

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
 Data File : VU049571.D
 Acq On : 30 Jun 2022 18:19
 Operator : SY/MD
 Sample : N3554-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-03-60

Quant Time: Jul 01 05:27:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

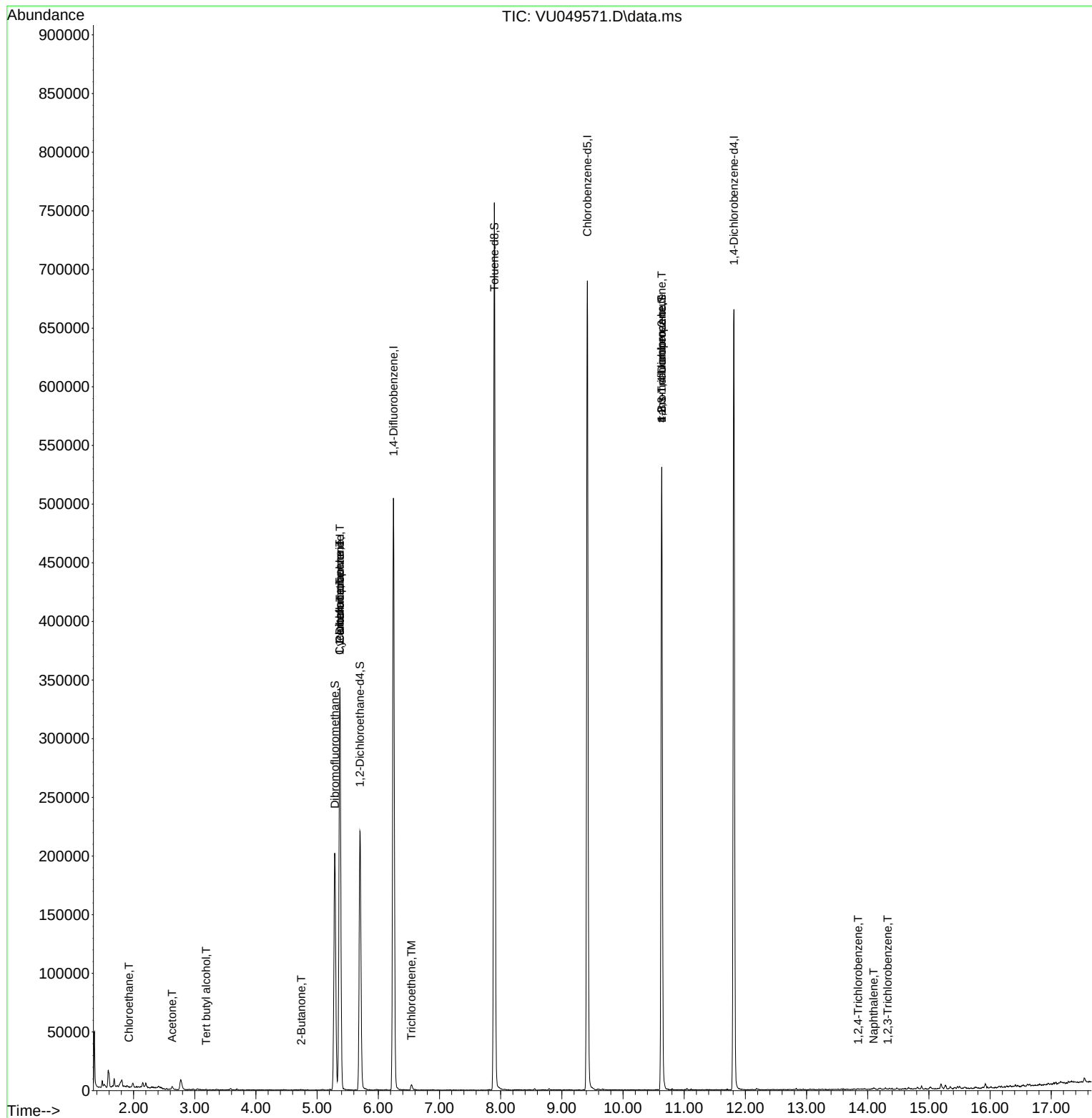
Internal Standards						
1) Pentafluorobenzene	5.372	168	234277	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	412817	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	375425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	173696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	164206	45.511	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.020%
35) Dibromofluoromethane	5.289	113	129666	44.896	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.800%
50) Toluene-d8	7.896	98	496526	48.200	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.400%
62) 4-Bromofluorobenzene	10.632	95	179741	45.549	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.100%
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	2527	Below Cal		92
6) Chloroethane	1.922	64	40	1.937	ug/l #	44
11) Tert butyl alcohol	3.186	59	210	0.249	ug/l #	37
16) Acetone	2.629	43	3039	1.670	ug/l	91
20) Methylene Chloride	3.047	84	340	Below Cal	#	80
25) 2-Butanone	4.742	43	761	0.279	ug/l #	45
31) Cyclohexane	5.369	56	5132	0.947	ug/l #	20
36) 1,1-Dichloropropene	5.369	75	18888	4.510	ug/l #	48
38) Carbon Tetrachloride	5.372	117	23808	5.421	ug/l #	16
44) Trichloroethene	6.543	130	1507	0.501	ug/l	97
76) 1,2,3-Trichloropropane	10.632	75	91953	15.617	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	91953	57.670	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.841	180	46	1.765	ug/l #	48
95) Naphthalene	14.095	128	1867	1.869	ug/l #	71
96) 1,2,3-Trichlorobenzene	14.327	180	47	1.189	ug/l #	12

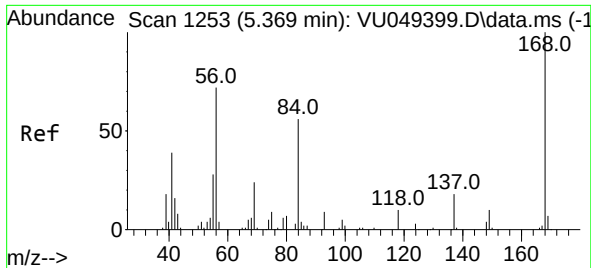
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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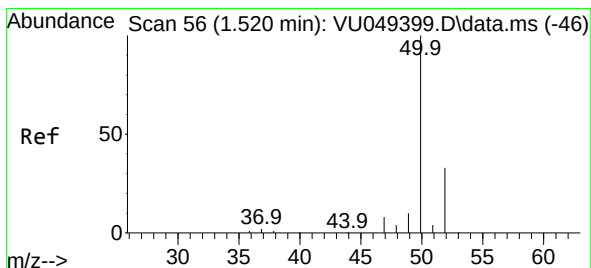
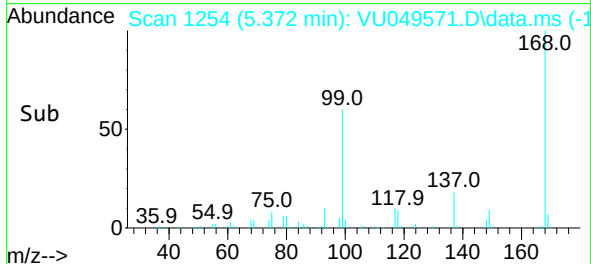
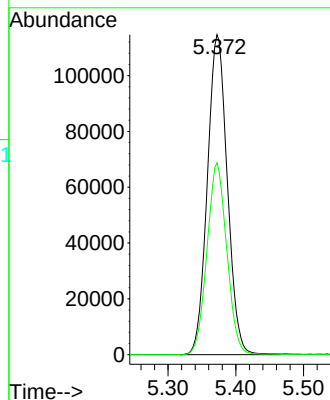
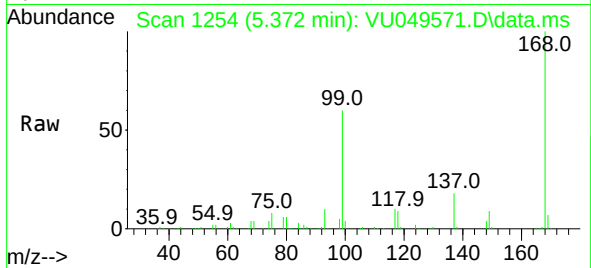




