

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049549.D
 Acq On : 30 Jun 2022 06:39
 Operator : SY/MD
 Sample : N3476-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 52422

Quant Time: Jun 30 09:14:28 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	241159	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	431399	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	401684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	201204	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	171519	46.182	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.360%
35) Dibromofluoromethane	5.289	113	135146	44.777	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.560%
50) Toluene-d8	7.896	98	527241	48.977	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.960%
62) 4-Bromofluorobenzene	10.632	95	201378	48.834	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.660%

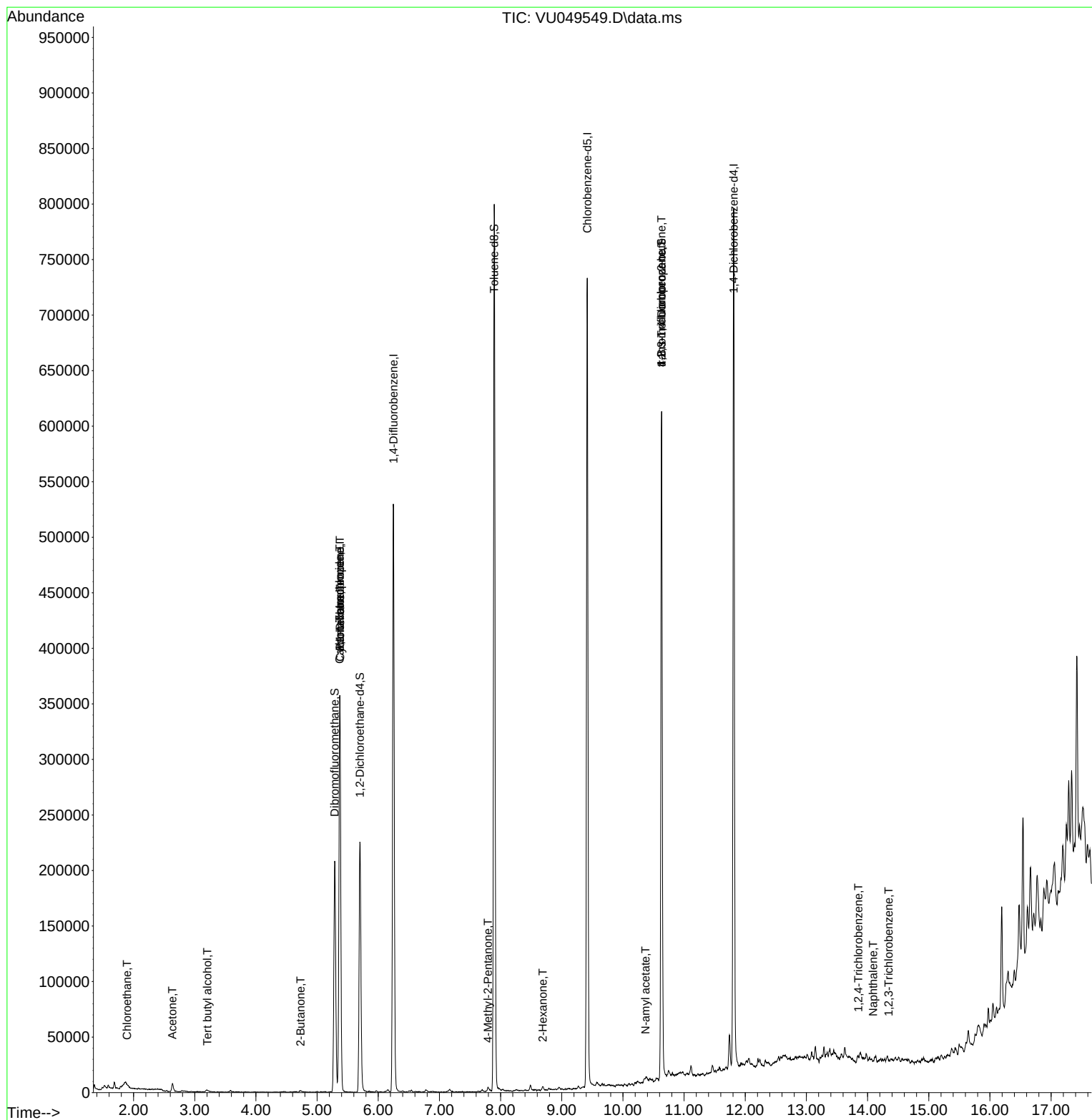
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	1815	Below Cal	#	84
6) Chloroethane	1.893	64	95	1.966	ug/l	# 44
11) Tert butyl alcohol	3.208	59	3106	3.573	ug/l	# 45
16) Acetone	2.636	43	10497	5.605	ug/l	92
20) Methylene Chloride	3.038	84	134	Below Cal	#	50
25) 2-Butanone	4.729	43	2313	0.824	ug/l	# 81
31) Cyclohexane	5.375	56	4946	0.887	ug/l	# 1
36) 1,1-Dichloropropene	5.372	75	21041	4.808	ug/l	# 48
38) Carbon Tetrachloride	5.369	117	25241	5.500	ug/l	# 15
51) 4-Methyl-2-Pentanone	7.793	43	3289	0.561	ug/l	# 77
59) 2-Hexanone	8.690	43	1287	0.279	ug/l	93
74) N-amyl acetate	10.369	43	1840	0.243	ug/l	# 61
76) 1,2,3-Trichloropropane	10.632	75	101760	14.919	ug/l	# 46
81) trans-1,4-Dichloro-2-b...	10.632	75	101760	55.096	ug/l	# 15
93) 1,2,4-Trichlorobenzene	13.848	180	74	1.770	ug/l	# 1
95) Naphthalene	14.092	128	769	1.783	ug/l	# 87
96) 1,2,3-Trichlorobenzene	14.343	180	64	1.191	ug/l	# 1

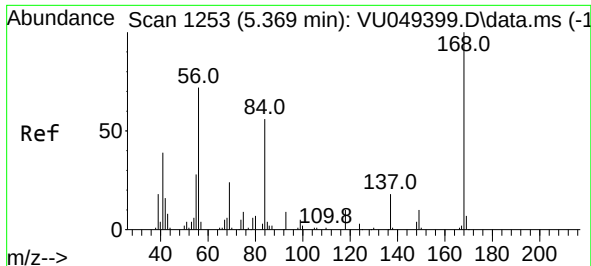
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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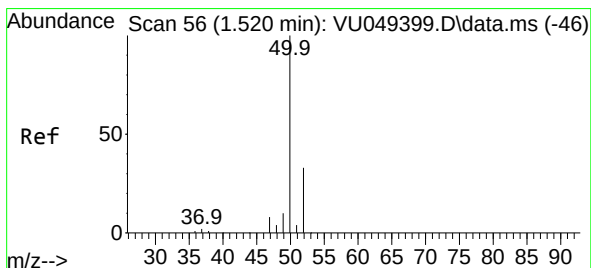
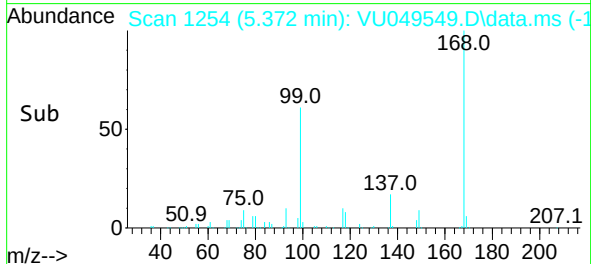
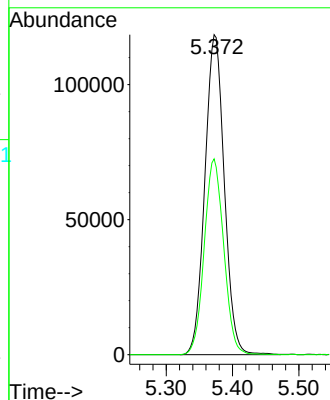
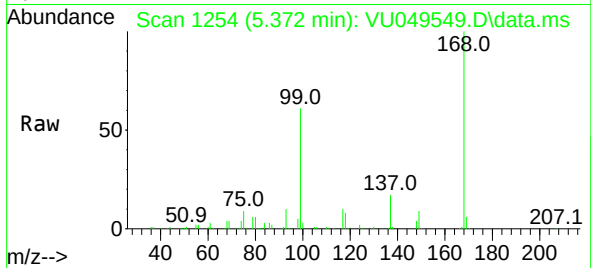




