

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063419.D
 Acq On : 17 Sep 2020 15:14
 Operator : JC/MD
 Sample : PB131674ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131674ZHE#02

Quant Time: Sep 18 02:50:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	240381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	456052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	458913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194381	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	197685	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	7.55	113	142774	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	
50) Toluene-d8	10.06	98	582376	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.38	95	231545	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	

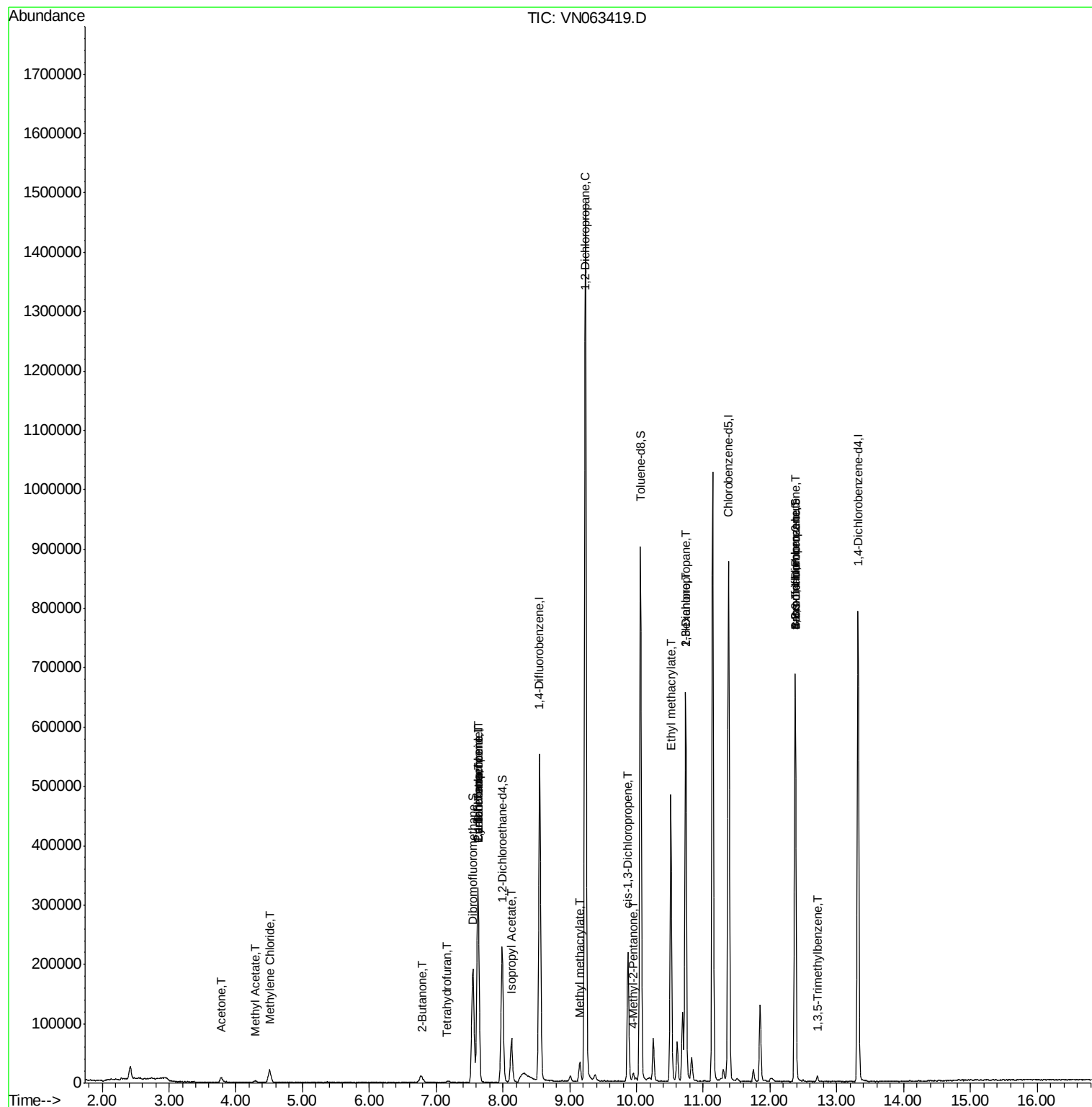
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	13792	10.488	ug/l	95
18) Methyl Acetate	4.29	43	5798	1.737	ug/l #	72
20) Methylene Chloride	4.51	84	14512	4.355	ug/l	96
25) 2-Butanone	6.80	43	1645	0.813	ug/l	97
29) Tetrahydrofuran	7.17	42	1748	1.265	ug/l #	56
31) Cyclohexane	7.63	56	6710	1.187	ug/l #	37
36) 1,1-Dichloropropene	7.63	75	23393	4.815	ug/l #	51
38) Carbon Tetrachloride	7.63	117	26827	5.409	ug/l #	17
43) Isopropyl Acetate	8.13	43	89973	10.552	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1671	0.442	ug/l #	43
48) Methyl methacrylate	9.14	41	5164	1.233	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	10799	2.262	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	36516	6.012	ug/l #	62
56) Ethyl methacrylate	10.52	69	1215	0.235	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6656	1.114	ug/l #	42
59) 2-Hexanone	10.74	43	102291	29.579	ug/l #	53
71) Bromoform	12.37	173	582	0.219	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	131058	27.240	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4820	0.371	ug/l	83
81) trans-1,4-Dichloro-2-buten	12.38	75	131058	74.682	ug/l #	7

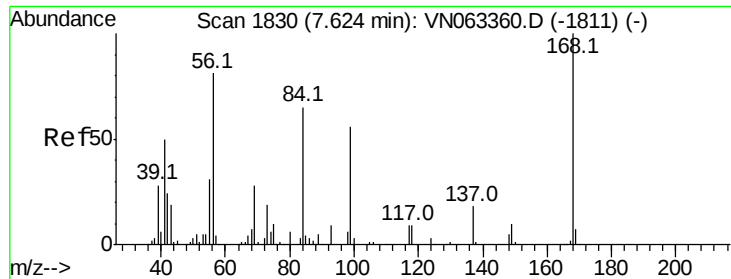
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091720\
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Quant Time: Sep 18 02:50:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

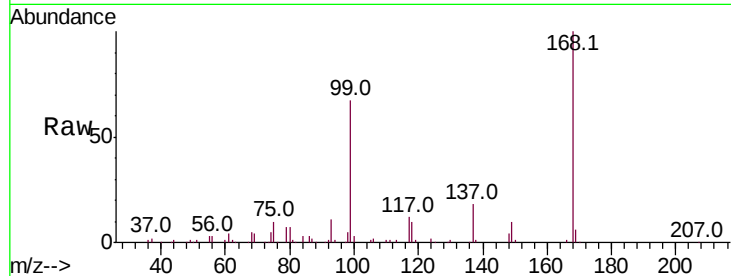
PB131674ZHE#02

Tot Ion:168 Resp: 240381

Ion Ratio Lower Upper

168 100

99 67.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

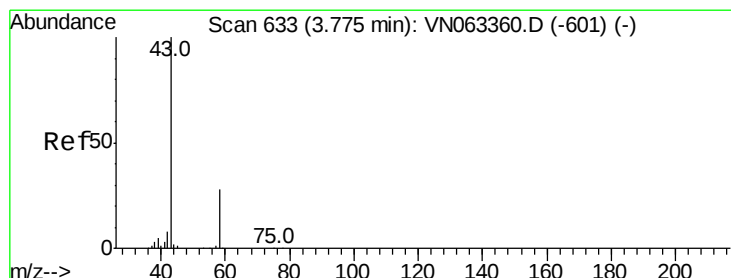
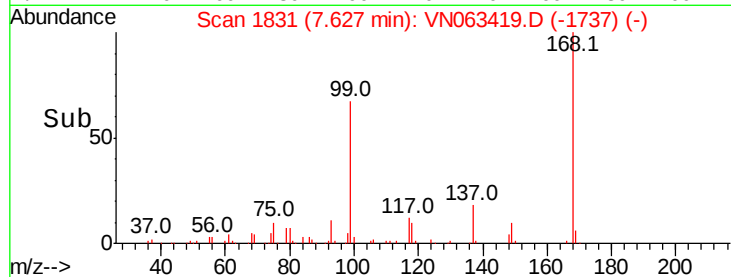
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 10.488 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063419.D

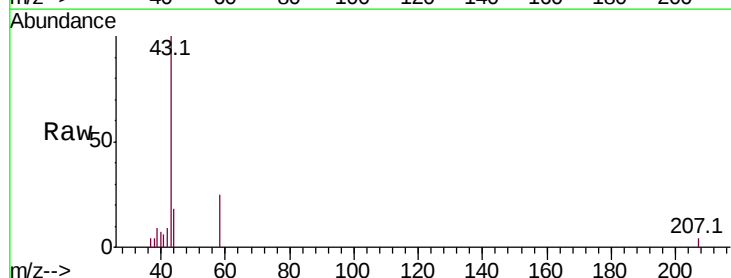
Acq: 17 Sep 2020 15:14

Tgt Ion: 43 Resp: 13792

Ion Ratio Lower Upper

43 100

58 25.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

6000

5000

4000

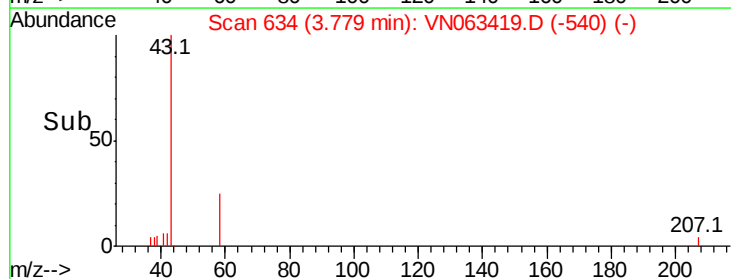
3000

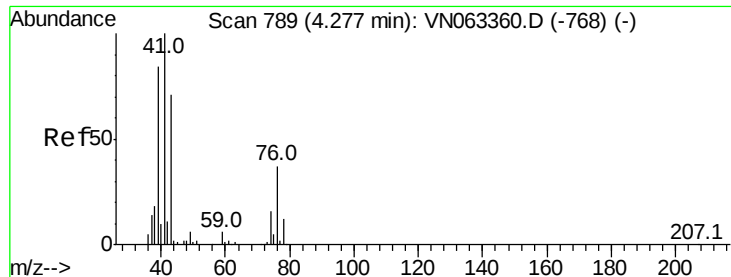
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