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

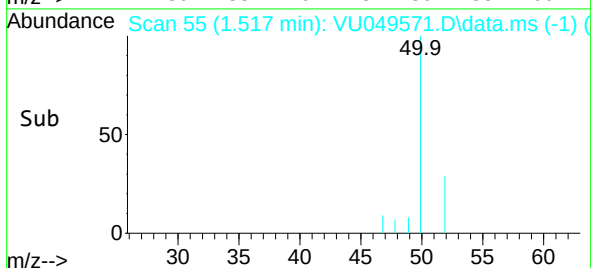
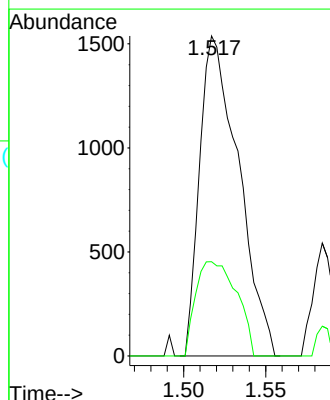
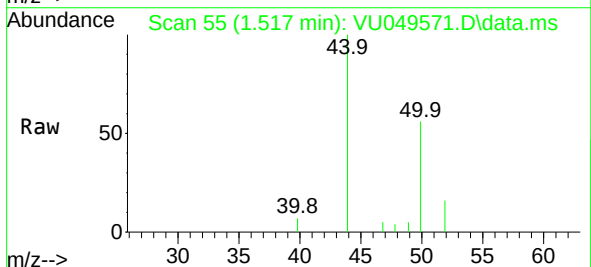
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-03-60

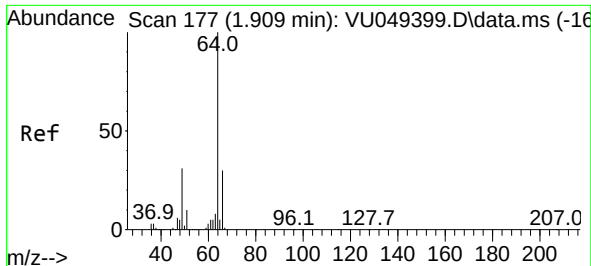
Tgt Ion:168 Resp: 234277
Ion Ratio Lower Upper
168 100
99 60.0 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

Tgt Ion: 50 Resp: 2527
Ion Ratio Lower Upper
50 100
52 29.5 27.4 41.2

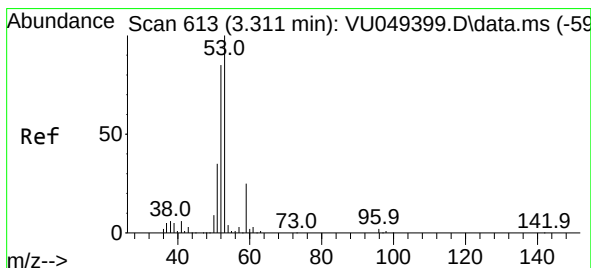
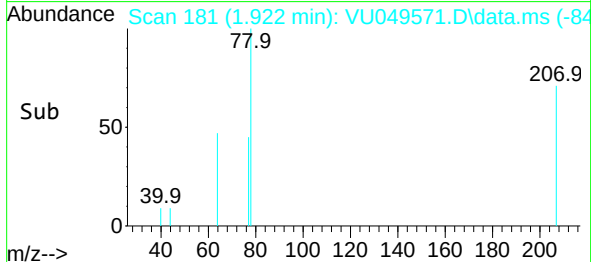
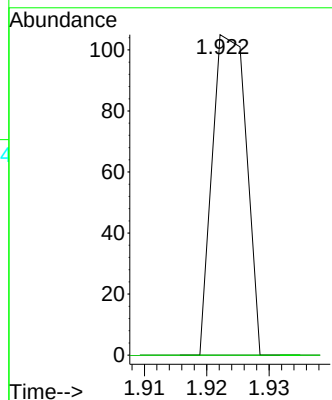
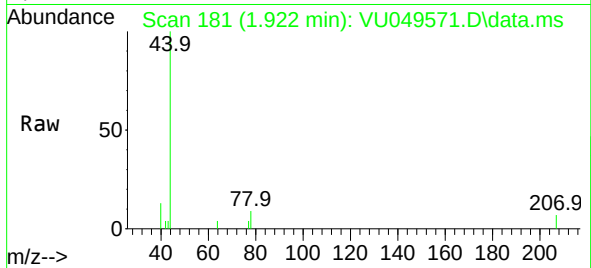




#6
Chloroethane
Concen: 1.937 ug/l
RT: 1.922 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

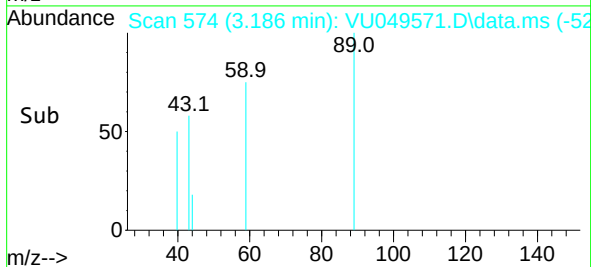
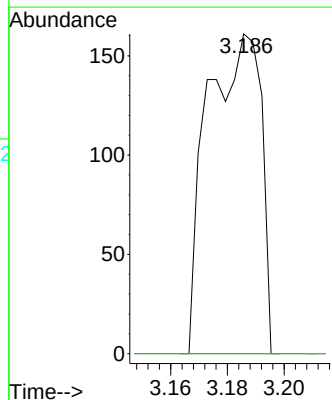
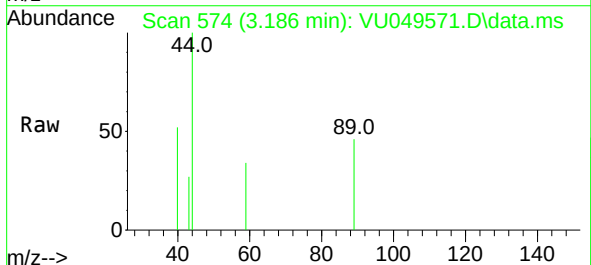
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-03-60

