

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063444.D
 Acq On : 18 Sep 2020 1:58
 Operator : JC/MD
 Sample : L4021-06 10X
 Misc : 7.77g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B16-1-3

Quant Time: Sep 18 05:12:31 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	237895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	447056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	448190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	199362	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	198912	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	7.55	113	141897	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
50) Toluene-d8	10.06	98	574718	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.38	95	230384	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	

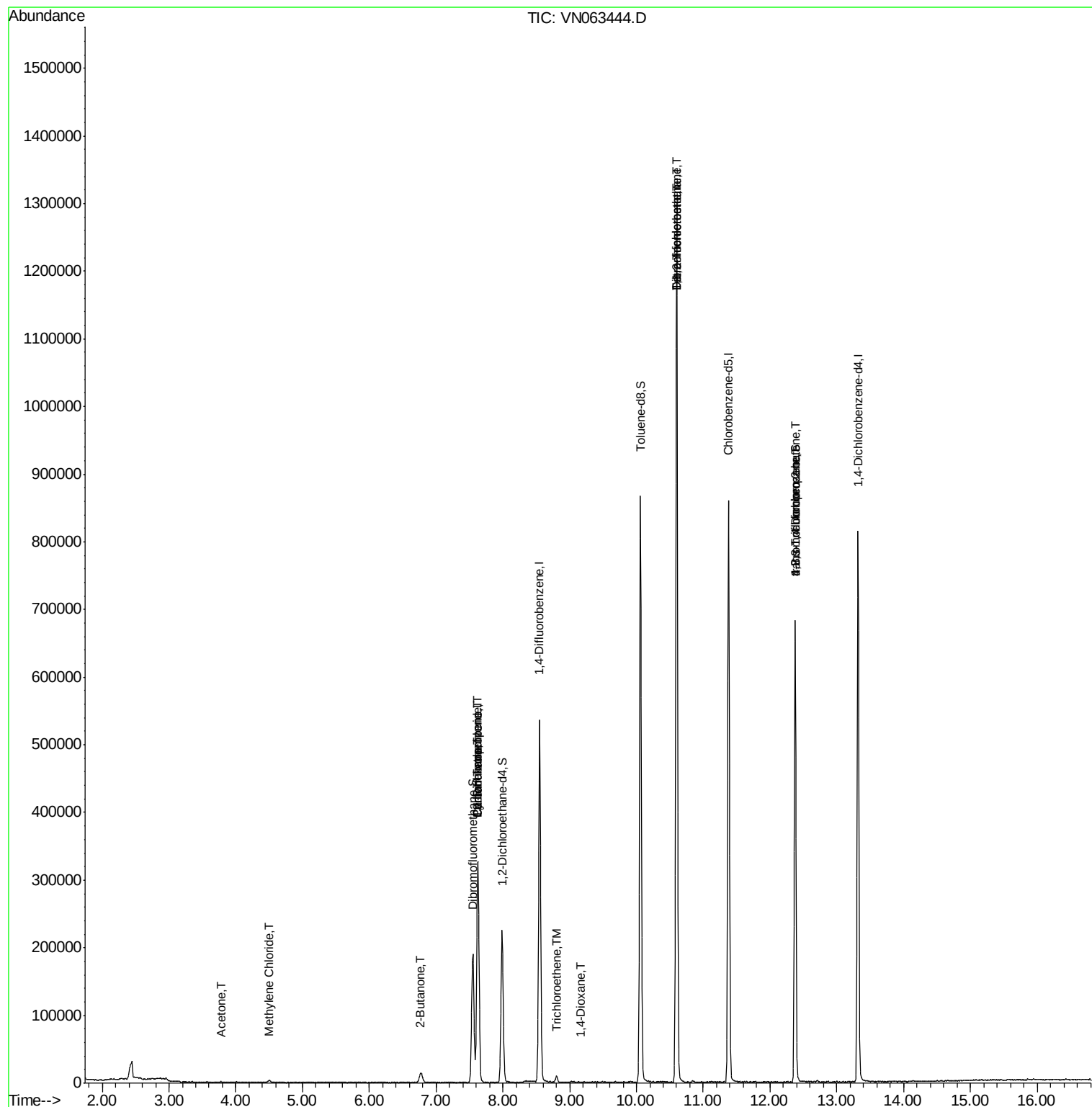
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	827	0.635	ug/l #	47
20) Methylene Chloride	4.51	84	1555	0.472	ug/l #	74
25) 2-Butanone	6.77	43	1246	0.622	ug/l #	51
31) Cyclohexane	7.62	56	6871	1.229	ug/l #	2
36) 1,1-Dichloropropene	7.62	75	22667	4.759	ug/l #	47
38) Carbon Tetrachloride	7.63	117	26536	5.458	ug/l #	17
44) Trichloroethene	8.80	130	2967	0.900	ug/l	88
49) 1,4-Dioxane	9.16	88	63	1.069	ug/l #	1
55) 1,1,2-Trichloroethane	10.60	97	2829	0.871	ug/l #	12
60) Dibromochloromethane	10.60	129	263951	71.958	ug/l #	10
64) Tetrachloroethene	10.60	164	268940	88.124	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	130423	26.431	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	130423	72.464	ug/l #	7

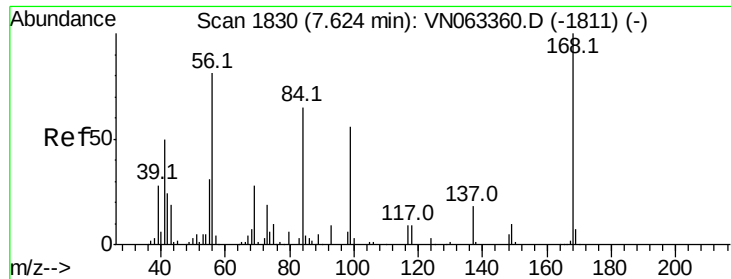
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 18 Sep 2020 1:58
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Misc : 7.77a/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
B16-1-3

Quant Time: Sep 18 05:12:31 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: VN063444.D

Acq: 18 Sep 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

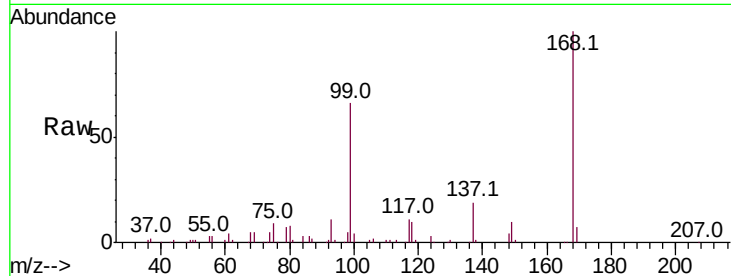
B16-1-3

Tot Ion:168 Resp: 237895

Ion Ratio Lower Upper

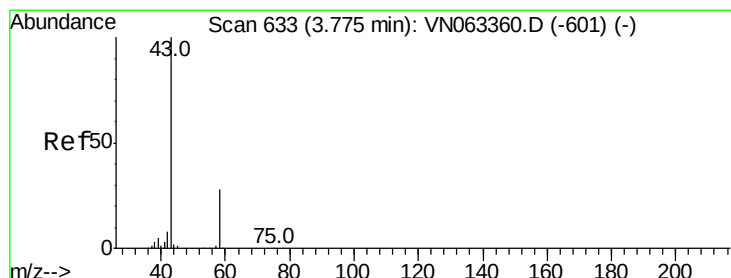
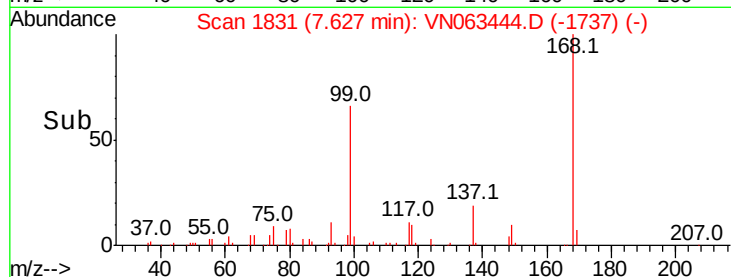
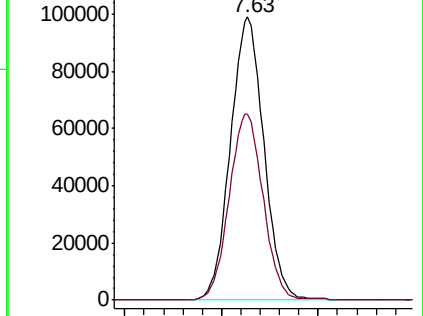
168 100

