

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065019.D
 Acq On : 9 Dec 2020 14:38
 Operator : JC/MD
 Sample : PB133473ZHE#20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#20

Quant Time: Dec 10 04:07:50 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	163953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	303299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	310606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	133025	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	106136	55.68	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.36%	
35) Dibromofluoromethane		7.55	113	97763	53.87	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.74%	
50) Toluene-d8		10.06	98	378724	51.07	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.14%	
62) 4-Bromofluorobenzene		12.38	95	141162	53.19	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.38%	

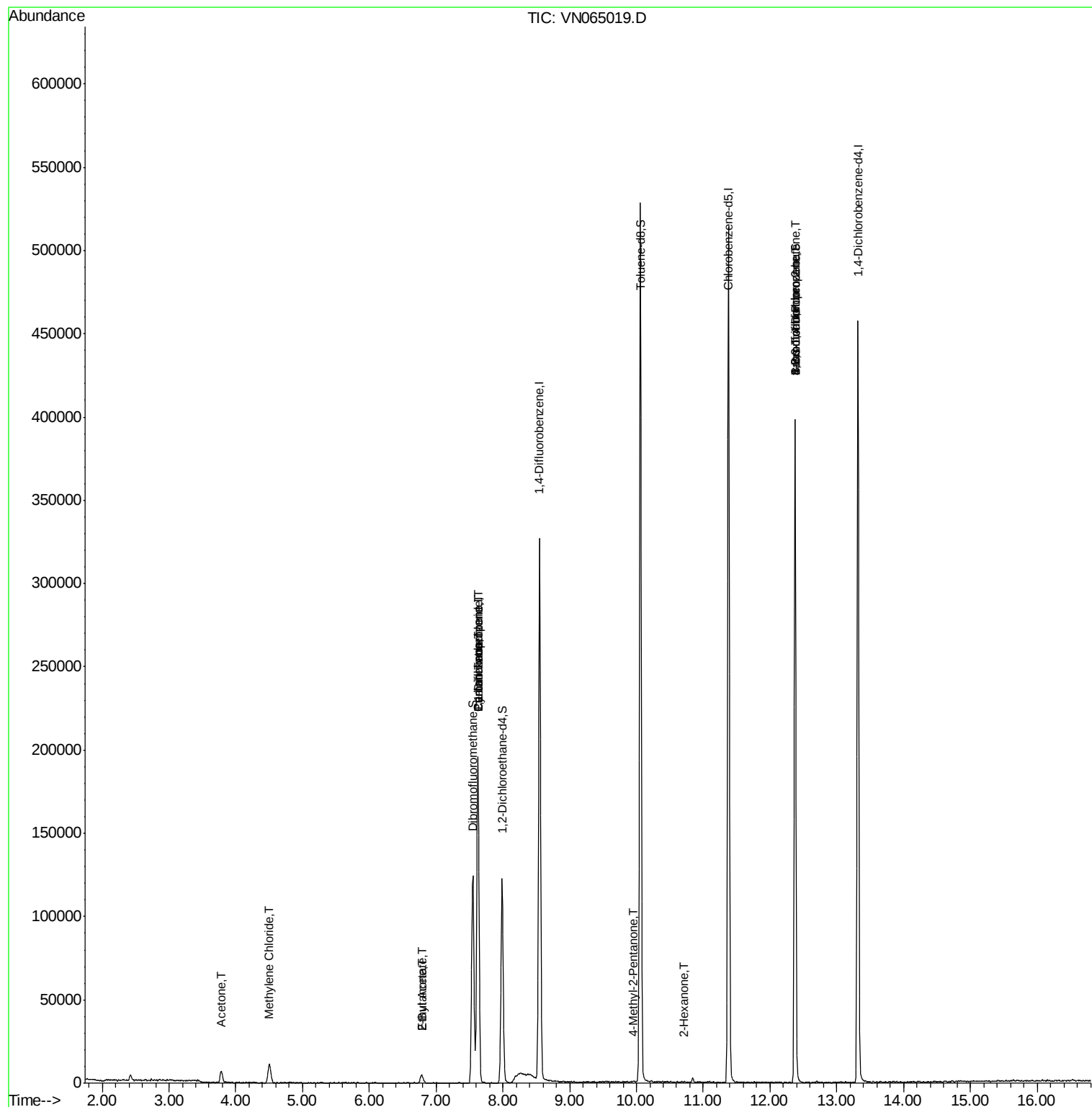
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	11105	17.723	ug/l	97
20) Methylene Chloride	4.50	84	8980	4.574	ug/l	94
25) 2-Butanone	6.79	43	2101	2.069	ug/l	96
31) Cyclohexane	7.63	56	3062	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11690	4.158	ug/l #	48
37) Ethyl Acetate	6.79	43	2101	0.776	ug/l #	66
38) Carbon Tetrachloride	7.62	117	15599	5.333	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	1030	0.394	ug/l #	35
59) 2-Hexanone	10.72	43	742	0.394	ug/l #	23
71) Bromoform	12.38	173	1231	0.629	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	66440	23.192	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66440	63.563	ug/l #	15

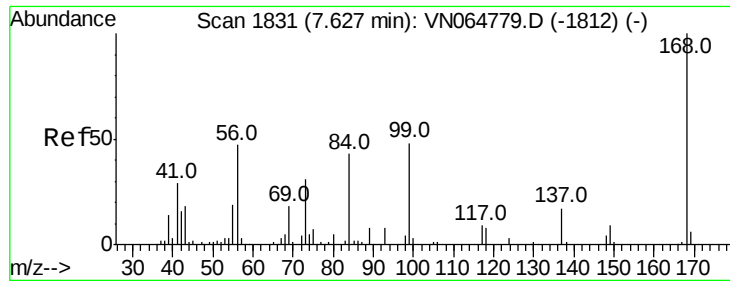
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN065019.D

Acq: 9 Dec 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

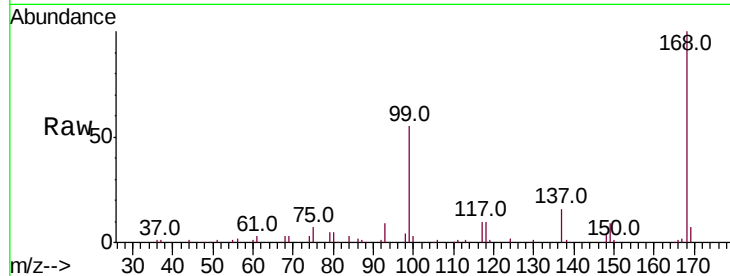
PB133473ZHE#20

Tot Ion:168 Resp: 163953

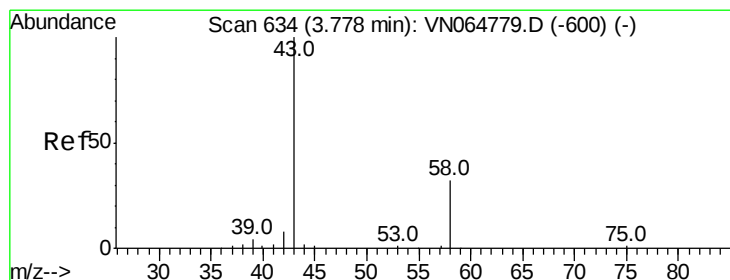
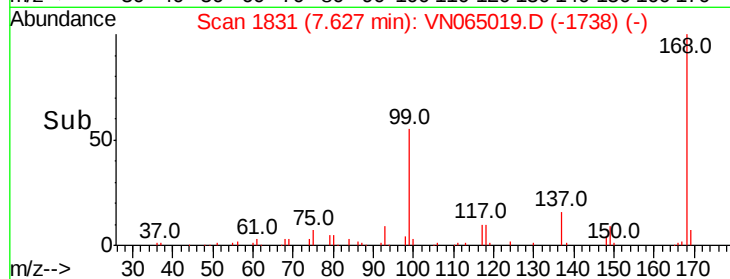
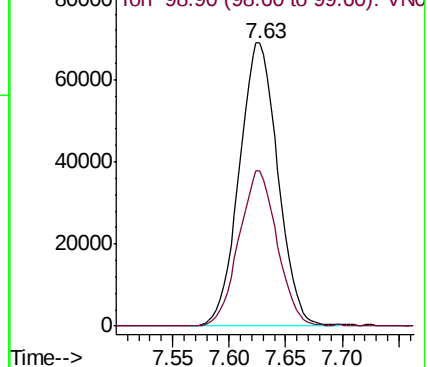
Ion Ratio Lower Upper

