

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064928.D
 Acq On : 4 Dec 2020 18:54
 Operator : JC/MD
 Sample : L4954-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6712-120120

Quant Time: Dec 05 01:34:13 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	7.62	168	190577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	322113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	335779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	171374	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	107816	48.66	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.32%		
35) Dibromofluoromethane	7.55	113	99298	51.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.04%		
50) Toluene-d8	10.06	98	424236	53.87	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.74%		
62) 4-Bromofluorobenzene	12.37	95	166810	59.19	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	118.38%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.75	56	22671	107.419	ug/l #	78
14) Allyl chloride	4.36	41	2280	0.748	ug/l #	26
15) Acrylonitrile	4.99	53	18958	19.861	ug/l #	33
16) Acetone	3.76	43	62778	86.195	ug/l #	53
18) Methyl Acetate	4.49	43	129916	59.329	ug/l #	50
20) Methylene Chloride	4.48	84	1218	0.534	ug/l #	1
25) 2-Butanone	6.78	43	6667	5.647	ug/l #	49
26) 2,2-Dichloropropane	6.59	77	7154	2.262	ug/l #	52
29) Tetrahydrofuran	7.34	42	1991	2.443	ug/l #	1
31) Cyclohexane	7.61	56	643123	208.266	ug/l	96
36) 1,1-Dichloropropene	7.62	75	13221	4.428	ug/l #	50
37) Ethyl Acetate	6.78	43	6667	2.318	ug/l #	66
38) Carbon Tetrachloride	7.62	117	16885	5.435	ug/l #	16
39) Methylcyclohexane	9.05	83	574860	178.857	ug/l	97
40) Benzene	8.01	78	8556	0.935	ug/l #	90
41) Methacrylonitrile	7.29	41	762	0.574	ug/l #	30
43) Isopropyl Acetate	8.11	43	53468	11.554	ug/l #	59
45) 1,2-Dichloropropane	9.05	63	5652	2.385	ug/l #	1
47) Bromodichloromethane	9.34	83	3057	0.960	ug/l #	24
48) Methyl methacrylate	9.11	41	7409	3.350	ug/l #	12
51) 4-Methyl-2-Pentanone	10.05	43	15066	5.423	ug/l #	72
52) Toluene	10.12	92	6251	1.109	ug/l	89
55) 1,1,2-Trichloroethane	10.50	97	62900	27.148	ug/l #	18
56) Ethyl methacrylate	10.40	69	35179	11.003	ug/l #	44
59) 2-Hexanone	10.69	43	10603	5.303	ug/l #	28
67) Ethyl Benzene	11.48	91	4002632	332.277	ug/l	95
68) m/p-Xylenes	11.59	106	271190	59.462	ug/l	99
69) o-Xylene	11.92	106	27775	6.418	ug/l	94
70) Styrene	11.92	104	2334	0.319	ug/l #	1
73) Isopropylbenzene	12.22	105	771882	64.754	ug/l	100
74) N-amyl acetate	12.02	43	2910	0.620	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.45	83	2253	0.645	ug/l #	26
76) 1,2,3-Trichloropropane	12.56	75	6118	1.658	ug/l #	100
78) n-propylbenzene	12.56	91	1016115	74.827	ug/l	99

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

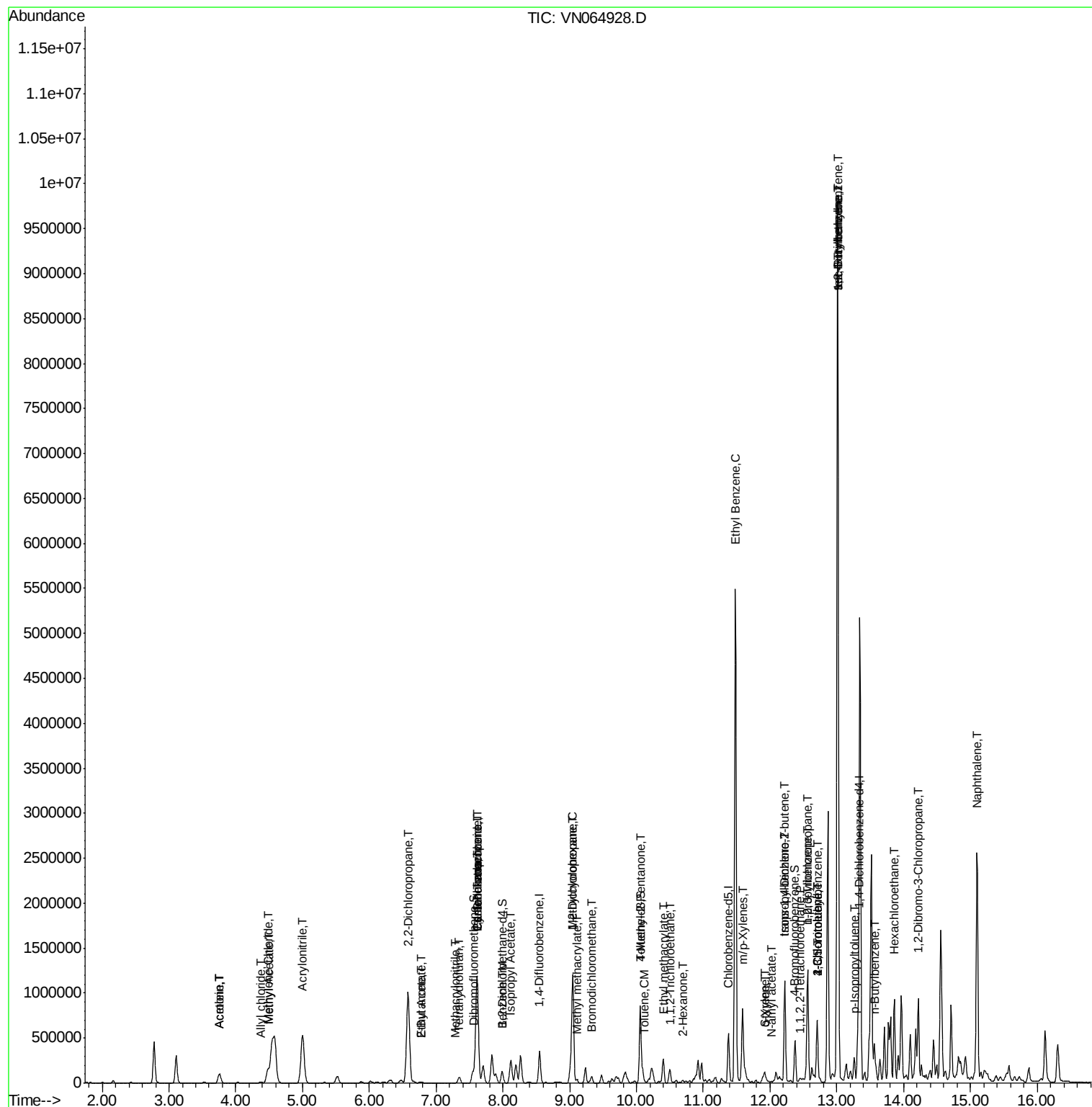
79) 2-Chlorotoluene	12.71	91	37998	4.527	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.71	105	379923	38.345	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.22	75	7929	5.888	ug/l #	50
82) 4-Chlorotoluene	12.71	91	37998	4.319	ug/l #	41
83) tert-Butylbenzene	13.01	119	766806	92.332	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.01	105	5450221	544.057	ug/l	91
85) sec-Butylbenzene	13.01	105	5449906	494.249	ug/l #	56
86) p-Isopropyltoluene	13.26	119	140647	14.010	ug/l	100
89) n-Butylbenzene	13.59	91	101376	11.499	ug/l #	72
90) Hexachloroethane	13.86	117	44350	25.430	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.22	75	3426	4.358	ug/l #	1
95) Naphthalene	15.10	128	2260220	217.539	ug/l	99

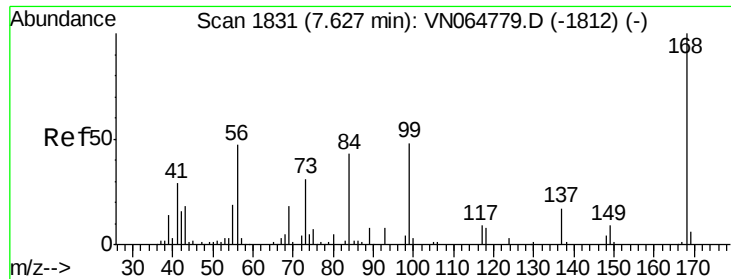
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

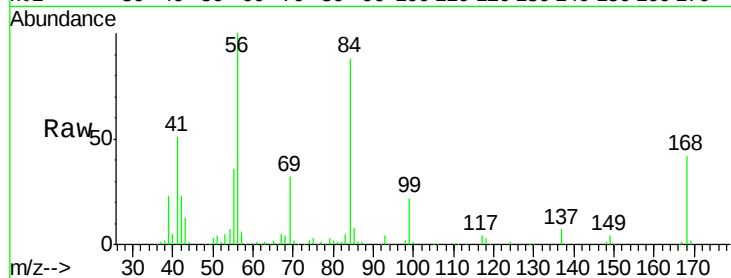
SS013-13-6712-120120

Tot Ion:168 Resp: 190577

Ion Ratio Lower Upper

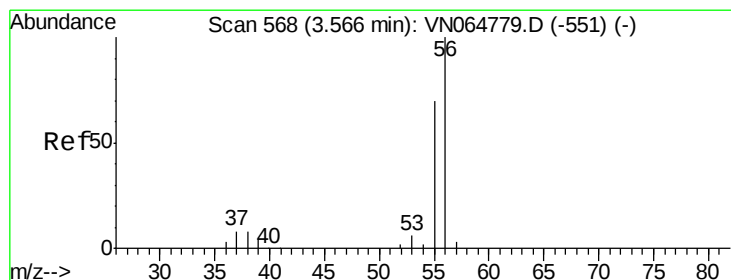
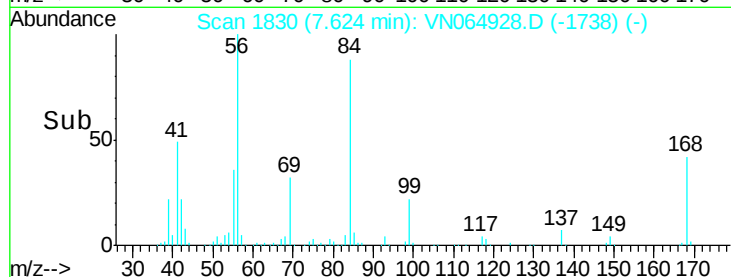
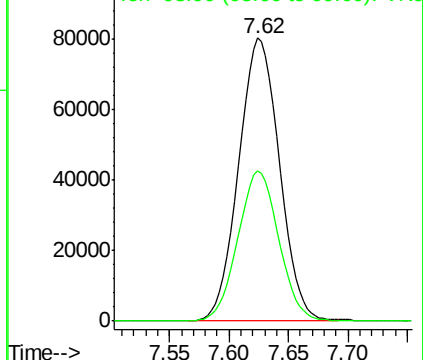
168 100

99 53.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 107.419 ug/l

RT: 3.75 min Scan# 625

Delta R.T. 0.18 min

Lab File: VN064928.D

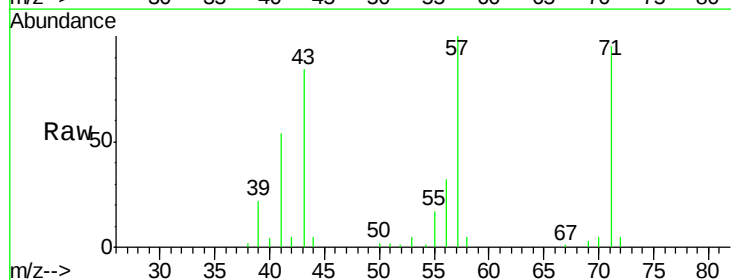
Acq: 4 Dec 2020 18:54

Tgt Ion: 56 Resp: 22671

Ion Ratio Lower Upper

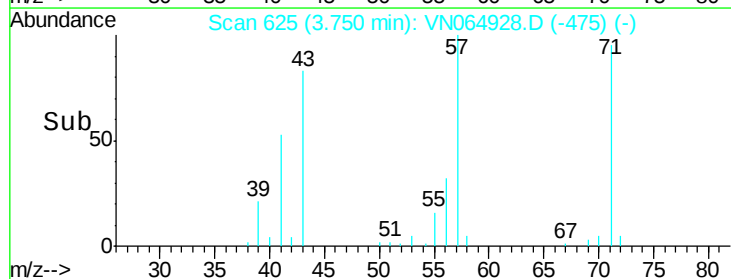
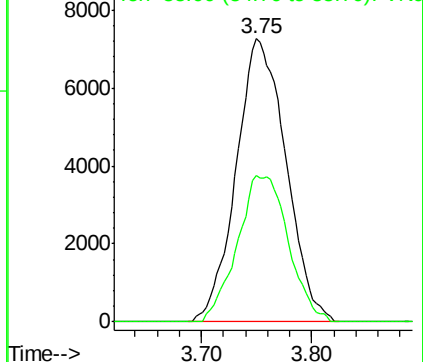
56 100

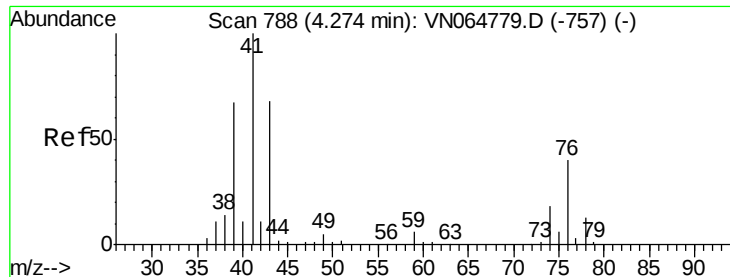
55 52.8 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN





#14

Allvl chloride

Concen: 0.748 ug/l

RT: 4.36 min Scan# 814

Delta R.T. 0.08 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120

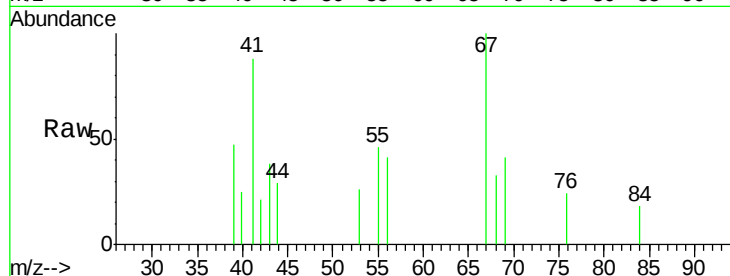
Tot Ion: 41 Resp: 2280

Ion Ratio Lower Upper

41 100

39 0.0 50.9 76.3#

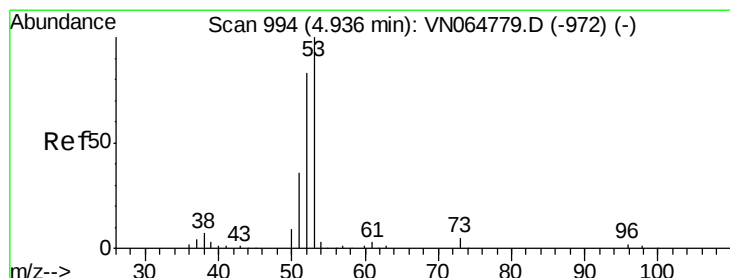
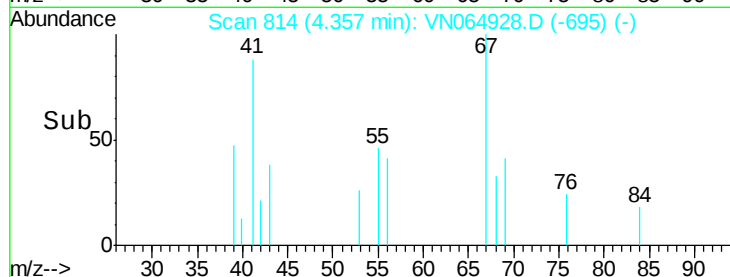
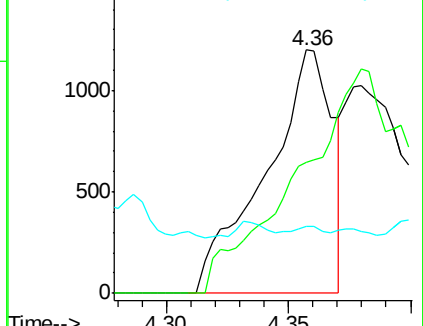
76 0.0 29.0 43.4#



Abundance Ion 41.00 (40.70 to 41.70): VN064928.D (-814) (-)

Ion 39.00 (38.70 to 39.70): VN064928.D (-814) (-)

Ion 75.90 (75.60 to 76.60): VN064928.D (-814) (-)



#15

Acrylonitrile

Concen: 19.861 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.06 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

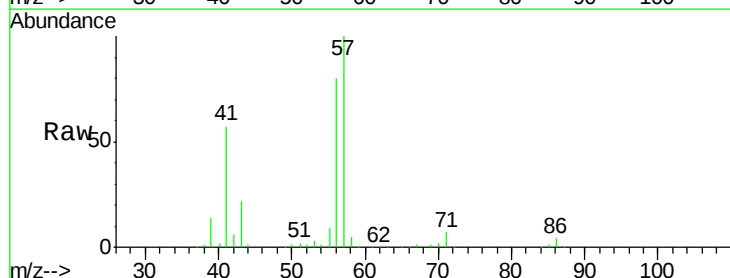
Tgt Ion: 53 Resp: 18958

Ion Ratio Lower Upper

53 100

52 11.3 65.5 98.3#

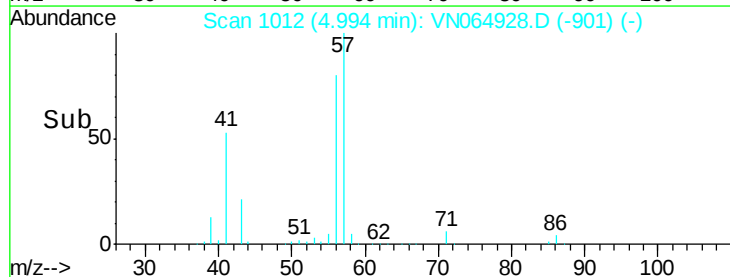
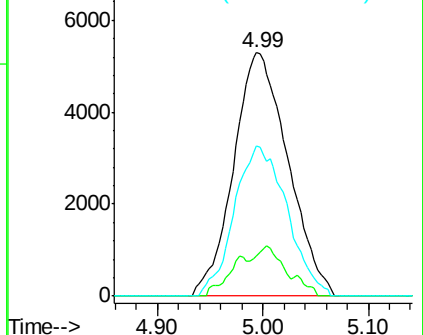
51 59.8 28.6 43.0#

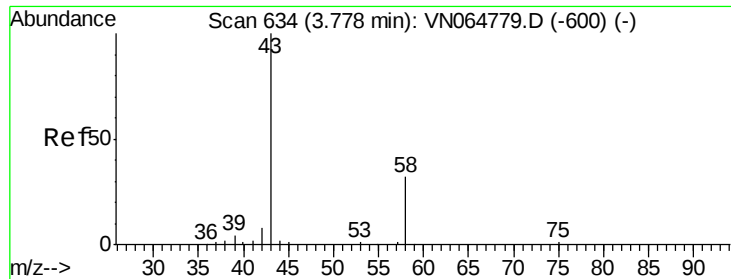


Abundance Ion 53.00 (52.70 to 53.70): VN064928.D (-1012) (-)