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

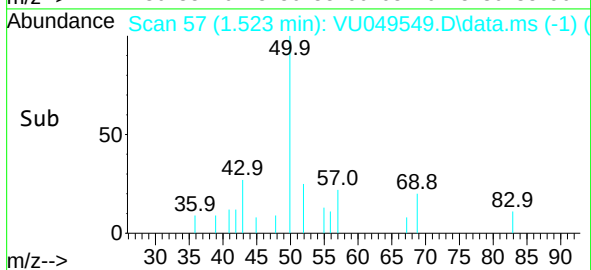
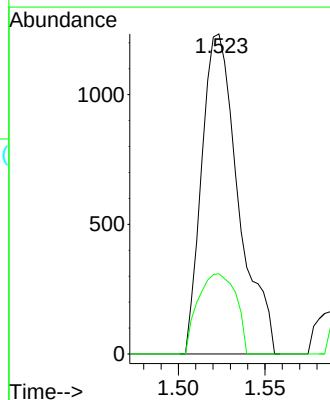
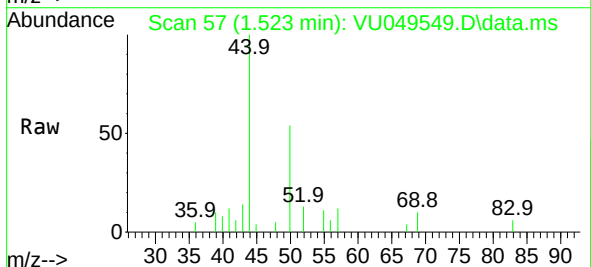
Instrument :
MSVOA_U
ClientSampleId :
52422

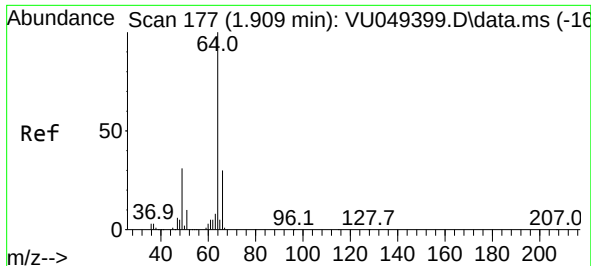
Tgt Ion:168 Resp: 241159
Ion Ratio Lower Upper
168 100
99 61.2 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

Tgt Ion: 50 Resp: 1815
Ion Ratio Lower Upper
50 100
52 25.0 27.4 41.2#

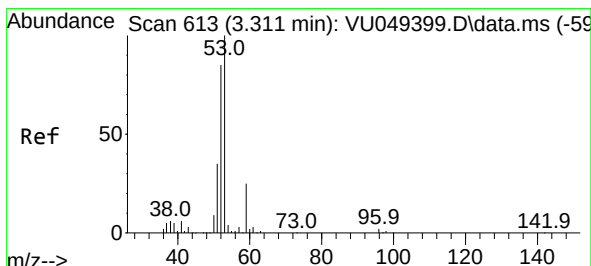
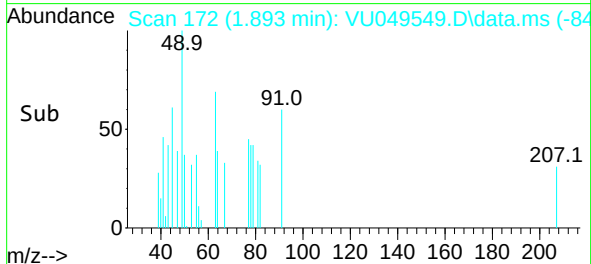
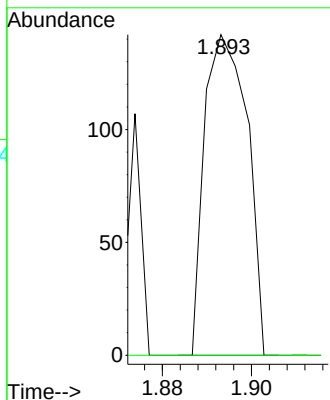
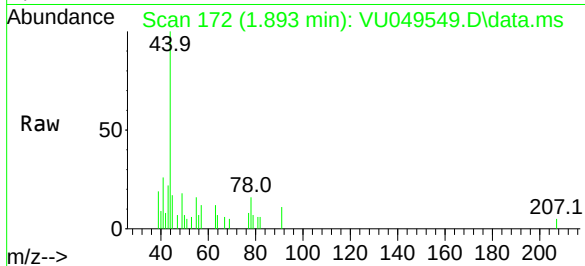




#6
Chloroethane
Concen: 1.966 ug/l
RT: 1.893 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

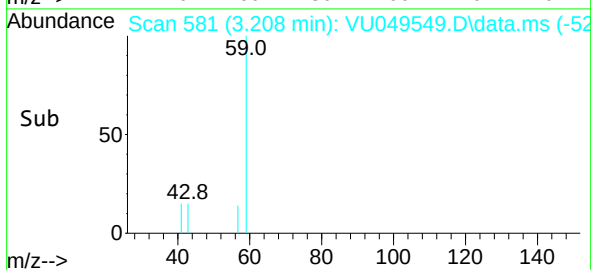
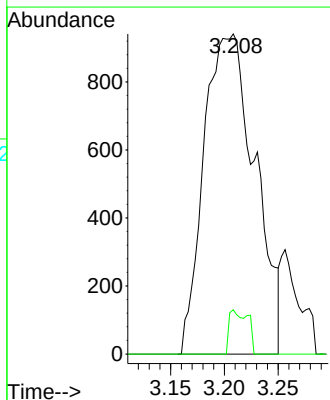
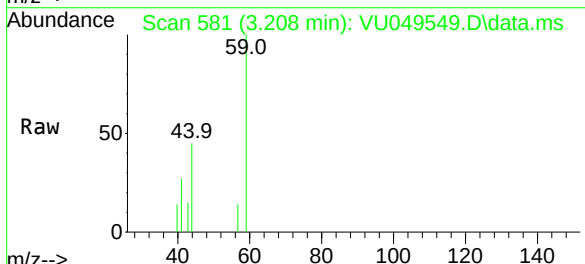
Instrument :
MSVOA_U
ClientSampleId :
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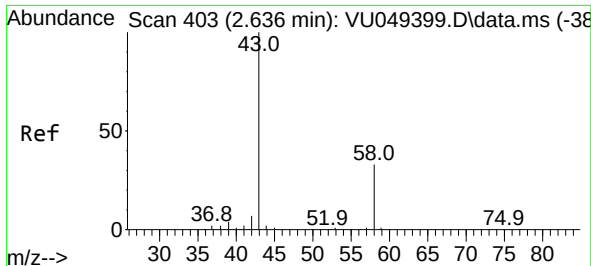
Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 3.573 ug/l
RT: 3.208 min Scan# 581
Delta R.T. -0.103 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

Tgt Ion: 59 Resp: 3106
Ion Ratio Lower Upper
59 100
57 5.0 30.6 45.8#





#16

Acetone

Concen: 5.605 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049549.D

Acq: 30 Jun 2022 06:39

Instrument :

MSVOA_U

ClientSampleId :

