

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065017.D
 Acq On : 9 Dec 2020 13:49
 Operator : JC/MD
 Sample : PB133473ZHE#18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#18

Quant Time: Dec 10 04:07:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	161776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	299010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	306341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	133699	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	103278	54.91	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.82%	
35) Dibromofluoromethane		7.55	113	98700	55.16	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	110.32%	
50) Toluene-d8		10.06	98	374057	51.17	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.34%	
62) 4-Bromofluorobenzene		12.38	95	140376	53.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.32%	

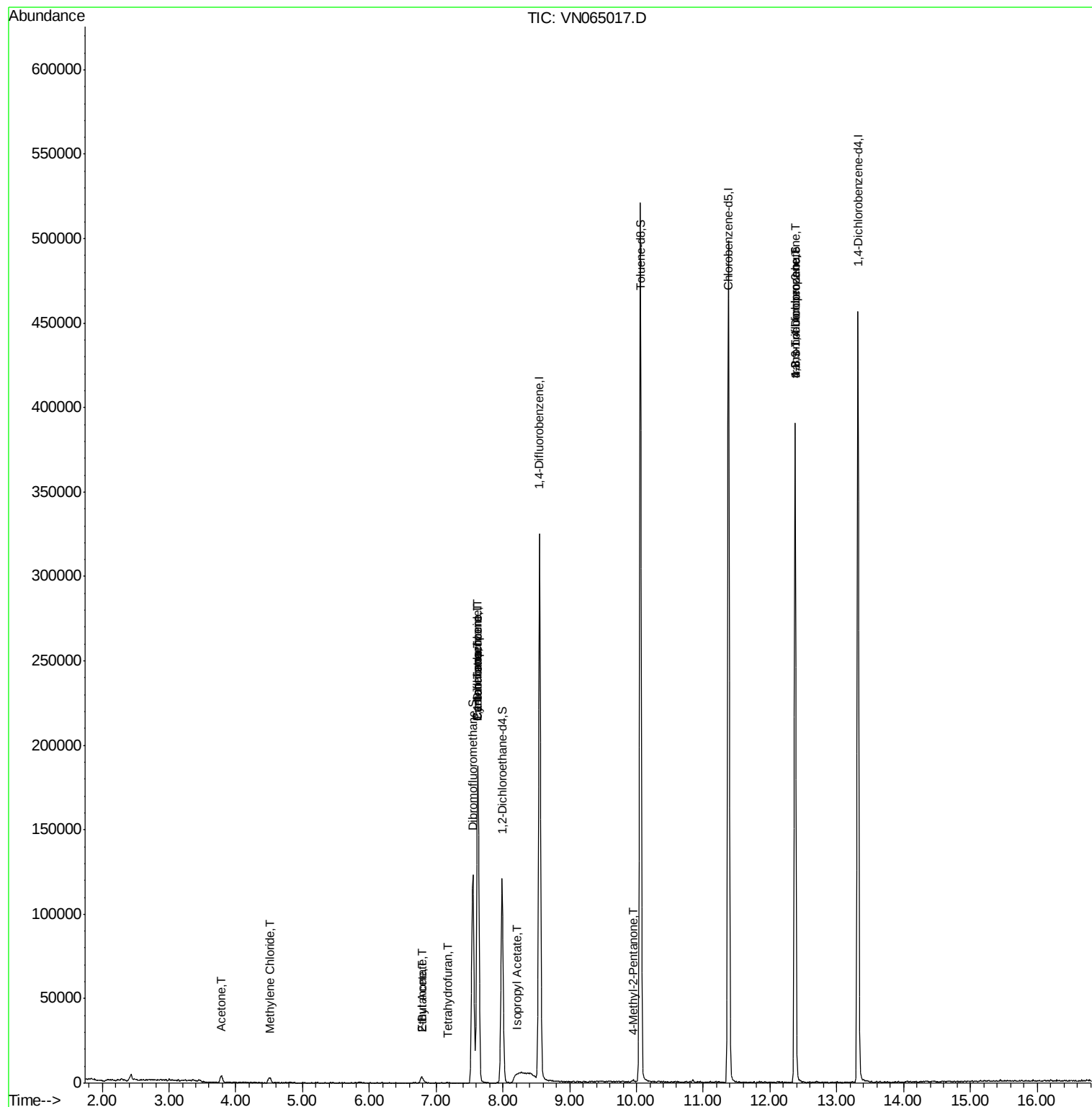
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	7741	12.521	ug/l	91
20) Methylene Chloride	4.50	84	2643	1.364	ug/l	89
25) 2-Butanone	6.80	43	1323	1.320	ug/l	97
29) Tetrahydrofuran	7.17	42	144	0.208	ug/l #	32
31) Cyclohexane	7.62	56	2695	1.028	ug/l #	10
36) 1,1-Dichloropropene	7.62	75	10836	3.910	ug/l #	50
37) Ethyl Acetate	6.80	43	1323	0.496	ug/l #	66
38) Carbon Tetrachloride	7.63	117	14861	5.153	ug/l #	16
43) Isopropyl Acetate	8.20	43	5119	1.192	ug/l #	59
51) 4-Methyl-2-Pentanone	9.96	43	938	0.364	ug/l #	70
76) 1,2,3-Trichloropropane	12.38	75	66565	23.118	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66565	63.362	ug/l #	15

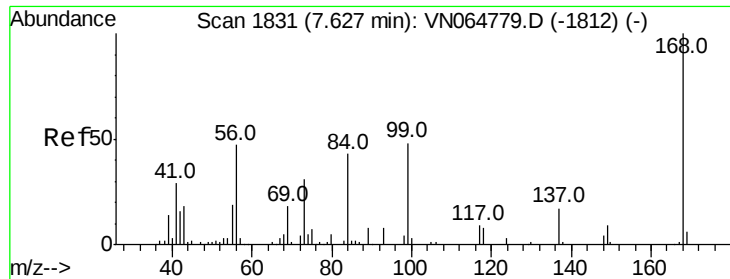
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN065017.D

