

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064376.D
 Acq On : 29 Oct 2020 16:09
 Operator : JC/MD
 Sample : PB132688TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688TB

Quant Time: Oct 30 05:32:49 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	7.62	168	236382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	418492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	431561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183401	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	188955	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	7.55	113	138951	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	10.06	98	532004	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.38	95	234755	58.33	ug/l	0.00
Spiked Amount			Recovery	=	116.66%	

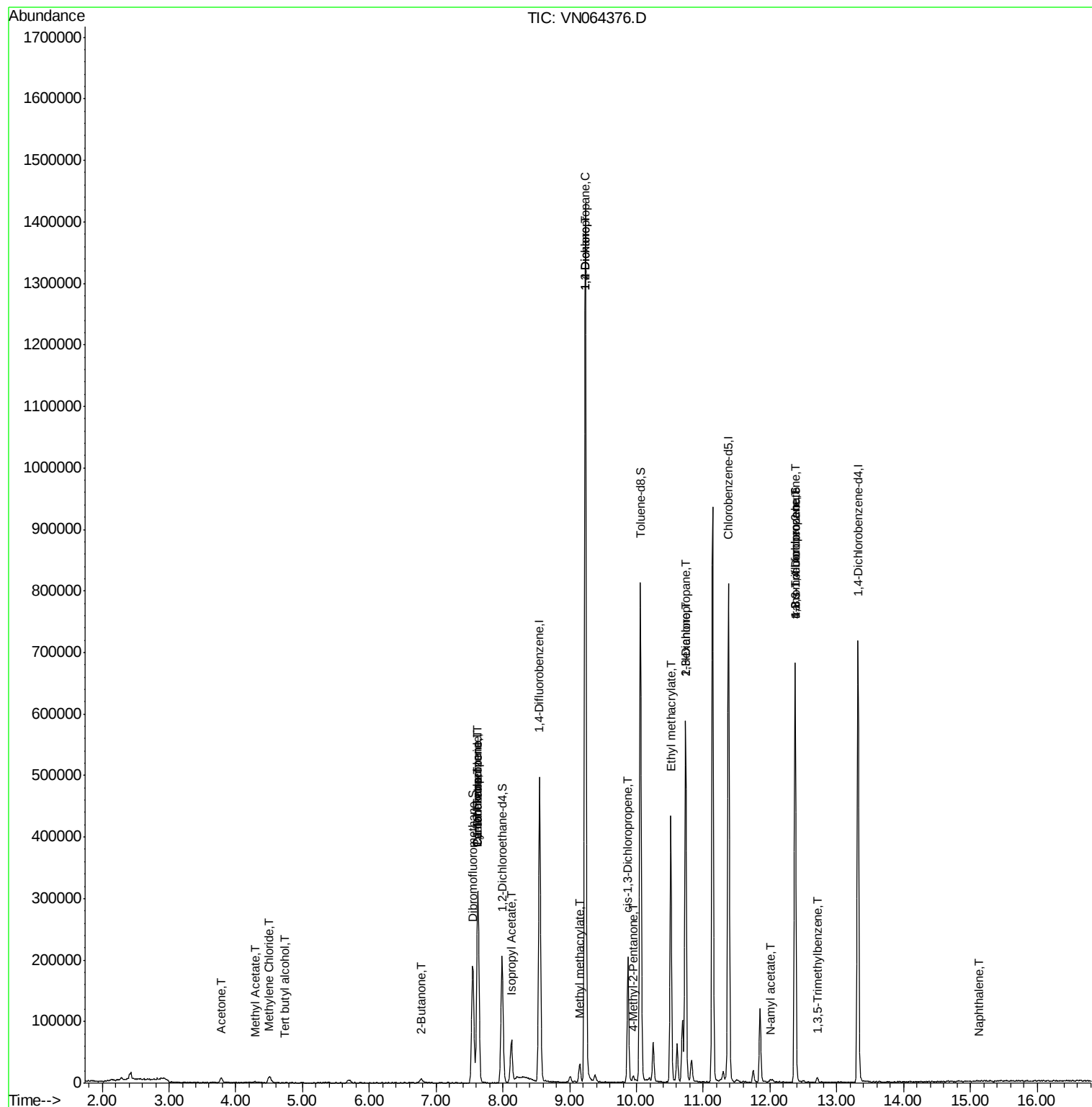
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	138	0.250	ug/l #	70
16) Acetone	3.79	43	13483	3.158	ug/l	94
18) Methyl Acetate	4.28	43	2864	1.004	ug/l #	69
20) Methylene Chloride	4.50	84	7628	2.832	ug/l	88
25) 2-Butanone	6.78	43	575	0.301	ug/l	93
31) Cyclohexane	7.62	56	5929	1.345	ug/l #	18
36) 1,1-Dichloropropene	7.63	75	20600	4.877	ug/l #	53
38) Carbon Tetrachloride	7.63	117	25333	5.174	ug/l #	18
43) Isopropyl Acetate	8.13	43	88496	12.135	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	1712	0.544	ug/l #	44
48) Methyl methacrylate	9.15	41	4409	1.172	ug/l #	15
49) 1,4-Dioxane	9.23	88	33	0.595	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	6856	1.617	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	34161	6.430	ug/l #	65
56) Ethyl methacrylate	10.51	69	1224	0.276	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5762	1.153	ug/l #	42
59) 2-Hexanone	10.74	43	99619	31.907	ug/l #	51
74) N-amyl acetate	12.00	43	2366	0.391	ug/l #	50
76) 1,2,3-Trichloropropane	12.37	75	128962	29.363	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4034	0.347	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.37	75	128962	84.581	ug/l #	8
95) Naphthalene	15.13	128	176	2.409	ug/l #	69

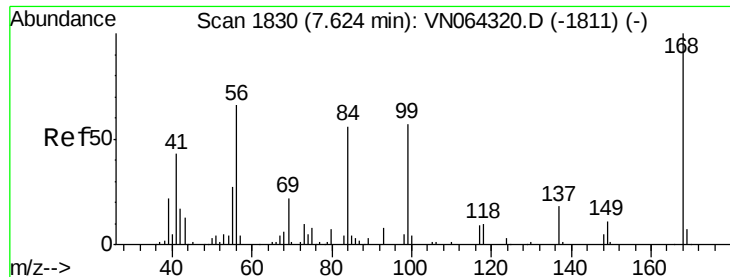
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102920\
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Acq On : 29 Oct 2020 16:09
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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: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

Instrument :

MSVOA_N

ClientSampled :

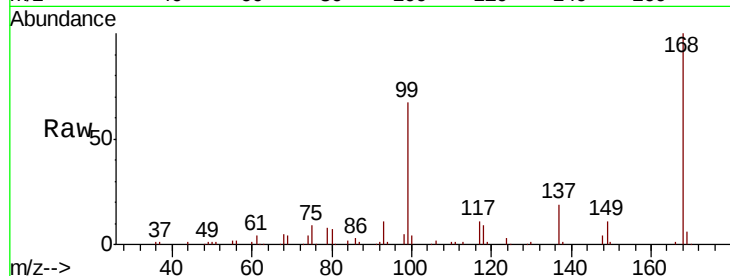
PB132688TB

Tot Ion:168 Resp: 236382

Ion Ratio Lower Upper

168 100

99 66.6 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

60000

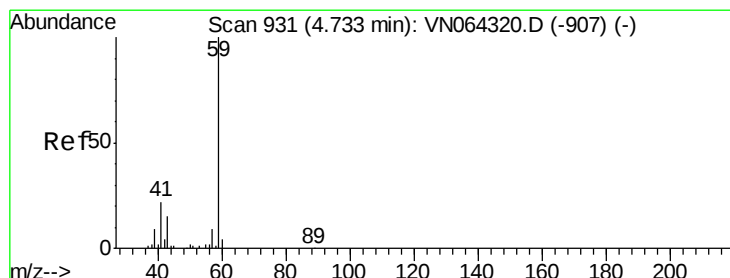
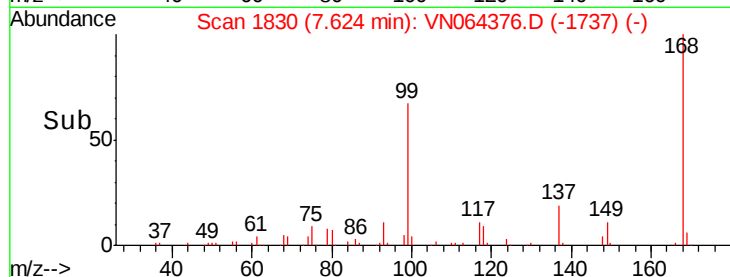
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.250 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.01 min