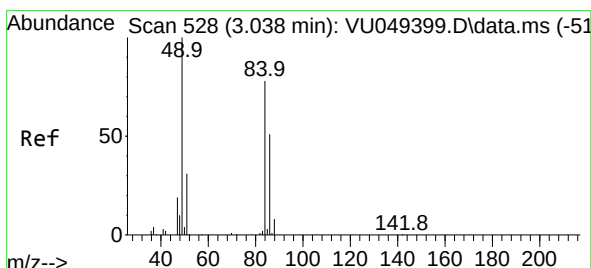
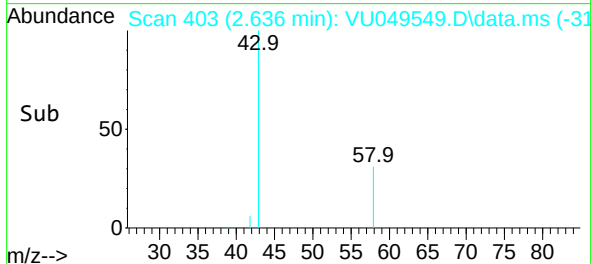
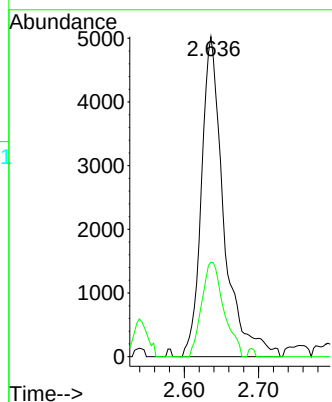
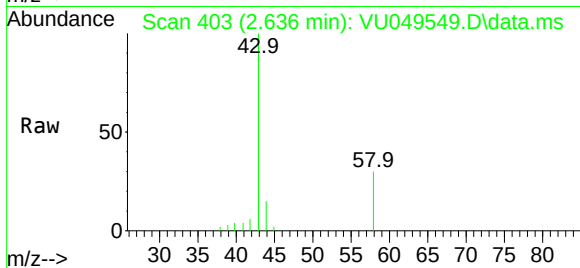
52422

Tgt Ion: 43 Resp: 10497

Ion Ratio Lower Upper

43 100

58 29.6 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.038 min Scan# 528

Delta R.T. 0.000 min

Lab File: VU049549.D

Acq: 30 Jun 2022 06:39

Tgt Ion: 84 Resp: 134

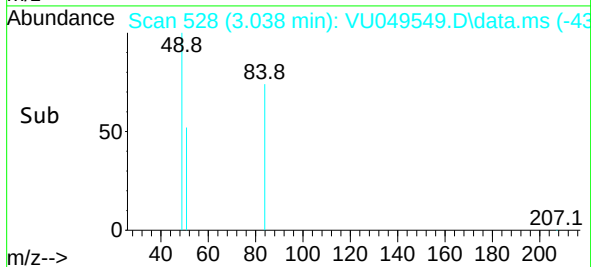
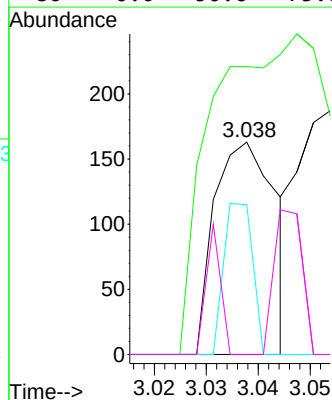
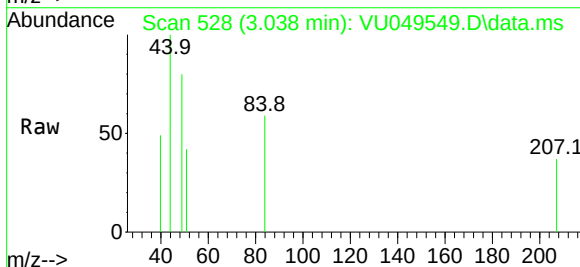
Ion Ratio Lower Upper

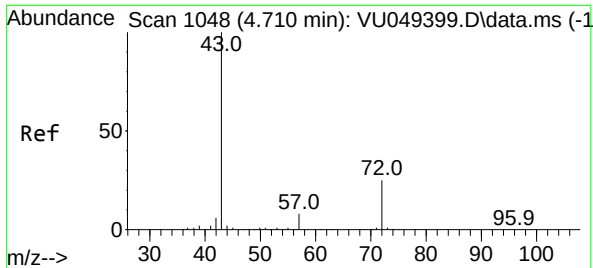
84 100

49 135.6 86.6 129.8#

51 70.6 26.6 40.0#

86 0.0 50.6 75.8#

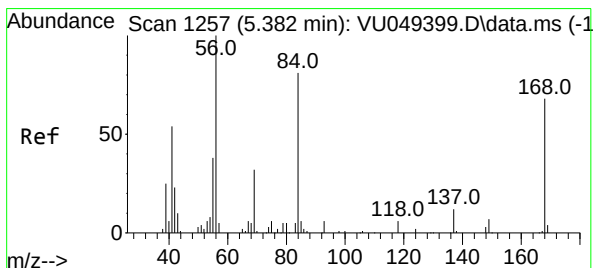
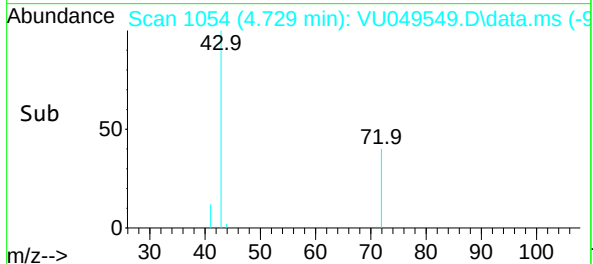
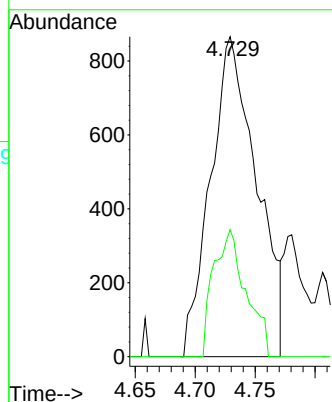
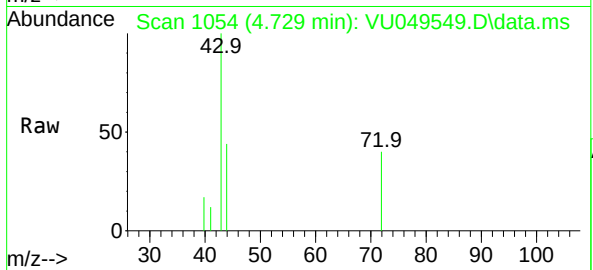




#25
2-Butanone
Concen: 0.824 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. 0.019 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

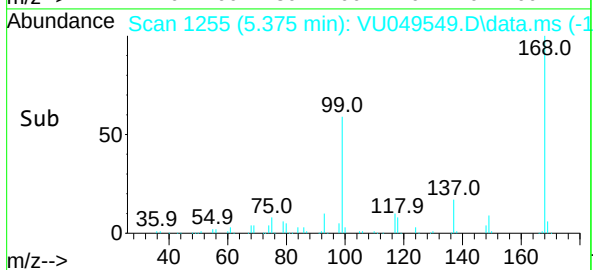
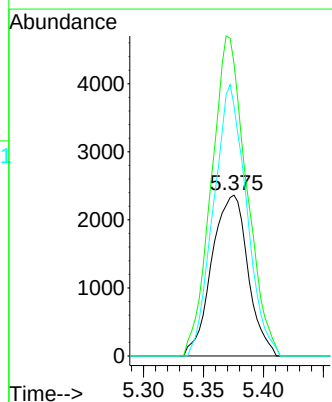
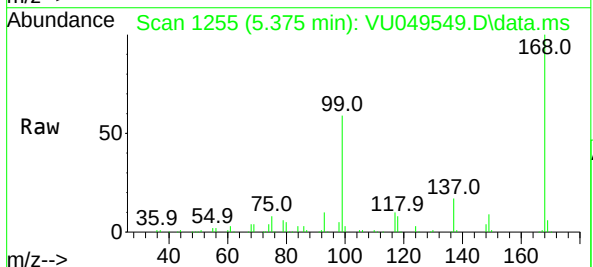
Instrument :
MSVOA_U
ClientSampleId :
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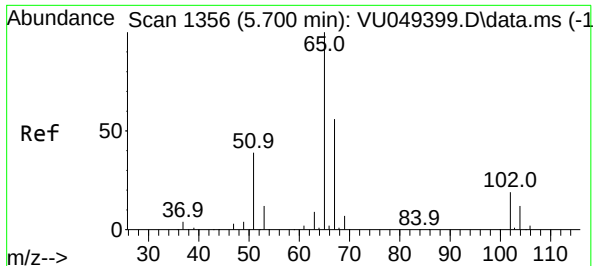
Tgt Ion: 43 Resp: 2313
Ion Ratio Lower Upper
43 100
72 39.7 23.8 35.6#