Acq: 9 Dec 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

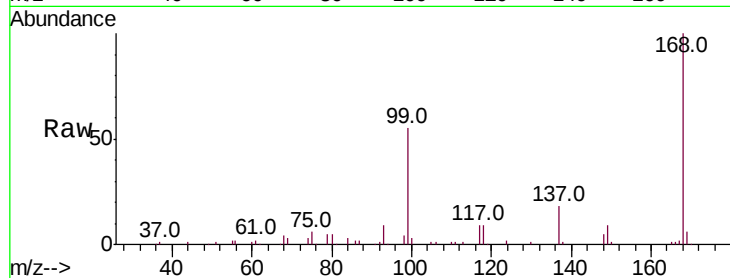
PB133473ZHE#18

Tot Ion:168 Resp: 161776

Ion Ratio Lower Upper

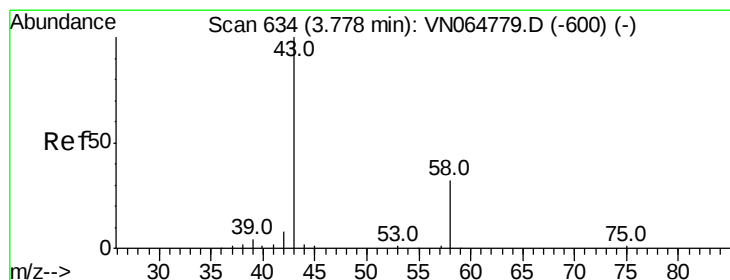
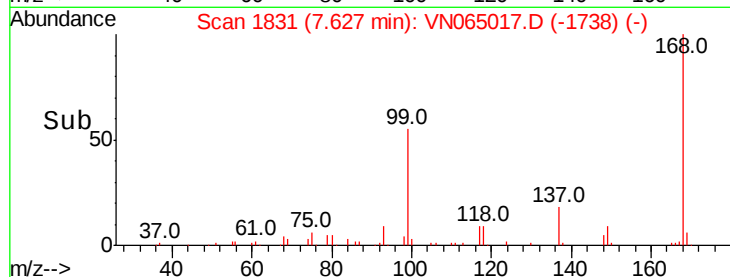
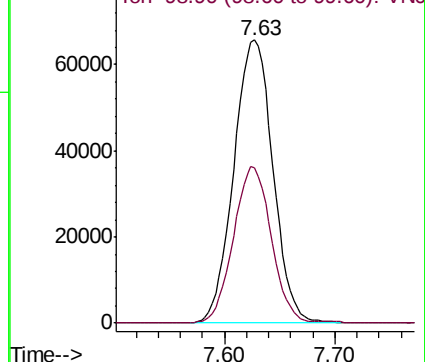
168 100

99 54.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 12.521 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN065017.D

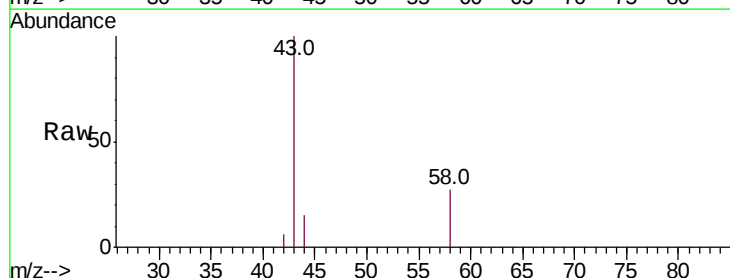
Acq: 9 Dec 2020 13:49

Tgt Ion: 43 Resp: 7741

Ion Ratio Lower Upper

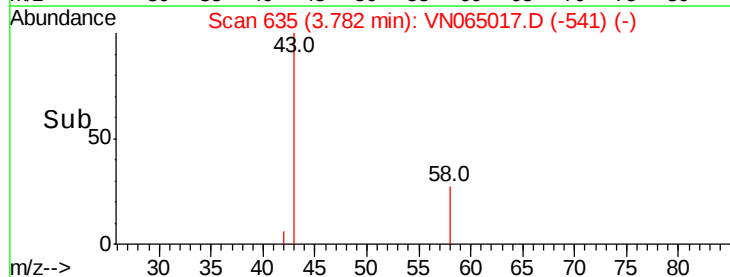
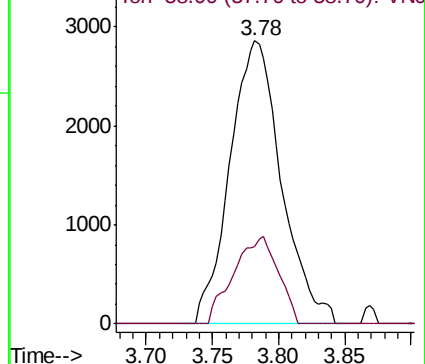
43 100

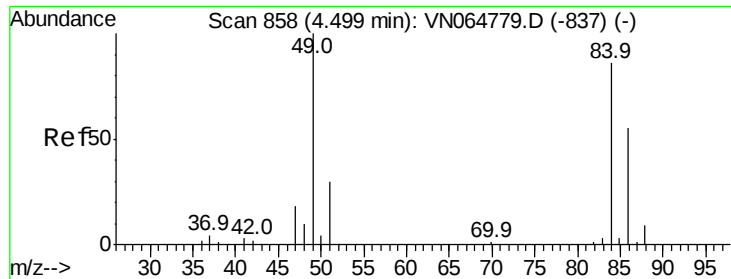
58 27.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

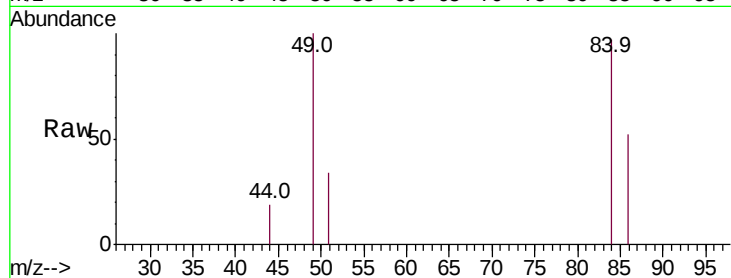




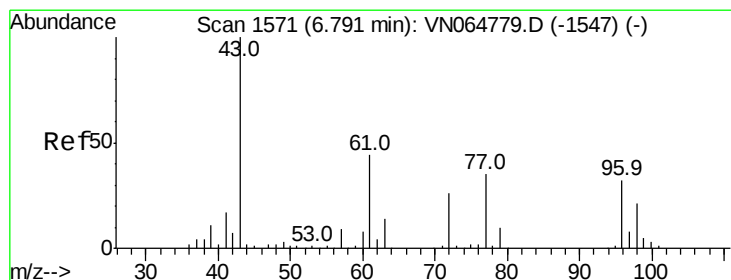
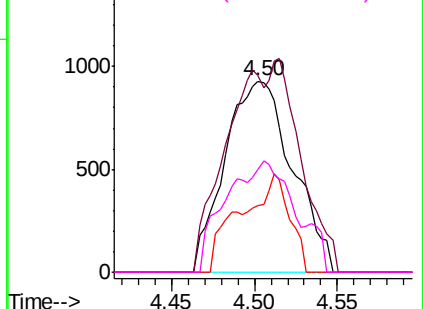
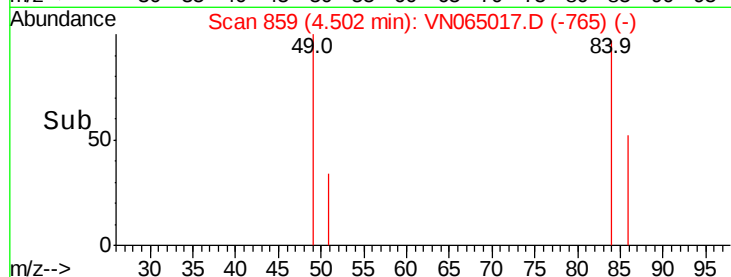
#20
Methvlene Chloride
Concen: 1.364 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065017.D
Acq: 9 Dec 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#18

Tot Ion: 84 Resp: 2643
Ion Ratio Lower Upper
84 100
49 103.0 93.4 140.0
51 34.6 28.2 42.4
86 53.7 51.7 77.5

