

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064977.D
 Acq On : 8 Dec 2020 18:14
 Operator : JC/MD
 Sample : PB133456ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133456ZHE#14

Quant Time: Dec 09 06:53:54 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	167186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	328868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	345507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140901	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	108153	55.64	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	111.28%		
35) Dibromofluoromethane	7.55	113	99997	50.82	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.64%		
50) Toluene-d8	10.06	98	404093	50.26	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.52%		
62) 4-Bromofluorobenzene	12.37	95	154356	53.64	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.28%		

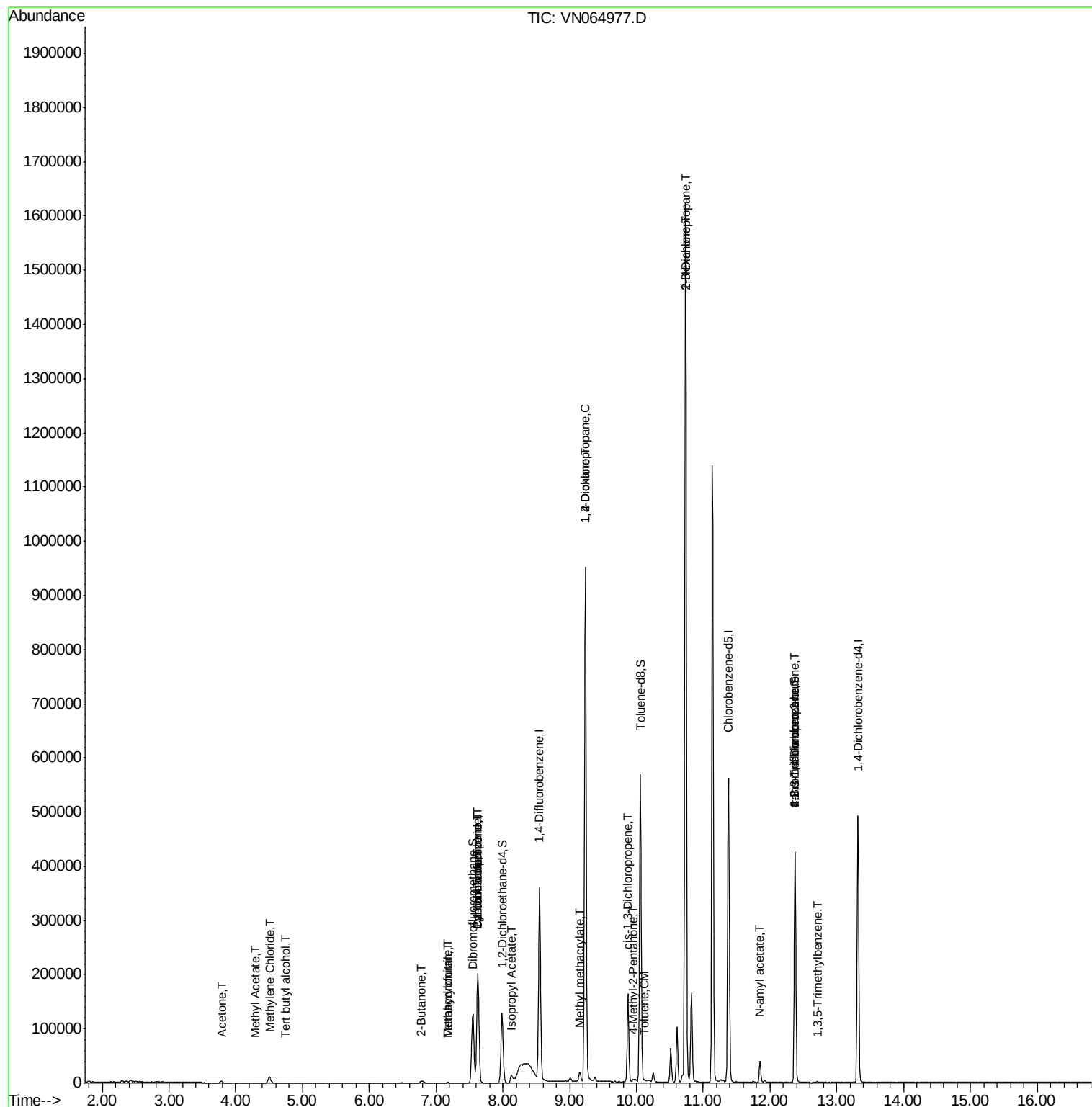
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	418	1.379	ug/l #	73
16) Acetone	3.79	43	6094	9.538	ug/l	100
18) Methyl Acetate	4.30	43	1021	0.531	ug/l #	50
20) Methylene Chloride	4.51	84	8711	4.351	ug/l	89
25) 2-Butanone	6.79	43	1813	1.750	ug/l #	85
29) Tetrahydrofuran	7.16	42	1010	1.413	ug/l #	40
31) Cyclohexane	7.62	56	2752	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11622	3.813	ug/l #	48
38) Carbon Tetrachloride	7.63	117	15905	5.015	ug/l #	17
41) Methacrylonitrile	7.18	41	499	0.368	ug/l #	15
43) Isopropyl Acetate	8.13	43	19155	4.054	ug/l #	93
45) 1,2-Dichloropropane	9.24	63	1218	0.504	ug/l #	43
48) Methyl methacrylate	9.14	41	4665	2.066	ug/l #	12
49) 1,4-Dioxane	9.23	88	60	1.406	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	4124	1.454	ug/l	93
52) Toluene	10.13	92	1276	0.222	ug/l	93
54) cis-1,3-Dichloropropene	9.87	75	30133	7.762	ug/l #	65
57) 1,3-Dichloropropane	10.73	76	17495	4.483	ug/l #	42
59) 2-Hexanone	10.74	43	224347	109.897	ug/l #	50
74) N-amyl acetate	11.85	43	10810	2.803	ug/l #	52
76) 1,2,3-Trichloropropane	12.37	75	72750	23.975	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1817	0.223	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.37	75	72750	65.710	ug/l #	15

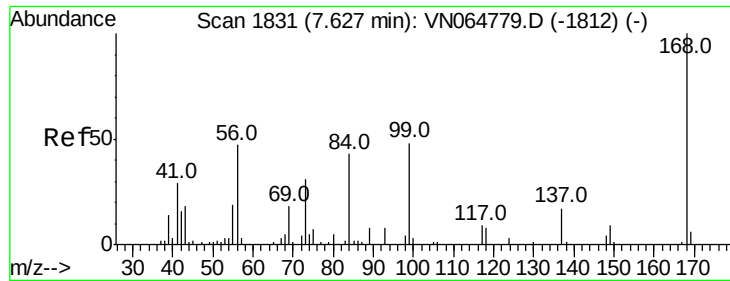
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 09 06:53:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

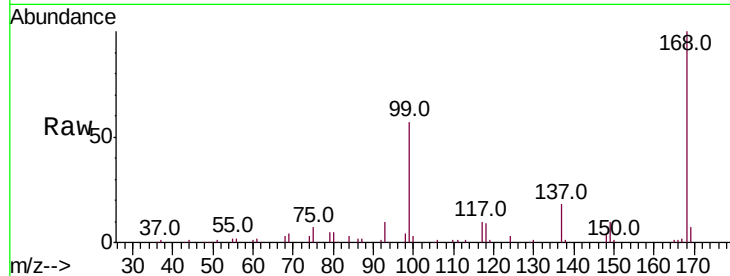
PB133456ZHE#14

Tot Ion:168 Resp: 167186

Ion Ratio Lower Upper

168 100

99 57.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064977.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN064977.D (-1812) (-)

7.62

60000

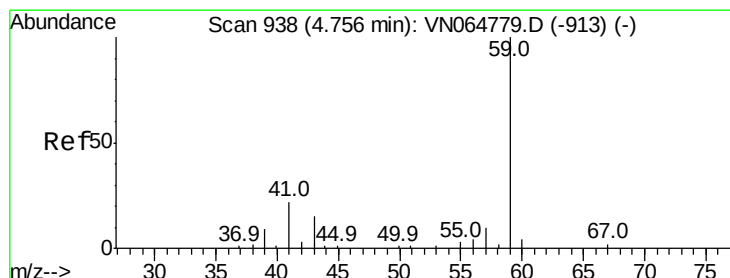
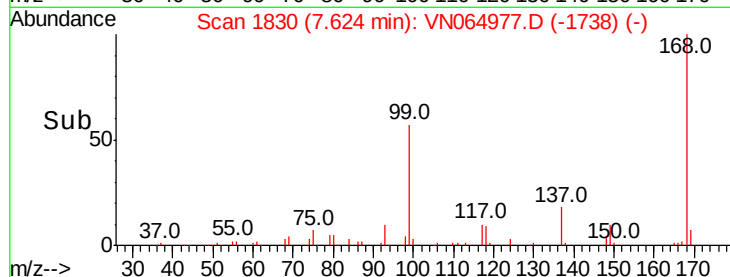
40000

20000

0

7.50 7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 1.379 ug/l

RT: 4.75 min Scan# 935

Delta R.T. -0.01 min

Lab File: VN064977.D

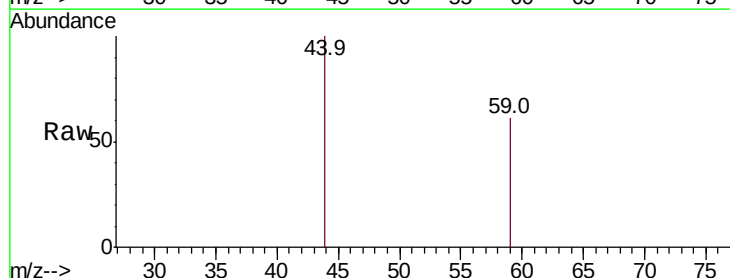
Acq: 8 Dec 2020 18:14

Tgt Ion: 59 Resp: 418

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN064977.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN064977.D (-913) (-)

