

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049488.D
 Acq On : 29 Jun 2022 03:22
 Operator : SY/MD
 Sample : N3457-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE134D4-20220616

Quant Time: Jun 29 05:25:49 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)

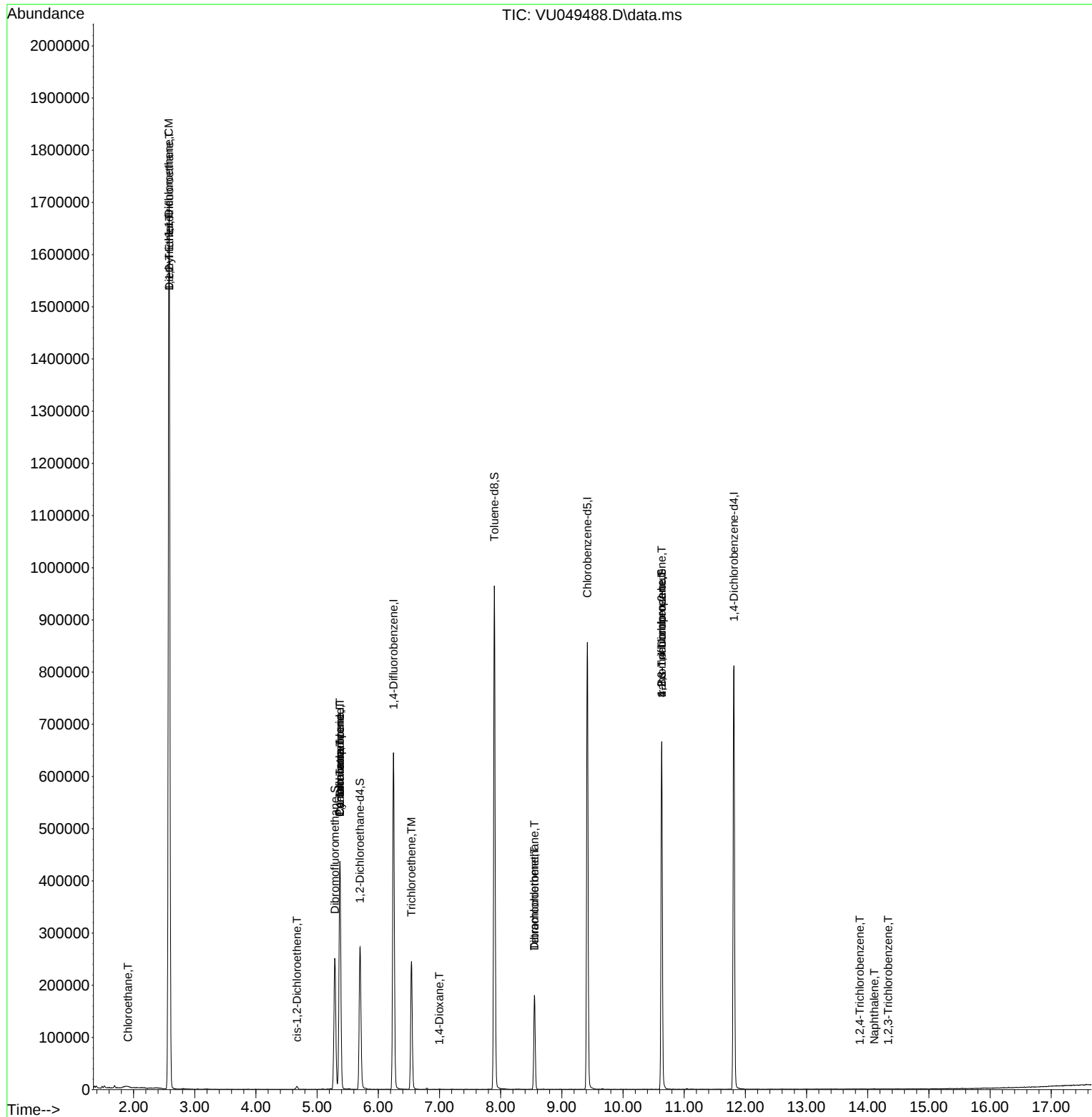
Internal Standards						
1) Pentafluorobenzene	5.372	168	306349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	527139	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	473522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	219418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	206147	43.694	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.380%
35) Dibromofluoromethane	5.288	113	166694	45.199	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.400%
50) Toluene-d8	7.896	98	637879	48.493	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.980%
62) 4-Bromofluorobenzene	10.632	95	230656	45.775	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.560%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	3469	Below Cal		89
6) Chloroethane	1.909	64	62	1.941 ug/l #		44
8) Diethyl Ether	2.581	74	584	0.256 ug/l #		5
9) 1,1,2-Trichlorotrifluo...	2.581	101	679794	200.029 ug/l		95
12) 1,1-Dichloroethene	2.575	96	4546	1.366 ug/l #		79
20) Methylene Chloride	3.047	84	145	Below Cal #		79
27) cis-1,2-Dichloroethene	4.671	96	3322	0.802 ug/l		86
31) Cyclohexane	5.372	56	6505	0.918 ug/l #		10
36) 1,1-Dichloropropene	5.372	75	24880	4.653 ug/l #		49
38) Carbon Tetrachloride	5.372	117	30636	5.463 ug/l #		16
44) Trichloroethene	6.542	130	82457	21.484 ug/l		88
49) 1,4-Dioxane	6.999	88	499	3.882 ug/l #		66
60) Dibromochloromethane	8.552	129	39382	9.545 ug/l #		11
64) Tetrachloroethene	8.552	164	40126	13.212 ug/l		94
76) 1,2,3-Trichloropropane	10.632	75	115187	15.486 ug/l #		45
81) trans-1,4-Dichloro-2-b...	10.632	75	115187	57.188 ug/l #		15
93) 1,2,4-Trichlorobenzene	13.870	180	46	1.763 ug/l #		12
95) Naphthalene	14.108	128	896	1.786 ug/l #		69
96) 1,2,3-Trichlorobenzene	14.336	180	41	1.185 ug/l #		1

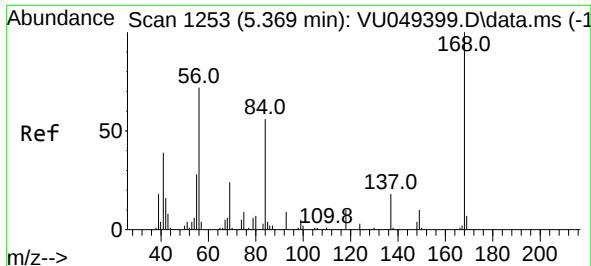
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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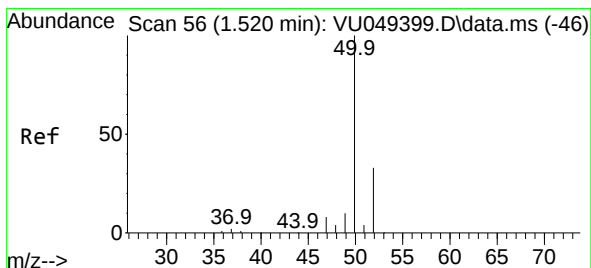
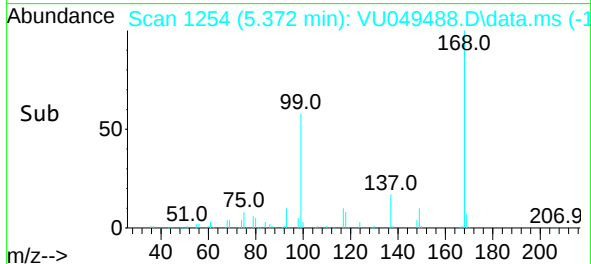
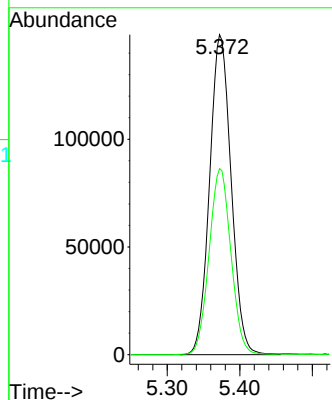
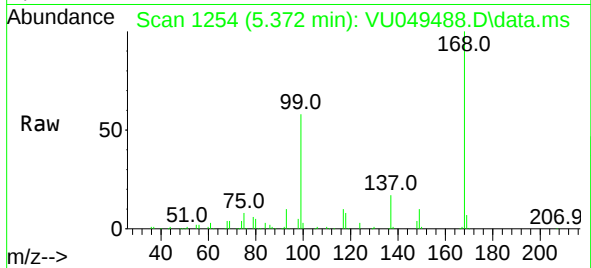




