

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091420\
 Data File : VN063339.D
 Acq On : 14 Sep 2020 13:43
 Operator : JC/MD
 Sample : L3981-02ME 20X
 Misc : 8.67g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B17-4-6ME

Quant Time: Sep 15 05:09:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	390258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	739640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	712407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	306514	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	300709	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	7.55	113	231128	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	10.06	98	932130	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.38	95	354721	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

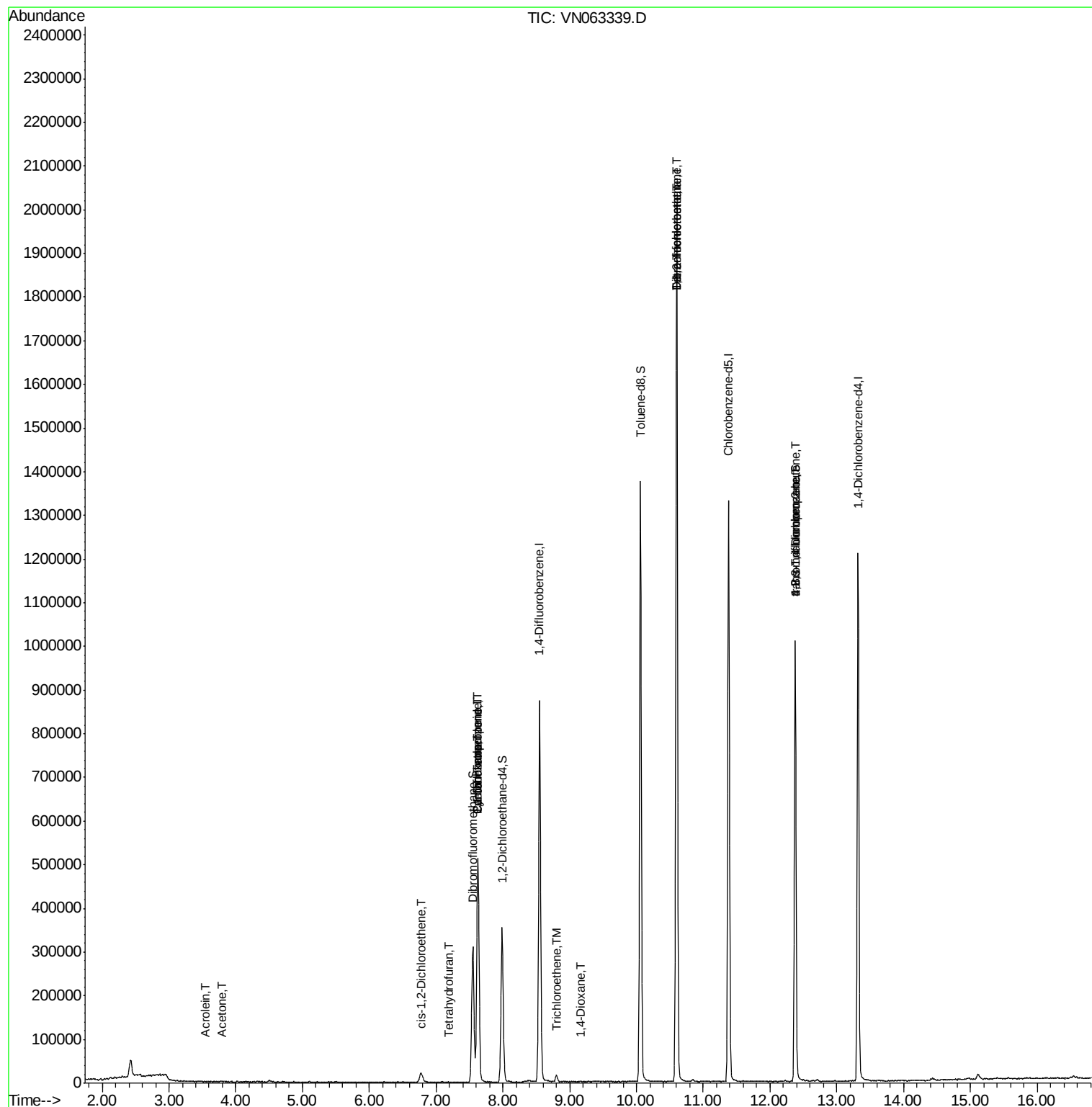
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1524	Below Cal		98
13) Acrolein	3.56	56	138	32.729	ug/l #	49
16) Acetone	3.78	43	429	0.203	ug/l #	46
17) Carbon Disulfide	4.02	76	480	Below Cal	#	1
20) Methylene Chloride	4.51	84	1884	Below Cal	#	76
27) cis-1,2-Dichloroethene	6.78	96	3533	0.633	ug/l	89
29) Tetrahydrofuran	7.18	42	670	0.329	ug/l #	40
31) Cyclohexane	7.63	56	10999	1.279	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	34520	4.541	ug/l #	52
38) Carbon Tetrachloride	7.63	117	42496	5.679	ug/l #	17
44) Trichloroethene	8.80	130	5143	0.906	ug/l	94
49) 1,4-Dioxane	9.17	88	130	1.389	ug/l #	18
55) 1,1,2-Trichloroethane	10.60	97	4120	0.793	ug/l #	18
60) Dibromochloromethane	10.60	129	407408	71.415	ug/l #	10
64) Tetrachloroethene	10.60	164	416090	71.297	ug/l	98
76) 1,2,3-Trichloropropane	12.38	75	195282	28.879	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	195282	77.591	ug/l #	9
88) 1,4-Dichlorobenzene	13.32	146	526	Below Cal	#	1
94) Hexachlorobutadiene	14.98	225	126	Below Cal	#	19
95) Naphthalene	15.11	128	4450	Below Cal		99
96) 1,2,3-Trichlorobenzene	15.28	180	60	Below Cal	#	1

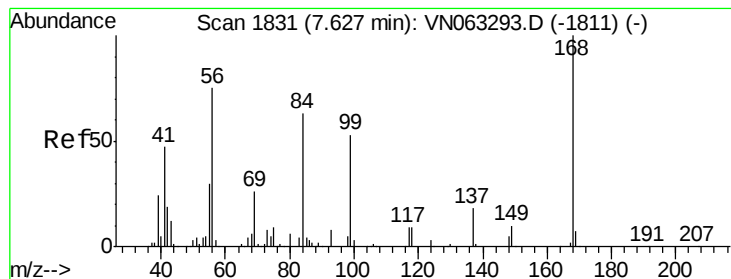
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
B17-4-6ME

Quant Time: Sep 15 05:09:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 11 06:02:56 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: VN063339.D

Acq: 14 Sep 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

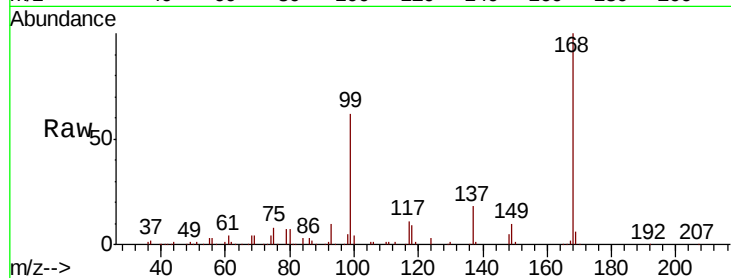
B17-4-6ME

Tot Ion:168 Resp: 390258

Ion Ratio Lower Upper

168 100

99 61.7 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

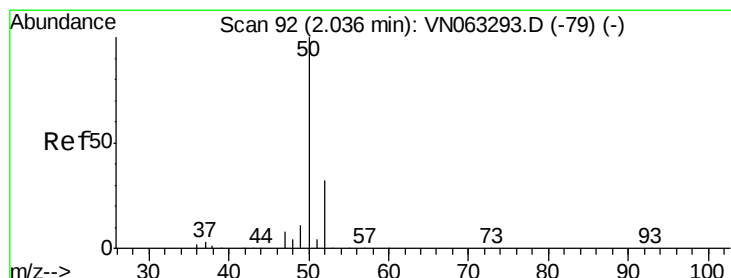
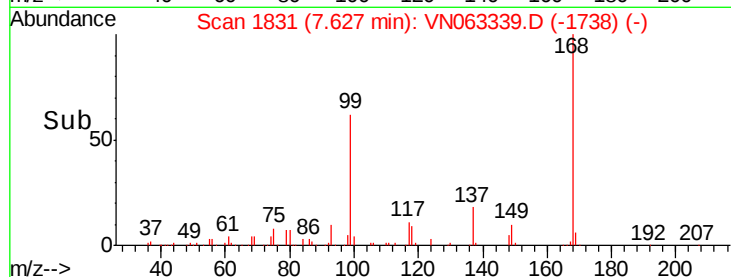
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063339.D