4.75

300

250

200

150

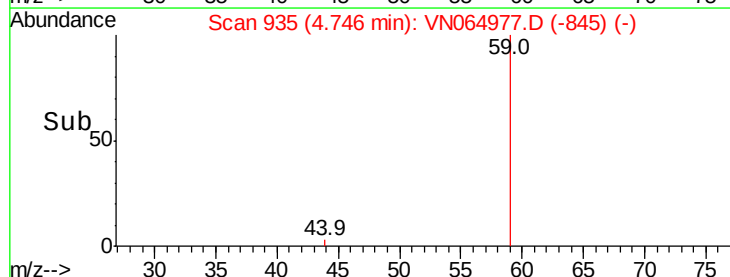
100

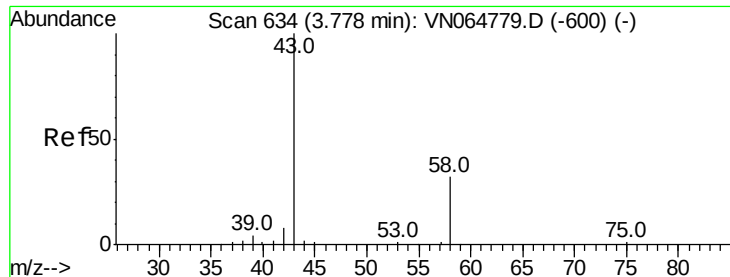
50

0

4.72 4.74 4.76 4.78

Time-->





#16

Acetone

Concen: 9.538 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

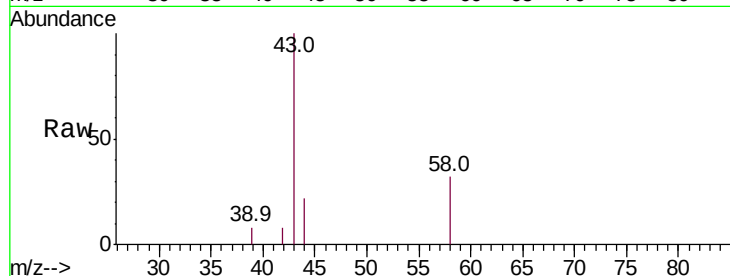
PB133456ZHE#14

Tot Ion: 43 Resp: 6094

Ion Ratio Lower Upper

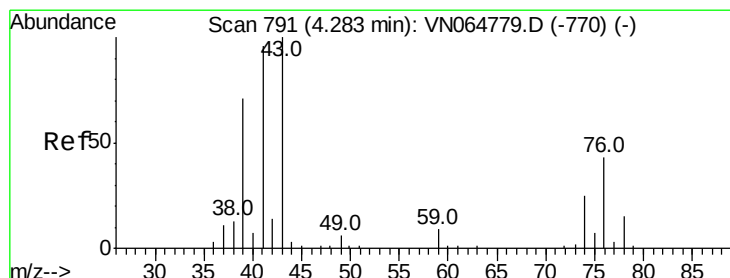
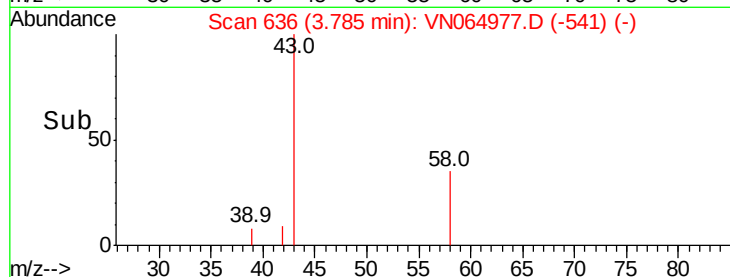
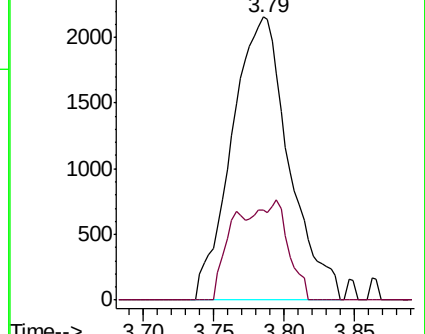
43 100

58 32.0 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064977.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN064977.D (-600) (-)



#18

Methyl Acetate

Concen: 0.531 ug/l

RT: 4.30 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN064977.D

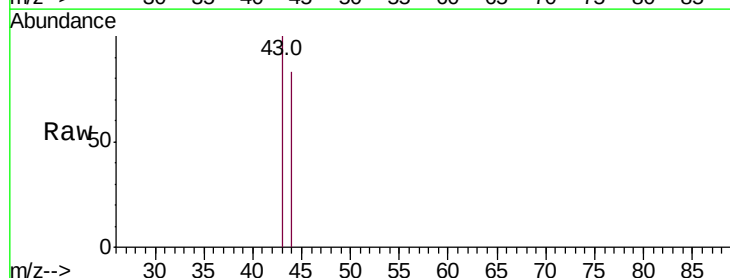
Acq: 8 Dec 2020 18:14

Tgt Ion: 43 Resp: 1021

Ion Ratio Lower Upper

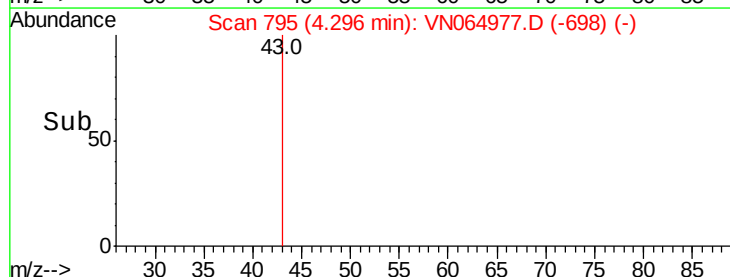
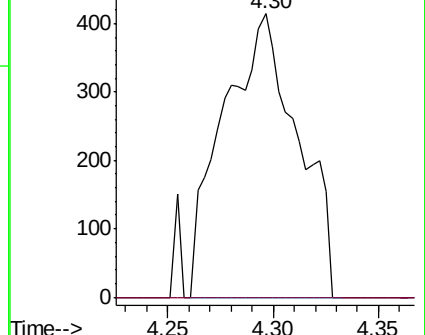
43 100

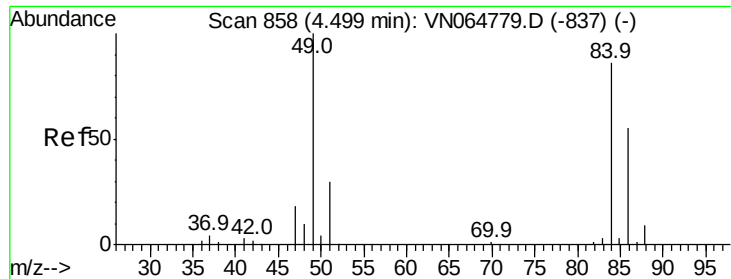
74 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN064977.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064977.D (-698) (-)

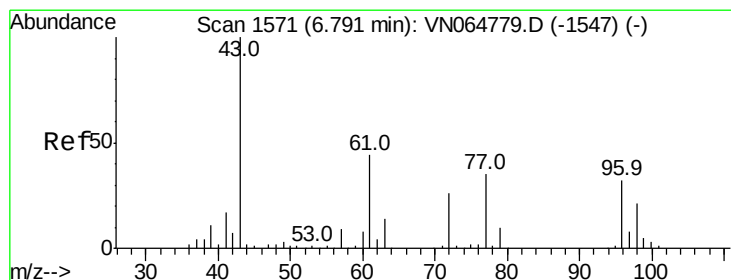
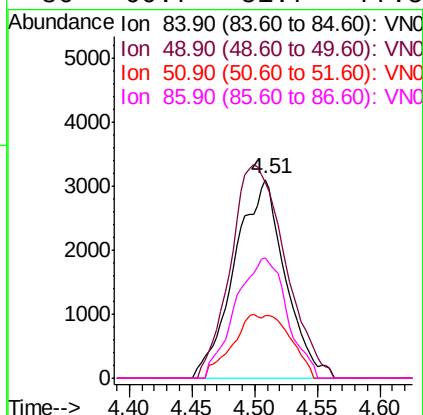
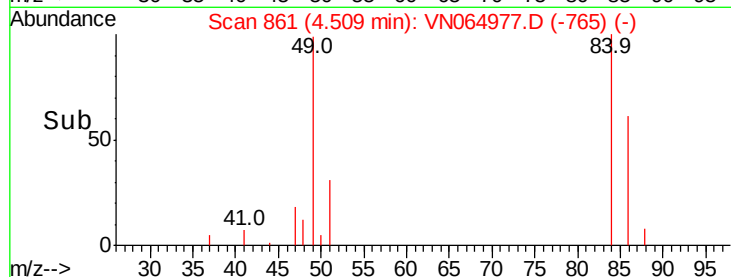
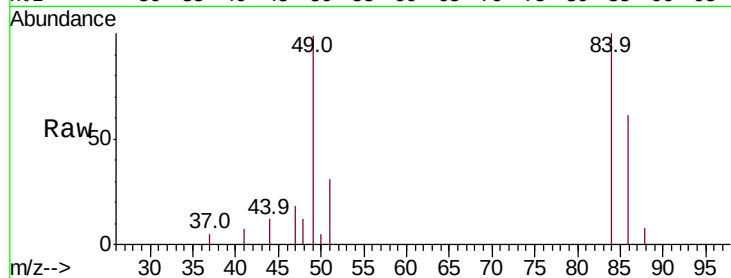




#20
Methvlene Chloride
Concen: 4.351 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN064977.D
Acq: 8 Dec 2020 18:14

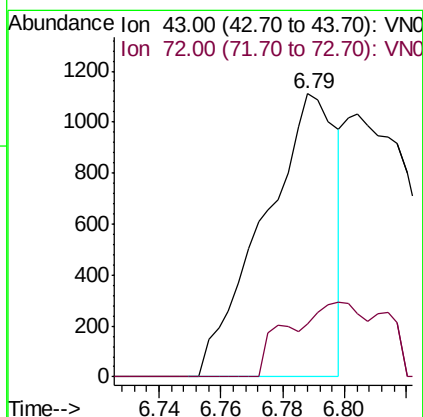
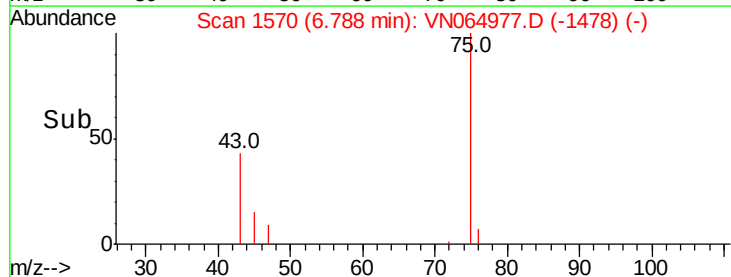
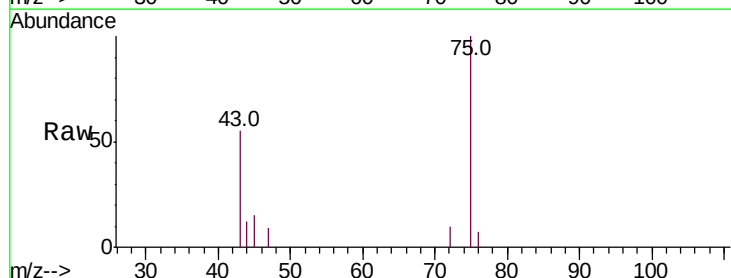
Instrument :
MSVOA_N
ClientSampleId :
PB133456ZHE#14

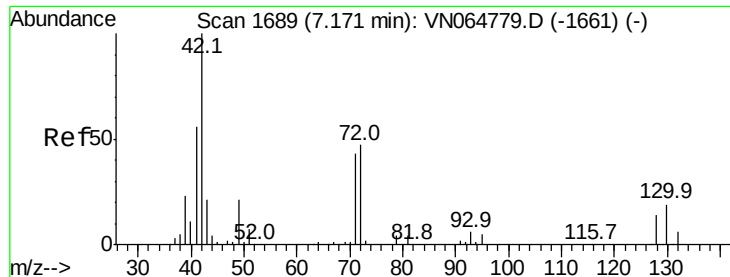
Tot Ion:	84	Resp:	8711
Ion	Ratio	Lower	Upper
84	100		
49	98.9	93.4	140.0
51	31.3	28.2	42.4
86	60.7	51.7	77.5