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

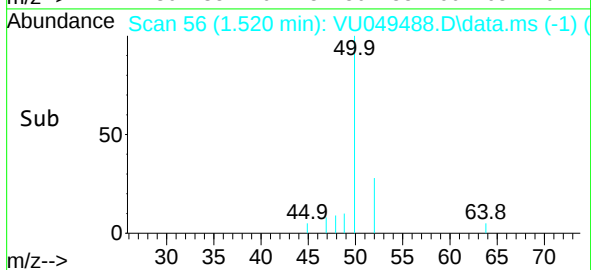
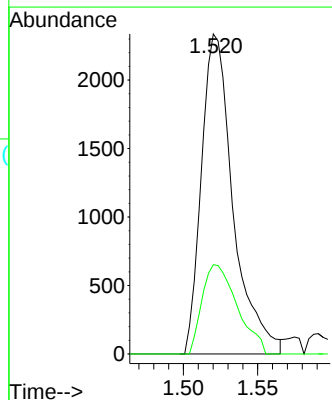
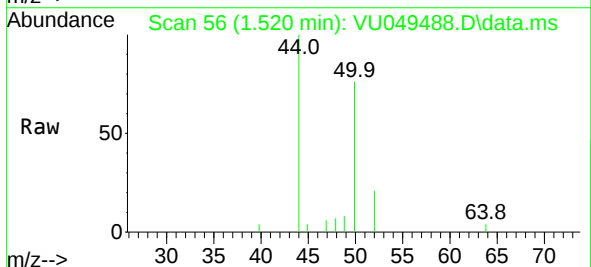
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20220616

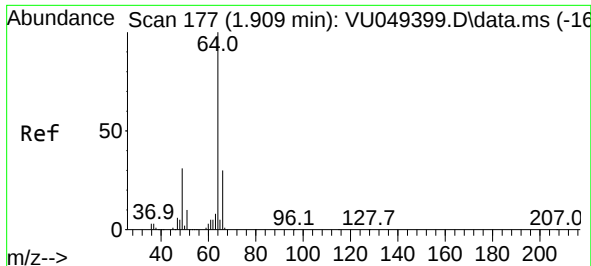
Tgt Ion:168 Resp: 306349
Ion Ratio Lower Upper
168 100
99 58.0 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Tgt Ion: 50 Resp: 3469
Ion Ratio Lower Upper
50 100
52 27.9 27.4 41.2

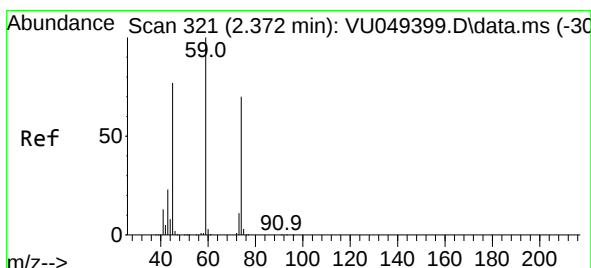
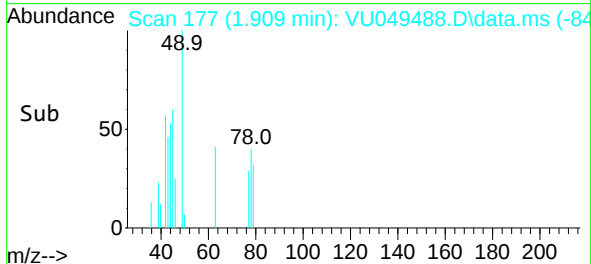
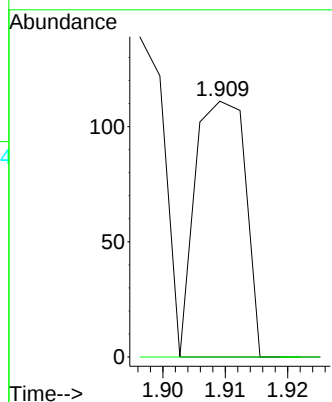
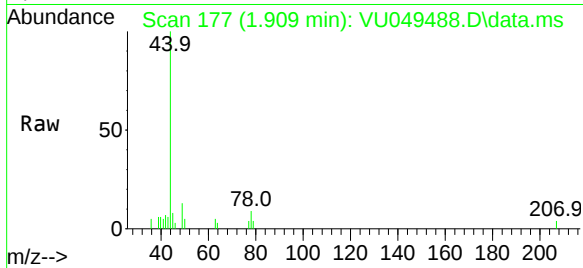




#6
Chloroethane
Concen: 1.941 ug/l
RT: 1.909 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

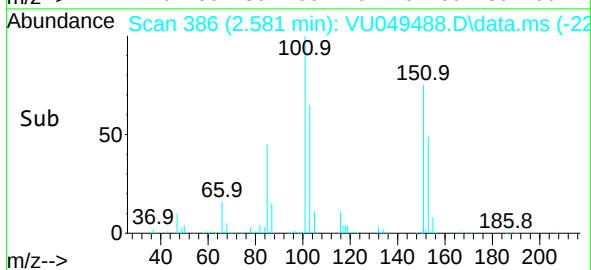
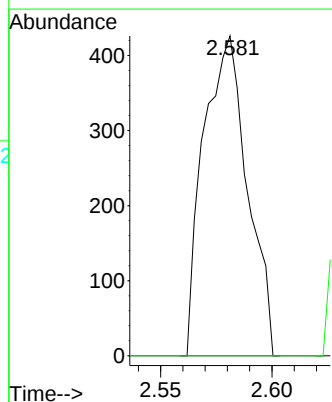
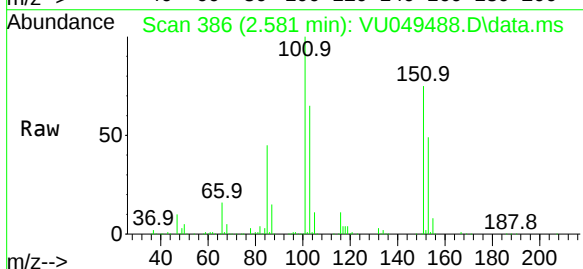
Instrument :
MSVOA_U
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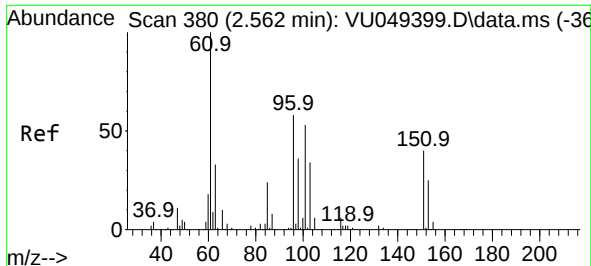
Tgt Ion: 64 Resp: 62
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#8
Diethyl Ether
Concen: 0.256 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.209 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Tgt Ion: 74 Resp: 584
Ion Ratio Lower Upper
74 100
45 0.0 44.4 133.2#

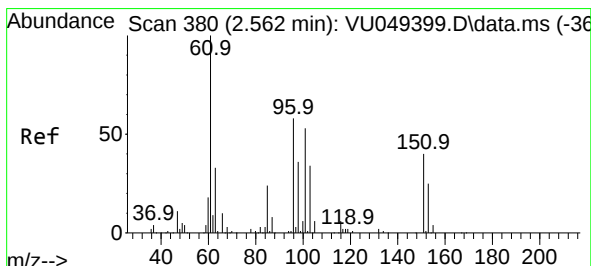
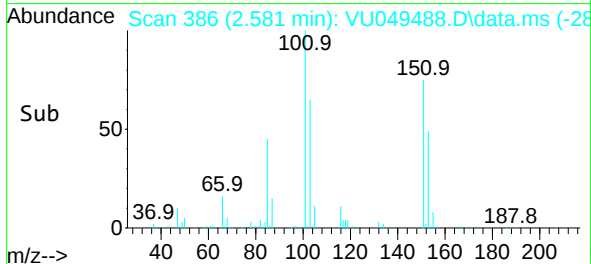
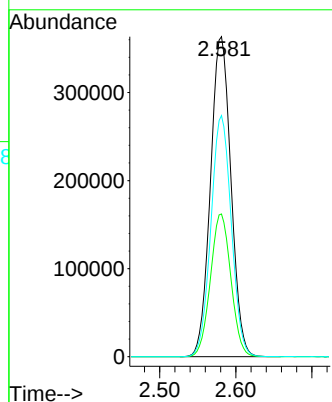
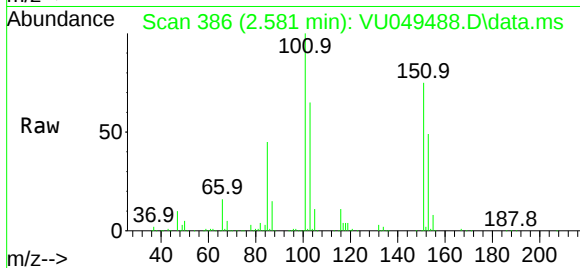




