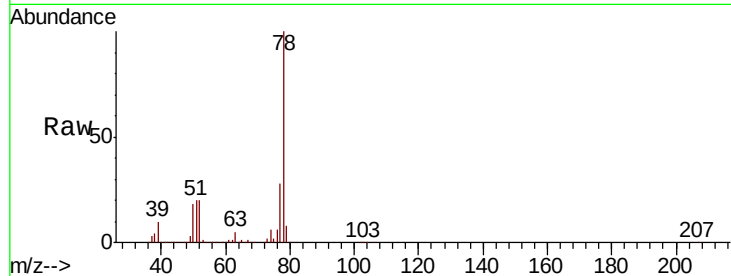
40617

Tot Ion: 78 Resp: 6246335

Ion Ratio Lower Upper

78 100

77 28.4 18.8 28.2#



#41

Methacrylonitrile

Concen: 9.802 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.04 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Tgt Ion: 41 Resp: 10784

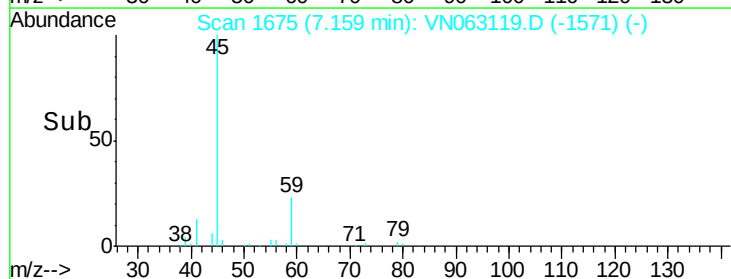
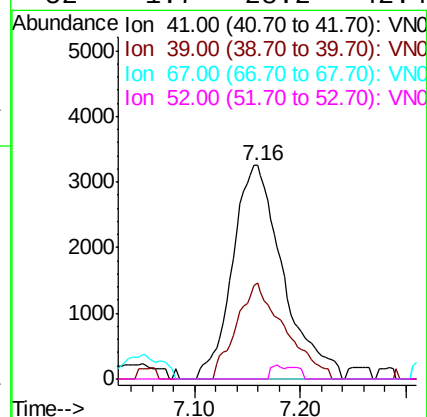
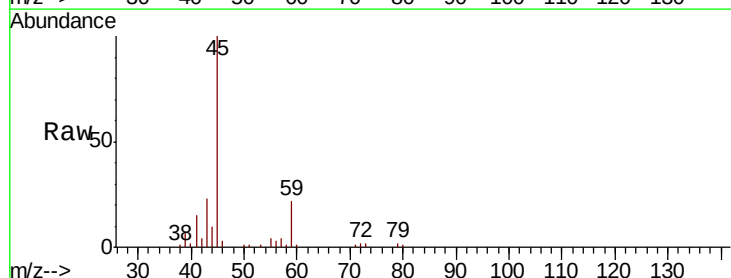
Ion Ratio Lower Upper

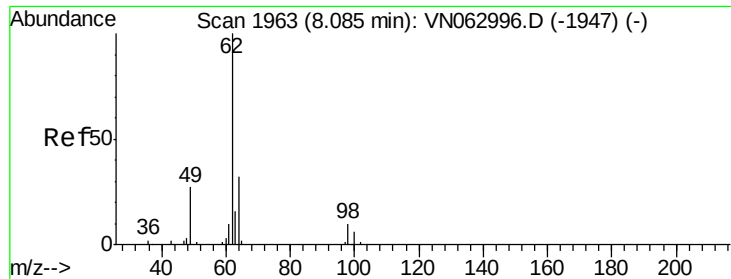
41 100

39 43.1 41.6 62.4

67 0.0 71.8 107.8#

52 1.7 28.2 42.4#

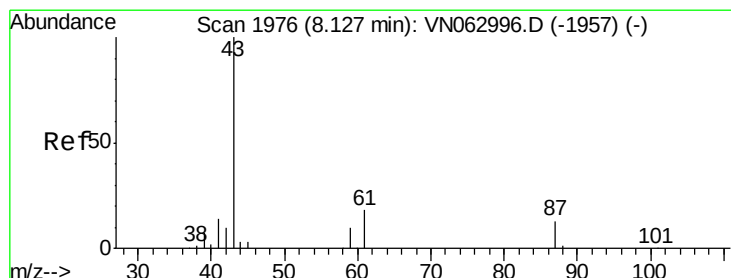
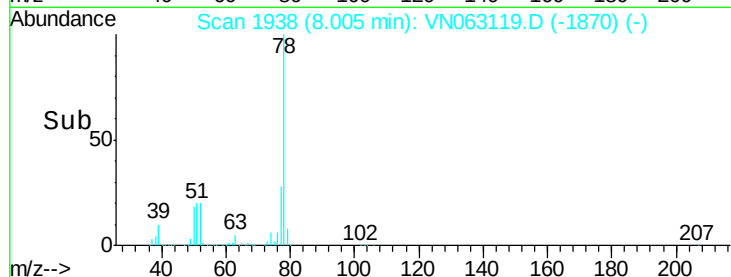
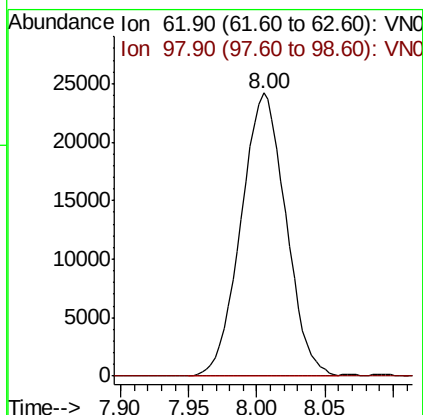
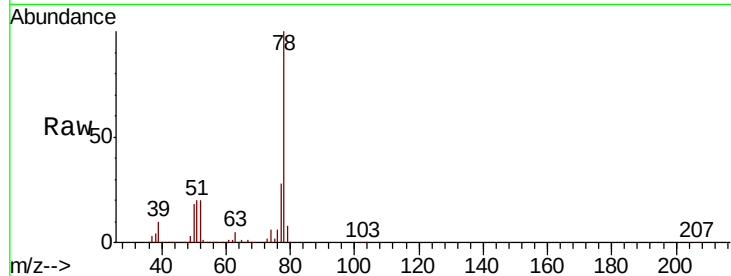




#42
 1,2-Dichloroethane
 Concen: 21.020 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.08 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

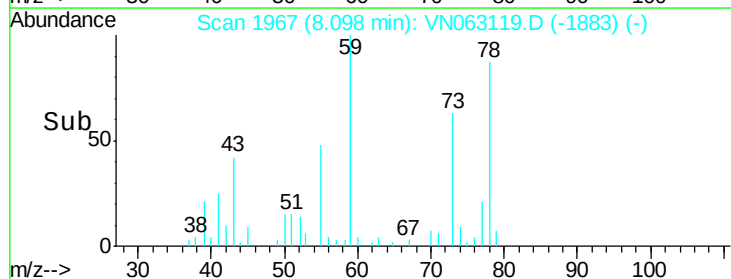
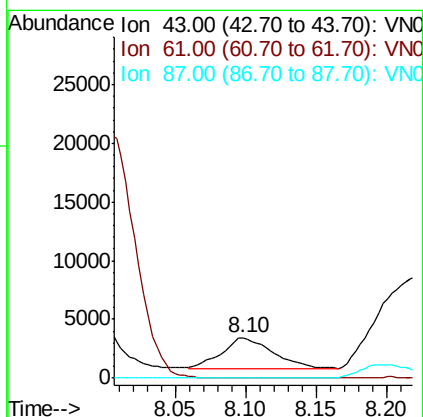
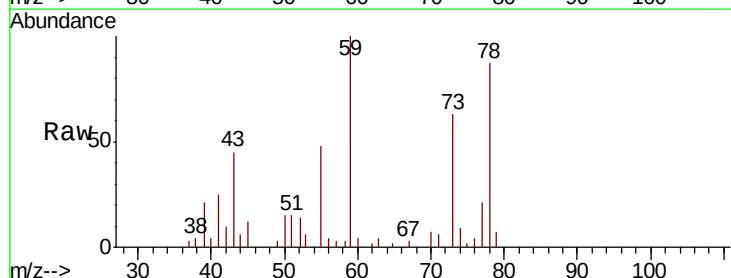
Instrument :
 MSVOA_N
 ClientSampleId :
 40617

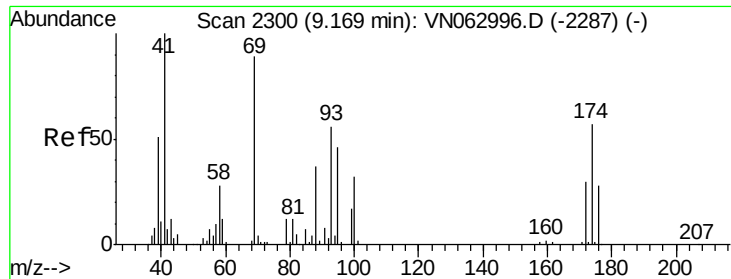
Tot Ion: 62 Resp: 55168
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 18.4



#43
 Isopropyl Acetate
 Concen: 1.707 ug/l
 RT: 8.10 min Scan# 1967
 Delta R.T. -0.03 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

Tgt Ion: 43 Resp: 6529
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.6 33.8#
 87 0.0 10.5 15.7#

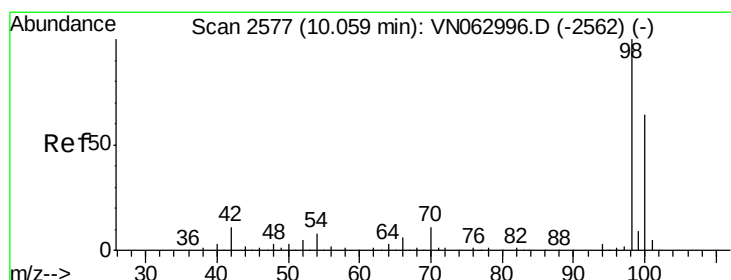
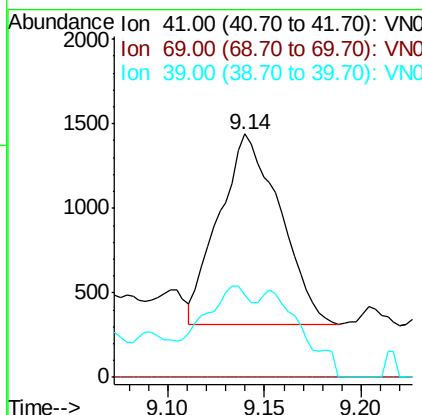
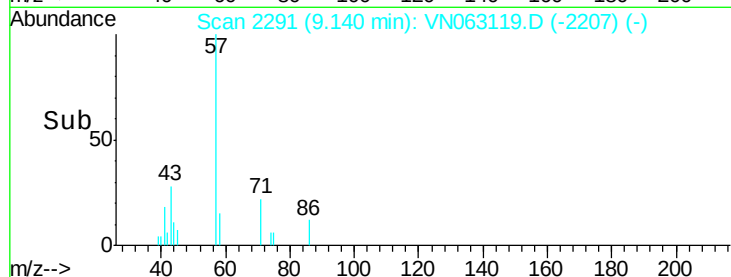
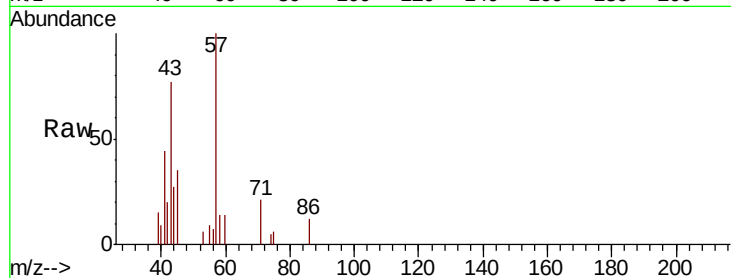




#48
Methvl methacrylate
Concen: 1.365 ug/l
RT: 9.14 min Scan# 2291
Delta R.T. -0.03 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

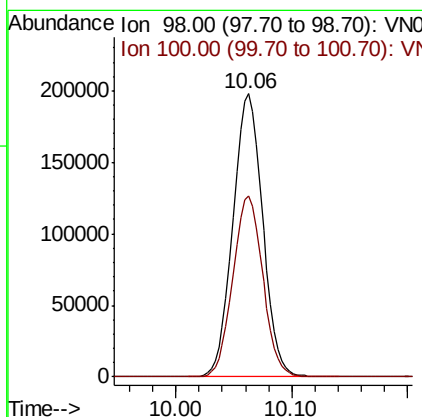
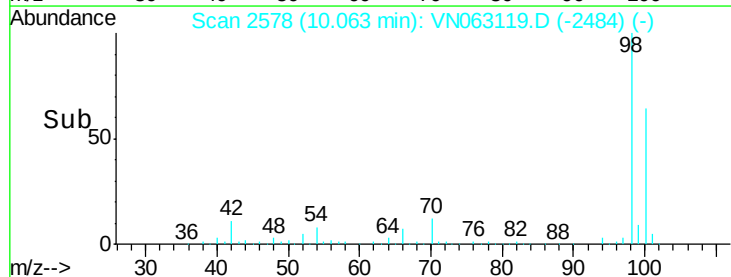
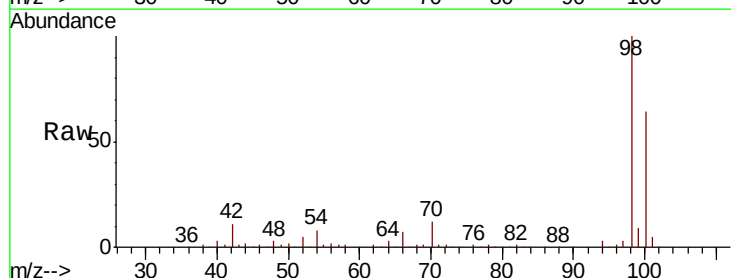
Instrument :
MSVOA_N
ClientSampleId :
40617

