

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049420.D
 Acq On : 27 Jun 2022 22:45
 Operator : SY/MD
 Sample : VU0627MBL02
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL02

Quant Time: Jun 28 05:29:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 05:14:22 2022
 Response via : Initial Calibration

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

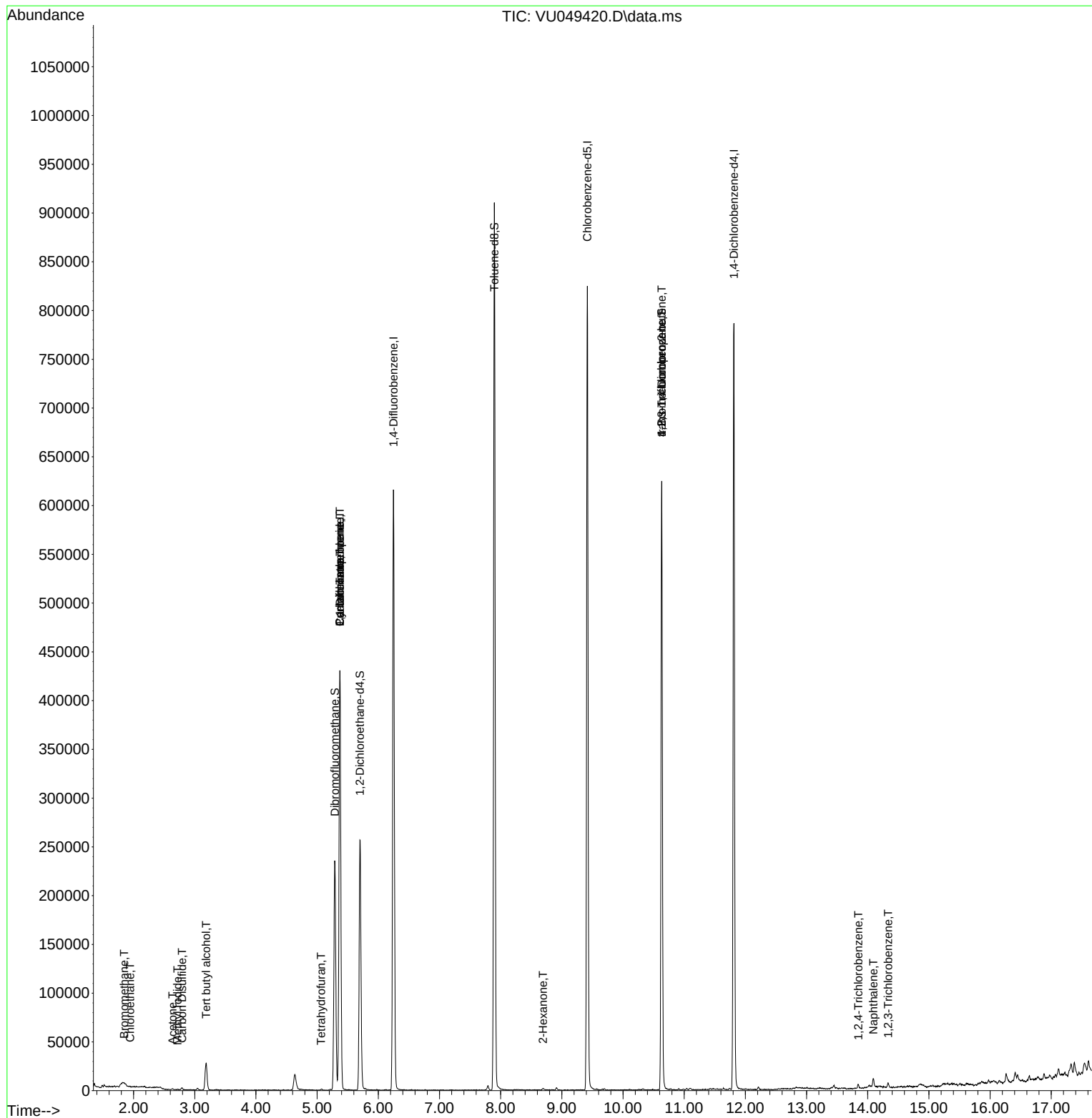
Internal Standards						
1) Pentafluorobenzene	5.372	168	295686	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	502361	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	447442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	207041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	190460	41.825	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	83.640%
35) Dibromofluoromethane	5.288	113	154528	43.967	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.940%
50) Toluene-d8	7.896	98	598045	47.707	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.420%
62) 4-Bromofluorobenzene	10.632	95	218319	45.464	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.920%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1833	Below Cal		92
5) Bromomethane	1.848	94	659	0.443	ug/l	87
6) Chloroethane	1.945	64	95	1.957	ug/l	# 44
10) Methyl Iodide	2.719	142	257	7.581	ug/l	# 82
11) Tert butyl alcohol	3.186	59	17712	16.618	ug/l	# 38
16) Acetone	2.639	43	1461	0.636	ug/l	95
17) Carbon Disulfide	2.793	76	2122	0.212	ug/l	# 88
20) Methylene Chloride	3.044	84	714	Below Cal	#	87
29) Tetrahydrofuran	5.067	42	638	0.270	ug/l	# 56
31) Cyclohexane	5.372	56	6170	0.902	ug/l	# 1
36) 1,1-Dichloropropene	5.372	75	24072	4.724	ug/l	# 48
38) Carbon Tetrachloride	5.372	117	30885	5.779	ug/l	# 16
59) 2-Hexanone	8.693	43	1547	0.288	ug/l	93
76) 1,2,3-Trichloropropane	10.632	75	110053	15.680	ug/l	# 45
81) trans-1,4-Dichloro-2-b...	10.632	75	110053	57.906	ug/l	# 15
93) 1,2,4-Trichlorobenzene	13.844	180	1325	2.029	ug/l	99
95) Naphthalene	14.092	128	7680	2.193	ug/l	# 95
96) 1,2,3-Trichlorobenzene	14.333	180	1450	1.474	ug/l	93

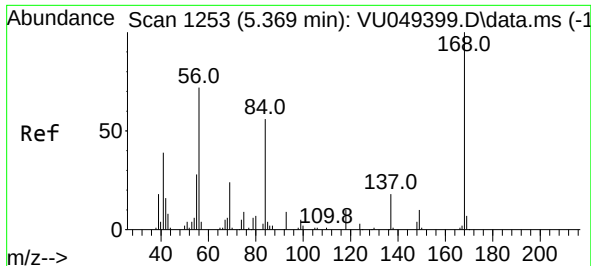
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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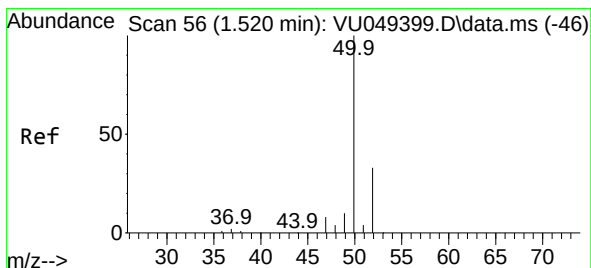
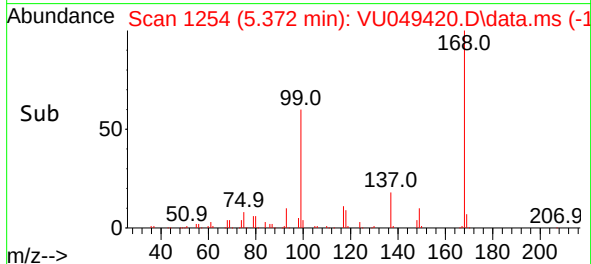
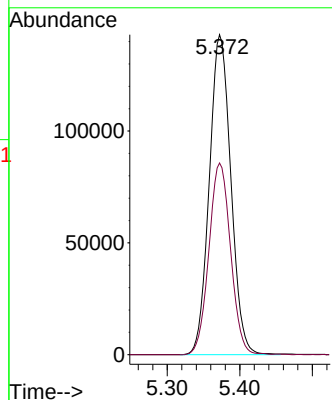
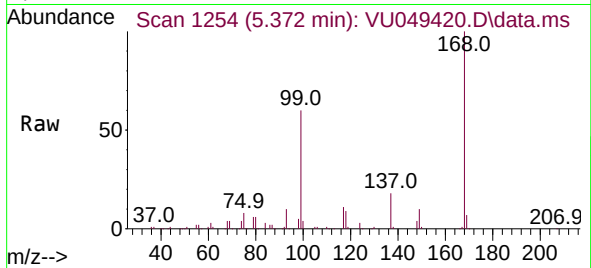




