

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
 Data File : VU043587.D
 Acq On : 06 May 2021 16:46
 Operator : SY/MD
 Sample : M2313-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 210505078-02-VOA

Quant Time: May 07 02:05:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

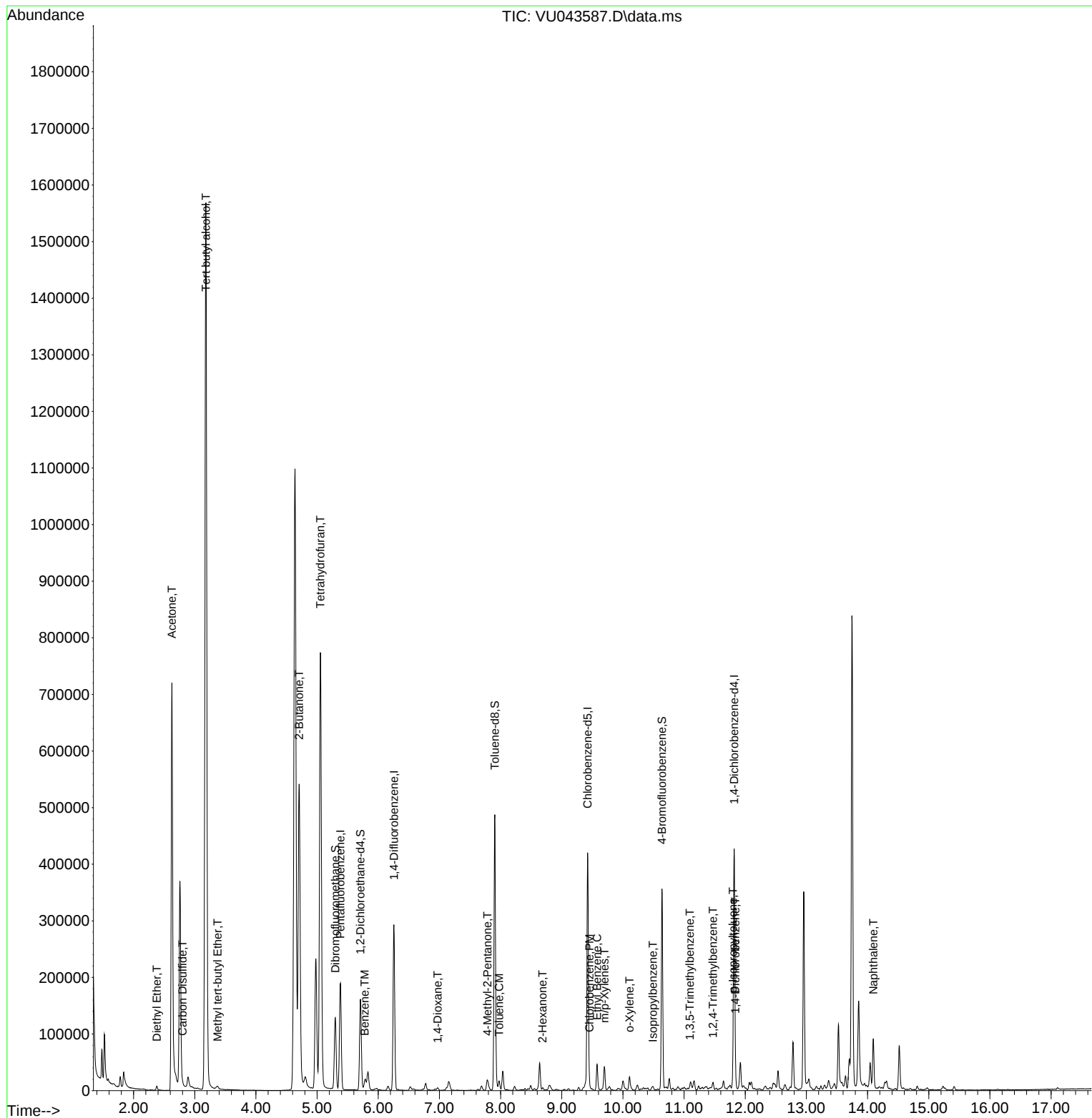
Internal Standards						
1) Pentafluorobenzene	5.382	168	123030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	209091	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	203067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	96762	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	118768	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
35) Dibromofluoromethane	5.298	113	78788	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	7.906	98	288900	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	10.639	95	104270	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
Target Compounds					Qvalue	
8) Diethyl Ether	2.378	74	1995	2.08	ug/l	89
11) Tert butyl alcohol	3.182	59	1738377	2601.57	ug/l	99
16) Acetone	2.626	43	776212	561.49	ug/l	100
17) Carbon Disulfide	2.800	76	6606	1.46	ug/l	97
19) Methyl tert-butyl Ether	3.372	73	4623	0.94	ug/l	99
25) 2-Butanone	4.706	43	746534	350.27	ug/l	99
29) Tetrahydrofuran	5.054	42	546259	451.34	ug/l	99
40) Benzene	5.780	78	8111	1.14	ug/l	95
49) 1,4-Dioxane	6.970	88	2237	88.11	ug/l #	95
51) 4-Methyl-2-Pentanone	7.787	43	13781	21.82	ug/l #	73
52) Toluene	7.976	92	5082	1.24	ug/l	95
59) 2-Hexanone	8.687	43	1998	21.18	ug/l	98
65) Chlorobenzene	9.452	112	1515	0.34	ug/l #	65
67) Ethyl Benzene	9.578	91	24969	4.16	ug/l	99
68) m/p-Xylenes	9.700	106	9574	5.19	ug/l	97
69) o-Xylene	10.108	106	4883	3.34	ug/l	91
73) Isopropylbenzene	10.491	105	2026	0.29	ug/l	97
80) 1,3,5-Trimethylbenzene	11.095	105	1862	1.01	ug/l	89
84) 1,2,4-Trimethylbenzene	11.475	105	5990	2.00	ug/l	99
86) p-Isopropyltoluene	11.799	119	8247	2.65	ug/l	89
88) 1,4-Dichlorobenzene	11.841	146	3083	0.88	ug/l	78
95) Naphthalene	14.095	128	58152	8.39	ug/l	99

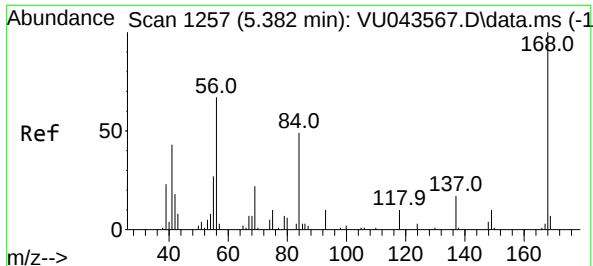
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 06 07:26:23 2021
Response via : Initial Calibration

