

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064929.D
 Acq On : 4 Dec 2020 19:19
 Operator : JC/MD
 Sample : L4954-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-FD02-120120

Quant Time: Dec 05 01:35:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	191031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	326503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	338272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105661	47.58	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.16%
35) Dibromofluoromethane	7.55	113	101847	52.13	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.26%
50) Toluene-d8	10.06	98	427962	53.61	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.22%
62) 4-Bromofluorobenzene	12.37	95	167912	58.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	117.56%

Target Compounds

					Qvalue	
11) Tert butyl alcohol	5.00	59	278	0.803	ug/l	# 1
13) Acrolein	3.76	56	23546	111.299	ug/l	# 77
14) Allyl chloride	4.36	41	2510	0.822	ug/l	# 77
15) Acrylonitrile	5.00	53	17838	18.643	ug/l	# 30
16) Acetone	3.76	43	62477	85.578	ug/l	# 52
18) Methyl Acetate	4.49	43	124472	56.708	ug/l	# 50
20) Methylene Chloride	4.49	84	1549	0.677	ug/l	# 1
25) 2-Butanone	6.78	43	4287	3.622	ug/l	# 49
26) 2,2-Dichloropropane	6.58	77	7050	2.224	ug/l	# 52
29) Tetrahydrofuran	7.35	42	2051	2.511	ug/l	# 1
30) Chloroform	7.28	83	1896	0.503	ug/l	# 17
31) Cyclohexane	7.61	56	645089	208.406	ug/l	# 95
36) 1,1-Dichloropropene	7.62	75	13305	4.396	ug/l	# 46
37) Ethyl Acetate	6.78	43	4287	1.471	ug/l	# 66
38) Carbon Tetrachloride	7.63	117	18288	5.808	ug/l	# 17
39) Methylcyclohexane	9.05	83	572261	175.654	ug/l	# 98
40) Benzene	8.00	78	7910	0.853	ug/l	# 96
41) Methacrylonitrile	7.27	41	912	0.678	ug/l	# 33
43) Isopropyl Acetate	8.11	43	53404	11.385	ug/l	# 59
45) 1,2-Dichloropropane	9.05	63	5362	2.233	ug/l	# 1
47) Bromodichloromethane	9.33	83	2910	0.901	ug/l	# 62
48) Methyl methacrylate	9.23	41	37799	16.863	ug/l	# 49
51) 4-Methyl-2-Pentanone	9.96	43	3187	1.132	ug/l	# 61
52) Toluene	10.13	92	5713	1.000	ug/l	# 93
55) 1,1,2-Trichloroethane	10.50	97	64749	27.570	ug/l	# 18
56) Ethyl methacrylate	10.40	69	34570	10.667	ug/l	# 40
59) 2-Hexanone	10.69	43	10358	5.111	ug/l	# 28
67) Ethyl Benzene	11.48	91	3958162	326.164	ug/l	# 95
68) m/p-Xylenes	11.59	106	282244	61.430	ug/l	# 99
69) o-Xylene	11.92	106	28175	6.462	ug/l	# 95
70) Styrene	11.92	104	2706	0.368	ug/l	# 1
71) Bromoform	12.38	173	923	0.433	ug/l	# 1
73) Isopropylbenzene	12.22	105	777071	66.022	ug/l	# 100
74) N-amyl acetate	12.02	43	2556	0.552	ug/l	# 52

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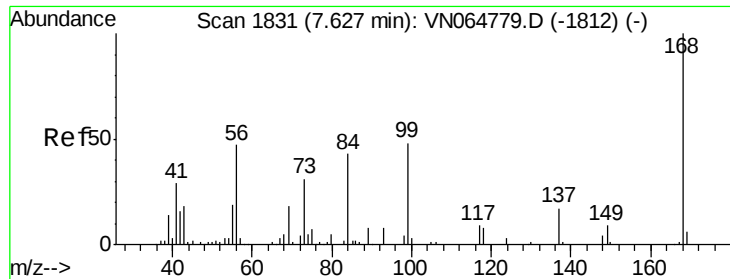
Instrument :
 MSVOA_N
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.57	75	5827	1.599	ug/l #	100
77) Bromobenzene	12.40	156	5621	1.771	ug/l #	1
78) n-propylbenzene	12.56	91	1004642	74.927	ug/l	99
79) 2-Chlorotoluene	12.71	91	38531	4.649	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.71	105	378296	38.668	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.22	75	8497	6.391	ug/l #	61
82) 4-Chlorotoluene	12.71	91	38531	4.435	ug/l #	41
83) tert-Butylbenzene	13.01	119	739898	90.230	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.01	105	5335073	539.363	ug/l	92
85) sec-Butylbenzene	13.01	105	5334695	489.979	ug/l #	56
86) p-Isopropyltoluene	13.26	119	136774	13.798	ug/l	100
89) n-Butylbenzene	13.59	91	98604	11.327	ug/l #	72
90) Hexachloroethane	13.86	117	42503	24.683	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	512	0.660	ug/l #	1
95) Naphthalene	15.10	128	2261654	220.457	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

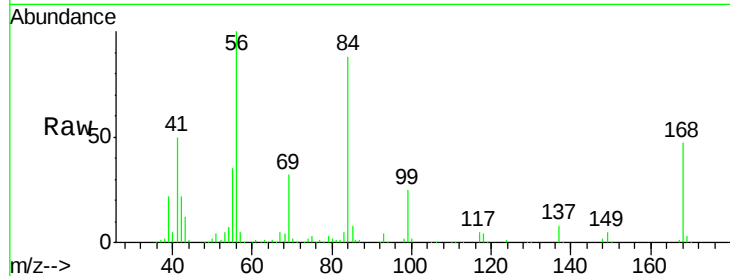
SS013-13-FD02-120120

Tot Ion:168 Resp: 191031

Ion Ratio Lower Upper

168 100

99 52.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

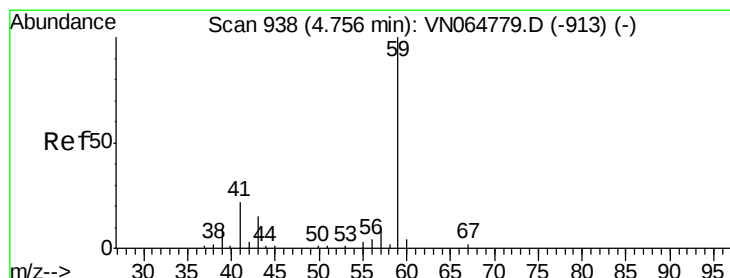
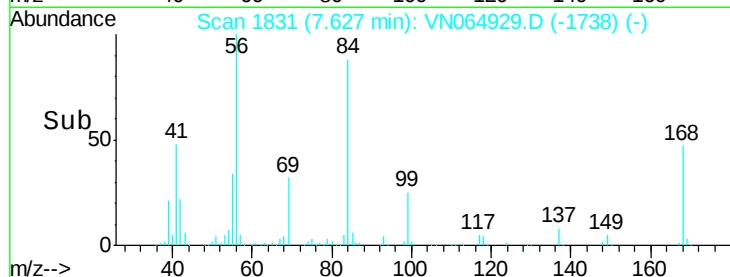
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.803 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.24 min

Lab File: VN064929.D

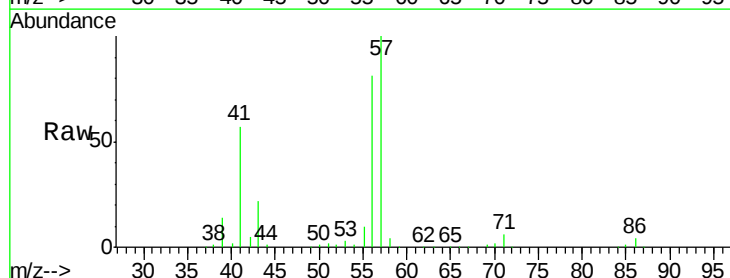
Acq: 4 Dec 2020 19:19

Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

59 100

57 196624.8 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

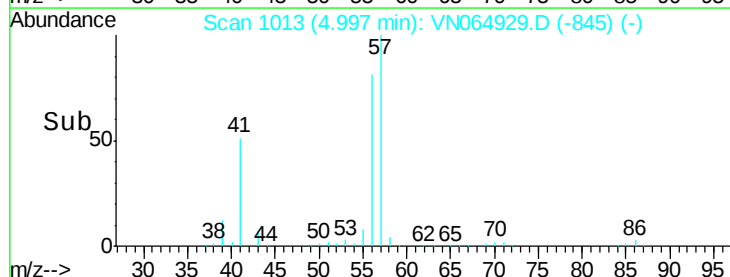
150000

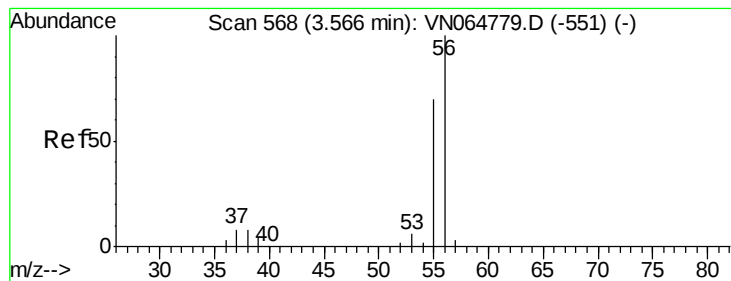
100000

50000

0

Time--> 4.98 5.00 5.02





#13

Acrolein

Concen: 111.299 ug/l

RT: 3.76 min Scan# 628

Delta R.T. 0.19 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

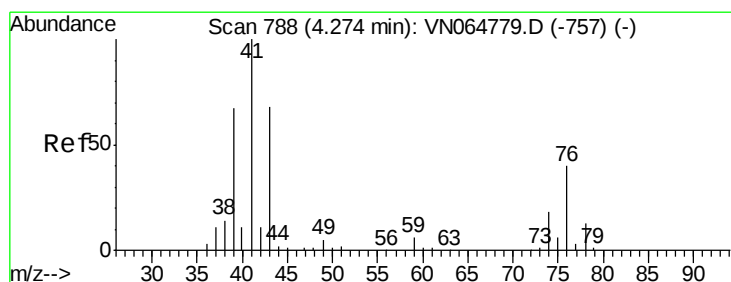
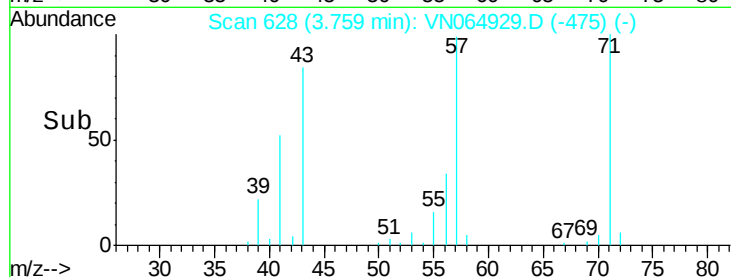
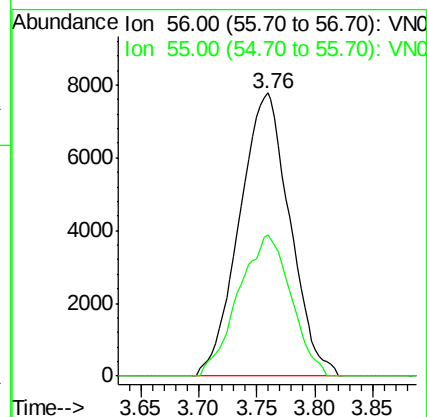
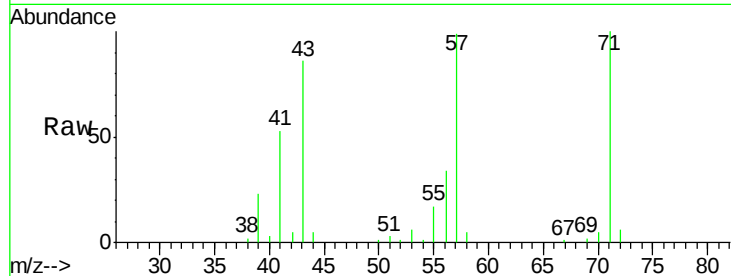
SS013-13-FD02-120120

Tot Ion: 56 Resp: 23546

Ion Ratio Lower Upper

56 100

55 51.9 56.5 84.7#



#14

Allyl chloride

Concen: 0.822 ug/l

RT: 4.36 min Scan# 816

Delta R.T. 0.09 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

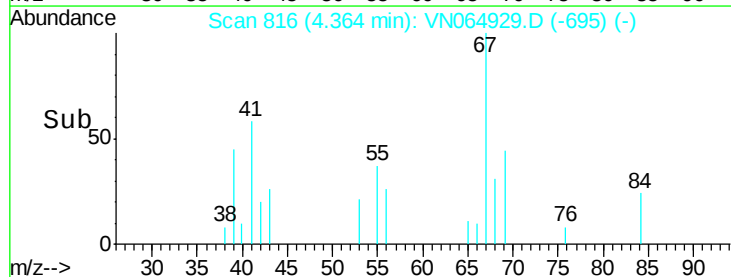
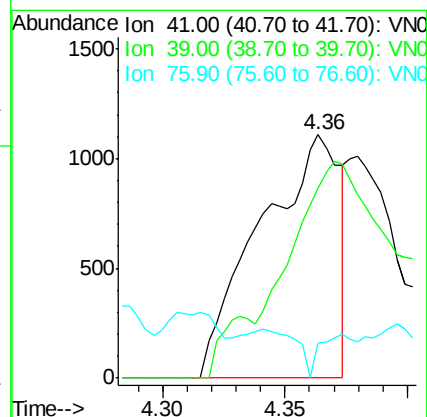
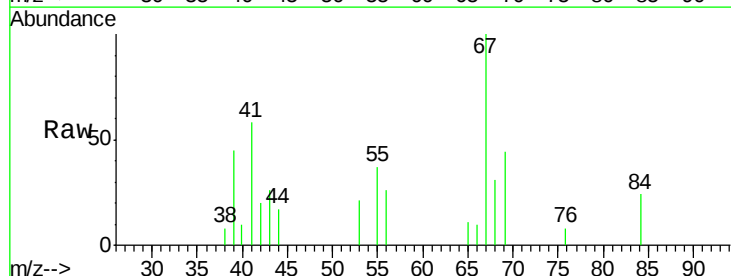
Tgt Ion: 41 Resp: 2510

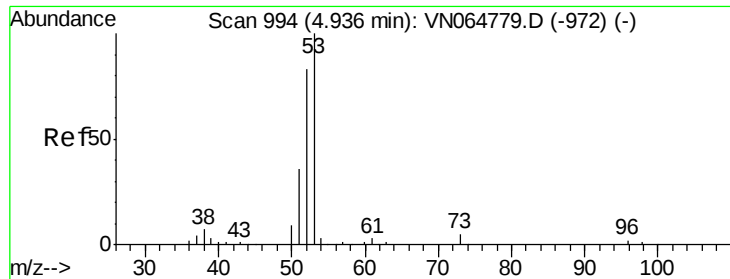
Ion Ratio Lower Upper

41 100

39 71.0 50.9 76.3

76 8.1 29.0 43.4#





#15

Acrylonitrile

Concen: 18.643 ug/l

RT: 5.00 min Scan# 1014

Delta R.T. 0.06 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120

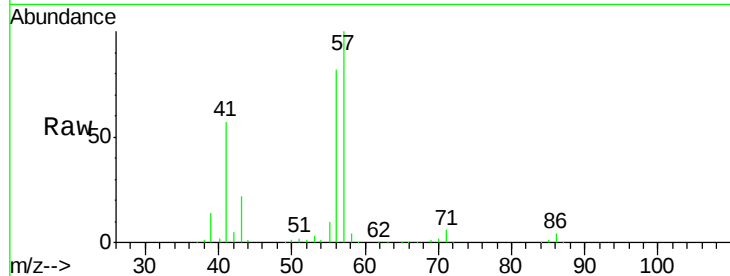
Tot Ion: 53 Resp: 17838

Ion Ratio Lower Upper

53 100

52 9.8 65.5 98.3#

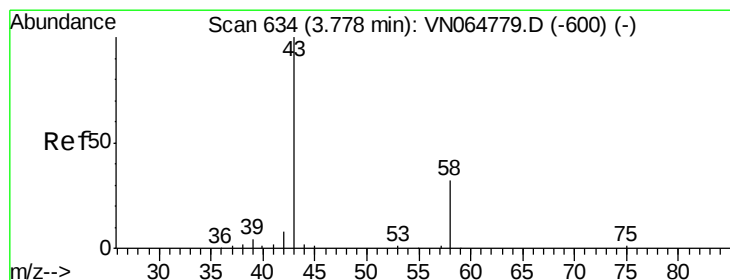
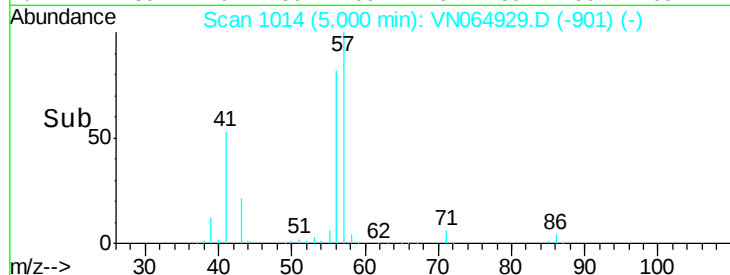
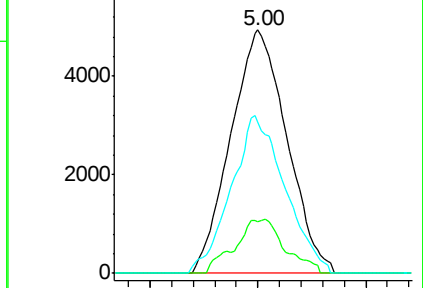
51 62.3 28.6 43.0#



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: 85.578 ug/l

RT: 3.76 min Scan# 627

Delta R.T. -0.02 min

Lab File: VN064929.D

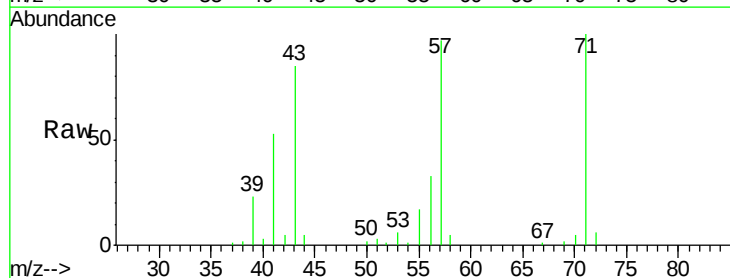
Acq: 4 Dec 2020 19:19

Tgt Ion: 43 Resp: 62477

Ion Ratio Lower Upper

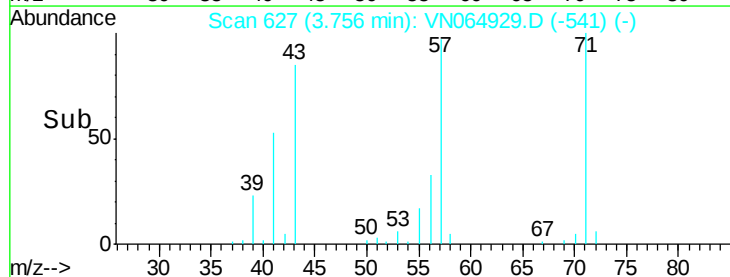
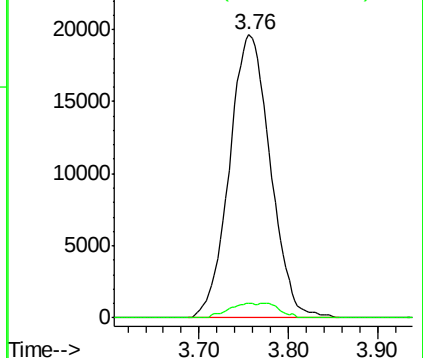
43 100