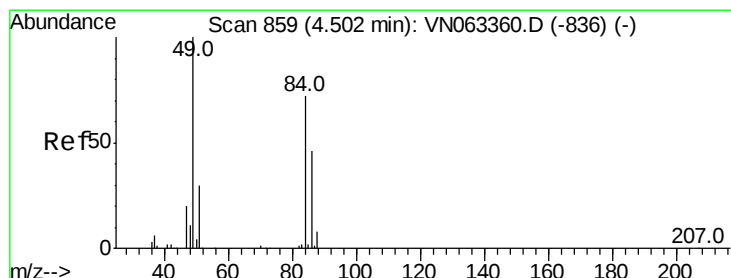
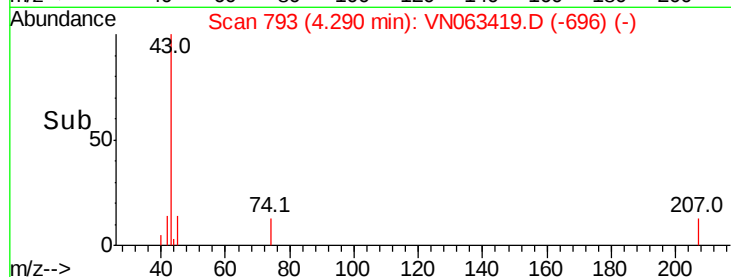
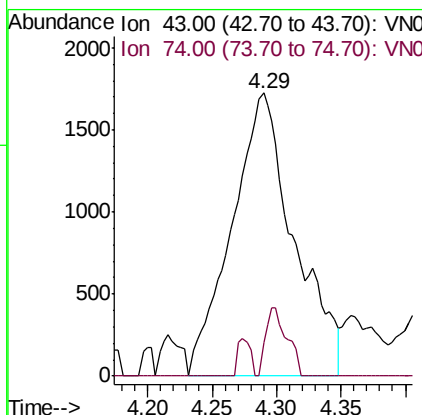
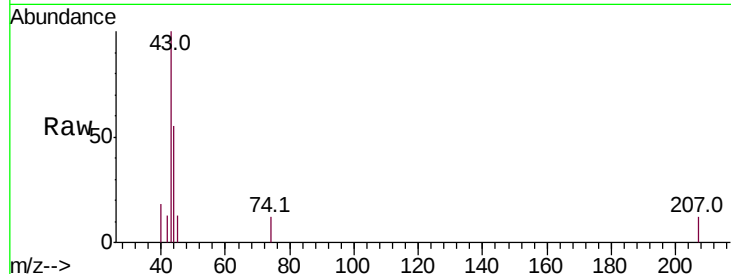




#18
Methvl Acetate
Concen: 1.737 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

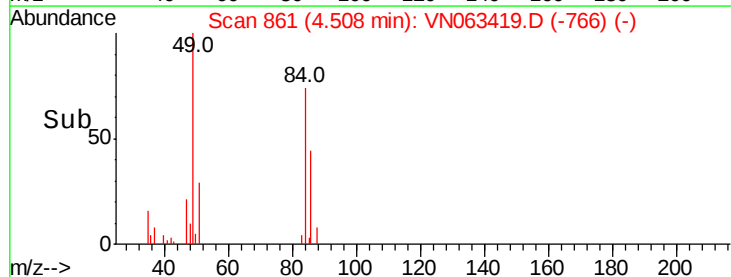
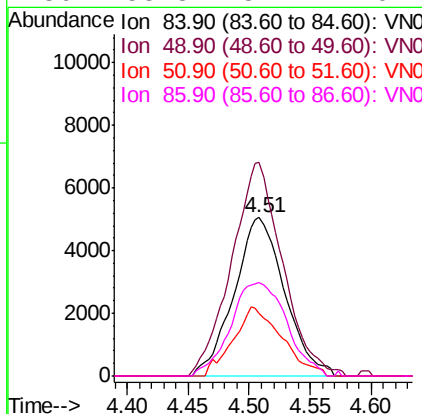
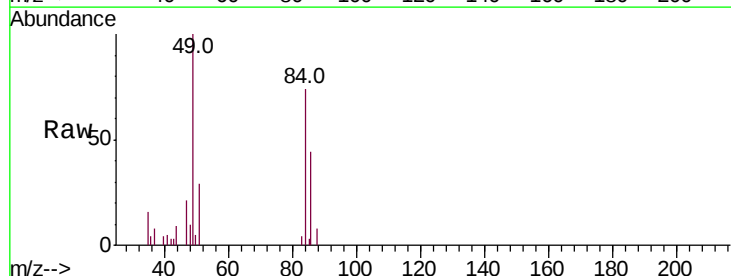
Instrument :
MSVOA_N
ClientSampleId :
PB131674ZHE#02

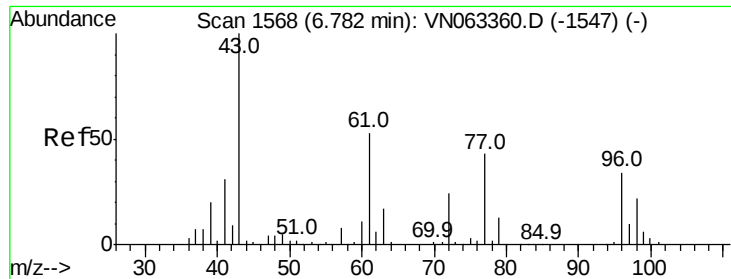
Tot Ion: 43 Resp: 5798
Ion Ratio Lower Upper
43 100
74 8.3 17.4 26.2#



#20
Methylene Chloride
Concen: 4.355 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

Tgt Ion: 84 Resp: 14512
Ion Ratio Lower Upper
84 100
49 134.9 110.7 166.1
51 39.3 32.9 49.3
86 58.8 51.1 76.7





#25

2-Butanone

Concen: 0.813 ug/l

RT: 6.80 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

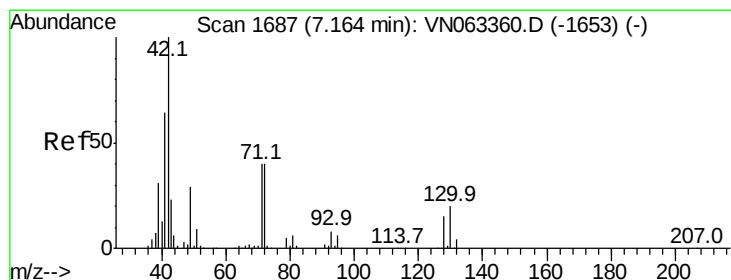
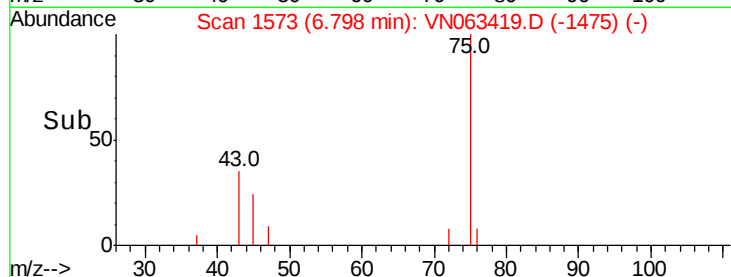
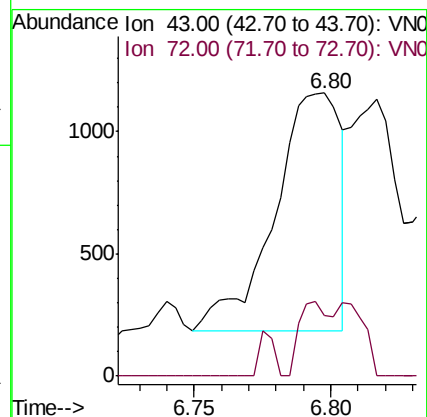
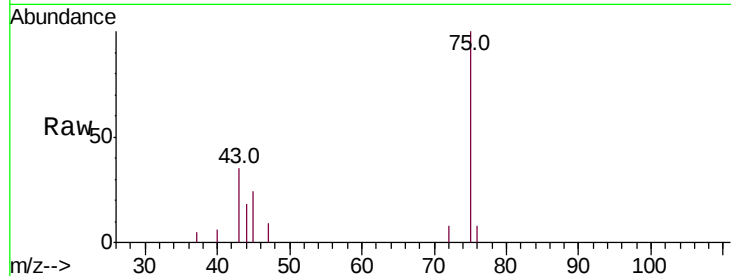
PB131674ZHE#02

