

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049513.D
 Acq On : 29 Jun 2022 15:24
 Operator : SY/MD
 Sample : N3457-15DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 00:49:06 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)

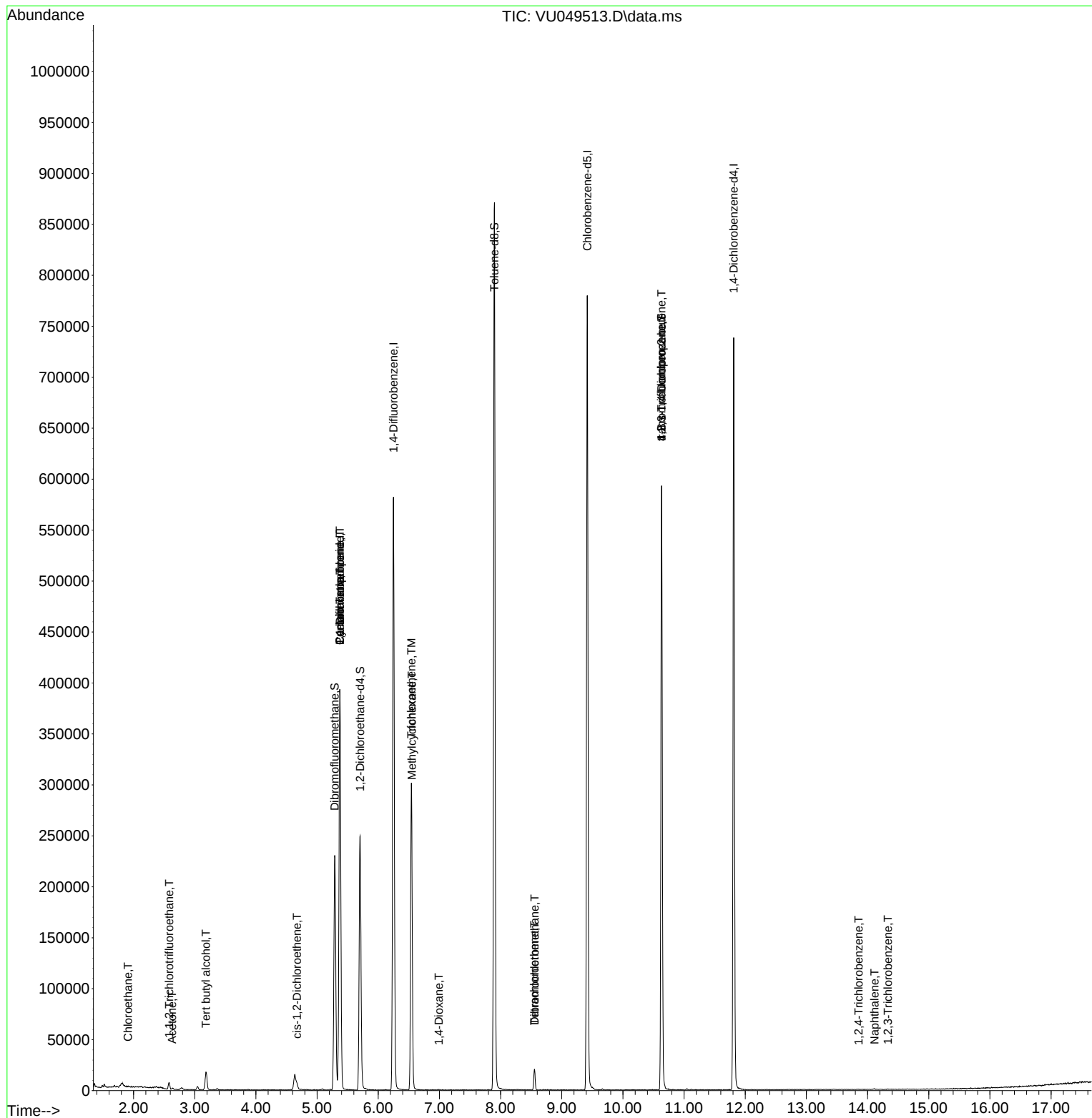
Internal Standards						
1) Pentafluorobenzene	5.372	168	272361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	476995	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	435524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	196853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	187839	44.782	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.560%
35) Dibromofluoromethane	5.288	113	152079	45.571	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.140%
50) Toluene-d8	7.899	98	576952	48.472	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.940%
62) 4-Bromofluorobenzene	10.632	95	206911	45.379	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.760%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	2299	Below Cal		100
6) Chloroethane	1.909	64	63	1.945 ug/l #		44
9) 1,1,2-Trichlorotrifluo...	2.581	101	2106	0.697 ug/l		96
11) Tert butyl alcohol	3.182	59	11107	11.313 ug/l #		37
16) Acetone	2.629	43	1147	0.542 ug/l		98
20) Methylene Chloride	3.044	84	1460	Below Cal		99
27) cis-1,2-Dichloroethene	4.671	96	1929	0.524 ug/l		69
31) Cyclohexane	5.372	56	5871	0.932 ug/l #		2
36) 1,1-Dichloropropene	5.372	75	22378	4.625 ug/l #		47
38) Carbon Tetrachloride	5.372	117	27497	5.418 ug/l #		15
39) Methylcyclohexane	6.549	83	1284	0.221 ug/l #		1
44) Trichloroethene	6.542	130	101539	29.237 ug/l		88
49) 1,4-Dioxane	6.989	88	30	0.258 ug/l #		58
60) Dibromochloromethane	8.555	129	4451	1.192 ug/l #		11
64) Tetrachloroethene	8.552	164	4525	1.620 ug/l		97
76) 1,2,3-Trichloropropane	10.632	75	104019	15.588 ug/l #		45
81) trans-1,4-Dichloro-2-b...	10.632	75	104019	57.564 ug/l #		15
93) 1,2,4-Trichlorobenzene	13.854	180	72	1.770 ug/l #		39
95) Naphthalene	14.114	128	985	1.798 ug/l #		72
96) 1,2,3-Trichlorobenzene	14.333	180	104	1.199 ug/l #		61

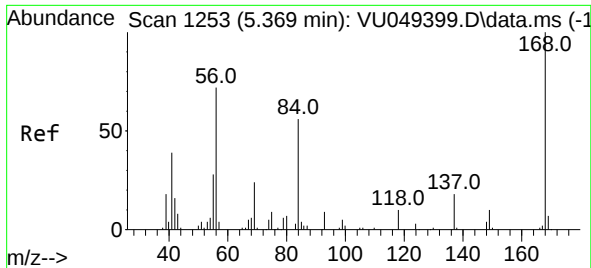
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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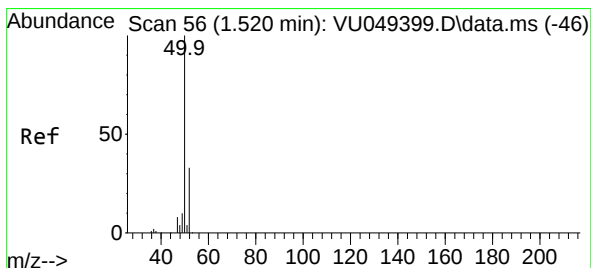
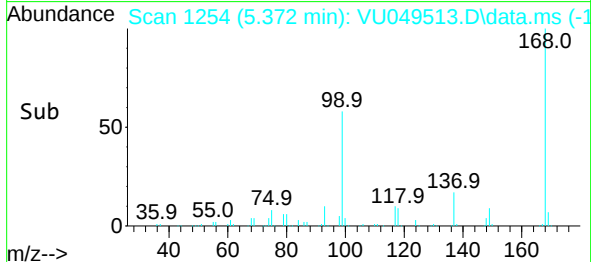
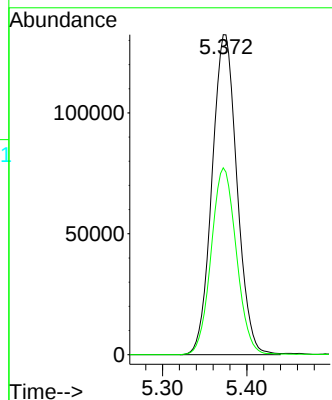
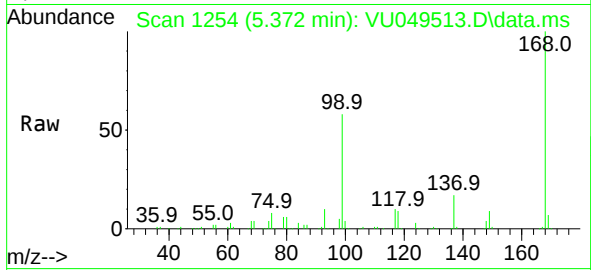