Ion 52.00 (51.70 to 52.70): VN064928.D (-1012) (-)

Ion 51.00 (50.70 to 51.70): VN064928.D (-1012) (-)





#16

Acetone

Concen: 86.195 ug/l

RT: 3.76 min Scan# 627

Delta R.T. -0.02 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

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ClientSampleId :

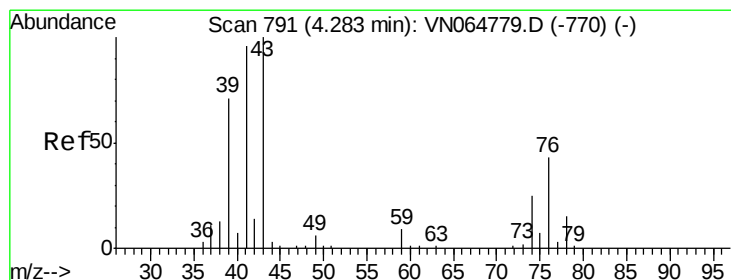
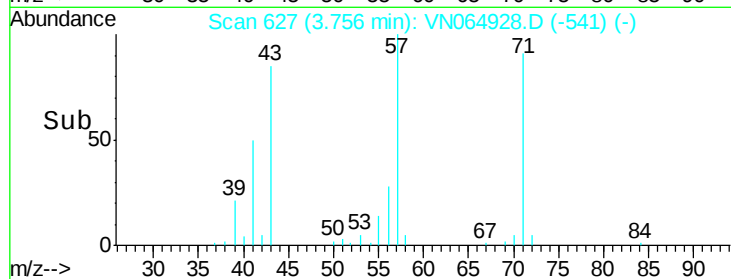
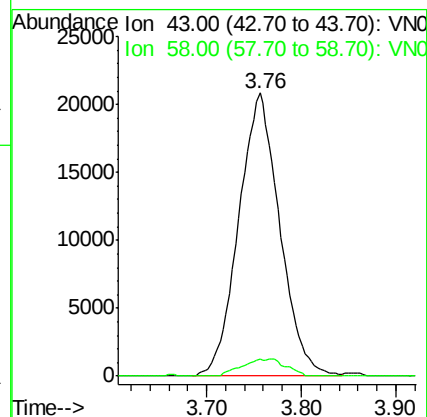
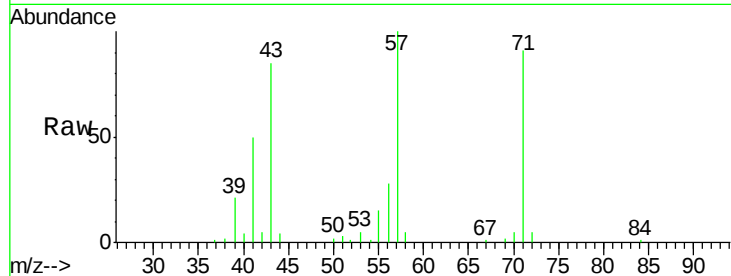
SS013-13-6712-120120

Tot Ion: 43 Resp: 62778

Ion Ratio Lower Upper

43 100

58 6.0 25.7 38.5#



#18

Methyl Acetate

Concen: 59.329 ug/l

RT: 4.49 min Scan# 854

Delta R.T. 0.20 min

Lab File: VN064928.D

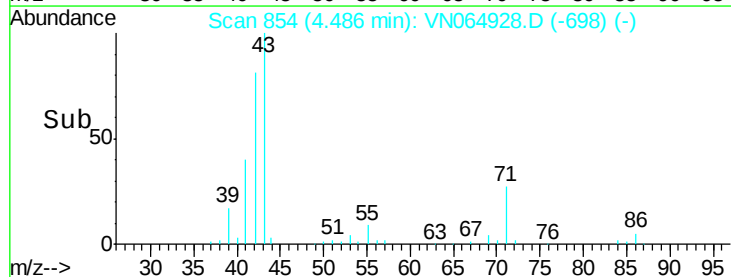
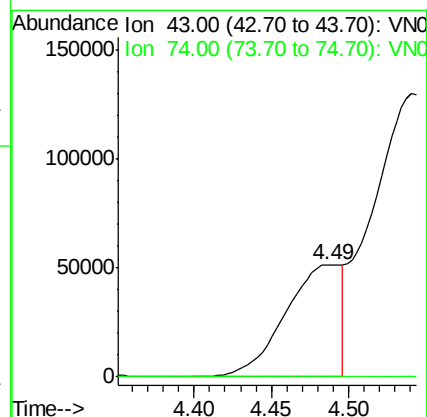
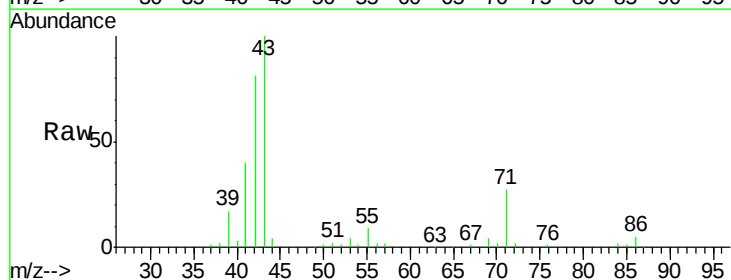
Acq: 4 Dec 2020 18:54

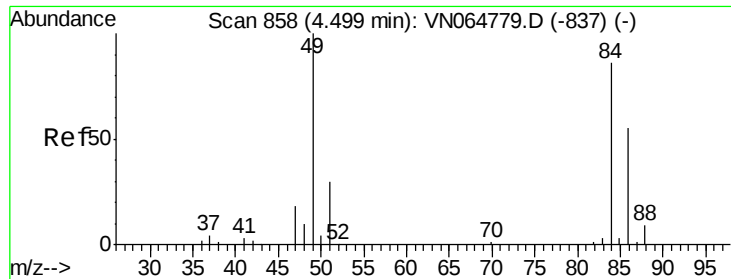
Tgt Ion: 43 Resp: 129916

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#

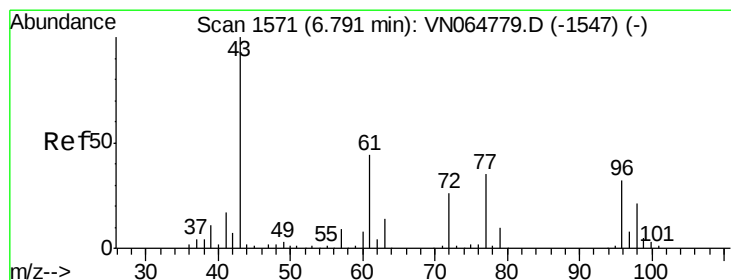
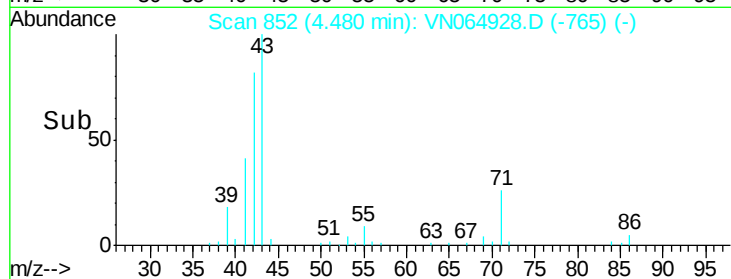
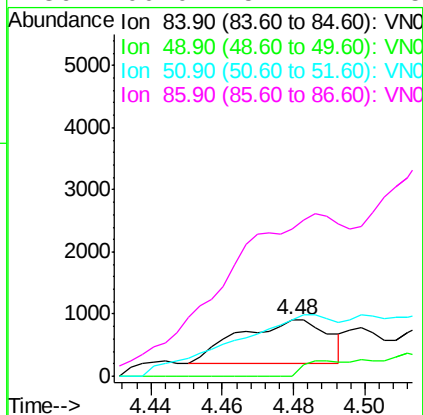
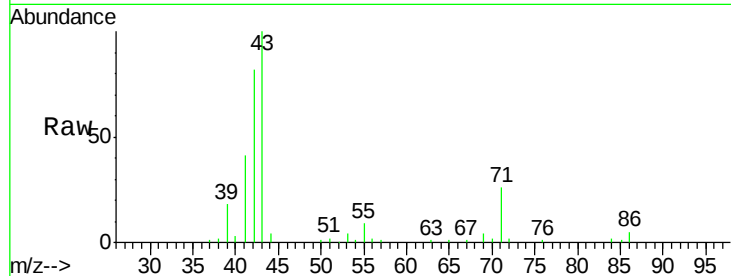




#20
Methvlene Chloride
Concen: 0.534 ug/l
RT: 4.48 min Scan# 852
Delta R.T. -0.02 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

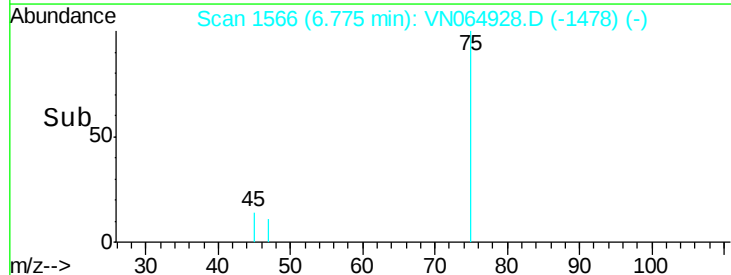
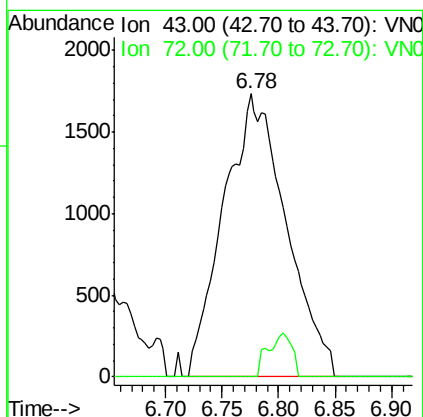
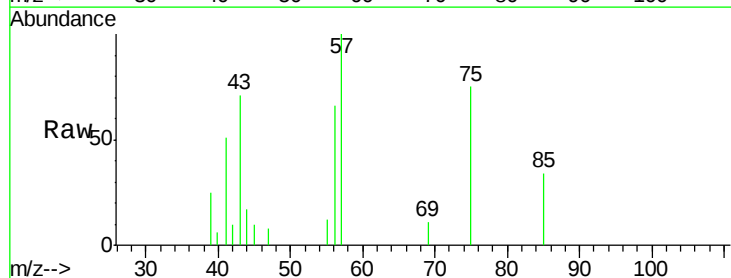
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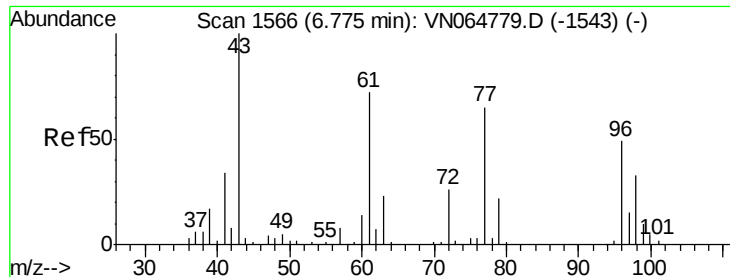
Tot Ion:	84	Resp:	1218
Ion	Ratio	Lower	Upper
84	100		
49	0.0	93.4	140.0#
51	87.7	28.2	42.4#
86	200.0	51.7	77.5#



#25
2-Butanone
Concen: 5.647 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.02 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

Tgt Ion:	43	Resp:	6667
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#





#26

2,2-Dichloropropane

Concen: 2.262 ug/l

RT: 6.59 min Scan# 1507

Delta R.T. -0.19 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

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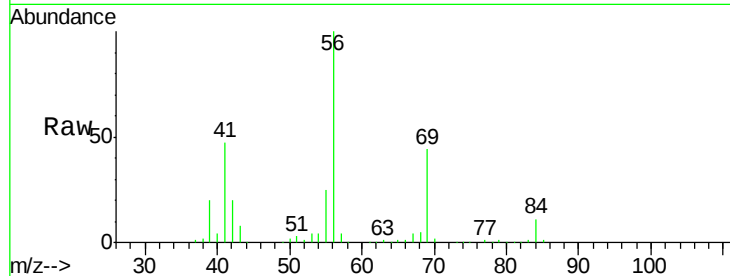
SS013-13-6712-120120

Tot Ion: 77 Resp: 7154

Ion Ratio Lower Upper

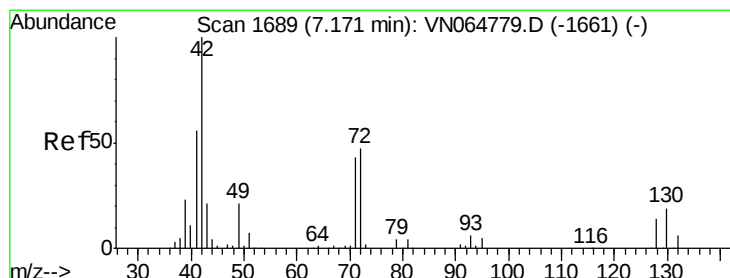
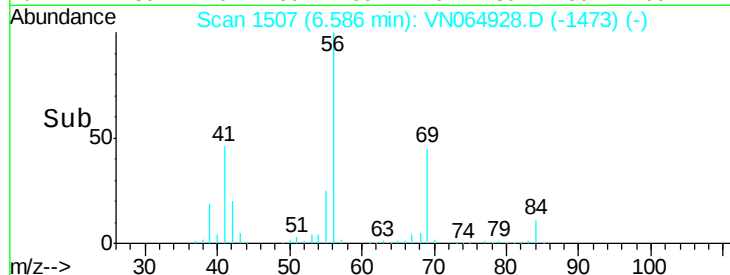
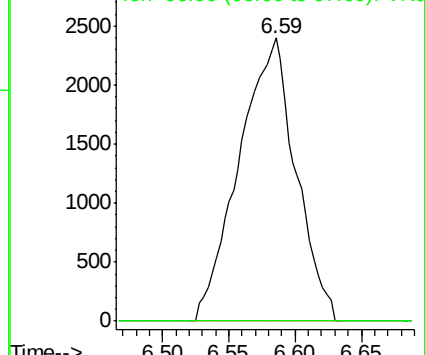
77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VNO

Ion 96.90 (96.60 to 97.60): VNO



#29

Tetrahydrofuran

Concen: 2.443 ug/l

RT: 7.34 min Scan# 1742

Delta R.T. 0.17 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

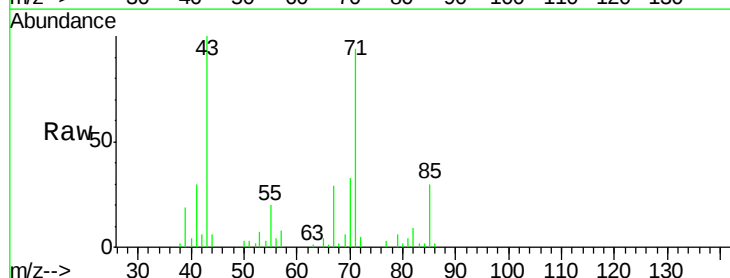
Tgt Ion: 42 Resp: 1991

Ion Ratio Lower Upper

42 100

72 98.8 36.6 54.8#

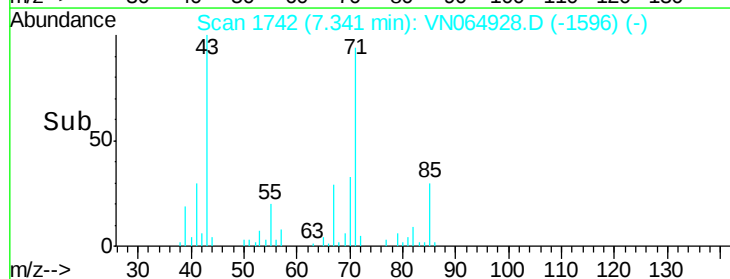
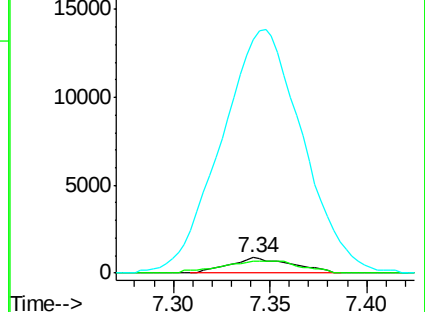
71 2039.3 33.6 50.4#

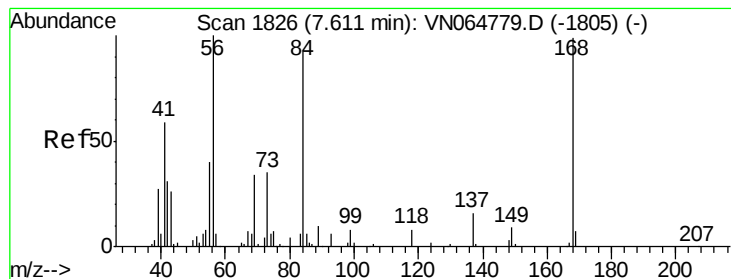


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO





#31

Cyclohexane

Concen: 208.266 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

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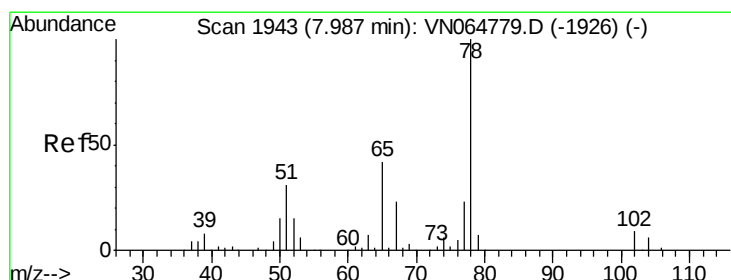
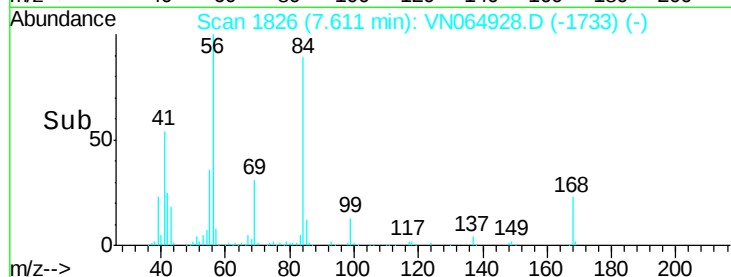
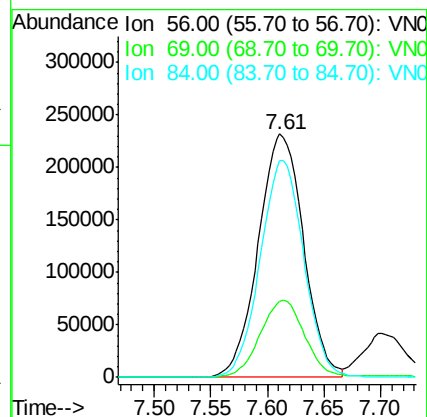
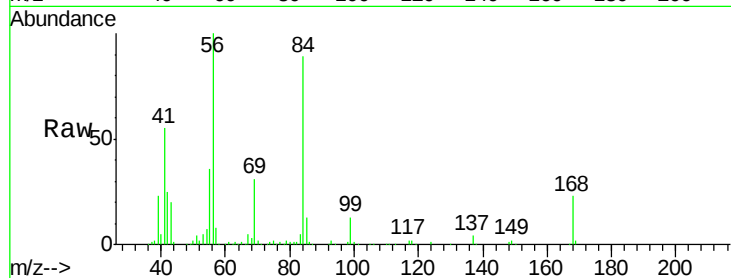
Tot Ion: 56 Resp: 643123