168 100

99 55.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)



#16

Acetone

Concen: 17.723 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN065019.D

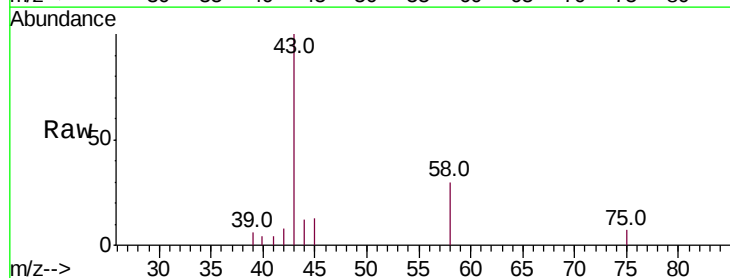
Acq: 9 Dec 2020 14:38

Tgt Ion: 43 Resp: 11105

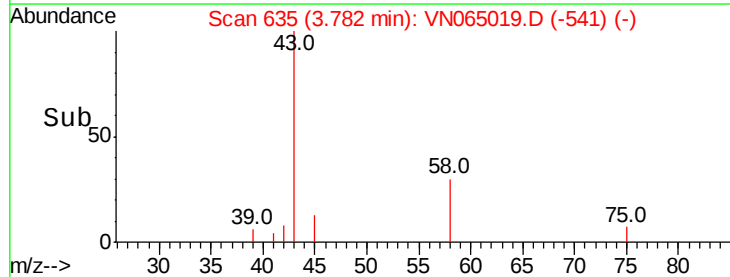
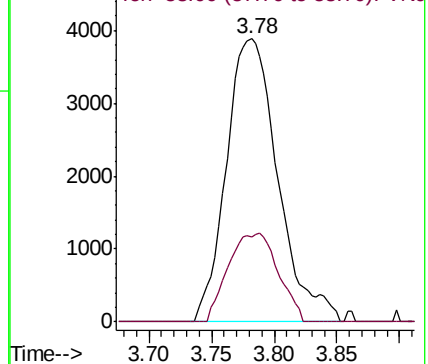
Ion Ratio Lower Upper

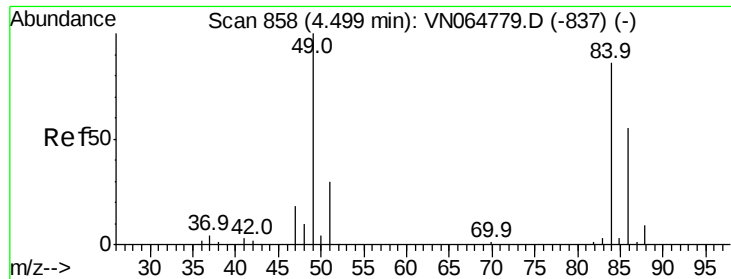
43 100

58 30.2 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-600) (-)



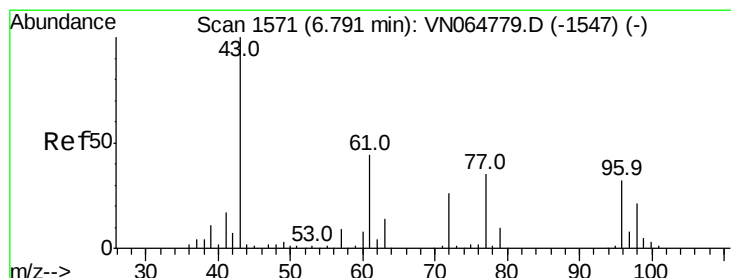
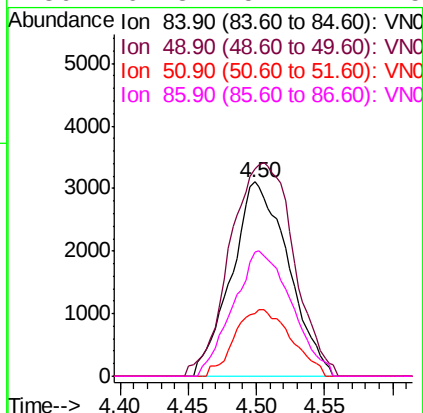
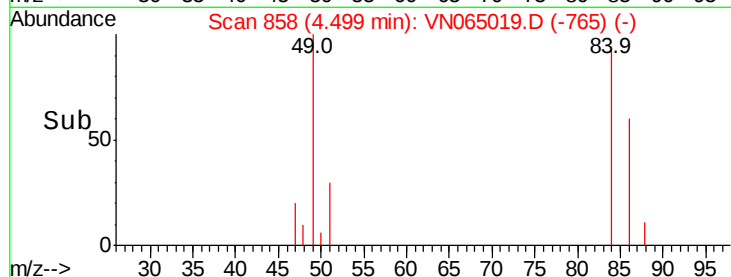
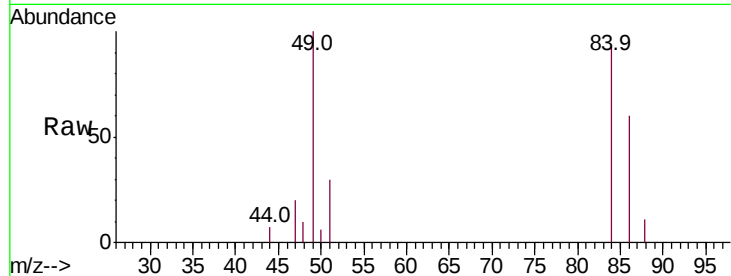


#20
Methvlene Chloride
Concen: 4.574 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN065019.D
Acq: 9 Dec 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#20

