

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
 Data File : VU049560.D
 Acq On : 30 Jun 2022 13:58
 Operator : SY/MD
 Sample : N3458-03DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE122D2-20220621DL

Quant Time: Jul 01 05:25:05 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)

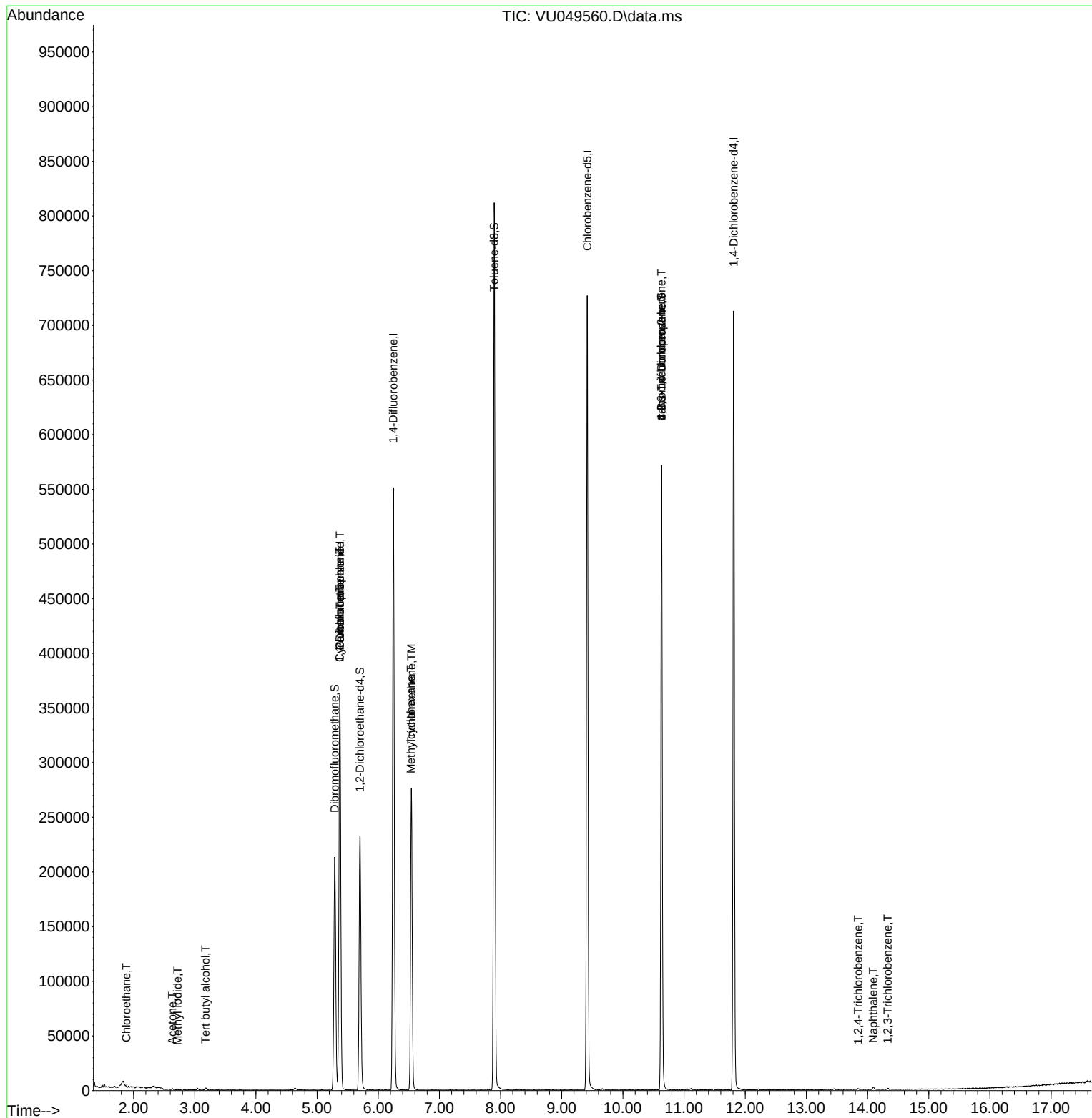
Internal Standards						
1) Pentafluorobenzene	5.372	168	250459	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	440831	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	401768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	187076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	173526	44.987	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.980%
35) Dibromofluoromethane	5.288	113	139451	45.215	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.440%
50) Toluene-d8	7.896	98	535405	48.671	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.340%
62) 4-Bromofluorobenzene	10.632	95	193713	45.970	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.940%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	2420	Below Cal	#	85
6) Chloroethane	1.883	64	68	1.950	ug/l #	44
10) Methyl Iodide	2.719	142	66	7.533	ug/l #	43
11) Tert butyl alcohol	3.176	59	1458	1.615	ug/l #	37
16) Acetone	2.636	43	891	0.458	ug/l #	80
20) Methylene Chloride	3.044	84	724	Below Cal	#	81
31) Cyclohexane	5.369	56	5106	0.882	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	20618	4.610	ug/l #	48
38) Carbon Tetrachloride	5.372	117	25542	5.446	ug/l #	15
39) Methylcyclohexane	6.536	83	1162	0.217	ug/l #	1
44) Trichloroethene	6.542	130	92730	28.891	ug/l	90
76) 1,2,3-Trichloropropane	10.632	75	99840	15.743	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	99840	58.138	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.844	180	533	1.877	ug/l #	73
95) Naphthalene	14.092	128	3189	1.946	ug/l #	80
96) 1,2,3-Trichlorobenzene	14.330	180	468	1.283	ug/l #	85

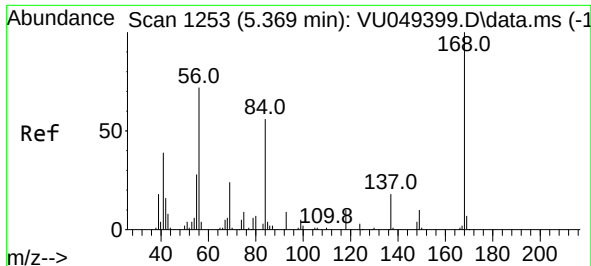
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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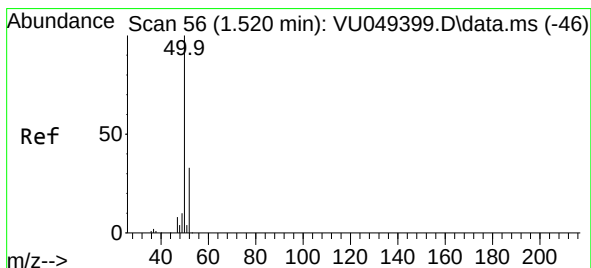
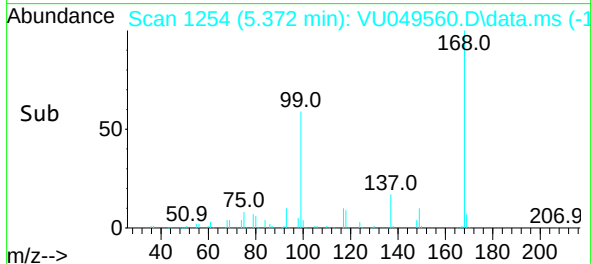
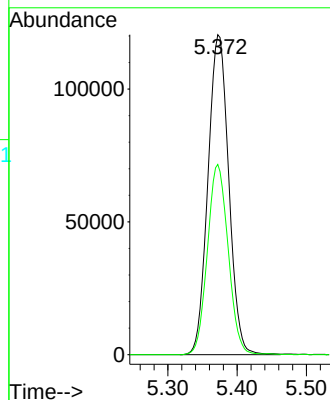
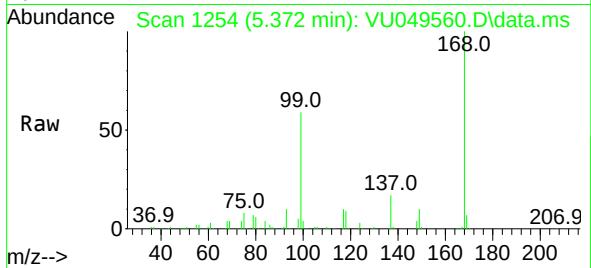