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

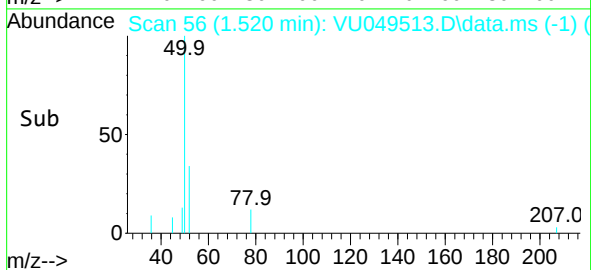
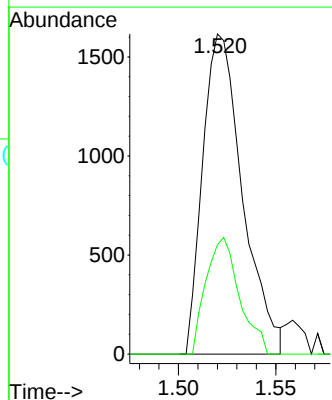
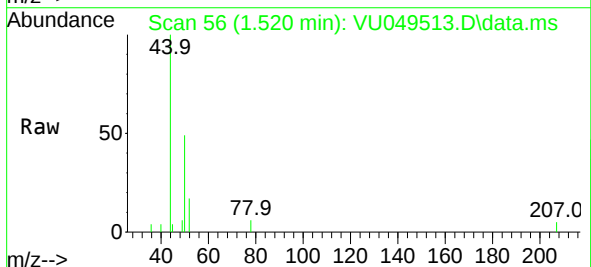
Instrument :
MSVOA_U
ClientSampleId :

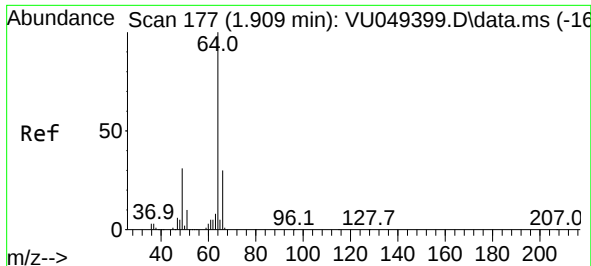
Tgt Ion:168 Resp: 272361
Ion Ratio Lower Upper
168 100
99 58.4 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

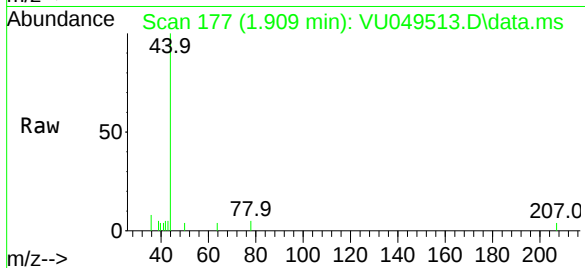
Tgt Ion: 50 Resp: 2299
Ion Ratio Lower Upper
50 100
52 34.2 27.4 41.2



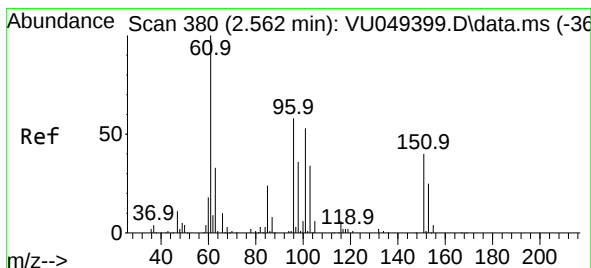
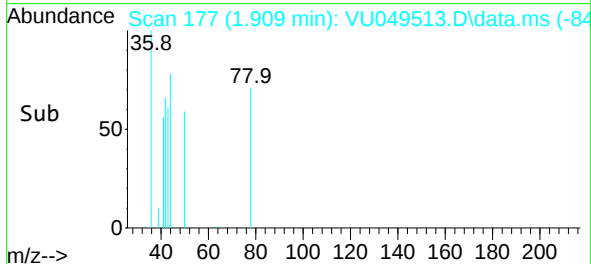
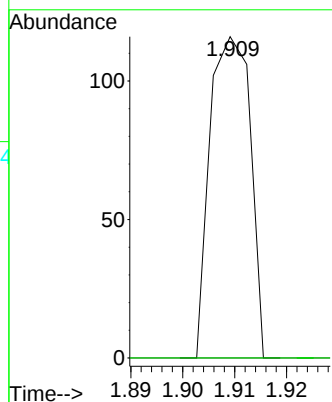


#6
Chloroethane
Concen: 1.945 ug/l
RT: 1.909 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

Instrument :
MSVOA_U
ClientSampleId :

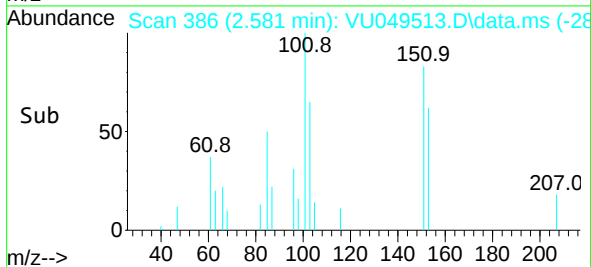
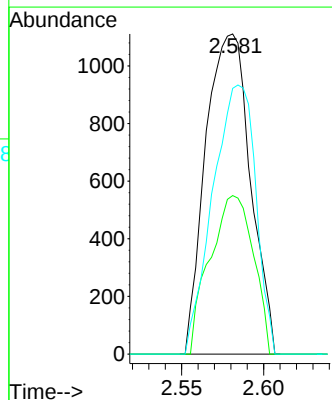
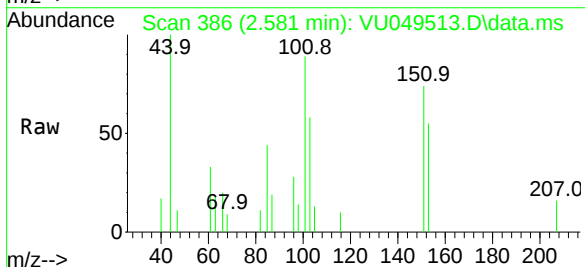


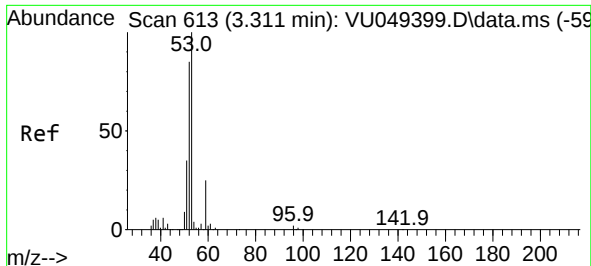
Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.697 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

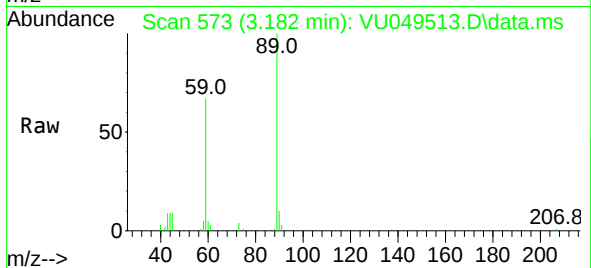
Tgt Ion: 101 Resp: 2106
Ion Ratio Lower Upper
101 100
85 48.1 33.9 50.9
151 80.6 64.0 96.0



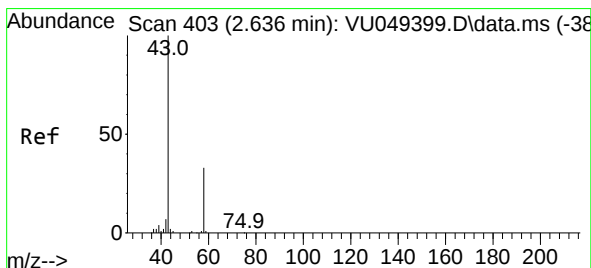
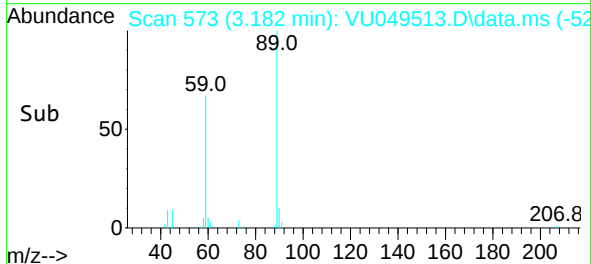
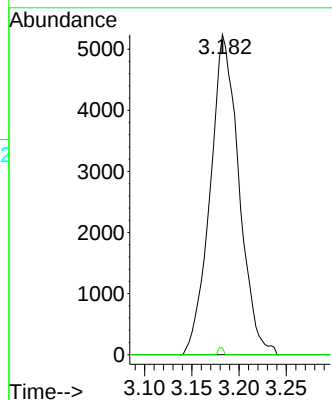