99 65.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 0.635 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063444.D

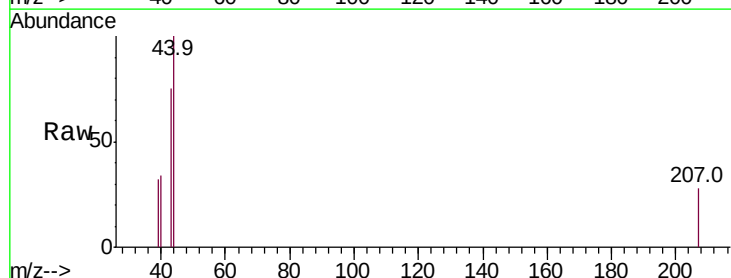
Acq: 18 Sep 2020 1:58

Tgt Ion: 43 Resp: 827

Ion Ratio Lower Upper

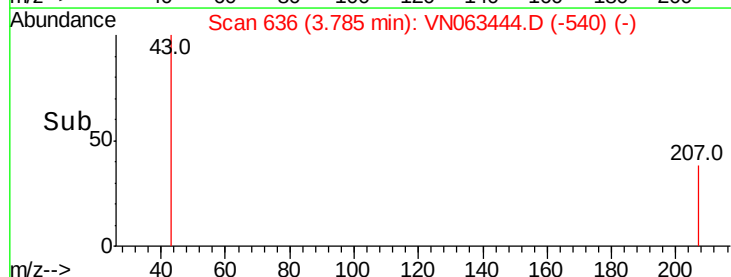
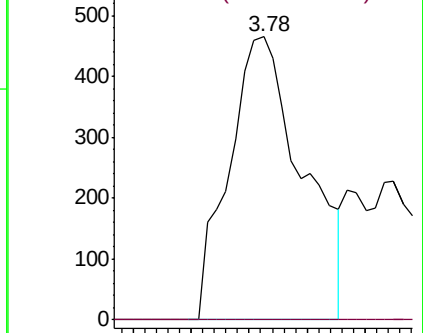
43 100

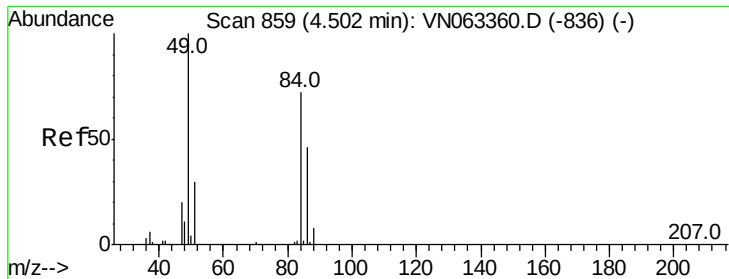
58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

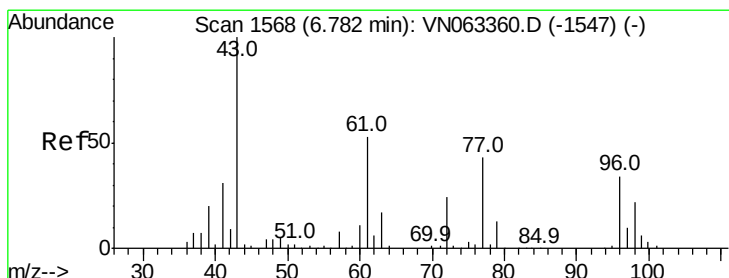
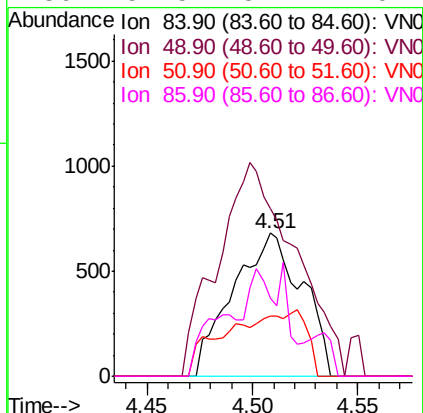
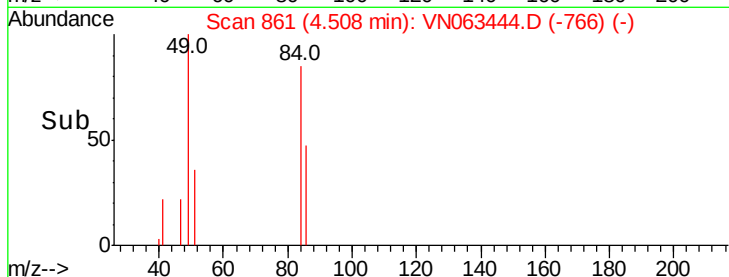
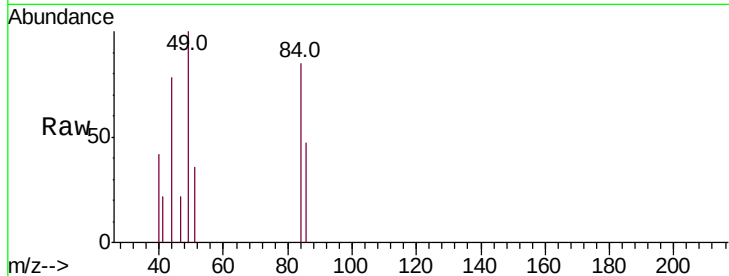




#20
Methvlene Chloride
Concen: 0.472 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063444.D
Acq: 18 Sep 2020 1:58

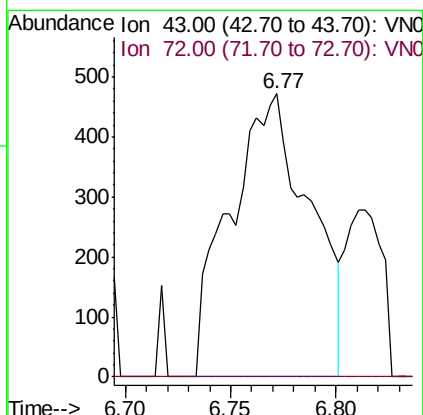
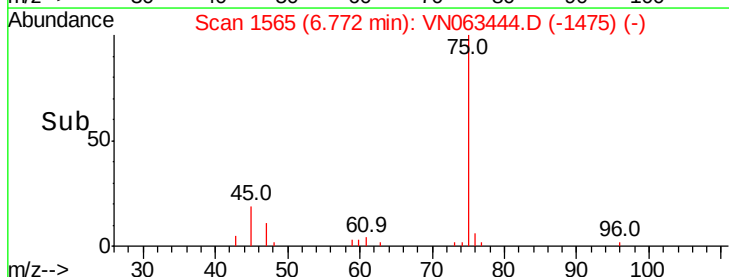
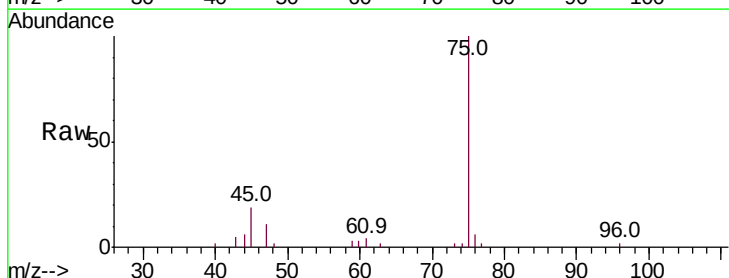
Instrument :
MSVOA_N
ClientSampled :
B16-1-3