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

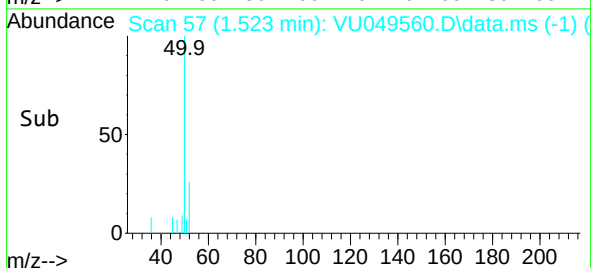
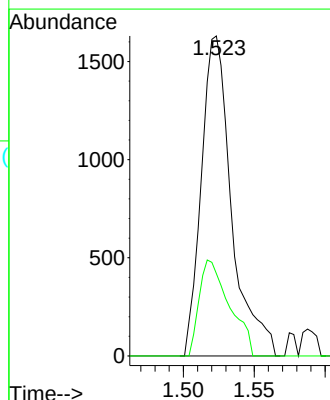
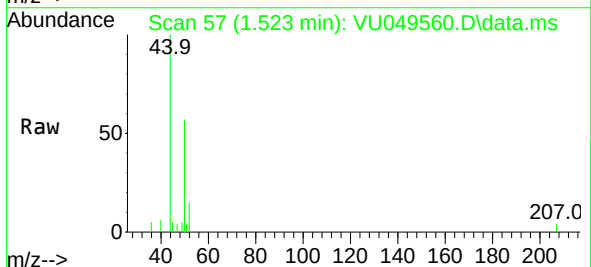
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621DL

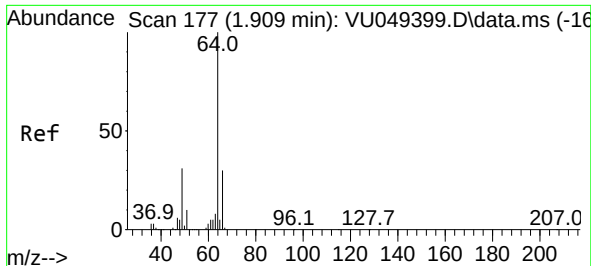
Tgt Ion:168 Resp: 250459
Ion Ratio Lower Upper
168 100
99 59.5 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Tgt Ion: 50 Resp: 2420
Ion Ratio Lower Upper
50 100
52 25.8 27.4 41.2#

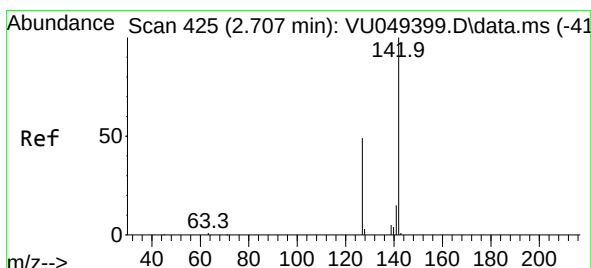
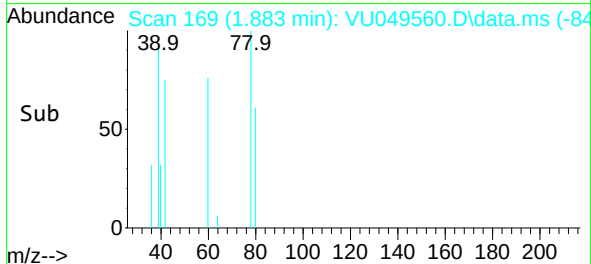
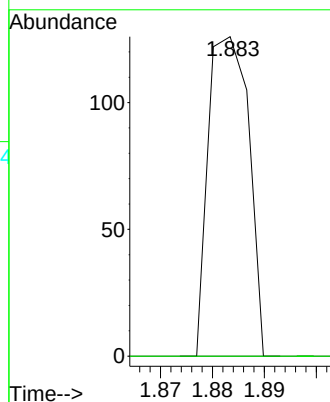
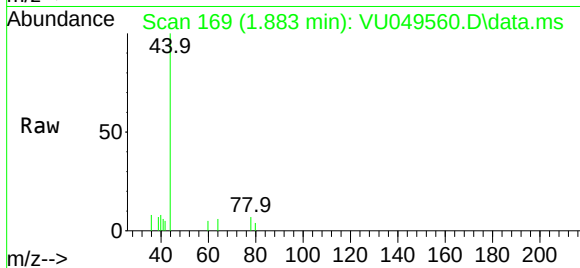




#6
Chloroethane
Concen: 1.950 ug/l
RT: 1.883 min Scan# 1
Delta R.T. -0.026 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

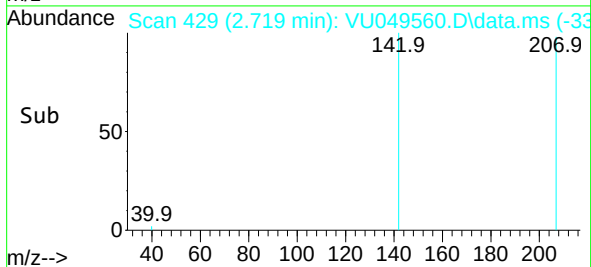
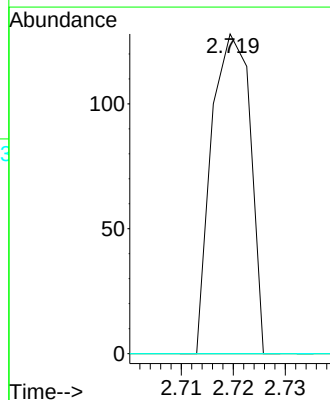
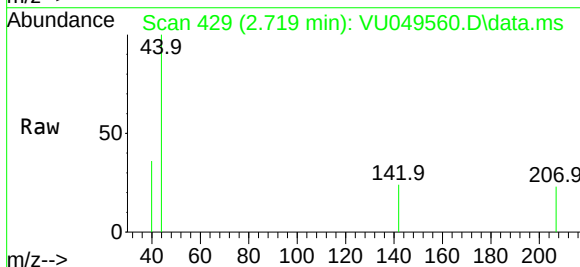
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621DL