#11
Tert butyl alcohol
Concen: 11.313 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.129 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

Instrument :
MSVOA_U
ClientSampleId :

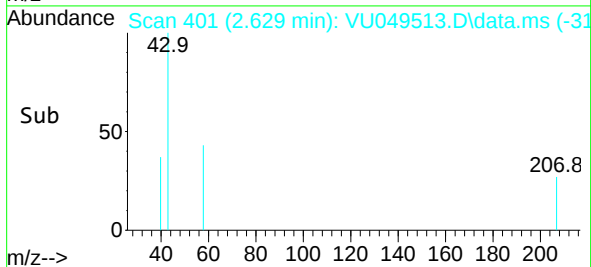
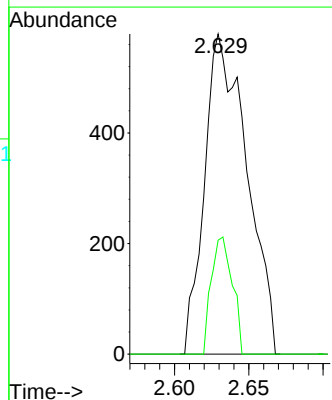
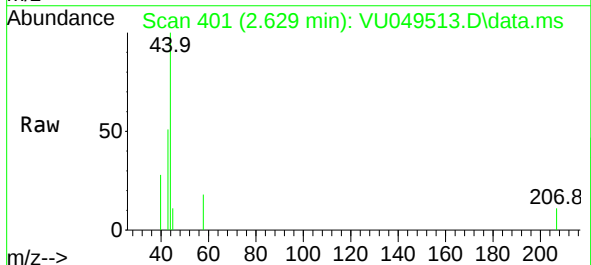


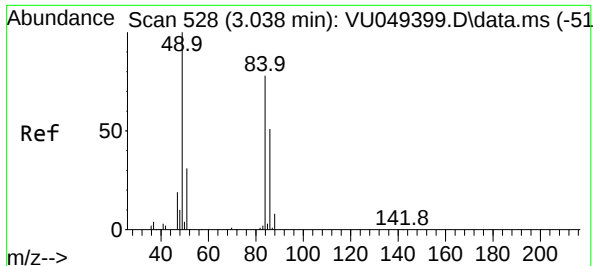
Tgt Ion: 59 Resp: 11107
Ion Ratio Lower Upper
59 100
57 0.4 30.6 45.8#



#16
Acetone
Concen: 0.542 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.006 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

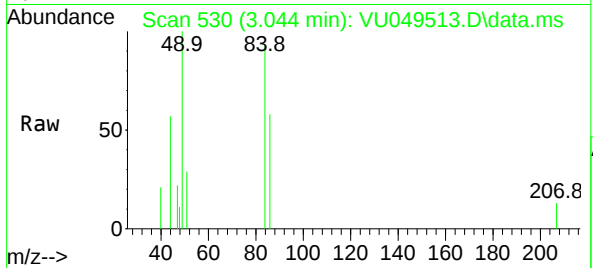
Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
58 35.6 27.5 41.3



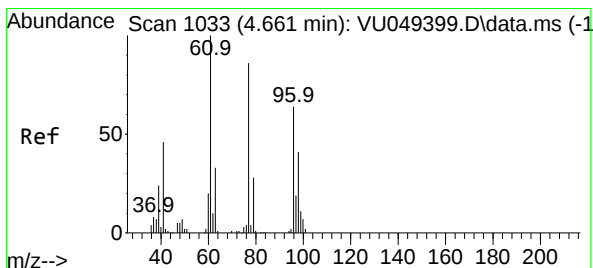
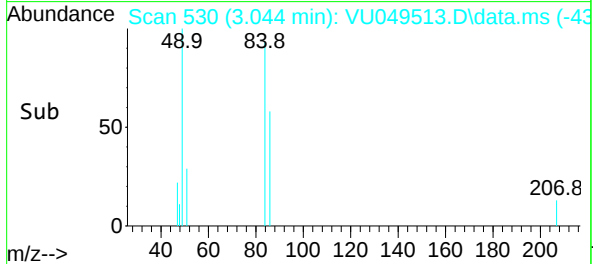
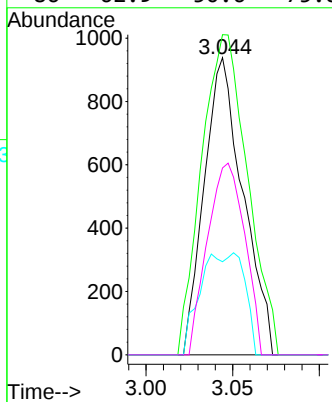


#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

Instrument :
MSVOA_U
ClientSampleId :

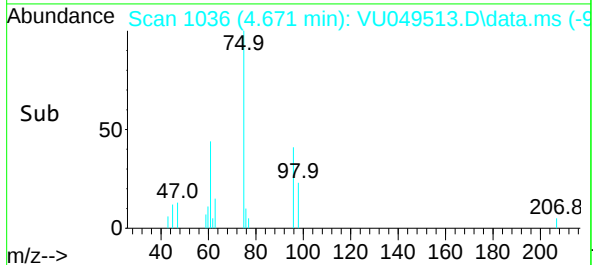
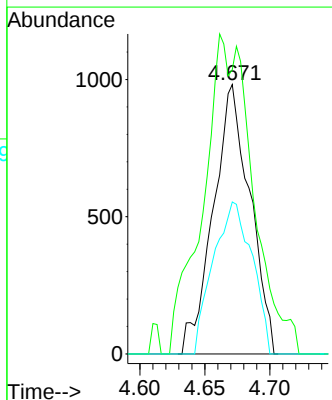
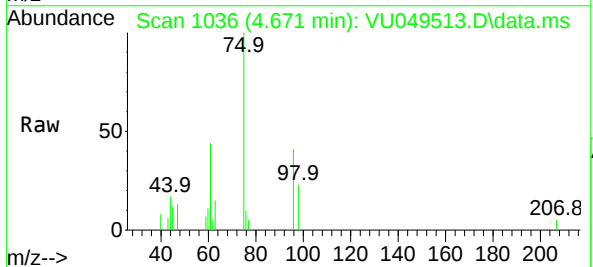


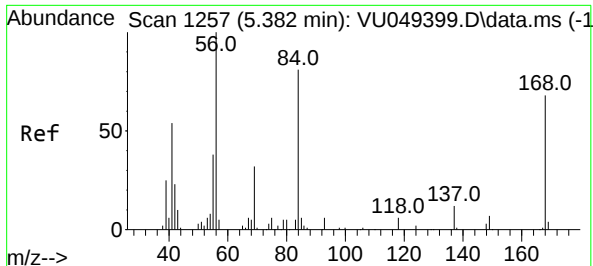
Tgt Ion:	84	Resp:	1460
Ion	Ratio	Lower	Upper
84	100		
49	107.8	86.6	129.8
51	31.3	26.6	40.0
86	62.9	50.6	75.8



#27
cis-1,2-Dichloroethene
Concen: 0.524 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.010 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

Tgt Ion:	96	Resp:	1929
Ion	Ratio	Lower	Upper
96	100		
61	84.3	0.0	271.6
98	59.7	0.0	128.2