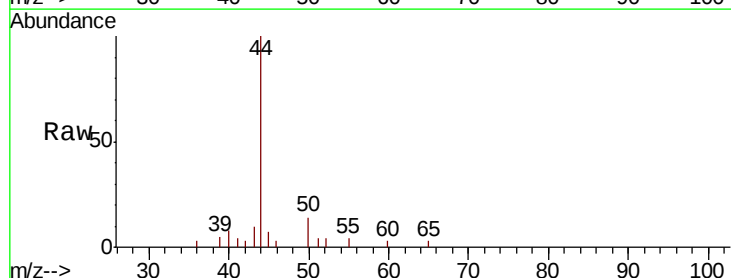
Acq: 14 Sep 2020 13:43

Tgt Ion: 50 Resp: 1524

Ion Ratio Lower Upper

50 100

52 32.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

800

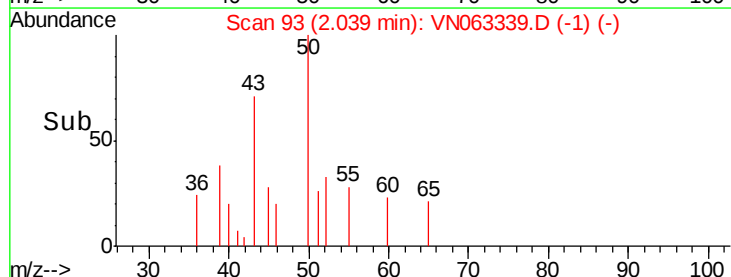
600

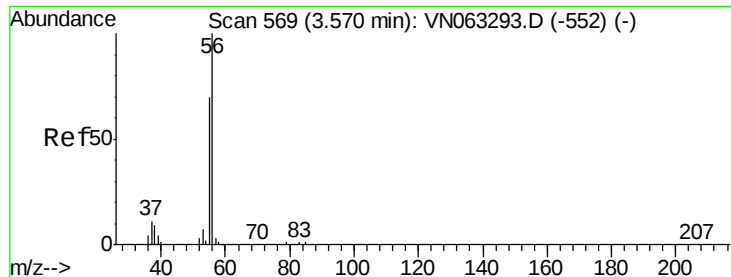
400

200

0

Time--> 2.00 2.05





#13

Acrolein

Concen: 32.729 ug/l

RT: 3.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

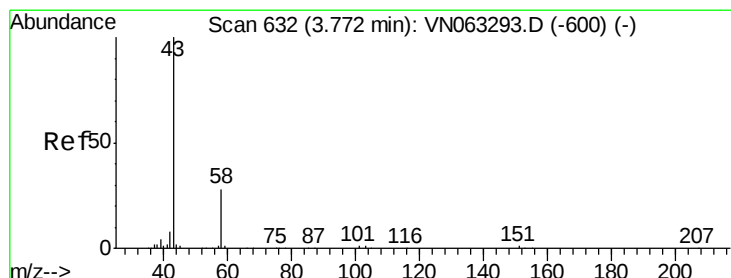
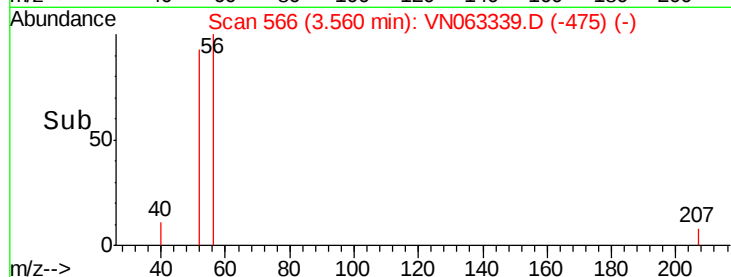
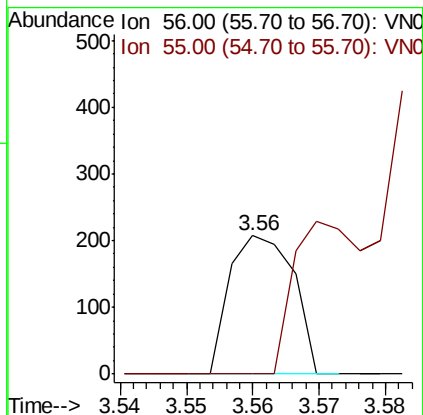
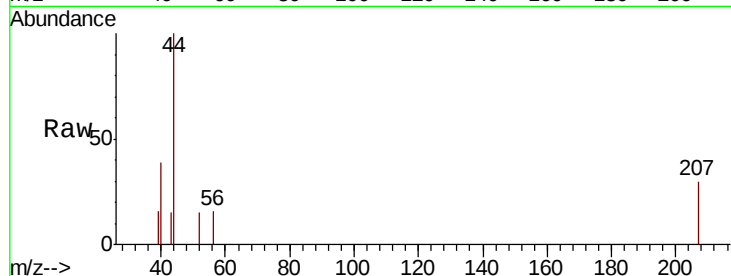
B17-4-6ME

Tot Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 113.8 57.2 85.8#



#16

Acetone

Concen: 0.203 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063339.D

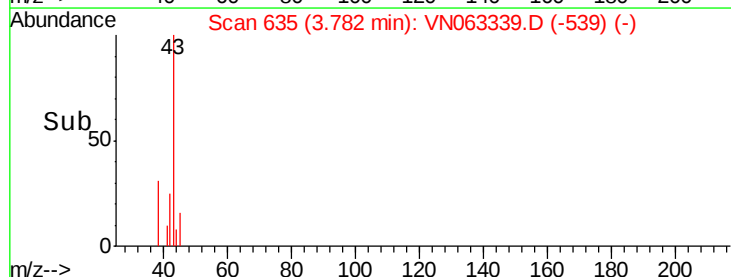
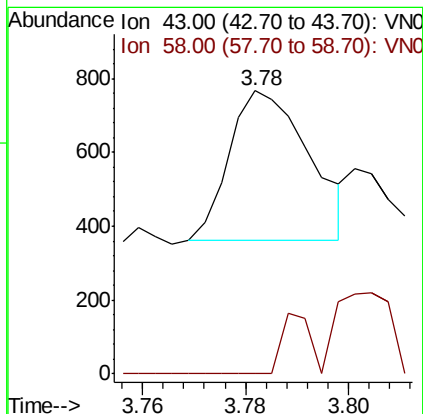
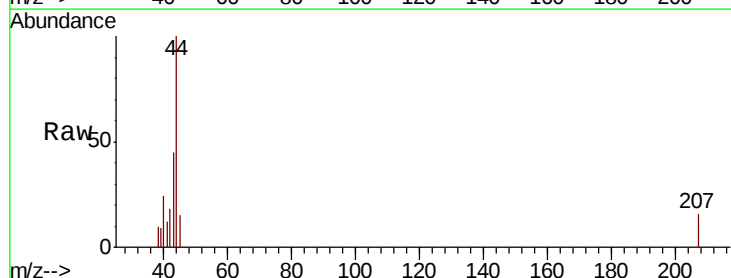
Acq: 14 Sep 2020 13:43

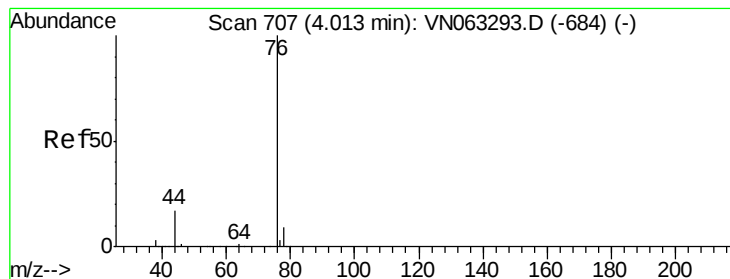
Tgt Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

58 0.0 22.6 34.0#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

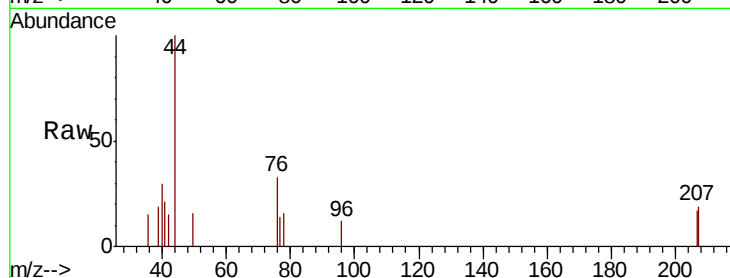
B17-4-6ME

Tot Ion: 76 Resp: 480

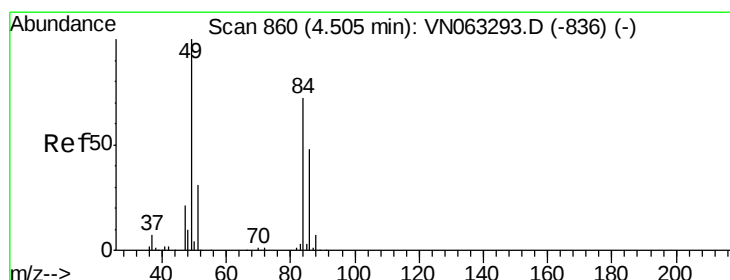
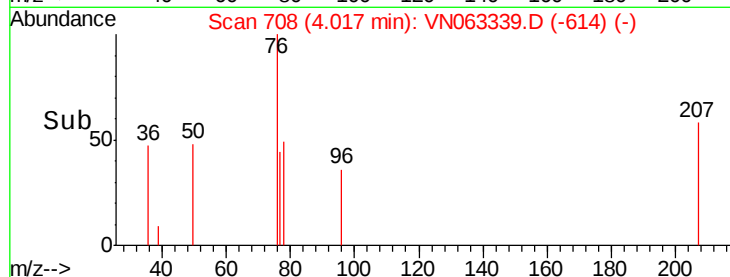
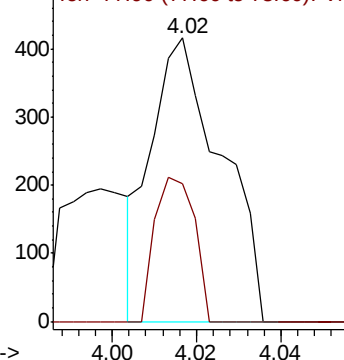
Ion Ratio Lower Upper

76 100

78 48.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

Tgt Ion: 84 Resp: 1884

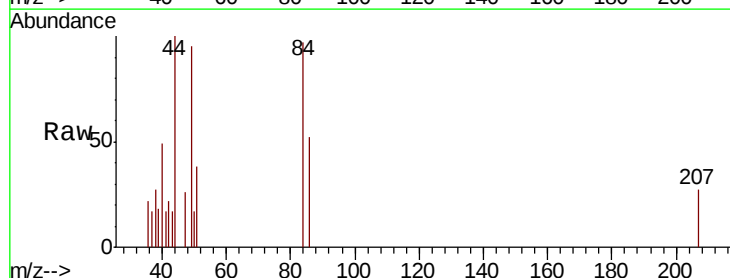
Ion Ratio Lower Upper

84 100

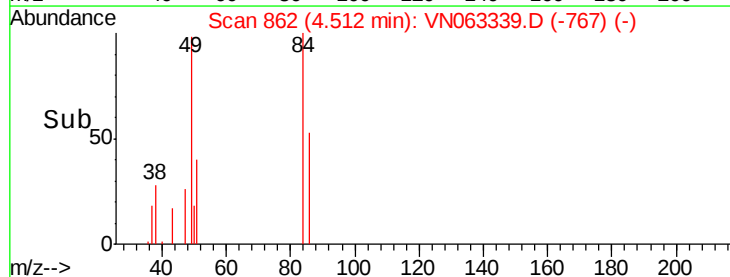
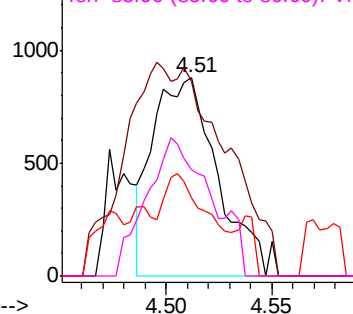
49 98.2 111.1 166.7#

