

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041621\
 Data File : VU043176.D
 Acq On : 16 Apr 2021 18:10
 Operator : SY/MD
 Sample : M2026-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PZ-15

Quant Time: Apr 17 02:34:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

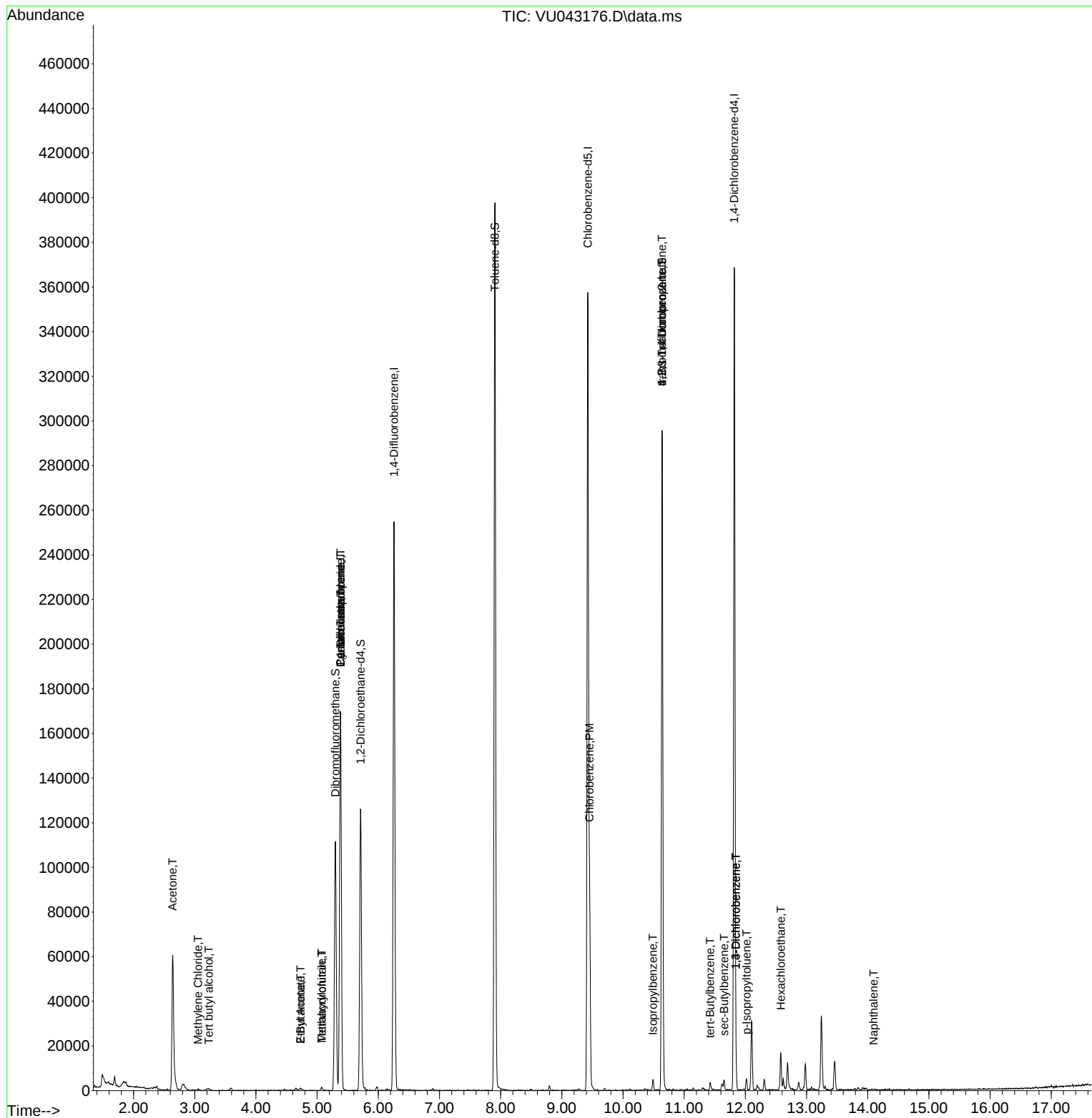
Internal Standards						
1) Pentafluorobenzene	5.382	168	115113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	190857	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	180936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	88881	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	98024	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
35) Dibromofluoromethane	5.298	113	68272	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.20%	
50) Toluene-d8	7.906	98	240856	47.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.92%	
62) 4-Bromofluorobenzene	10.639	95	86668	42.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.30%	
Target Compounds					Qvalue	
3) Chloromethane	1.527	50	411	Below Cal		97
11) Tert butyl alcohol	3.227	59	1572	3.15 ug/l #		94
16) Acetone	2.639	43	79890	69.93 ug/l		99
20) Methylene Chloride	3.054	84	320	0.23 ug/l #		56
25) 2-Butanone	4.729	43	2088	1.19 ug/l #		89
29) Tetrahydrofuran	5.076	42	930	0.84 ug/l #		40
31) Cyclohexane	5.382	56	3025	1.27 ug/l #		43
36) 1,1-Dichloropropene	5.382	75	9847	4.86 ug/l #		49
37) Ethyl Acetate	4.729	43	2088	0.60 ug/l #		71
38) Carbon Tetrachloride	5.382	117	11561	5.33 ug/l #		17
41) Methacrylonitrile	5.076	41	537	0.30 ug/l #		41
65) Chlorobenzene	9.452	112	40511	10.44 ug/l		100
73) Isopropylbenzene	10.491	105	3290	0.55 ug/l		100
76) 1,2,3-Trichloropropane	10.639	75	49456	19.04 ug/l #		37
81) trans-1,4-Dichloro-2-b...	10.639	75	49456	55.95 ug/l #		7
83) tert-Butylbenzene	11.423	119	1604	0.31 ug/l #		65
85) sec-Butylbenzene	11.652	105	2802	0.46 ug/l		85
86) p-Isopropyltoluene	12.018	119	3059	0.55 ug/l		94
87) 1,3-Dichlorobenzene	11.844	146	3200	1.06 ug/l #		70
88) 1,4-Dichlorobenzene	11.844	146	3200	1.02 ug/l #		72
90) Hexachloroethane	12.581	117	1074	1.03 ug/l #		6
95) Naphthalene	14.098	128	575	2.83 ug/l #		69

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041621\
Data File : VU043176.D
Acq On : 16 Apr 2021 18:10
Operator : SY/MD
Sample : M2026-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PZ-15

Quant Time: Apr 17 02:34:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

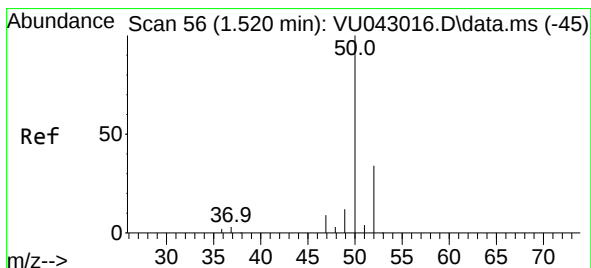
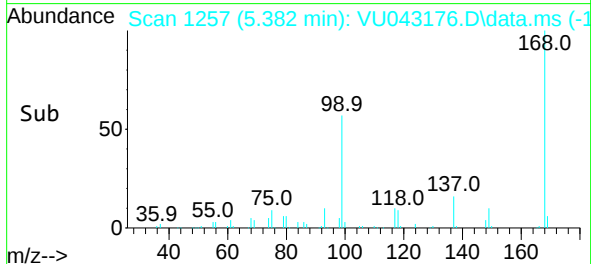
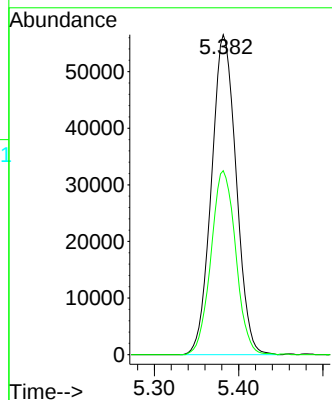
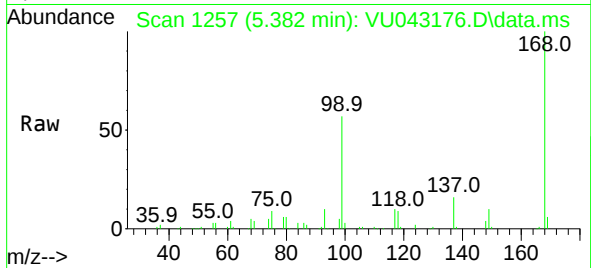