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

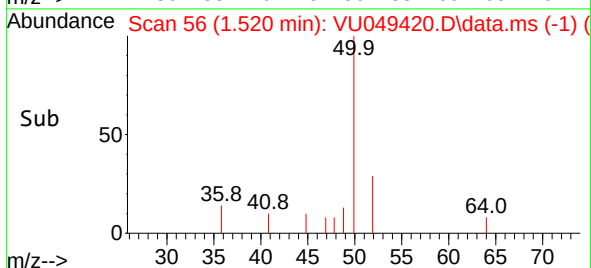
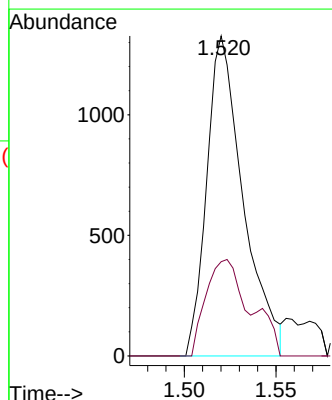
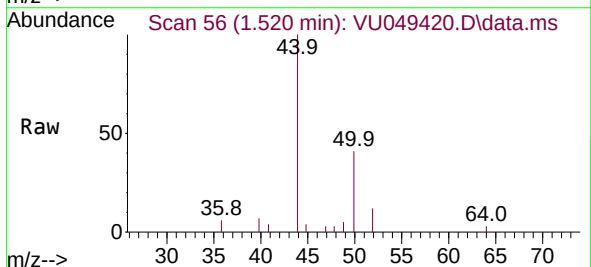
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL02

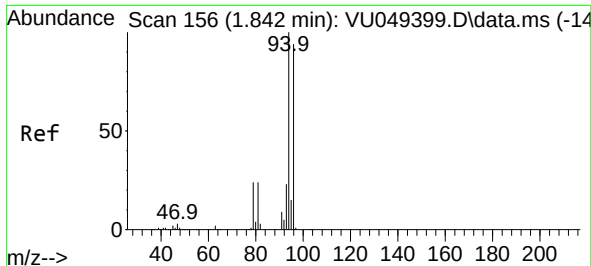
Tgt Ion:168 Resp: 295686
Ion Ratio Lower Upper
168 100
99 59.9 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Tgt Ion: 50 Resp: 1833
Ion Ratio Lower Upper
50 100
52 29.5 27.4 41.2

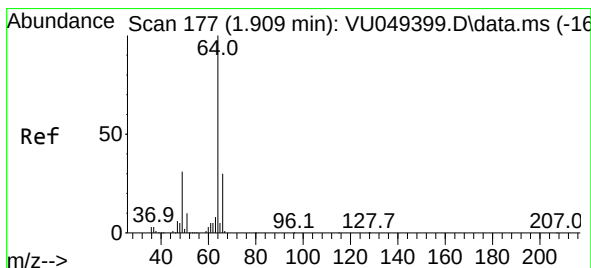
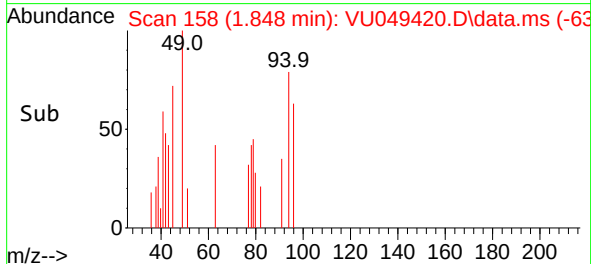
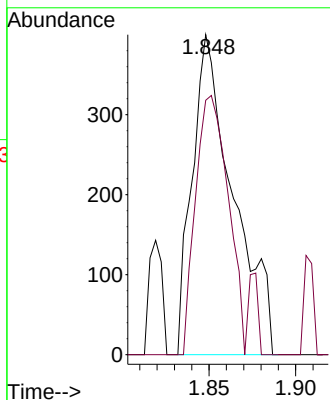
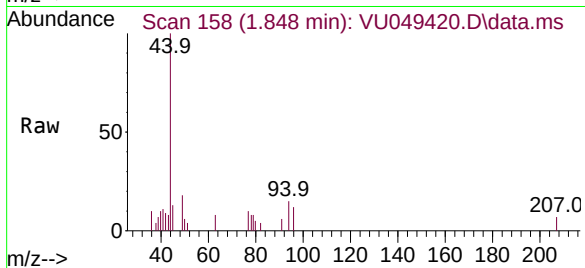




#5
Bromomethane
Concen: 0.443 ug/l
RT: 1.848 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

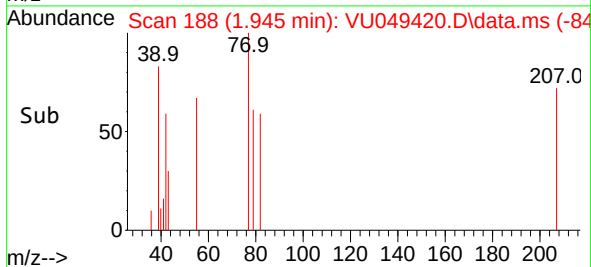
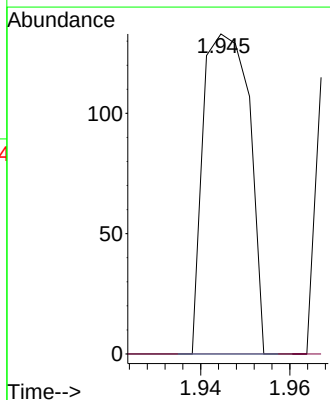
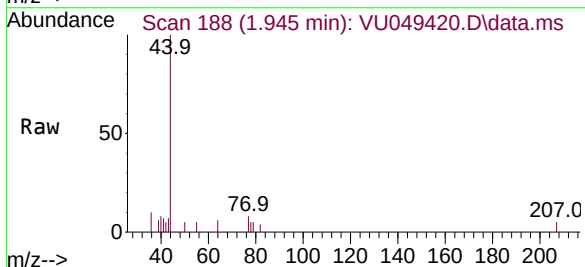
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL02

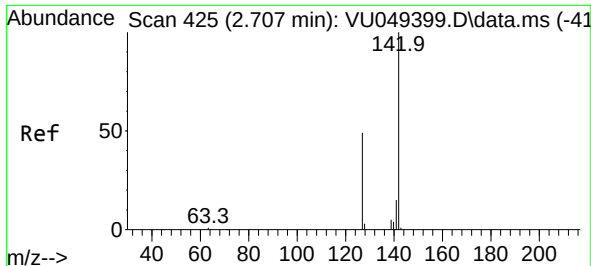
Tgt Ion: 94 Resp: 659
Ion Ratio Lower Upper
94 100
96 79.5 73.7 110.5



#6
Chloroethane
Concen: 1.957 ug/l
RT: 1.945 min Scan# 188
Delta R.T. 0.035 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