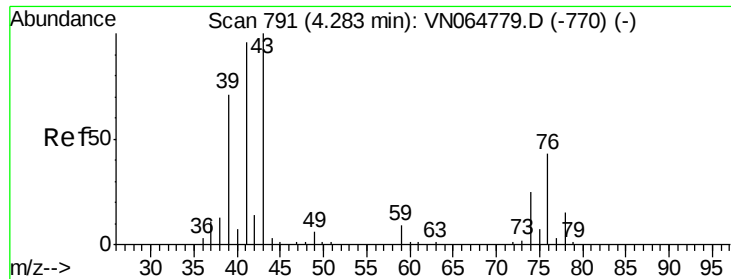
58 5.3 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

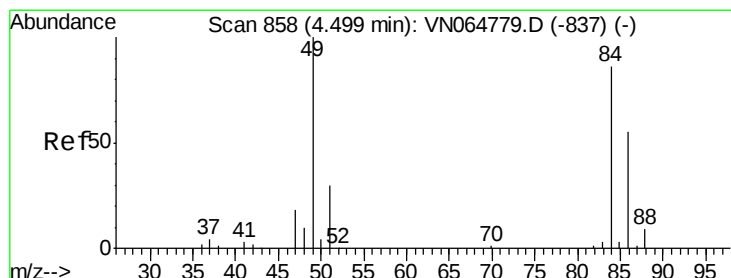
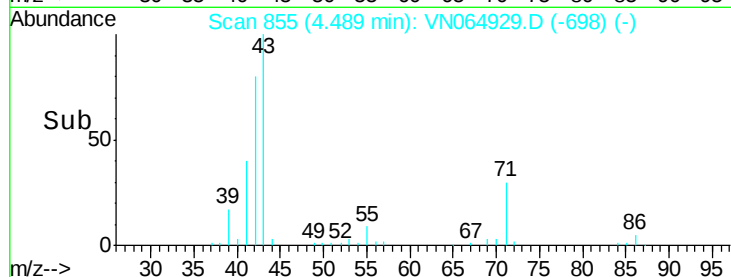
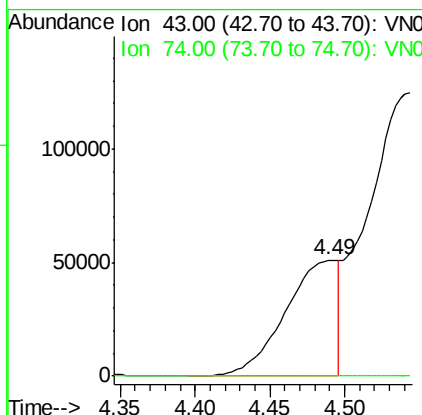
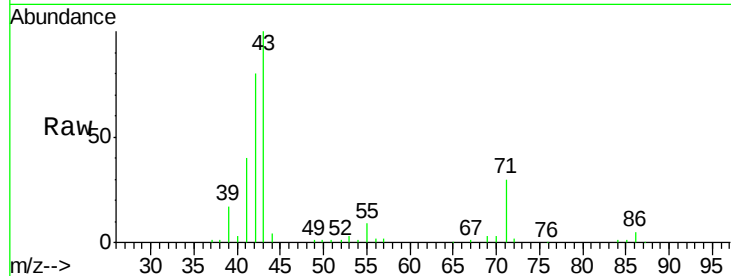




#18
Methyl Acetate
Concen: 56.708 ug/l
RT: 4.49 min Scan# 855
Delta R.T. 0.21 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

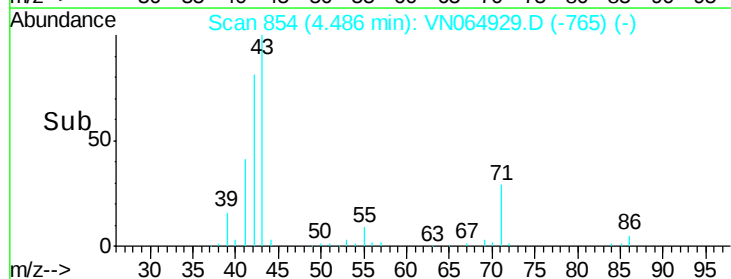
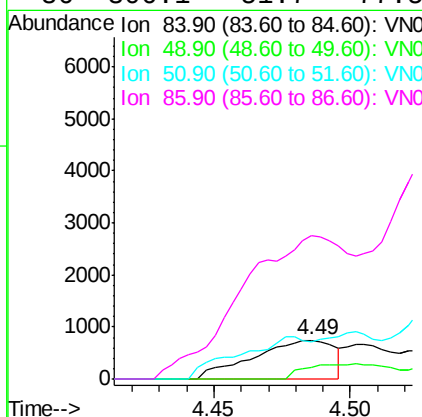
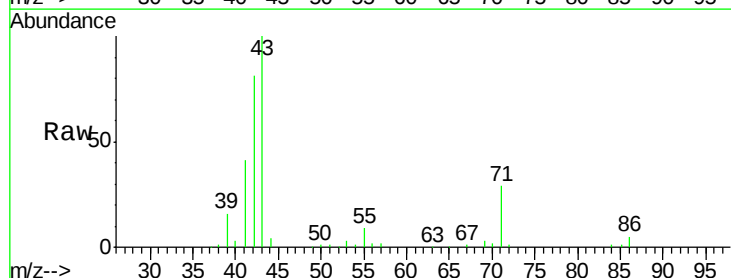
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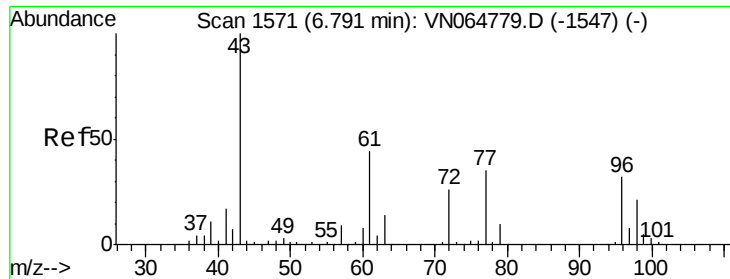
Tot Ion: 43 Resp: 124472
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.677 ug/l
RT: 4.49 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

Tgt Ion: 84 Resp: 1549
Ion Ratio Lower Upper
84 100
49 30.5 93.4 140.0#
51 95.5 28.2 42.4#
86 306.1 51.7 77.5#





#25

2-Butanone

Concen: 3.622 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

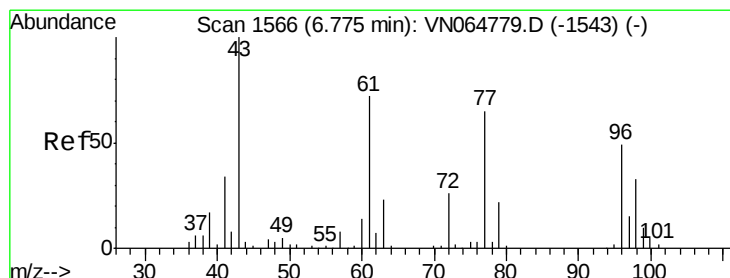
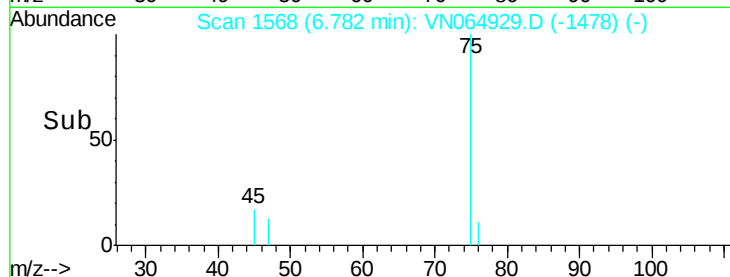
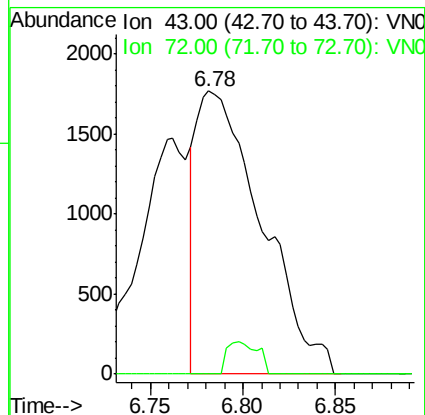
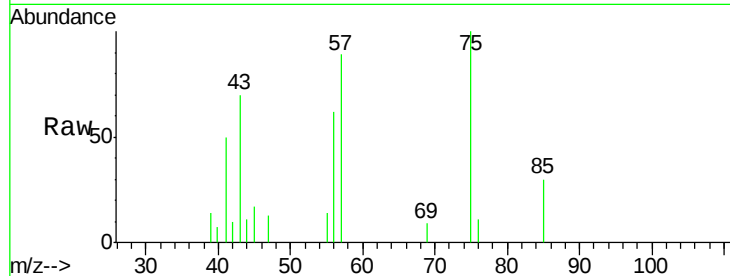
SS013-13-FD02-120120

Tot Ion: 43 Resp: 4287

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#26

2,2-Dichloropropane

Concen: 2.224 ug/l

RT: 6.58 min Scan# 1505

Delta R.T. -0.20 min

Lab File: VN064929.D

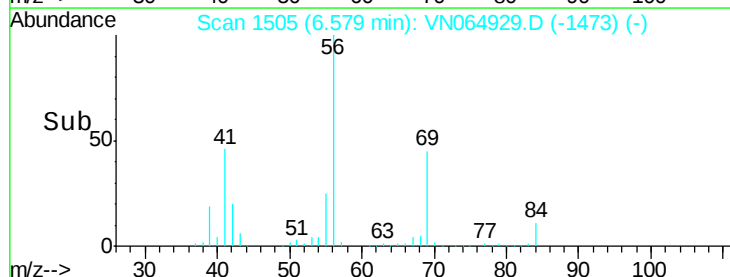
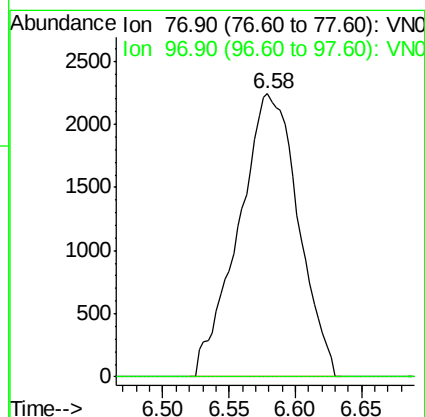
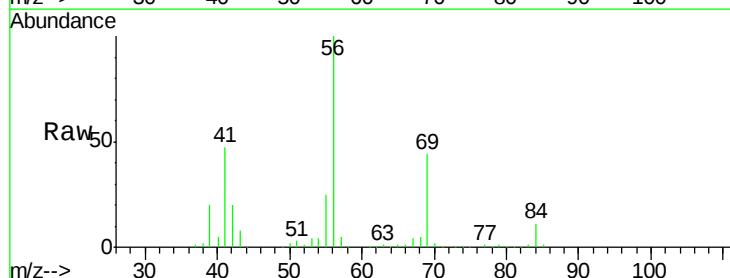
Acq: 4 Dec 2020 19:19

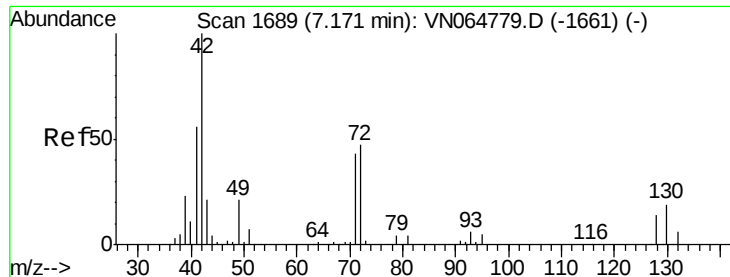
Tgt Ion: 77 Resp: 7050

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#29

Tetrahydrofuran

Concen: 2.511 ug/l

RT: 7.35 min Scan# 1744

Delta R.T. 0.18 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120

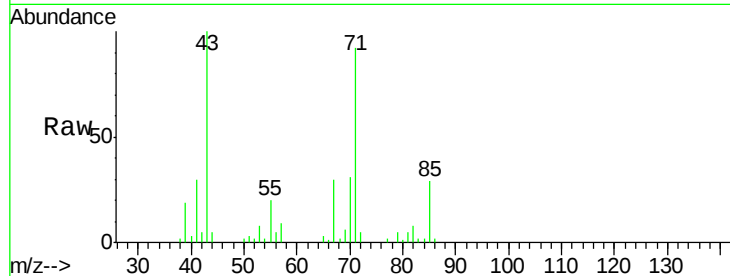
Tot Ion: 42 Resp: 2051

Ion Ratio Lower Upper

42 100

72 111.7 36.6 54.8#

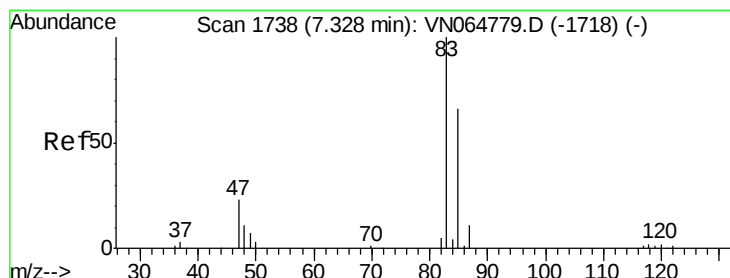
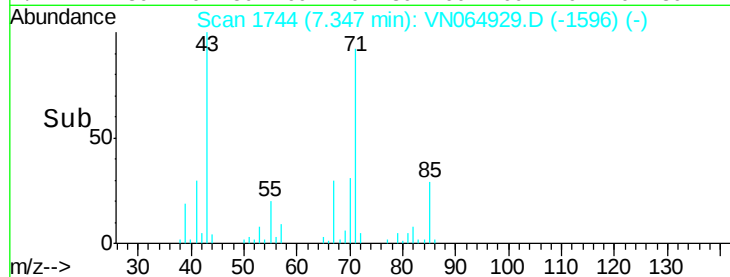
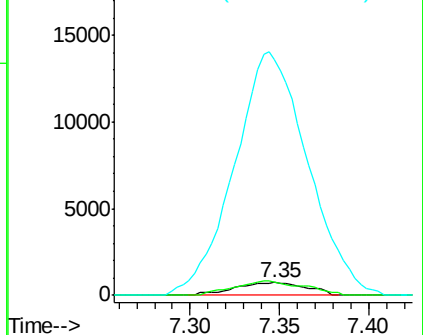
71 1965.1 33.6 50.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.503 ug/l

RT: 7.28 min Scan# 1724

Delta R.T. -0.04 min

Lab File: VN064929.D

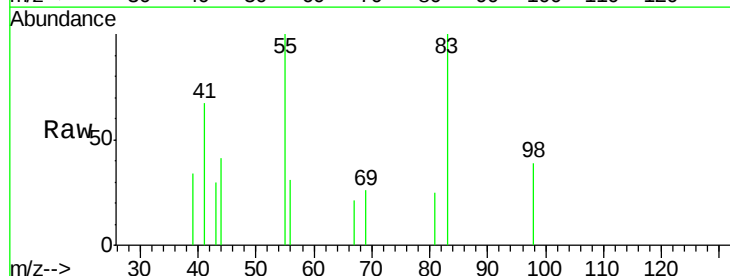
Acq: 4 Dec 2020 19:19

Tgt Ion: 83 Resp: 1896

Ion Ratio Lower Upper

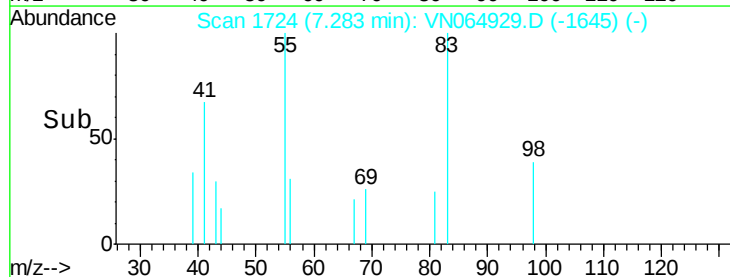
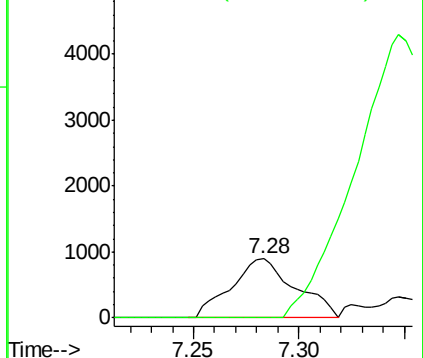
83 100

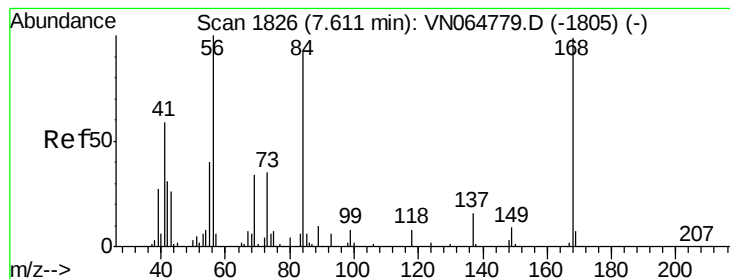
85 0.0 52.6 78.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 208.406 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120

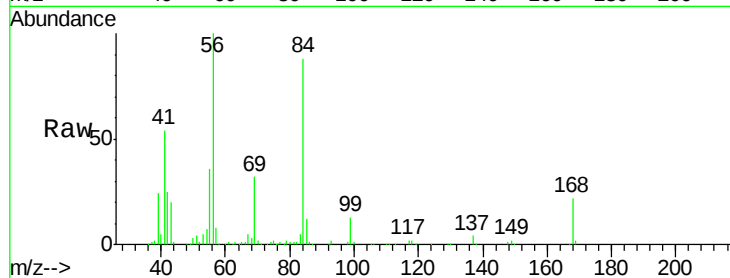
Tot Ion: 56 Resp: 645089

Ion Ratio Lower Upper

56 100

69 31.6 27.5 41.3

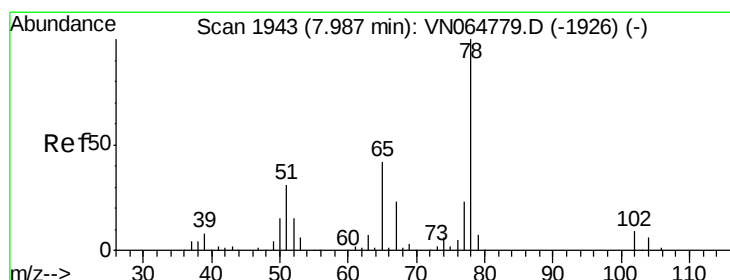
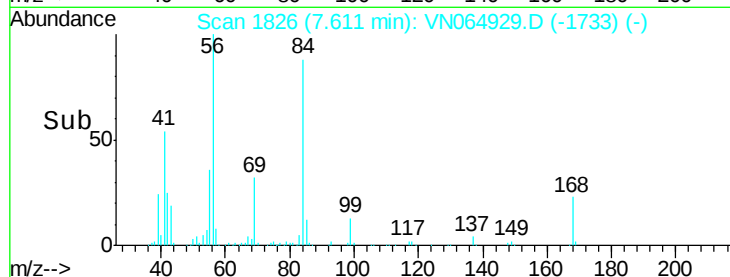
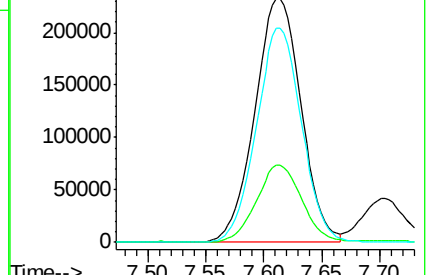
84 87.8 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN064779.D (-1805) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.577 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064929.D

