

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049524.D
 Acq On : 29 Jun 2022 19:29
 Operator : SY/MD
 Sample : N3457-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 00:50:07 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)

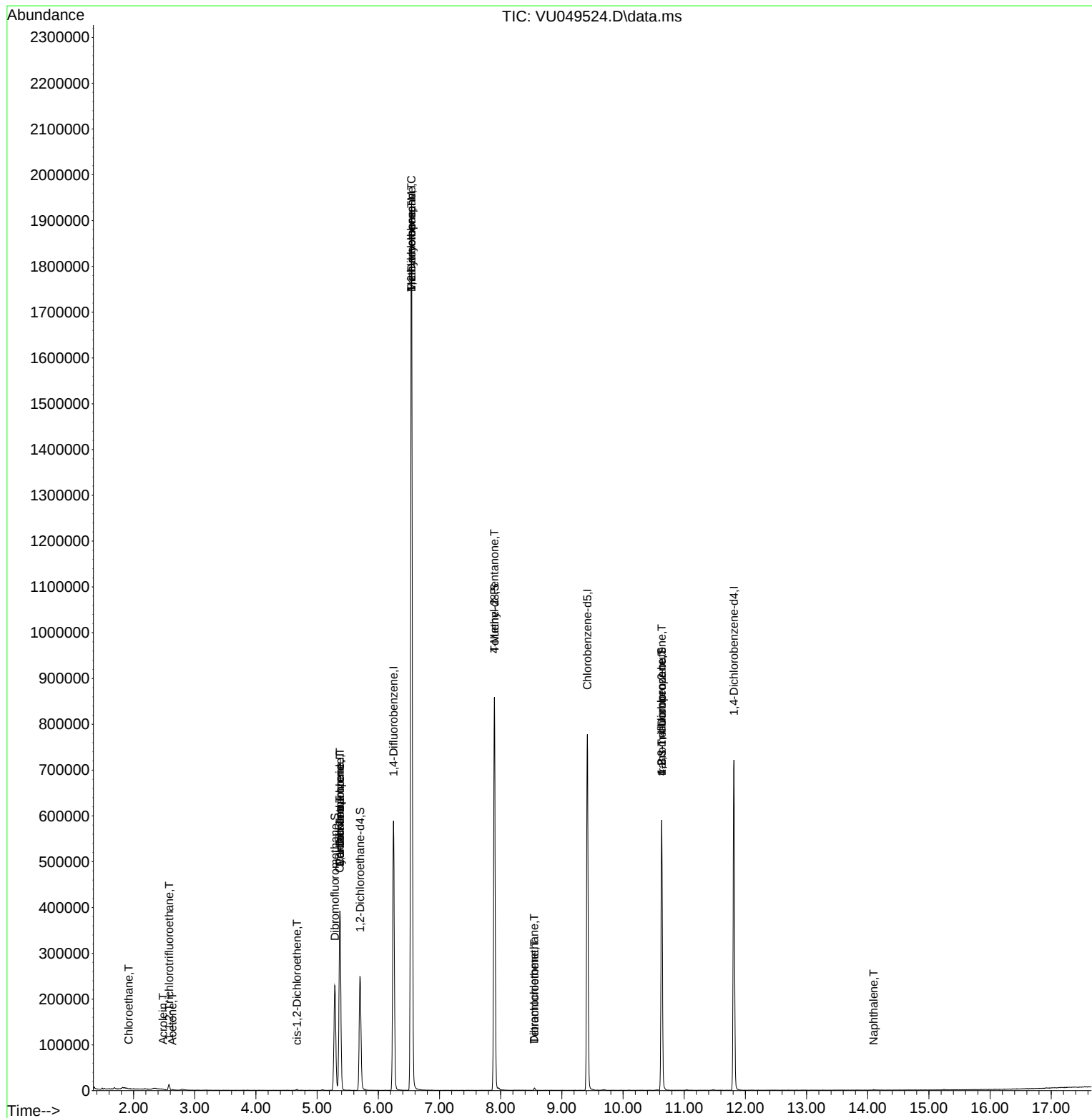
Internal Standards						
1) Pentafluorobenzene	5.372	168	269564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	474264	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	427798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	189686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	186373	44.893	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.780%
35) Dibromofluoromethane	5.289	113	150144	45.250	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.500%
50) Toluene-d8	7.899	98	569878	48.153	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.300%
62) 4-Bromofluorobenzene	10.632	95	201403	44.426	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.860%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1560	Below Cal		96
6) Chloroethane	1.919	64	170	1.997 ug/l	#	44
9) 1,1,2-Trichlorotrifluo...	2.581	101	4550	1.522 ug/l		97
13) Acrolein	2.482	56	139	0.211 ug/l	#	74
16) Acetone	2.636	43	1649	0.788 ug/l		88
20) Methylene Chloride	3.041	84	124	Below Cal	#	60
27) cis-1,2-Dichloroethene	4.671	96	1063	0.292 ug/l		92
31) Cyclohexane	5.369	56	5828	0.935 ug/l	#	14
36) 1,1-Dichloropropene	5.372	75	22160	4.606 ug/l	#	49
38) Carbon Tetrachloride	5.372	117	27276	5.406 ug/l	#	16
39) Methylcyclohexane	6.543	83	7740	1.342 ug/l	#	1
44) Trichloroethene	6.543	130	644421	186.624 ug/l		87
45) 1,2-Dichloropropane	6.543	63	2084	0.518 ug/l	#	1
51) 4-Methyl-2-Pentanone	7.896	43	2482	0.385 ug/l	#	1
60) Dibromochloromethane	8.549	129	1089	0.293 ug/l	#	11
64) Tetrachloroethene	8.552	164	1271	0.463 ug/l		91
76) 1,2,3-Trichloropropane	10.632	75	101713	15.818 ug/l	#	46
81) trans-1,4-Dichloro-2-b...	10.632	75	101713	58.414 ug/l	#	15
95) Naphthalene	14.095	128	1757	1.850 ug/l	#	71

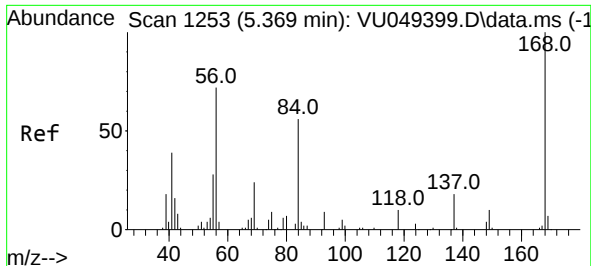
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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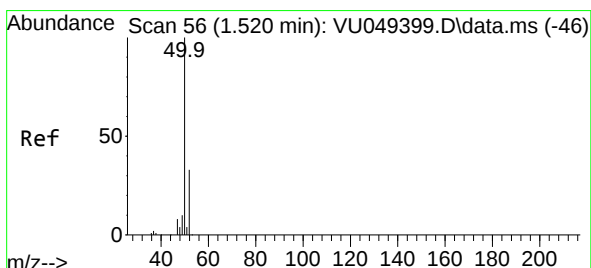
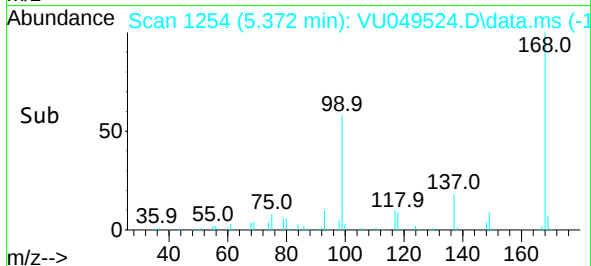
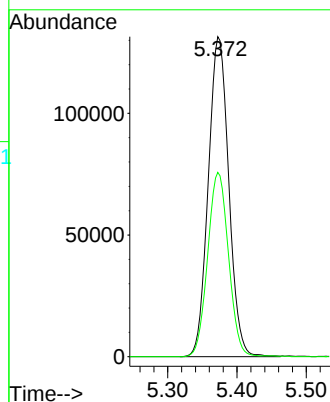
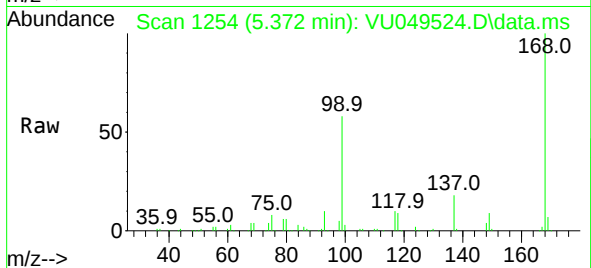