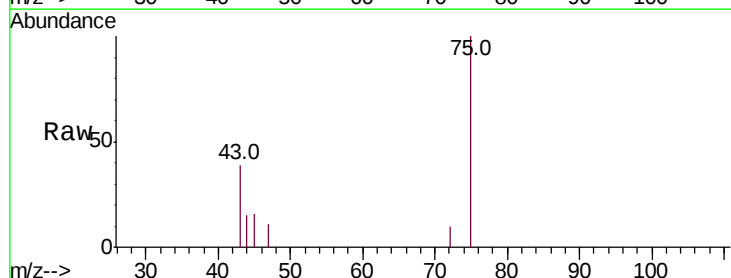


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

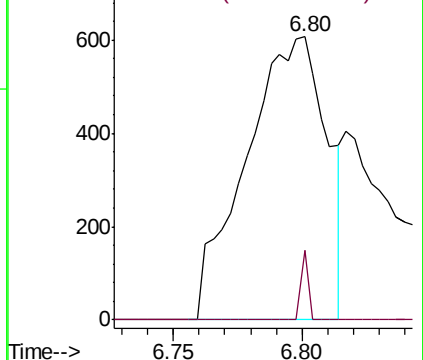
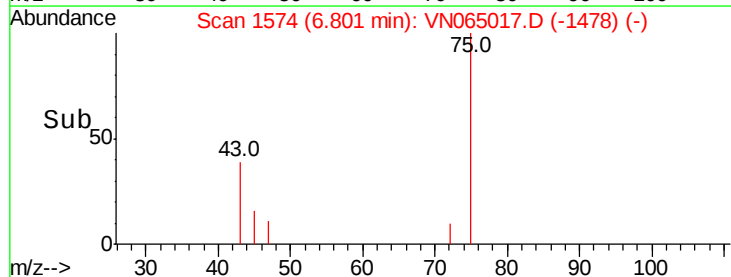


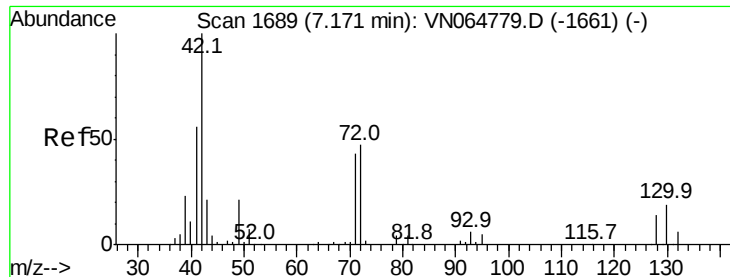
#25
2-Butanone
Concen: 1.320 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN065017.D
Acq: 9 Dec 2020 13:49

Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
72 24.7 21.0 31.6



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





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN065017.D

Acq: 9 Dec 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

PB133473ZHE#18

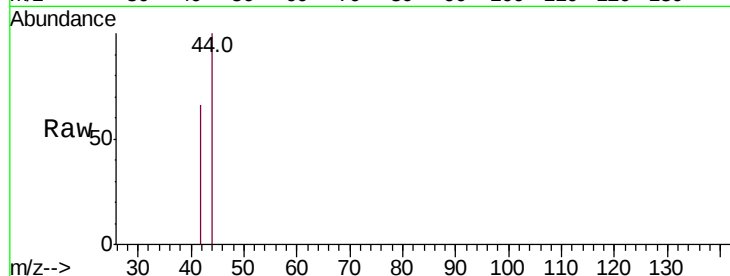
Tot Ion: 42 Resp: 144

Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

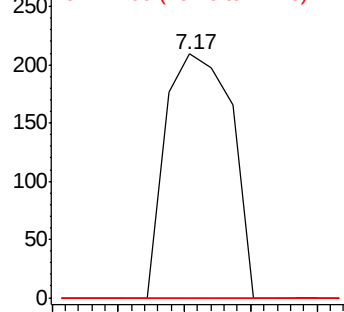
71 0.0 33.6 50.4#



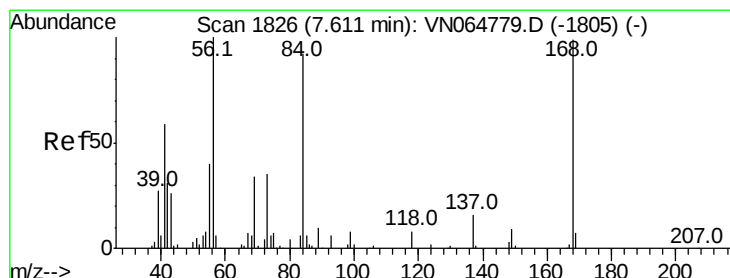
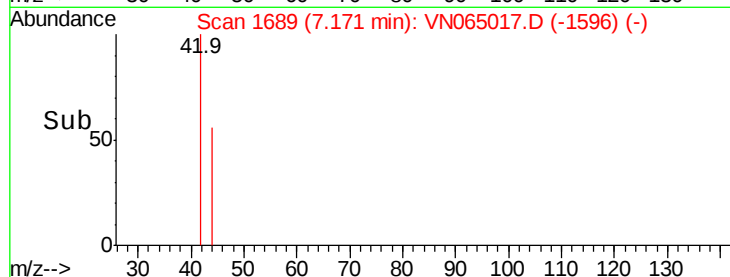
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.15 7.16 7.17 7.18 7.19



#31

Cyclohexane

Concen: 1.028 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN065017.D

Acq: 9 Dec 2020 13:49

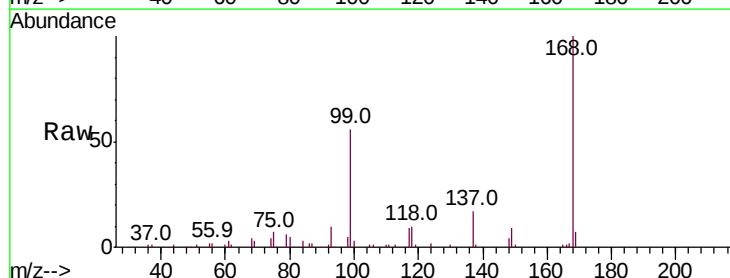
Tgt Ion: 56 Resp: 2695

Ion Ratio Lower Upper

56 100

69 148.0 27.5 41.3#

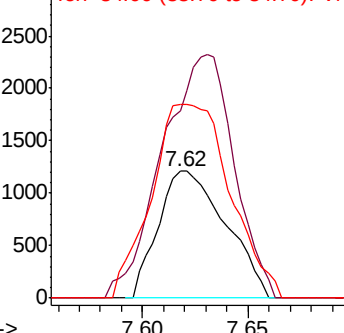
84 139.7 73.9 110.9#



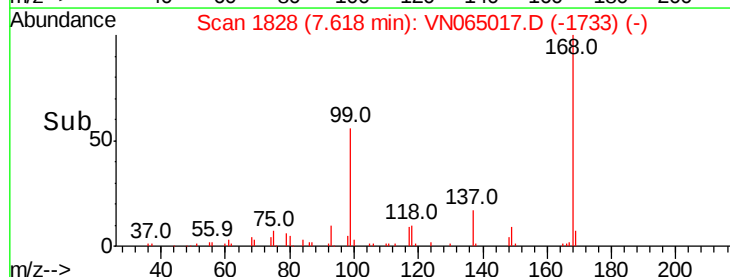
Abundance Ion 56.00 (55.70 to 56.70): VN0

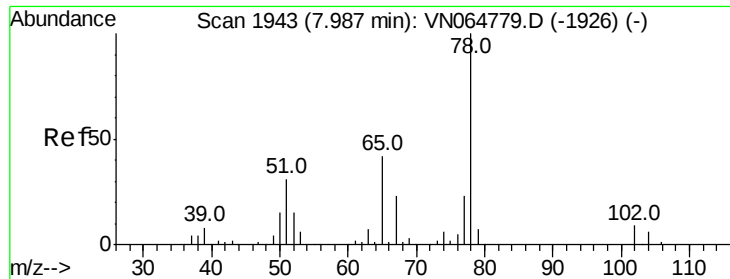
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time--> 7.60 7.65