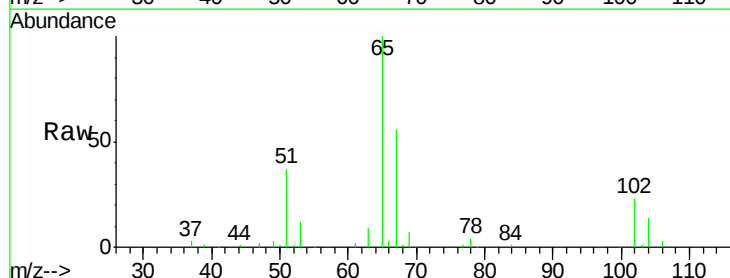
Acq: 4 Dec 2020 19:19

Tgt Ion: 65 Resp: 105661

Ion Ratio Lower Upper

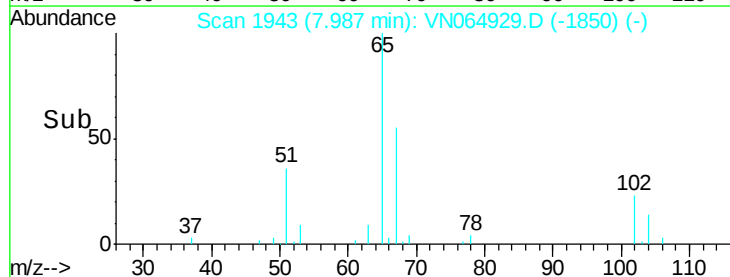
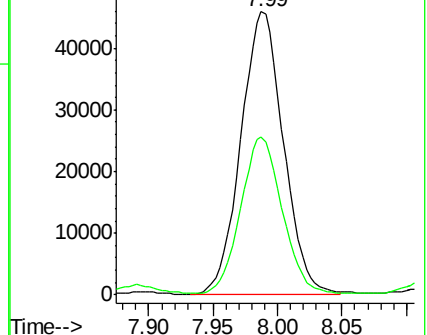
65 100

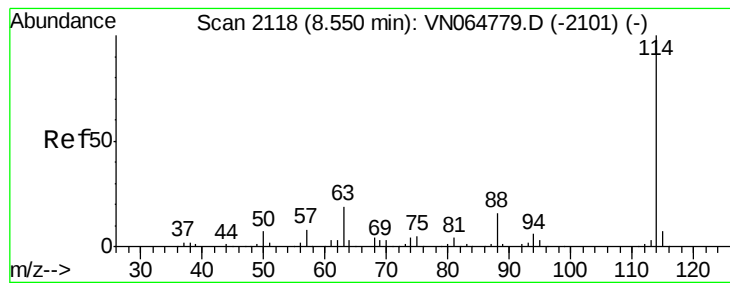
67 53.6 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120

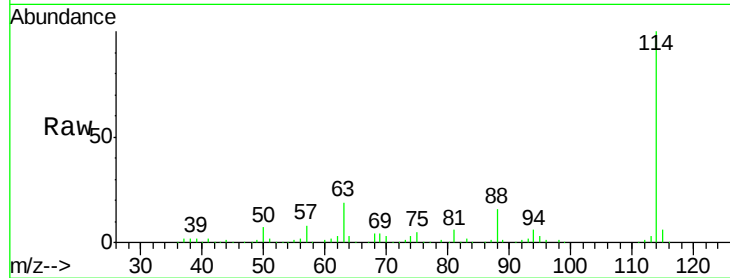
Tot Ion:114 Resp: 326503

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

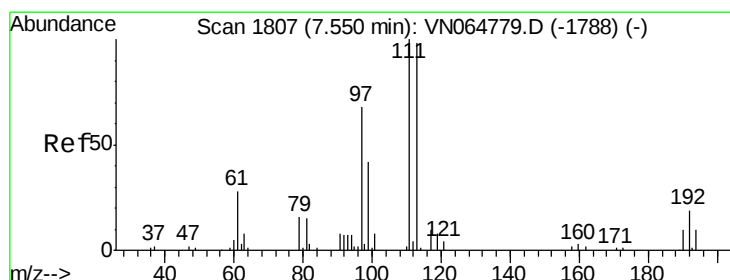
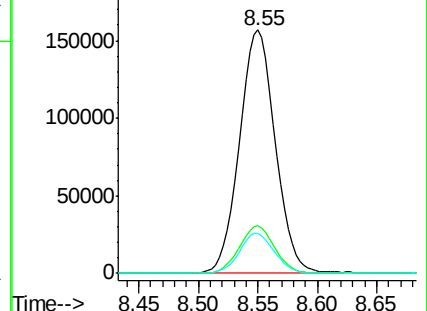
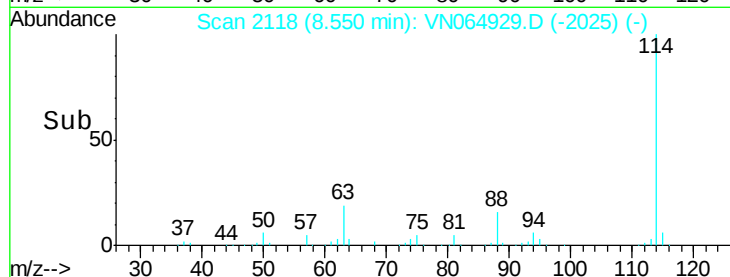
88 16.3 0.0 32.6



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: 52.131 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

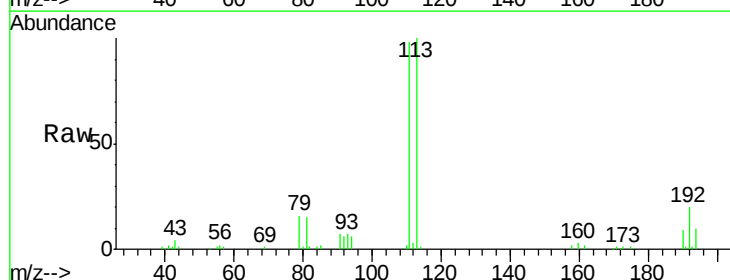
Tgt Ion:113 Resp: 101847

Ion Ratio Lower Upper

113 100

111 100.9 81.6 122.4

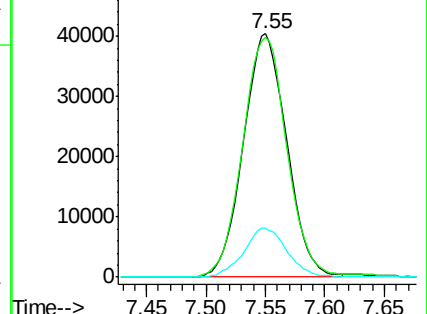
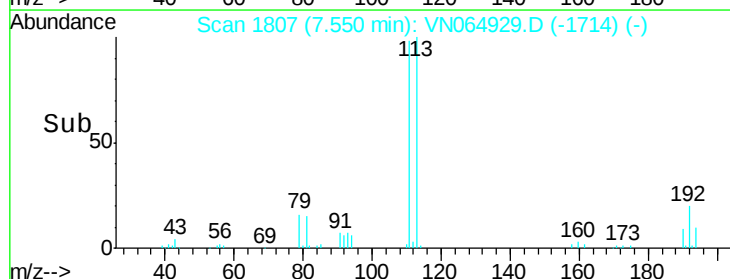
192 19.9 16.2 24.2

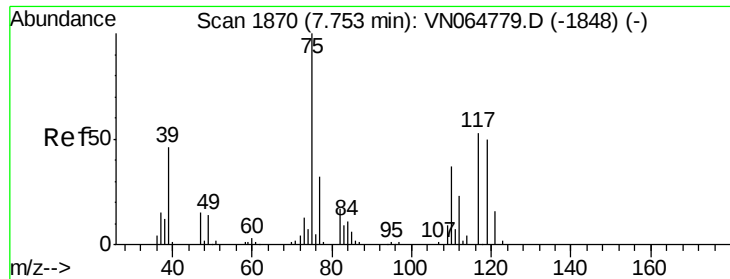


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.396 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120

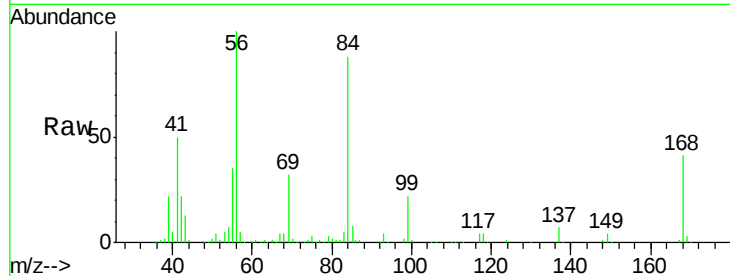
Tot Ion: 75 Resp: 13305

Ion Ratio Lower Upper

75 100

110 7.3 17.8 53.3#

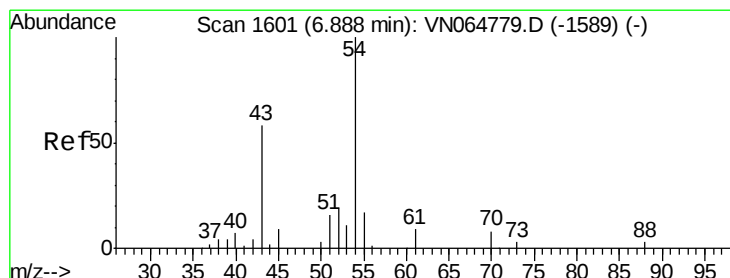
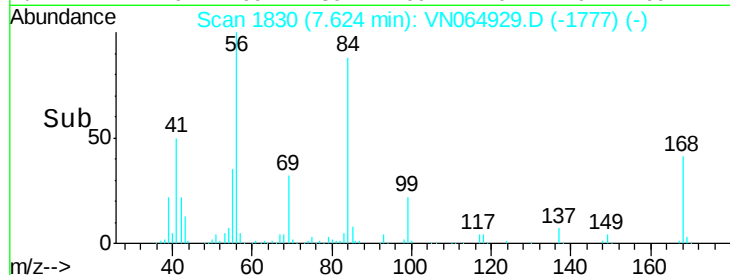
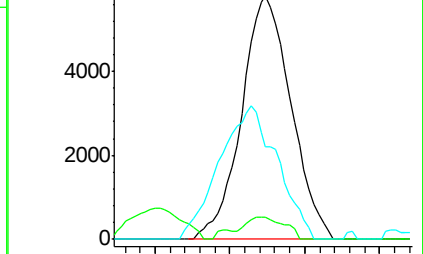
77 64.1 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064929.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN064929.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064929.D (-1777) (-)



#37

Ethyl Acetate

Concen: 1.471 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.11 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

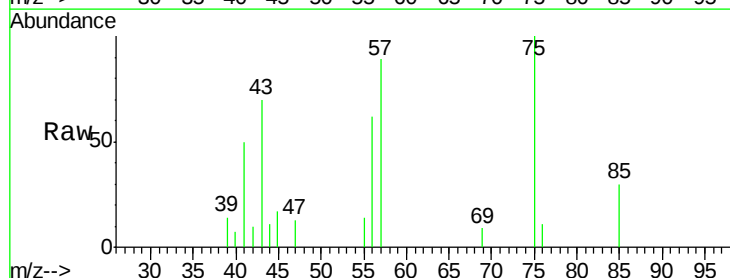
Tgt Ion: 43 Resp: 4287

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

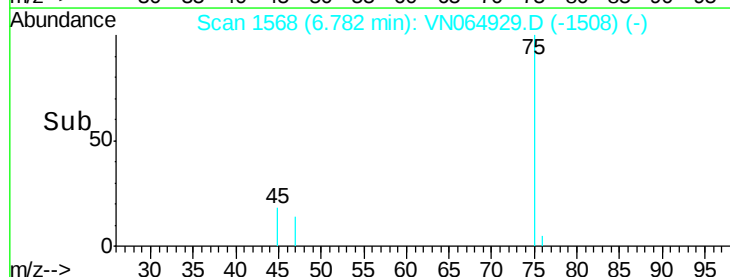
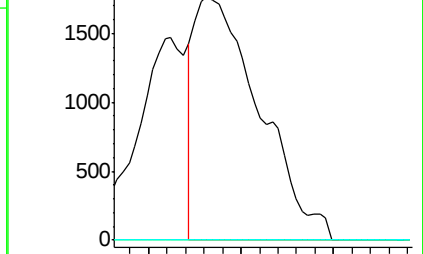
70 0.0 8.8 13.2#

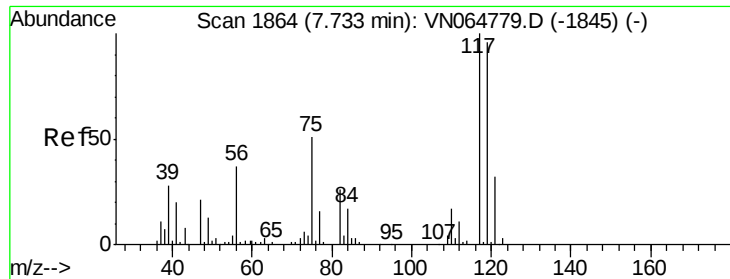


Abundance Ion 43.00 (42.70 to 43.70): VN064929.D (-1508) (-)

Ion 60.90 (60.60 to 61.60): VN064929.D (-1508) (-)

Ion 70.00 (69.70 to 70.70): VN064929.D (-1508) (-)

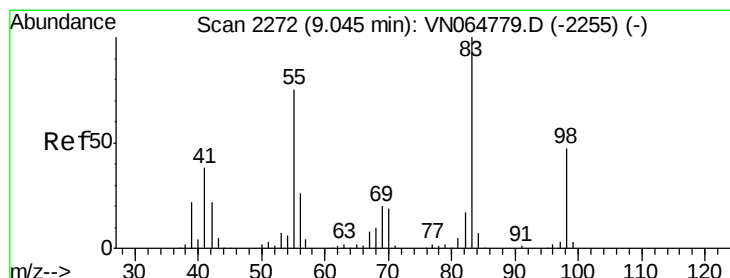
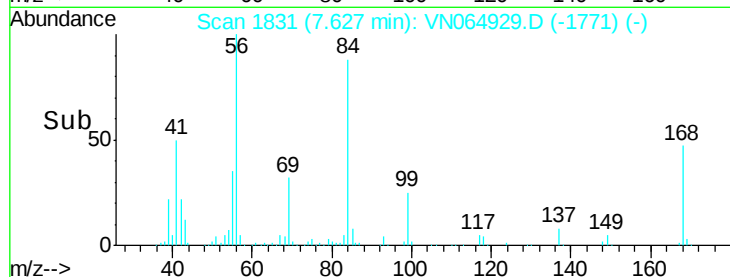
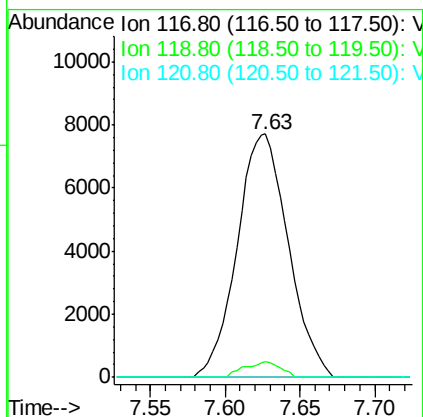
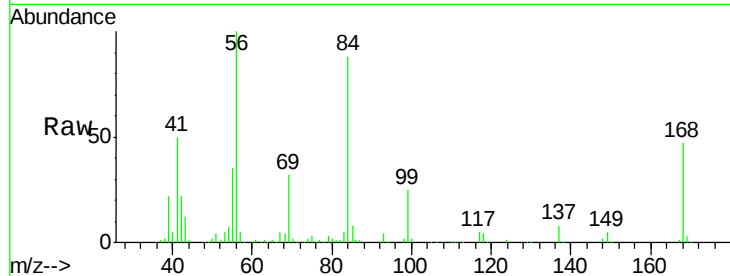




#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

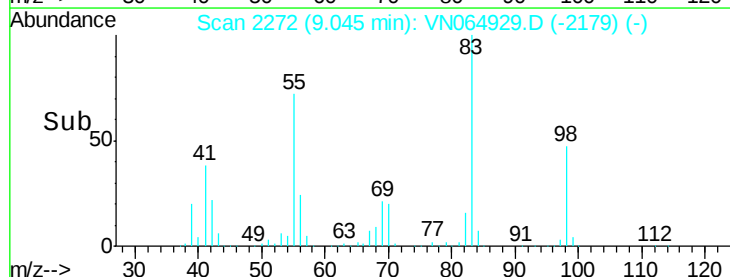
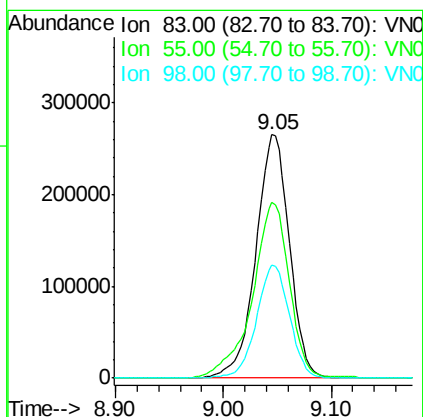
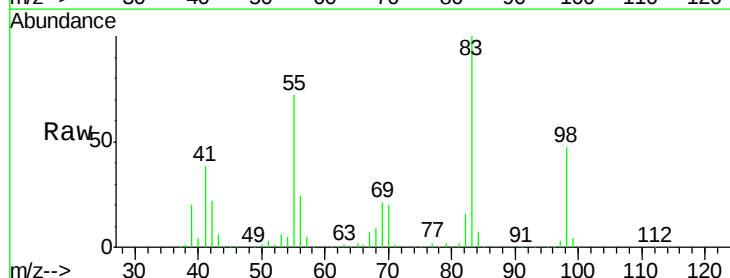
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120

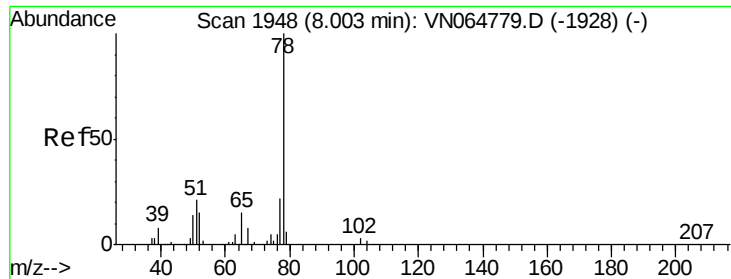
Tot Ion: 117 Resp: 18288
Ion Ratio Lower Upper
117 100
119 6.7 76.7 115.1#
121 0.0 25.4 38.2#



#39
Methylcyclohexane
Concen: 175.654 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

Tgt Ion: 83 Resp: 572261
Ion Ratio Lower Upper
83 100
55 72.2 60.2 90.2
98 46.6 37.4 56.2