Ion Ratio Lower Upper

56 100

69 31.0 27.5 41.3

84 89.0 73.9 110.9



#33

1,2-Dichloroethane-d4

Concen: 48.663 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064928.D

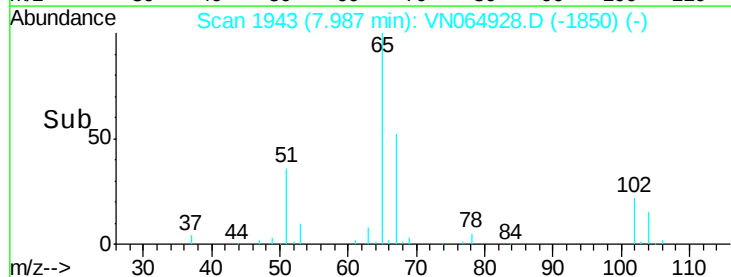
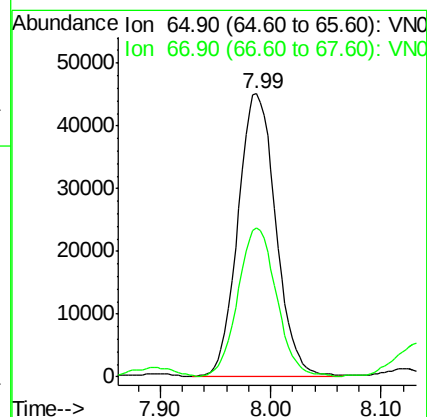
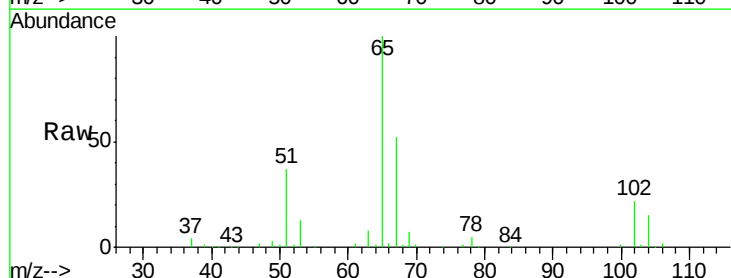
Acq: 4 Dec 2020 18:54

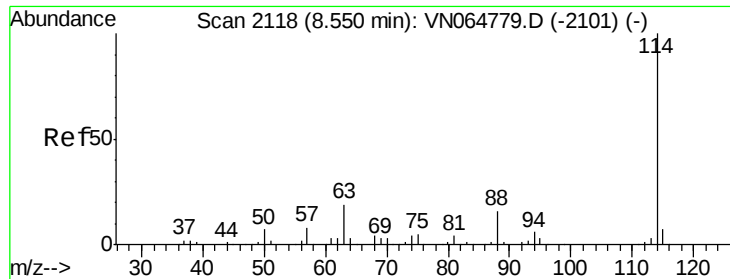
Tgt Ion: 65 Resp: 107816

Ion Ratio Lower Upper

65 100

67 52.4 0.0 108.2

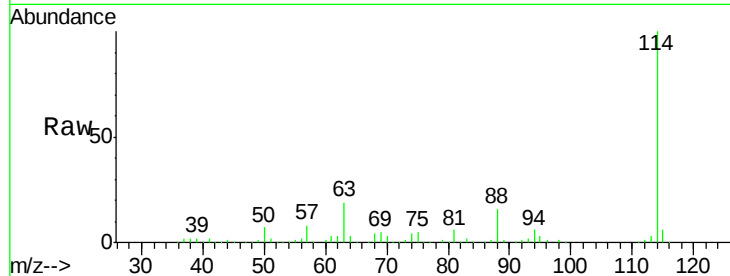




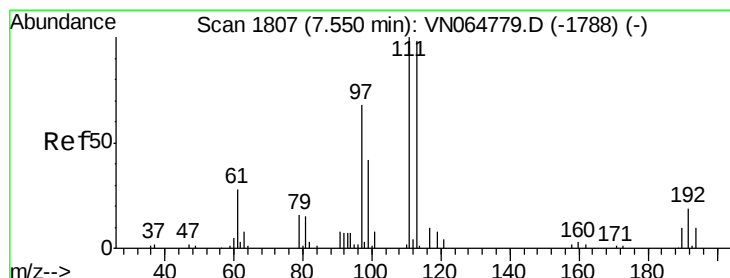
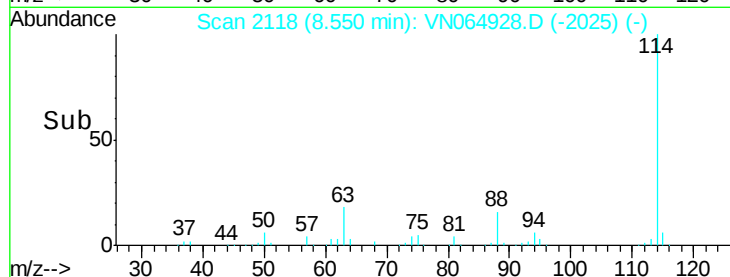
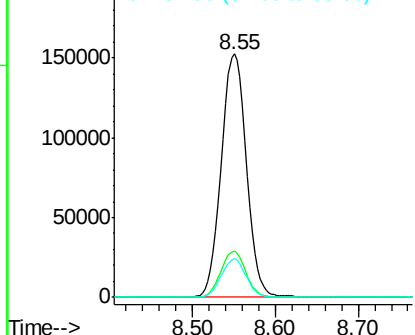
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120

Tot Ion:114 Resp: 322113
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.6
88 15.8 0.0 32.6

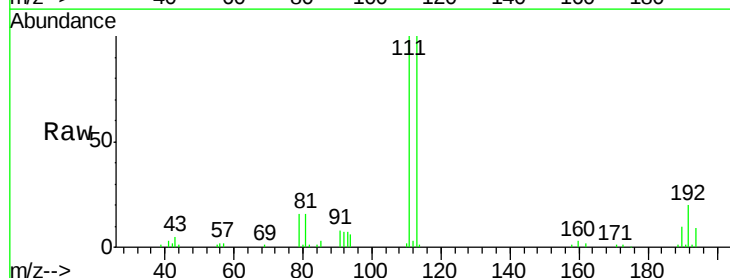


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

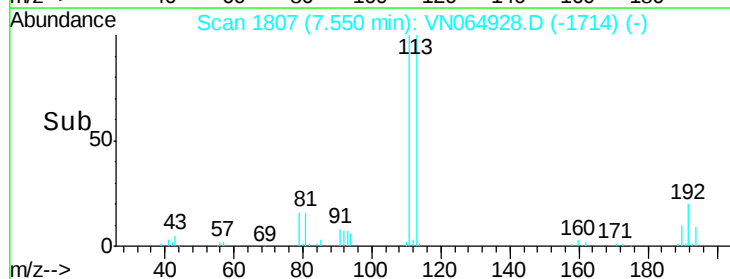
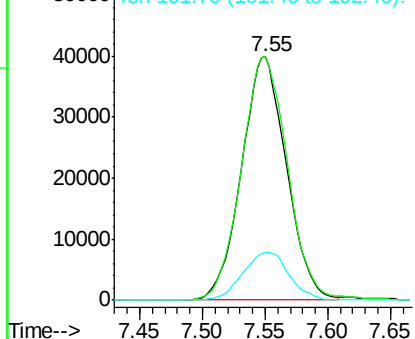


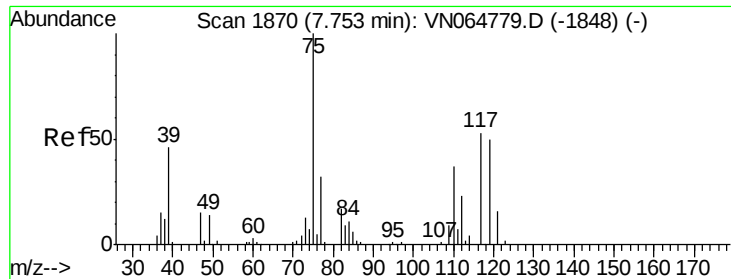
#35
Dibromofluoromethane
Concen: 51.519 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

Tgt Ion:113 Resp: 99298
Ion Ratio Lower Upper
113 100
111 103.1 81.6 122.4
192 20.2 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

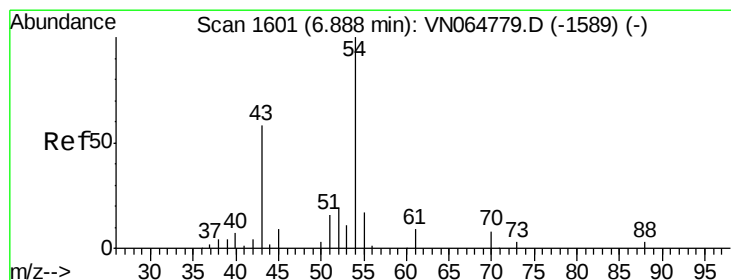
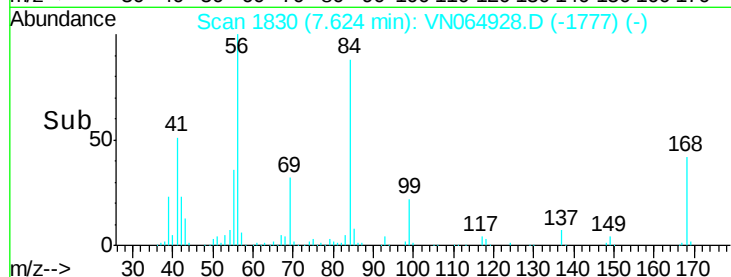
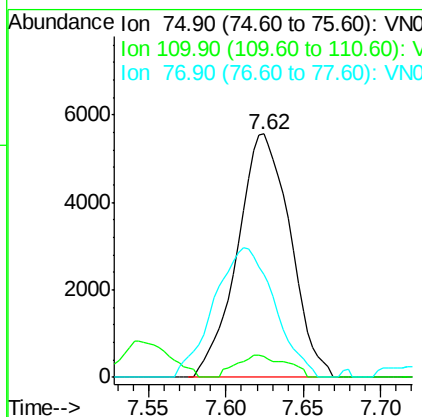
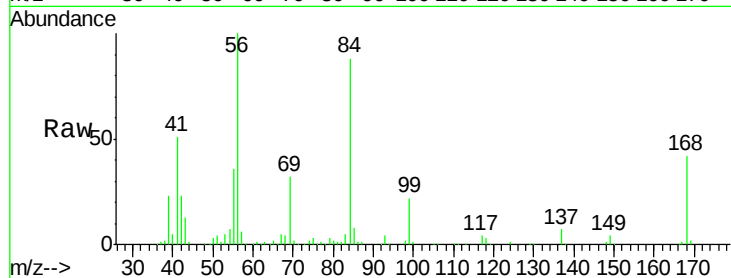




#36
 1,1-Dichloropropene
 Concen: 4.428 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064928.D
 Acq: 4 Dec 2020 18:54

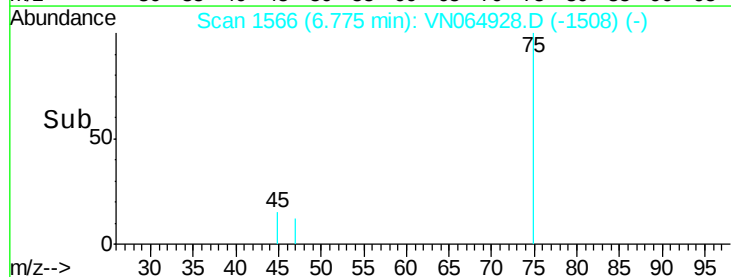
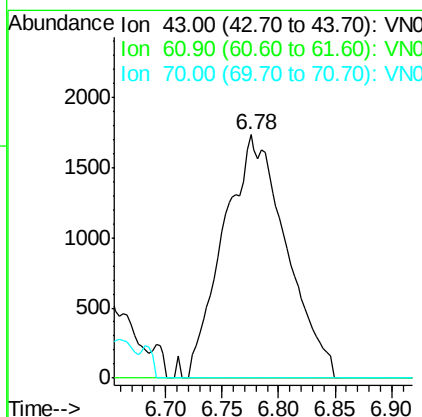
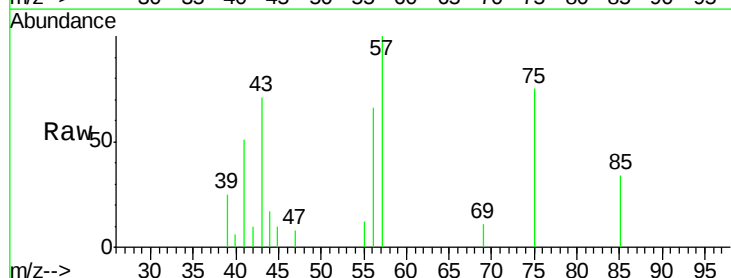
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6712-120120

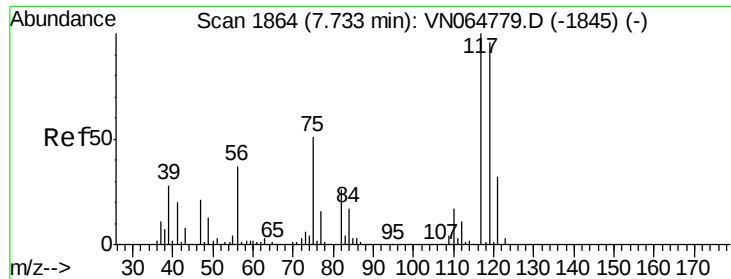
Tot Ion: 75 Resp: 13221
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.8 53.3#
 77 61.2 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 2.318 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.11 min
 Lab File: VN064928.D
 Acq: 4 Dec 2020 18:54

Tgt Ion: 43 Resp: 6667
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.8 19.2#
 70 0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.435 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120

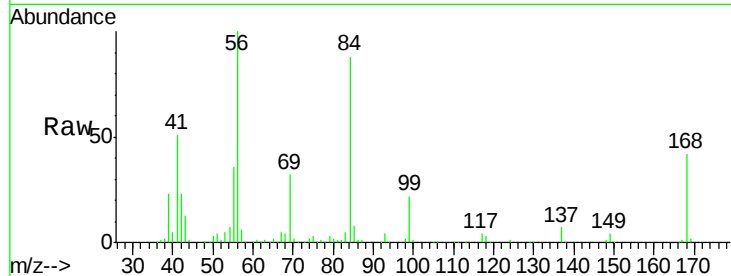
Tot Ion:117 Resp: 16885

Ion Ratio Lower Upper

117 100

119 5.2 76.7 115.1#

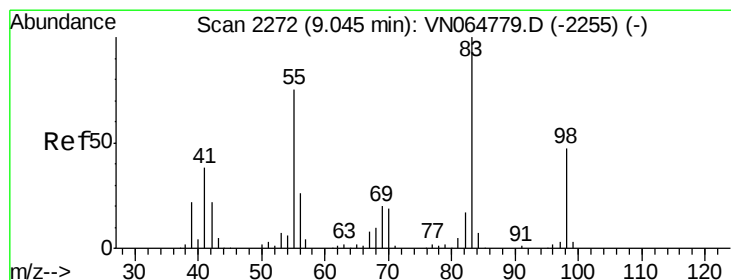
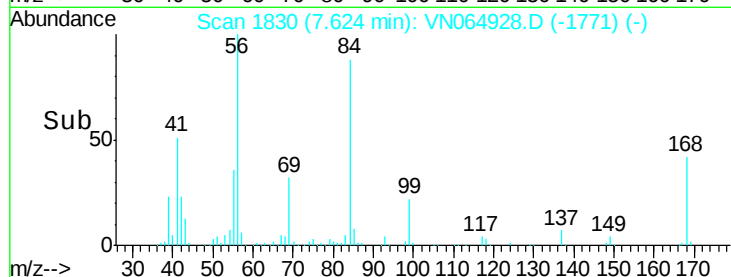
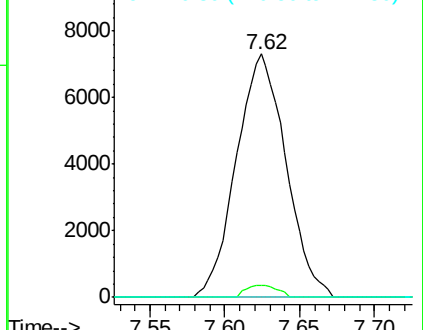
121 0.0 25.4 38.2#



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: 178.857 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

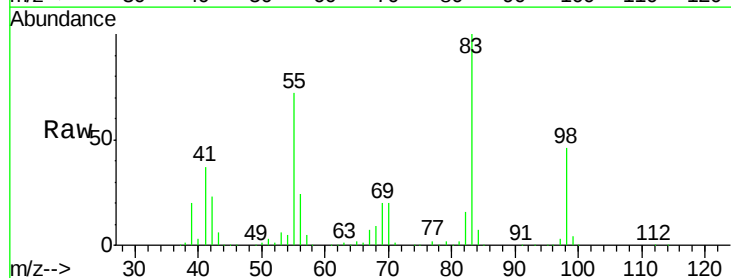
Tgt Ion: 83 Resp: 574860

Ion Ratio Lower Upper

83 100

55 72.1 60.2 90.2

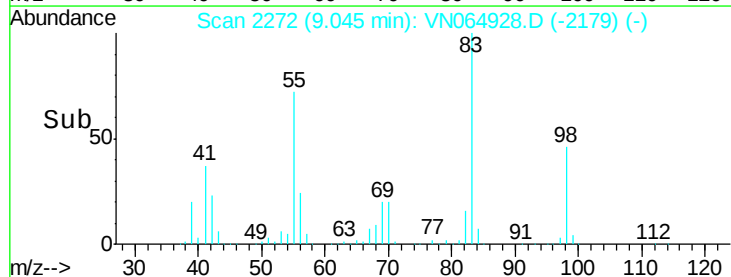
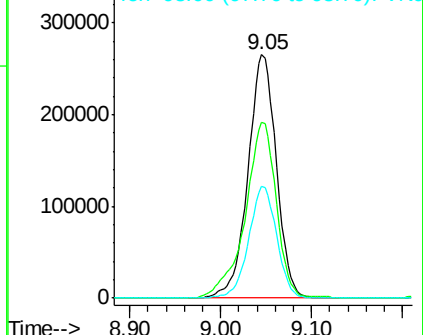
98 45.7 37.4 56.2

