

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064377.D
 Acq On : 29 Oct 2020 16:33
 Operator : JC/MD
 Sample : PB132688ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#08

Quant Time: Oct 30 05:33:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

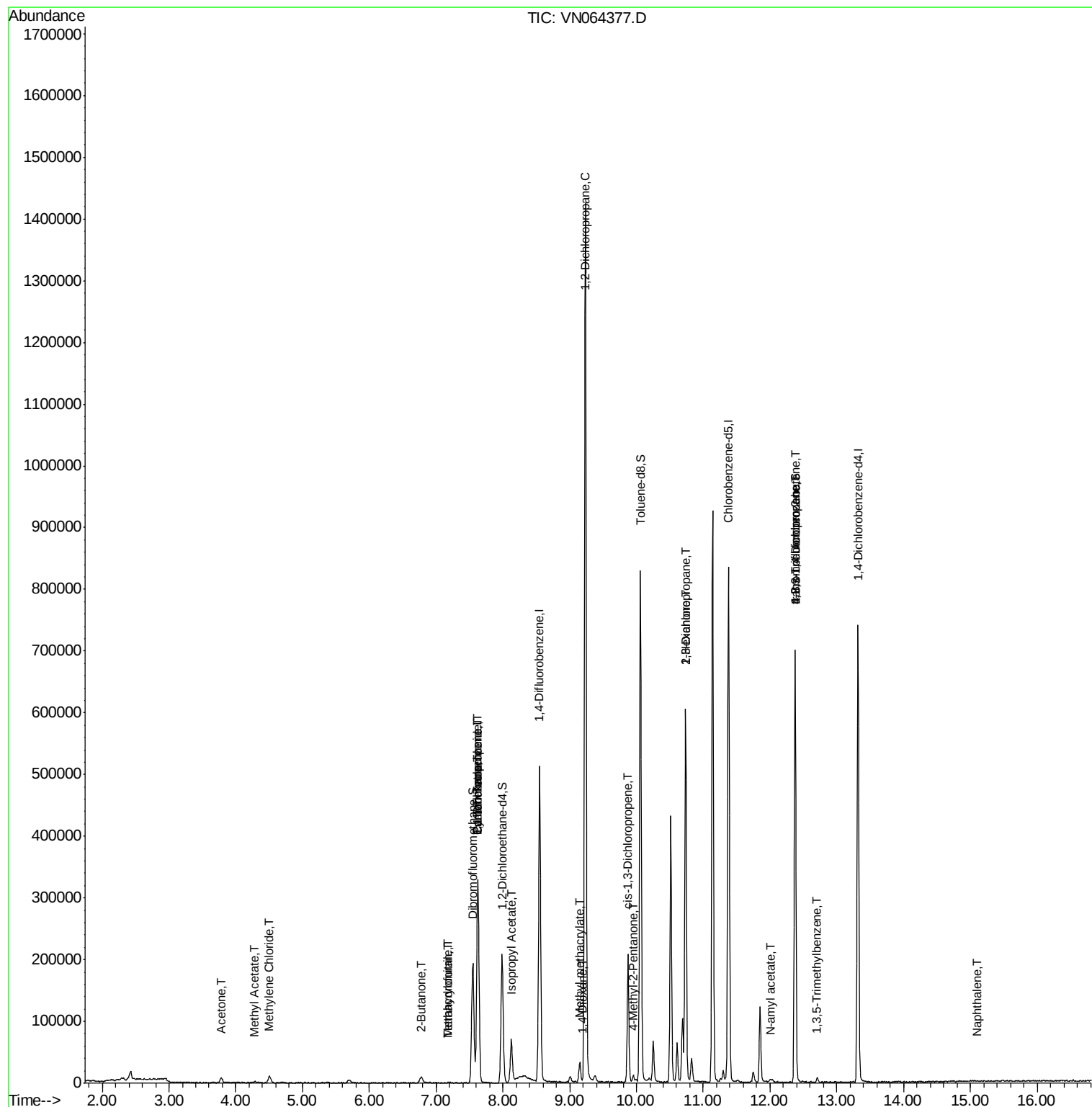
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	248222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	431211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	448505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184609	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	196514	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
35) Dibromofluoromethane	7.55	113	142829	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
50) Toluene-d8	10.06	98	544575	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.38	95	236820	57.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.20%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	14371	3.319	ug/l #	89
18) Methyl Acetate	4.28	43	2687	0.897	ug/l	94
20) Methylene Chloride	4.50	84	7273	2.571	ug/l	90
25) 2-Butanone	6.78	43	1308	0.653	ug/l #	52
29) Tetrahydrofuran	7.19	42	477	0.367	ug/l #	54
31) Cyclohexane	7.63	56	5883	1.271	ug/l #	31
36) 1,1-Dichloropropene	7.63	75	21740	4.996	ug/l #	48
38) Carbon Tetrachloride	7.62	117	28071	5.564	ug/l #	17
41) Methacrylonitrile	7.18	41	497	0.228	ug/l #	23
43) Isopropyl Acetate	8.13	43	86038	11.450	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	1438	0.443	ug/l #	44
48) Methyl methacrylate	9.15	41	4837	1.248	ug/l #	16
49) 1,4-Dioxane	9.19	88	30	0.525	ug/l #	20
51) 4-Methyl-2-Pentanone	9.95	43	7506	1.718	ug/l	88
54) cis-1,3-Dichloropropene	9.87	75	33833	6.181	ug/l #	62
57) 1,3-Dichloropropane	10.73	76	5638	1.095	ug/l #	42
59) 2-Hexanone	10.74	43	103629	32.213	ug/l #	51
74) N-amyl acetate	12.00	43	3229	0.531	ug/l #	47
76) 1,2,3-Trichloropropane	12.38	75	135046	30.547	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.70	105	4151	0.355	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.38	75	135046	87.992	ug/l #	8
95) Naphthalene	15.12	128	77	2.400	ug/l #	69

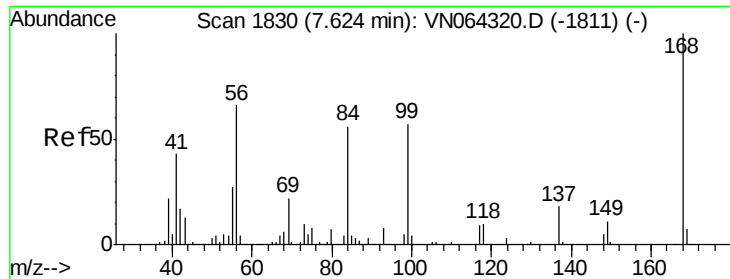
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

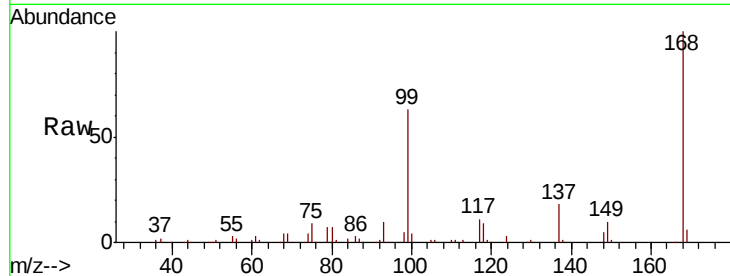
PB132688ZHE#08

Tot Ion:168 Resp: 248222

Ion Ratio Lower Upper

168 100

99 62.6 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064320.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064320.D (-1811) (-)

7.63

120000

100000

80000

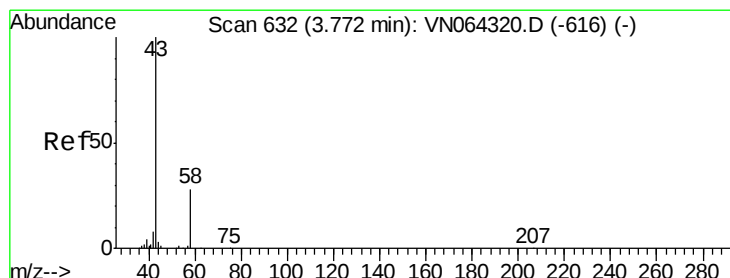
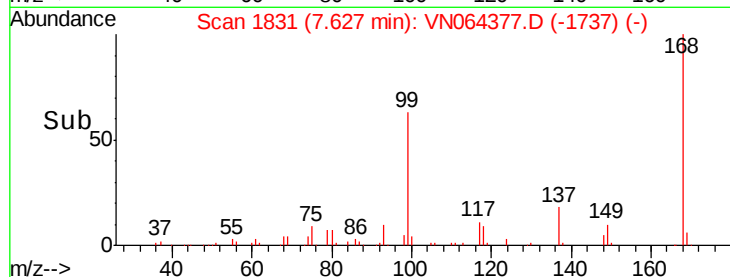
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 3.319 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064377.D

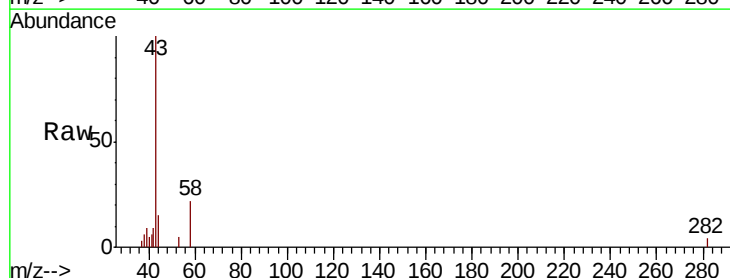
Acq: 29 Oct 2020 16:33

Tgt Ion: 43 Resp: 14371

Ion Ratio Lower Upper

43 100

58 21.7 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-616) (-)

3.78

5000

4000

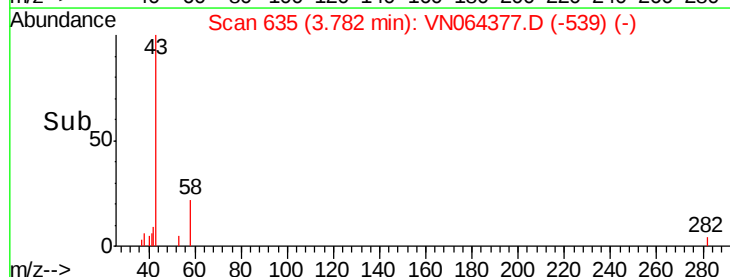
3000

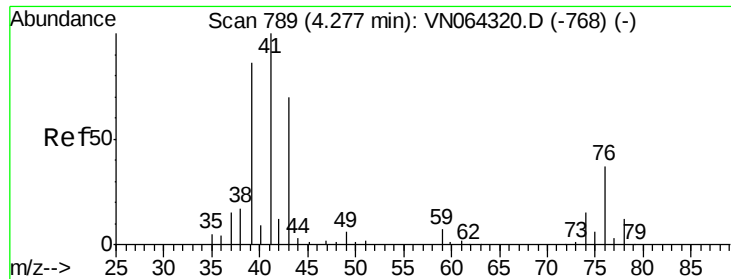
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