Lab File: VN064376.D

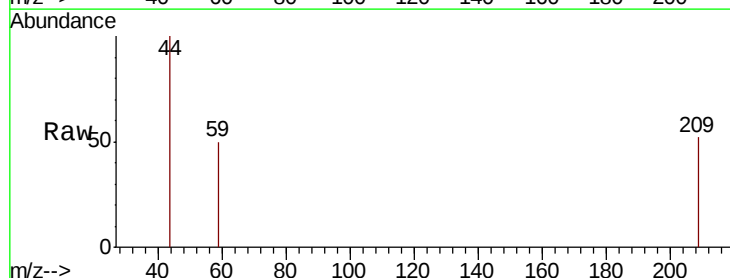
Acq: 29 Oct 2020 16:09

Tgt Ion: 59 Resp: 138

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

300

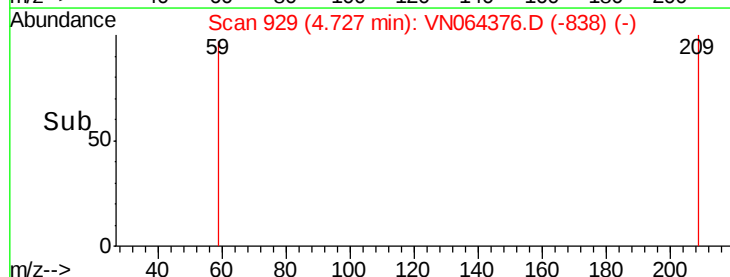
200

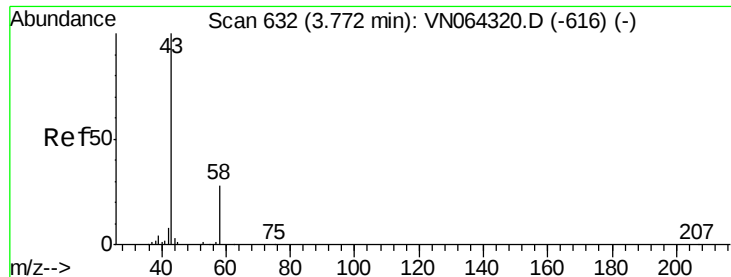
100

0

Time-->

4.71 4.72 4.73 4.74





#16

Acetone

Concen: 3.158 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

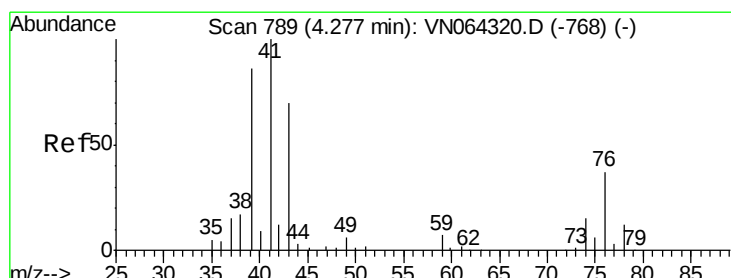
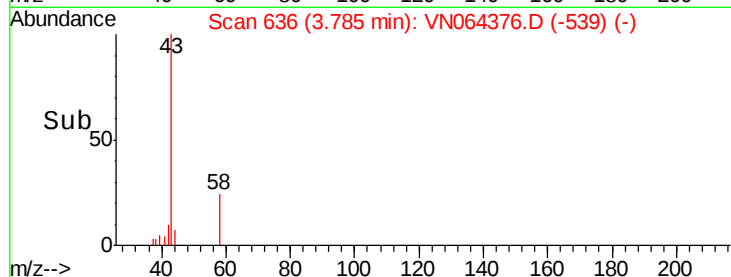
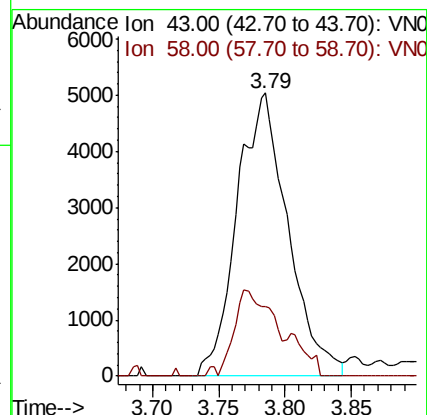
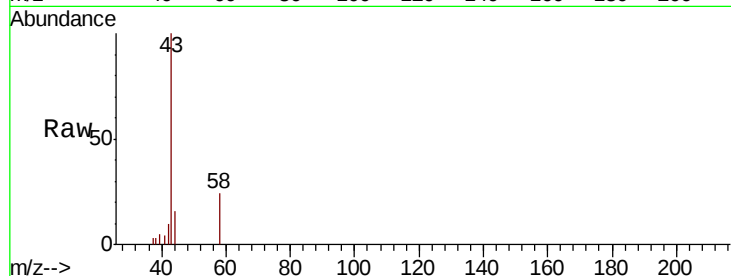
PB132688TB

Tot Ion: 43 Resp: 13483

Ion Ratio Lower Upper

43 100

58 24.5 22.1 33.1



#18

Methyl Acetate

Concen: 1.004 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064376.D

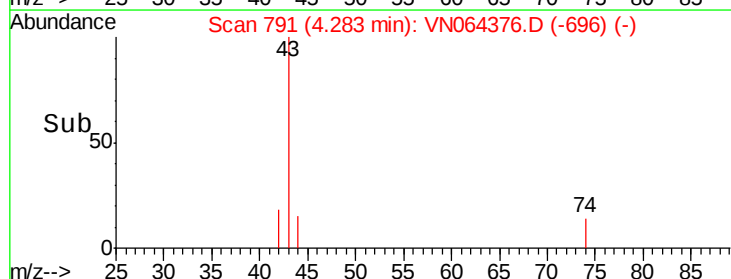
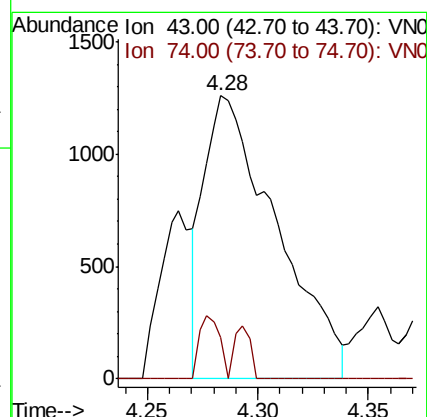
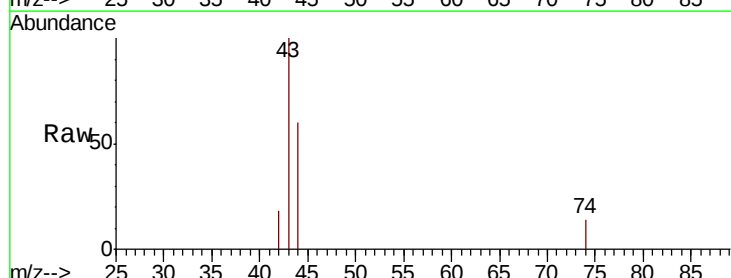
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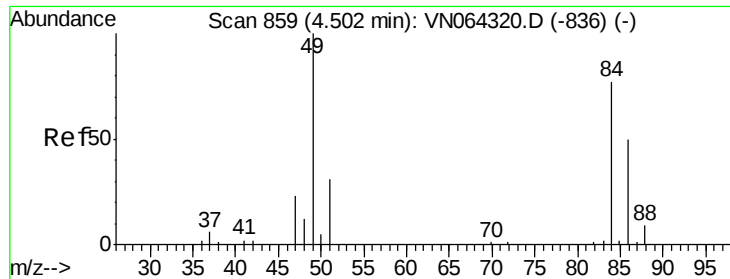
Tgt Ion: 43 Resp: 2864

Ion Ratio Lower Upper

43 100

74 6.3 16.7 25.1#

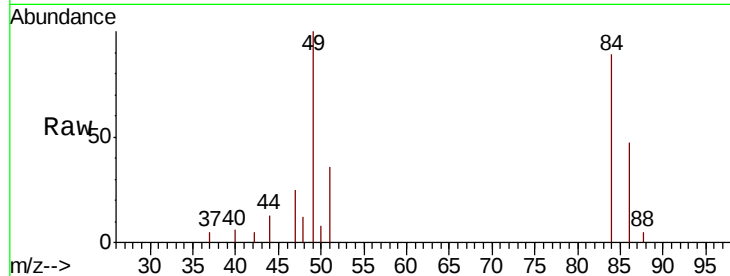




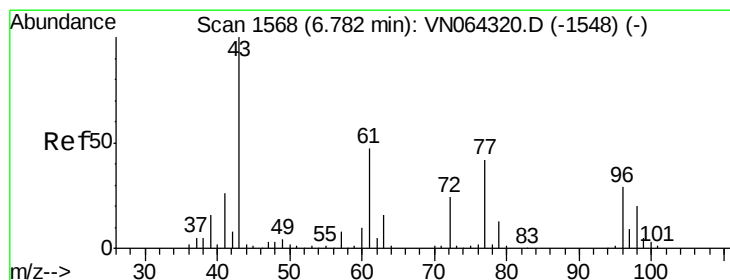
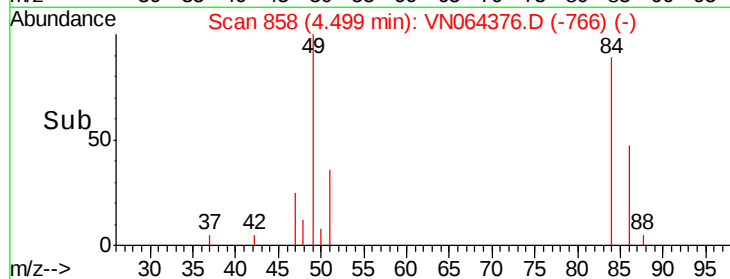
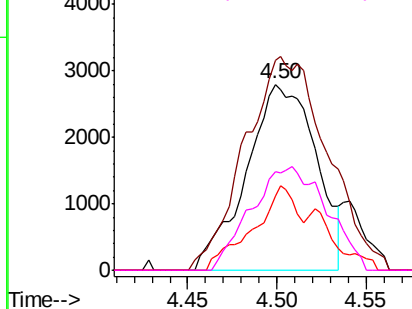
#20
Methvlene Chloride
Concen: 2.832 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064376.D
Acq: 29 Oct 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB132688TB

Tot Ion:	84	Resp:	7628
Ion	Ratio	Lower	Upper
84	100		
49	112.7	103.6	155.4
51	40.3	31.8	47.8
86	53.1	51.3	76.9

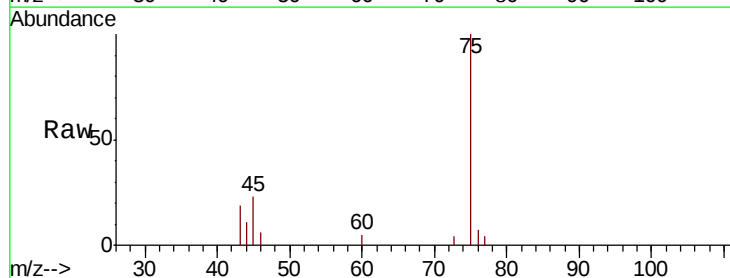


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

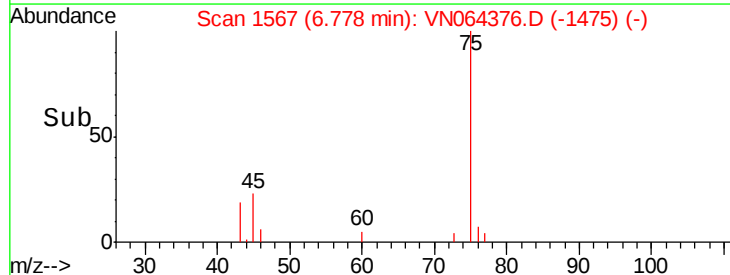
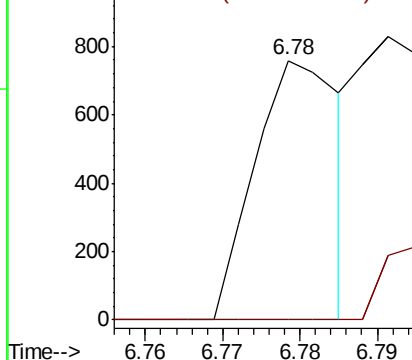


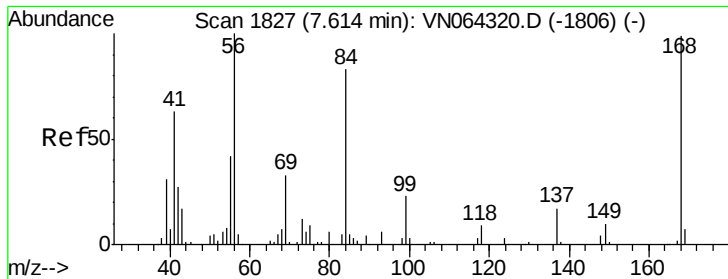
#25
2-Butanone
Concen: 0.301 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN064376.D
Acq: 29 Oct 2020 16:09

