

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064073.D
 Acq On : 10 Oct 2020 6:49
 Operator : JC/MD
 Sample : PB132226ZHE#18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132226ZHE#18

Quant Time: Oct 10 08:06:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	199286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	380312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	392599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	150528	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	179081	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
35) Dibromofluoromethane	7.55	113	130853	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.06	98	487632	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.38	95	182323	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	

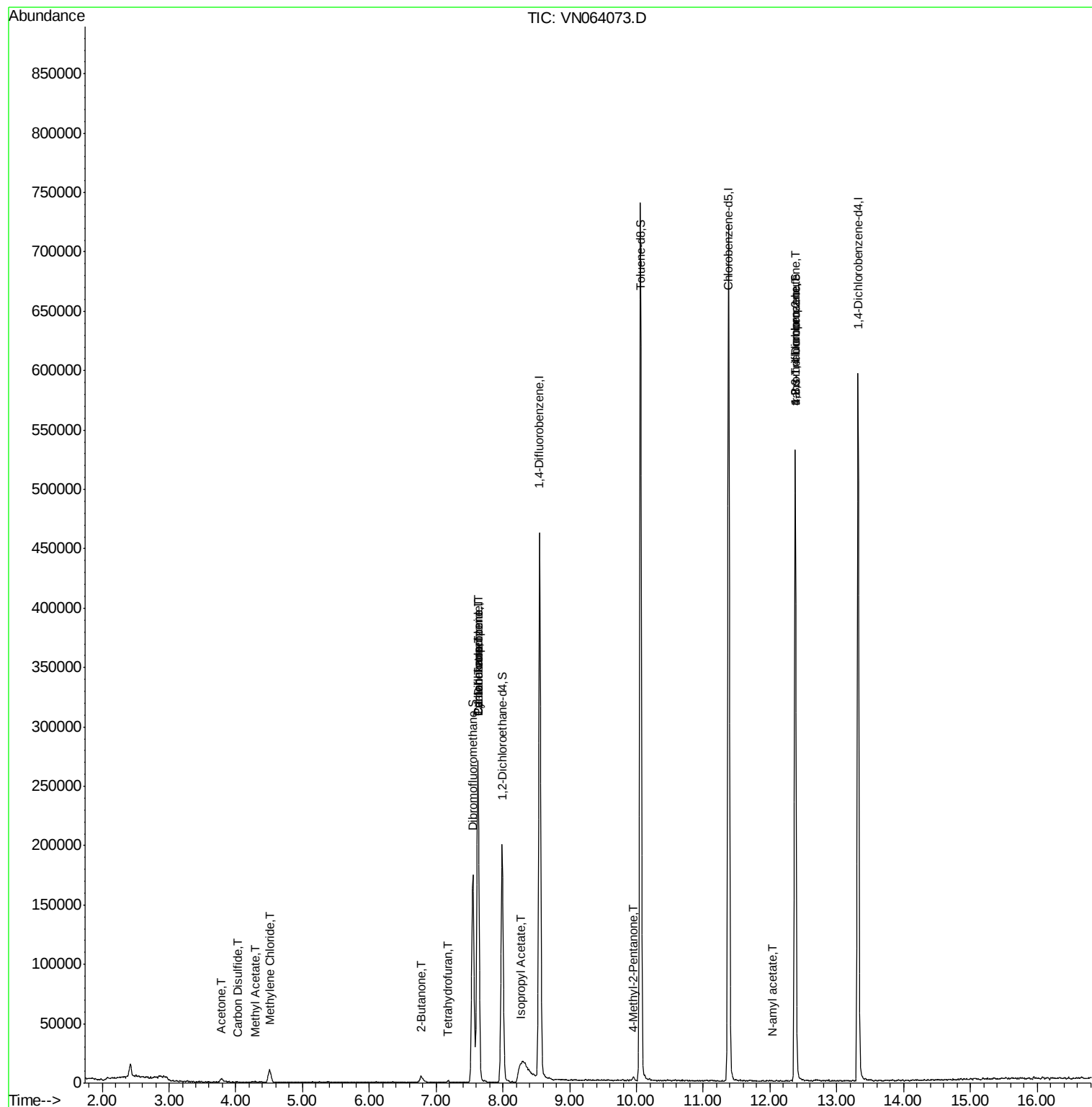
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5814	5.737	ug/l	99
17) Carbon Disulfide	4.01	76	308	0.757	ug/l #	76
18) Methyl Acetate	4.30	43	1052	0.400	ug/l #	54
20) Methylene Chloride	4.51	84	6969	3.094	ug/l #	95
25) 2-Butanone	6.79	43	715	0.498	ug/l #	51
29) Tetrahydrofuran	7.16	42	441	0.458	ug/l #	36
31) Cyclohexane	7.63	56	5271	1.379	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	18439	4.786	ug/l #	51
38) Carbon Tetrachloride	7.63	117	22329	5.168	ug/l #	14
43) Isopropyl Acetate	8.25	43	10699	1.694	ug/l #	64
51) 4-Methyl-2-Pentanone	9.96	43	3344	0.902	ug/l #	57
74) N-amyl acetate	12.04	43	155	2.245	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	98996	29.834	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	98996	85.926	ug/l #	6

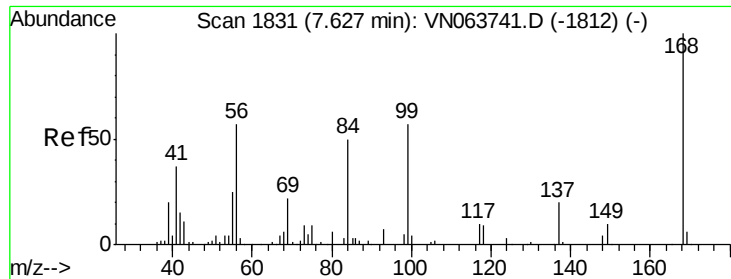
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064073.D

Acq: 10 Oct 2020 6:49

Instrument :

MSVOA_N

ClientSampleId :

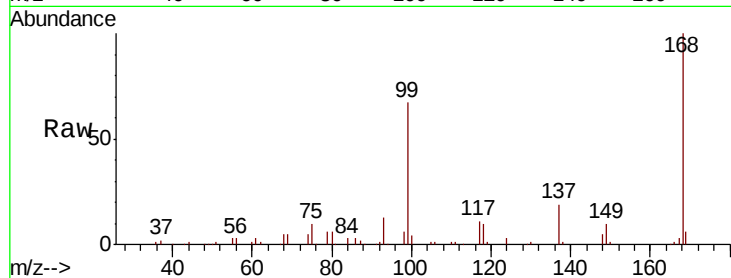
PB132226ZHE#18

Tot Ion:168 Resp: 199286

Ion Ratio Lower Upper

168 100

99 66.8 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

80000

60000

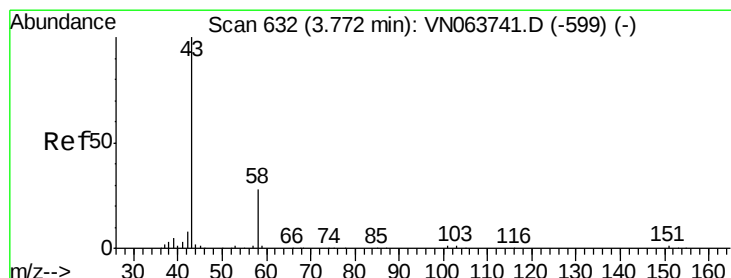
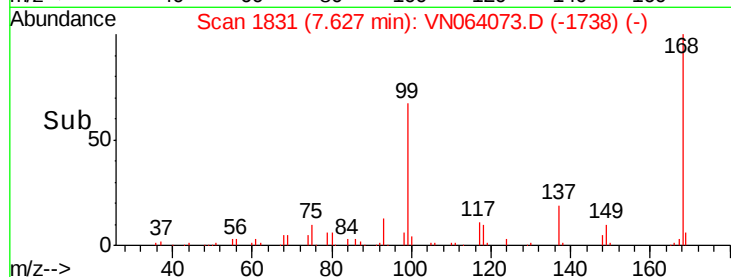
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 5.737 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064073.D