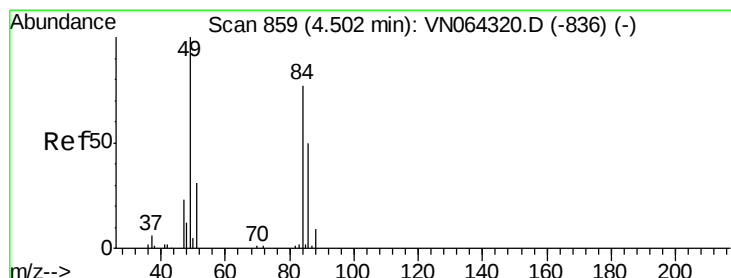
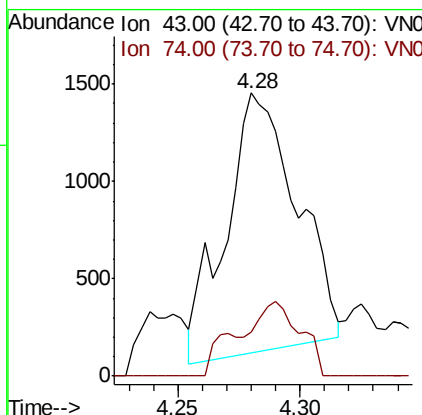
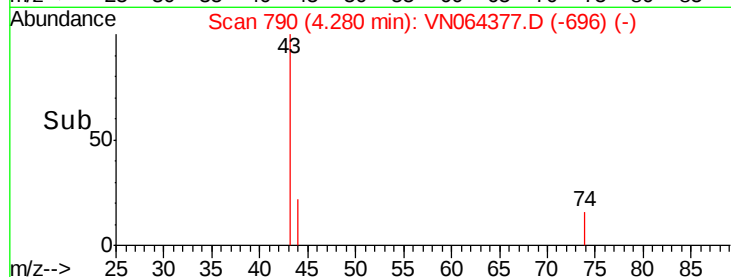
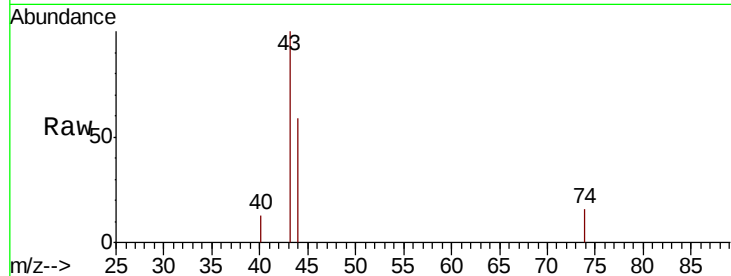




#18
Methyl Acetate
Concen: 0.897 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

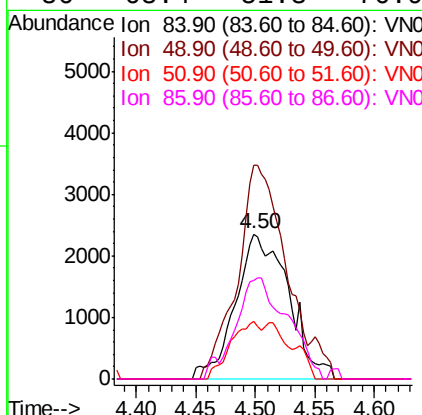
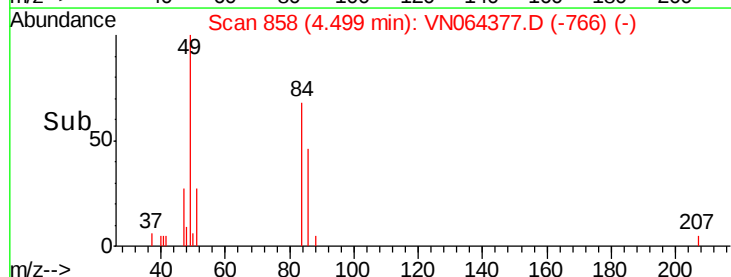
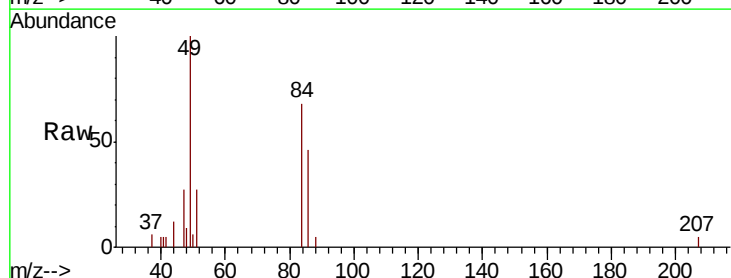
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#08

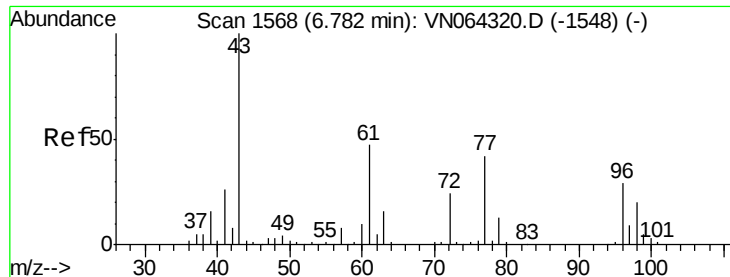
Tot Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
74 18.0 16.7 25.1



#20
Methylene Chloride
Concen: 2.571 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

Tgt Ion: 84 Resp: 7273
Ion Ratio Lower Upper
84 100
49 147.4 103.6 155.4
51 39.8 31.8 47.8
86 68.4 51.3 76.9

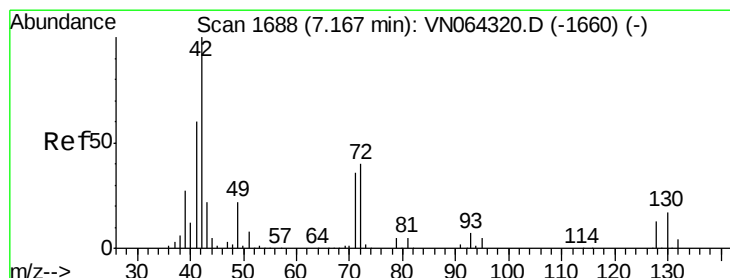
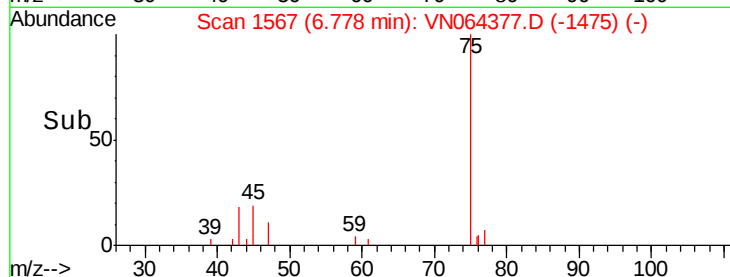
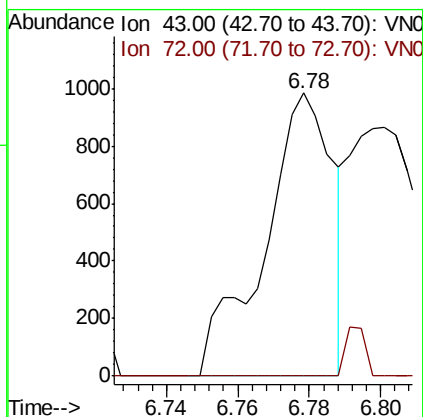
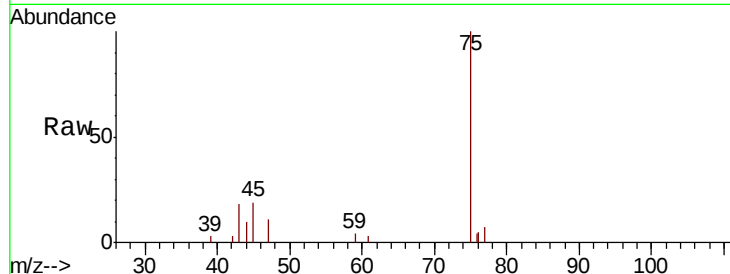




#25
2-Butanone
Concen: 0.653 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

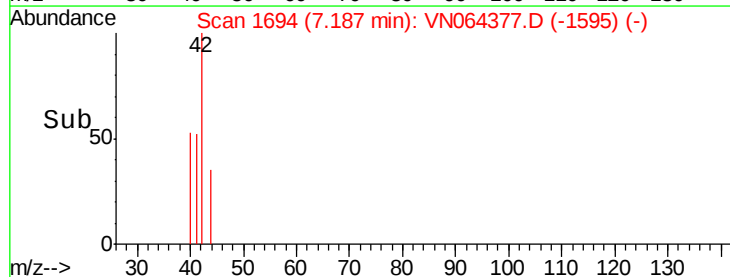
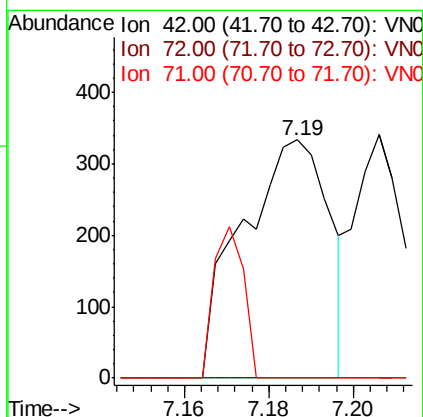
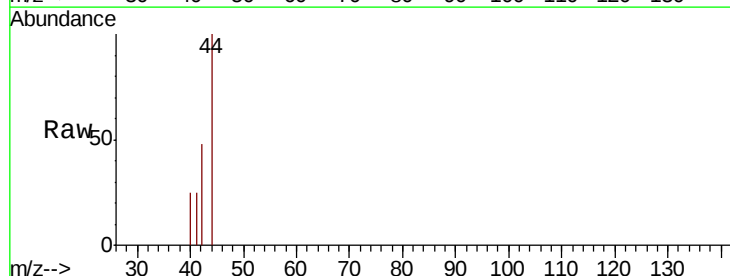
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#08