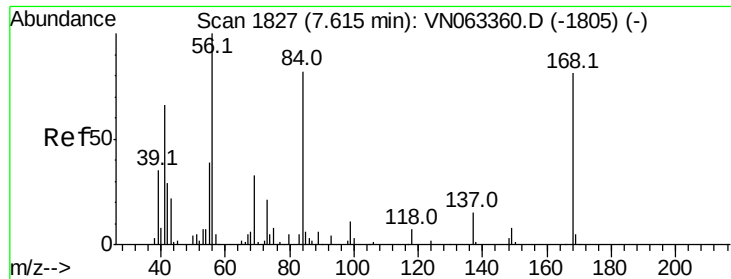
Tot Ion:	84	Resp:	1555
Ion	Ratio	Lower	Upper
84	100		
49	91.3	110.7	166.1#
51	42.1	32.9	49.3
86	54.5	51.1	76.7



#25
2-Butanone
Concen: 0.622 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VN063444.D
Acq: 18 Sep 2020 1:58

Tgt Ion:	43	Resp:	1246
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.2	28.8#

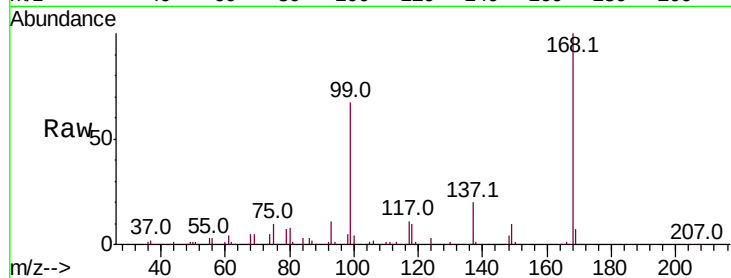




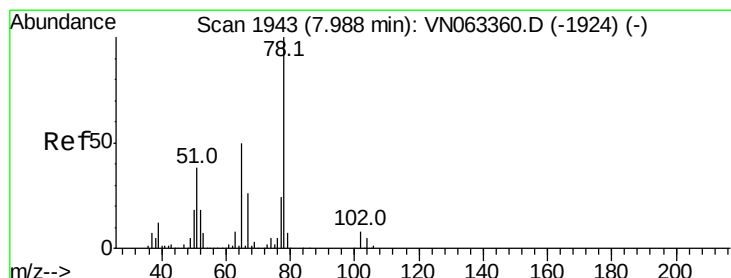
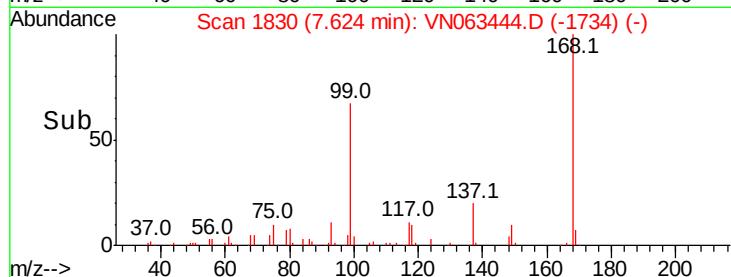
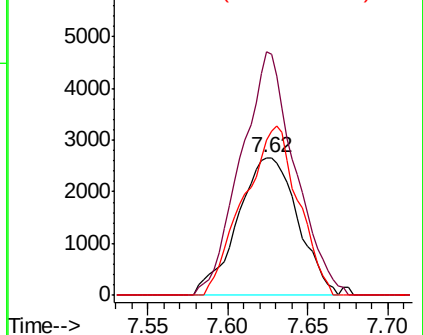
#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063444.D
Acq: 18 Sep 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
B16-1-3

Tot Ion: 56 Resp: 6871
Ion Ratio Lower Upper
56 100
69 176.5 26.1 39.1#
84 112.9 65.4 98.2#

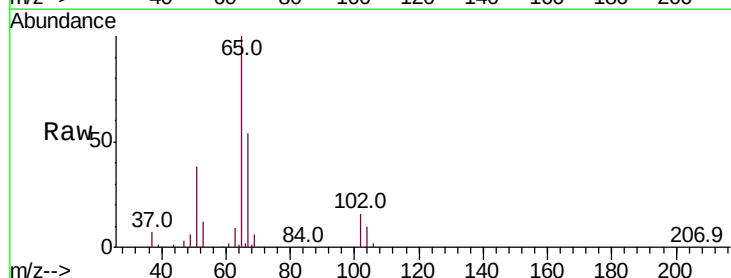


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

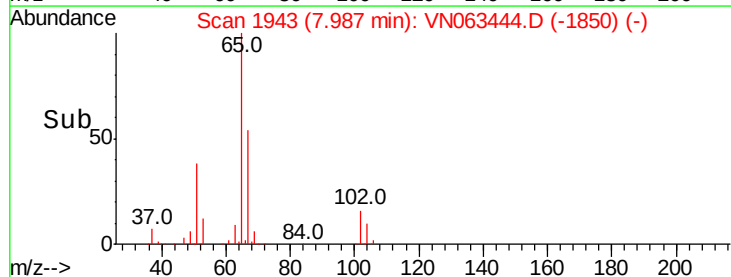
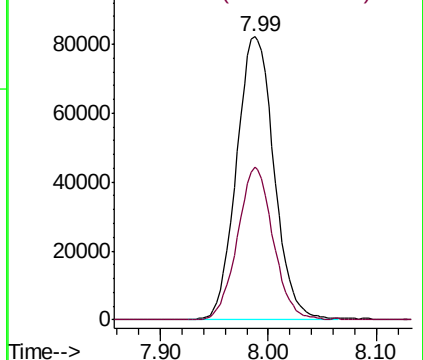


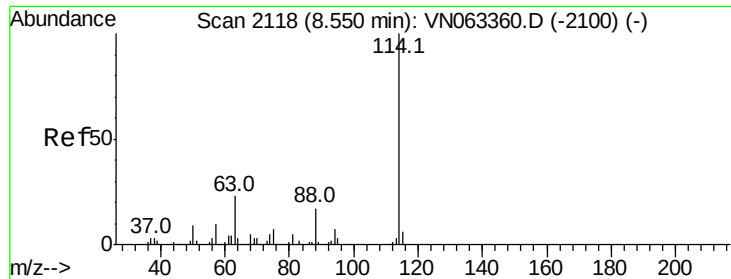
#33
1,2-Dichloroethane-d4
Concen: 49.119 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063444.D
Acq: 18 Sep 2020 1:58