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

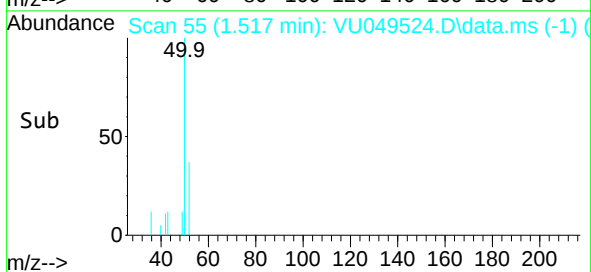
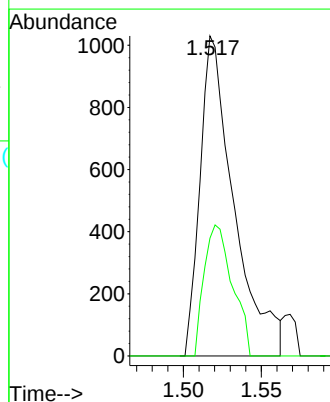
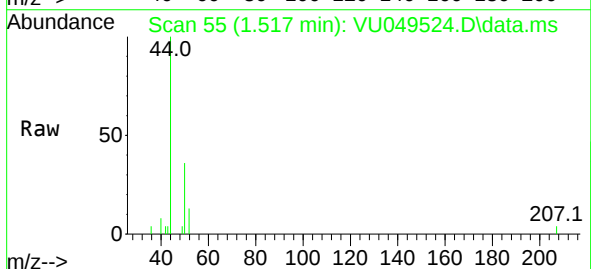
Instrument :
MSVOA_U
ClientSampleId :

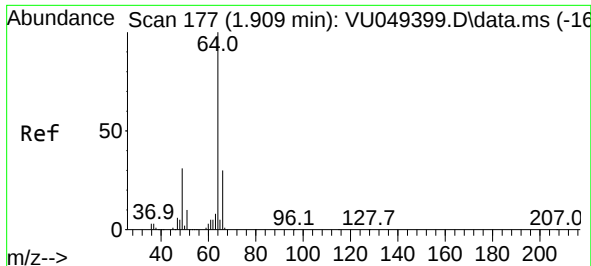
Tgt Ion:168 Resp: 269564
Ion Ratio Lower Upper
168 100
99 57.6 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

Tgt Ion: 50 Resp: 1560
Ion Ratio Lower Upper
50 100
52 36.8 27.4 41.2

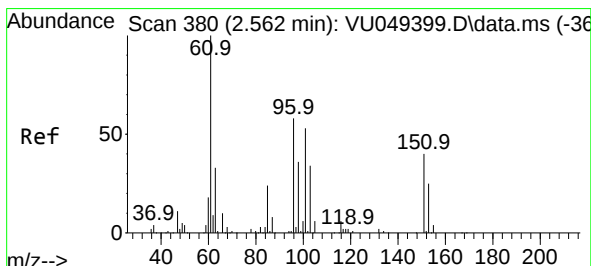
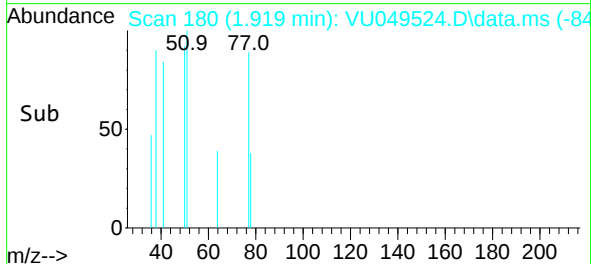
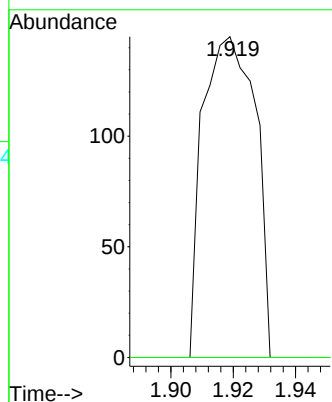
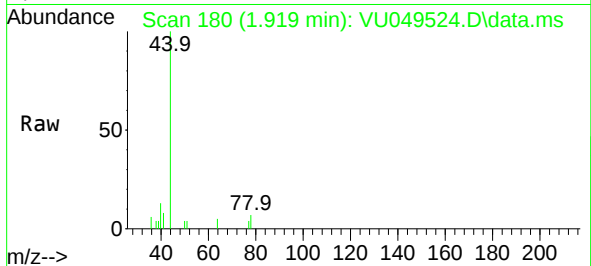




#6
Chloroethane
Concen: 1.997 ug/l
RT: 1.919 min Scan# 177
Delta R.T. 0.010 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

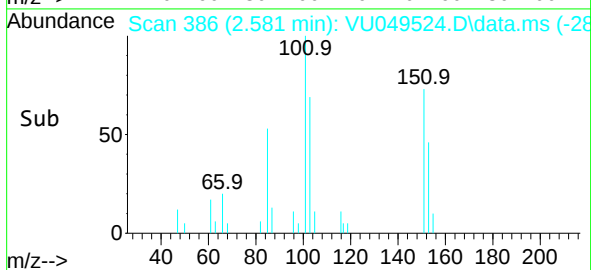
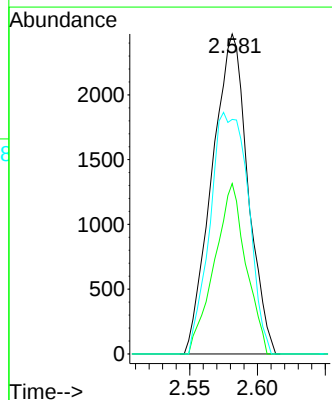
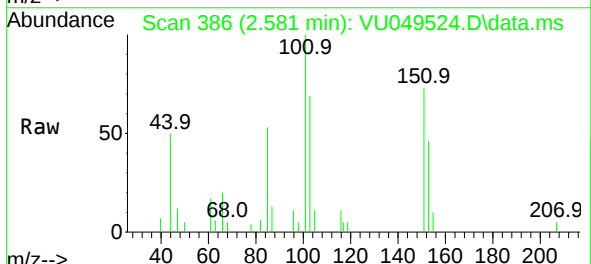
Instrument :
MSVOA_U
ClientSampleId :

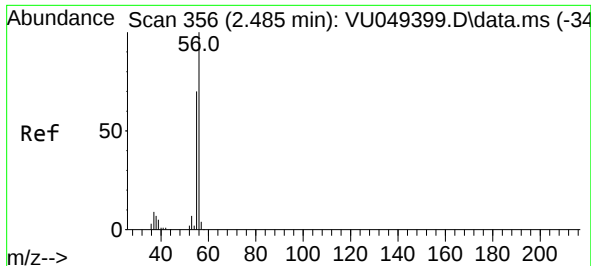
Tgt Ion: 64 Resp: 170
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.522 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

Tgt Ion:101 Resp: 4550
Ion Ratio Lower Upper
101 100
85 46.8 33.9 50.9
151 80.7 64.0 96.0





#13

Acrolein

Concen: 0.211 ug/l

RT: 2.482 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU049524.D

Acq: 29 Jun 2022 19:29

Instrument :