Tot Ion: 84 Resp: 8980

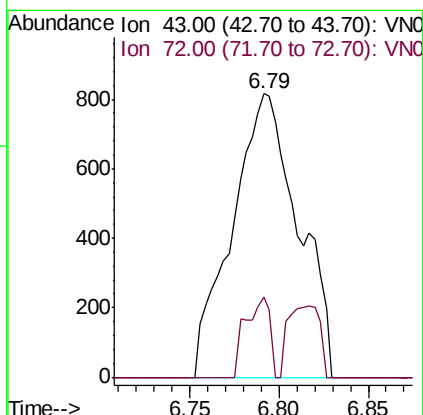
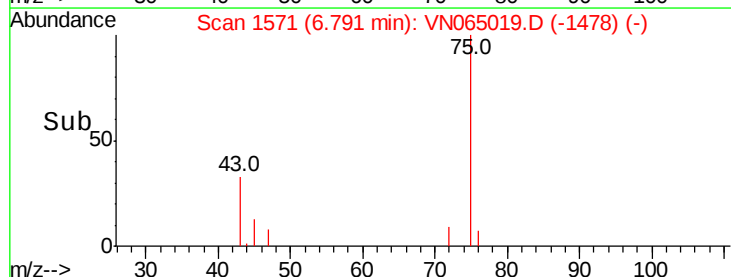
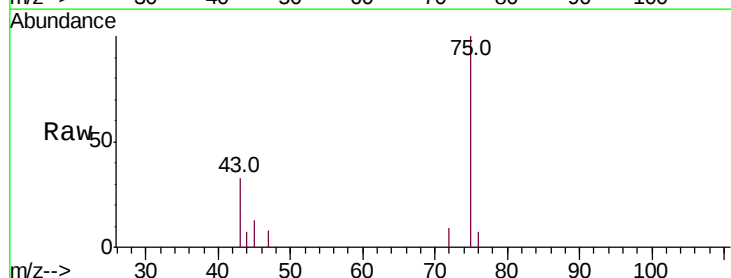
Ion	Ratio	Lower	Upper
84	100		
49	107.0	93.4	140.0
51	32.2	28.2	42.4
86	64.3	51.7	77.5

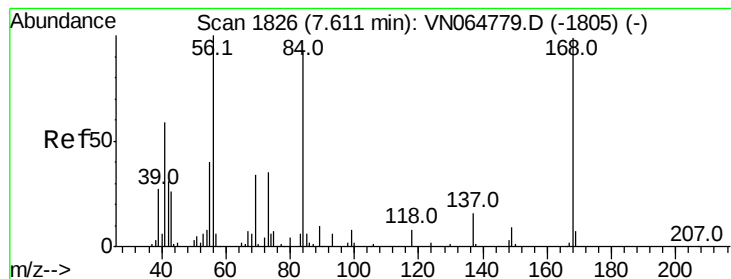


#25
2-Butanone
Concen: 2.069 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN065019.D
Acq: 9 Dec 2020 14:38

Tgt Ion: 43 Resp: 2101

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.0	31.6





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN065019.D

Acq: 9 Dec 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB133473ZHE#20

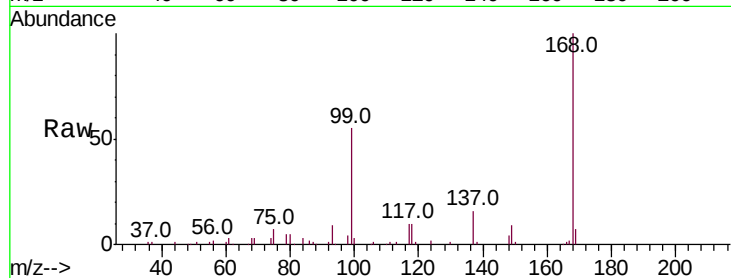
Tot Ion: 56 Resp: 3062

Ion Ratio Lower Upper

56 100

69 165.6 27.5 41.3#

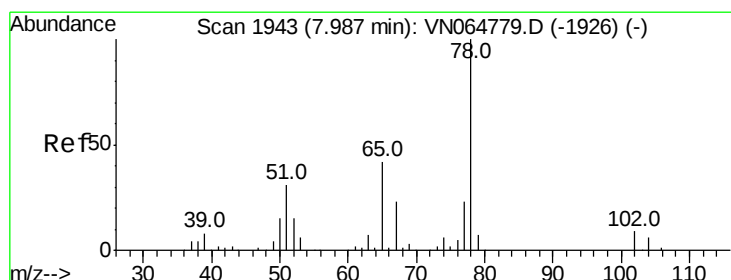
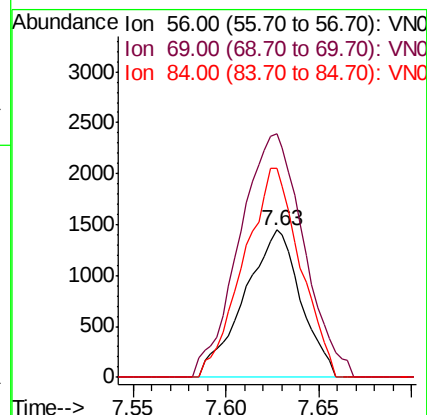
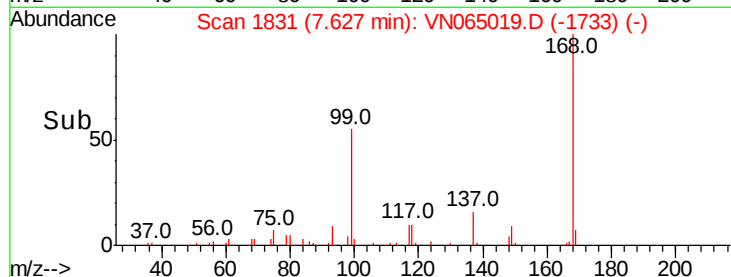
84 142.3 73.9 110.9#



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



#33

1,2-Dichloroethane-d4

Concen: 55.683 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN065019.D

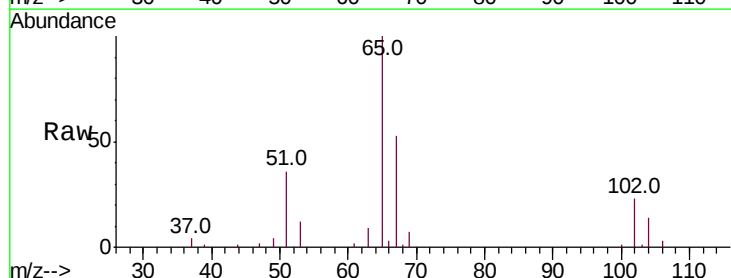
Acq: 9 Dec 2020 14:38

Tgt Ion: 65 Resp: 106136

Ion Ratio Lower Upper

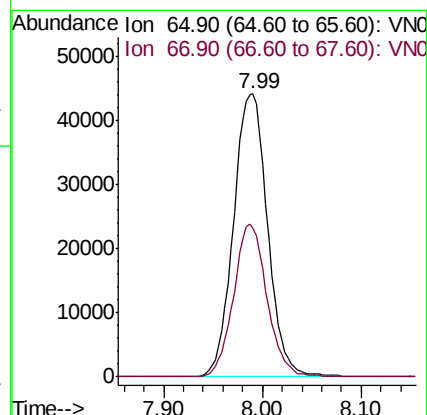
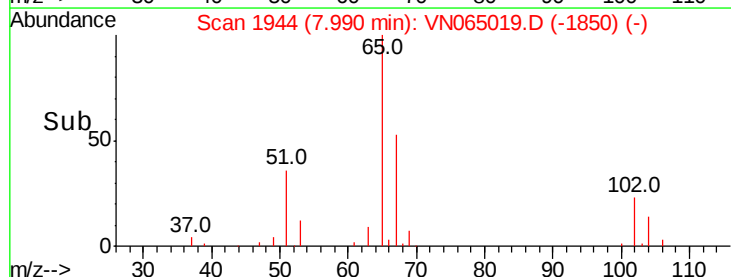
65 100