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

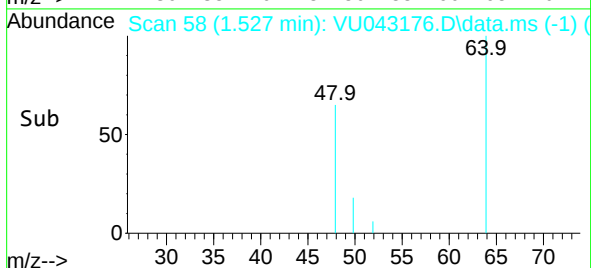
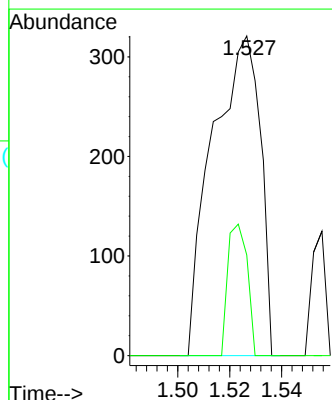
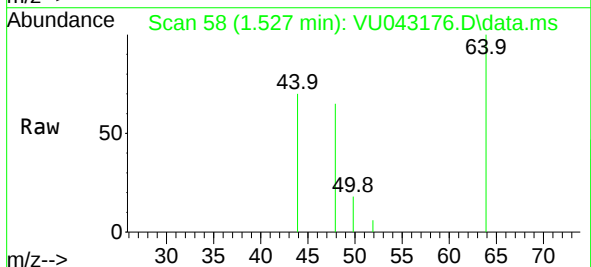
Instrument :
MSVOA_U
ClientSampled :
PZ-15

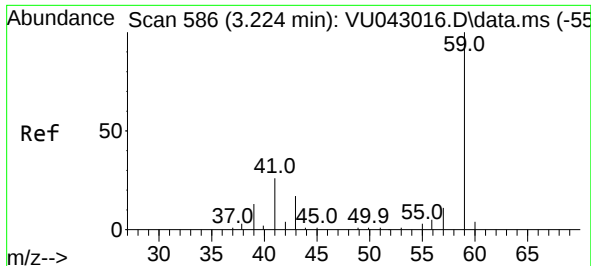
Tgt Ion:168 Resp: 115113
Ion Ratio Lower Upper
168 100
99 57.5 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.007 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 31.5 26.6 40.0

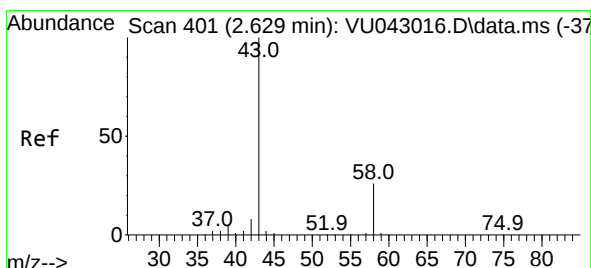
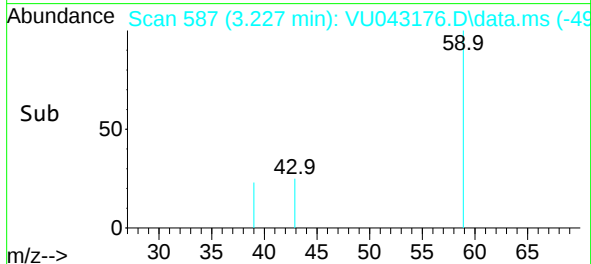
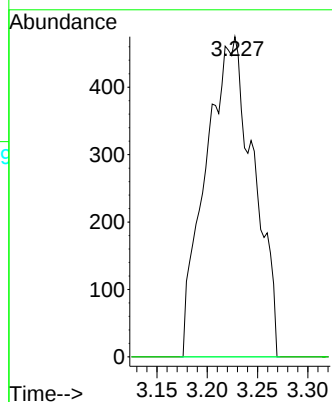
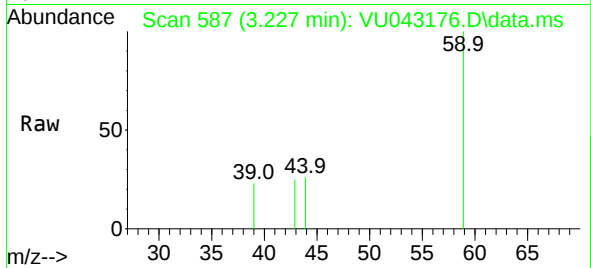




#11
Tert butyl alcohol
Concen: 3.15 ug/l
RT: 3.227 min Scan# 587
Delta R.T. 0.003 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

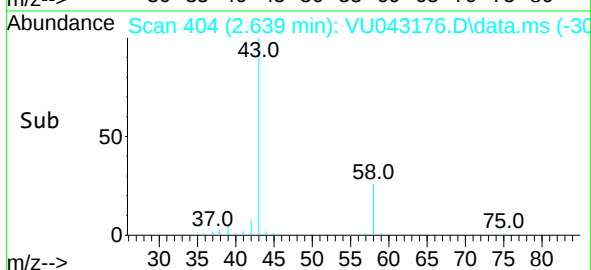
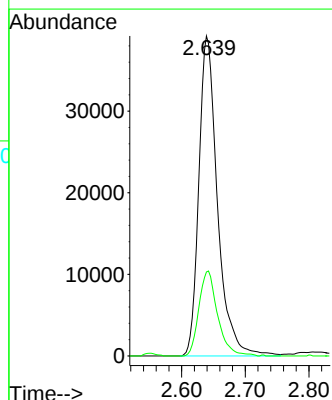
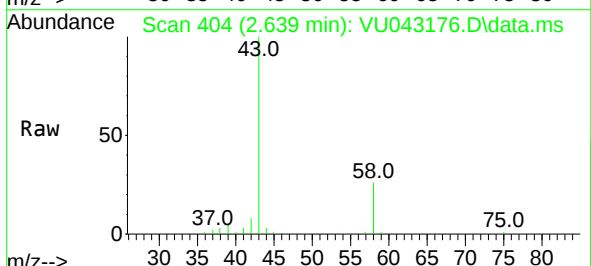
Instrument :
MSVOA_U
ClientSampleId :
PZ-15

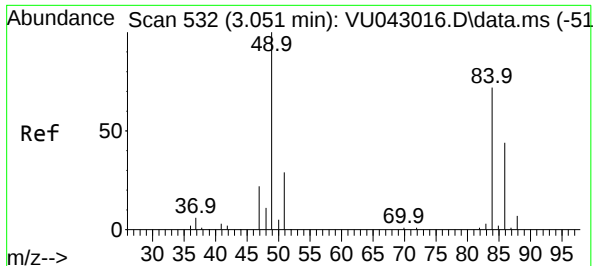
Tgt Ion: 59 Resp: 1572
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 69.93 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.010 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

Tgt Ion: 43 Resp: 79890
Ion Ratio Lower Upper
43 100
58 26.2 21.5 32.3





#20

Methylene Chloride

Concen: 0.23 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

Tgt Ion: 84 Resp: 320

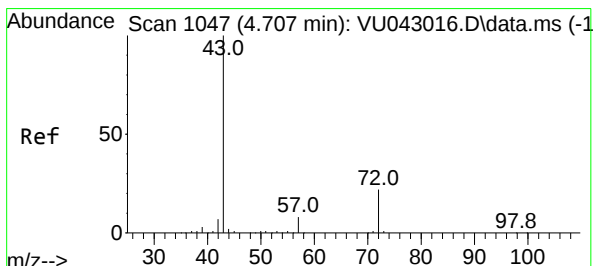
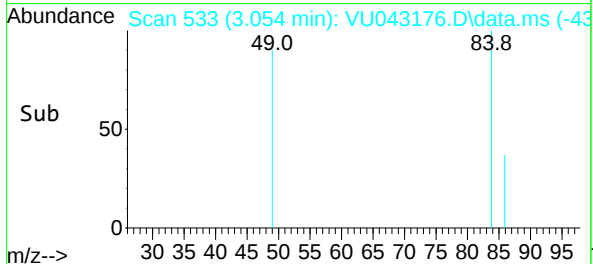
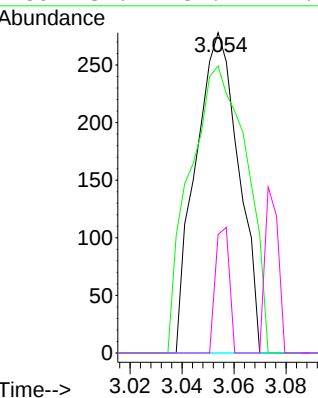
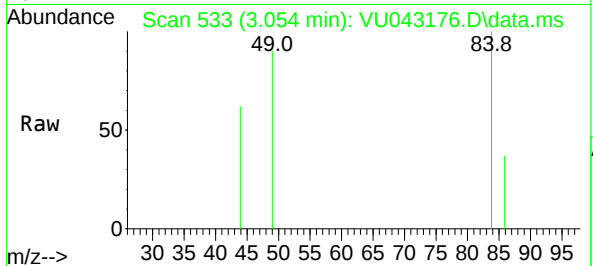
Ion Ratio Lower Upper