Tgt Ion:	43	Resp:	575
Ion	Ratio	Lower	Upper
43	100		
72	20.2	18.8	28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

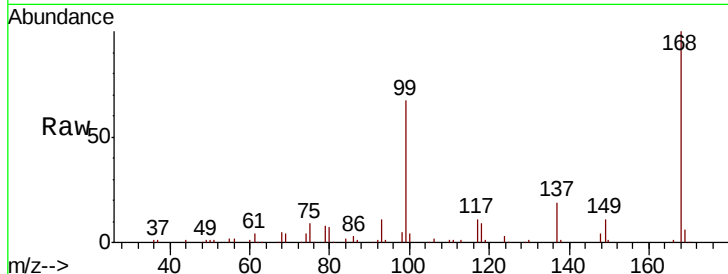




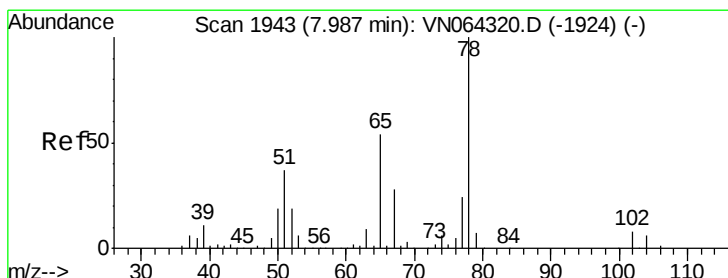
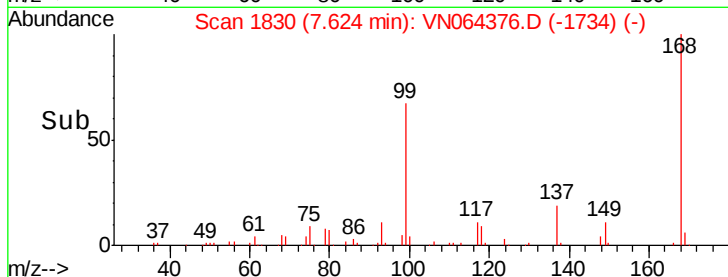
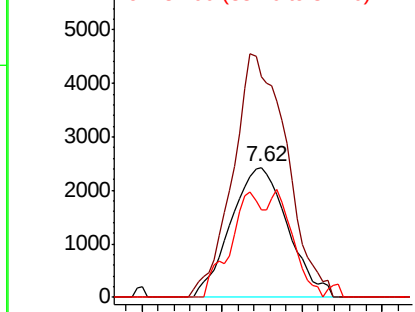
#31
Cyclohexane
Concen: 1.345 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064376.D
Acq: 29 Oct 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB132688TB

Tot Ion: 56 Resp: 5929
Ion Ratio Lower Upper
56 100
69 169.7 25.8 38.8#
84 67.0 66.3 99.5

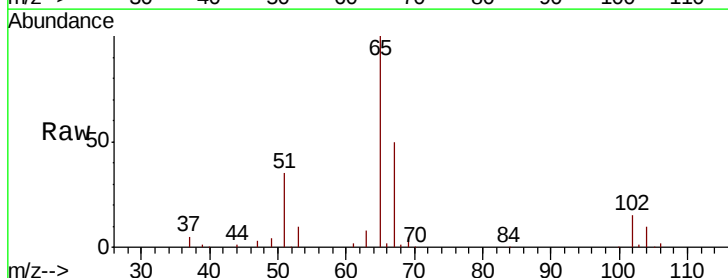


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

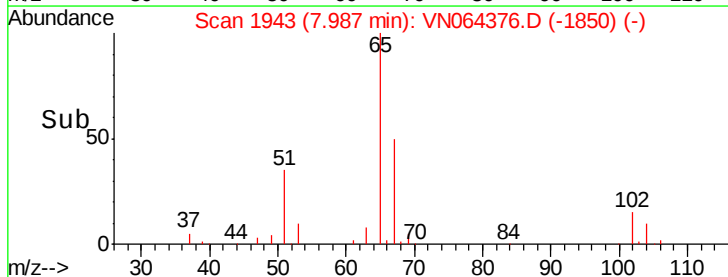
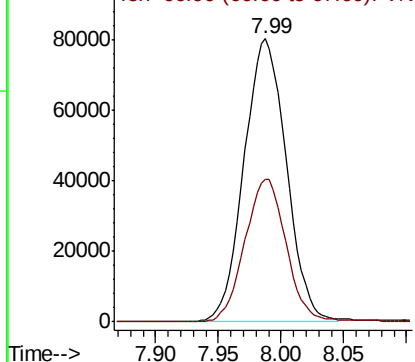


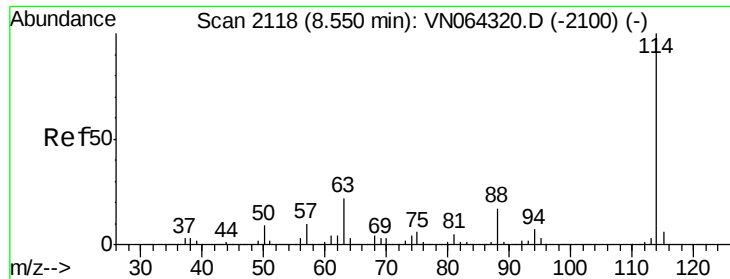
#33
1,2-Dichloroethane-d4
Concen: 49.743 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064376.D
Acq: 29 Oct 2020 16:09

Tgt Ion: 65 Resp: 188955
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

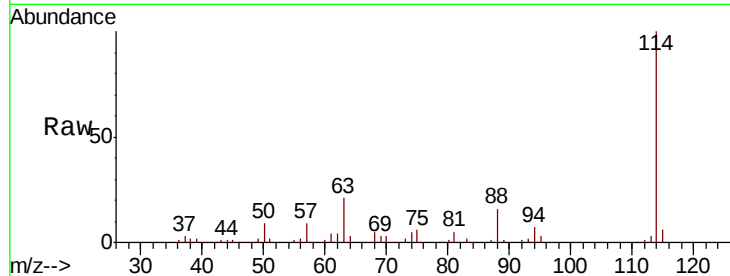




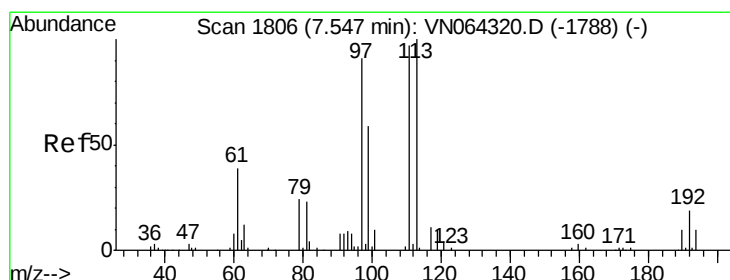
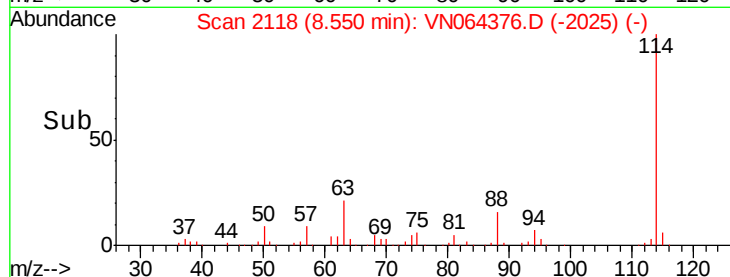
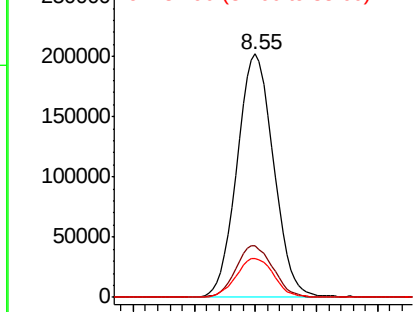
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064376.D
Acq: 29 Oct 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion:114 Resp: 418492
Ion Ratio Lower Upper
114 100
63 20.9 0.0 44.6
88 16.0 0.0 33.4

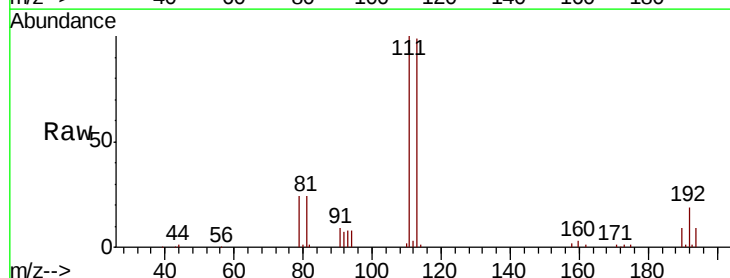


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

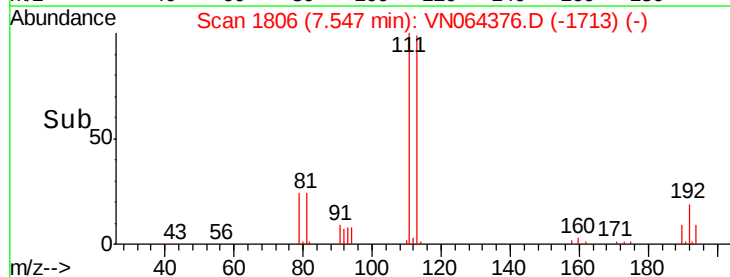
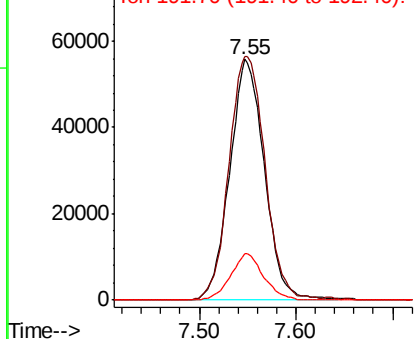


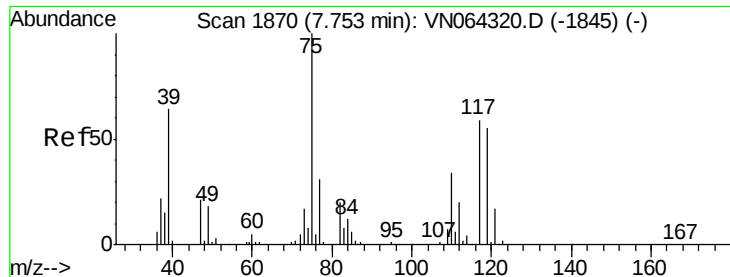
#35
Dibromofluoromethane
Concen: 49.789 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN064376.D
Acq: 29 Oct 2020 16:09