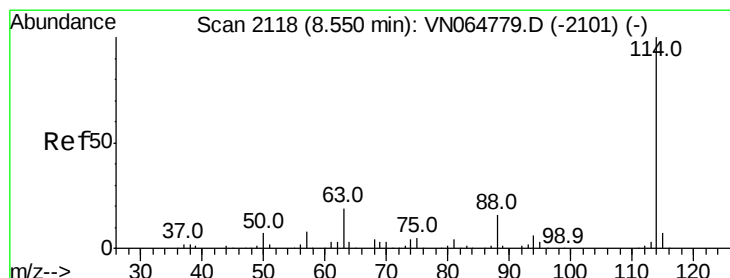
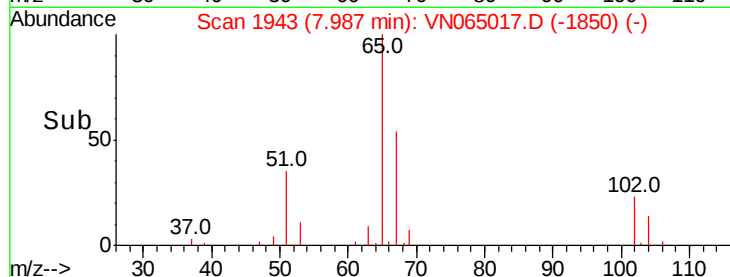
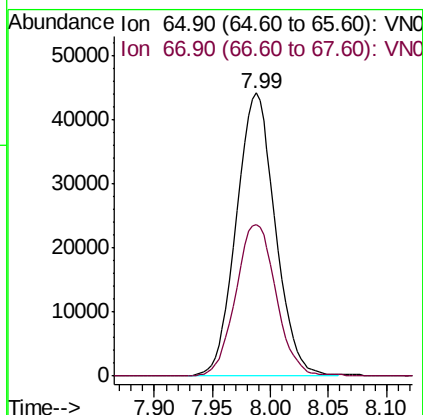
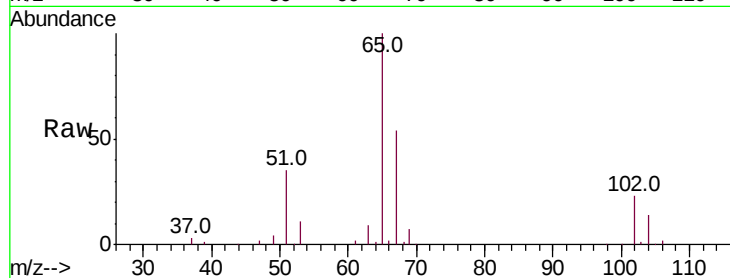




#33
 1,2-Dichloroethane-d4
 Concen: 54.913 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN065017.D
 Acq: 9 Dec 2020 13:49

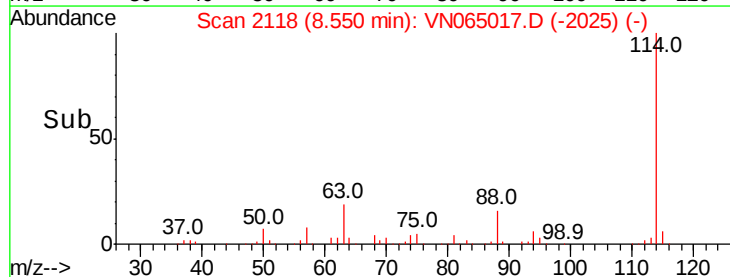
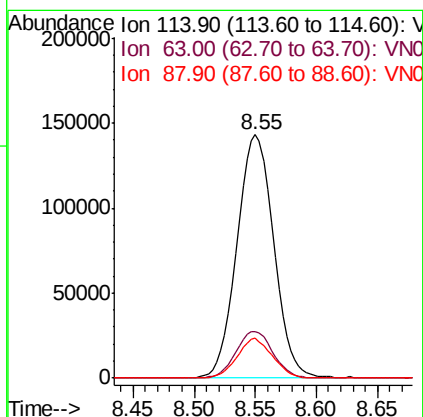
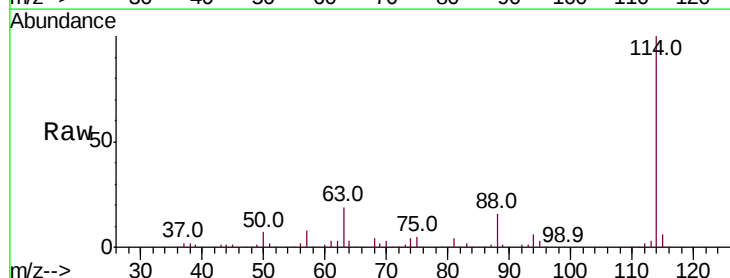
Instrument :
 MSVOA_N
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 PB133473ZHE#18

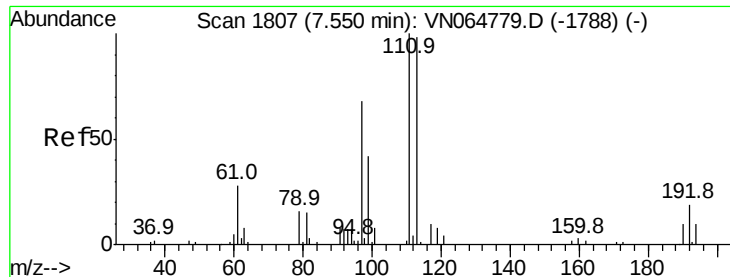
Tot Ion: 65 Resp: 103278
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065017.D
 Acq: 9 Dec 2020 13:49

Tgt Ion: 114 Resp: 299010
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 16.3 0.0 32.6

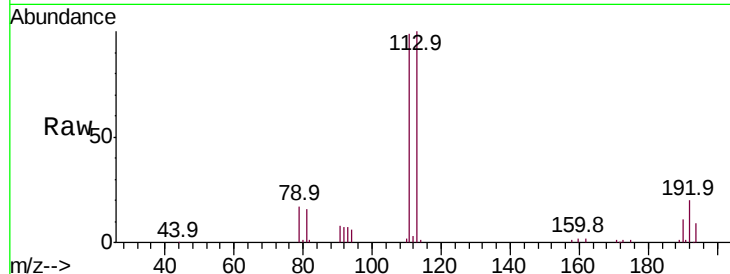




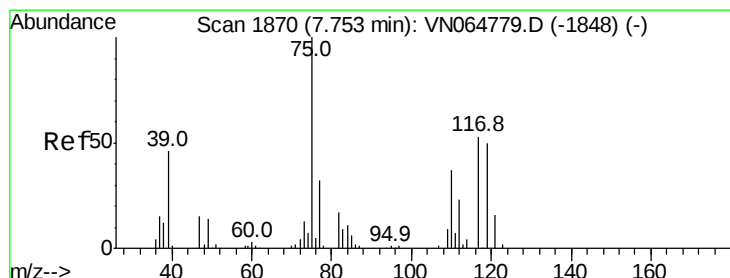
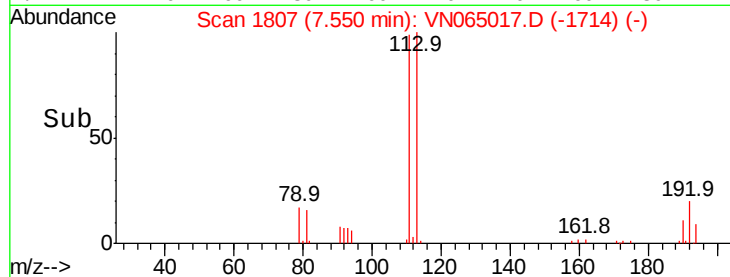
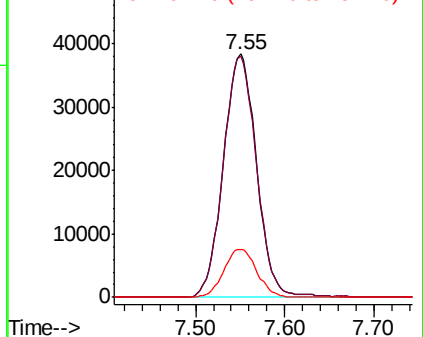
#35
 Dibromofluoromethane
 Concen: 55.165 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN065017.D
 Acq: 9 Dec 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#18