Tgt Ion: 65 Resp: 198912
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.2



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

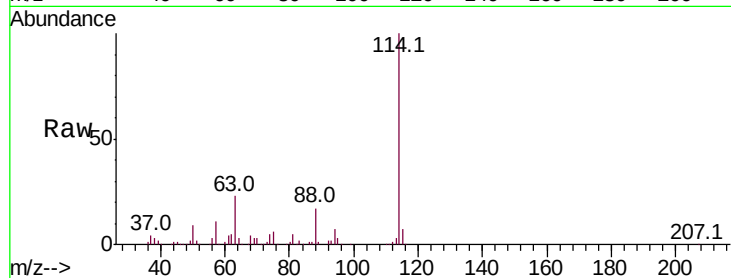




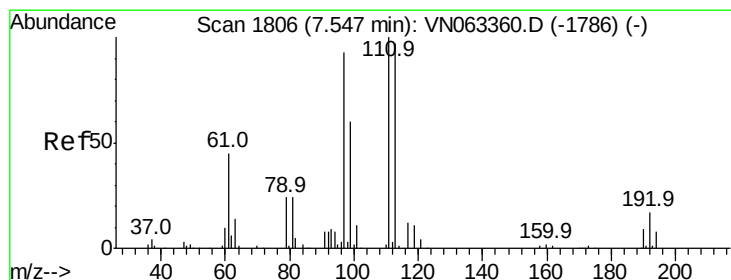
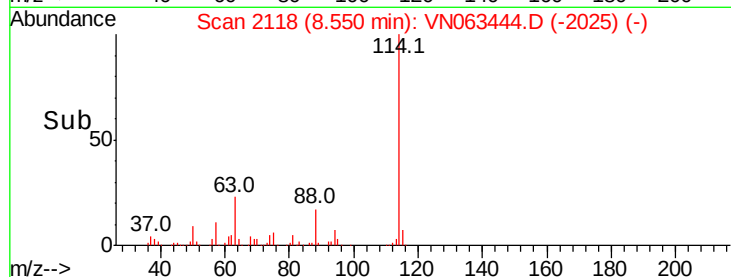
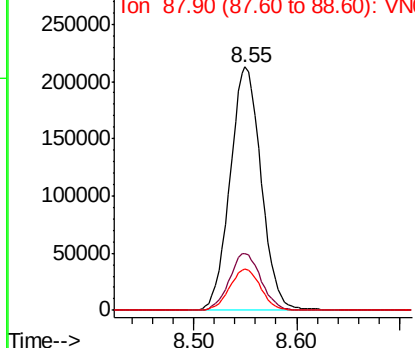
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN063444.D
Acq: 18 Sep 2020 1:58

Instrument :
MSVOA_N
ClientSampled :
B16-1-3

Tot Ion:114 Resp: 447056
Ion Ratio Lower Upper
114 100
63 23.4 0.0 46.4
88 16.9 0.0 33.2

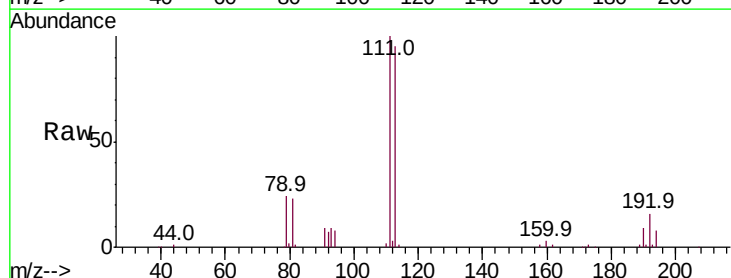


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

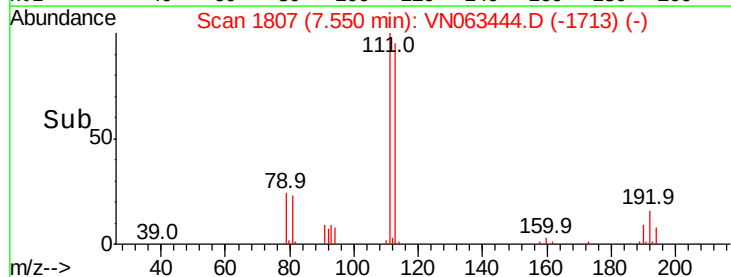
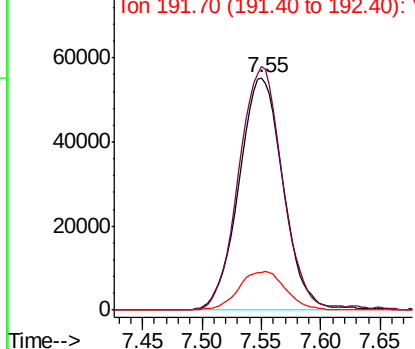


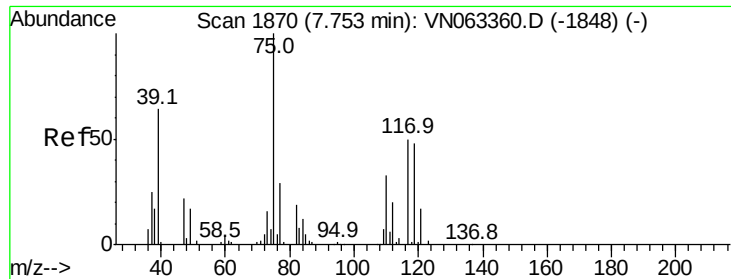
#35
Dibromofluoromethane
Concen: 45.849 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063444.D
Acq: 18 Sep 2020 1:58

Tgt Ion:113 Resp: 141897
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 17.7 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: 4.759 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063444.D

Acq: 18 Sep 2020 1:58

Instrument :

MSVOA_N

ClientSampled :

B16-1-3

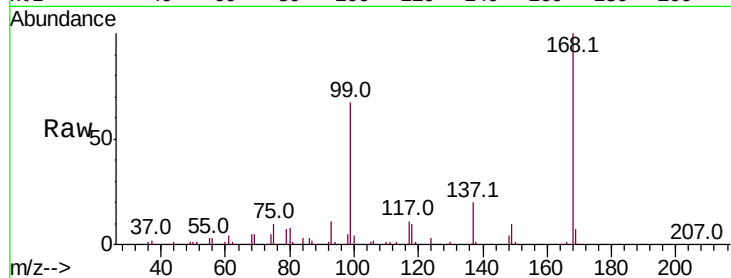
Tot Ion: 75 Resp: 22667

Ion Ratio Lower Upper

75 100

110 4.3 16.5 49.5#

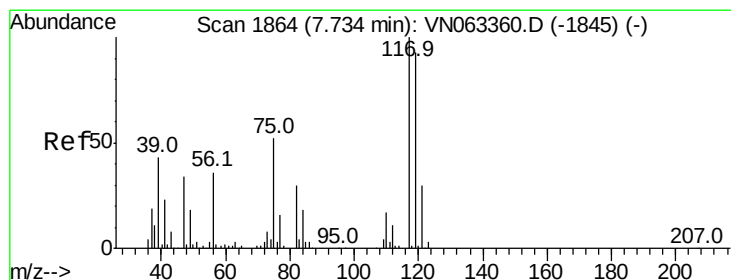
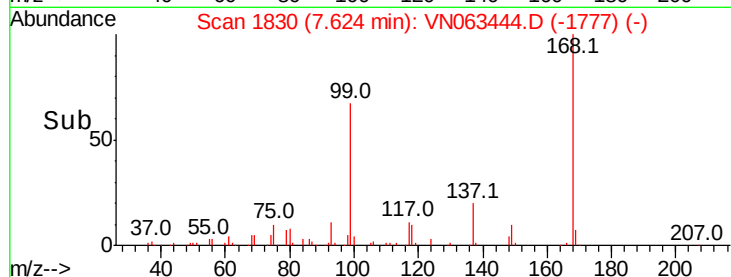
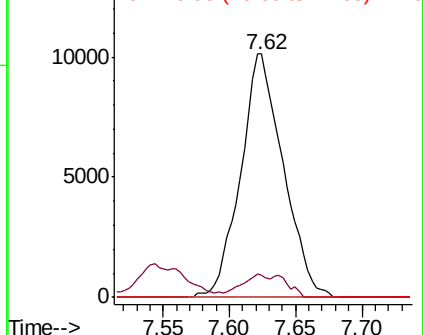
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 5.458 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063444.D