#31
Cyclohexane
Concen: 0.887 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

Tgt Ion: 56 Resp: 4946
Ion Ratio Lower Upper
56 100
69 182.3 27.8 41.8#
84 155.9 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 46.182 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049549.D

Acq: 30 Jun 2022 06:39

Instrument :

MSVOA_U

ClientSampleId :

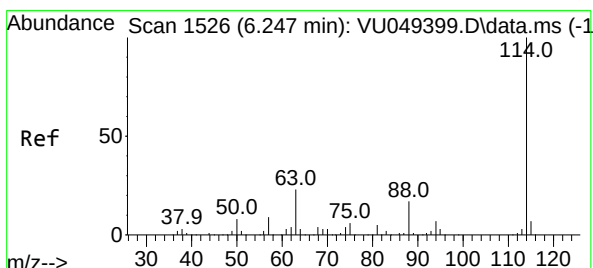
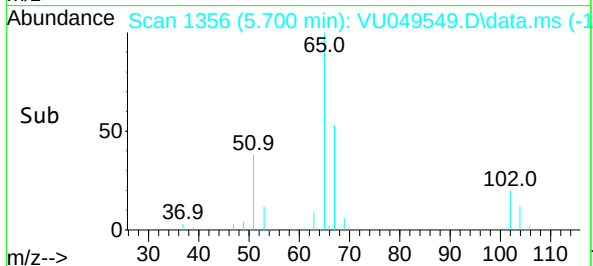
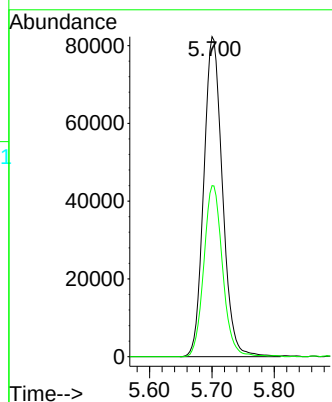
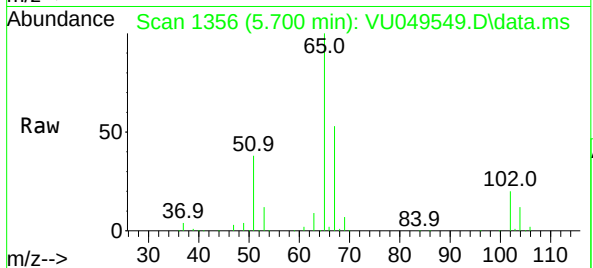
52422

Tgt Ion: 65 Resp: 171519

Ion Ratio Lower Upper

65 100

67 53.5 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: VU049549.D

Acq: 30 Jun 2022 06:39

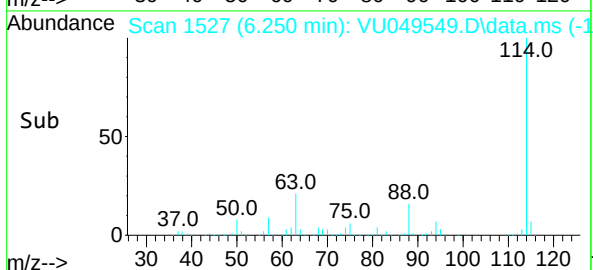
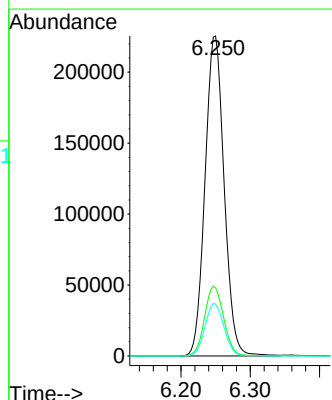
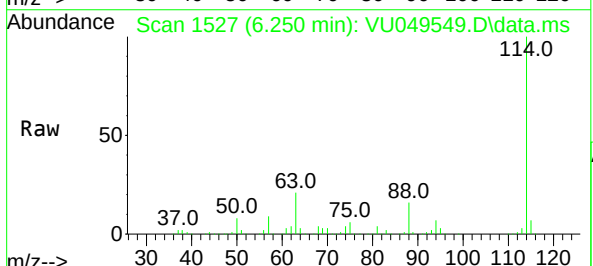
Tgt Ion: 114 Resp: 431399

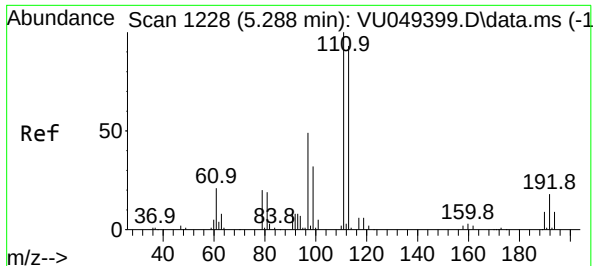
Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

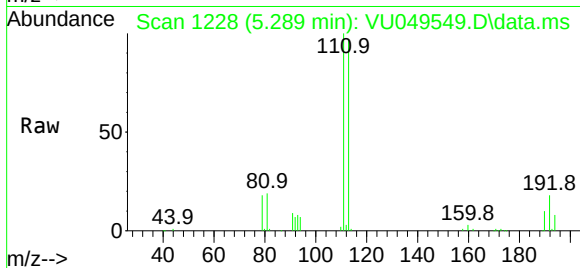
88 16.2 0.0 29.2



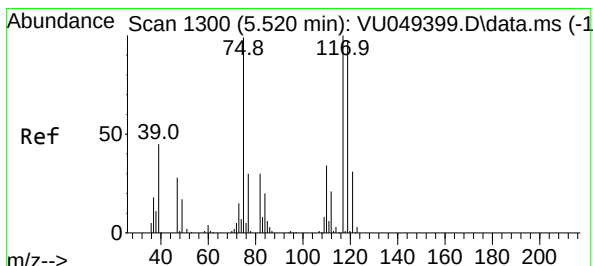
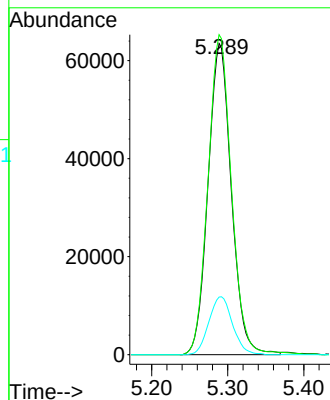
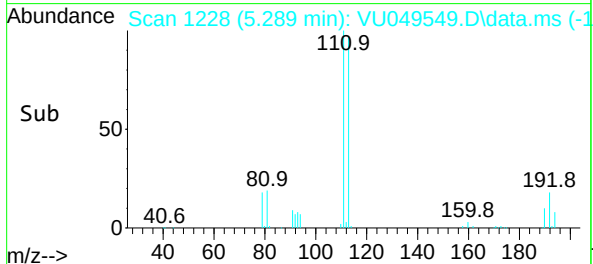