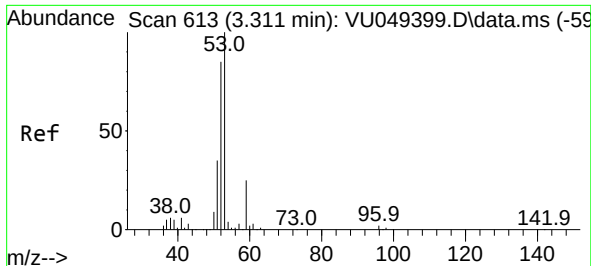
Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 7.533 ug/l
RT: 2.719 min Scan# 429
Delta R.T. 0.013 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 1.615 ug/l

RT: 3.176 min Scan# 51

Delta R.T. -0.135 min

Lab File: VU049560.D

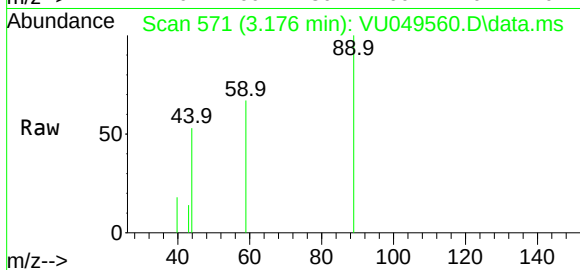
Acq: 30 Jun 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

RE122D2-20220621DL

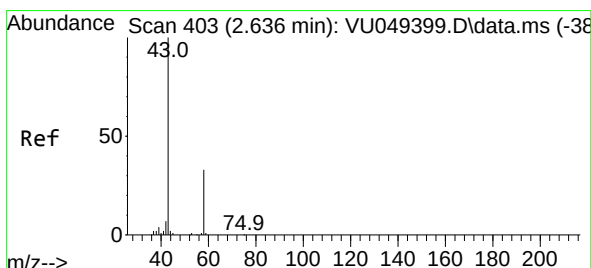
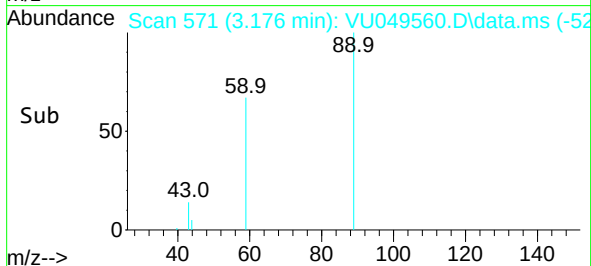
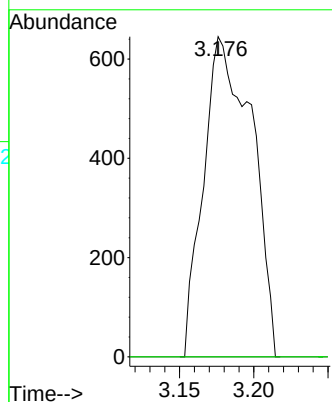


Tgt Ion: 59 Resp: 1458

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#



#16

Acetone

Concen: 0.458 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049560.D

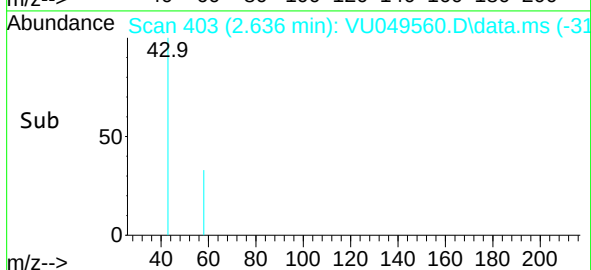
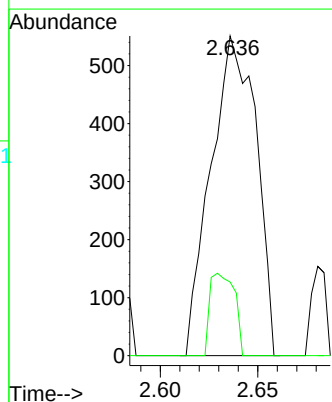
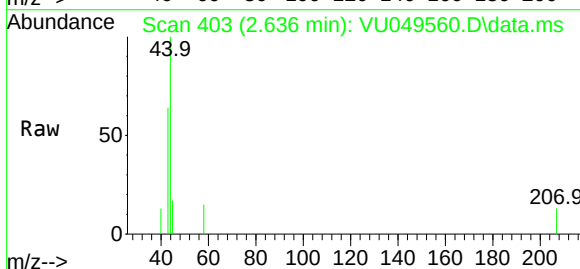
Acq: 30 Jun 2022 13:58

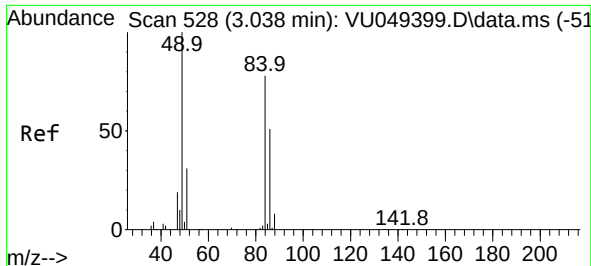
Tgt Ion: 43 Resp: 891

Ion Ratio Lower Upper

43 100

58 23.0 27.5 41.3#

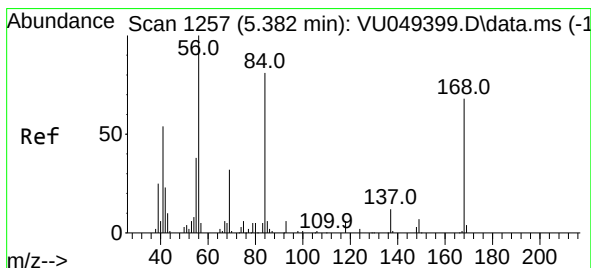
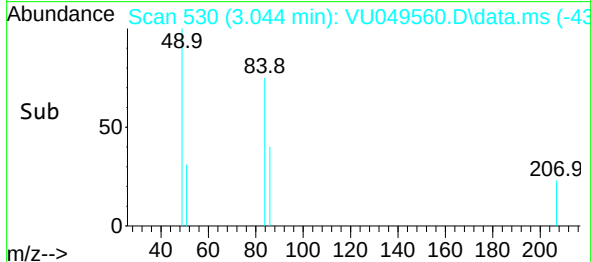
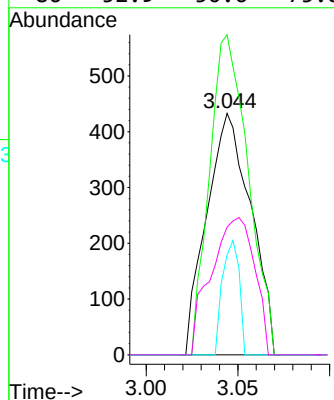
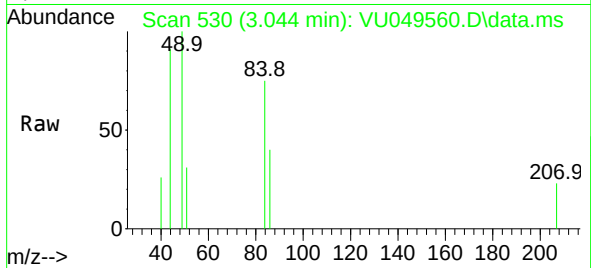