Tot Ion: 43 Resp: 1645

Ion Ratio Lower Upper

43 100

72 25.5 19.2 28.8



#29

Tetrahydrofuran

Concen: 1.265 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

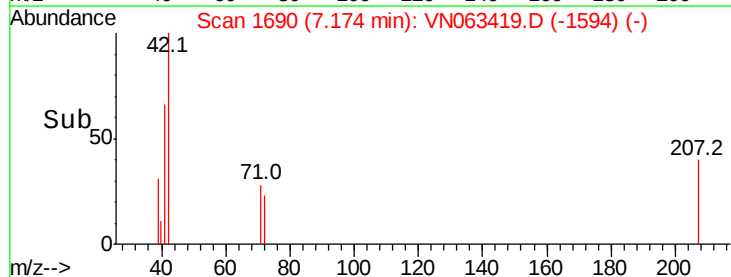
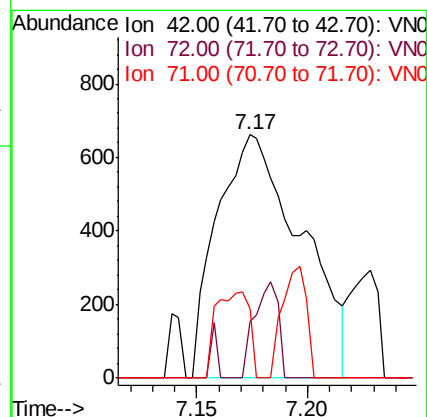
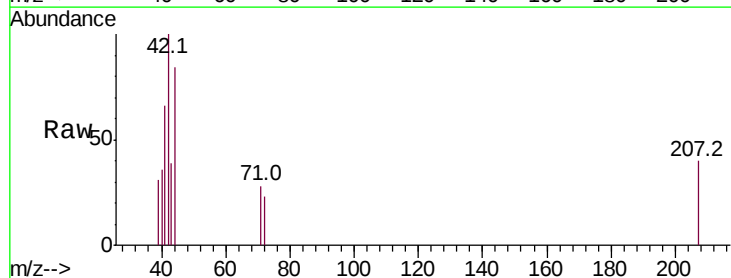
Tgt Ion: 42 Resp: 1748

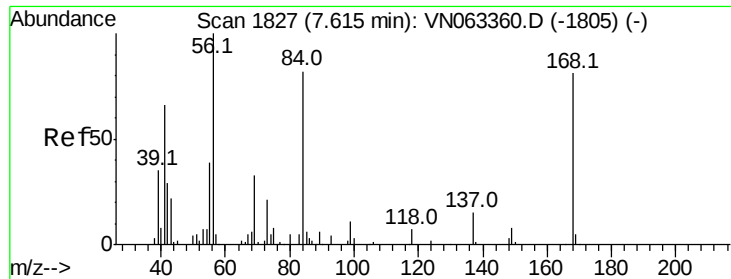
Ion Ratio Lower Upper

42 100

72 11.3 32.1 48.1#

71 14.0 31.2 46.8#

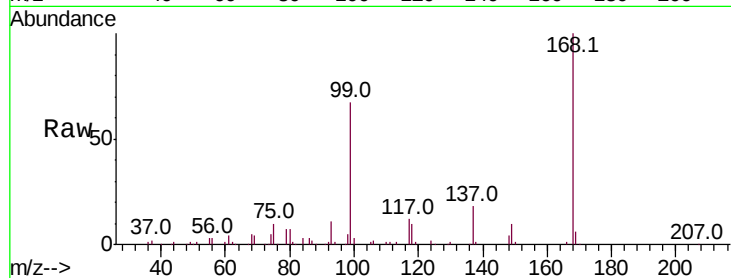




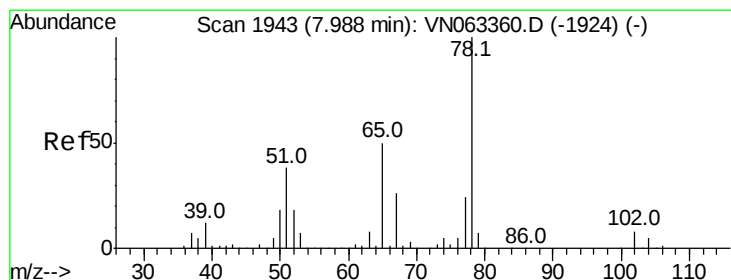
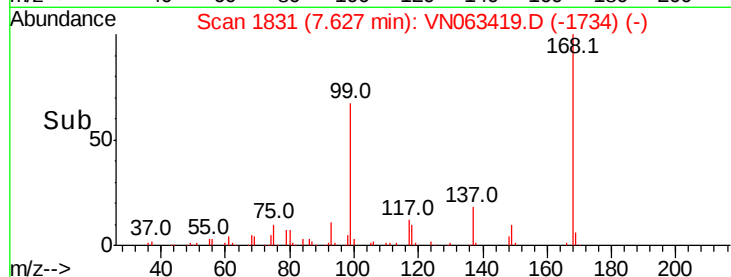
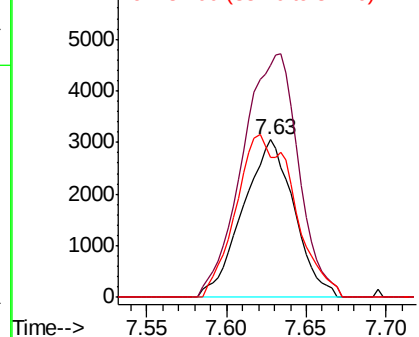
#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

Instrument :
MSVOA_N
ClientSampleId :
PB131674ZHE#02

Tot Ion: 56 Resp: 6710
Ion Ratio Lower Upper
56 100
69 147.3 26.1 39.1#
84 88.4 65.4 98.2

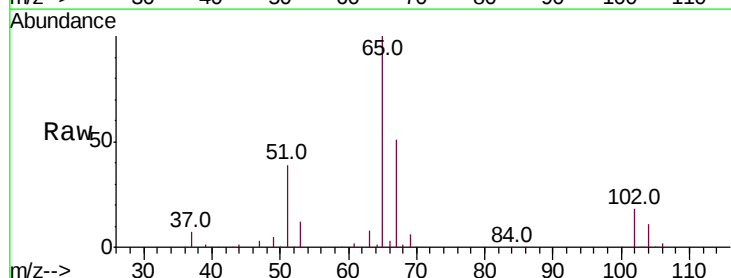


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

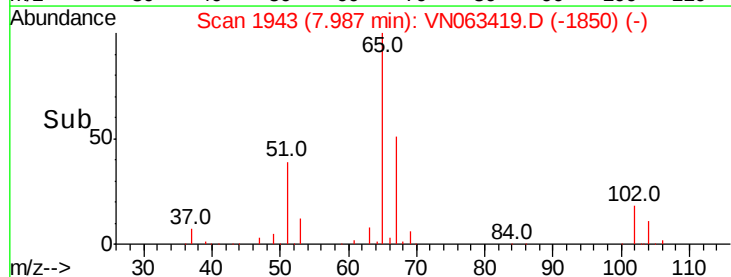
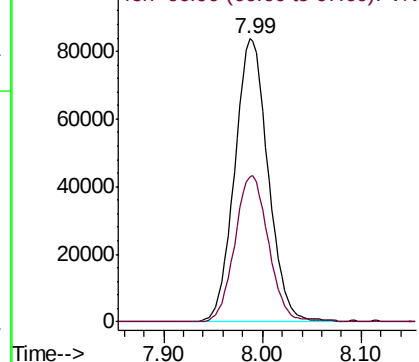


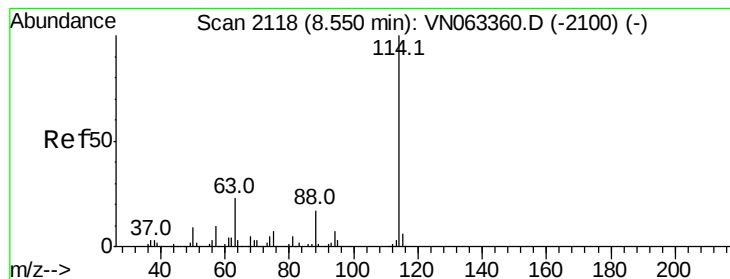
#33
1,2-Dichloroethane-d4
Concen: 48.311 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

Tgt Ion: 65 Resp: 197685
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

PB131674ZHE#02

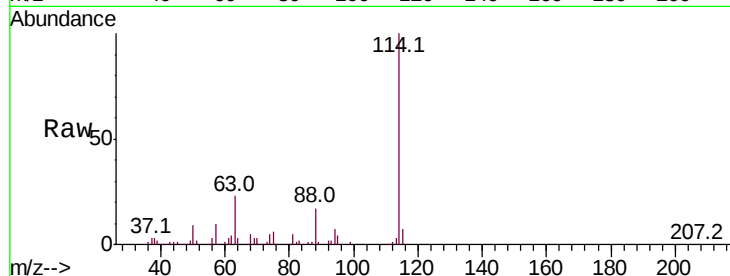
Tot Ion:114 Resp: 456052

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.4

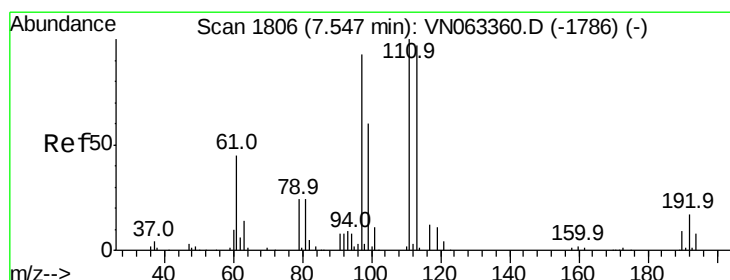
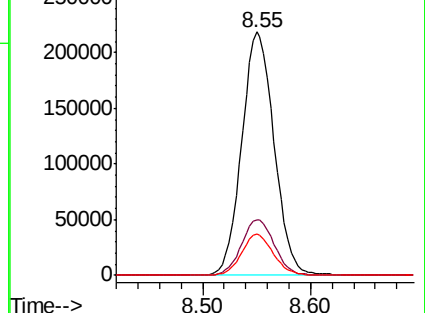
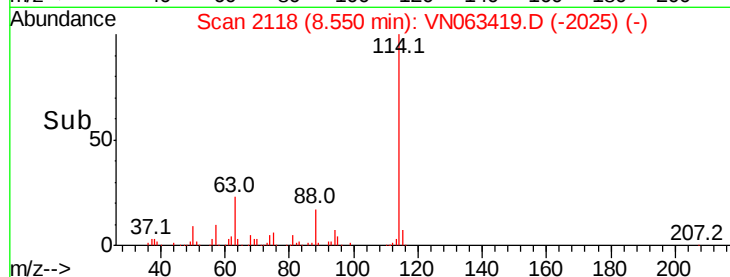
88 16.9 0.0 33.2