84 100

49 89.6 112.6 169.0#

51 0.0 33.7 50.5#

86 37.1 51.7 77.5#



#25

2-Butanone

Concen: 1.19 ug/l

RT: 4.729 min Scan# 1054

Delta R.T. 0.022 min

Lab File: VU043176.D

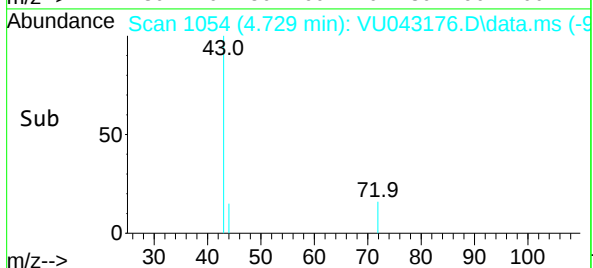
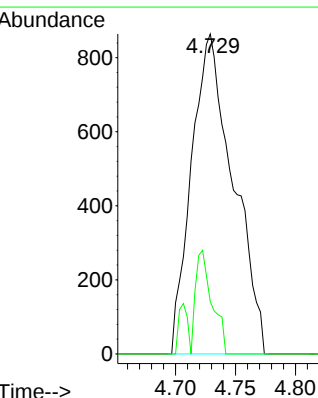
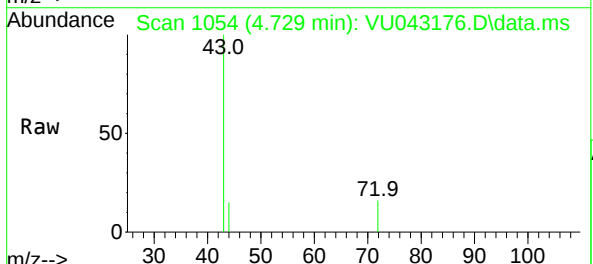
Acq: 16 Apr 2021 18:10

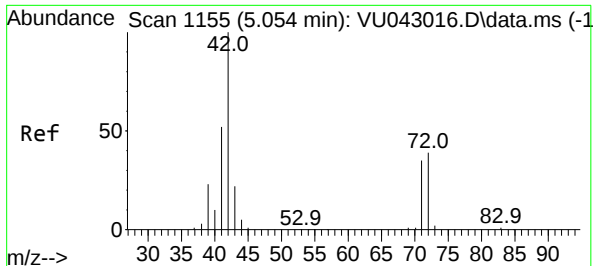
Tgt Ion: 43 Resp: 2088

Ion Ratio Lower Upper

43 100

72 16.3 17.4 26.0#





#29

Tetrahydrofuran

Concen: 0.84 ug/l

RT: 5.076 min Scan# 1162

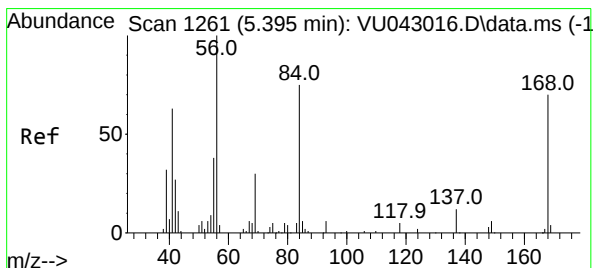
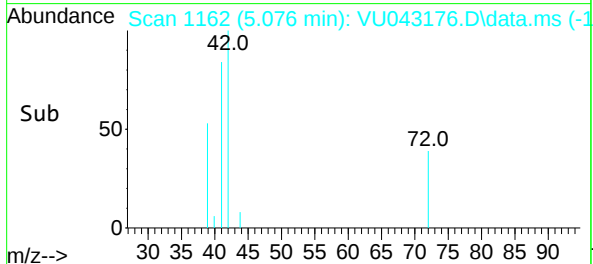
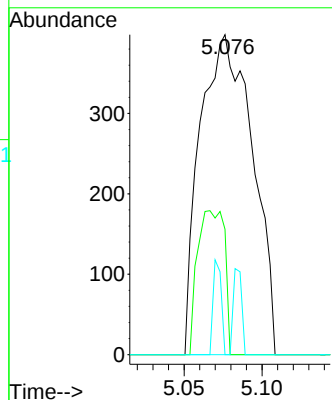
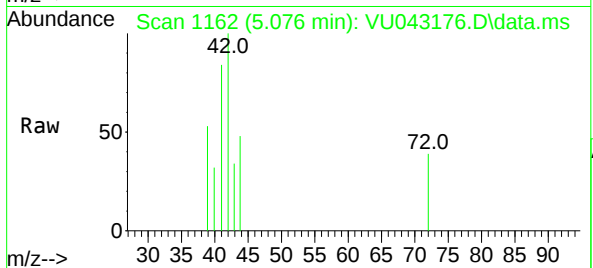
Delta R.T. 0.022 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

Instrument :
MSVOA_U
ClientSampled :
PZ-15

Tgt Ion:	42	Resp:	930
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.5	47.3#
71	4.4	29.5	44.3#



#31

Cyclohexane

Concen: 1.27 ug/l

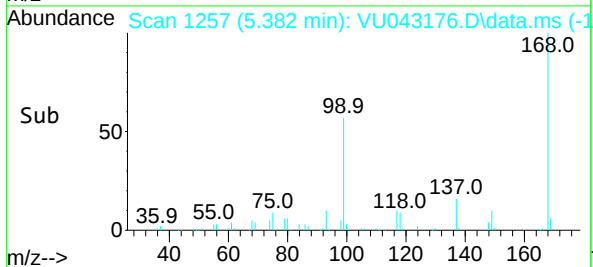
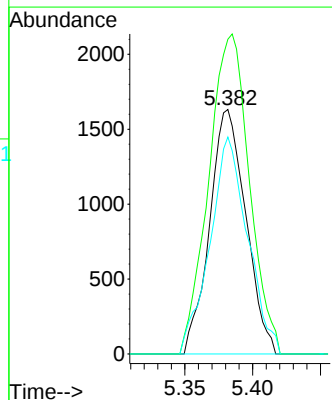
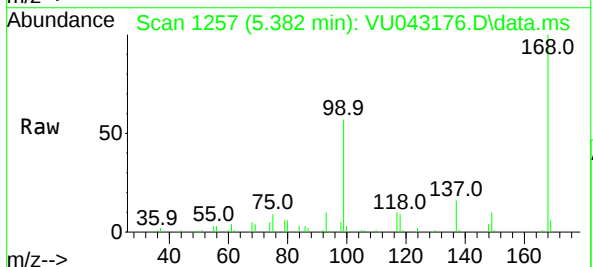
RT: 5.382 min Scan# 1257

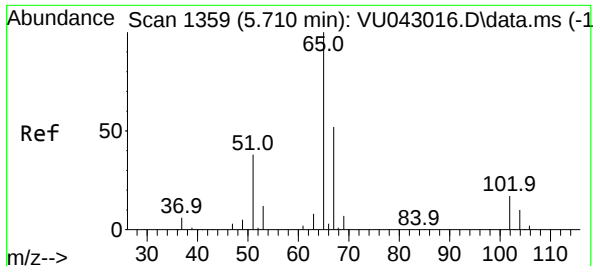
Delta R.T. -0.013 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

Tgt Ion:	56	Resp:	3025
Ion	Ratio	Lower	Upper
56	100		
69	128.7	24.9	37.3#
84	88.7	63.7	95.5





#33

1,2-Dichloroethane-d4

Concen: 50.65 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

Tgt Ion: 65 Resp: 98024

Ion Ratio Lower Upper

65 100

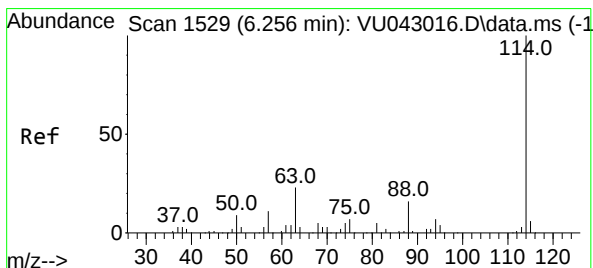
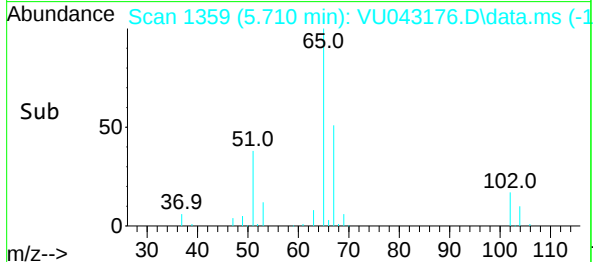
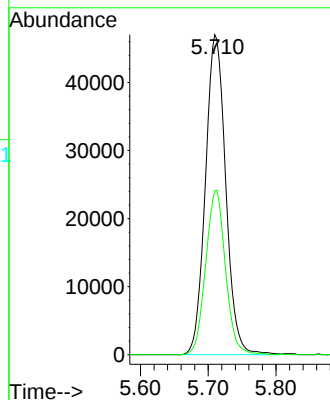
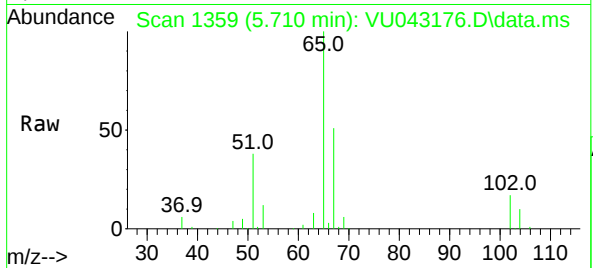
67 50.2 0.0 99.8

Instrument :

MSVOA_U

ClientSampled :

