

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064924.D
 Acq On : 4 Dec 2020 17:18
 Operator : JC/MD
 Sample : L4954-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-PMP04D-120120

Quant Time: Dec 05 01:32:09 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	176127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	309084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146598	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104993	51.28	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.56%
35) Dibromofluoromethane	7.55	113	96590	52.23	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.46%
50) Toluene-d8	10.06	98	389111	51.49	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.98%
62) 4-Bromofluorobenzene	12.38	95	152911	56.54	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.08%

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	548	0.276	ug/l #	41
13) Acrolein	3.76	56	609	3.122	ug/l	89
14) Allyl chloride	4.46	41	945	0.335	ug/l #	26
16) Acetone	3.78	43	11584	17.210	ug/l	99
18) Methyl Acetate	4.47	43	3422	1.691	ug/l #	50
20) Methylene Chloride	4.49	84	512	0.243	ug/l #	75
25) 2-Butanone	6.79	43	714	0.654	ug/l #	49
31) Cyclohexane	7.61	56	38824	13.604	ug/l	96
36) 1,1-Dichloropropene	7.62	75	12392	4.325	ug/l #	53
37) Ethyl Acetate	6.79	43	714	0.259	ug/l #	66
38) Carbon Tetrachloride	7.63	117	16455	5.520	ug/l #	15
39) Methylcyclohexane	9.05	83	40902	13.262	ug/l	97
40) Benzene	8.00	78	29855	3.401	ug/l	98
41) Methacrylonitrile	7.34	41	1099	0.863	ug/l #	29
43) Isopropyl Acetate	8.11	43	3624	0.816	ug/l #	59
48) Methyl methacrylate	9.11	41	745	0.351	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	1429	0.536	ug/l #	60
55) 1,1,2-Trichloroethane	10.50	97	8100	3.643	ug/l #	18
56) Ethyl methacrylate	10.40	69	4646	1.514	ug/l #	20
67) Ethyl Benzene	11.49	91	10437	0.916	ug/l	92
68) m/p-Xylenes	11.59	106	1944	0.451	ug/l	80
71) Bromoform	12.38	173	878	0.439	ug/l #	1
73) Isopropylbenzene	12.22	105	14326	1.405	ug/l	96
76) 1,2,3-Trichloropropane	12.38	75	71960	22.793	ug/l #	100
78) n-propylbenzene	12.57	91	11594	0.998	ug/l	97
79) 2-Chlorotoluene	12.57	91	11594	1.615	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.87	105	2254	0.266	ug/l	67
81) trans-1,4-Dichloro-2-buten	12.38	75	71960	62.470	ug/l #	15
82) 4-Chlorotoluene	12.57	91	11594	1.540	ug/l #	41
83) tert-Butylbenzene	12.97	119	1954	0.275	ug/l	84
84) 1,2,4-Trimethylbenzene	13.01	105	50861	5.935	ug/l	99
85) sec-Butylbenzene	13.14	105	5931	0.629	ug/l	90
89) n-Butylbenzene	13.57	91	2486	0.330	ug/l #	47
90) Hexachloroethane	13.86	117	1176	0.788	ug/l #	9

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QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration

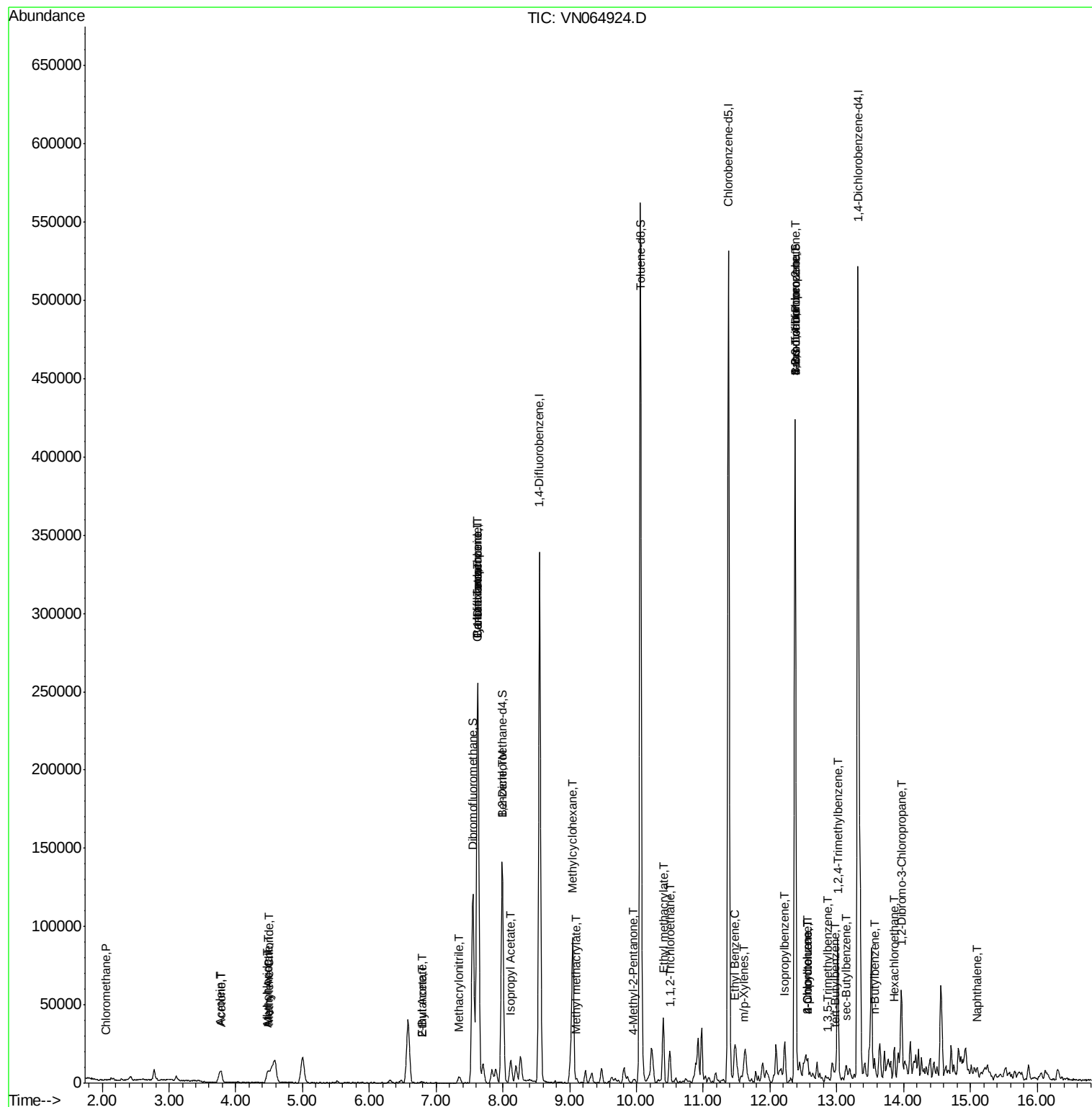
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.97	75	225	0.335	ug/l #	1
95) Naphthalene	15.11	128	5333	0.600	ug/l #	95

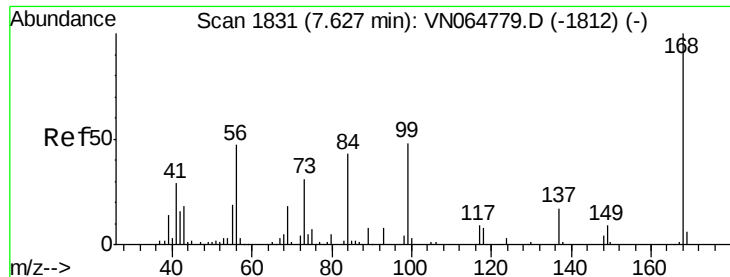
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

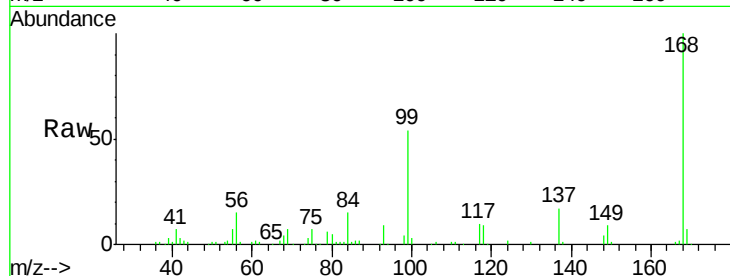
SS013-PMP04D-120120

Tot Ion:168 Resp: 176127

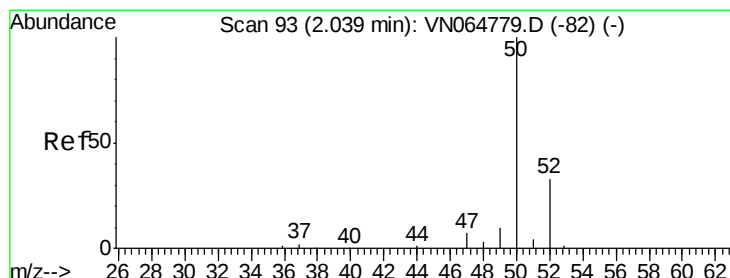
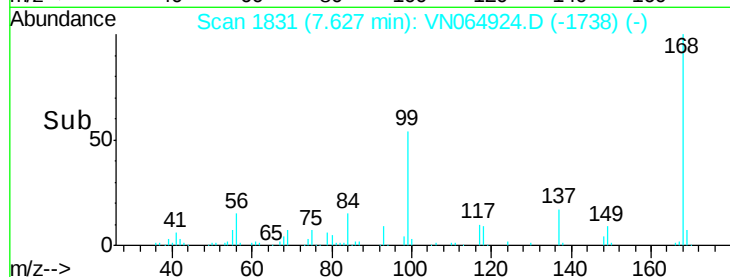
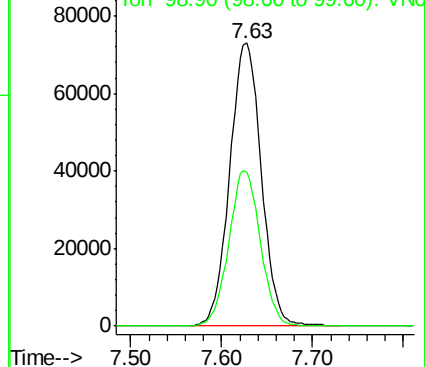
Ion Ratio Lower Upper

168 100

99 54.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064924.D (-1738) (-)



#3

Chloromethane

Concen: 0.276 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064924.D

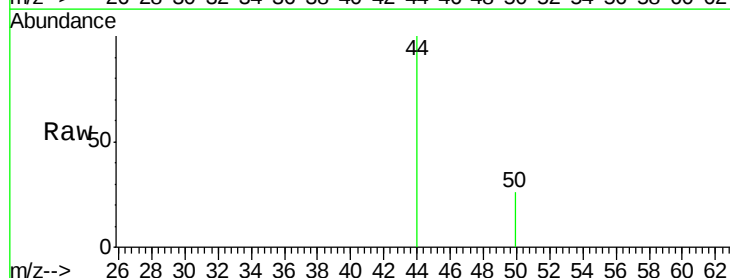
Acq: 4 Dec 2020 17:18

Tgt Ion: 50 Resp: 548

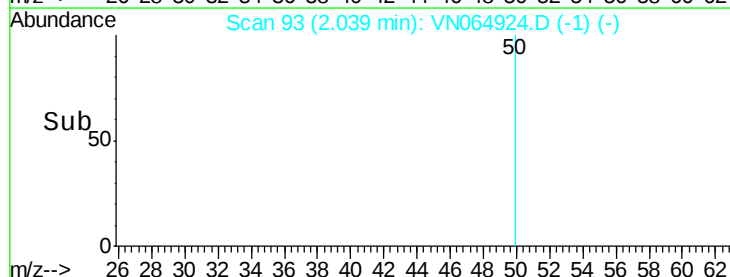
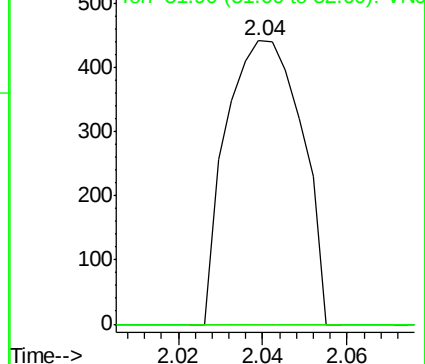
Ion Ratio Lower Upper

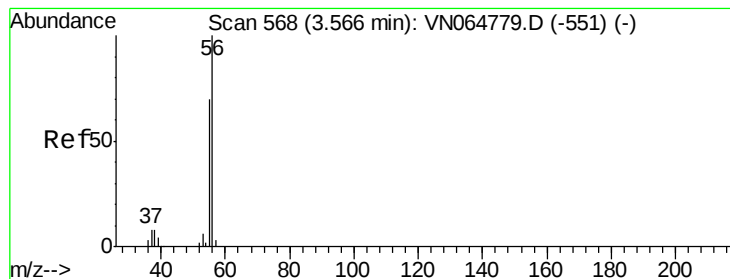
50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VN064924.D (-1) (-)





#13

Acrolein

Concen: 3.122 ug/l

RT: 3.76 min Scan# 627

Delta R.T. 0.19 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

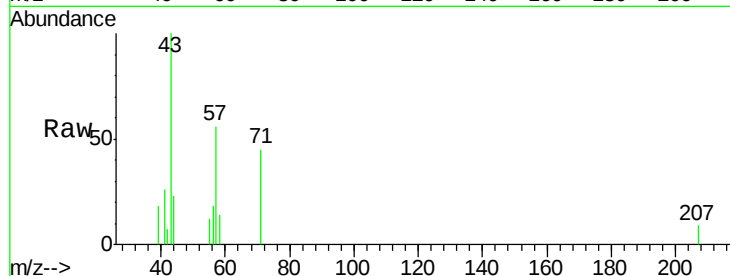
SS013-PMP04D-120120

Tot Ion: 56 Resp: 609

Ion Ratio Lower Upper

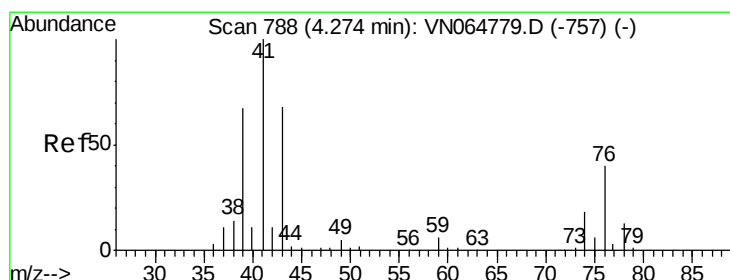
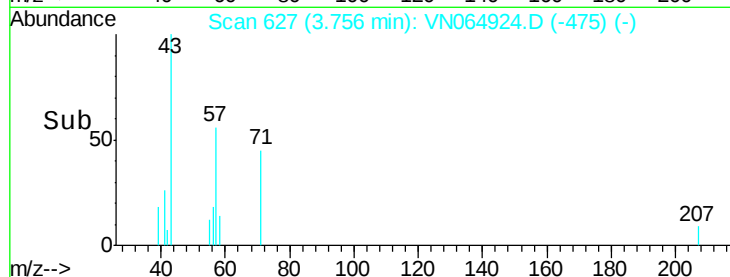
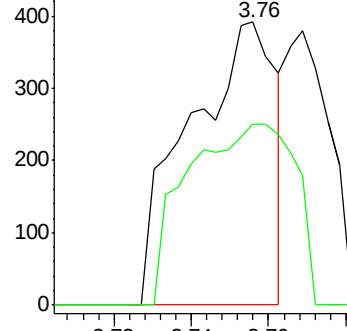
56 100