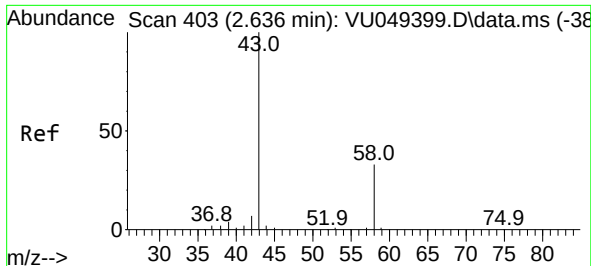
Tgt Ion: 64 Resp: 40
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.249 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#16

Acetone

Concen: 1.670 ug/l

RT: 2.629 min Scan# 403

Delta R.T. -0.006 min

Lab File: VU049571.D

Acq: 30 Jun 2022 18:19

Instrument :

MSVOA_U

ClientSampleId :

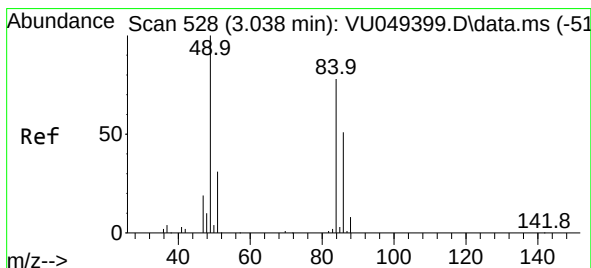
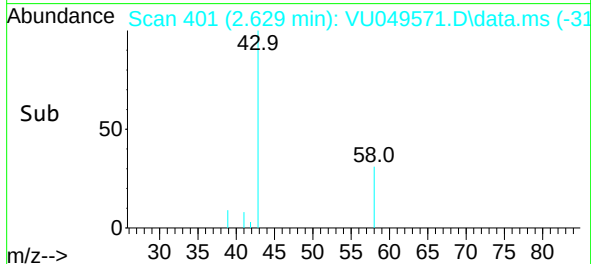
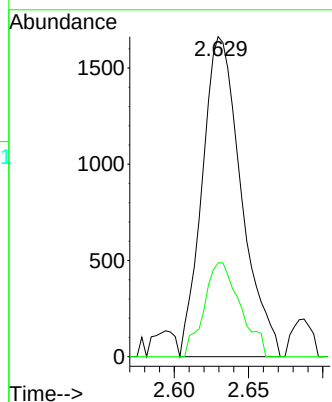
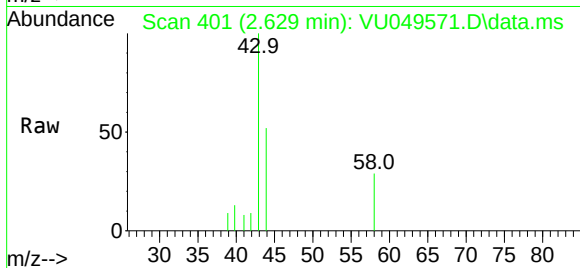
152140-SPC-03-60

Tgt Ion: 43 Resp: 3039

Ion Ratio Lower Upper

43 100

58 29.3 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.047 min Scan# 531

Delta R.T. 0.010 min

Lab File: VU049571.D

Acq: 30 Jun 2022 18:19

Tgt Ion: 84 Resp: 340

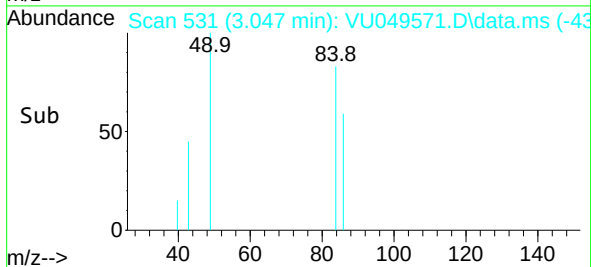
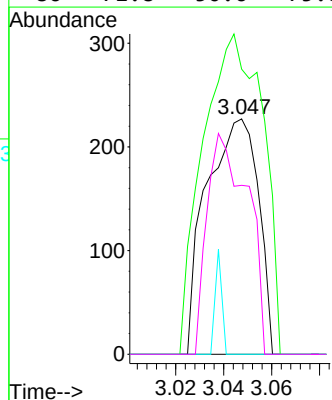
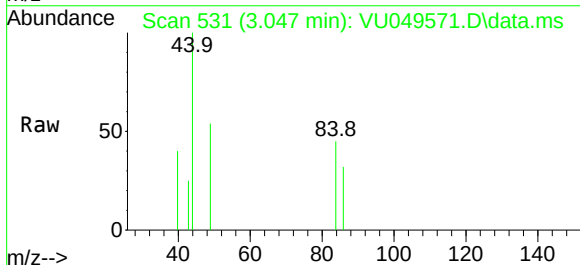
Ion Ratio Lower Upper

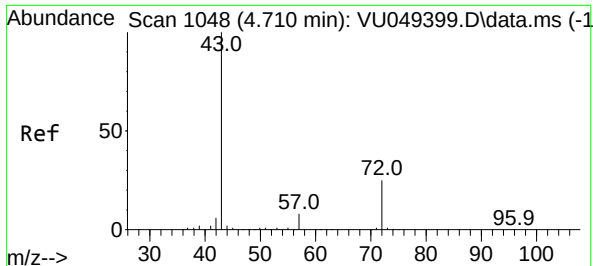
84 100

49 121.1 86.6 129.8

51 0.0 26.6 40.0#

86 71.8 50.6 75.8





#25

2-Butanone

Concen: 0.279 ug/l

RT: 4.742 min Scan# 1058

Delta R.T. 0.032 min

Lab File: VU049571.D

Acq: 30 Jun 2022 18:19

Instrument :

MSVOA_U

ClientSampleId :

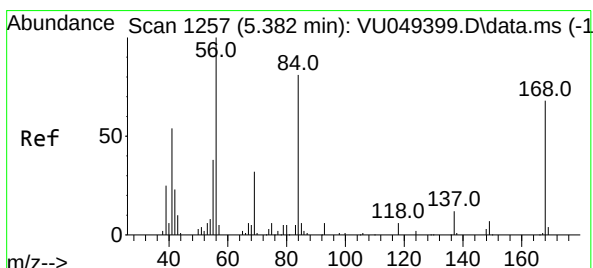
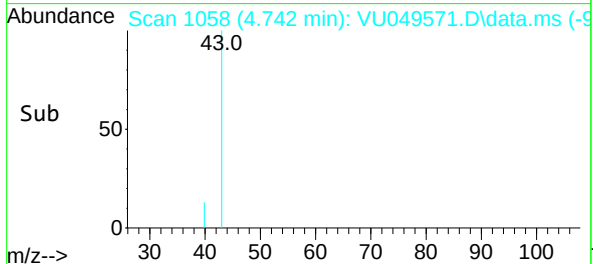
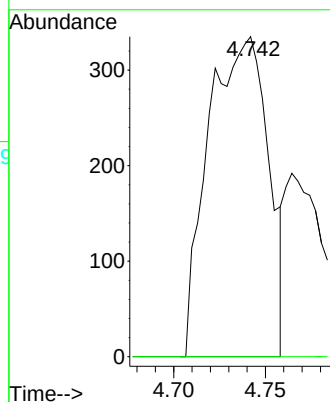
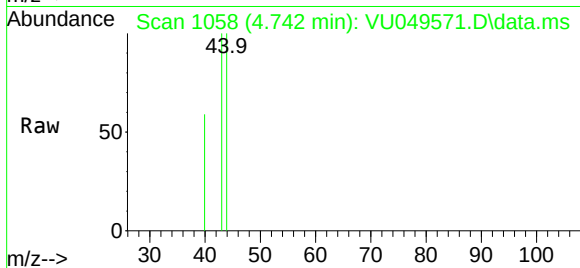
152140-SPC-03-60

Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 0.947 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU049571.D

Acq: 30 Jun 2022 18:19

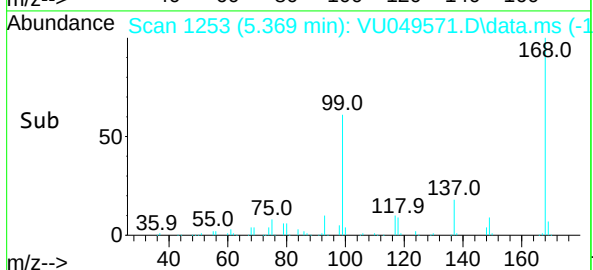
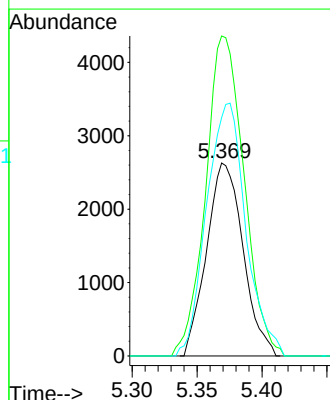
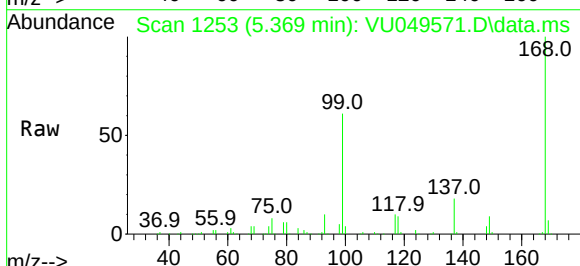
Tgt Ion: 56 Resp: 5132

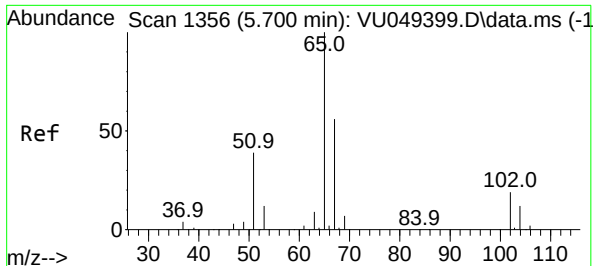
Ion Ratio Lower Upper

56 100

69 162.0 27.8 41.8#

84 119.5 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 45.511 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049571.D

Acq: 30 Jun 2022 18:19

Instrument :

MSVOA_U

ClientSampleId :

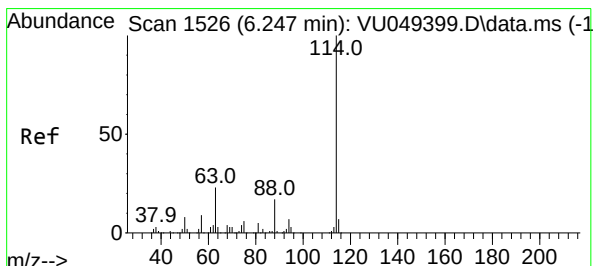
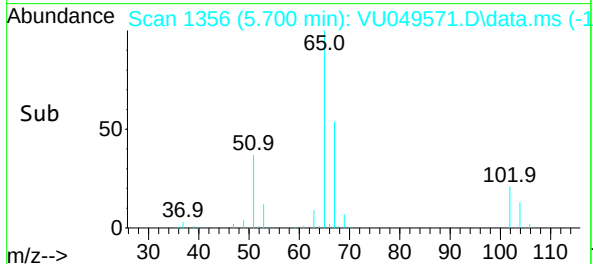
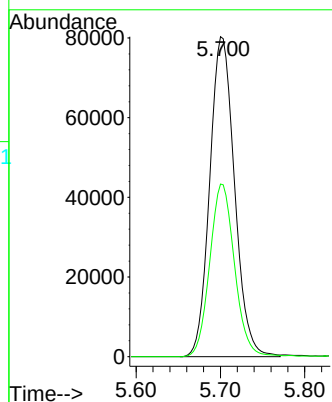
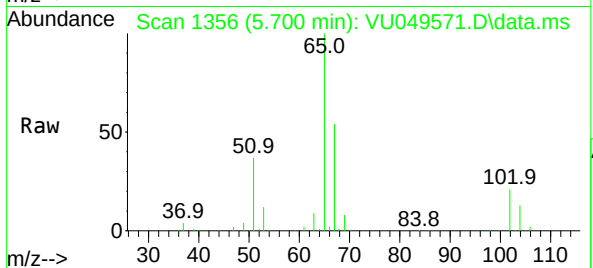
152140-SPC-03-60

Tgt Ion: 65 Resp: 164206

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049571.D

Acq: 30 Jun 2022 18:19

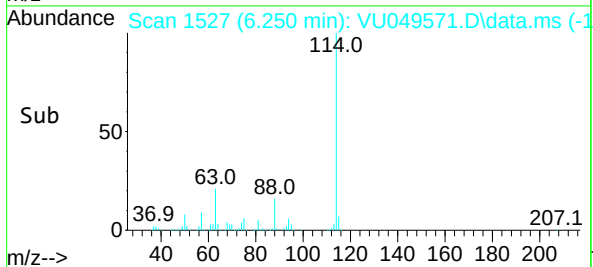
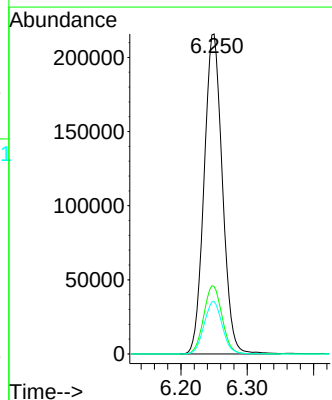
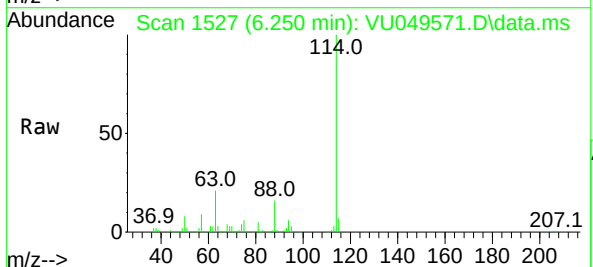
Tgt Ion: 114 Resp: 412817