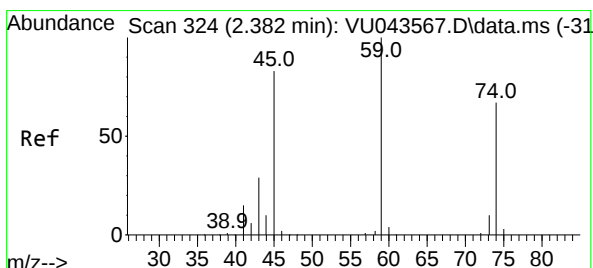
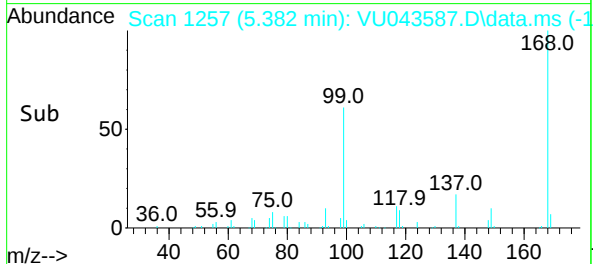
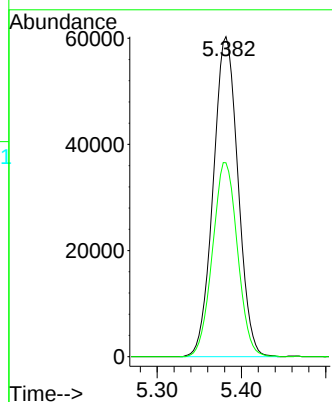
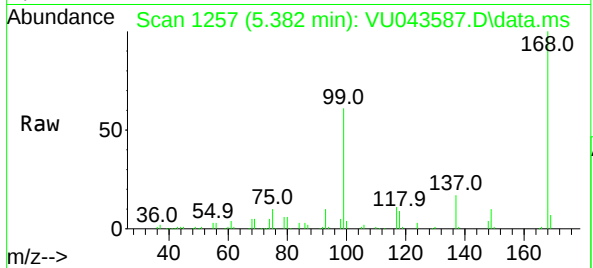




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

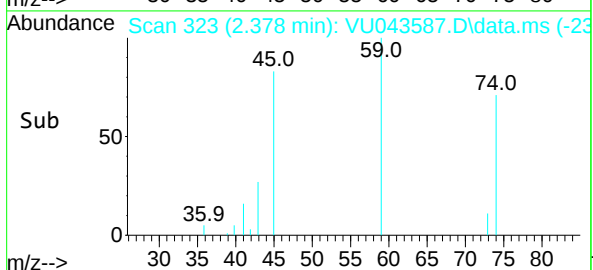
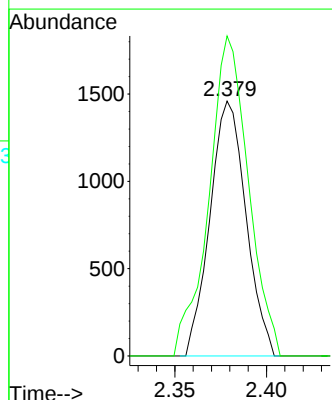
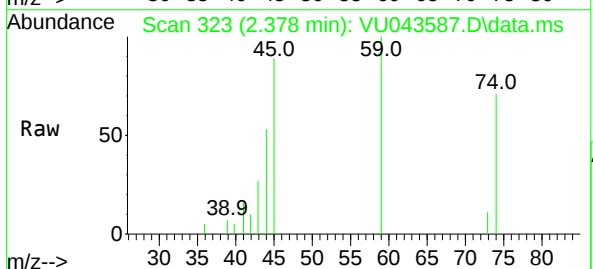
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

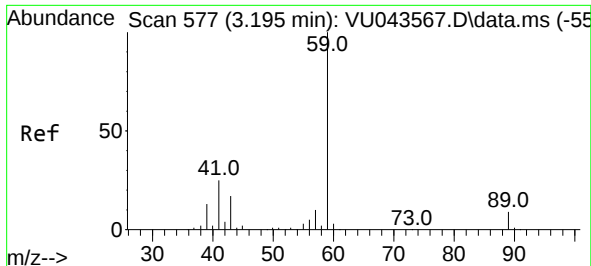
Tgt Ion:168 Resp: 123030
Ion Ratio Lower Upper
168 100
99 60.6 49.0 73.6



#8
Diethyl Ether
Concen: 2.08 ug/l
RT: 2.378 min Scan# 323
Delta R.T. -0.003 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion: 74 Resp: 1995
Ion Ratio Lower Upper
74 100
45 137.2 62.6 187.8

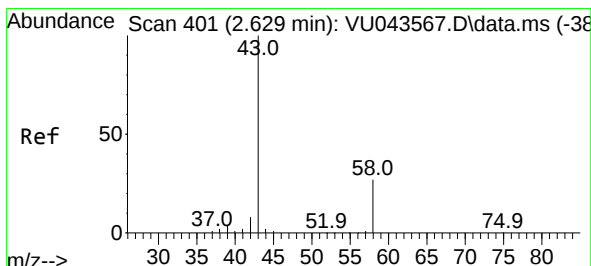
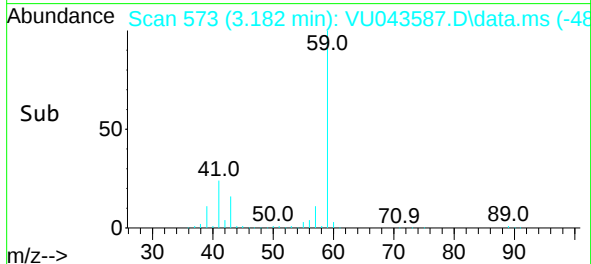
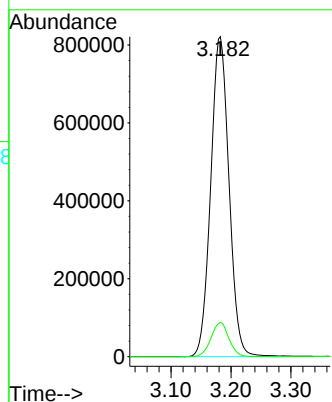
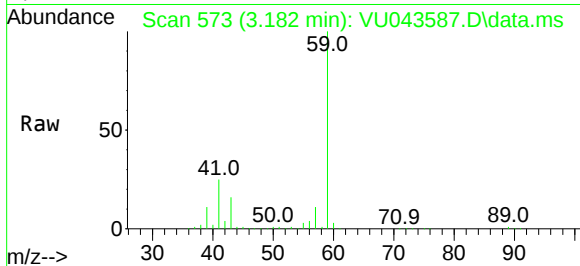