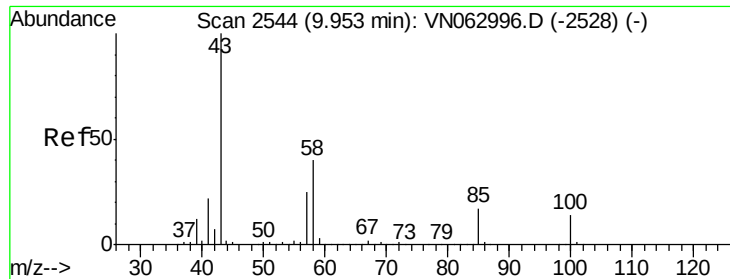
Tot Ion: 41 Resp: 2470
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.4#
39 0.0 42.5 63.7#



#50
Toluene-d8
Concen: 50.260 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

Tgt Ion: 98 Resp: 351776
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

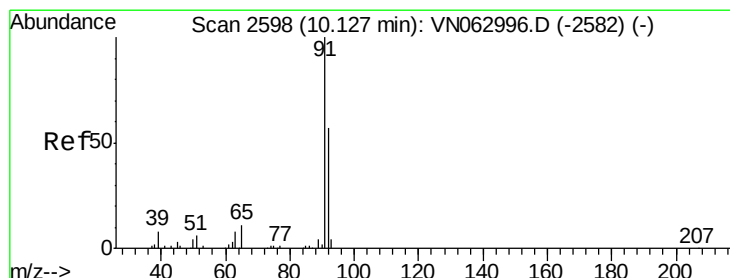
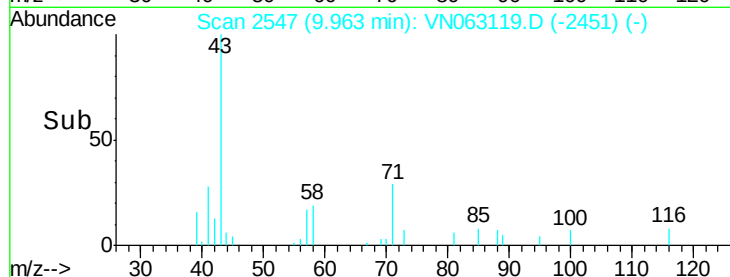
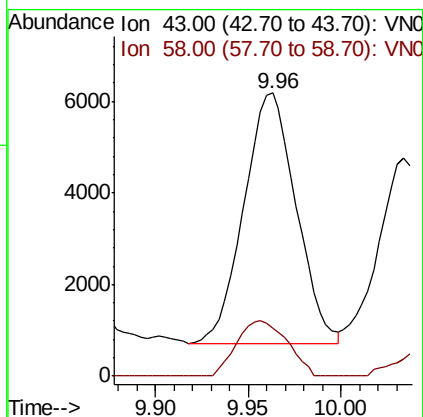
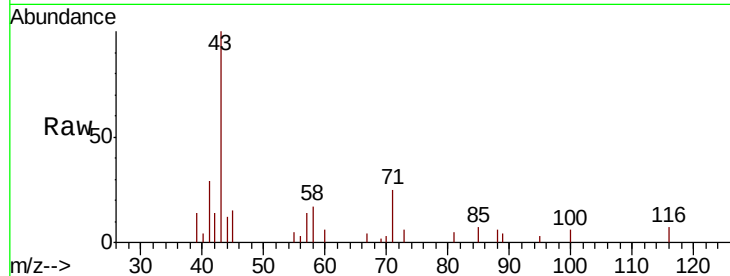




#51
 4-Methyl-2-Pentanone
 Concen: 4.425 ug/l
 RT: 9.96 min Scan# 2547
 Delta R.T. 0.01 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

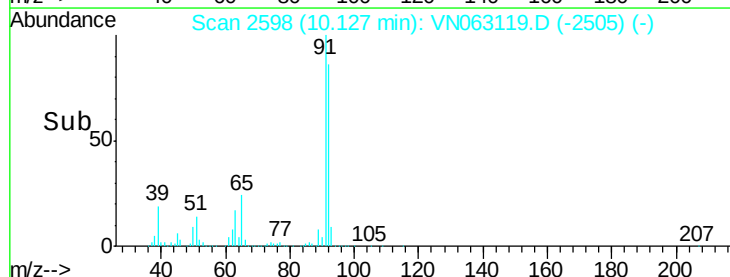
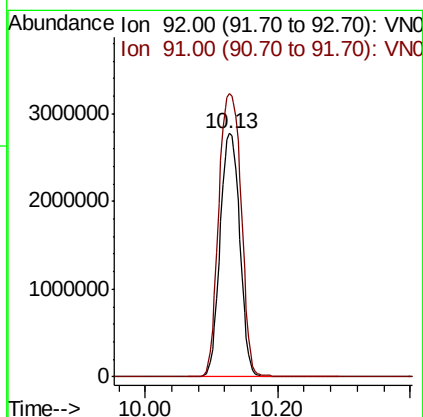
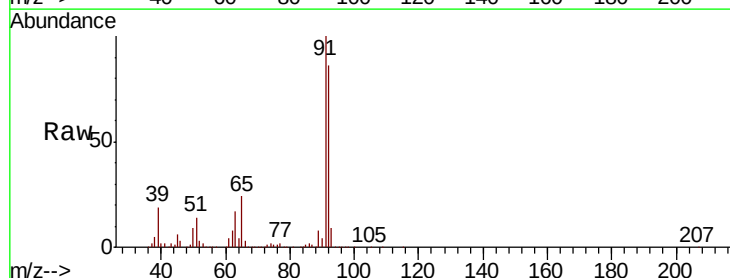
Instrument :
 MSVOA_N
 ClientSampled :
 40617

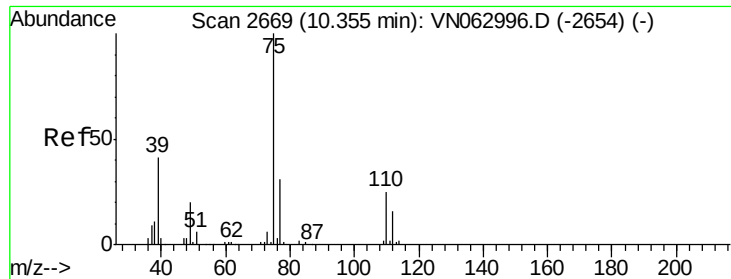
Tot Ion: 43 Resp: 10699
 Ion Ratio Lower Upper
 43 100
 58 21.4 32.2 48.2#



#52
 Toluene
 Concen: 1214.558 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

Tgt Ion: 92 Resp: 5726719
 Ion Ratio Lower Upper
 92 100
 91 132.8 139.2 208.8#





#53

t-1,3-Dichloropropene

Concen: 26.983 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.23 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

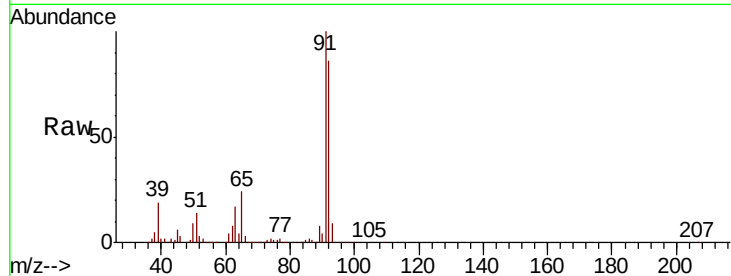
40617

Tot Ion: 75 Resp: 79770

Ion Ratio Lower Upper

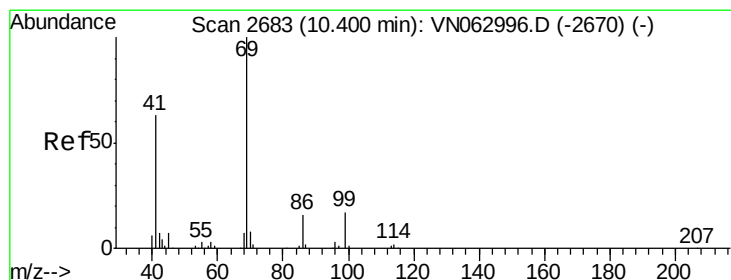
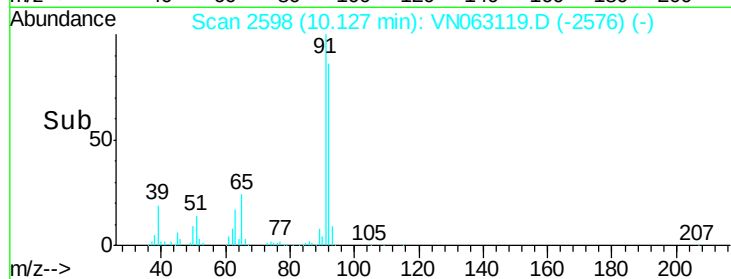
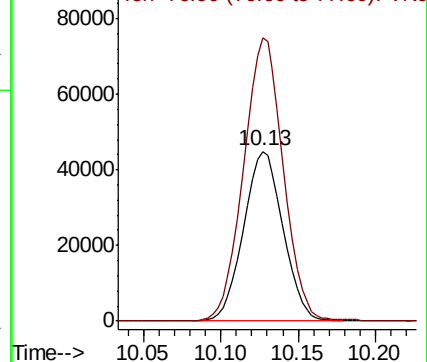
75 100

77 166.1 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#56

Ethyl methacrylate

Concen: 1.758 ug/l

RT: 10.40 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

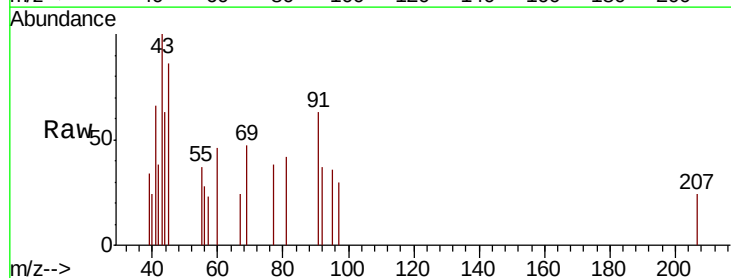
Tgt Ion: 69 Resp: 57

Ion Ratio Lower Upper

69 100

41 0.0 50.2 75.2#

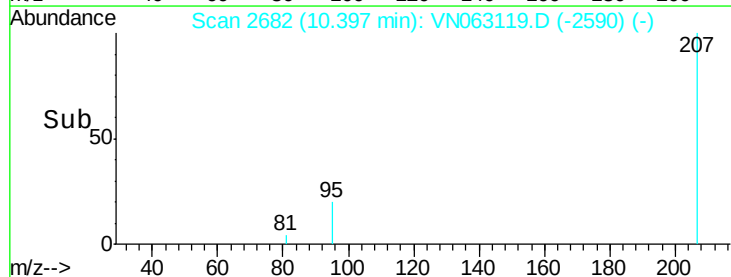
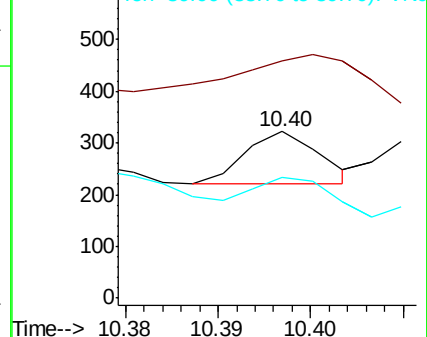
39 0.0 24.2 36.4#