55 79.5 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.335 ug/l

RT: 4.46 min Scan# 846

Delta R.T. 0.19 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

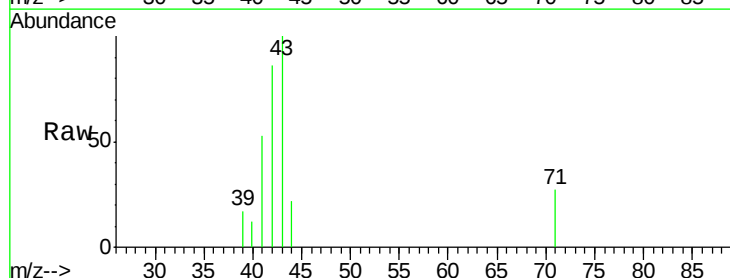
Tgt Ion: 41 Resp: 945

Ion Ratio Lower Upper

41 100

39 0.0 50.9 76.3#

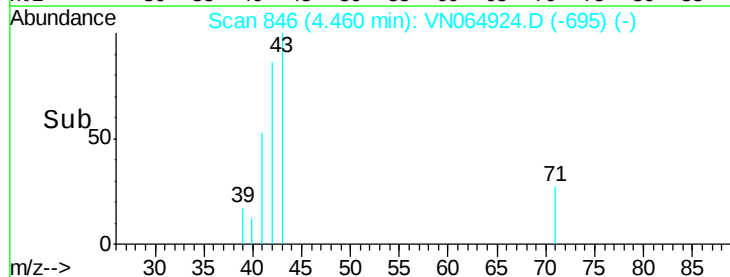
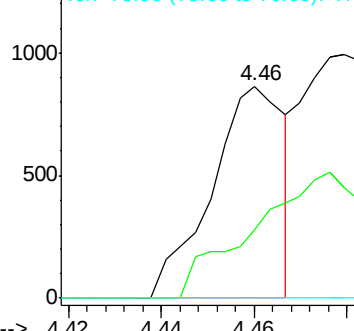
76 0.0 29.0 43.4#

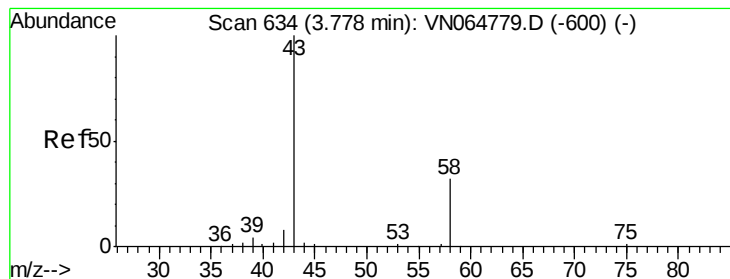


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 17.210 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

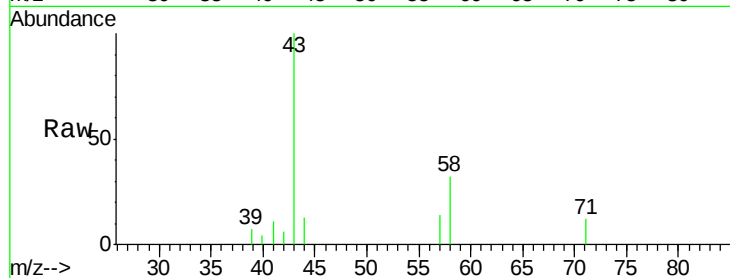
SS013-PMP04D-120120

Tot Ion: 43 Resp: 11584

Ion Ratio Lower Upper

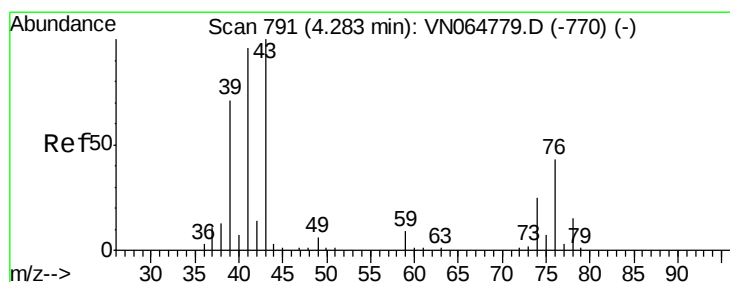
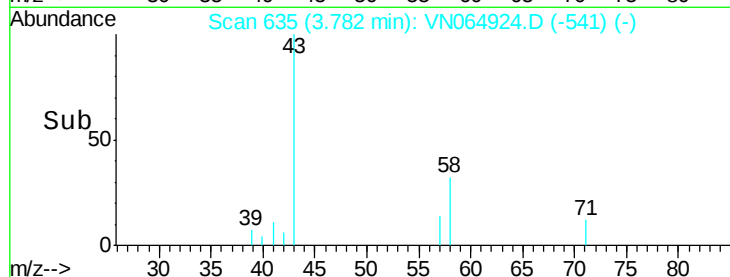
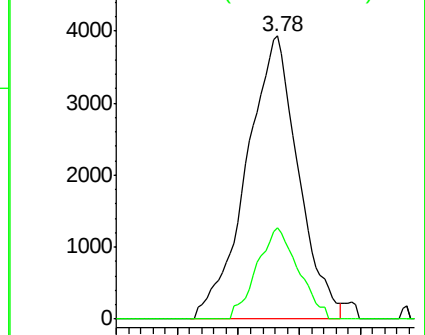
43 100

58 32.4 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064924.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN064924.D (-541) (-)



#18

Methyl Acetate

Concen: 1.691 ug/l

RT: 4.47 min Scan# 849

Delta R.T. 0.19 min

Lab File: VN064924.D

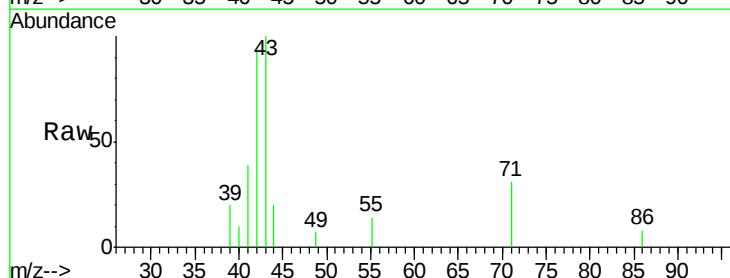
Acq: 4 Dec 2020 17:18

Tgt Ion: 43 Resp: 3422

Ion Ratio Lower Upper

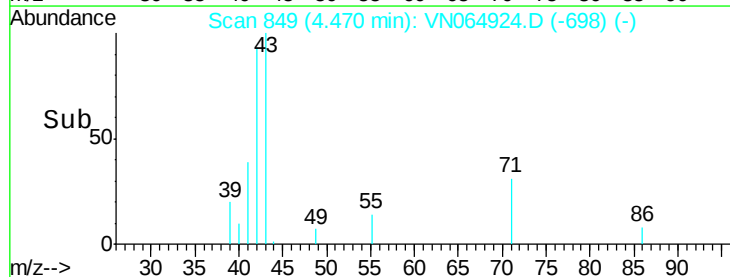
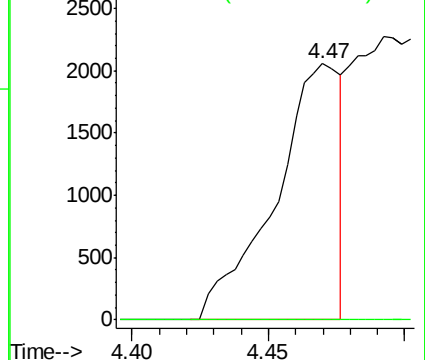
43 100

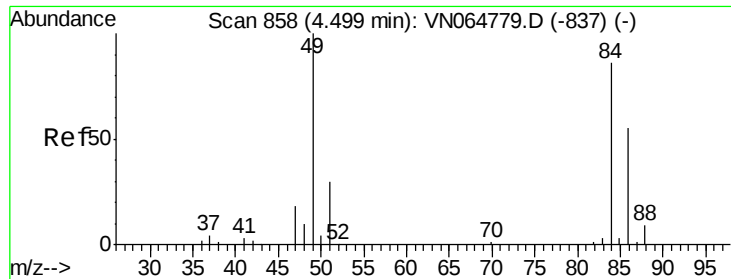
74 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN064924.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064924.D (-698) (-)

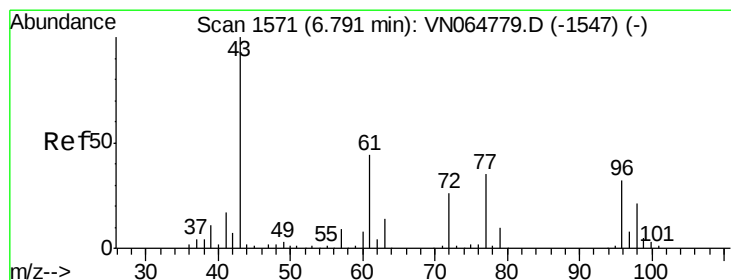
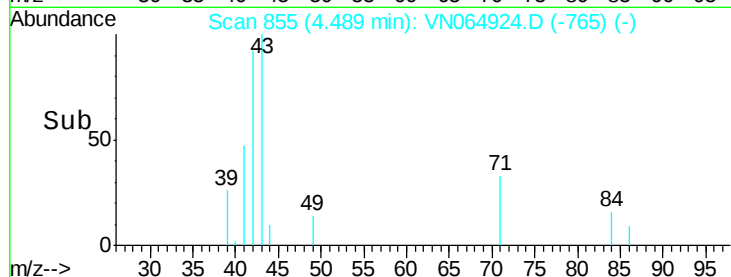
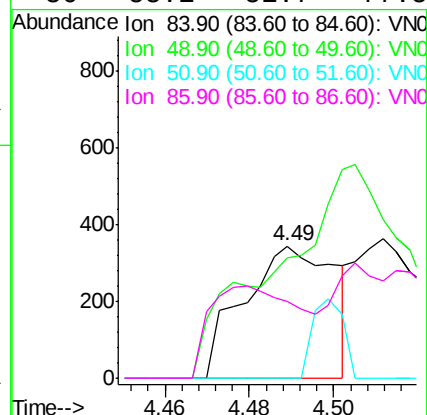
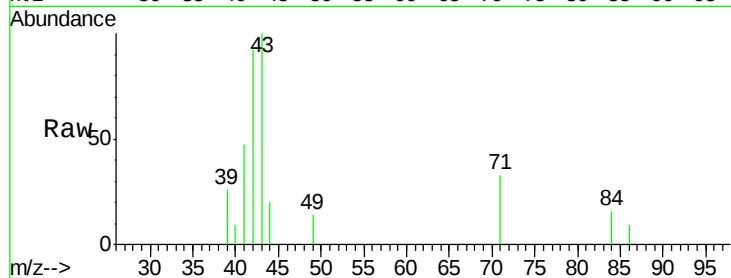




#20
Methvlene Chloride
Concen: 0.243 ug/l
RT: 4.49 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

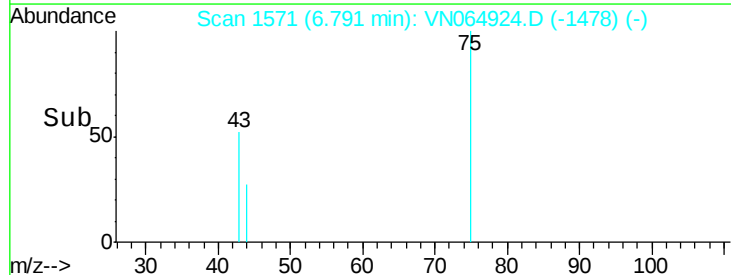
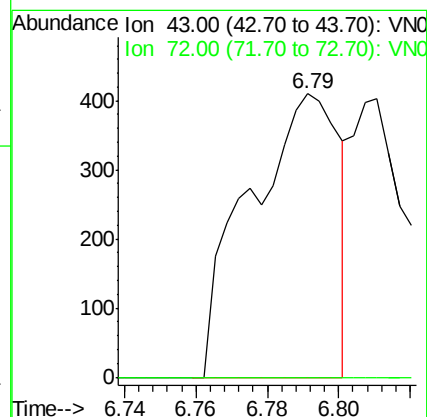
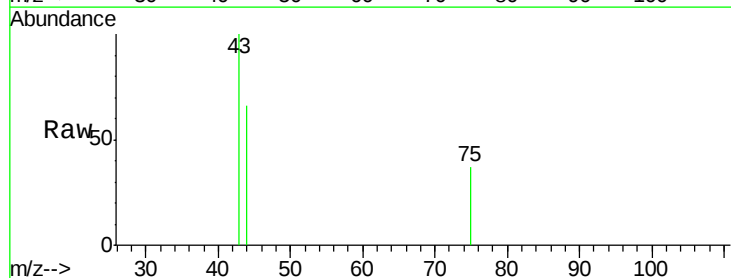
Instrument :
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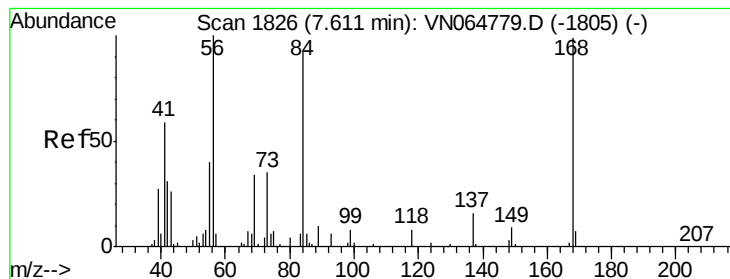
Tot Ion: 84 Resp: 512
Ion Ratio Lower Upper
84 100
49 90.7 93.4 140.0#
51 0.0 28.2 42.4#
86 58.1 51.7 77.5



#25
2-Butanone
Concen: 0.654 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#