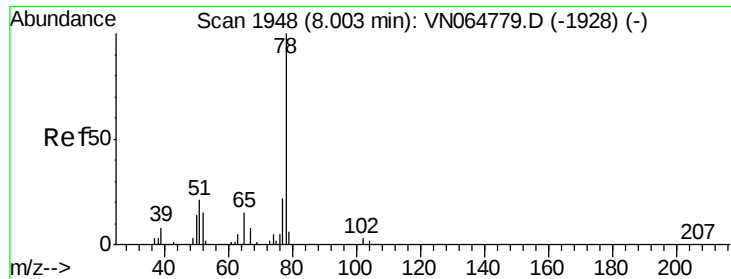


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 0.935 ug/l

RT: 8.01 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

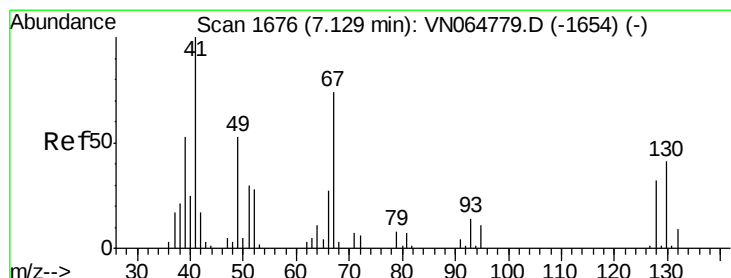
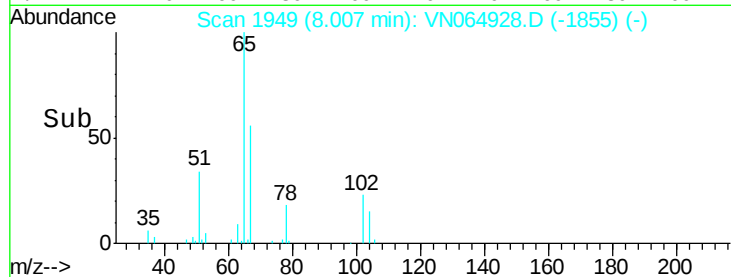
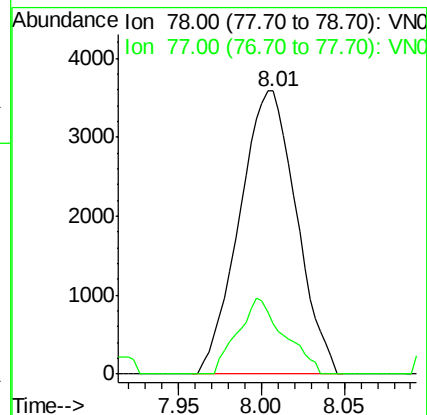
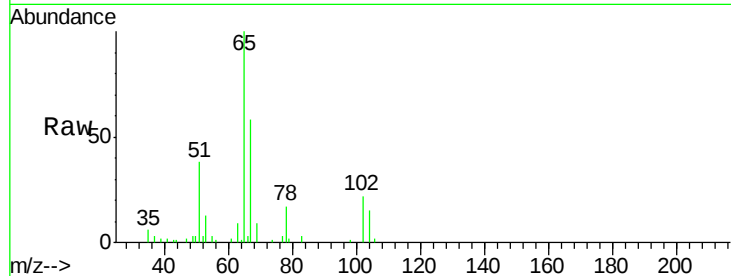
SS013-13-6712-120120

Tot Ion: 78 Resp: 8556

Ion Ratio Lower Upper

78 100

77 17.7 17.9 26.9#



#41

Methacrylonitrile

Concen: 0.574 ug/l

RT: 7.29 min Scan# 1725

Delta R.T. 0.16 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Tgt Ion: 41 Resp: 762

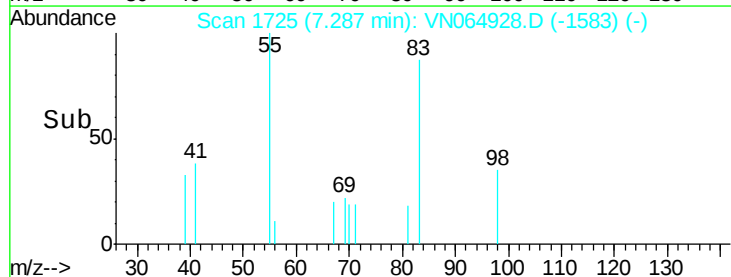
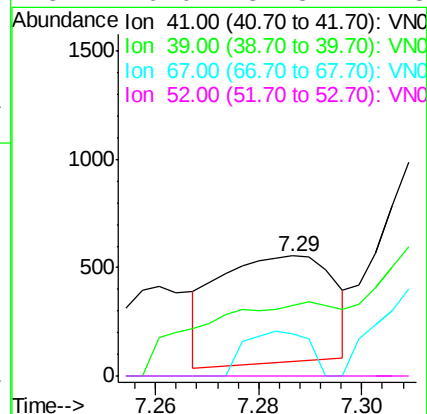
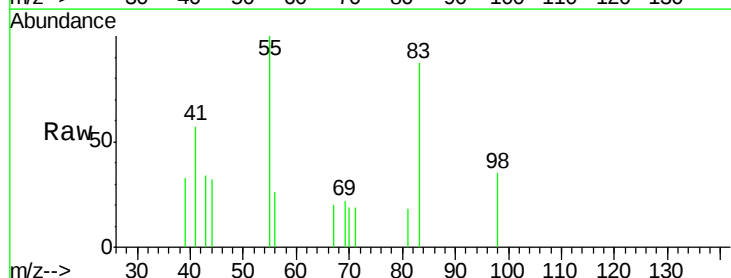
Ion Ratio Lower Upper

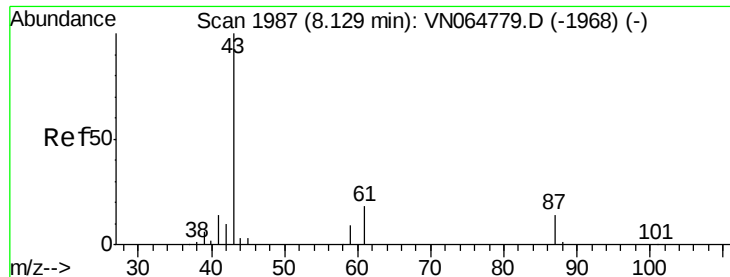
41 100

39 84.6 51.0 76.6#

67 0.0 79.8 119.8#

52 0.0 31.5 47.3#



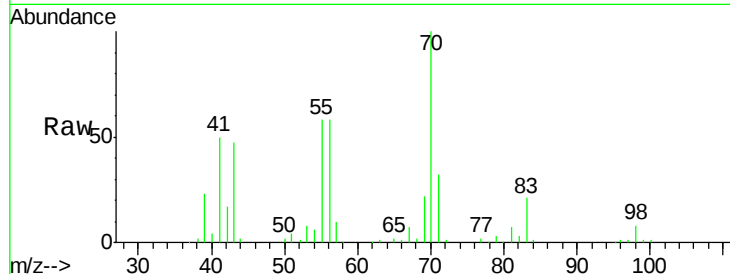


#43

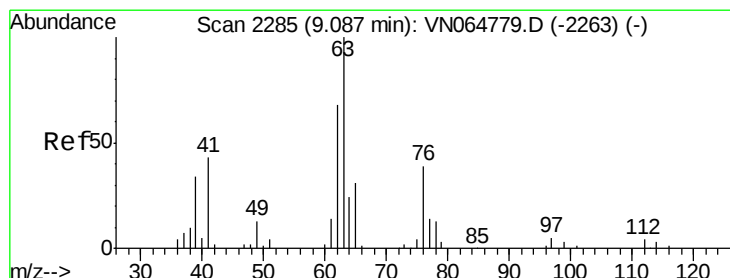
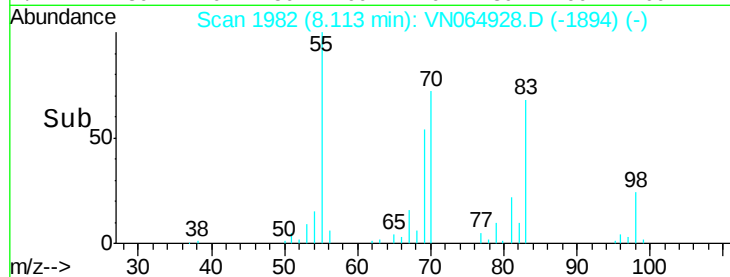
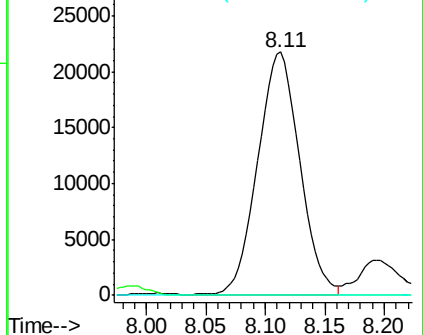
Isopropyl Acetate
 Concen: 11.554 ug/l
 RT: 8.11 min Scan# 1982
 Delta R.T. -0.02 min
 Lab File: VN064928.D
 Acq: 4 Dec 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6712-120120

Tot Ion: 43 Resp: 53468
 Ion Ratio Lower Upper
 43 100
 61 0.0 17.2 25.8#
 87 0.0 11.4 17.0#



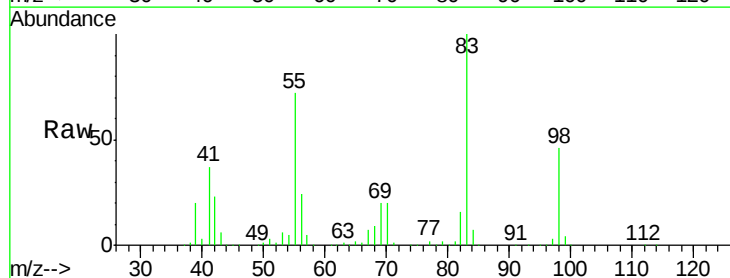
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



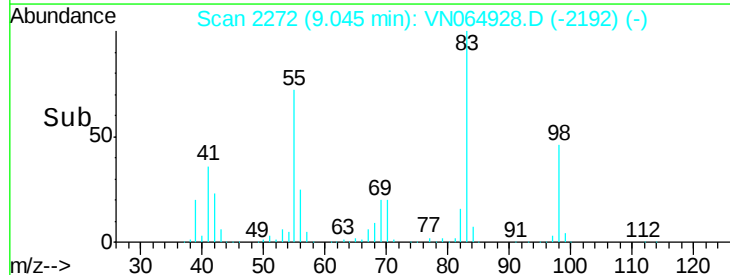
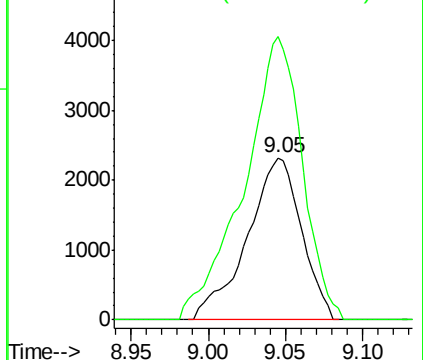
#45

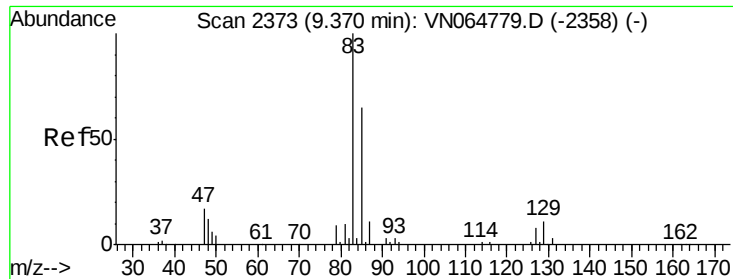
1,2-Dichloropropane
 Concen: 2.385 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.04 min
 Lab File: VN064928.D
 Acq: 4 Dec 2020 18:54

Tgt Ion: 63 Resp: 5652
 Ion Ratio Lower Upper
 63 100
 65 167.1 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 64.90 (64.60 to 65.60): VN0

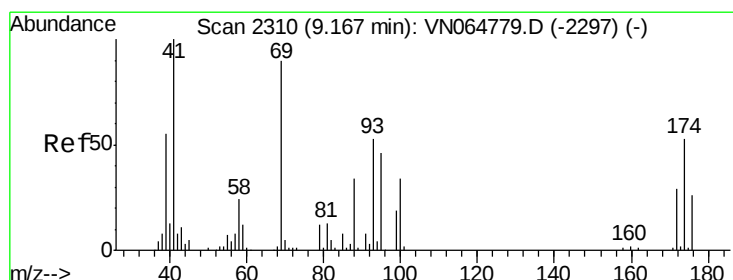
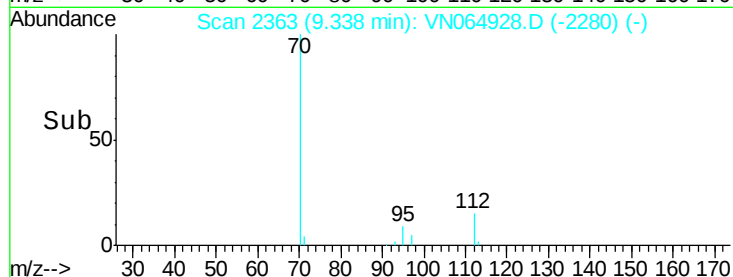
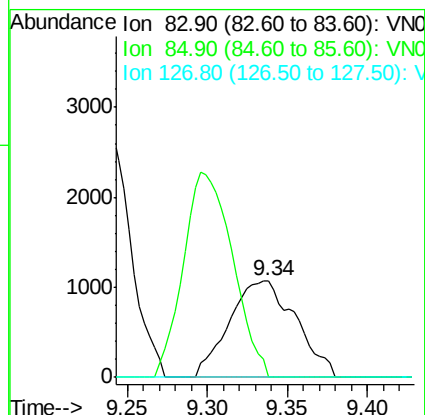
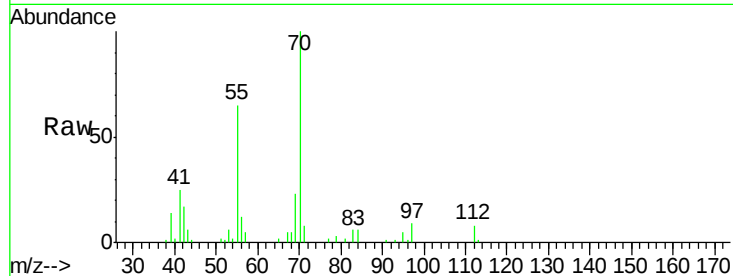




#47
Bromodichloromethane
Concen: 0.960 ug/l
RT: 9.34 min Scan# 2363
Delta R.T. -0.03 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

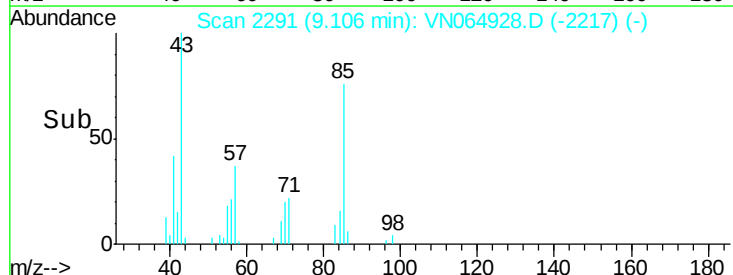
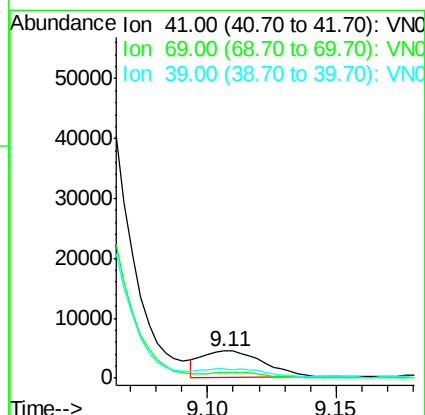
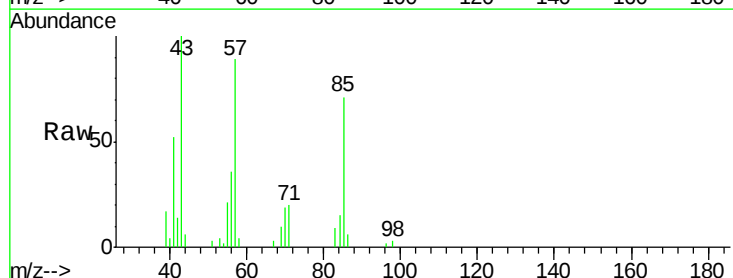
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120

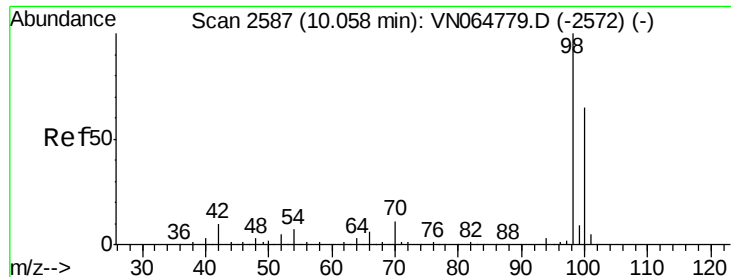
Tot Ion: 83 Resp: 3057
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.8#
127 0.0 6.8 10.2#



#48
Methyl methacrylate
Concen: 3.350 ug/l
RT: 9.11 min Scan# 2291
Delta R.T. -0.06 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

Tgt Ion: 41 Resp: 7409
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#





#50

Toluene-d8

Concen: 53.869 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

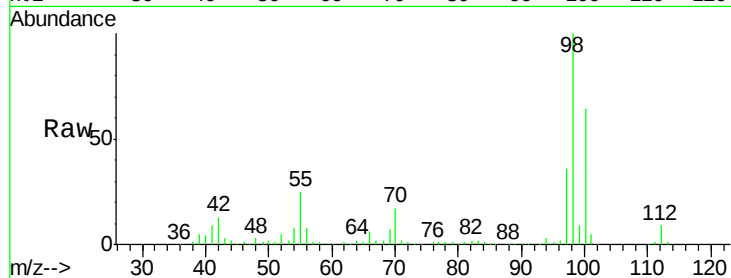
SS013-13-6712-120120

Tot Ion: 98 Resp: 424236

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064928.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064928.D (-2494) (-)

10.06

250000

200000

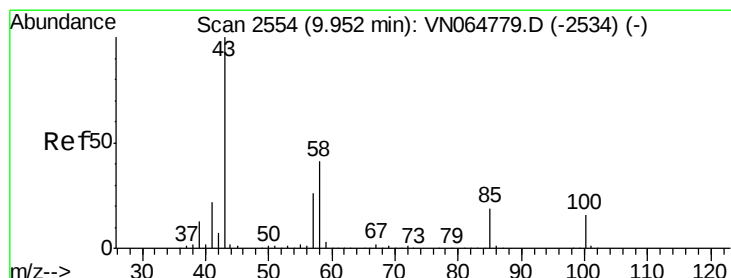
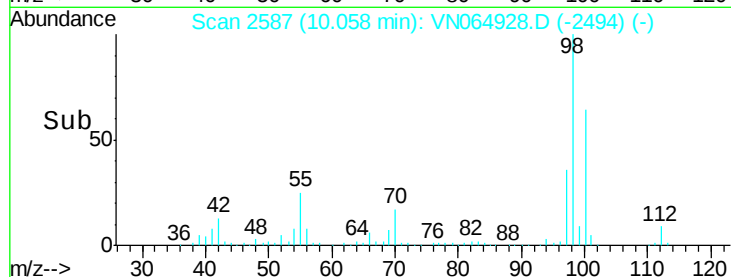
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 5.423 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN064928.D