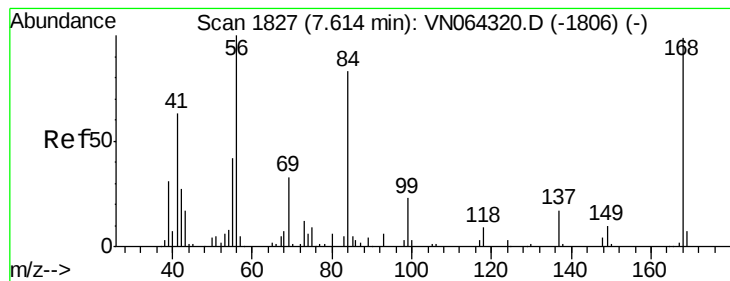
Tot Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#29
Tetrahydrofuran
Concen: 0.367 ug/l
RT: 7.19 min Scan# 1694
Delta R.T. 0.02 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

Tgt Ion: 42 Resp: 477
Ion Ratio Lower Upper
42 100
72 0.0 31.6 47.4#
71 21.6 29.4 44.0#





#31

Cyclohexane

Concen: 1.271 ug/l

RT: 7.63 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#08

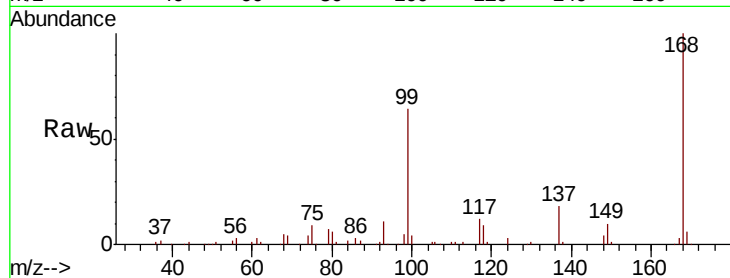
Tot Ion: 56 Resp: 5883

Ion Ratio Lower Upper

56 100

69 152.1 25.8 38.8#

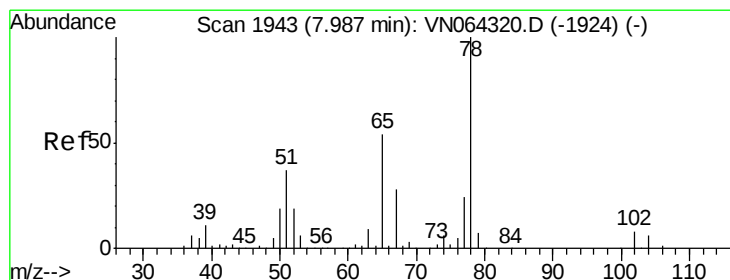
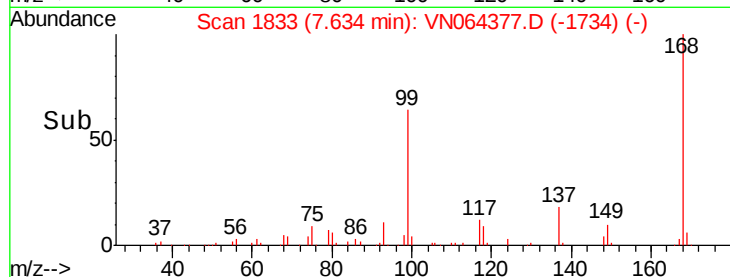
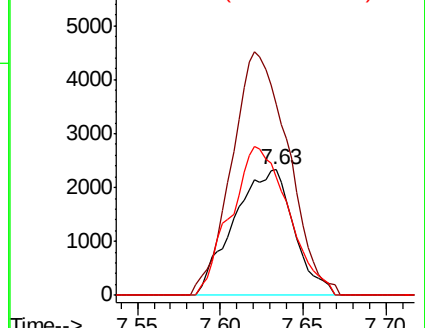
84 94.0 66.3 99.5



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



#33

1,2-Dichloroethane-d4

Concen: 49.265 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064377.D

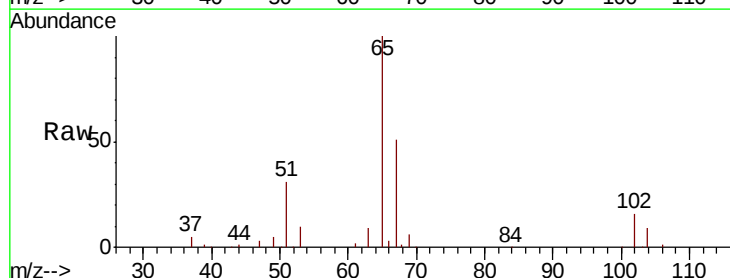
Acq: 29 Oct 2020 16:33

Tgt Ion: 65 Resp: 196514

Ion Ratio Lower Upper

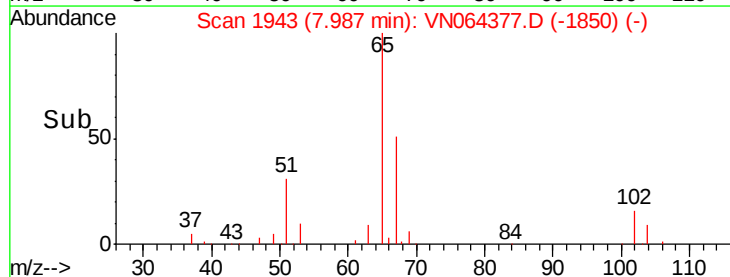
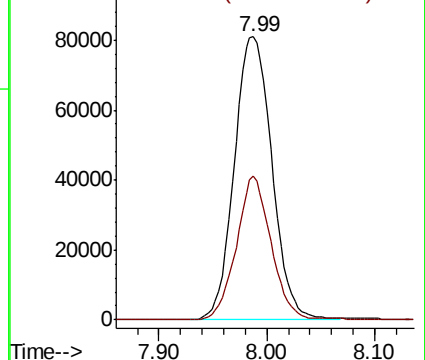
65 100

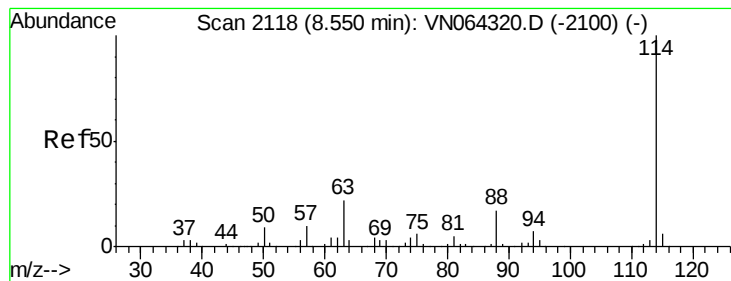
67 46.6 0.0 99.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

Instrument :

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PB132688ZHE#08

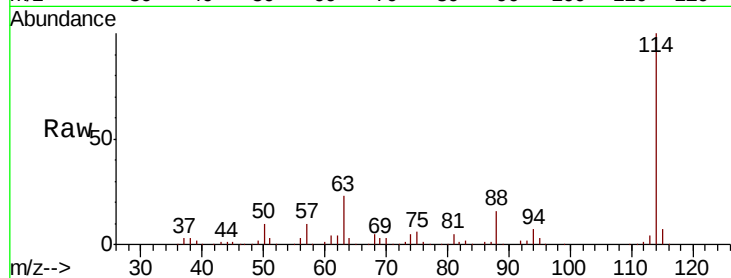
Tot Ion:114 Resp: 431211

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

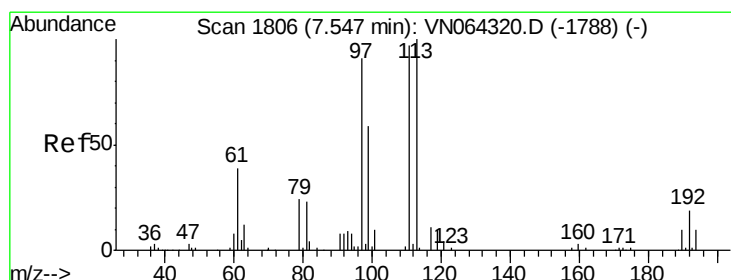
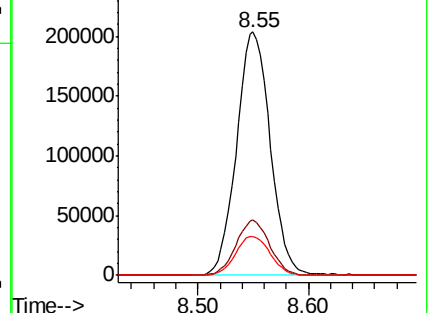
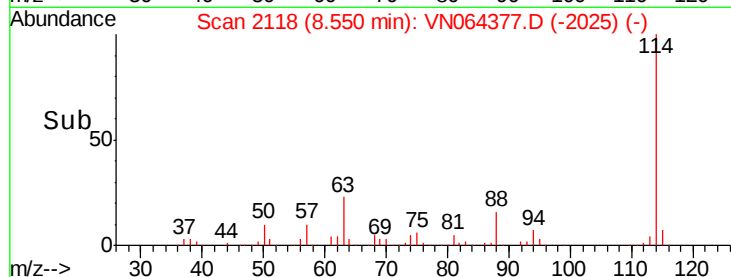
88 15.8 0.0 33.4



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: 49.669 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

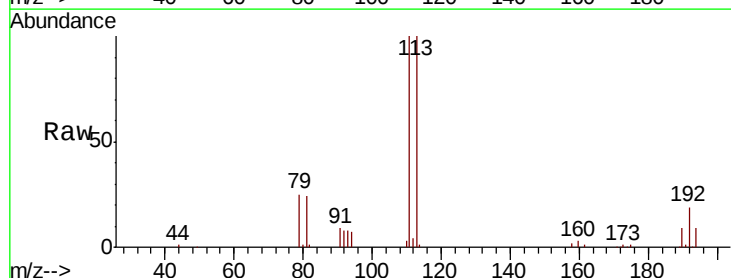
Tgt Ion:113 Resp: 142829

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

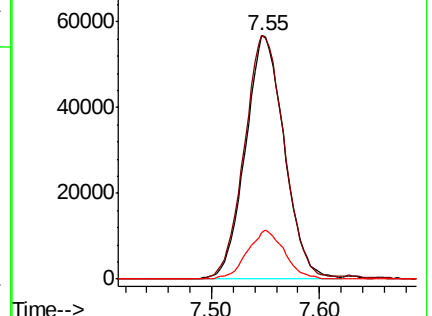
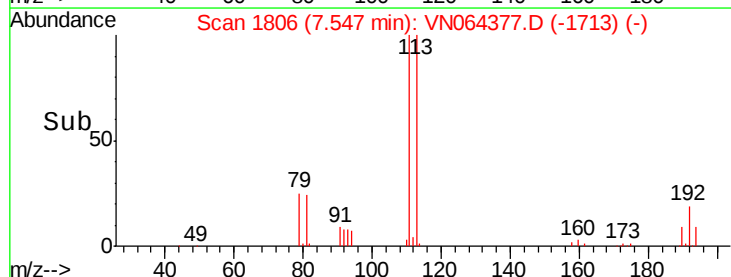
192 19.0 15.0 22.4