#25
2-Butanone
Concen: 1.750 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN064977.D
Acq: 8 Dec 2020 18:14

Tgt Ion:	43	Resp:	1813
Ion	Ratio	Lower	Upper
43	100		
72	18.5	21.0	31.6#





#29

Tetrahydrofuran

Concen: 1.413 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#14

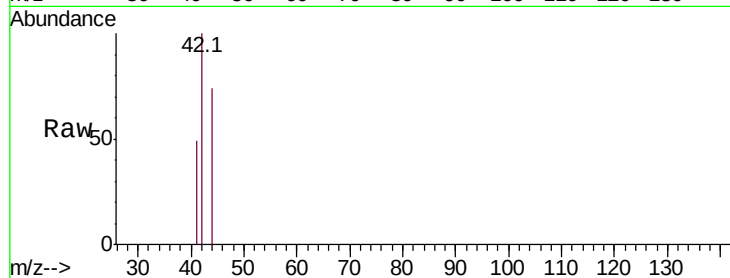
Tot Ion: 42 Resp: 1010

Ion Ratio Lower Upper

42 100

72 10.6 36.6 54.8#

71 0.0 33.6 50.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.16

400

300

200

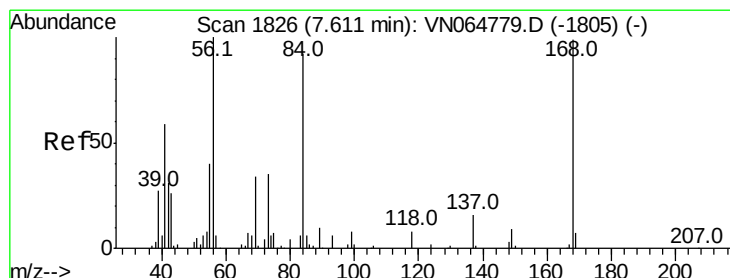
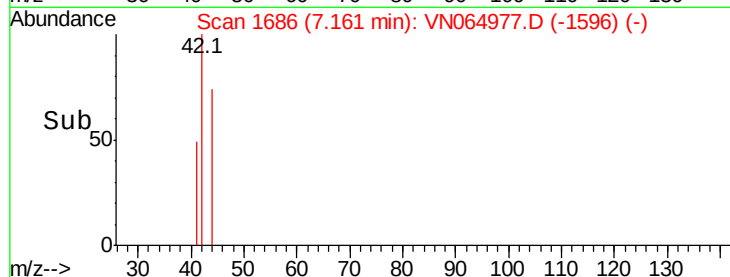
100

0

7.15

7.20

Time-->



#31

Cyclohexane

Concen: 1.016 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

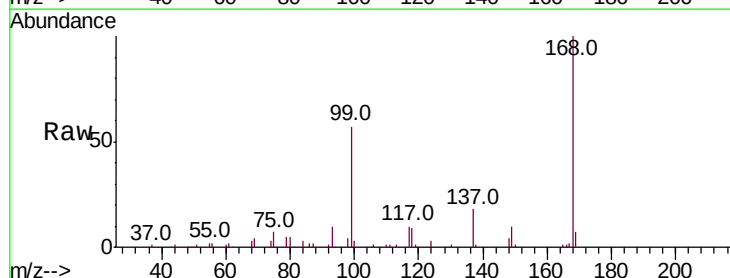
Tgt Ion: 56 Resp: 2752

Ion Ratio Lower Upper

56 100

69 208.8 27.5 41.3#

84 158.9 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

3000

2000

1000

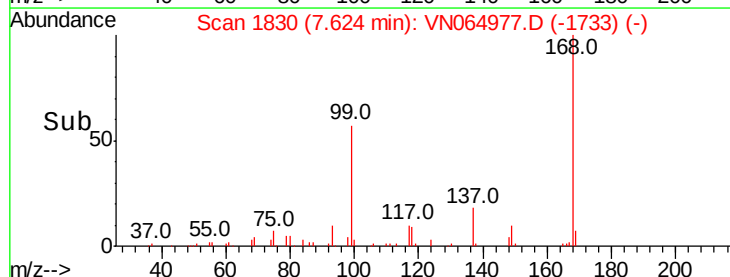
0

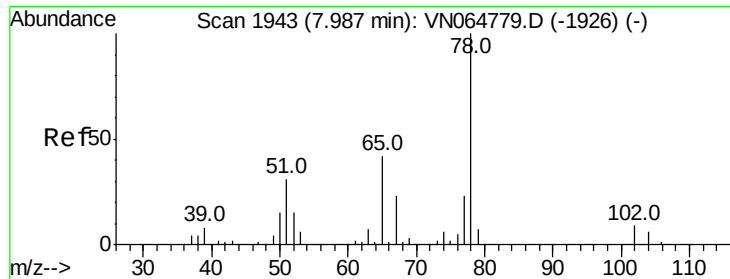
7.60

7.62

7.65

Time-->

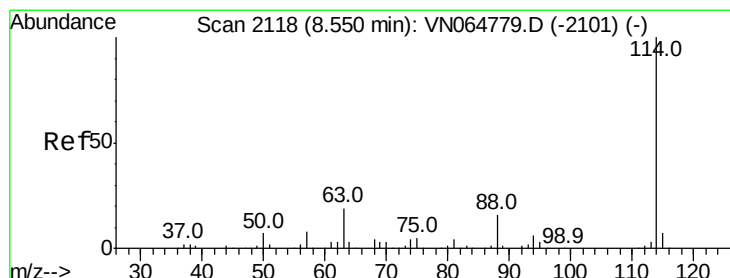
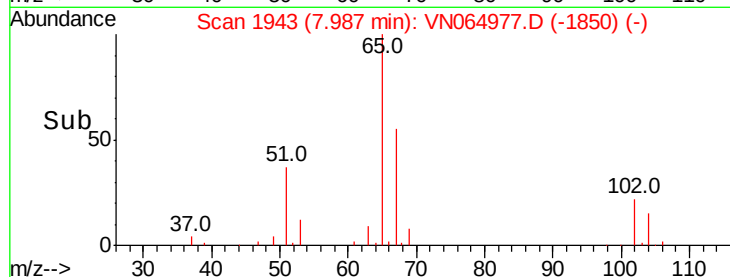
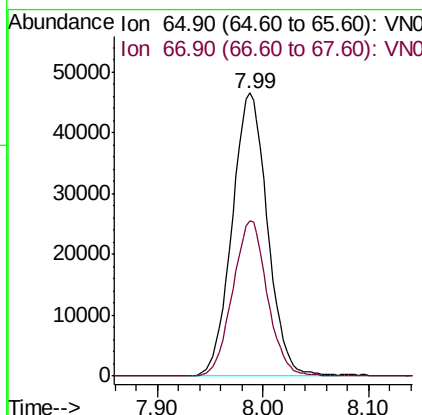
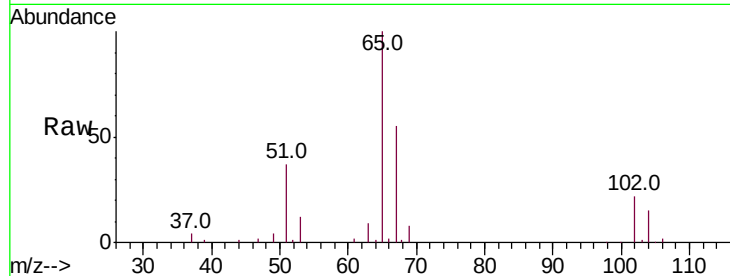




#33
 1,2-Dichloroethane-d4
 Concen: 55.644 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064977.D
 Acq: 8 Dec 2020 18:14

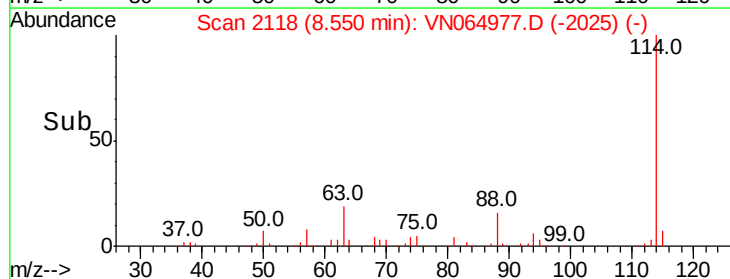
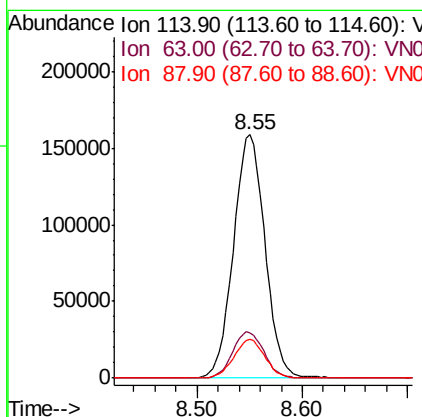
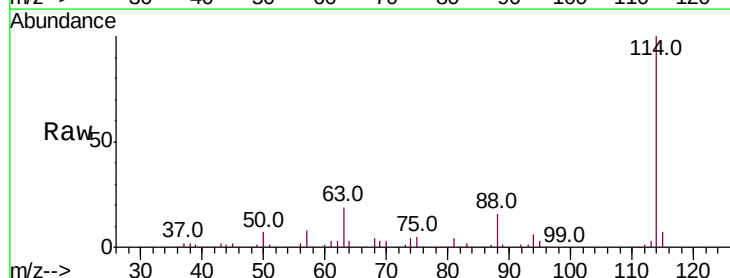
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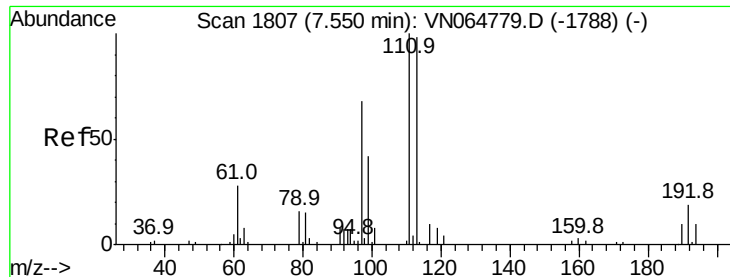
Tot Ion: 65 Resp: 108153
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064977.D
 Acq: 8 Dec 2020 18:14

Tgt Ion: 114 Resp: 328868
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 15.8 0.0 32.6