#11
Tert butyl alcohol
Concen: 2601.57 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.013 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

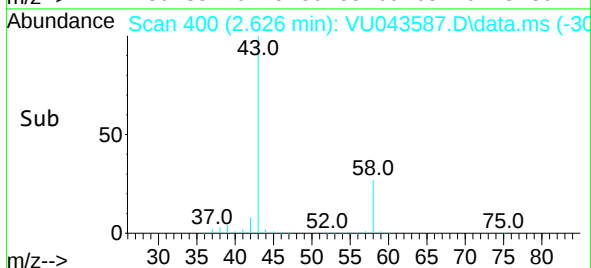
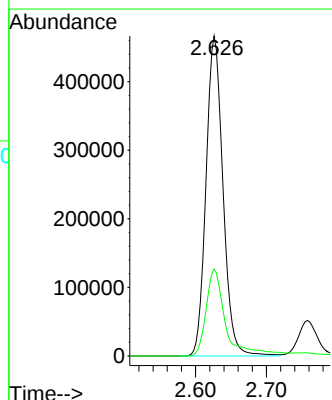
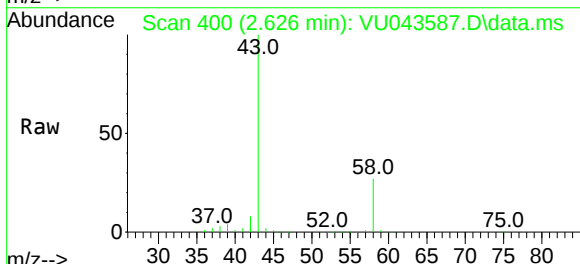
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

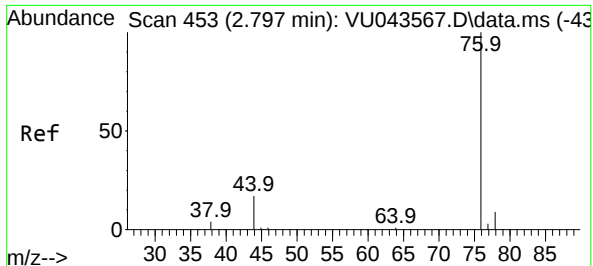
Tgt Ion: 59 Resp: 1738377
Ion Ratio Lower Upper
59 100
57 10.5 8.0 12.0



#16
Acetone
Concen: 561.49 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

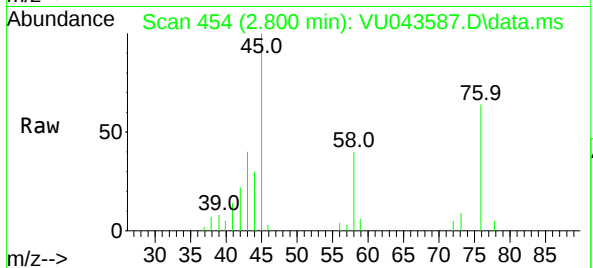
Tgt Ion: 43 Resp: 776212
Ion Ratio Lower Upper
43 100
58 27.2 21.7 32.5



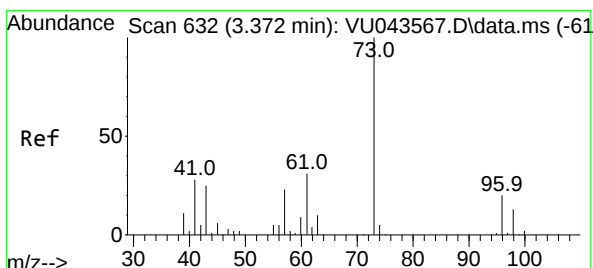
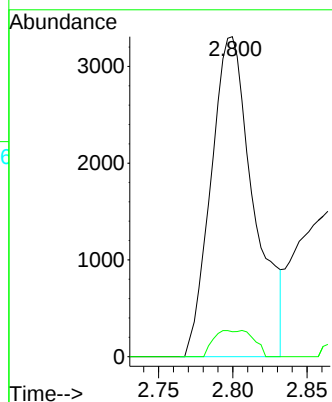
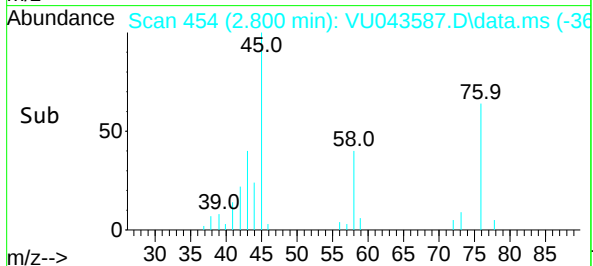


#17
Carbon Disulfide
Concen: 1.46 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

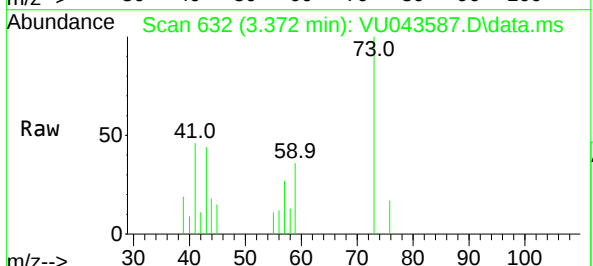
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA



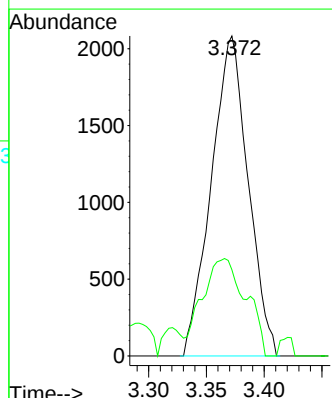
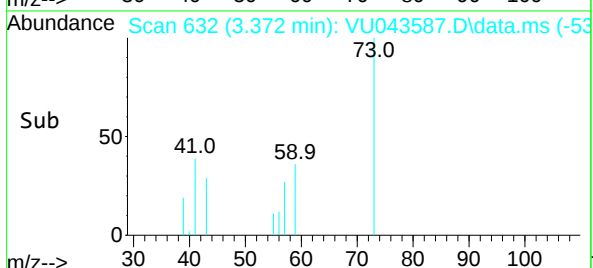
Tgt Ion: 76 Resp: 6606
Ion Ratio Lower Upper
76 100
78 7.8 7.0 10.6