#31

Cyclohexane

Concen: 13.604 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

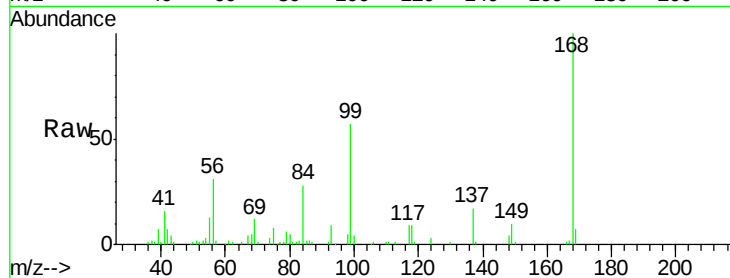
Tot Ion: 56 Resp: 38824

Ion Ratio Lower Upper

56 100

69 38.1 27.5 41.3

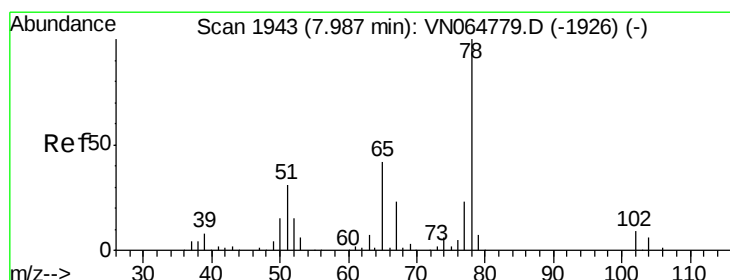
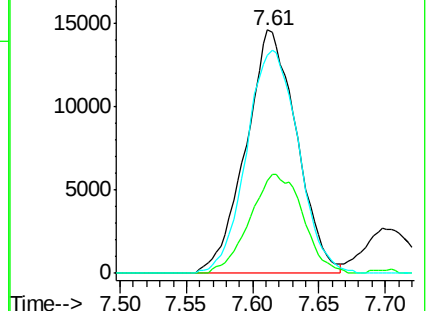
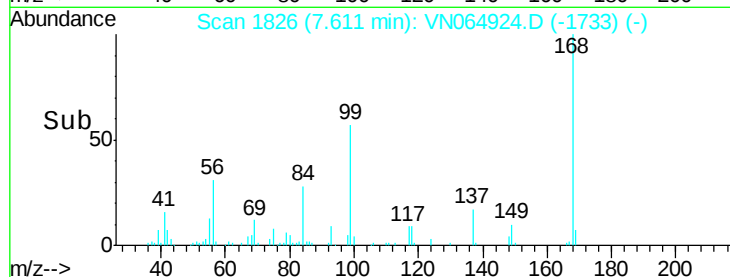
84 89.6 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VN064924.D (-1733) (-)

Ion 69.00 (68.70 to 69.70): VN064924.D (-1733) (-)

Ion 84.00 (83.70 to 84.70): VN064924.D (-1733) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.276 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064924.D

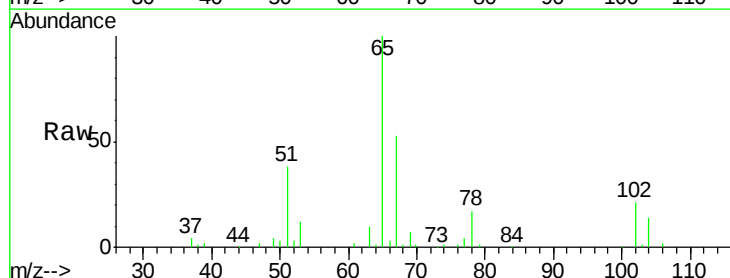
Acq: 4 Dec 2020 17:18

Tgt Ion: 65 Resp: 104993

Ion Ratio Lower Upper

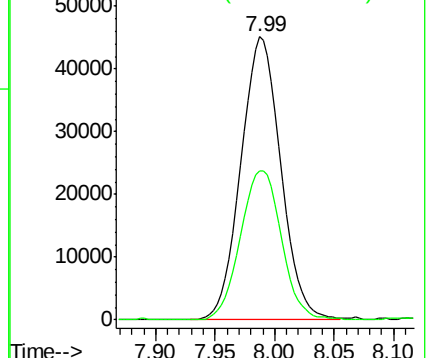
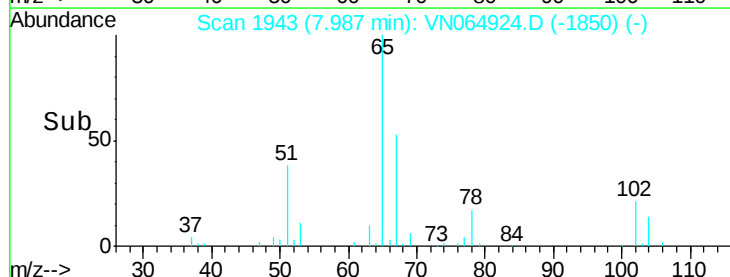
65 100

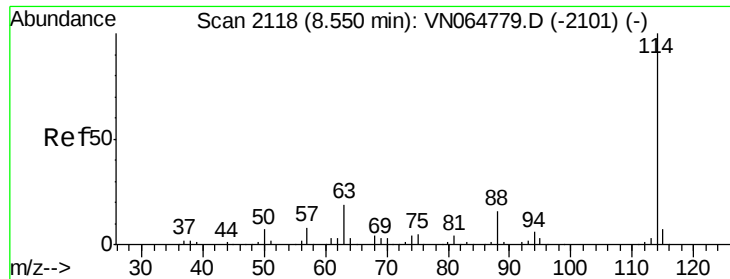
67 54.1 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064924.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064924.D (-1850) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

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ClientSampleId :

SS013-PMP04D-120120

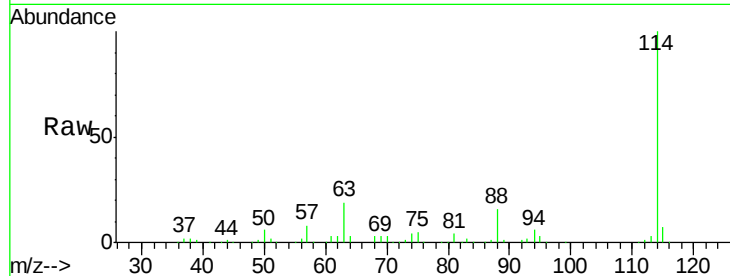
Tot Ion:114 Resp: 309084

Ion Ratio Lower Upper

114 100

63 19.0 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): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.55

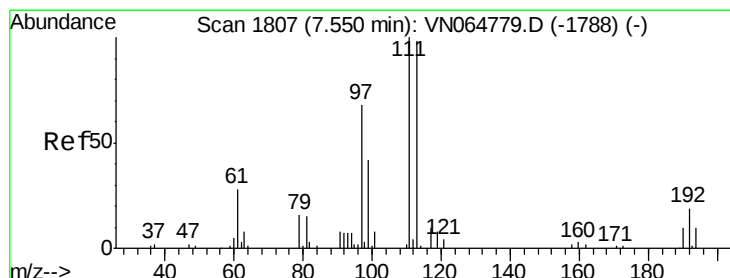
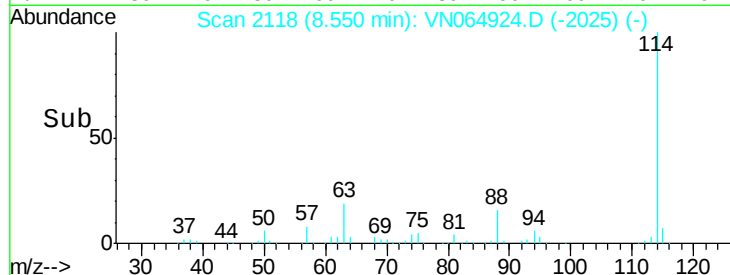
150000

100000

50000

0

Time-->



#35

Dibromofluoromethane

Concen: 52.226 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

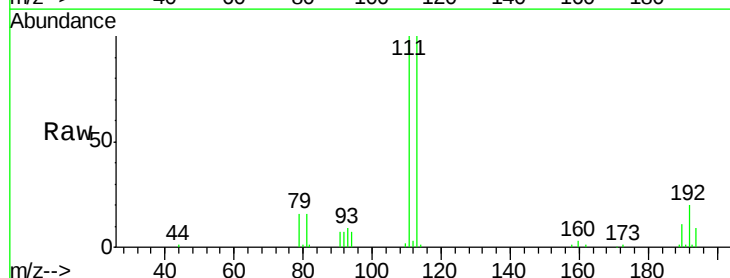
Tgt Ion:113 Resp: 96590

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

192 19.4 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

7.55

50000

40000

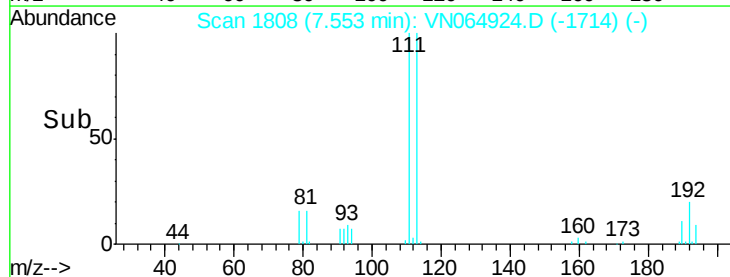
30000

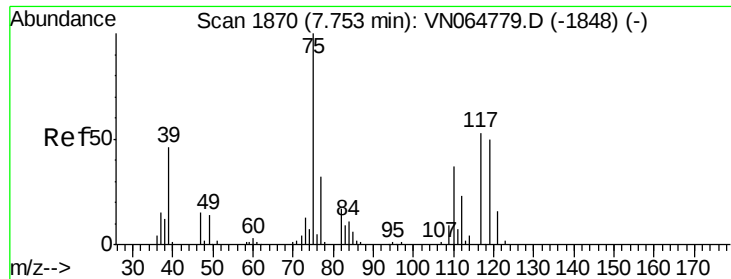
20000

10000

0

Time-->





#36

1,1-Dichloropropene

Concen: 4.325 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

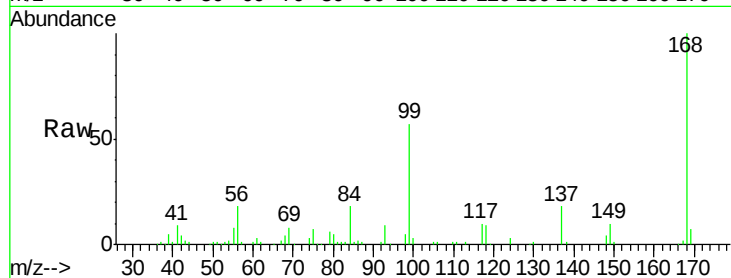
Tot Ion: 75 Resp: 12392

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.3#

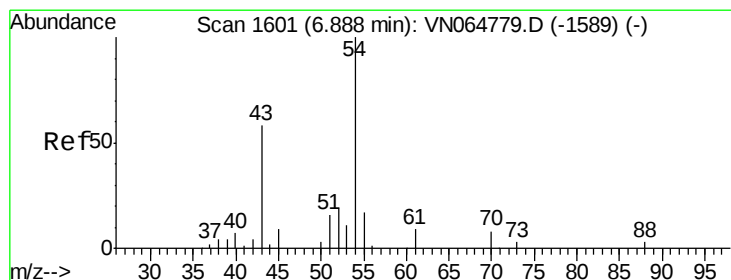
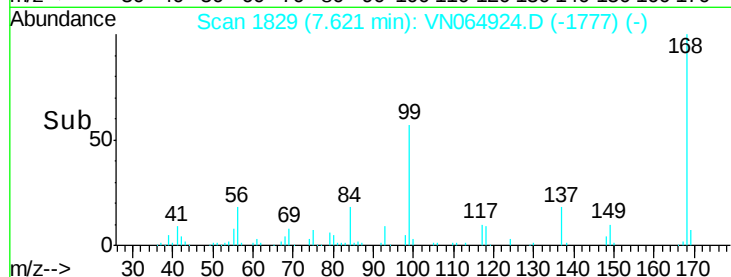
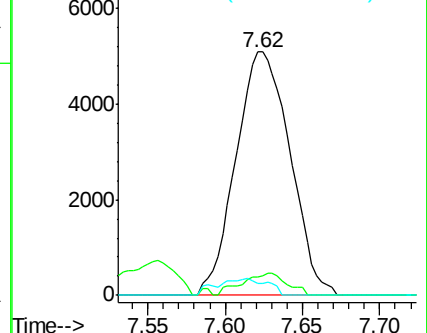
77 5.3 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.259 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. -0.10 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

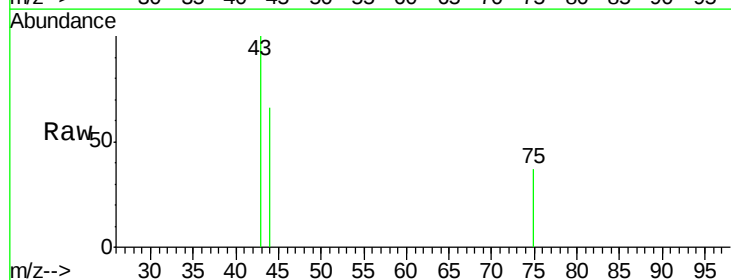
Tgt Ion: 43 Resp: 714

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

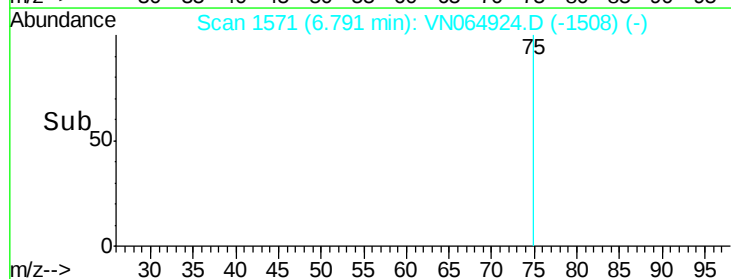
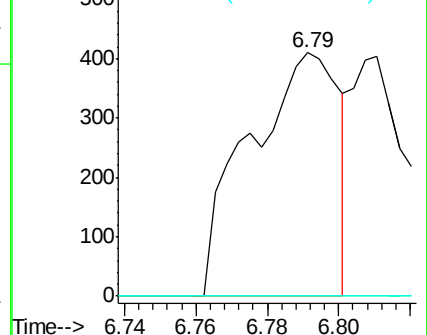
70 0.0 8.8 13.2#

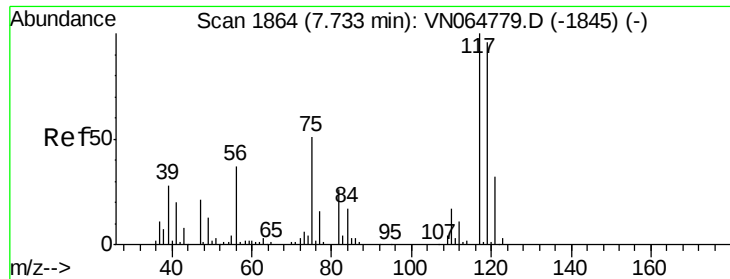


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.520 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