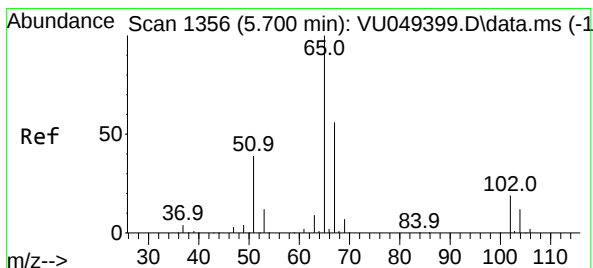
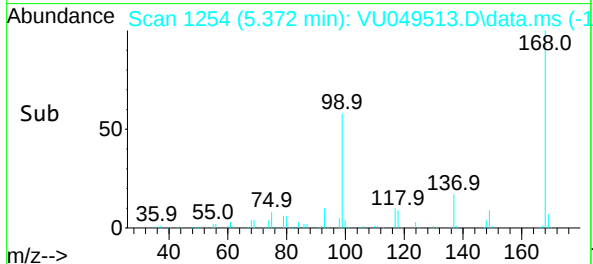
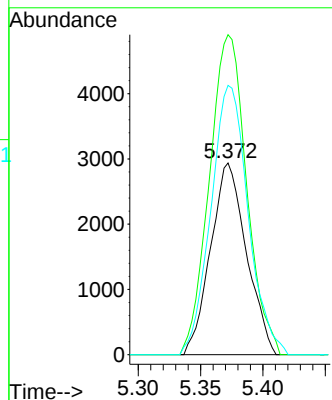
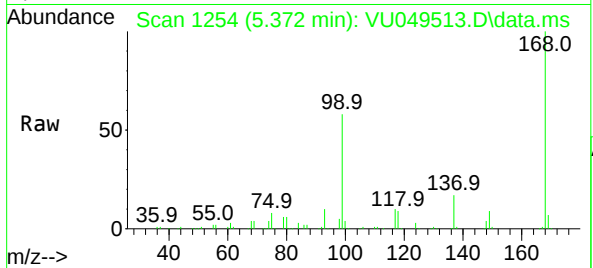




#31
Cyclohexane
Concen: 0.932 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

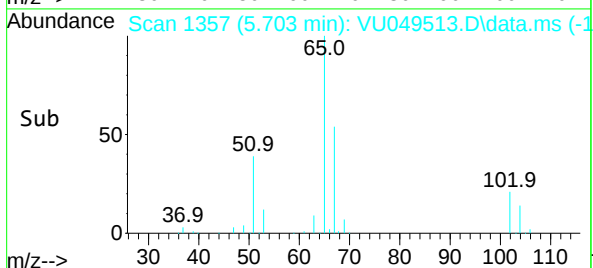
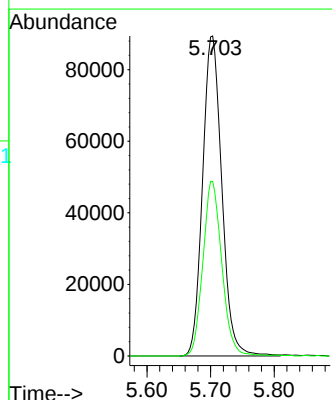
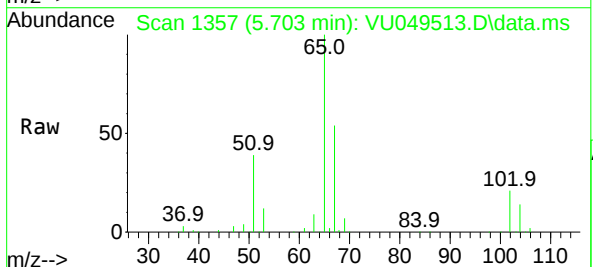
Instrument :
MSVOA_U
ClientSampleId :

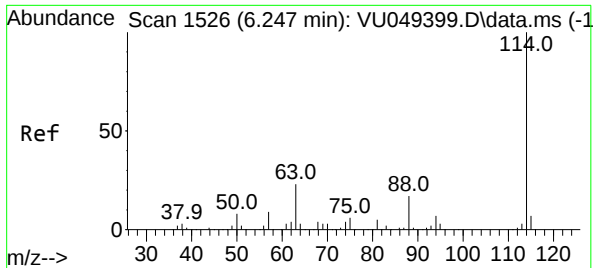
Tgt Ion: 56 Resp: 5871
Ion Ratio Lower Upper
56 100
69 167.0 27.8 41.8#
84 140.6 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 44.782 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

Tgt Ion: 65 Resp: 187839
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 114

Delta R.T. 0.003 min

Lab File: VU049513.D

Acq: 29 Jun 2022 15:24

Instrument :

MSVOA_U

ClientSampleId :

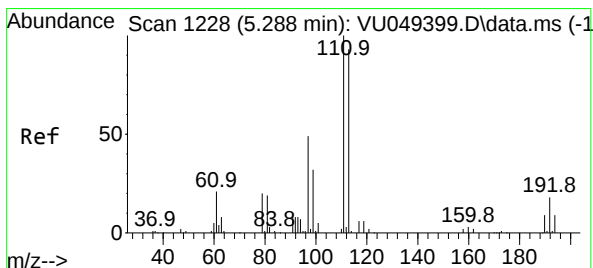
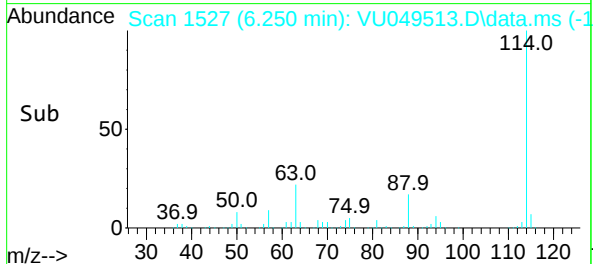
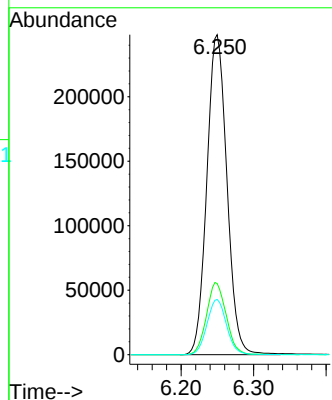
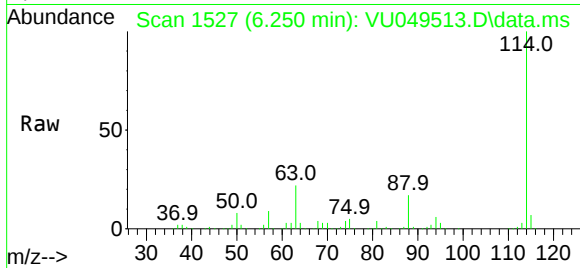
Tgt Ion:114 Resp: 476995

Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

88 17.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.571 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049513.D

Acq: 29 Jun 2022 15:24

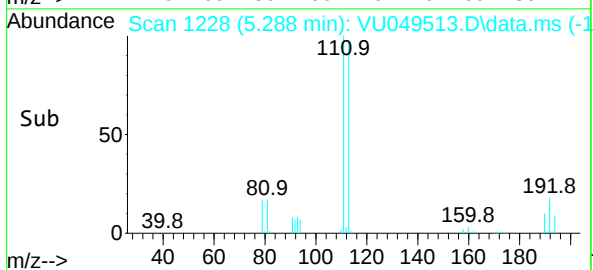
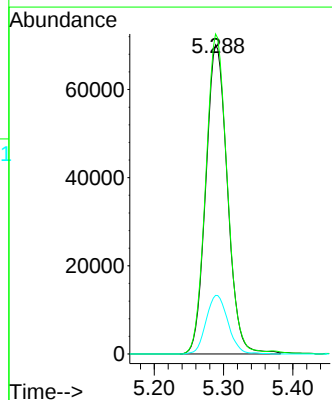
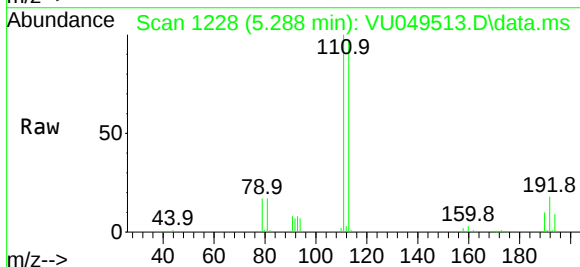
Tgt Ion:113 Resp: 152079

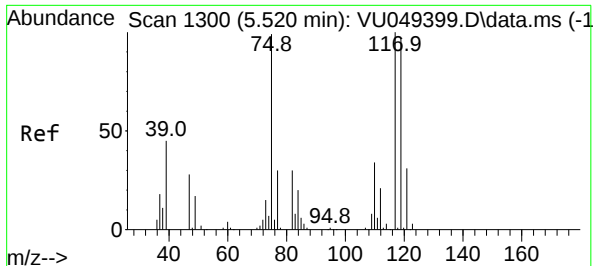
Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 19.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.625 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049513.D

Acq: 29 Jun 2022 15:24

Instrument :

MSVOA_U

ClientSampleId :