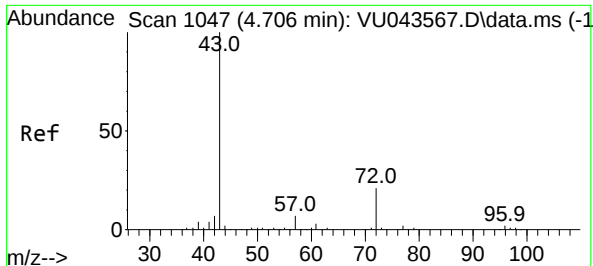


#19
Methyl tert-butyl Ether
Concen: 0.94 ug/l
RT: 3.372 min Scan# 632
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46



Tgt Ion: 73 Resp: 4623
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.4

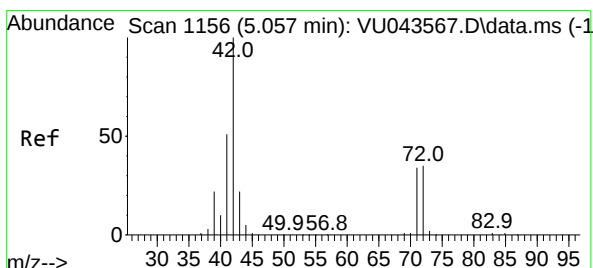
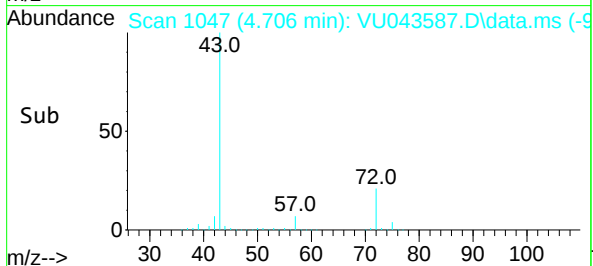
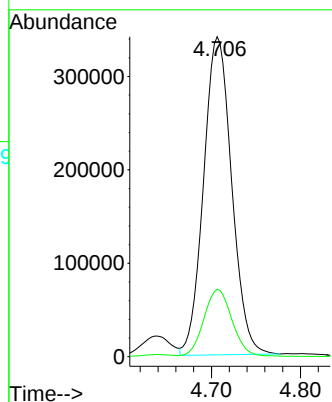
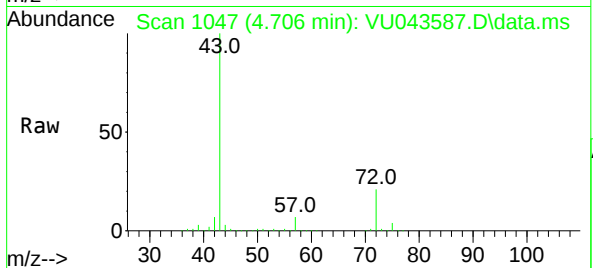




#25
2-Butanone
Concen: 350.27 ug/l
RT: 4.706 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

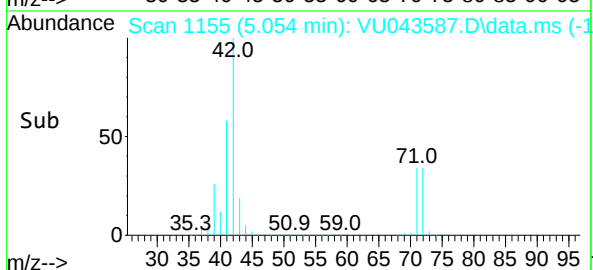
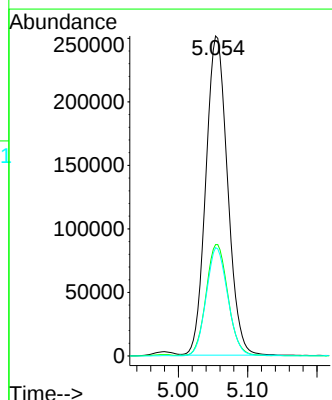
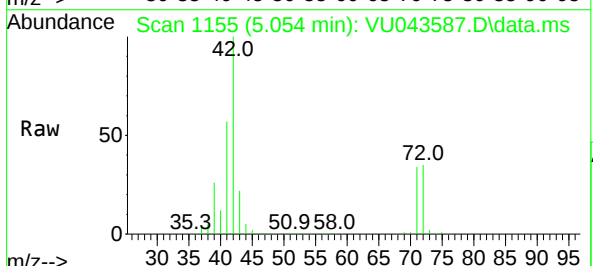
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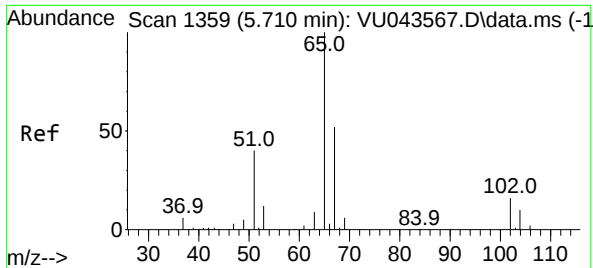
Tgt Ion: 43 Resp: 746534
Ion Ratio Lower Upper
43 100
72 21.1 16.5 24.7



#29
Tetrahydrofuran
Concen: 451.34 ug/l
RT: 5.054 min Scan# 1155
Delta R.T. -0.003 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion: 42 Resp: 546259
Ion Ratio Lower Upper
42 100
72 35.0 28.5 42.7
71 33.8 27.4 41.2