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

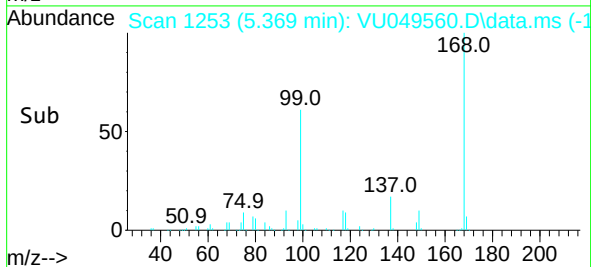
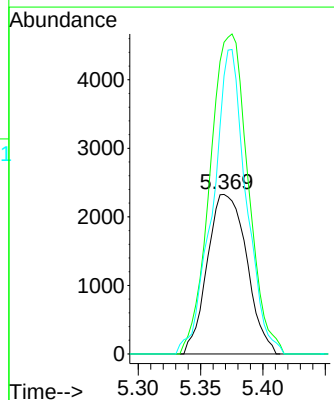
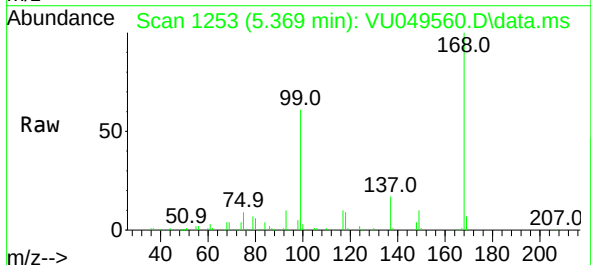
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621DL

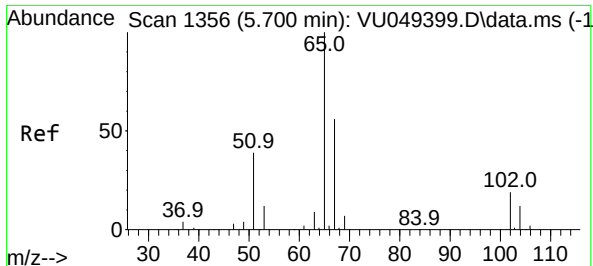
Tgt Ion:	84	Resp:	724
Ion	Ratio	Lower	Upper
84	100		
49	132.6	86.6	129.8#
51	41.3	26.6	40.0#
86	52.9	50.6	75.8



#31
Cyclohexane
Concen: 0.882 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Tgt Ion:	56	Resp:	5106
Ion	Ratio	Lower	Upper
56	100		
69	195.3	27.8	41.8#
84	169.7	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 44.987 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049560.D

Acq: 30 Jun 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

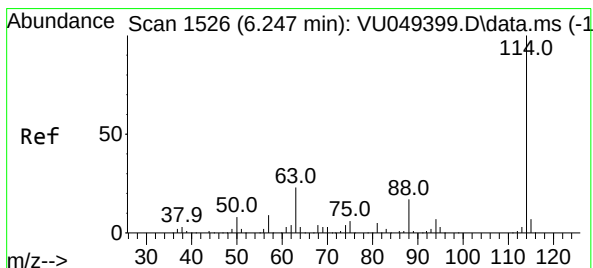
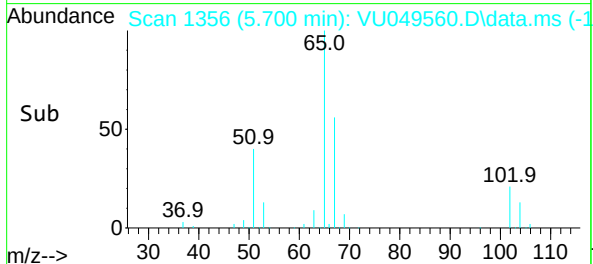
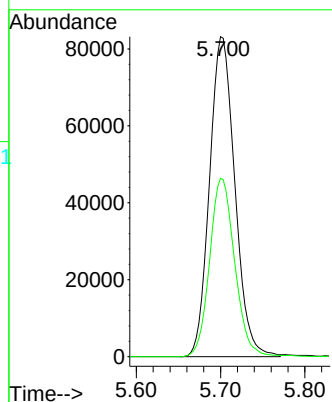
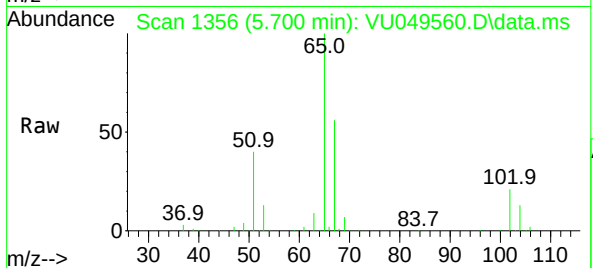
RE122D2-20220621DL

Tgt Ion: 65 Resp: 173526

Ion Ratio Lower Upper

65 100

67 55.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. 0.000 min

Lab File: VU049560.D

Acq: 30 Jun 2022 13:58

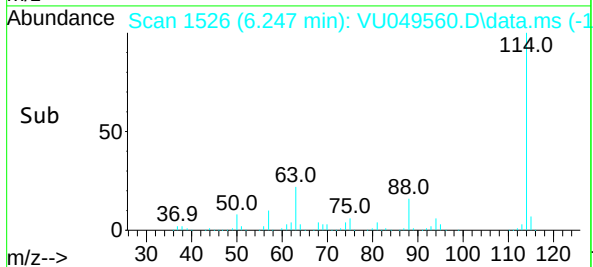
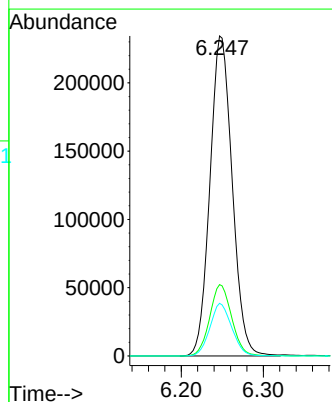
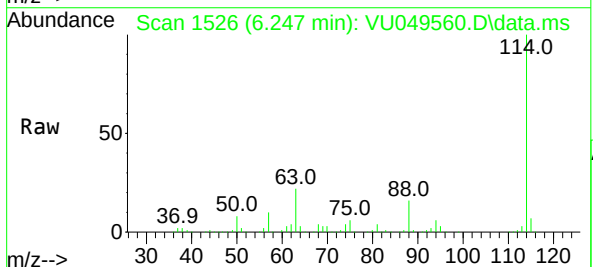
Tgt Ion: 114 Resp: 440831

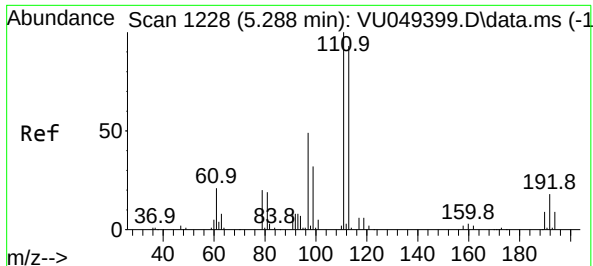
Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