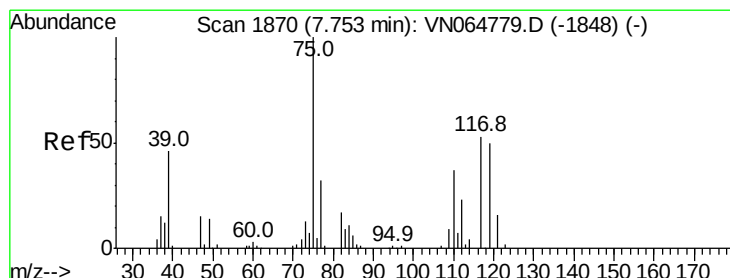
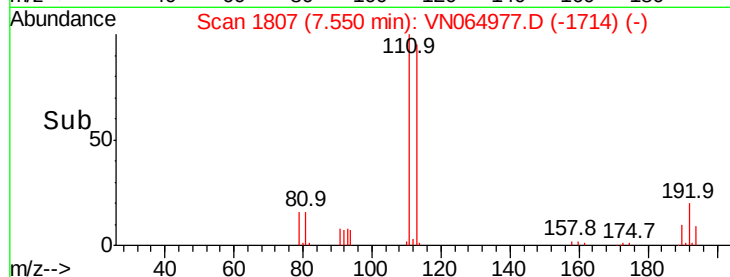
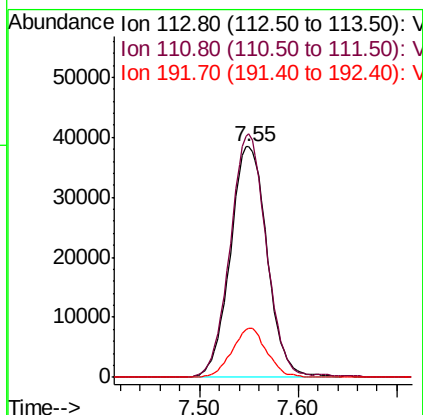
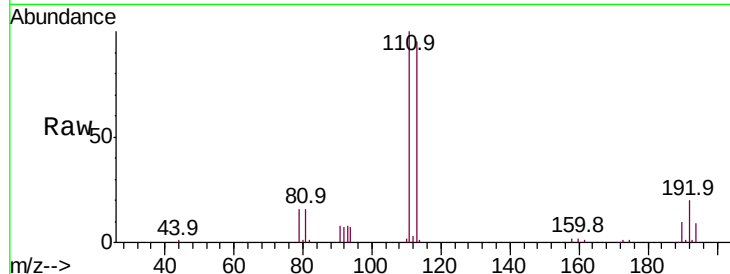




#35
 Dibromofluoromethane
 Concen: 50.816 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064977.D
 Acq: 8 Dec 2020 18:14

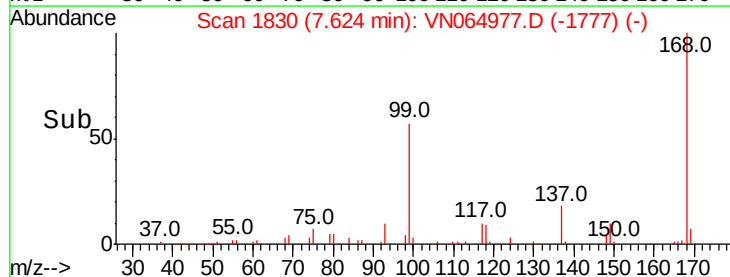
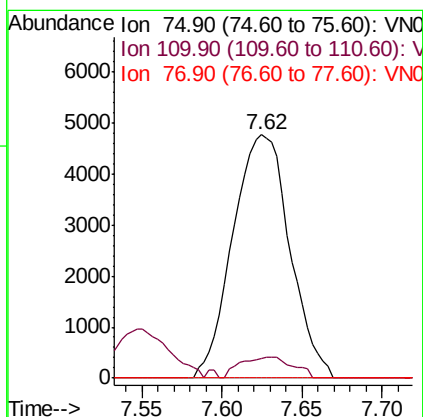
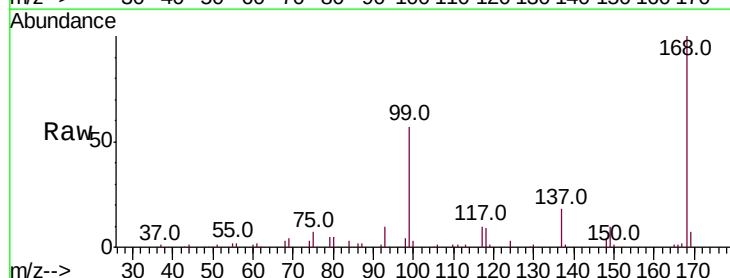
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133456ZHE#14

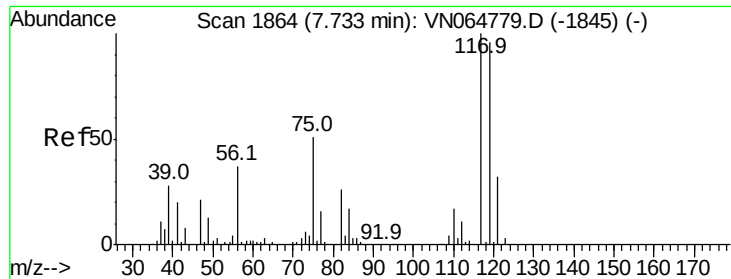
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	20.1	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 3.813 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064977.D
 Acq: 8 Dec 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.8	53.3#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.015 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#14

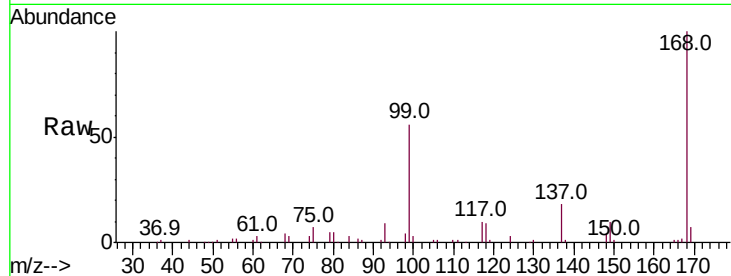
Tot Ion:117 Resp: 15905

Ion Ratio Lower Upper

117 100

119 6.5 76.7 115.1#

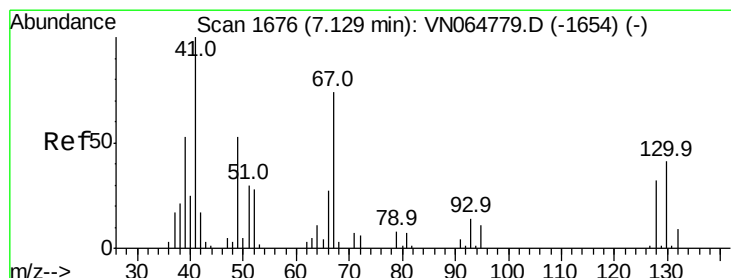
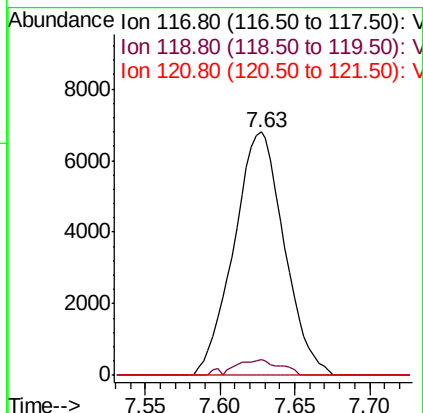
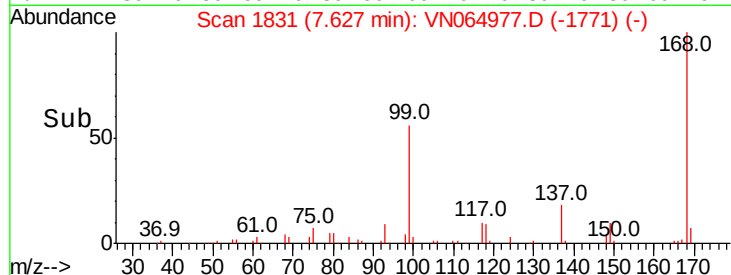
121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 0.368 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.05 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Tgt Ion: 41 Resp: 499

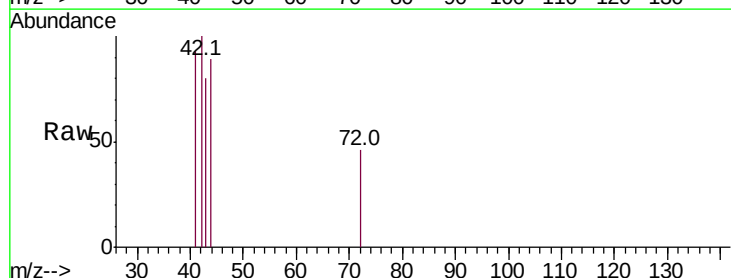
Ion Ratio Lower Upper

41 100

39 6.0 51.0 76.6#

67 0.0 79.8 119.8#

52 0.0 31.5 47.3#

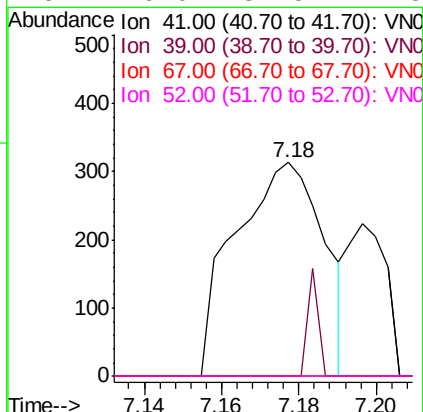
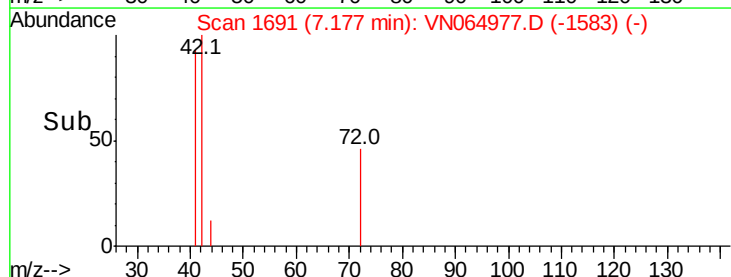


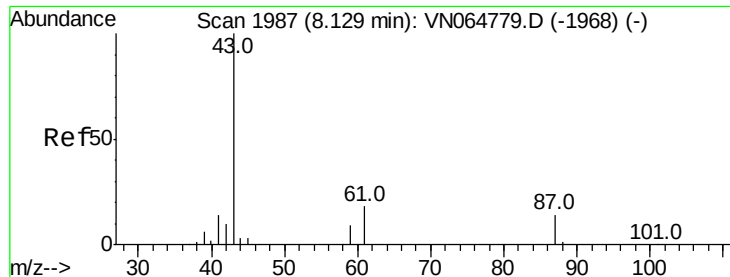
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 4.054 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#14