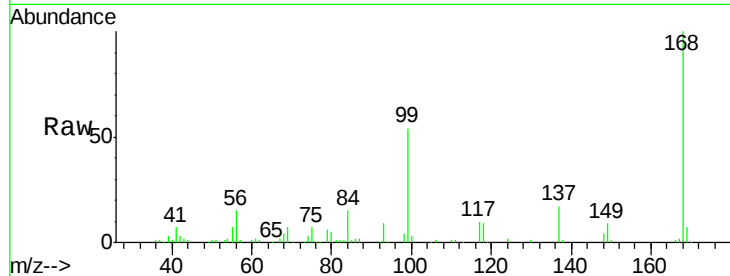
Tot Ion:117 Resp: 16455

Ion Ratio Lower Upper

117 100

119 4.2 76.7 115.1#

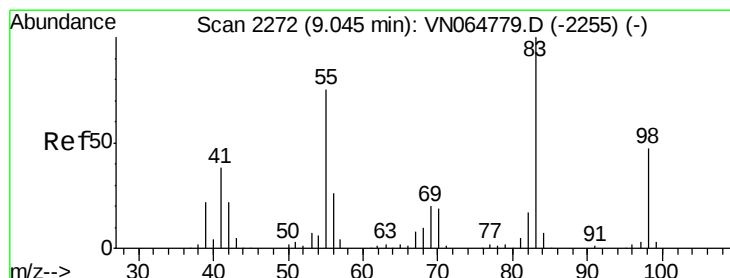
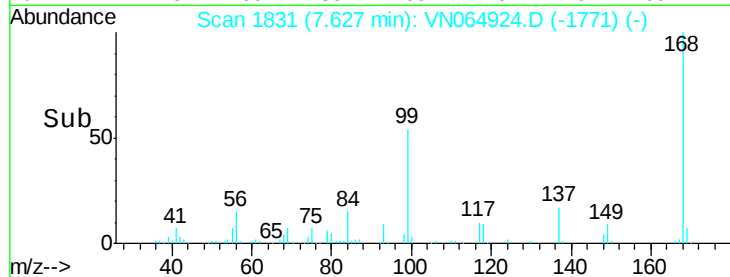
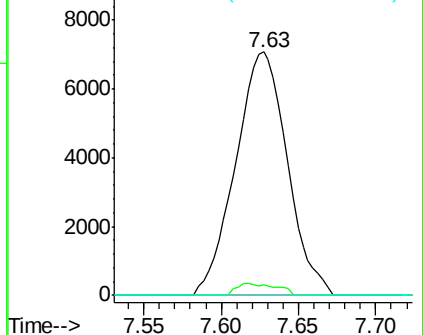
121 0.0 25.4 38.2#



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: 13.262 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

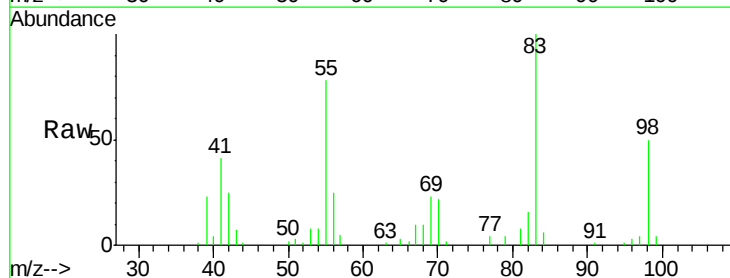
Tgt Ion: 83 Resp: 40902

Ion Ratio Lower Upper

83 100

55 77.3 60.2 90.2

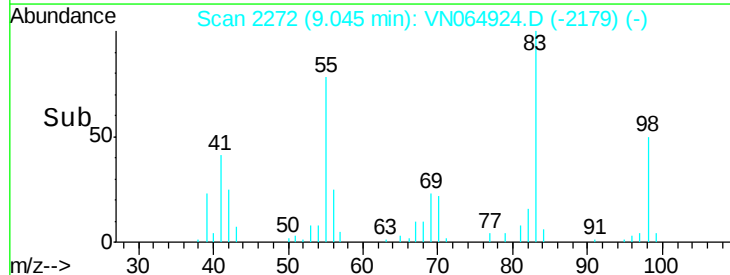
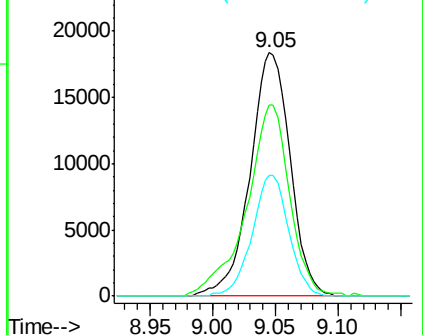
98 49.5 37.4 56.2

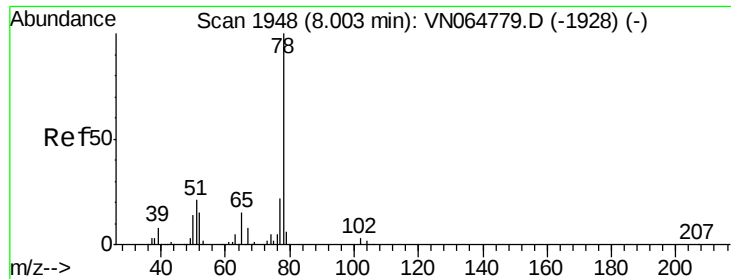


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 3.401 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

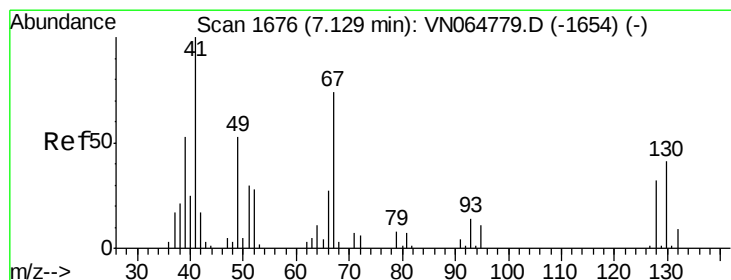
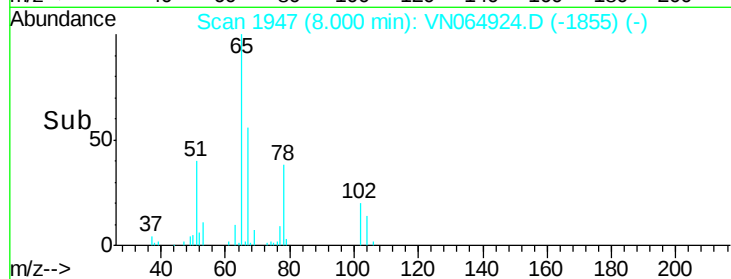
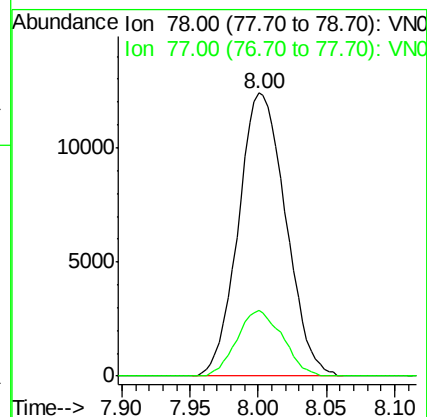
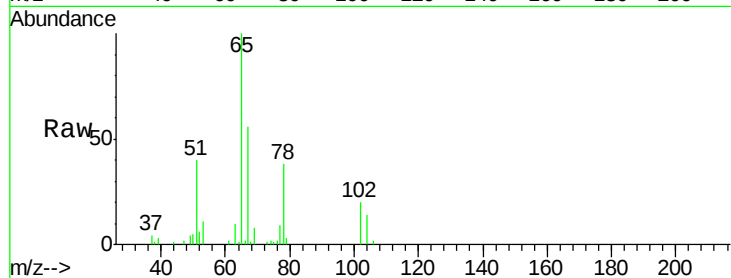
SS013-PMP04D-120120

Tot Ion: 78 Resp: 29855

Ion Ratio Lower Upper

78 100

77 23.3 17.9 26.9



#41

Methacrylonitrile

Concen: 0.863 ug/l

RT: 7.34 min Scan# 1742

Delta R.T. 0.21 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Tgt Ion: 41 Resp: 1099

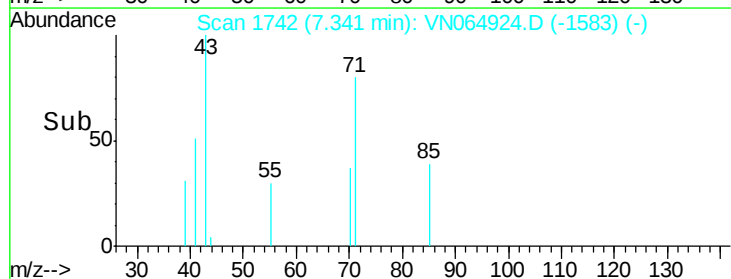
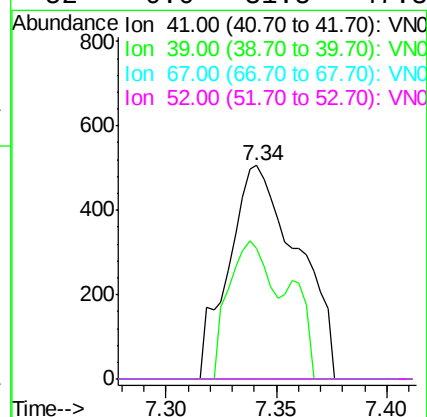
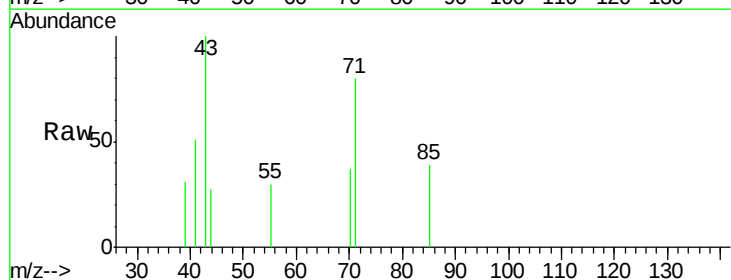
Ion Ratio Lower Upper

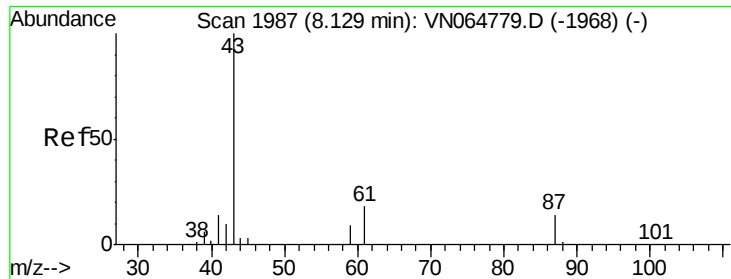
41 100

39 39.8 51.0 76.6#

67 0.0 79.8 119.8#

52 0.0 31.5 47.3#





#43

Isopropyl Acetate

Concen: 0.816 ug/l

RT: 8.11 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

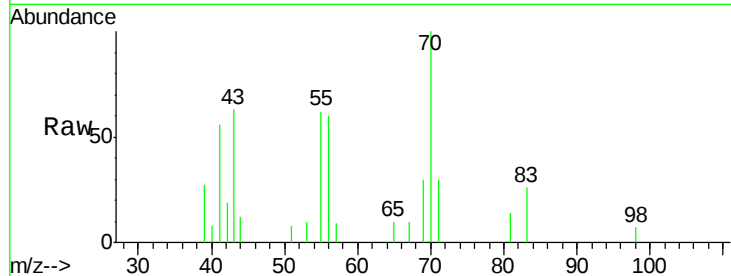
Tot Ion: 43 Resp: 3624

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

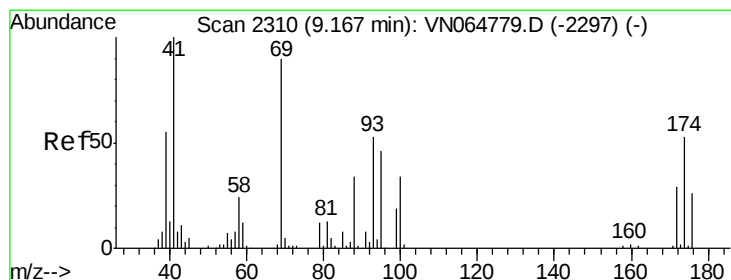
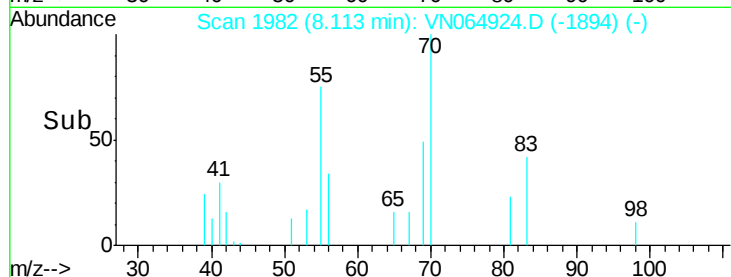
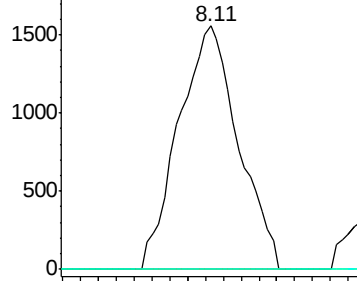
87 0.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN064779.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN064779.D (-1968) (-)



#48

Methyl methacrylate

Concen: 0.351 ug/l

RT: 9.11 min Scan# 2291

Delta R.T. -0.06 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

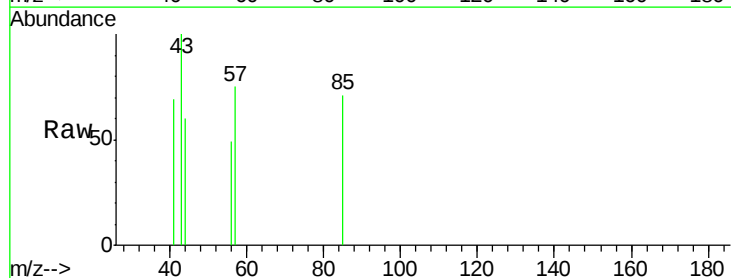
Tgt Ion: 41 Resp: 745

Ion Ratio Lower Upper

41 100

69 0.0 71.8 107.8#

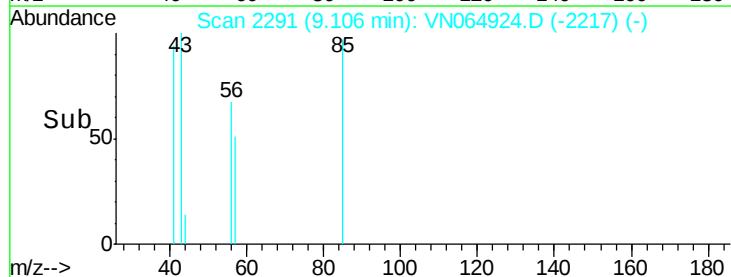
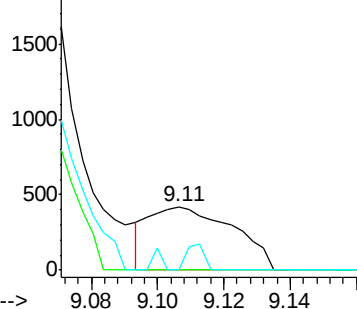
39 0.0 44.1 66.1#

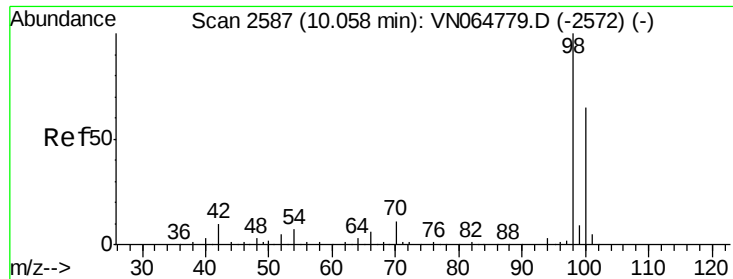


Abundance Ion 41.00 (40.70 to 41.70): VN064779.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-2297) (-)