MSVOA_U

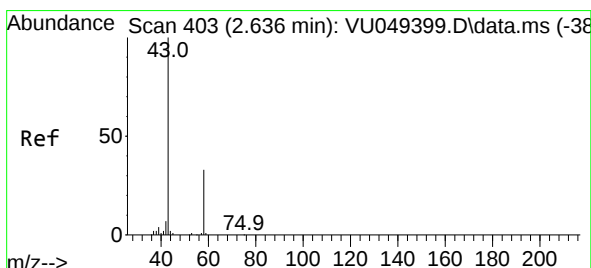
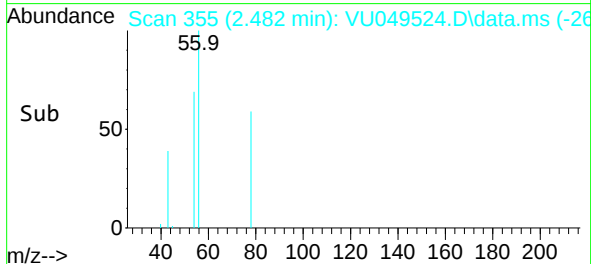
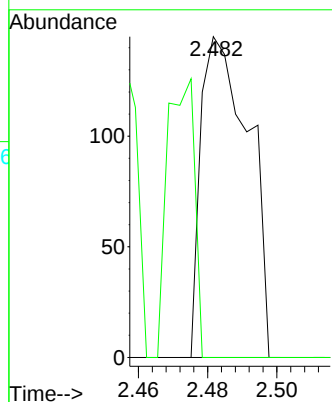
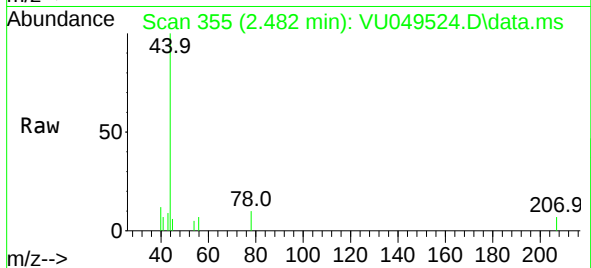
ClientSampleId :

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 49.6 56.6 85.0#



#16

Acetone

Concen: 0.788 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049524.D

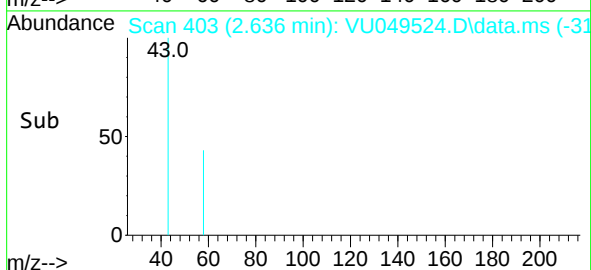
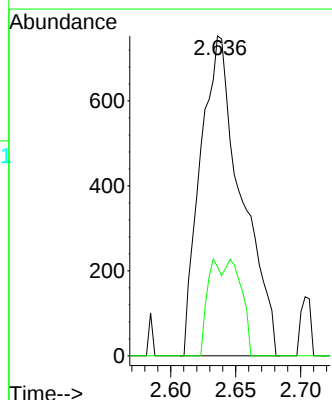
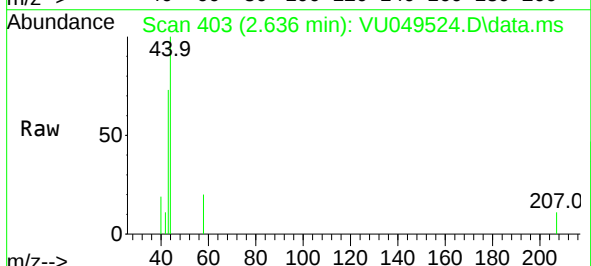
Acq: 29 Jun 2022 19:29

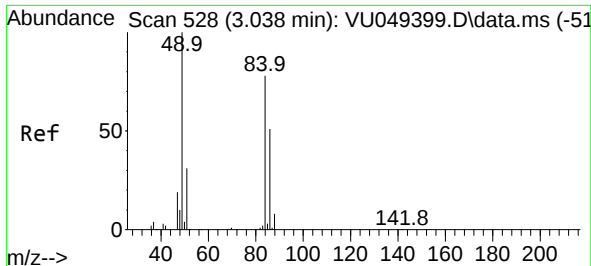
Tgt Ion: 43 Resp: 1649

Ion Ratio Lower Upper

43 100

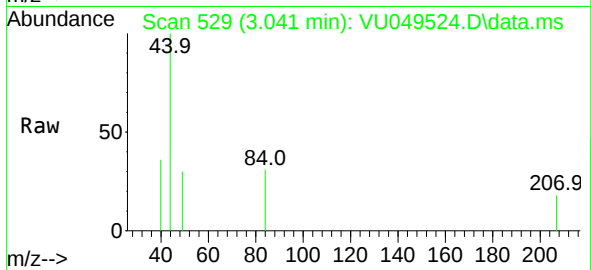
58 27.8 27.5 41.3



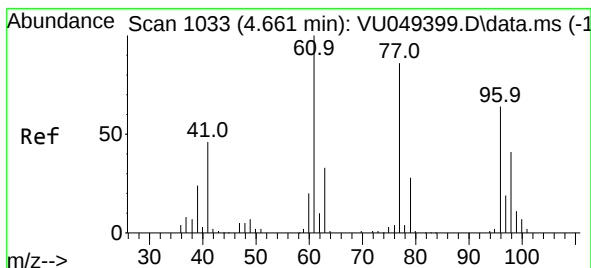
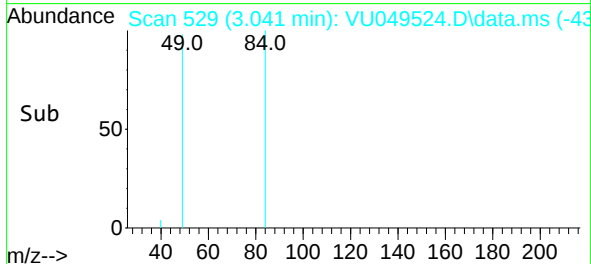
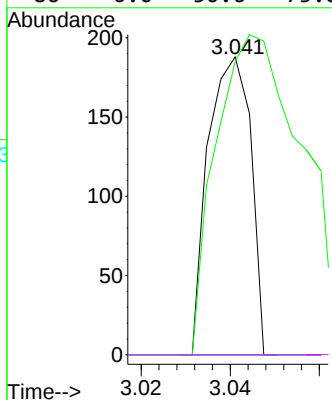


#20
Methylene Chloride
Concen: Below Cal
RT: 3.041 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

Instrument :
MSVOA_U
ClientSampleId :

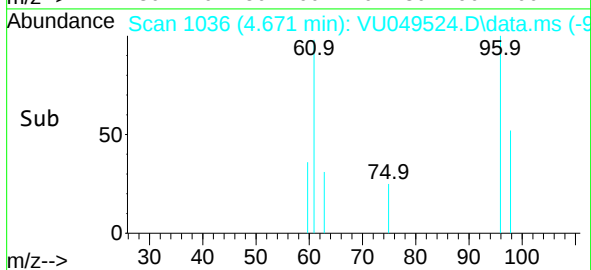
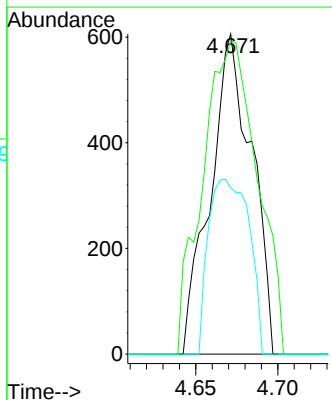
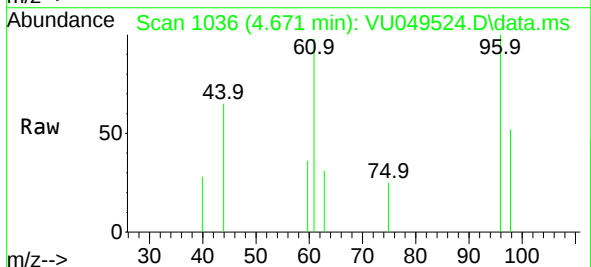


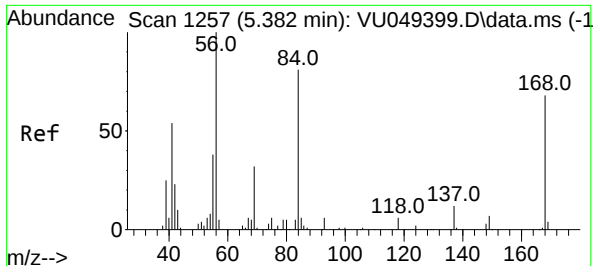
Tgt Ion: 84 Resp: 124
Ion Ratio Lower Upper
84 100
49 98.4 86.6 129.8
51 0.0 26.6 40.0#
86 0.0 50.6 75.8#



#27
cis-1,2-Dichloroethene
Concen: 0.292 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.010 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

Tgt Ion: 96 Resp: 1063
Ion Ratio Lower Upper
96 100
61 129.1 0.0 271.6
98 53.6 0.0 128.2