Tgt Ion:113 Resp: 138951
Ion Ratio Lower Upper
113 100
111 104.9 81.5 122.3
192 18.3 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

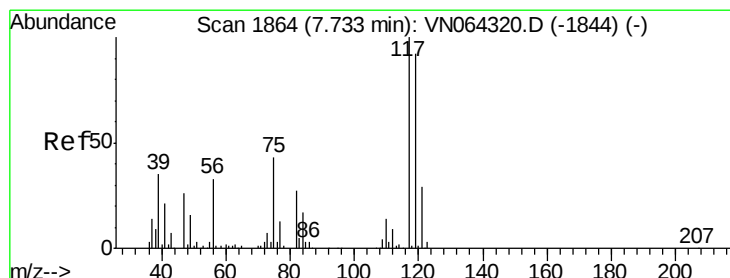
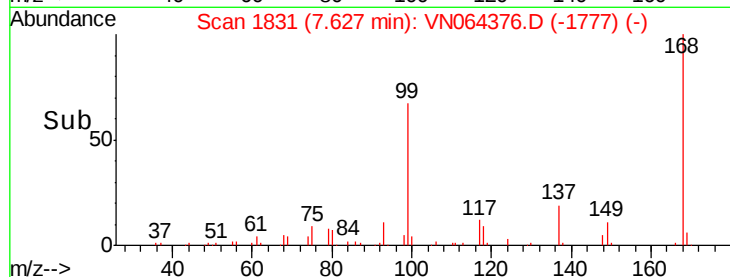
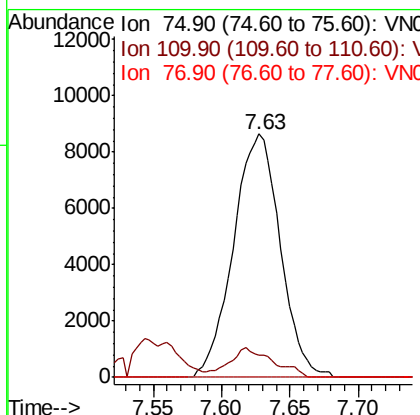
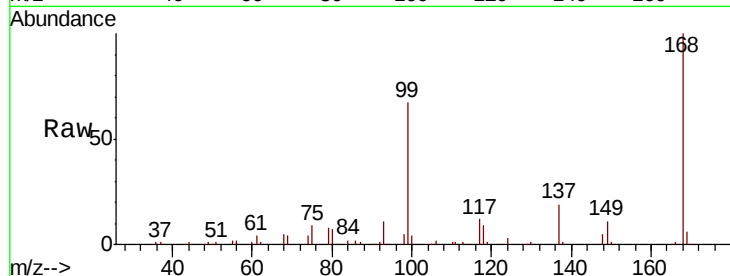




#36
 1,1-Dichloropropene
 Concen: 4.877 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064376.D
 Acq: 29 Oct 2020 16:09

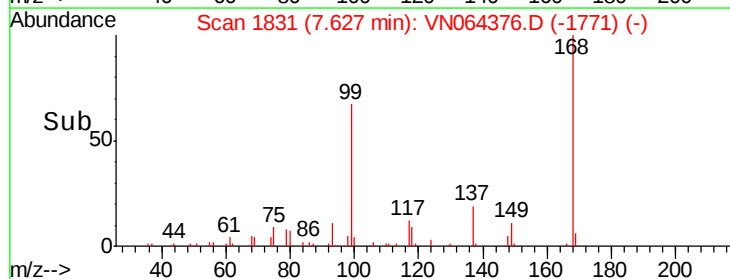
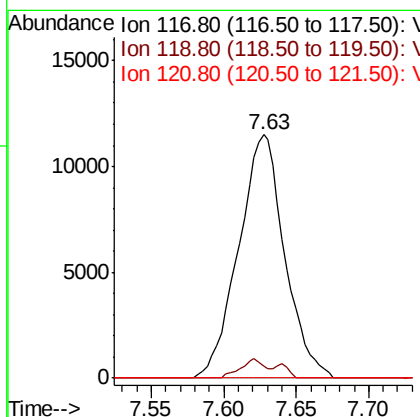
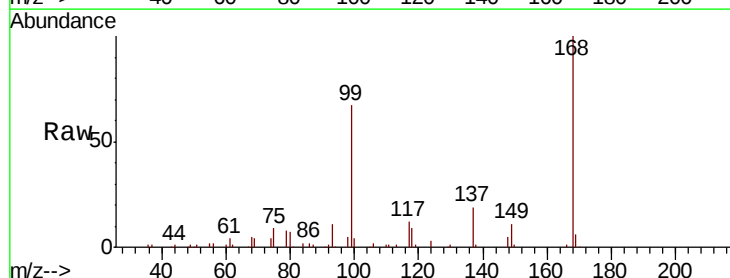
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688TB

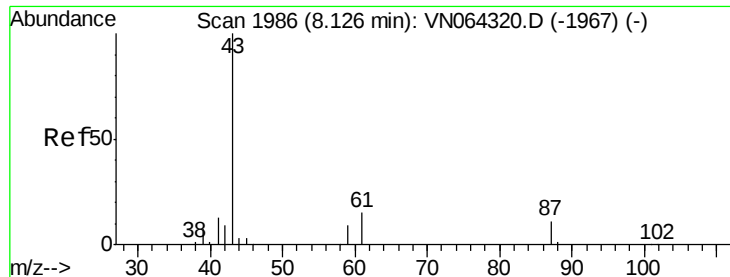
Tot Ion: 75 Resp: 20600
 Ion Ratio Lower Upper
 75 100
 110 11.4 16.8 50.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 5.174 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064376.D
 Acq: 29 Oct 2020 16:09

Tgt Ion: 117 Resp: 25333
 Ion Ratio Lower Upper
 117 100
 119 5.0 73.7 110.5#
 121 0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 12.135 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB132688TB

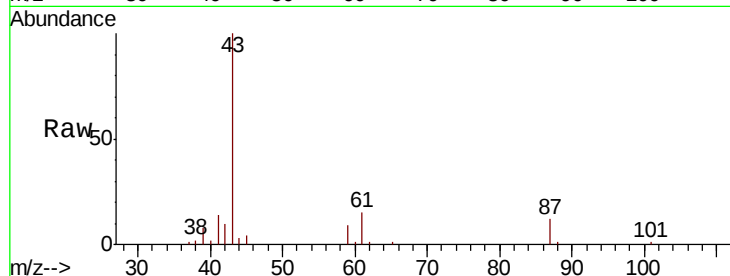
Tot Ion: 43 Resp: 88496

Ion Ratio Lower Upper

43 100

61 15.7 19.1 28.7#

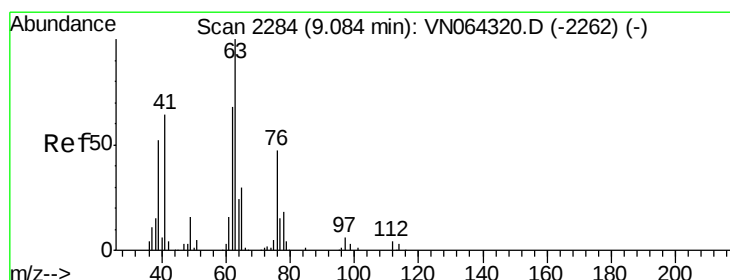
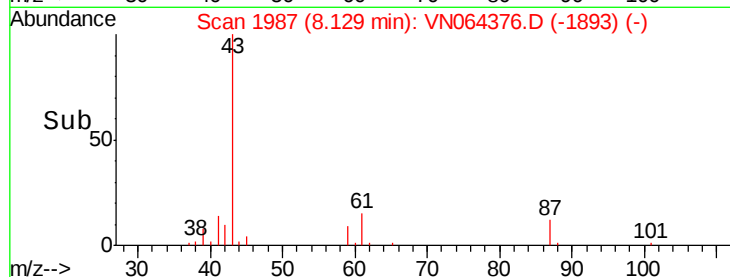
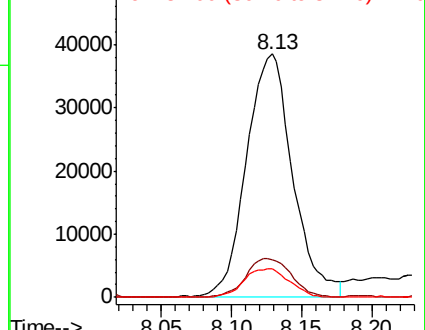
87 11.6 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN064376.D (-1986) (-)

Ion 61.00 (60.70 to 61.70): VN064376.D (-1986) (-)

Ion 87.00 (86.70 to 87.70): VN064376.D (-1986) (-)



#45

1,2-Dichloropropane

Concen: 0.544 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN064376.D

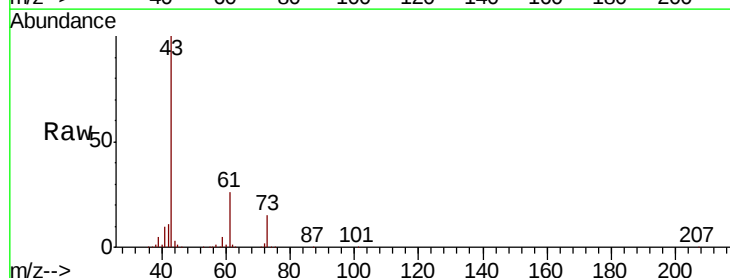
Acq: 29 Oct 2020 16:09

Tgt Ion: 63 Resp: 1712

Ion Ratio Lower Upper

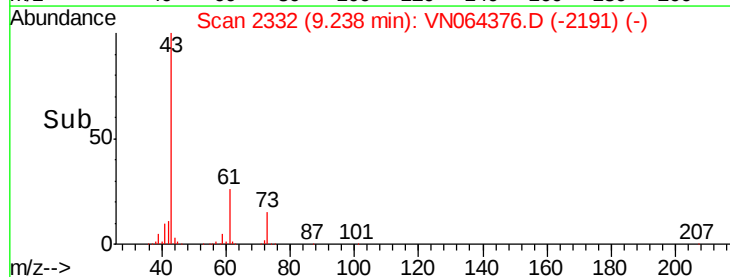
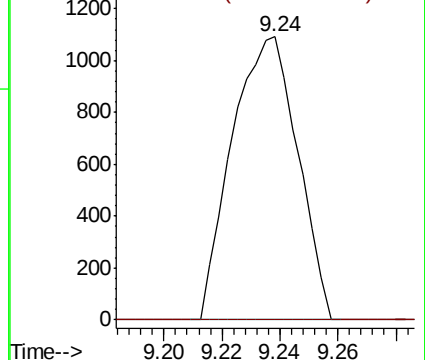
63 100