PZ-15



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

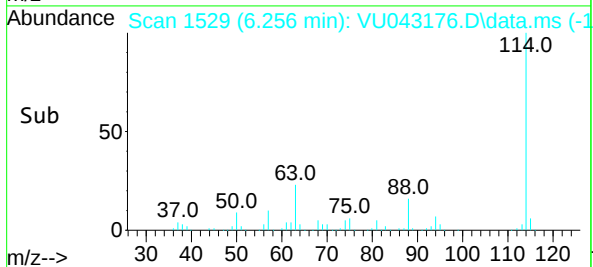
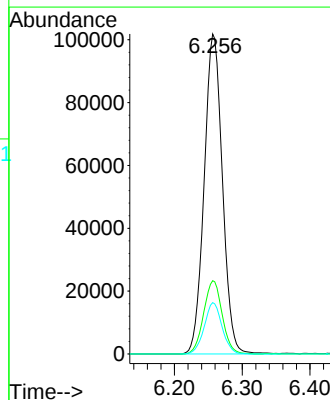
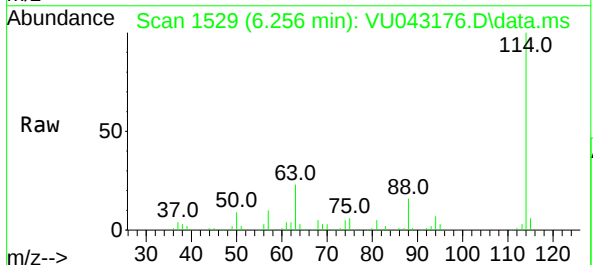
Tgt Ion: 114 Resp: 190857

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.2

88 16.1 0.0 33.4

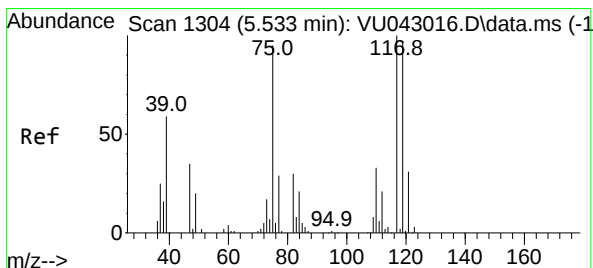
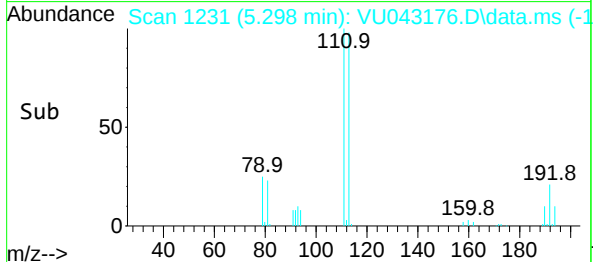
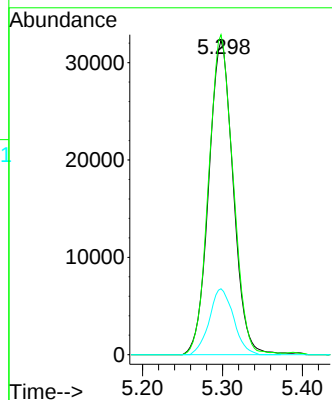
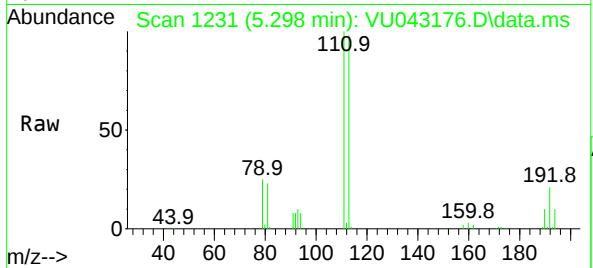




#35
Dibromofluoromethane
Concen: 47.60 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

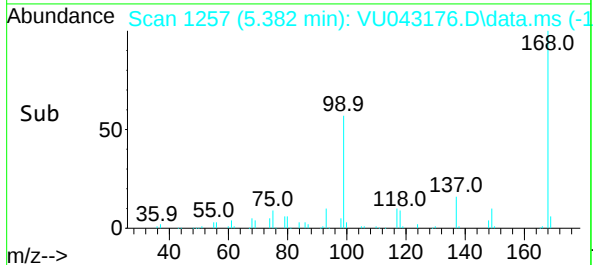
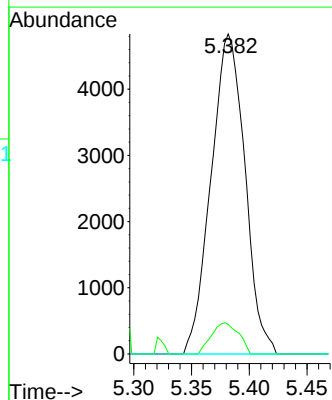
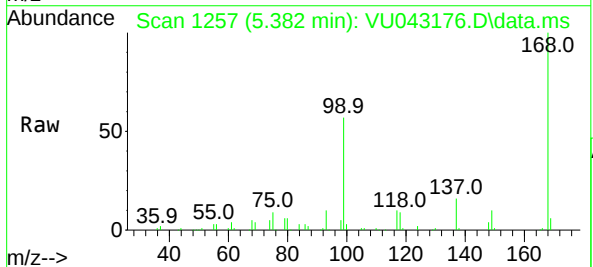
Instrument :
MSVOA_U
ClientSampleId :
PZ-15

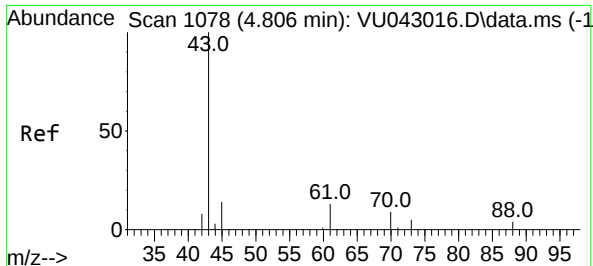
Tgt Ion:113 Resp: 68272
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.8
192 20.8 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

Tgt Ion: 75 Resp: 9847
Ion Ratio Lower Upper
75 100
110 7.8 16.8 50.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.60 ug/l

RT: 4.729 min Scan# 1054

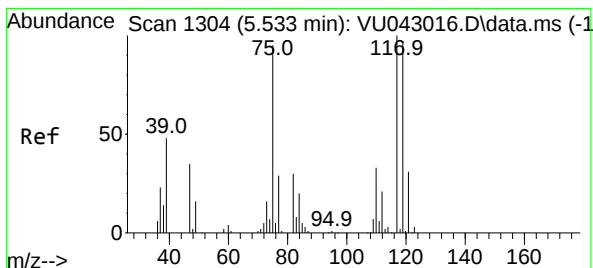
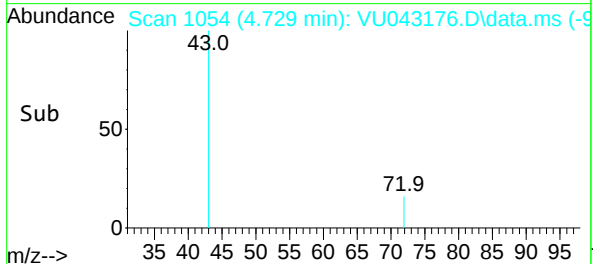
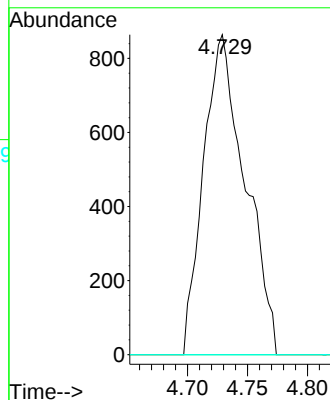
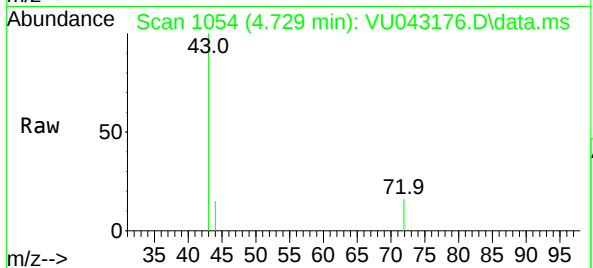
Delta R.T. -0.077 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

Instrument :
MSVOA_U
ClientSampled :
PZ-15

Tgt Ion: 43	Resp:	2088
Ion	Ratio	Lower Upper
43	100	
61	0.0	10.1 15.1#
70	0.0	7.2 10.8#



#38

Carbon Tetrachloride

Concen: 5.33 ug/l

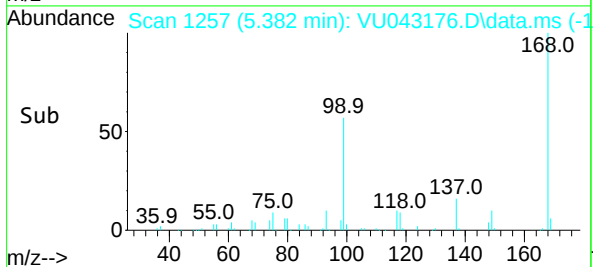
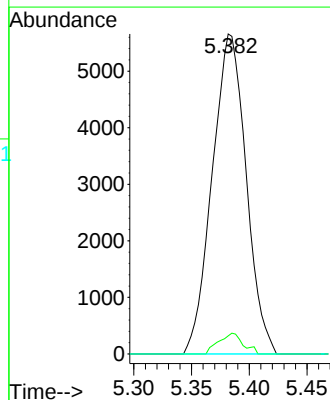
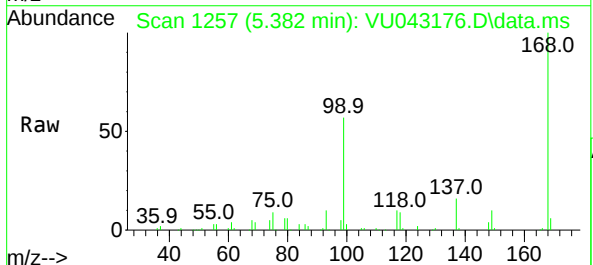
RT: 5.382 min Scan# 1257