#33

1,2-Dichloroethane-d4

Concen: 47.69 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043587.D

Acq: 06 May 2021 16:46

Tgt Ion: 65 Resp: 118768

Ion Ratio Lower Upper

65 100

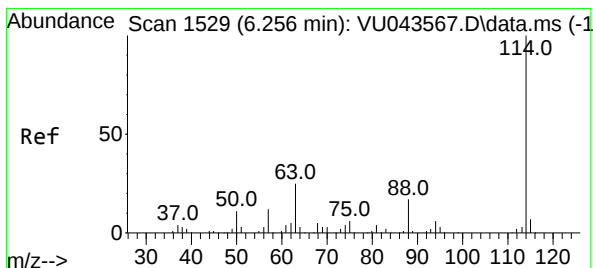
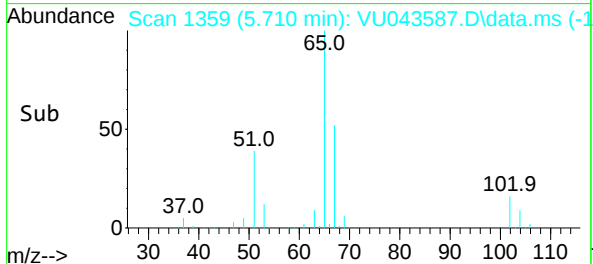
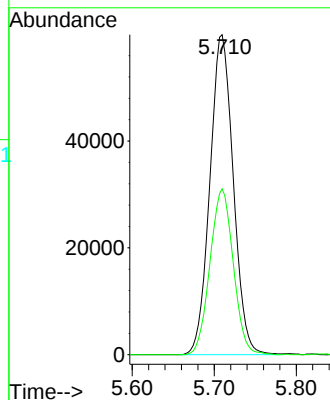
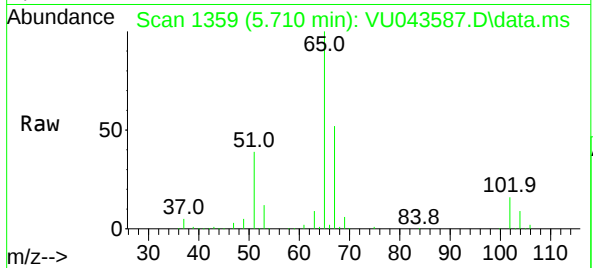
67 51.5 0.0 104.6

Instrument :

MSVOA_U

ClientSampleId :

210505078-02-VOA



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.000 min

Lab File: VU043587.D

Acq: 06 May 2021 16:46

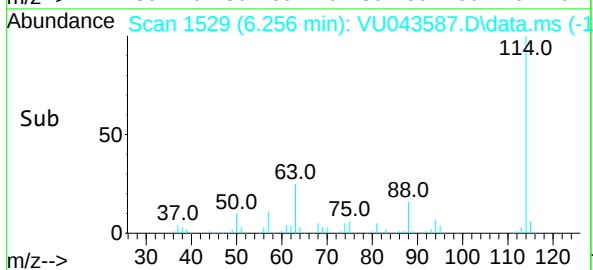
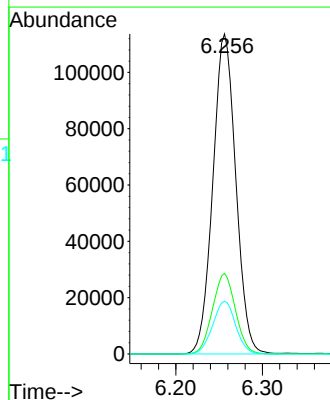
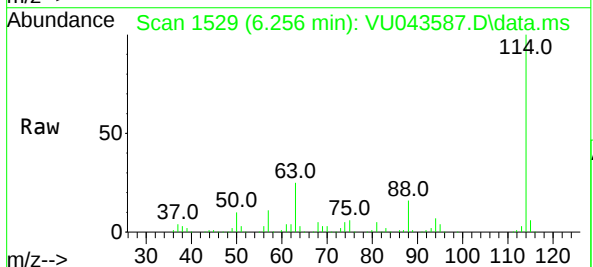
Tgt Ion: 114 Resp: 209091

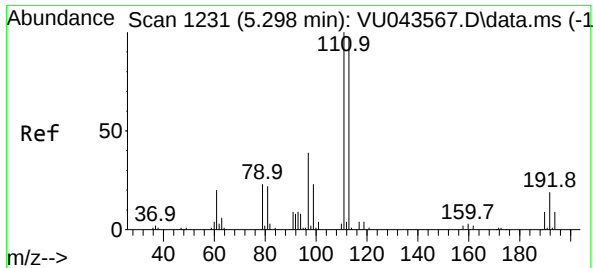
Ion Ratio Lower Upper

114 100

63 25.2 0.0 50.2

88 16.5 0.0 33.8

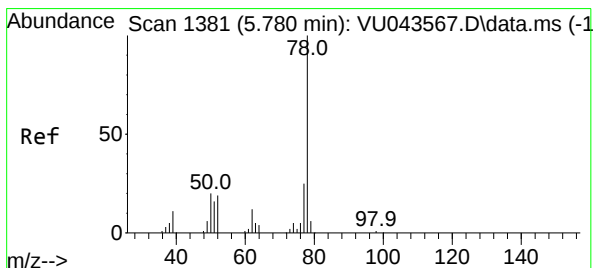
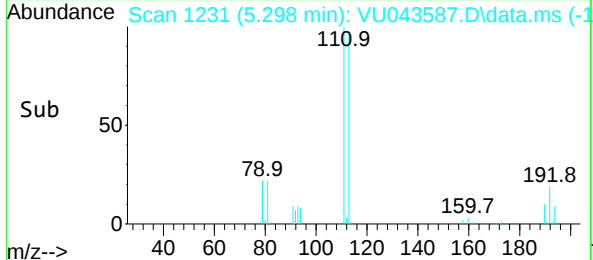
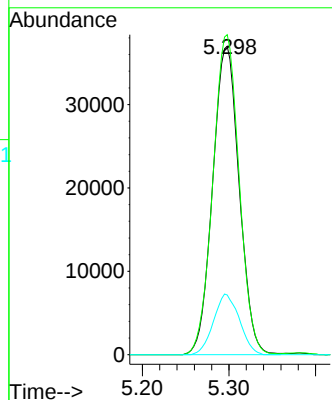
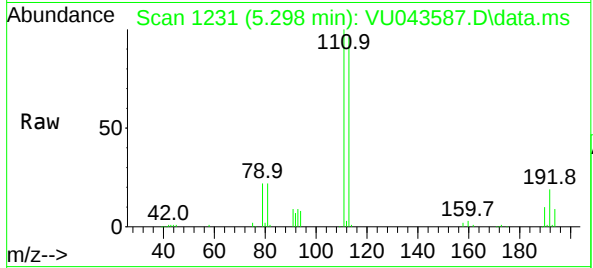




#35
Dibromofluoromethane
Concen: 47.25 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