#9
1,1,2-Trichlorotrifluoroethane
Concen: 200.029 ug/l
RT: 2.581 min Scan# 31
Delta R.T. 0.019 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

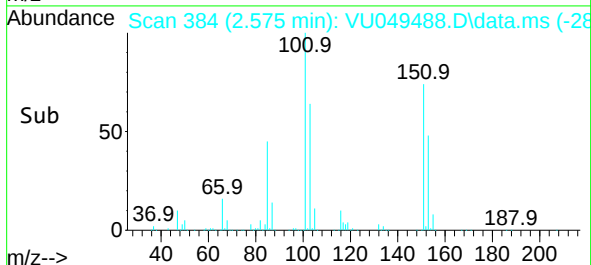
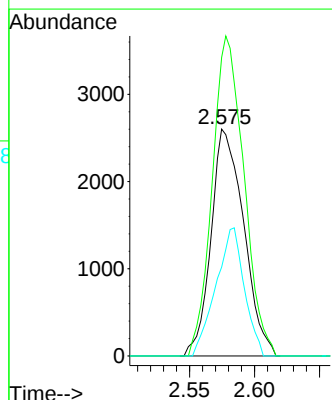
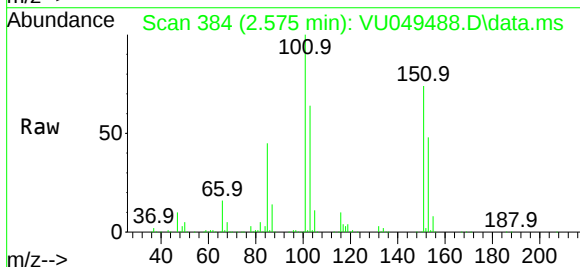
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20220616

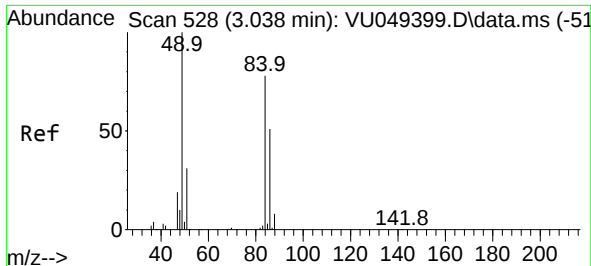
Tgt Ion:101 Resp: 679794
Ion Ratio Lower Upper
101 100
85 44.5 33.9 50.9
151 75.1 64.0 96.0



#12
1,1-Dichloroethene
Concen: 1.366 ug/l
RT: 2.575 min Scan# 384
Delta R.T. 0.013 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Tgt Ion: 96 Resp: 4546
Ion Ratio Lower Upper
96 100
61 131.6 122.2 183.2
98 39.1 50.7 76.1#

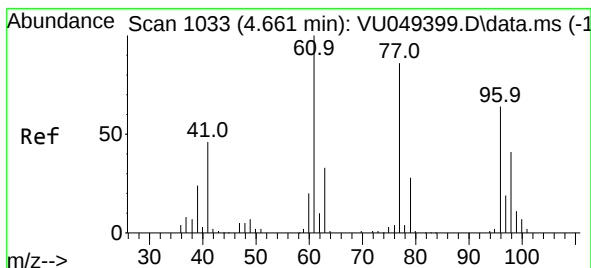
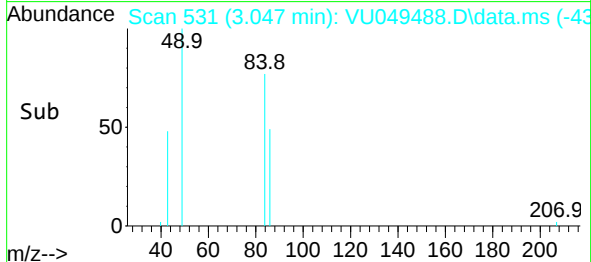
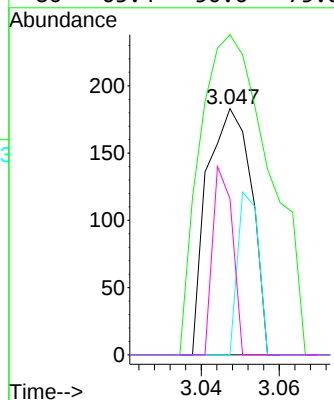
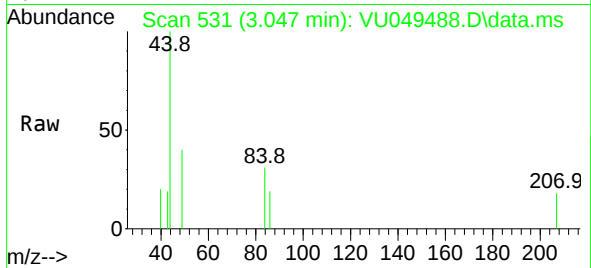




#20
Methylene Chloride
Concen: Below Cal
RT: 3.047 min Scan# 51
Delta R.T. 0.010 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

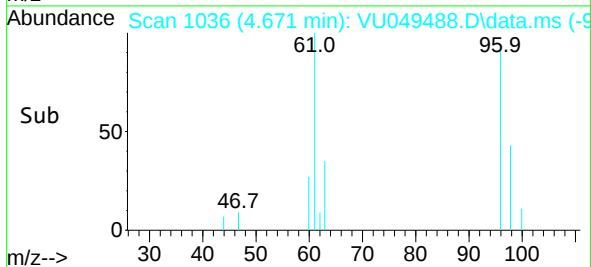
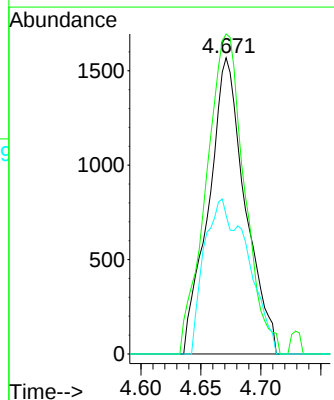
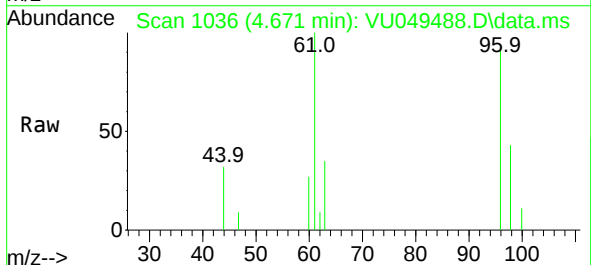
Instrument :
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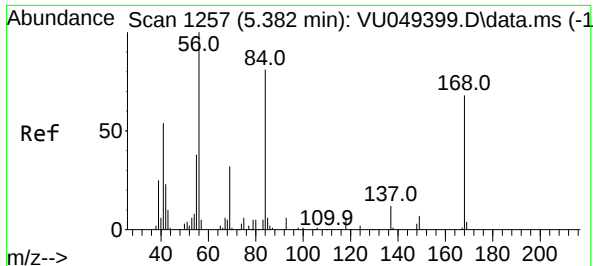
Tgt Ion:	84	Resp:	145
Ion	Ratio	Lower	Upper
84	100		
49	130.1	86.6	129.8#
51	0.0	26.6	40.0#
86	63.4	50.6	75.8



#27
cis-1,2-Dichloroethene
Concen: 0.802 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.010 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Tgt Ion:	96	Resp:	3322
Ion	Ratio	Lower	Upper
96	100		
61	113.0	0.0	271.6
98	62.4	0.0	128.2