#31

Cyclohexane

Concen: 0.935 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.013 min

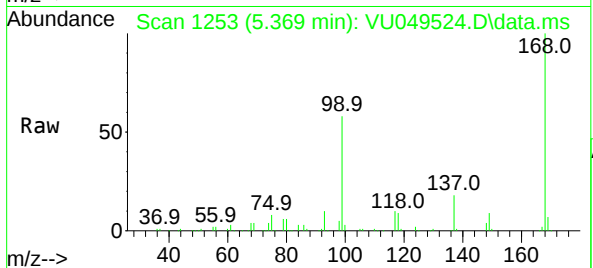
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Instrument :

MSVOA_U

ClientSampleId :



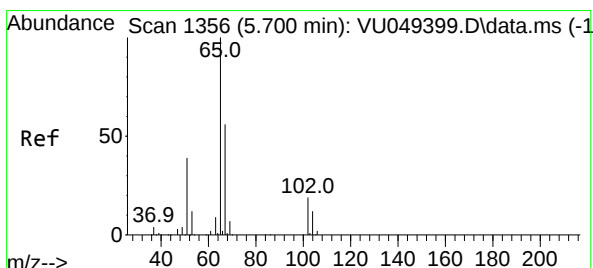
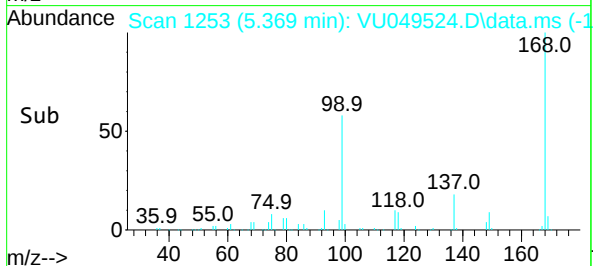
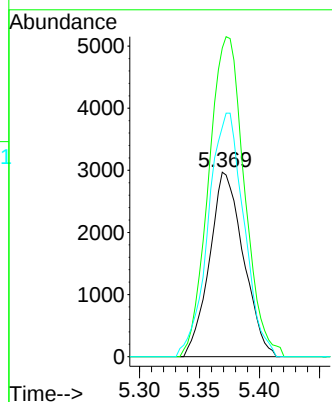
Tgt Ion: 56 Resp: 5828

Ion Ratio Lower Upper

56 100

69 167.4 27.8 41.8#

84 124.4 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 44.893 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU049524.D

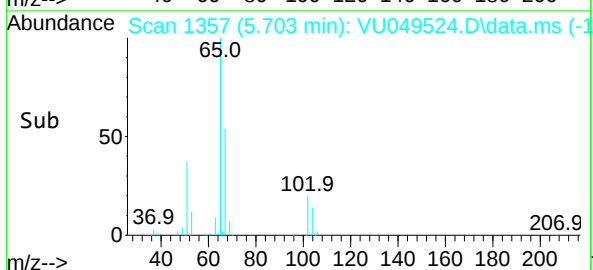
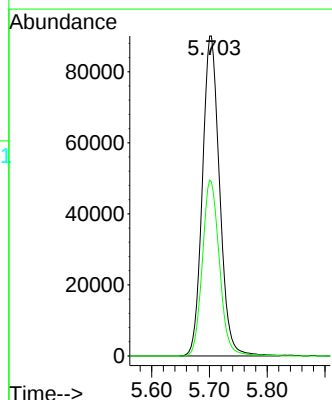
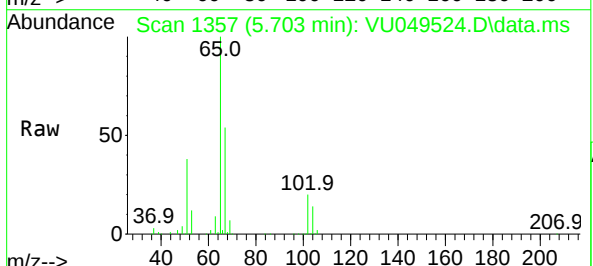
Acq: 29 Jun 2022 19:29

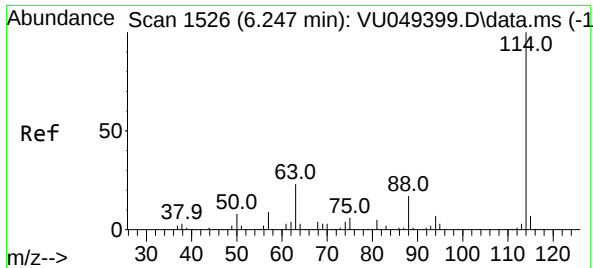
Tgt Ion: 65 Resp: 186373

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049524.D

Acq: 29 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

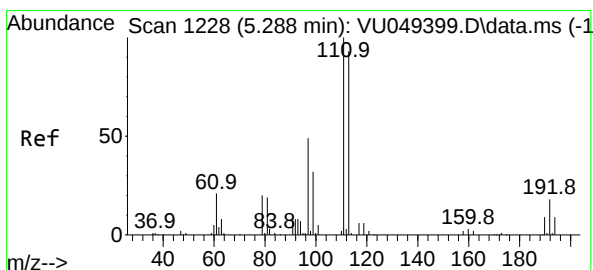
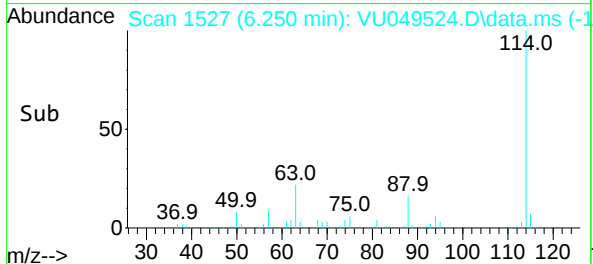
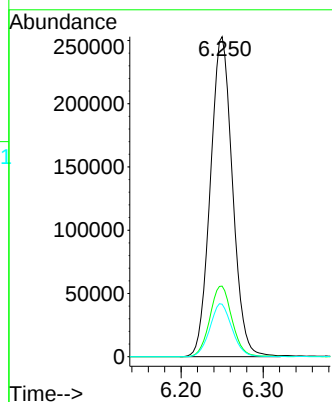
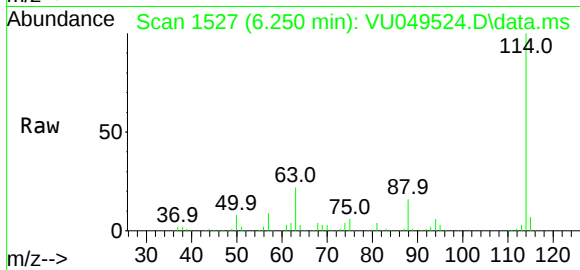
Tgt Ion:114 Resp: 474264

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 16.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.250 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049524.D

Acq: 29 Jun 2022 19:29

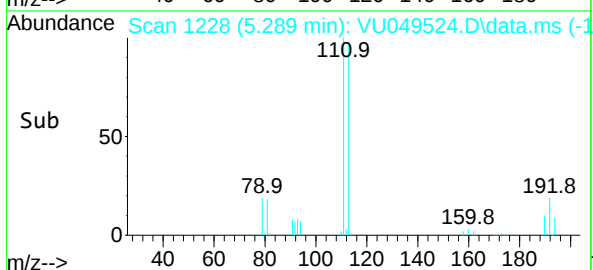
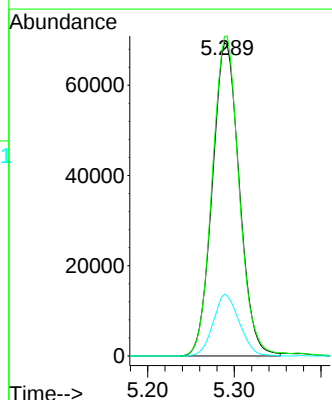
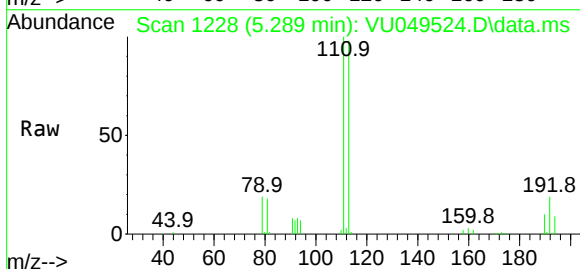
Tgt Ion:113 Resp: 150144