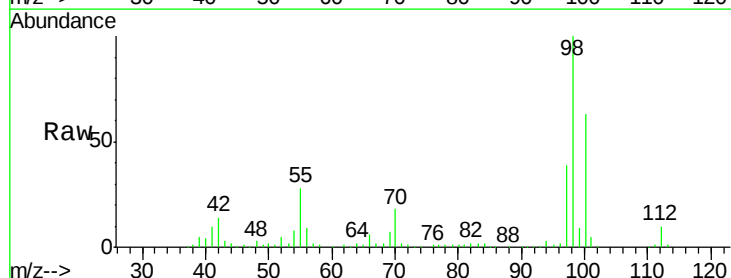
Acq: 4 Dec 2020 18:54

Tgt Ion: 43 Resp: 15066

Ion Ratio Lower Upper

43 100

58 22.8 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064928.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN064928.D (-2461) (-)

10.05

8000

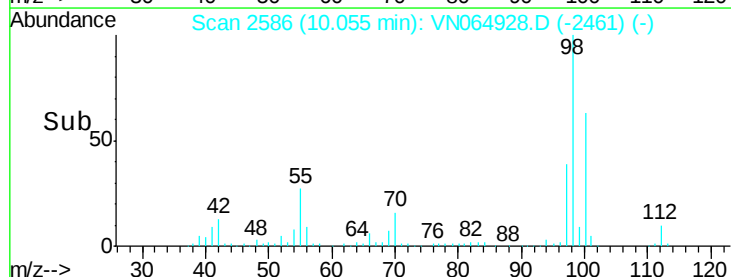
6000

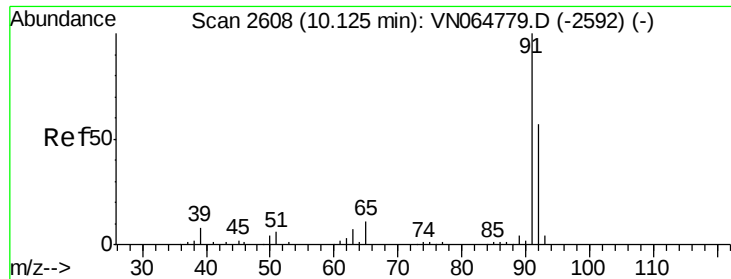
4000

2000

0

Time-->





#52

Toluene

Concen: 1.109 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

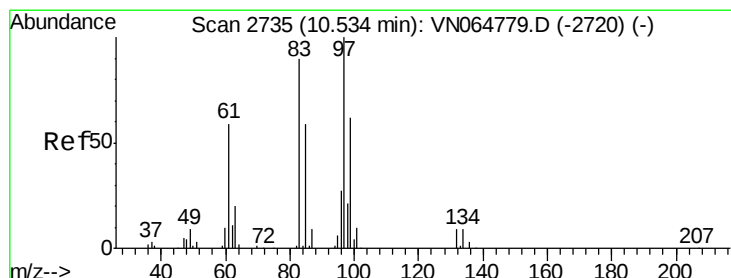
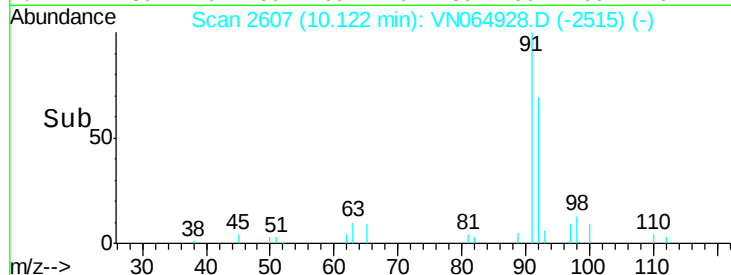
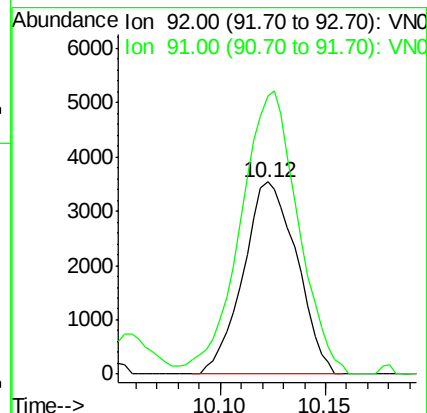
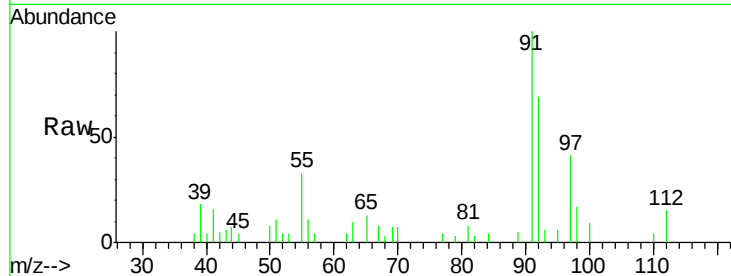
SS013-13-6712-120120

Tot Ion: 92 Resp: 6251

Ion Ratio Lower Upper

92 100

91 158.7 139.1 208.7



#55

1,1,2-Trichloroethane

Concen: 27.148 ug/l

RT: 10.50 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Tgt Ion: 97 Resp: 62900

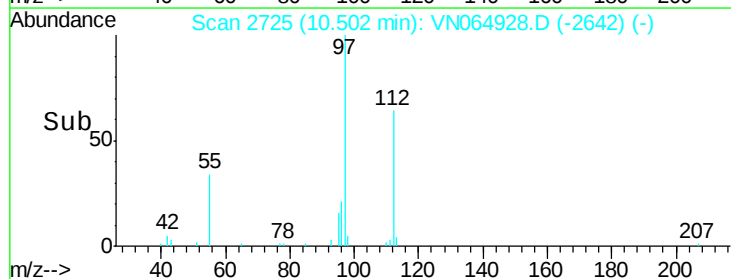
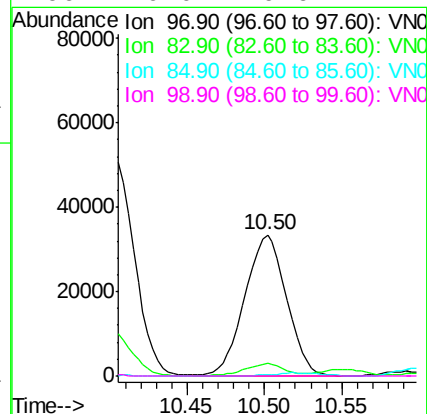
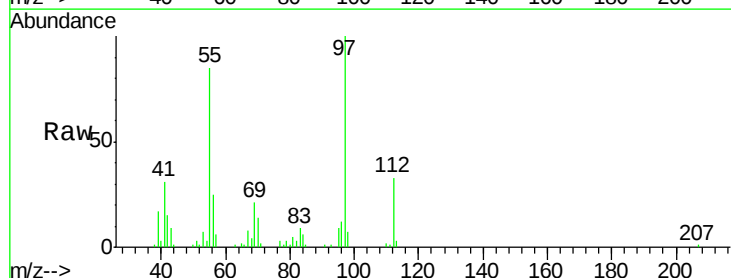
Ion Ratio Lower Upper

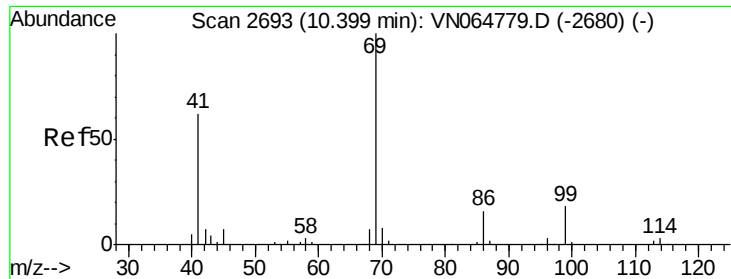
97 100

83 8.8 72.1 108.1#

85 1.4 46.8 70.2#

99 0.0 49.6 74.4#





#56

Ethyl methacrylate

Concen: 11.003 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120

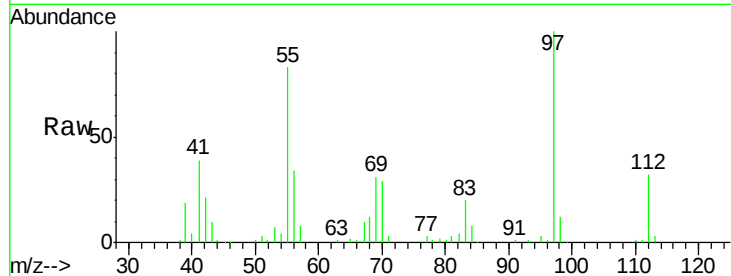
Tot Ion: 69 Resp: 35179

Ion Ratio Lower Upper

69 100

41 110.4 49.4 74.0#

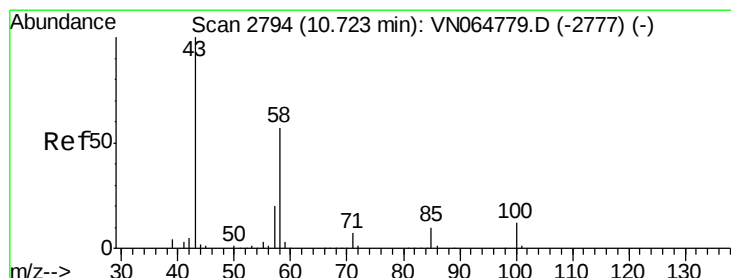
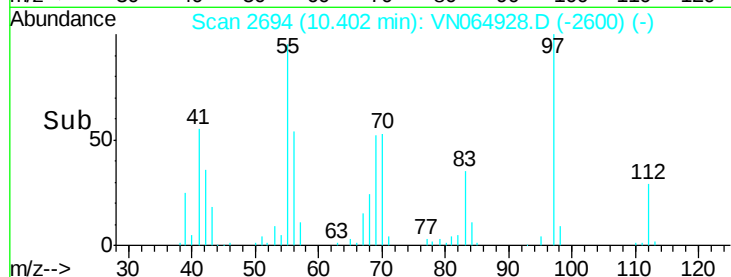
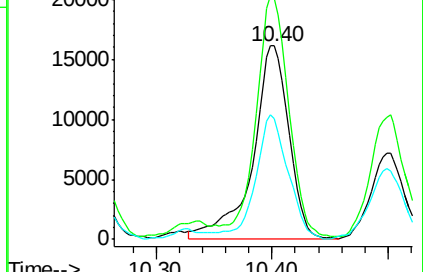
39 56.5 25.9 38.9#



Abundance Ion 69.00 (68.70 to 69.70): VN064928.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN064928.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN064928.D (-2680) (-)



#59

2-Hexanone

Concen: 5.303 ug/l

RT: 10.69 min Scan# 2783

Delta R.T. -0.04 min

Lab File: VN064928.D

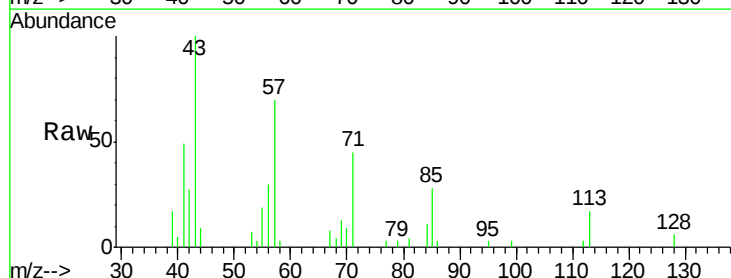
Acq: 4 Dec 2020 18:54

Tgt Ion: 43 Resp: 10603

Ion Ratio Lower Upper

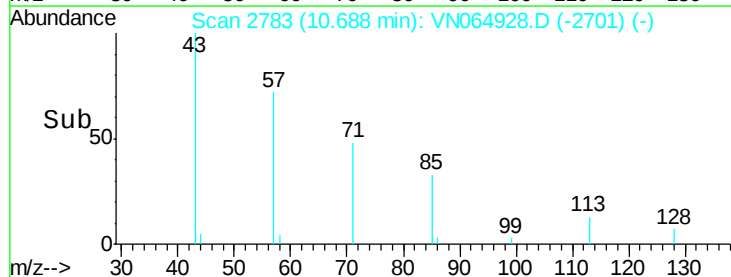
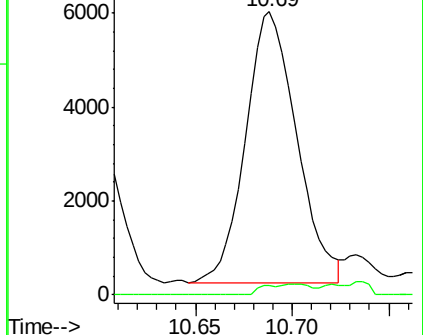
43 100

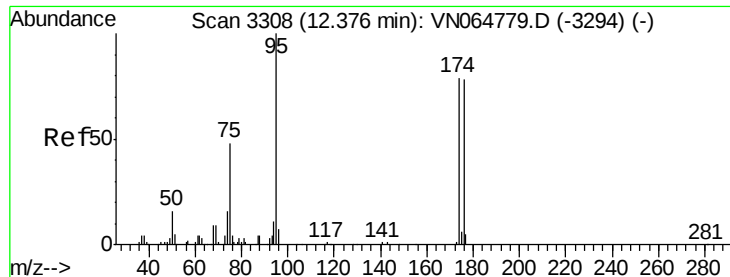
58 3.9 28.3 84.9#



Abundance Ion 43.00 (42.70 to 43.70): VN064928.D (-2701) (-)

Ion 58.00 (57.70 to 58.70): VN064928.D (-2701) (-)

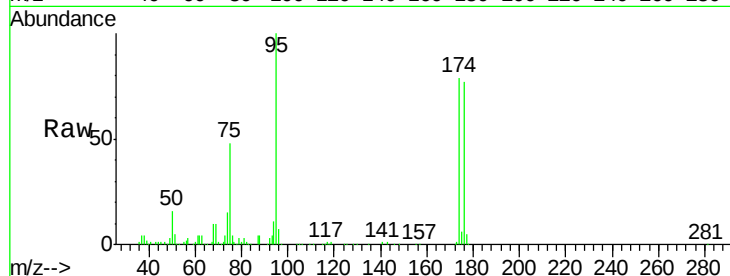




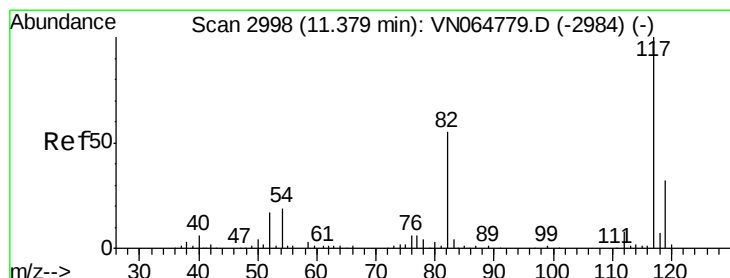
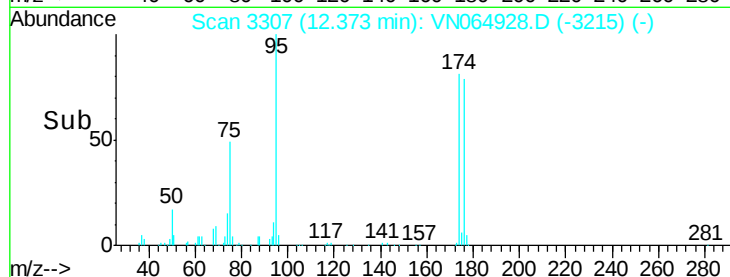
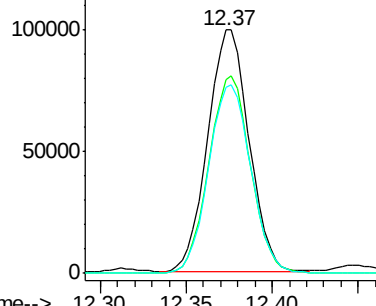
#62
4-Bromofluorobenzene
Concen: 59.186 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120

Tot Ion: 95 Resp: 166810
Ion Ratio Lower Upper
95 100
174 81.7 0.0 160.4
176 79.6 0.0 158.4

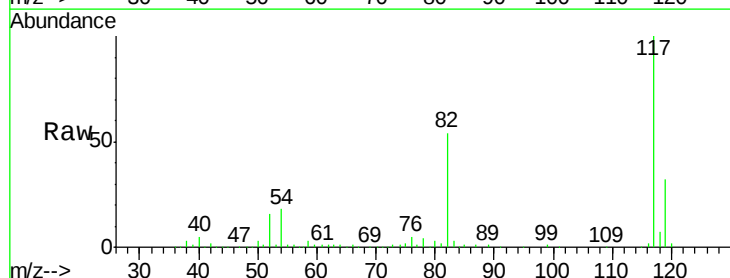


Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)
Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)
Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

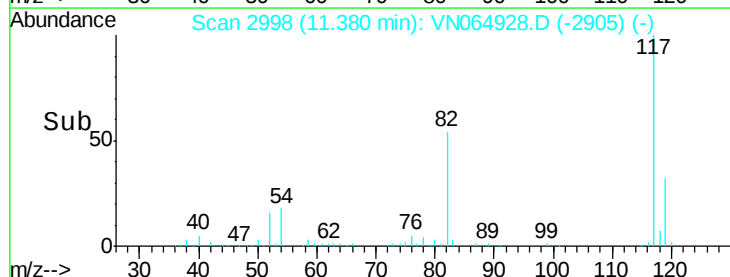
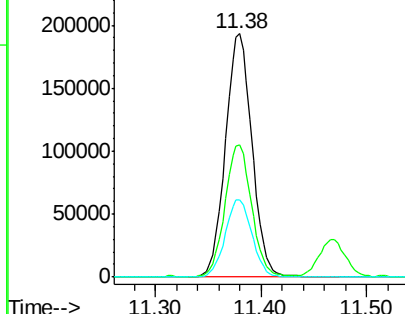


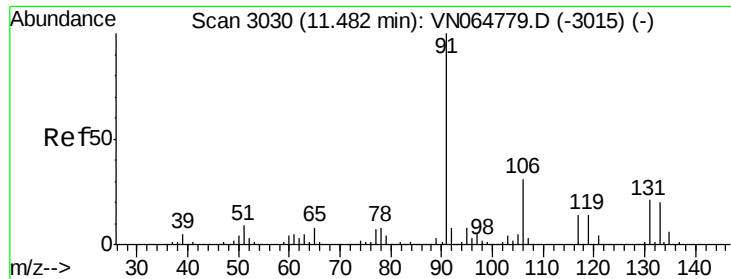
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

Tgt Ion: 117 Resp: 335779
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)
Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)
Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)