#31

Cyclohexane

Concen: 0.918 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU049488.D

Acq: 29 Jun 2022 03:22

Instrument :

MSVOA_U

ClientSampleId :

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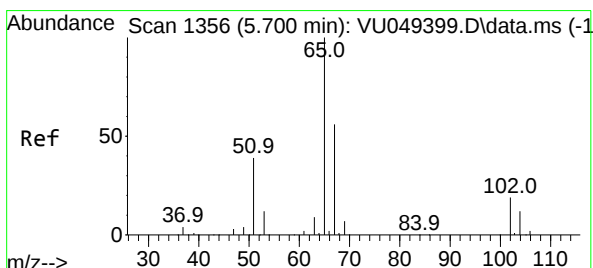
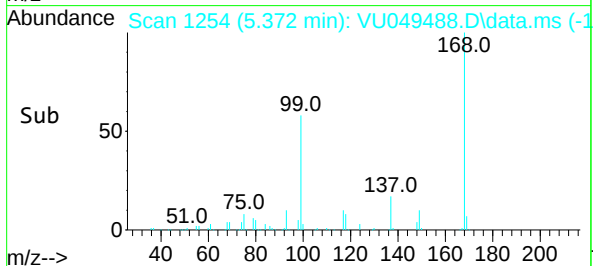
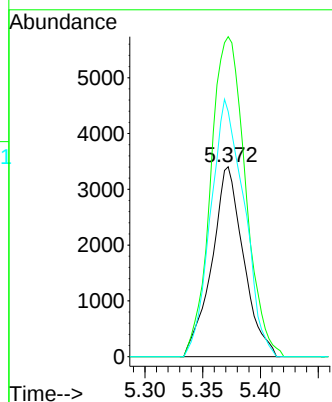
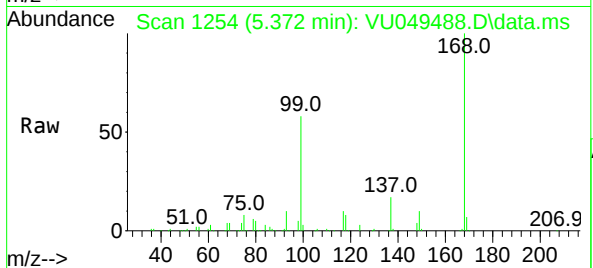
Tgt Ion: 56 Resp: 6505

Ion Ratio Lower Upper

56 100

69 168.5 27.8 41.8#

84 129.1 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 43.694 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU049488.D

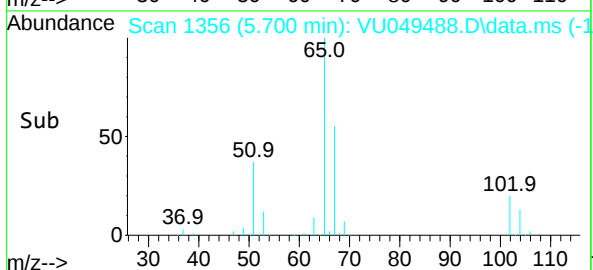
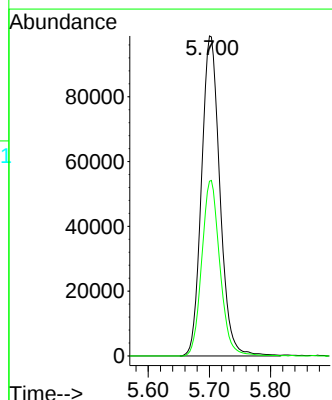
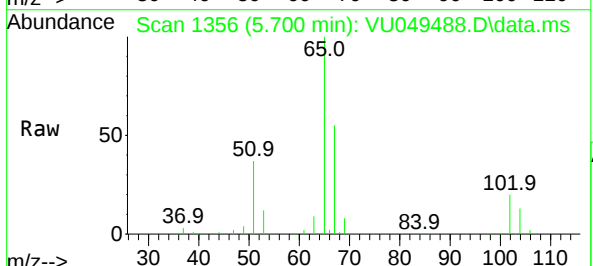
Acq: 29 Jun 2022 03:22

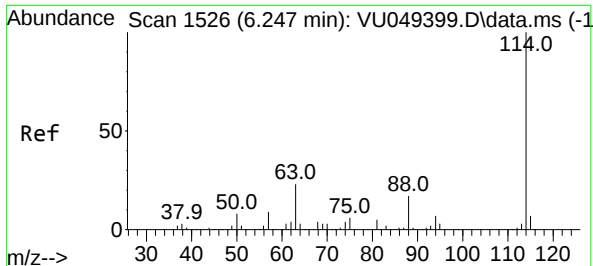
Tgt Ion: 65 Resp: 206147

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049488.D

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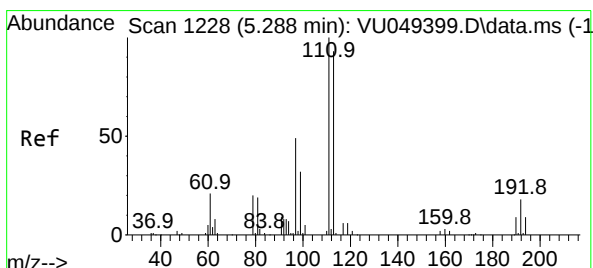
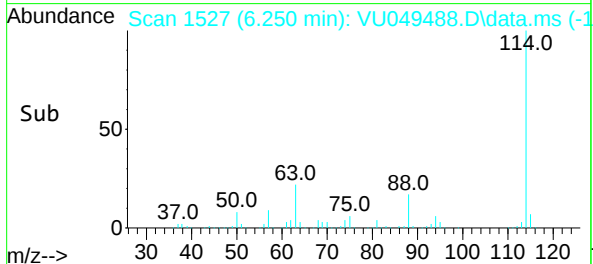
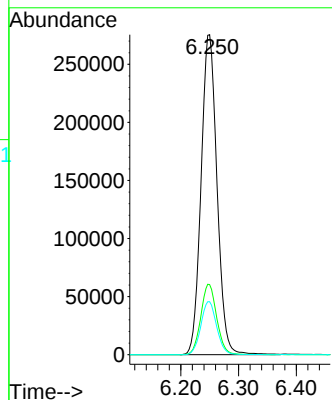
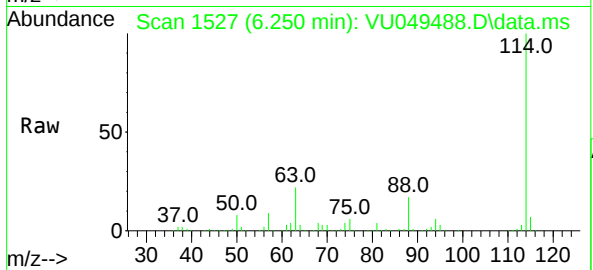
Tgt Ion:114 Resp: 527139

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.5 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.199 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049488.D

Acq: 29 Jun 2022 03:22

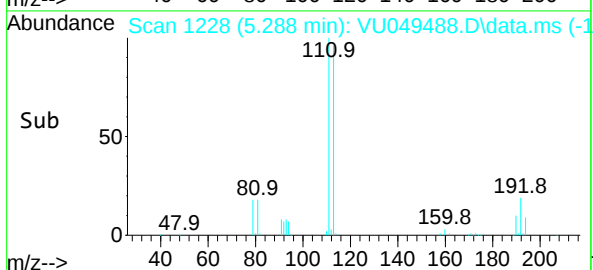
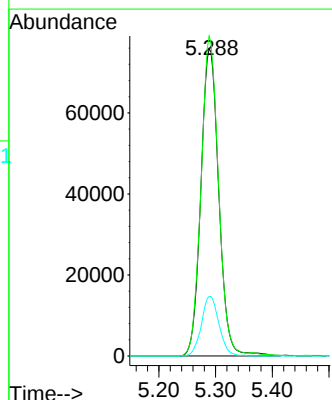
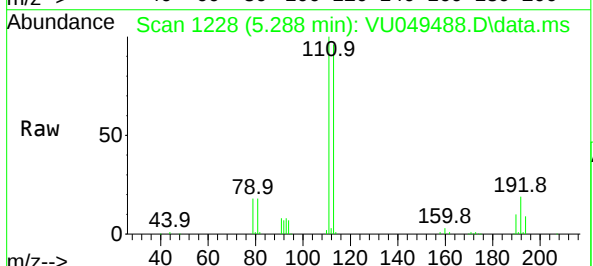
Tgt Ion:113 Resp: 166694