#40

Benzene

Concen: 0.853 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

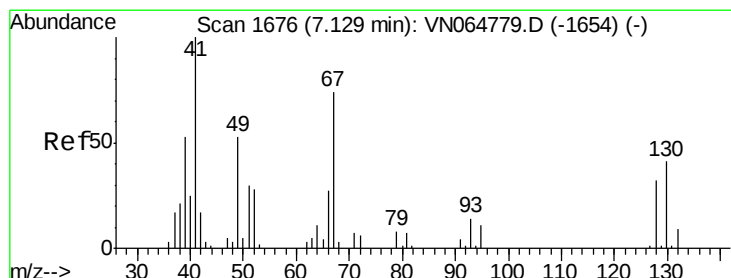
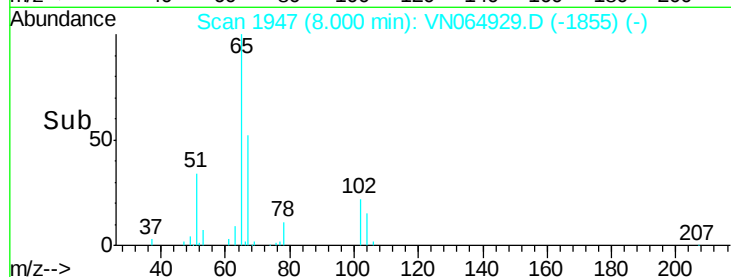
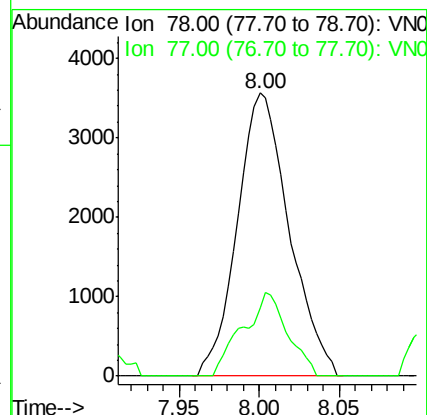
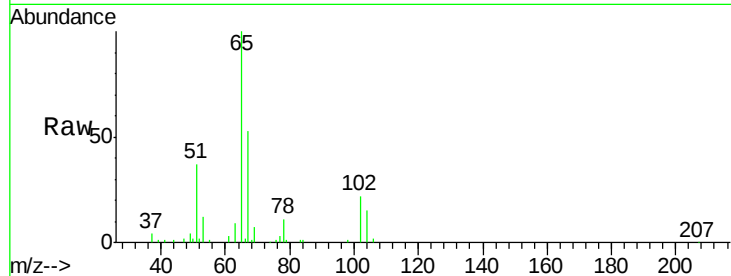
SS013-13-FD02-120120

Tot Ion: 78 Resp: 7910

Ion Ratio Lower Upper

78 100

77 24.3 17.9 26.9



#41

Methacrylonitrile

Concen: 0.678 ug/l

RT: 7.27 min Scan# 1719

Delta R.T. 0.14 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Tgt Ion: 41 Resp: 912

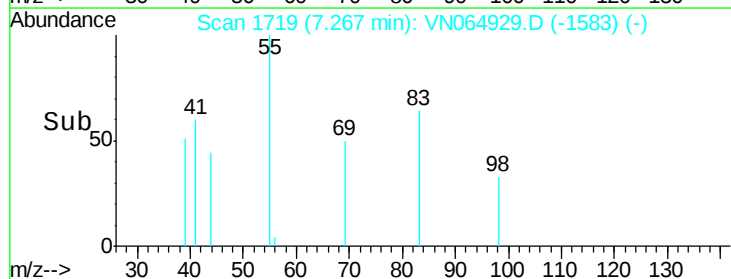
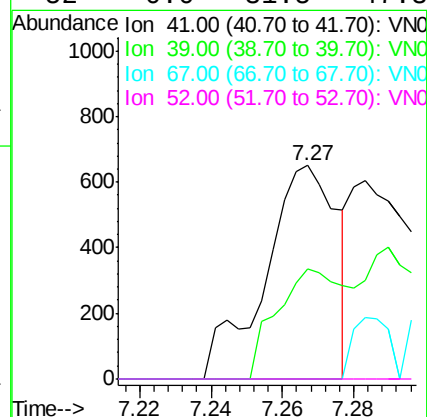
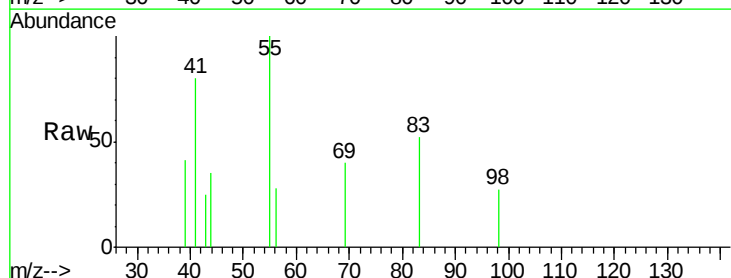
Ion Ratio Lower Upper

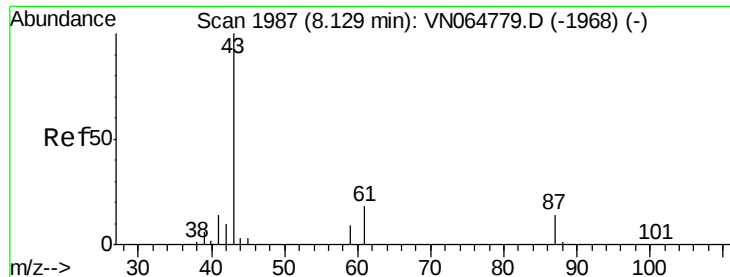
41 100

39 50.8 51.0 76.6#

67 0.0 79.8 119.8#

52 0.0 31.5 47.3#





#43

Isopropyl Acetate

Concen: 11.385 ug/l

RT: 8.11 min Scan# 1981

Delta R.T. -0.02 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120

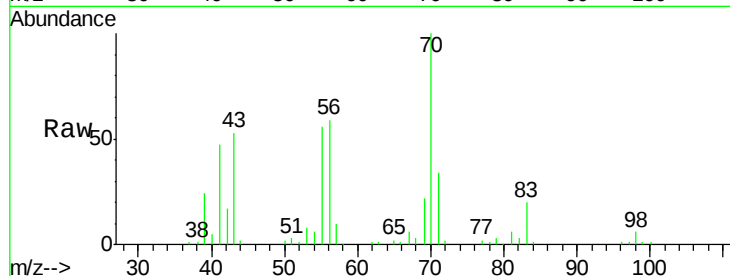
Tot Ion: 43 Resp: 53404

Ion Ratio Lower Upper

43 100

61 0.1 17.2 25.8#

87 0.0 11.4 17.0#

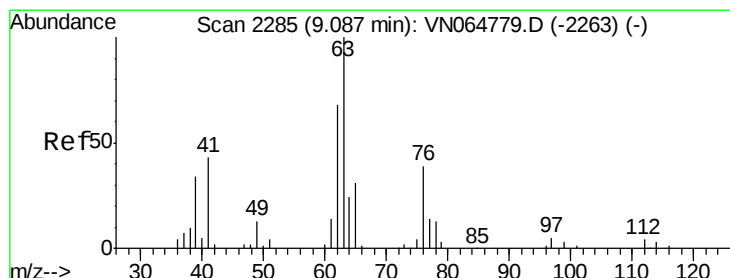
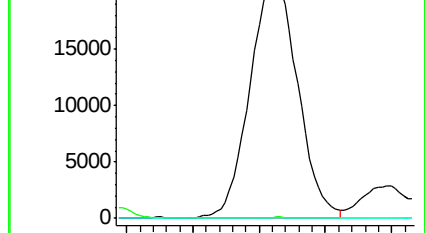
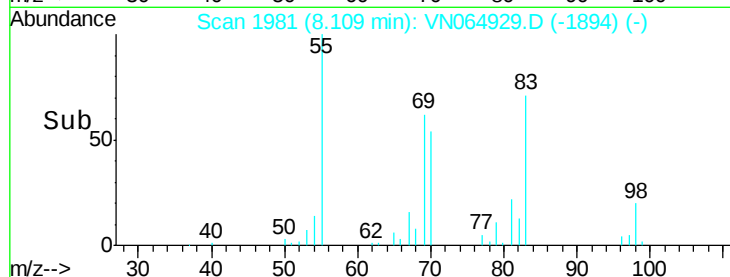


Abundance Ion 43.00 (42.70 to 43.70): VN064929.D (-1981) (-)

Ion 61.00 (60.70 to 61.70): VN064929.D (-1981) (-)

Ion 87.00 (86.70 to 87.70): VN064929.D (-1981) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 2.233 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. -0.04 min

Lab File: VN064929.D

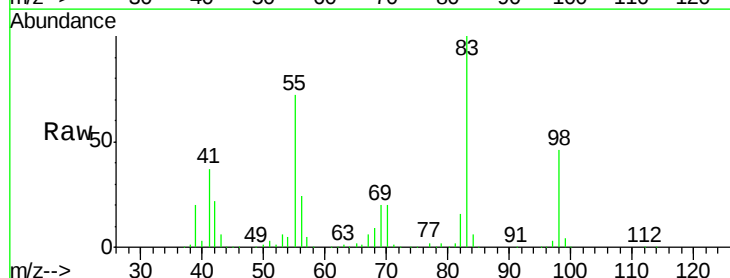
Acq: 4 Dec 2020 19:19

Tgt Ion: 63 Resp: 5362

Ion Ratio Lower Upper

63 100

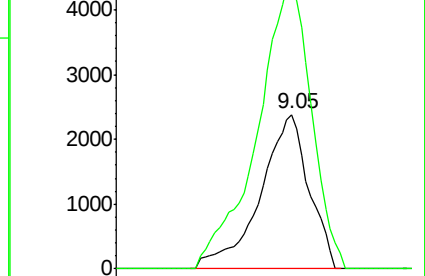
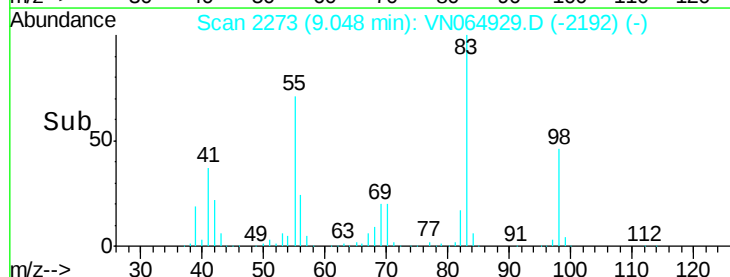
65 183.4 25.0 37.4#

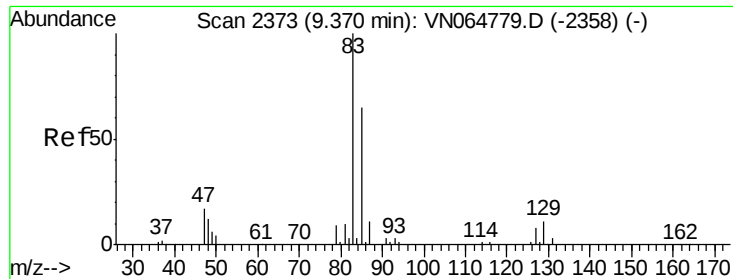


Abundance Ion 62.90 (62.60 to 63.60): VN064929.D (-2273) (-)

Ion 64.90 (64.60 to 65.60): VN064929.D (-2273) (-)

Time-->





#47

Bromodichloromethane

Concen: 0.901 ug/l

RT: 9.33 min Scan# 2360

Delta R.T. -0.04 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120

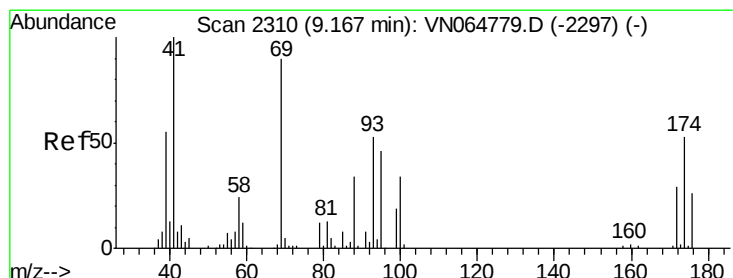
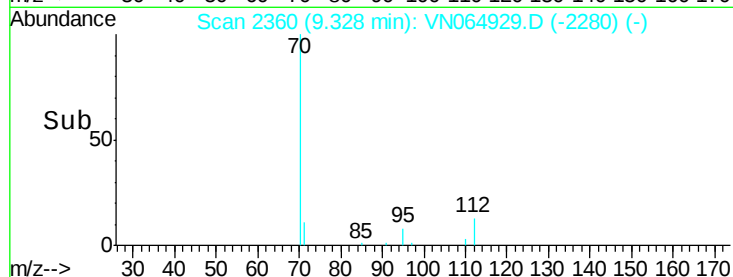
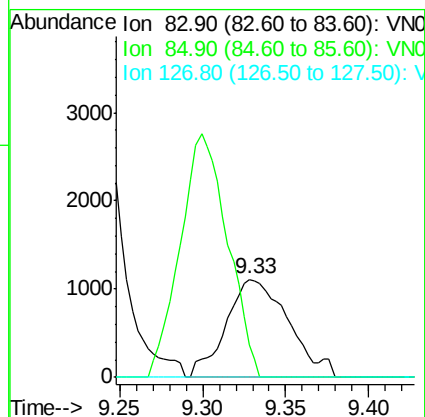
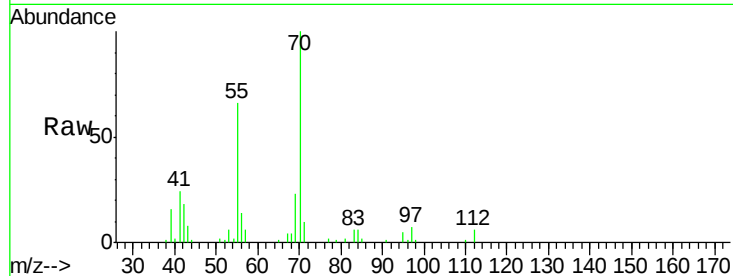
Tot Ion: 83 Resp: 2910

Ion Ratio Lower Upper

83 100

85 33.1 51.8 77.8#

127 0.0 6.8 10.2#



#48

Methyl methacrylate

Concen: 16.863 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

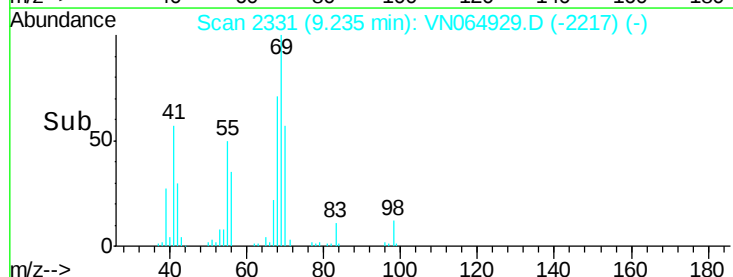
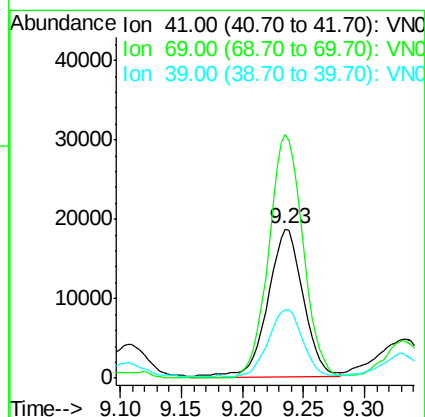
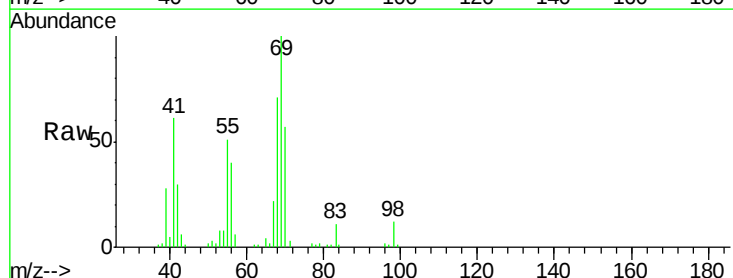
Tgt Ion: 41 Resp: 37799

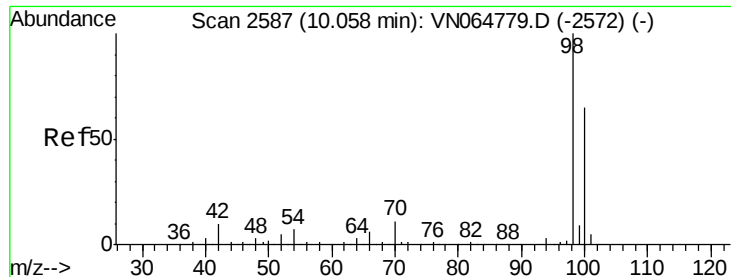
Ion Ratio Lower Upper

41 100

69 159.4 71.8 107.8#

39 44.5 44.1 66.1





#50

Toluene-d8

Concen: 53.612 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

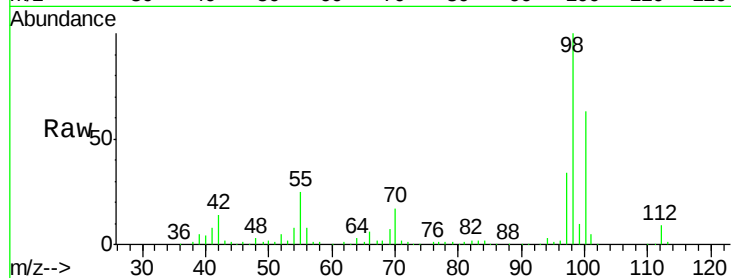
SS013-13-FD02-120120

Tot Ion: 98 Resp: 427962

Ion Ratio Lower Upper

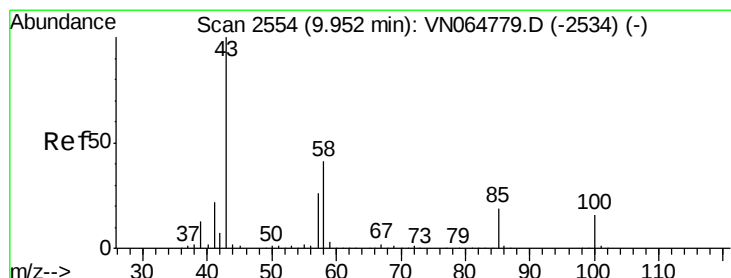
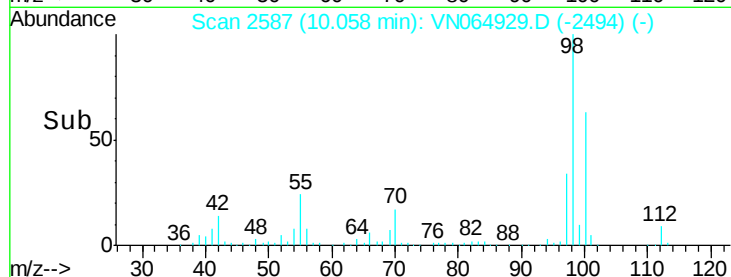
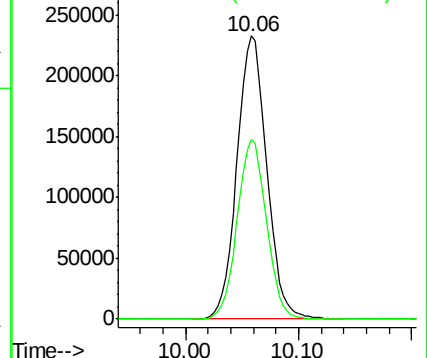
98 100

100 62.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.132 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064929.D