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: 45.222 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

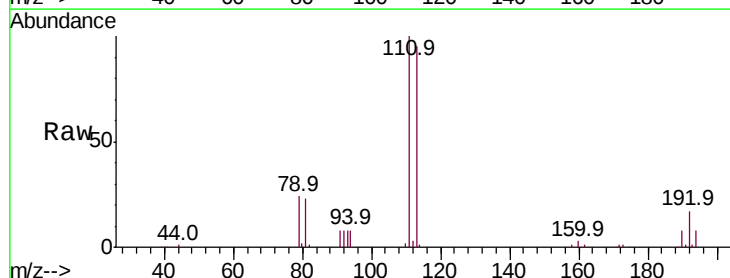
Tgt Ion:113 Resp: 142774

Ion Ratio Lower Upper

113 100

111 105.4 82.9 124.3

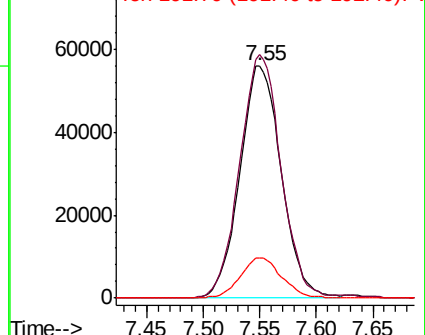
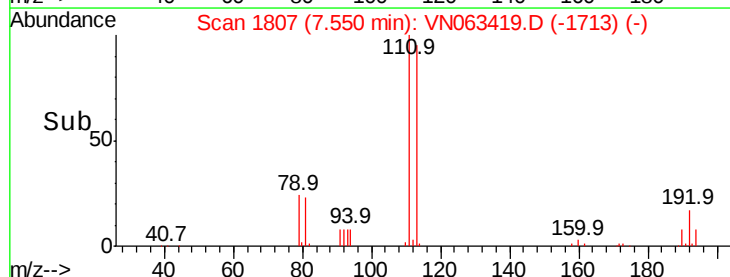
192 17.3 13.9 20.9

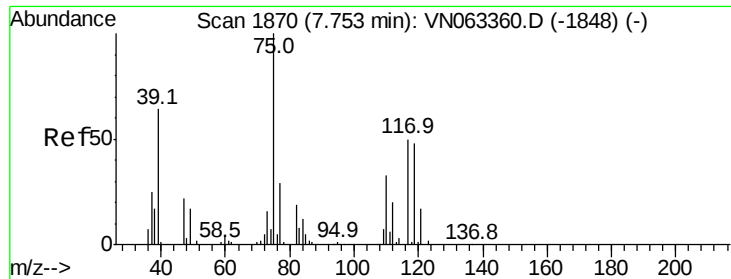


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

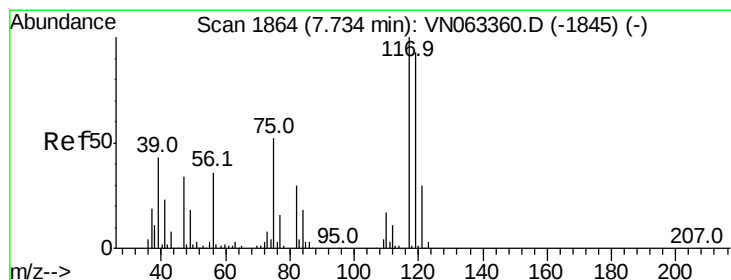
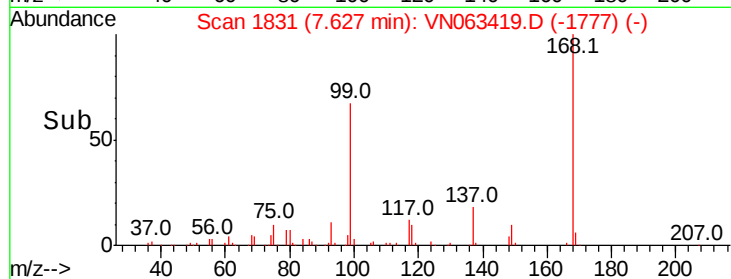
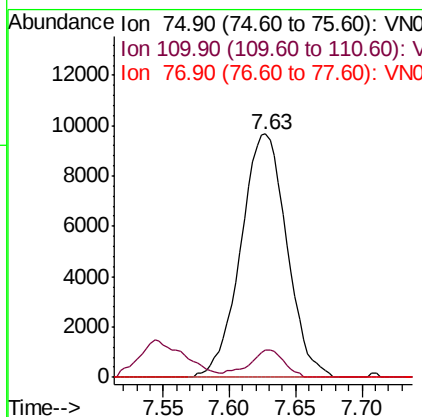
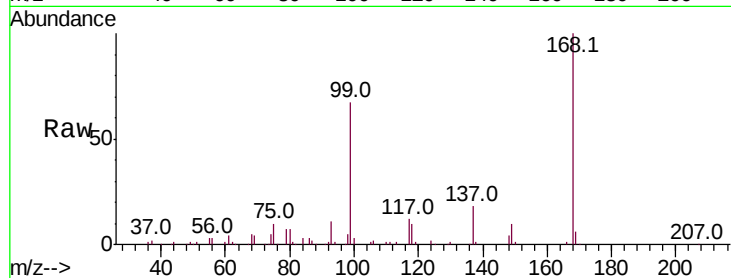




#36
 1,1-Dichloropropene
 Concen: 4.815 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063419.D
 Acq: 17 Sep 2020 15:14

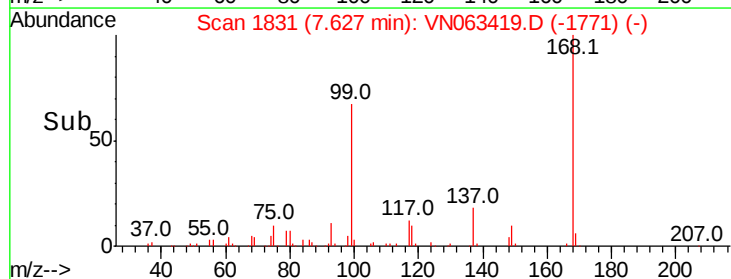
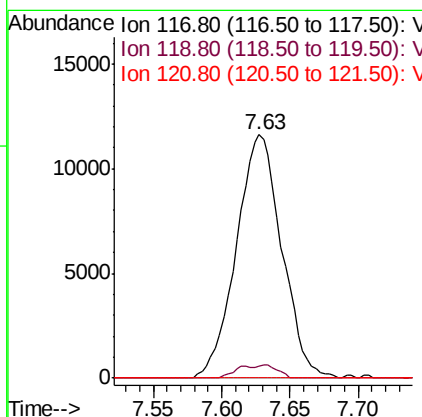
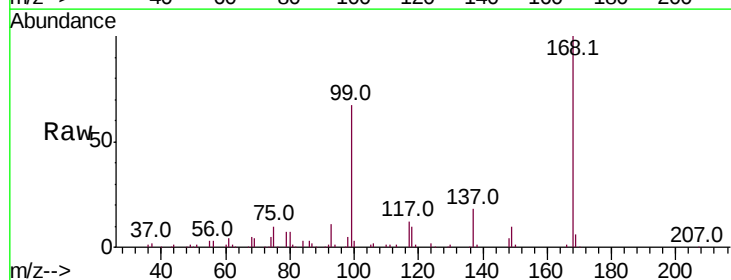
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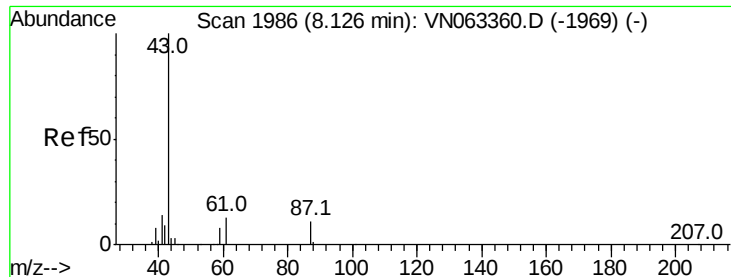
Tot Ion: 75 Resp: 23393
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.5 49.5#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.409 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063419.D
 Acq: 17 Sep 2020 15:14

Tgt Ion: 117 Resp: 26827
 Ion Ratio Lower Upper
 117 100
 119 5.1 74.5 111.7#
 121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 10.552 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

PB131674ZHE#02

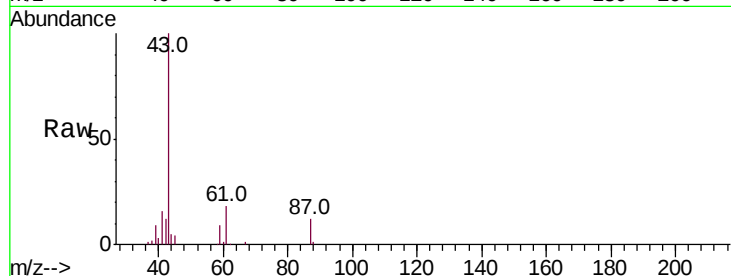
Tot Ion: 43 Resp: 89973

Ion Ratio Lower Upper

43 100

61 17.7 14.2 21.2

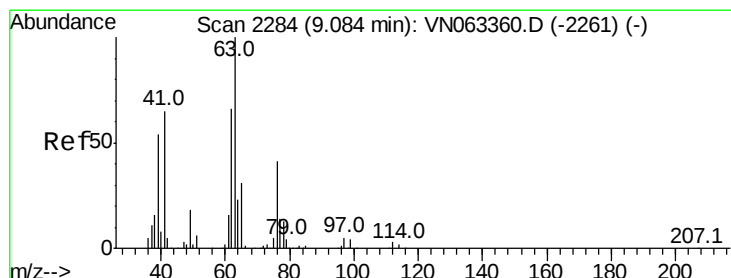
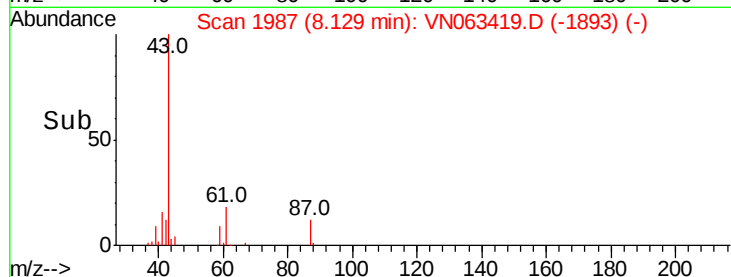
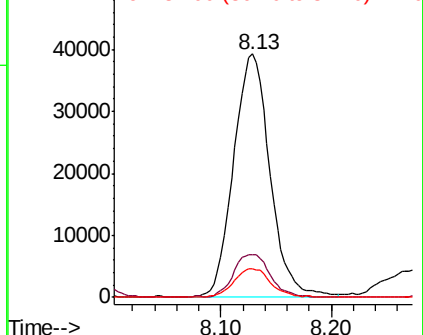
87 11.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN063360.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN063360.D (-1969) (-)