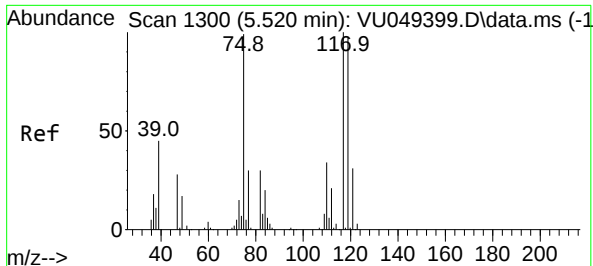
Ion Ratio Lower Upper

113 100

111 101.1 82.1 123.1

192 18.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.653 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049488.D

Acq: 29 Jun 2022 03:22

Instrument :

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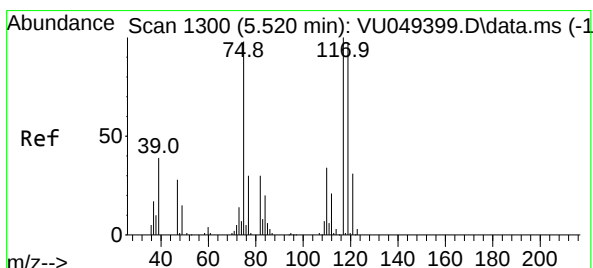
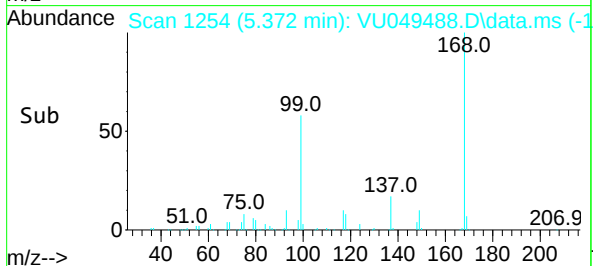
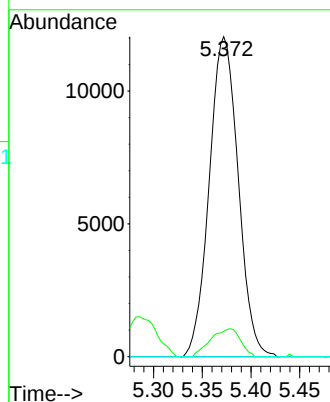
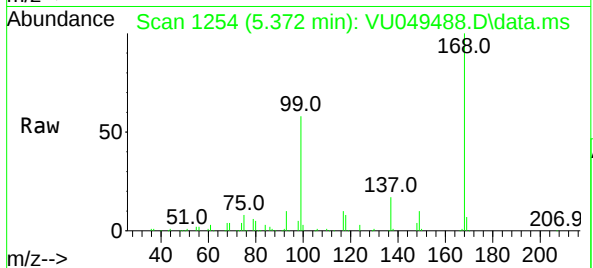
Tgt Ion: 75 Resp: 24880

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.463 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049488.D

Acq: 29 Jun 2022 03:22

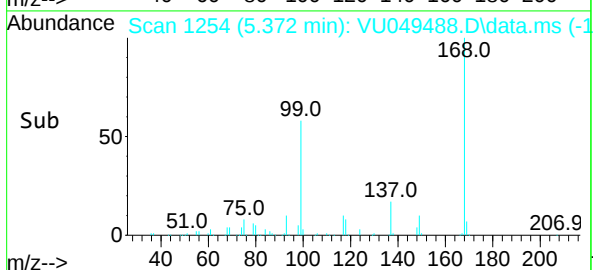
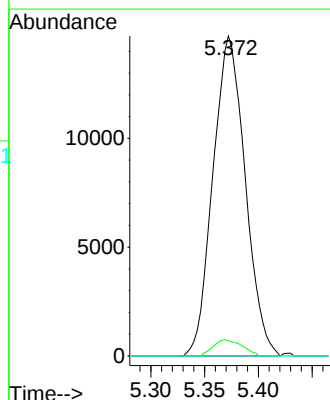
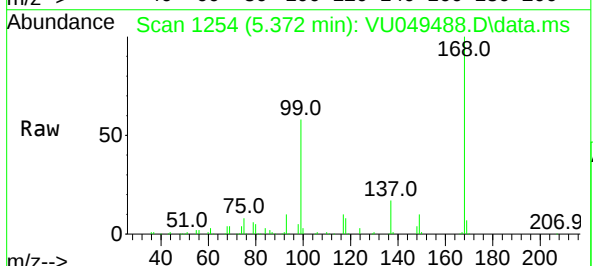
Tgt Ion: 117 Resp: 30636

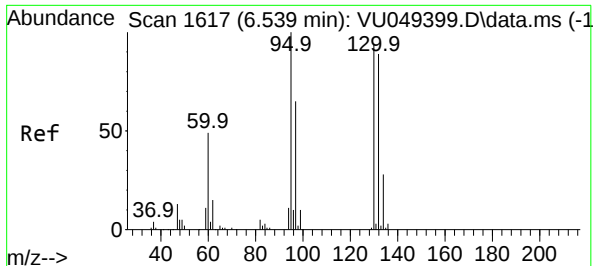
Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

121 0.0 24.7 37.1#

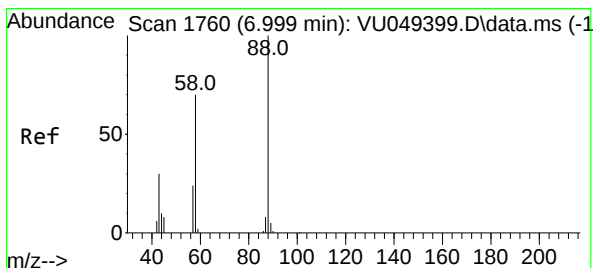
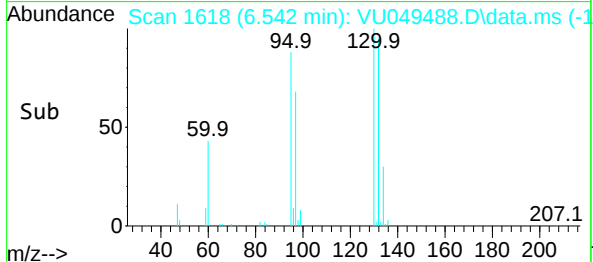
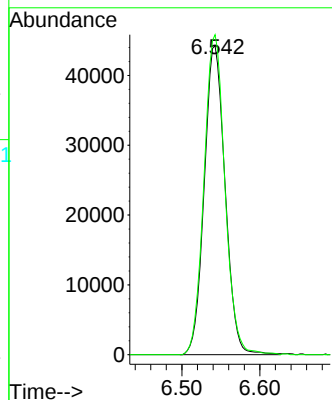
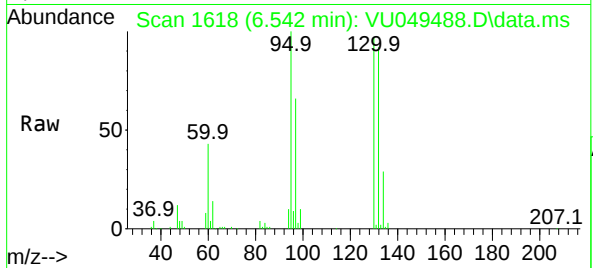




#44
Trichloroethene
Concen: 21.484 ug/l
RT: 6.542 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

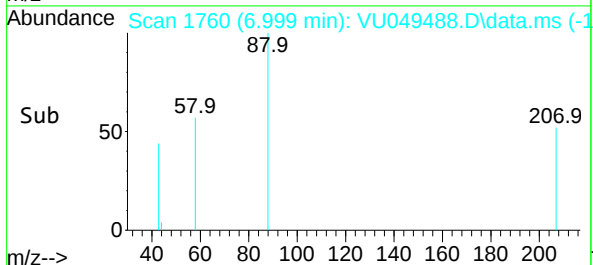
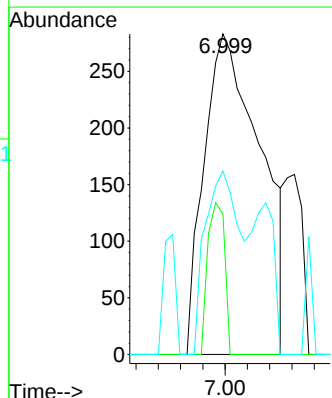
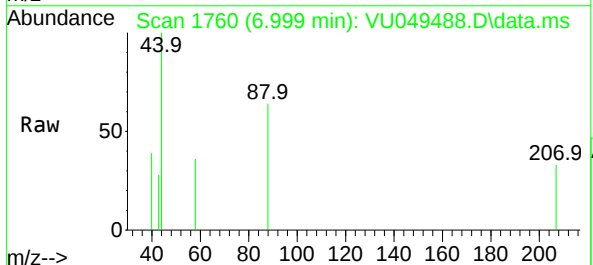
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20220616