#35
Dibromofluoromethane
Concen: 44.777 ug/l
RT: 5.289 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

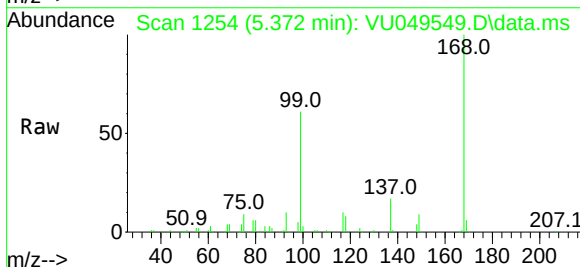
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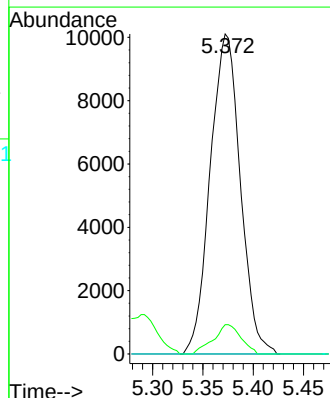
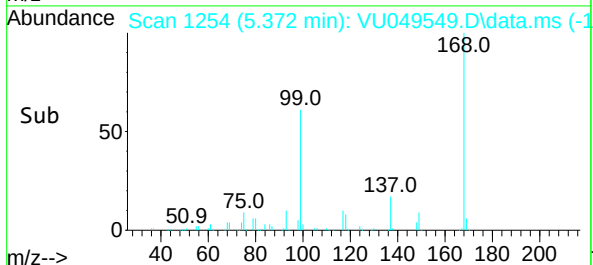
Tgt Ion:113 Resp: 135146
Ion Ratio Lower Upper
113 100
111 103.6 82.1 123.1
192 18.9 18.0 27.0

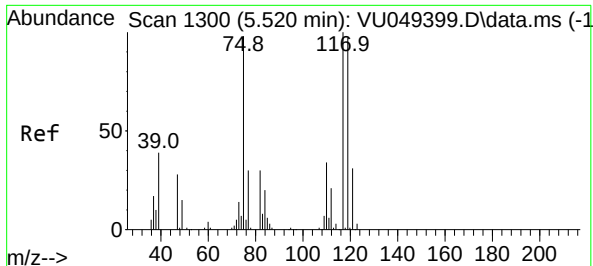


#36
1,1-Dichloropropene
Concen: 4.808 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39



Tgt Ion: 75 Resp: 21041
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 25.1 37.7#

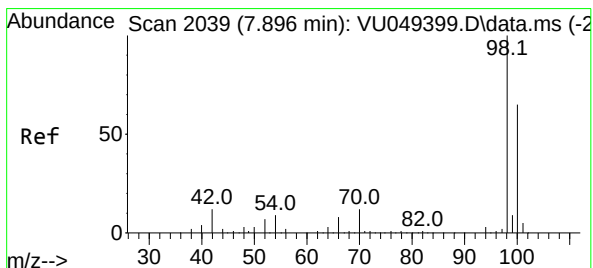
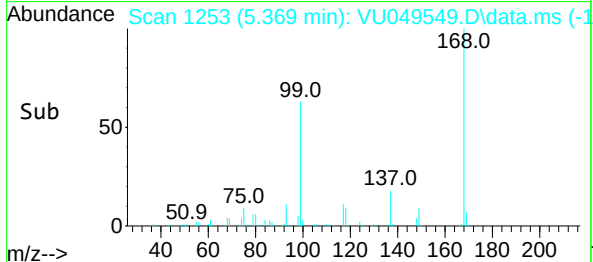
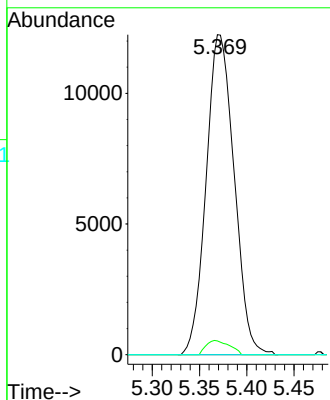
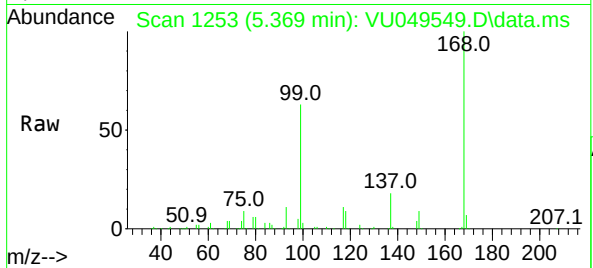




#38
Carbon Tetrachloride
Concen: 5.500 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

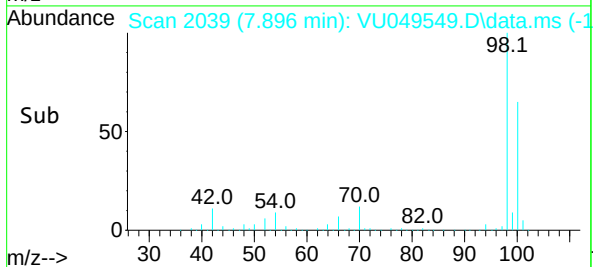
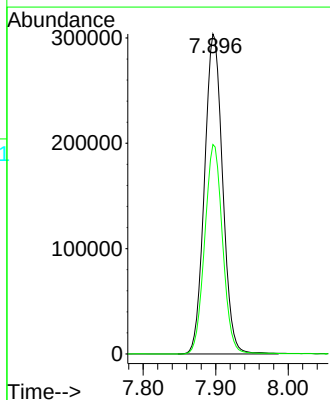
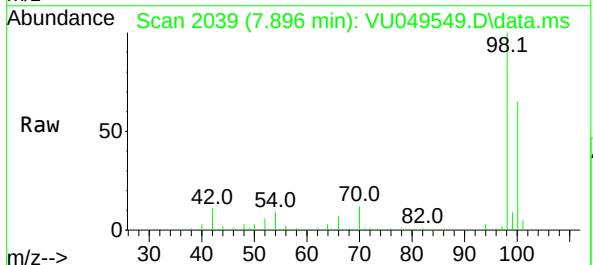
Instrument :
MSVOA_U
ClientSampleId :
52422

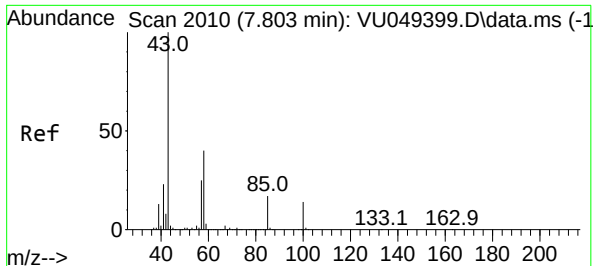
Tgt Ion:117 Resp: 25241
Ion Ratio Lower Upper
117 100
119 4.3 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.977 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

Tgt Ion: 98 Resp: 527241
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.561 ug/l

RT: 7.793 min Scan# 2010

Delta R.T. -0.010 min

Lab File: VU049549.D

Acq: 30 Jun 2022 06:39

Instrument :

MSVOA_U

ClientSampleId :