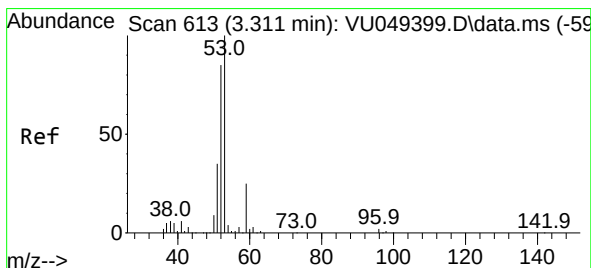
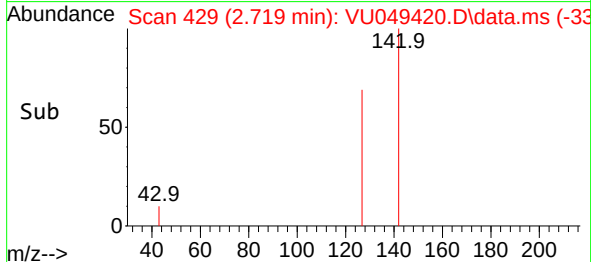
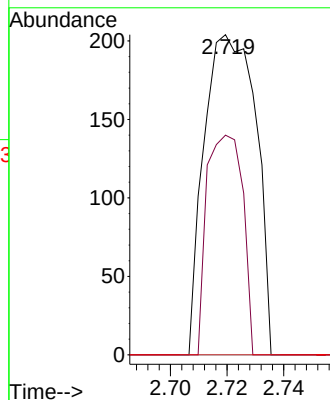
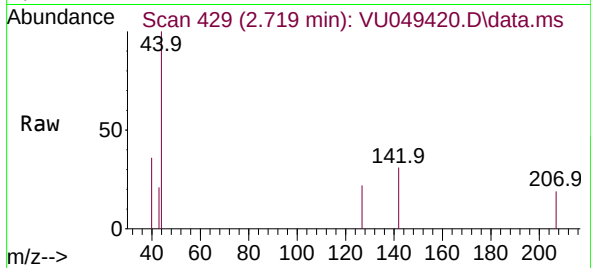




#10
Methyl Iodide
Concen: 7.581 ug/l
RT: 2.719 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

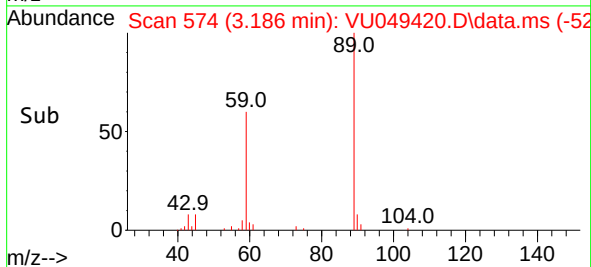
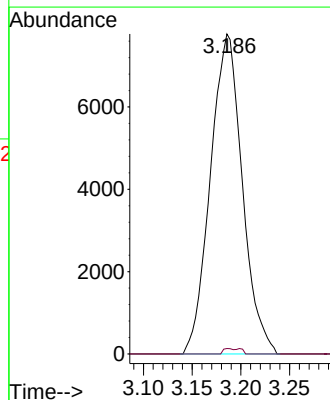
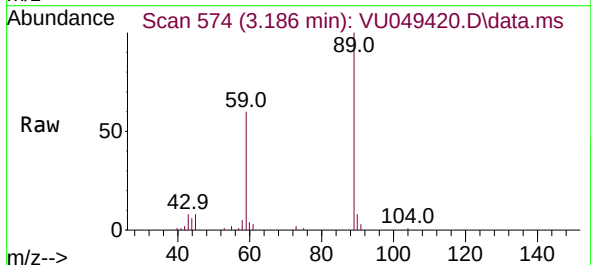
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL02

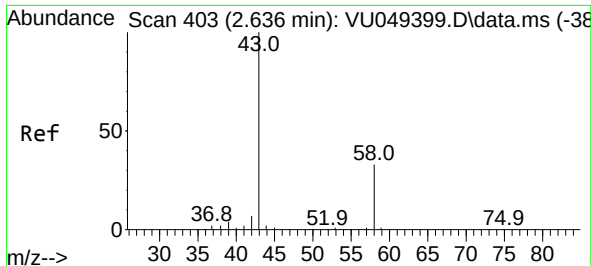
Tgt Ion:142 Resp: 257
Ion Ratio Lower Upper
142 100
127 47.9 32.5 48.7
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 16.618 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Tgt Ion: 59 Resp: 17712
Ion Ratio Lower Upper
59 100
57 0.5 30.6 45.8#

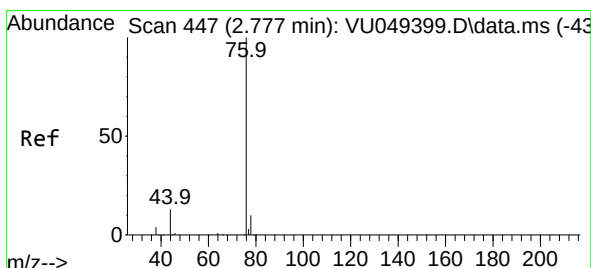
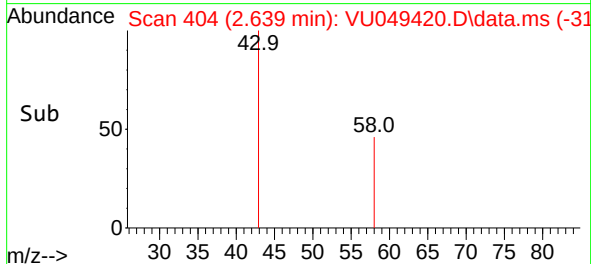
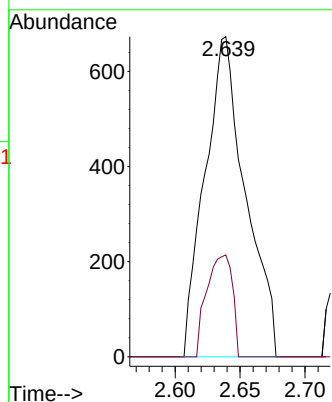
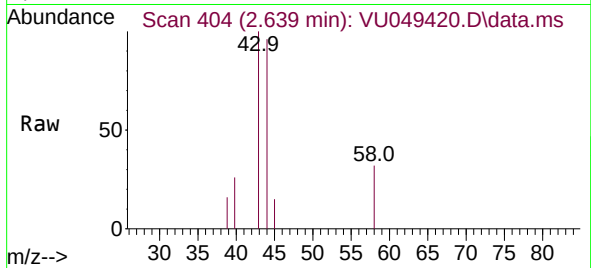




#16
Acetone
Concen: 0.636 ug/l
RT: 2.639 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

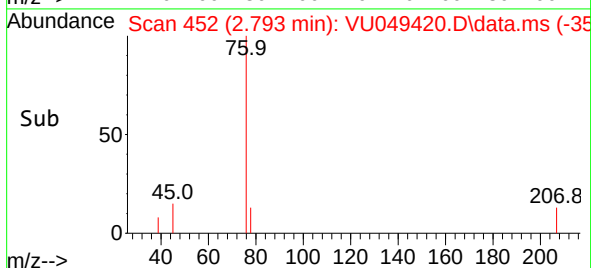
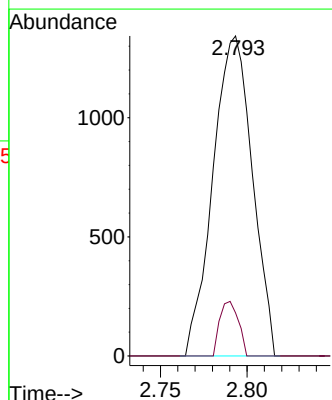
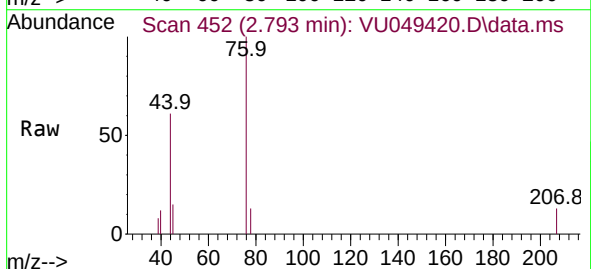
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL02