Tot Ion:113 Resp: 98700
 Ion Ratio Lower Upper
 113 100
 111 99.5 81.6 122.4
 192 19.6 16.2 24.2

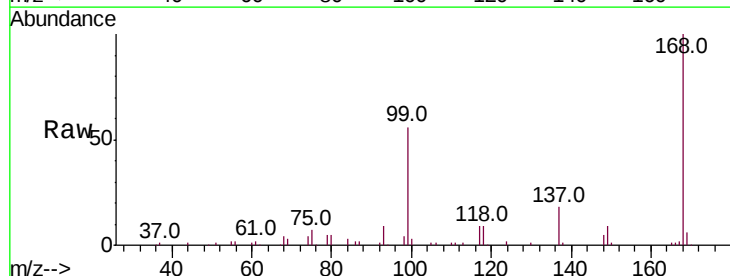


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

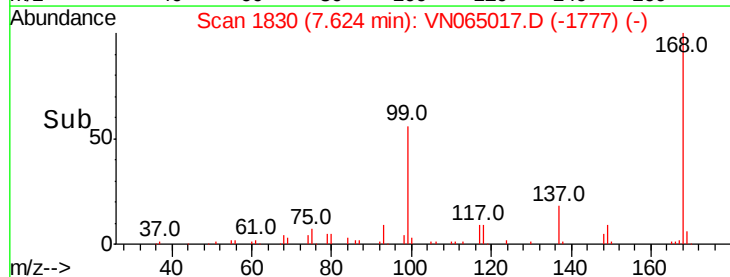
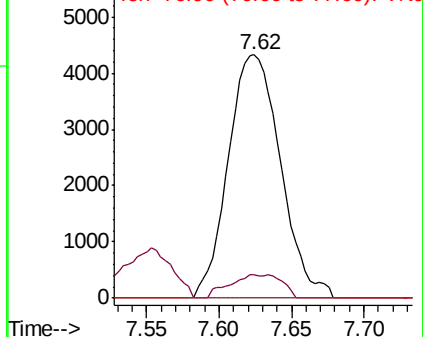


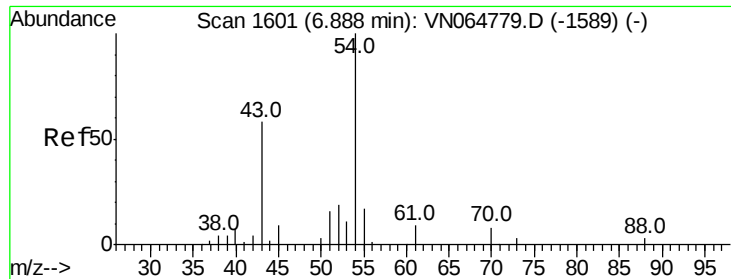
#36
 1,1-Dichloropropene
 Concen: 3.910 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN065017.D
 Acq: 9 Dec 2020 13:49

Tgt Ion: 75 Resp: 10836
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.8 53.3#
 77 0.0 25.0 37.4#



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

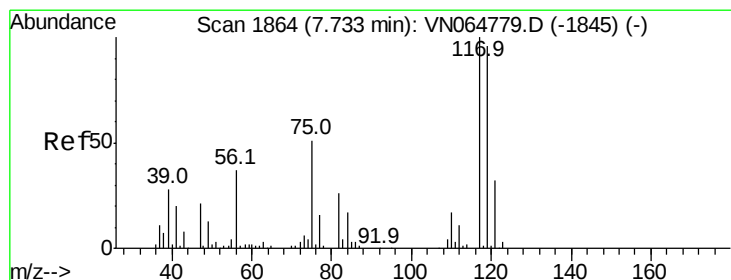
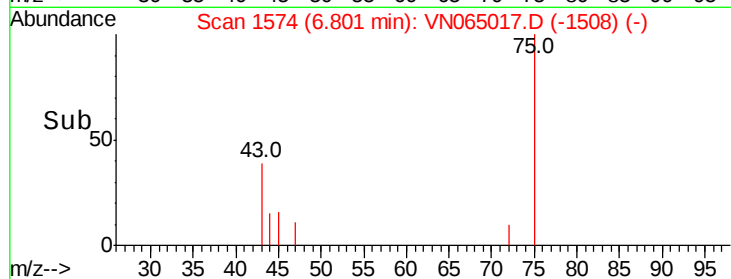
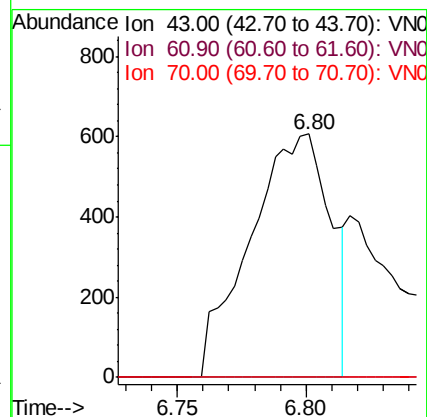
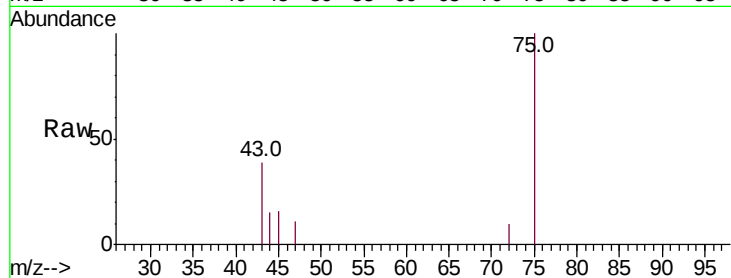




#37
Ethyl Acetate
Concen: 0.496 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. -0.09 min
Lab File: VN065017.D
Acq: 9 Dec 2020 13:49