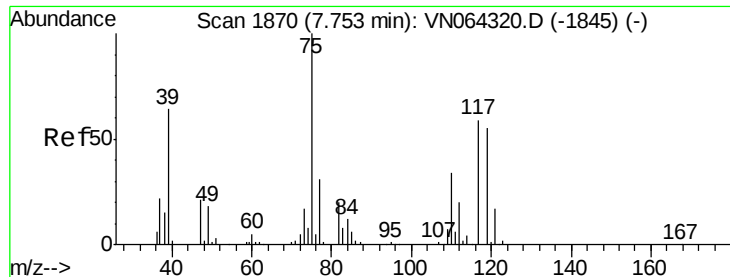


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.996 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

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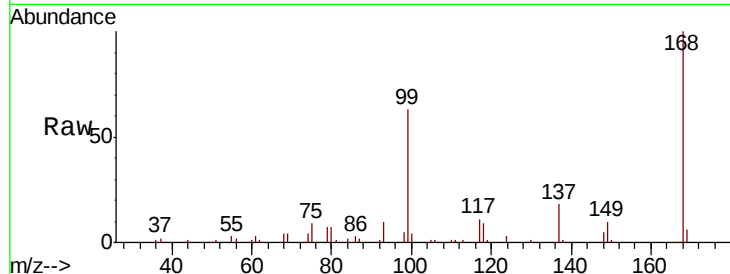
Tot Ion: 75 Resp: 21740

Ion Ratio Lower Upper

75 100

110 5.5 16.8 50.3#

77 0.0 24.2 36.4#

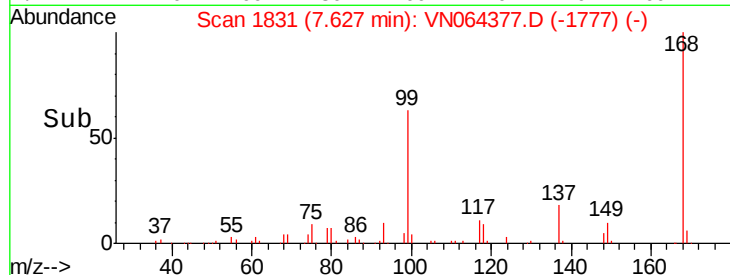


Abundance Ion 74.90 (74.60 to 75.60): VN064377.D (-1777) (-)

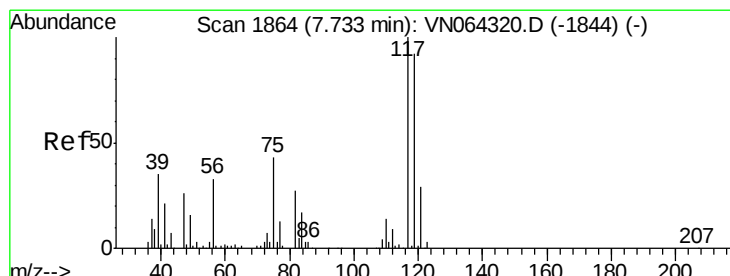
Ion 109.90 (109.60 to 110.60): VN064377.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064377.D (-1777) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.564 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

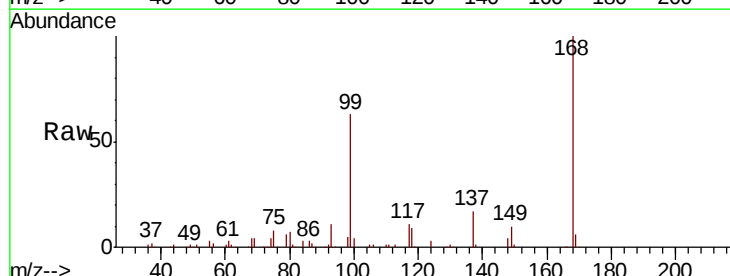
Tgt Ion: 117 Resp: 28071

Ion Ratio Lower Upper

117 100

119 4.5 73.7 110.5#

121 0.0 22.8 34.2#

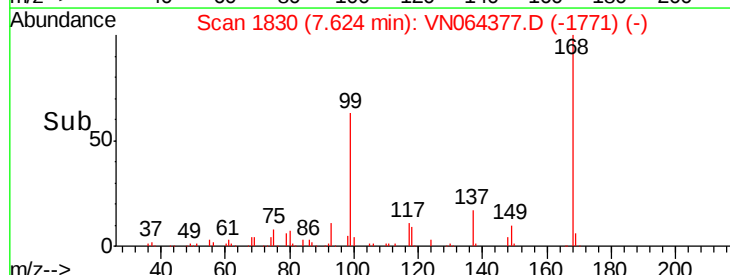


Abundance Ion 116.80 (116.50 to 117.50): VN064377.D (-1771) (-)

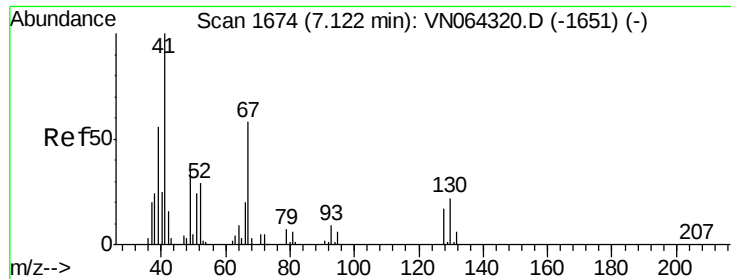
Ion 118.80 (118.50 to 119.50): VN064377.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN064377.D (-1771) (-)

Time-->



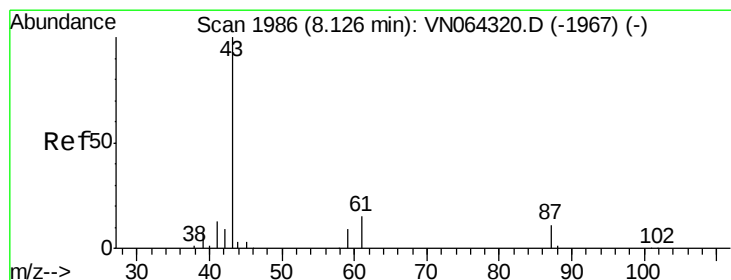
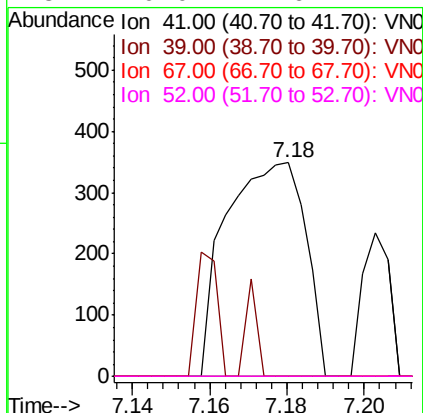
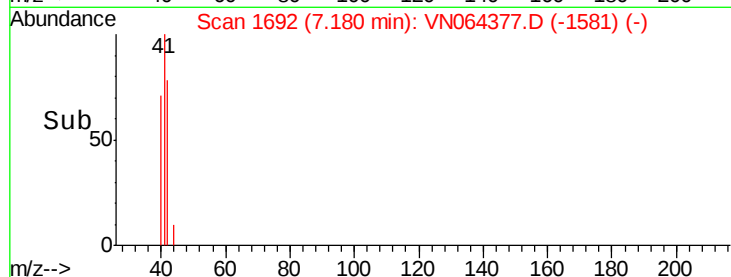
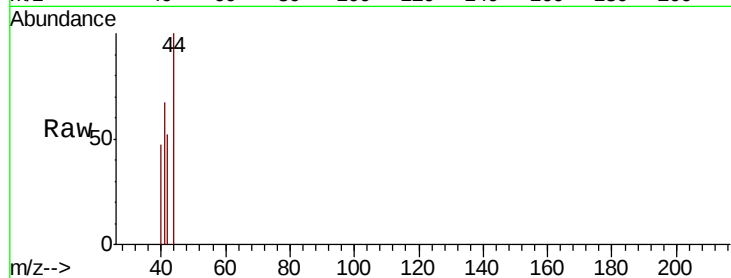
Time-->



#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 7.18 min Scan# 1692
Delta R.T. 0.06 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

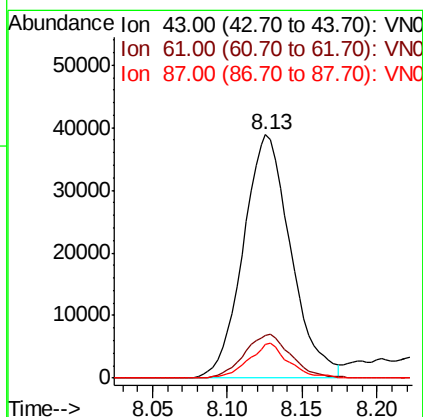
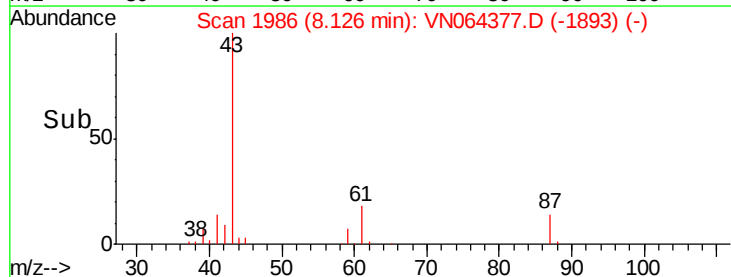
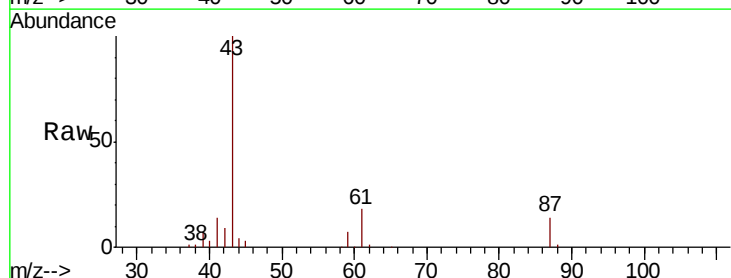
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#08