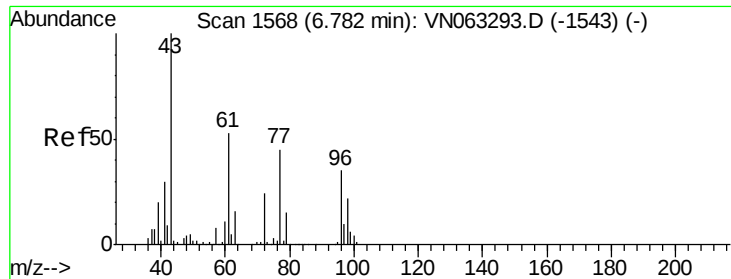
51 39.7 34.3 51.5

86 53.5 52.9 79.3



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





#27

cis-1,2-Dichloroethene

Concen: 0.633 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

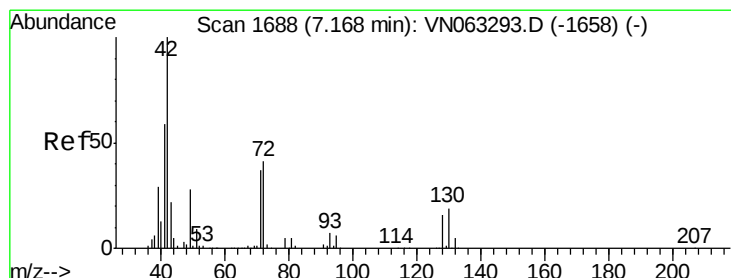
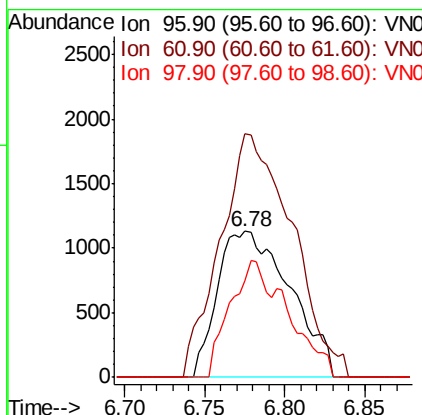
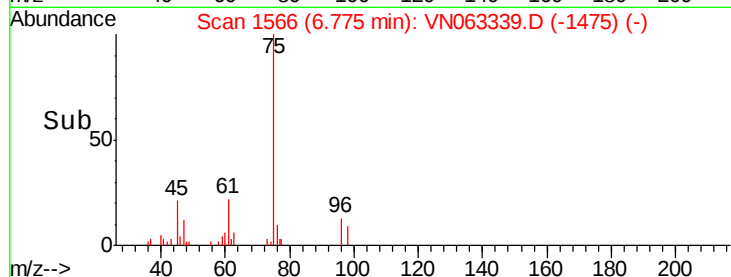
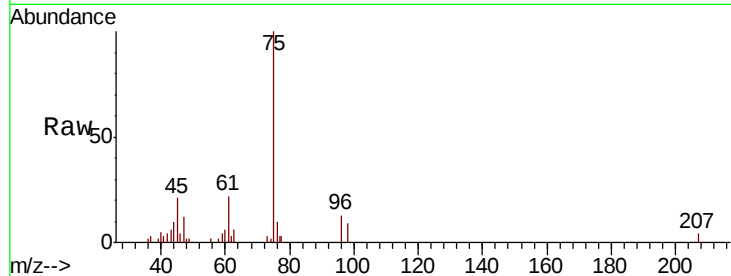
Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

Instrument :
MSVOA_N
ClientSampleId :
B17-4-6ME

Tot Ion: 96 Resp: 3533

Ion	Ratio	Lower	Upper
96	100		
61	164.4	0.0	322.8
98	41.0	0.0	132.2



#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 7.18 min Scan# 1693

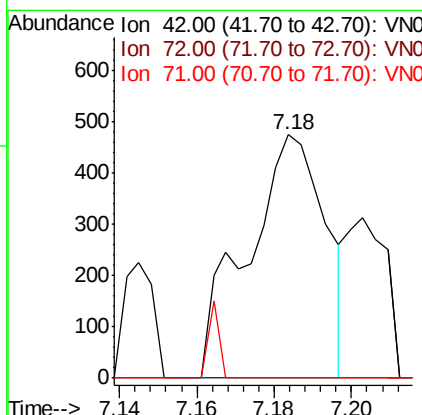
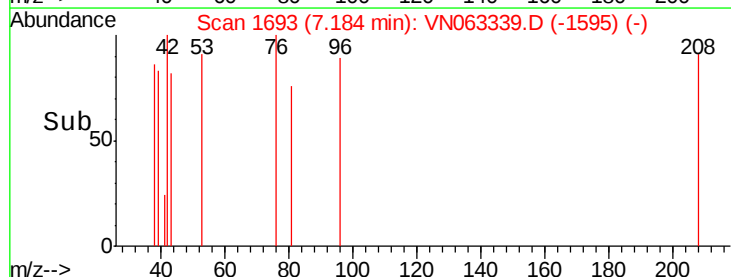
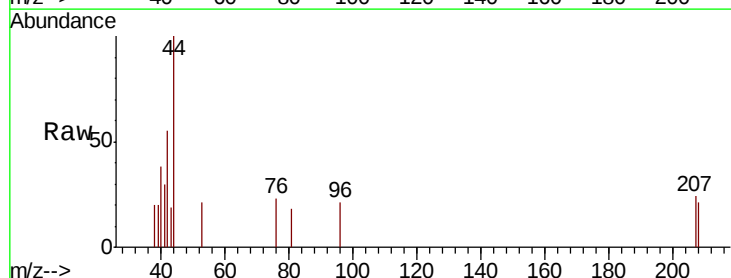
Delta R.T. 0.02 min

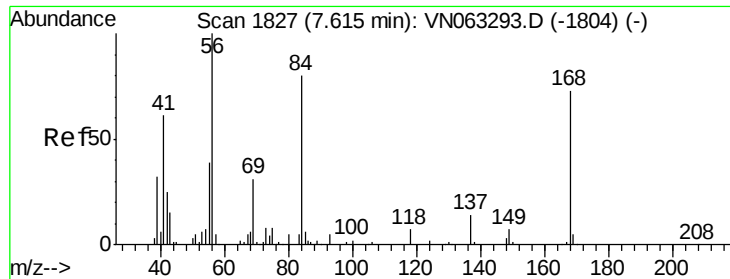
Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

Tgt Ion: 42 Resp: 670

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	4.3	30.0	45.0#

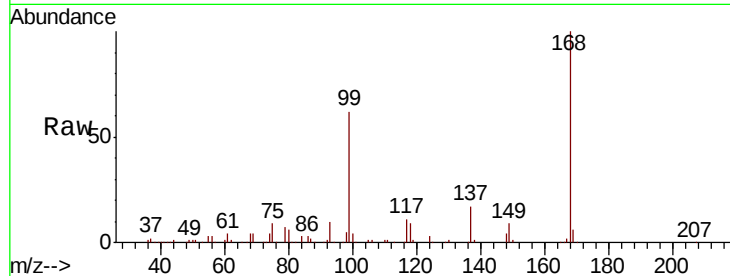




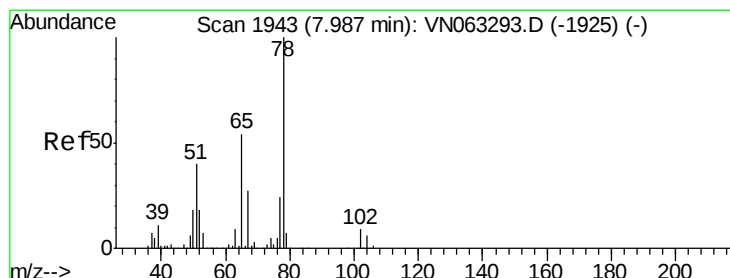
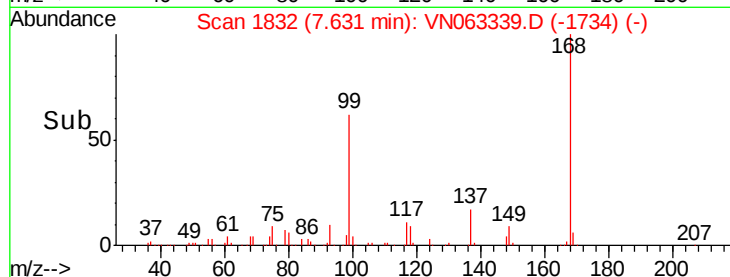
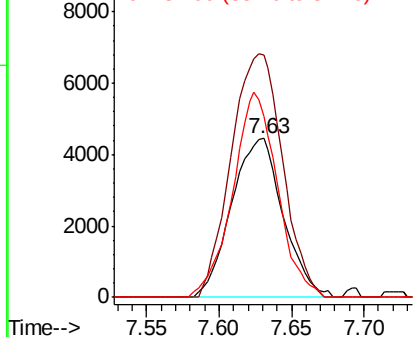
#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063339.D
Acq: 14 Sep 2020 13:43

Instrument :
MSVOA_N
ClientSampleId :
B17-4-6ME

Tot Ion: 56 Resp: 10999
Ion Ratio Lower Upper
56 100
69 152.4 25.1 37.7#
84 113.9 64.2 96.2#

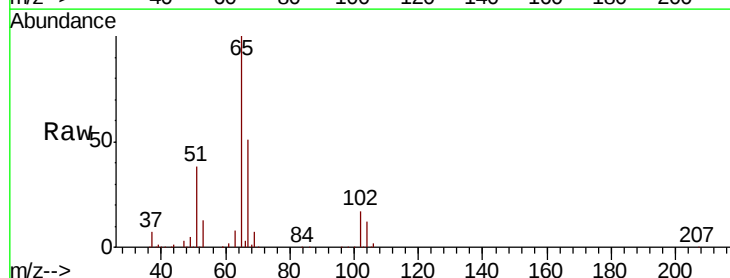


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

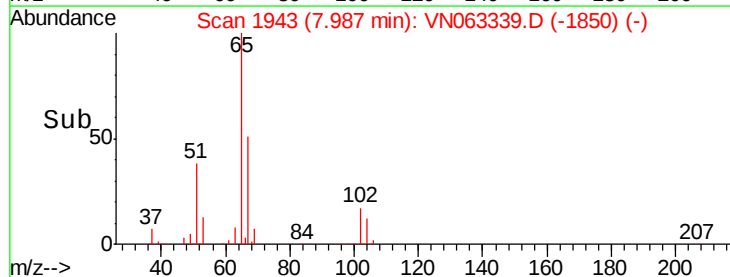
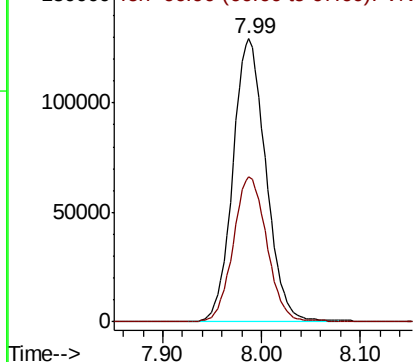