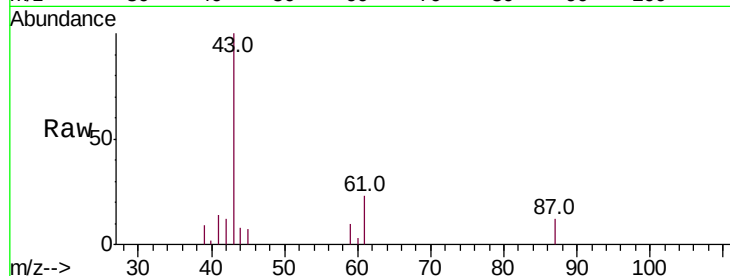
Tot Ion: 43 Resp: 19155

Ion Ratio Lower Upper

43 100

61 18.6 17.2 25.8

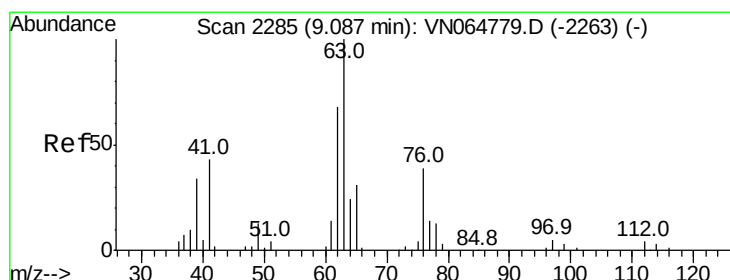
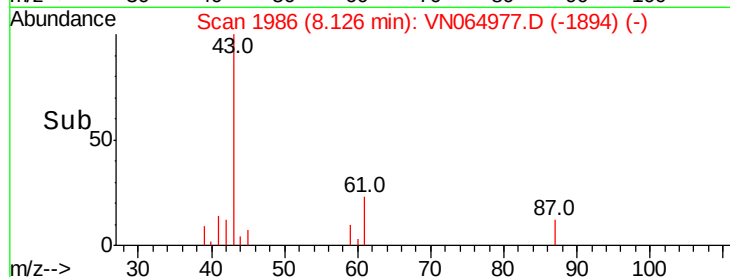
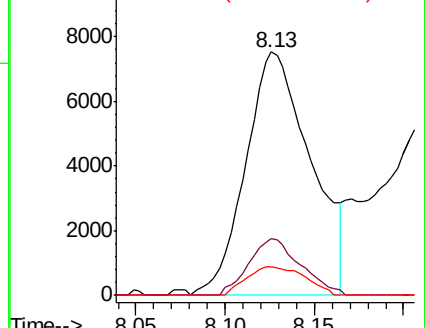
87 10.6 11.4 17.0#



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: 0.504 ug/l

RT: 9.24 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN064977.D

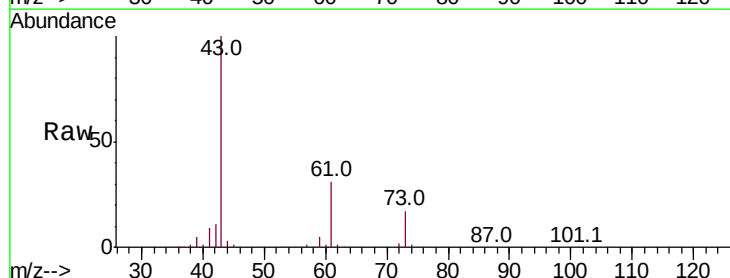
Acq: 8 Dec 2020 18:14

Tgt Ion: 63 Resp: 1218

Ion Ratio Lower Upper

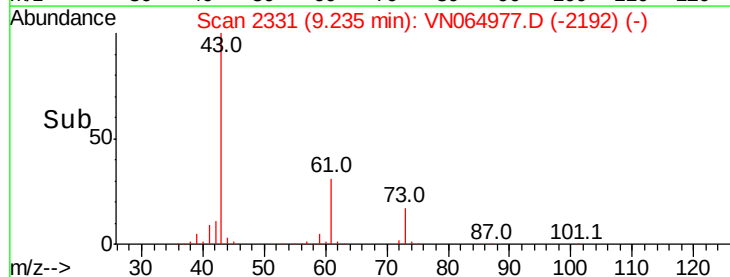
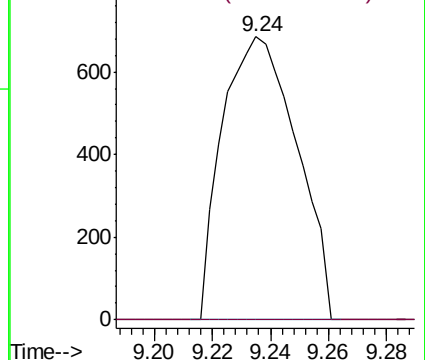
63 100

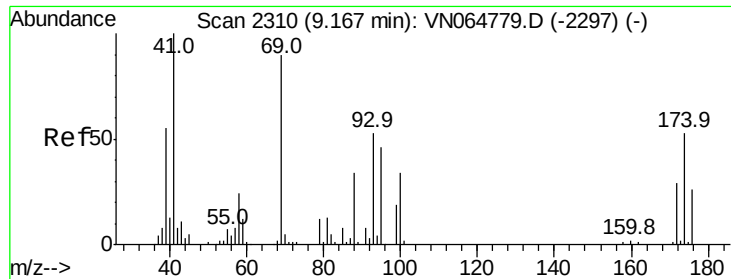
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#48

Methvl methacrylate

Concen: 2.066 ug/l

RT: 9.14 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#14

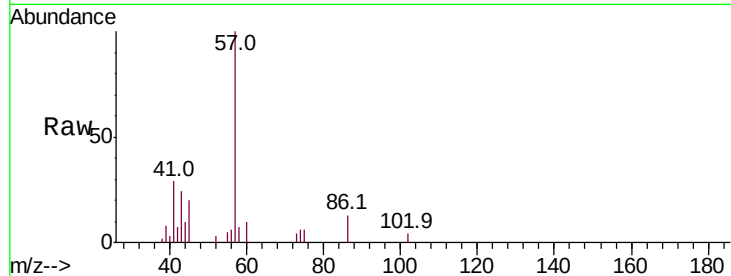
Tot Ion: 41 Resp: 4665

Ion Ratio Lower Upper

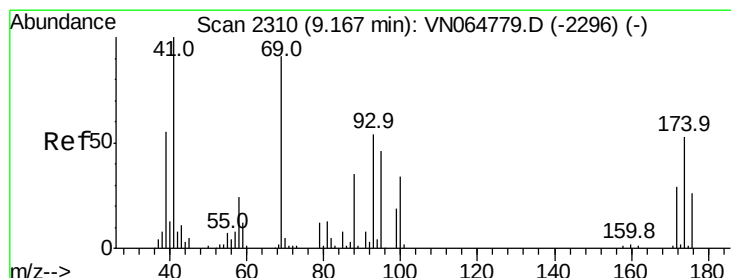
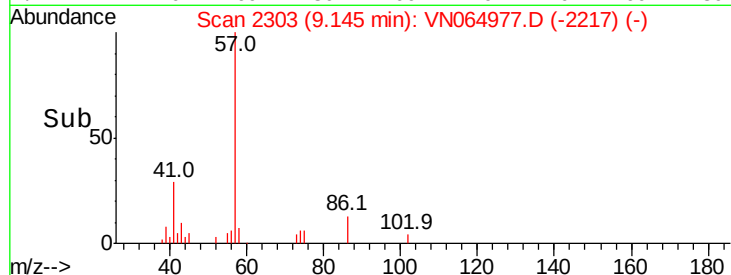
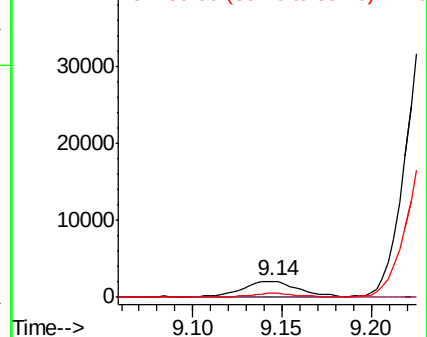
41 100

69 0.0 71.8 107.8#

39 0.0 44.1 66.1#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#49

1,4-Dioxane

Concen: 1.406 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

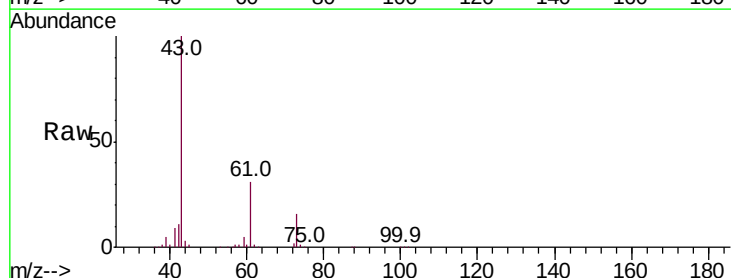
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

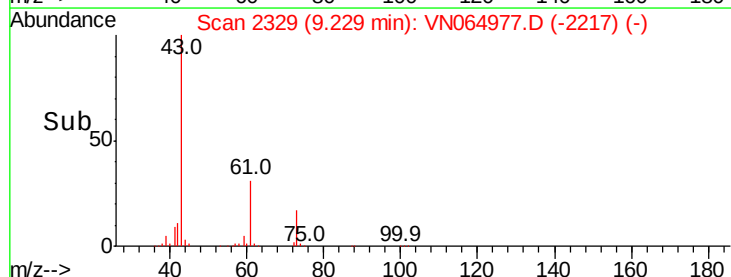
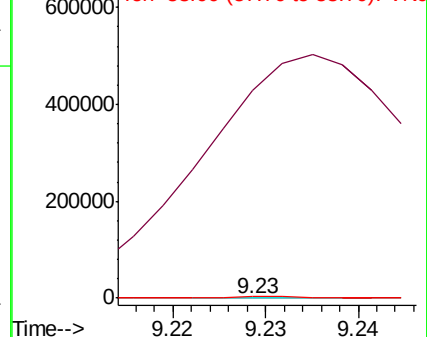
88 100