#50

Toluene-d8

Concen: 51.492 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

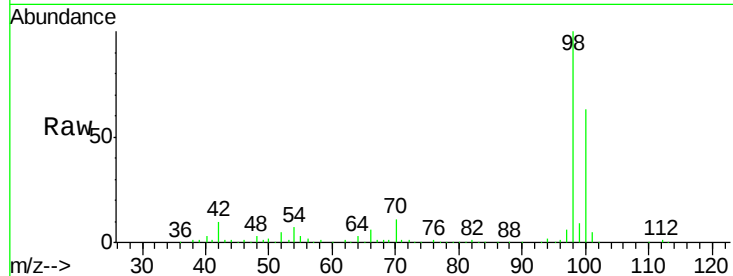
SS013-PMP04D-120120

Tot Ion: 98 Resp: 389111

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

250000

200000

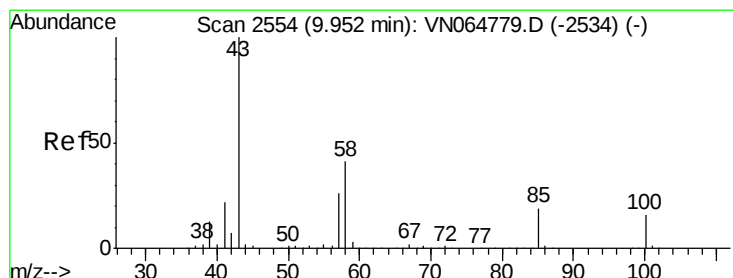
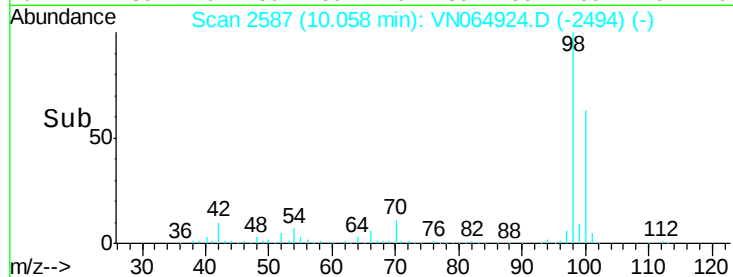
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.536 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064924.D

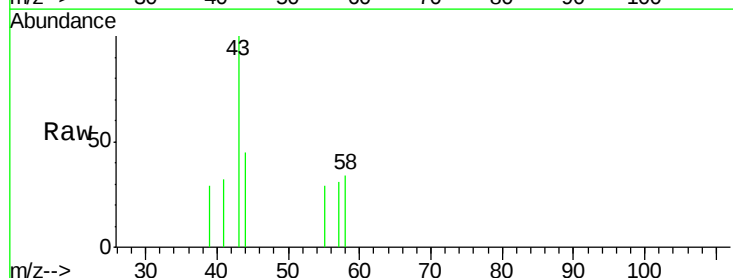
Acq: 4 Dec 2020 17:18

Tgt Ion: 43 Resp: 1429

Ion Ratio Lower Upper

43 100

58 15.6 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.95

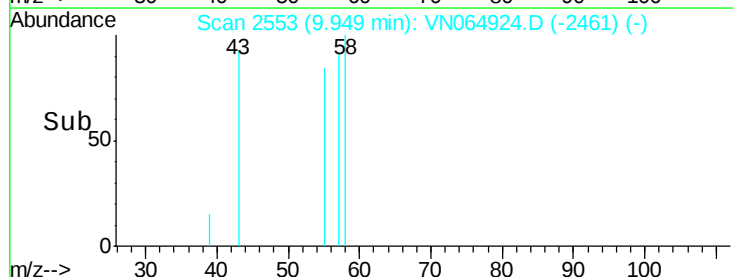
600

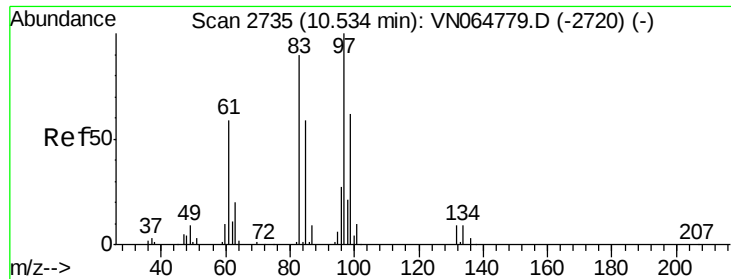
400

200

0

Time-->

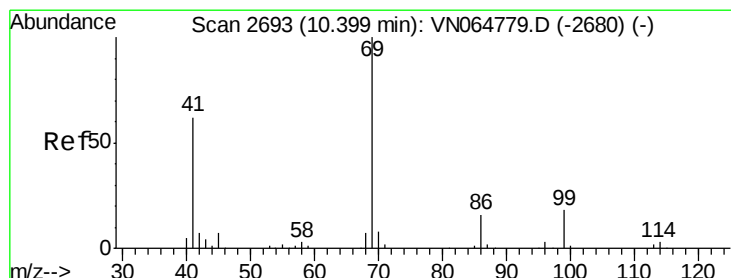
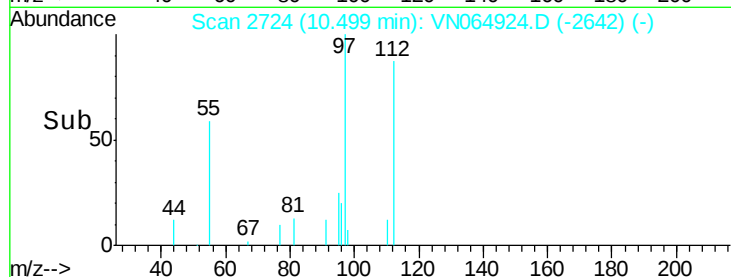
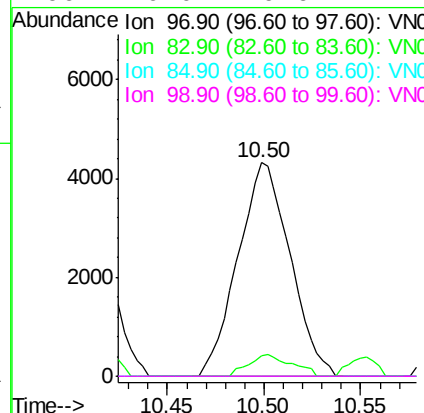
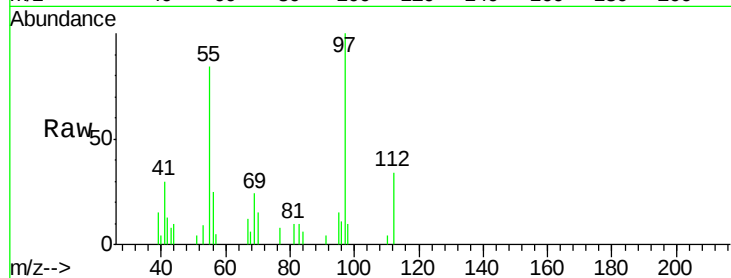




#55
 1,1,2-Trichloroethane
 Concen: 3.643 ug/l
 RT: 10.50 min Scan# 2724
 Delta R.T. -0.04 min
 Lab File: VN064924.D
 Acq: 4 Dec 2020 17:18

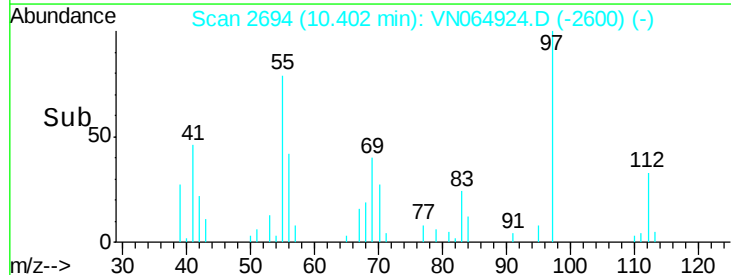
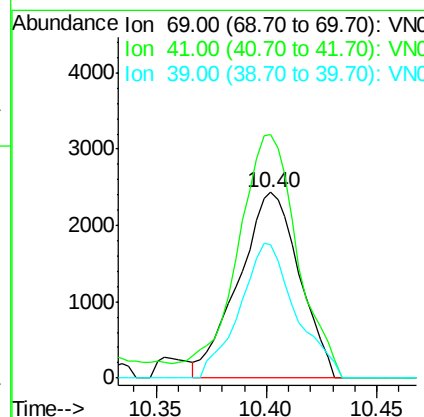
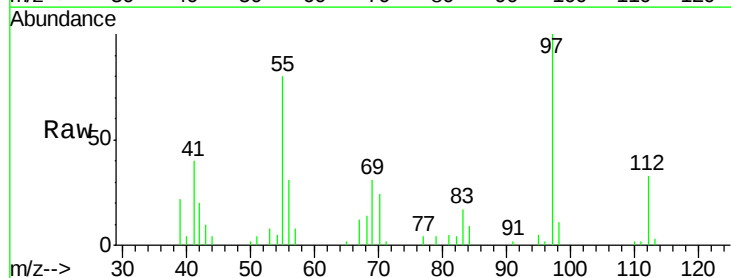
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-PMP04D-120120

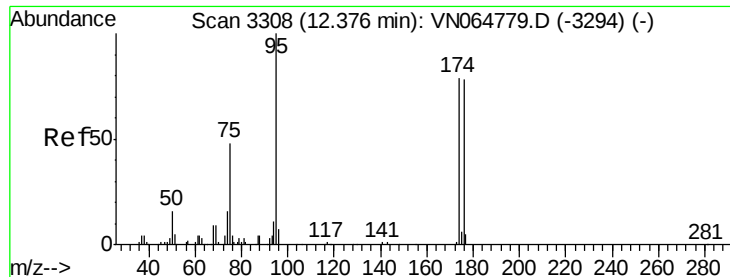
Tot Ion: 97 Resp: 8100
 Ion Ratio Lower Upper
 97 100
 83 9.5 72.1 108.1#
 85 0.0 46.8 70.2#
 99 0.0 49.6 74.4#



#56
 Ethyl methacrylate
 Concen: 1.514 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064924.D
 Acq: 4 Dec 2020 17:18

Tgt Ion: 69 Resp: 4646
 Ion Ratio Lower Upper
 69 100
 41 130.3 49.4 74.0#
 39 67.3 25.9 38.9#





#62

4-Bromofluorobenzene

Concen: 56.541 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

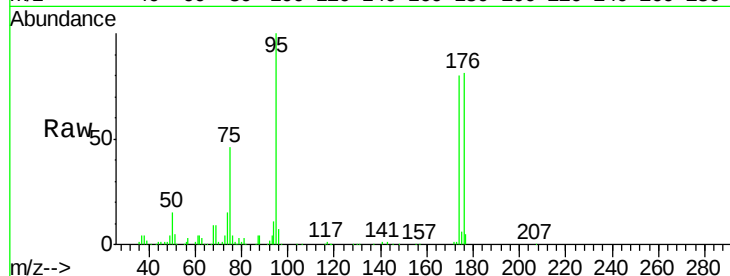
Tot Ion: 95 Resp: 152911

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.4

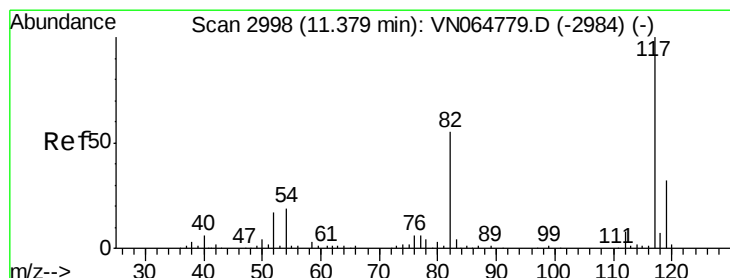
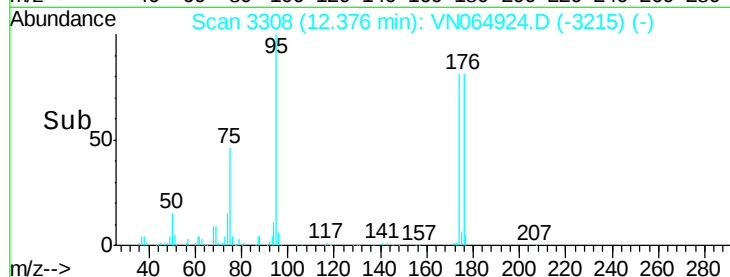
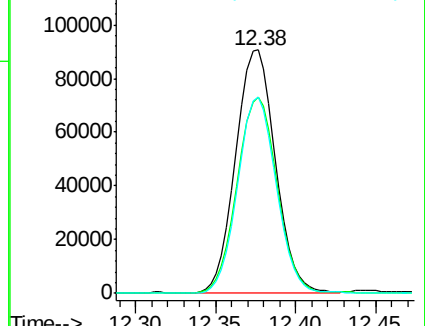
176 79.0 0.0 158.4



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: VN064924.D

Acq: 4 Dec 2020 17:18

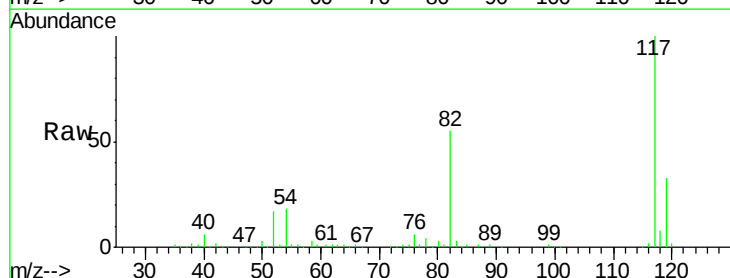
Tgt Ion: 117 Resp: 317509

Ion Ratio Lower Upper

117 100

82 54.8 44.2 66.2

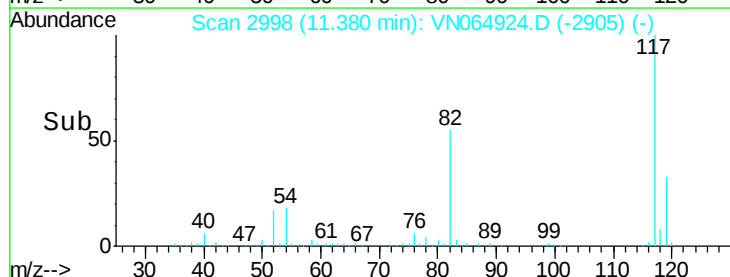
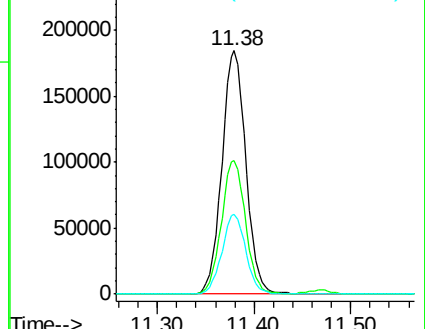
119 32.9 25.8 38.6

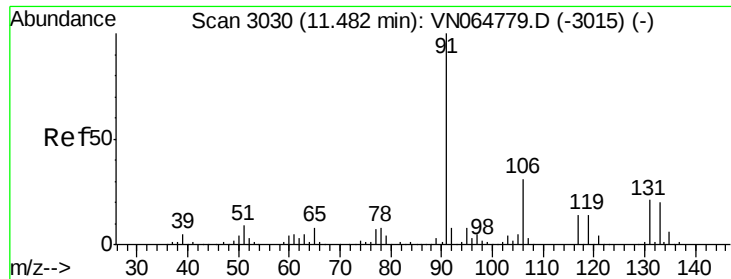


Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)