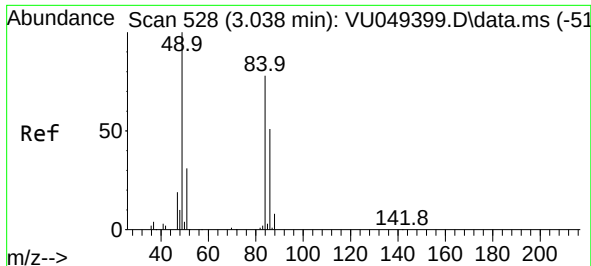
Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
58 31.8 27.5 41.3



#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 2.793 min Scan# 452
Delta R.T. 0.016 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Tgt Ion: 76 Resp: 2122
Ion Ratio Lower Upper
76 100
78 13.5 7.3 10.9#

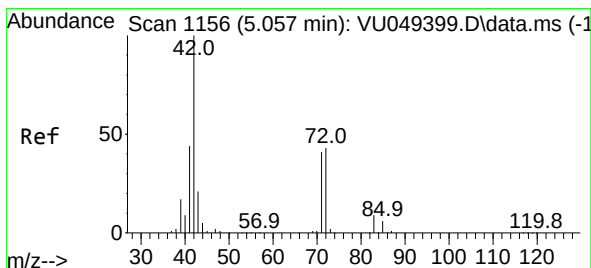
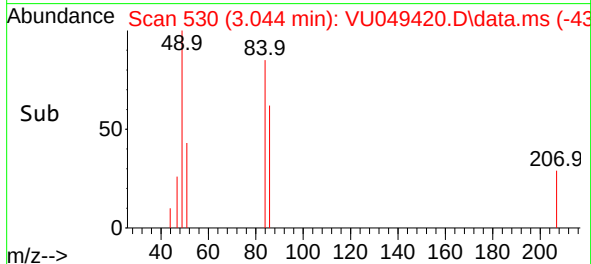
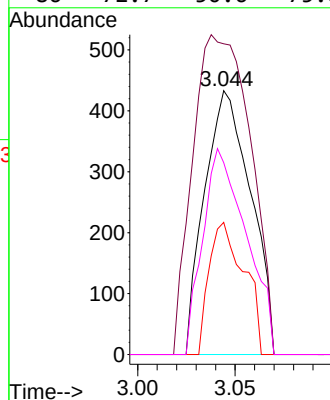
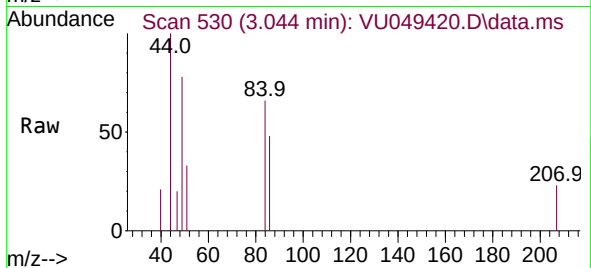




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

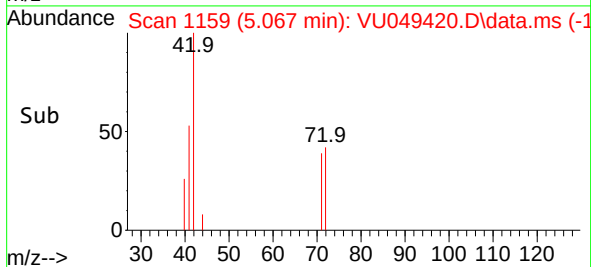
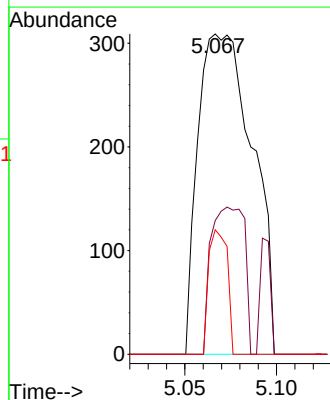
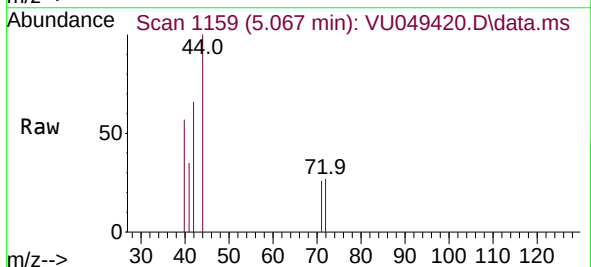
Instrument :
MSVOA_U
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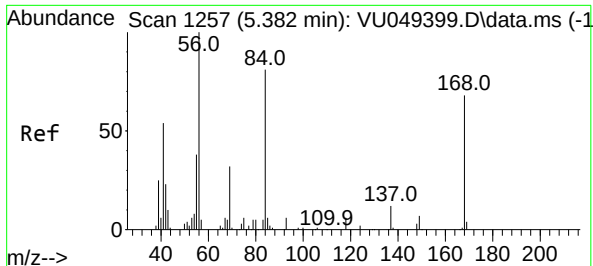
Tgt Ion:	84	Resp:	714
Ion	Ratio	Lower	Upper
84	100		
49	117.8	86.6	129.8
51	50.1	26.6	40.0#
86	72.7	50.6	75.8



#29
Tetrahydrofuran
Concen: 0.270 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Tgt Ion:	42	Resp:	638
Ion	Ratio	Lower	Upper
42	100		
72	28.1	42.6	63.8#
71	13.2	40.3	60.5#





#31

Cyclohexane

Concen: 0.902 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU049420.D

Acq: 27 Jun 2022 22:45

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL02

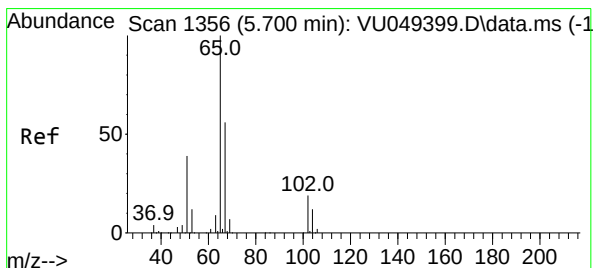
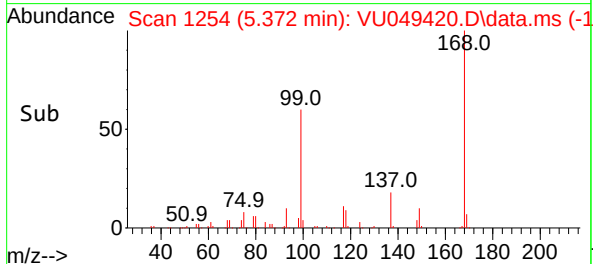
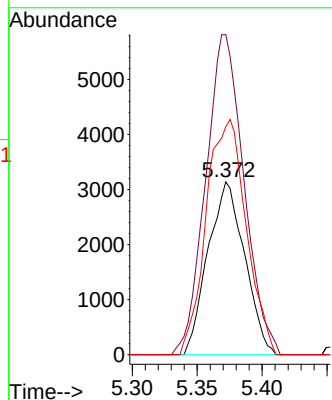
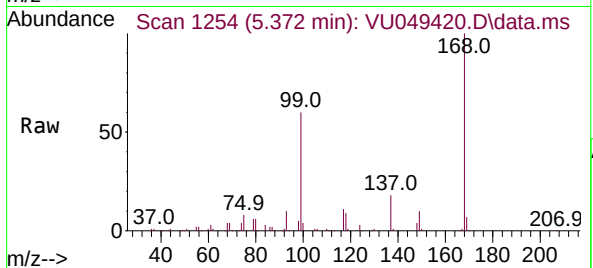
Tgt Ion: 56 Resp: 6170

Ion Ratio Lower Upper

56 100

69 185.3 27.8 41.8#

84 132.0 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 41.825 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU049420.D