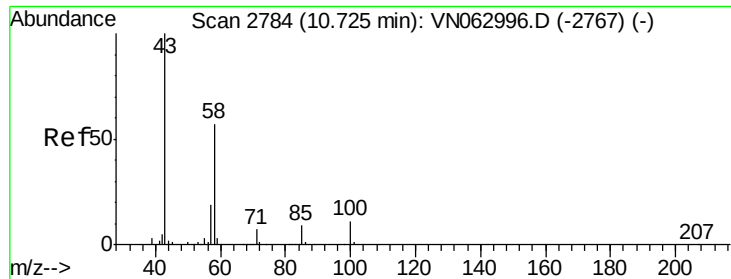


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

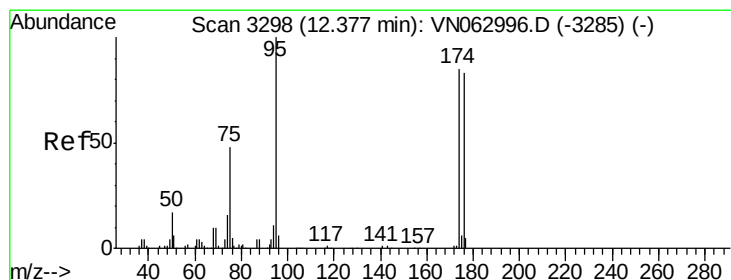
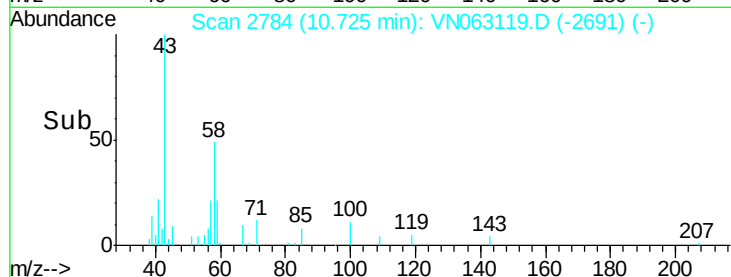
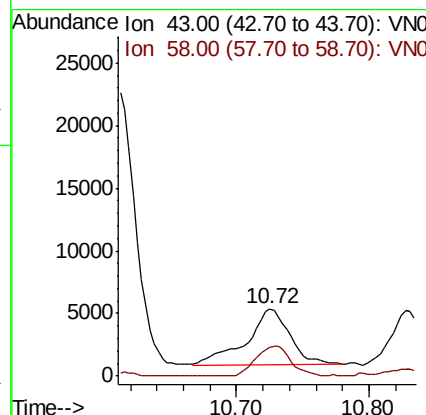
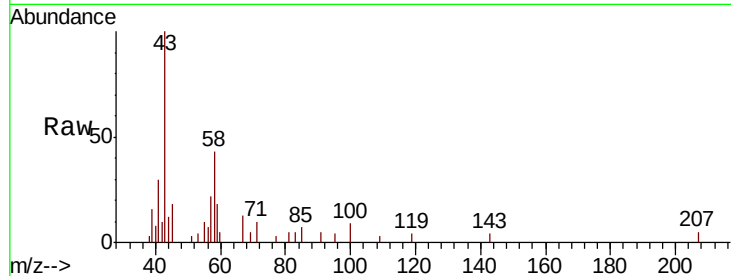




#59
2-Hexanone
Concen: 5.982 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

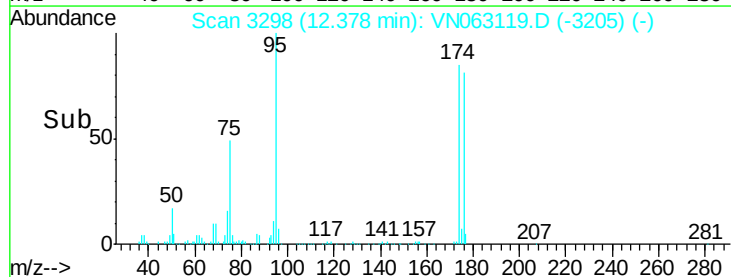
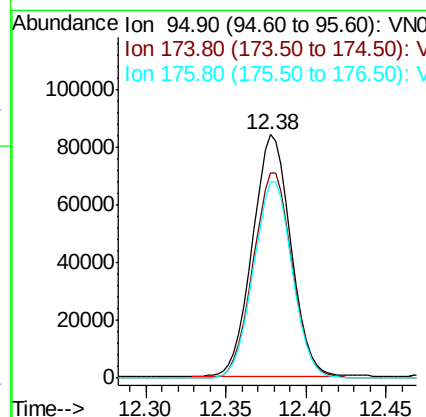
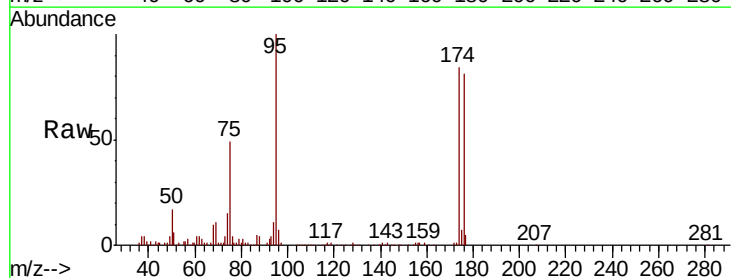
Instrument :
MSVOA_N
ClientSampled :
40617

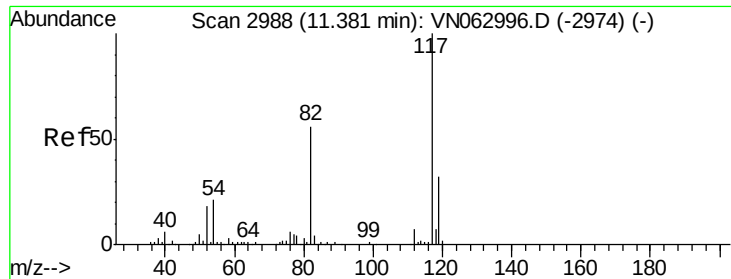
Tot Ion: 43 Resp: 10090
Ion Ratio Lower Upper
43 100
58 43.7 28.1 84.3



#62
4-Bromofluorobenzene
Concen: 55.558 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

Tgt Ion: 95 Resp: 137220
Ion Ratio Lower Upper
95 100
174 87.0 0.0 170.8
176 82.9 0.0 164.8

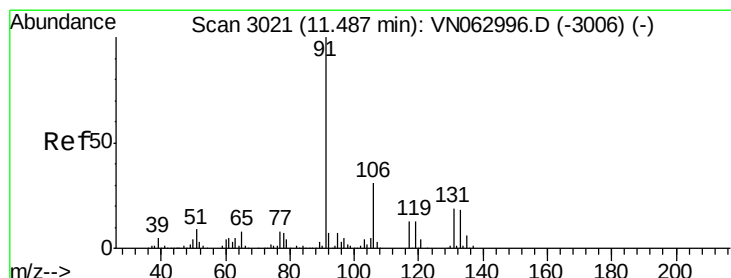
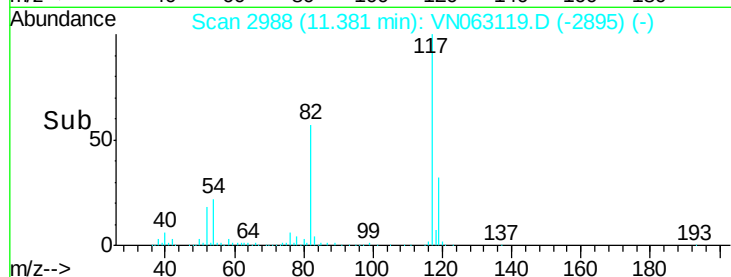
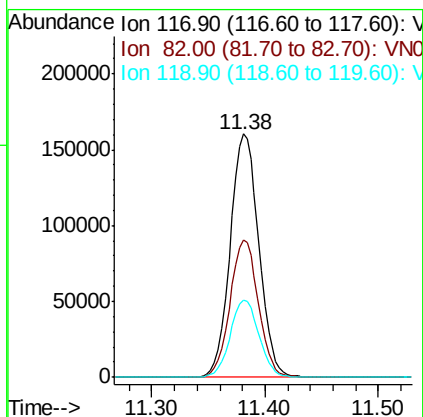
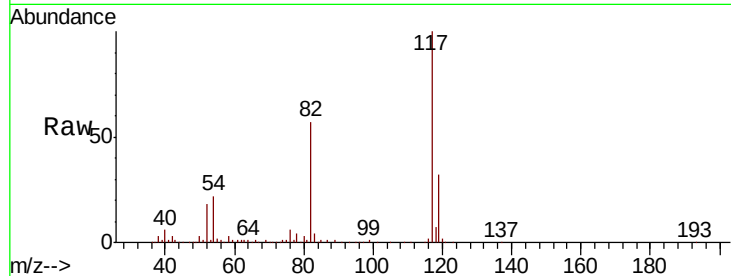




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

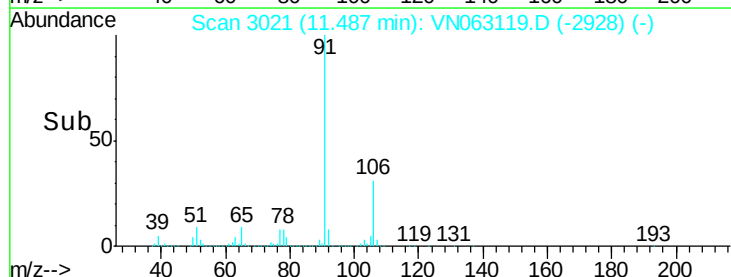
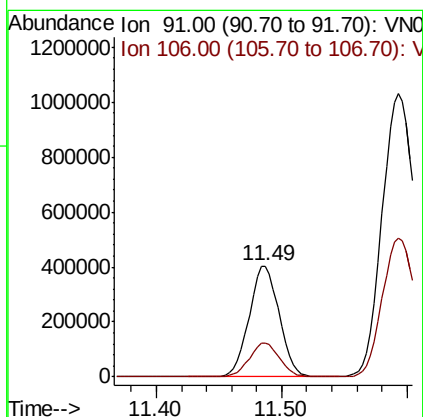
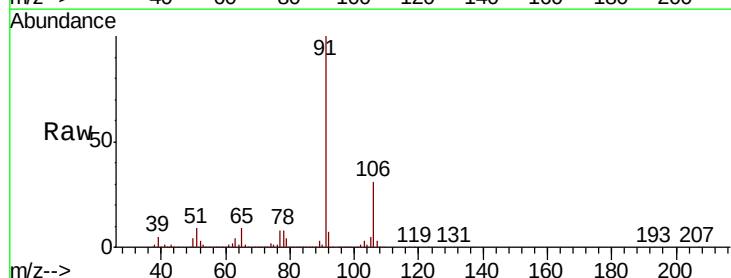
Instrument :
MSVOA_N
ClientSampled :
40617

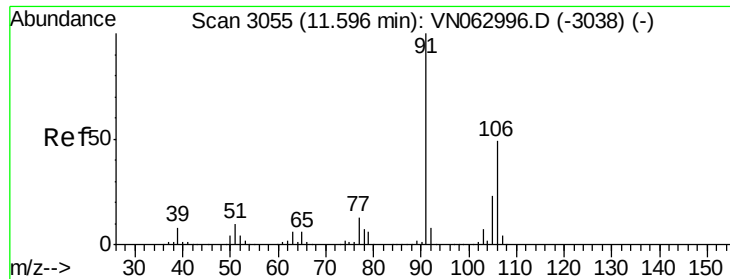
Tot Ion:117 Resp: 282376
Ion Ratio Lower Upper
117 100
82 56.6 44.5 66.7
119 31.9 25.5 38.3



#67
Ethyl Benzene
Concen: 70.371 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

Tgt Ion: 91 Resp: 674340
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0

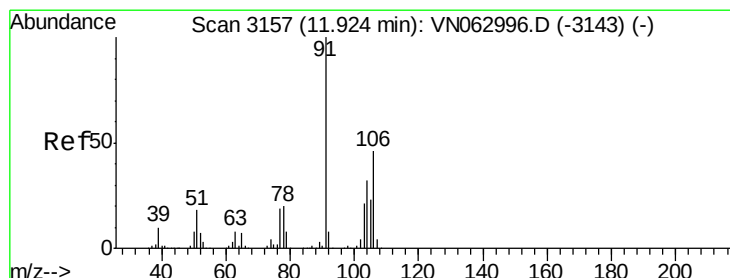
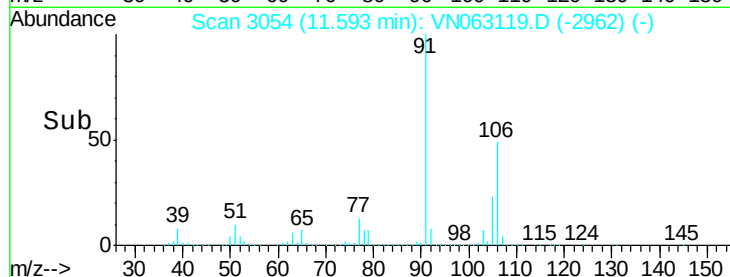
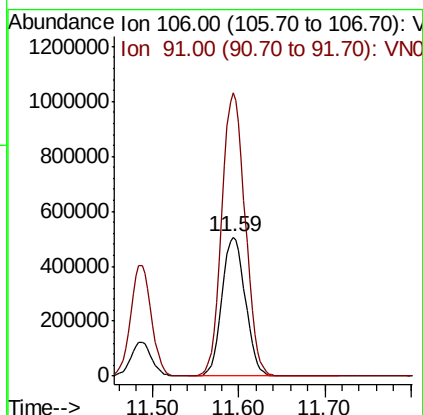
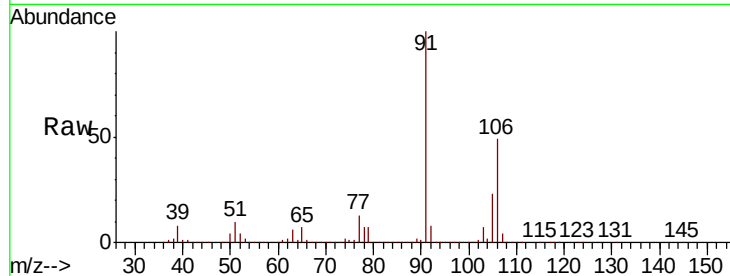