88 16.4 0.0 29.2

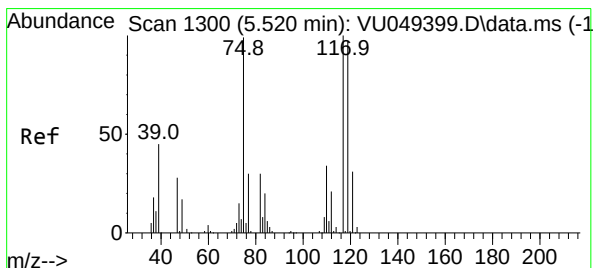
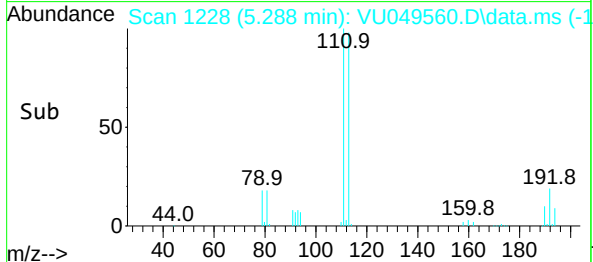
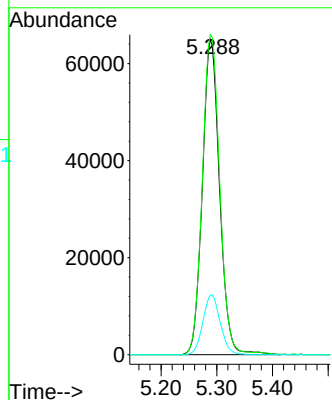
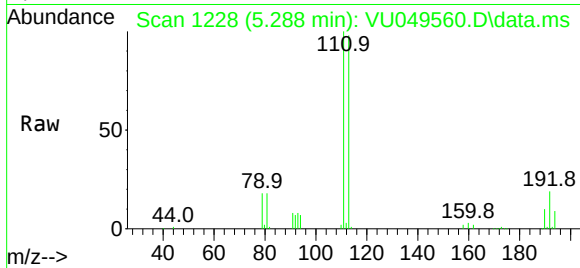




#35
Dibromofluoromethane
Concen: 45.215 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

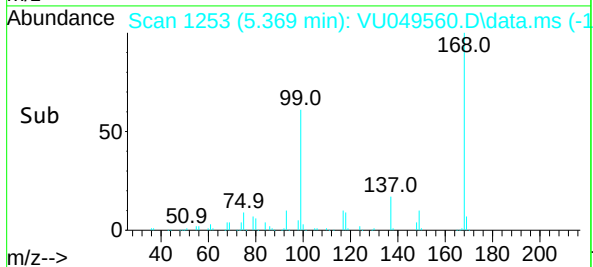
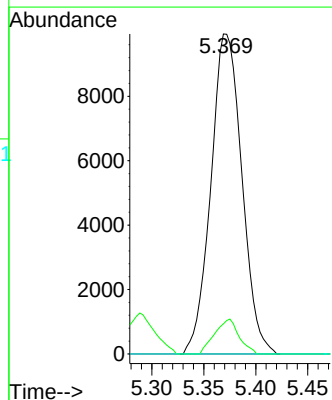
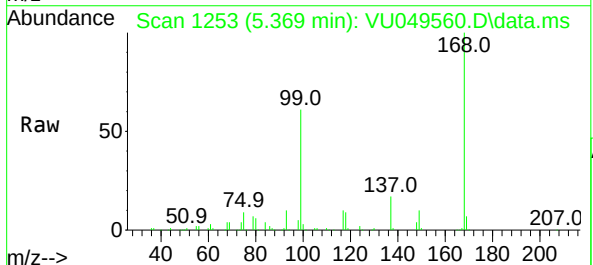
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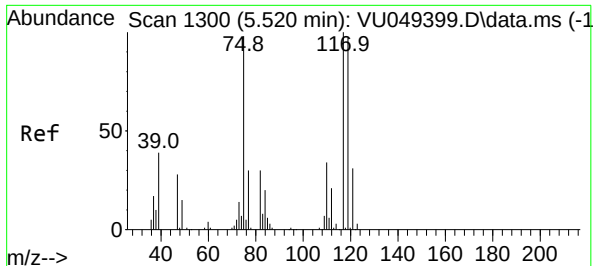
Tgt Ion:113 Resp: 139451
Ion Ratio Lower Upper
113 100
111 102.6 82.1 123.1
192 19.1 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.610 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.151 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Tgt Ion: 75 Resp: 20618
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 25.1 37.7#

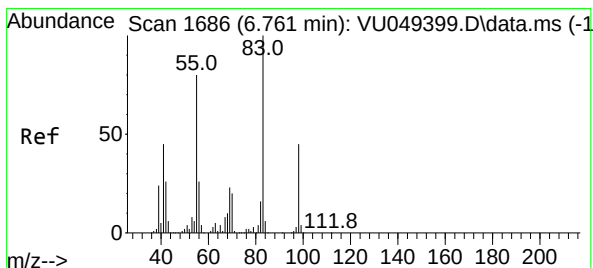
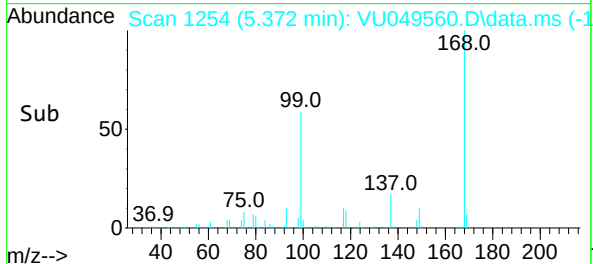
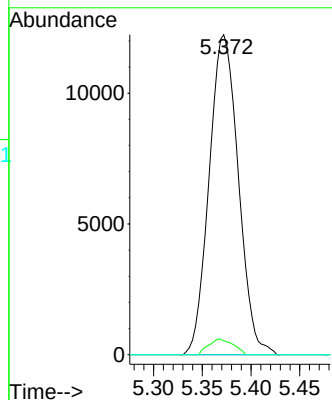
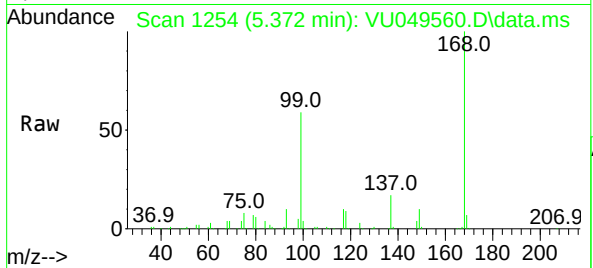




#38
Carbon Tetrachloride
Concen: 5.446 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

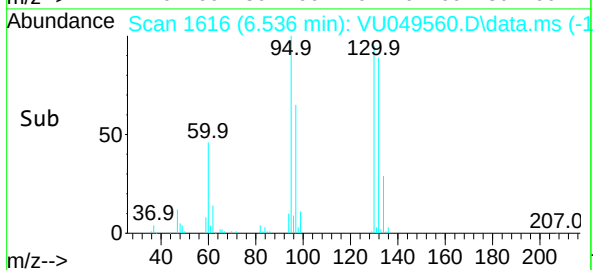
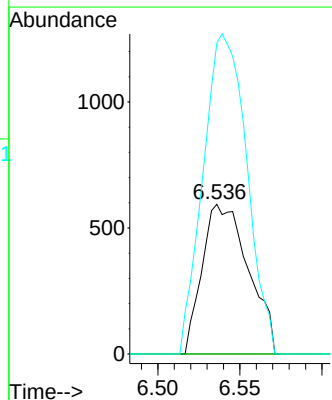
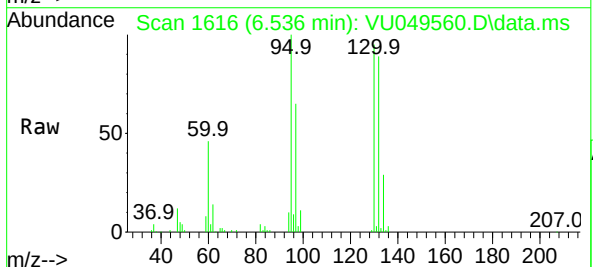
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621DL