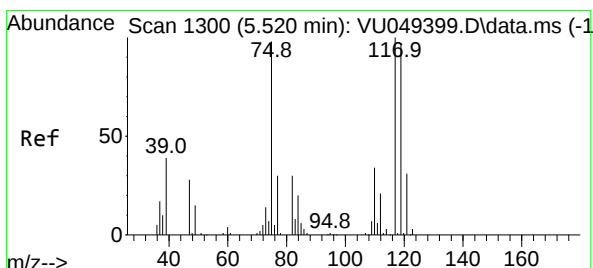
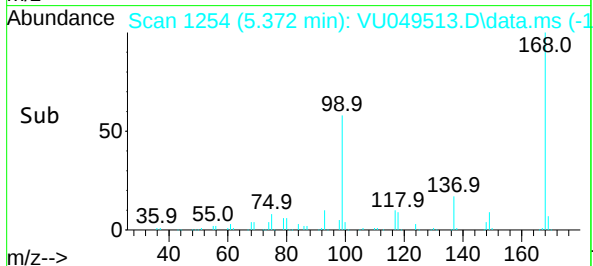
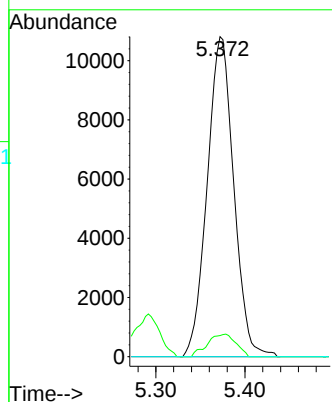
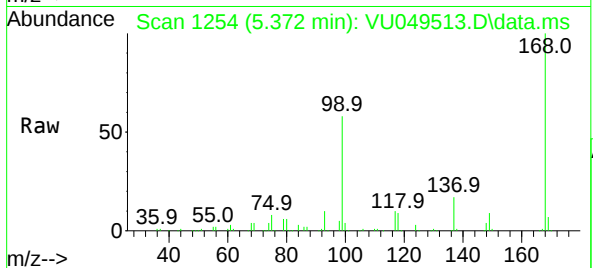
Tgt Ion: 75 Resp: 22378

Ion Ratio Lower Upper

75 100

110 7.6 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.418 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049513.D

Acq: 29 Jun 2022 15:24

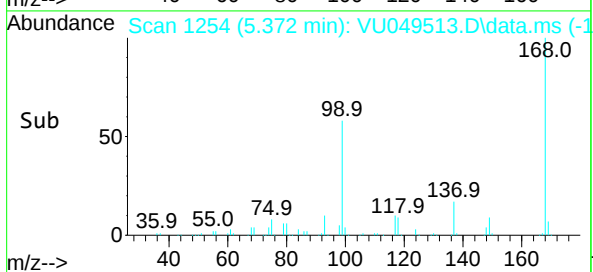
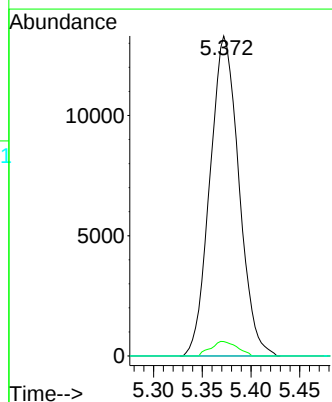
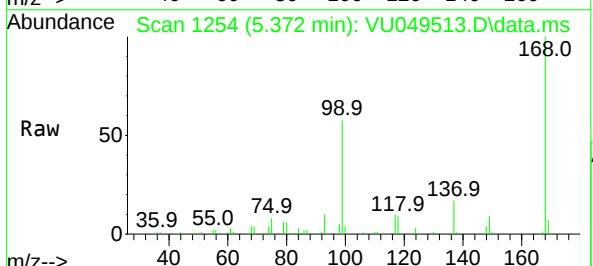
Tgt Ion: 117 Resp: 27497

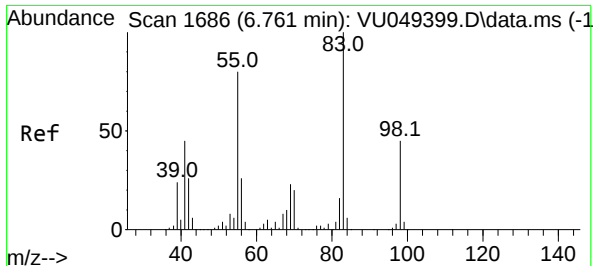
Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.221 ug/l

RT: 6.549 min Scan# 1

Delta R.T. -0.212 min

Lab File: VU049513.D

Acq: 29 Jun 2022 15:24

Instrument :

MSVOA_U

ClientSampleId :

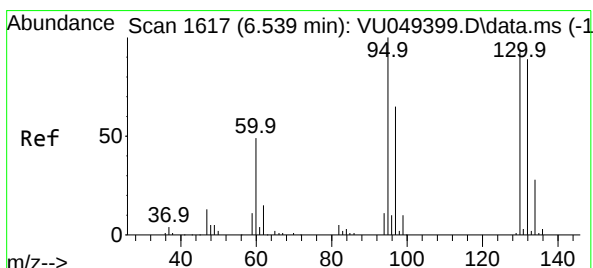
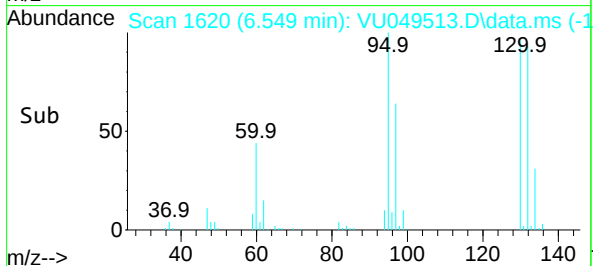
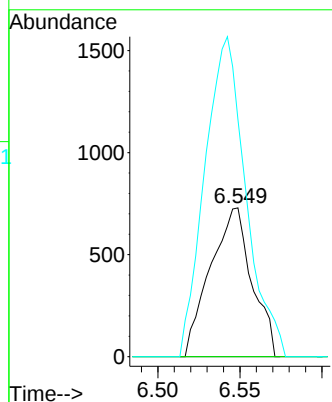
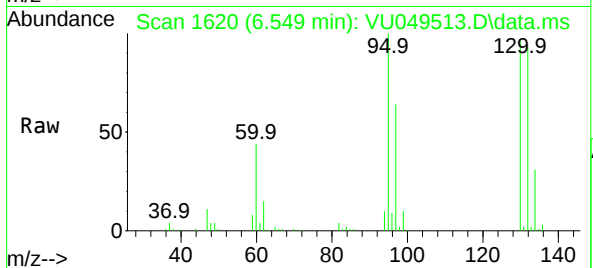
Tgt Ion: 83 Resp: 1284

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 159.3 37.3 55.9#



#44

Trichloroethene

Concen: 29.237 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049513.D

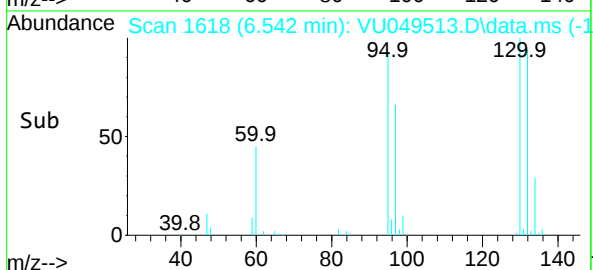
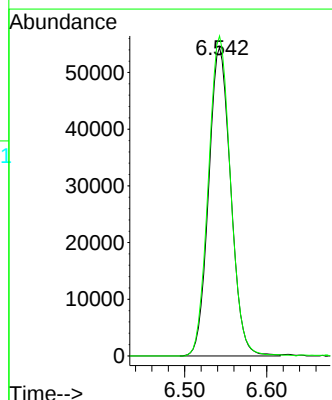
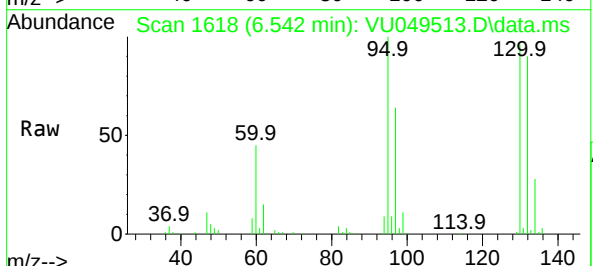
Acq: 29 Jun 2022 15:24