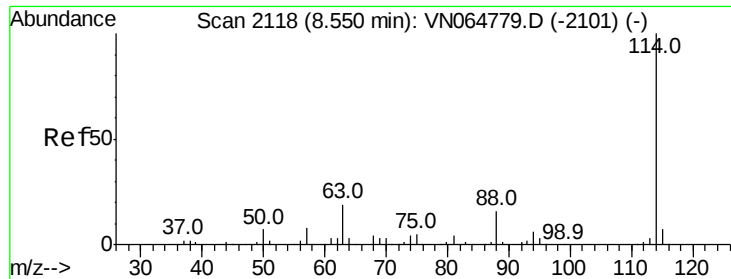
67 52.9 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

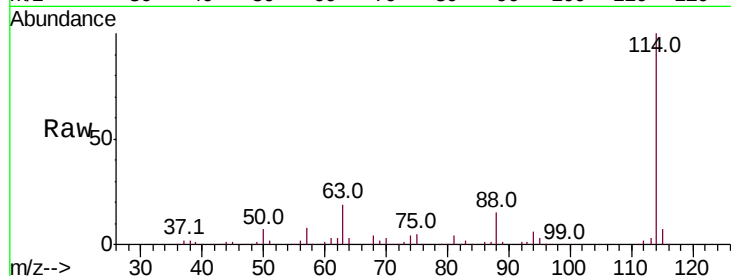




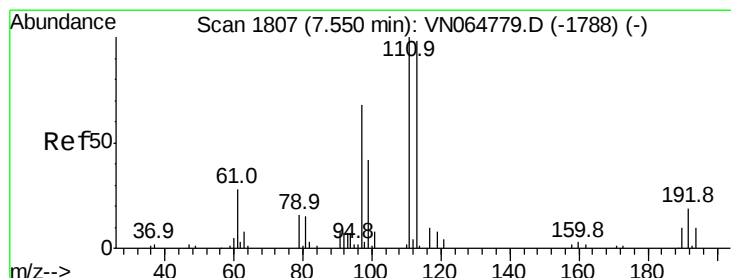
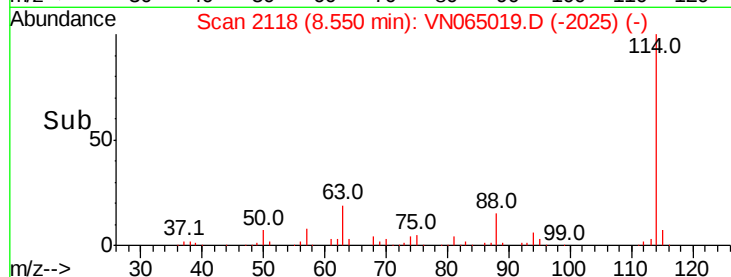
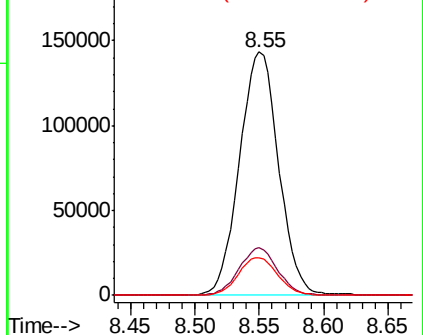
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN065019.D
 Acq: 9 Dec 2020 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#20

Tot Ion:114 Resp: 303299
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.4 0.0 32.6

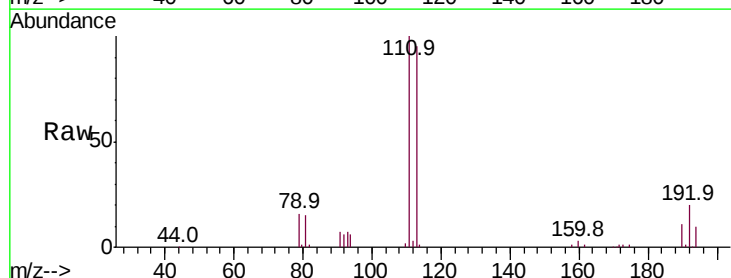


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

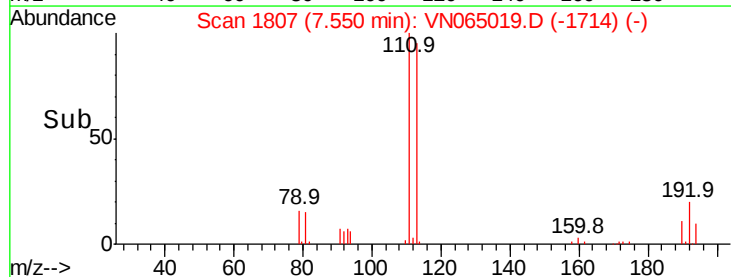
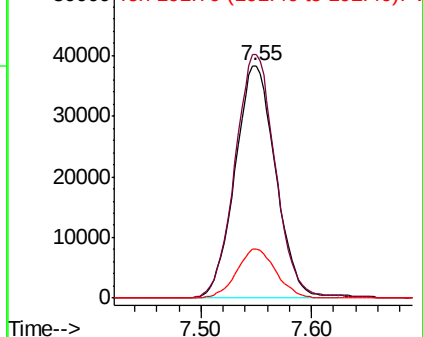


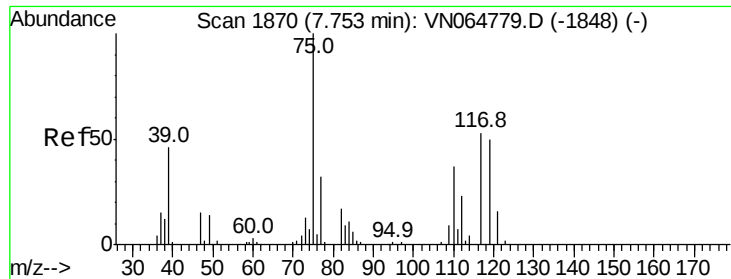
#35
 Dibromofluoromethane
 Concen: 53.869 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN065019.D
 Acq: 9 Dec 2020 14:38

Tgt Ion:113 Resp: 97763
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.6 122.4
 192 20.5 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

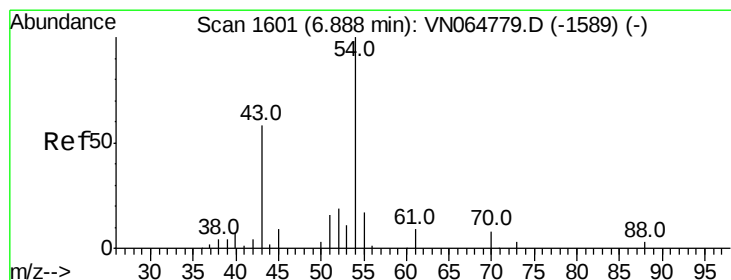
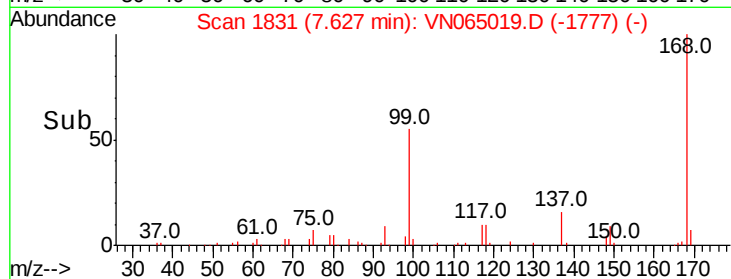
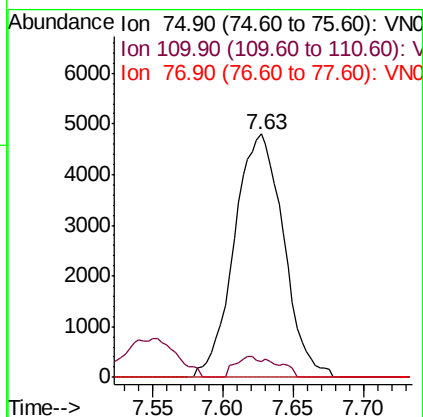
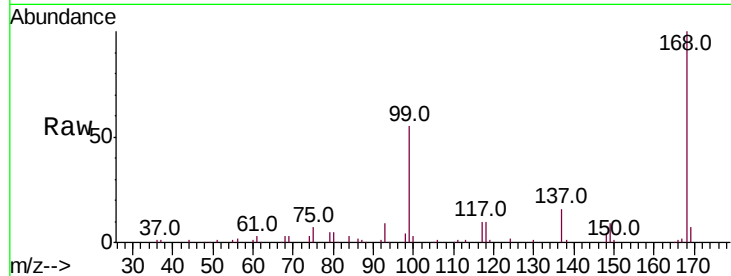