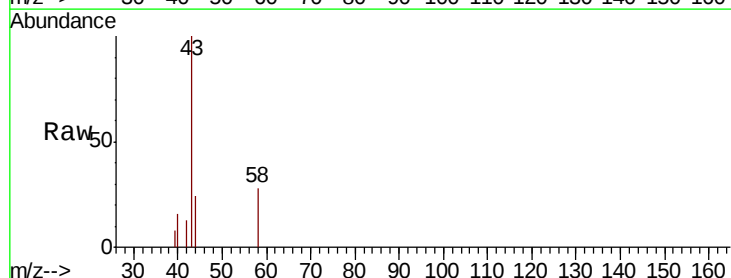
Acq: 10 Oct 2020 6:49

Tgt Ion: 43 Resp: 5814

Ion Ratio Lower Upper

43 100

58 27.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-599) (-)

3.78

2500

2000

1500

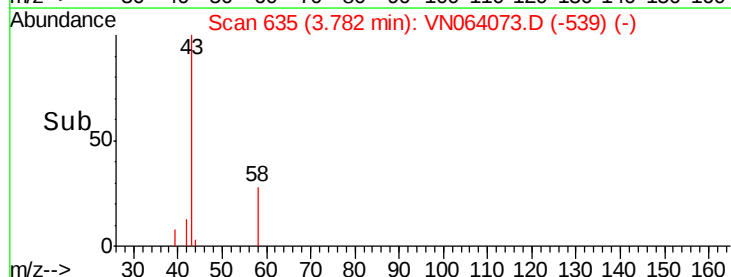
1000

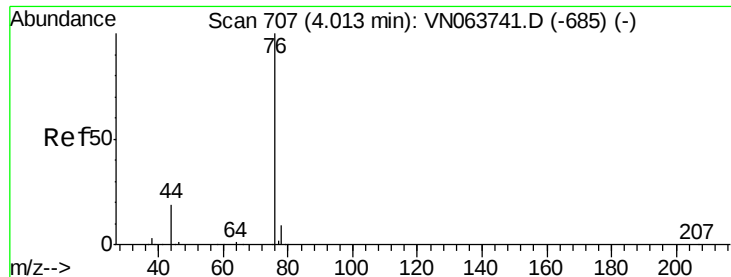
500

0

3.70 3.75 3.80 3.85

Time-->





#17

Carbon Disulfide

Concen: 0.757 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064073.D

Acq: 10 Oct 2020 6:49

Instrument :

MSVOA_N

ClientSampleId :

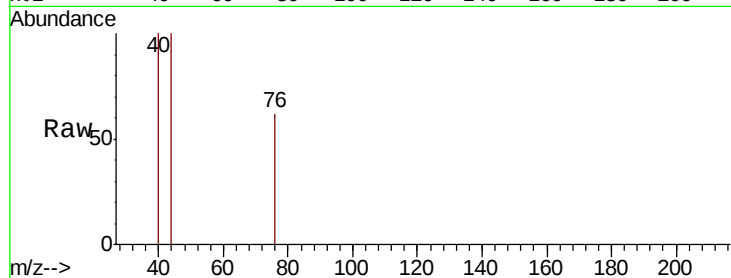
PB132226ZHE#18

Tot Ion: 76 Resp: 308

Ion Ratio Lower Upper

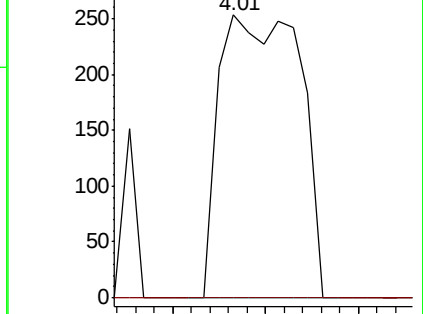
76 100

78 0.0 7.0 10.4#

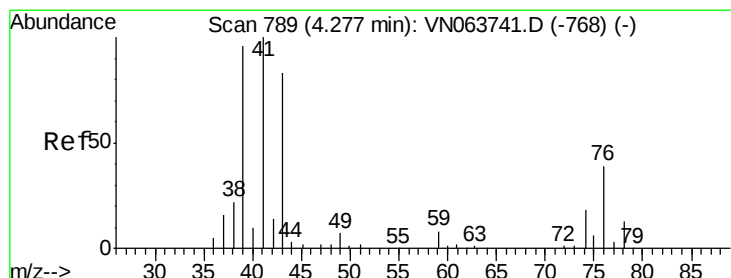
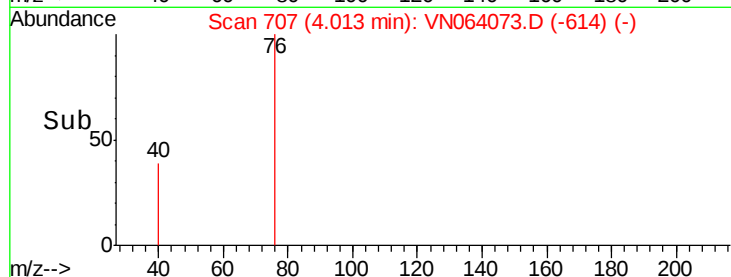


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#18

Methyl Acetate

Concen: 0.400 ug/l

RT: 4.30 min Scan# 795

Delta R.T. 0.02 min

Lab File: VN064073.D

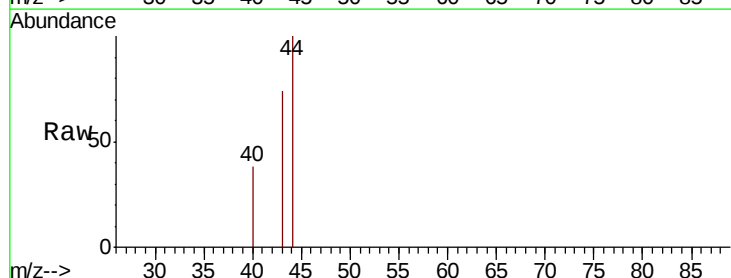
Acq: 10 Oct 2020 6:49

Tgt Ion: 43 Resp: 1052

Ion Ratio Lower Upper

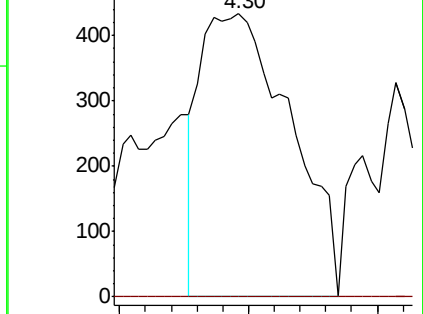
43 100

74 0.0 17.4 26.2#

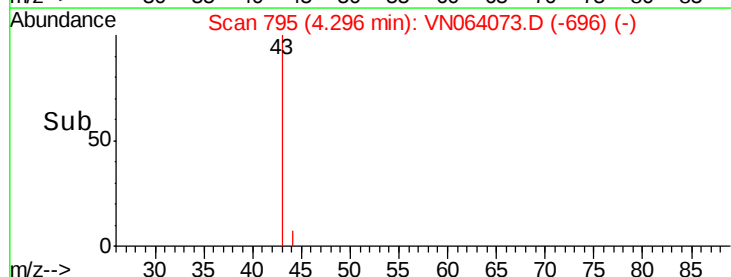


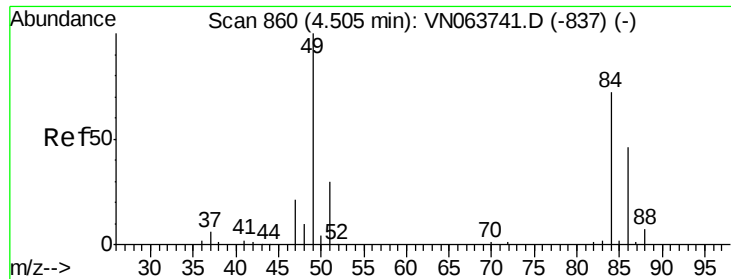
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time-->