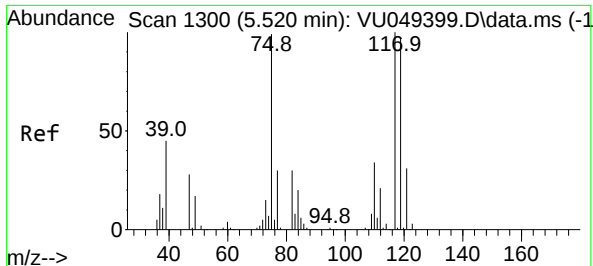
Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

192 19.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.606 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

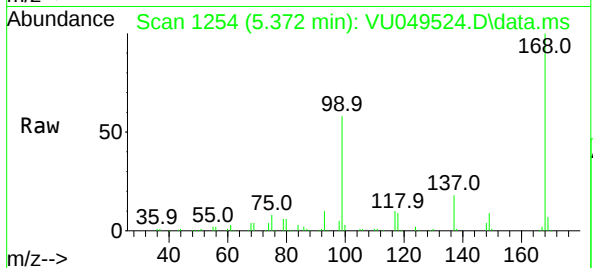
Lab File: VU049524.D

Acq: 29 Jun 2022 19:29

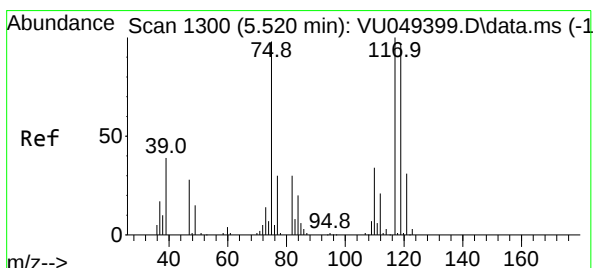
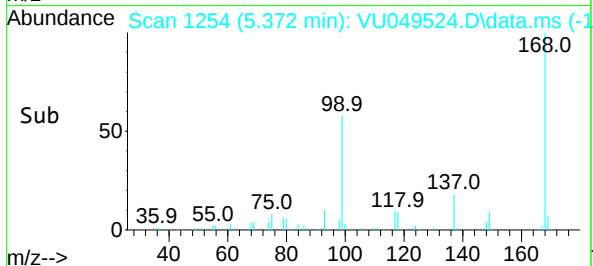
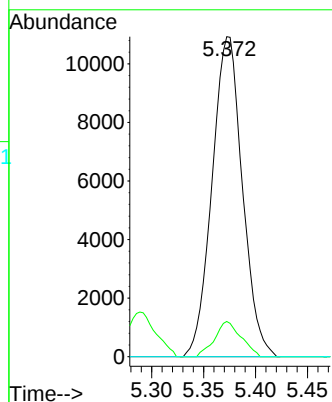
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	75	Resp:	22160
Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.4	55.2#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.406 ug/l

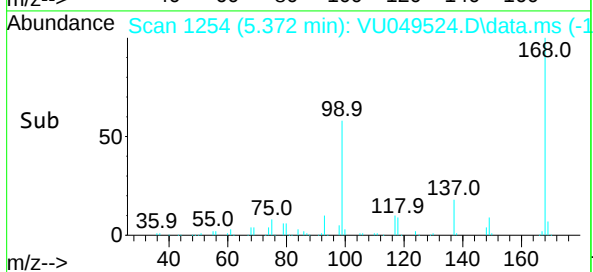
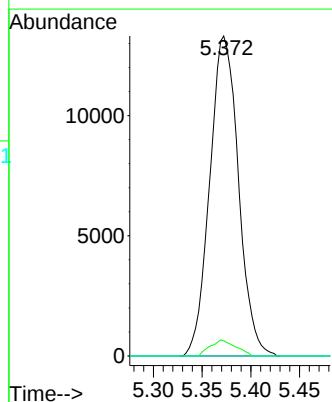
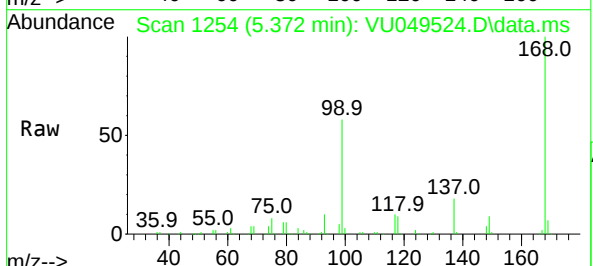
RT: 5.372 min Scan# 1254

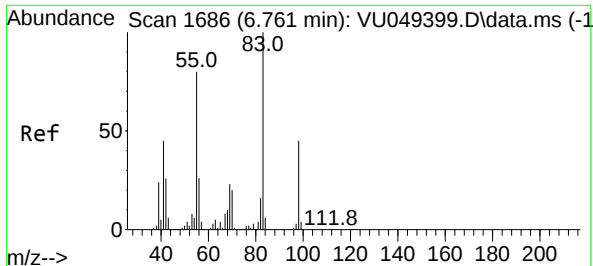
Delta R.T. -0.148 min

Lab File: VU049524.D

Acq: 29 Jun 2022 19:29

Tgt Ion:	117	Resp:	27276
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.8	115.2#
121	0.0	24.7	37.1#





#39

Methylcyclohexane

Concen: 1.342 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. -0.218 min

Lab File: VU049524.D

Acq: 29 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

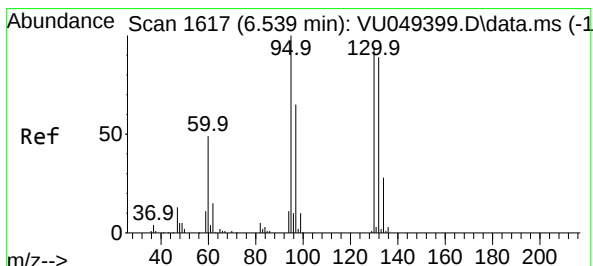
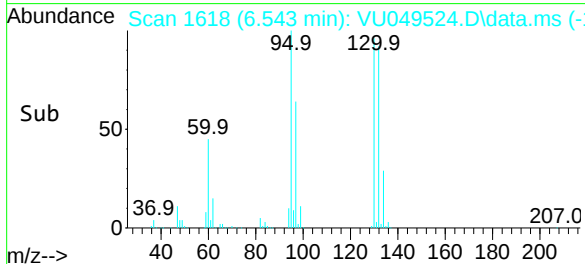
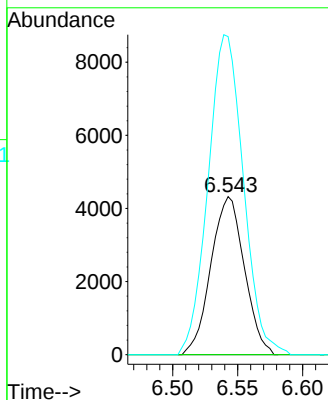
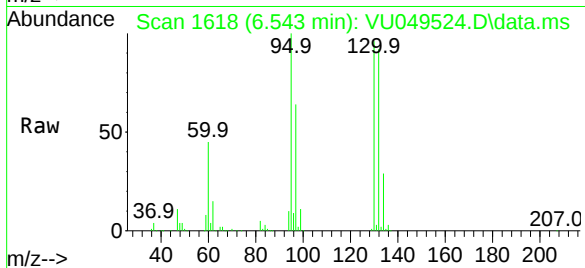
Tgt Ion: 83 Resp: 7740

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 197.5 37.3 55.9#



#44

Trichloroethene

Concen: 186.624 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049524.D

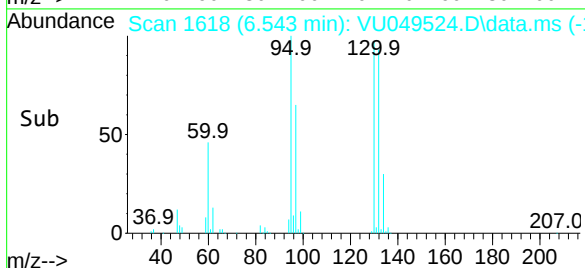
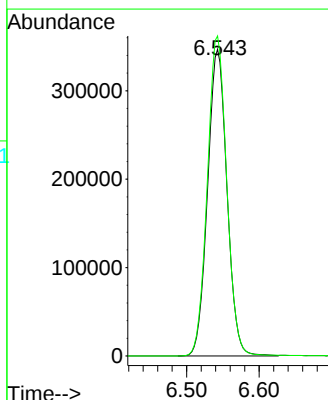
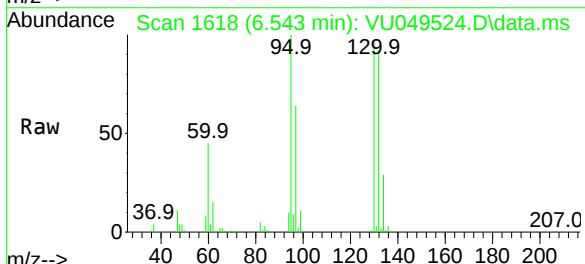
Acq: 29 Jun 2022 19:29