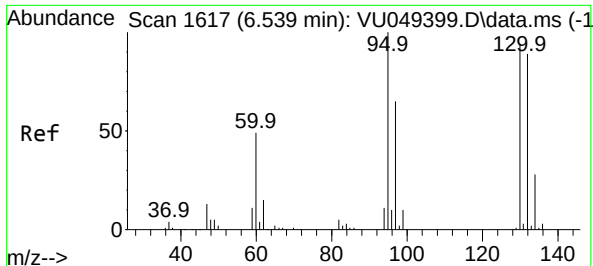
Tgt Ion:117 Resp: 25542
Ion Ratio Lower Upper
117 100
119 4.4 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.217 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.225 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Tgt Ion: 83 Resp: 1162
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 207.7 37.3 55.9#

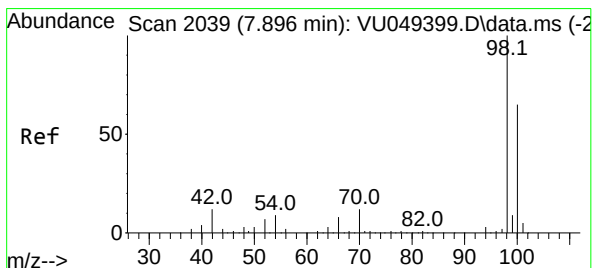
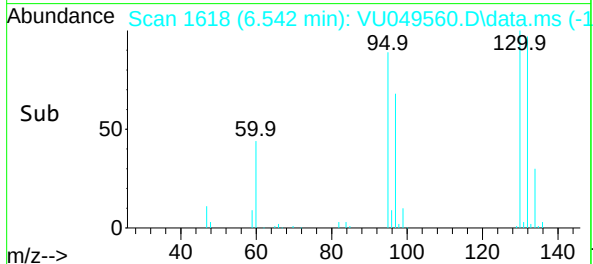
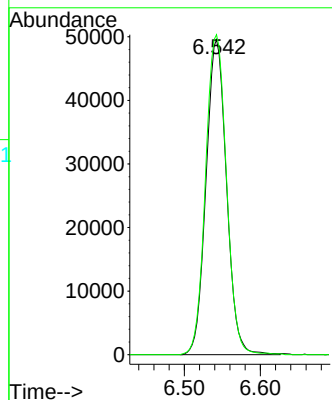
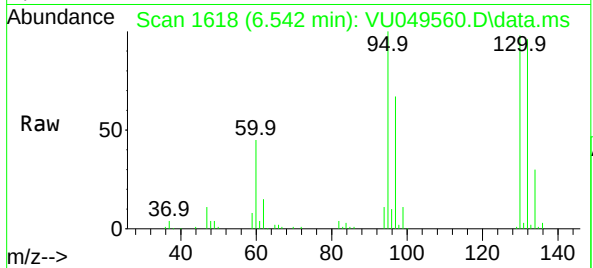




#44
Trichloroethene
Concen: 28.891 ug/l
RT: 6.542 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

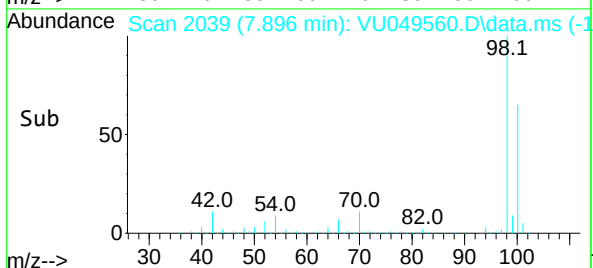
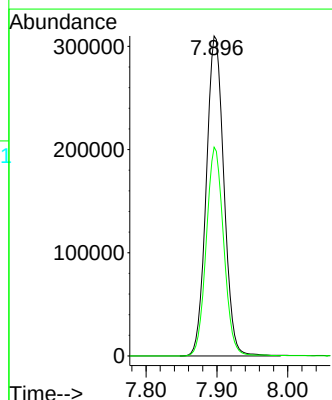
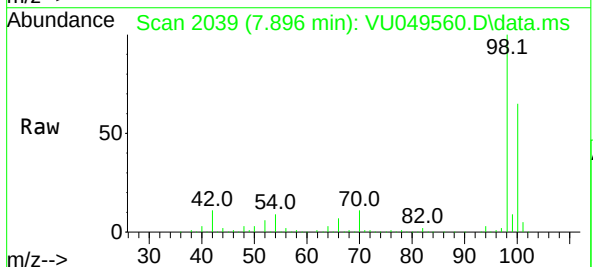
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621DL

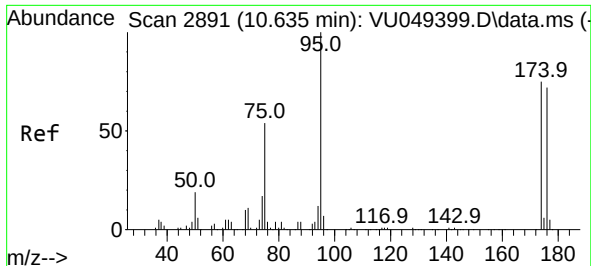
Tgt Ion:130 Resp: 92730
Ion Ratio Lower Upper
130 100
95 101.5 0.0 184.6



#50
Toluene-d8
Concen: 48.671 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Tgt Ion: 98 Resp: 535405
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

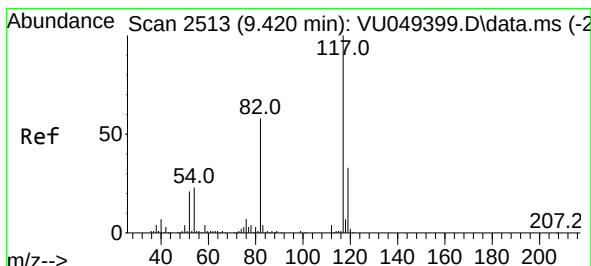
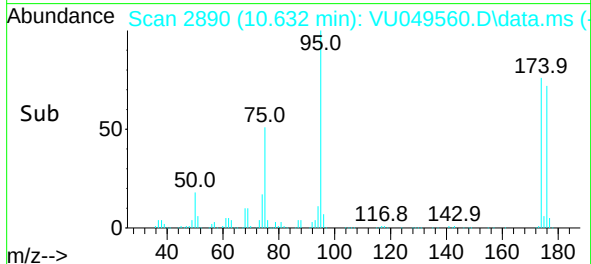
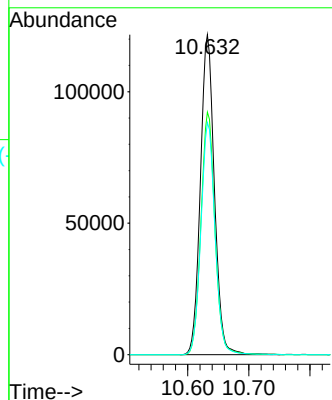
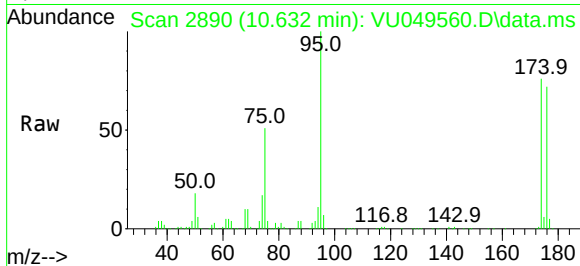