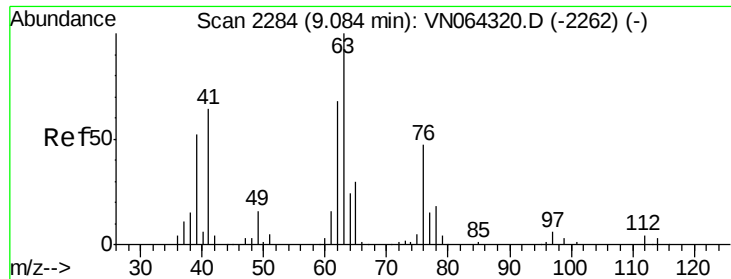
Tot Ion:	41	Resp:	497
Ion	Ratio	Lower	Upper
41	100		
39	6.2	48.6	72.8#
67	0.0	61.4	92.2#
52	0.0	27.6	41.4#



#43
Isopropyl Acetate
Concen: 11.450 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

Tgt Ion:	43	Resp:	86038
Ion	Ratio	Lower	Upper
43	100		
61	17.6	19.1	28.7#
87	12.0	9.3	13.9





#45

1,2-Dichloropropane

Concen: 0.443 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

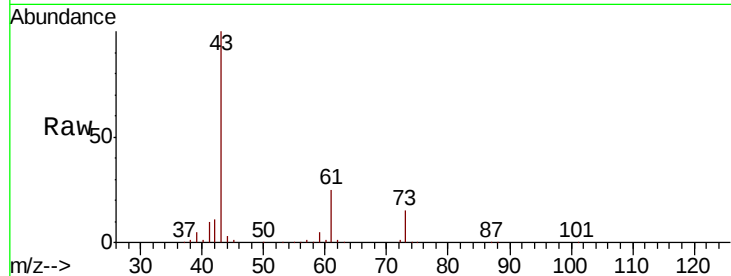
PB132688ZHE#08

Tot Ion: 63 Resp: 1438

Ion Ratio Lower Upper

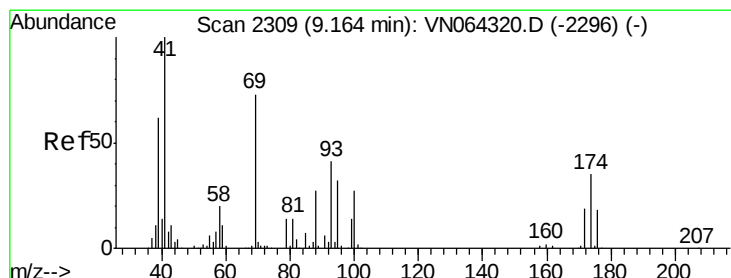
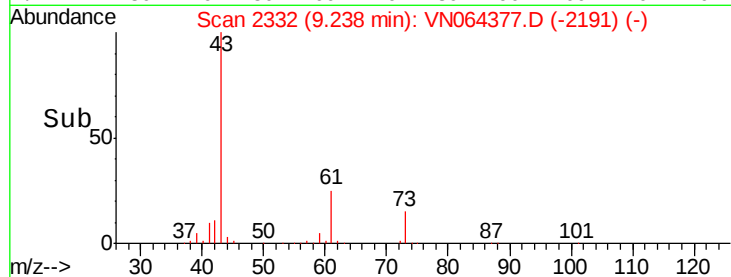
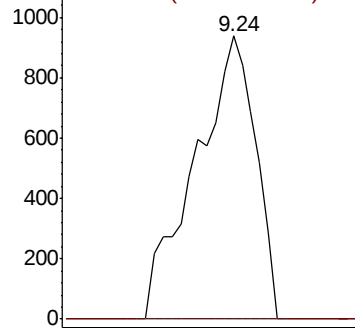
63 100

65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.248 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

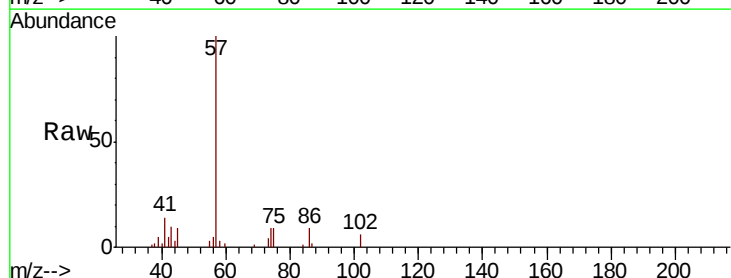
Tgt Ion: 41 Resp: 4837

Ion Ratio Lower Upper

41 100

69 0.6 59.1 88.7#

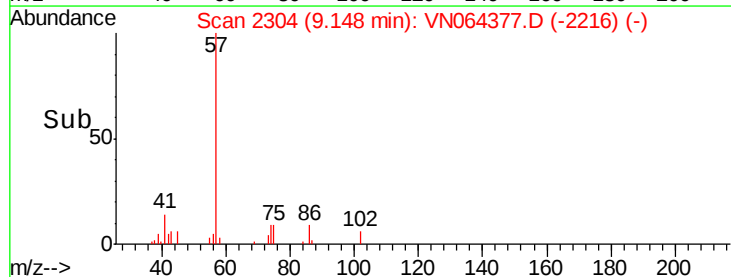
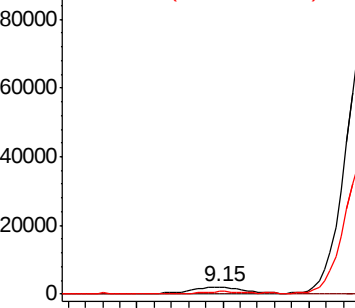
39 0.0 51.3 76.9#

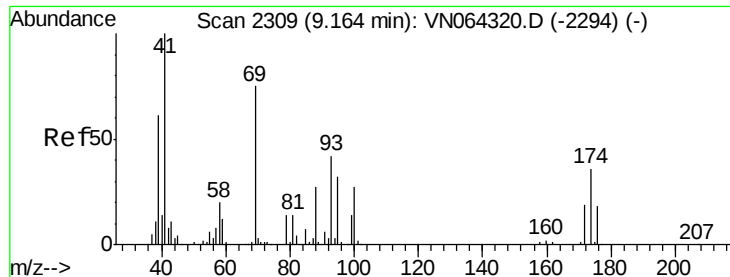


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

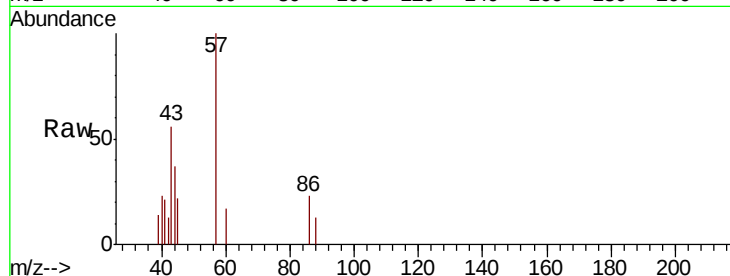




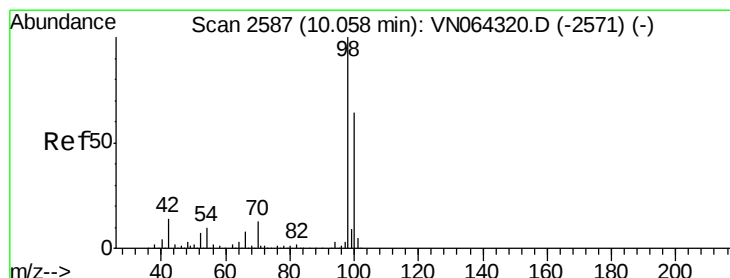
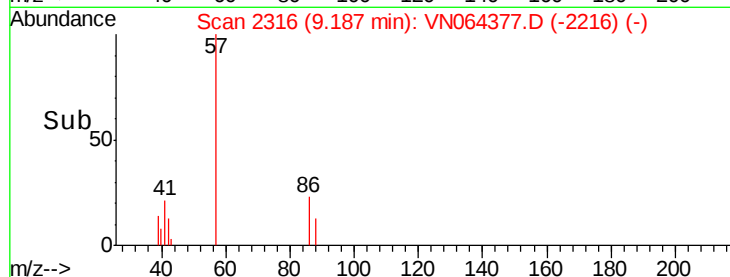
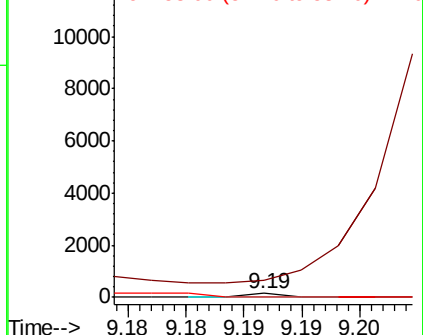
#49
1,4-Dioxane
Concen: 0.525 ug/l
RT: 9.19 min Scan# 2316
Delta R.T. 0.02 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#08

Tot Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 31.8 47.8#
58 0.0 60.3 90.5#

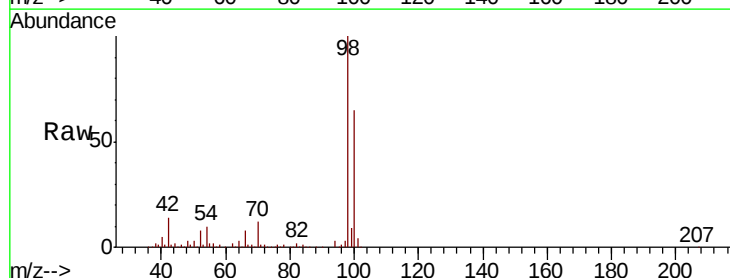


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

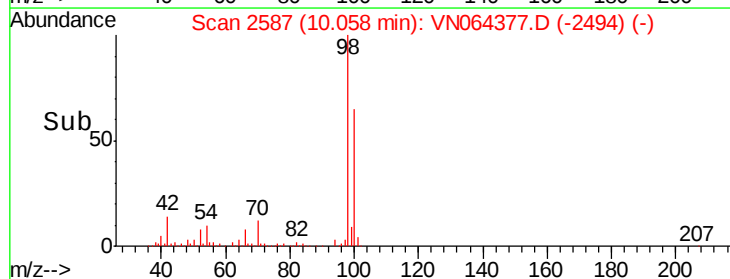
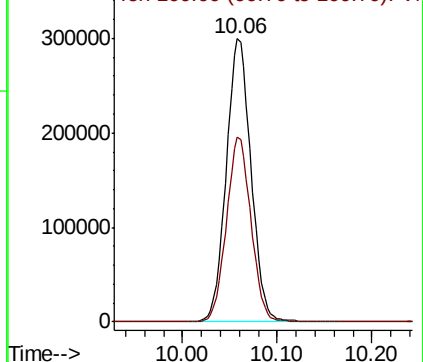