Acq: 18 Sep 2020 1:58

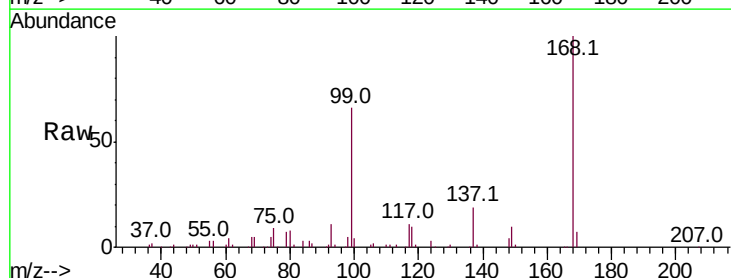
Tgt Ion: 117 Resp: 26536

Ion Ratio Lower Upper

117 100

119 5.1 74.5 111.7#

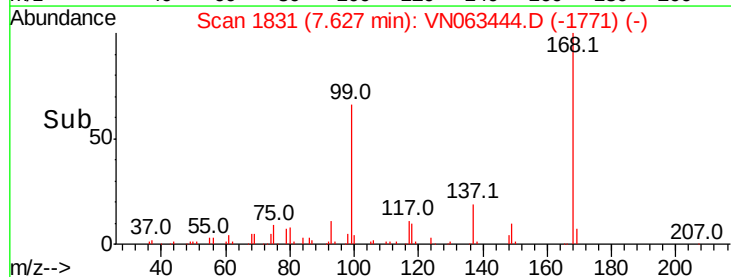
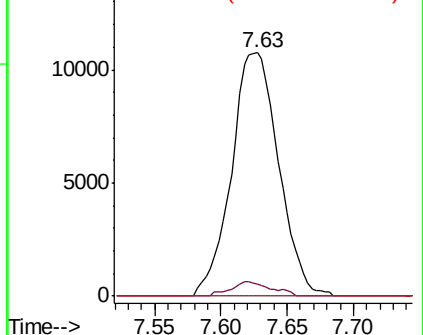
121 0.0 24.1 36.1#

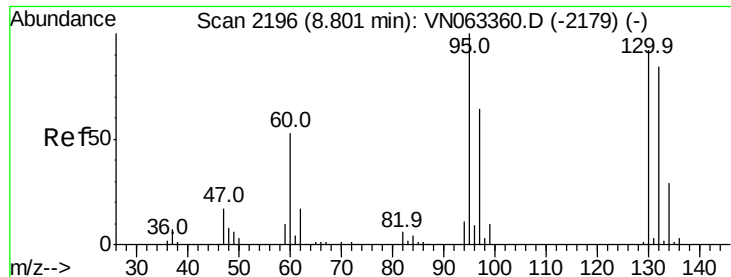


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063360.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063360.D (-1845) (-)





#44

Trichloroethene

Concen: 0.900 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN063444.D

Acq: 18 Sep 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

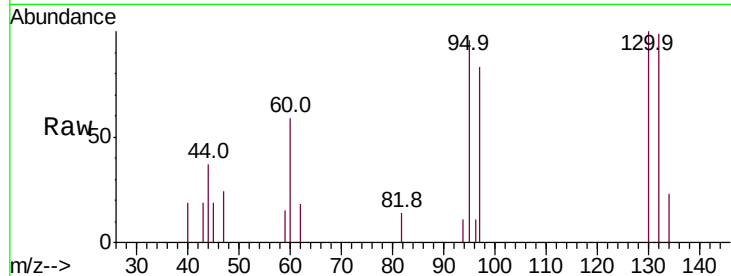
B16-1-3

Tot Ion:130 Resp: 2967

Ion Ratio Lower Upper

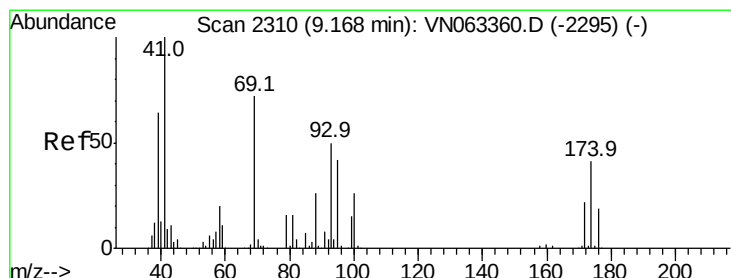
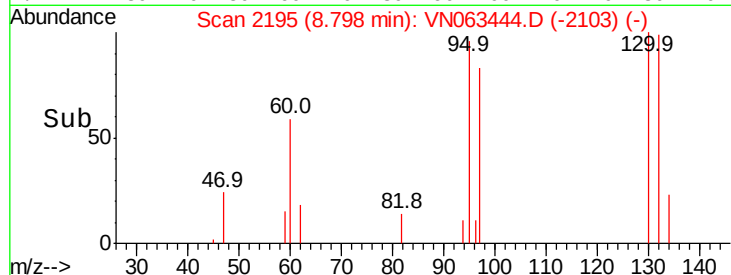
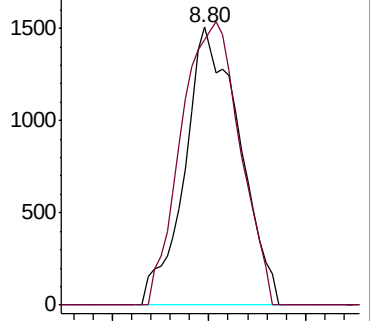
130 100

95 95.6 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#49

1,4-Dioxane

Concen: 1.069 ug/l

RT: 9.16 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN063444.D

Acq: 18 Sep 2020 1:58

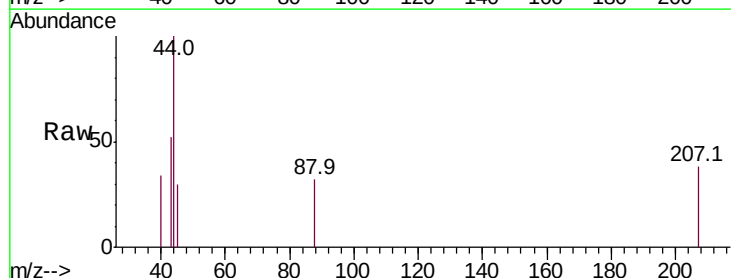
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 1381.0 32.6 49.0#

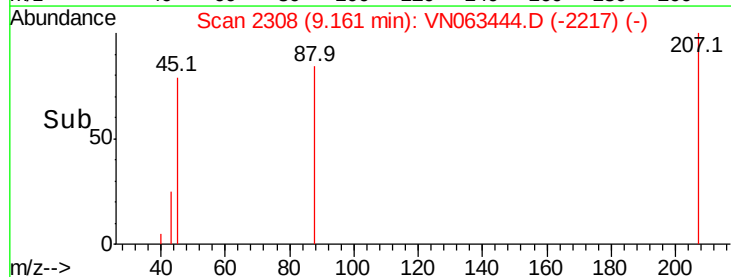
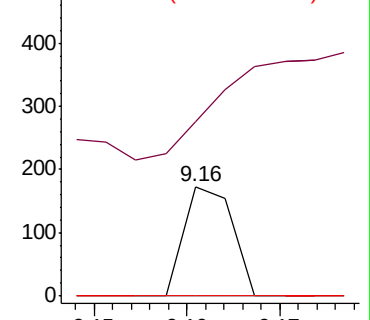
58 0.0 60.0 90.0#