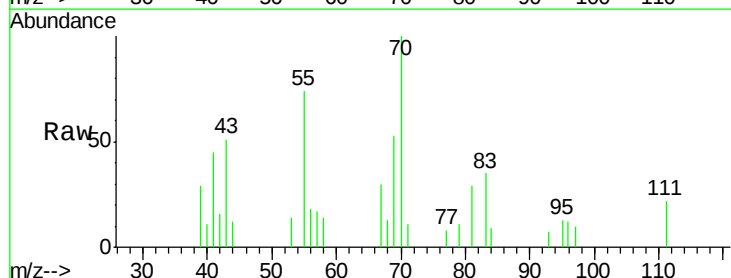
Acq: 4 Dec 2020 19:19

Tgt Ion: 43 Resp: 3187

Ion Ratio Lower Upper

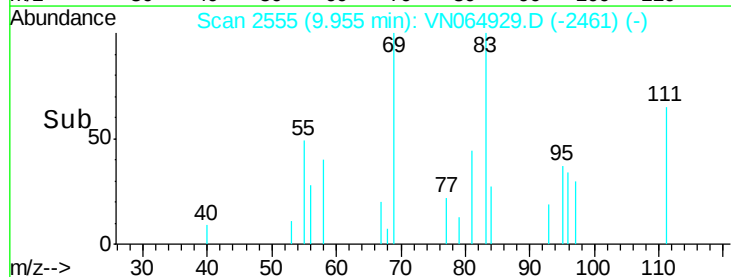
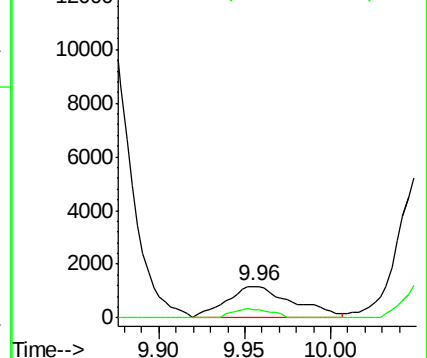
43 100

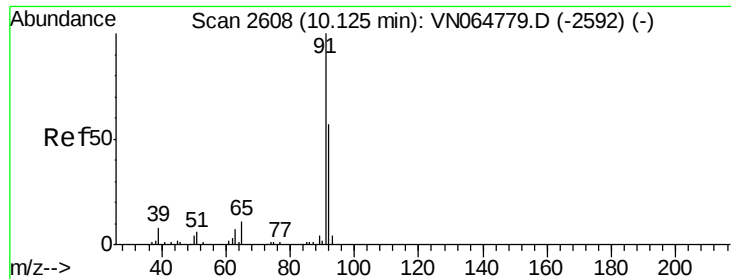
58 16.2 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 1.000 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

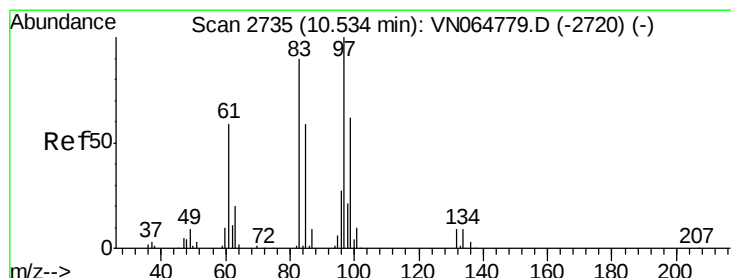
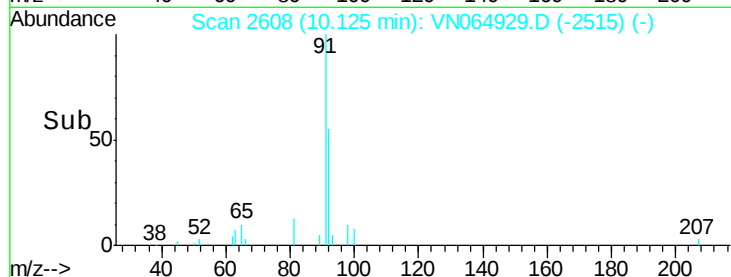
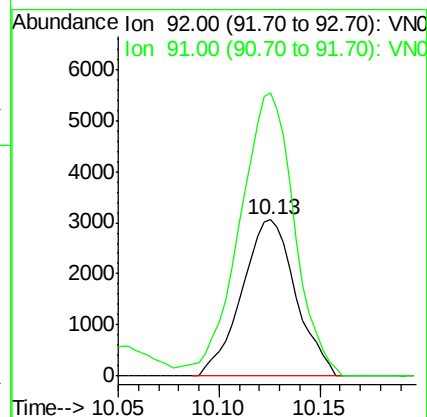
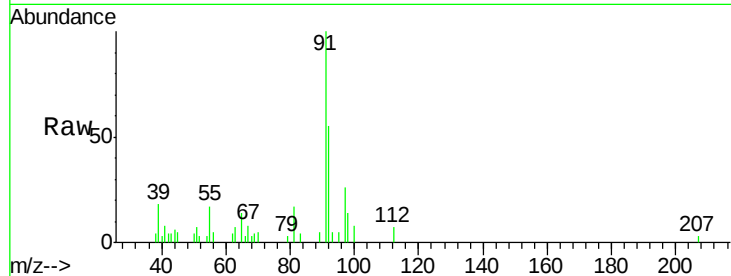
SS013-13-FD02-120120

Tot Ion: 92 Resp: 5713

Ion Ratio Lower Upper

92 100

91 184.0 139.1 208.7



#55

1,1,2-Trichloroethane

Concen: 27.570 ug/l

RT: 10.50 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Tgt Ion: 97 Resp: 64749

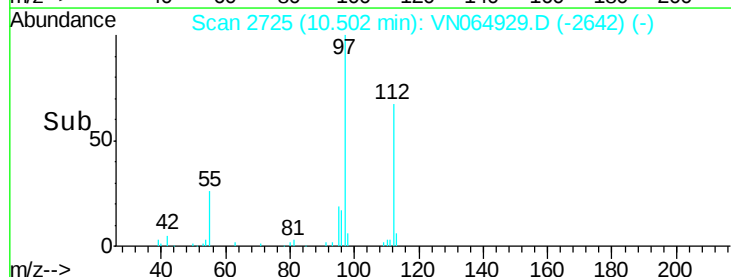
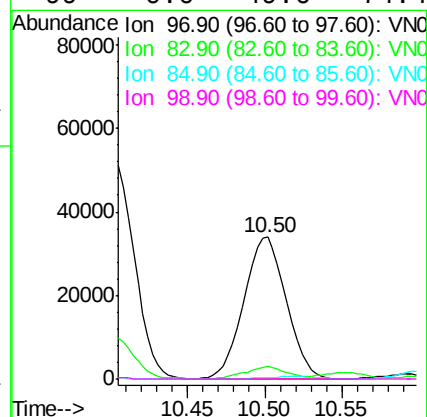
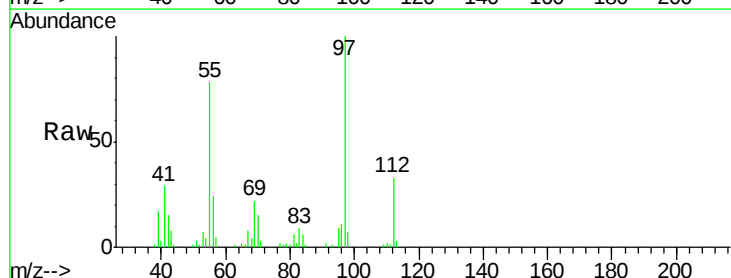
Ion Ratio Lower Upper

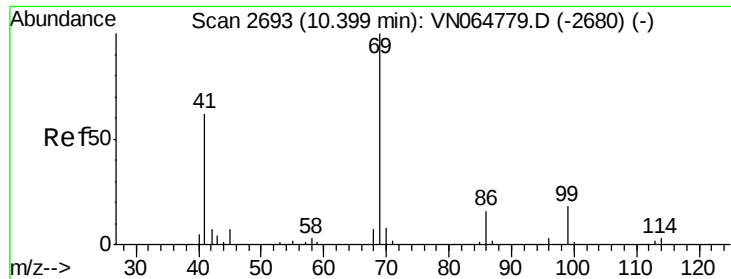
97 100

83 8.8 72.1 108.1#

85 0.9 46.8 70.2#

99 0.0 49.6 74.4#





#56

Ethyl methacrylate

Concen: 10.667 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120

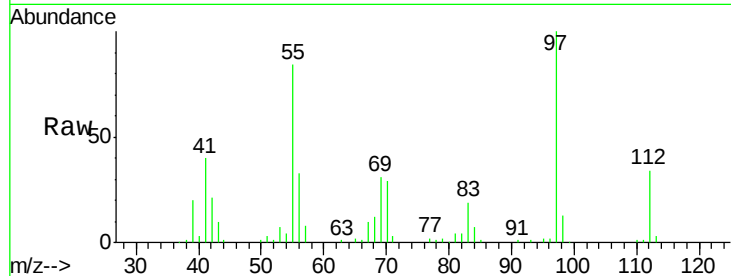
Tot Ion: 69 Resp: 34570

Ion Ratio Lower Upper

69 100

41 113.7 49.4 74.0#

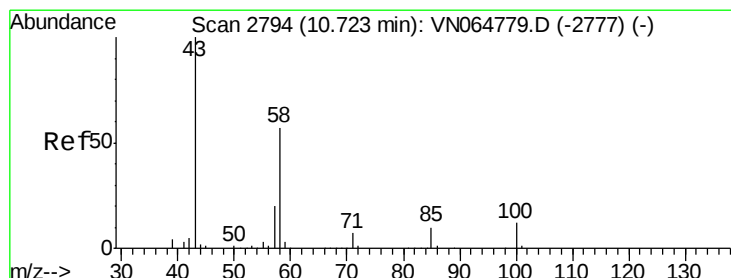
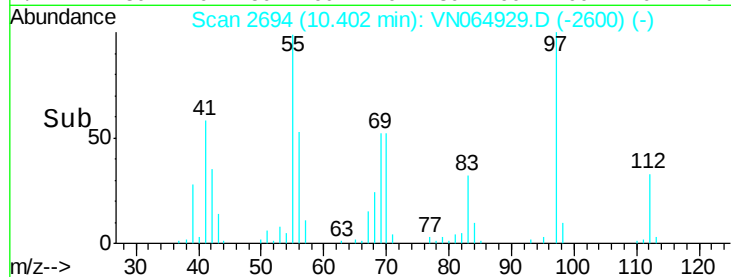
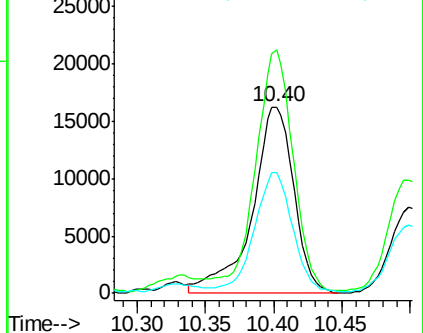
39 57.3 25.9 38.9#



Abundance Ion 69.00 (68.70 to 69.70): VN064779.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN064779.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-2680) (-)



#59

2-Hexanone

Concen: 5.111 ug/l

RT: 10.69 min Scan# 2783

Delta R.T. -0.04 min

Lab File: VN064929.D

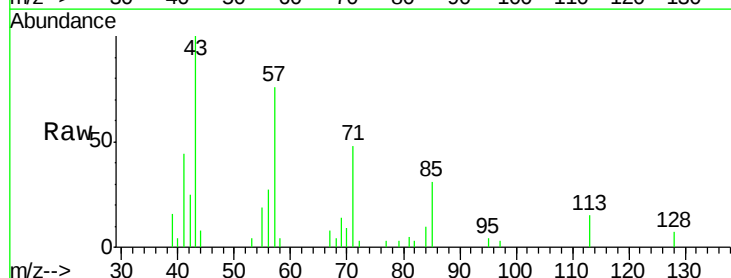
Acq: 4 Dec 2020 19:19

Tgt Ion: 43 Resp: 10358

Ion Ratio Lower Upper

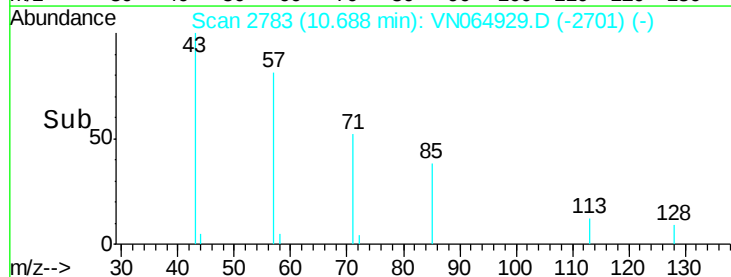
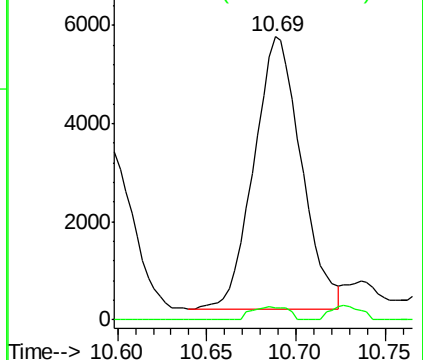
43 100

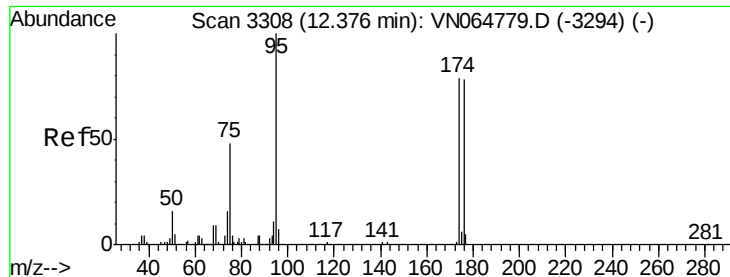
58 3.7 28.3 84.9#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2777) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2777) (-)

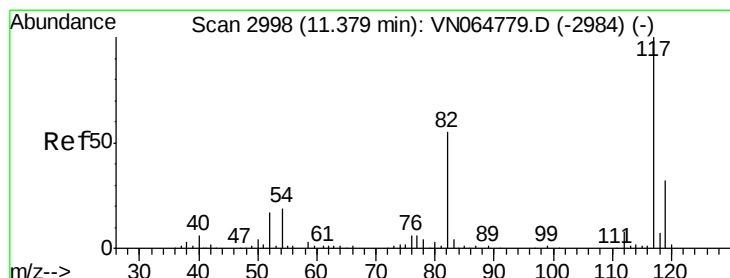
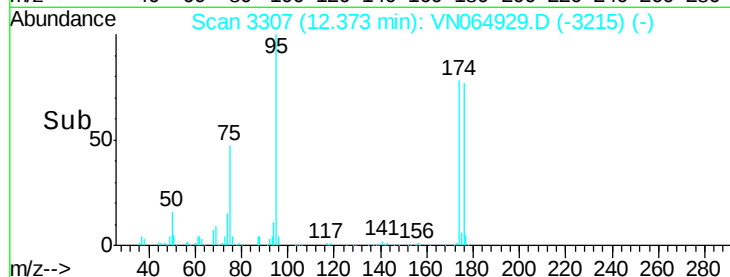
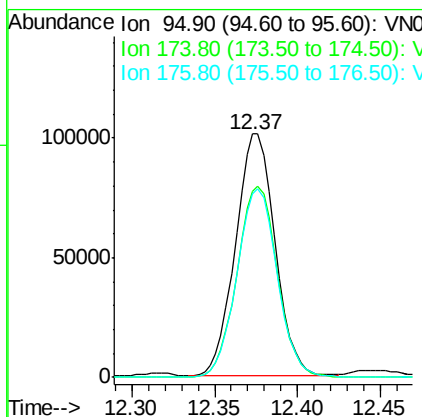
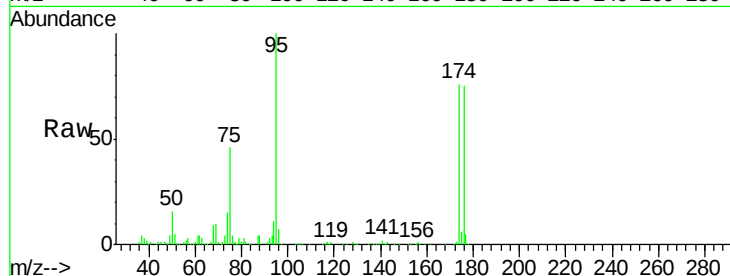




#62
4-Bromofluorobenzene
Concen: 58.776 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

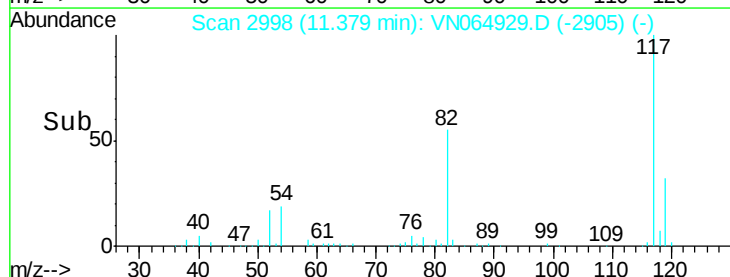
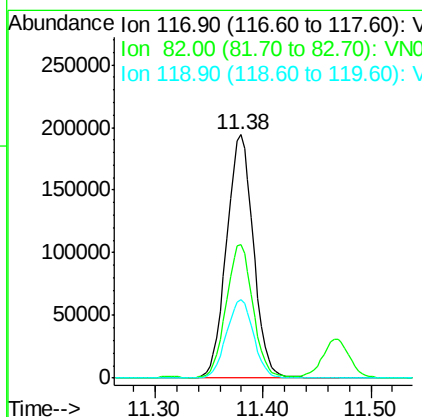
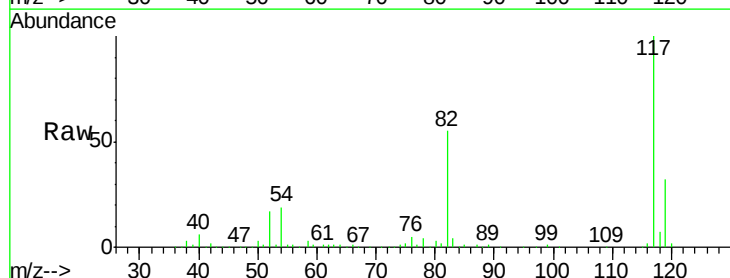
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120

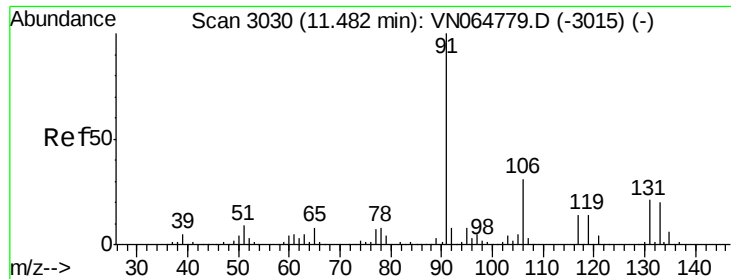
Tot Ion: 95 Resp: 167912
Ion Ratio Lower Upper
95 100
174 81.1 0.0 160.4
176 79.7 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

Tgt Ion: 117 Resp: 338272
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.3 25.8 38.6

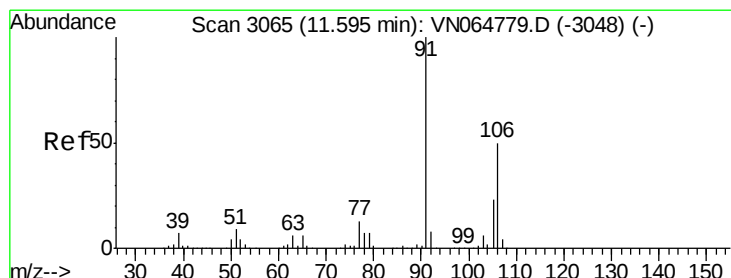
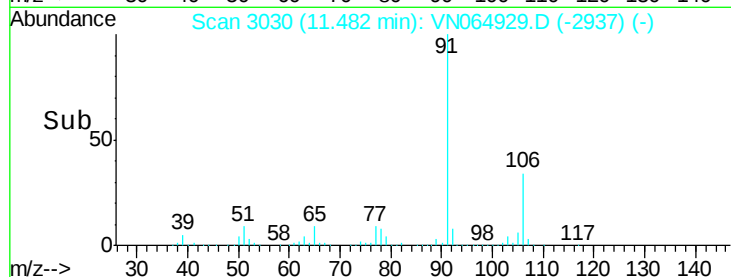
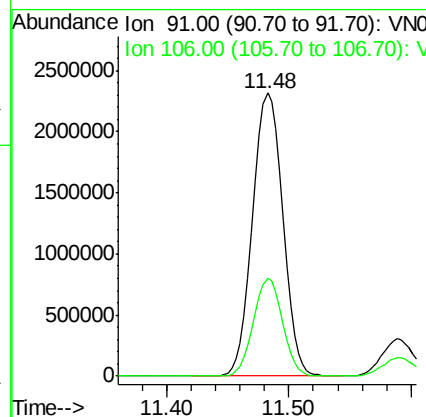
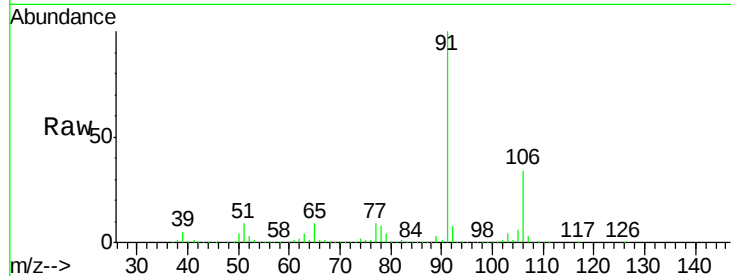