#36
 1,1-Dichloropropene
 Concen: 4.158 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN065019.D
 Acq: 9 Dec 2020 14:38

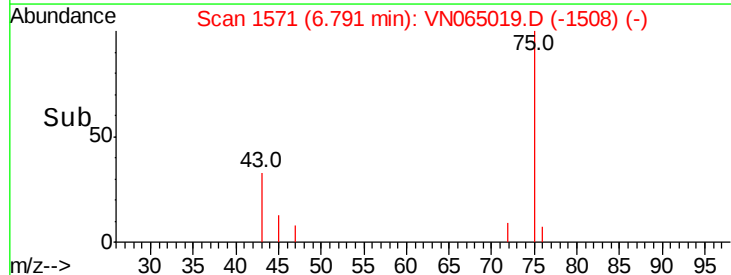
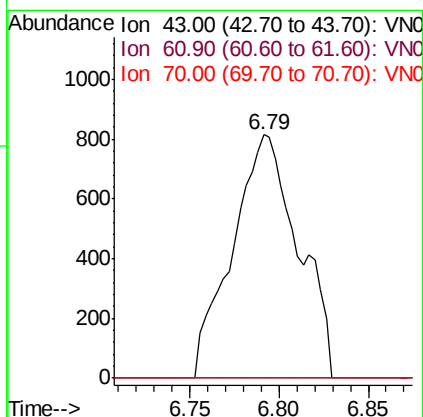
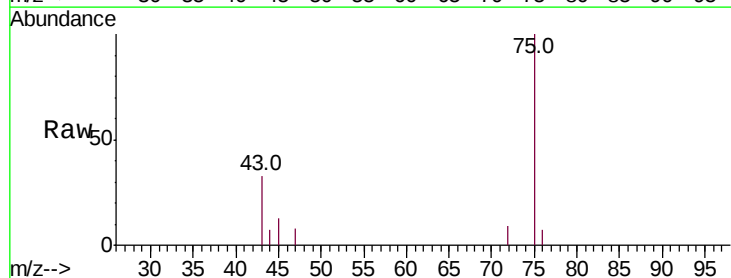
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#20

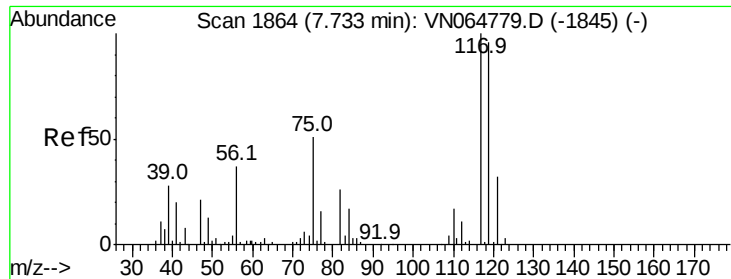
Tot Ion: 75 Resp: 11690
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.8 53.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.776 ug/l
 RT: 6.79 min Scan# 1571
 Delta R.T. -0.10 min
 Lab File: VN065019.D
 Acq: 9 Dec 2020 14:38

Tgt Ion: 43 Resp: 2101
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.8 19.2#
 70 0.0 8.8 13.2#

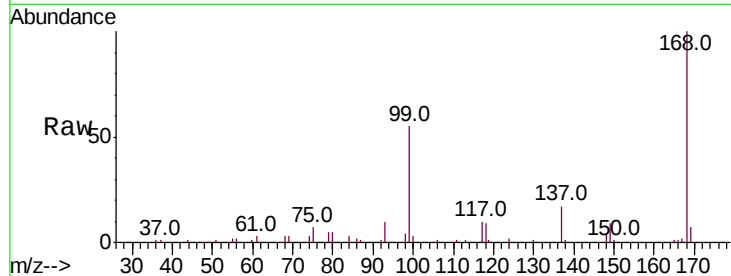




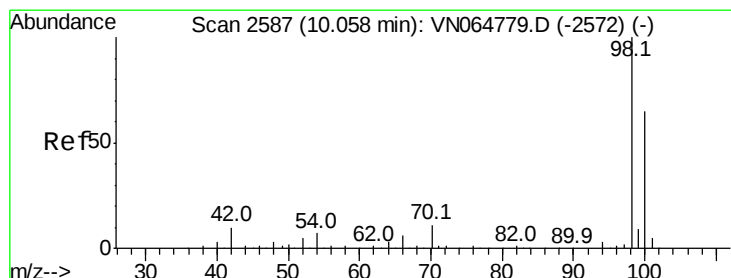
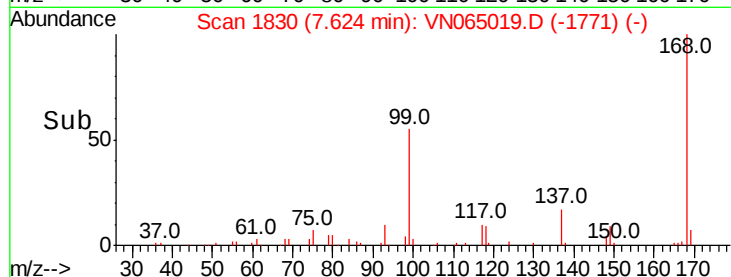
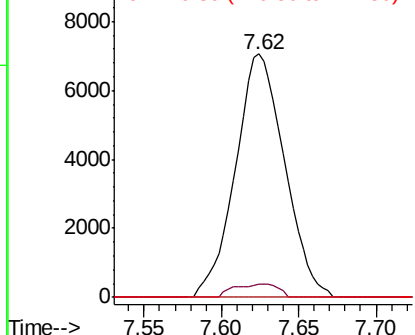
#38
Carbon Tetrachloride
Concen: 5.333 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN065019.D
Acq: 9 Dec 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#20

Tot Ion:117 Resp: 15599
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 25.4 38.2#