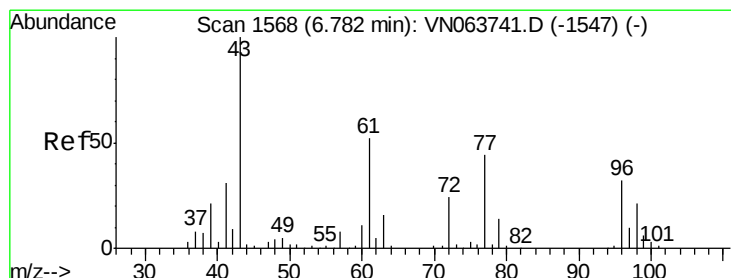
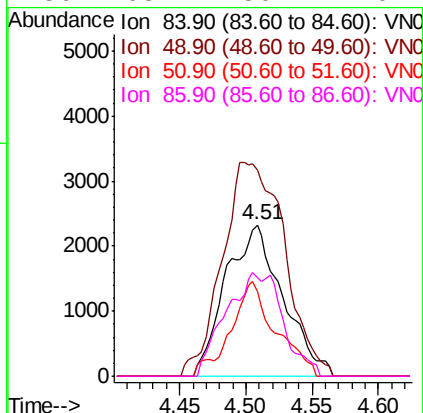
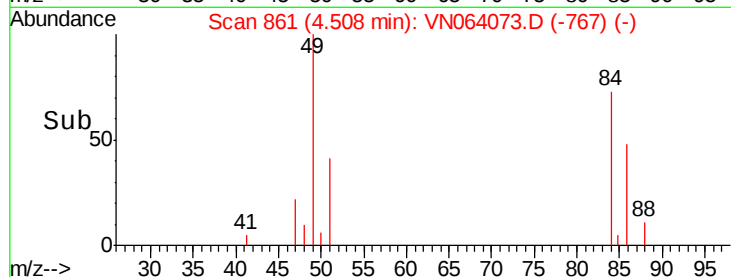
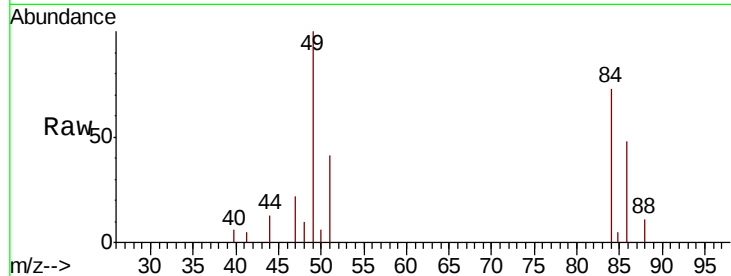




#20
Methvlene Chloride
Concen: 3.094 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

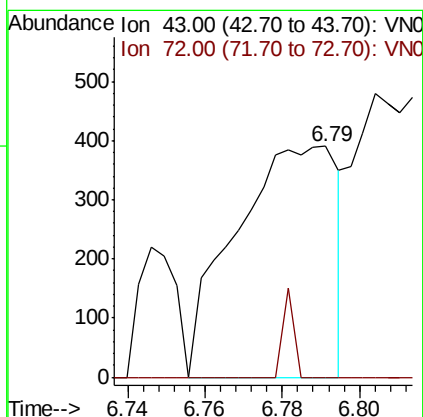
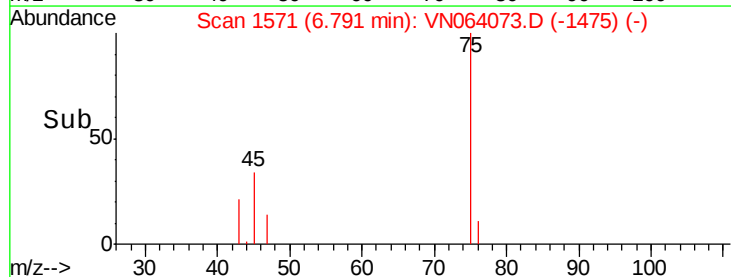
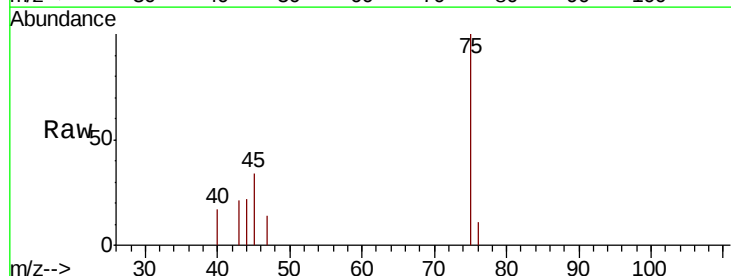
Instrument :
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PB132226ZHE#18

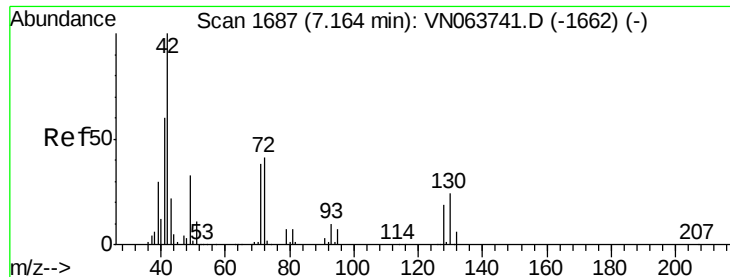
Tot Ion: 84 Resp: 6969
Ion Ratio Lower Upper
84 100
49 136.3 110.4 165.6
51 55.8 33.3 49.9#
86 65.4 50.7 76.1



#25
2-Butanone
Concen: 0.498 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#

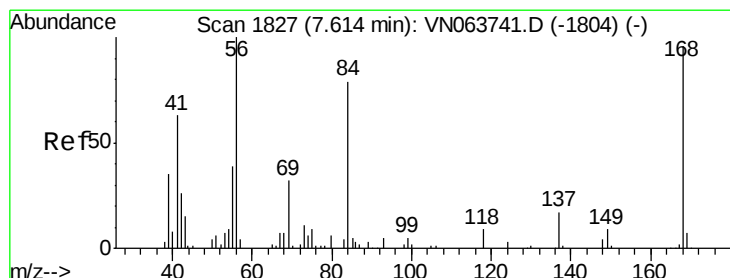
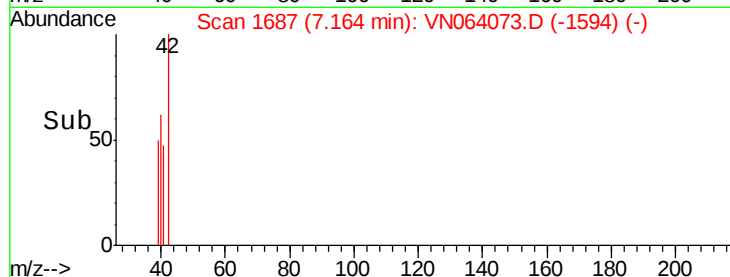
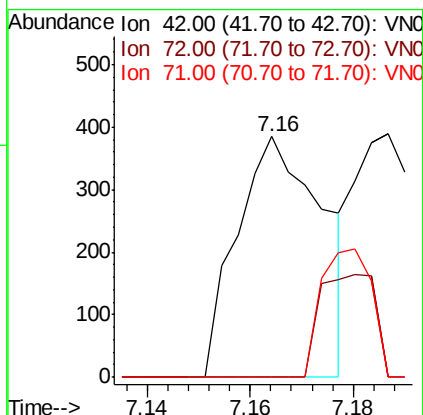
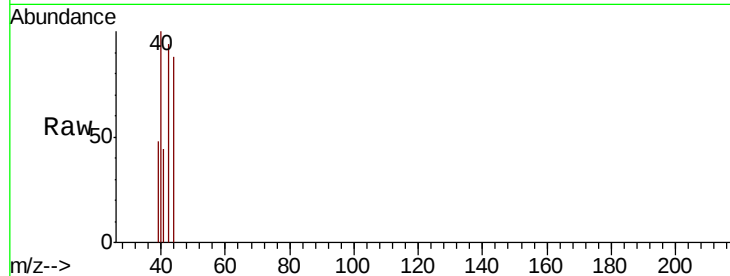