#67
Ethyl Benzene
Concen: 326.164 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

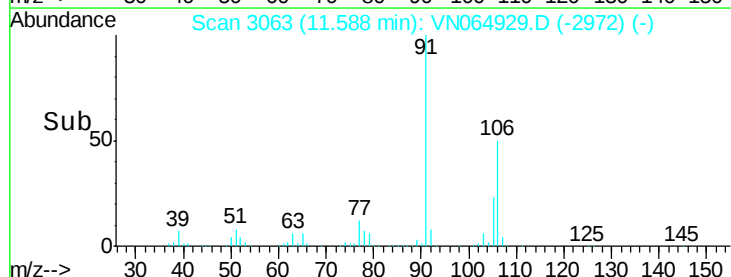
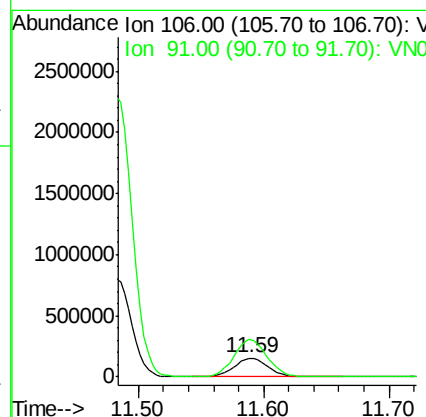
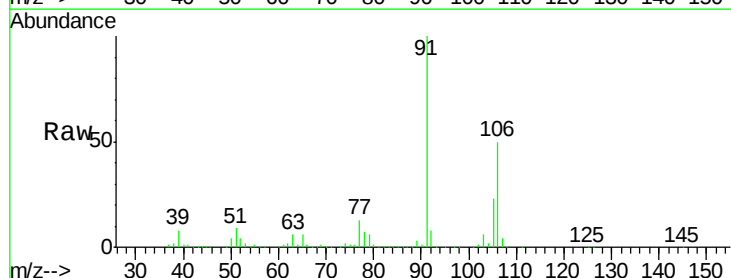
Instrument :
MSVOA_N
ClientSampleID :
SS013-13-FD02-120120

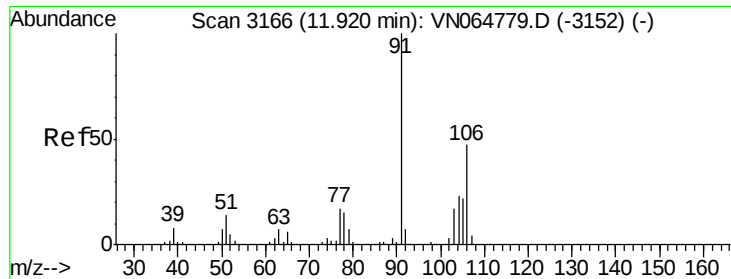
Tot Ion: 91 Resp: 3958162
Ion Ratio Lower Upper
91 100
106 34.4 25.2 37.8



#68
m/p-Xylenes
Concen: 61.430 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

Tgt Ion: 106 Resp: 282244
Ion Ratio Lower Upper
106 100
91 199.7 161.0 241.4

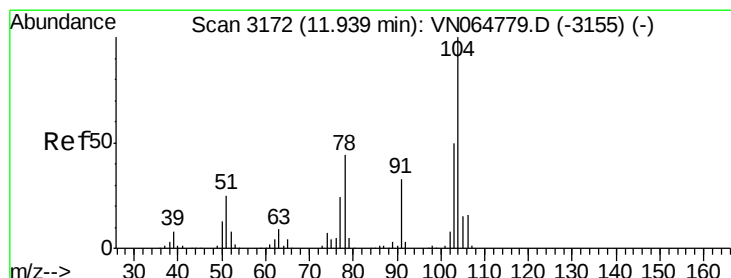
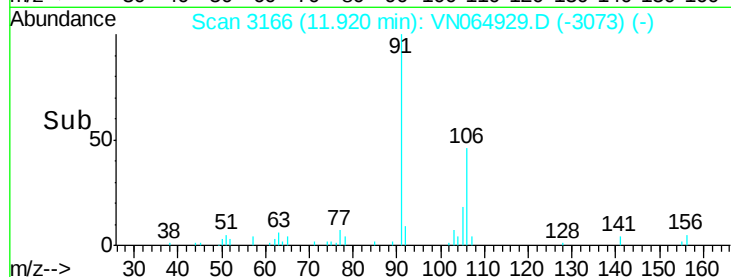
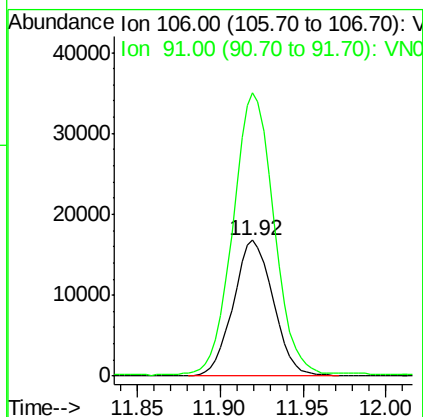
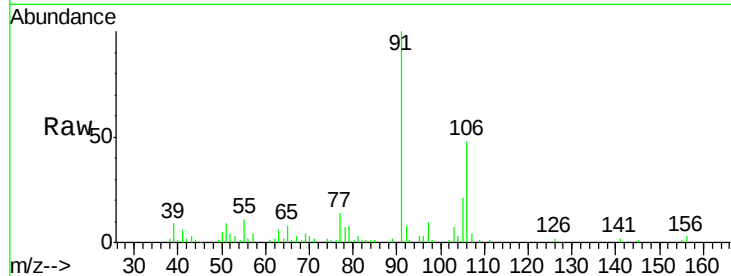




#69
o-Xylene
Concen: 6.462 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

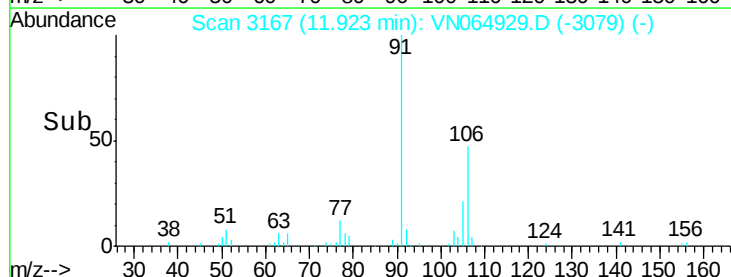
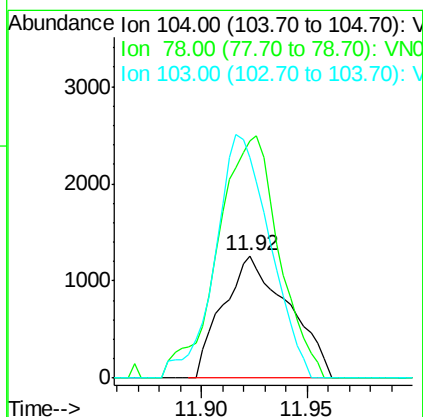
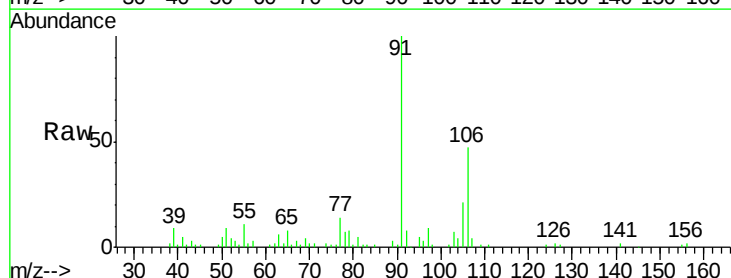
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120

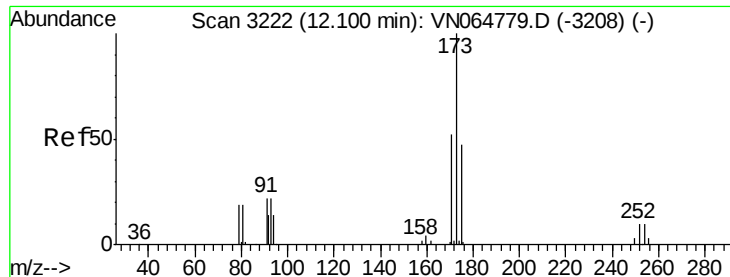
Tot Ion:106 Resp: 28175
Ion Ratio Lower Upper
106 100
91 218.2 105.5 316.5



#70
Styrene
Concen: 0.368 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.02 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

Tgt Ion:104 Resp: 2706
Ion Ratio Lower Upper
104 100
78 185.4 39.0 58.6#
103 166.6 44.3 66.5#





#71

Bromoform

Concen: 0.433 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120

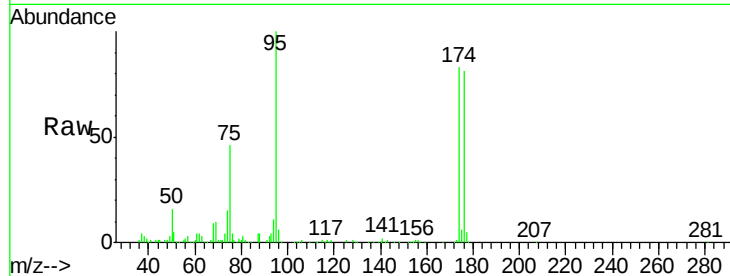
Tot Ion:173 Resp: 923

Ion Ratio Lower Upper

173 100

175 945.3 24.3 72.8#

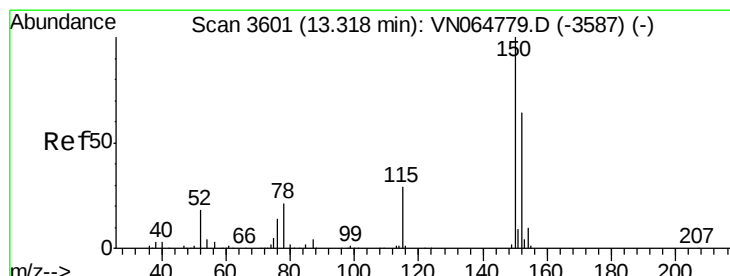
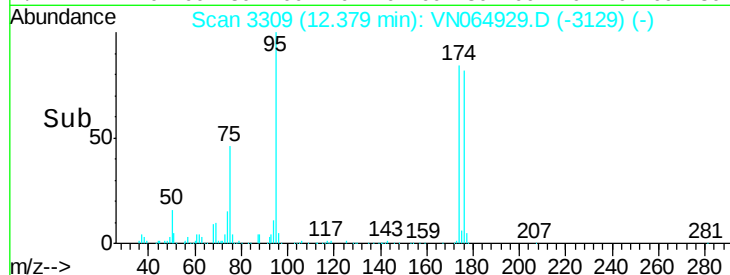
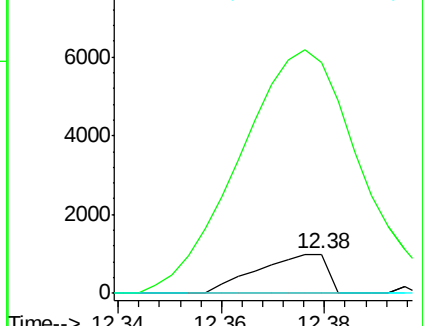
254 0.0 0.0 0.0



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# 3600

Delta R.T. -0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

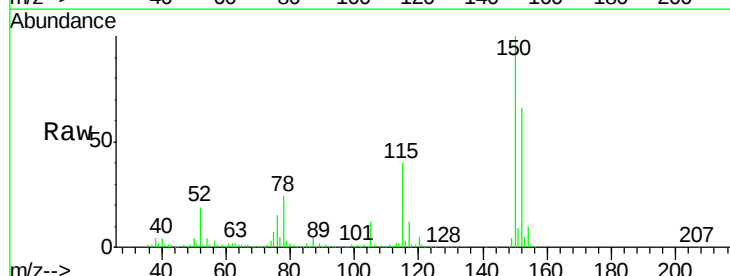
Tgt Ion:152 Resp: 169213

Ion Ratio Lower Upper

152 100

115 62.4 29.7 89.1

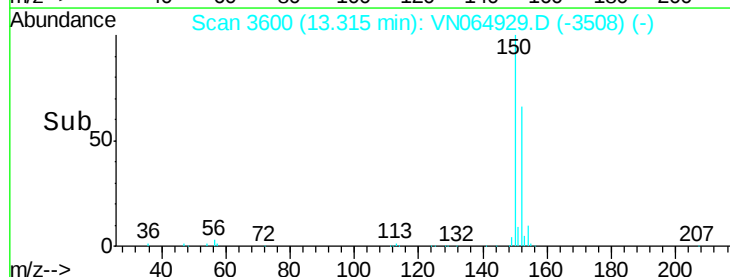
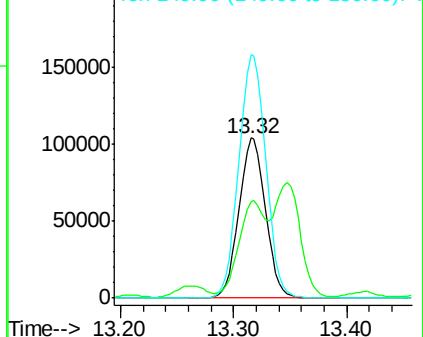
150 156.2 0.0 350.6

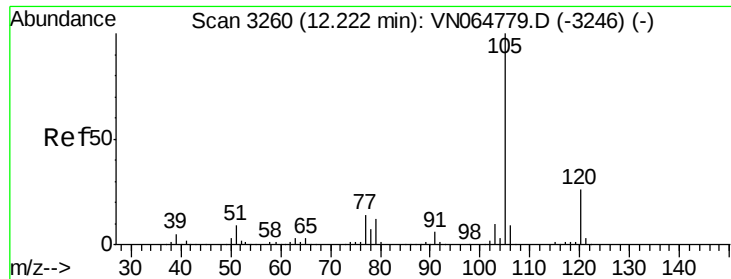


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 66.022 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

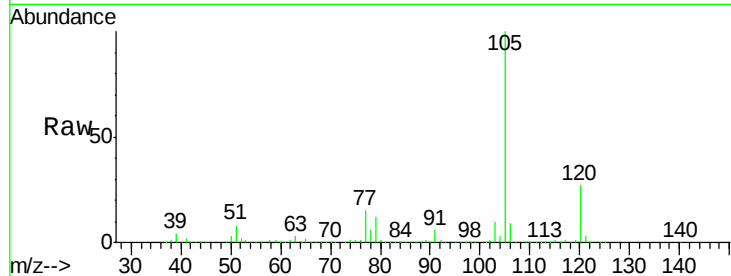
SS013-13-FD02-120120

Tot Ion:105 Resp: 777071

Ion Ratio Lower Upper

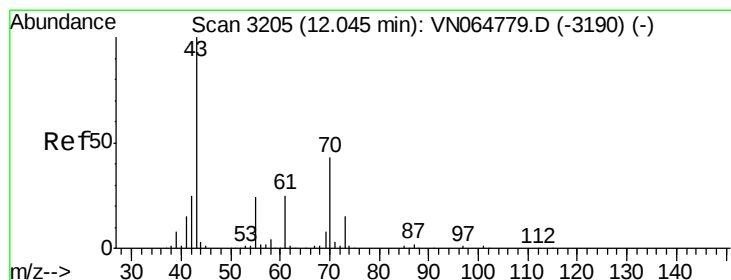
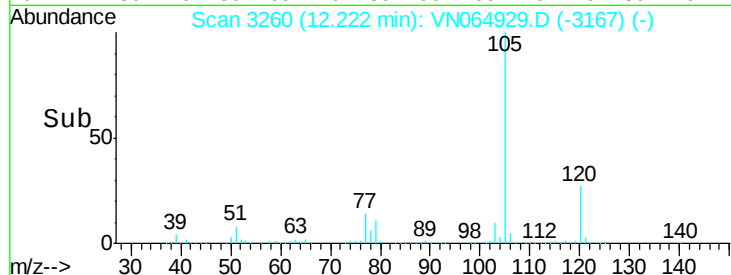
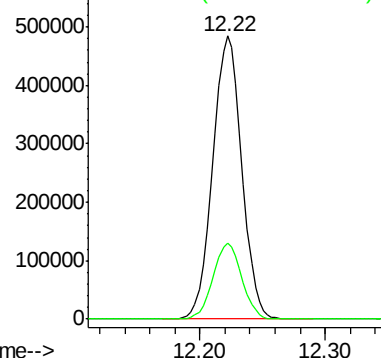
105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.552 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Tgt Ion: 43 Resp: 2556

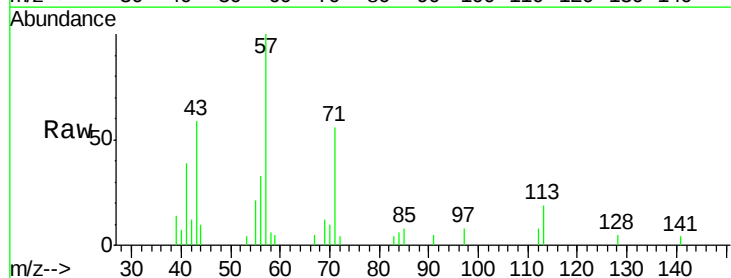
Ion Ratio Lower Upper

43 100

70 14.4 34.5 51.7#

55 0.0 20.4 30.6#

61 0.0 20.0 30.0#

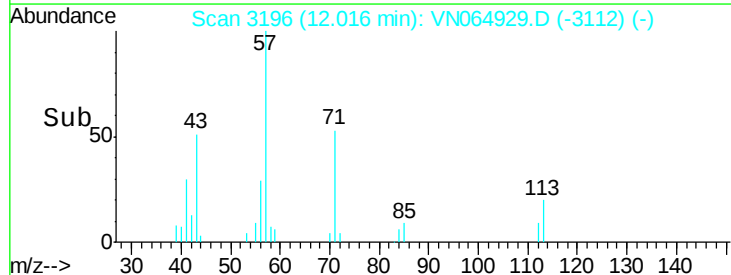
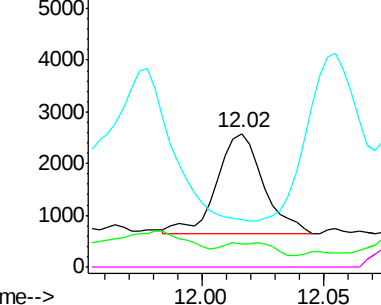