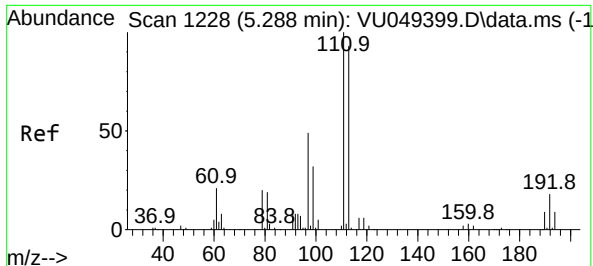
Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.8

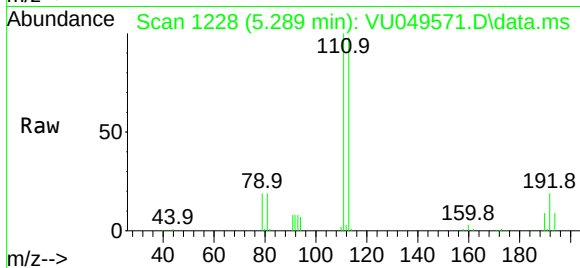
88 16.4 0.0 29.2



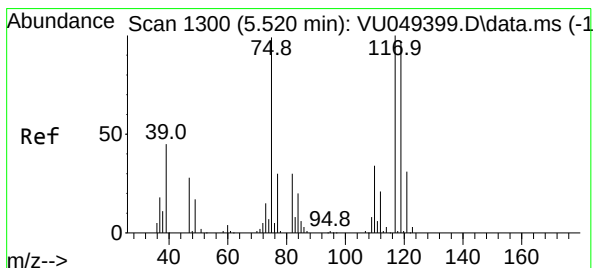
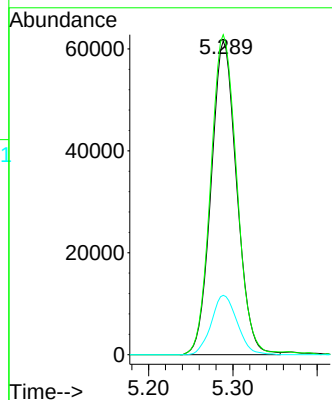
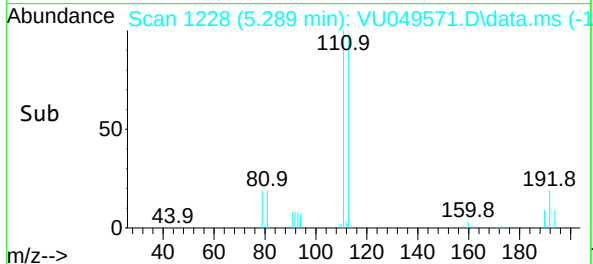


#35
Dibromofluoromethane
Concen: 44.896 ug/l
RT: 5.289 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-03-60

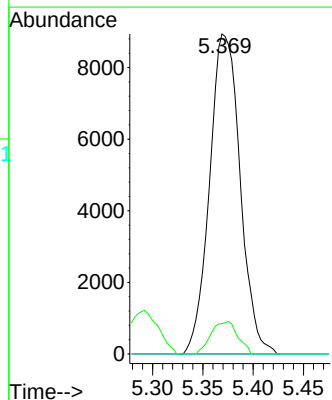
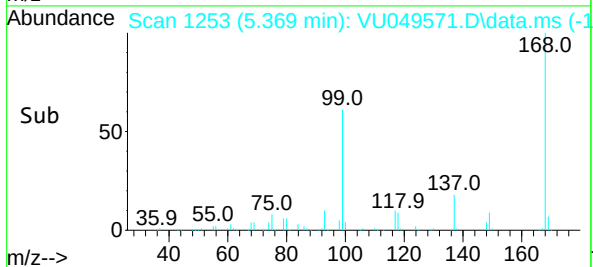
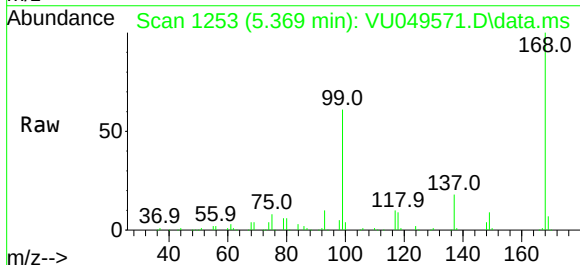


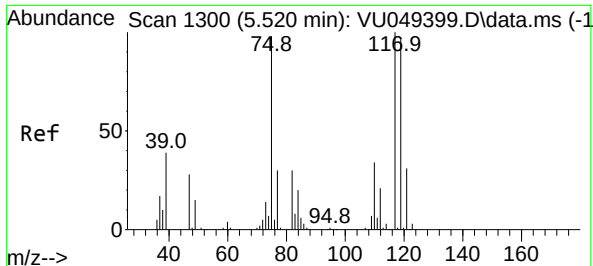
Tgt Ion:113 Resp: 129666
Ion Ratio Lower Upper
113 100
111 103.6 82.1 123.1
192 19.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.510 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.151 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

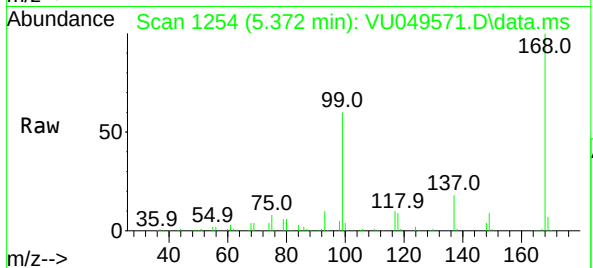
Tgt Ion: 75 Resp: 18888
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 25.1 37.7#



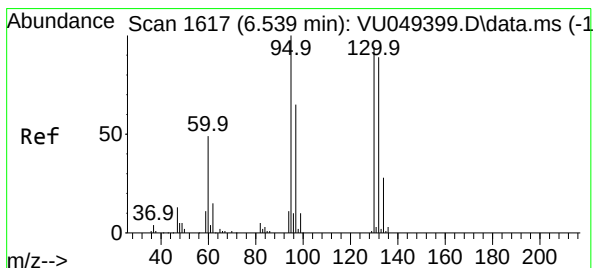
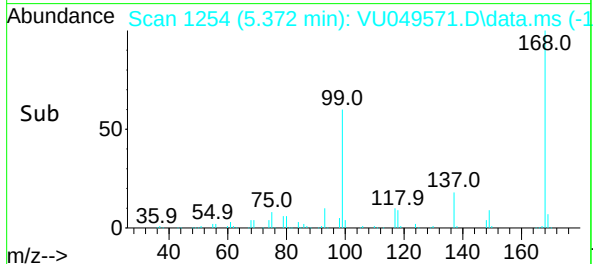
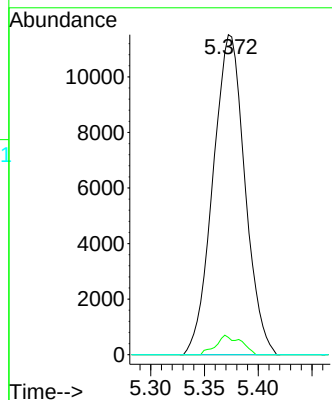