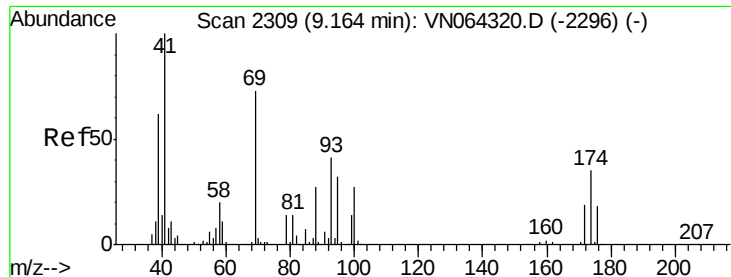
65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN064376.D (-2332) (-)

Ion 64.90 (64.60 to 65.60): VN064376.D (-2332) (-)

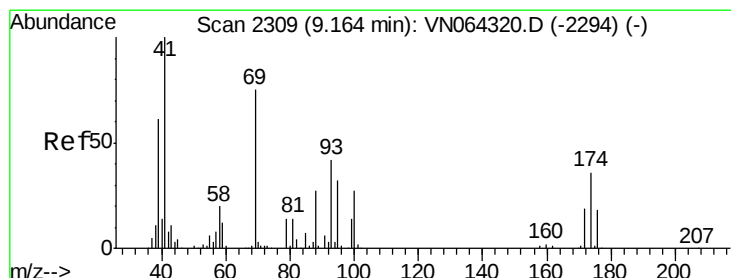
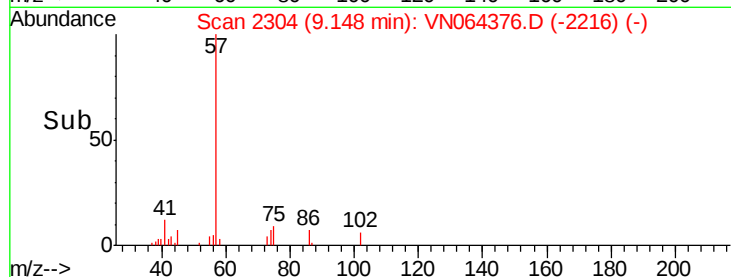
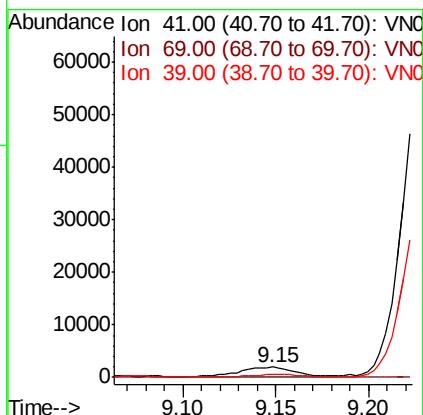
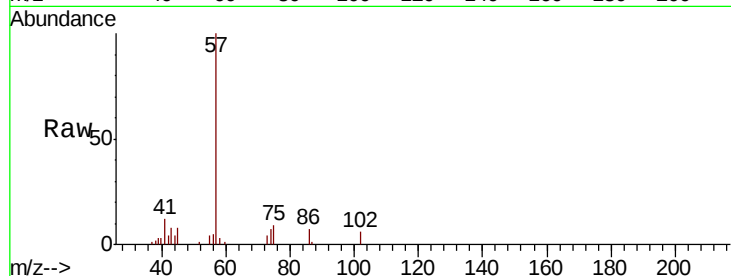




#48
Methvl methacrylate
Concen: 1.172 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN064376.D
Acq: 29 Oct 2020 16:09

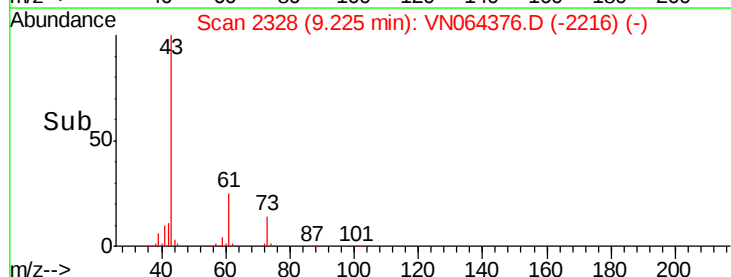
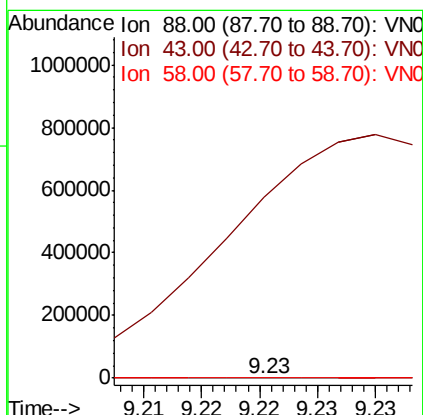
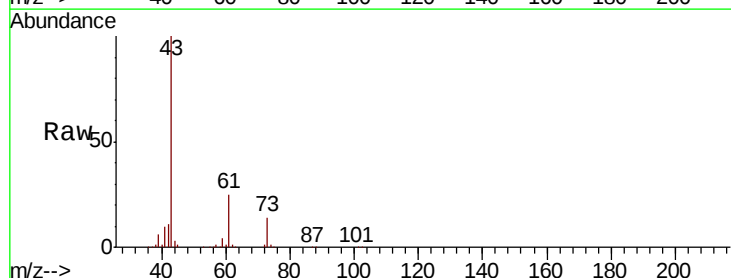
Instrument :
MSVOA_N
ClientSampleId :
PB132688TB

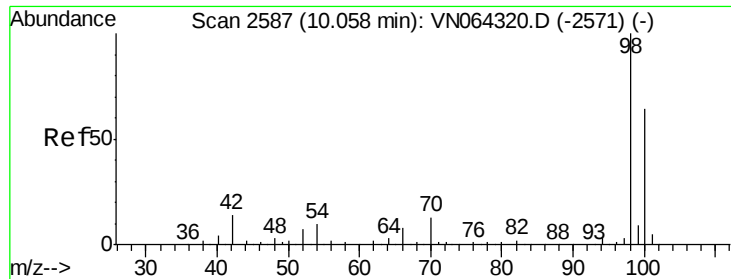
Tot Ion: 41 Resp: 4409
Ion Ratio Lower Upper
41 100
69 0.0 59.1 88.7#
39 0.0 51.3 76.9#



#49
1,4-Dioxane
Concen: 0.595 ug/l
RT: 9.23 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN064376.D
Acq: 29 Oct 2020 16:09

Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 4311021.2 31.8 47.8#
58 16145.5 60.3 90.5#





#50

Toluene-d8

Concen: 51.536 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

Instrument :

MSVOA_N

ClientSampled :

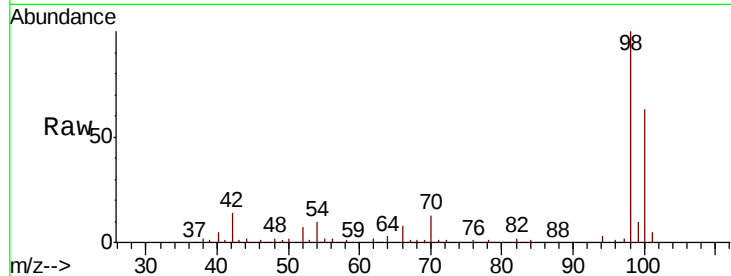
PB132688TB

Tot Ion: 98 Resp: 532004

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN064320.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064320.D (-2571) (-)

10.06

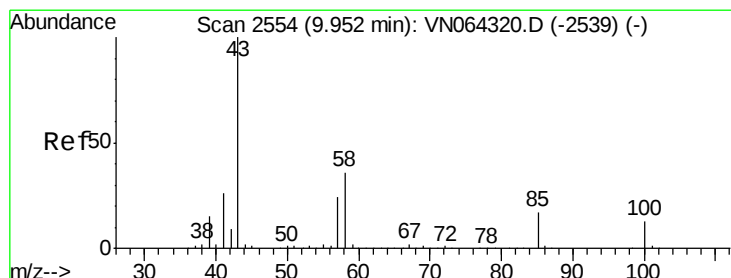
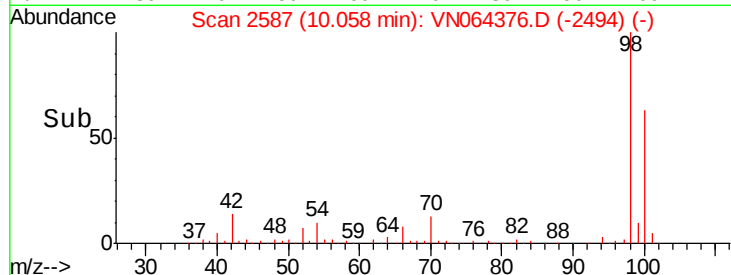
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.617 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064376.D

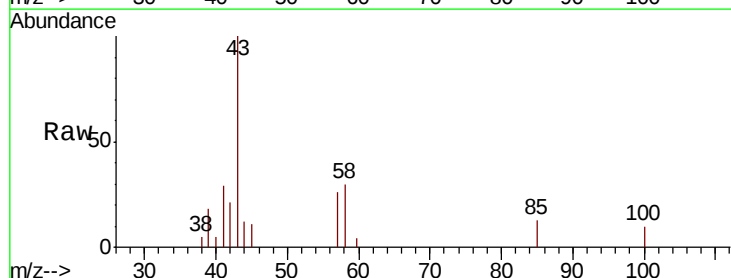
Acq: 29 Oct 2020 16:09

Tgt Ion: 43 Resp: 6856

Ion Ratio Lower Upper

43 100

58 33.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2539) (-)