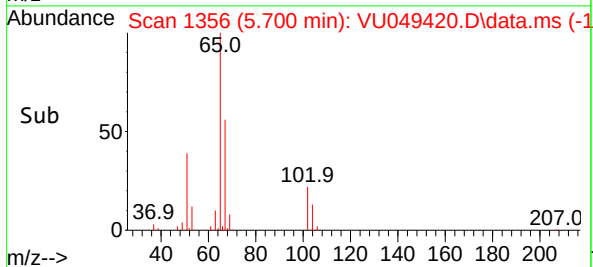
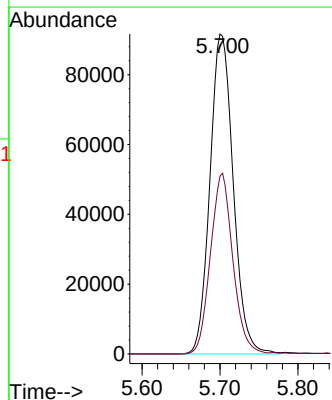
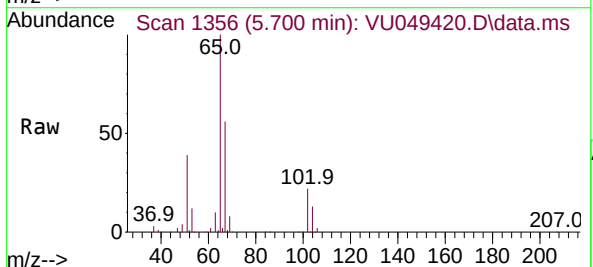
Acq: 27 Jun 2022 22:45

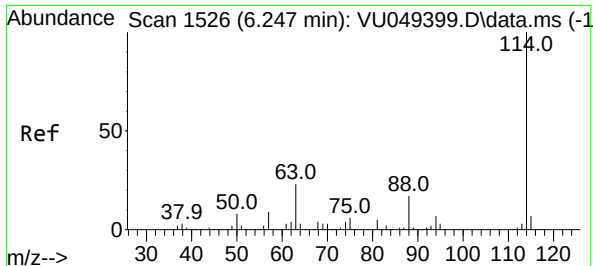
Tgt Ion: 65 Resp: 190460

Ion Ratio Lower Upper

65 100

67 54.3 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: VU049420.D

Acq: 27 Jun 2022 22:45

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL02

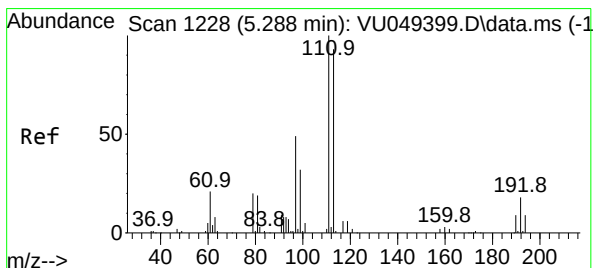
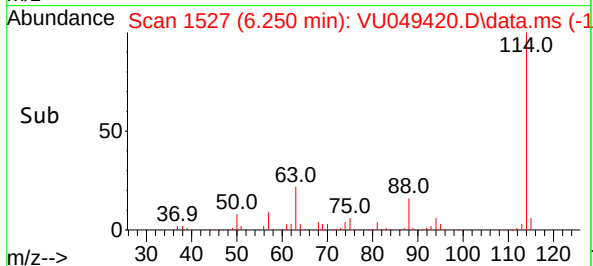
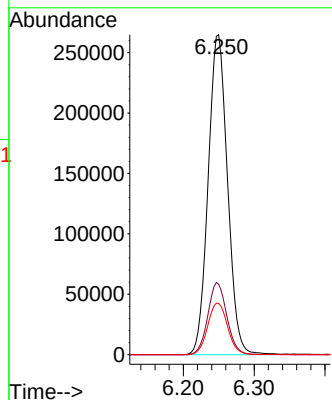
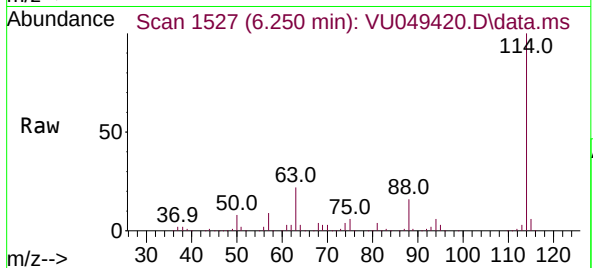
Tgt Ion:114 Resp: 502361

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 16.0 0.0 29.2



#35

Dibromofluoromethane

Concen: 43.967 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049420.D

Acq: 27 Jun 2022 22:45

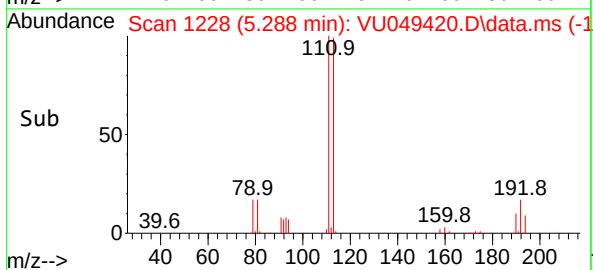
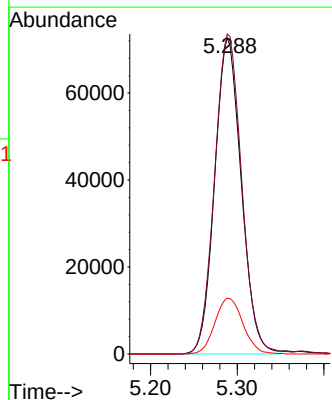
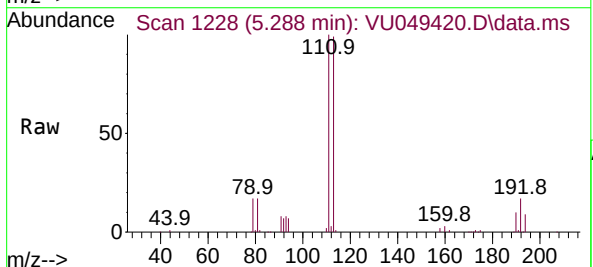
Tgt Ion:113 Resp: 154528

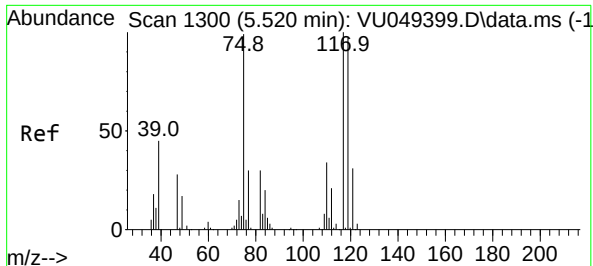
Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

192 18.6 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.724 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049420.D

Acq: 27 Jun 2022 22:45

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL02

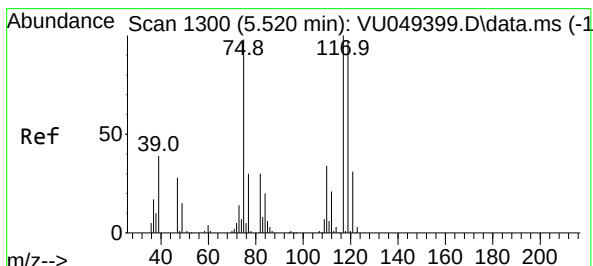
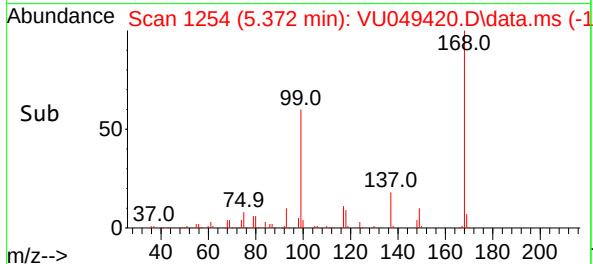
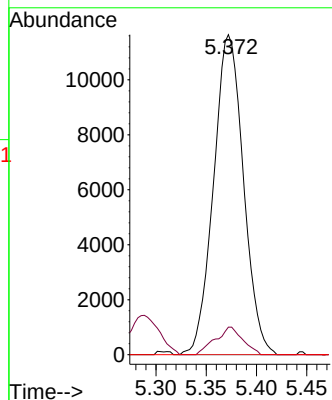
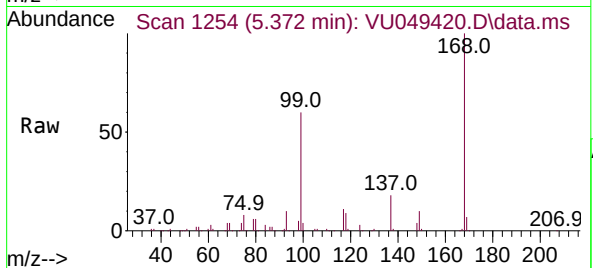
Tgt Ion: 75 Resp: 24072