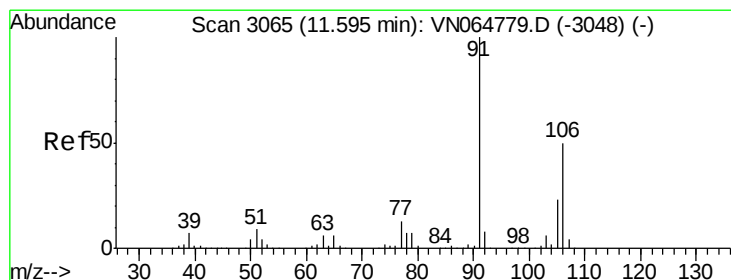
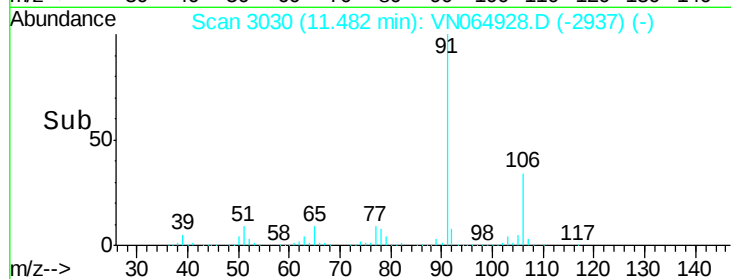
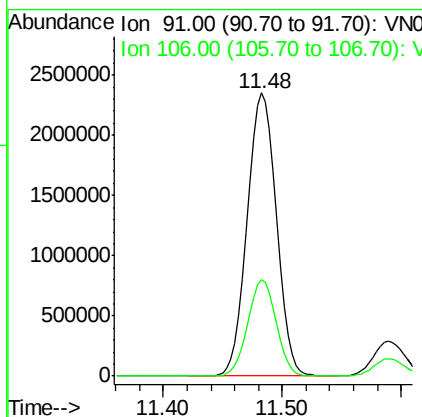
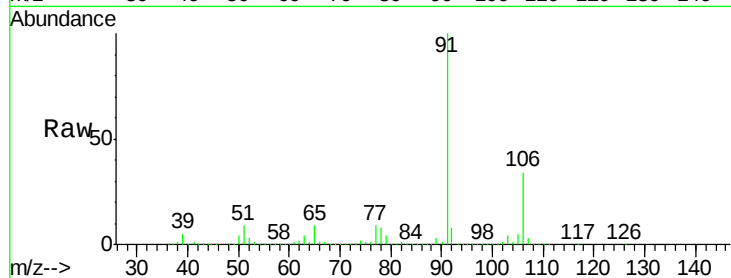




#67
Ethyl Benzene
Concen: 332.277 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

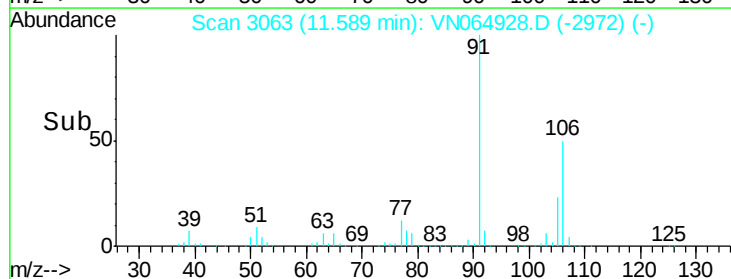
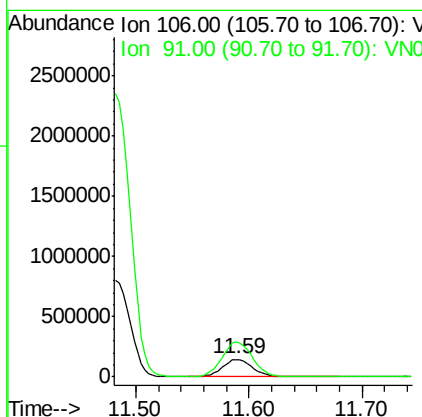
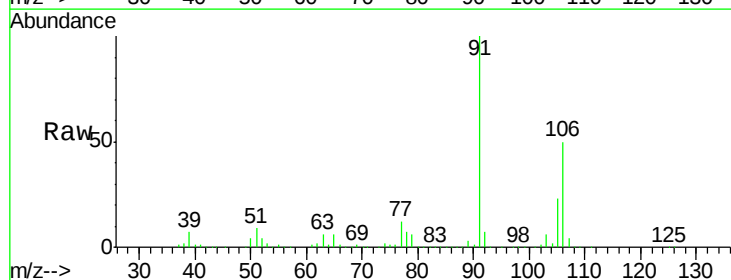
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120

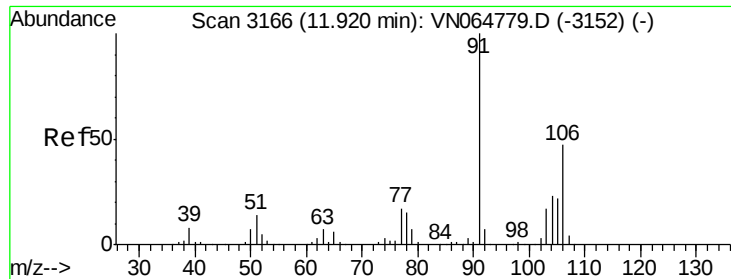
Tot Ion: 91 Resp: 4002632
Ion Ratio Lower Upper
91 100
106 34.3 25.2 37.8



#68
m/p-Xylenes
Concen: 59.462 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

Tgt Ion: 106 Resp: 271190
Ion Ratio Lower Upper
106 100
91 199.5 161.0 241.4

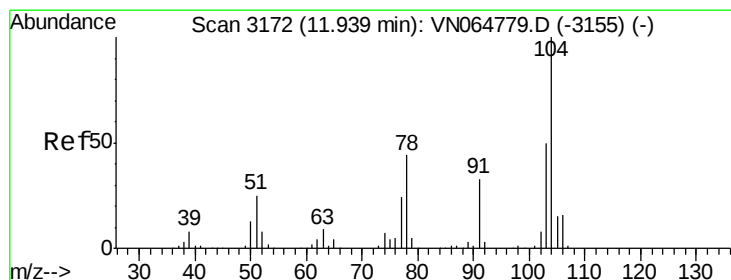
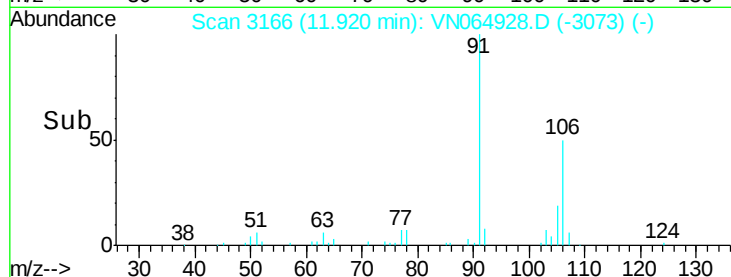
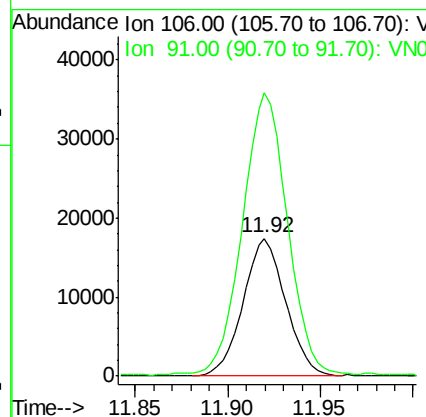
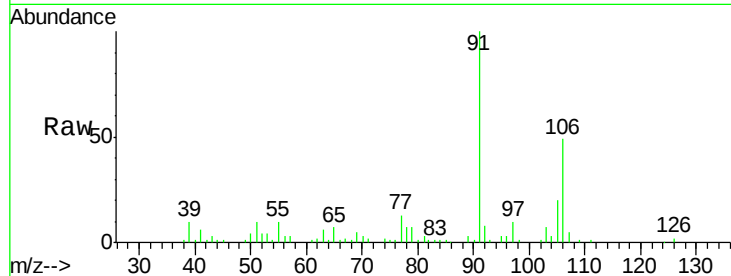




#69
o-Xylene
Concen: 6.418 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

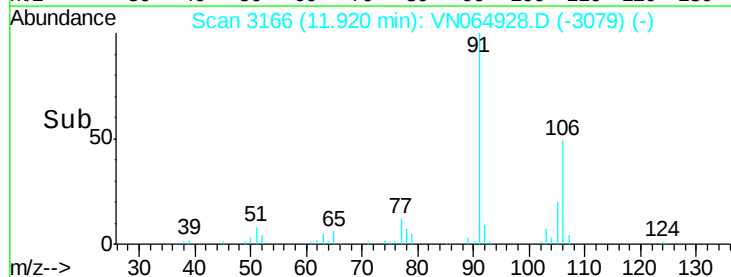
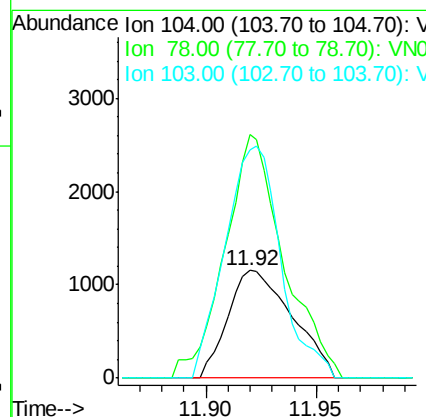
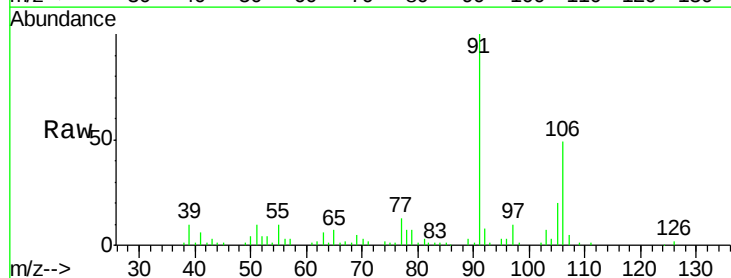
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120

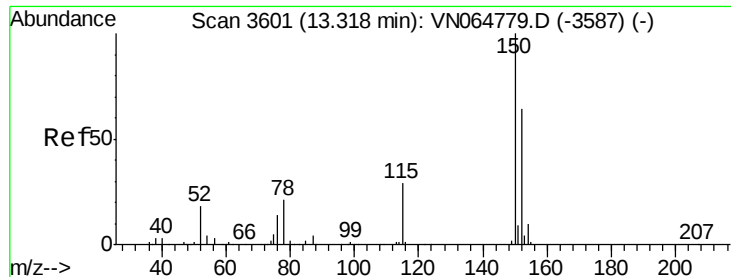
Tot Ion:106 Resp: 27775
Ion Ratio Lower Upper
106 100
91 220.3 105.5 316.5



#70
Styrene
Concen: 0.319 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VN064928.D
Acq: 4 Dec 2020 18:54

Tgt Ion:104 Resp: 2334
Ion Ratio Lower Upper
104 100
78 207.2 39.0 58.6#
103 187.0 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120

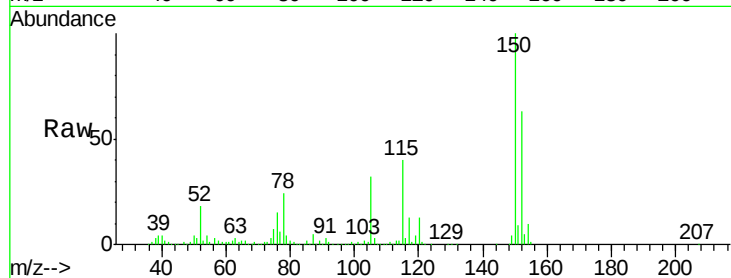
Tot Ion:152 Resp: 171374

Ion Ratio Lower Upper

152 100

115 63.8 29.7 89.1

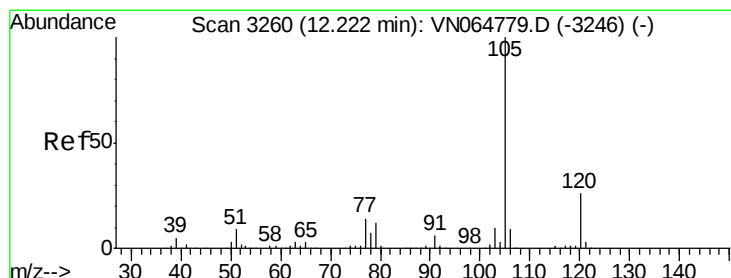
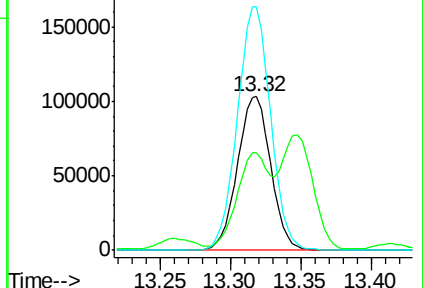
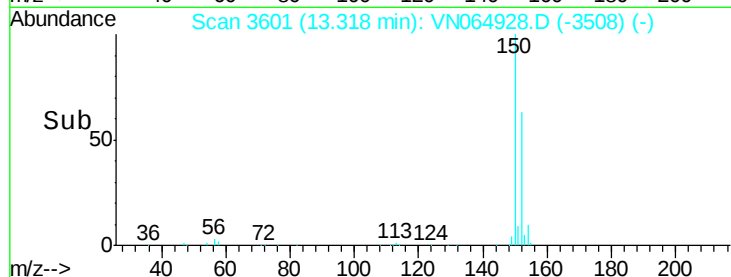
150 157.9 0.0 350.6



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: 64.754 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064928.D

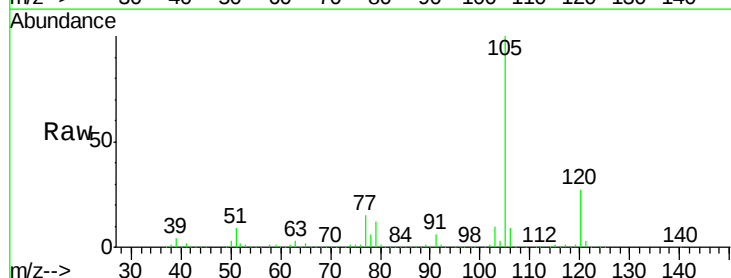
Acq: 4 Dec 2020 18:54

Tgt Ion:105 Resp: 771882

Ion Ratio Lower Upper

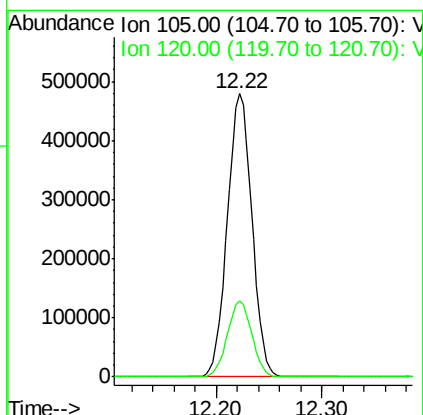
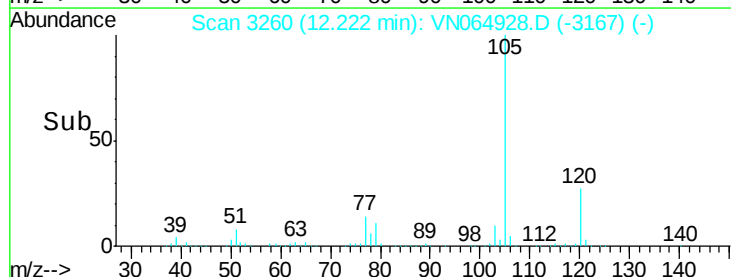
105 100

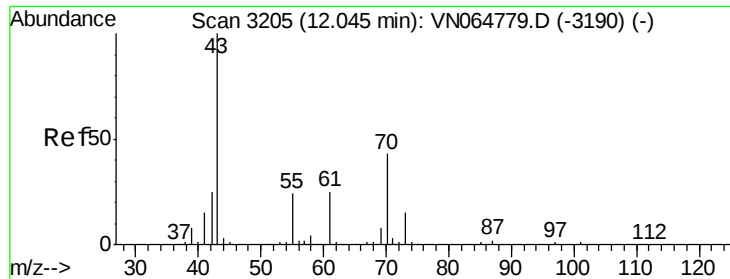
120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 0.620 ug/l

RT: 12.02 min Scan# 3197

Delta R.T. -0.03 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120

Tot Ion: 43 Resp: 2910

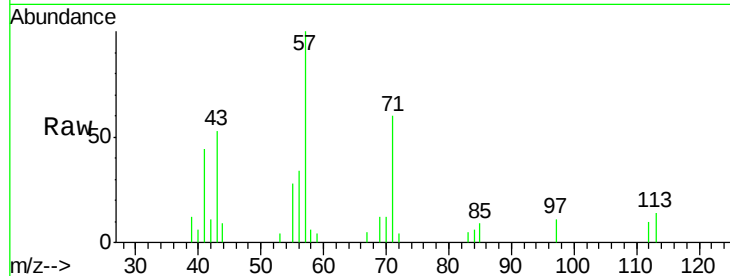
Ion Ratio Lower Upper

43 100

70 10.1 34.5 51.7#

55 0.0 20.4 30.6#

61 0.0 20.0 30.0#

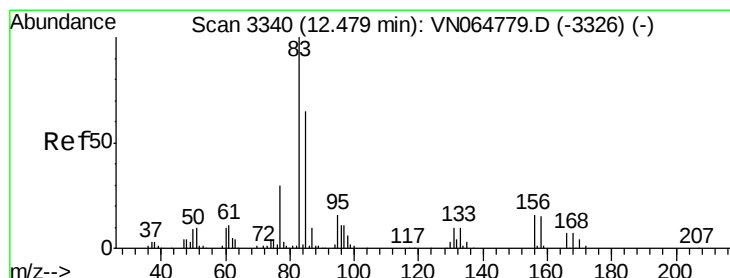
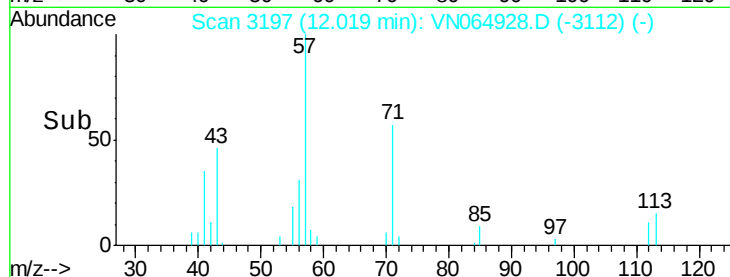
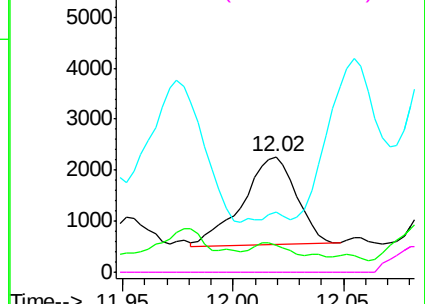