9.95

6000

5000

4000

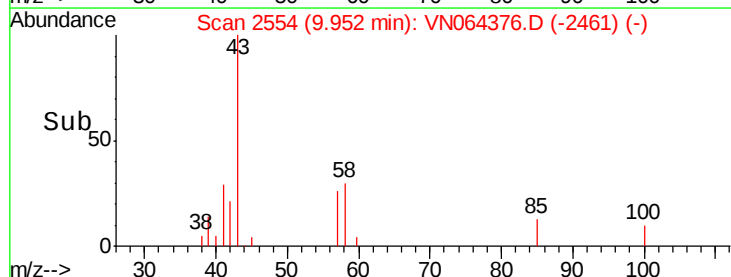
3000

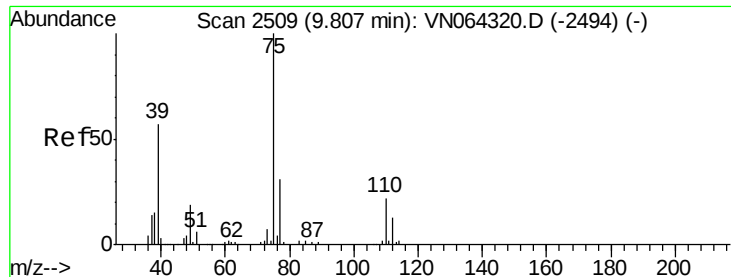
2000

1000

0

Time-->



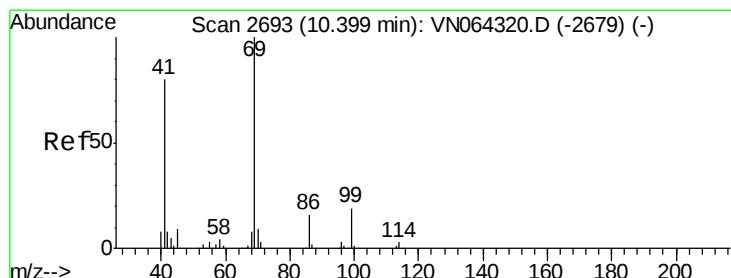
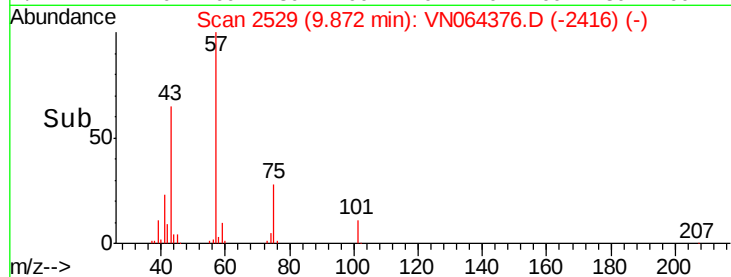
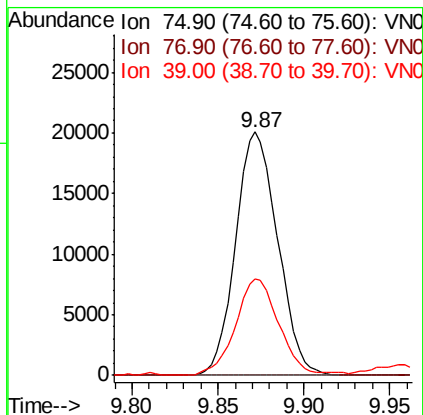
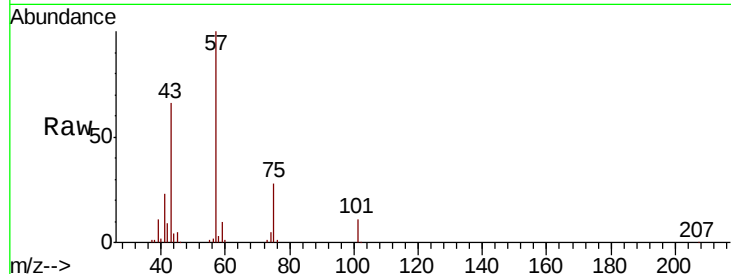


#54

cis-1,3-Dichloropropene
 Concen: 6.430 ug/l
 RT: 9.87 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN064376.D
 Acq: 29 Oct 2020 16:09

Instrument :
 MSVOA_N
 ClientSampled :
 PB132688TB

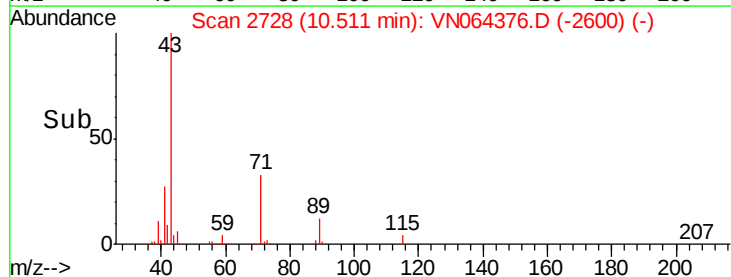
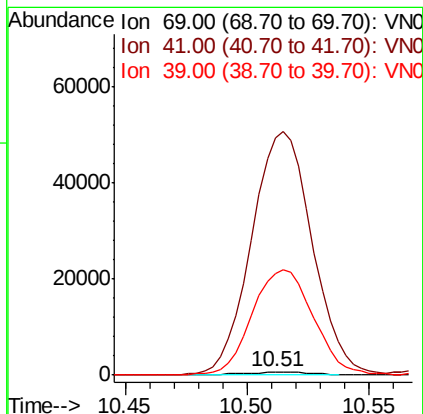
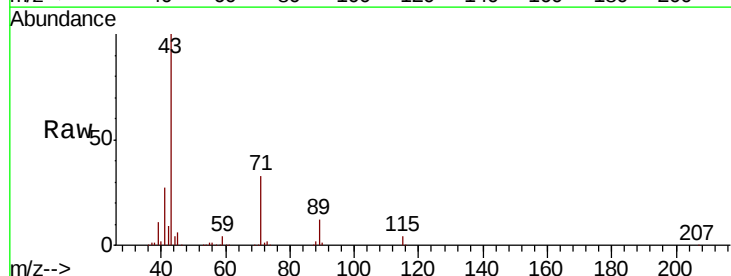
Tot Ion: 75 Resp: 34161
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 39.5 45.5 68.3#

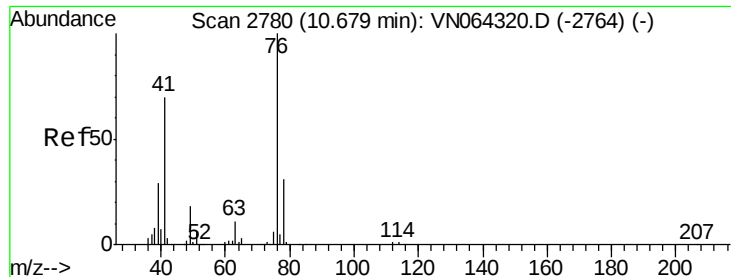


#56

Ethyl methacrylate
 Concen: 0.276 ug/l
 RT: 10.51 min Scan# 2728
 Delta R.T. 0.11 min
 Lab File: VN064376.D
 Acq: 29 Oct 2020 16:09

Tgt Ion: 69 Resp: 1224
 Ion Ratio Lower Upper
 69 100
 41 7186.2 61.4 92.2#
 39 3120.6 36.5 54.7#

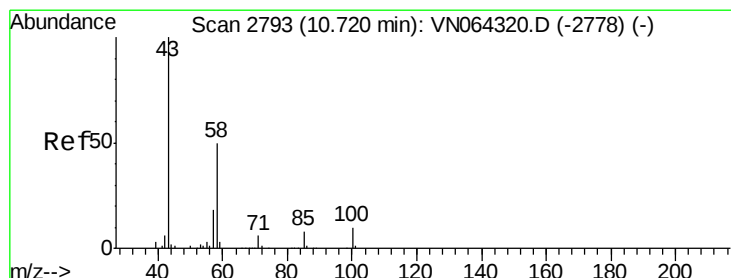
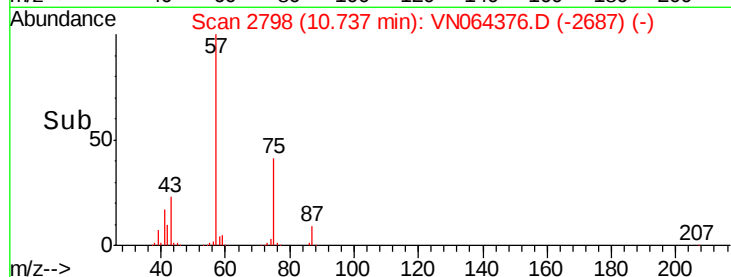
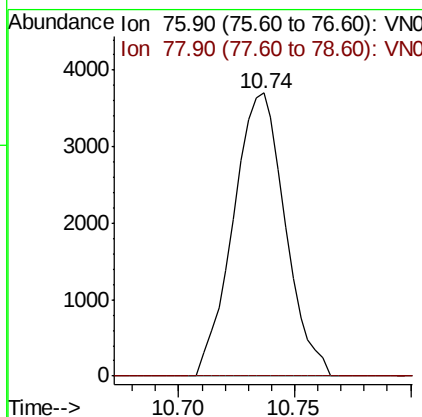
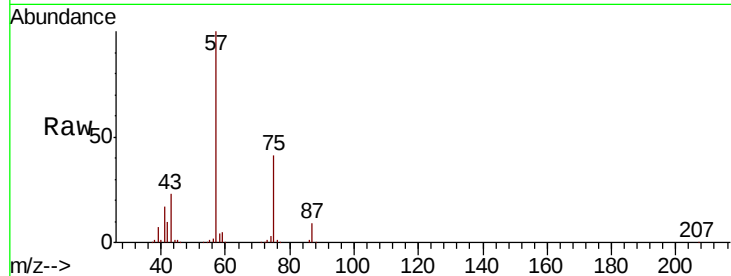




#57
 1,3-Dichloropropane
 Concen: 1.153 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN064376.D
 Acq: 29 Oct 2020 16:09

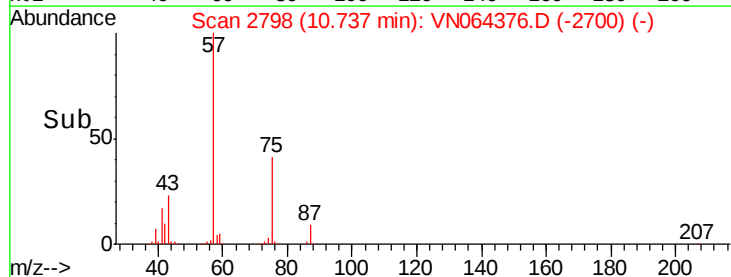
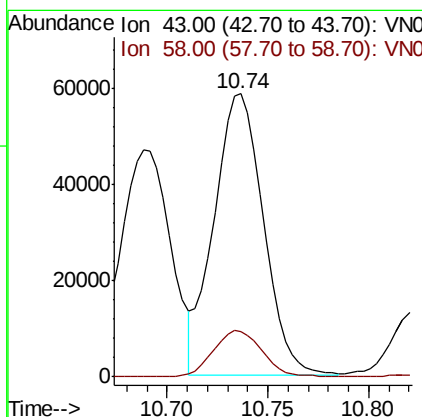
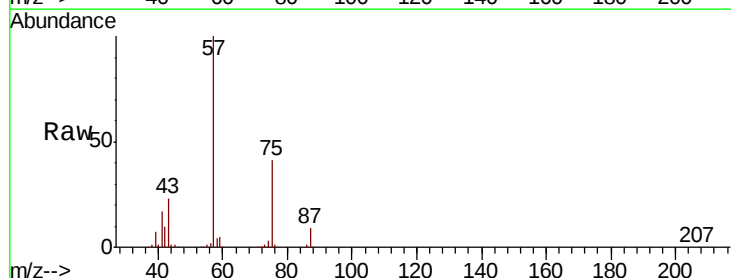
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688TB