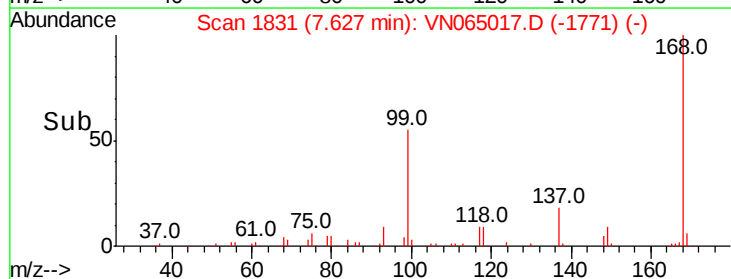
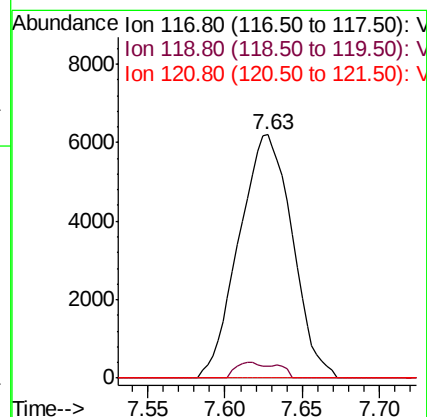
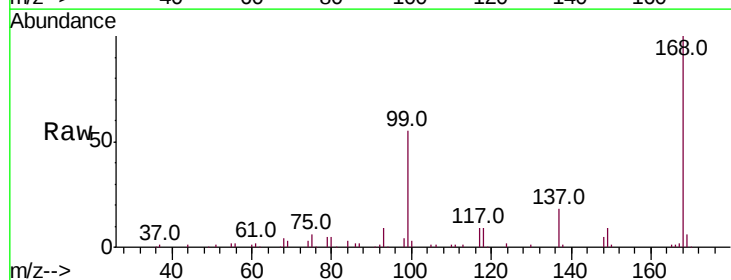
Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#18

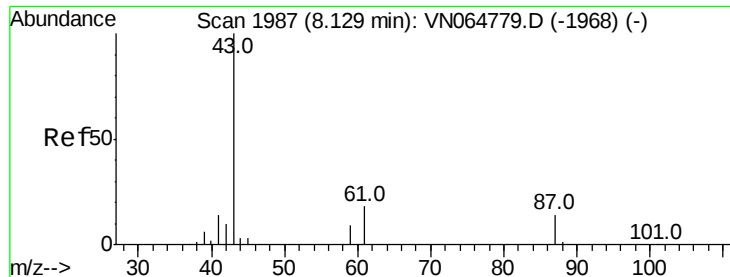
Tot Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.153 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN065017.D
Acq: 9 Dec 2020 13:49

Tgt Ion: 117 Resp: 14861
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 25.4 38.2#





#43

Isopropyl Acetate

Concen: 1.192 ug/l

RT: 8.20 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN065017.D

Acq: 9 Dec 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

PB133473ZHE#18

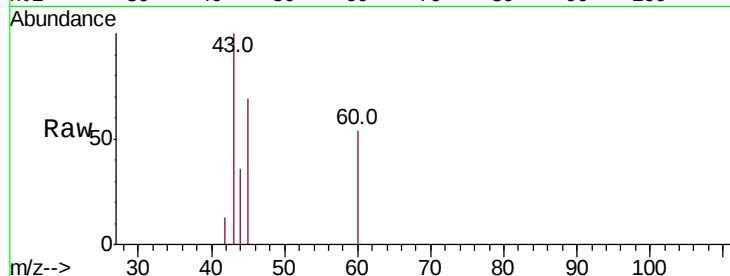
Tot Ion: 43 Resp: 5119

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

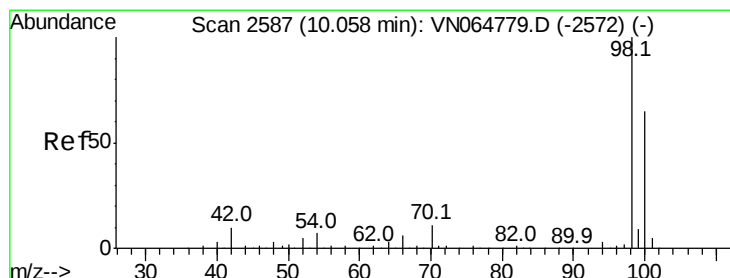
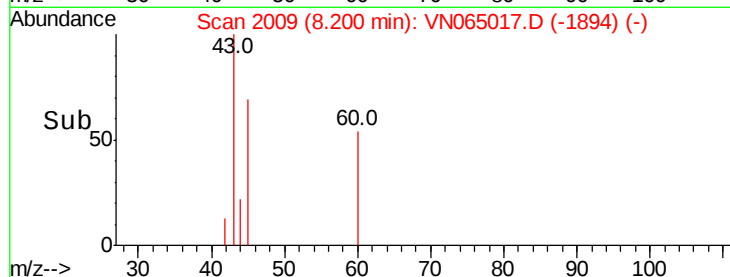
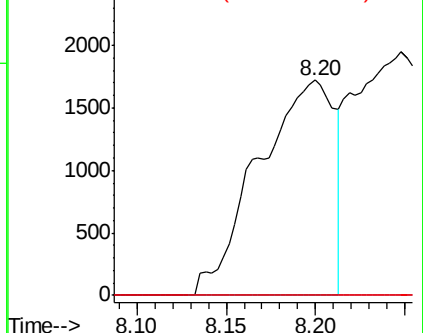
87 0.0 11.4 17.0#



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

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

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



#50

Toluene-d8

Concen: 51.167 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065017.D

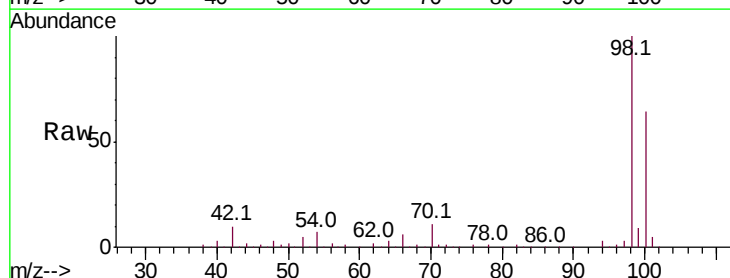
Acq: 9 Dec 2020 13:49

Tgt Ion: 98 Resp: 374057

Ion Ratio Lower Upper

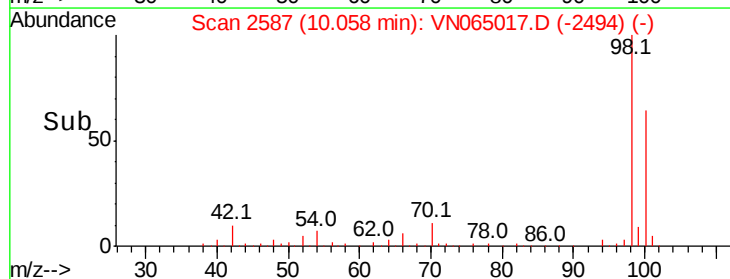
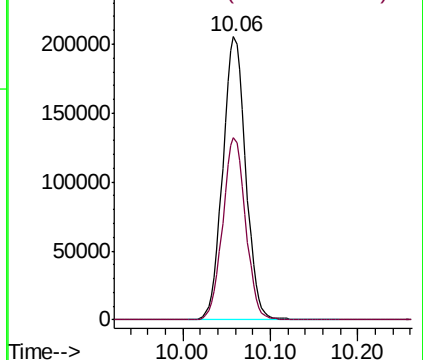
98 100