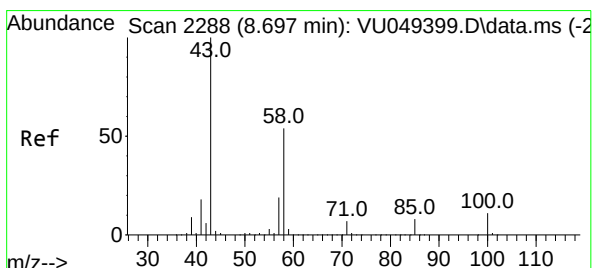
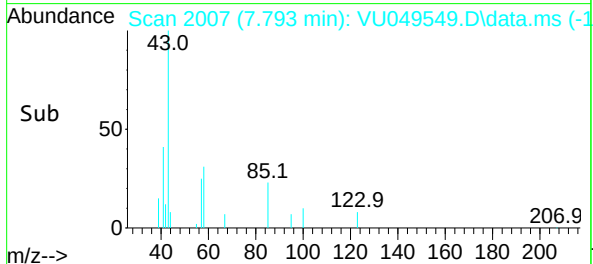
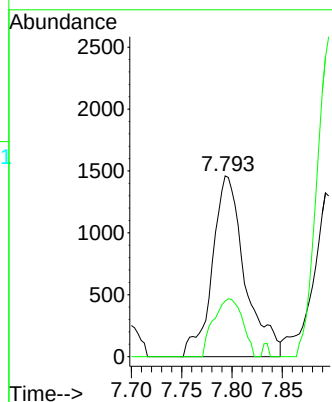
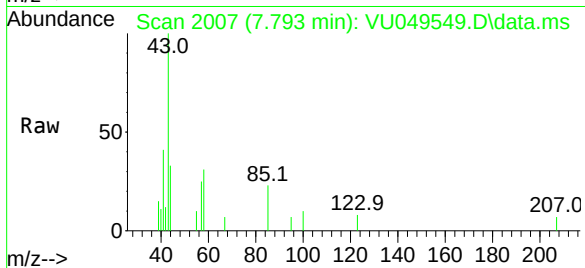
52422

Tgt Ion: 43 Resp: 3289

Ion Ratio Lower Upper

43 100

58 28.3 34.7 52.1#



#59

2-Hexanone

Concen: 0.279 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. -0.006 min

Lab File: VU049549.D

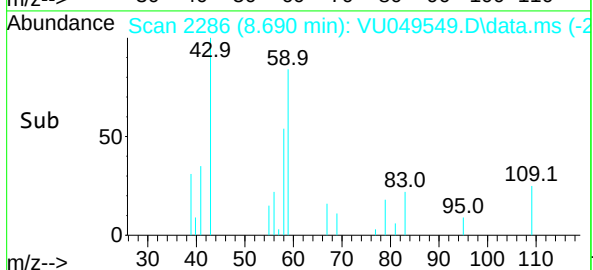
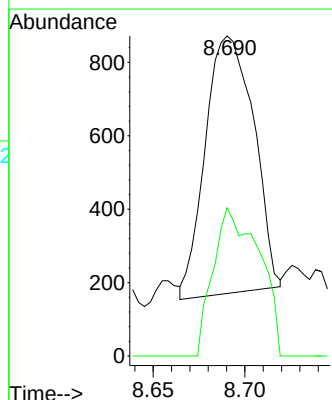
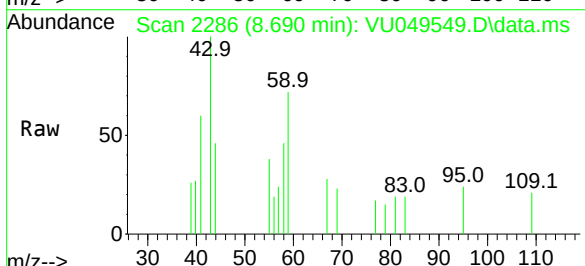
Acq: 30 Jun 2022 06:39

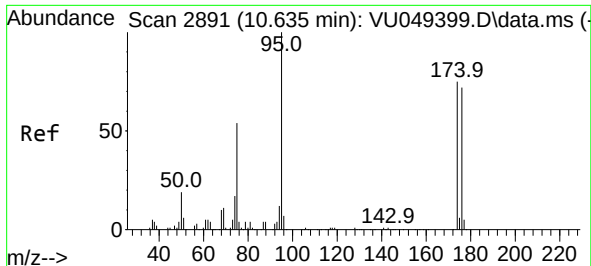
Tgt Ion: 43 Resp: 1287

Ion Ratio Lower Upper

43 100

58 54.9 30.3 90.8

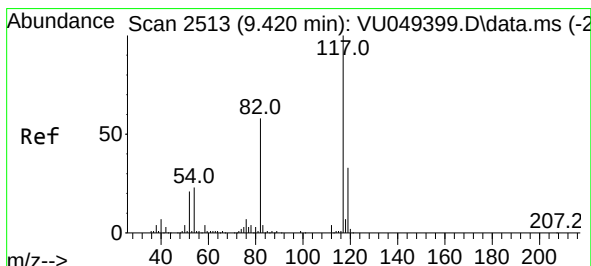
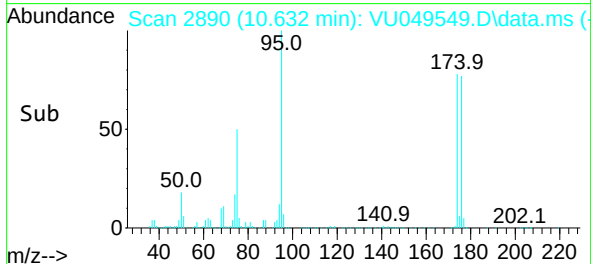
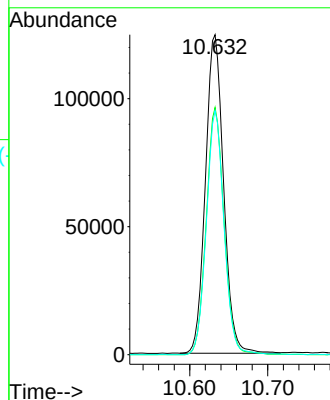
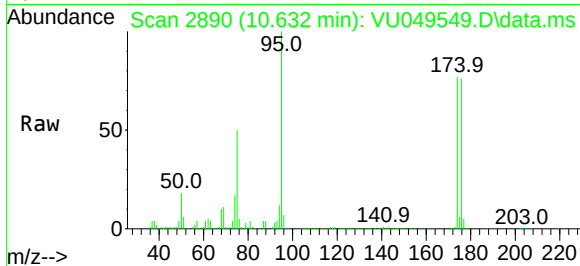




#62
4-Bromofluorobenzene
Concen: 48.834 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

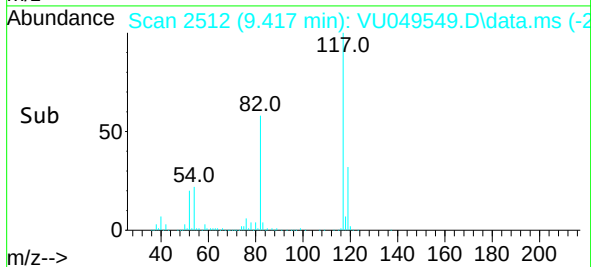
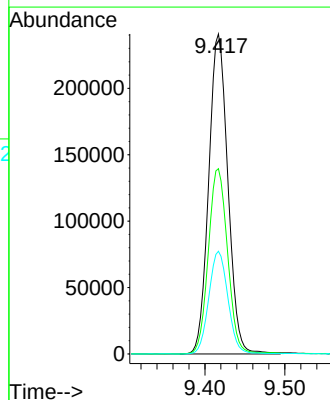
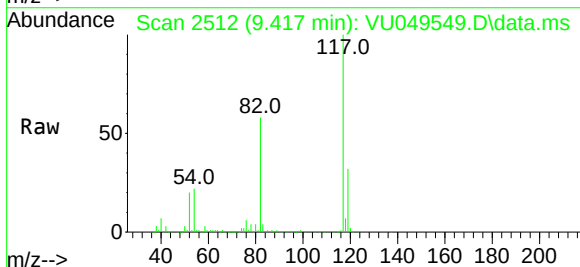
Instrument :
MSVOA_U
ClientSampleId :
52422