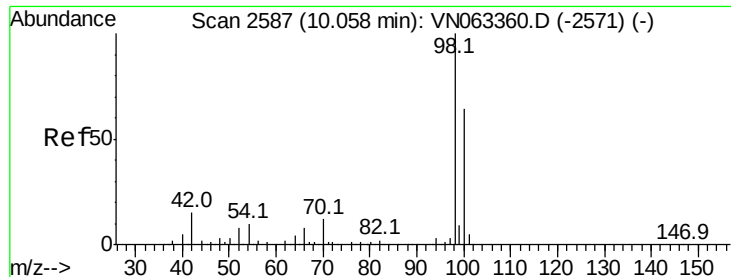


Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#50

Toluene-d8

Concen: 49.386 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063444.D

Acq: 18 Sep 2020 1:58

Instrument :

MSVOA_N

ClientSampled :

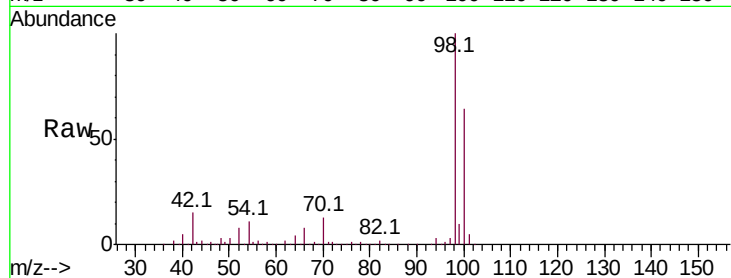
B16-1-3

Tot Ion: 98 Resp: 574718

Ion Ratio Lower Upper

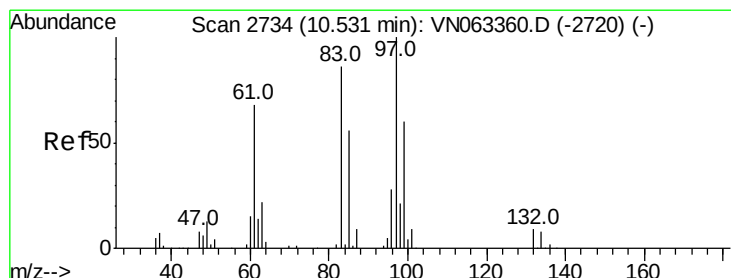
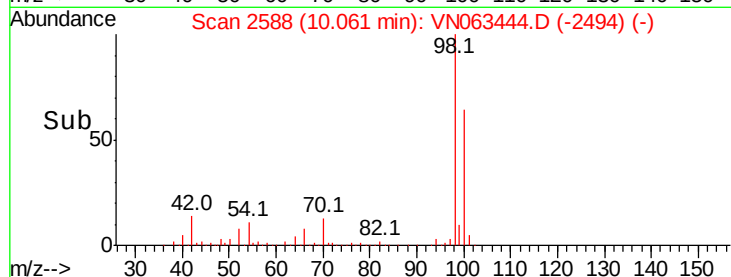
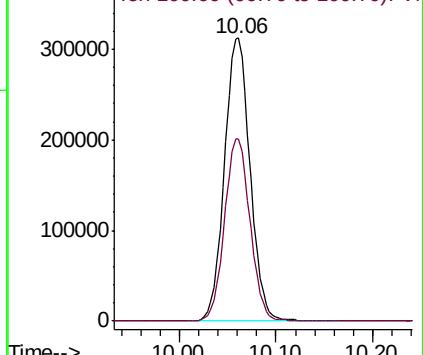
98 100

100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#55

1,1,2-Trichloroethane

Concen: 0.871 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. 0.07 min

Lab File: VN063444.D

Acq: 18 Sep 2020 1:58

Tgt Ion: 97 Resp: 2829

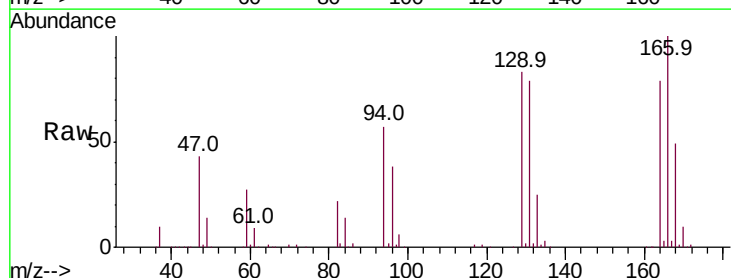
Ion Ratio Lower Upper

97 100

83 230.1 68.9 103.3#

85 42.9 44.8 67.2#

99 18.5 47.8 71.8#

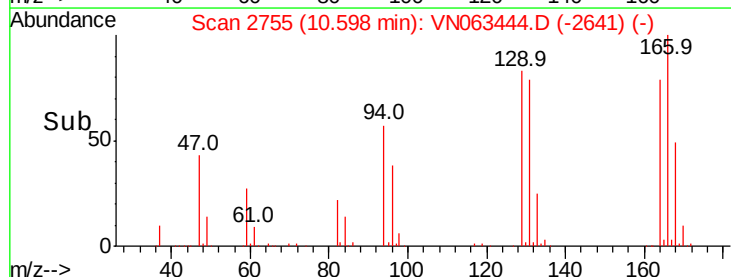
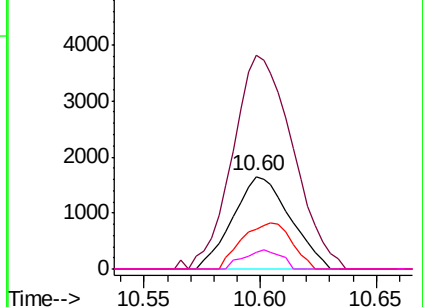


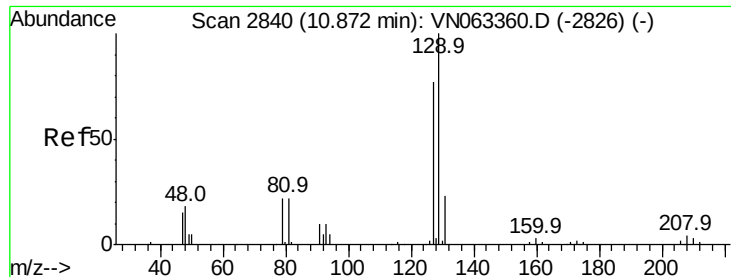
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#60

Dibromochloromethane

Concen: 71.958 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063444.D

Acq: 18 Sep 2020 1:58

Instrument :

MSVOA_N

ClientSampled :