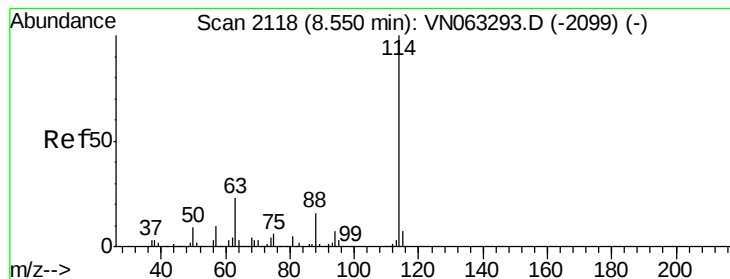
#33
1,2-Dichloroethane-d4
Concen: 49.043 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063339.D
Acq: 14 Sep 2020 13:43

Tgt Ion: 65 Resp: 300709
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.6



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: VN063339.D

Acq: 14 Sep 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

B17-4-6ME

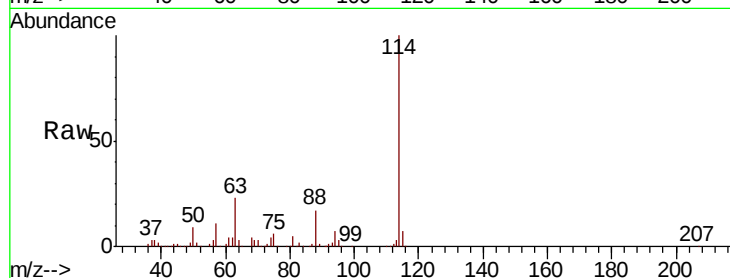
Tot Ion:114 Resp: 739640

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.0

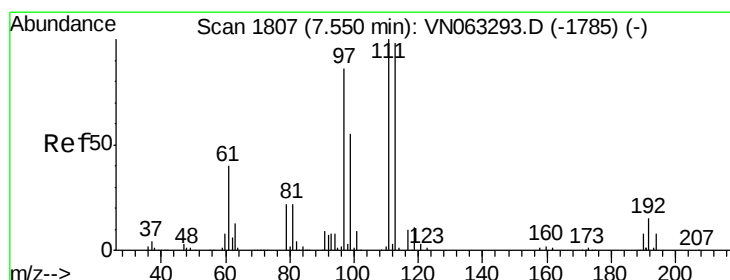
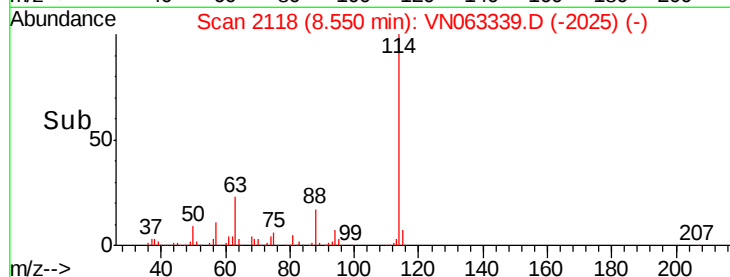
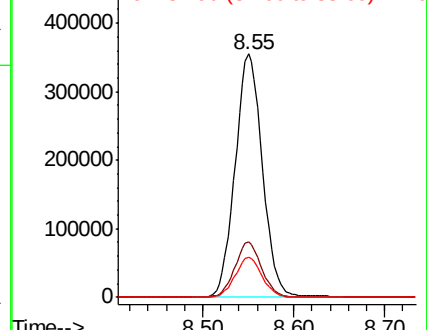
88 16.6 0.0 32.8



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: 48.438 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

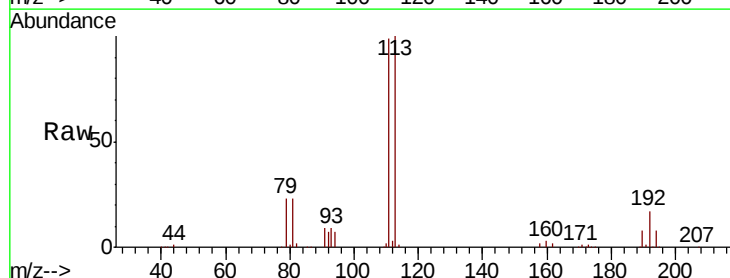
Tgt Ion:113 Resp: 231128

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

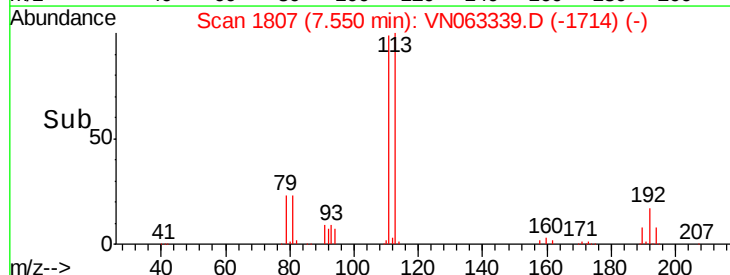
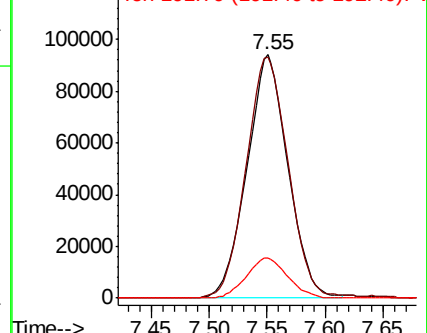
192 16.6 12.9 19.3

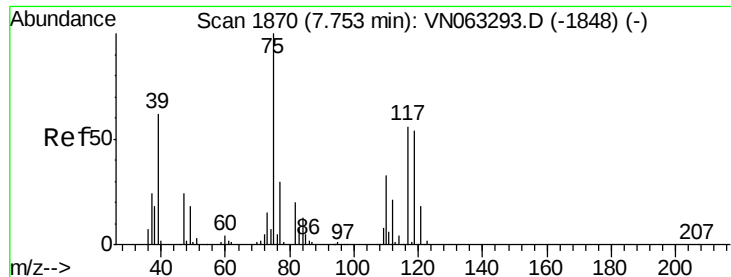


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

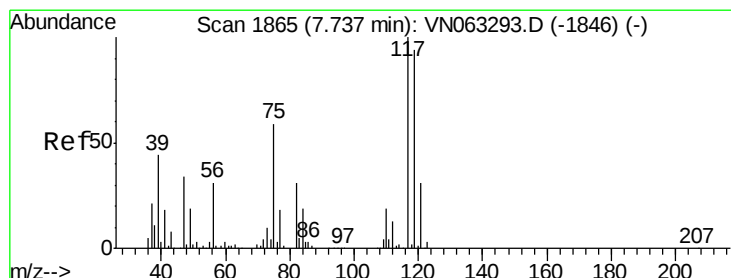
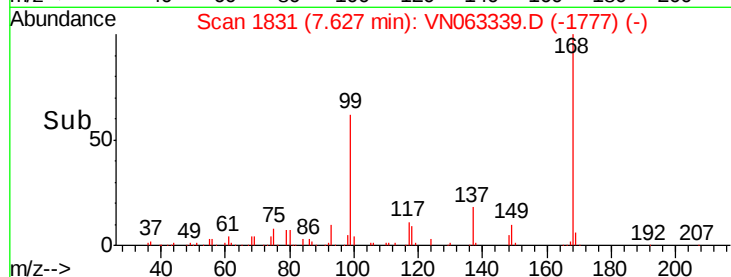
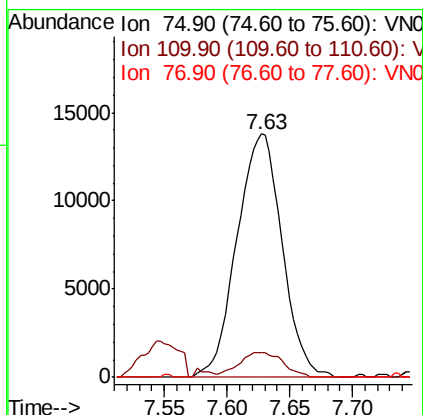
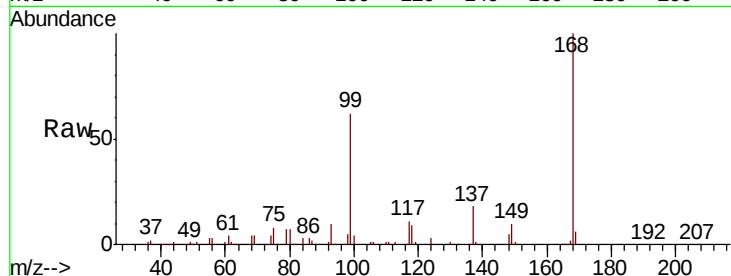




#36
 1,1-Dichloropropene
 Concen: 4.541 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063339.D
 Acq: 14 Sep 2020 13:43