#45

1,2-Dichloropropane

Concen: 0.442 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN063419.D

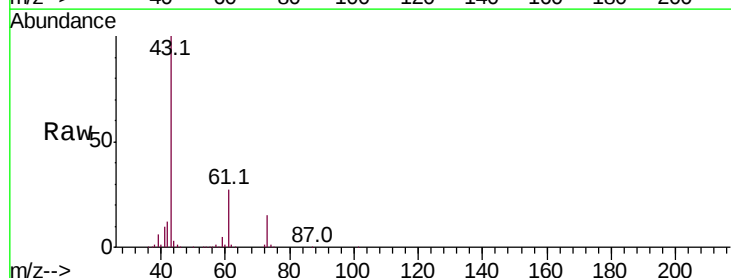
Acq: 17 Sep 2020 15:14

Tgt Ion: 63 Resp: 1671

Ion Ratio Lower Upper

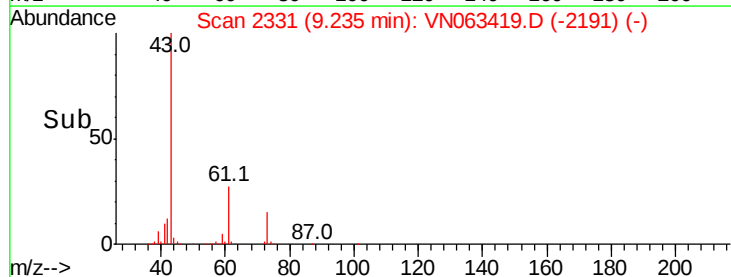
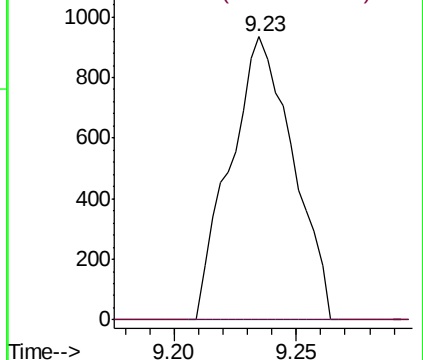
63 100

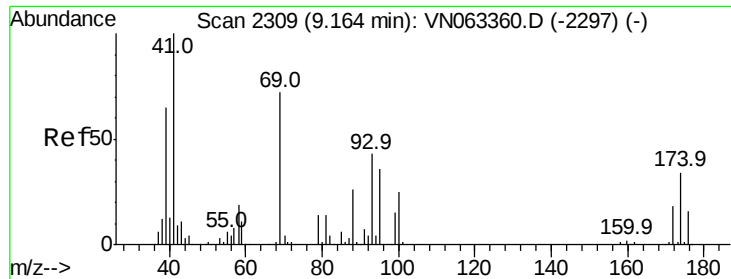
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN063360.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN063360.D (-2261) (-)

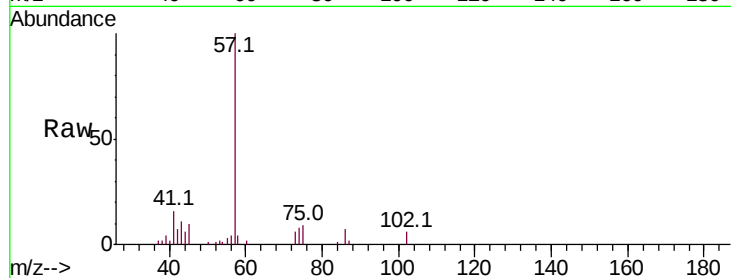




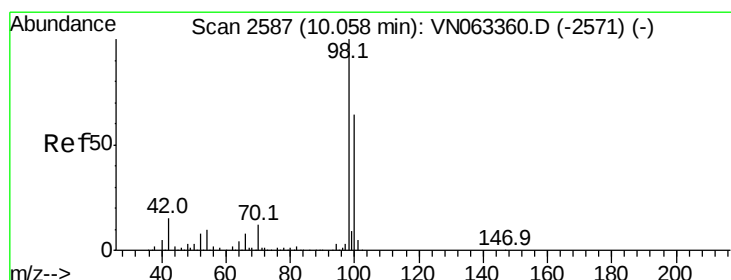
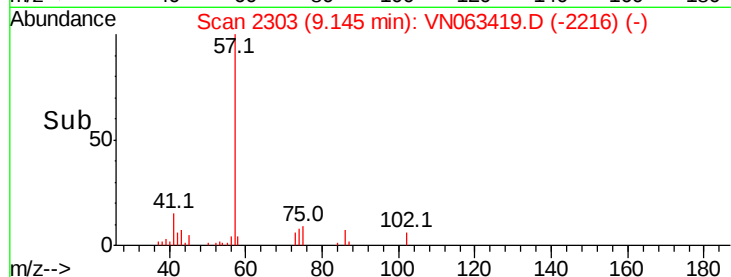
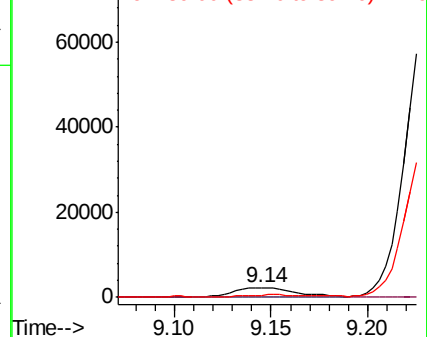
#48
Methvl methacrylate
Concen: 1.233 ug/l
RT: 9.14 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

Instrument :
MSVOA_N
ClientSampleId :
PB131674ZHE#02

Tot Ion: 41 Resp: 5164
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 52.9 79.3#

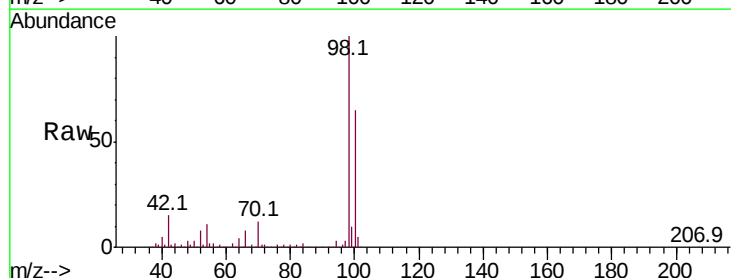


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

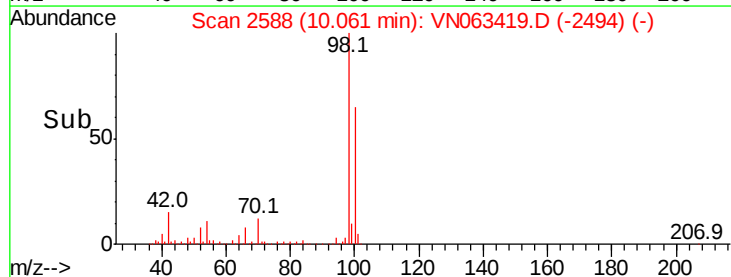
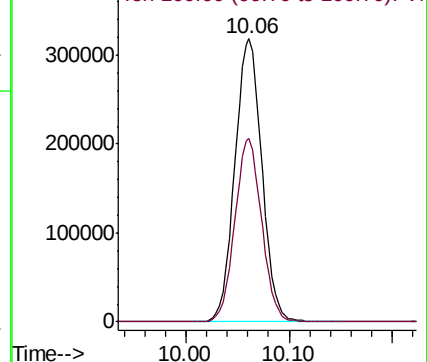


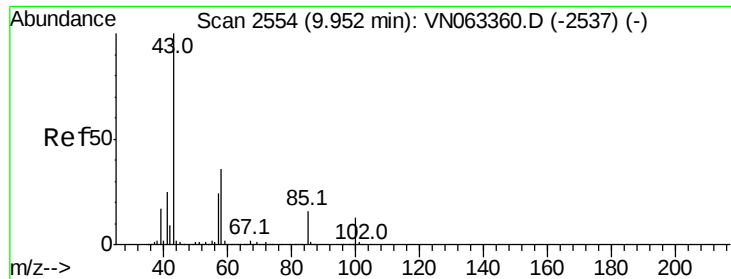
#50
Toluene-d8
Concen: 49.057 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

Tgt Ion: 98 Resp: 582376
Ion Ratio Lower Upper
98 100
100 64.3 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 2.262 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

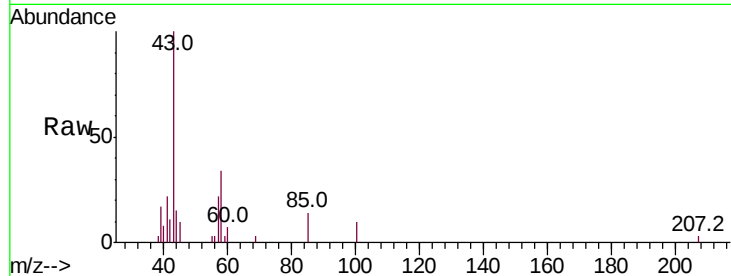
PB131674ZHE#02

Tot Ion: 43 Resp: 10799

Ion Ratio Lower Upper

43 100

58 36.5 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)