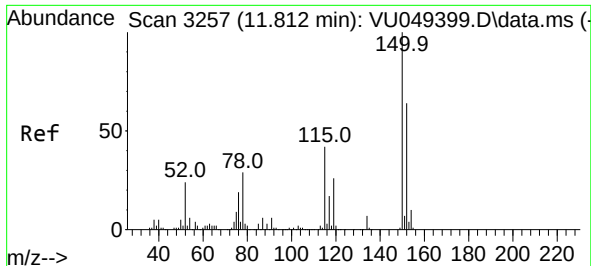
Tgt Ion: 95 Resp: 201378
Ion Ratio Lower Upper
95 100
174 76.4 0.0 182.0
176 74.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

Tgt Ion: 117 Resp: 401684
Ion Ratio Lower Upper
117 100
82 57.9 41.7 62.5
119 32.1 25.7 38.5

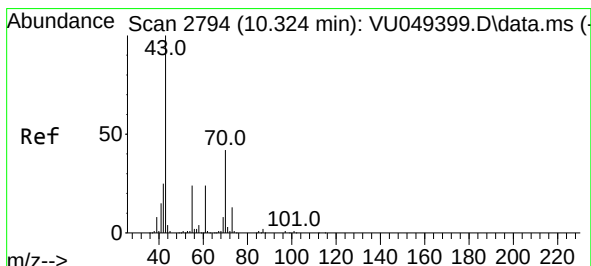
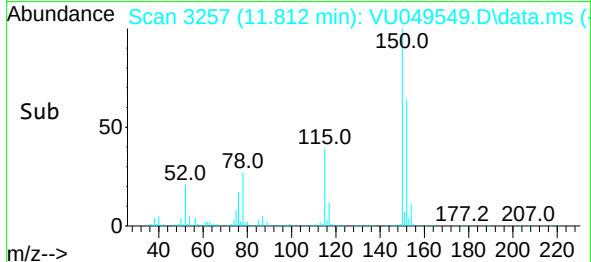
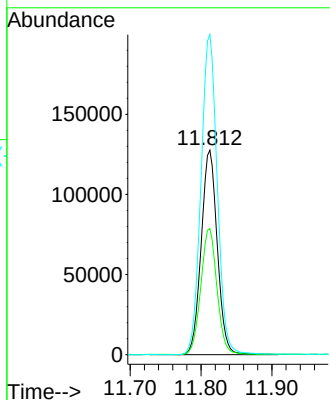
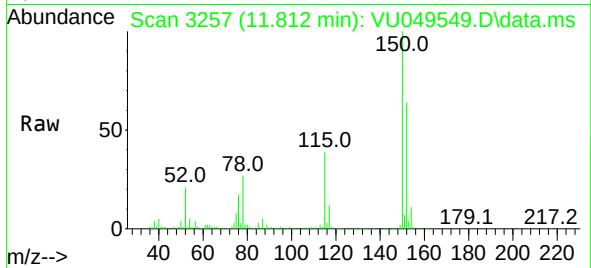




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

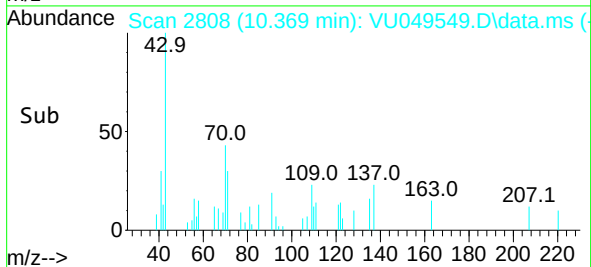
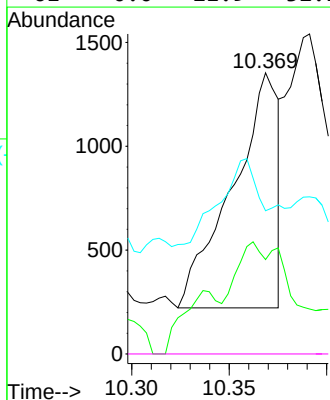
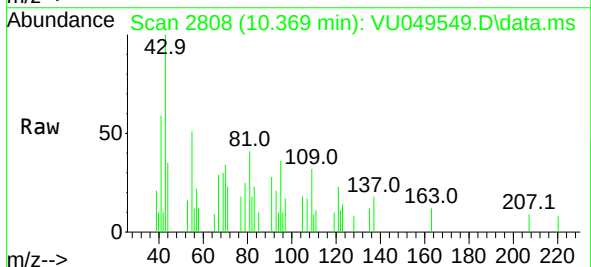
Instrument :
MSVOA_U
ClientSampleId :
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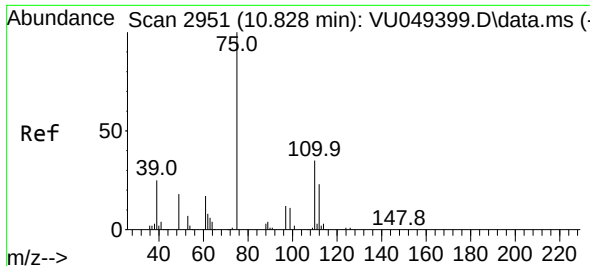
Tgt Ion:152 Resp: 201204
Ion Ratio Lower Upper
152 100
115 61.9 37.0 110.9
150 158.3 0.0 342.2



#74
N-ethyl acetate
Concen: 0.243 ug/l
RT: 10.369 min Scan# 2808
Delta R.T. 0.045 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

Tgt Ion: 43 Resp: 1840
Ion Ratio Lower Upper
43 100
70 14.8 38.7 58.1#
55 31.7 21.8 32.8
61 0.0 21.9 32.9#

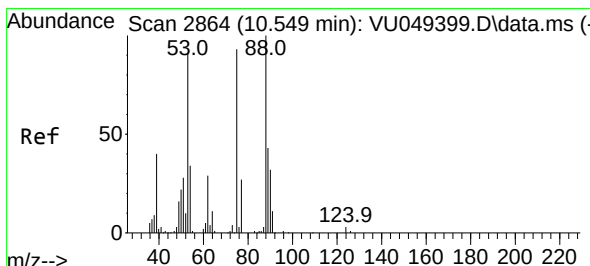
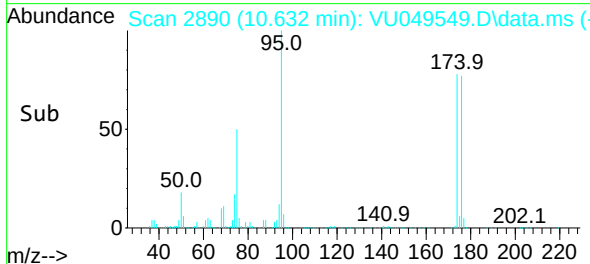
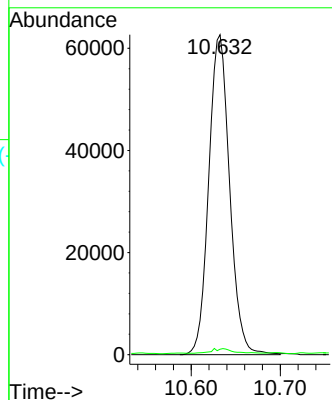
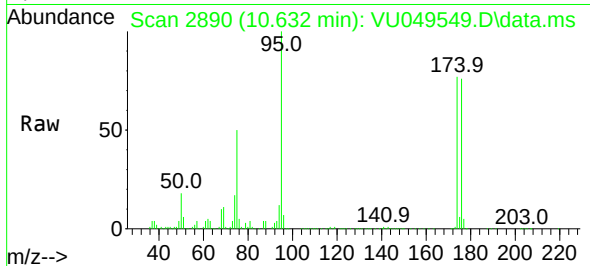




#76
1,2,3-Trichloropropane
Concen: 14.919 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