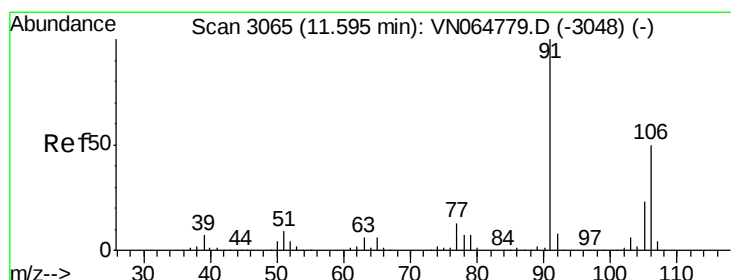
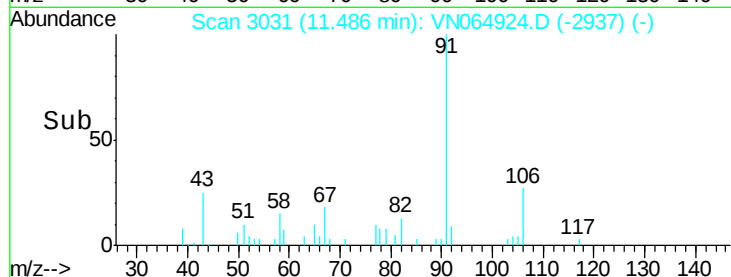
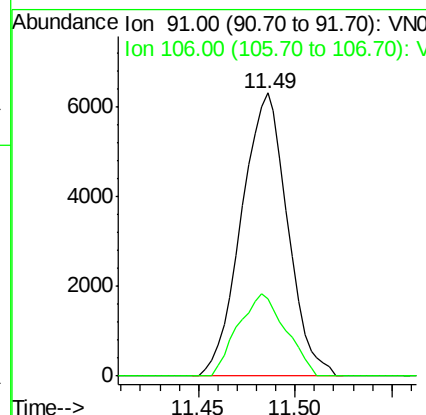
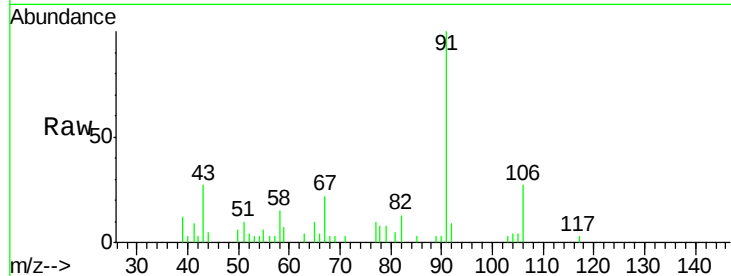




#67
Ethyl Benzene
Concen: 0.916 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

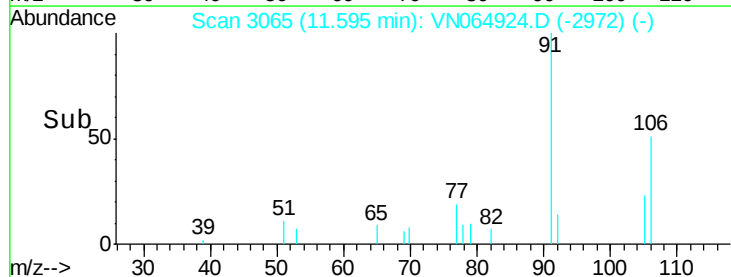
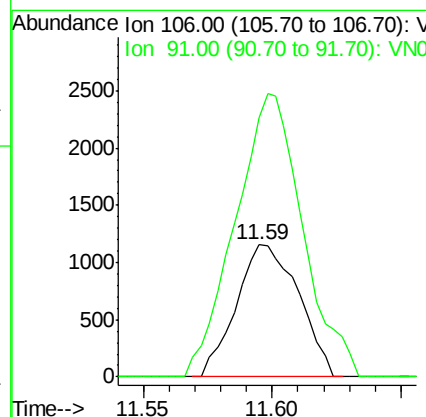
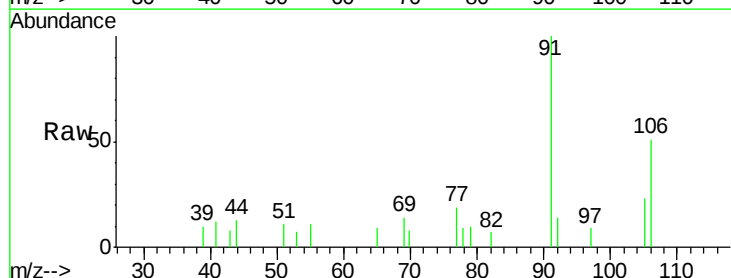
Instrument :
MSVOA_N
ClientSampleId :
SS013-PMP04D-120120

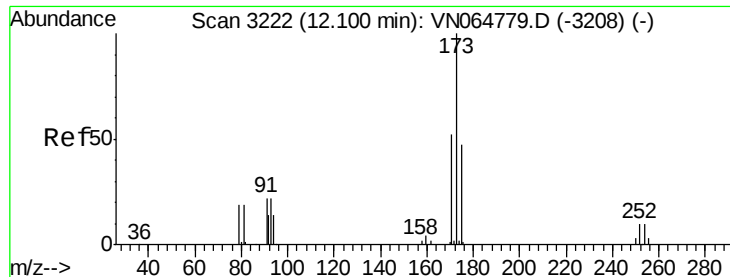
Tot Ion: 91 Resp: 10437
Ion Ratio Lower Upper
91 100
106 27.1 25.2 37.8



#68
m/p-Xylenes
Concen: 0.451 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

Tgt Ion: 106 Resp: 1944
Ion Ratio Lower Upper
106 100
91 231.9 161.0 241.4





#71

Bromoform

Concen: 0.439 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

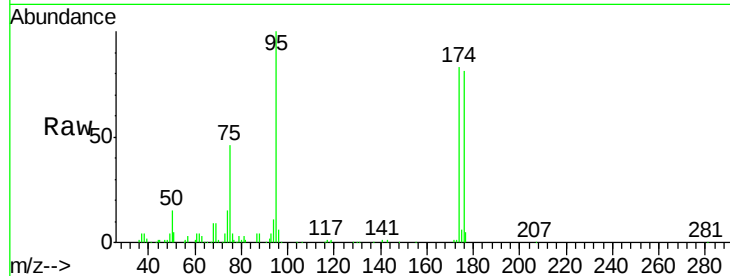
Tot Ion:173 Resp: 878

Ion Ratio Lower Upper

173 100

175 859.1 24.3 72.8#

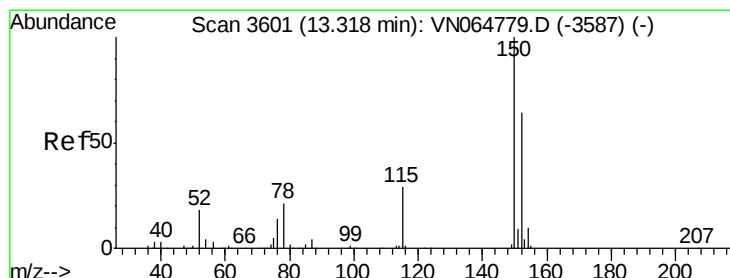
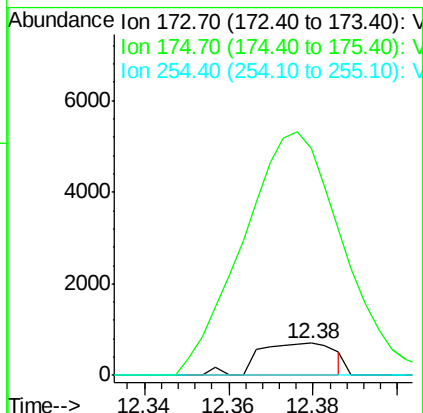
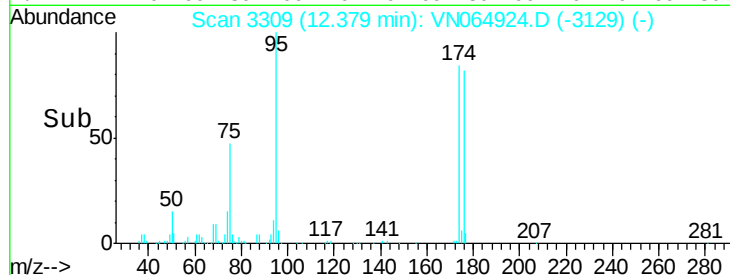
254 0.0 0.0 0.0



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: VN064924.D

Acq: 4 Dec 2020 17:18

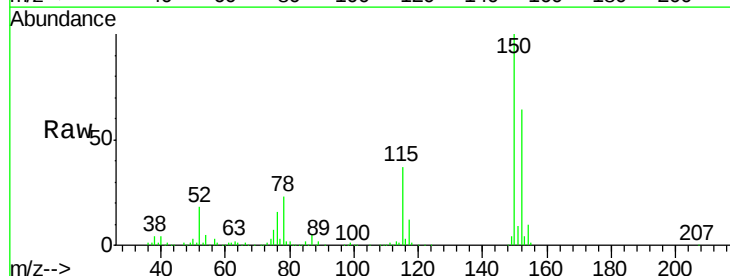
Tgt Ion:152 Resp: 146598

Ion Ratio Lower Upper

152 100

115 62.1 29.7 89.1

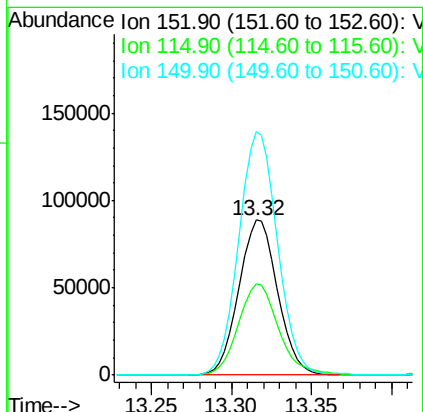
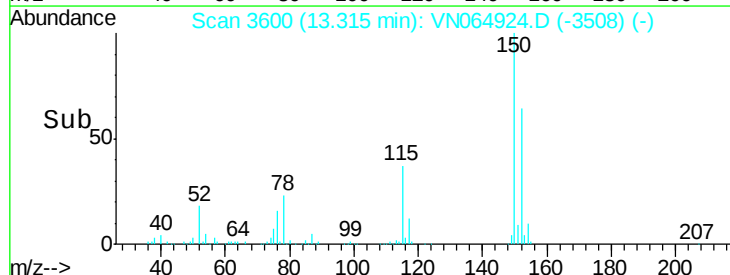
150 157.8 0.0 350.6

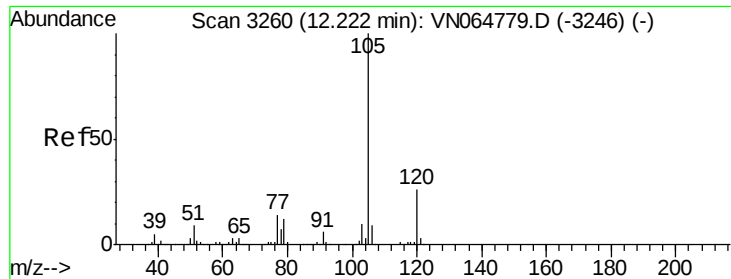


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.405 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

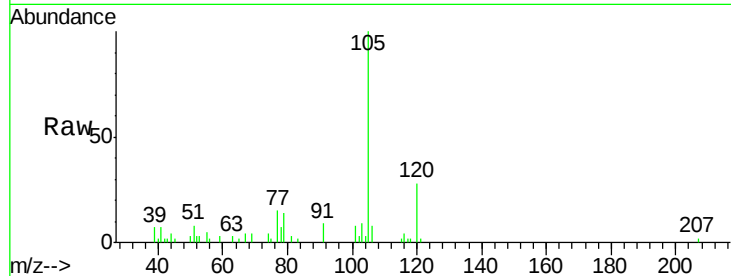
SS013-PMP04D-120120

Tot Ion:105 Resp: 14326

Ion Ratio Lower Upper

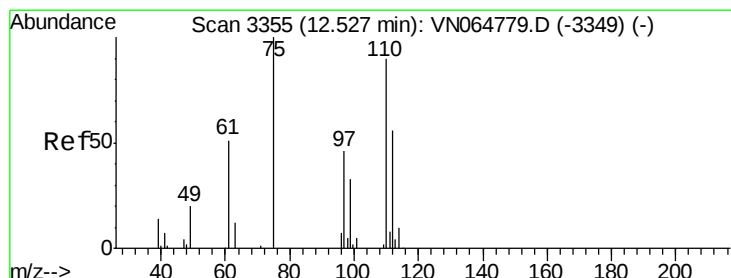
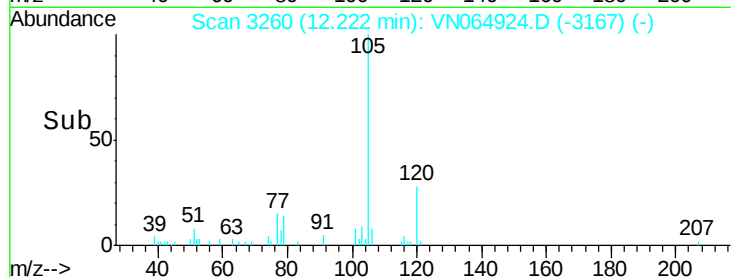
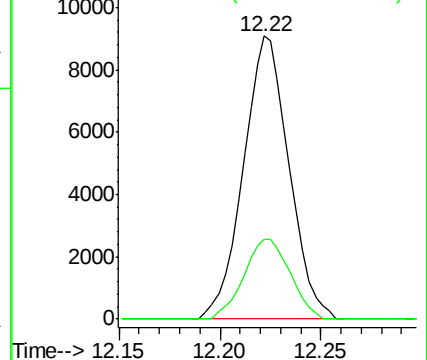
105 100

120 28.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 22.793 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064924.D

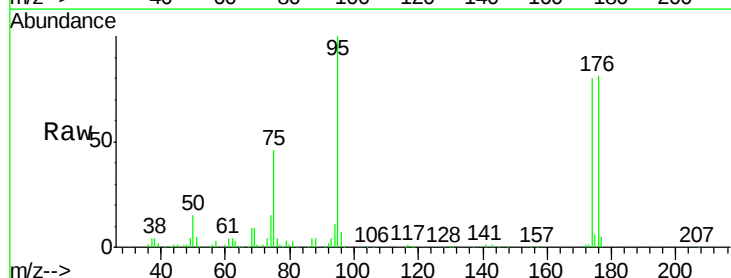
Acq: 4 Dec 2020 17:18

Tgt Ion: 75 Resp: 71960

Ion Ratio Lower Upper

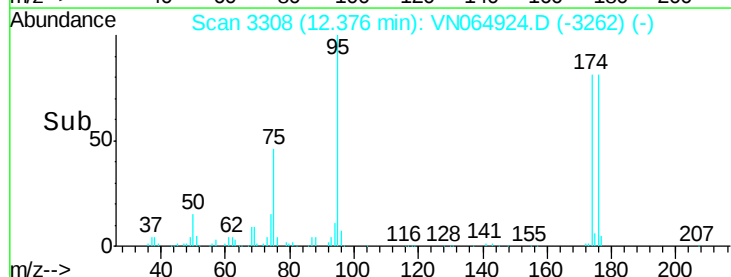
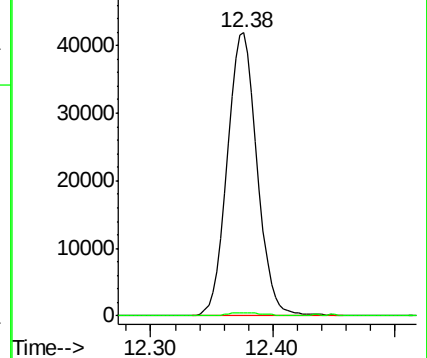
75 100