#68
m/p-Xylenes
Concen: 268.498 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

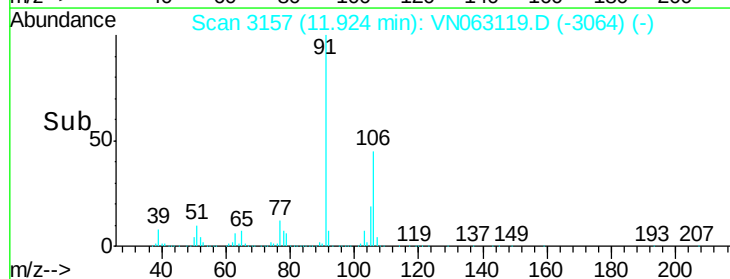
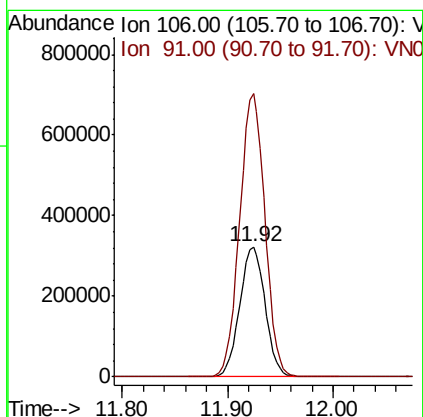
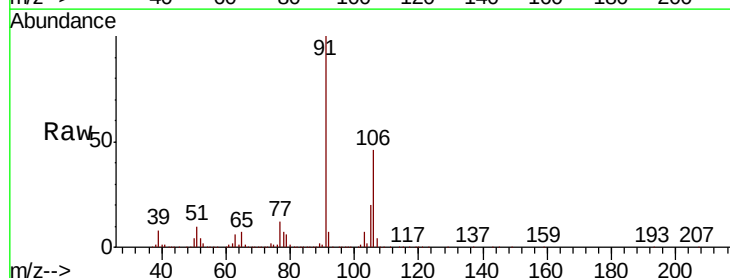
Instrument :
MSVOA_N
ClientSampleId :
40617

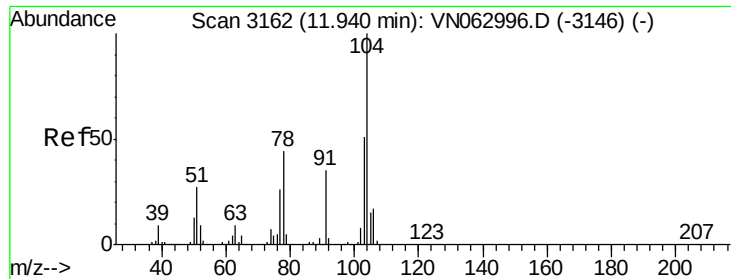
Tot Ion:106 Resp: 956268
Ion Ratio Lower Upper
106 100
91 203.9 163.0 244.4



#69
o-Xylene
Concen: 157.465 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

Tgt Ion:106 Resp: 538540
Ion Ratio Lower Upper
106 100
91 217.1 107.3 321.9





#70

Stvrene

Concen: 7.090 ug/l

RT: 11.92 min Scan# 3157

Delta R.T. -0.02 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

40617

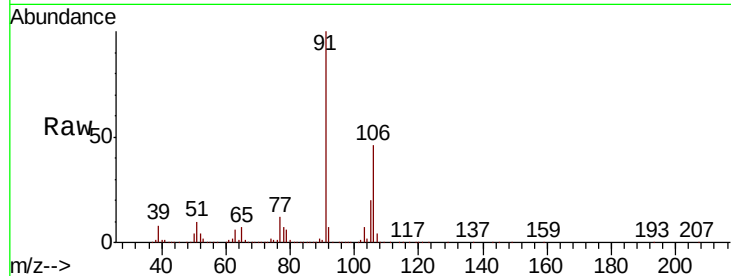
Tot Ion:104 Resp: 36468

Ion Ratio Lower Upper

104 100

78 223.1 39.0 58.6#

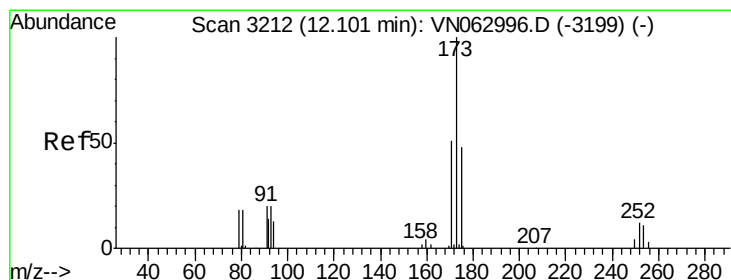
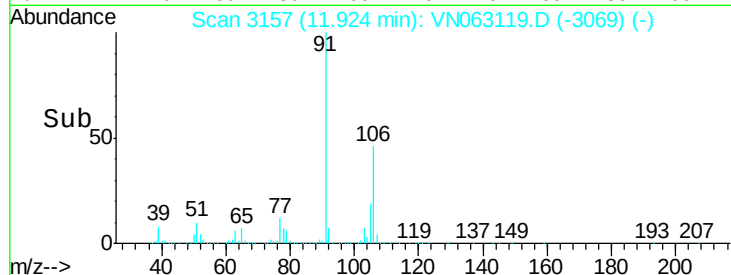
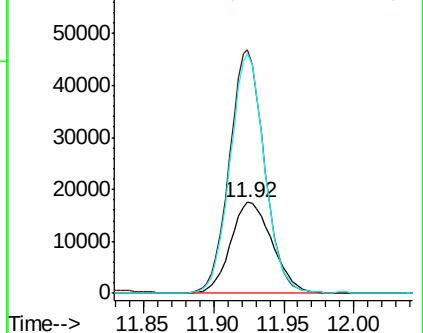
103 217.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.539 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

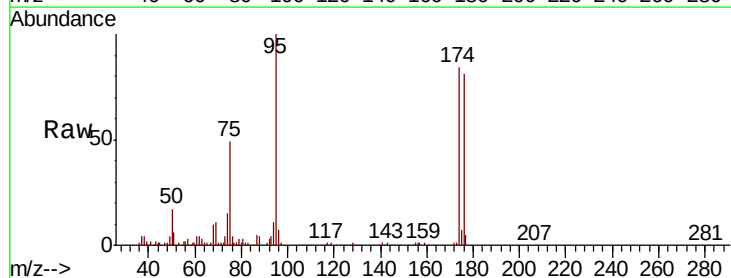
Tgt Ion:173 Resp: 946

Ion Ratio Lower Upper

173 100

175 810.5 24.3 72.8#

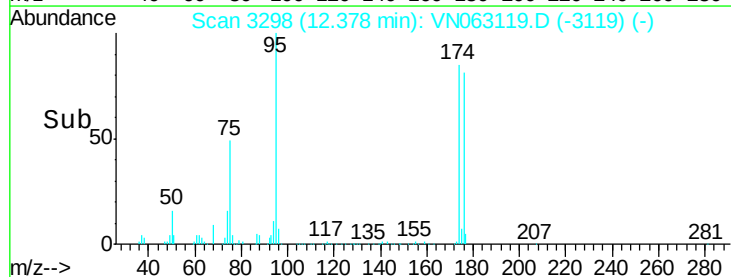
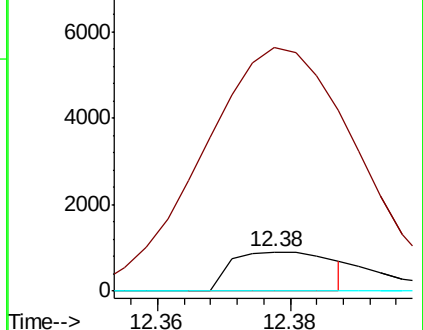
254 0.0 0.0 0.0

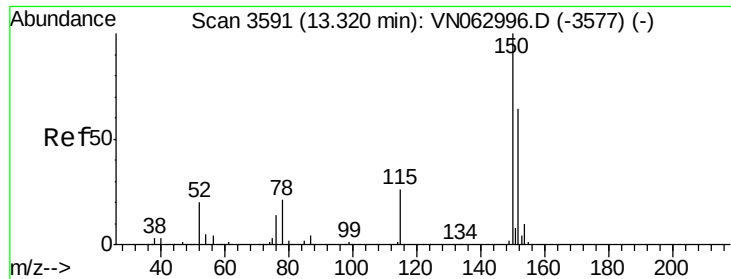


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

40617

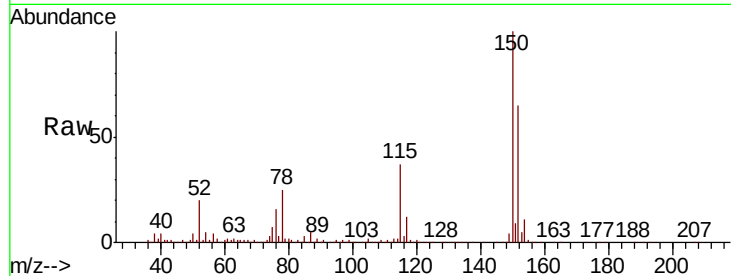
Tot Ion:152 Resp: 137588

Ion Ratio Lower Upper

152 100

115 64.3 28.7 86.3

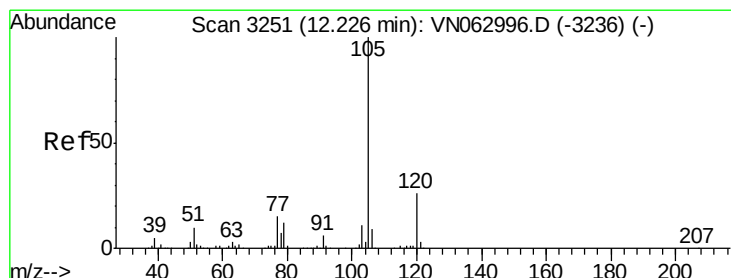
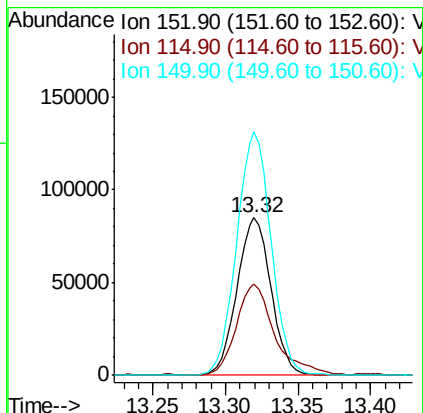
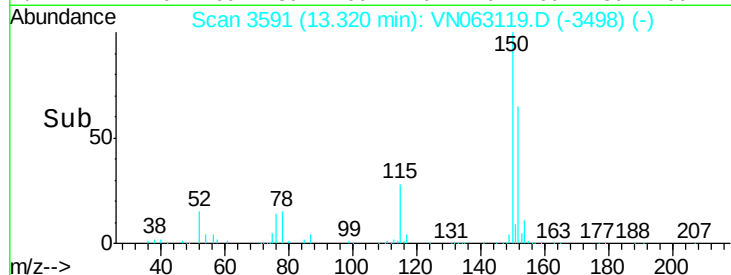
150 157.8 0.0 348.8



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



#73

Isopropylbenzene

Concen: 2.003 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN063119.D

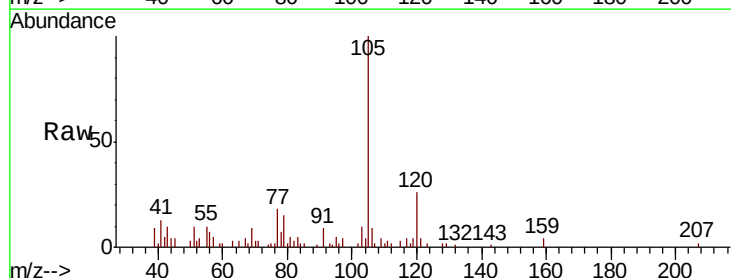
Acq: 25 Aug 2020 18:15

Tgt Ion:105 Resp: 18872

Ion Ratio Lower Upper

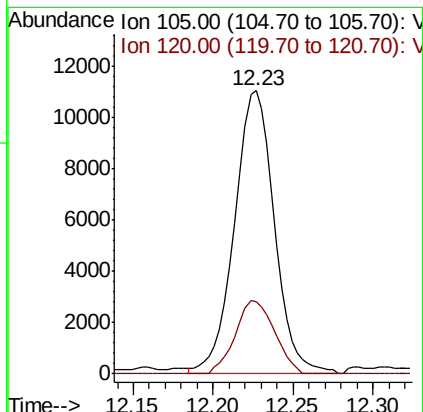
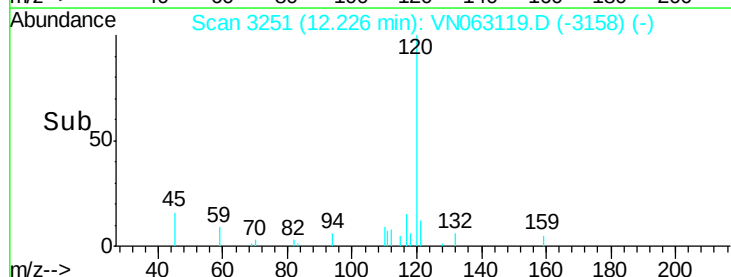
105 100