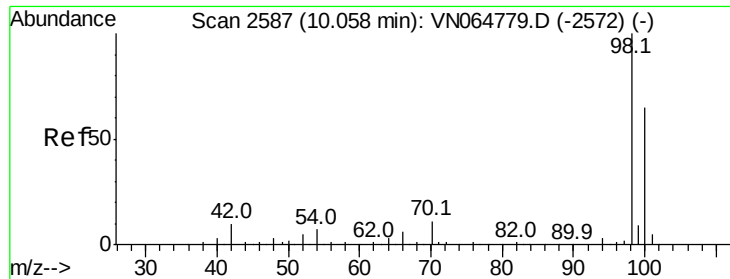
43 1504293.3 24.2 36.4#

58 7498.3 52.5 78.7#



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





#50

Toluene-d8

Concen: 50.258 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

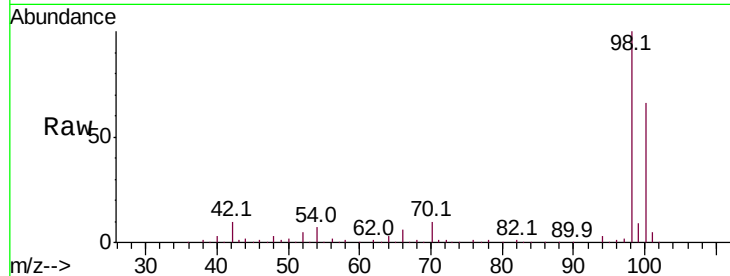
PB133456ZHE#14

Tot Ion: 98 Resp: 404093

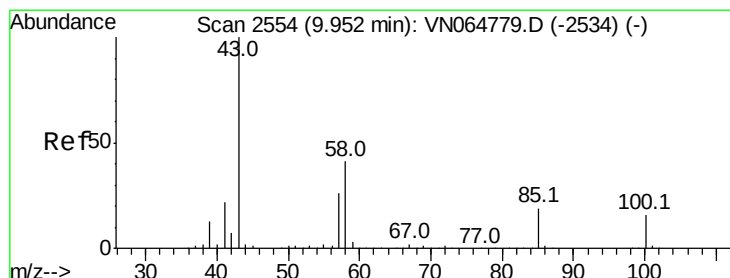
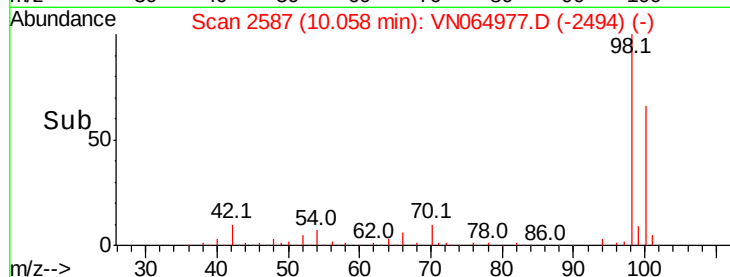
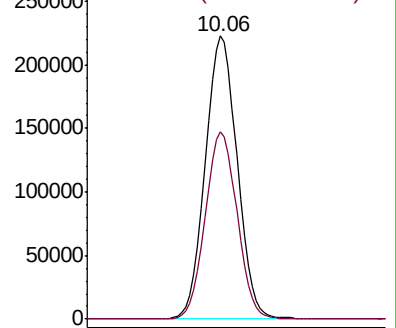
Ion Ratio Lower Upper

98 100

100 66.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064977.D (-2572) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.454 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064977.D

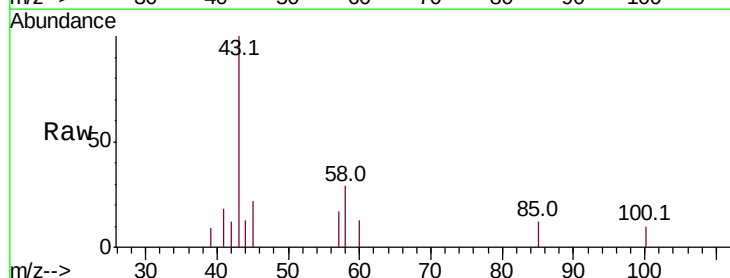
Acq: 8 Dec 2020 18:14

Tgt Ion: 43 Resp: 4124

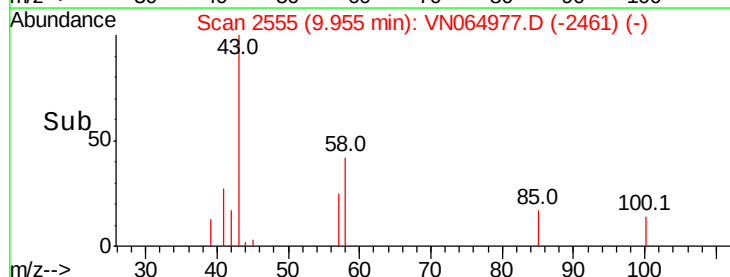
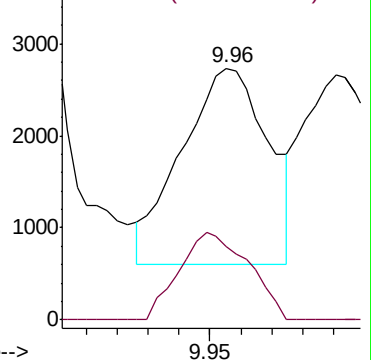
Ion Ratio Lower Upper

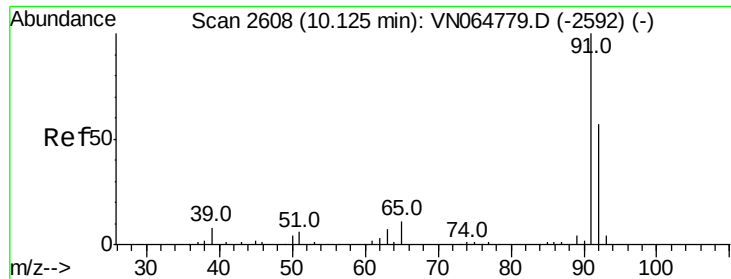
43 100

58 36.0 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN064977.D (-2534) (-)





#52

Toluene

Concen: 0.222 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

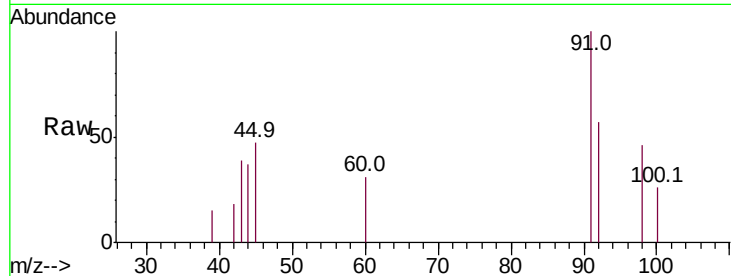
PB133456ZHE#14

Tot Ion: 92 Resp: 1276

Ion Ratio Lower Upper

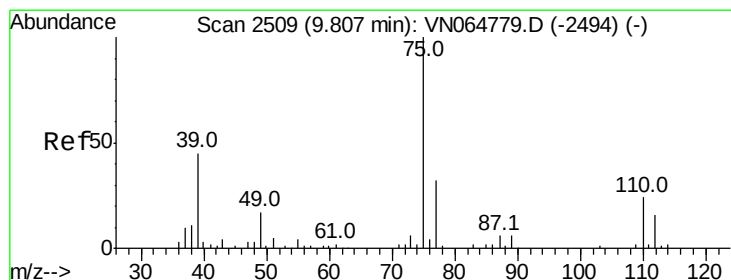
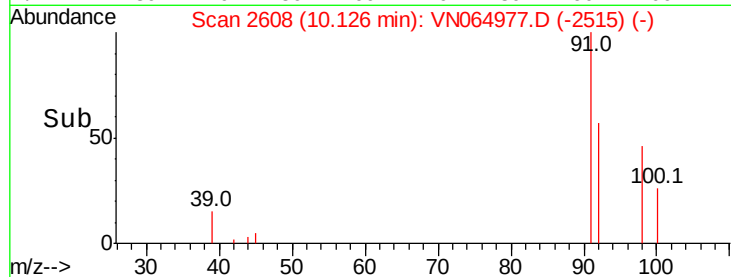
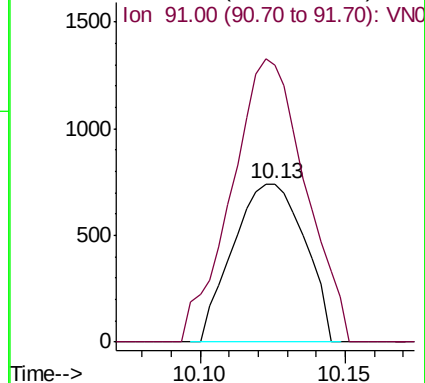
92 100

91 183.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064977.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN064977.D (-2515) (-)



#54

cis-1,3-Dichloropropene

Concen: 7.762 ug/l

RT: 9.87 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

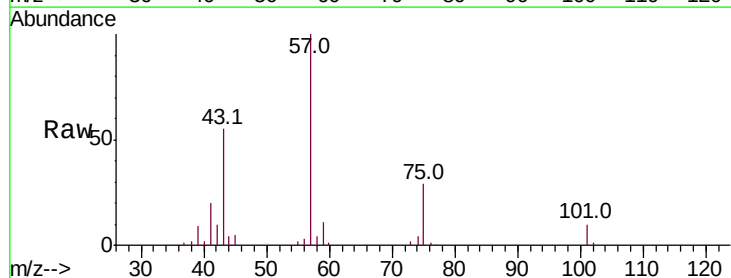
Tgt Ion: 75 Resp: 30133

Ion Ratio Lower Upper

75 100

77 1.0 25.5 38.3#

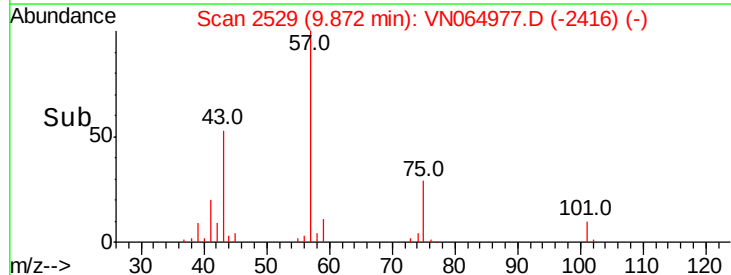
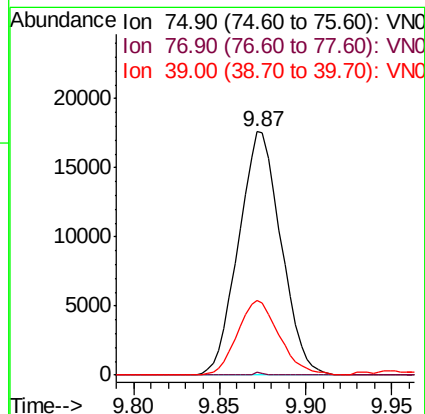
39 30.8 35.6 53.4#

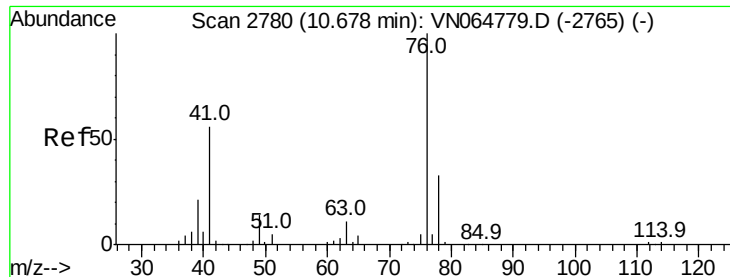


Abundance Ion 74.90 (74.60 to 75.60): VN064977.D (-2416) (-)

Ion 76.90 (76.60 to 77.60): VN064977.D (-2416) (-)

Ion 39.00 (38.70 to 39.70): VN064977.D (-2416) (-)





#57

1,3-Dichloropropane

Concen: 4.483 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument:

MSVOA_N

ClientSampleId:

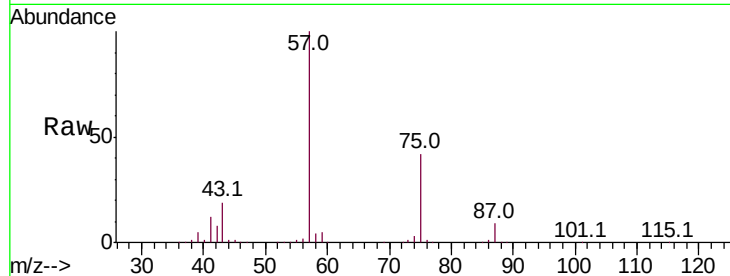
PB133456ZHE#14

Tot Ion: 76 Resp: 17495

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.73

12000

10000

8000

6000

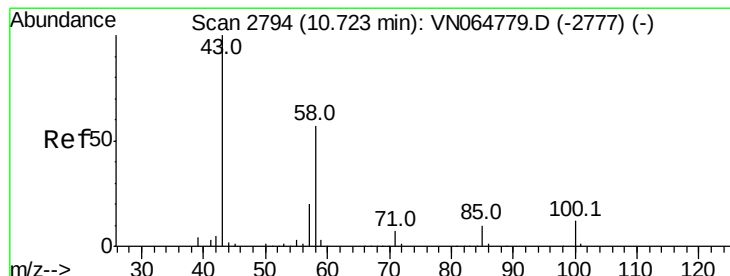
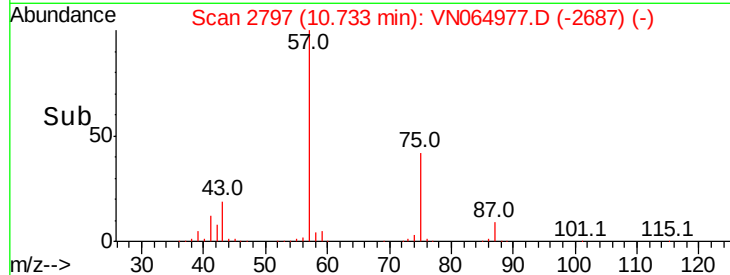
4000

2000

0

Time-->

10.70 10.75 10.80



#59

2-Hexanone

Concen: 109.897 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.01 min

Lab File: VN064977.D

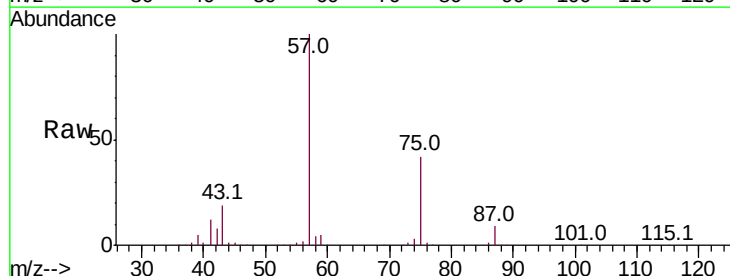
Acq: 8 Dec 2020 18:14

Tgt Ion: 43 Resp: 224347

Ion Ratio Lower Upper

43 100

58 20.2 28.3 84.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.74

150000

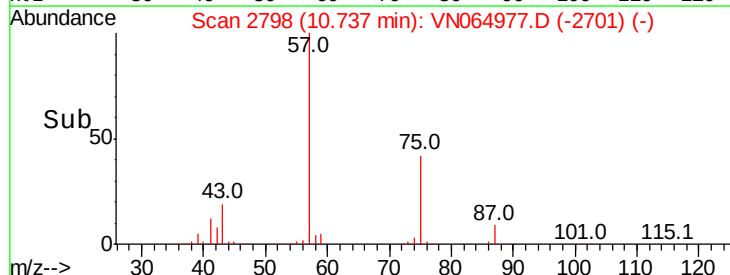
100000

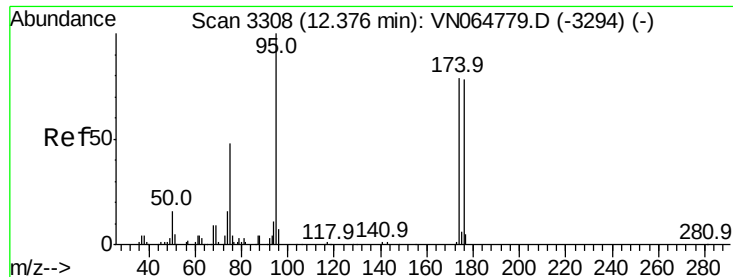
50000

0

Time-->

10.70 10.75 10.80

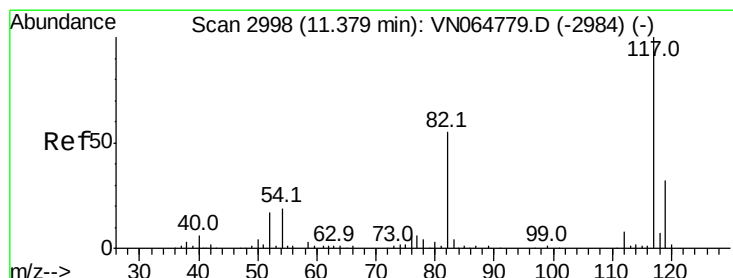
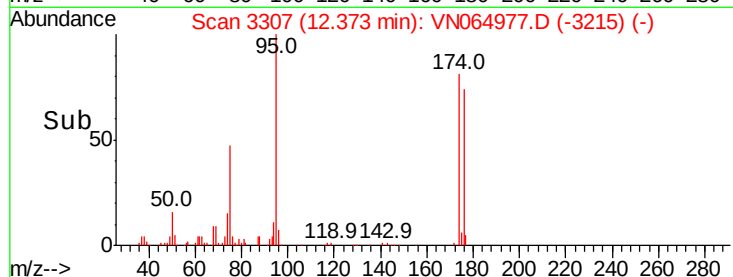
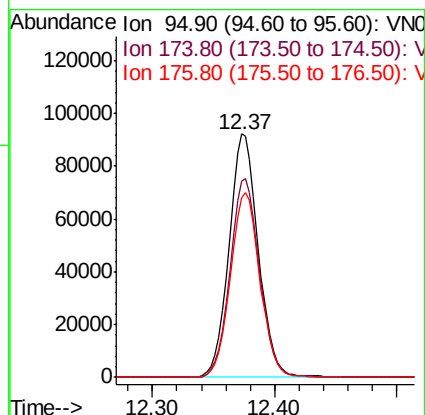
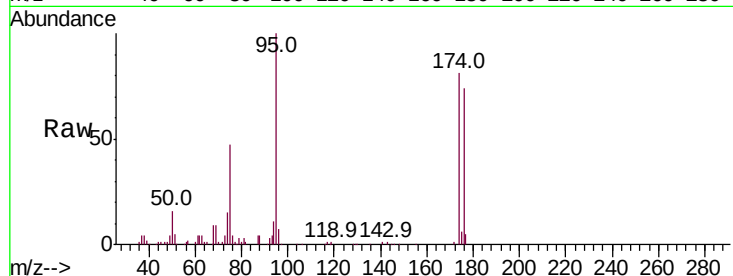




#62
4-Bromofluorobenzene
Concen: 53.642 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064977.D
Acq: 8 Dec 2020 18:14

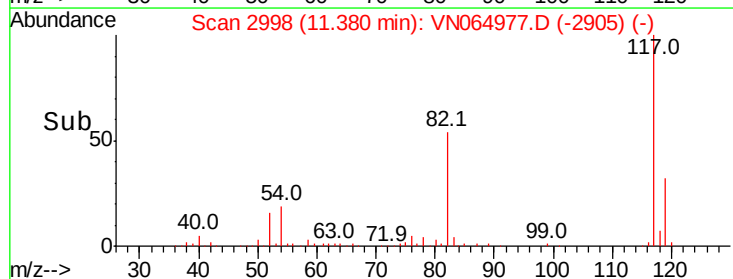
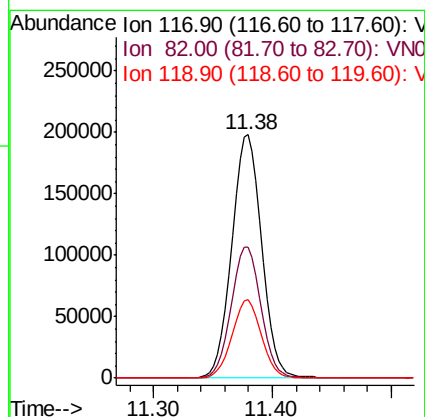
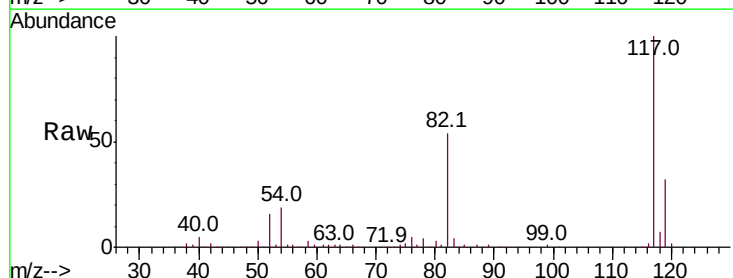
Instrument :
MSVOA_N
ClientSampleId :
PB133456ZHE#14

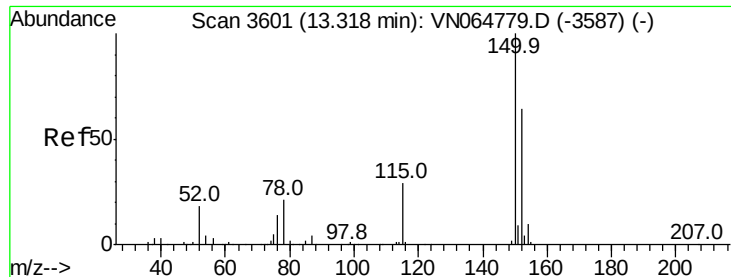
Tot Ion: 95 Resp: 154356
Ion Ratio Lower Upper
95 100
174 82.3 0.0 160.4
176 76.6 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064977.D
Acq: 8 Dec 2020 18:14

Tgt Ion: 117 Resp: 345507
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#14