Ion Ratio Lower Upper

75 100

110 7.9 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.779 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049420.D

Acq: 27 Jun 2022 22:45

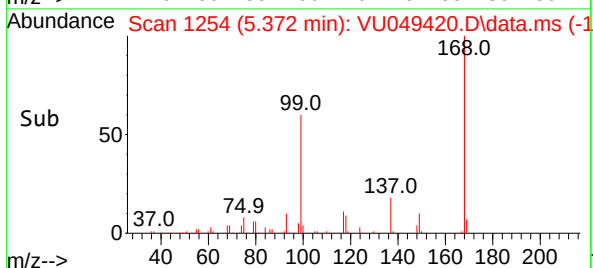
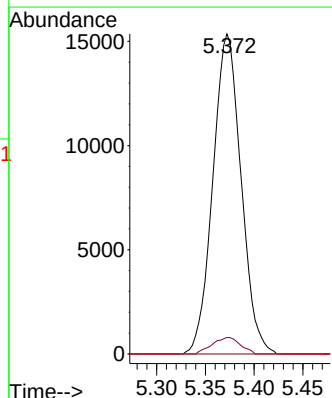
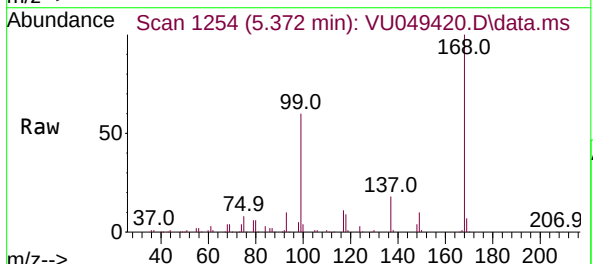
Tgt Ion: 117 Resp: 30885

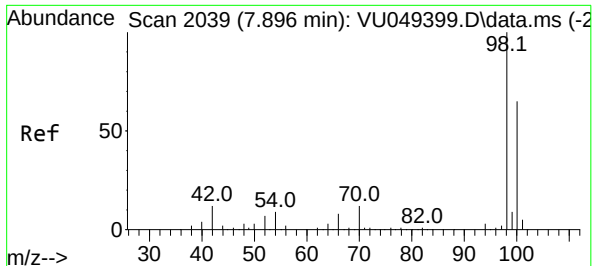
Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 24.7 37.1#

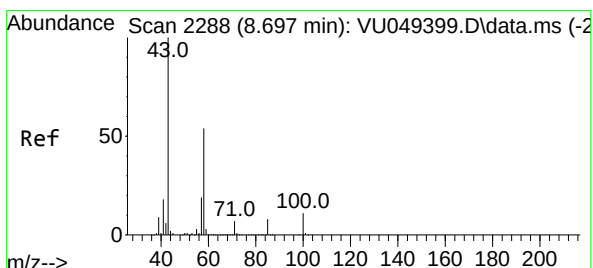
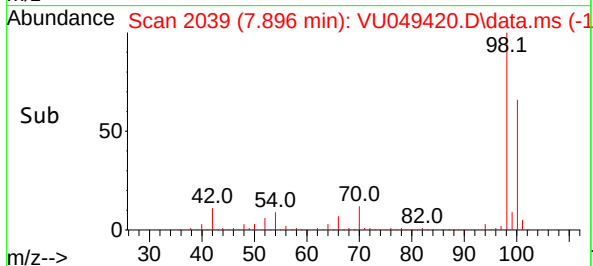
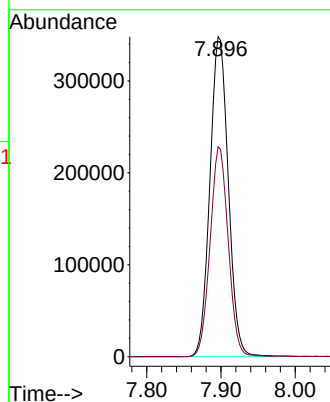
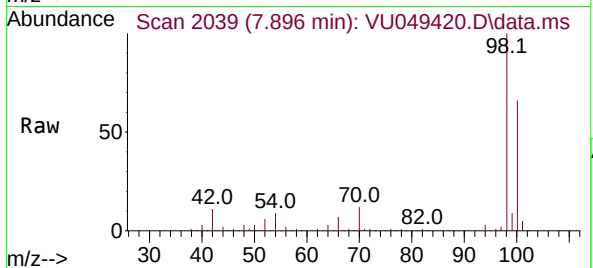




#50
Toluene-d8
Concen: 47.707 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

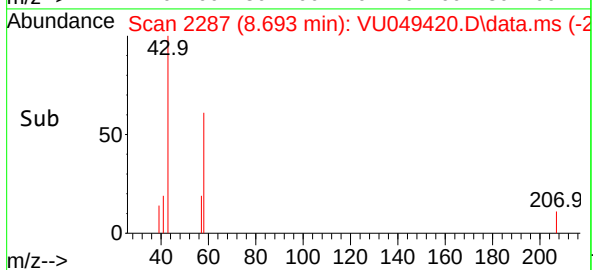
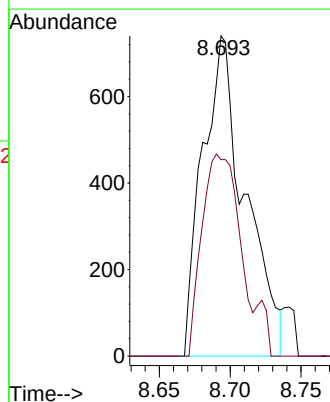
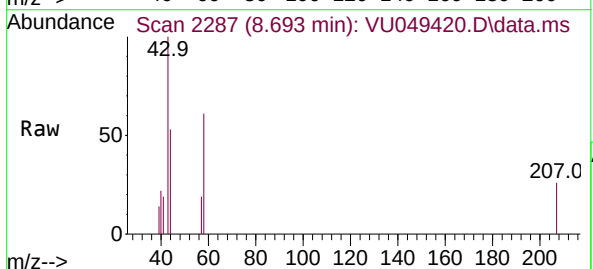
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL02

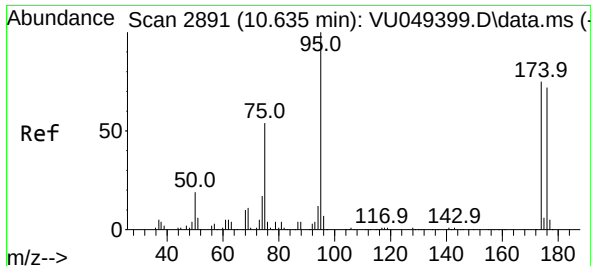
Tgt Ion: 98 Resp: 598045
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#59
2-Hexanone
Concen: 0.288 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
58 55.1 30.3 90.8