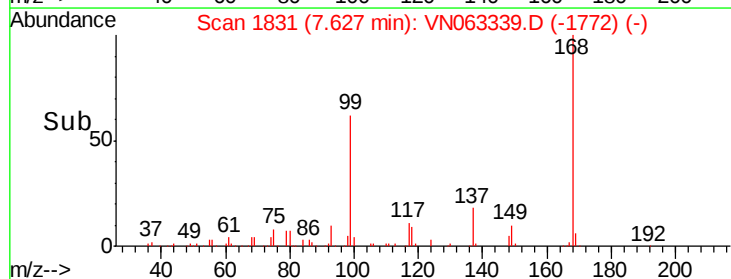
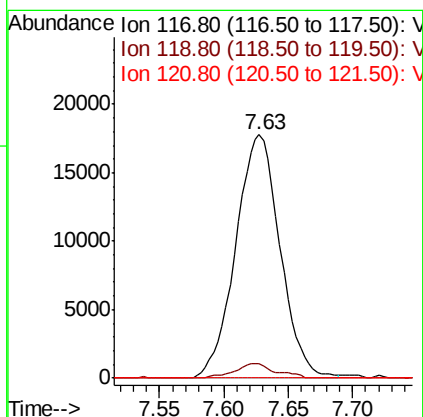
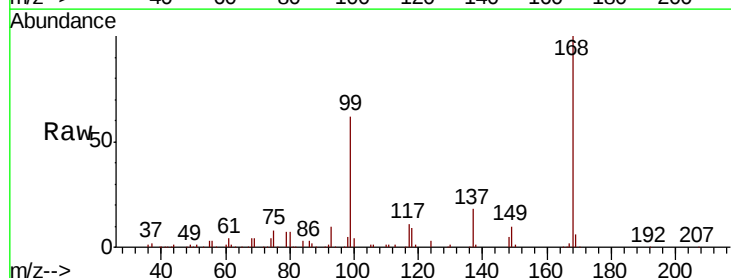
Instrument :
 MSVOA_N
 ClientSampled :
 B17-4-6ME

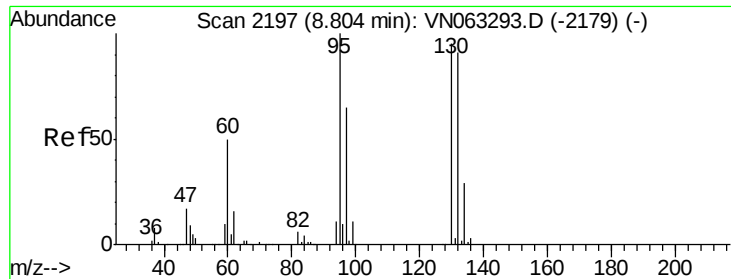
Tot Ion: 75 Resp: 34520
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.4 49.4#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.679 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063339.D
 Acq: 14 Sep 2020 13:43

Tgt Ion: 117 Resp: 42496
 Ion Ratio Lower Upper
 117 100
 119 5.9 75.3 112.9#
 121 0.0 24.6 37.0#

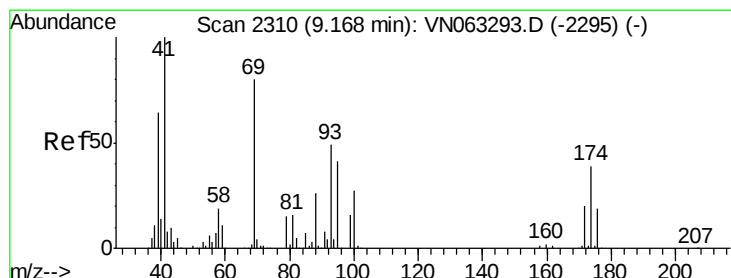
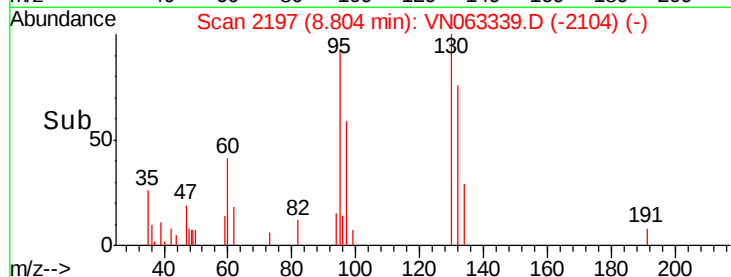
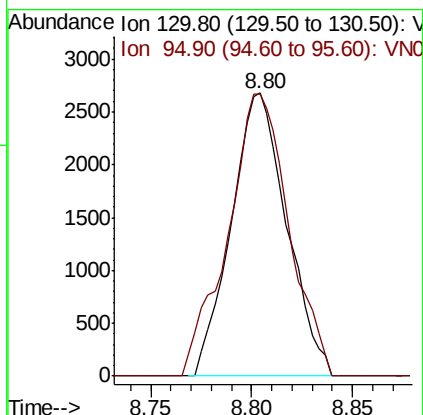
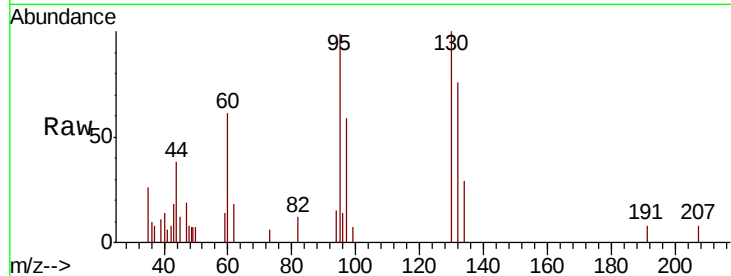




#44
 Trichloroethene
 Concen: 0.906 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN063339.D
 Acq: 14 Sep 2020 13:43

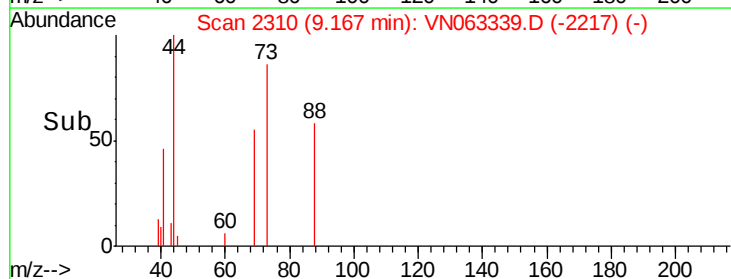
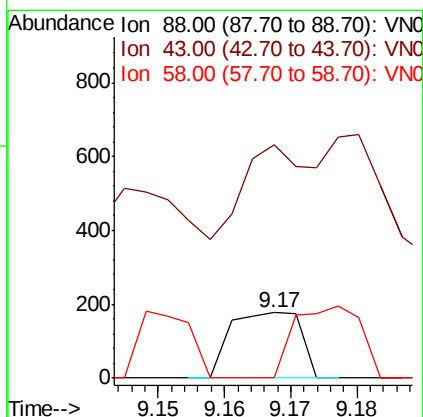
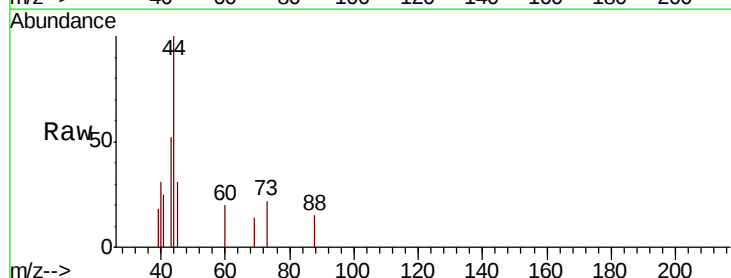
Instrument :
 MSVOA_N
 ClientSampleId :
 B17-4-6ME

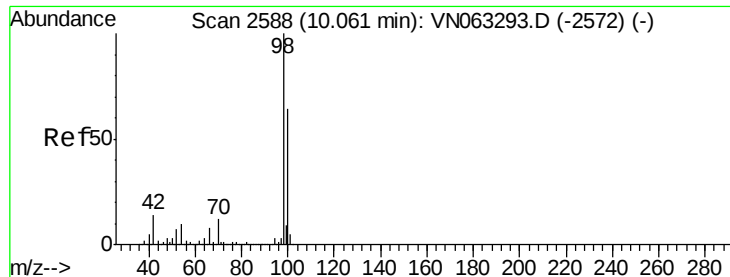
Tot Ion:130 Resp: 5143
 Ion Ratio Lower Upper
 130 100
 95 99.5 0.0 210.8



#49
 1,4-Dioxane
 Concen: 1.389 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN063339.D
 Acq: 14 Sep 2020 13:43

Tgt Ion: 88 Resp: 130
 Ion Ratio Lower Upper
 88 100
 43 140.0 30.5 45.7#
 58 104.6 58.9 88.3#





#50

Toluene-d8

Concen: 50.975 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

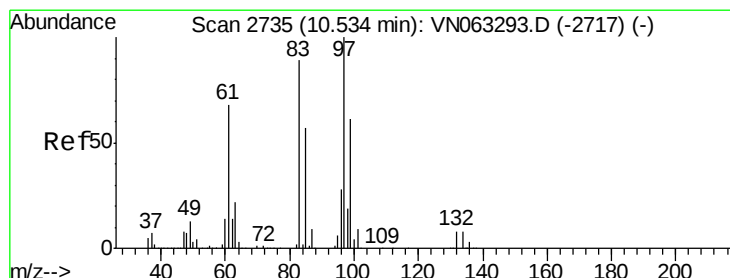
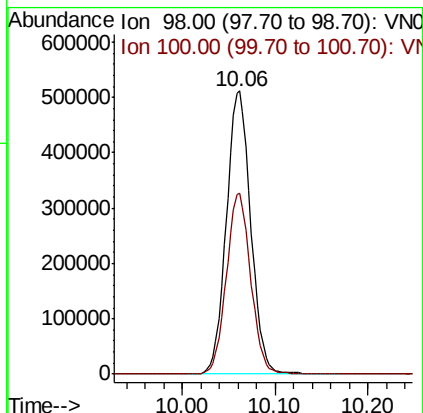
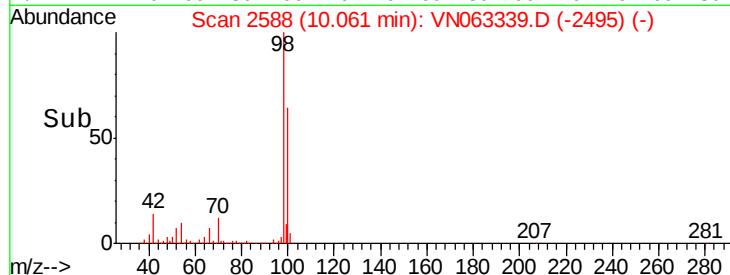
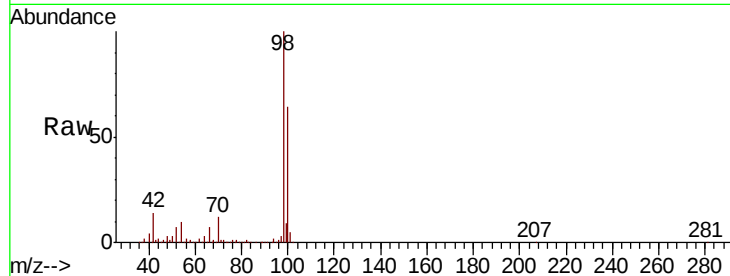
B17-4-6ME