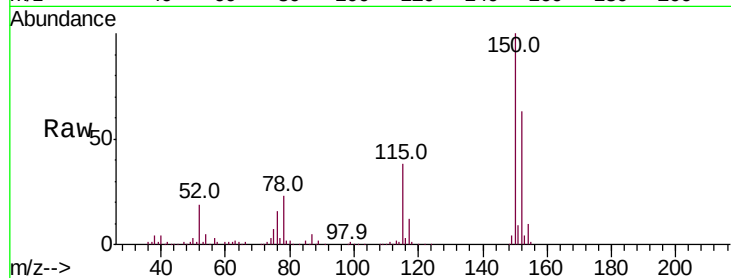
Tot Ion:152 Resp: 140901

Ion Ratio Lower Upper

152 100

115 59.5 29.7 89.1

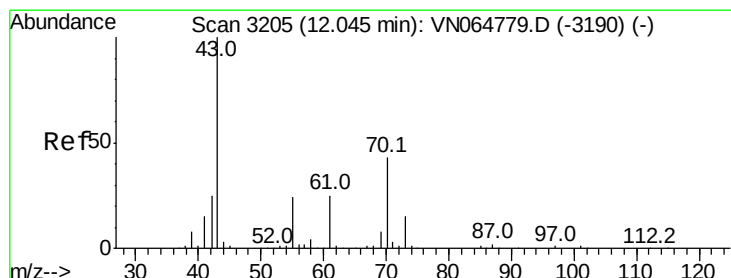
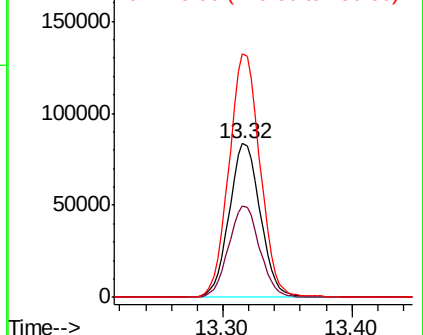
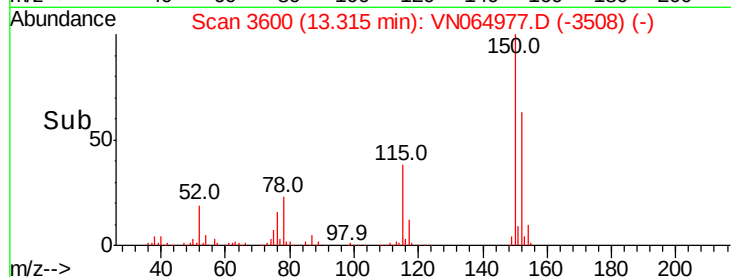
150 157.3 0.0 350.6



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



#74

N-ethyl acetate

Concen: 2.803 ug/l

RT: 11.85 min Scan# 3144

Delta R.T. -0.20 min

Lab File: VN064977.D

Acq: 8 Dec 2020 18:14

Tgt Ion: 43 Resp: 10810

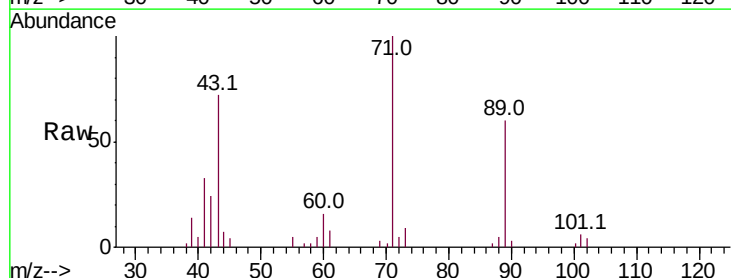
Ion Ratio Lower Upper

43 100

70 1.7 34.5 51.7#

55 7.1 20.4 30.6#

61 9.0 20.0 30.0#

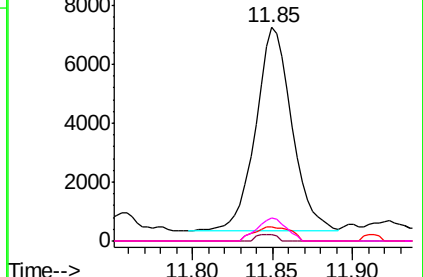
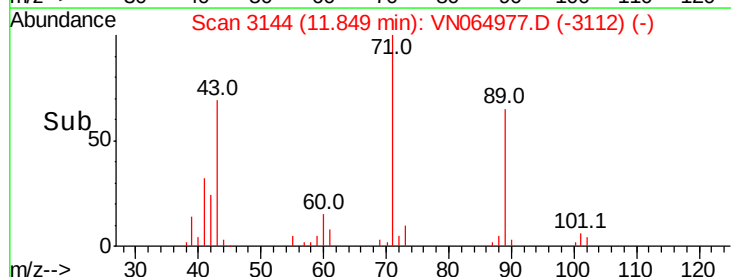


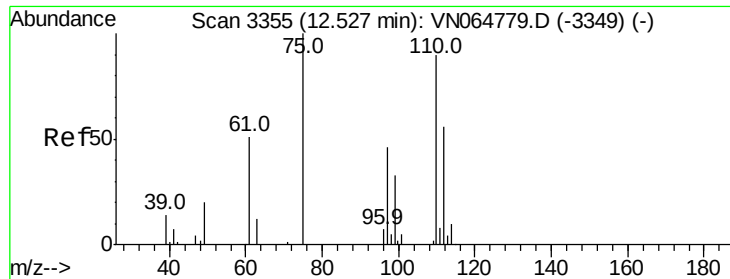
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

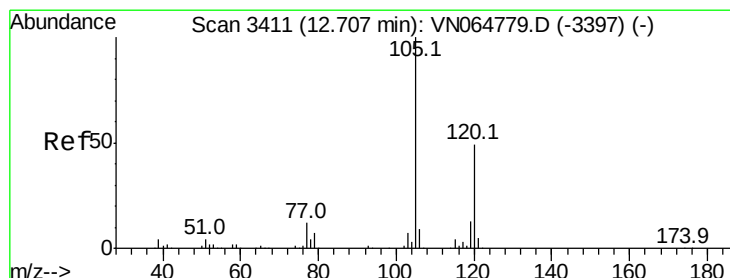
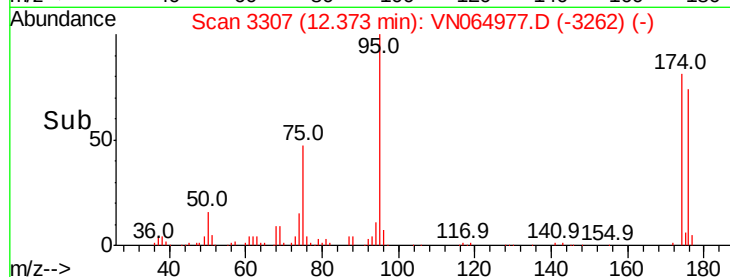
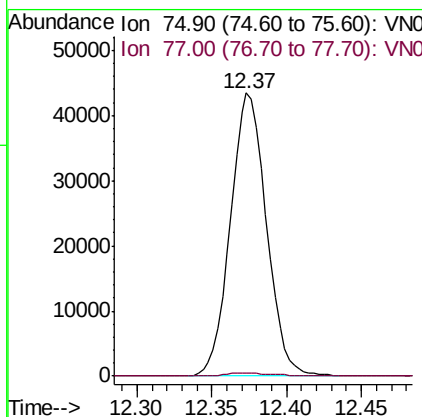
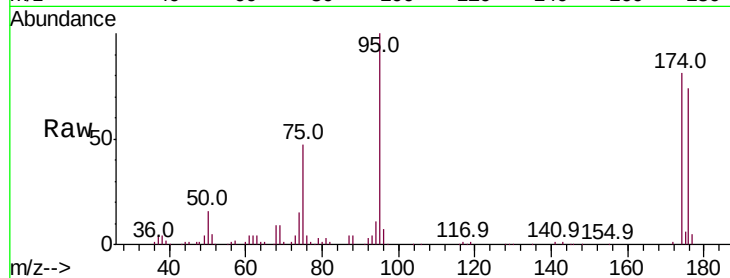




#76
 1,2,3-Trichloropropane
 Concen: 23.975 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064977.D
 Acq: 8 Dec 2020 18:14

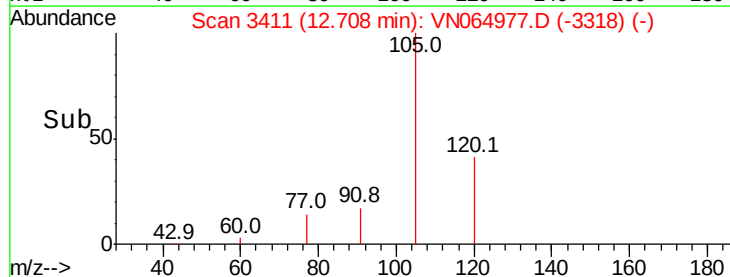
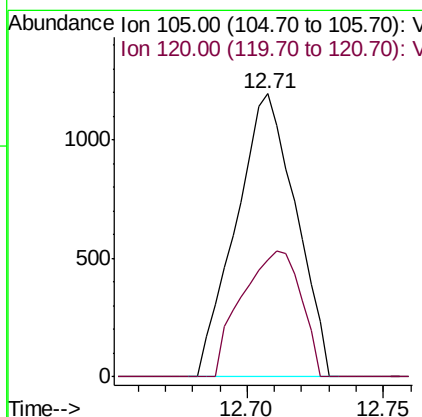
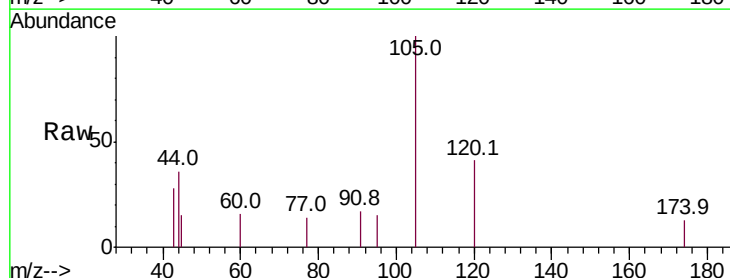
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133456ZHE#14

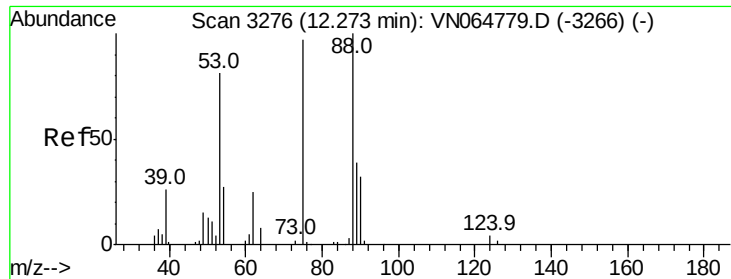
Tot Ion: 75 Resp: 72750
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.223 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064977.D
 Acq: 8 Dec 2020 18:14

Tgt Ion:105 Resp: 1817
 Ion Ratio Lower Upper
 105 100
 120 44.2 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 65.710 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064977.D

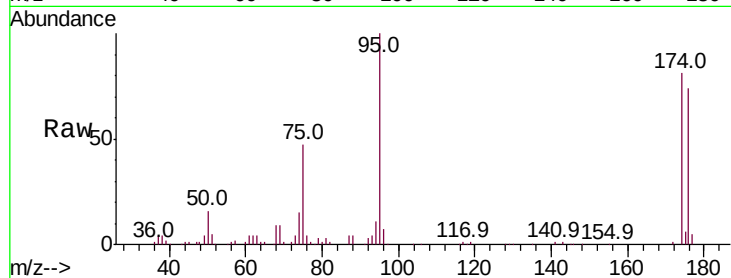
Acq: 8 Dec 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#14



Tot Ion:	75	Resp:	72750
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.0	100.4#
89	0.0	39.6	59.4#