#38
Carbon Tetrachloride
Concen: 5.421 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-03-60

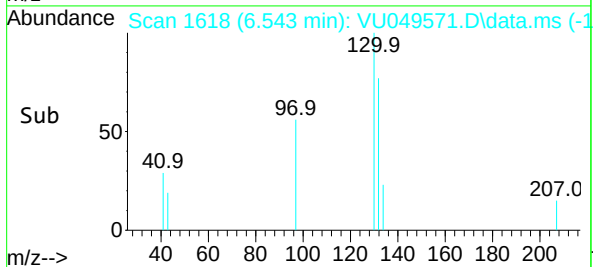
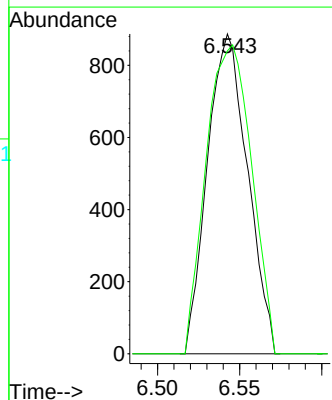
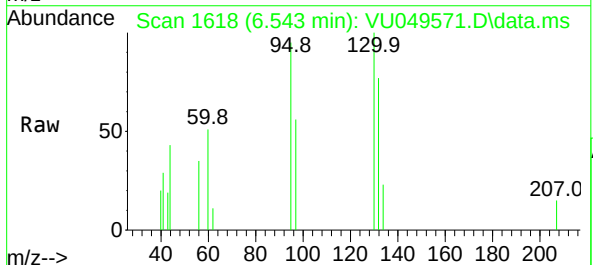


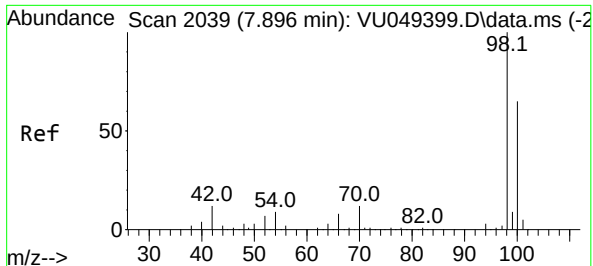
Tgt Ion:117 Resp: 23808
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 0.501 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

Tgt Ion:130 Resp: 1507
Ion Ratio Lower Upper
130 100
95 94.7 0.0 184.6

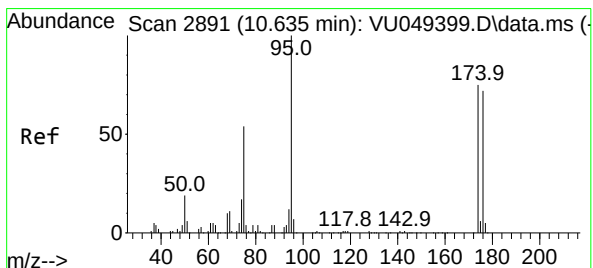
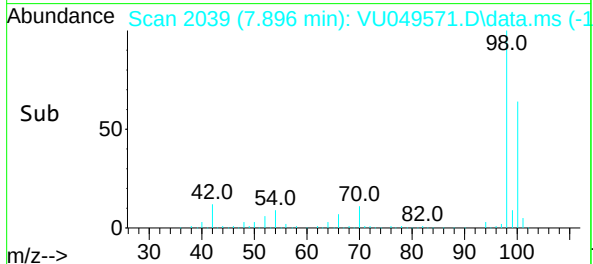
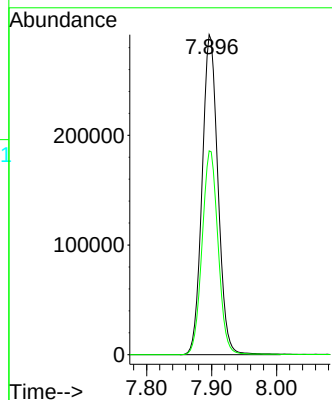
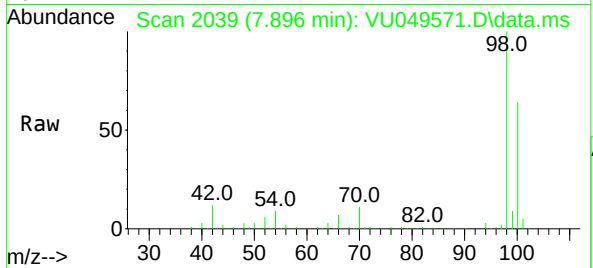




#50
Toluene-d8
Concen: 48.200 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

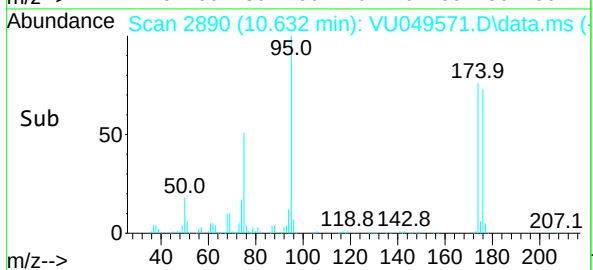
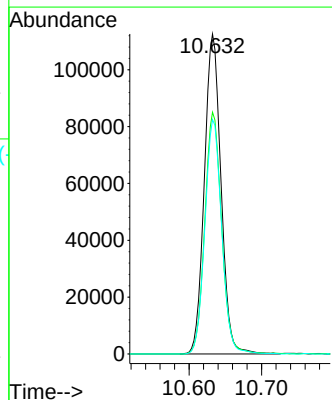
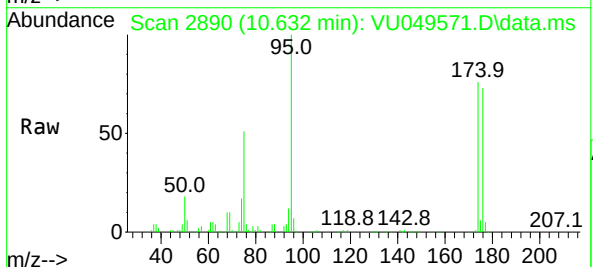
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-03-60

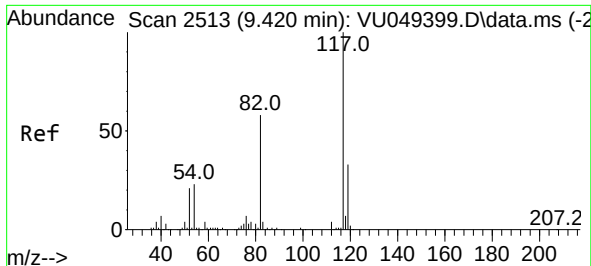
Tgt Ion: 98 Resp: 496526
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.549 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

Tgt Ion: 95 Resp: 179741
Ion Ratio Lower Upper
95 100
174 76.2 0.0 182.0
176 73.9 0.0 177.8