#29
Tetrahydrofuran
Concen: 0.458 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

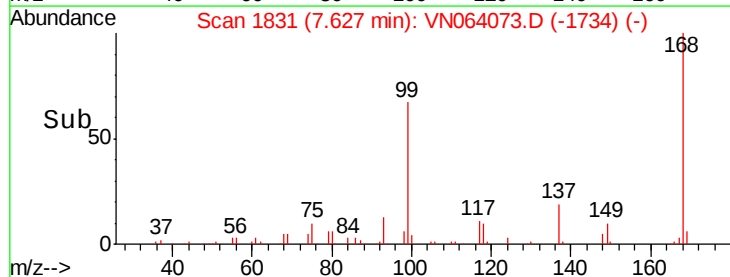
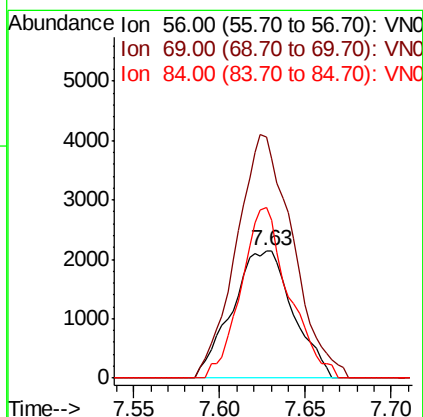
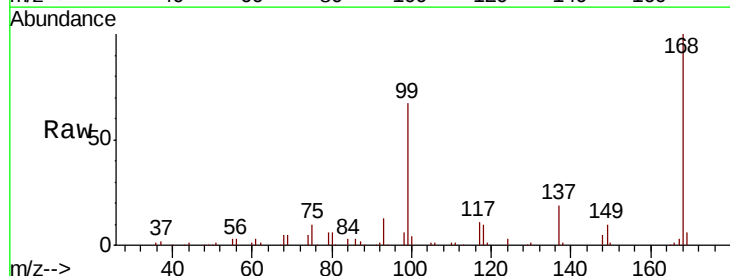
Instrument :
MSVOA_N
ClientSampleId :
PB132226ZHE#18

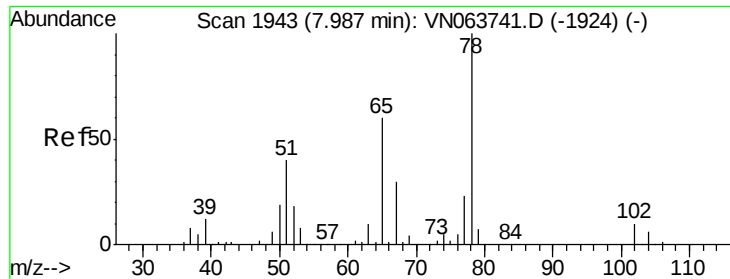
Tot Ion: 42 Resp: 441
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 30.6 45.8#



#31
Cyclohexane
Concen: 1.379 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

Tgt Ion: 56 Resp: 5271
Ion Ratio Lower Upper
56 100
69 188.9 25.4 38.2#
84 134.2 63.3 94.9#

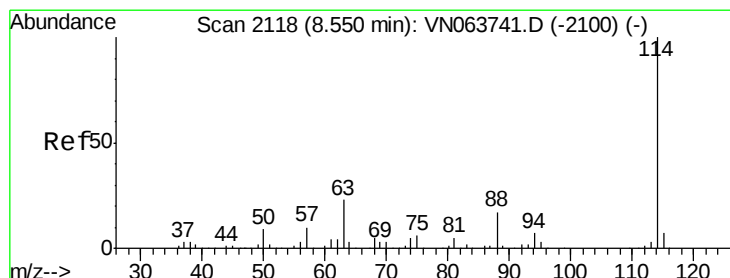
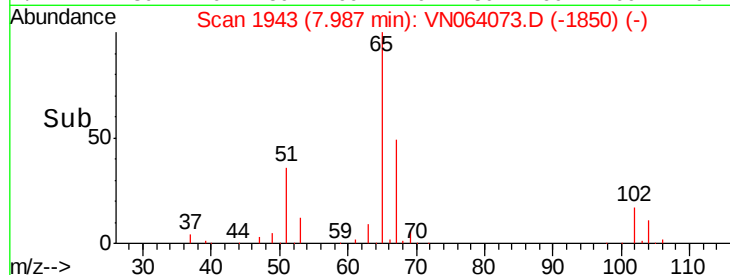
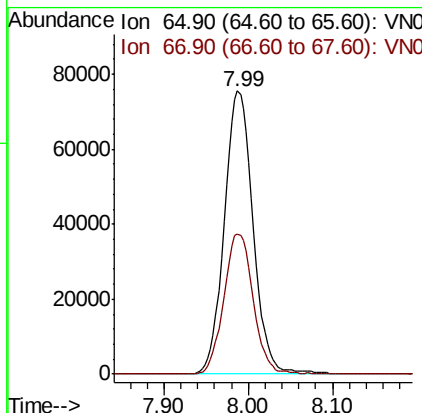
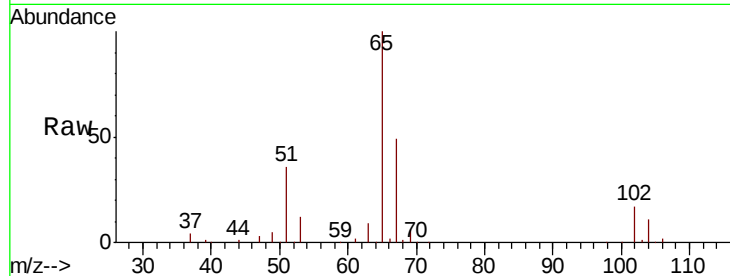




#33
 1,2-Dichloroethane-d4
 Concen: 54.393 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064073.D
 Acq: 10 Oct 2020 6:49

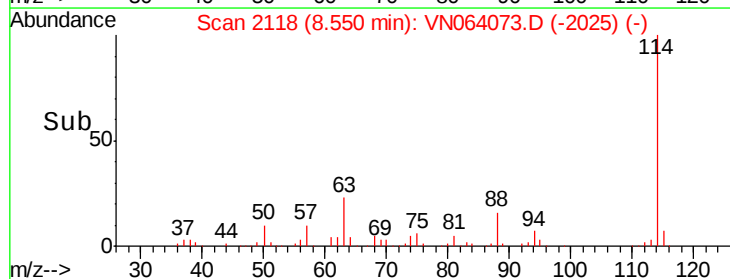
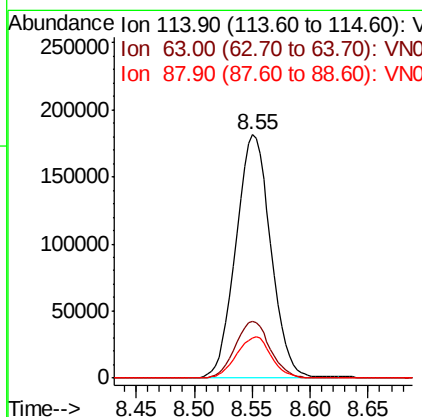
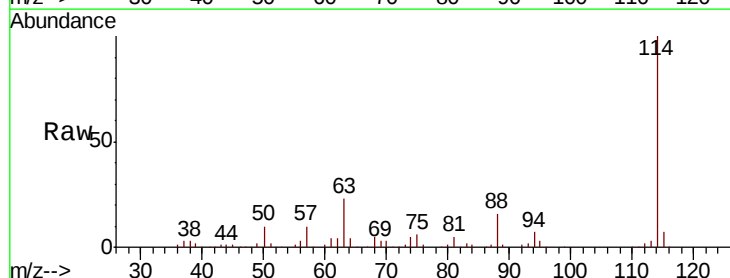
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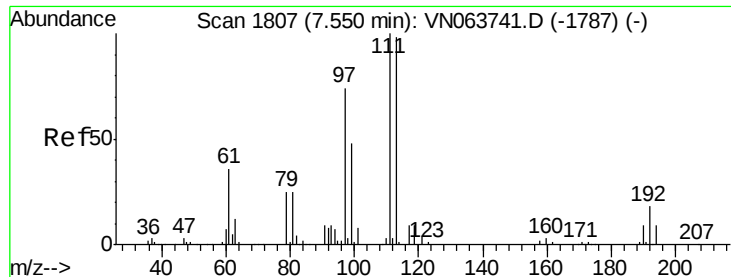
Tot Ion: 65 Resp: 179081
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064073.D
 Acq: 10 Oct 2020 6:49