20000

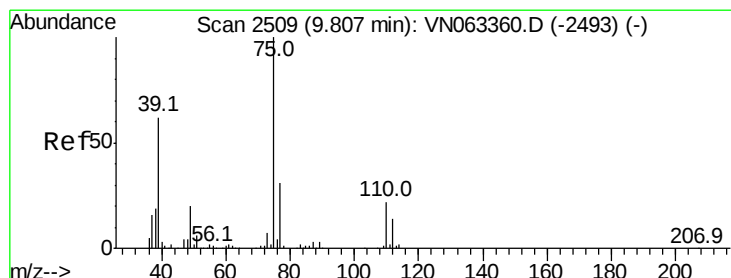
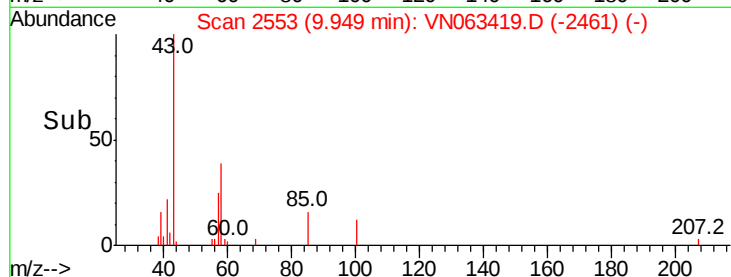
15000

10000

5000

0

Time--> 9.90 9.95



#54

cis-1,3-Dichloropropene

Concen: 6.012 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

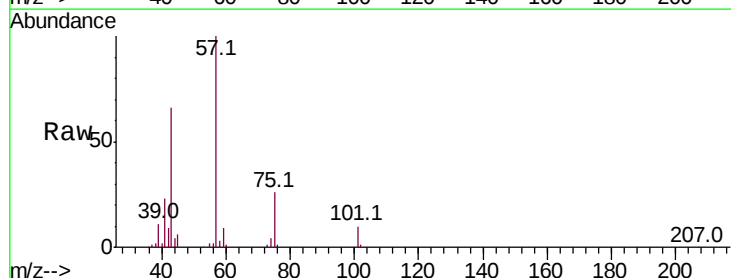
Tgt Ion: 75 Resp: 36516

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 40.3 49.8 74.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2493) (-)

25000

20000

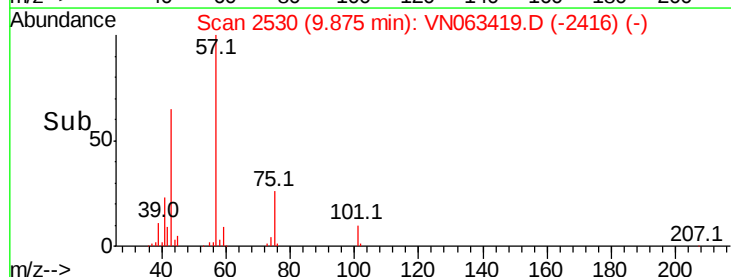
15000

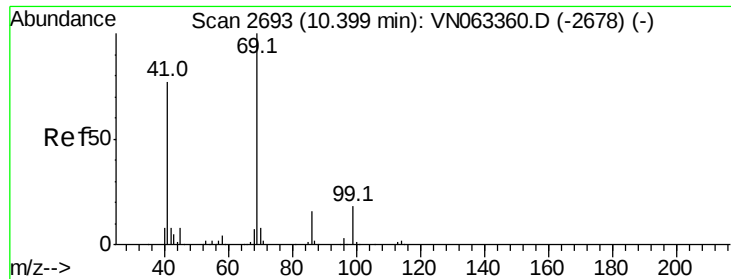
10000

5000

0

Time--> 9.80 9.85 9.90 9.95





#56

Ethyl methacrylate

Concen: 0.235 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

PB131674ZHE#02

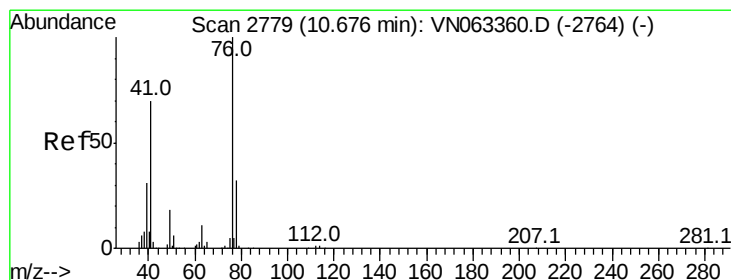
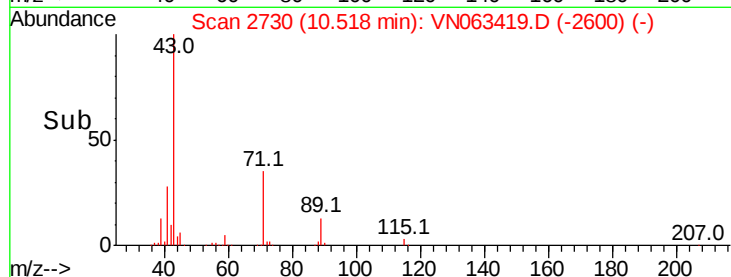
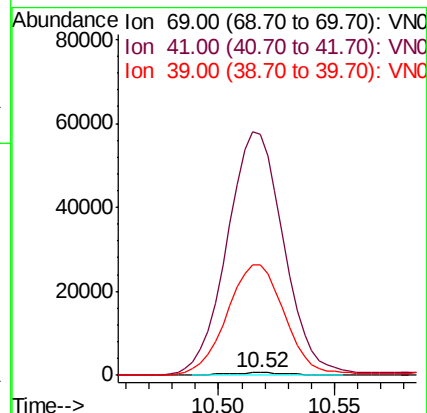
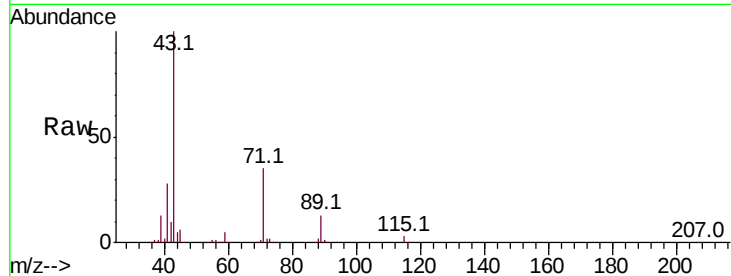
Tot Ion: 69 Resp: 1215

Ion Ratio Lower Upper

69 100

41 8162.1 61.0 91.6#

39 3809.1 39.2 58.8#



#57

1,3-Dichloropropane

Concen: 1.114 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063419.D

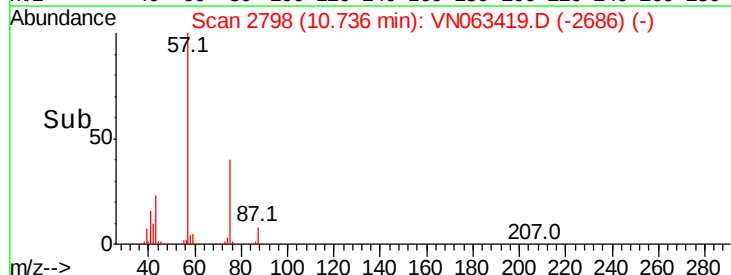
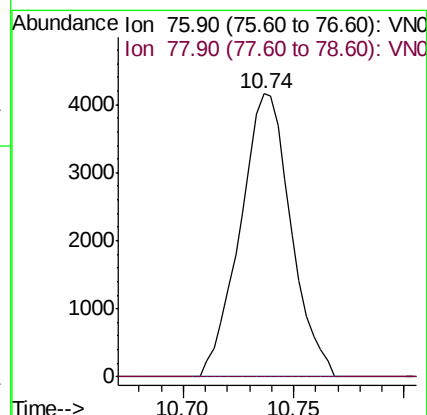
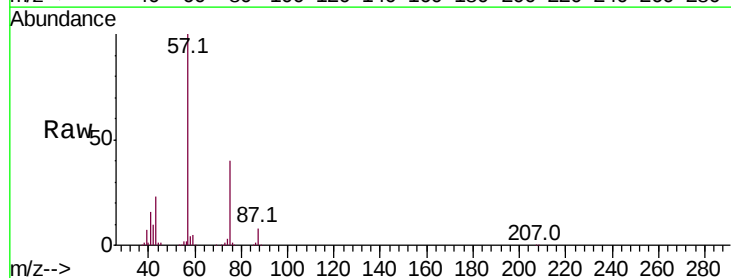
Acq: 17 Sep 2020 15:14