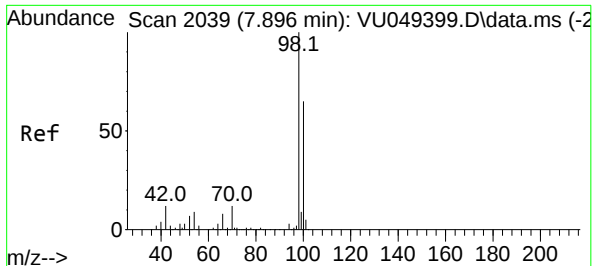
Tgt Ion:130 Resp: 82457
Ion Ratio Lower Upper
130 100
95 103.6 0.0 184.6



#49
1,4-Dioxane
Concen: 3.882 ug/l
RT: 6.999 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Tgt Ion: 88 Resp: 499
Ion Ratio Lower Upper
88 100
43 14.0 0.0 0.0#
58 34.7 15.4 23.0#

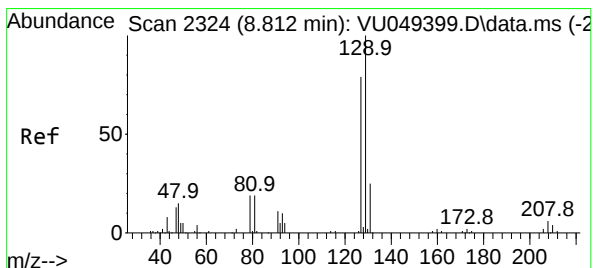
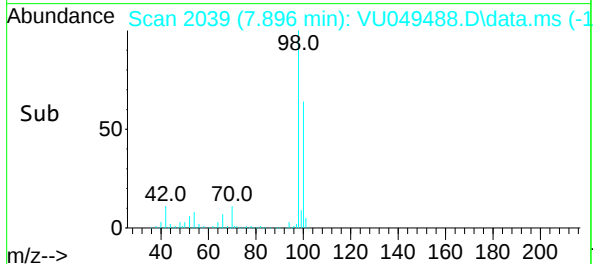
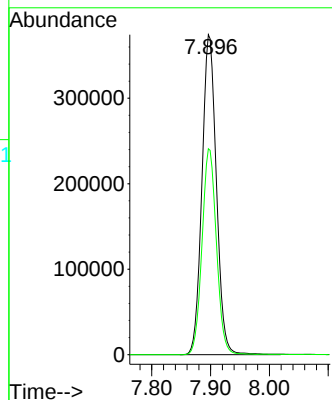
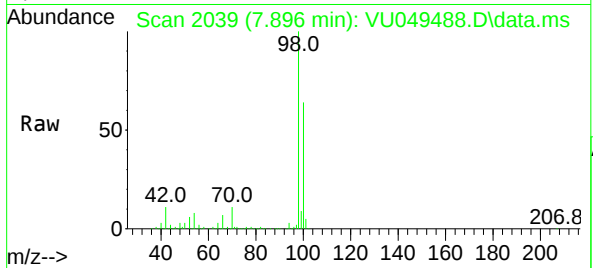




#50
Toluene-d8
Concen: 48.493 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

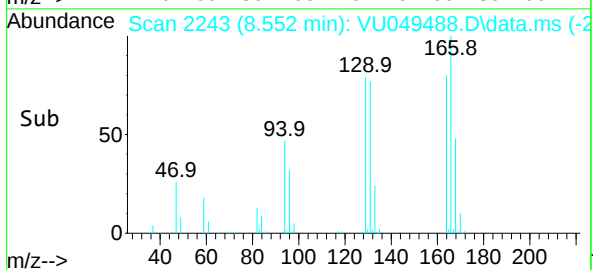
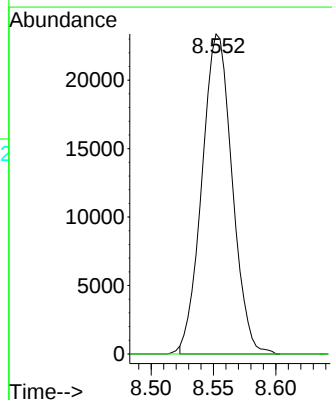
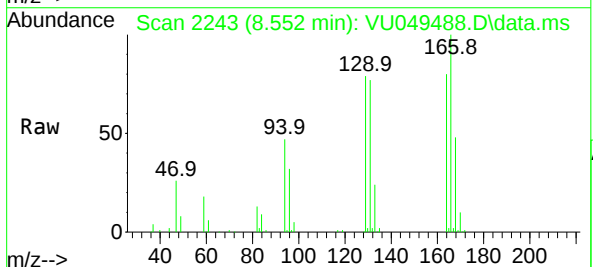
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20220616

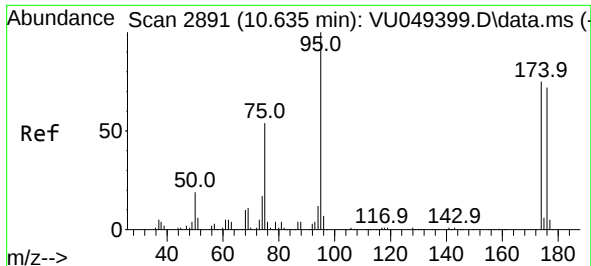
Tgt Ion: 98 Resp: 637879
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#60
Dibromochloromethane
Concen: 9.545 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Tgt Ion: 129 Resp: 39382
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

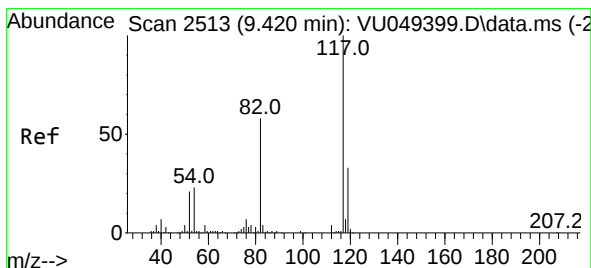
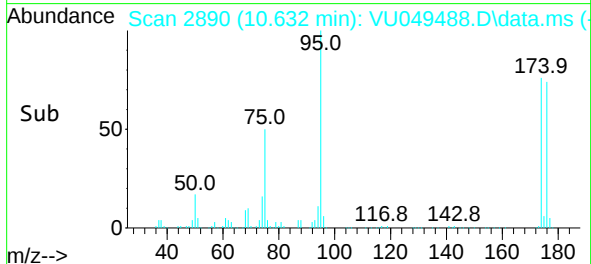
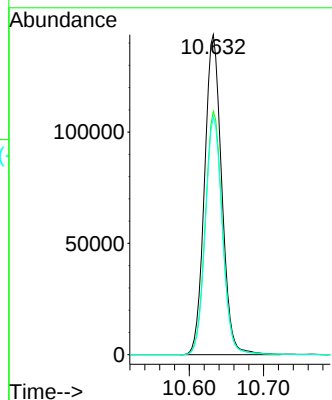
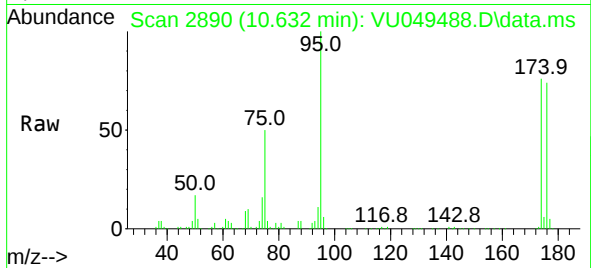




#62
4-Bromofluorobenzene
Concen: 45.775 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