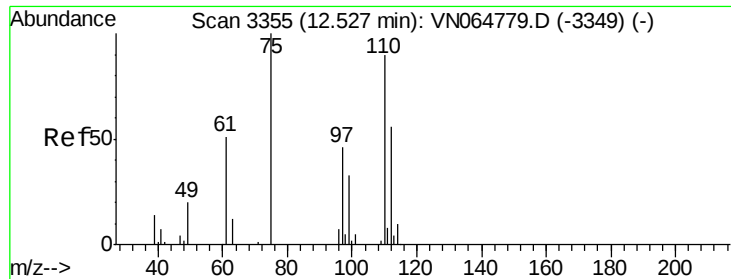
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 1.599 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.04 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

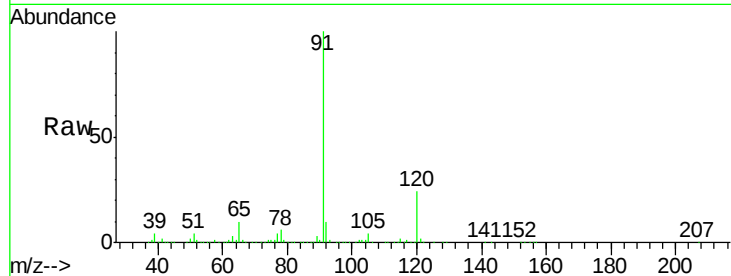
SS013-13-FD02-120120

Tot Ion: 75 Resp: 5827

Ion Ratio Lower Upper

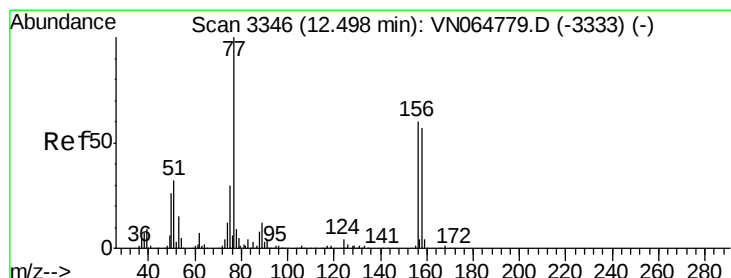
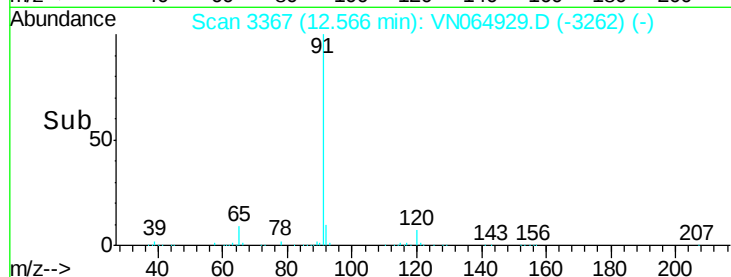
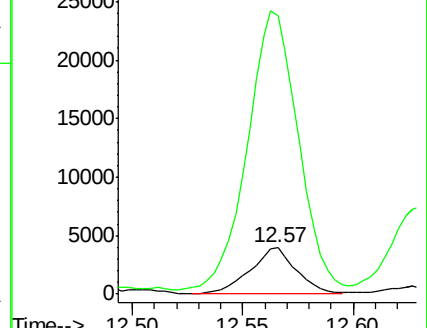
75 100

77 646.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3349) (-)



#77

Bromobenzene

Concen: 1.771 ug/l

RT: 12.40 min Scan# 3314

Delta R.T. -0.10 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

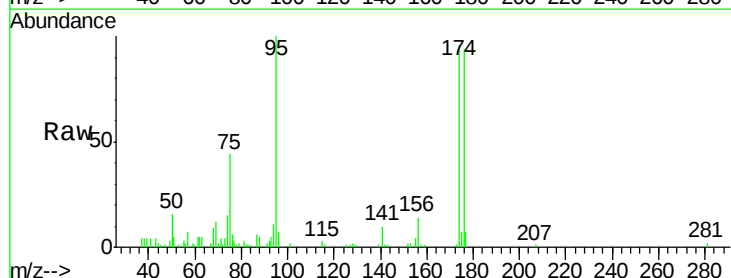
Tgt Ion: 156 Resp: 5621

Ion Ratio Lower Upper

156 100

77 0.0 101.3 303.7#

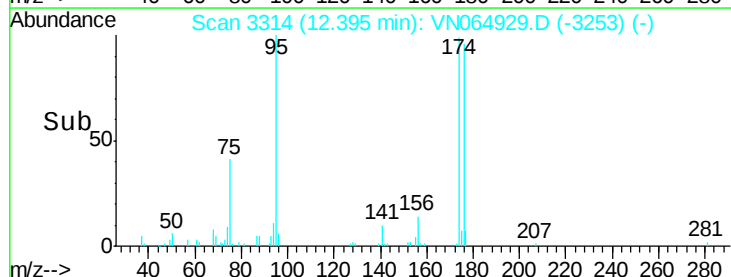
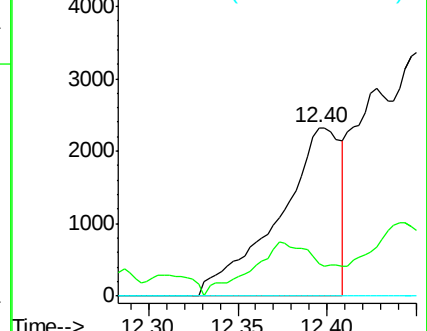
158 0.0 48.2 144.6#

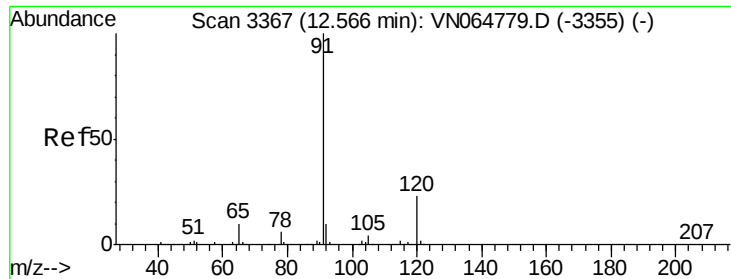


Abundance Ion 155.80 (155.50 to 156.50): VN064779.D (-3333) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3333) (-)

Ion 157.80 (157.50 to 158.50): VN064779.D (-3333) (-)





#78

n-propylbenzene

Concen: 74.927 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

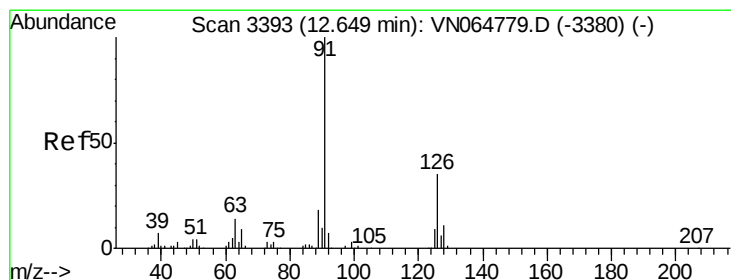
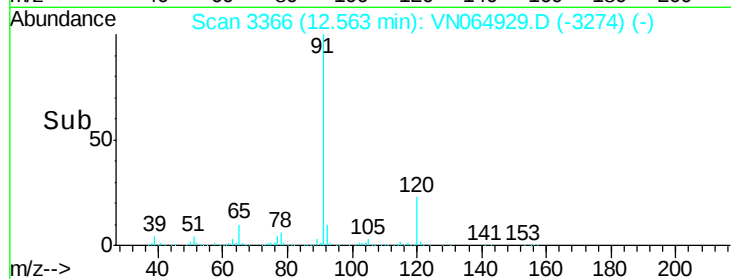
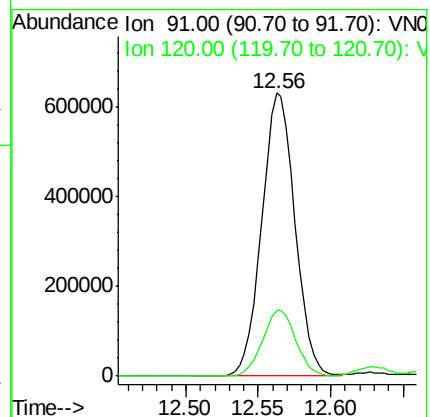
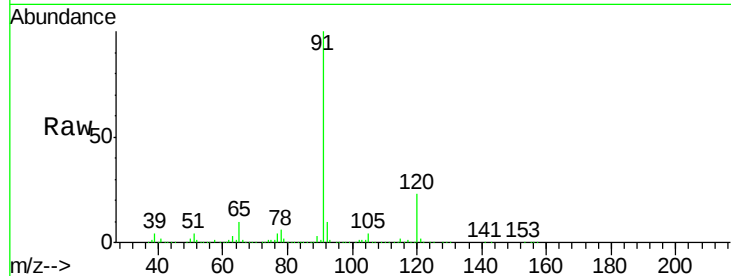
SS013-13-FD02-120120

Tot Ion: 91 Resp: 1004642

Ion Ratio Lower Upper

91 100

120 23.5 11.6 34.7



#79

2-Chlorotoluene

Concen: 4.649 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.06 min

Lab File: VN064929.D

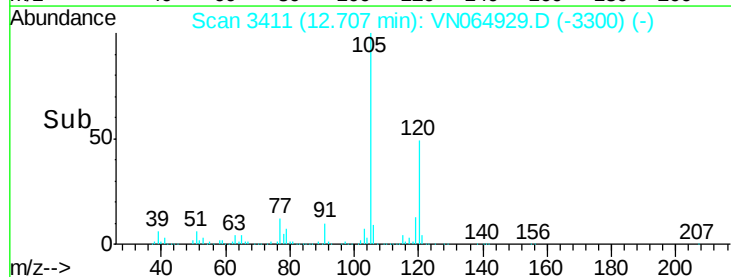
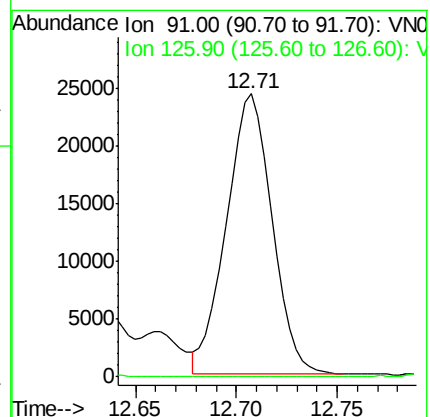
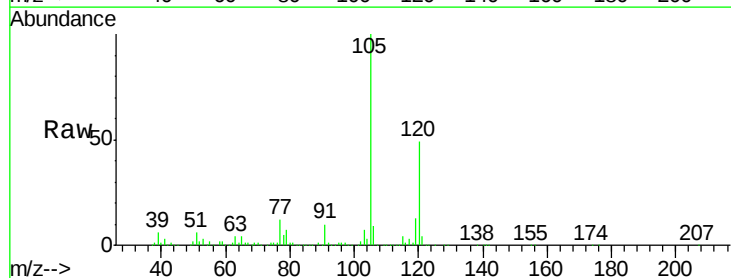
Acq: 4 Dec 2020 19:19

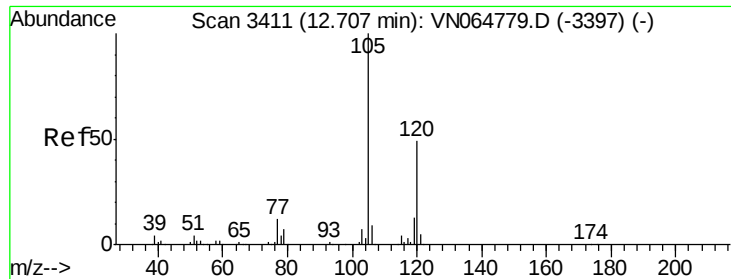
Tgt Ion: 91 Resp: 38531

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#

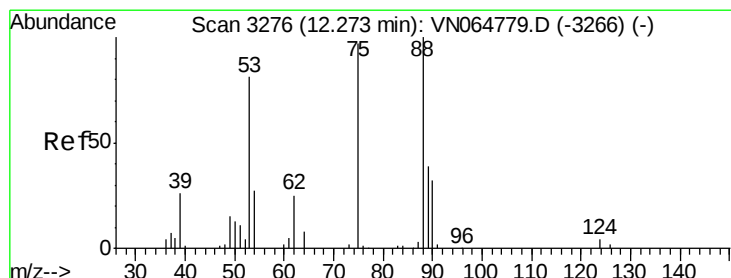
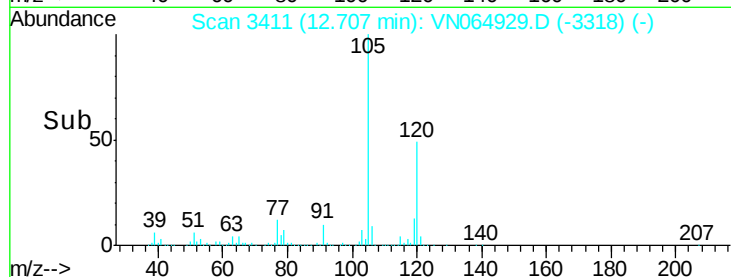
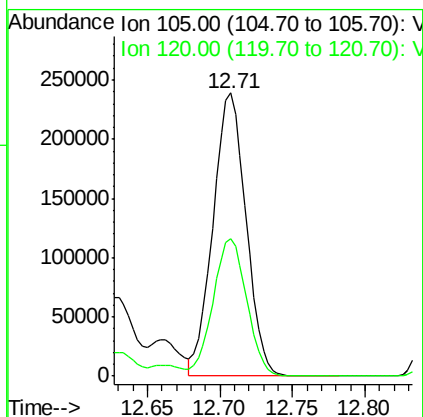
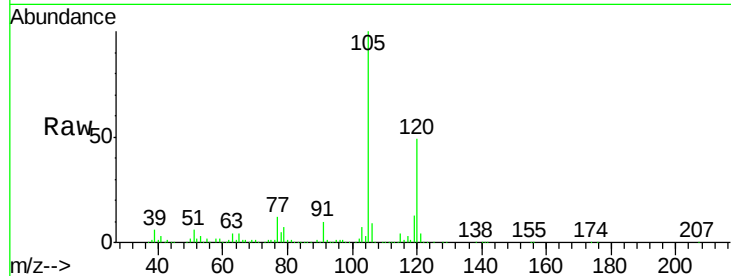




#80
 1,3,5-Trimethylbenzene
 Concen: 38.668 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064929.D
 Acq: 4 Dec 2020 19:19

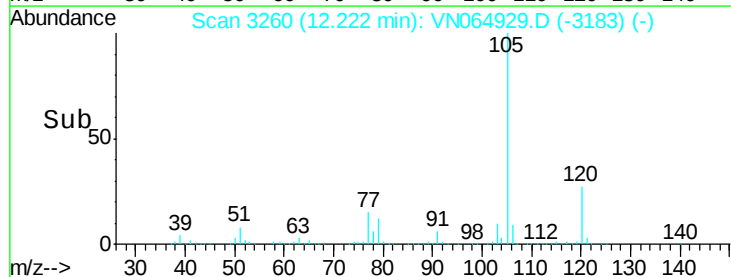
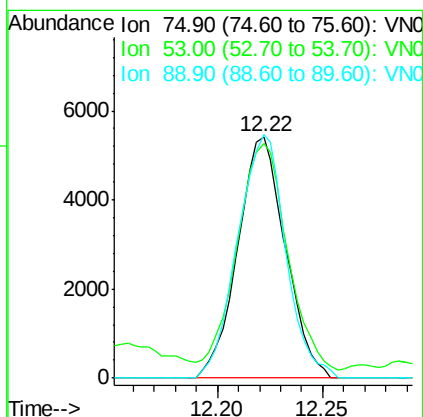
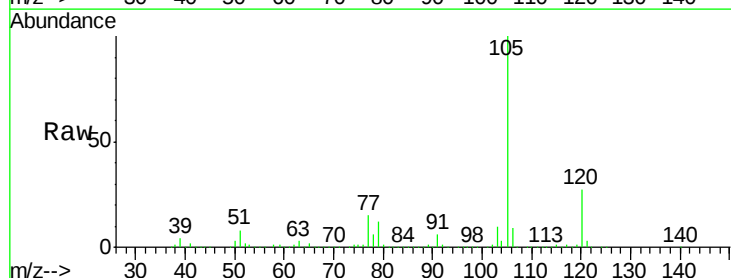
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-FD02-120120

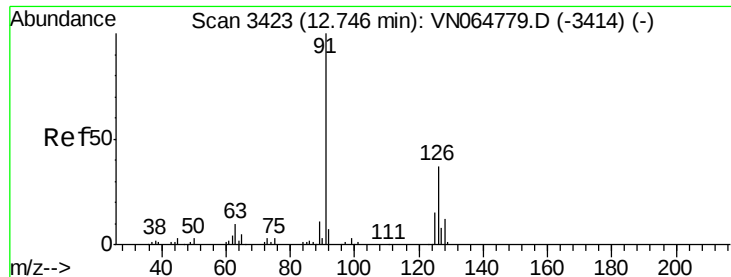
Tot Ion:105 Resp: 378296
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 6.391 ug/l
 RT: 12.22 min Scan# 3260
 Delta R.T. -0.05 min
 Lab File: VN064929.D
 Acq: 4 Dec 2020 19:19

Tgt Ion: 75 Resp: 8497
 Ion Ratio Lower Upper
 75 100
 53 98.3 67.0 100.4
 89 102.1 39.6 59.4#





#82

4-Chlorotoluene

Concen: 4.435 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.04 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

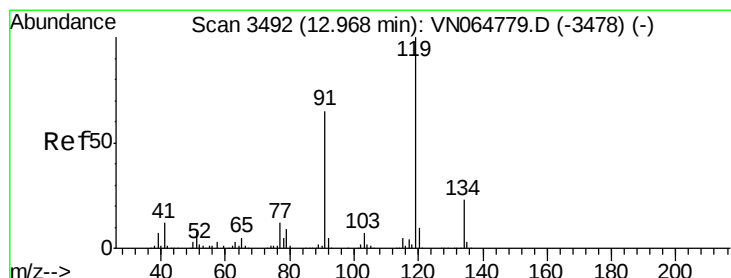
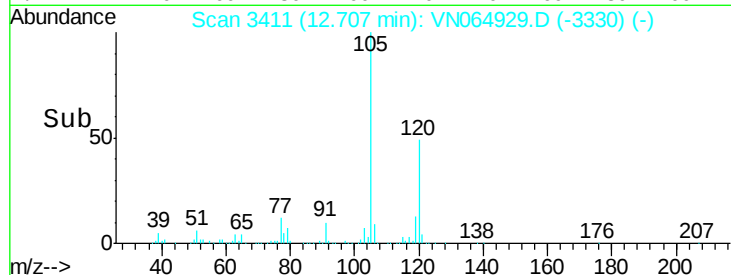
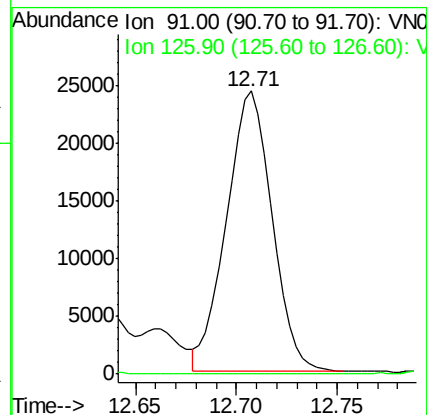
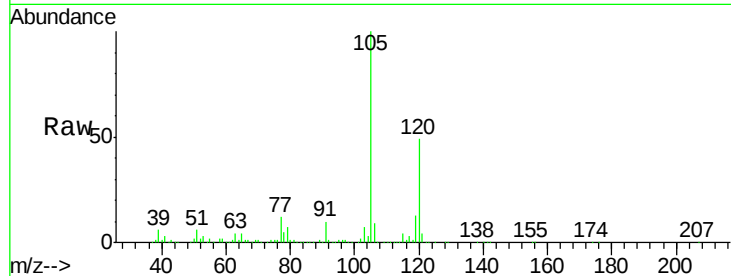
SS013-13-FD02-120120