Tgt Ion: 114 Resp: 380312
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.0
 88 16.5 0.0 34.0

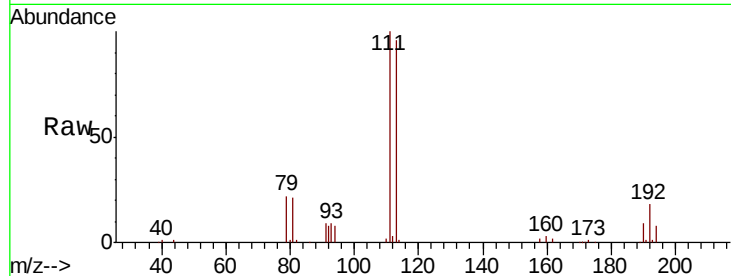




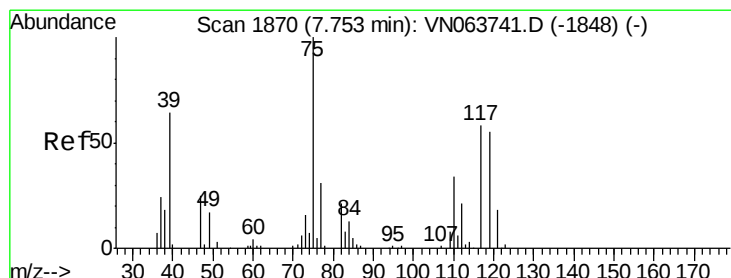
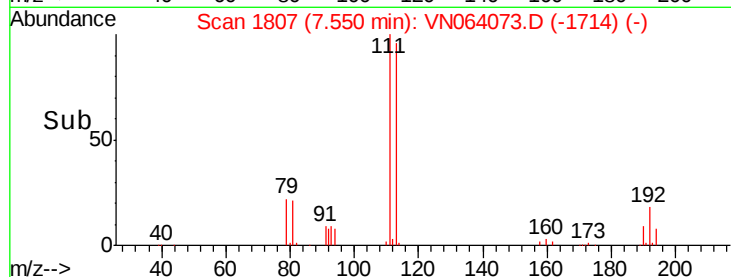
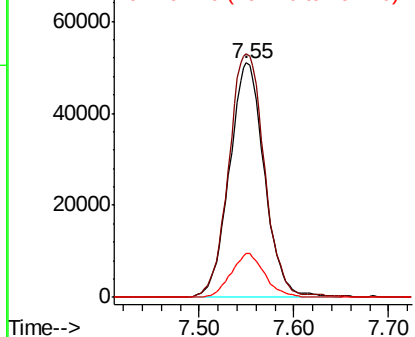
#35
Dibromofluoromethane
Concen: 49.586 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

Instrument :
MSVOA_N
ClientSampleId :
PB132226ZHE#18

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.2	81.8	122.8
192	17.9	14.2	21.2

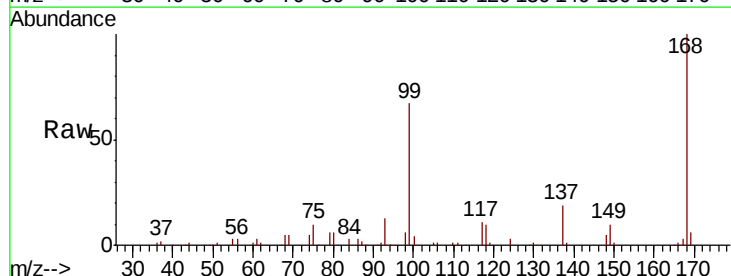


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

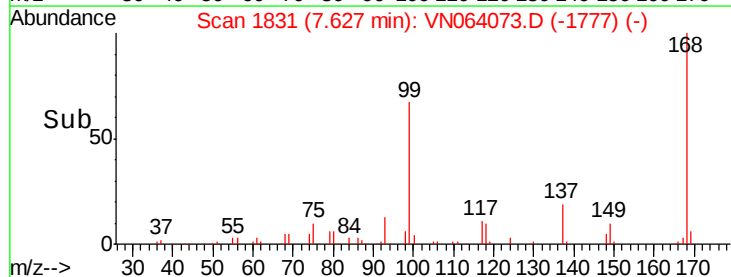
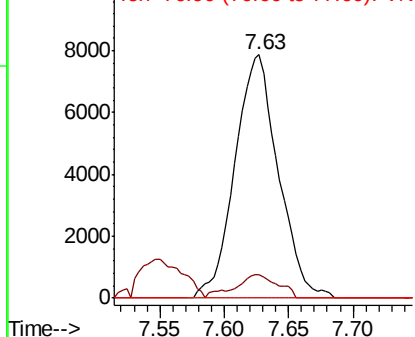


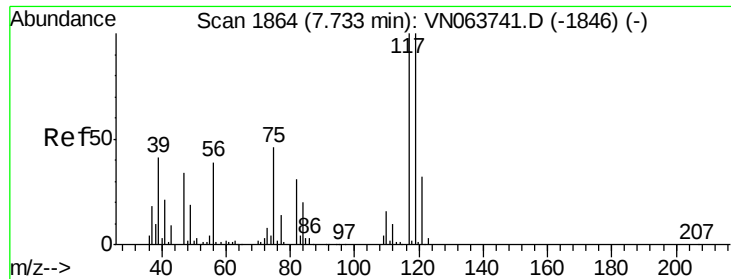
#36
1,1-Dichloropropene
Concen: 4.786 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.9	50.6#
77	0.0	24.5	36.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

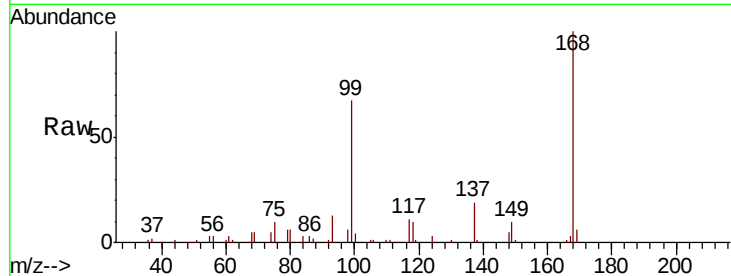




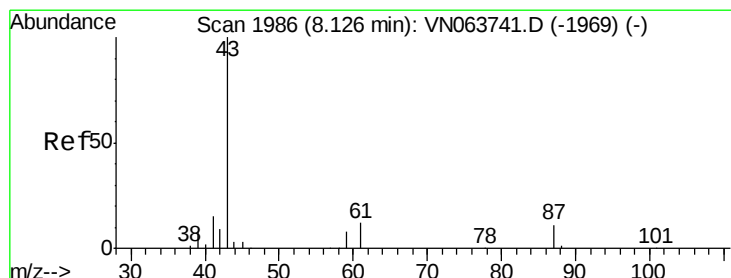
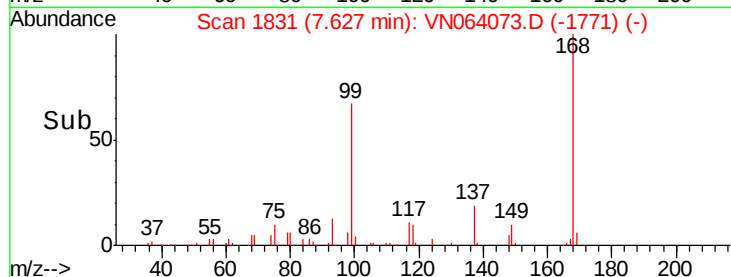
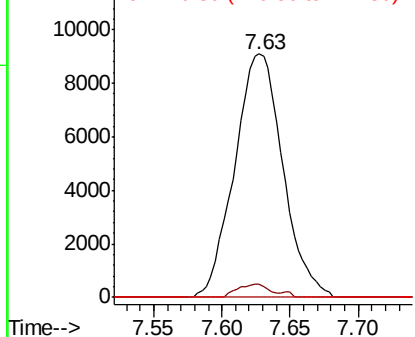
#38
Carbon Tetrachloride
Concen: 5.168 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