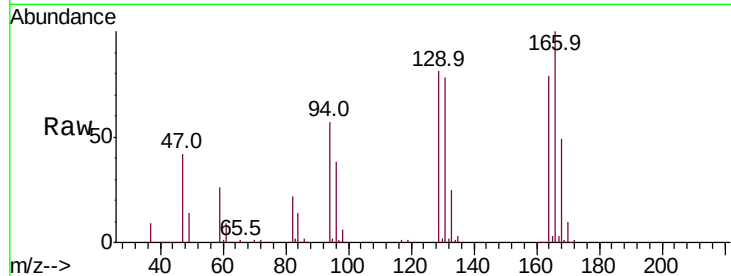
B16-1-3

Tot Ion:129 Resp: 263951

Ion Ratio Lower Upper

129 100

127 0.1 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.60

150000

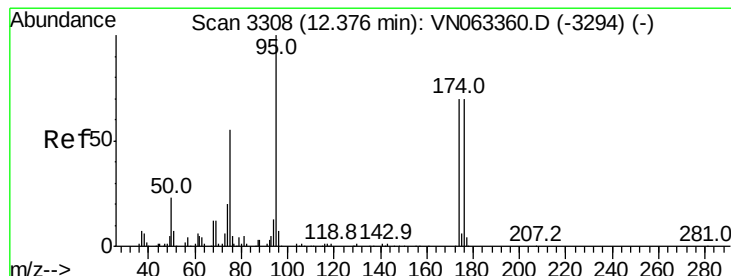
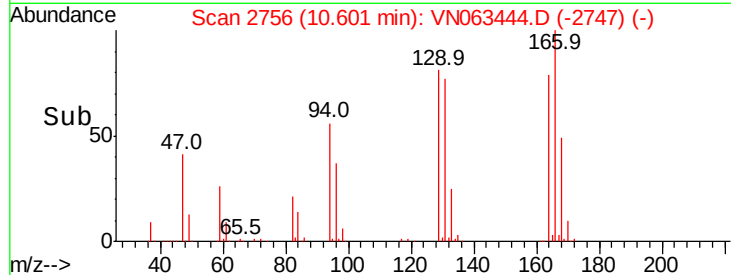
100000

50000

0

Time-->

10.55 10.60 10.65



#62

4-Bromofluorobenzene

Concen: 54.004 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063444.D

Acq: 18 Sep 2020 1:58

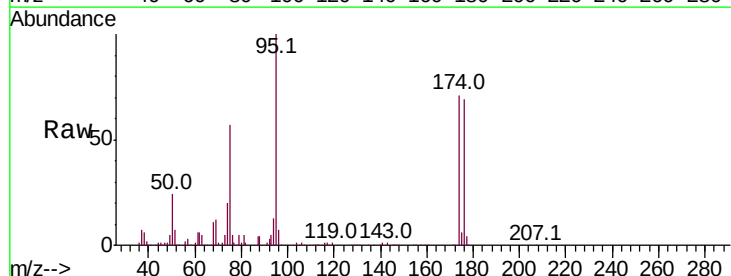
Tgt Ion: 95 Resp: 230384

Ion Ratio Lower Upper

95 100

174 70.3 0.0 140.8

176 69.0 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

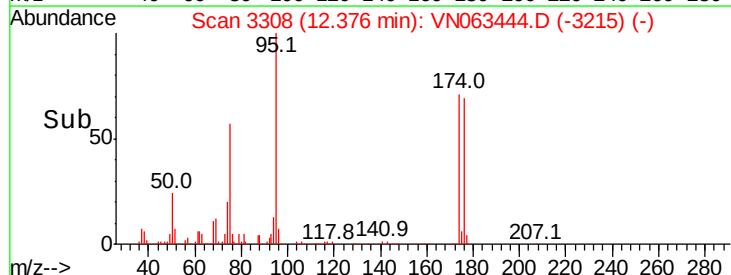
100000

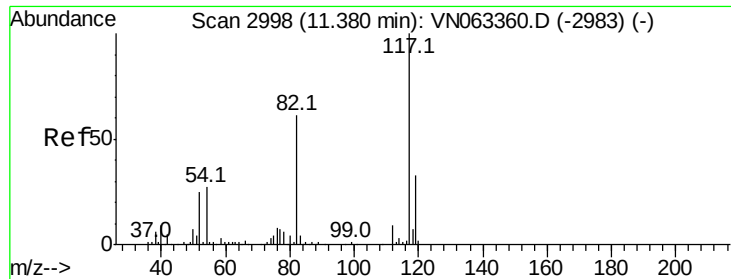
50000

0

Time-->

12.30 12.40 12.50

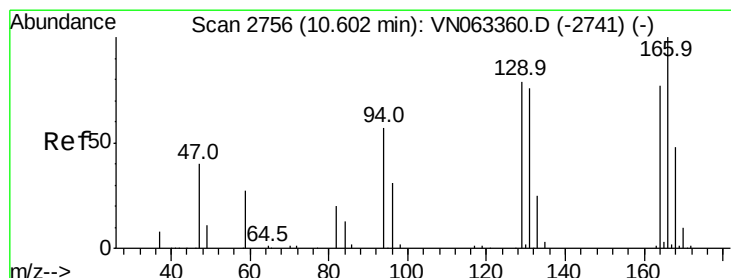
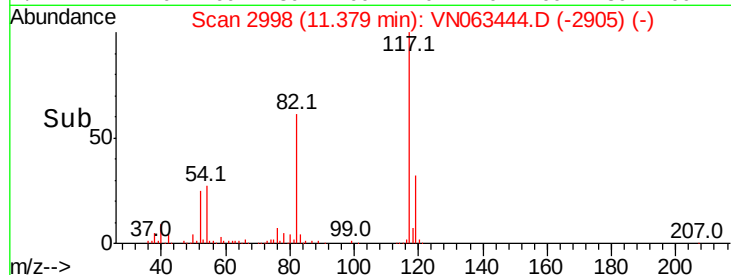
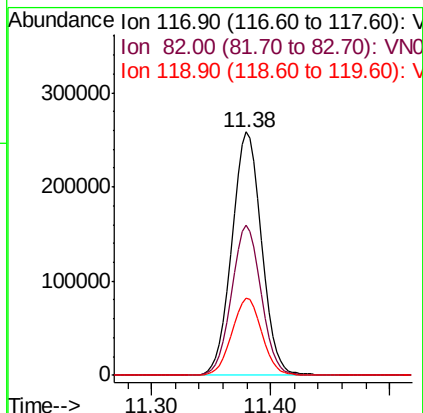
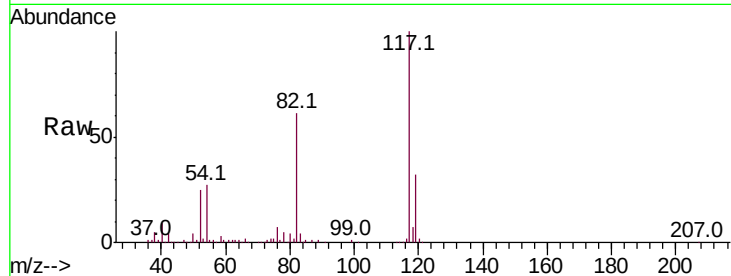




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063444.D
Acq: 18 Sep 2020 1:58

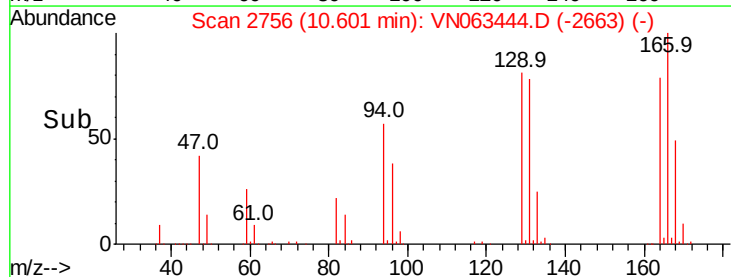
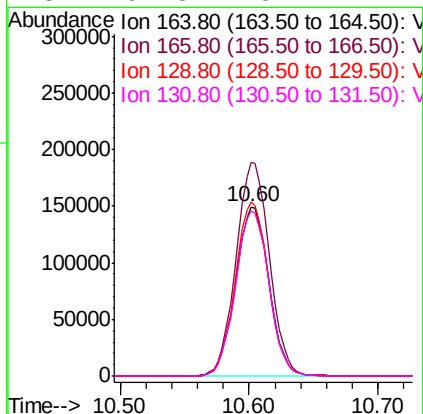
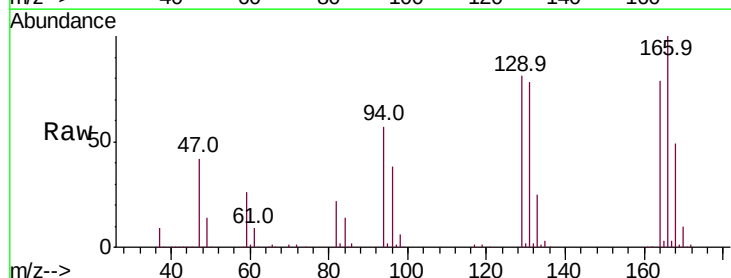
Instrument :
MSVOA_N
ClientSampleId :
B16-1-3