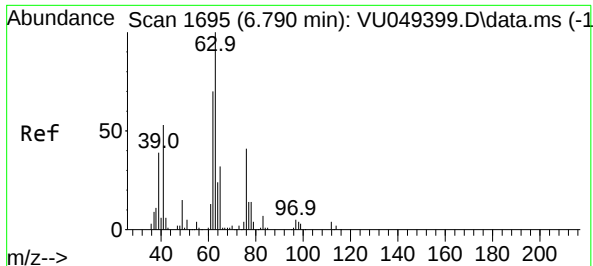
Tgt Ion:130 Resp: 644421

Ion Ratio Lower Upper

130 100

95 104.4 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.518 ug/l

RT: 6.543 min Scan# 1

Delta R.T. -0.247 min

Lab File: VU049524.D

Acq: 29 Jun 2022 19:29

Instrument :

MSVOA_U

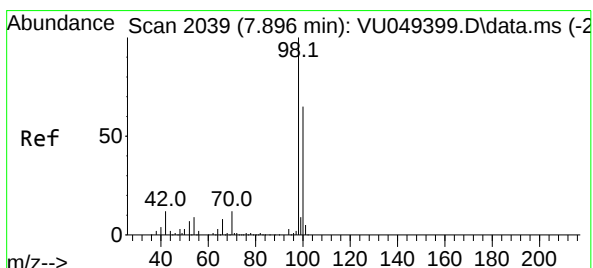
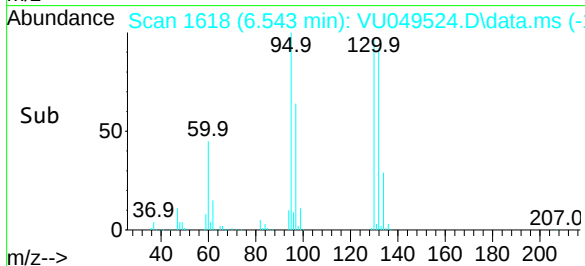
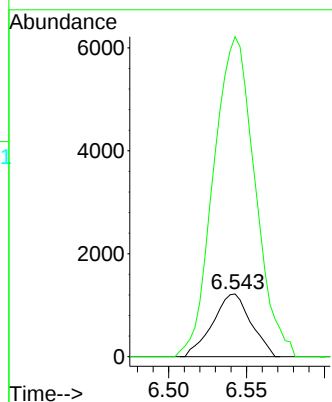
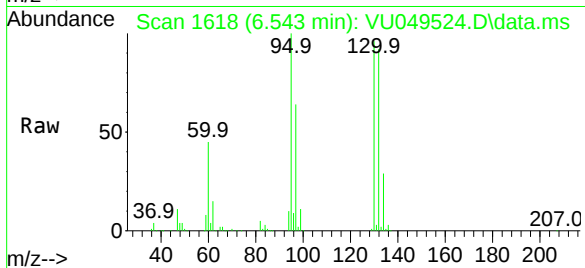
ClientSampleId :

Tgt Ion: 63 Resp: 2084

Ion Ratio Lower Upper

63 100

65 501.1 25.0 37.4#



#50

Toluene-d8

Concen: 48.153 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.003 min

Lab File: VU049524.D

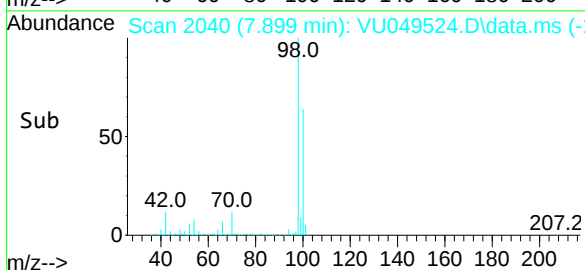
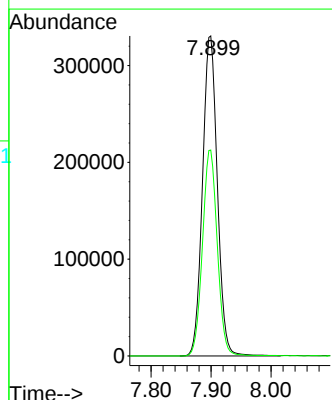
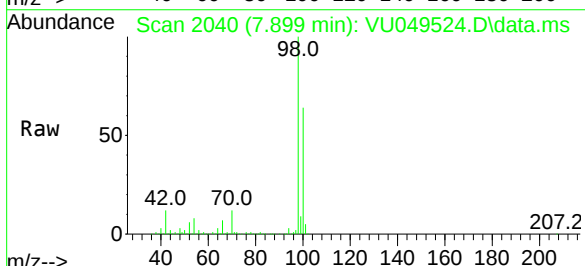
Acq: 29 Jun 2022 19:29

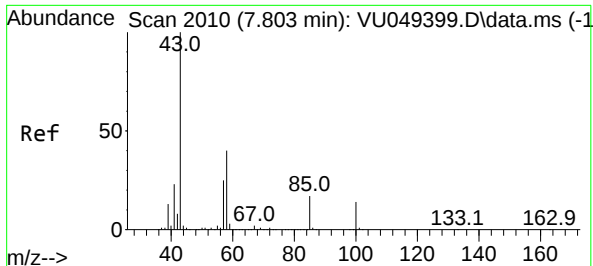
Tgt Ion: 98 Resp: 569878

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.385 ug/l

RT: 7.896 min Scan# 2010

Delta R.T. 0.093 min

Lab File: VU049524.D

Acq: 29 Jun 2022 19:29

Instrument :

MSVOA_U

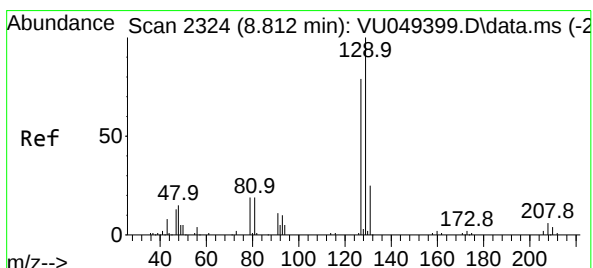
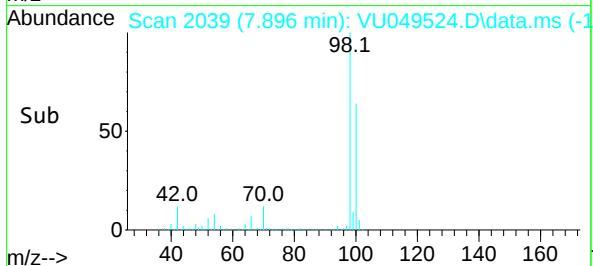
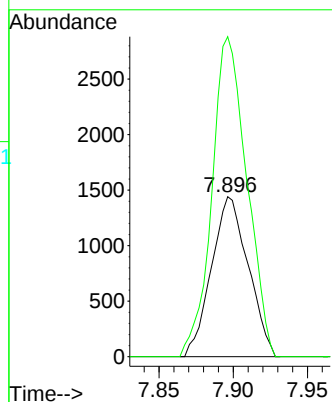
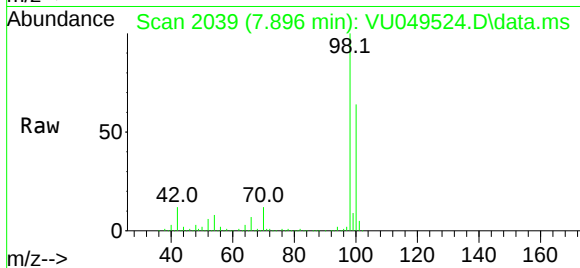
ClientSampleId :