#62
4-Bromofluorobenzene
Concen: 45.970 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

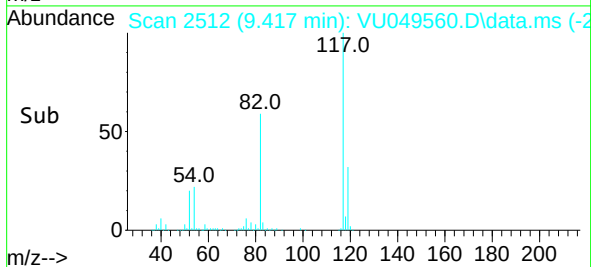
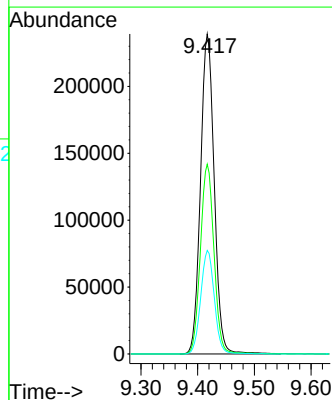
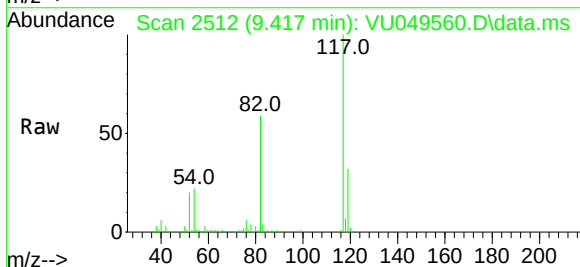
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621DL

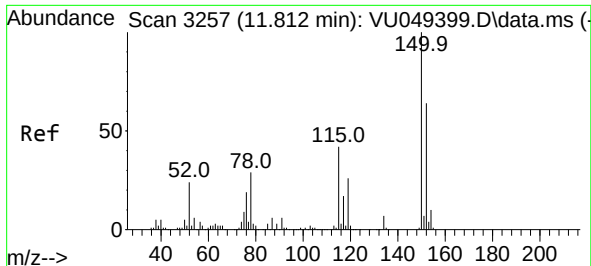
Tgt Ion: 95 Resp: 193713
Ion Ratio Lower Upper
95 100
174 75.6 0.0 182.0
176 73.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Tgt Ion: 117 Resp: 401768
Ion Ratio Lower Upper
117 100
82 59.3 41.7 62.5
119 32.3 25.7 38.5

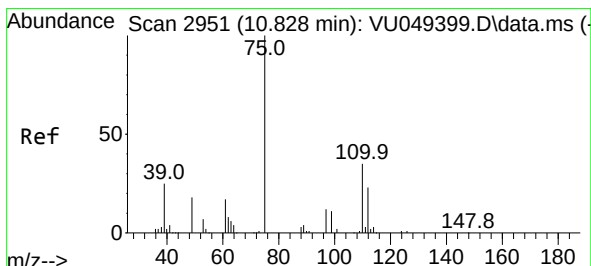
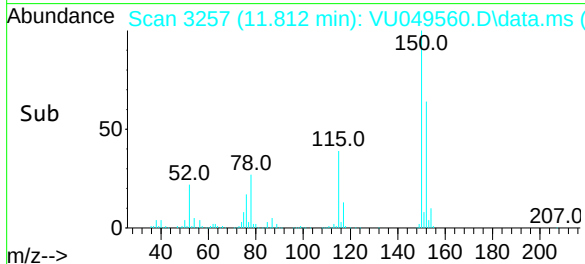
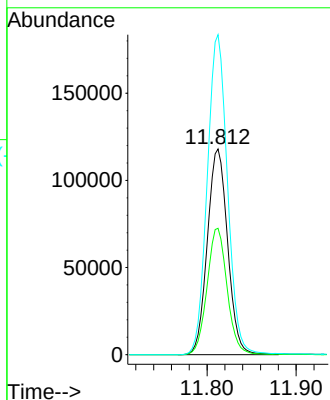
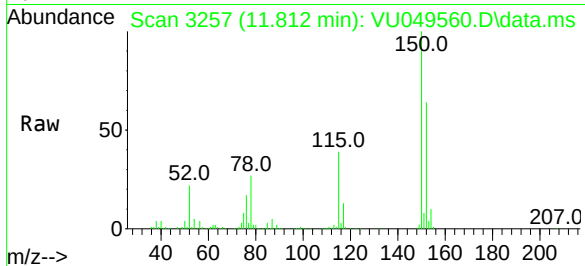




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049560.D
 Acq: 30 Jun 2022 13:58

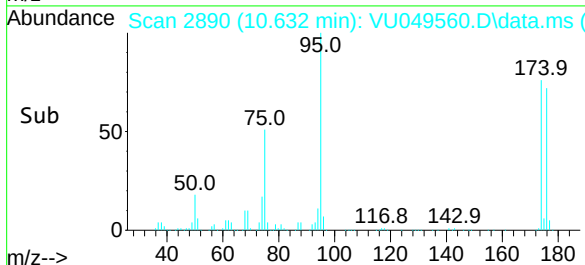
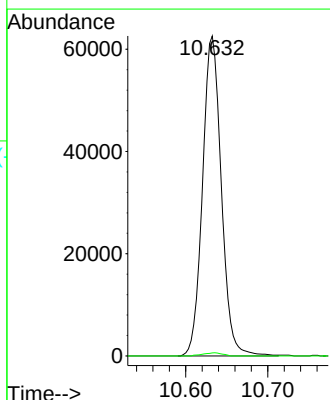
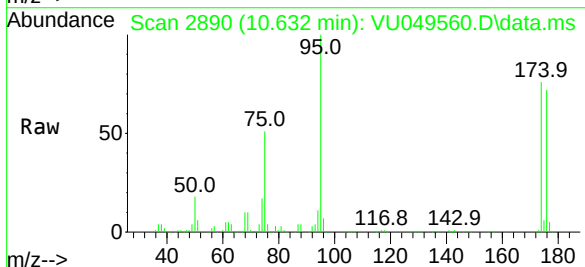
Instrument :
 MSVOA_U
 ClientSampleId :
 RE122D2-20220621DL

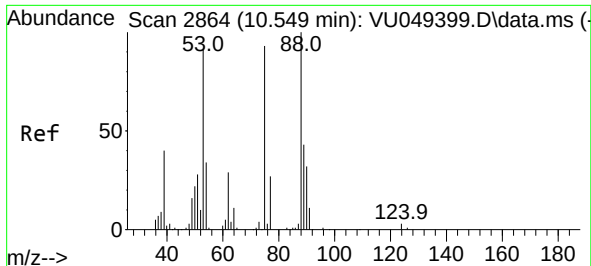
Tgt Ion:152 Resp: 187076
 Ion Ratio Lower Upper
 152 100
 115 60.6 37.0 110.9
 150 155.1 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.743 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049560.D
 Acq: 30 Jun 2022 13:58