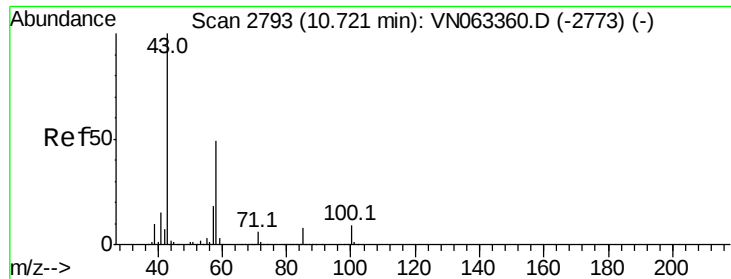
Tgt Ion: 76 Resp: 6656

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

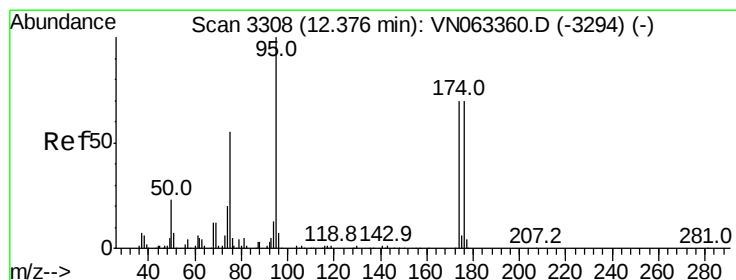
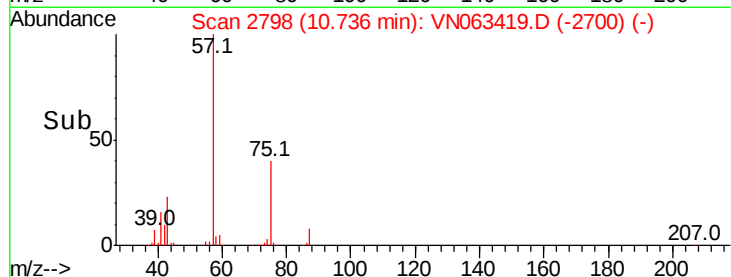
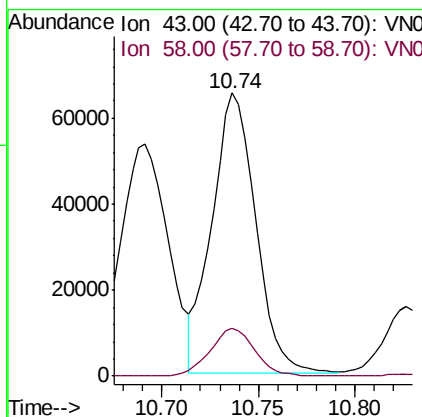
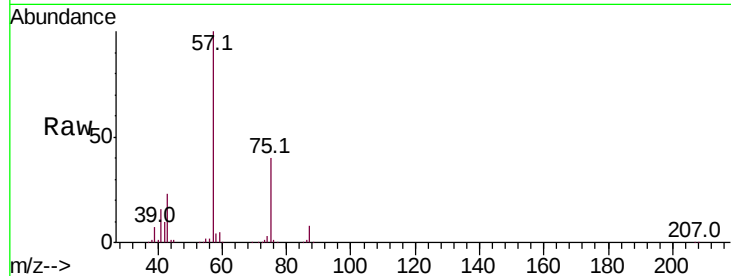




#59
2-Hexanone
Concen: 29.579 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

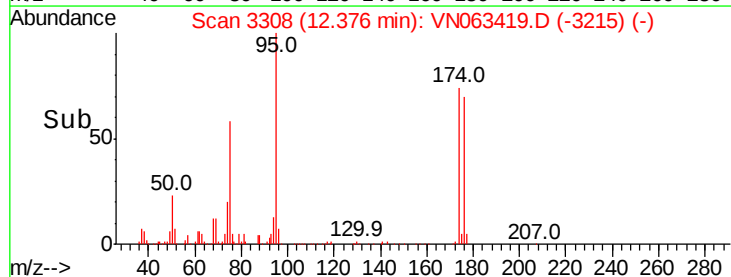
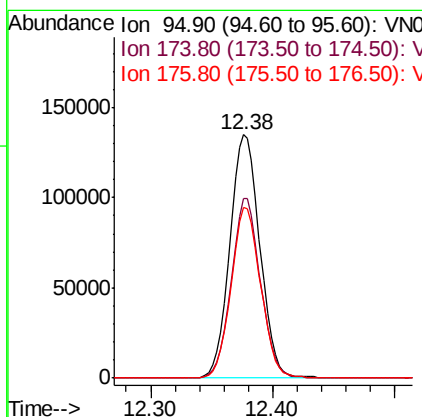
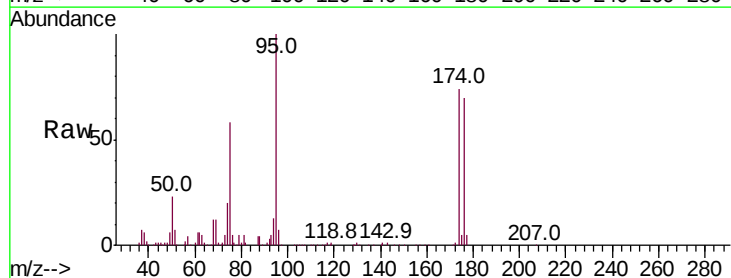
Instrument :
MSVOA_N
ClientSampleId :
PB131674ZHE#02

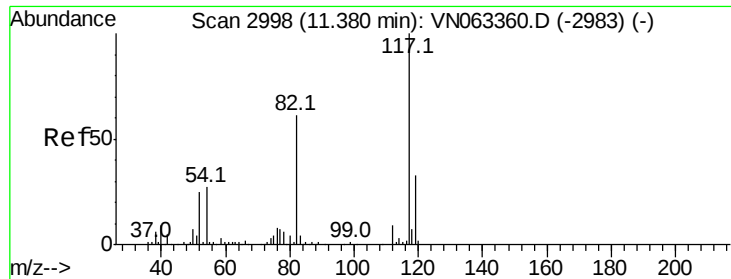
Tot Ion: 43 Resp: 102291
Ion Ratio Lower Upper
43 100
58 17.5 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 53.206 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

Tgt Ion: 95 Resp: 231545
Ion Ratio Lower Upper
95 100
174 71.6 0.0 140.8
176 68.9 0.0 137.6

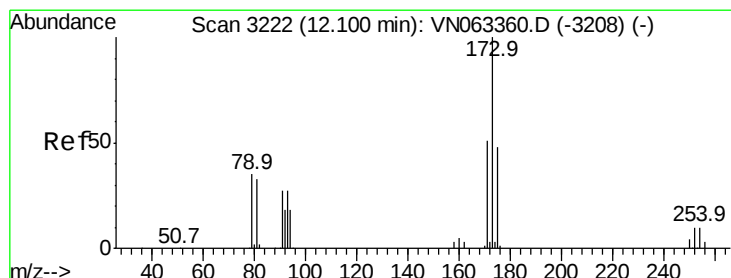
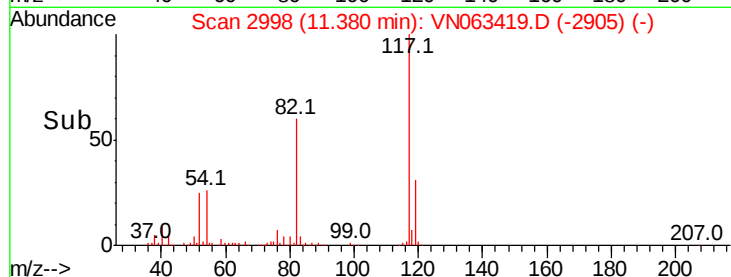
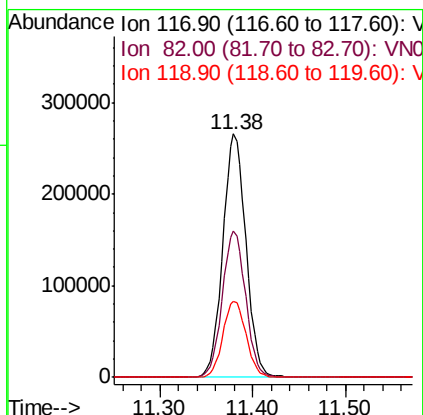
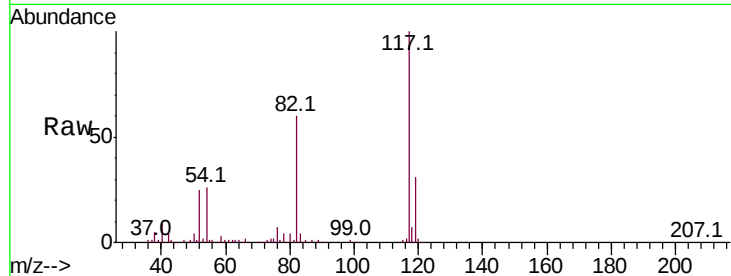




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

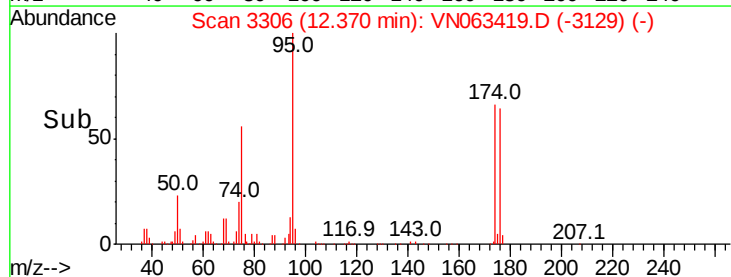
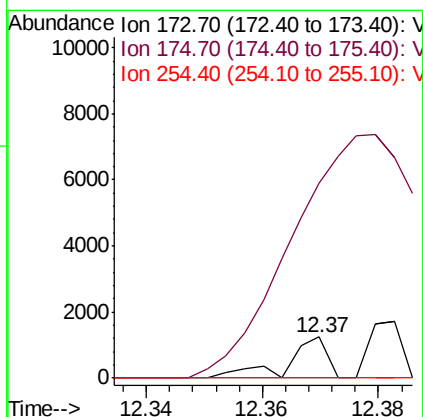
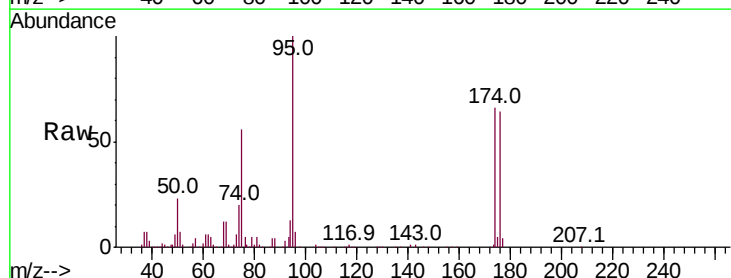
Instrument :
MSVOA_N
ClientSampleId :
PB131674ZHE#02