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 0.645 ug/l

RT: 12.45 min Scan# 3331

Delta R.T. -0.03 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

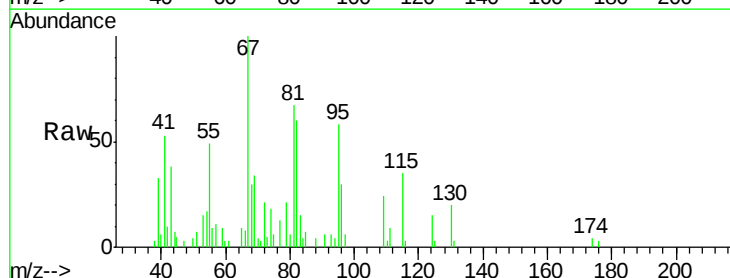
Tgt Ion: 83 Resp: 2253

Ion Ratio Lower Upper

83 100

131 4.4 5.1 15.3#

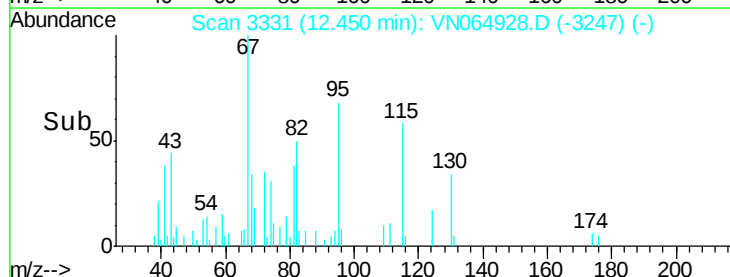
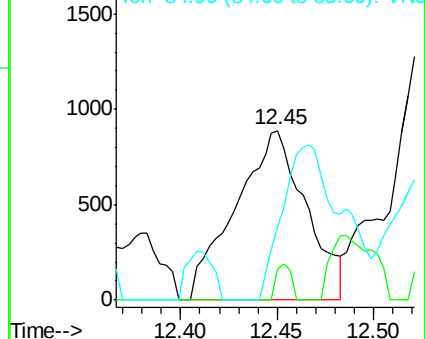
85 0.0 33.0 99.0#

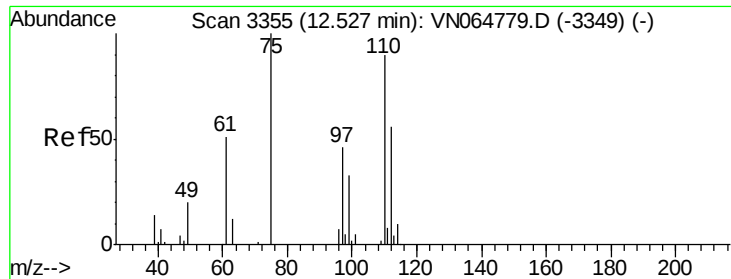


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1.658 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

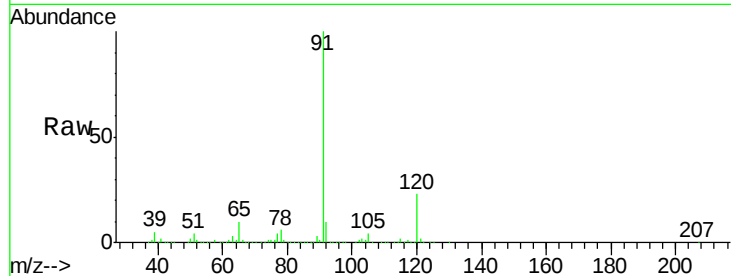
SS013-13-6712-120120

Tot Ion: 75 Resp: 6118

Ion Ratio Lower Upper

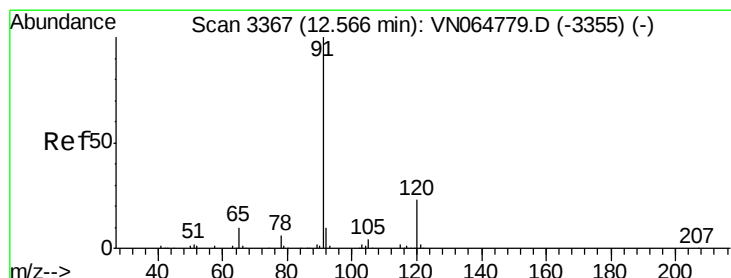
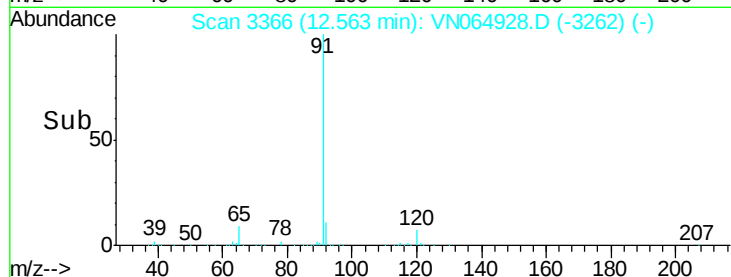
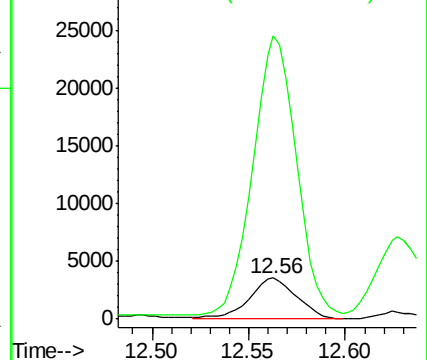
75 100

77 615.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 74.827 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064928.D

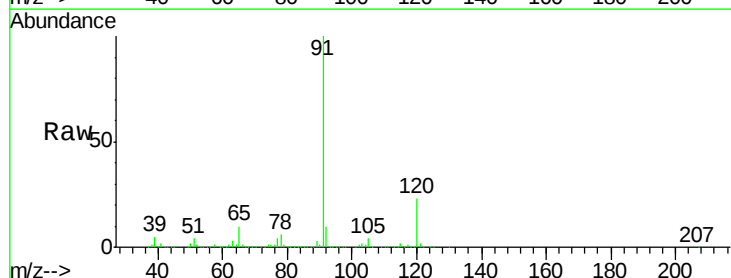
Acq: 4 Dec 2020 18:54

Tgt Ion: 91 Resp: 1016115

Ion Ratio Lower Upper

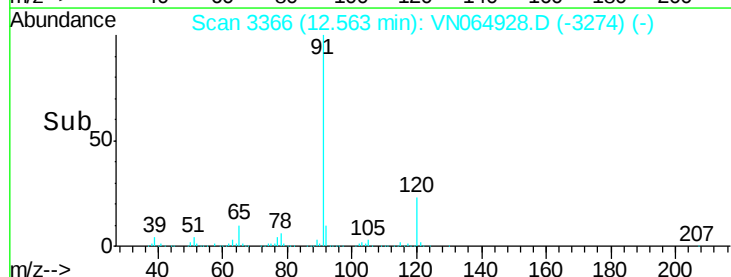
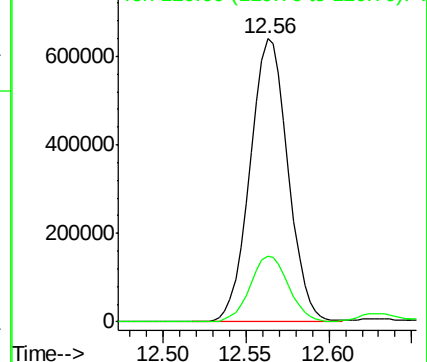
91 100

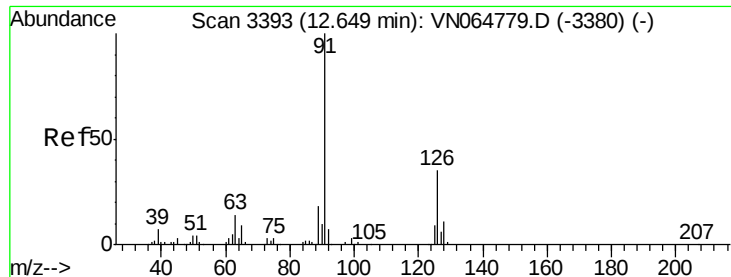
120 23.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.527 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.06 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

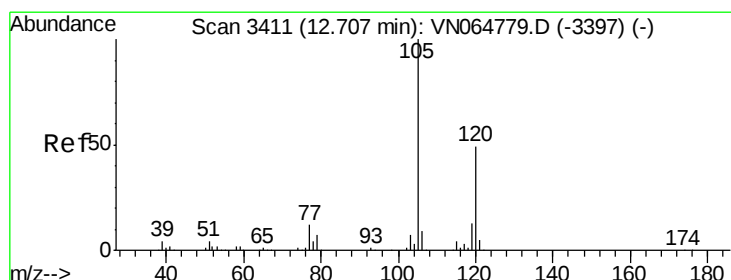
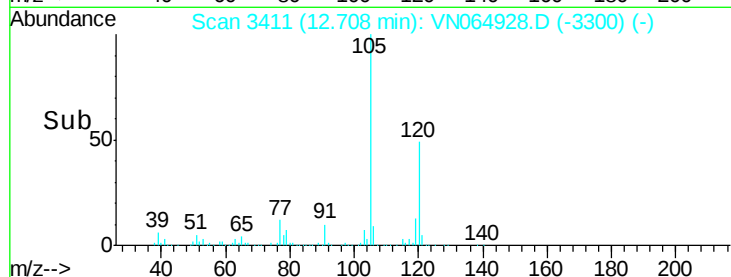
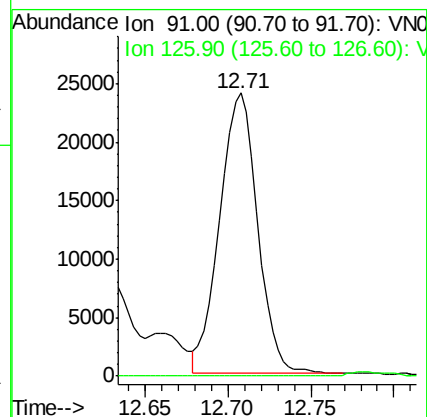
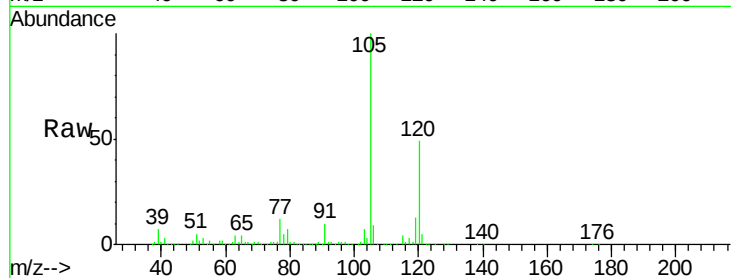
SS013-13-6712-120120

Tot Ion: 91 Resp: 37998

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



#80

1,3,5-Trimethylbenzene

Concen: 38.345 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064928.D

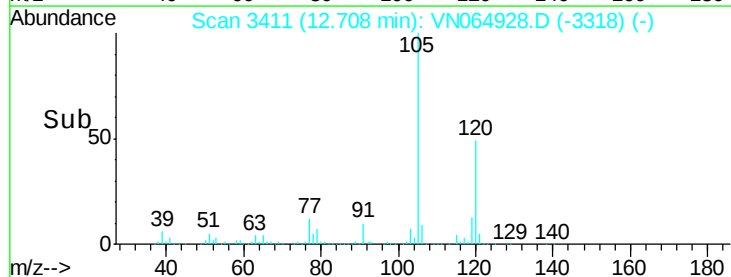
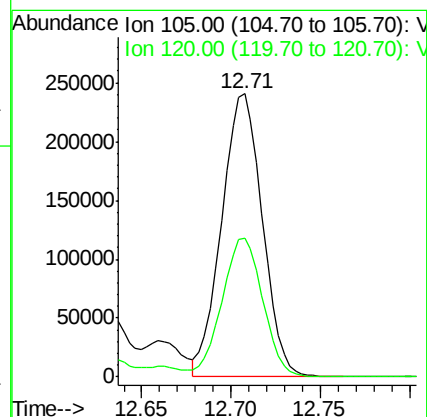
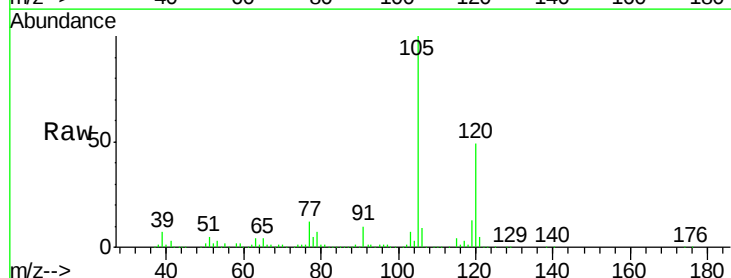
Acq: 4 Dec 2020 18:54

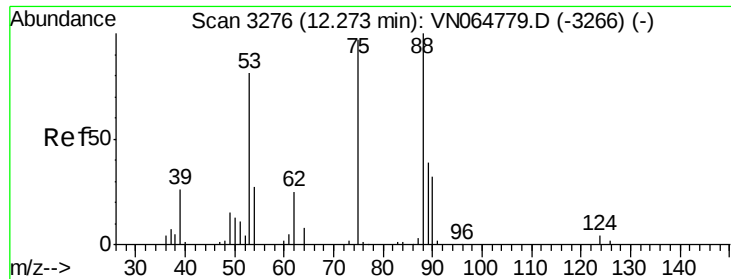
Tgt Ion:105 Resp: 379923

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 5.888 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.05 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120

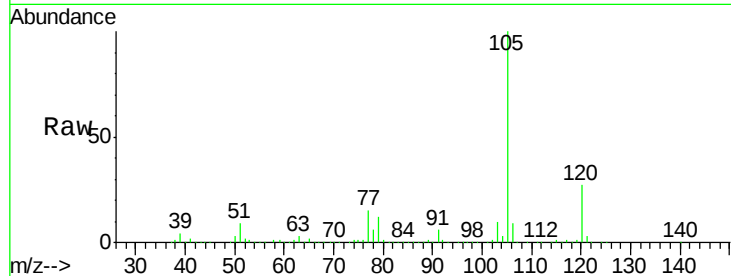
Tot Ion: 75 Resp: 7929

Ion Ratio Lower Upper

75 100

53 104.8 67.0 100.4#

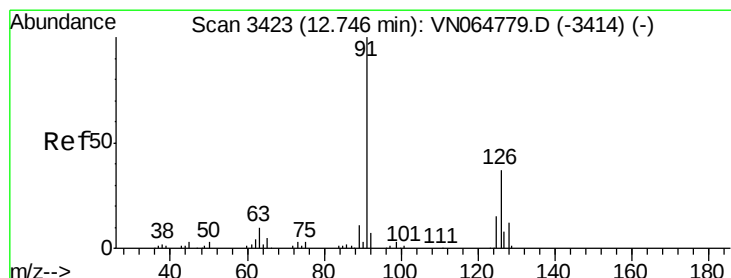
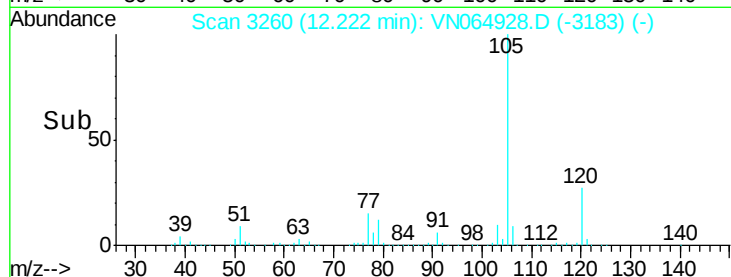
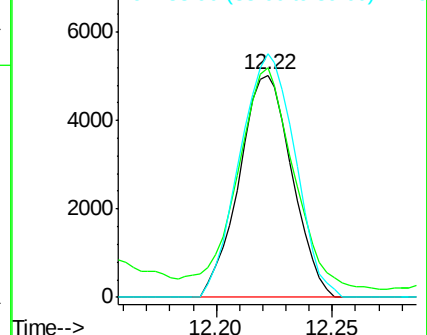
89 114.8 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 4.319 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.04 min

Lab File: VN064928.D

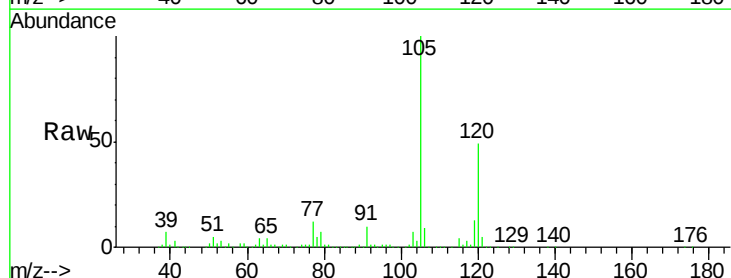
Acq: 4 Dec 2020 18:54

Tgt Ion: 91 Resp: 37998

Ion Ratio Lower Upper

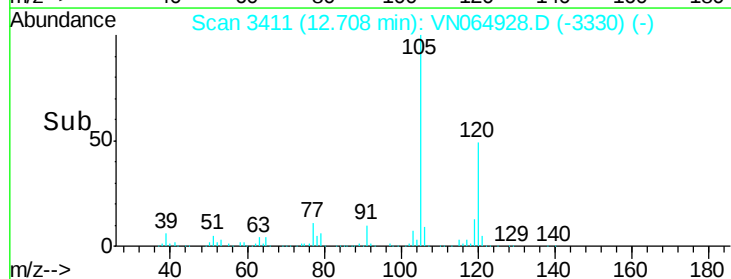
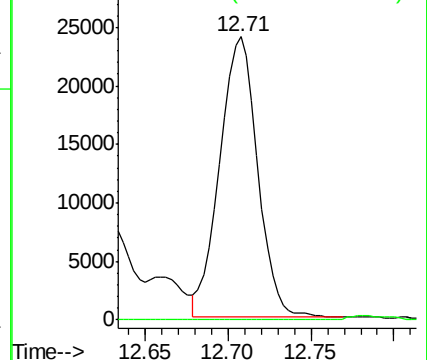
91 100

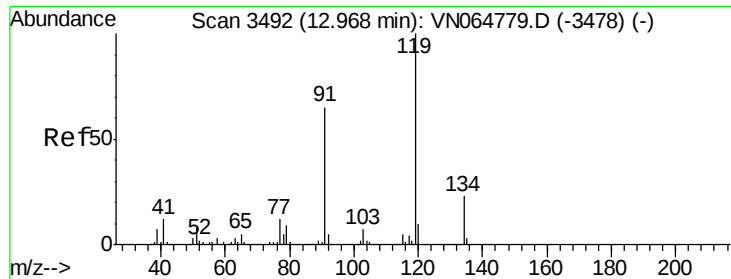
126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