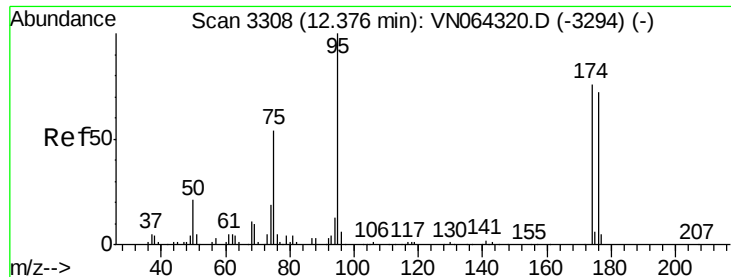
Tot Ion: 76 Resp: 5762
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 31.907 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN064376.D
 Acq: 29 Oct 2020 16:09

Tgt Ion: 43 Resp: 99619
 Ion Ratio Lower Upper
 43 100
 58 16.2 25.0 75.0#





#62

4-Bromofluorobenzene

Concen: 58.327 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

Instrument :

MSVOA_N

ClientSampled :

PB132688TB

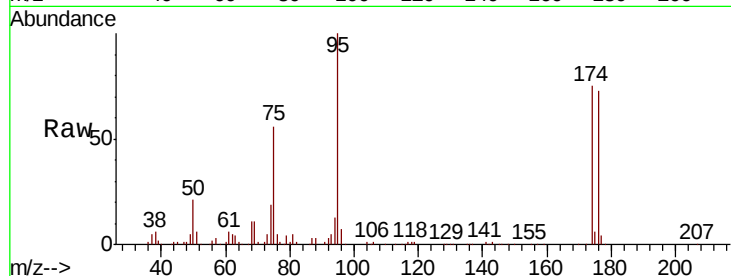
Tot Ion: 95 Resp: 234755

Ion Ratio Lower Upper

95 100

174 74.0 0.0 147.4

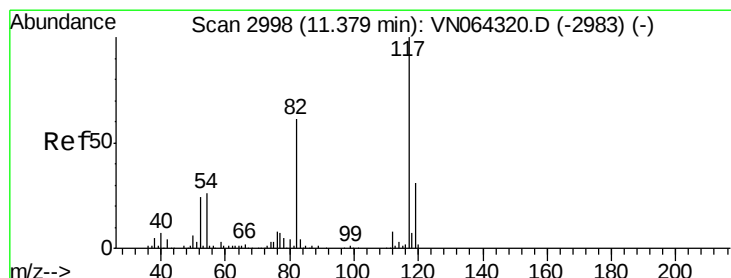
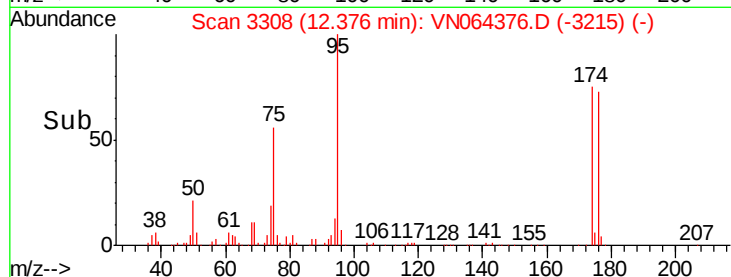
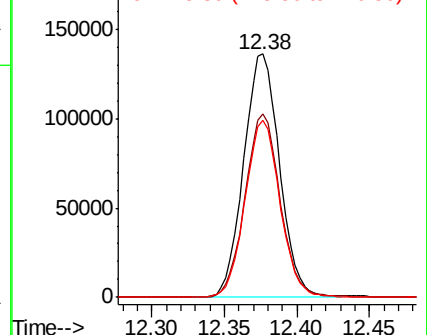
176 71.0 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VN064376.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN064376.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN064376.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

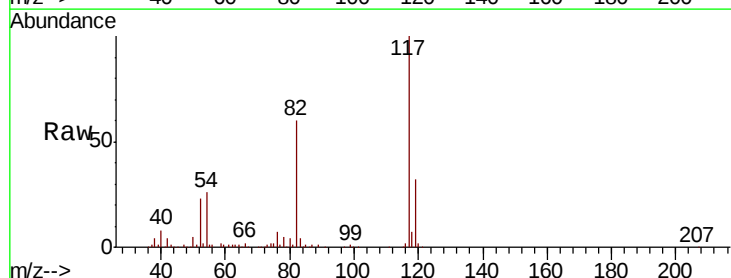
Tgt Ion: 117 Resp: 431561

Ion Ratio Lower Upper

117 100

82 60.4 48.8 73.2

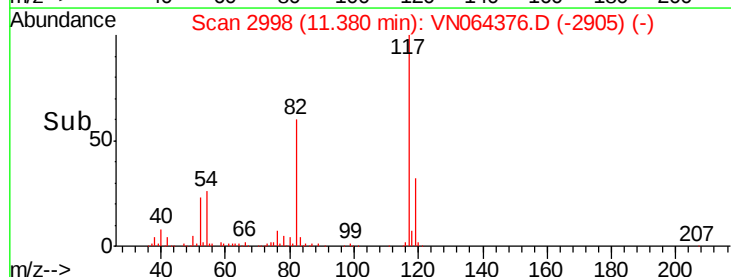
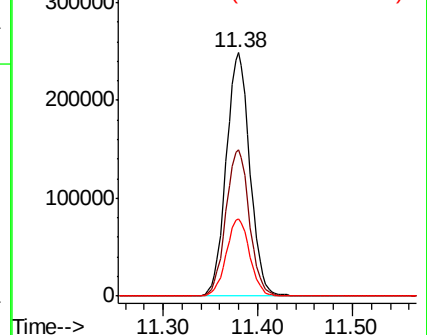
119 31.7 25.1 37.7

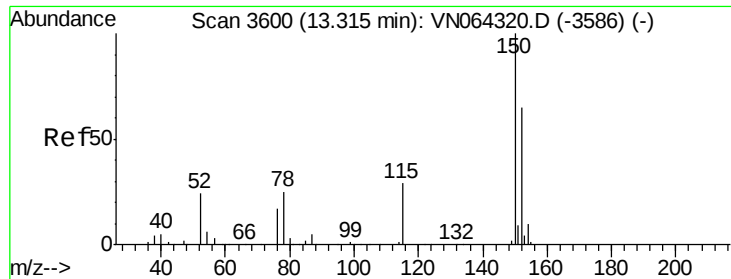


Abundance Ion 116.90 (116.60 to 117.60): VN064376.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN064376.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN064376.D (-2905) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB132688TB

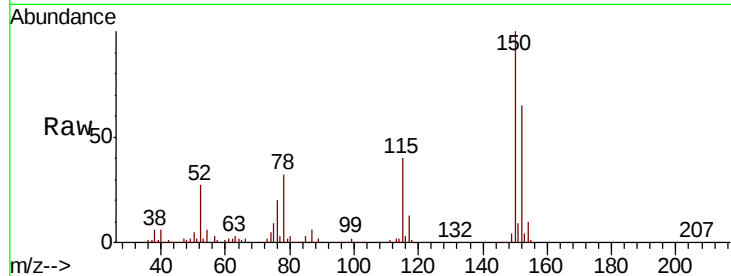
Tot Ion:152 Resp: 183401

Ion Ratio Lower Upper

152 100

115 62.1 31.5 94.5

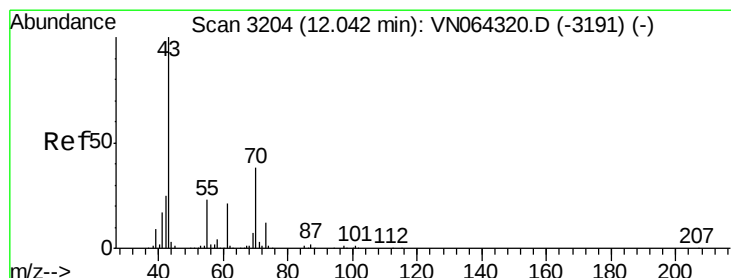
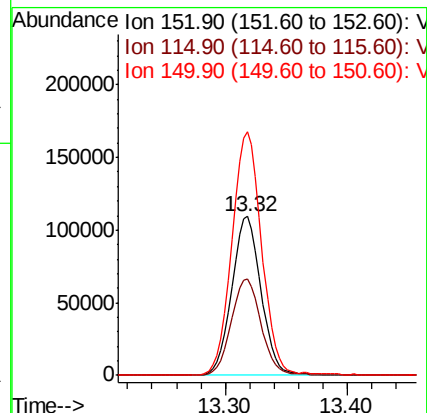
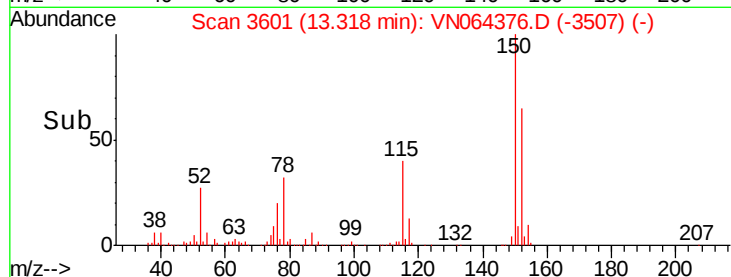
150 155.4 0.0 346.2



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: 0.391 ug/l

RT: 12.00 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

Tgt Ion: 43 Resp: 2366

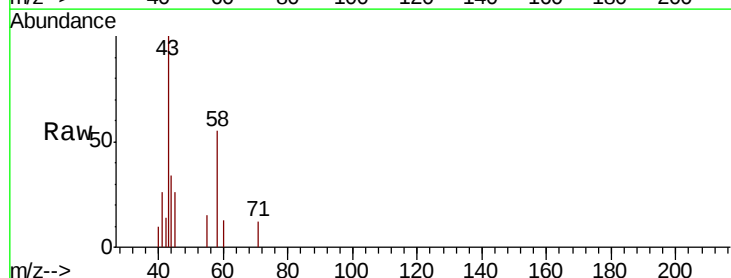
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 6.7 18.2 27.4#