Tgt Ion: 43 Resp: 2482

Ion Ratio Lower Upper

43 100

58 189.8 34.7 52.1#



#60

Dibromochloromethane

Concen: 0.293 ug/l

RT: 8.549 min Scan# 2242

Delta R.T. -0.263 min

Lab File: VU049524.D

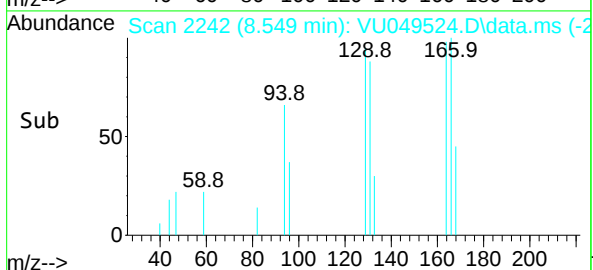
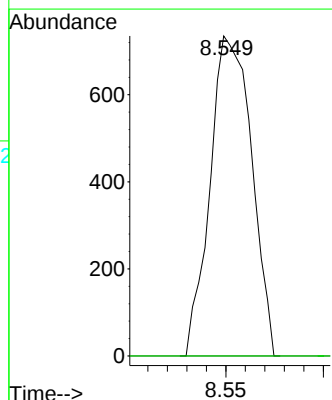
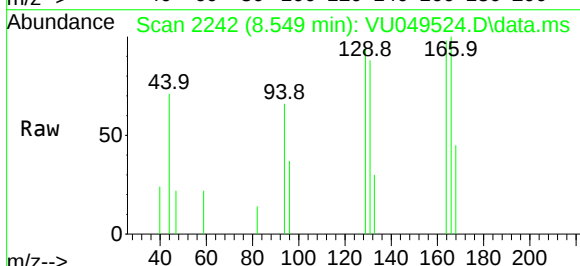
Acq: 29 Jun 2022 19:29

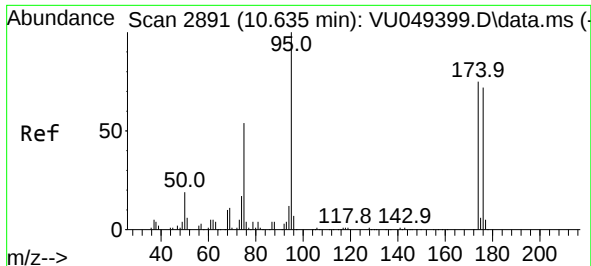
Tgt Ion: 129 Resp: 1089

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

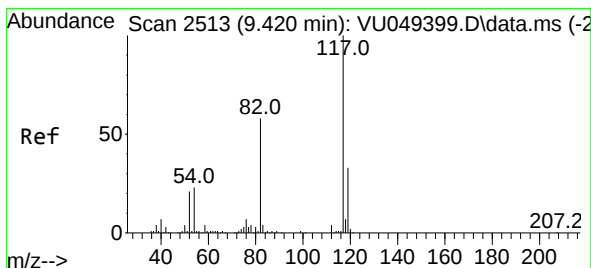
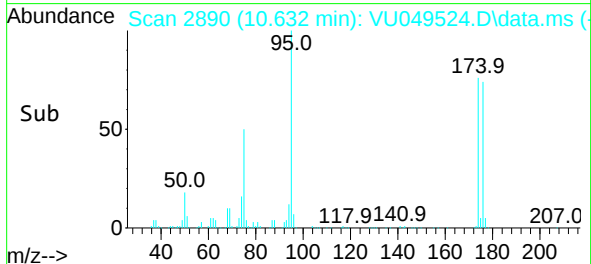
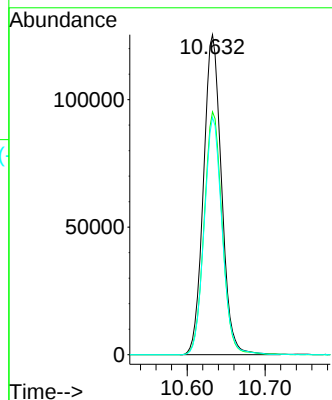
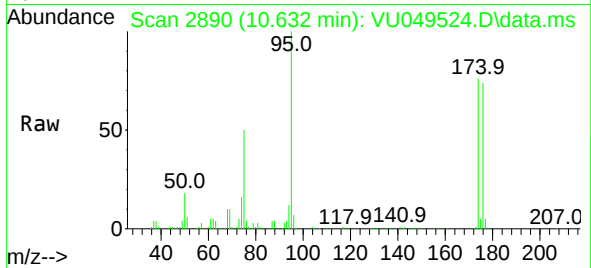




#62
4-Bromofluorobenzene
Concen: 44.426 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

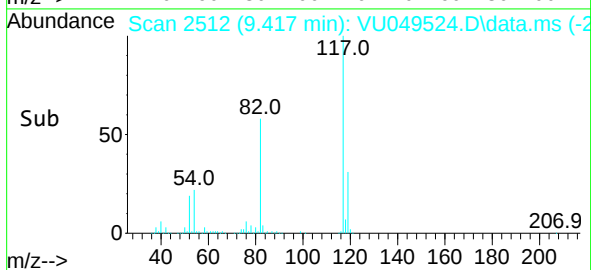
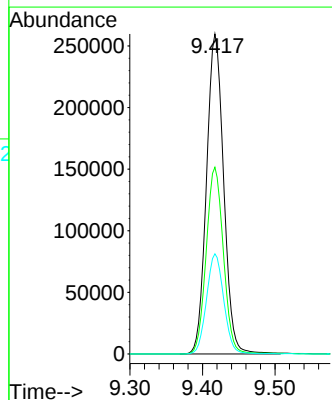
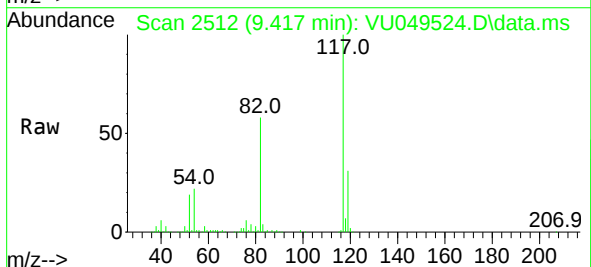
Instrument :
MSVOA_U
ClientSampleId :

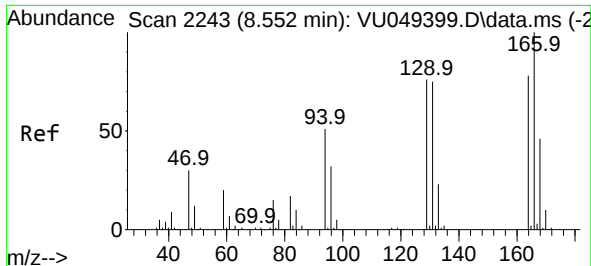
Tgt Ion: 95 Resp: 201403
Ion Ratio Lower Upper
95 100
174 76.0 0.0 182.0
176 73.9 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

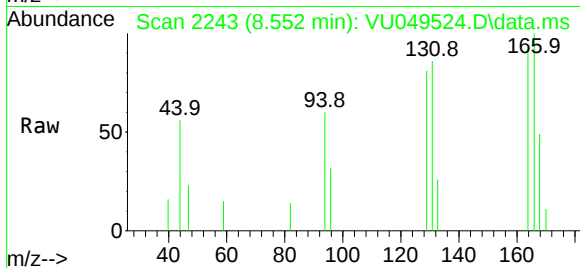
Tgt Ion: 117 Resp: 427798
Ion Ratio Lower Upper
117 100
82 58.4 41.7 62.5
119 31.3 25.7 38.5



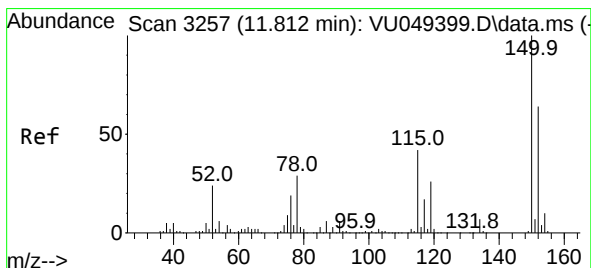
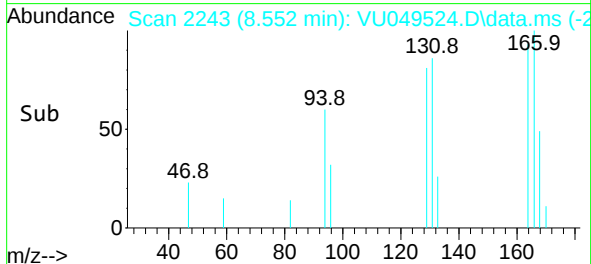
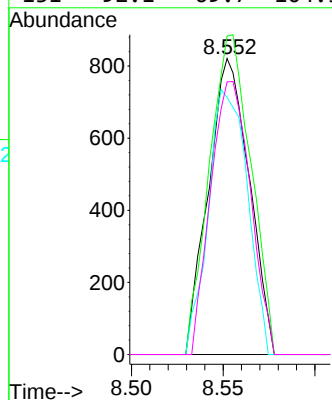