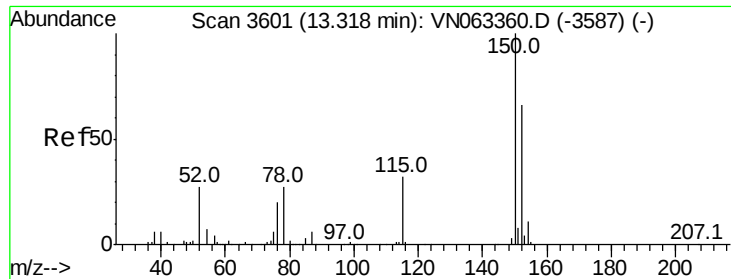
Tot Ion:117 Resp: 458913
Ion Ratio Lower Upper
117 100
82 59.9 49.2 73.8
119 31.3 26.2 39.4



#71
Bromoform
Concen: 0.219 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN063419.D
Acq: 17 Sep 2020 15:14

Tgt Ion:173 Resp: 582
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

PB131674ZHE#02

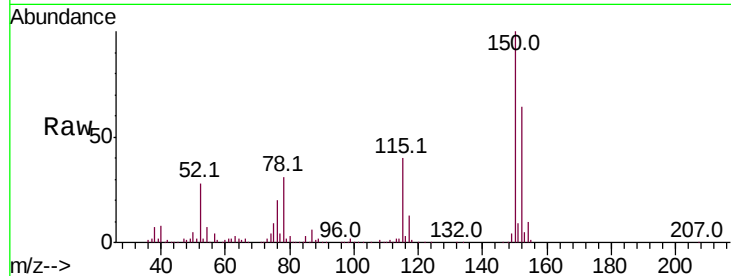
Tot Ion:152 Resp: 194381

Ion Ratio Lower Upper

152 100

115 64.1 32.2 96.6

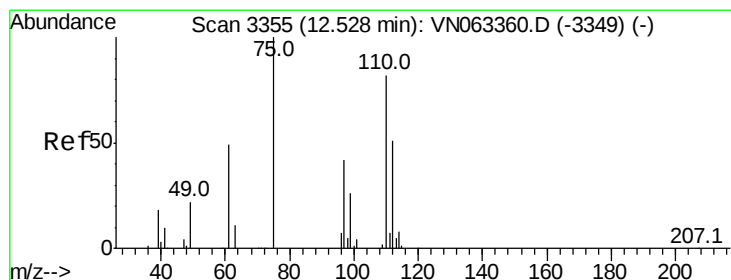
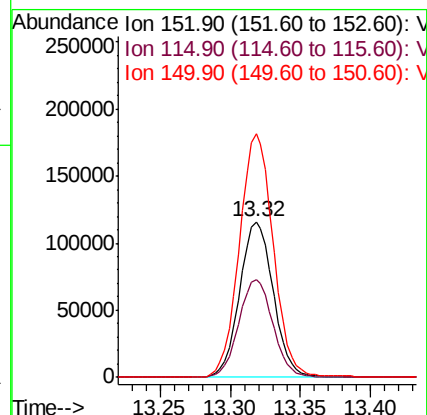
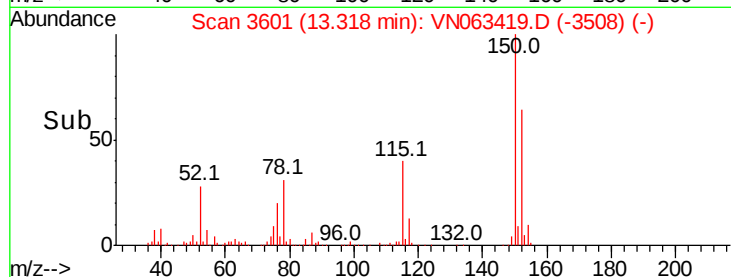
150 156.9 0.0 343.4



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: 27.240 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063419.D

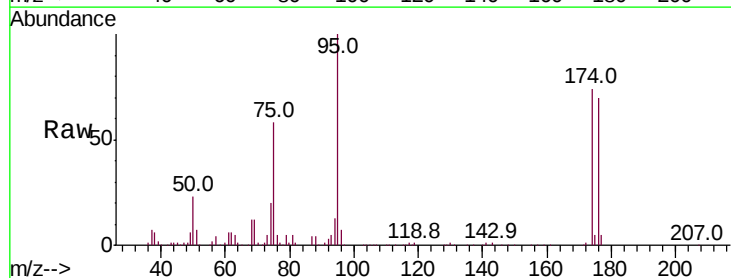
Acq: 17 Sep 2020 15:14

Tgt Ion: 75 Resp: 131058

Ion Ratio Lower Upper

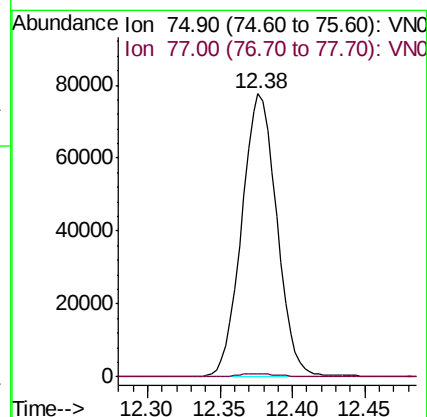
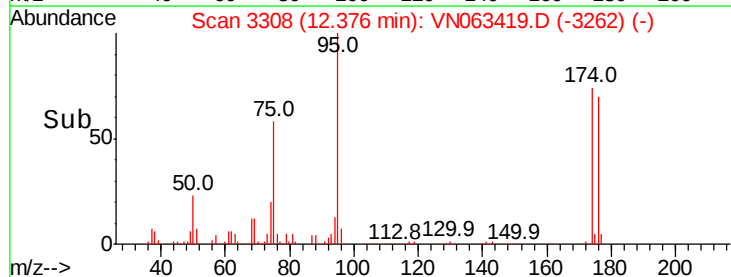
75 100

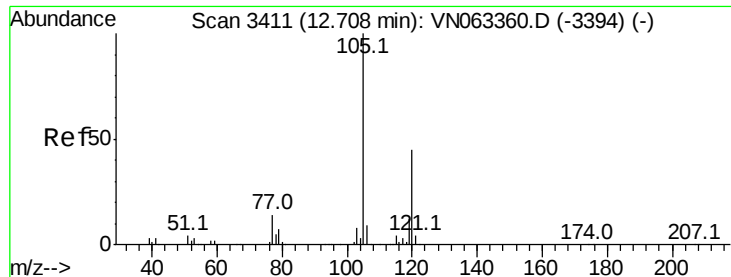
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.371 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

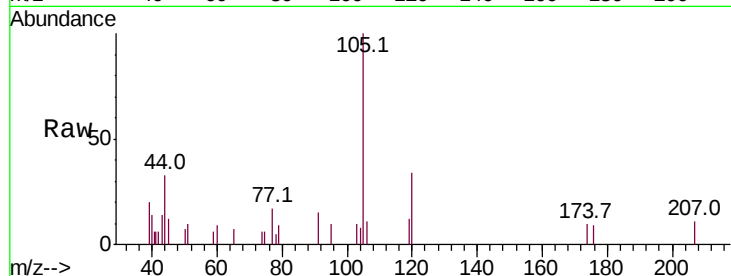
PB131674ZHE#02

Tot Ion:105 Resp: 4820

Ion Ratio Lower Upper

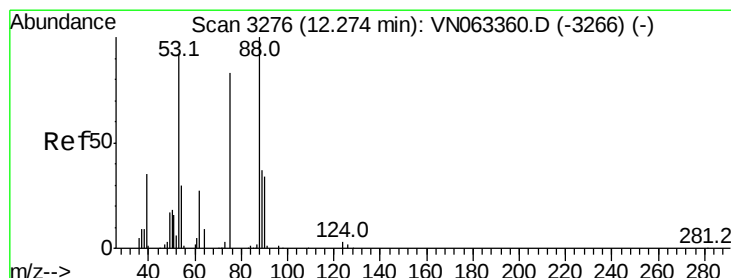
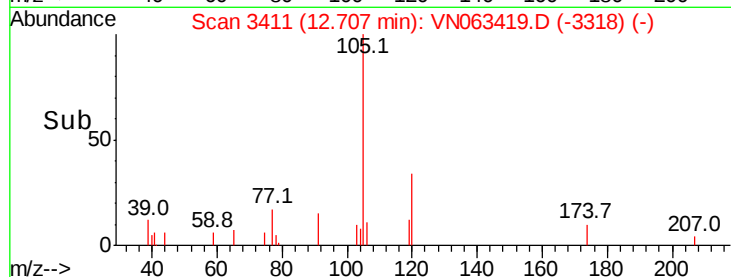
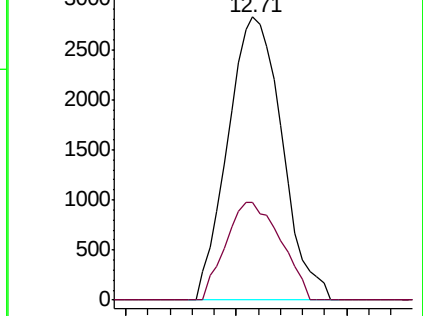
105 100

120 35.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 74.682 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

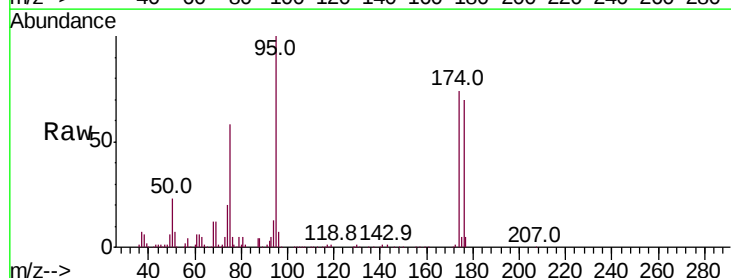
Tgt Ion: 75 Resp: 131058

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#



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