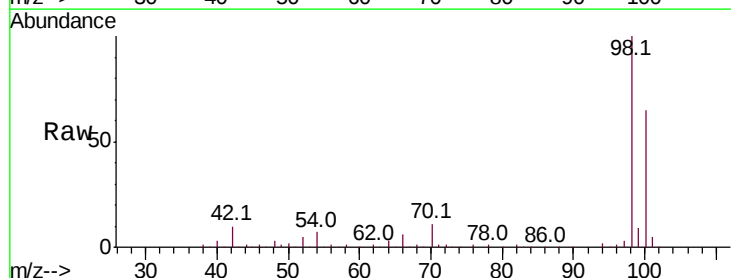


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

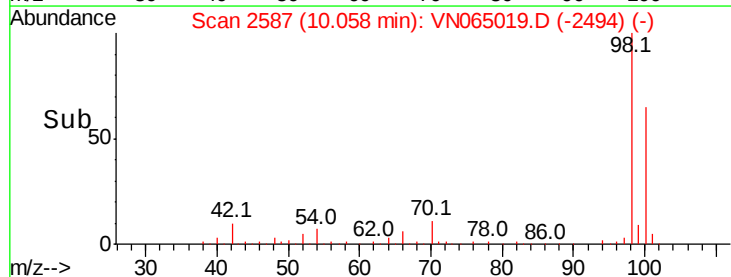
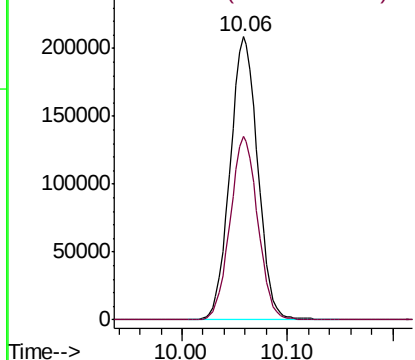


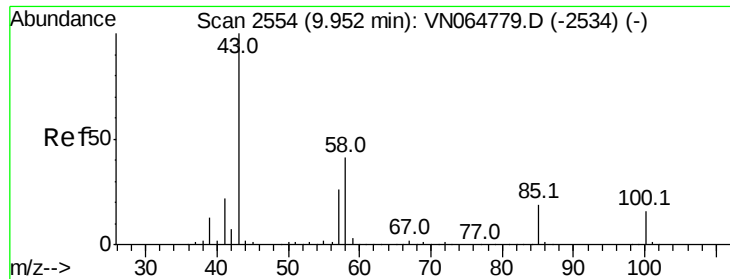
#50
Toluene-d8
Concen: 51.073 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN065019.D
Acq: 9 Dec 2020 14:38

Tgt Ion: 98 Resp: 378724
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.394 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN065019.D

Acq: 9 Dec 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

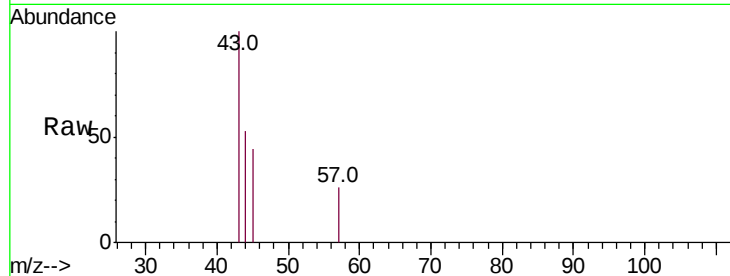
PB133473ZHE#20

Tot Ion: 43 Resp: 1030

Ion Ratio Lower Upper

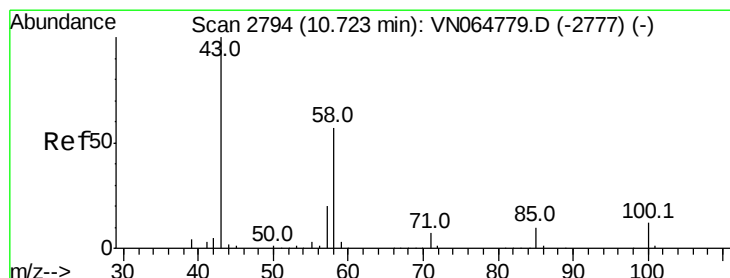
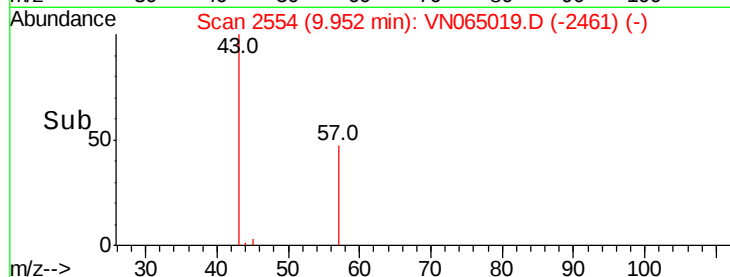
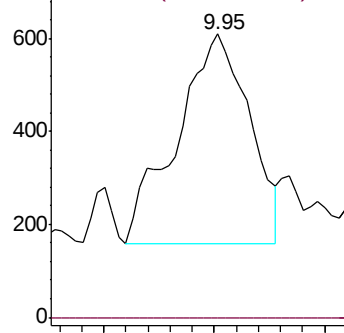
43 100

58 0.0 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.394 ug/l

RT: 10.72 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN065019.D

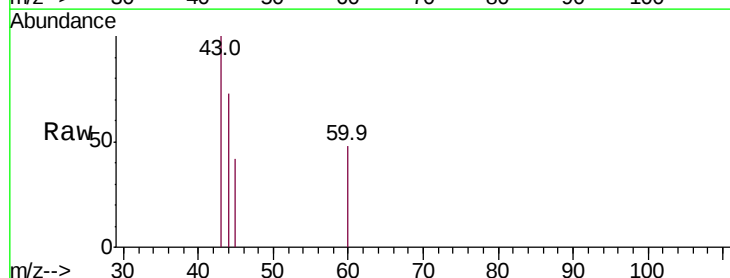
Acq: 9 Dec 2020 14:38

Tgt Ion: 43 Resp: 742

Ion Ratio Lower Upper

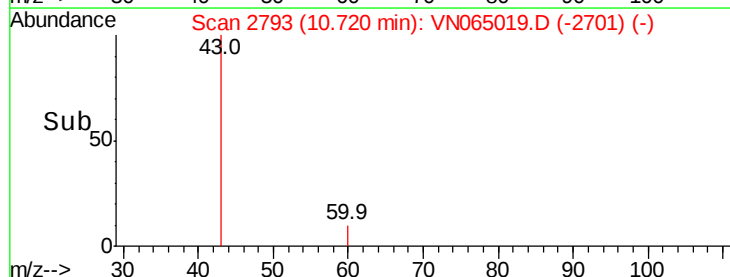
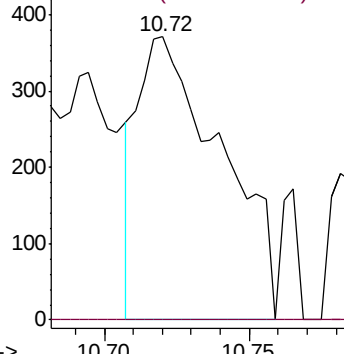
43 100

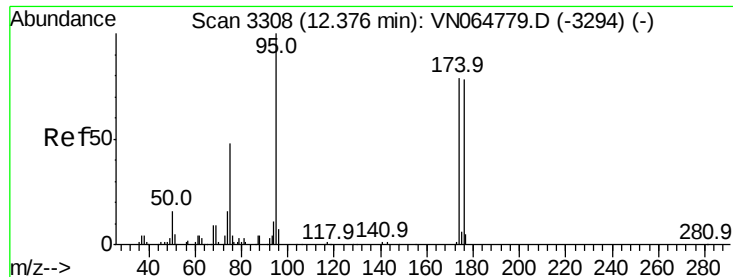
58 0.0 28.3 84.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