Tot Ion: 98 Resp: 932130

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1



#55

1,1,2-Trichloroethane

Concen: 0.793 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.07 min

Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

Tgt Ion: 97 Resp: 4120

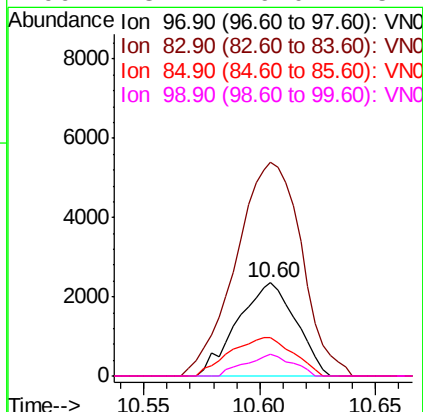
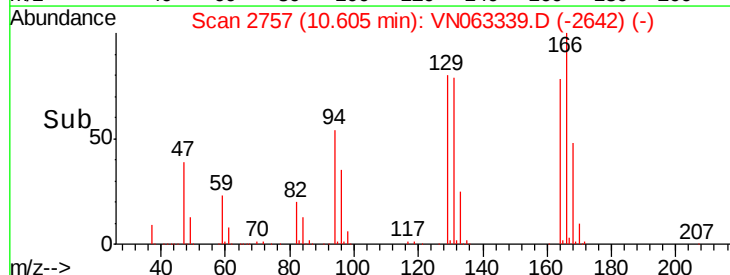
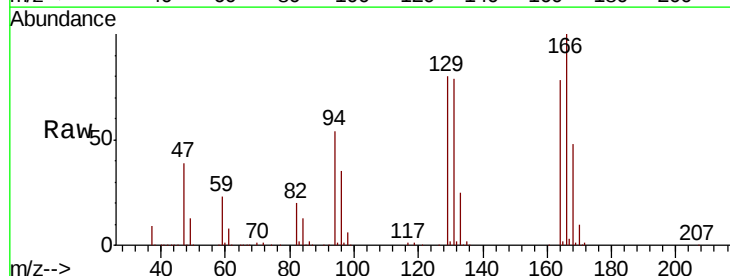
Ion Ratio Lower Upper

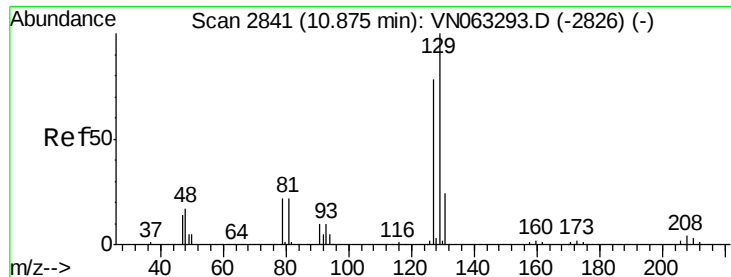
97 100

83 222.0 70.8 106.2#

85 40.7 45.6 68.4#

99 23.4 49.0 73.4#

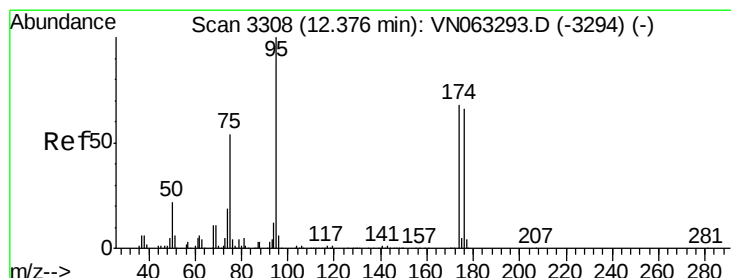
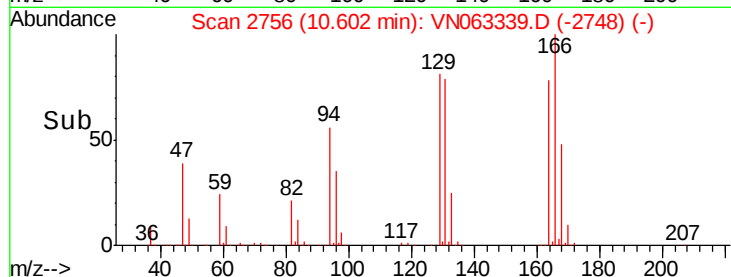
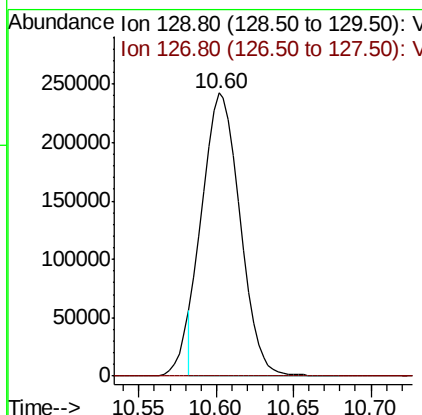
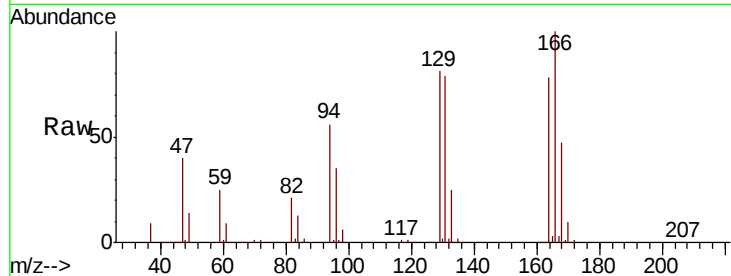




#60
Dibromochloromethane
Concen: 71.415 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN063339.D
Acq: 14 Sep 2020 13:43

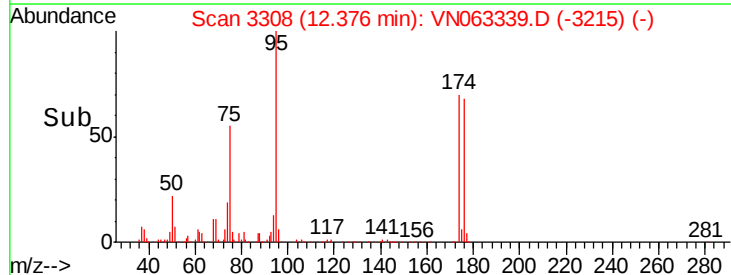
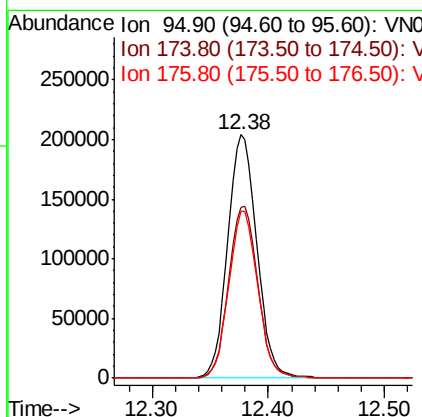
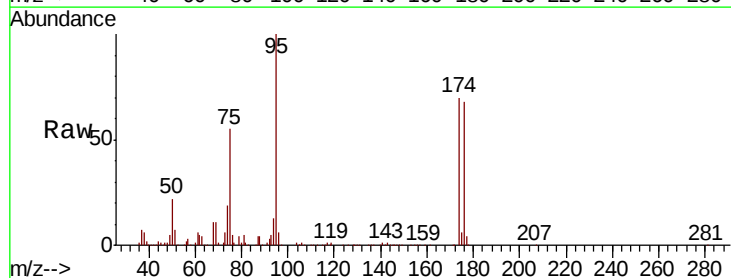
Instrument :
MSVOA_N
ClientSampleId :
B17-4-6ME

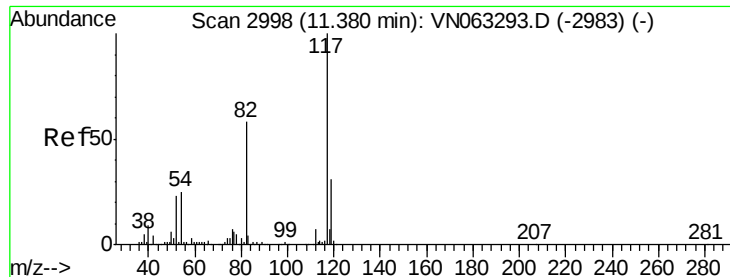
Tot Ion:129 Resp: 407408
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 52.521 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063339.D
Acq: 14 Sep 2020 13:43

Tgt Ion: 95 Resp: 354721
Ion Ratio Lower Upper
95 100
174 70.4 0.0 136.6
176 68.1 0.0 132.8

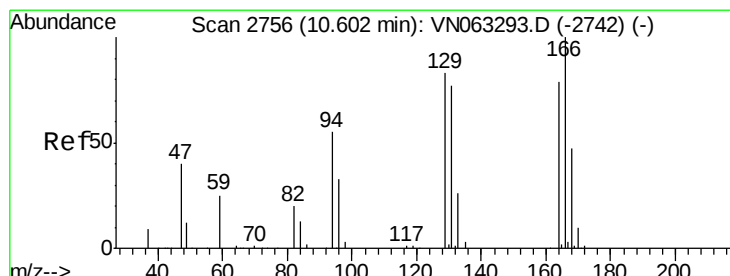
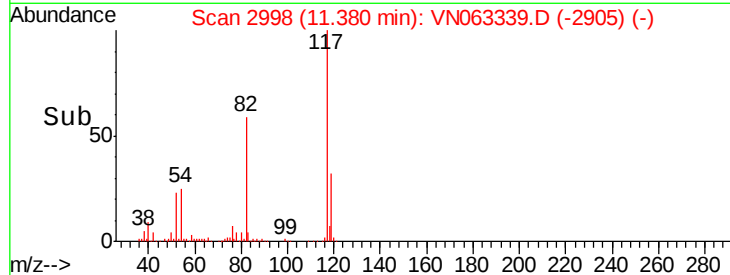
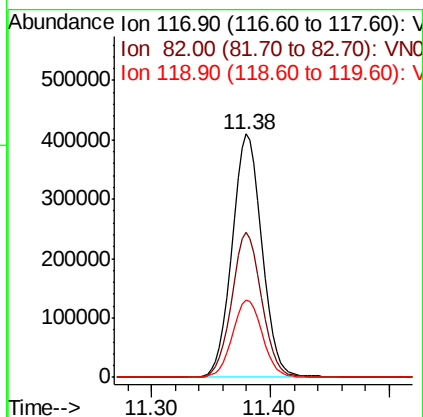
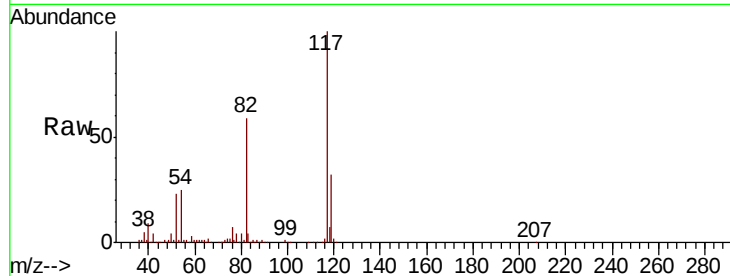