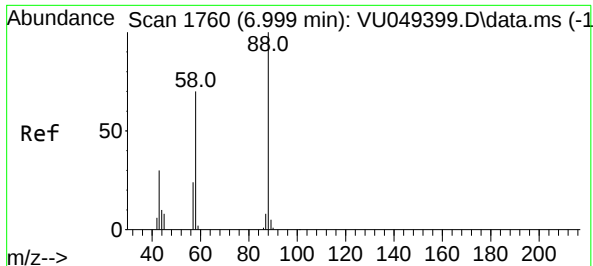
Tgt Ion:130 Resp: 101539

Ion Ratio Lower Upper

130 100

95 103.7 0.0 184.6





#49

1,4-Dioxane

Concen: 0.258 ug/l

RT: 6.989 min Scan# 1

Delta R.T. -0.010 min

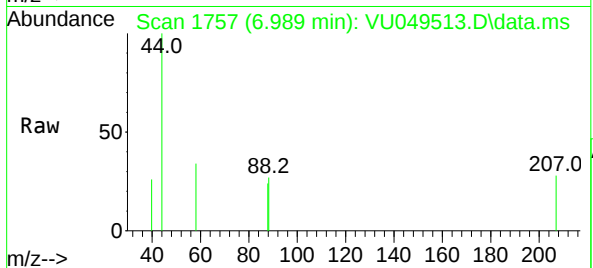
Lab File: VU049513.D

Acq: 29 Jun 2022 15:24

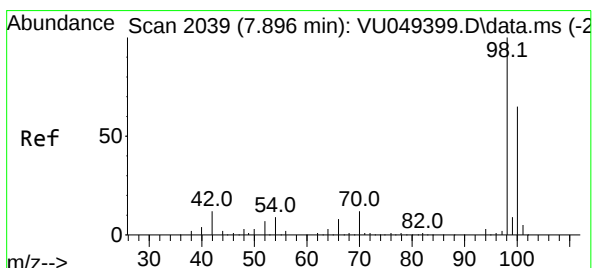
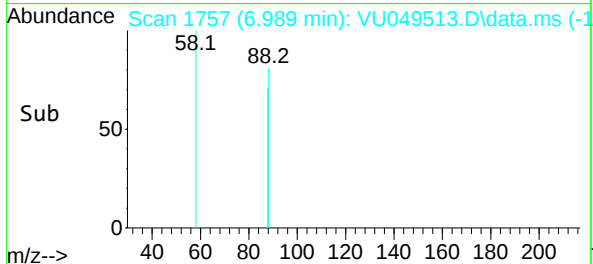
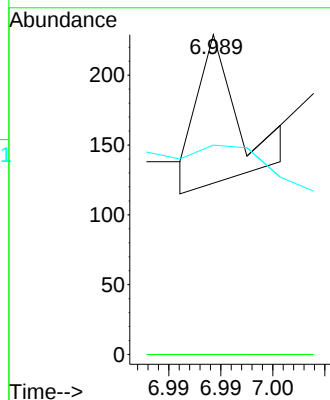
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 88	Resp: 30
Ion Ratio	Lower Upper
88	100
43	0.0 0.0 0.0
58	0.0 15.4 23.0#



#50

Toluene-d8

Concen: 48.472 ug/l

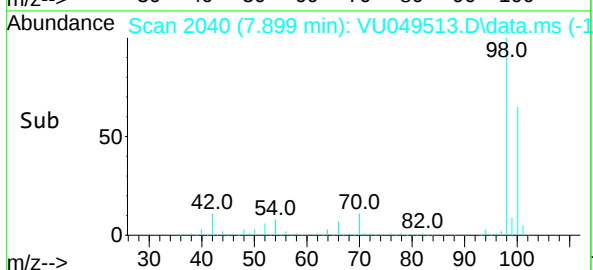
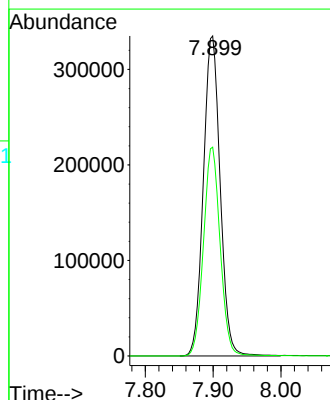
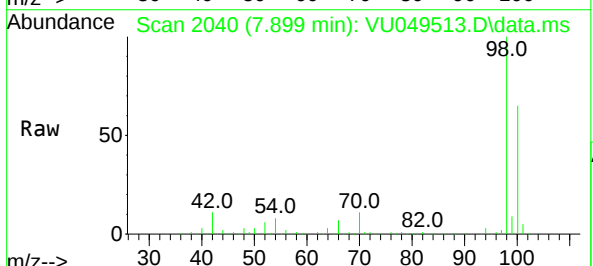
RT: 7.899 min Scan# 2040

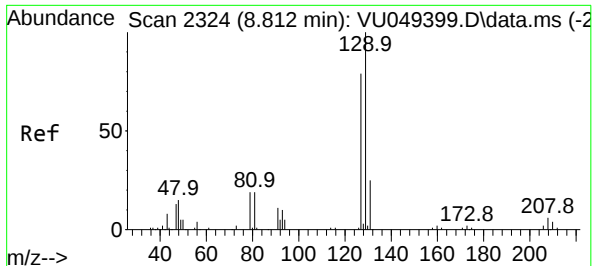
Delta R.T. 0.003 min

Lab File: VU049513.D

Acq: 29 Jun 2022 15:24

Tgt Ion: 98	Resp: 576952
Ion Ratio	Lower Upper
98	100
100	64.6 51.7 77.5

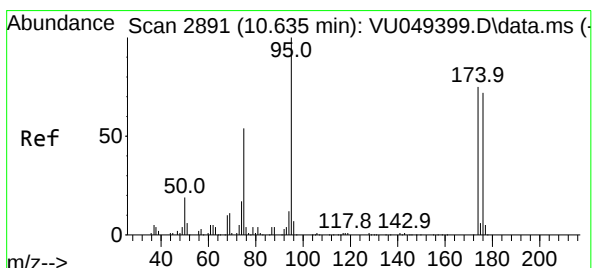
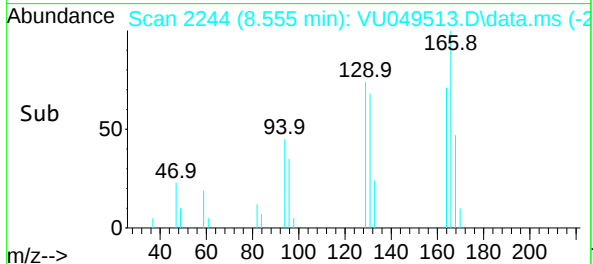
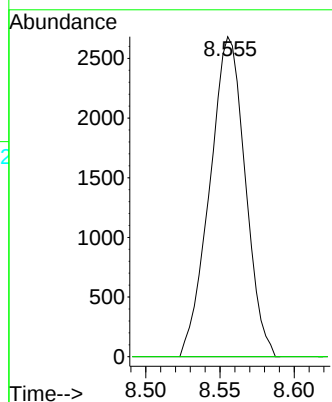
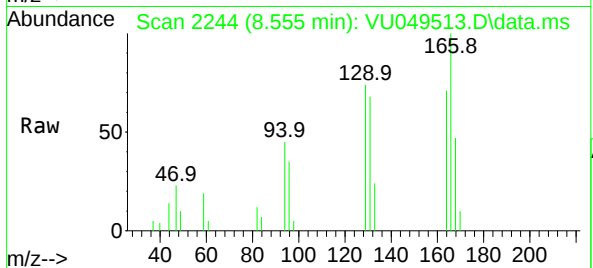




#60
Dibromochloromethane
Concen: 1.192 ug/l
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

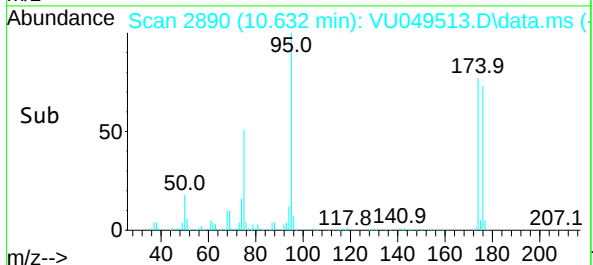
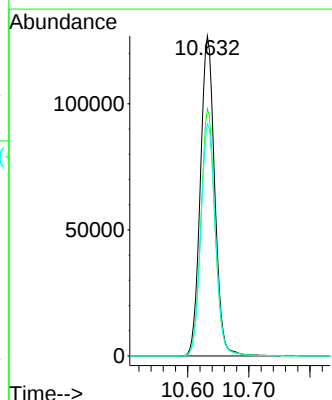
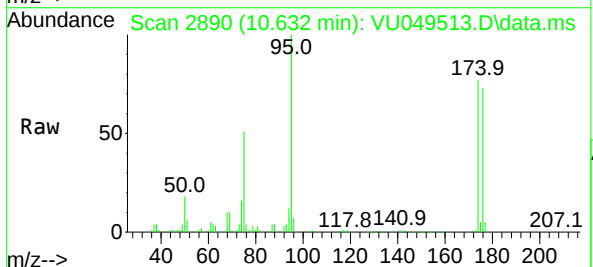
Instrument :
MSVOA_U
ClientSampleId :