61 0.0 17.6 26.4#

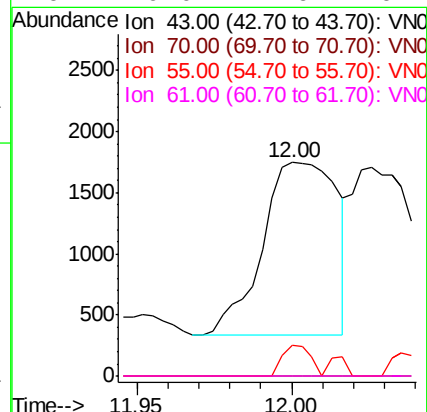
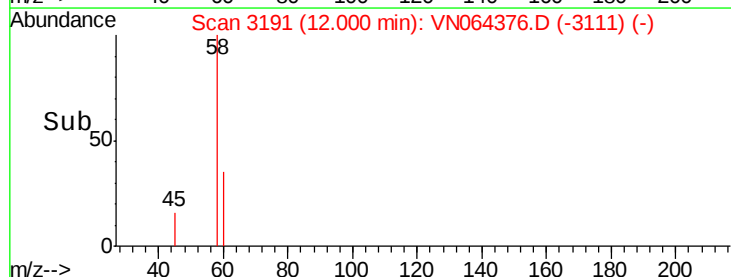


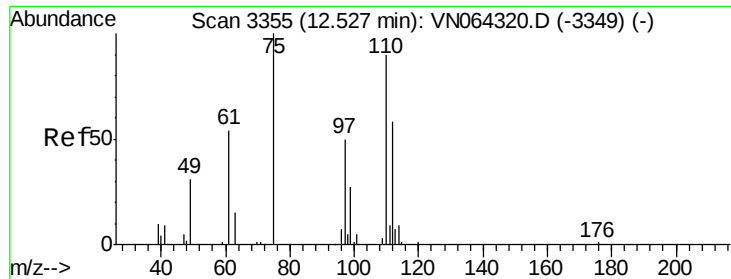
Abundance Ion 43.00 (42.70 to 43.70): V

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: 29.363 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

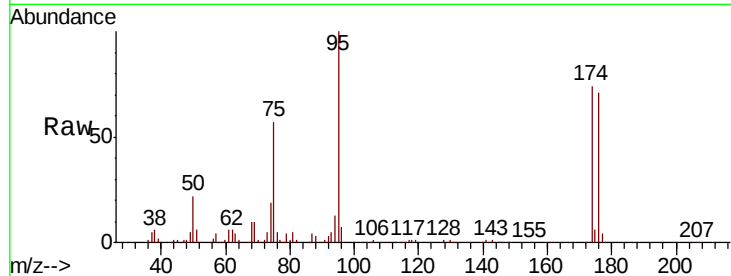
PB132688TB

Tot Ion: 75 Resp: 128962

Ion Ratio Lower Upper

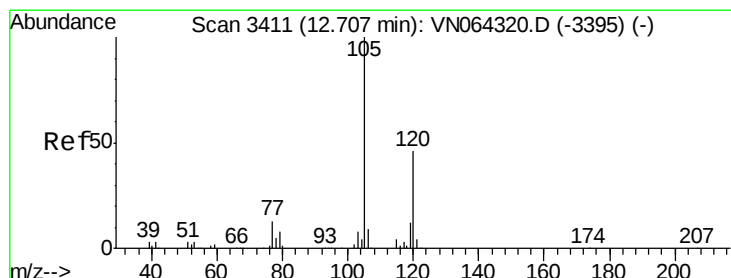
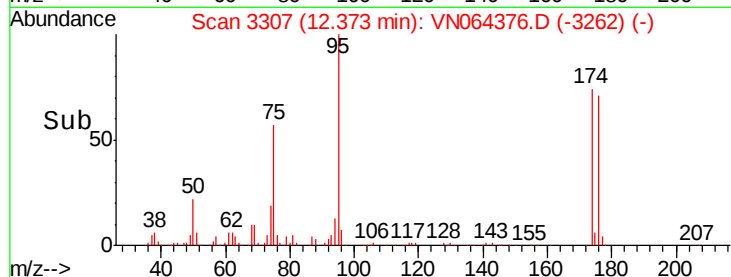
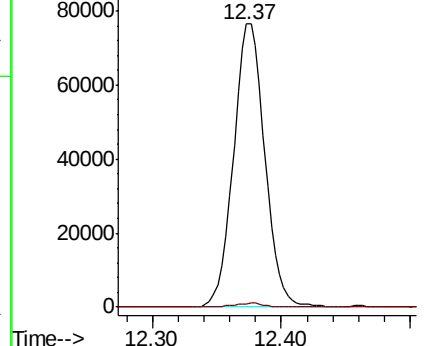
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064376.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064376.D (-3262) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.347 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064376.D

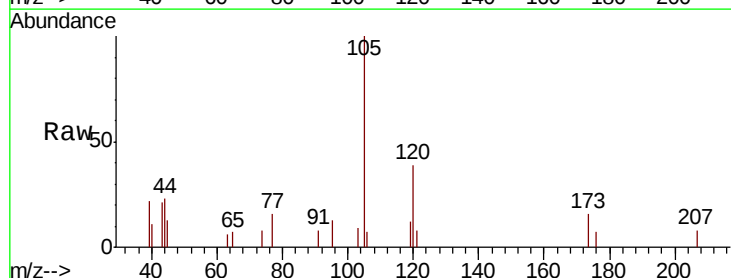
Acq: 29 Oct 2020 16:09

Tgt Ion: 105 Resp: 4034

Ion Ratio Lower Upper

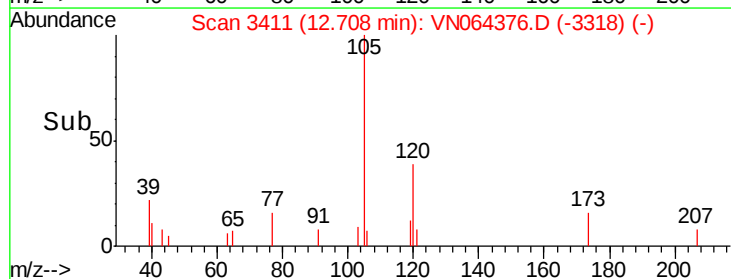
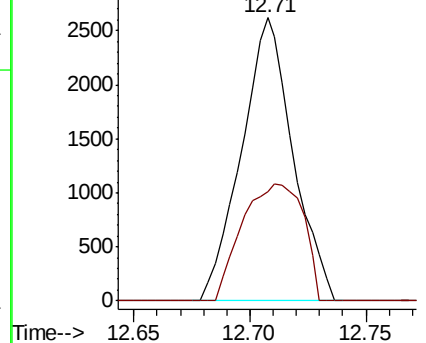
105 100

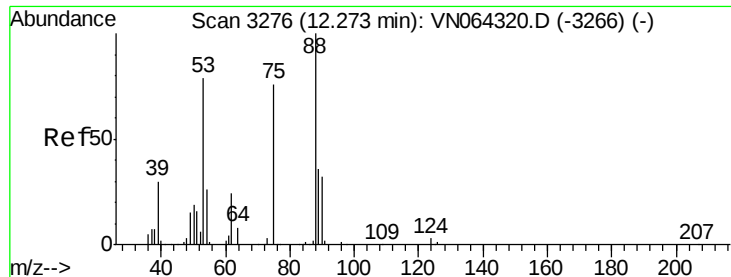
120 49.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064376.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064376.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 84.581 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB132688TB

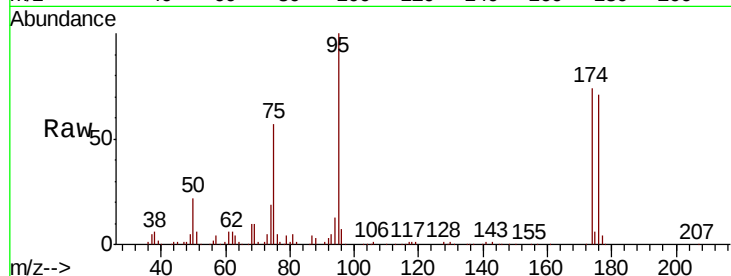
Tot Ion: 75 Resp: 128962

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

89 0.0 39.9 59.9#

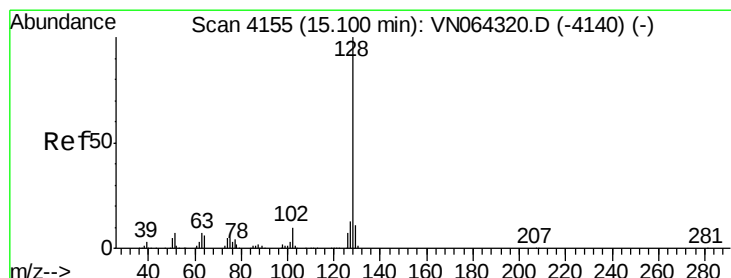
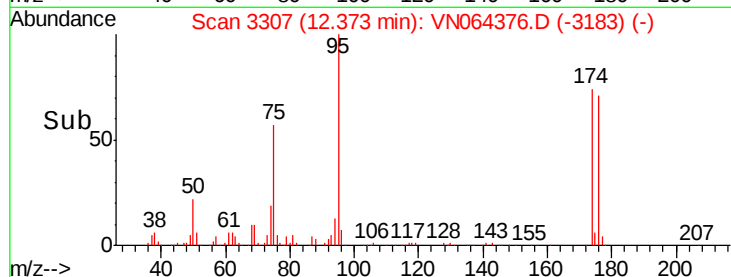
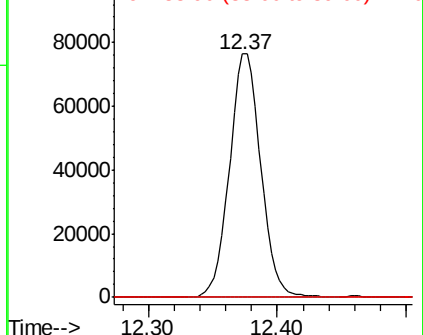


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 2.409 ug/l

RT: 15.13 min Scan# 4163

Delta R.T. 0.03 min

Lab File: VN064376.D

Acq: 29 Oct 2020 16:09

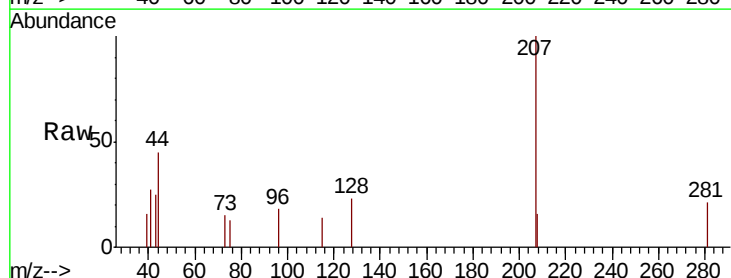
Tgt Ion: 128 Resp: 176

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