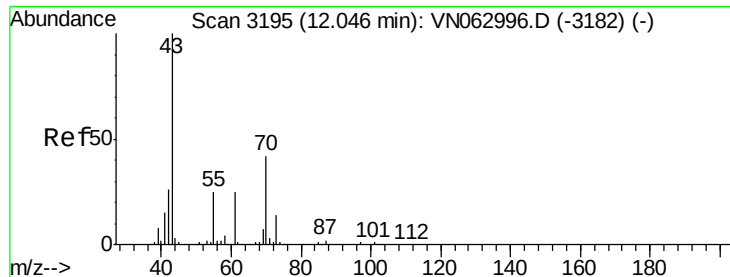
120 25.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 6.167 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

40617

Tot Ion: 43 Resp: 20812

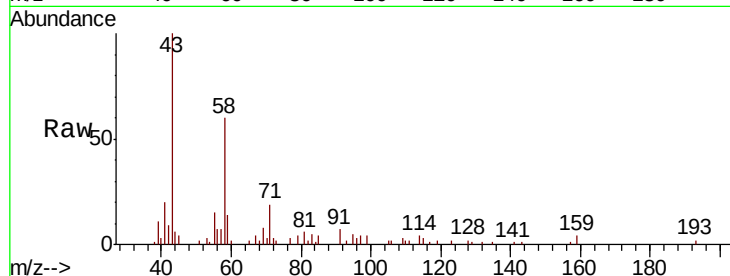
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 20.2 30.2#

61 0.0 19.9 29.9#

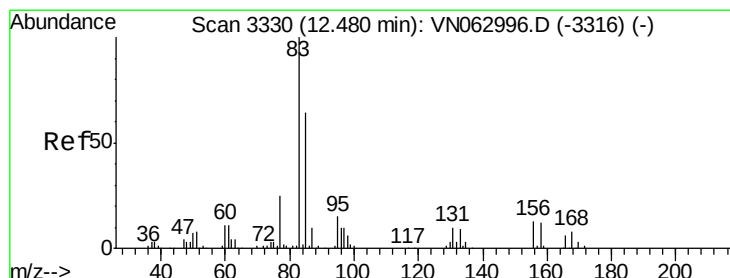
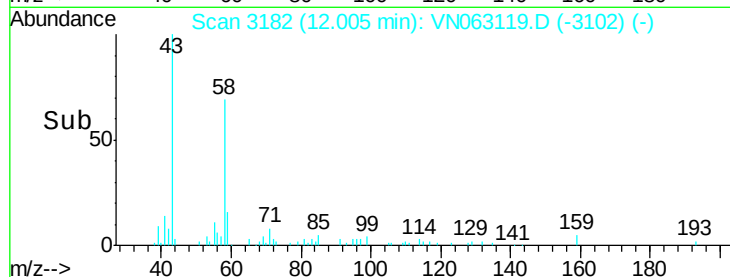
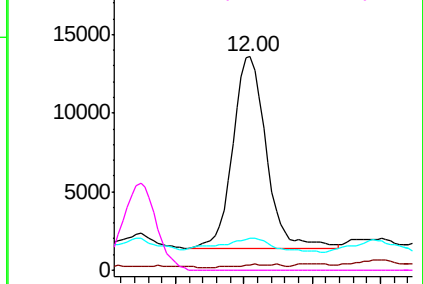


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 12.46 min Scan# 3324

Delta R.T. -0.02 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

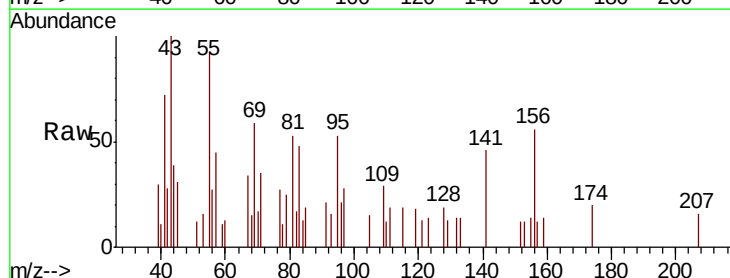
Tgt Ion: 83 Resp: 120

Ion Ratio Lower Upper

83 100

131 25.0 4.9 14.7#

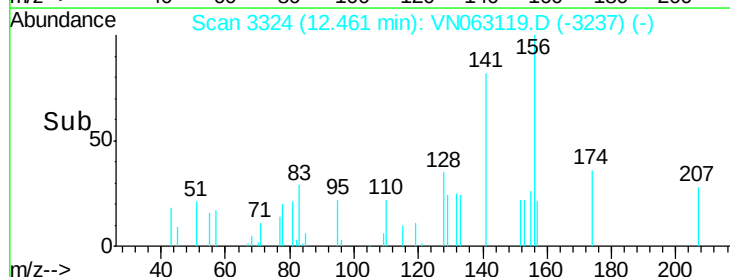
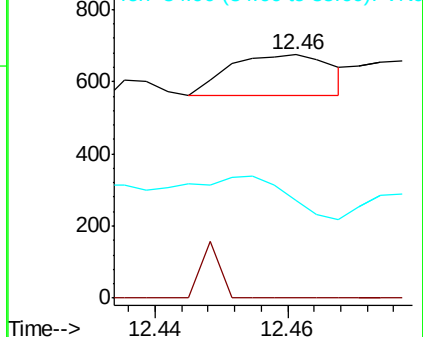
85 0.0 31.9 95.5#

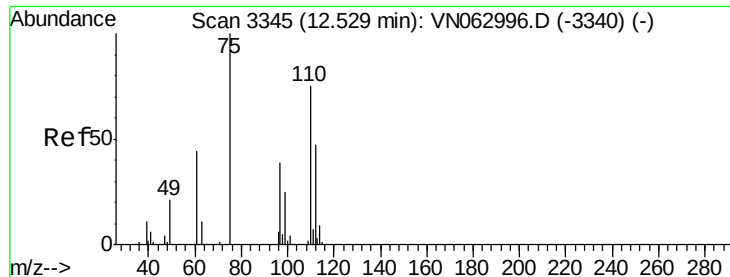


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 25.091 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

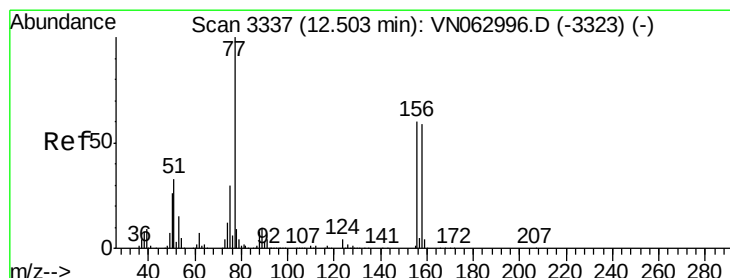
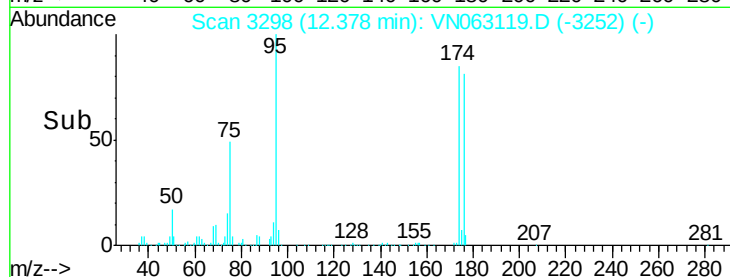
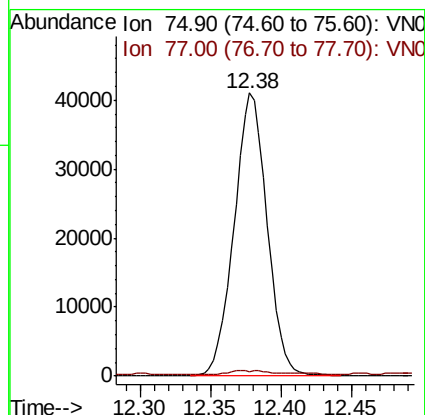
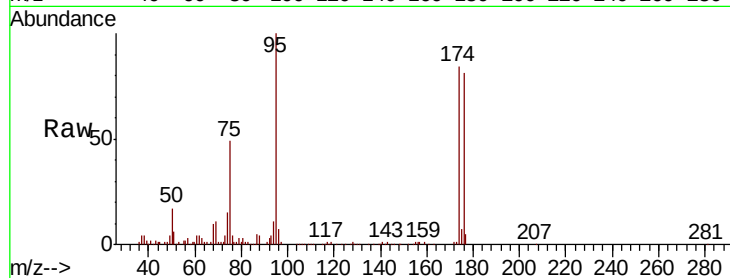
40617

Tot Ion: 75 Resp: 67103

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 0.326 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

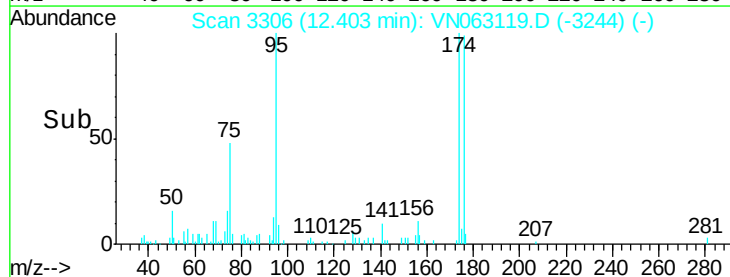
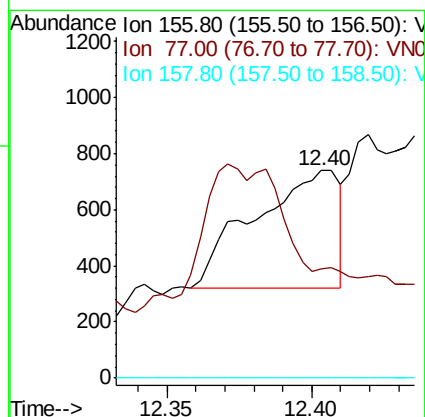
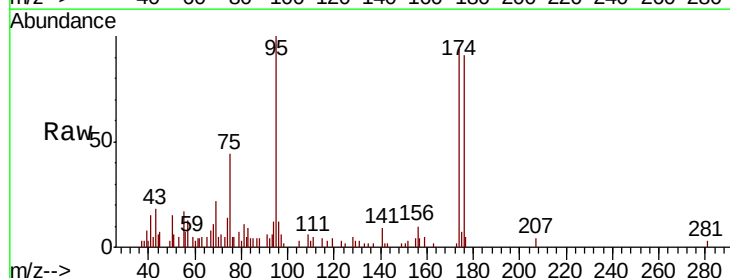
Tgt Ion: 156 Resp: 845