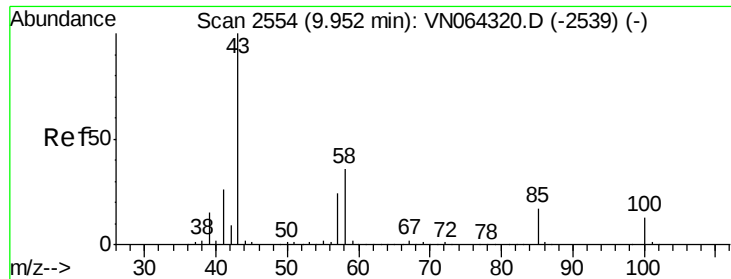
#50
Toluene-d8
Concen: 51.198 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

Tgt Ion: 98 Resp: 544575
Ion Ratio Lower Upper
98 100
100 64.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

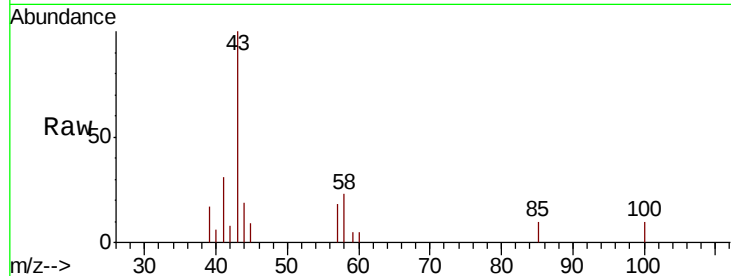




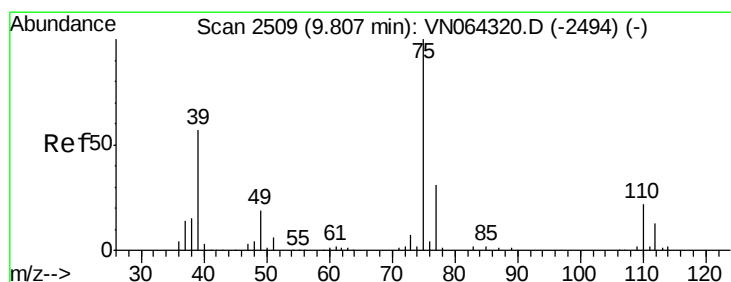
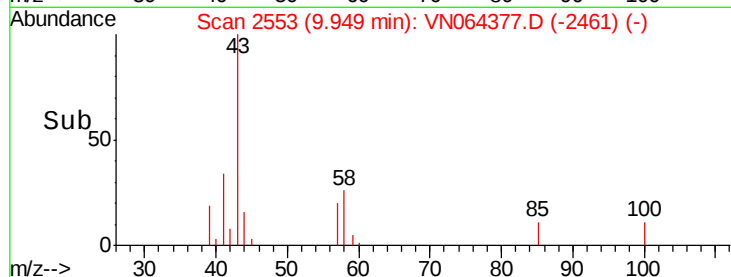
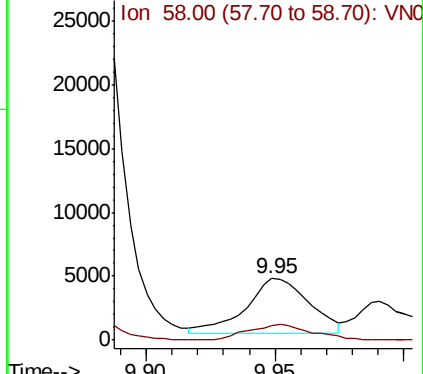
#51
 4-Methyl-2-Pentanone
 Concen: 1.718 ug/l
 RT: 9.95 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN064377.D
 Acq: 29 Oct 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#08

Tot Ion: 43 Resp: 7506
 Ion Ratio Lower Upper
 43 100
 58 28.7 28.6 42.8

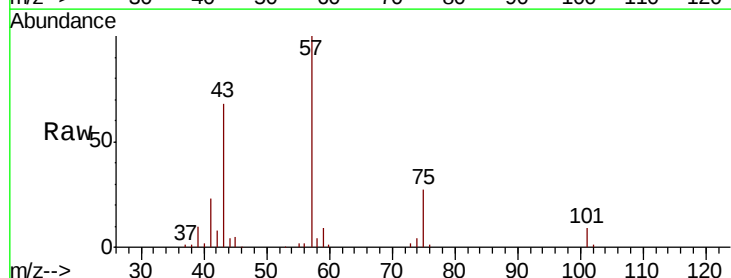


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

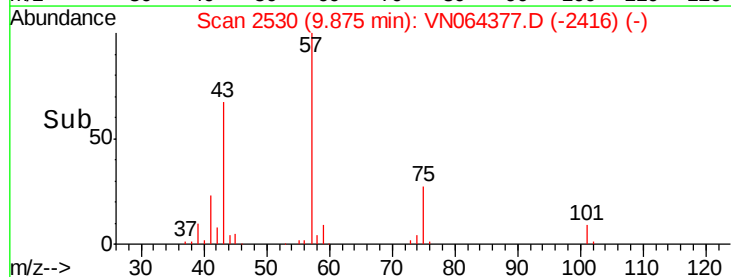
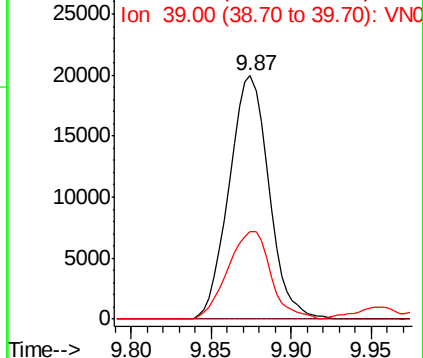


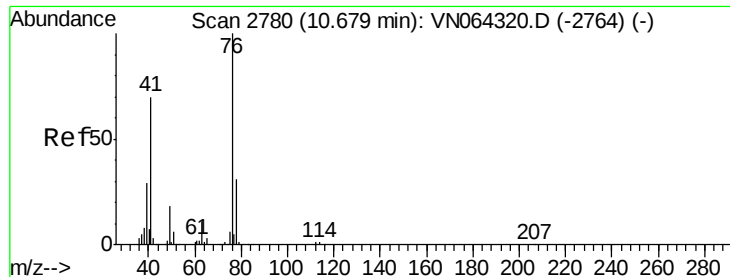
#54
 cis-1,3-Dichloropropene
 Concen: 6.181 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064377.D
 Acq: 29 Oct 2020 16:33

Tgt Ion: 75 Resp: 33833
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 36.1 45.5 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.095 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

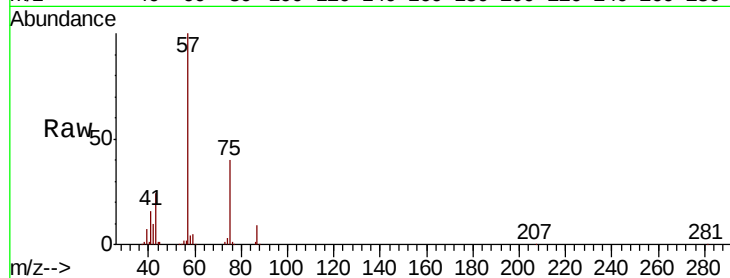
PB132688ZHE#08

Tot Ion: 76 Resp: 5638

Ion Ratio Lower Upper

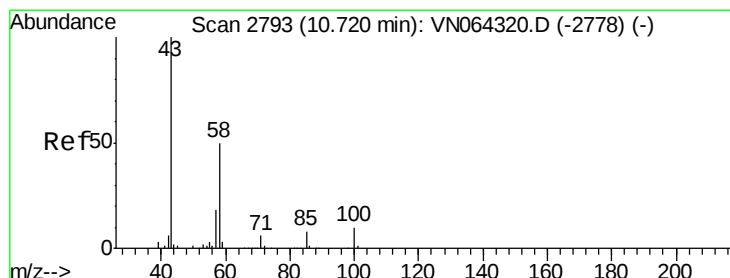
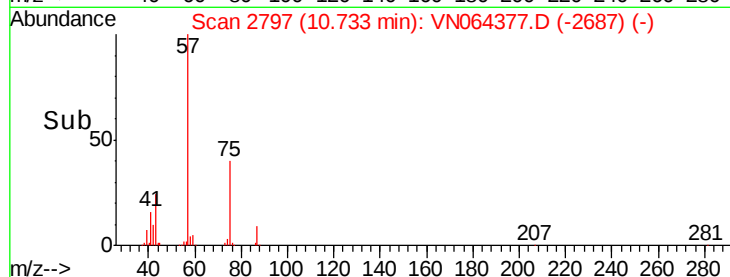
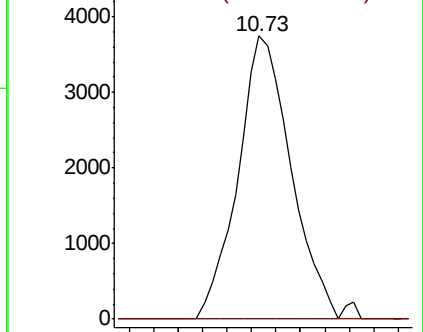
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 32.213 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064377.D