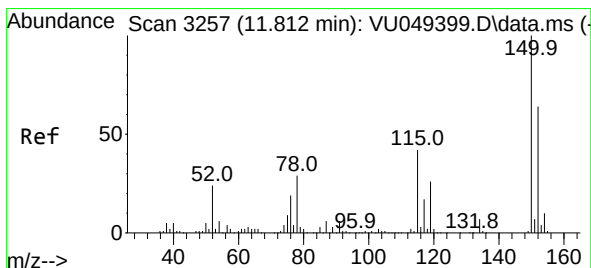
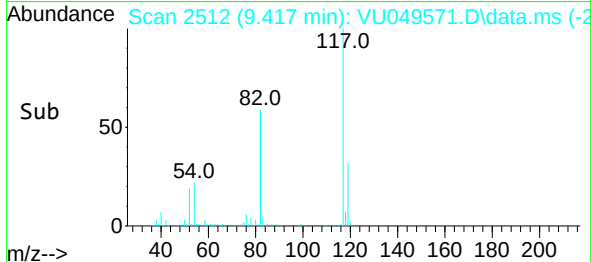
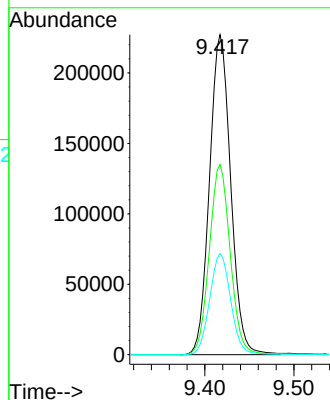
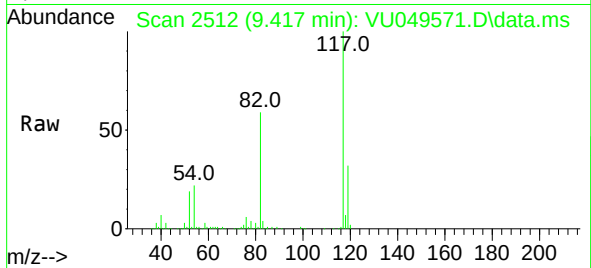




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

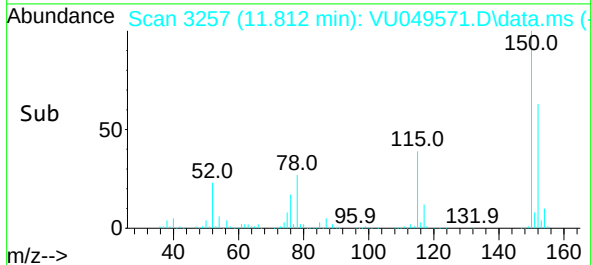
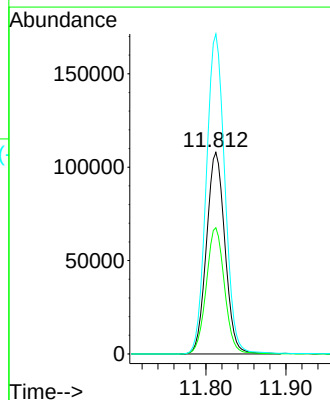
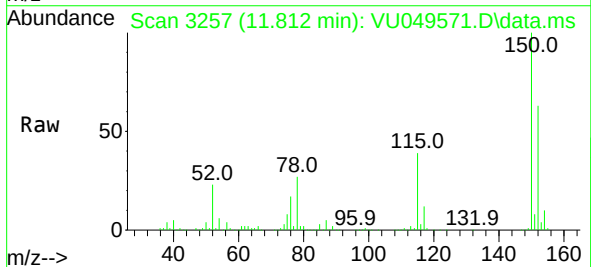
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-03-60

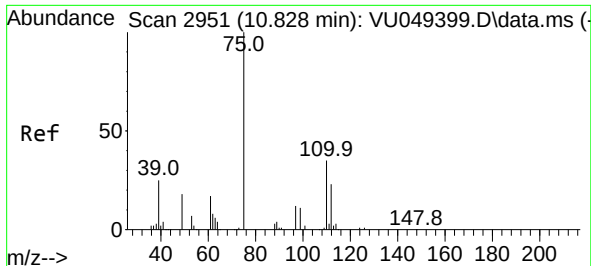
Tgt Ion:117 Resp: 375425
Ion Ratio Lower Upper
117 100
82 59.4 41.7 62.5
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

Tgt Ion:152 Resp: 173696
Ion Ratio Lower Upper
152 100
115 62.0 37.0 110.9
150 159.5 0.0 342.2

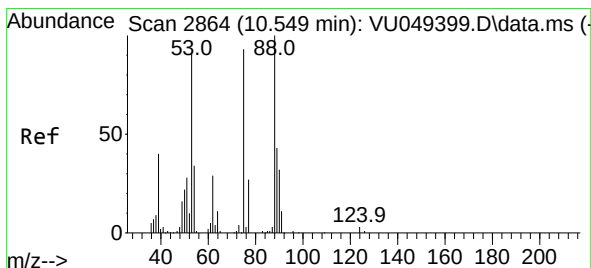
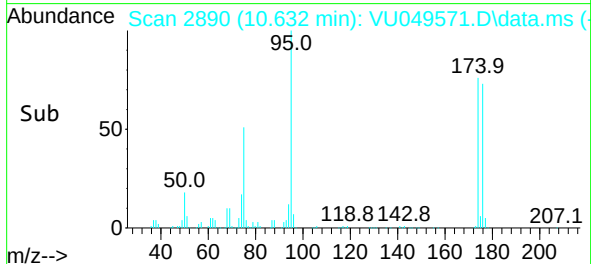
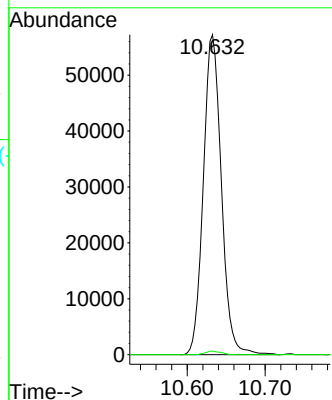
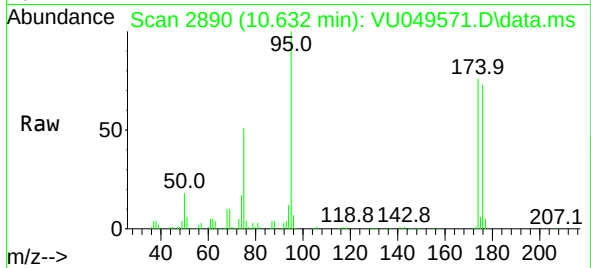




#76
1,2,3-Trichloropropane
Concen: 15.617 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