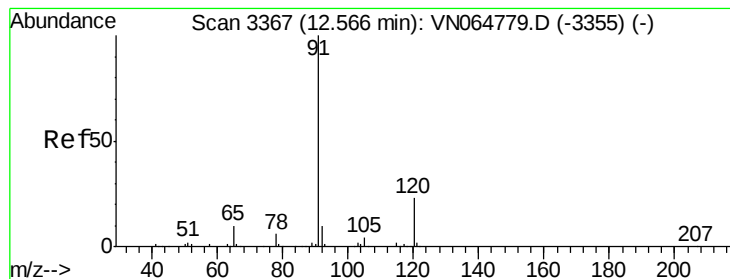
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.998 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

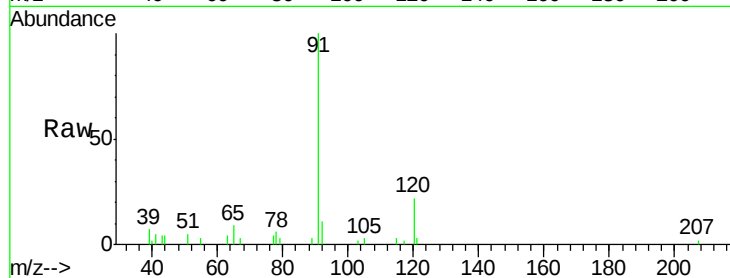
SS013-PMP04D-120120

Tot Ion: 91 Resp: 11594

Ion Ratio Lower Upper

91 100

120 21.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.57

8000

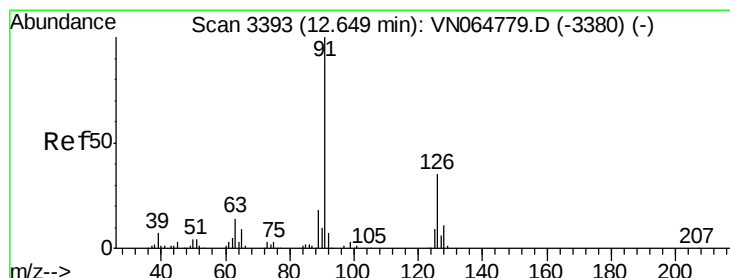
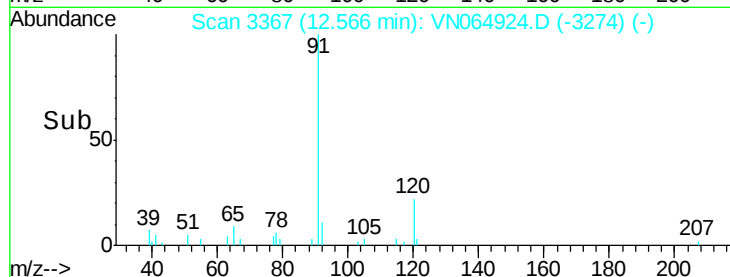
6000

4000

2000

0

Time--> 12.50 12.55 12.60



#79

2-Chlorotoluene

Concen: 1.615 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.08 min

Lab File: VN064924.D

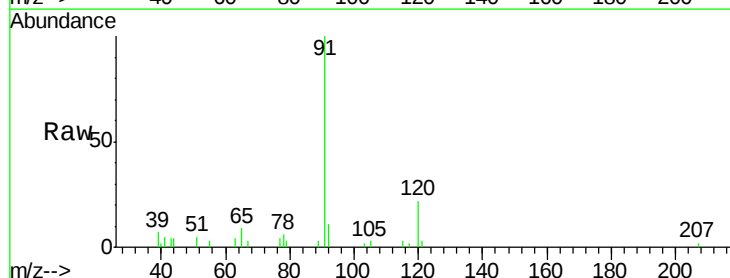
Acq: 4 Dec 2020 17:18

Tgt Ion: 91 Resp: 11594

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.57

8000

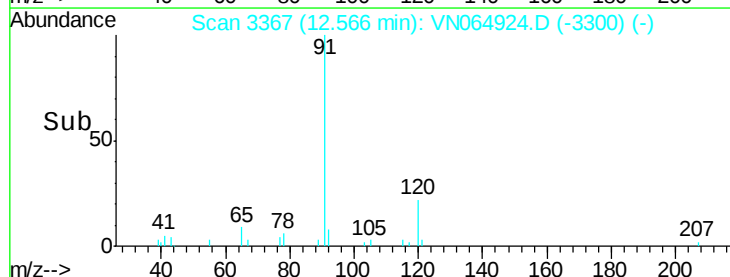
6000

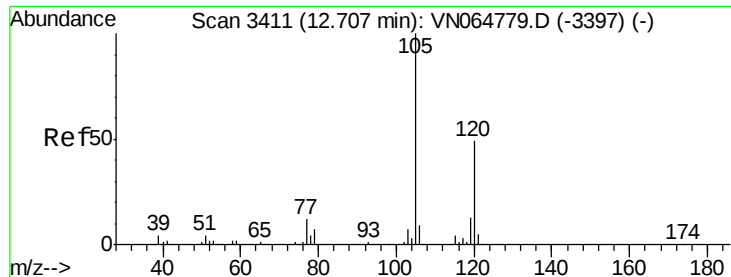
4000

2000

0

Time--> 12.50 12.55 12.60





#80

1,3,5-Trimethylbenzene

Concen: 0.266 ug/l

RT: 12.87 min Scan# 3461

Delta R.T. 0.16 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

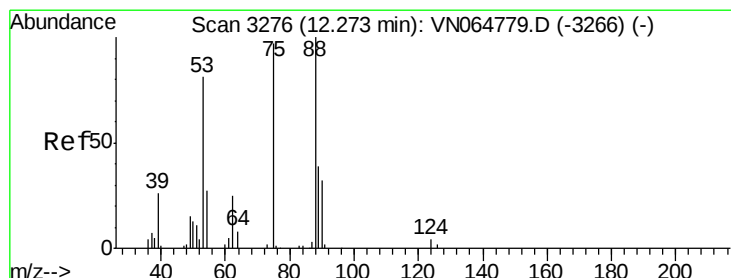
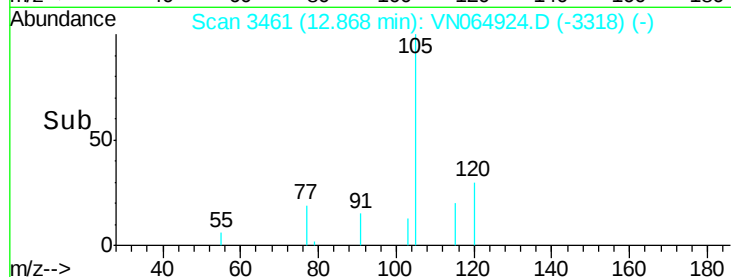
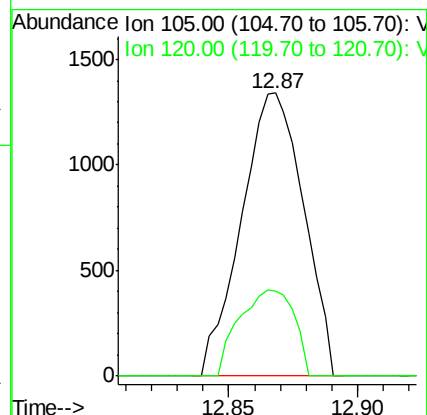
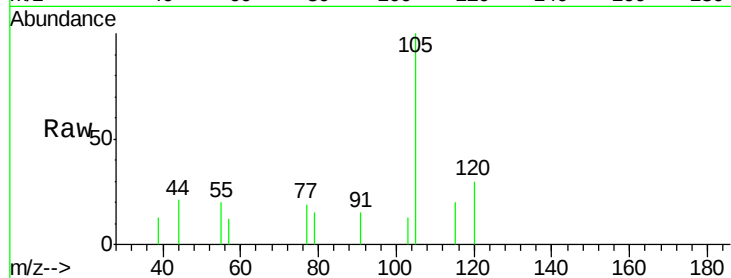
SS013-PMP04D-120120

Tot Ion:105 Resp: 2254

Ion Ratio Lower Upper

105 100

120 26.9 24.6 73.6



#81

trans-1,4-Dichloro-2-butene

Concen: 62.470 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

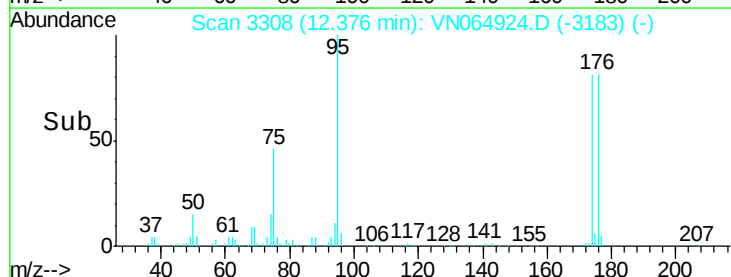
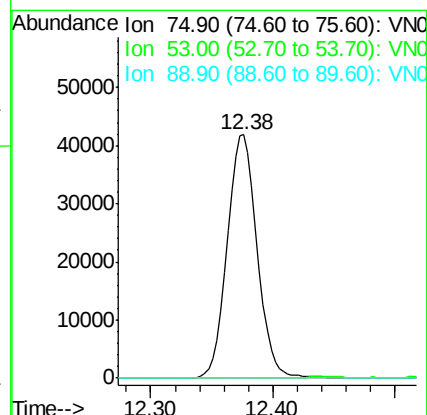
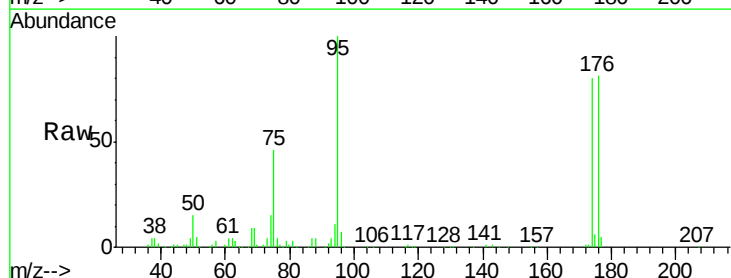
Tgt Ion: 75 Resp: 71960

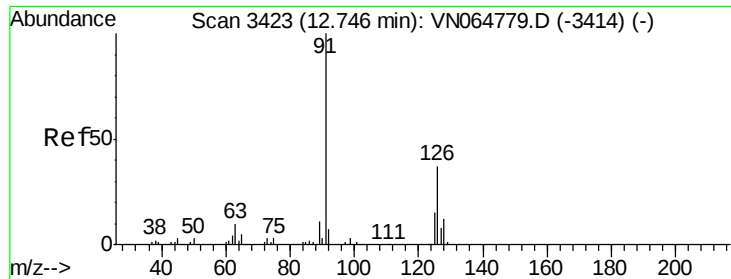
Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#





#82

4-Chlorotoluene

Concen: 1.540 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.18 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

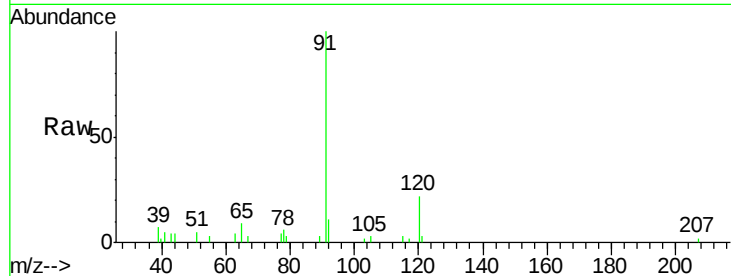
SS013-PMP04D-120120

Tot Ion: 91 Resp: 11594

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.7#

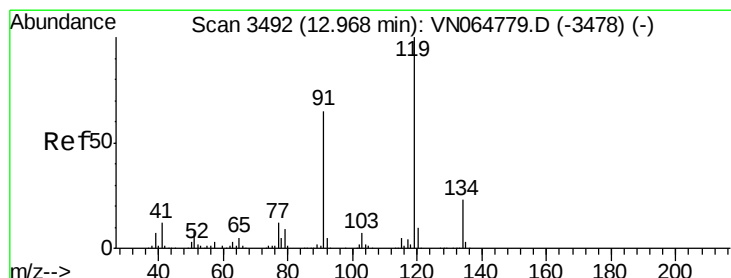
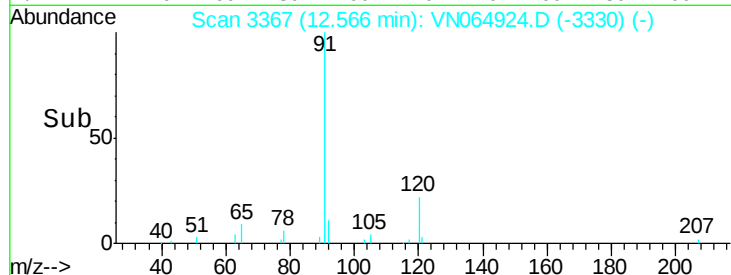


Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3414) (-)

12.57

Time-->



#83

tert-Butylbenzene

Concen: 0.275 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

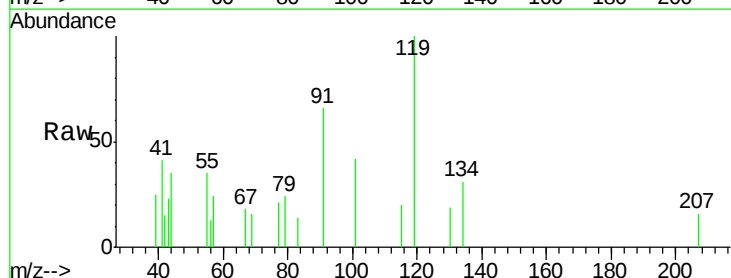
Tgt Ion: 119 Resp: 1954

Ion Ratio Lower Upper

119 100

91 79.2 32.3 96.8

134 19.9 12.6 37.6



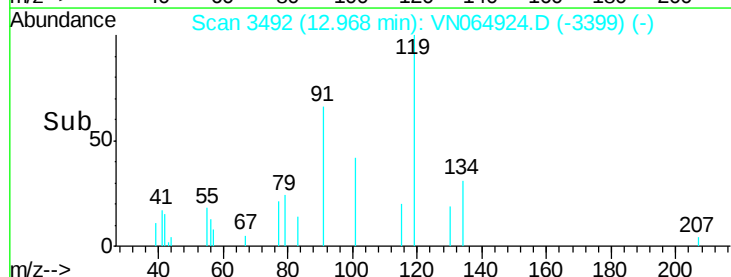
Abundance Ion 119.00 (118.70 to 119.70): VN064779.D (-3478) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-3478) (-)