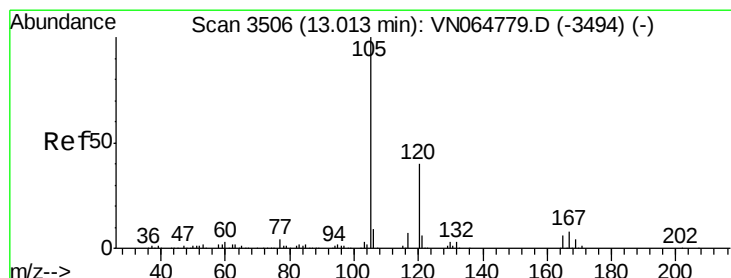
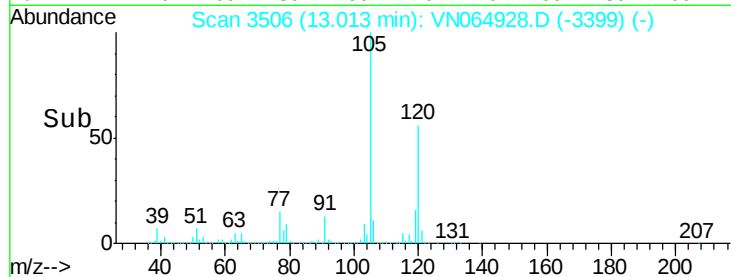
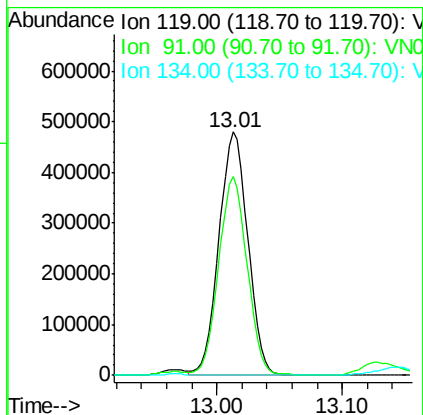
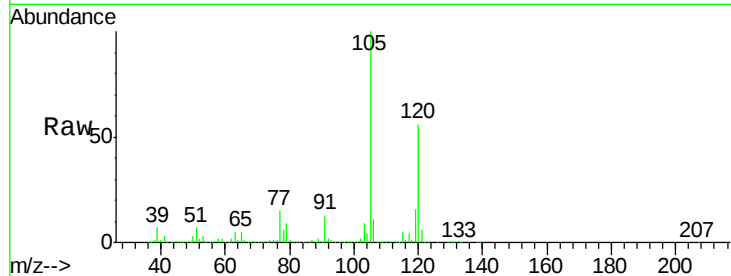




#83
 tert-Butylbenzene
 Concen: 92.332 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.05 min
 Lab File: VN064928.D
 Acq: 4 Dec 2020 18:54

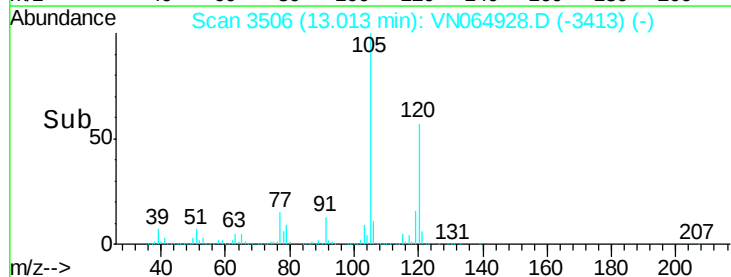
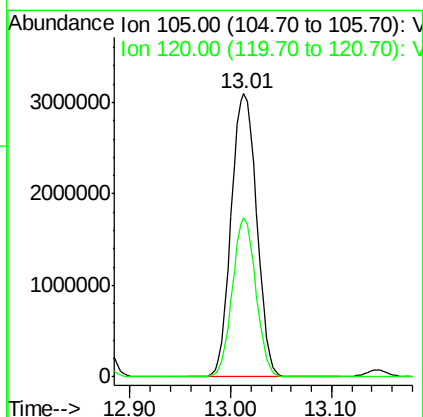
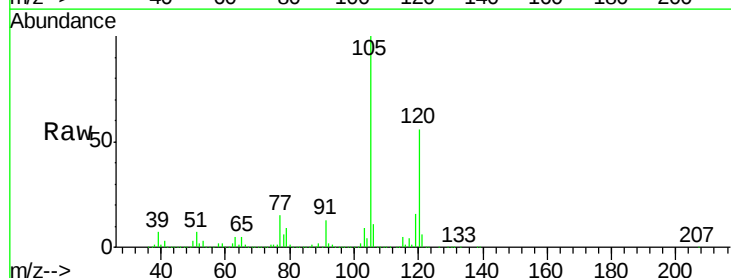
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6712-120120

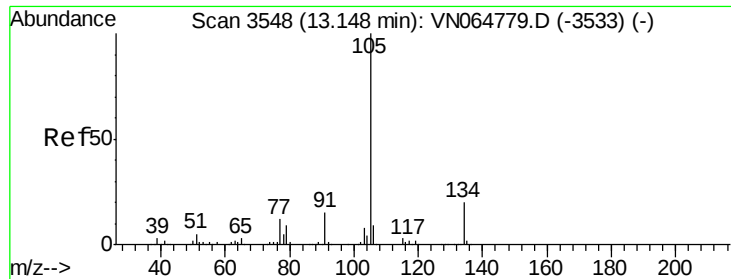
Tot Ion:119 Resp: 766806
 Ion Ratio Lower Upper
 119 100
 91 80.2 32.3 96.8
 134 0.0 12.6 37.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 544.057 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064928.D
 Acq: 4 Dec 2020 18:54

Tgt Ion:105 Resp: 5450221
 Ion Ratio Lower Upper
 105 100
 120 51.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 494.249 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

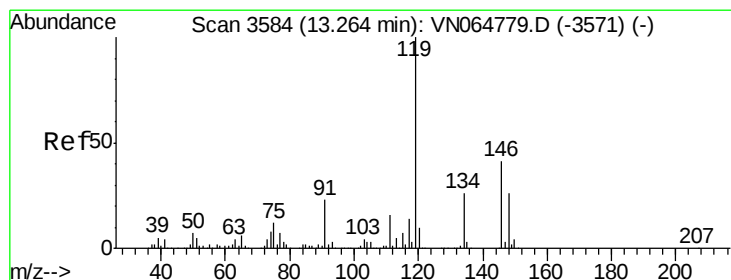
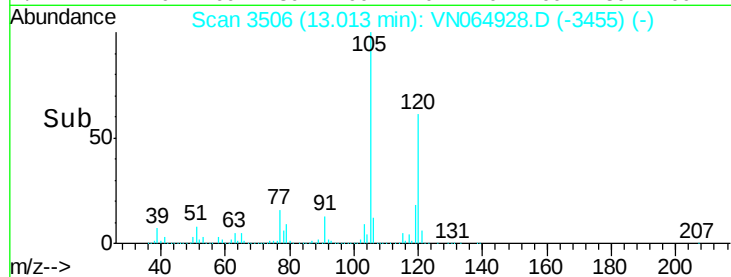
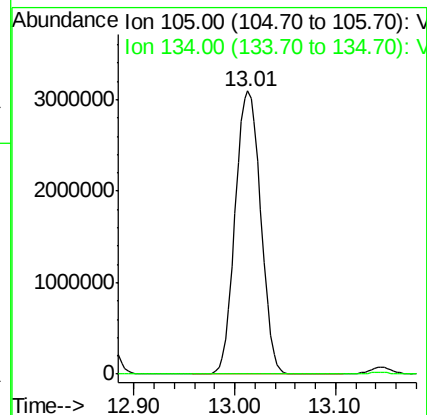
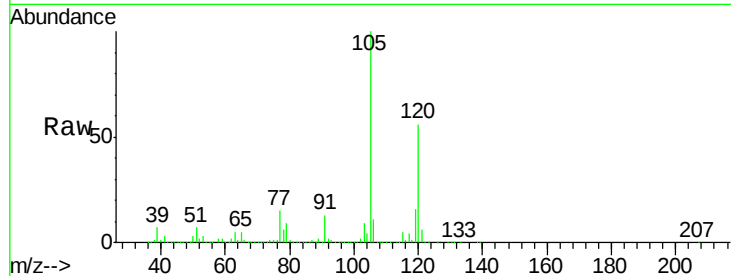
SS013-13-6712-120120

Tot Ion:105 Resp: 5449906

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#86

p-Isopropyltoluene

Concen: 14.010 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

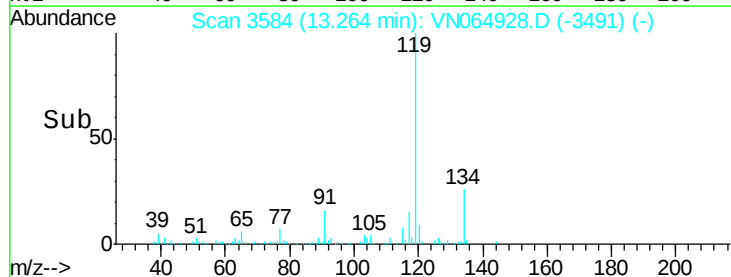
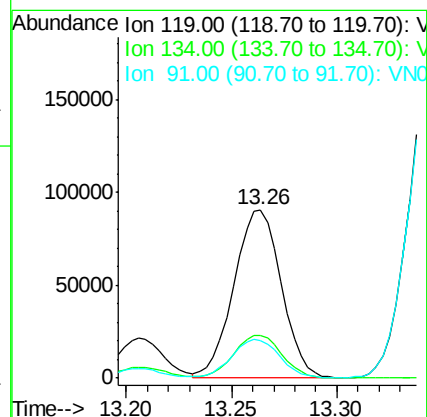
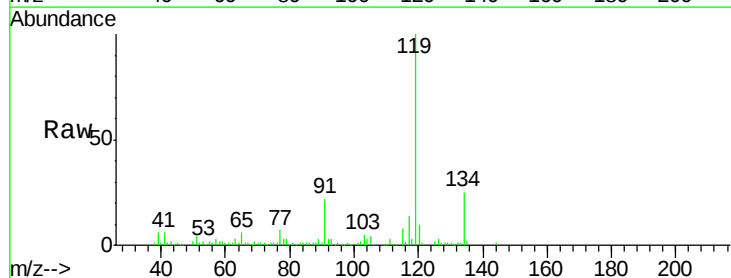
Tgt Ion:119 Resp: 140647

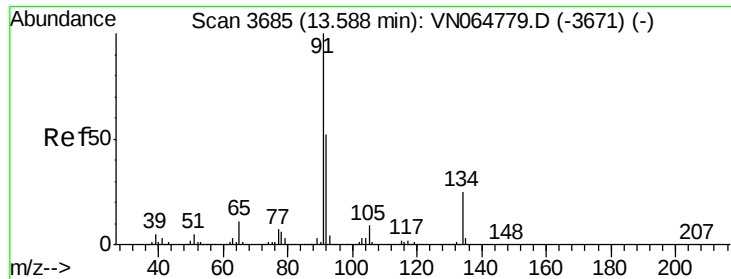
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 22.6 11.5 34.5





#89

n-Butylbenzene

Concen: 11.499 ug/l

RT: 13.59 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120

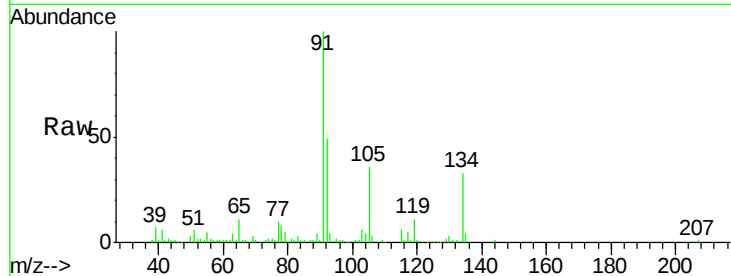
Tot Ion: 91 Resp: 101376

Ion Ratio Lower Upper

91 100

92 40.2 26.0 78.0

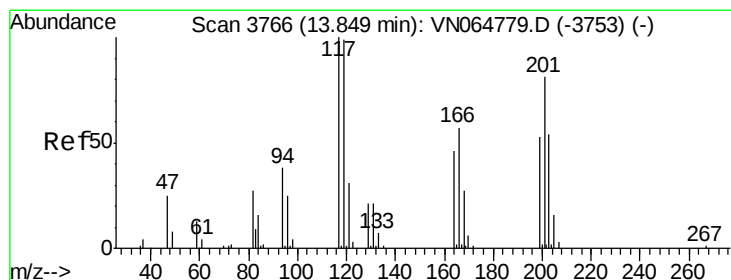
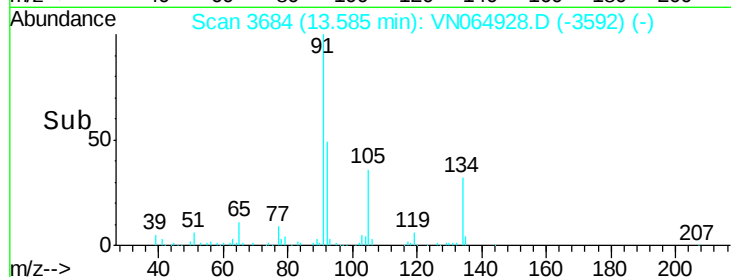
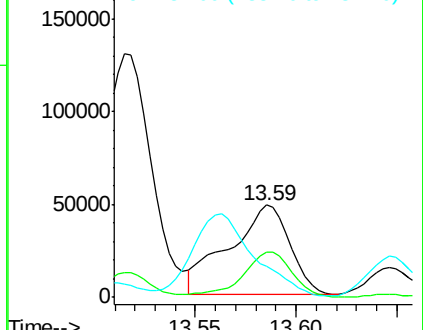
134 0.0 12.9 38.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 25.430 ug/l

RT: 13.86 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN064928.D

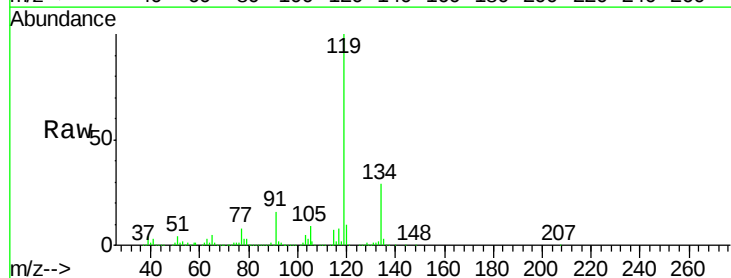
Acq: 4 Dec 2020 18:54

Tgt Ion: 117 Resp: 44350

Ion Ratio Lower Upper

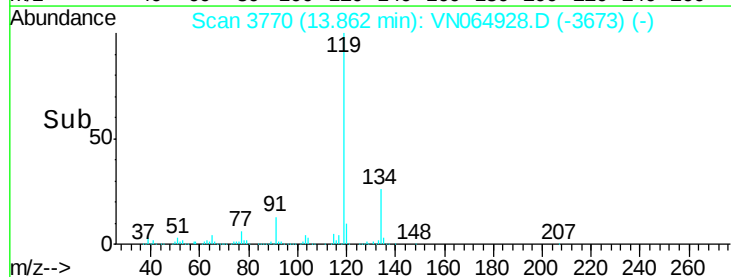
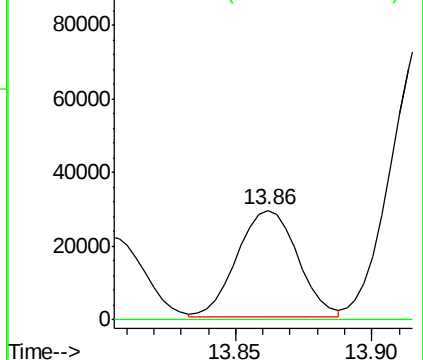
117 100

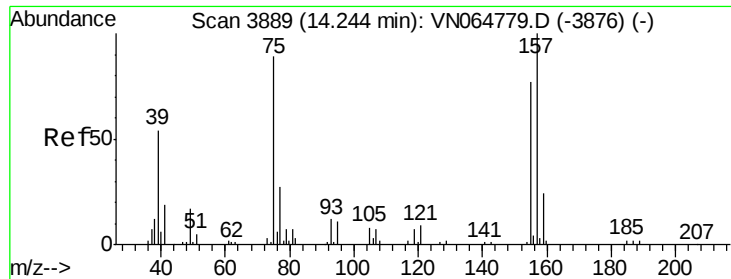
201 0.0 40.1 120.3#



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: 4.358 ug/l

RT: 14.22 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120

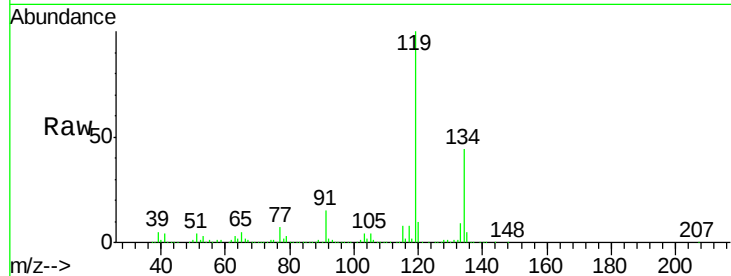
Tot Ion: 75 Resp: 3426

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.3#

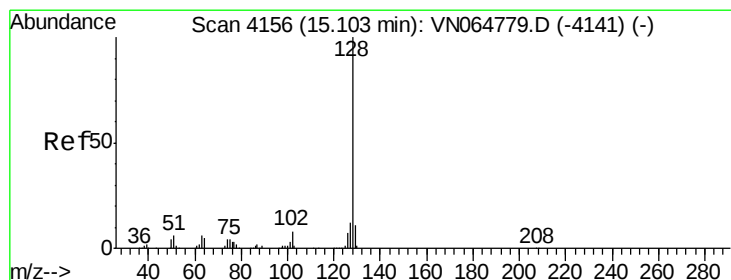
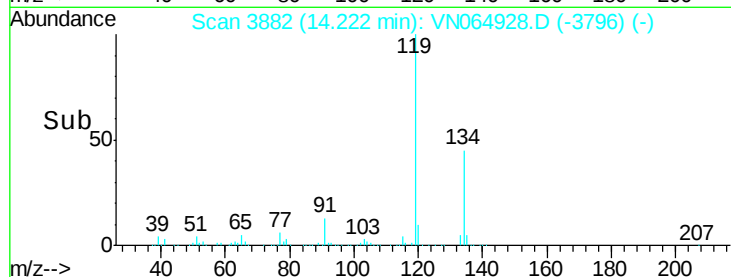
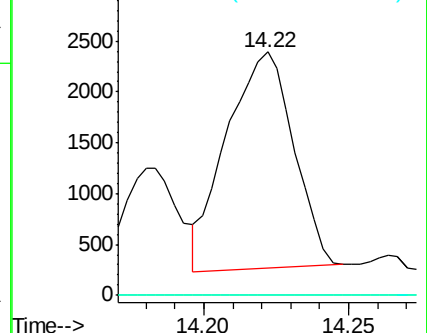
157 0.0 56.4 169.1#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3876) (-)

Ion 154.80 (154.50 to 155.50): VN064779.D (-3876) (-)

Ion 156.80 (156.50 to 157.50): VN064779.D (-3876) (-)



#95

Naphthalene

Concen: 217.539 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064928.D

Acq: 4 Dec 2020 18:54

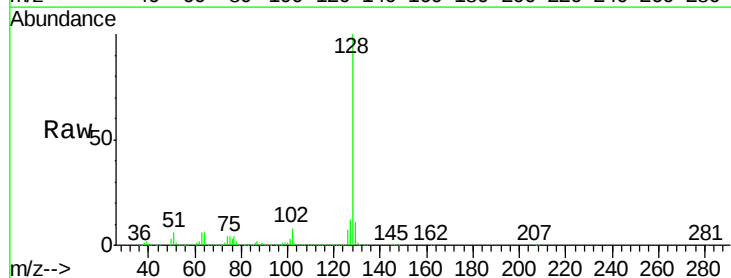
Tgt Ion:128 Resp: 2260220

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VN064779.D (-4141) (-)

Ion 127.00 (126.70 to 127.70): VN064779.D (-4141) (-)

Ion 129.00 (128.70 to 129.70): VN064779.D (-4141) (-)