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063339.D
Acq: 14 Sep 2020 13:43

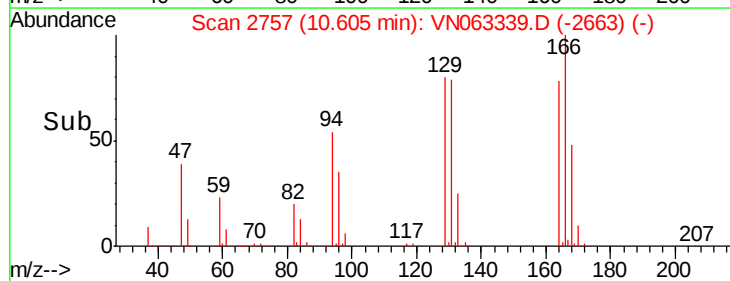
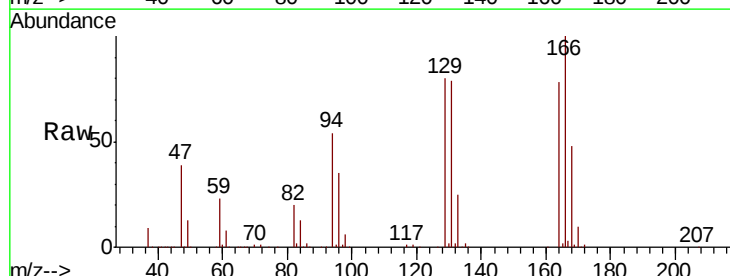
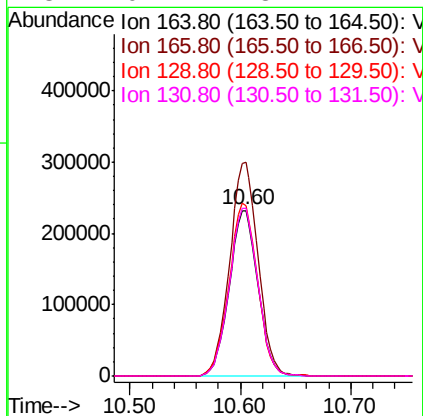
Instrument :
MSVOA_N
ClientSampled :
B17-4-6ME

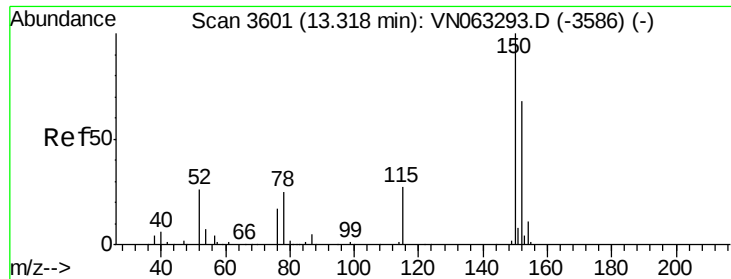
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.4	69.6
119	31.7	24.8	37.2



#64
Tetrachloroethene
Concen: 71.297 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063339.D
Acq: 14 Sep 2020 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.3	151.9
129	102.6	83.7	125.5
131	101.4	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: VN063339.D

Acq: 14 Sep 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

B17-4-6ME

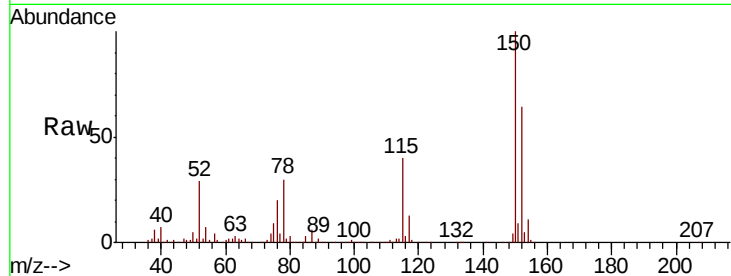
Tot Ion:152 Resp: 306514

Ion Ratio Lower Upper

152 100

115 61.9 31.5 94.5

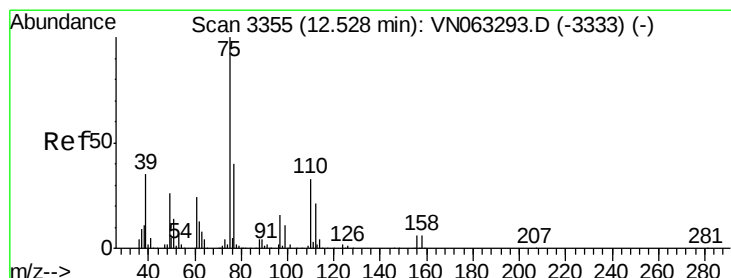
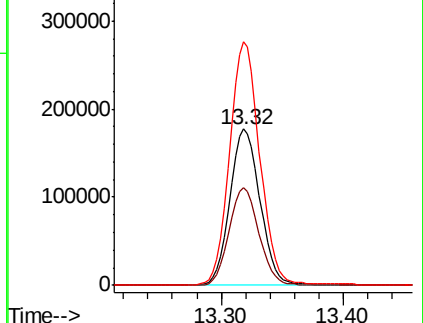
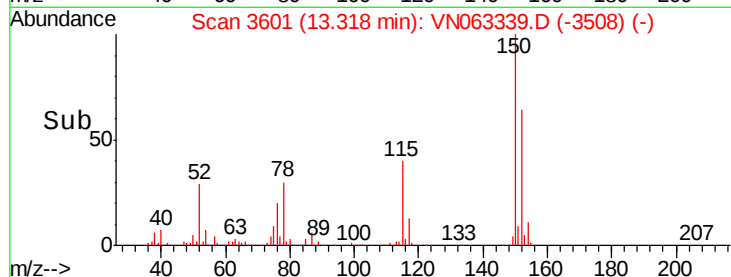
150 155.0 0.0 344.0



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: 28.879 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063339.D

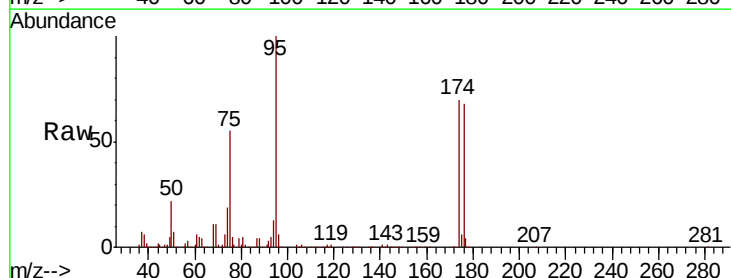
Acq: 14 Sep 2020 13:43

Tgt Ion: 75 Resp: 195282

Ion Ratio Lower Upper

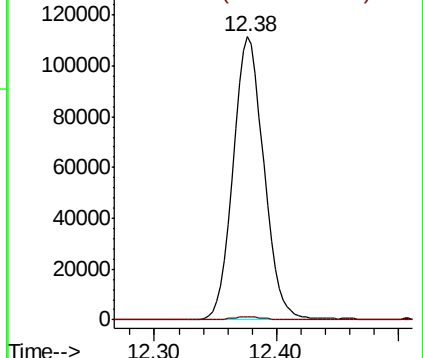
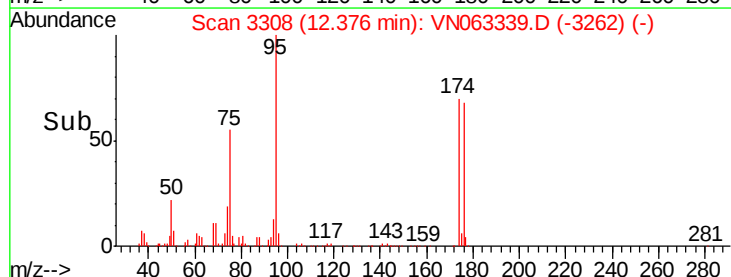
75 100

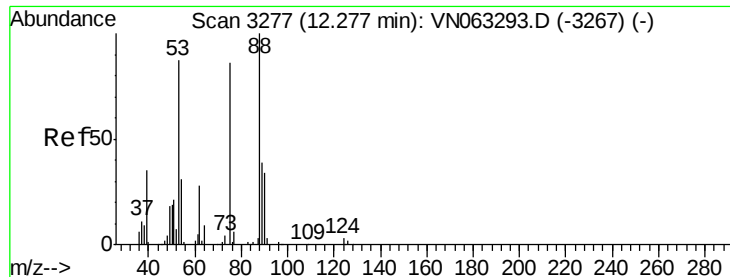
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