Instrument :
MSVOA_N
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PB132226ZHE#18

Tot Ion:117 Resp: 22329
Ion Ratio Lower Upper
117 100
119 5.4 80.1 120.1#
121 0.0 25.7 38.5#

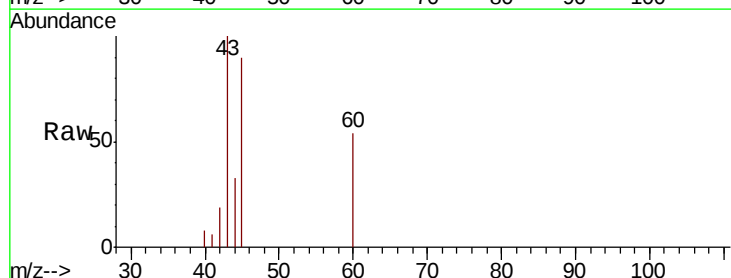


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

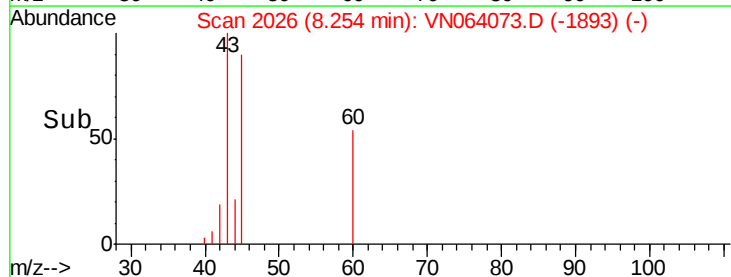
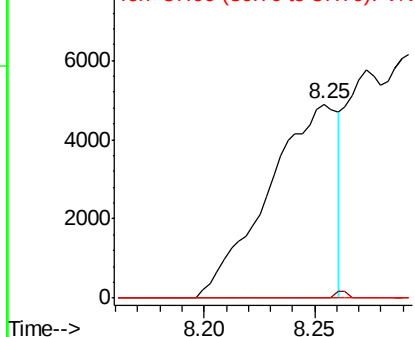


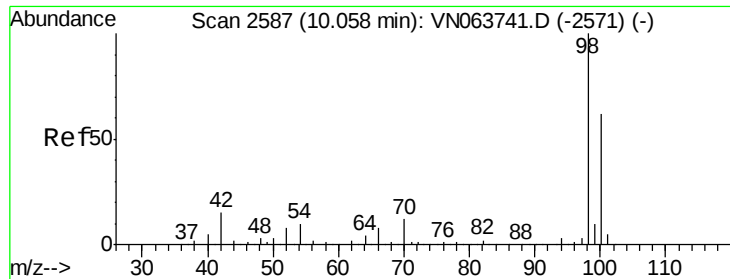
#43
Isopropyl Acetate
Concen: 1.694 ug/l
RT: 8.25 min Scan# 2026
Delta R.T. 0.13 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

Tgt Ion: 43 Resp: 10699
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.0 13.6#



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





#50

Toluene-d8

Concen: 48.745 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064073.D

Acq: 10 Oct 2020 6:49

Instrument :

MSVOA_N

ClientSampleId :

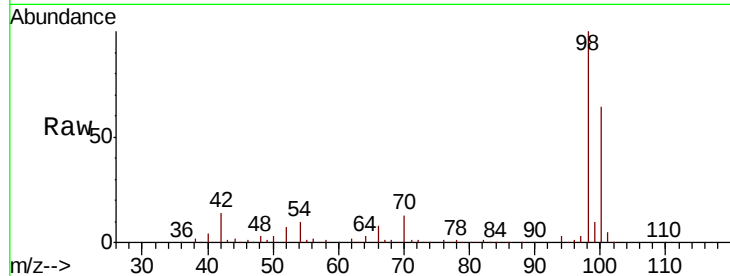
PB132226ZHE#18

Tot Ion: 98 Resp: 487632

Ion Ratio Lower Upper

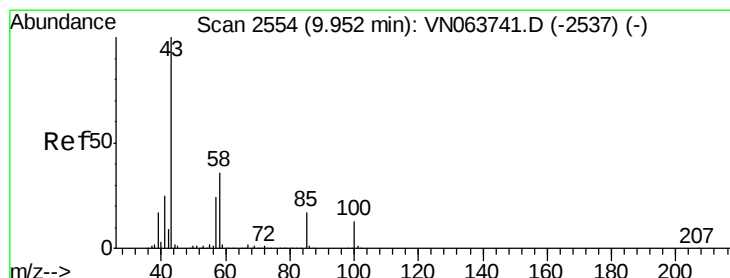
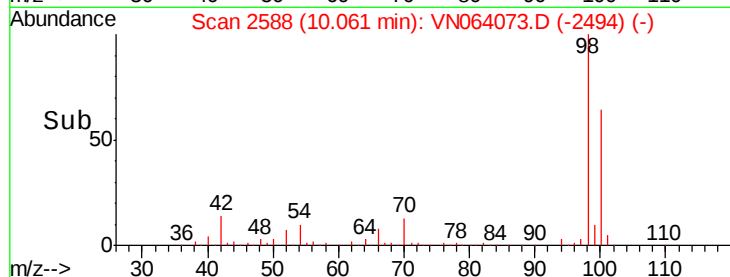
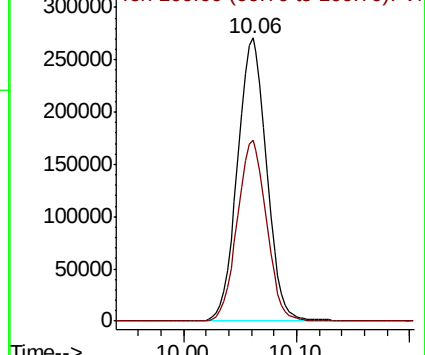
98 100

100 64.1 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.902 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064073.D

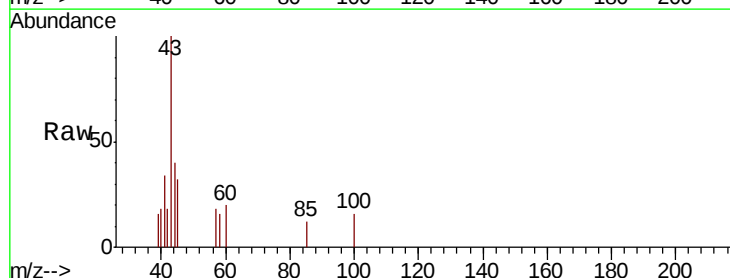
Acq: 10 Oct 2020 6:49

Tgt Ion: 43 Resp: 3344

Ion Ratio Lower Upper

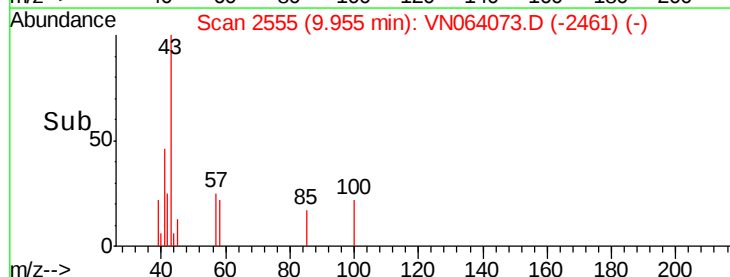
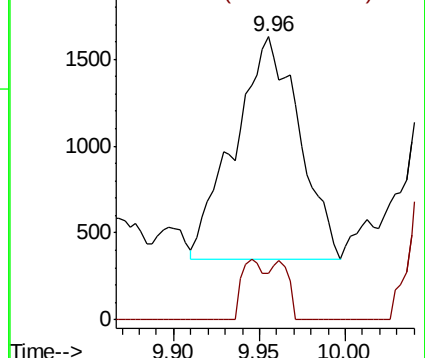
43 100