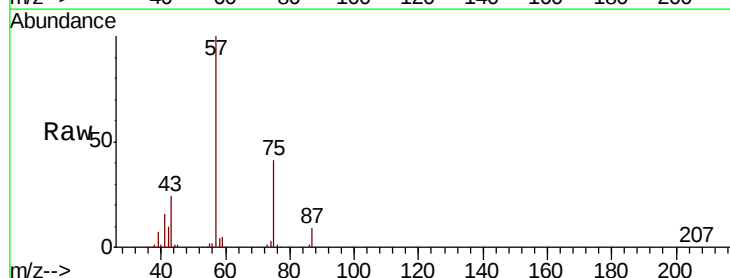
Acq: 29 Oct 2020 16:33

Tgt Ion: 43 Resp: 103629

Ion Ratio Lower Upper

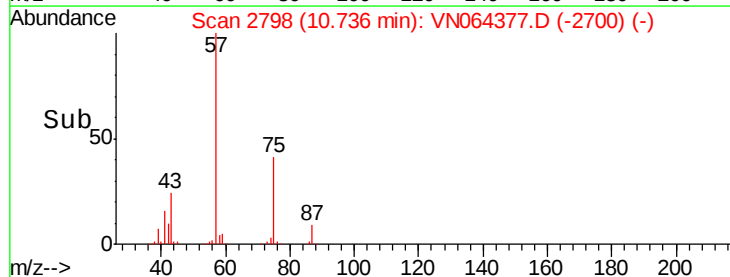
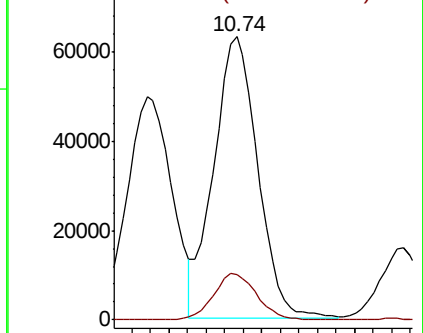
43 100

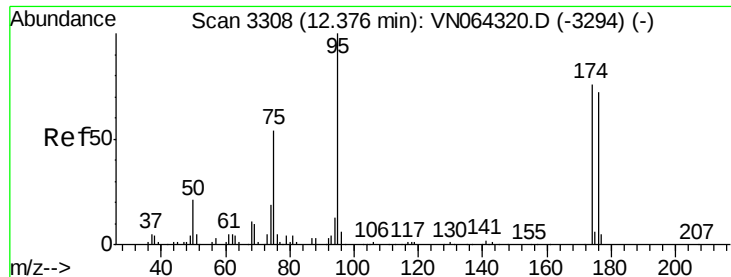
58 16.2 25.0 75.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

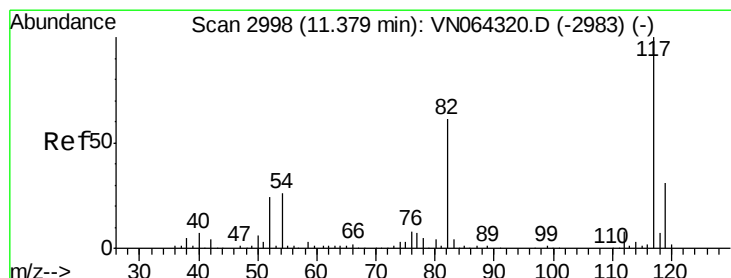
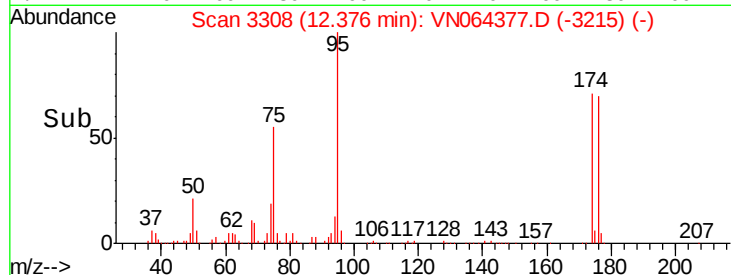
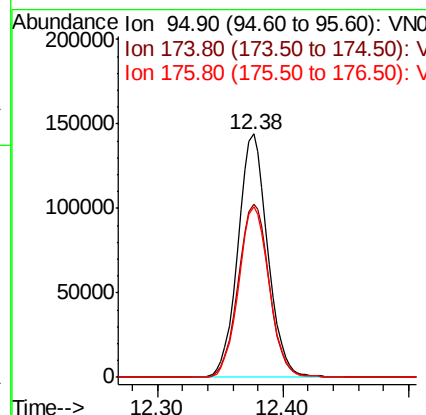
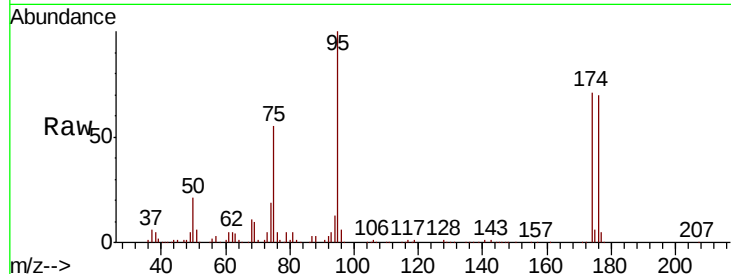




#62
4-Bromofluorobenzene
Concen: 57.104 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

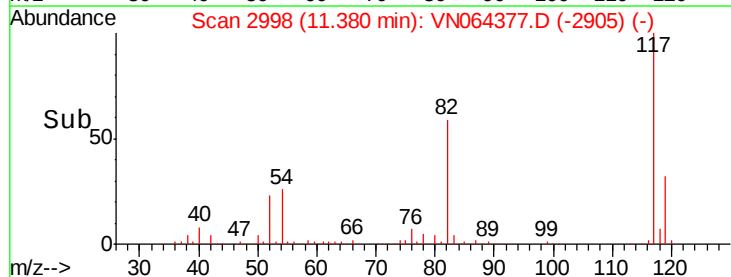
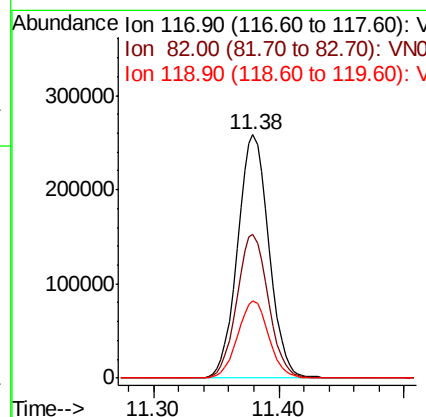
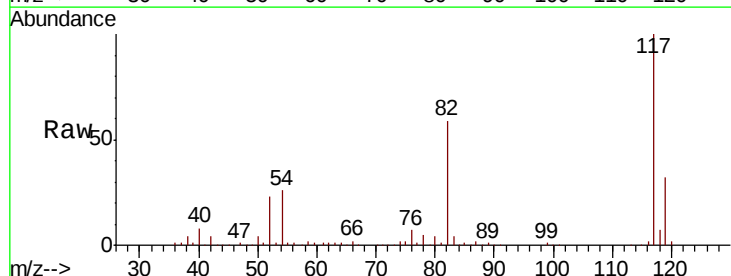
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#08

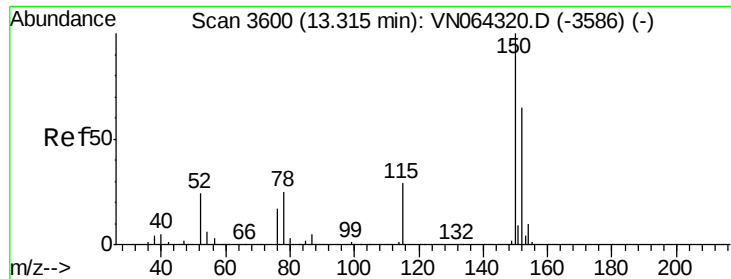
Tot Ion	95	Resp	236820
Ion Ratio	100		
Lower			
Upper			
174	74.6	0.0	147.4
176	72.2	0.0	143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

Tgt Ion	117	Resp	448505
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	58.9	48.8	73.2
119	31.7	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#08

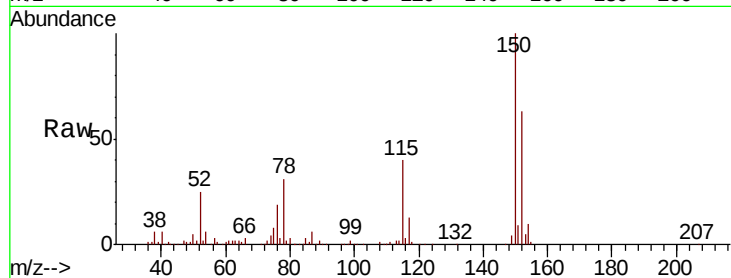
Tot Ion:152 Resp: 184609

Ion Ratio Lower Upper

152 100

115 64.8 31.5 94.5

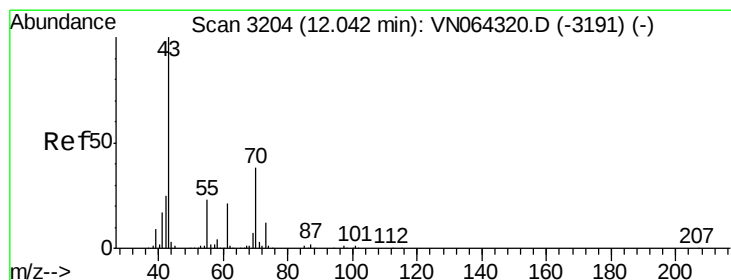
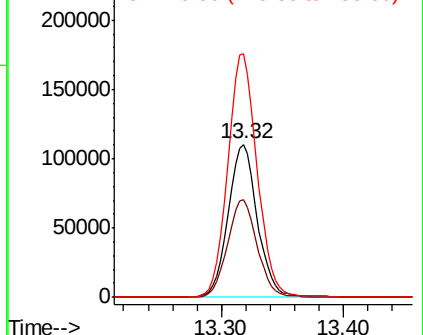
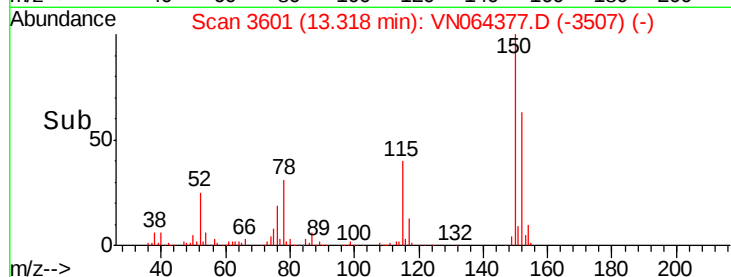
150 160.0 0.0 346.2



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: 0.531 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

Tgt Ion: 43 Resp: 3229

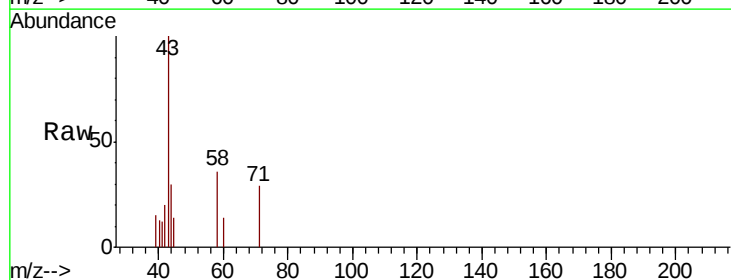
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 2.4 18.2 27.4#