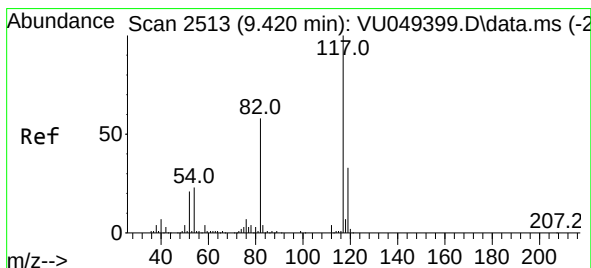
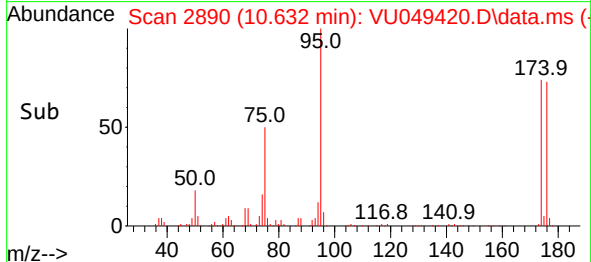
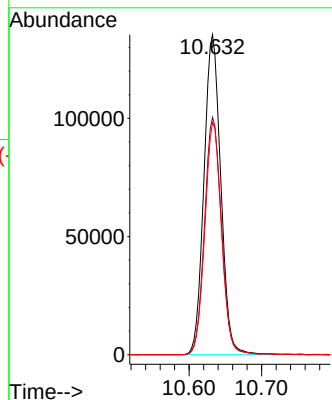
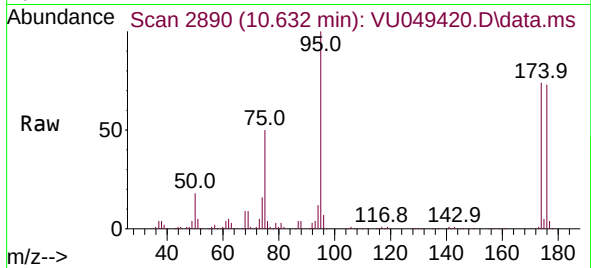




#62
4-Bromofluorobenzene
Concen: 45.464 ug/l
RT: 10.632 min Scan# 218319
Delta R.T. -0.003 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

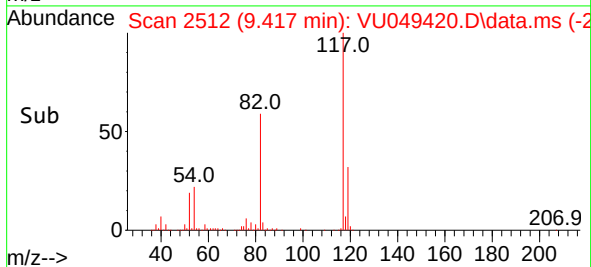
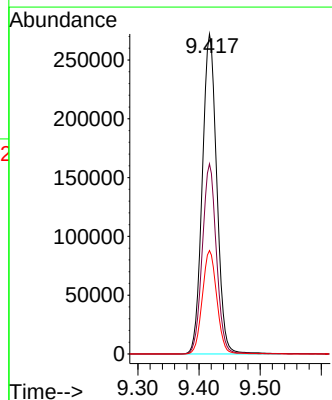
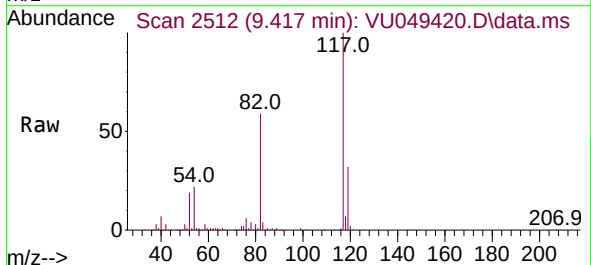
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL02

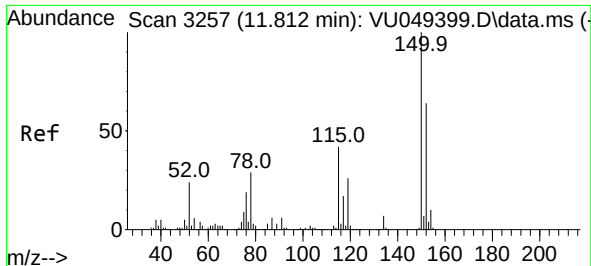
Tgt Ion: 95 Resp: 218319
Ion Ratio Lower Upper
95 100
174 74.5 0.0 182.0
176 72.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Tgt Ion: 117 Resp: 447442
Ion Ratio Lower Upper
117 100
82 59.4 41.7 62.5
119 32.3 25.7 38.5

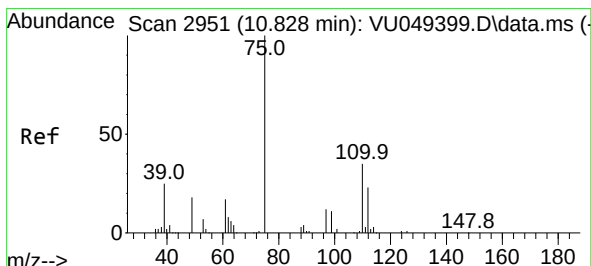
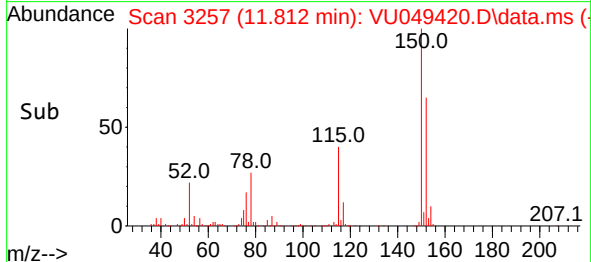
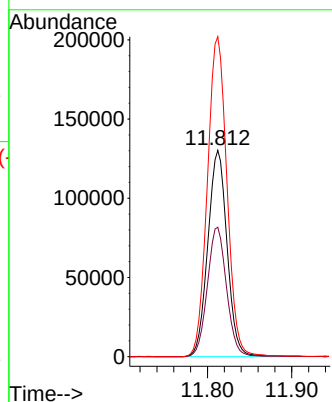
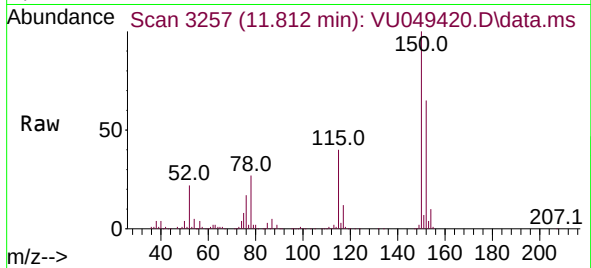




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049420.D
 Acq: 27 Jun 2022 22:45

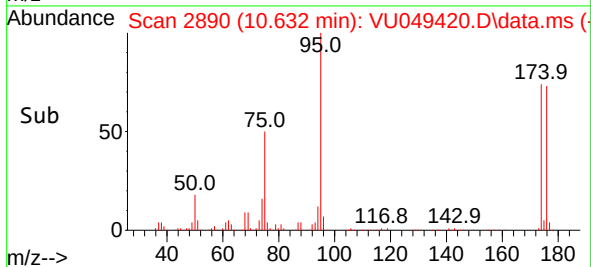
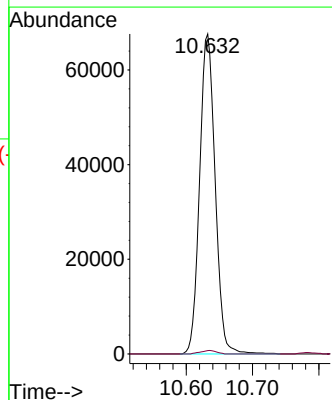
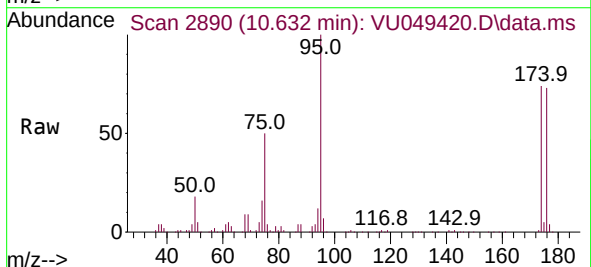
Instrument :
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 ClientSampleId :
 VU0627MBL02