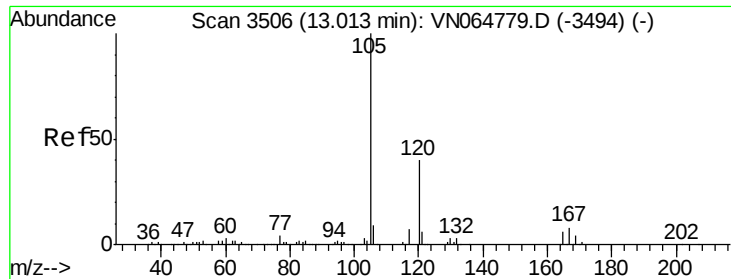
Ion 134.00 (133.70 to 134.70): VN064779.D (-3478) (-)

12.97

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 5.935 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

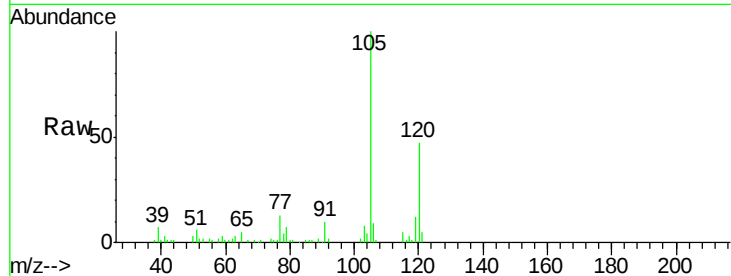
SS013-PMP04D-120120

Tot Ion:105 Resp: 50861

Ion Ratio Lower Upper

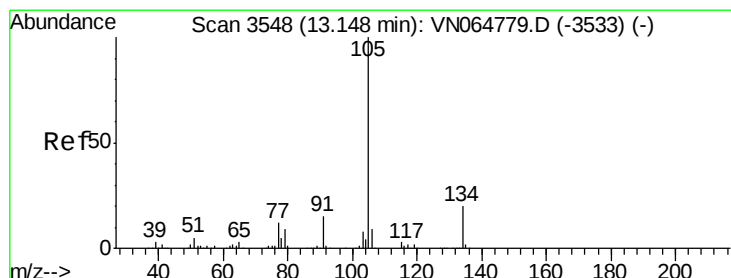
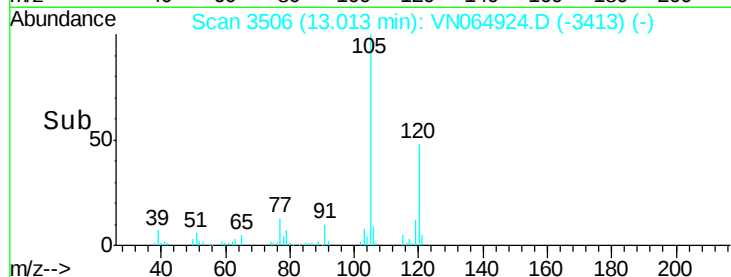
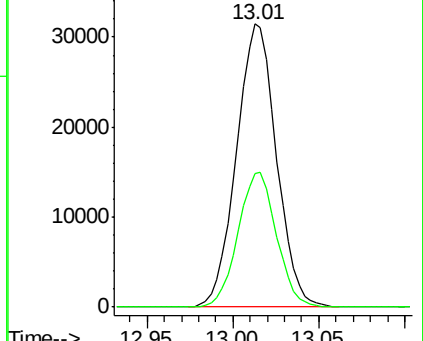
105 100

120 45.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.629 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064924.D

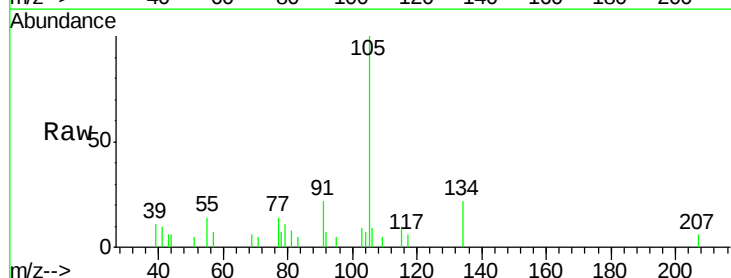
Acq: 4 Dec 2020 17:18

Tgt Ion:105 Resp: 5931

Ion Ratio Lower Upper

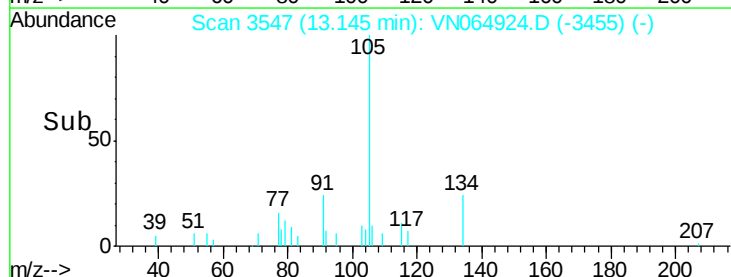
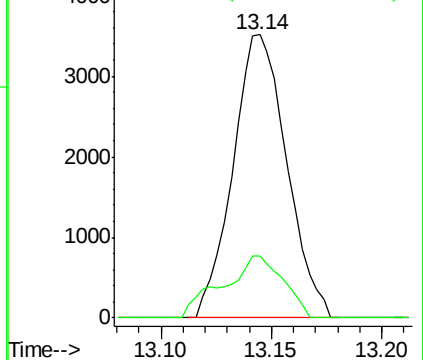
105 100

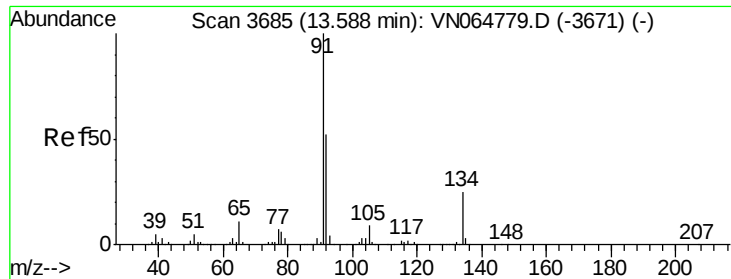
134 24.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

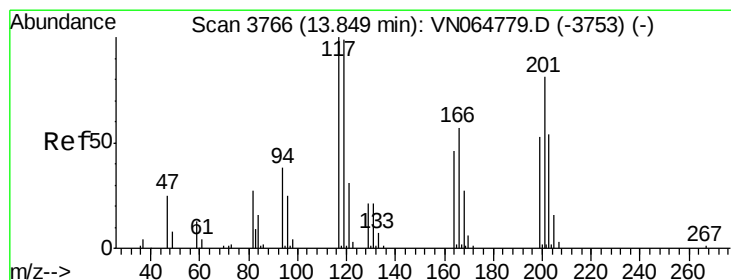
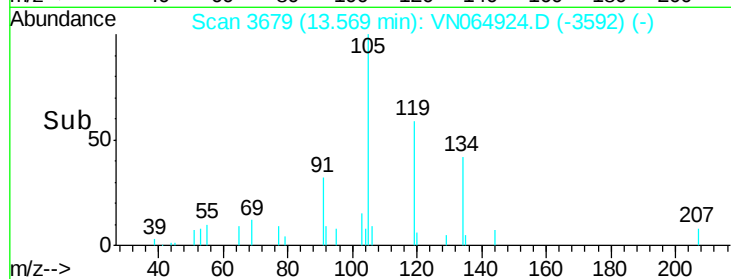
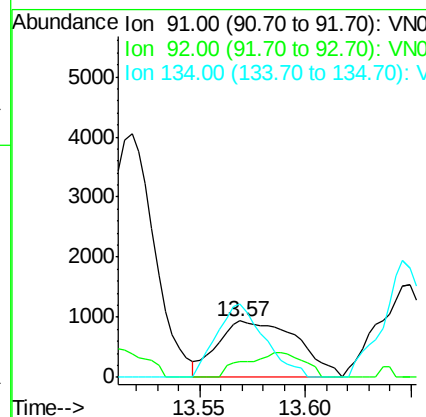
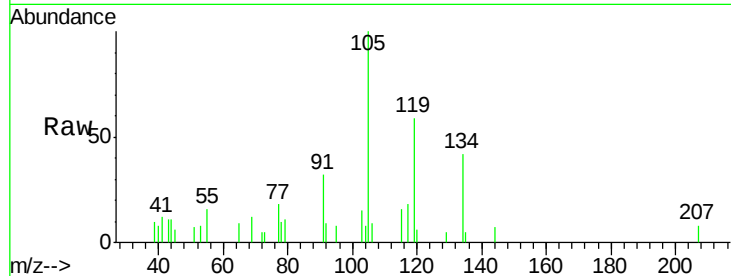




#89
n-Butylbenzene
Concen: 0.330 ug/l
RT: 13.57 min Scan# 3679
Delta R.T. -0.02 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

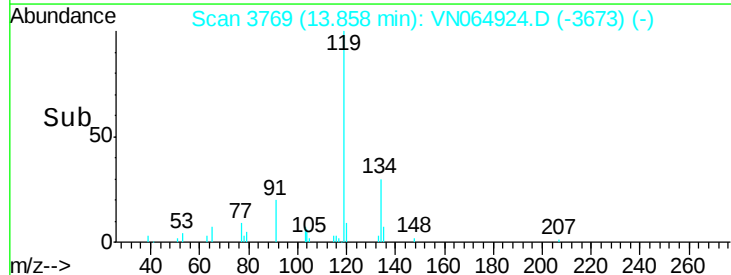
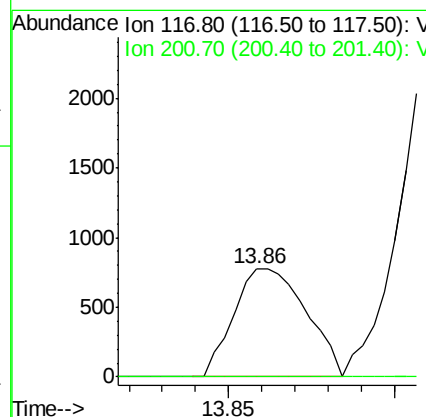
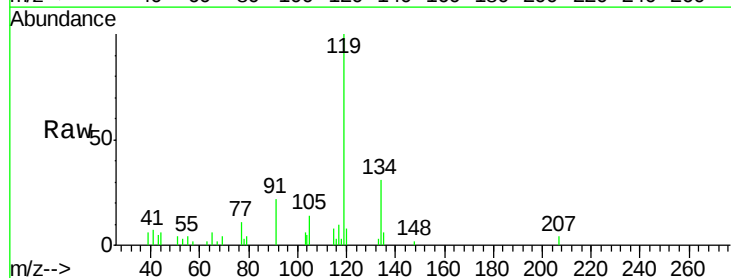
Instrument :
MSVOA_N
ClientSampleId :
SS013-PMP04D-120120

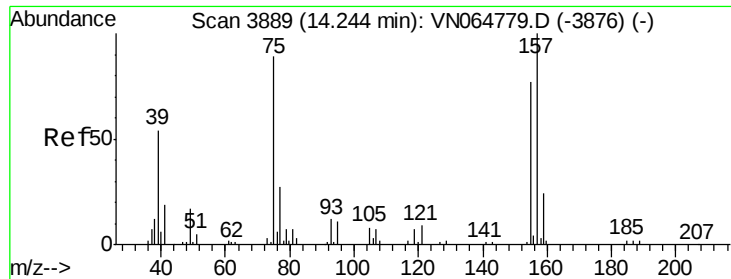
Tot Ion: 91 Resp: 2486
Ion Ratio Lower Upper
91 100
92 31.9 26.0 78.0
134 77.9 12.9 38.6#



#90
Hexachloroethane
Concen: 0.788 ug/l
RT: 13.86 min Scan# 3769
Delta R.T. 0.01 min
Lab File: VN064924.D
Acq: 4 Dec 2020 17:18

Tgt Ion: 117 Resp: 1176
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.335 ug/l

RT: 13.97 min Scan# 3805

Delta R.T. -0.27 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

SS013-PMP04D-120120

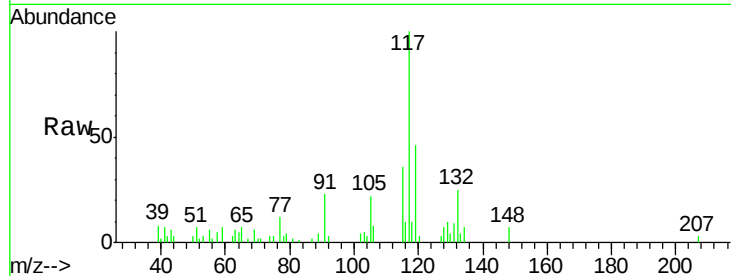
Tot Ion: 75 Resp: 225

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) (-)

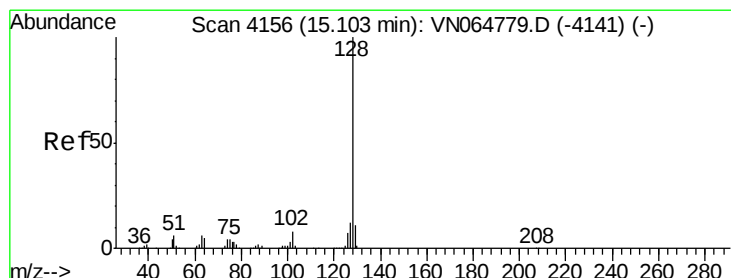
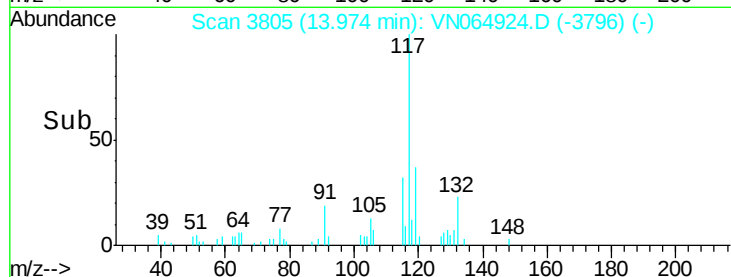
Ion 156.80 (156.50 to 157.50): VN064779.D (-3876) (-)

13.97

13.96

13.98

Time-->



#95

Naphthalene

Concen: 0.600 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064924.D

Acq: 4 Dec 2020 17:18

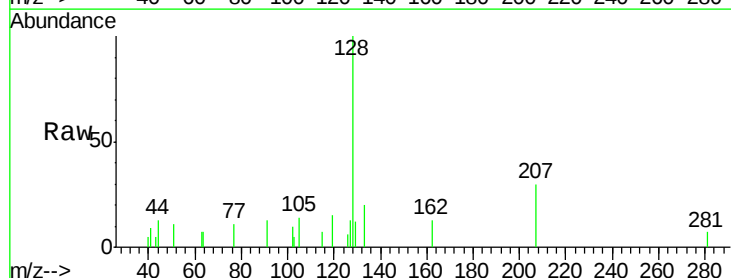
Tgt Ion: 128 Resp: 5333

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 14.4 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) (-)

15.11

15.05

15.15

Time-->