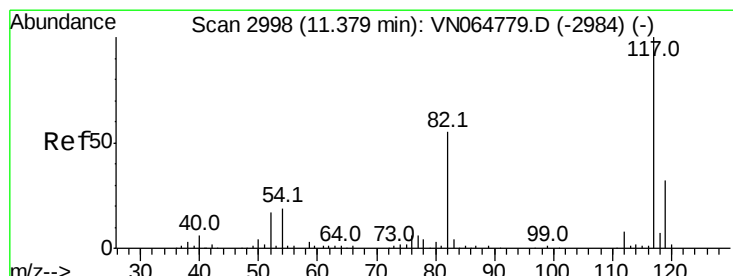
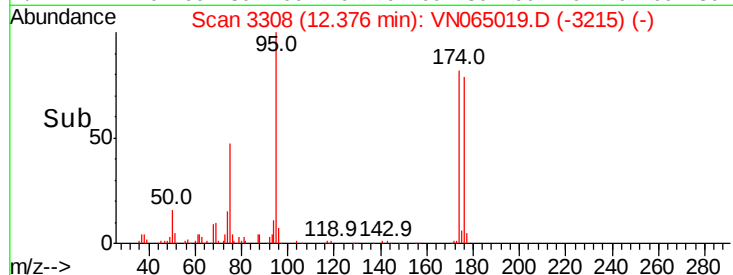
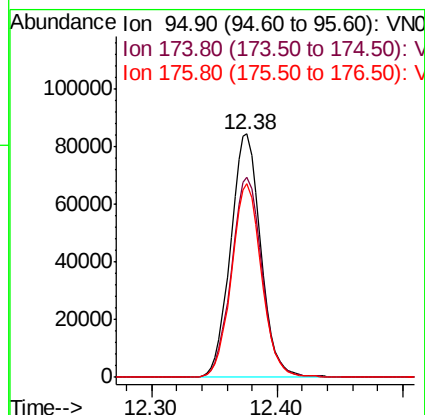
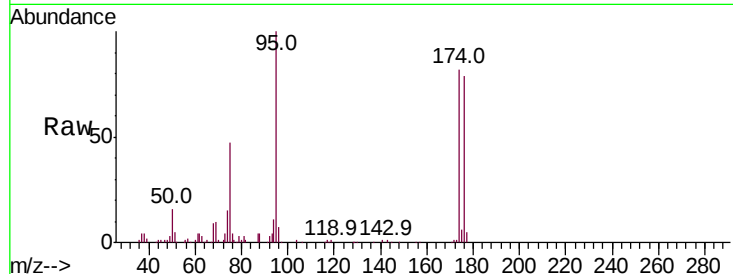




#62
4-Bromofluorobenzene
Concen: 53.192 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN065019.D
Acq: 9 Dec 2020 14:38

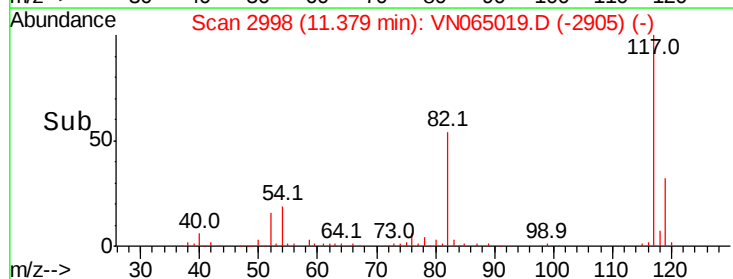
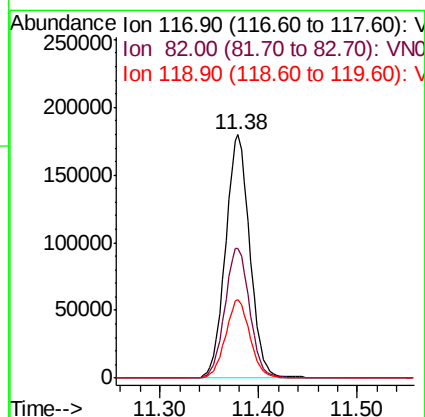
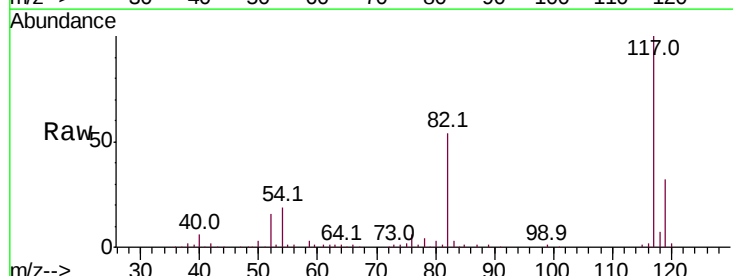
Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#20

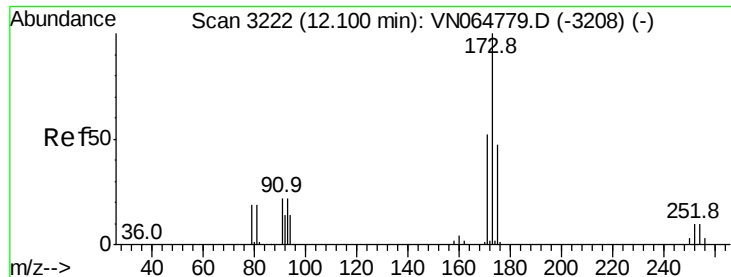
Tot Ion: 95 Resp: 141162
Ion Ratio Lower Upper
95 100
174 83.1 0.0 160.4
176 79.2 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN065019.D
Acq: 9 Dec 2020 14:38

Tgt Ion: 117 Resp: 310606
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 32.4 25.8 38.6

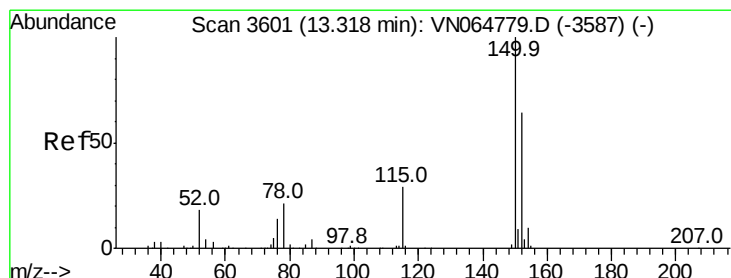
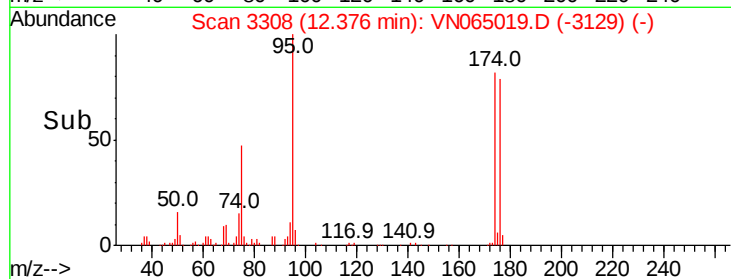
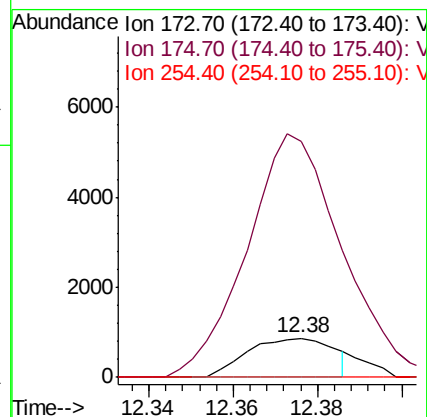
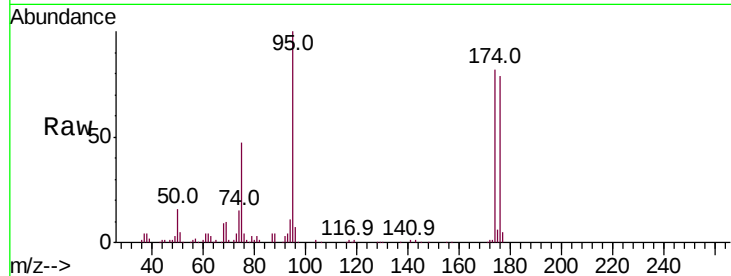