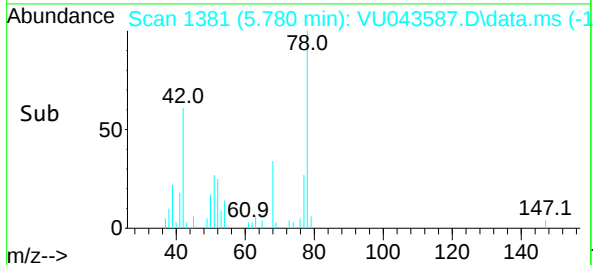
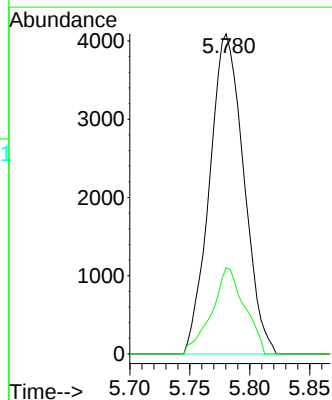
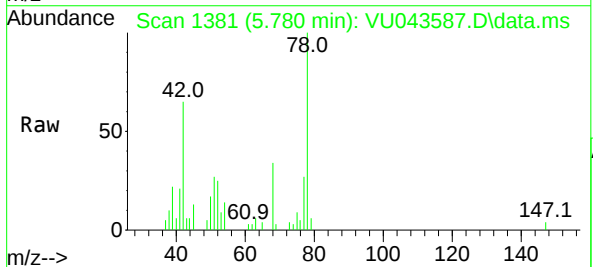
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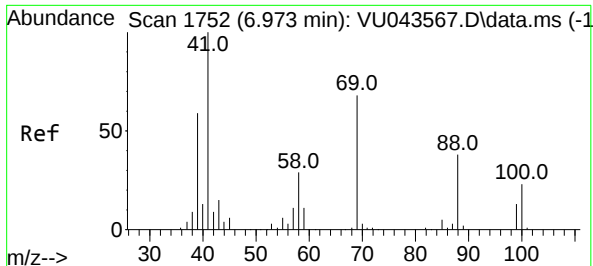
Tgt Ion:113 Resp: 78788
Ion Ratio Lower Upper
113 100
111 102.5 82.3 123.5
192 19.1 15.8 23.6



#40
Benzene
Concen: 1.14 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion: 78 Resp: 8111
Ion Ratio Lower Upper
78 100
77 26.9 19.7 29.5





#49

1,4-Dioxane

Concen: 88.11 ug/l

RT: 6.970 min Scan# 1751

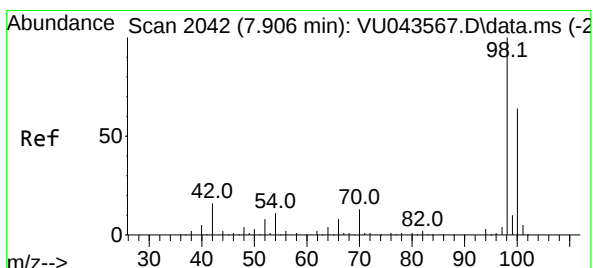
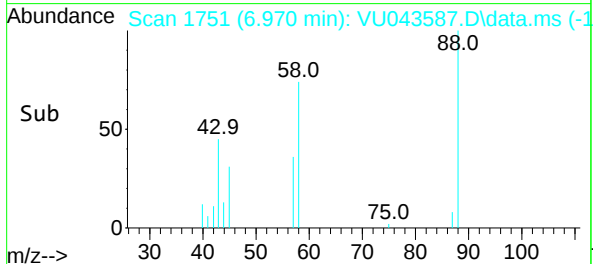
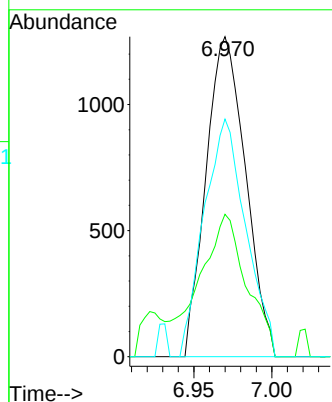
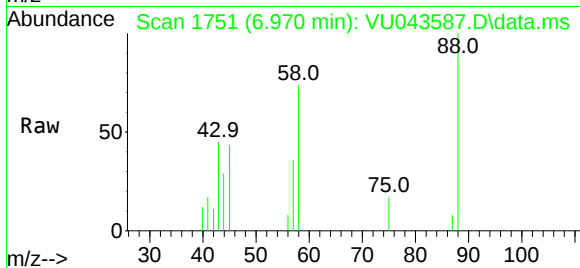
Delta R.T. -0.003 min

Lab File: VU043587.D

Acq: 06 May 2021 16:46

Tgt Ion: 88 Resp: 2237

Ion	Ratio	Lower	Upper
88	100		
43	51.7	33.6	50.4#
58	78.5	62.7	94.1



#50

Toluene-d8

Concen: 48.86 ug/l

RT: 7.906 min Scan# 2042

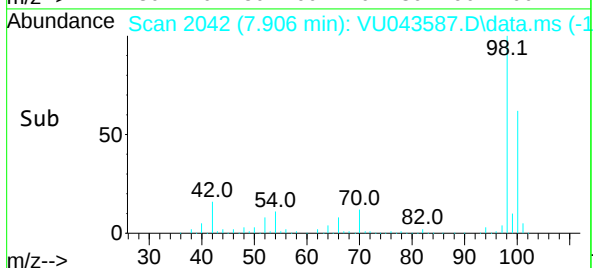
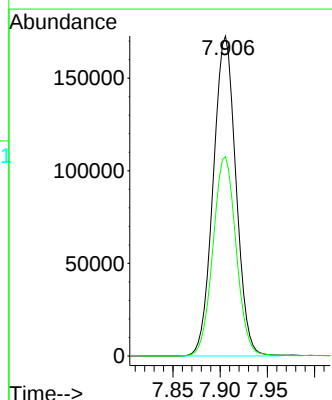
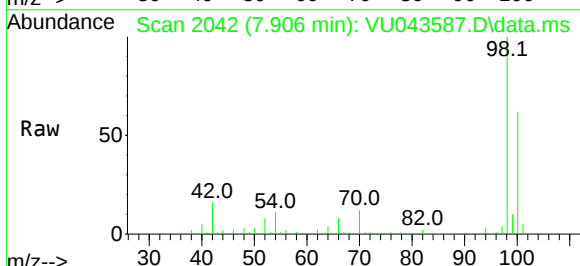
Delta R.T. -0.000 min