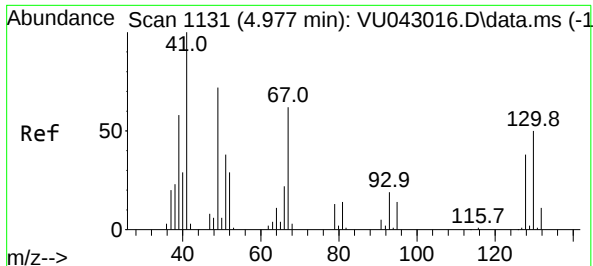
Delta R.T. -0.151 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

Tgt Ion: 117	Resp:	11561
Ion	Ratio	Lower Upper
117	100	
119	5.6	75.5 113.3#
121	0.0	24.7 37.1#





#41

Methacrylonitrile

Concen: 0.30 ug/l

RT: 5.076 min Scan# 1162

Delta R.T. 0.099 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

Tgt Ion: 41 Resp: 537

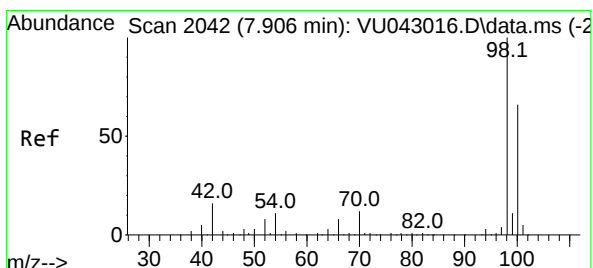
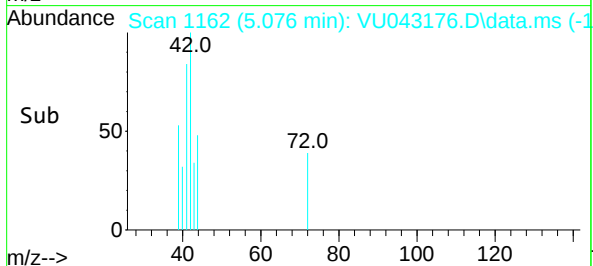
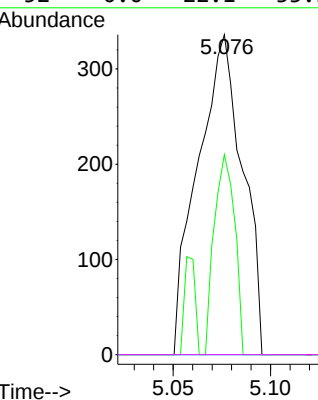
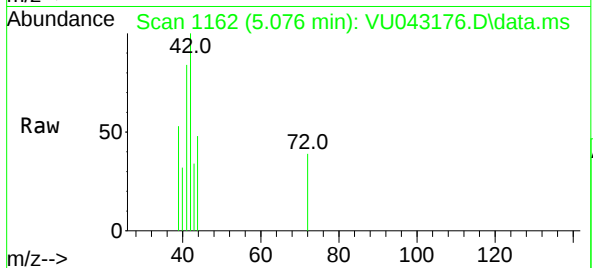
Ion Ratio Lower Upper

41 100

39 28.5 45.1 67.7#

67 0.0 50.2 75.2#

52 0.0 22.1 33.1#



#50

Toluene-d8

Concen: 47.46 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU043176.D

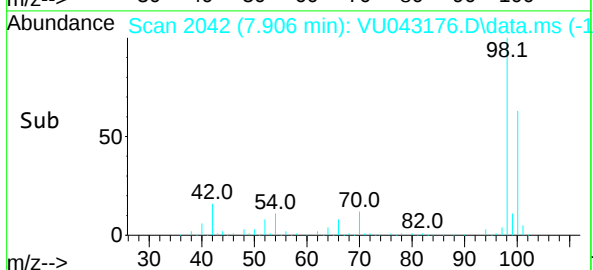
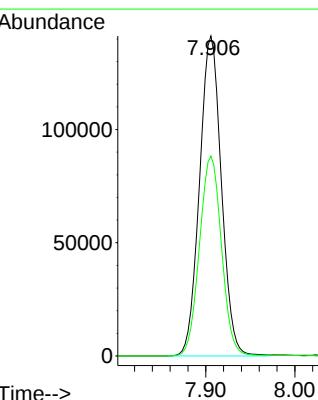
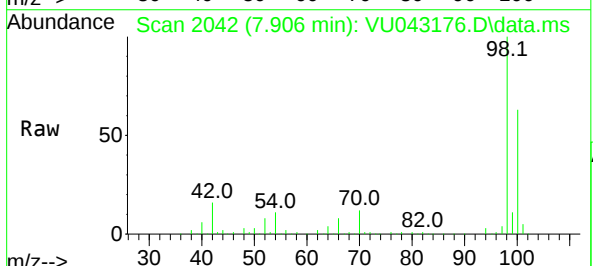
Acq: 16 Apr 2021 18:10

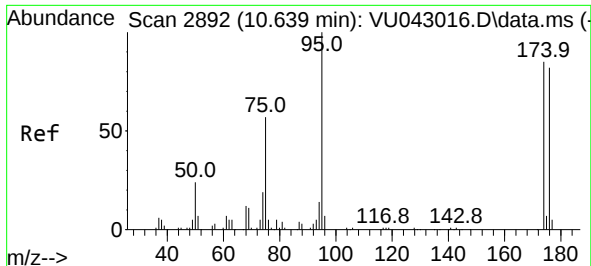
Tgt Ion: 98 Resp: 240856

Ion Ratio Lower Upper

98 100

100 62.8 50.2 75.2

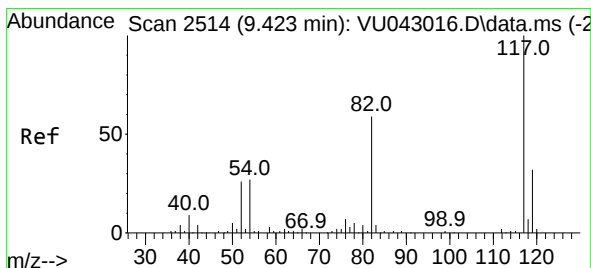
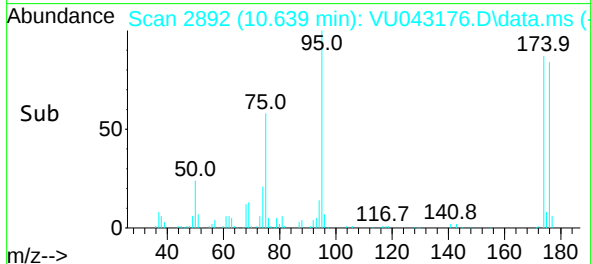
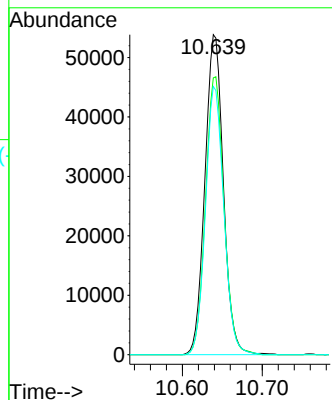
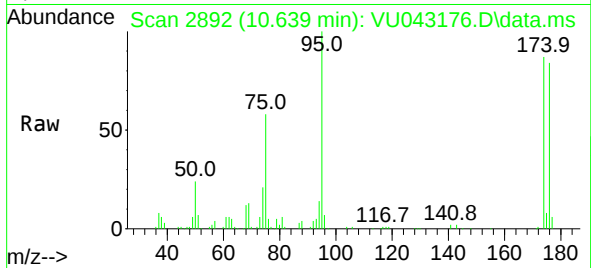




#62
4-Bromofluorobenzene
Concen: 42.65 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

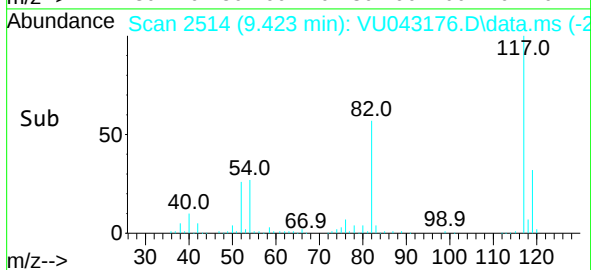
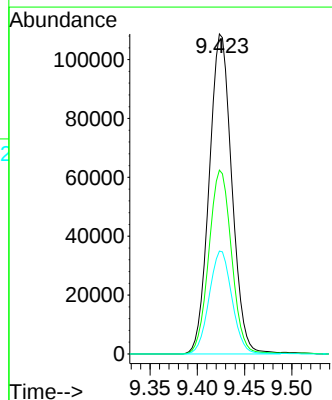
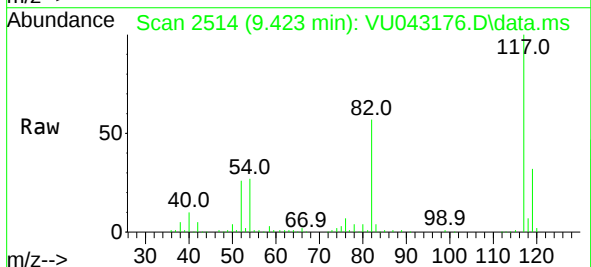
Instrument :
MSVOA_U
ClientSampleId :
PZ-15