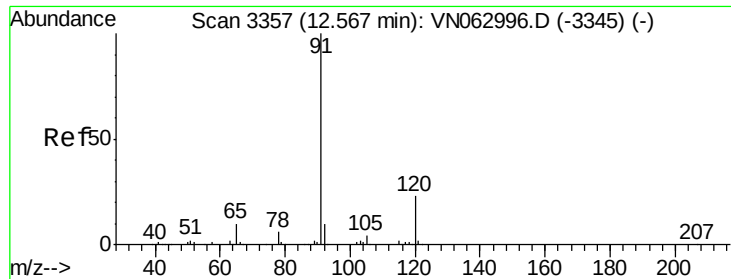
Ion Ratio Lower Upper

156 100

77 0.0 101.0 302.9#

158 0.0 49.4 148.0#





#78

n-propylbenzene

Concen: 4.536 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

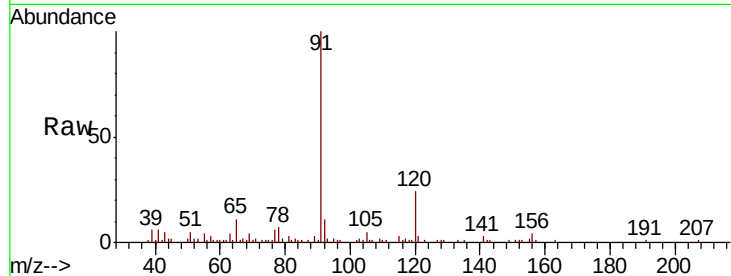
40617

Tot Ion: 91 Resp: 48713

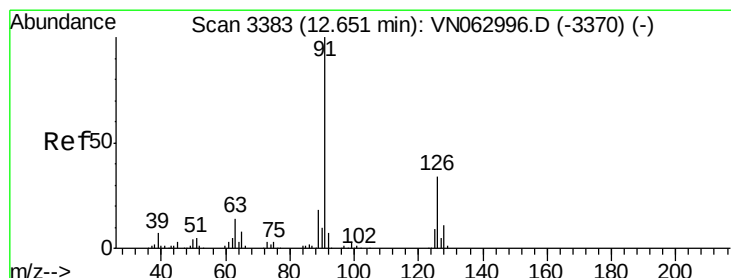
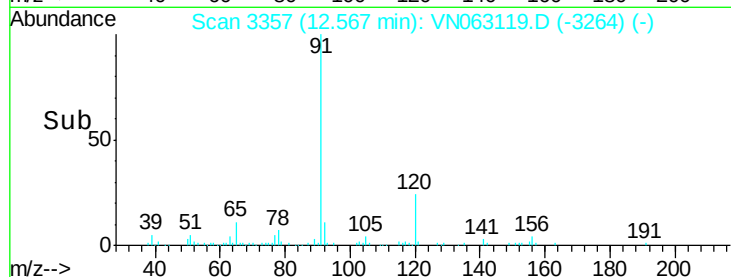
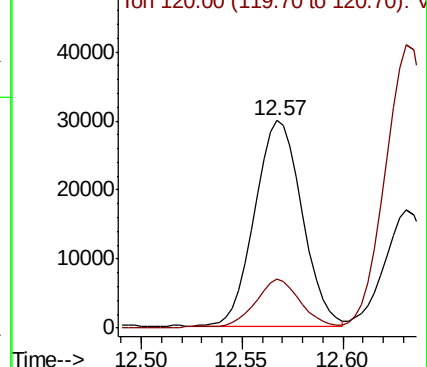
Ion Ratio Lower Upper

91 100

120 23.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN063119.D (-3264) (-)



#79

2-Chlorotoluene

Concen: 3.760 ug/l

RT: 12.63 min Scan# 3377

Delta R.T. -0.02 min

Lab File: VN063119.D

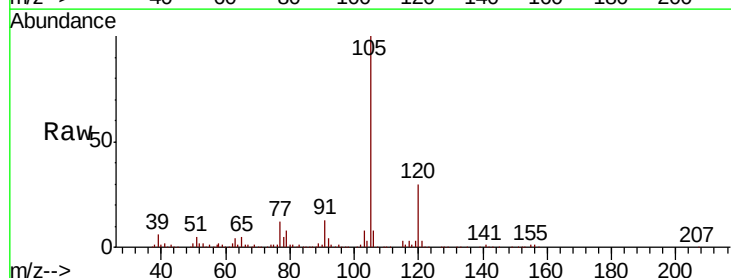
Acq: 25 Aug 2020 18:15

Tgt Ion: 91 Resp: 25396

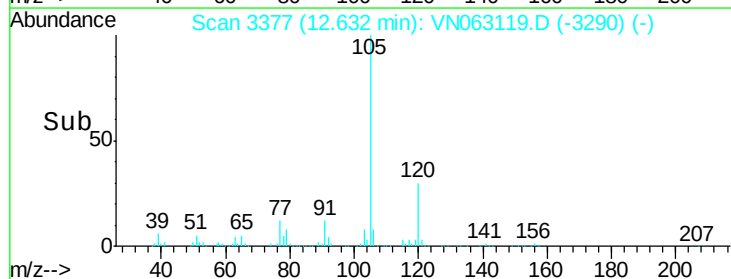
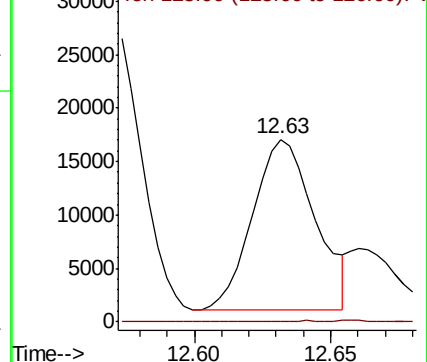
Ion Ratio Lower Upper

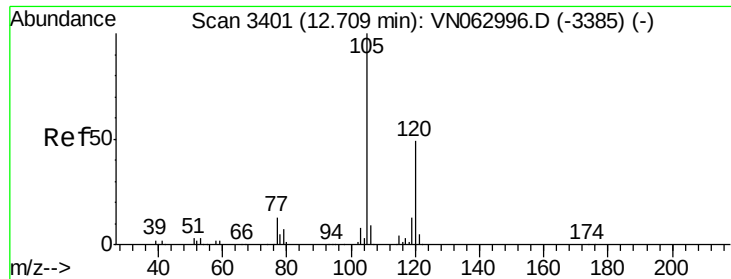
91 100

126 0.1 17.1 51.2#



Abundance Ion 91.00 (90.70 to 91.70): VN063119.D (-3290) (-)

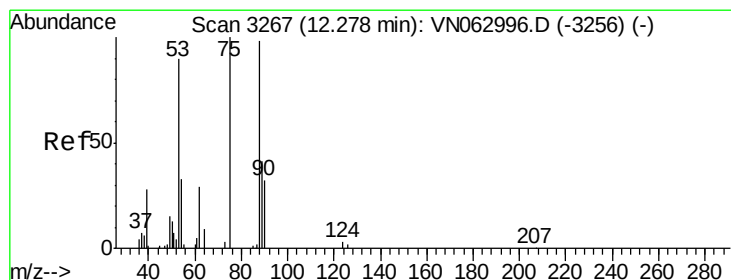
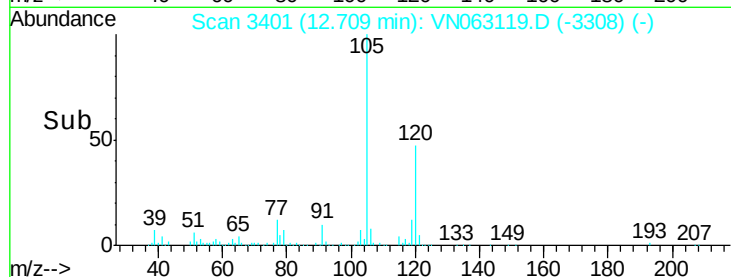
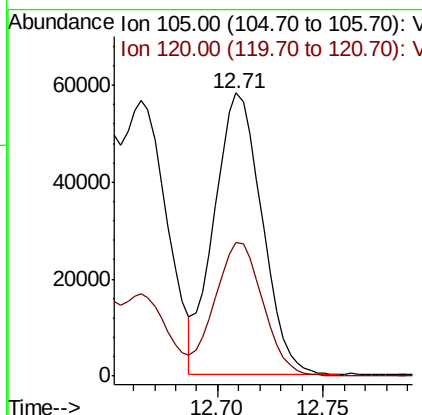
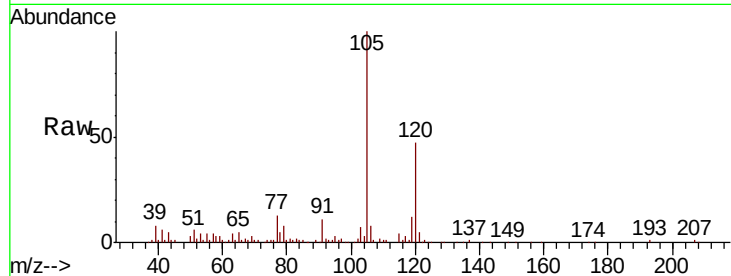




#80
 1,3,5-Trimethylbenzene
 Concen: 11.645 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

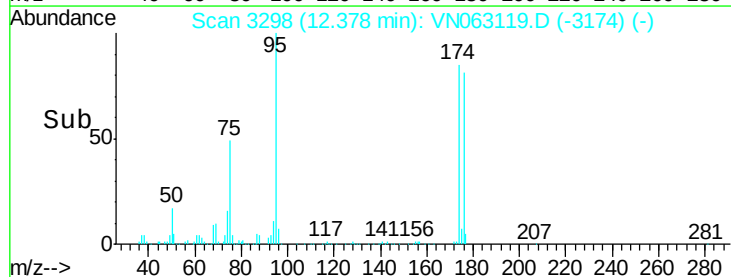
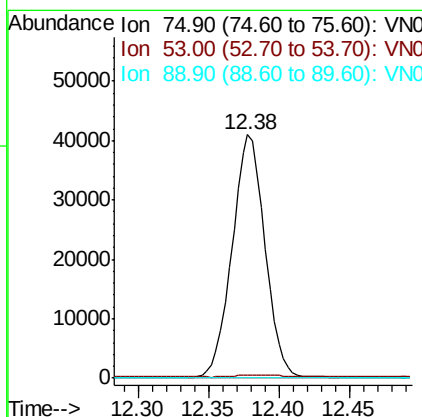
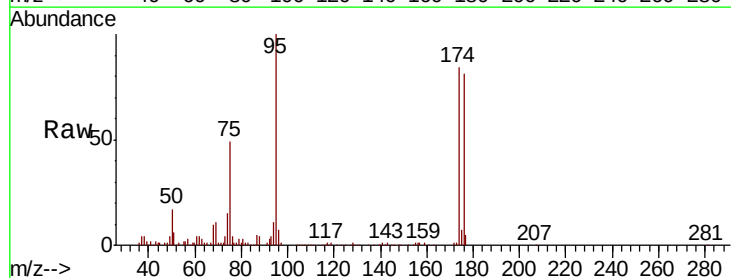
Instrument :
 MSVOA_N
 ClientSampleId :
 40617

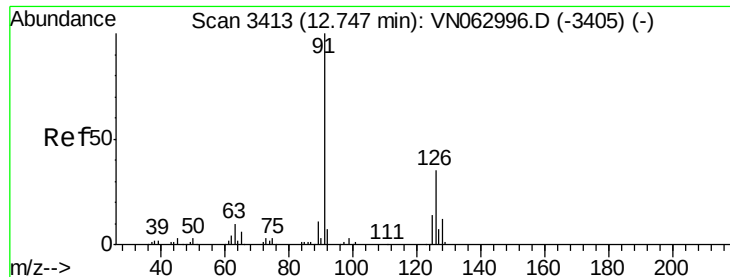
Tot Ion:105 Resp: 90703
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.911 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

Tgt Ion: 75 Resp: 67103
 Ion Ratio Lower Upper
 75 100
 53 0.6 69.2 103.8#
 89 0.0 34.2 51.4#

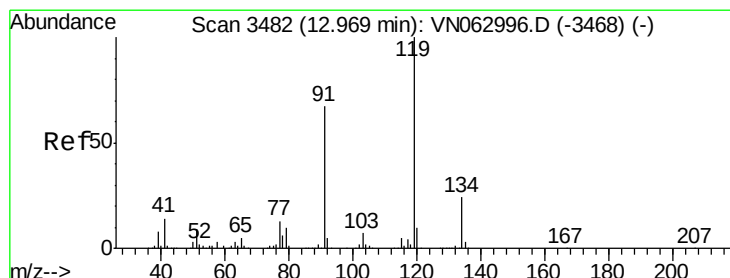
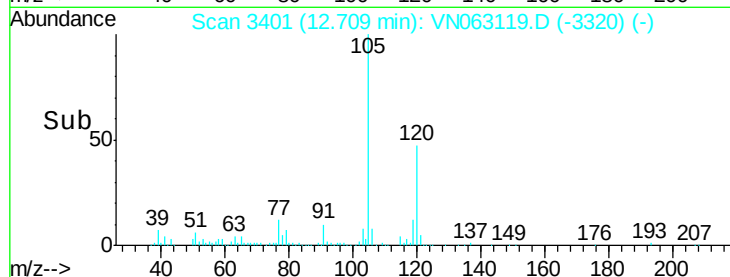
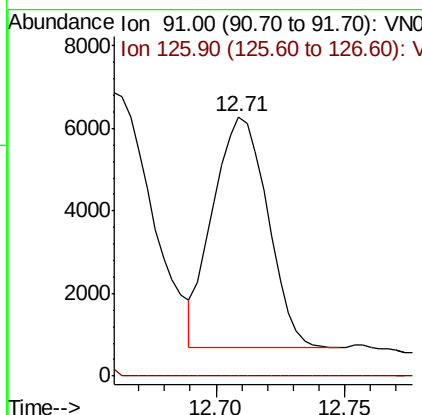
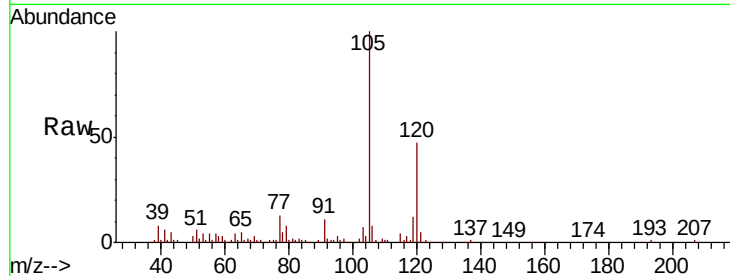




#82
4-Chlorotoluene
Concen: 1.195 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.04 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