Lab File: VU043587.D

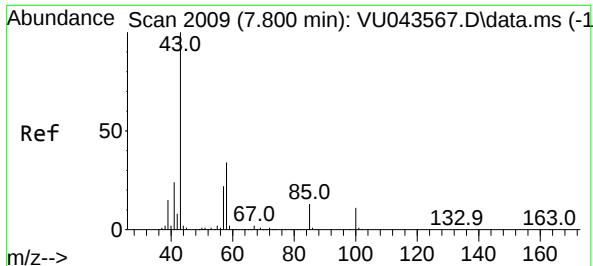
Acq: 06 May 2021 16:46

Tgt Ion: 98 Resp: 288900

Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.5	75.7



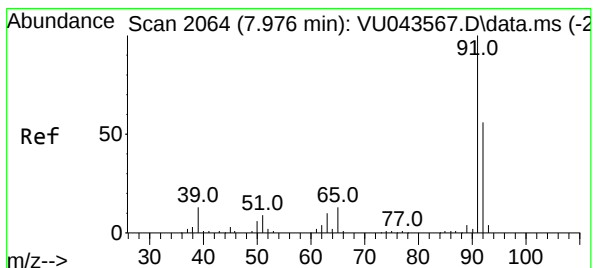
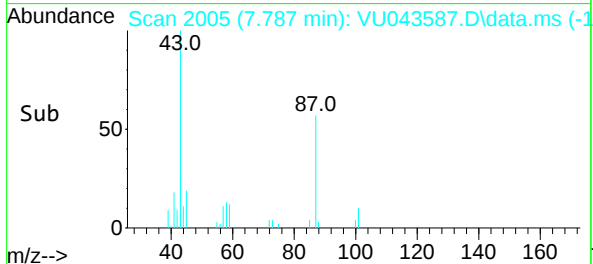
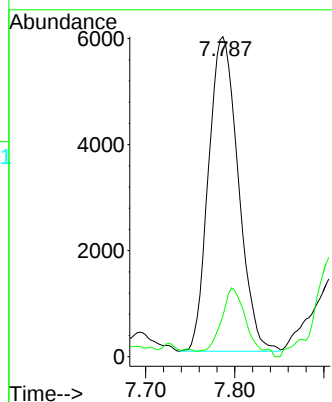
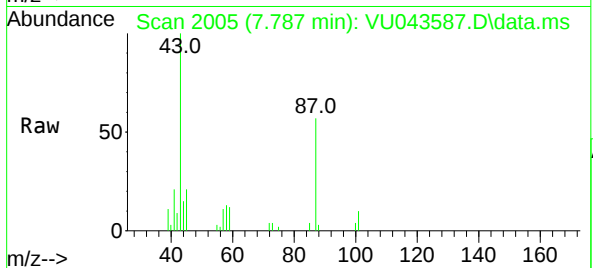
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA



#51
4-Methyl-2-Pentanone
Concen: 21.82 ug/l
RT: 7.787 min Scan# 2005
Delta R.T. -0.013 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

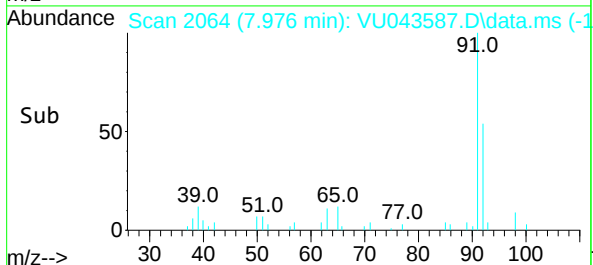
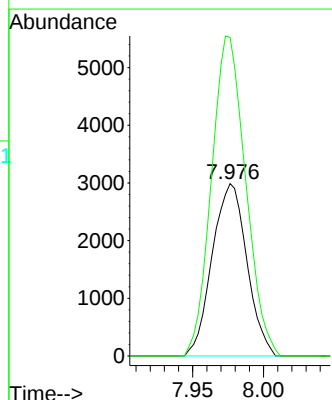
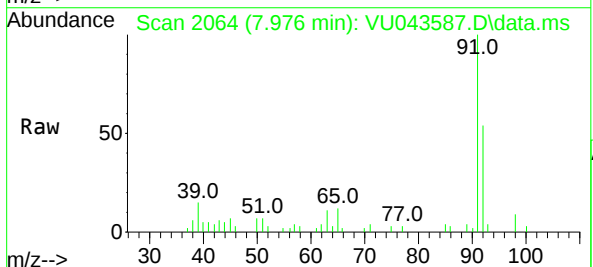
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

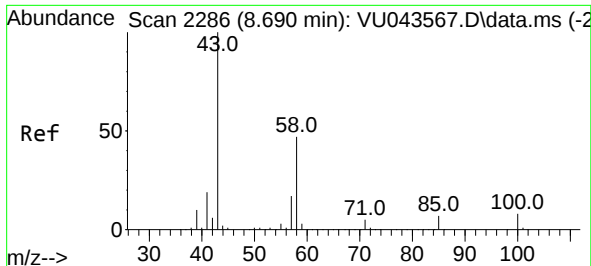
Tgt Ion: 43 Resp: 13781
Ion Ratio Lower Upper
43 100
58 18.8 27.2 40.8#



#52
Toluene
Concen: 1.24 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion: 92 Resp: 5082
Ion Ratio Lower Upper
92 100
91 182.5 140.9 211.3

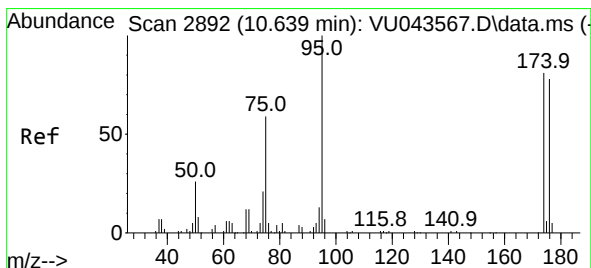
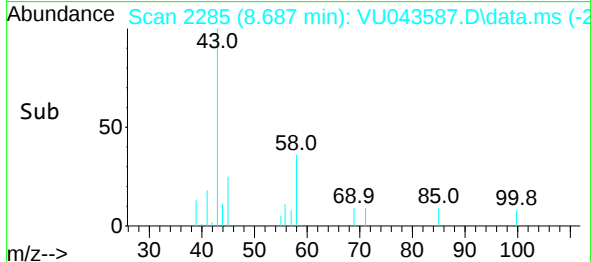
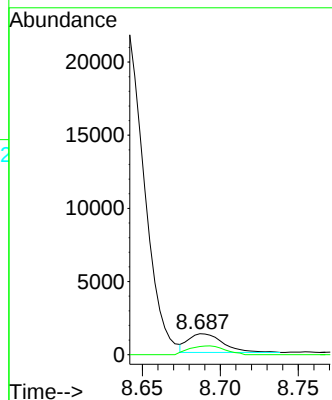
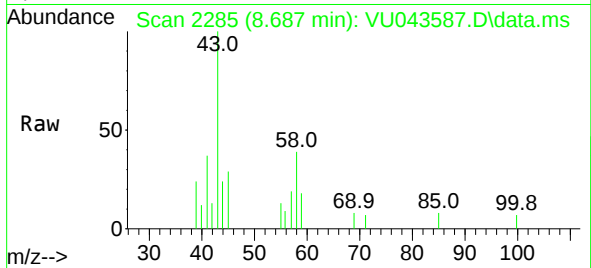