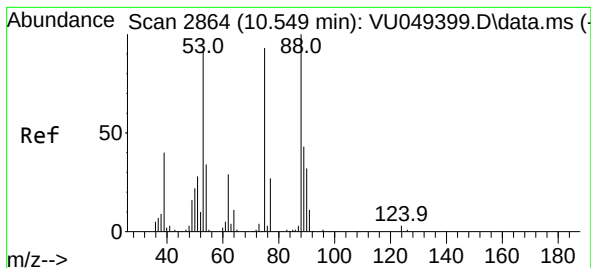
Tgt Ion:152 Resp: 207041
 Ion Ratio Lower Upper
 152 100
 115 62.6 37.0 110.9
 150 157.6 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.680 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049420.D
 Acq: 27 Jun 2022 22:45

Tgt Ion: 75 Resp: 110053
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

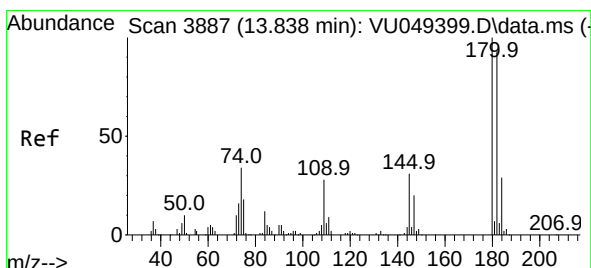
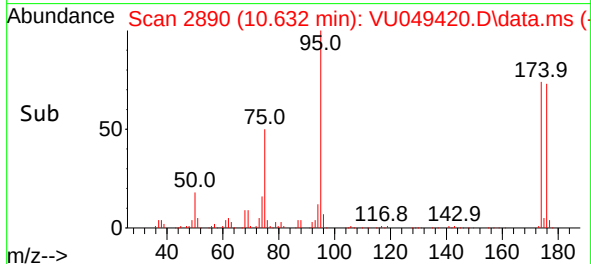
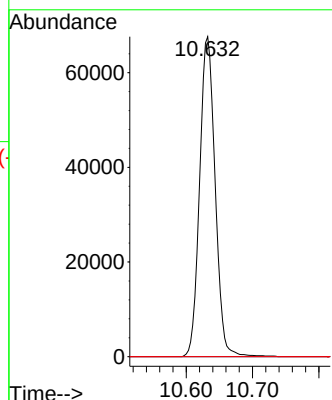
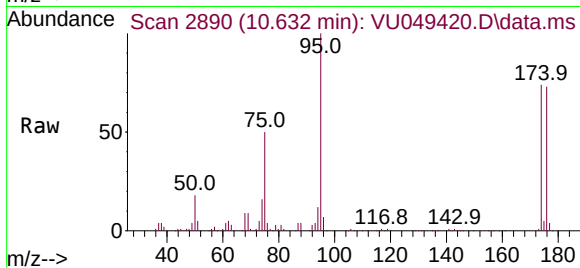




#81
trans-1,4-Dichloro-2-butene
Concen: 57.906 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

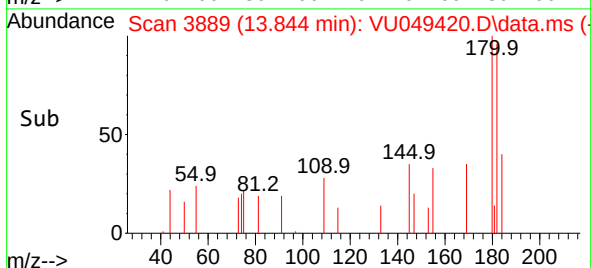
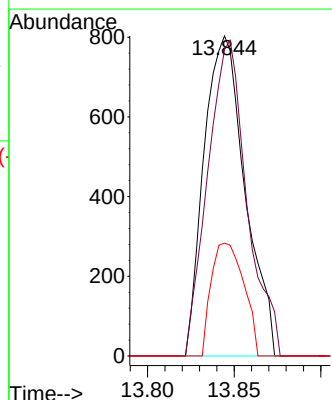
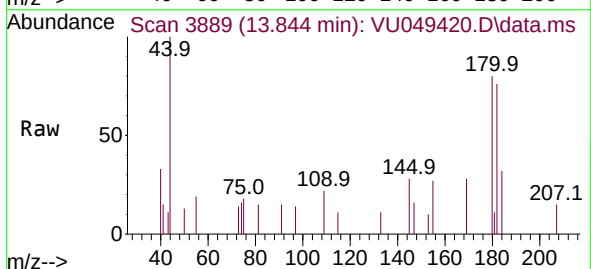
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL02

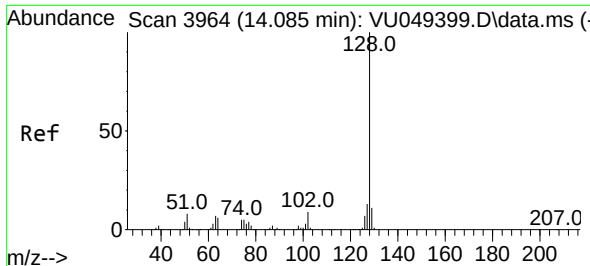
Tgt Ion: 75 Resp: 11053
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.029 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Tgt Ion:180 Resp: 1325
Ion Ratio Lower Upper
180 100
182 94.1 47.9 143.6
145 27.8 14.0 41.9

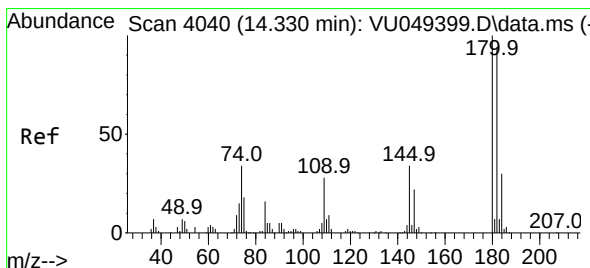
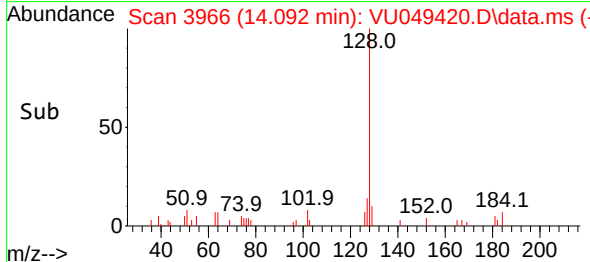
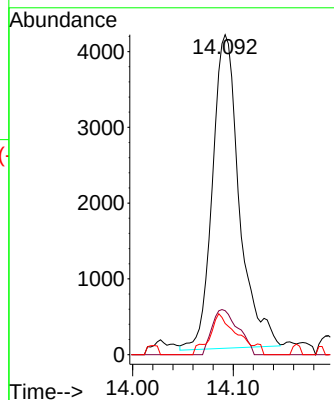
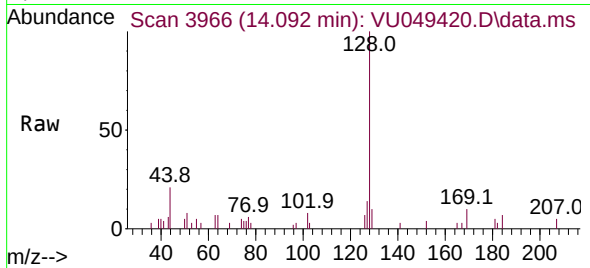




#95
Naphthalene
Concen: 2.193 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL02

Tgt Ion:128	Resp:	7680
Ion Ratio	Lower	Upper
128	100	
127	14.0	10.3 15.5
129	13.5	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.474 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049420.D
Acq: 27 Jun 2022 22:45

Tgt Ion:180	Resp:	1450
Ion Ratio	Lower	Upper
180	100	
182	99.8	48.4 145.0
145	39.3	14.8 44.4