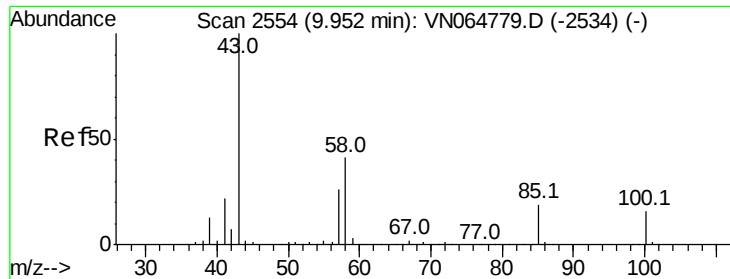
100 64.1 51.7 77.5



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

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





#51

4-Methyl-2-Pentanone

Concen: 0.364 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN065017.D

Acq: 9 Dec 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

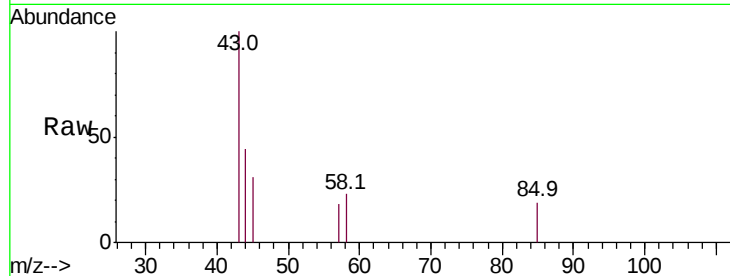
PB133473ZHE#18

Tot Ion: 43 Resp: 938

Ion Ratio Lower Upper

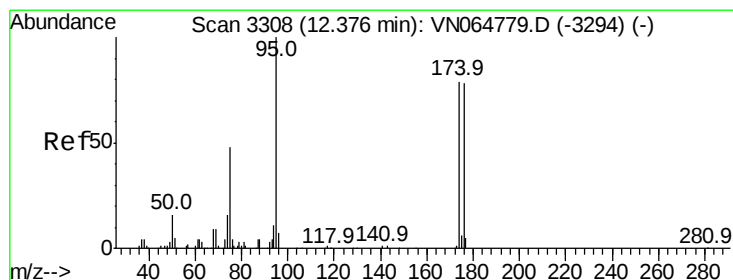
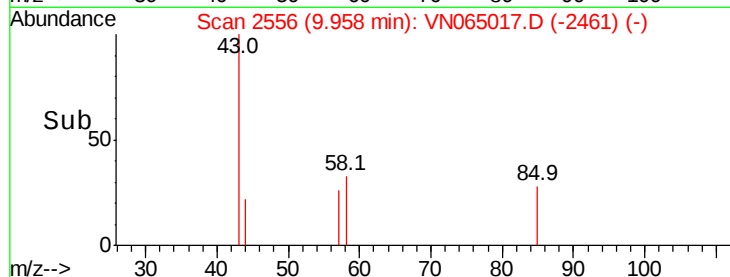
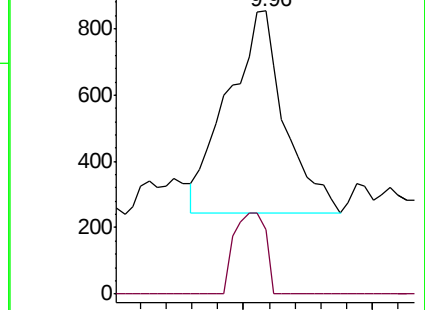
43 100

58 22.1 32.4 48.6#



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

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



#62

4-Bromofluorobenzene

Concen: 53.655 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065017.D

Acq: 9 Dec 2020 13:49

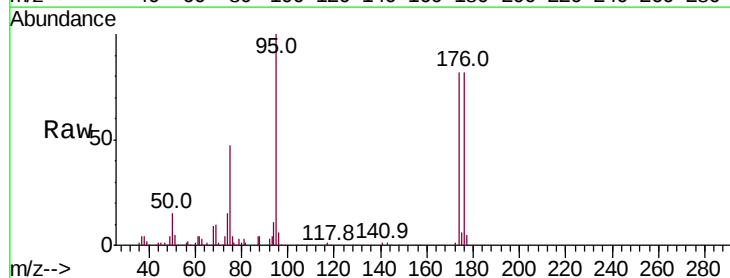
Tgt Ion: 95 Resp: 140376

Ion Ratio Lower Upper

95 100

174 81.5 0.0 160.4

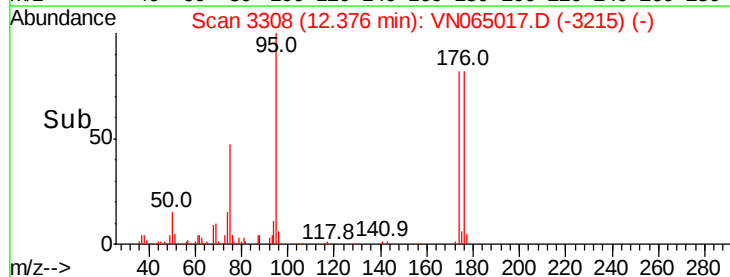
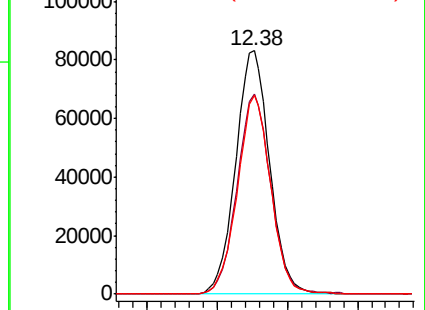
176 80.3 0.0 158.4

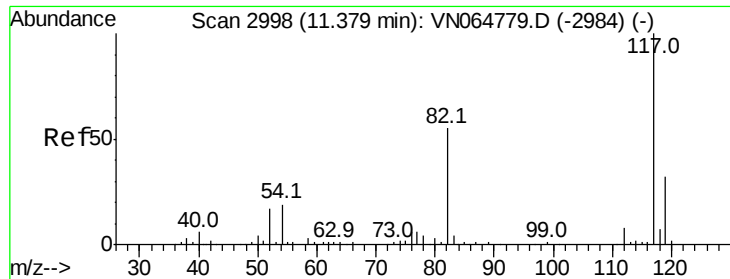


Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

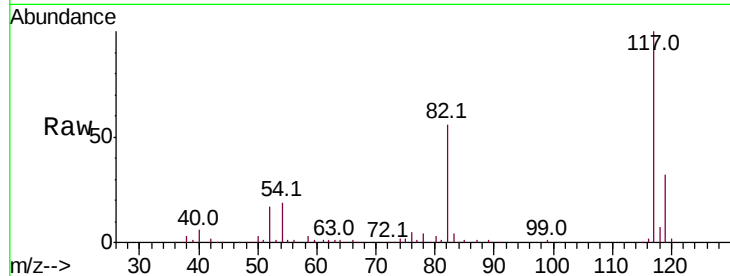




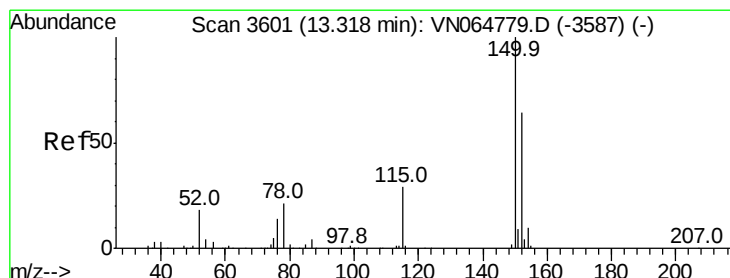
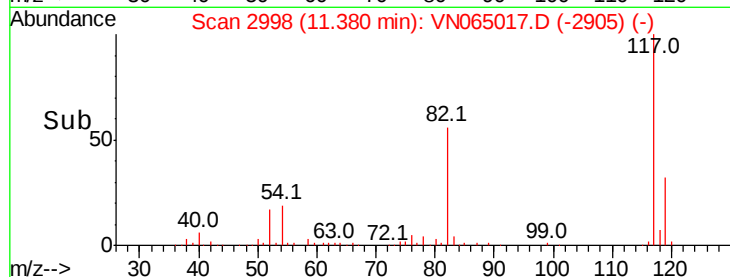
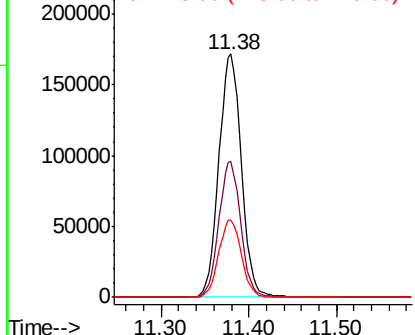
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065017.D
Acq: 9 Dec 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#18