Tgt Ion: 75 Resp: 99840
 Ion Ratio Lower Upper
 75 100
 77 1.0 15.8 47.3#

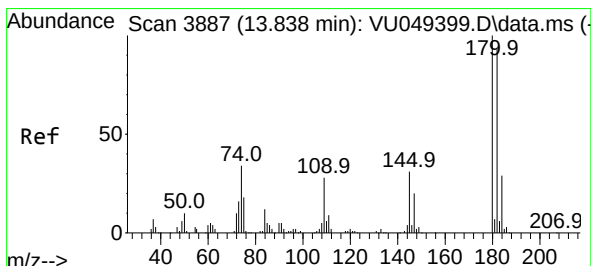
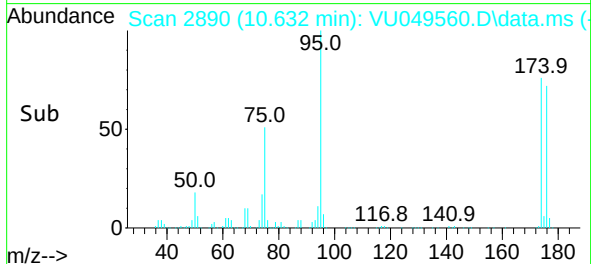
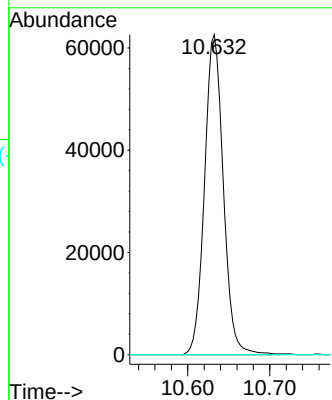
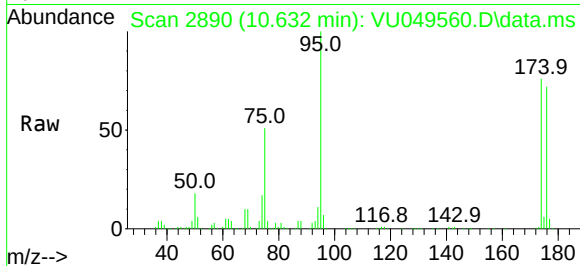




#81
trans-1,4-Dichloro-2-butene
Concen: 58.138 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

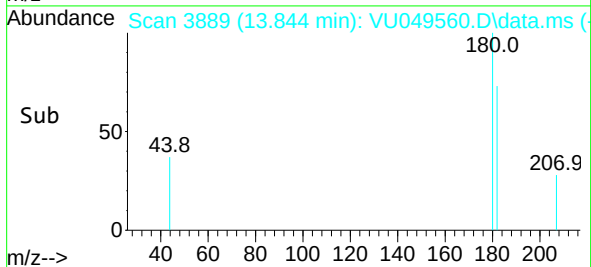
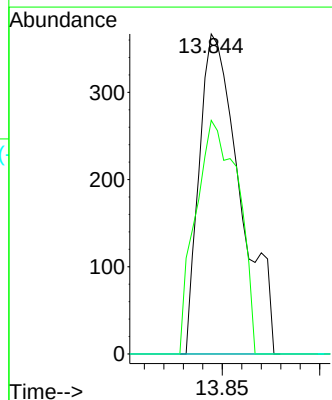
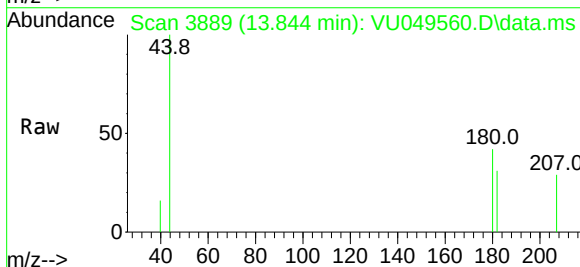
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621DL

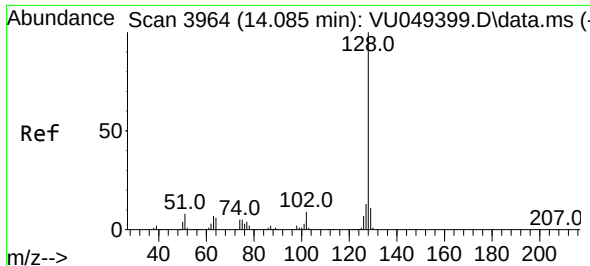
Tgt Ion: 75 Resp: 99840
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.877 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Tgt Ion: 180 Resp: 533
Ion Ratio Lower Upper
180 100
182 76.5 47.9 143.6
145 0.0 14.0 41.9#

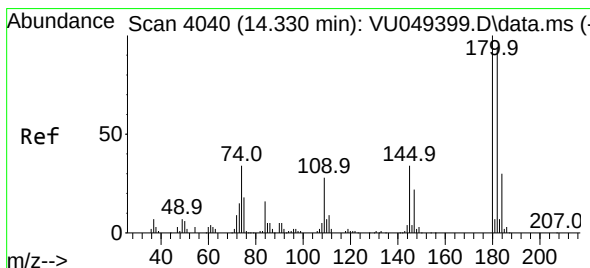
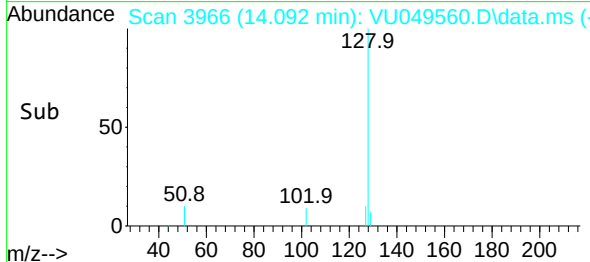
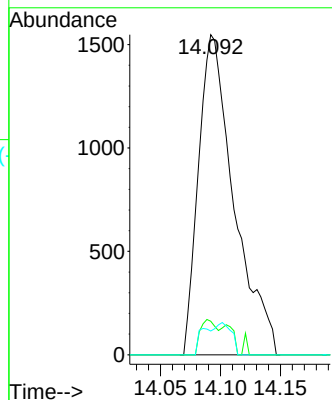
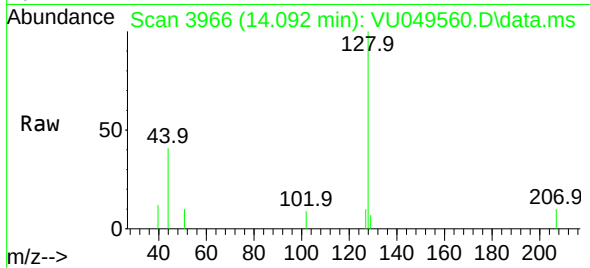




#95
Naphthalene
Concen: 1.946 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621DL

Tgt Ion:128 Resp: 3189
Ion Ratio Lower Upper
128 100
127 5.1 10.3 15.5#
129 2.9 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.283 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049560.D
Acq: 30 Jun 2022 13:58

Tgt Ion:180 Resp: 468
Ion Ratio Lower Upper
180 100
182 104.5 48.4 145.0
145 9.4 14.8 44.4#