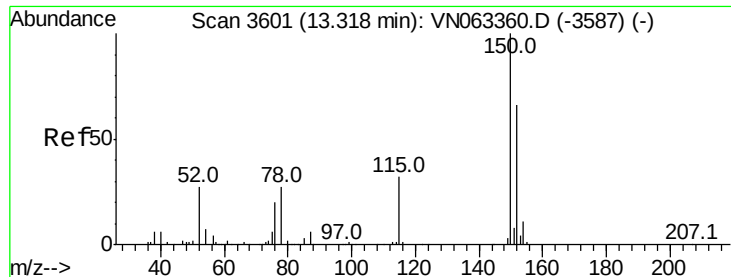
Tot Ion:117 Resp: 448190
Ion Ratio Lower Upper
117 100
82 61.5 49.2 73.8
119 31.5 26.2 39.4



#64
Tetrachloroethene
Concen: 88.124 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063444.D
Acq: 18 Sep 2020 1:58

Tgt Ion:164 Resp: 268940
Ion Ratio Lower Upper
164 100
166 126.0 103.4 155.0
129 102.5 81.8 122.6
131 97.8 78.2 117.4

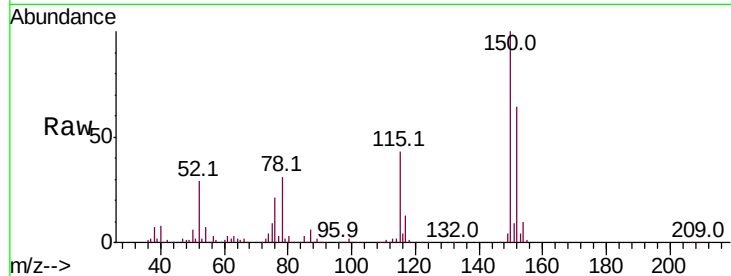




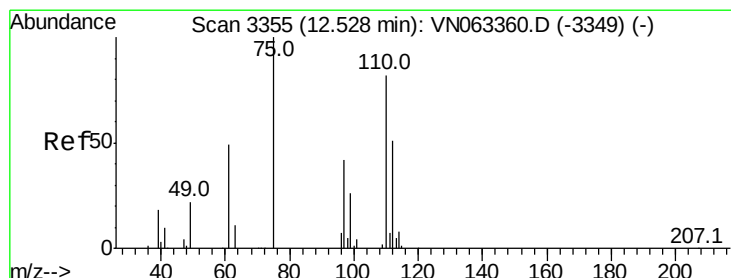
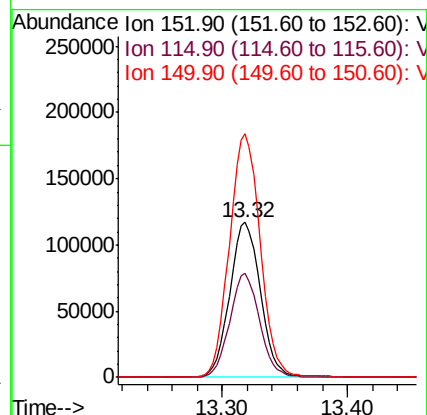
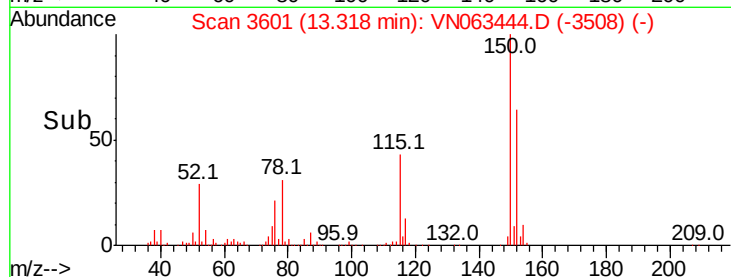
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VN063444.D
 Acq: 18 Sep 2020 1:58

Instrument :
 MSVOA_N
 ClientSampled :
 B16-1-3

Tot Ion:152 Resp: 199362
 Ion Ratio Lower Upper
 152 100
 115 65.5 32.2 96.6
 150 157.6 0.0 343.4

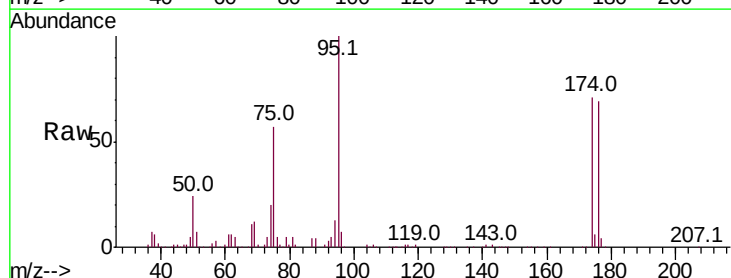


Abundance Ion 151.90 (151.60 to 152.60): V
 250000 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

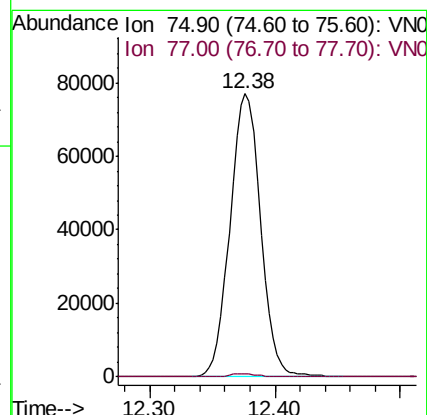
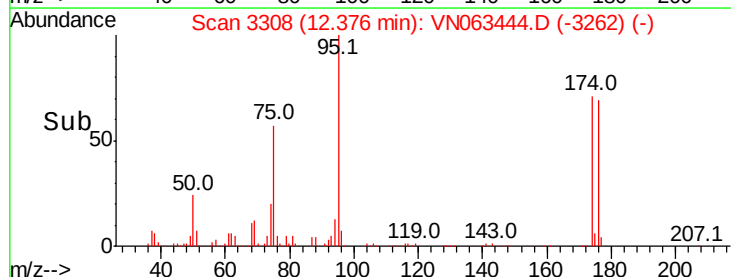


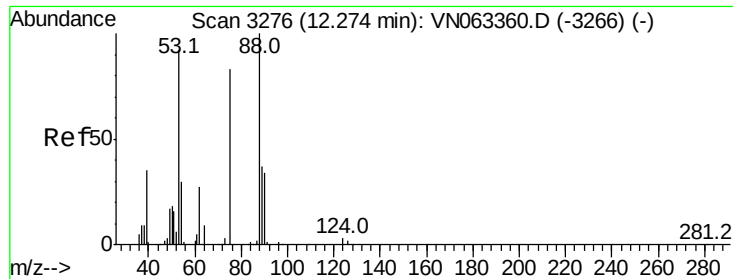
#76
 1,2,3-Trichloropropane
 Concen: 26.431 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063444.D
 Acq: 18 Sep 2020 1:58

Tgt Ion: 75 Resp: 130423
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 72.464 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063444.D

Acq: 18 Sep 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

B16-1-3

Tot Ion: 75 Resp: 130423

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