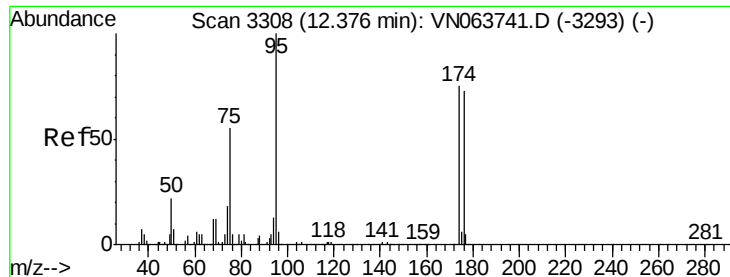
58 10.2 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

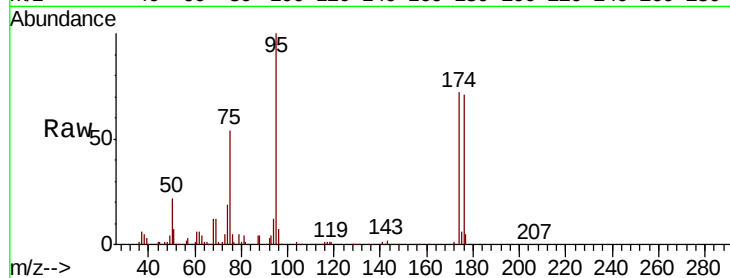




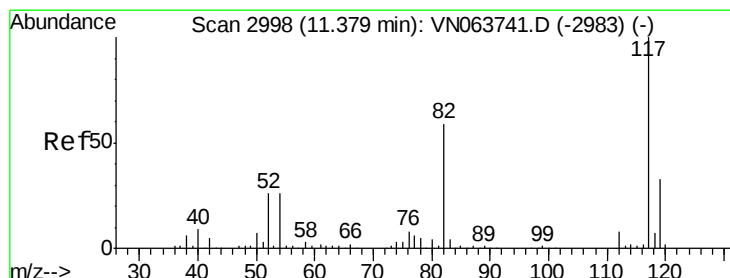
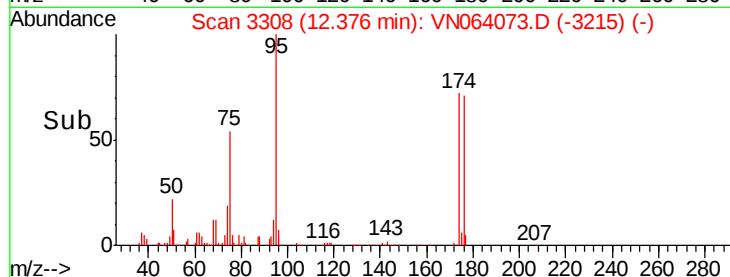
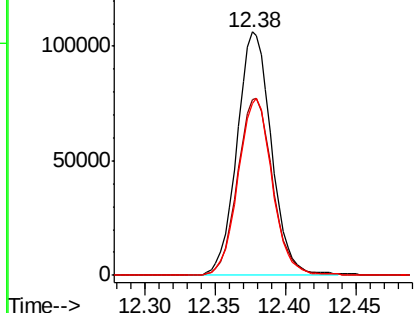
#62
4-Bromofluorobenzene
Concen: 48.484 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

Instrument :
MSVOA_N
ClientSampleId :
PB132226ZHE#18

Tot Ion: 95 Resp: 182323
Ion Ratio Lower Upper
95 100
174 74.1 0.0 150.6
176 71.7 0.0 145.4

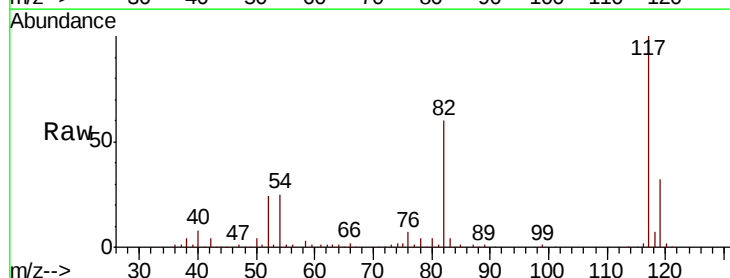


Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)
Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)
Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)

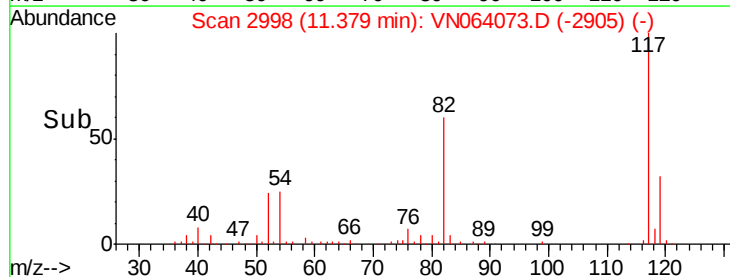
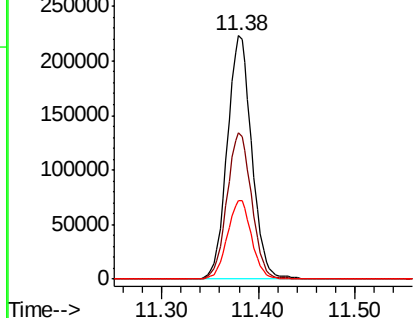


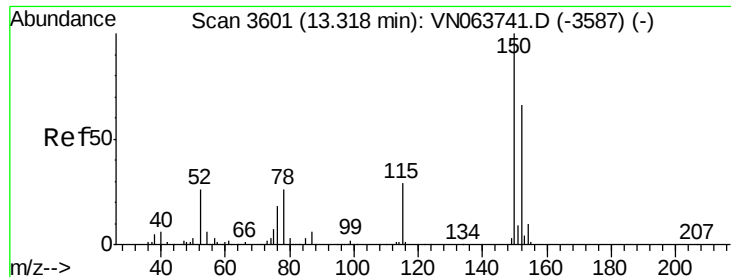
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064073.D
Acq: 10 Oct 2020 6:49

Tgt Ion: 117 Resp: 392599
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 32.2 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)
Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)
Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064073.D

Acq: 10 Oct 2020 6:49

Instrument :

MSVOA_N

ClientSampleId :