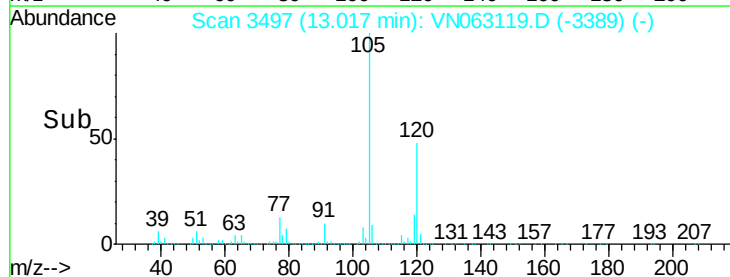
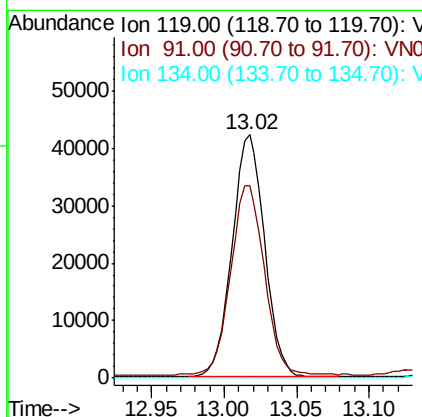
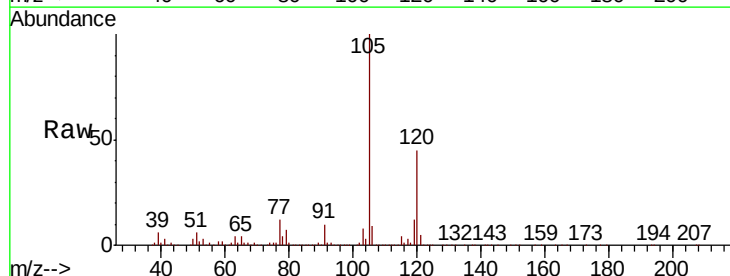
Instrument :
MSVOA_N
ClientSampleId :
40617

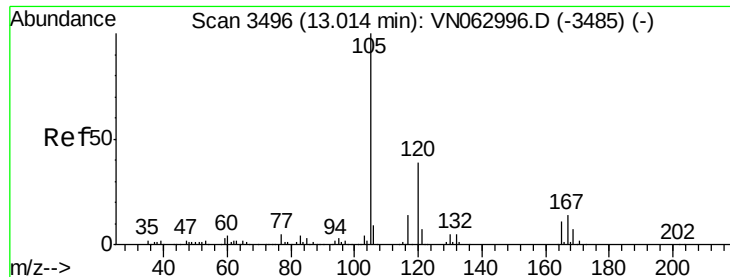
Tot Ion: 91 Resp: 8219
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#



#83
tert-Butylbenzene
Concen: 9.686 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.05 min
Lab File: VN063119.D
Acq: 25 Aug 2020 18:15

Tgt Ion: 119 Resp: 65116
Ion Ratio Lower Upper
119 100
91 83.3 32.5 97.4
134 0.0 13.1 39.3#





#84

1,2,4-Trimethylbenzene

Concen: 69.727 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

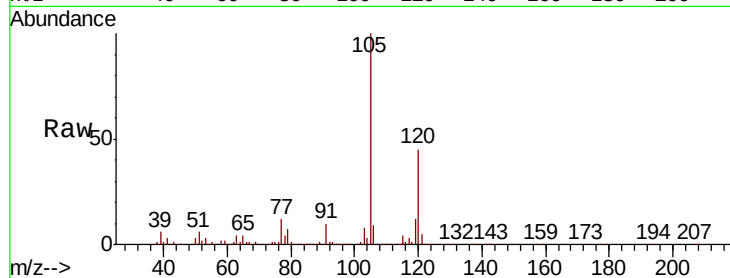
40617

Tot Ion:105 Resp: 529077

Ion Ratio Lower Upper

105 100

120 45.1 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.02

400000

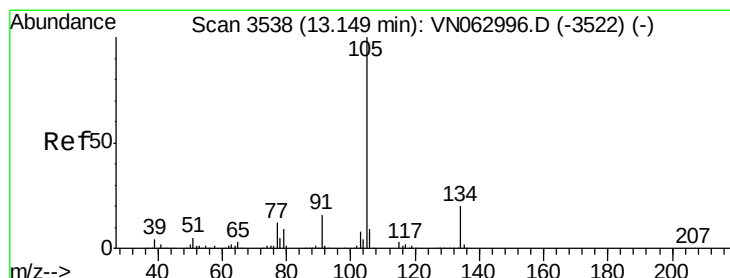
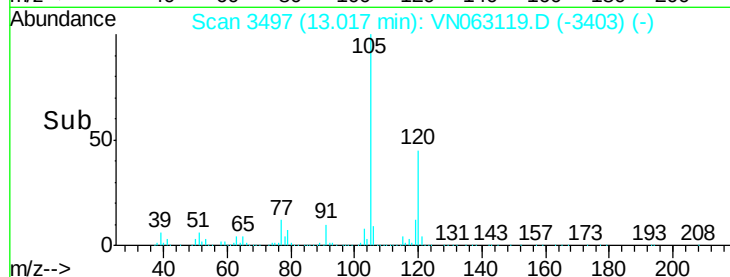
300000

200000

100000

0

Time--> 12.90 13.00 13.10



#85

sec-Butylbenzene

Concen: 58.234 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. -0.13 min

Lab File: VN063119.D

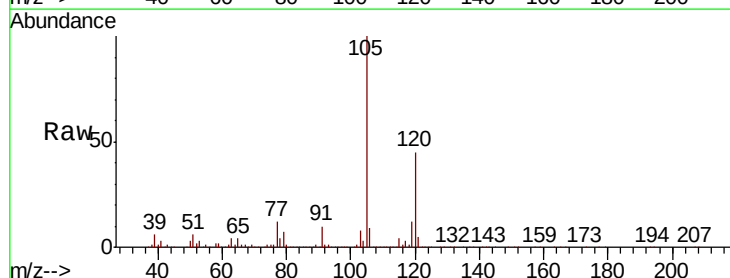
Acq: 25 Aug 2020 18:15

Tgt Ion:105 Resp: 529077

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.02

400000

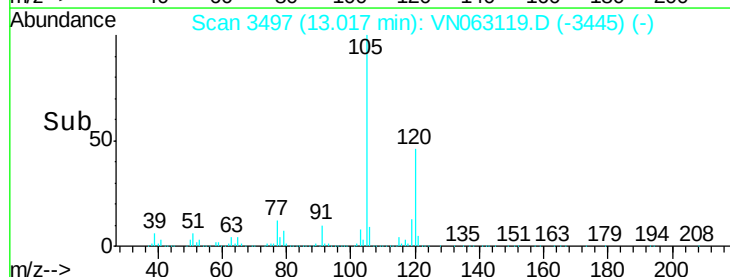
300000

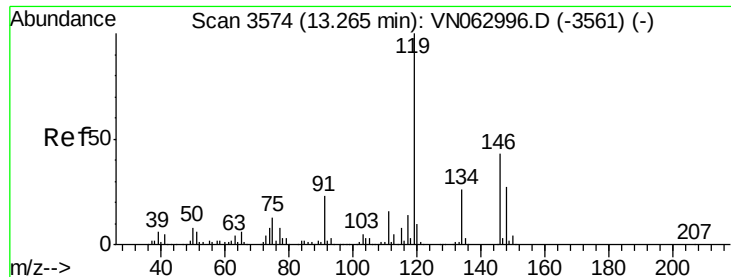
200000

100000

0

Time--> 12.90 13.00 13.10

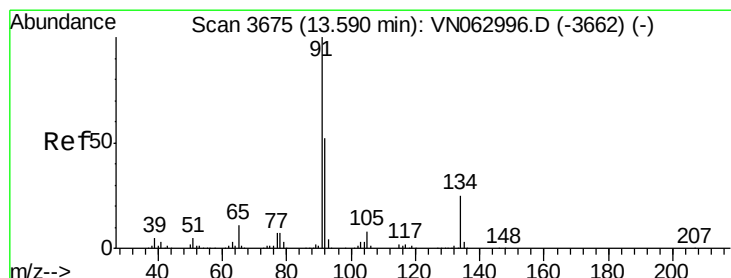
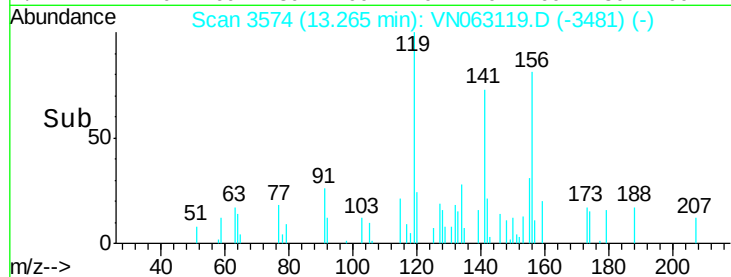
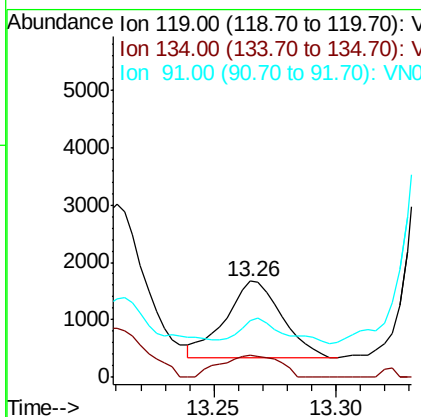
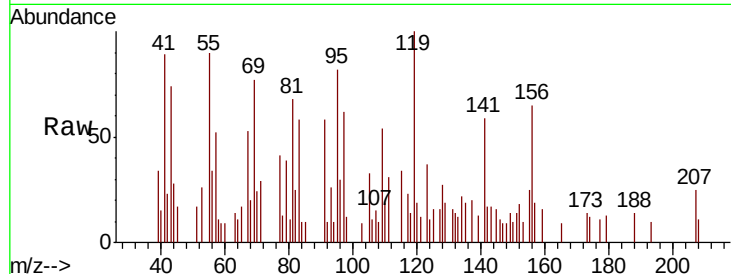




#86
 p-Isopropyltoluene
 Concen: 0.269 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

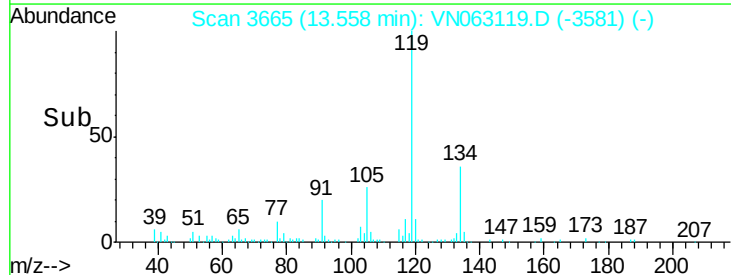
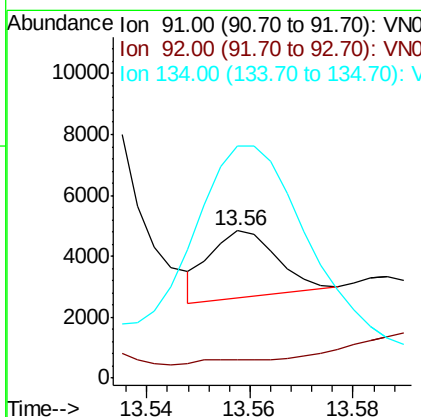
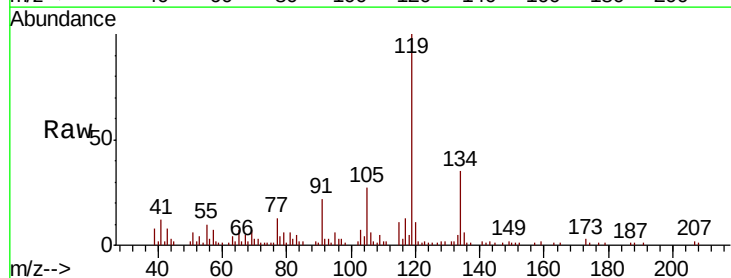
Instrument :
 MSVOA_N
 ClientSampled :
 40617

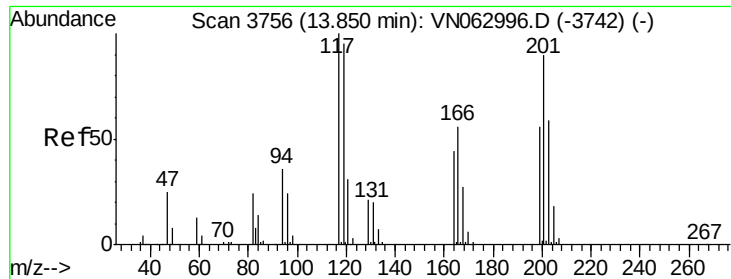
Tot Ion:119 Resp: 2132
 Ion Ratio Lower Upper
 119 100
 134 30.3 13.1 39.3
 91 0.0 11.5 34.4#



#89
 n-Butylbenzene
 Concen: 3.019 ug/l
 RT: 13.56 min Scan# 3665
 Delta R.T. -0.03 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