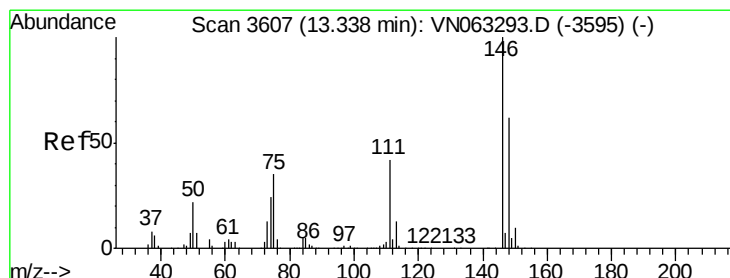
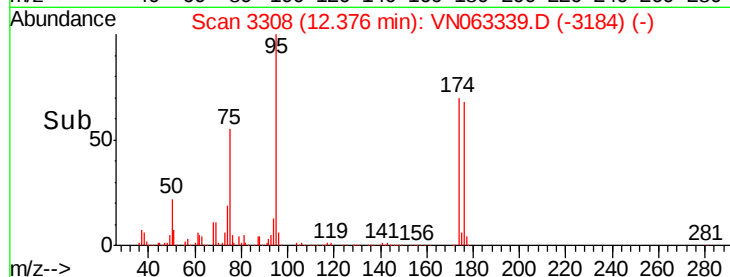
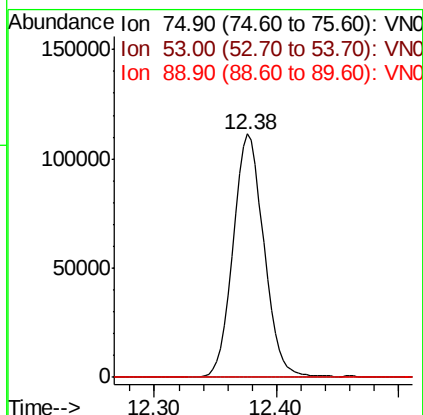
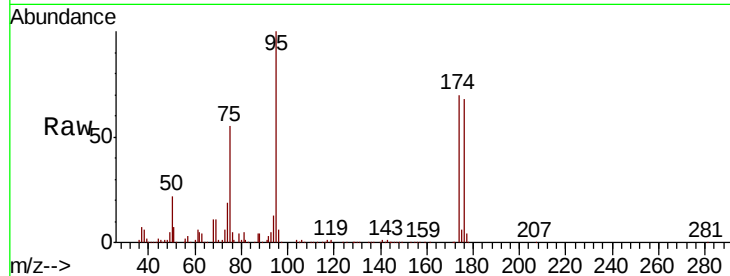




#81
trans-1,4-Dichloro-2-butene
Concen: 77.591 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063339.D
Acq: 14 Sep 2020 13:43

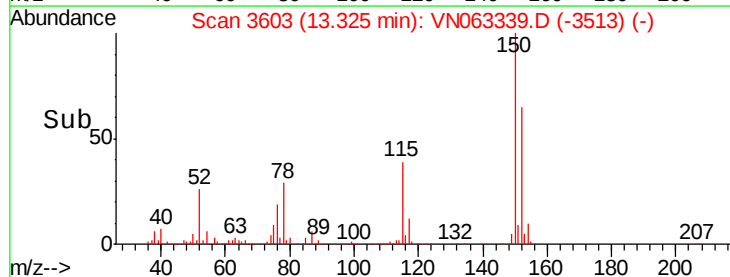
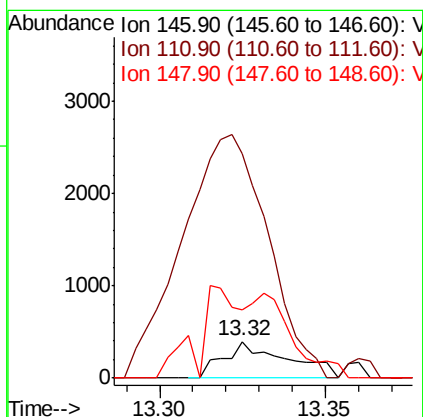
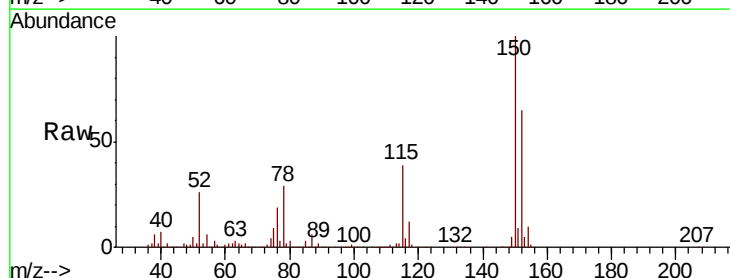
Instrument :
MSVOA_N
ClientSampleId :
B17-4-6ME

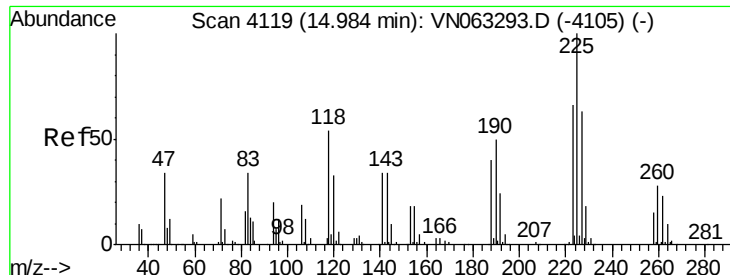
Tot Ion: 75 Resp: 195282
Ion Ratio Lower Upper
75 100
53 0.1 81.8 122.8#
89 0.0 36.7 55.1#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.32 min Scan# 3603
Delta R.T. -0.01 min
Lab File: VN063339.D
Acq: 14 Sep 2020 13:43

Tgt Ion: 146 Resp: 526
Ion Ratio Lower Upper
146 100
111 906.5 21.3 64.0#
148 166.2 31.5 94.5#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

Instrument :

MSVOA_N

ClientSampled :

B17-4-6ME

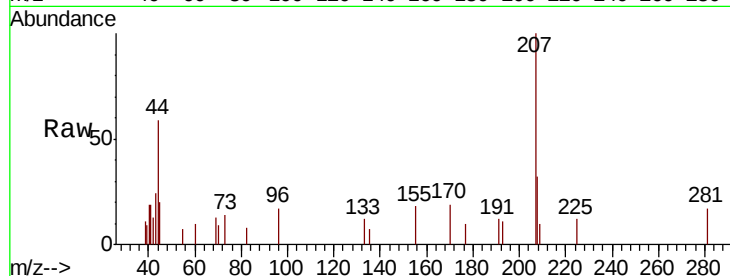
Tot Ion:225 Resp: 126

Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.9#

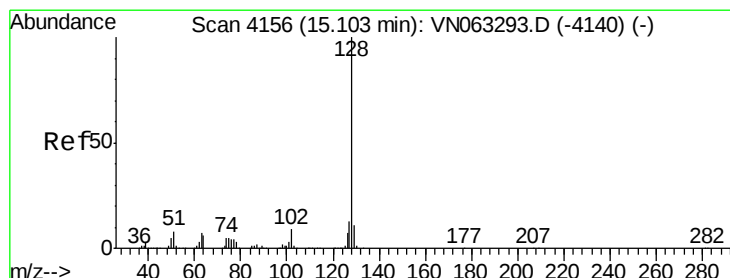
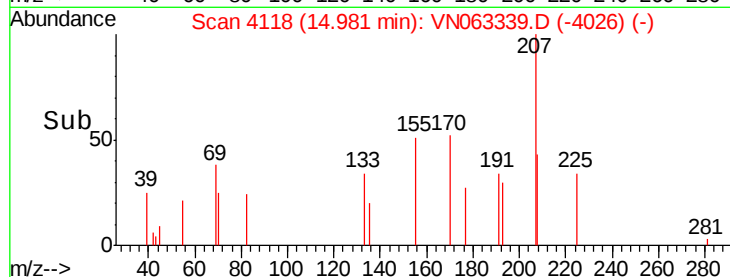
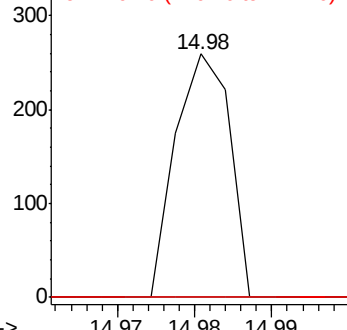
227 0.0 31.2 93.6#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: Below Cal

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063339.D

Acq: 14 Sep 2020 13:43

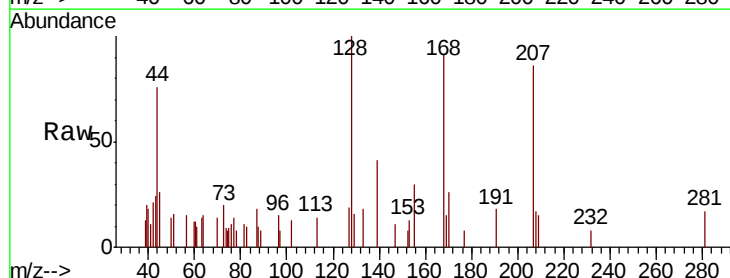
Tgt Ion:128 Resp: 4450

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

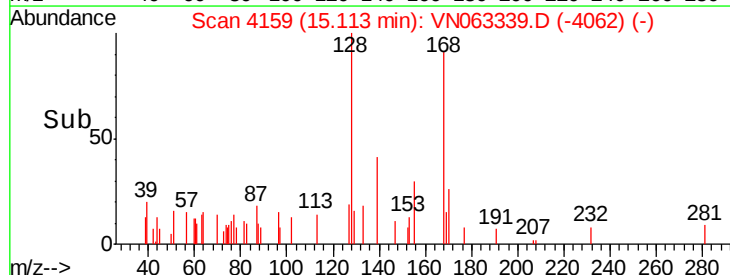
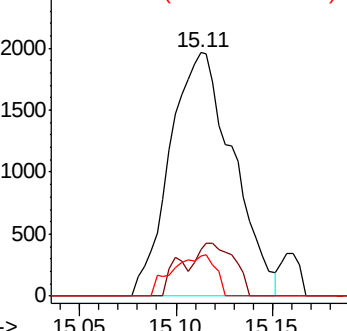
129 11.6 8.6 12.8

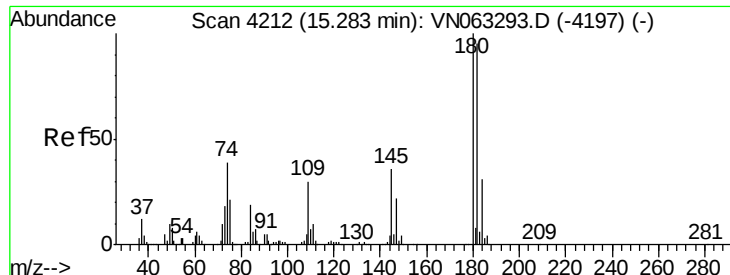


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.28 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN063339.D
 Acq: 14 Sep 2020 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 B17-4-6ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	275.0	47.4	142.3#
145	0.0	17.2	51.6#