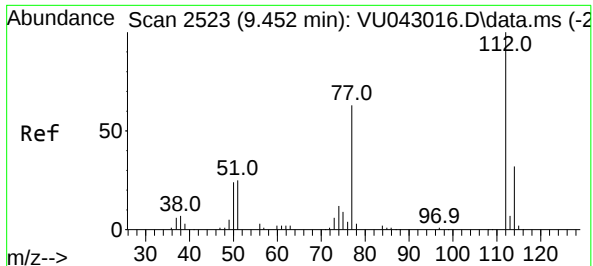
Tgt Ion: 95 Resp: 86668
Ion Ratio Lower Upper
95 100
174 86.9 0.0 172.2
176 83.2 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

Tgt Ion: 117 Resp: 180936
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 32.1 25.8 38.8

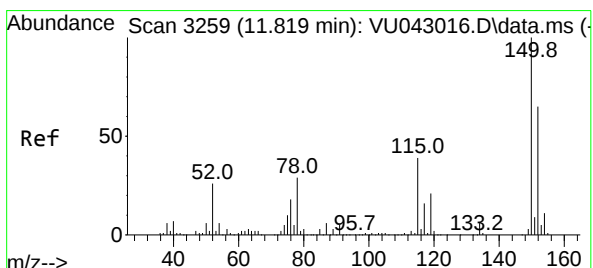
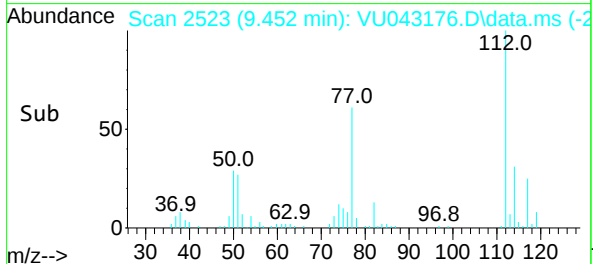
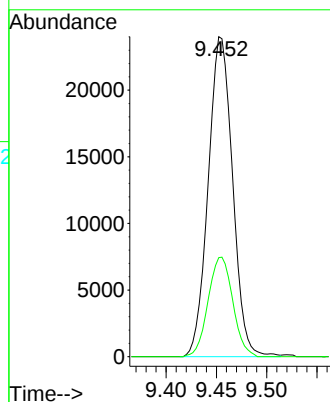
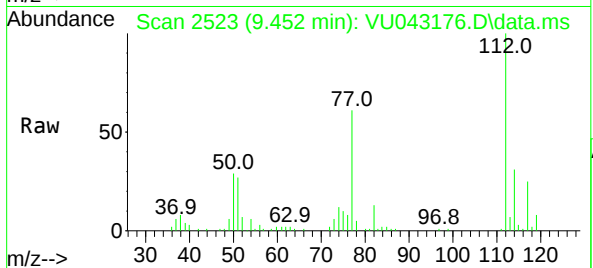




#65
Chlorobenzene
Concen: 10.44 ug/l
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

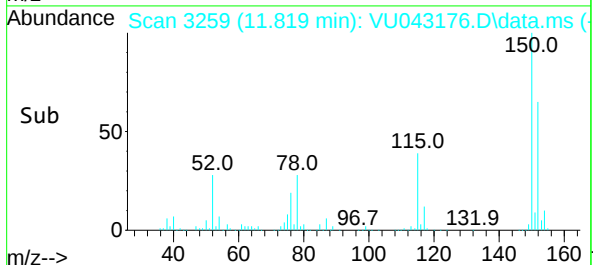
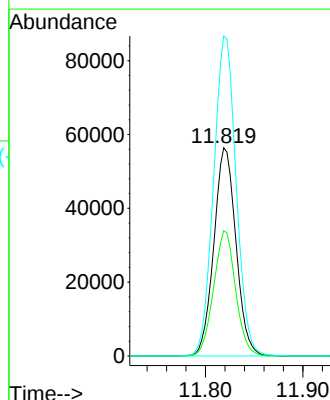
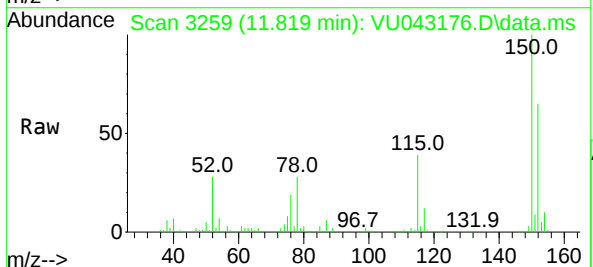
Instrument :
MSVOA_U
ClientSampleId :
PZ-15

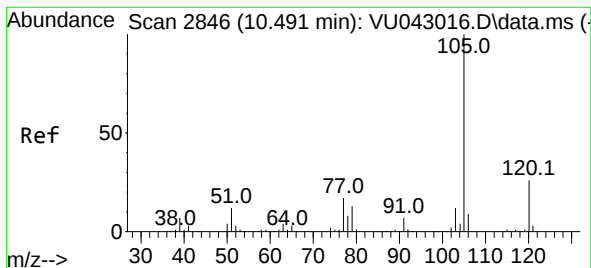
Tgt Ion:112 Resp: 40511
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

Tgt Ion:152 Resp: 88881
Ion Ratio Lower Upper
152 100
115 59.6 41.5 124.6
150 156.7 0.0 342.4





#73

Isopropylbenzene

Concen: 0.55 ug/l

RT: 10.491 min Scan# 2846

Delta R.T. -0.000 min

Lab File: VU043176.D

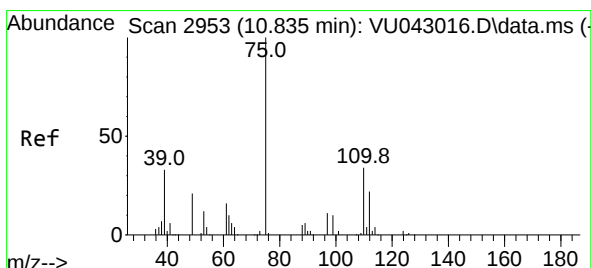
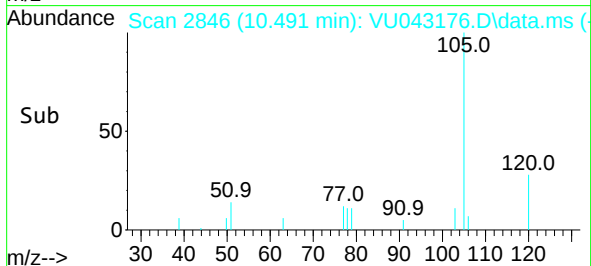
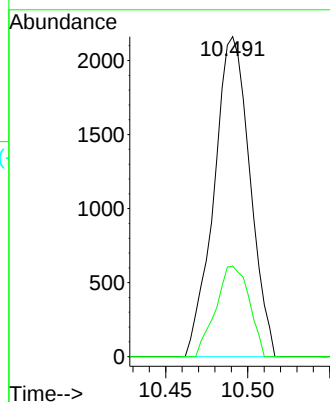
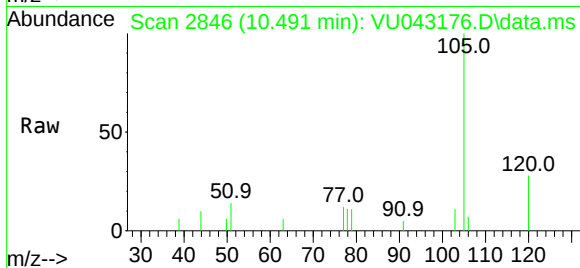
Acq: 16 Apr 2021 18:10

Tgt Ion: 105 Resp: 3290

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



#76

1,2,3-Trichloropropane

Concen: 19.04 ug/l

RT: 10.639 min Scan# 2892

Delta R.T. -0.196 min

Lab File: VU043176.D

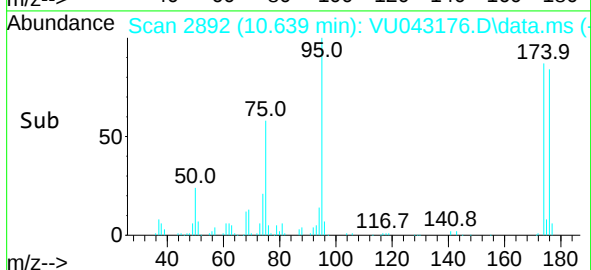
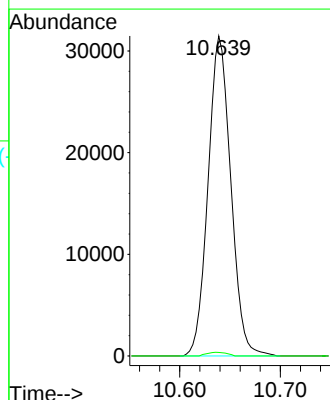
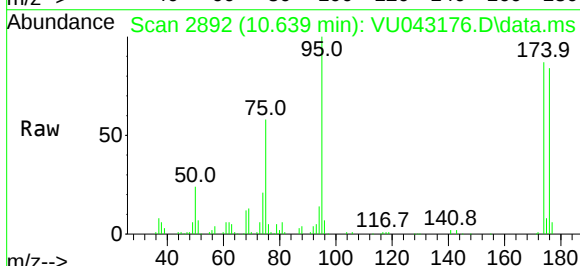
Acq: 16 Apr 2021 18:10