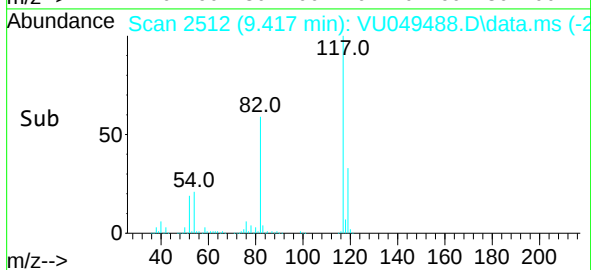
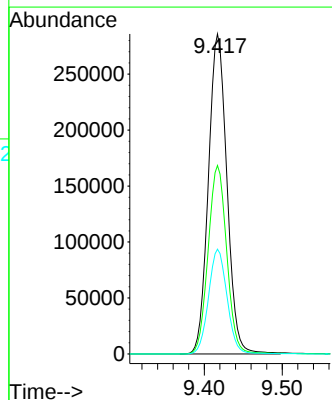
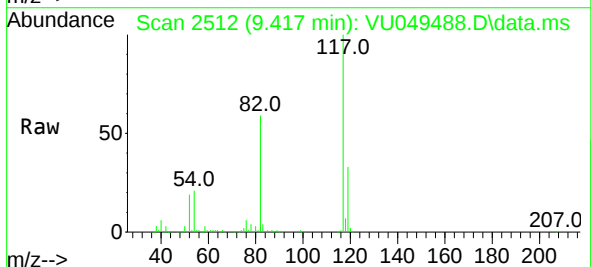
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20220616

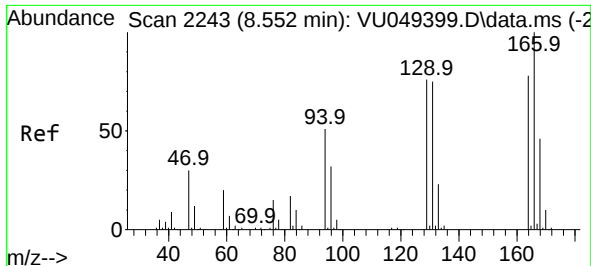
Tgt Ion: 95 Resp: 230656
Ion Ratio Lower Upper
95 100
174 75.8 0.0 182.0
176 73.6 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

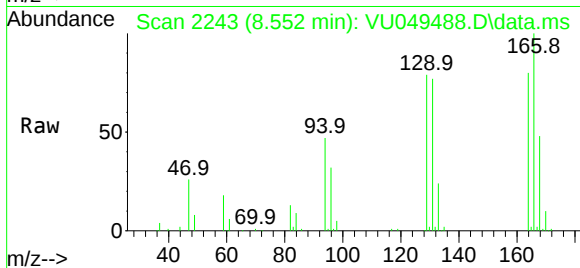
Tgt Ion: 117 Resp: 473522
Ion Ratio Lower Upper
117 100
82 58.9 41.7 62.5
119 32.8 25.7 38.5



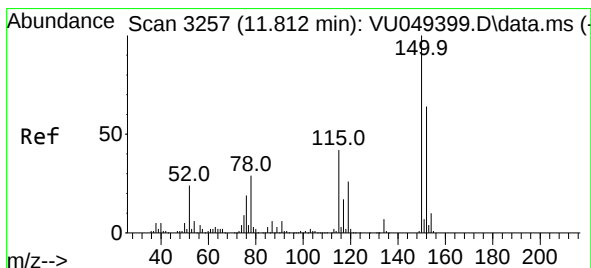
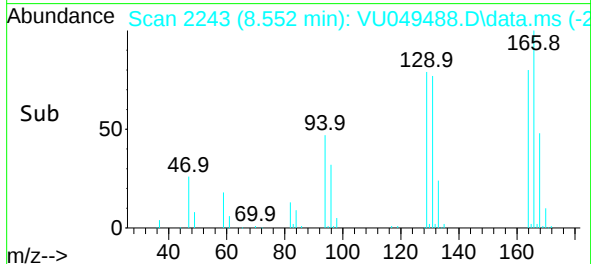
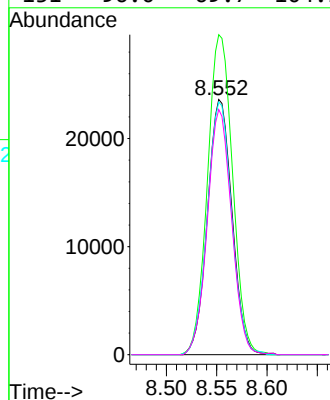


#64
Tetrachloroethene
Concen: 13.212 ug/l
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20220616

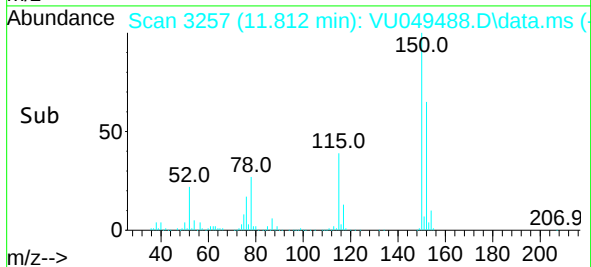
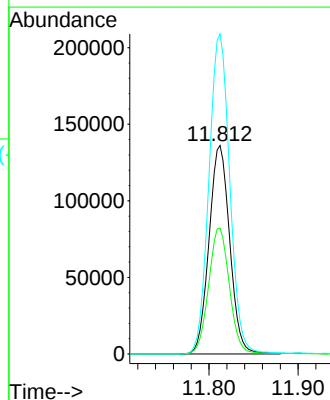
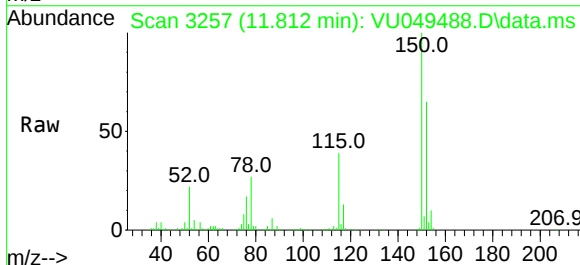


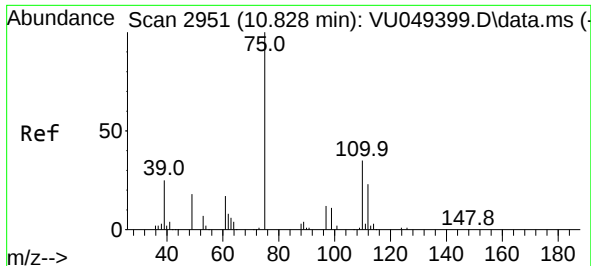
Tgt Ion:	164	Resp:	40126
Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.0	150.0
129	99.0	72.0	108.0
131	96.0	69.7	104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Tgt Ion:	152	Resp:	219418
Ion	Ratio	Lower	Upper
152	100		
115	60.6	37.0	110.9
150	154.7	0.0	342.2

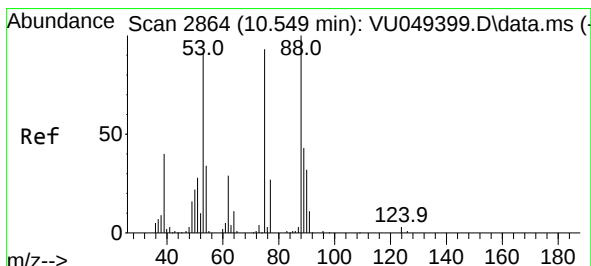
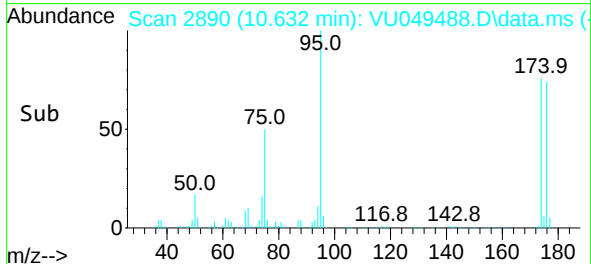
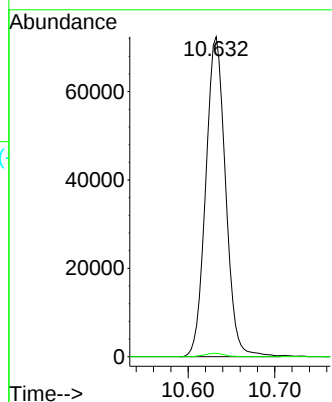
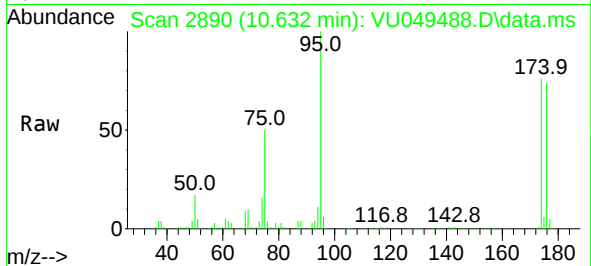