61 0.0 17.6 26.4#

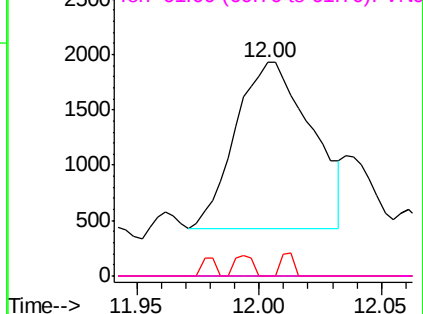
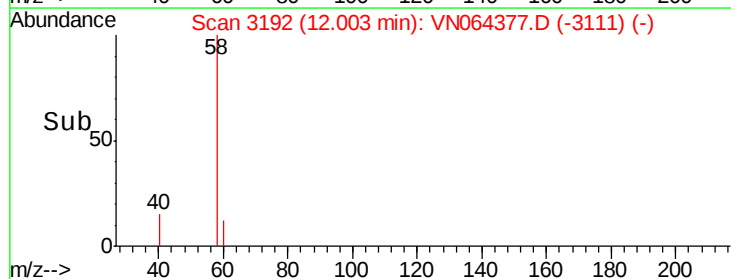


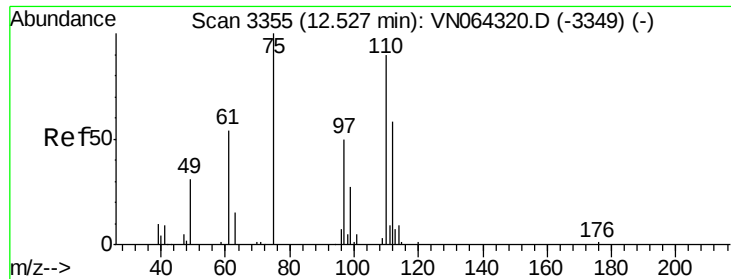
Abundance Ion 43.00 (42.70 to 43.70): V

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: 30.547 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064377.D

Acq: 29 Oct 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

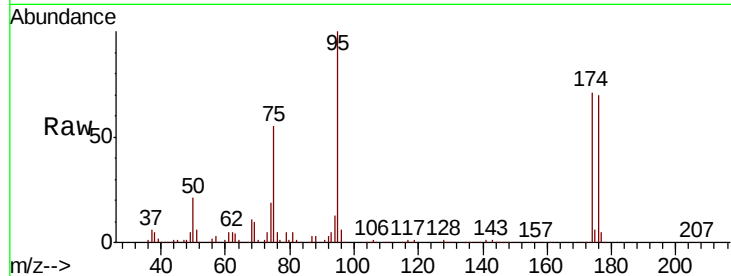
PB132688ZHE#08

Tot Ion: 75 Resp: 135046

Ion Ratio Lower Upper

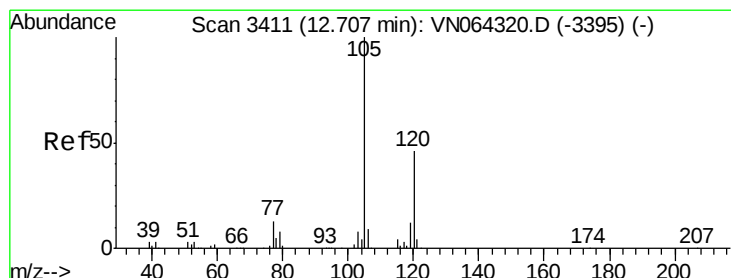
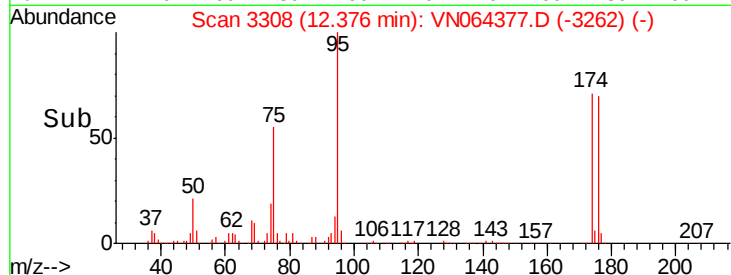
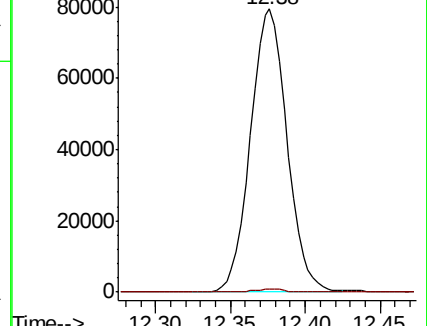
75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064377.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064377.D (-3262) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.355 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064377.D

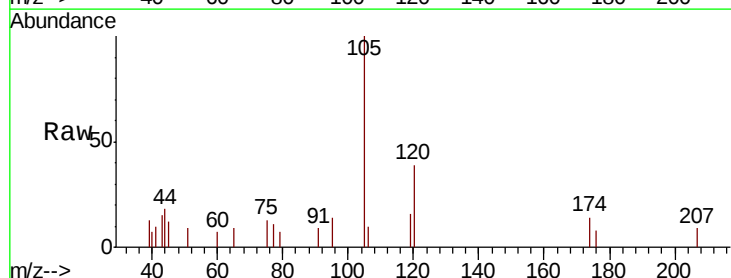
Acq: 29 Oct 2020 16:33

Tgt Ion: 105 Resp: 4151

Ion Ratio Lower Upper

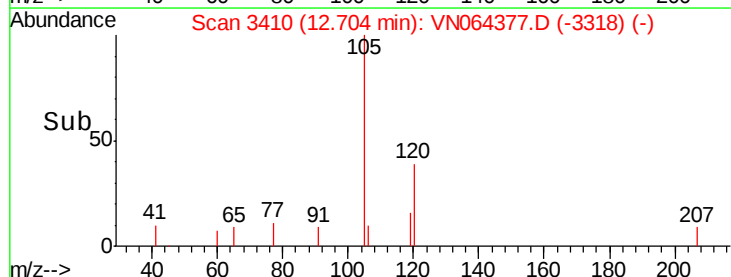
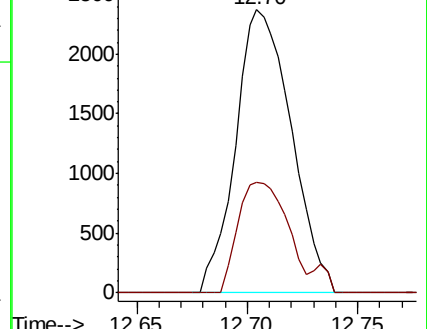
105 100

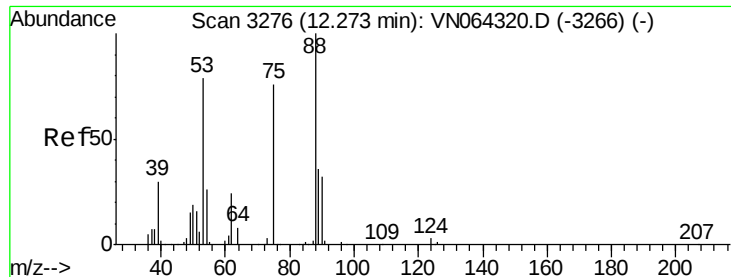
120 37.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064377.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064377.D (-3318) (-)

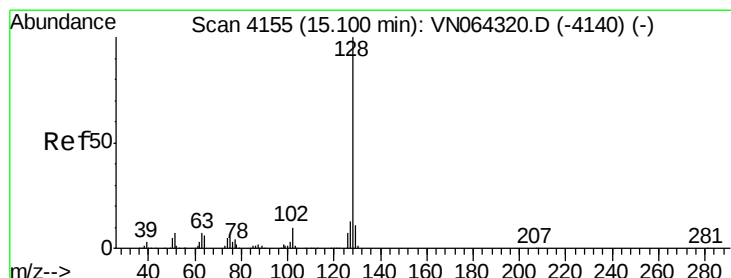
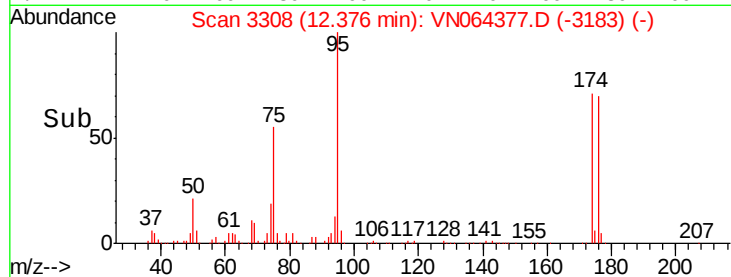
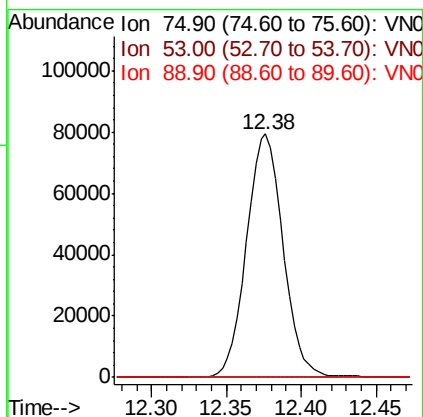
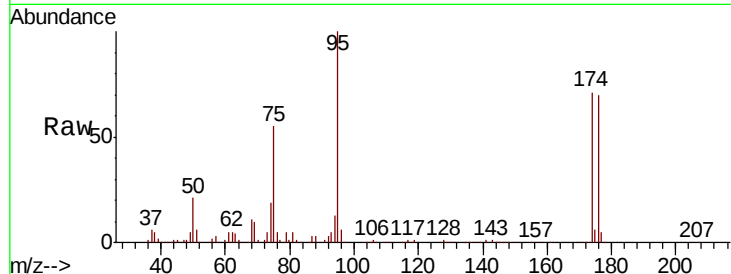




#81
trans-1,4-Dichloro-2-butene
Concen: 87.992 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#08

Tot Ion: 75 Resp: 135046
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 39.9 59.9#



#95
Naphthalene
Concen: 2.400 ug/l
RT: 15.12 min Scan# 4160
Delta R.T. 0.02 min
Lab File: VN064377.D
Acq: 29 Oct 2020 16:33

Tgt Ion: 128 Resp: 77
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