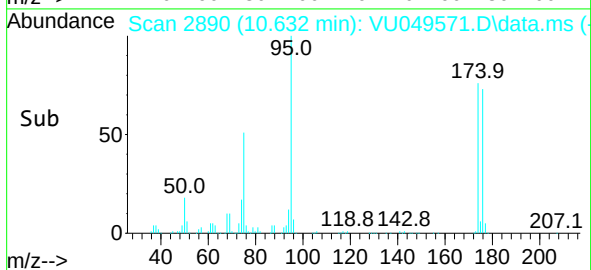
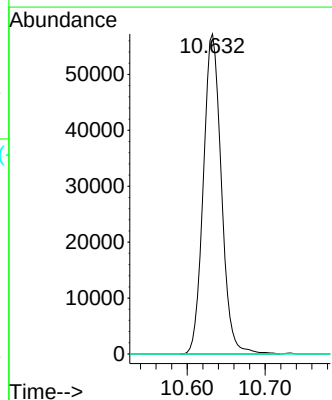
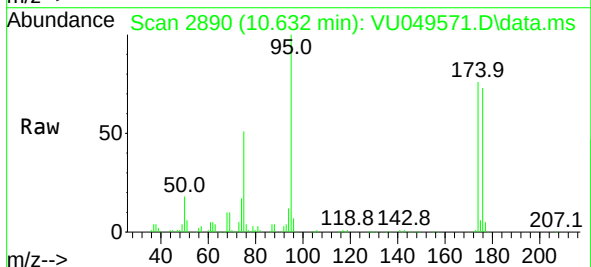
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-03-60

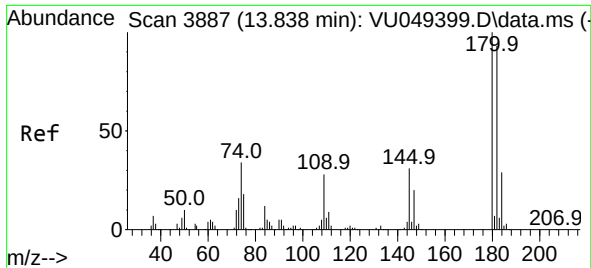
Tgt Ion: 75 Resp: 91953
Ion Ratio Lower Upper
75 100
77 1.0 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.670 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

Tgt Ion: 75 Resp: 91953
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

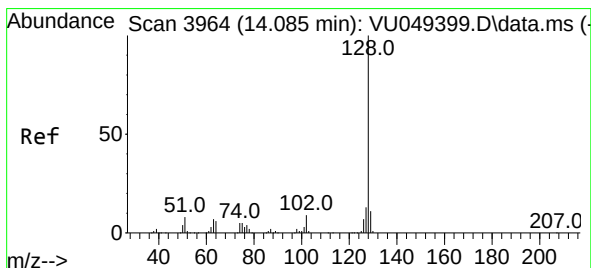
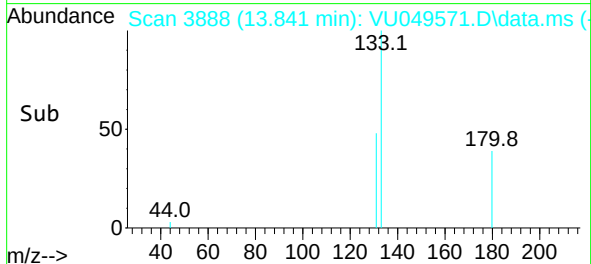
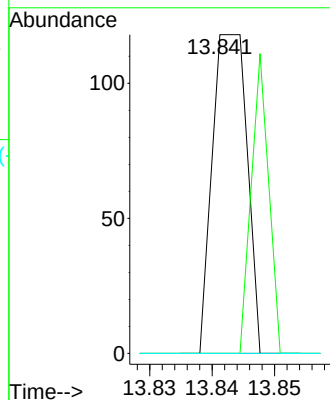
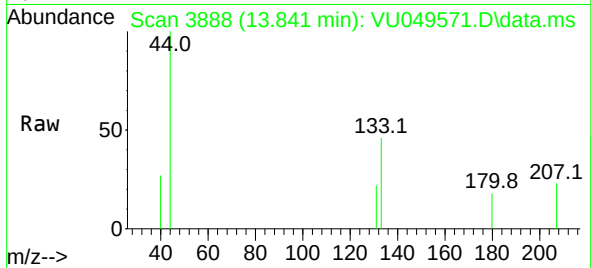




#93
1,2,4-Trichlorobenzene
Concen: 1.765 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

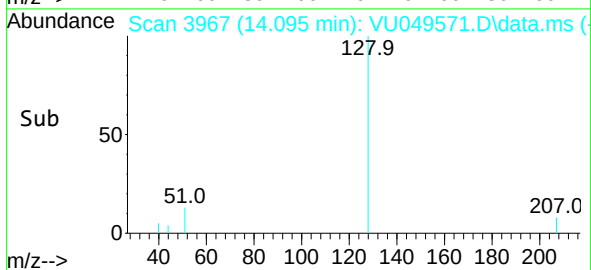
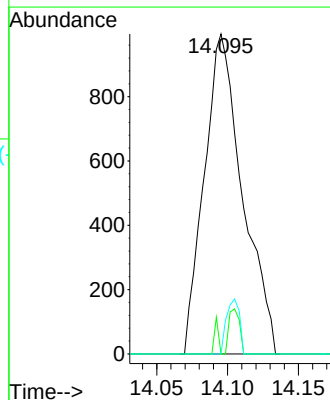
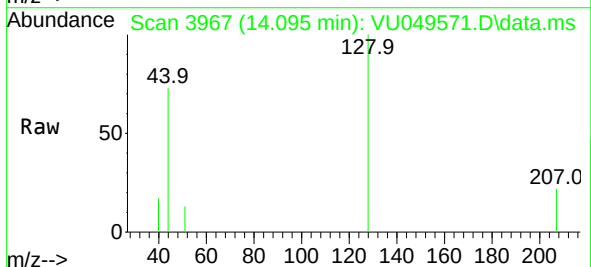
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-03-60

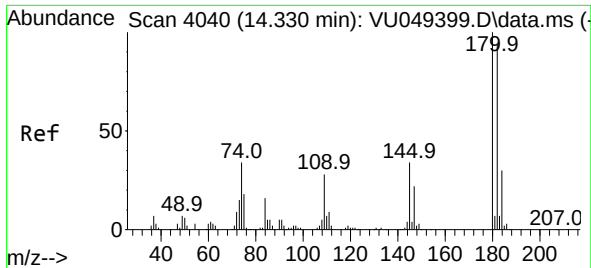
Tgt Ion:180 Resp: 46
Ion Ratio Lower Upper
180 100
182 45.7 47.9 143.6#
145 0.0 14.0 41.9#



#95
Naphthalene
Concen: 1.869 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU049571.D
Acq: 30 Jun 2022 18:19

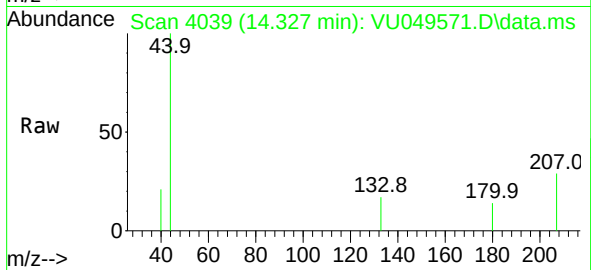
Tgt Ion:128 Resp: 1867
Ion Ratio Lower Upper
128 100
127 1.2 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.189 ug/l
 RT: 14.327 min Scan# 40
 Delta R.T. -0.003 min
 Lab File: VU049571.D
 Acq: 30 Jun 2022 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-03-60



Tgt Ion:180 Resp: 47
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.4 145.0#
 145 0.0 14.8 44.4#