#76
1,2,3-Trichloropropane
Concen: 15.486 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

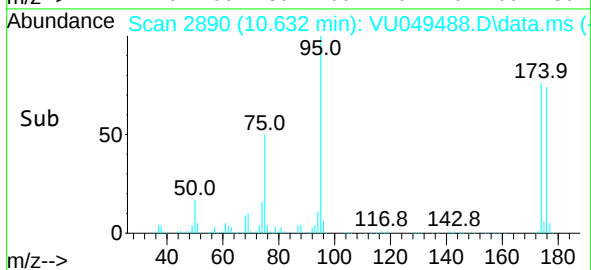
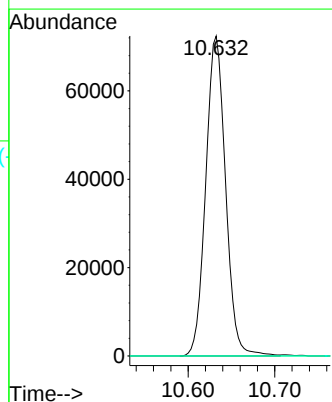
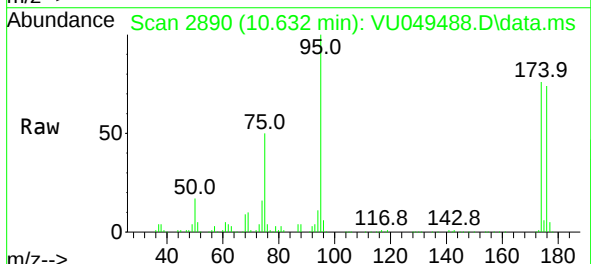
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20220616

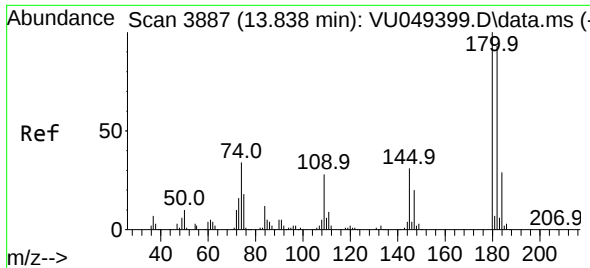
Tgt Ion: 75 Resp: 115187
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.188 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

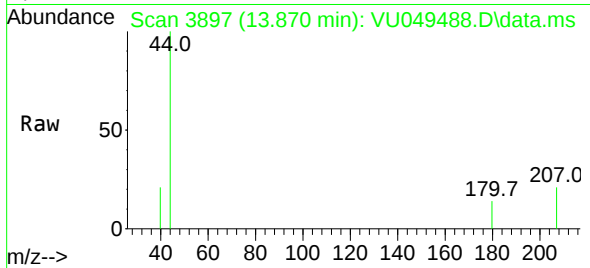
Tgt Ion: 75 Resp: 115187
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



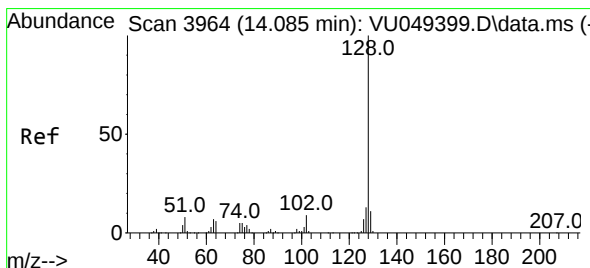
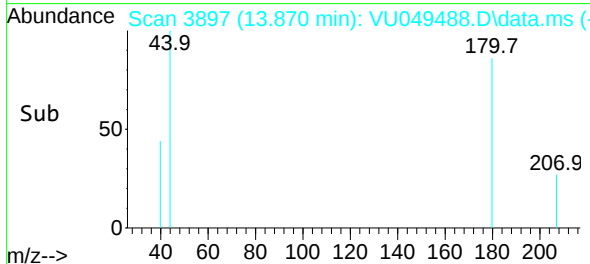
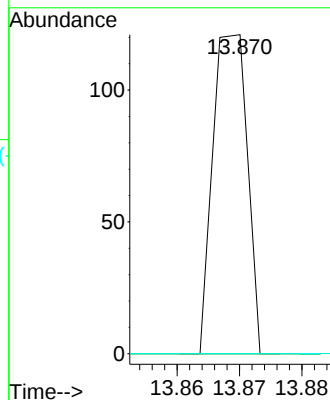


#93
1,2,4-Trichlorobenzene
Concen: 1.763 ug/l
RT: 13.870 min Scan# 3897
Delta R.T. 0.032 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20220616

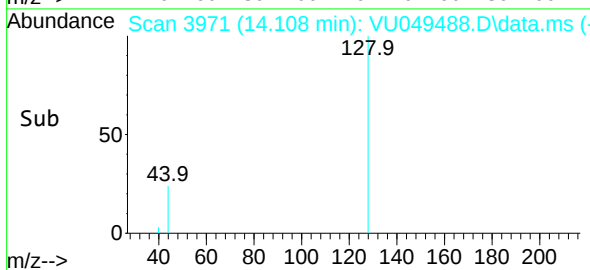
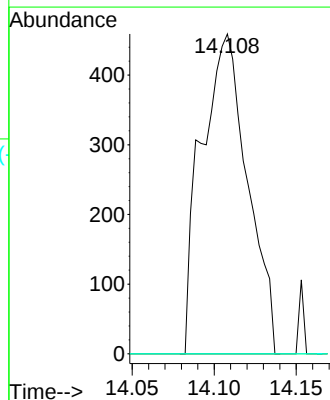
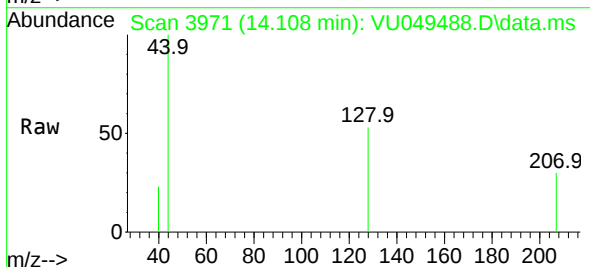


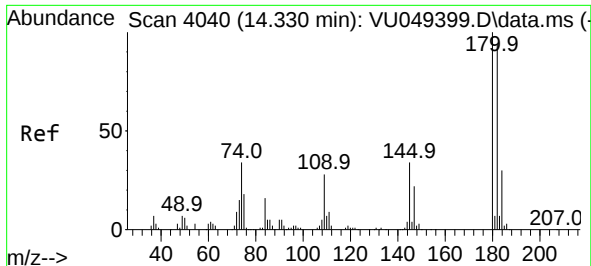
Tgt Ion:180 Resp: 46
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 0.0 14.0 41.9#



#95
Naphthalene
Concen: 1.786 ug/l
RT: 14.108 min Scan# 3971
Delta R.T. 0.023 min
Lab File: VU049488.D
Acq: 29 Jun 2022 03:22

Tgt Ion:128 Resp: 896
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.185 ug/l

RT: 14.336 min Scan# 40

Delta R.T. 0.006 min

Lab File: VU049488.D

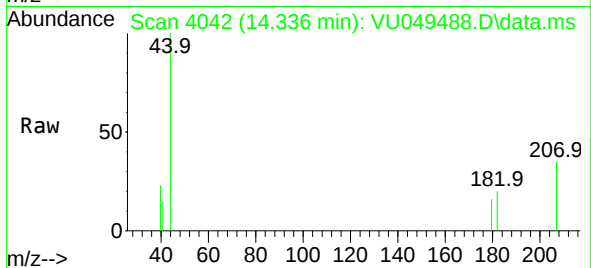
Acq: 29 Jun 2022 03:22

Instrument :

MSVOA_U

ClientSampleId :

RE134D4-20220616



Tgt Ion:180 Resp: 41

Ion Ratio Lower Upper

180 100

182 236.6 48.4 145.0#

145 0.0 14.8 44.4#