Tgt Ion: 91 Resp: 1970
 Ion Ratio Lower Upper
 91 100
 92 25.9 25.9 77.6
 134 688.8 12.4 37.0#





#90

Hexachloroethane

Concen: 3.336 ug/l

RT: 13.87 min Scan# 3761

Delta R.T. 0.02 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

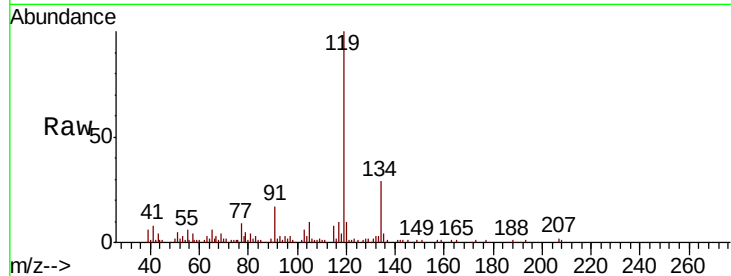
40617

Tot Ion:117 Resp: 5613

Ion Ratio Lower Upper

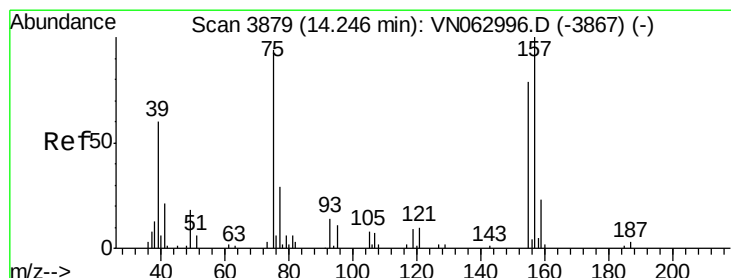
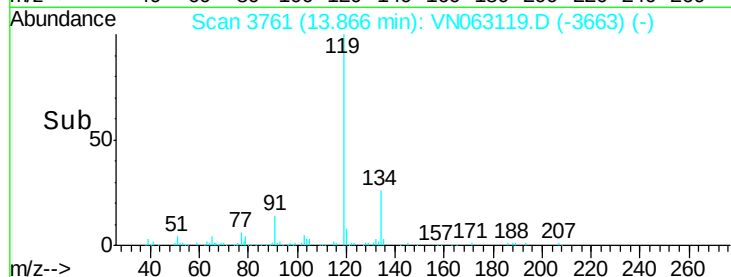
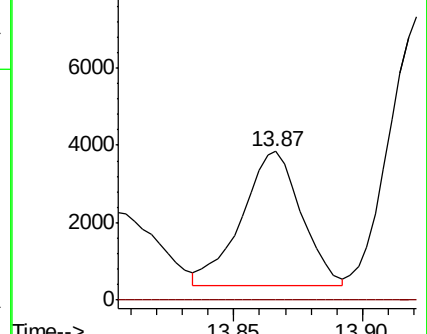
117 100

201 0.0 44.1 132.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.977 ug/l

RT: 14.23 min Scan# 3874

Delta R.T. -0.02 min

Lab File: VN063119.D

Acq: 25 Aug 2020 18:15

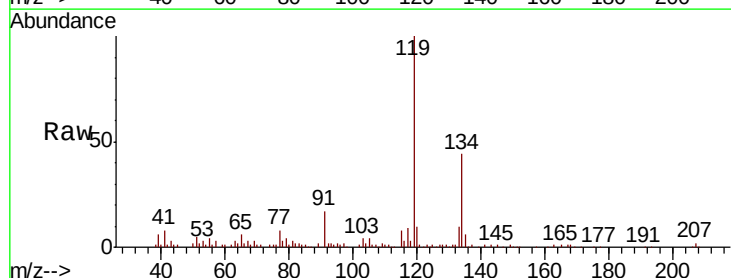
Tgt Ion: 75 Resp: 938

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.1#

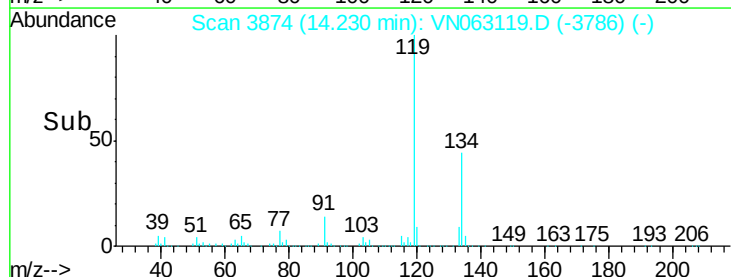
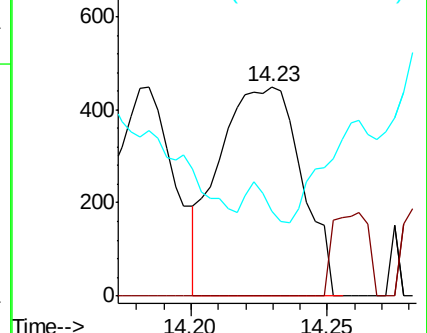
157 0.0 55.2 165.6#

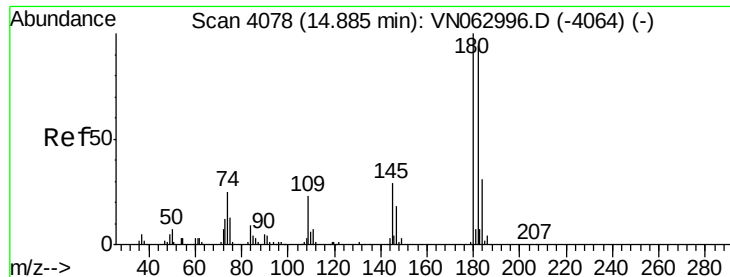


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

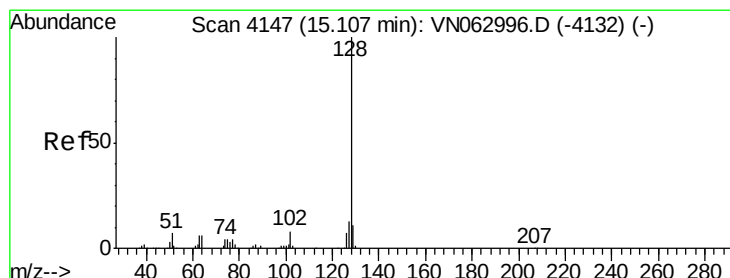
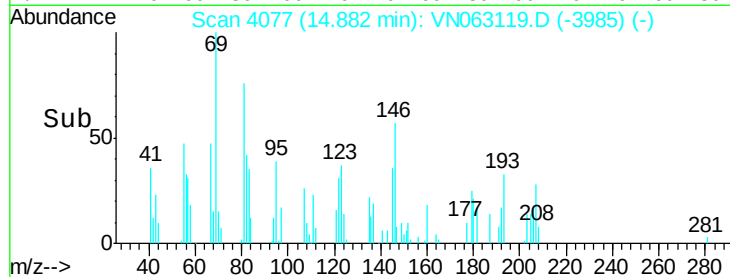
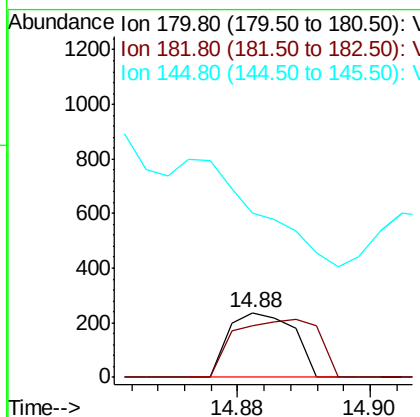
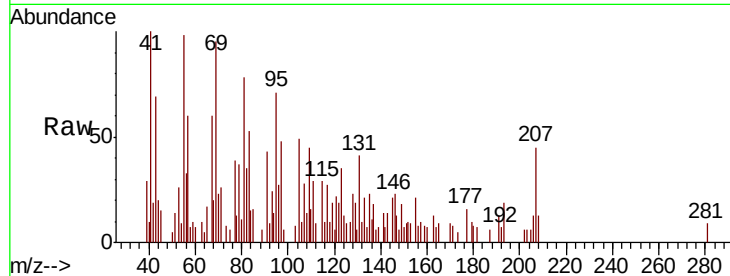




#93
 1,2,4-Trichlorobenzene
 Concen: 4.607 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

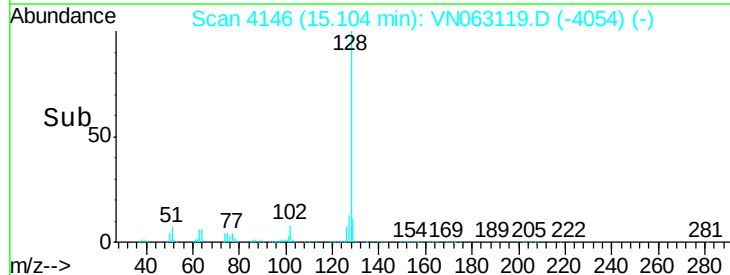
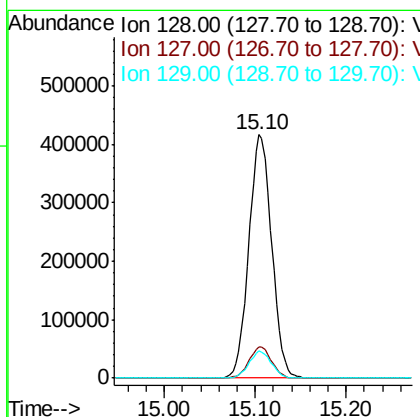
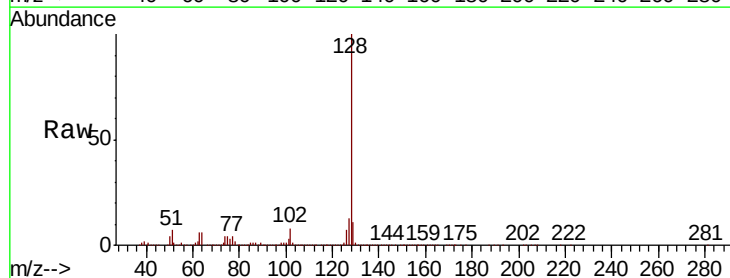
Instrument :
 MSVOA_N
 ClientSampleId :
 40617

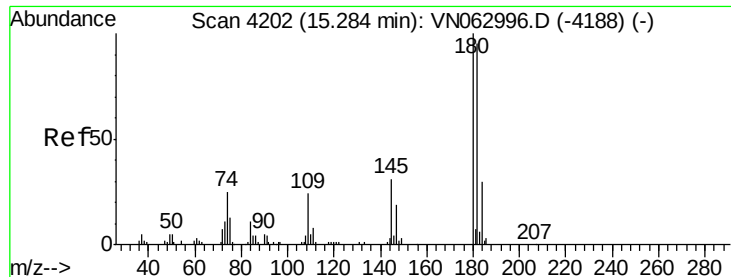
Tot Ion	Ratio	Lower	Upper
180	100		
182	114.8	47.0	141.2
145	0.0	14.1	42.4



#95
 Naphthalene
 Concen: 122.790 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. -0.00 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.8	8.9	13.3

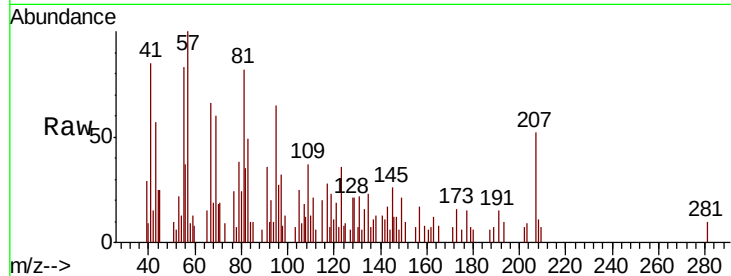




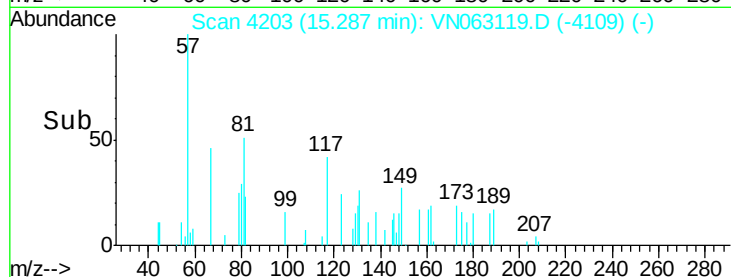
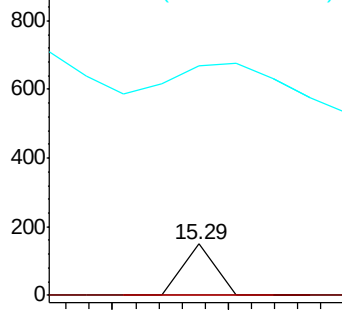
#96
 1,2,3-Trichlorobenzene
 Concen: 3.977 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN063119.D
 Acq: 25 Aug 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 40617

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.9#
145	0.0	15.6	46.7#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



Time-->