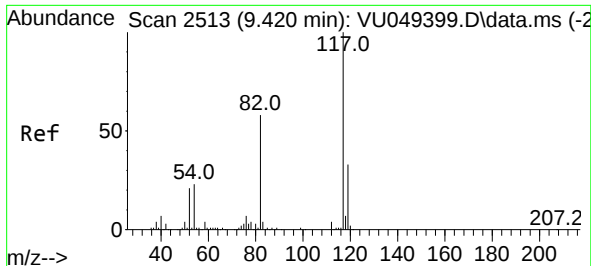
Tgt Ion:129 Resp: 4451
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 45.379 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

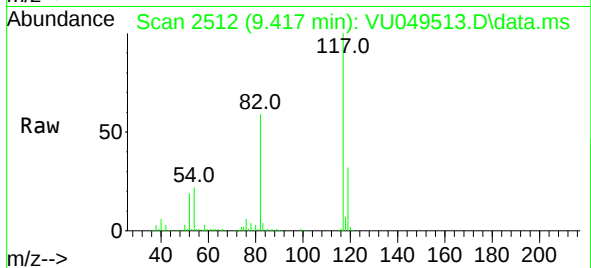
Tgt Ion: 95 Resp: 206911
Ion Ratio Lower Upper
95 100
174 76.3 0.0 182.0
176 73.6 0.0 177.8



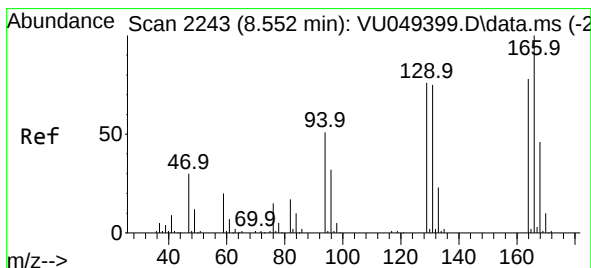
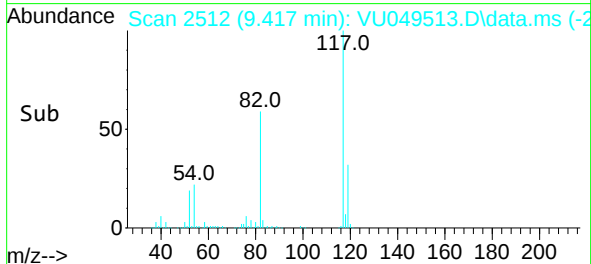
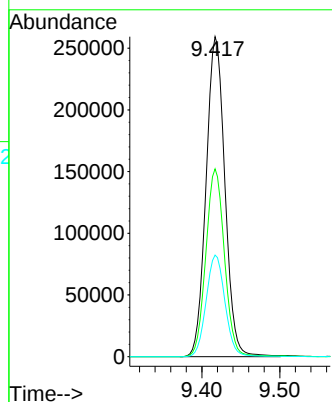


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

Instrument :
MSVOA_U
ClientSampleId :

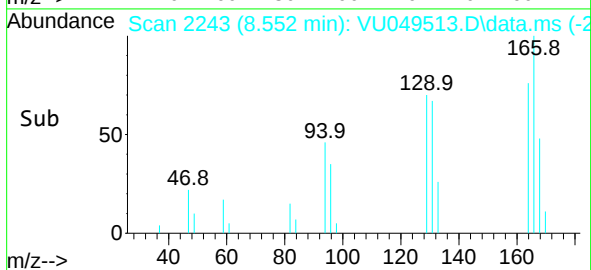
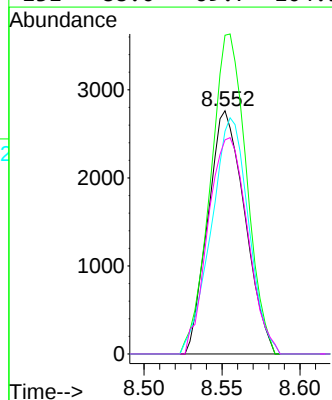
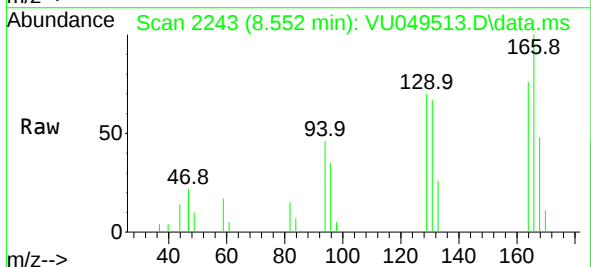


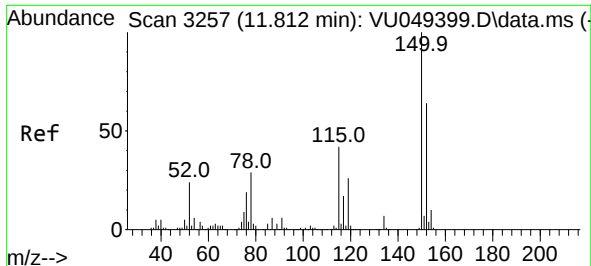
Tgt Ion:117 Resp: 435524
Ion Ratio Lower Upper
117 100
82 58.7 41.7 62.5
119 31.8 25.7 38.5



#64
Tetrachloroethene
Concen: 1.620 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

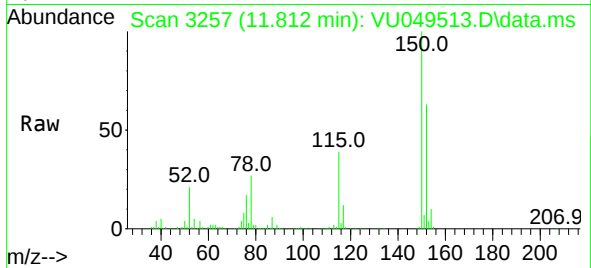
Tgt Ion:164 Resp: 4525
Ion Ratio Lower Upper
164 100
166 131.0 100.0 150.0
129 91.6 72.0 108.0
131 88.0 69.7 104.5



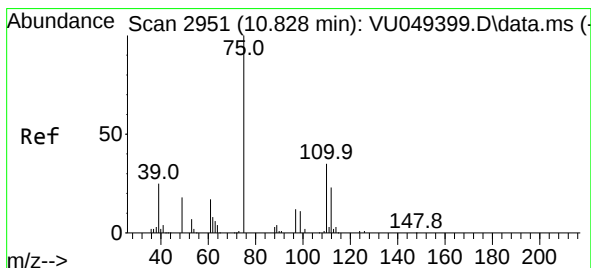
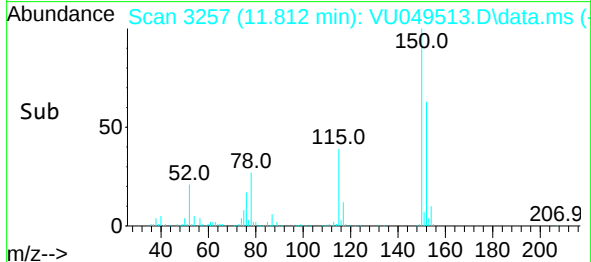
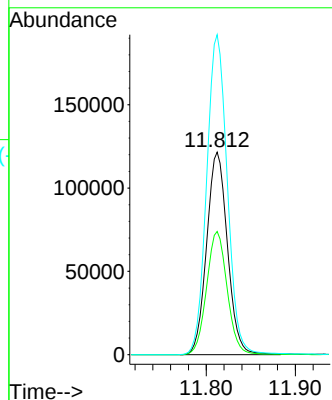


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049513.D
 Acq: 29 Jun 2022 15:24

Instrument :
 MSVOA_U
 ClientSampleId :

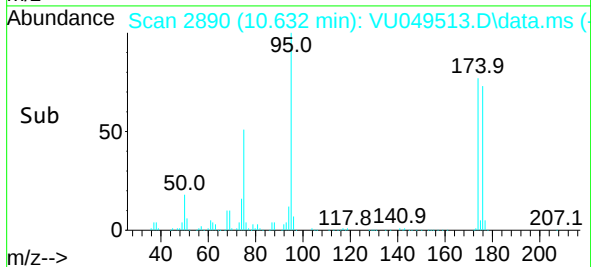
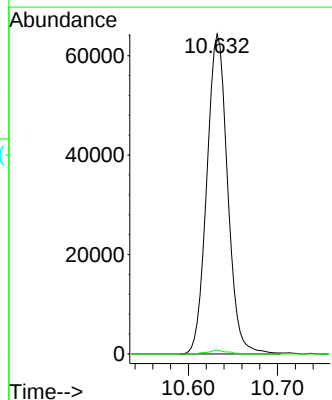
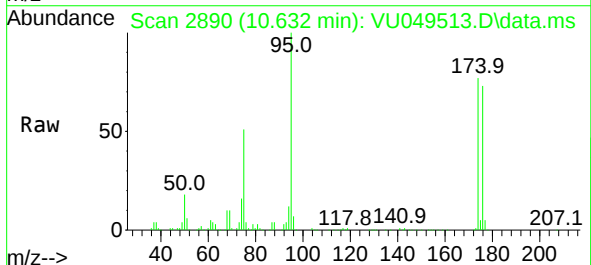