#71
Bromoform
Concen: 0.629 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN065019.D
Acq: 9 Dec 2020 14:38

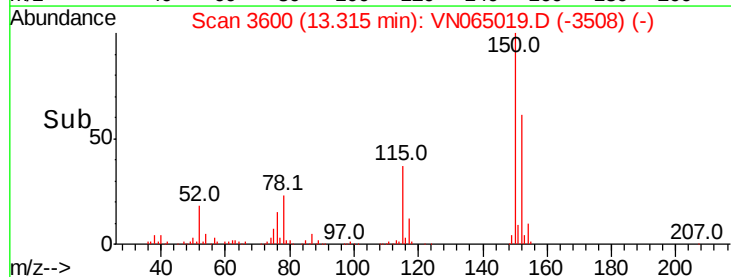
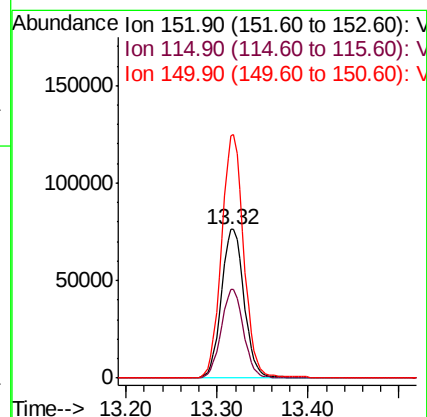
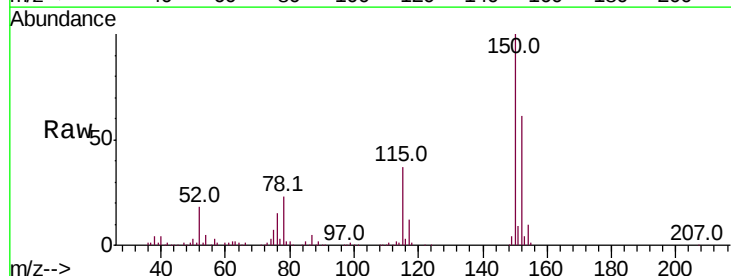
Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#20

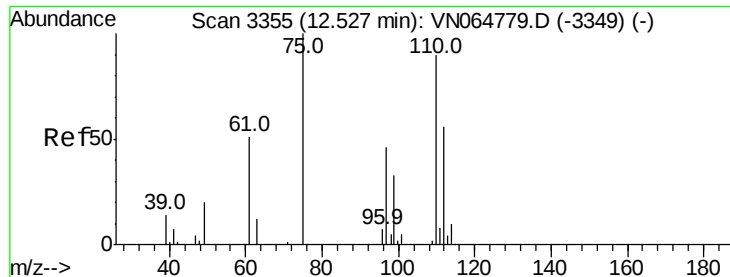
Tot Ion:173 Resp: 1231
Ion Ratio Lower Upper
173 100
175 597.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN065019.D
Acq: 9 Dec 2020 14:38

Tgt Ion:152 Resp: 133025
Ion Ratio Lower Upper
152 100
115 58.3 29.7 89.1
150 159.3 0.0 350.6





#76

1,2,3-Trichloropropane

Concen: 23.192 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN065019.D

Acq: 9 Dec 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

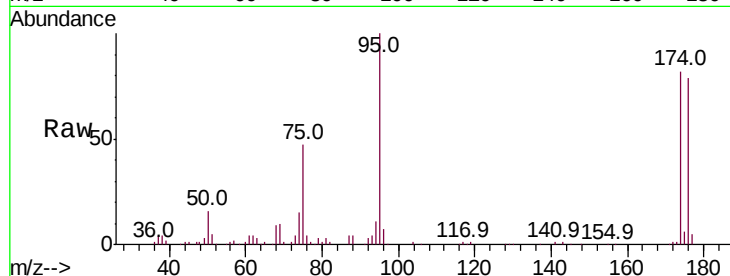
PB133473ZHE#20

Tot Ion: 75 Resp: 66440

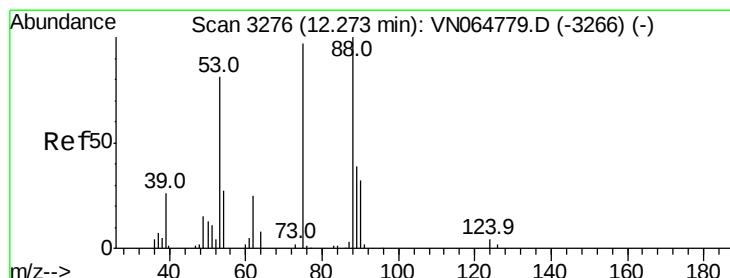
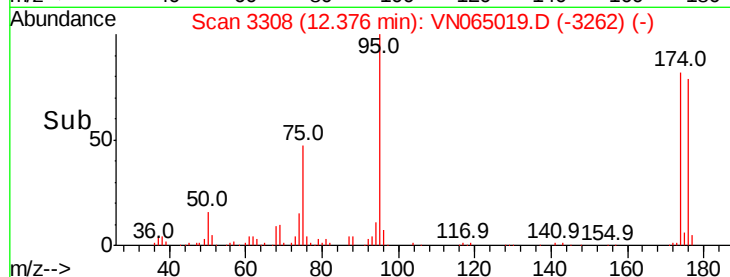
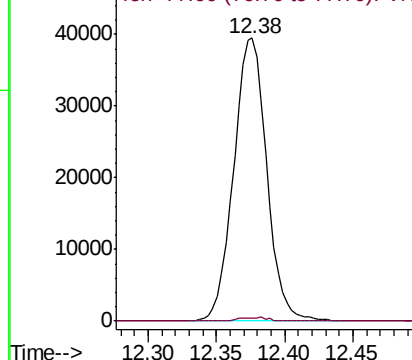
Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 63.563 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN065019.D

Acq: 9 Dec 2020 14:38

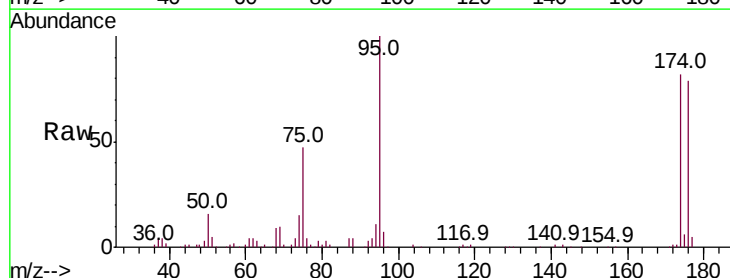
Tgt Ion: 75 Resp: 66440

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): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