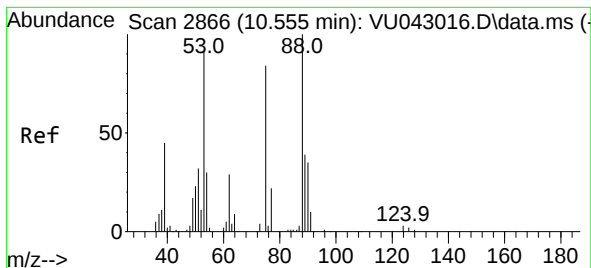
Tgt Ion: 75 Resp: 49456

Ion Ratio Lower Upper

75 100

77 1.0 20.2 60.5#

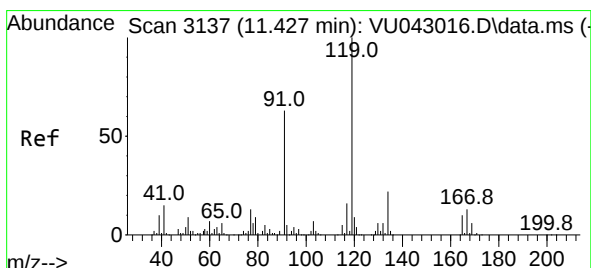
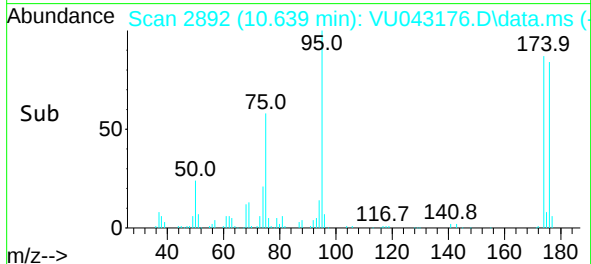
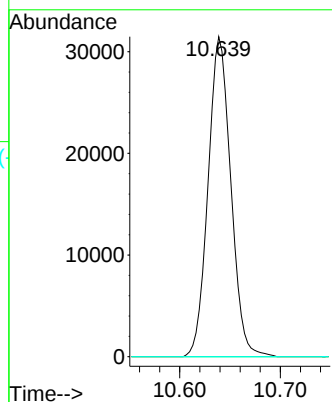
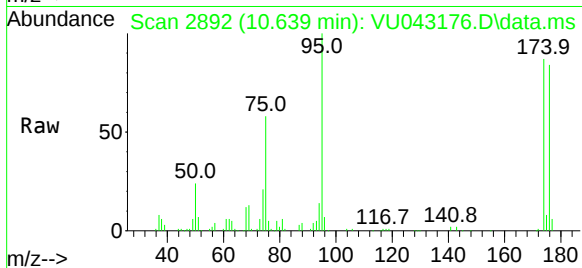




#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.95 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.084 min
 Lab File: VU043176.D
 Acq: 16 Apr 2021 18:10

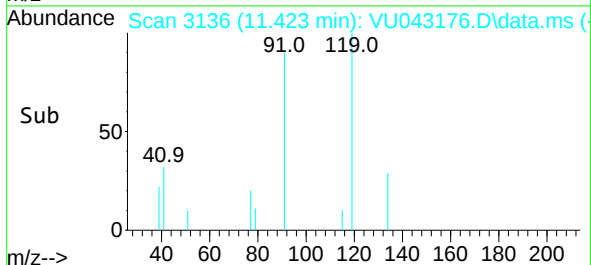
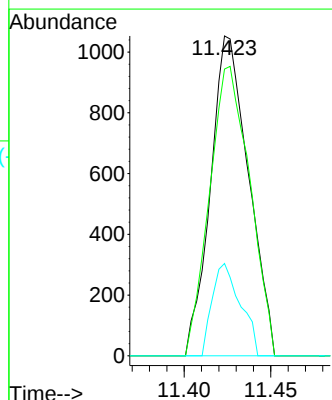
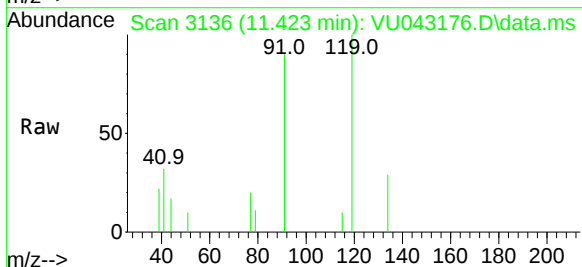
Instrument :
 MSVOA_U
 ClientSampleId :
 PZ-15

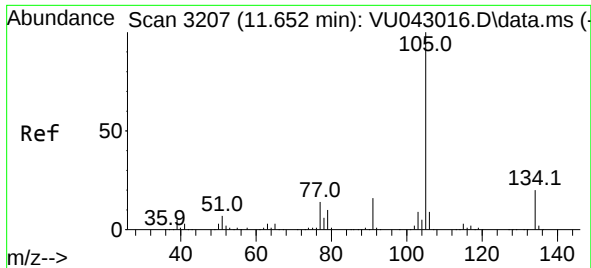
Tgt Ion: 75 Resp: 49456
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.0 35.7 53.5#



#83
 tert-Butylbenzene
 Concen: 0.31 ug/l
 RT: 11.423 min Scan# 3136
 Delta R.T. -0.004 min
 Lab File: VU043176.D
 Acq: 16 Apr 2021 18:10

Tgt Ion: 119 Resp: 1604
 Ion Ratio Lower Upper
 119 100
 91 96.1 30.3 90.9#
 134 21.4 11.4 34.1

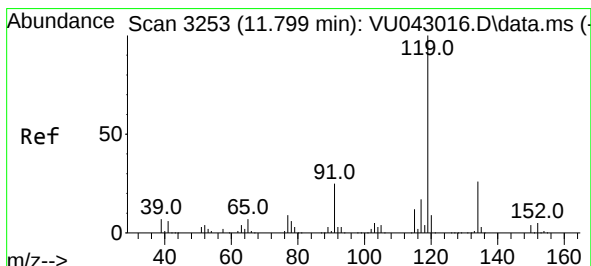
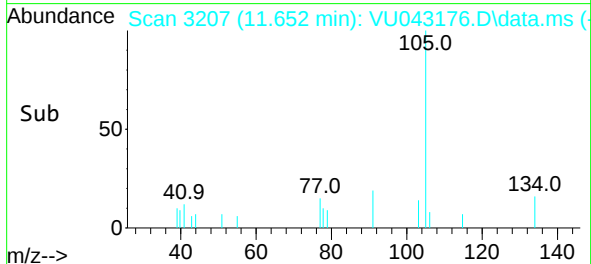
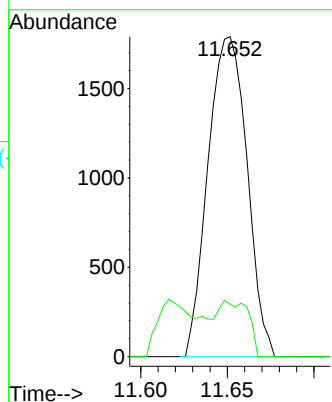
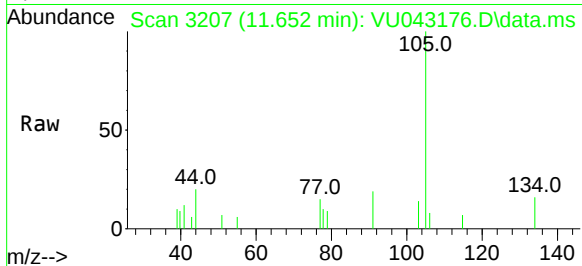




#85
 sec-Butylbenzene
 Concen: 0.46 ug/l
 RT: 11.652 min Scan# 3207
 Delta R.T. -0.000 min
 Lab File: VU043176.D
 Acq: 16 Apr 2021 18:10