#64
Tetrachloroethene
Concen: 0.463 ug/l
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

Instrument :
MSVOA_U
ClientSampleId :

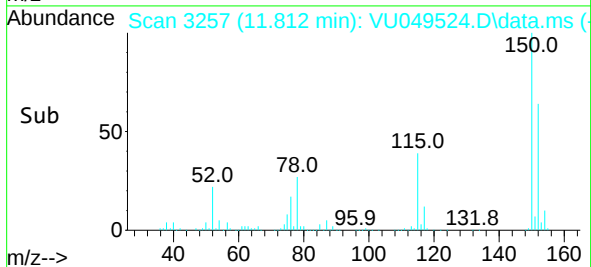
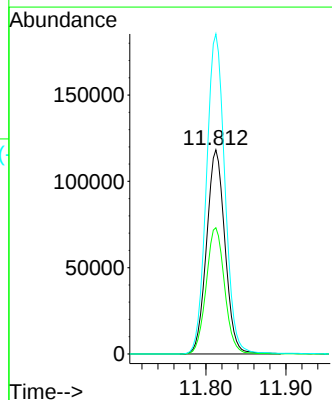
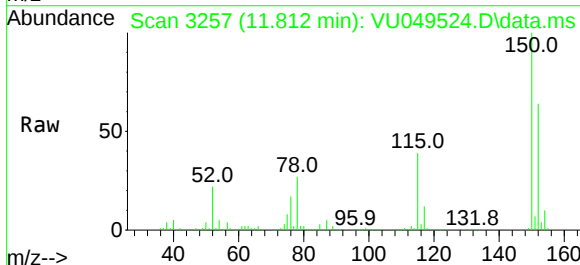


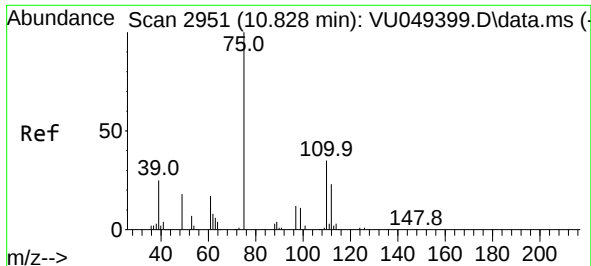
Tgt Ion:164 Resp: 1271
Ion Ratio Lower Upper
164 100
166 107.6 100.0 150.0
129 86.8 72.0 108.0
131 92.1 69.7 104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

Tgt Ion:152 Resp: 189686
Ion Ratio Lower Upper
152 100
115 61.8 37.0 110.9
150 157.2 0.0 342.2

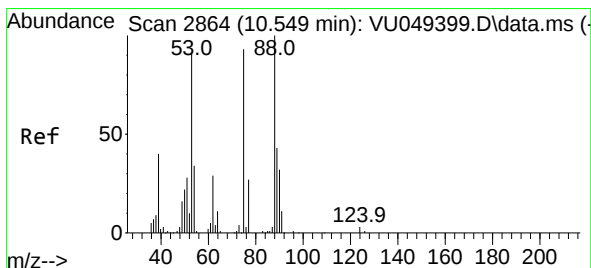
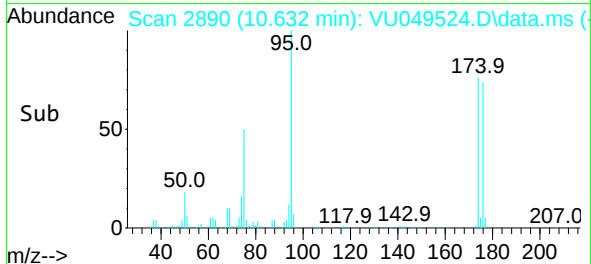
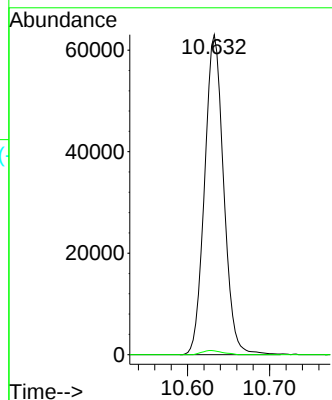
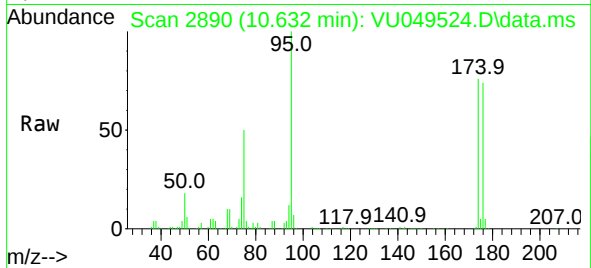




#76
1,2,3-Trichloropropane
Concen: 15.818 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

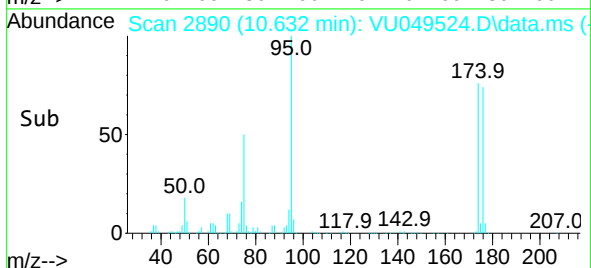
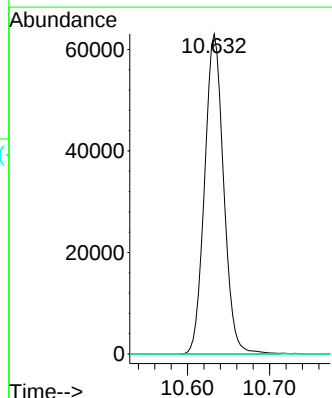
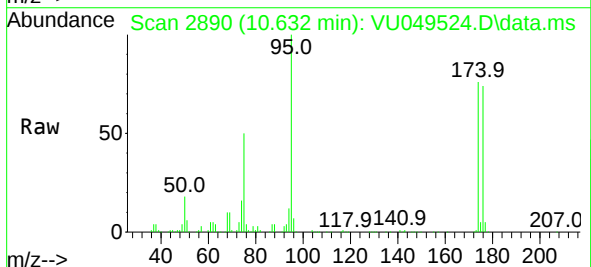
Instrument :
MSVOA_U
ClientSampleId :

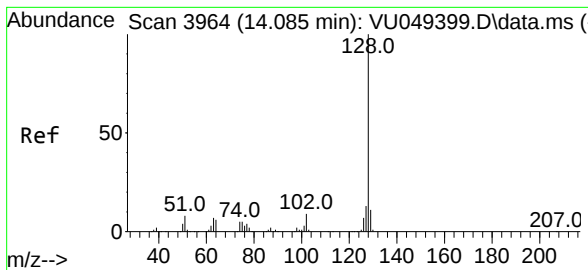
Tgt Ion: 75 Resp: 101713
Ion Ratio Lower Upper
75 100
77 1.4 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.414 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

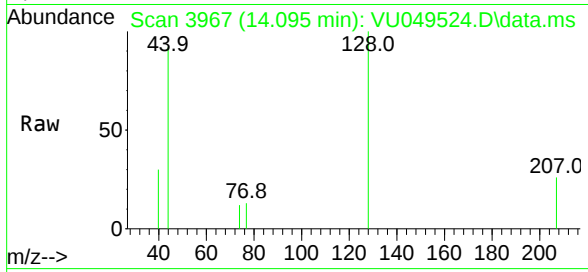
Tgt Ion: 75 Resp: 101713
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 1.850 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU049524.D
Acq: 29 Jun 2022 19:29

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	1757
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	1.1	8.6	13.0#