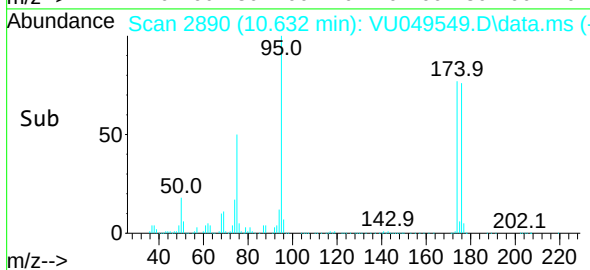
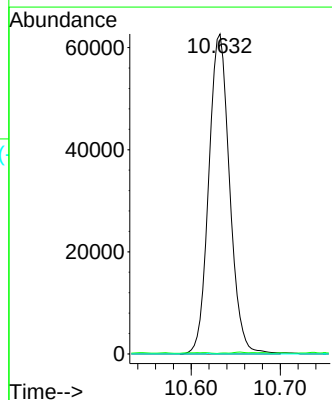
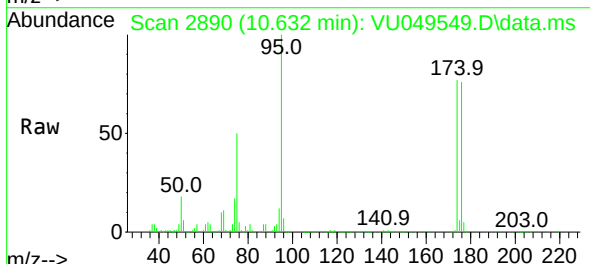
Instrument :
MSVOA_U
ClientSampleId :
52422

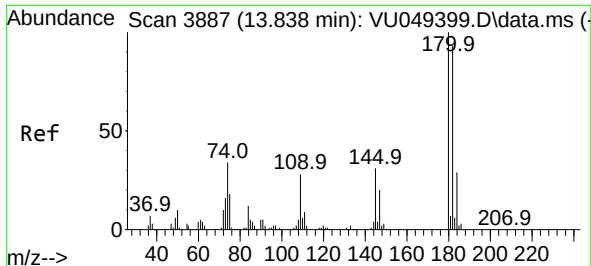
Tgt Ion: 75 Resp: 101760
Ion Ratio Lower Upper
75 100
77 1.7 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.096 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

Tgt Ion: 75 Resp: 101760
Ion Ratio Lower Upper
75 100
53 0.2 69.2 103.8#
89 0.0 37.0 55.6#

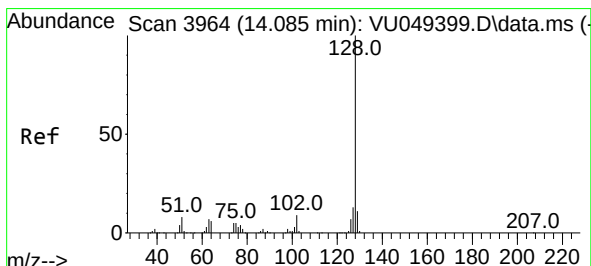
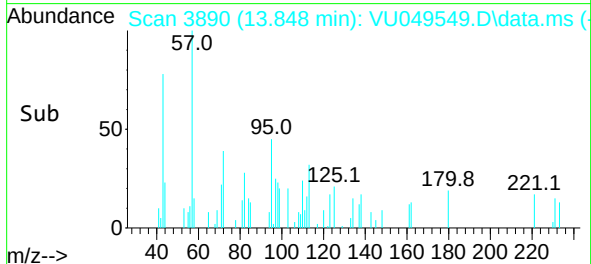
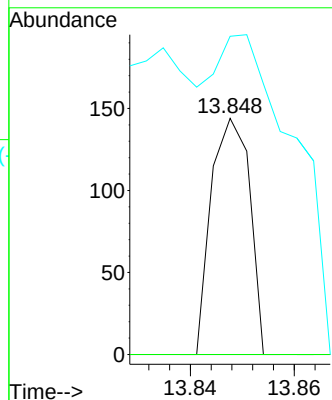
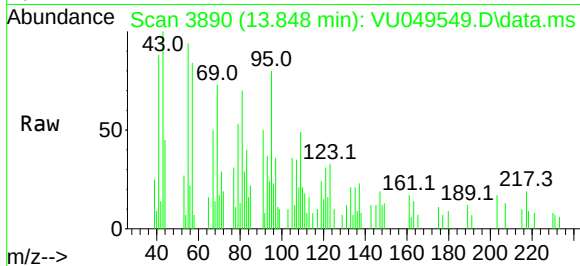




#93
1,2,4-Trichlorobenzene
Concen: 1.770 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

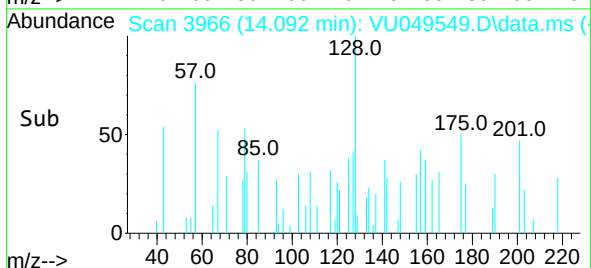
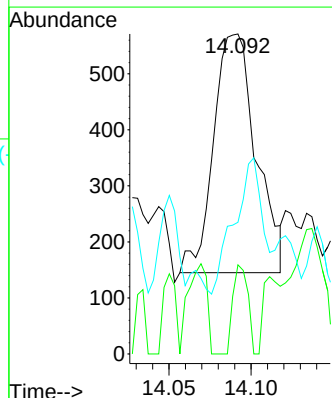
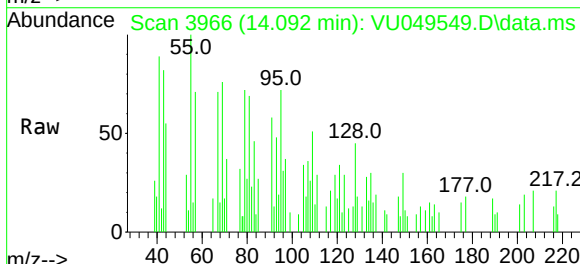
Instrument :
MSVOA_U
ClientSampleId :
52422

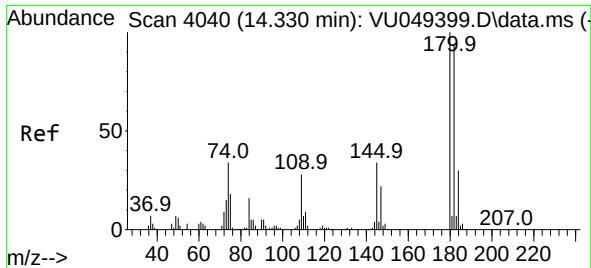
Tgt Ion:180 Resp: 74
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 298.6 14.0 41.9#



#95
Naphthalene
Concen: 1.783 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.007 min
Lab File: VU049549.D
Acq: 30 Jun 2022 06:39

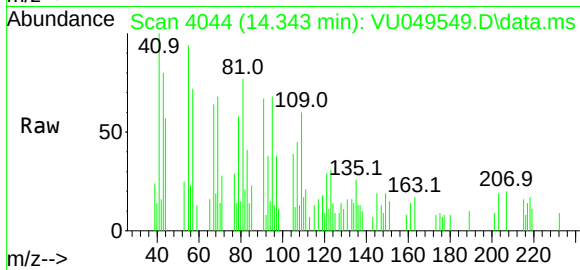
Tgt Ion:128 Resp: 769
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.191 ug/l
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.013 min
 Lab File: VU049549.D
 Acq: 30 Jun 2022 06:39

Instrument :
 MSVOA_U
 ClientSampleId :
 52422



Tgt Ion:180 Resp: 64
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.4 145.0#
 145 382.8 14.8 44.4#