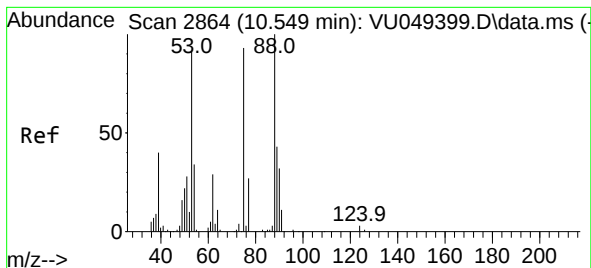
Tgt Ion:152 Resp: 196853
 Ion Ratio Lower Upper
 152 100
 115 60.4 37.0 110.9
 150 156.8 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.588 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049513.D
 Acq: 29 Jun 2022 15:24

Tgt Ion: 75 Resp: 104019
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

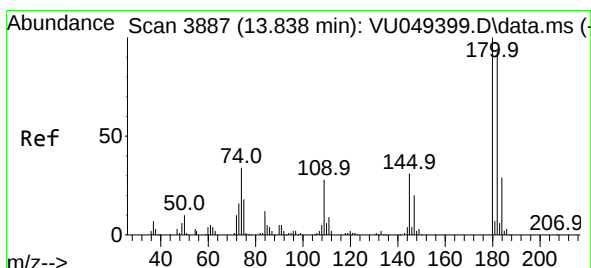
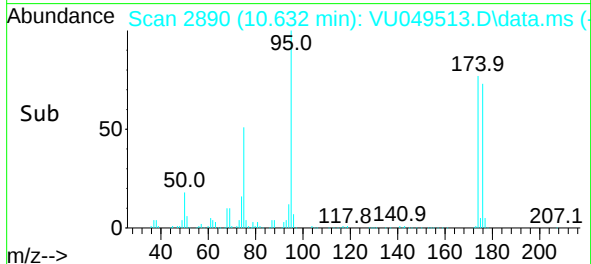
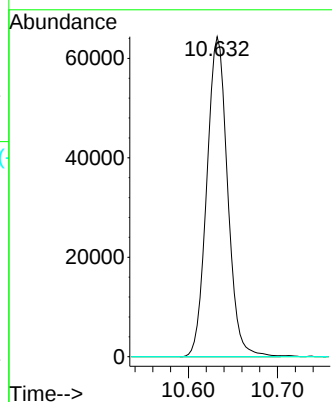
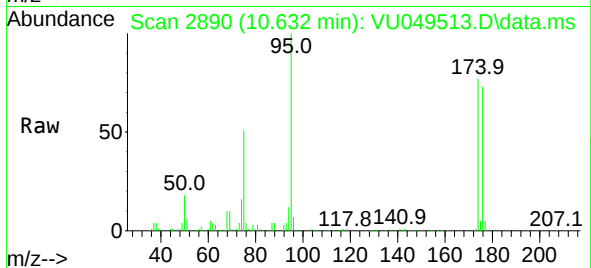




#81
trans-1,4-Dichloro-2-butene
Concen: 57.564 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

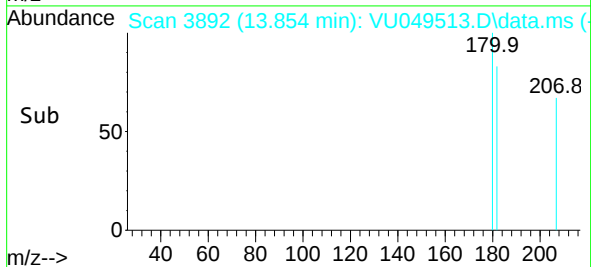
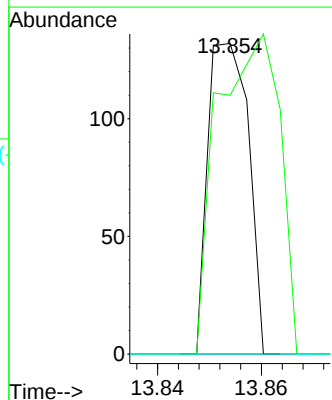
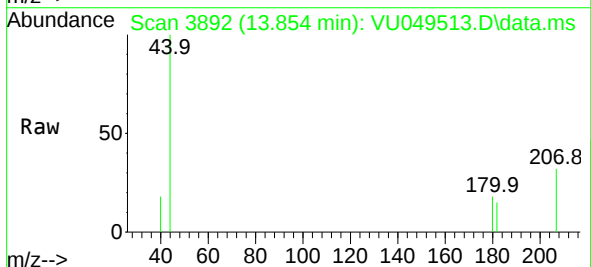
Instrument :
MSVOA_U
ClientSampleId :

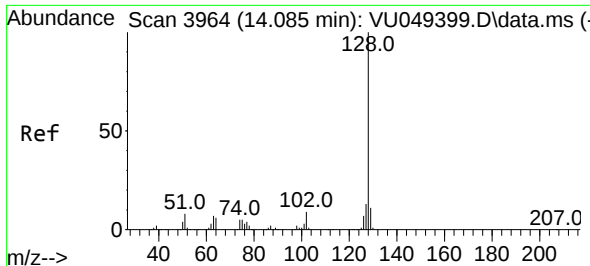
Tgt Ion: 75 Resp: 104019
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.770 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

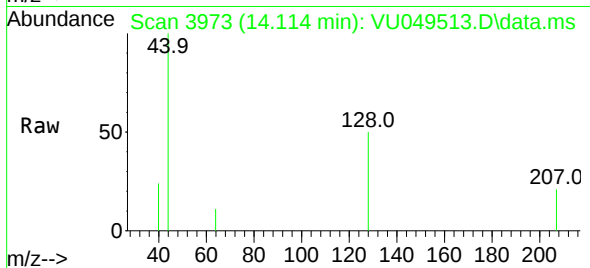
Tgt Ion:180 Resp: 72
Ion Ratio Lower Upper
180 100
182 156.9 47.9 143.6#
145 0.0 14.0 41.9#



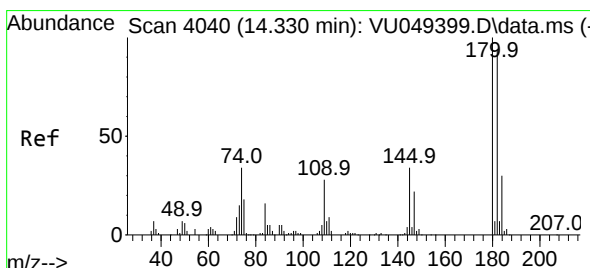
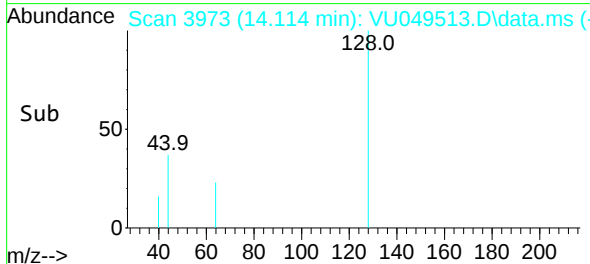
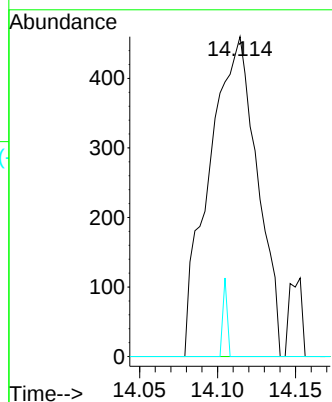


#95
Naphthalene
Concen: 1.798 ug/l
RT: 14.114 min Scan# 3964
Delta R.T. 0.029 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 985
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 2.2 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.199 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049513.D
Acq: 29 Jun 2022 15:24

Tgt Ion:180 Resp: 104
Ion Ratio Lower Upper
180 100
182 63.5 48.4 145.0
145 0.0 14.8 44.4#