PB132226ZHE#18

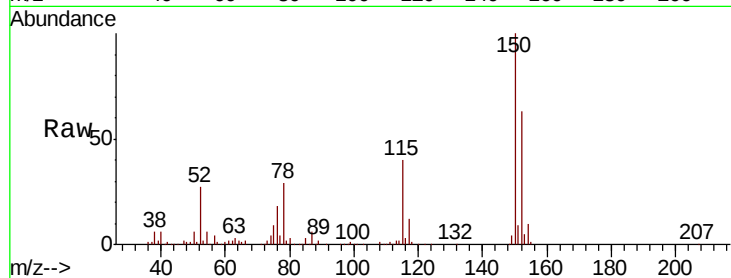
Tot Ion:152 Resp: 150528

Ion Ratio Lower Upper

152 100

115 61.3 31.3 93.8

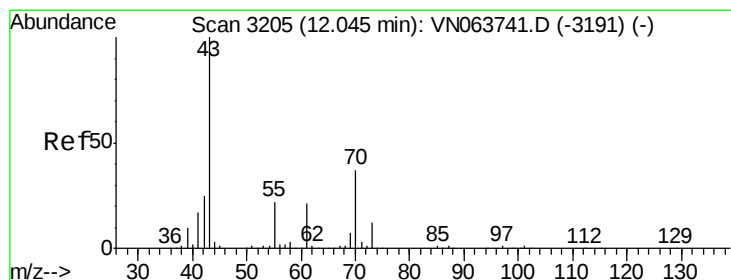
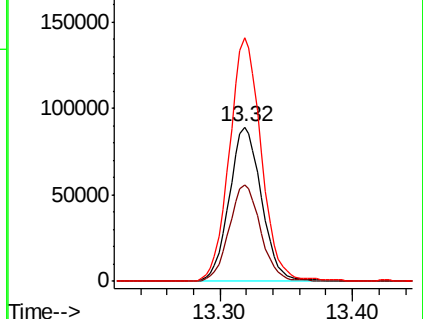
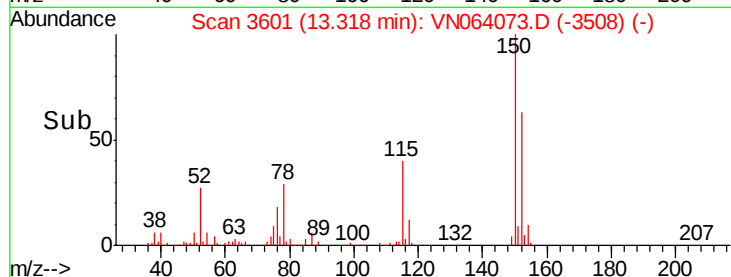
150 156.4 0.0 341.8



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: 2.245 ug/l

RT: 12.04 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VN064073.D

Acq: 10 Oct 2020 6:49

Tgt Ion: 43 Resp: 155

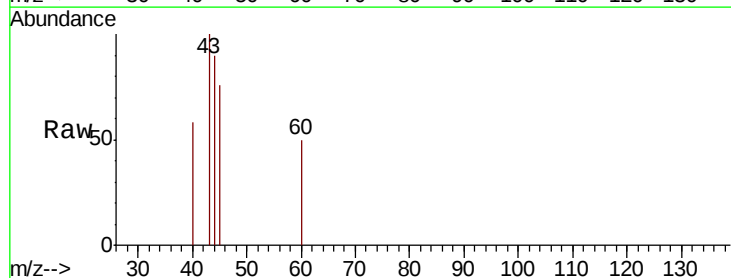
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

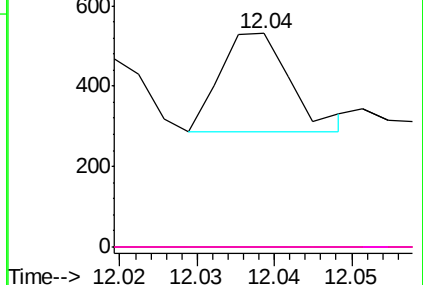
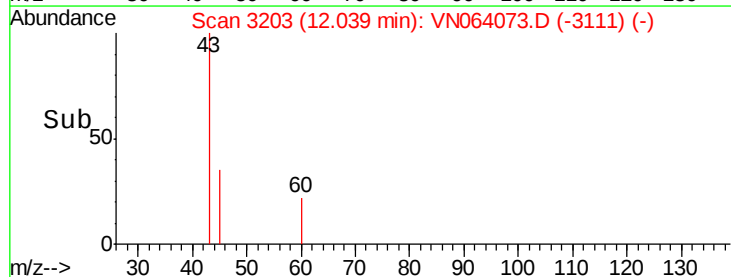


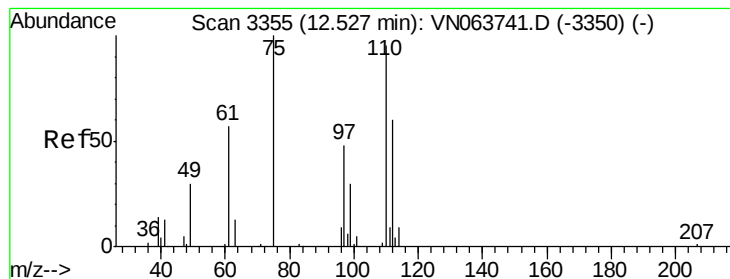
Abundance Ion 43.00 (42.70 to 43.70): V

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: 29.834 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064073.D

Acq: 10 Oct 2020 6:49

Instrument :

MSVOA_N

ClientSampleId :

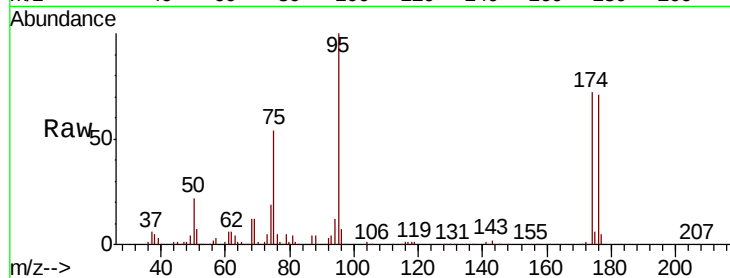
PB132226ZHE#18

Tot Ion: 75 Resp: 98996

Ion Ratio Lower Upper

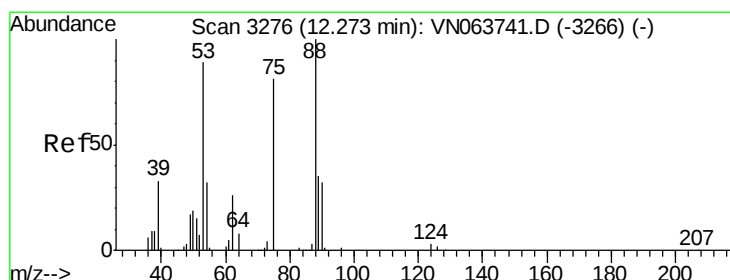
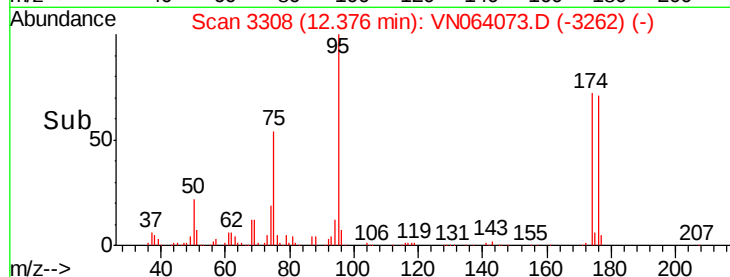
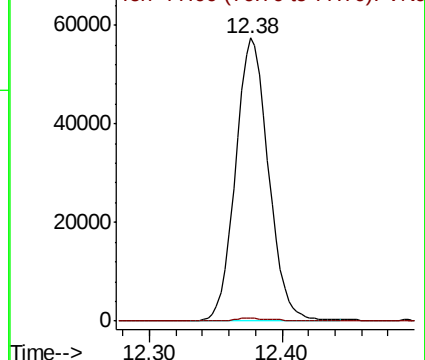
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 85.926 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064073.D

Acq: 10 Oct 2020 6:49

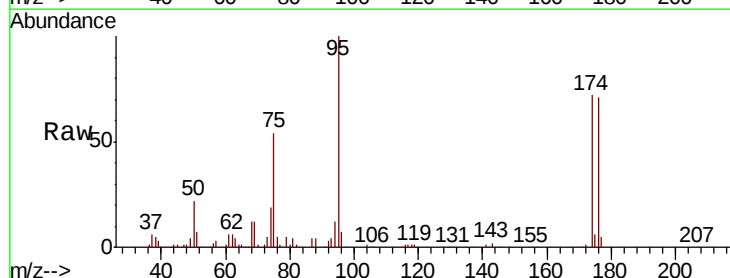
Tgt Ion: 75 Resp: 98996

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.0 36.0 54.0#



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