Tot Ion: 91 Resp: 38531

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.7#



#83

tert-Butylbenzene

Concen: 90.230 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.05 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

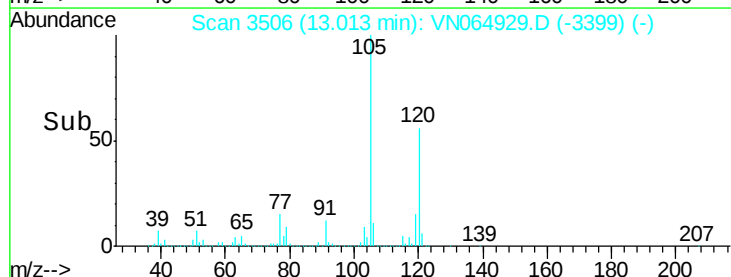
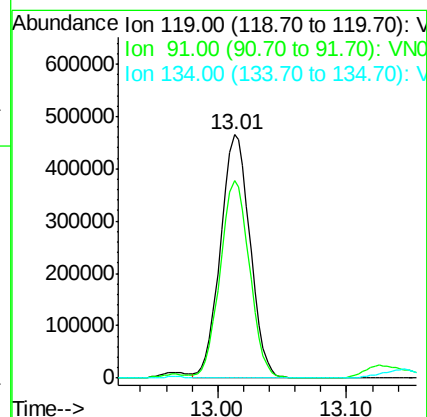
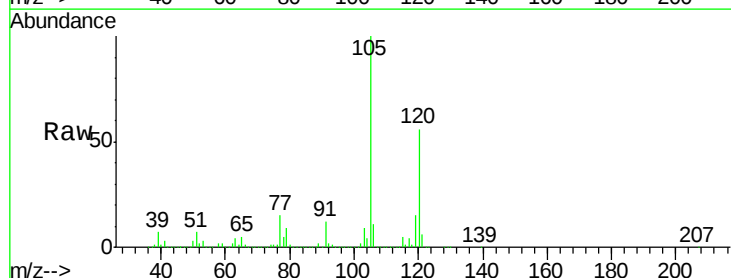
Tgt Ion: 119 Resp: 739898

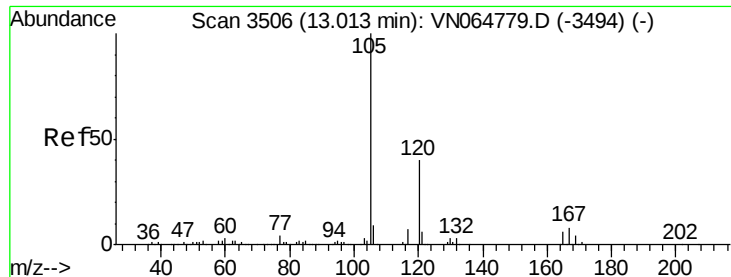
Ion Ratio Lower Upper

119 100

91 80.7 32.3 96.8

134 0.0 12.6 37.6#

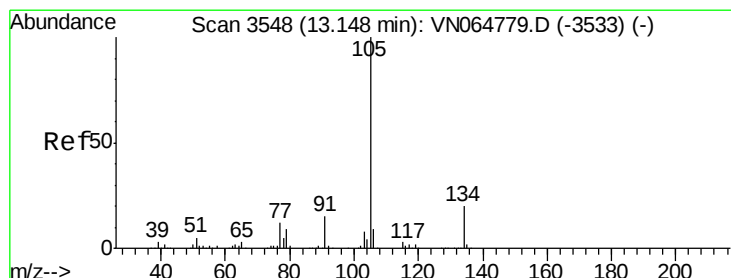
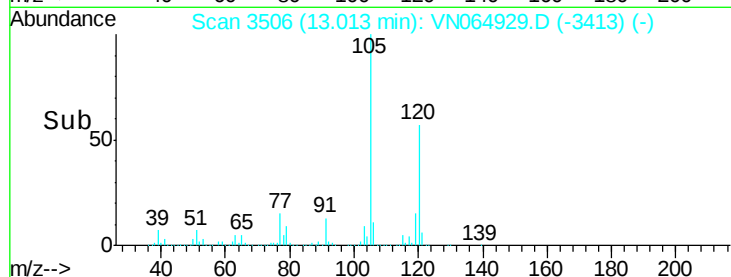
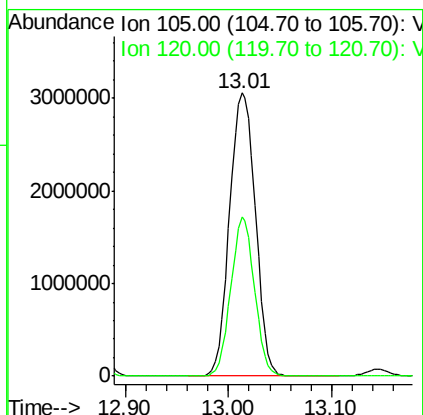
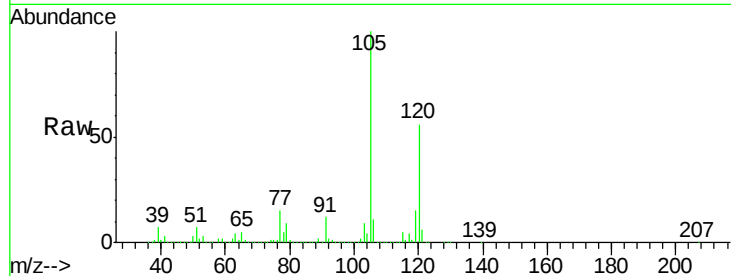




#84
 1,2,4-Trimethylbenzene
 Concen: 539.363 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064929.D
 Acq: 4 Dec 2020 19:19

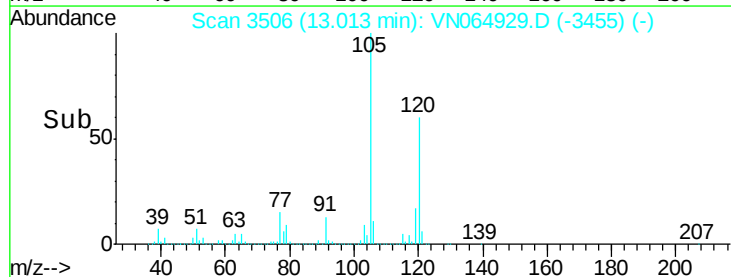
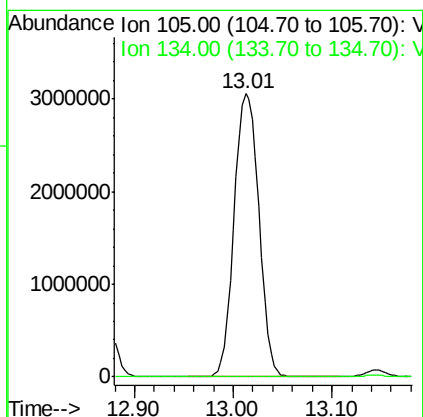
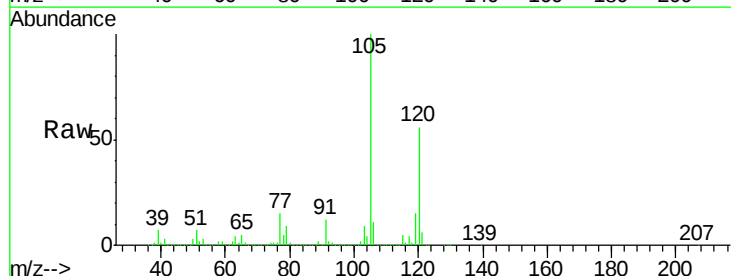
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-FD02-120120

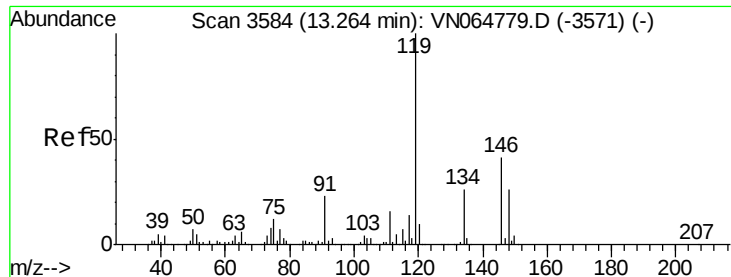
Tot Ion:105 Resp: 5335073
 Ion Ratio Lower Upper
 105 100
 120 51.5 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 489.979 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.14 min
 Lab File: VN064929.D
 Acq: 4 Dec 2020 19:19

Tgt Ion:105 Resp: 5334695
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#

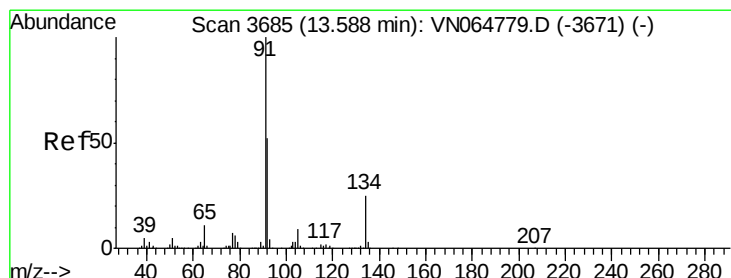
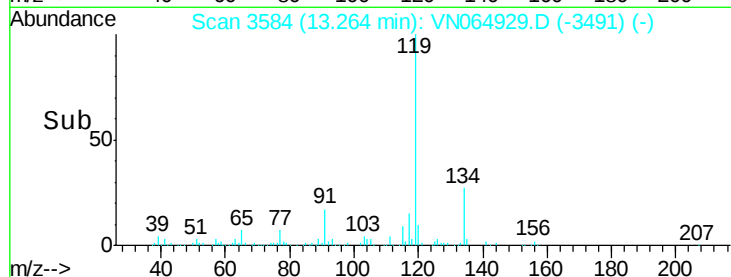
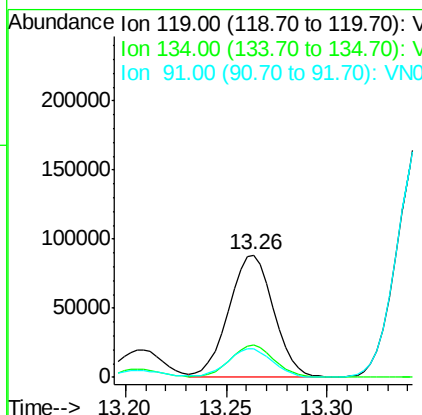
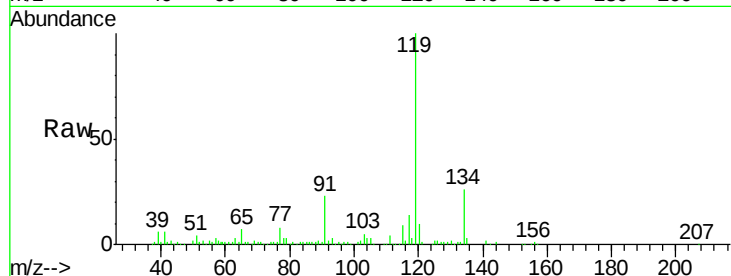




#86
p-Isopropyltoluene
Concen: 13.798 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

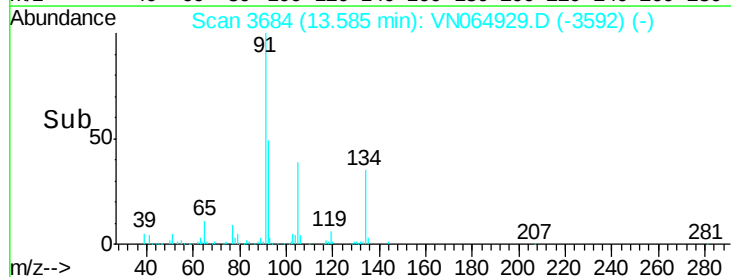
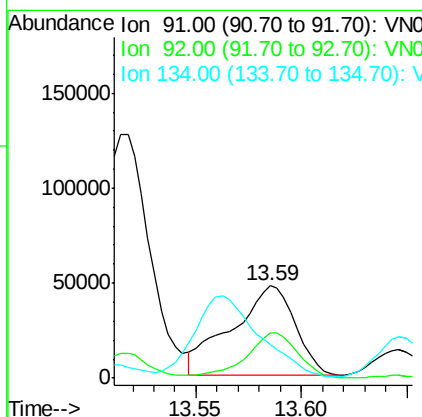
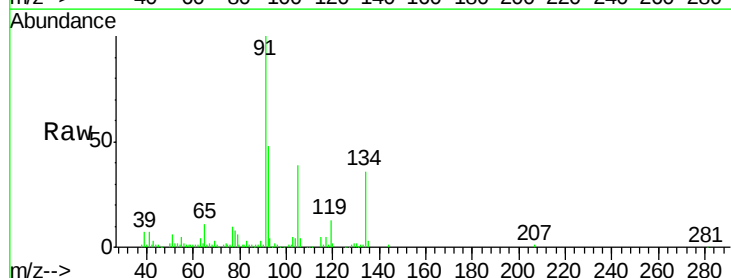
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120

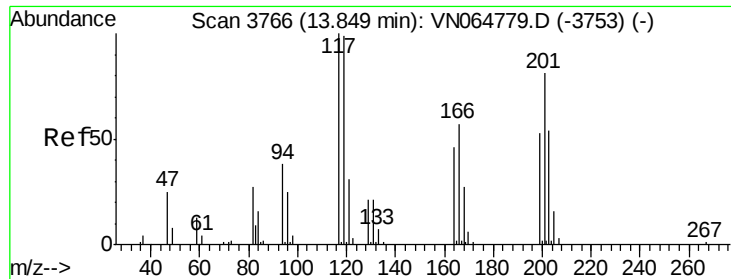
Tot Ion:119 Resp: 136774
Ion Ratio Lower Upper
119 100
134 26.1 13.1 39.1
91 22.7 11.5 34.5



#89
n-Butylbenzene
Concen: 11.327 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

Tgt Ion: 91 Resp: 98604
Ion Ratio Lower Upper
91 100
92 39.9 26.0 78.0
134 0.0 12.9 38.6#





#90

Hexachloroethane

Concen: 24.683 ug/l

RT: 13.86 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

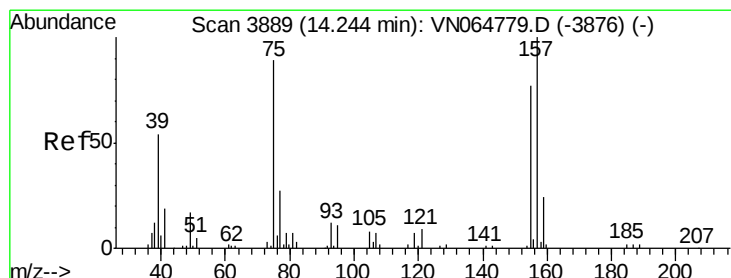
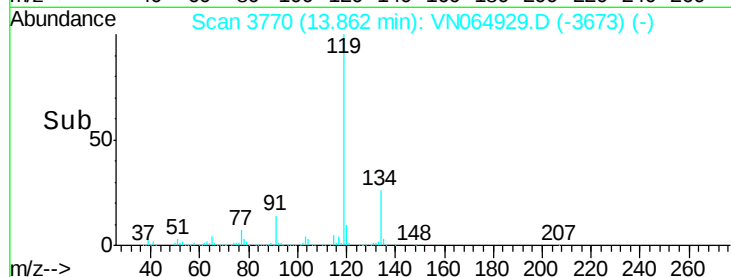
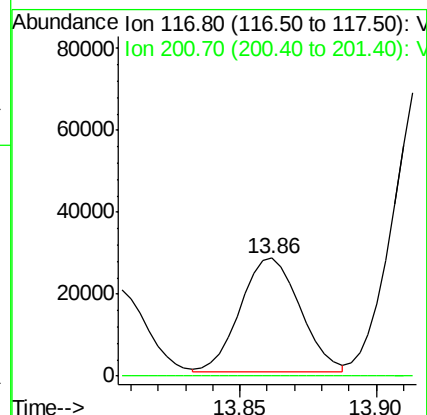
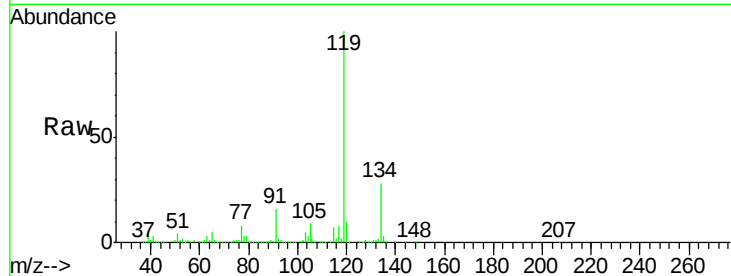
SS013-13-FD02-120120

Tot Ion:117 Resp: 42503

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.660 ug/l

RT: 14.26 min Scan# 3894

Delta R.T. 0.02 min

Lab File: VN064929.D

Acq: 4 Dec 2020 19:19

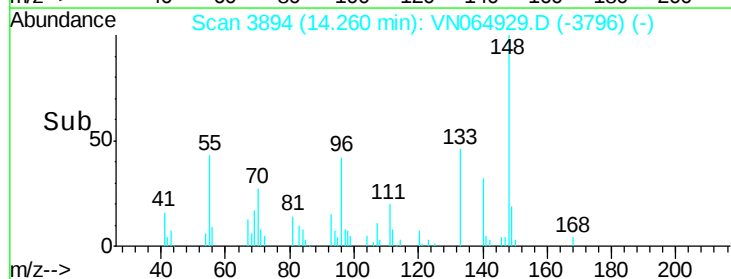
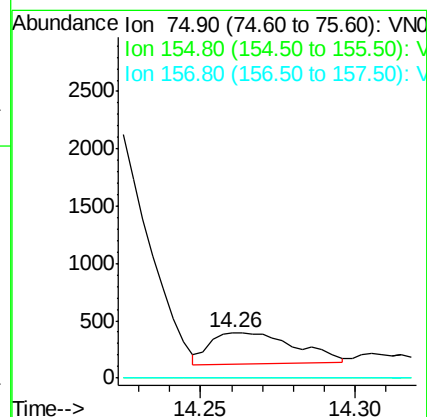
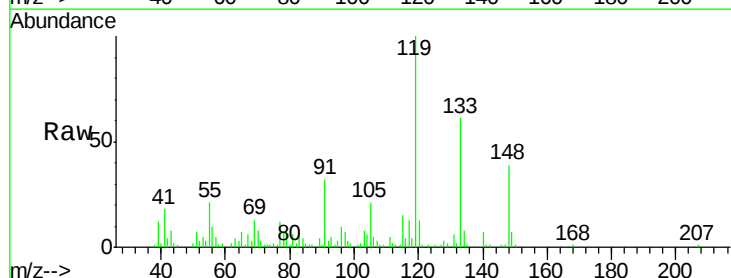
Tgt Ion: 75 Resp: 512

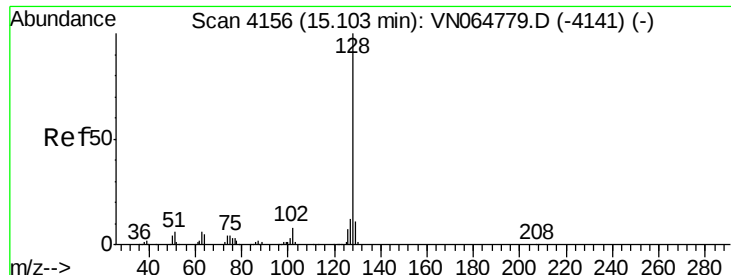
Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.3#

157 0.0 56.4 169.1#





#95
Naphthalene
Concen: 220.457 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064929.D
Acq: 4 Dec 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120

Tot Ion:128 Resp: 2261654
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 10.9 8.7 13.1