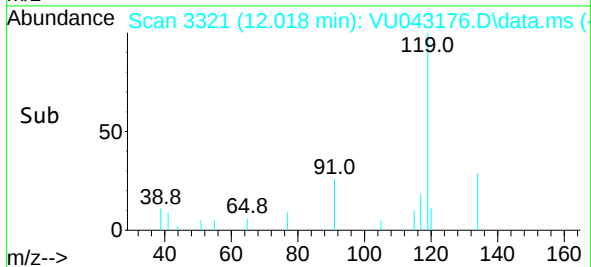
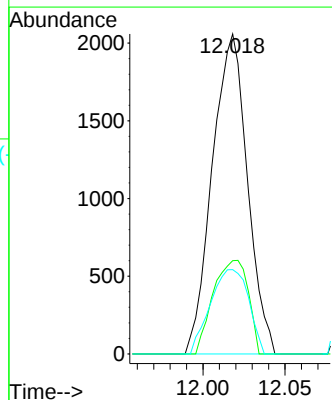
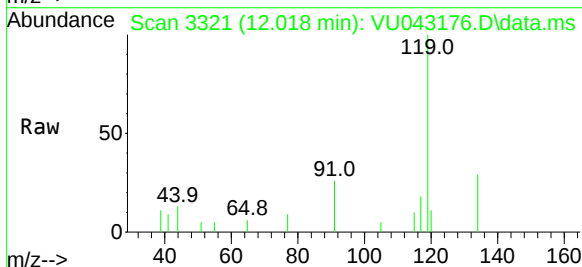
Instrument :
 MSVOA_U
 ClientSampleId :
 PZ-15

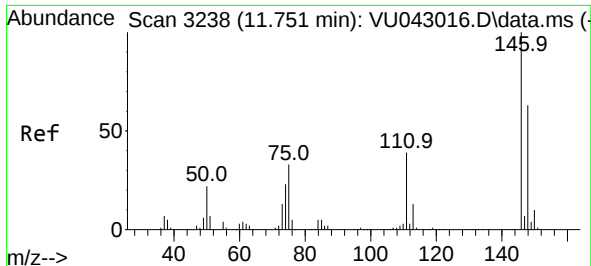
Tgt Ion:105 Resp: 2802
 Ion Ratio Lower Upper
 105 100
 134 13.2 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 0.55 ug/l
 RT: 12.018 min Scan# 3321
 Delta R.T. 0.219 min
 Lab File: VU043176.D
 Acq: 16 Apr 2021 18:10

Tgt Ion:119 Resp: 3059
 Ion Ratio Lower Upper
 119 100
 134 29.1 13.2 39.6
 91 28.7 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 1.06 ug/l

RT: 11.844 min Scan# 3267

Delta R.T. 0.093 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

Tgt Ion:146 Resp: 3200

Ion Ratio Lower Upper

146 100

111 78.7 19.9 59.6#

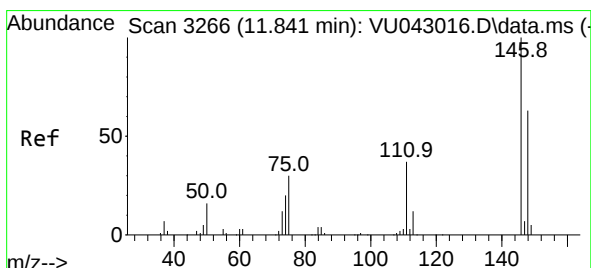
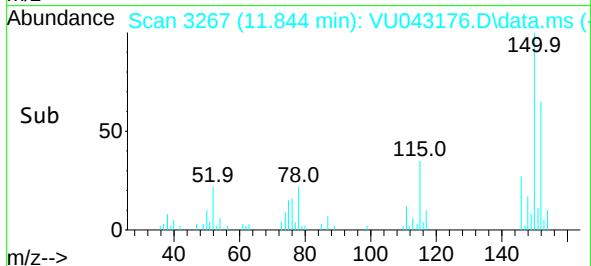
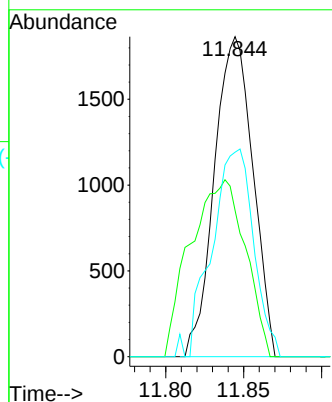
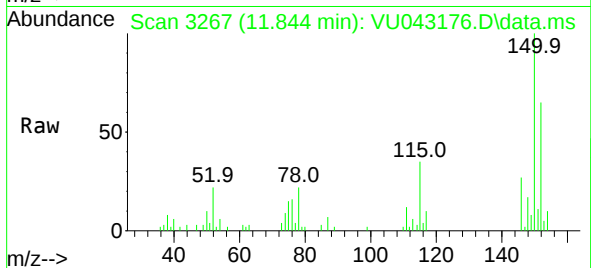
148 70.8 32.0 96.2

Instrument :

MSVOA_U

ClientSampled :

PZ-15



#88

1,4-Dichlorobenzene

Concen: 1.02 ug/l

RT: 11.844 min Scan# 3267

Delta R.T. 0.003 min

Lab File: VU043176.D

Acq: 16 Apr 2021 18:10

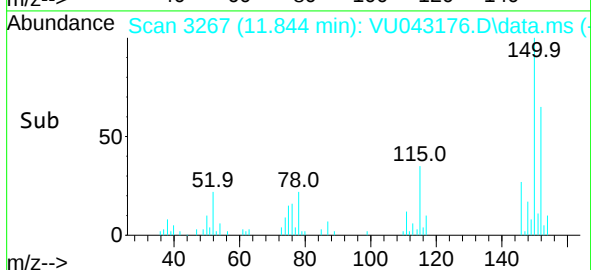
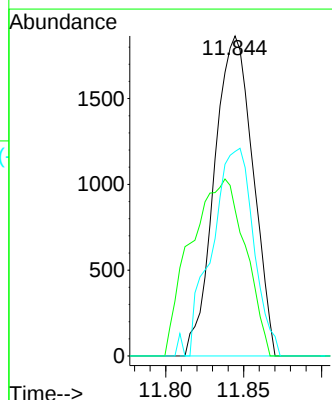
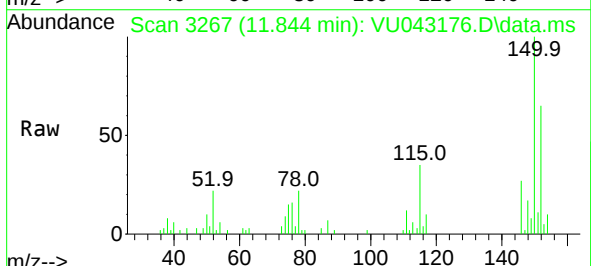
Tgt Ion:146 Resp: 3200

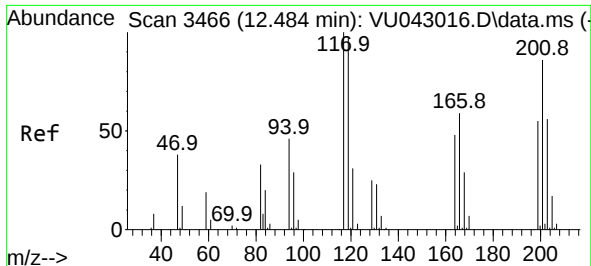
Ion Ratio Lower Upper

146 100

111 78.7 19.7 59.0#

148 70.8 32.8 98.3

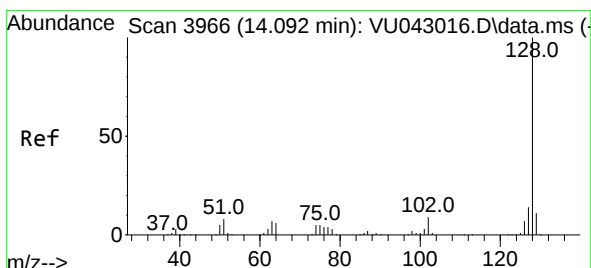
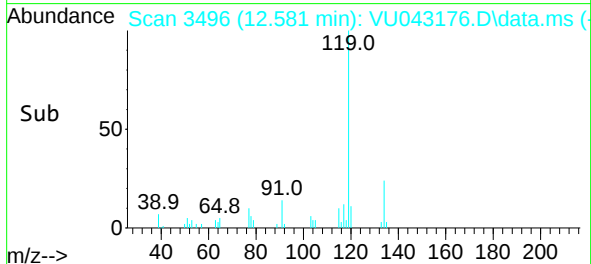
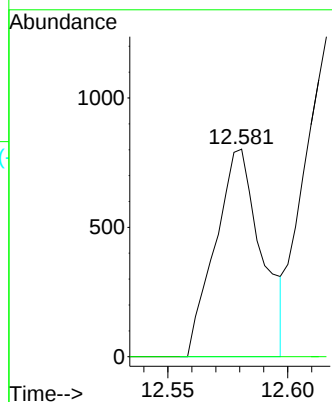
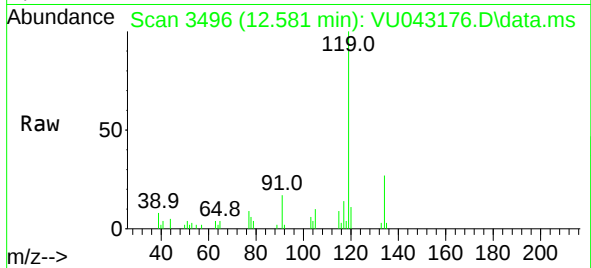




#90
Hexachloroethane
Concen: 1.03 ug/l
RT: 12.581 min Scan# 3496
Delta R.T. 0.097 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

Instrument :
MSVOA_U
ClientSampled :
PZ-15

Tgt Ion:117 Resp: 1074
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#



#95
Naphthalene
Concen: 2.83 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU043176.D
Acq: 16 Apr 2021 18:10

Tgt Ion:128 Resp: 575
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