Tot Ion:117 Resp: 306341
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 31.8 25.8 38.6

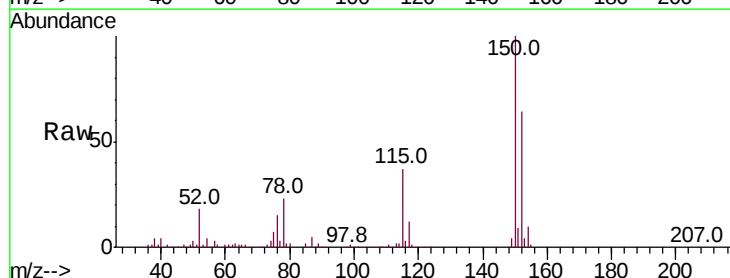


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

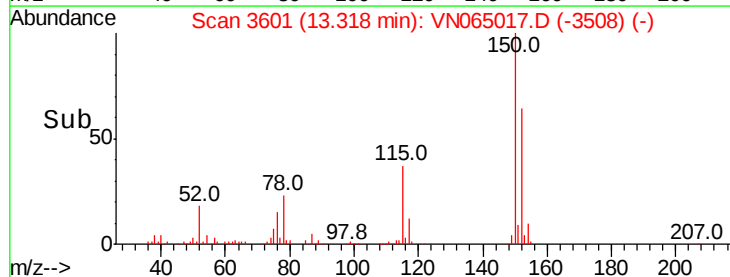
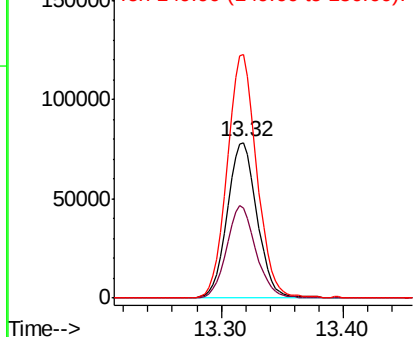


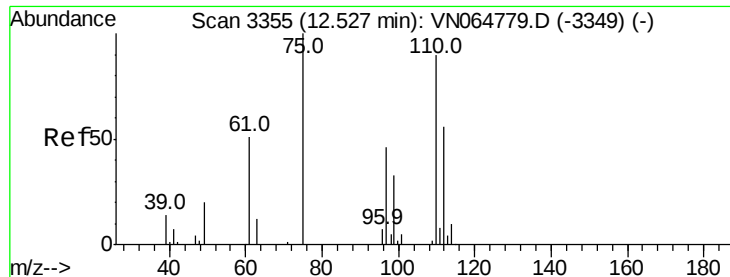
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN065017.D
Acq: 9 Dec 2020 13:49

Tgt Ion:152 Resp: 133699
Ion Ratio Lower Upper
152 100
115 58.4 29.7 89.1
150 156.0 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





#76

1,2,3-Trichloropropane

Concen: 23.118 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN065017.D

Acq: 9 Dec 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

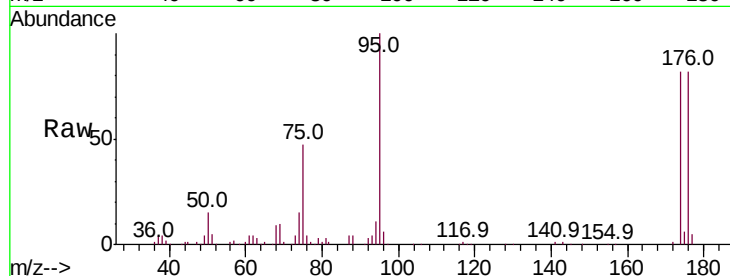
PB133473ZHE#18

Tot Ion: 75 Resp: 66565

Ion Ratio Lower Upper

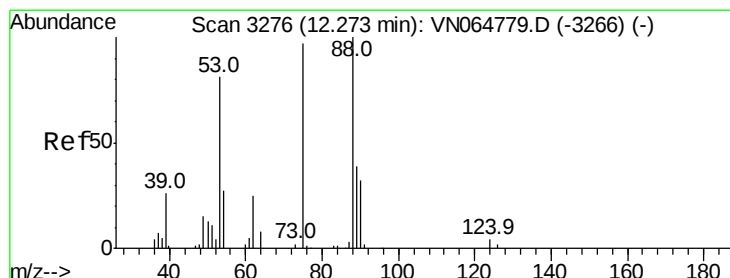
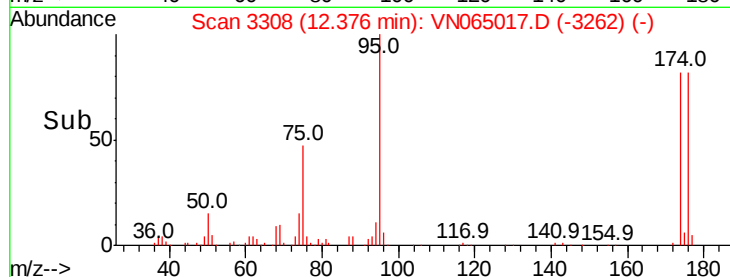
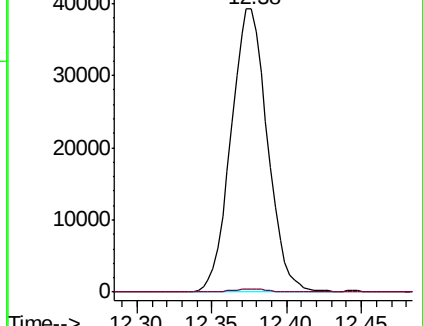
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3349) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 63.362 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN065017.D

Acq: 9 Dec 2020 13:49

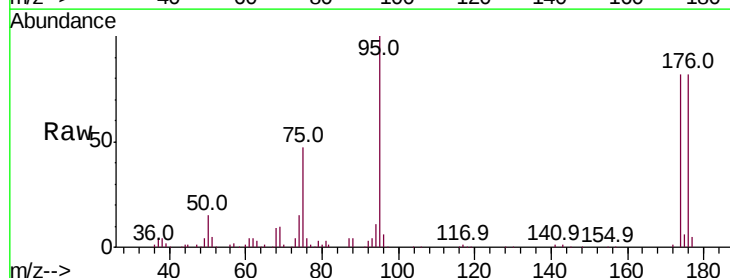
Tgt Ion: 75 Resp: 66565

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064779.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064779.D (-3266) (-)