#59
2-Hexanone
Concen: 21.18 ug/l
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

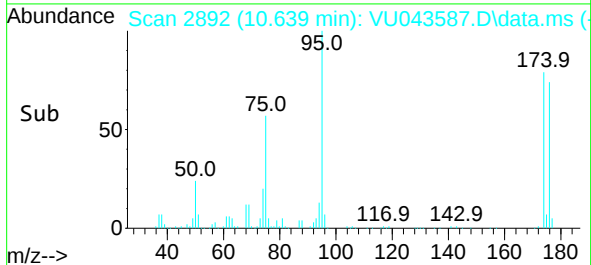
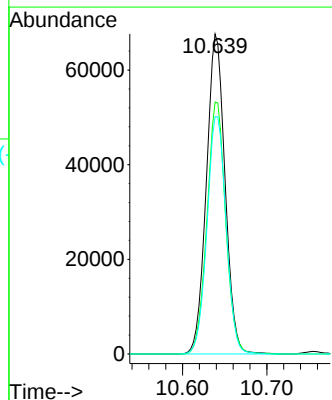
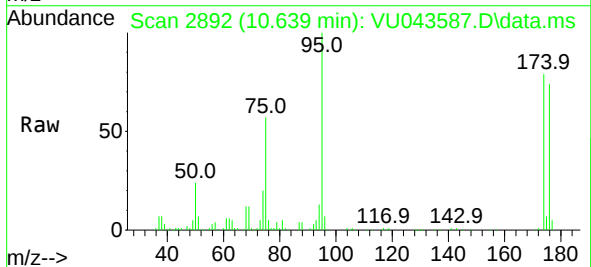
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

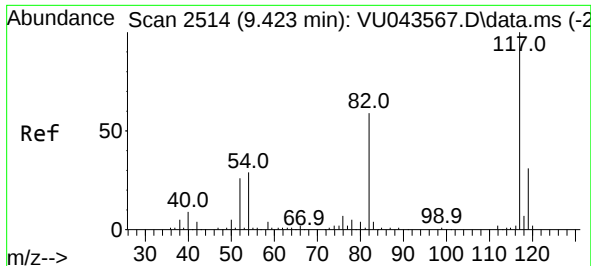
Tgt Ion: 43 Resp: 1998
Ion Ratio Lower Upper
43 100
58 47.9 23.4 70.2



#62
4-Bromofluorobenzene
Concen: 46.35 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion: 95 Resp: 104270
Ion Ratio Lower Upper
95 100
174 78.9 0.0 158.8
176 75.8 0.0 155.6

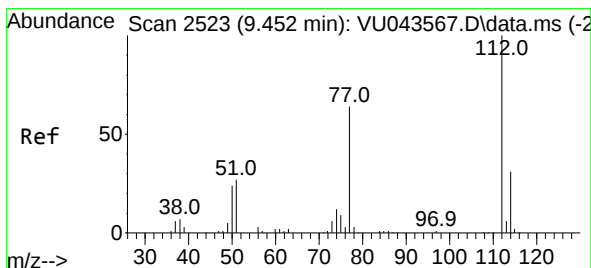
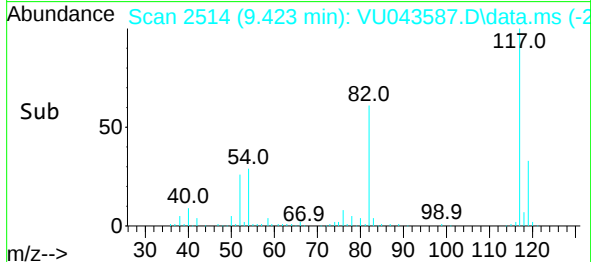
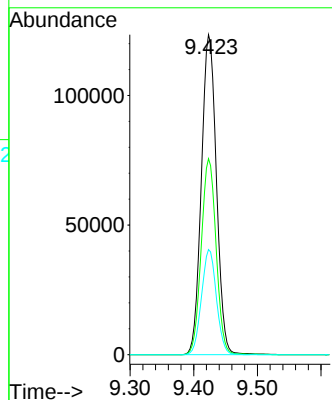
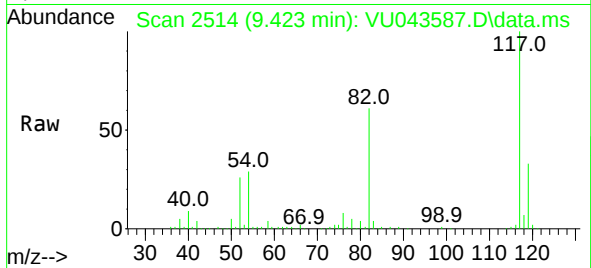




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

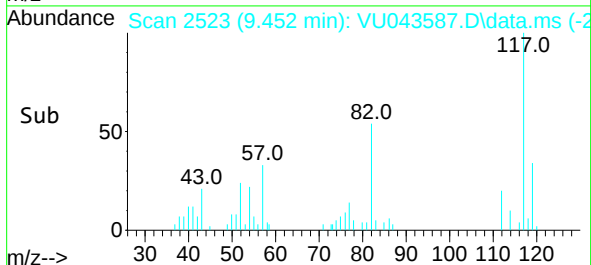
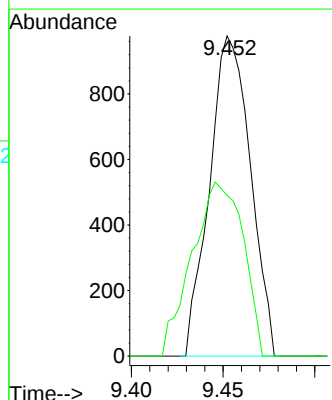
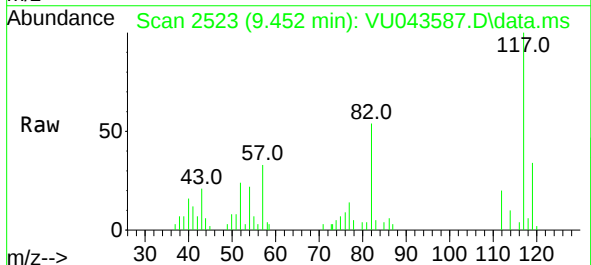
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

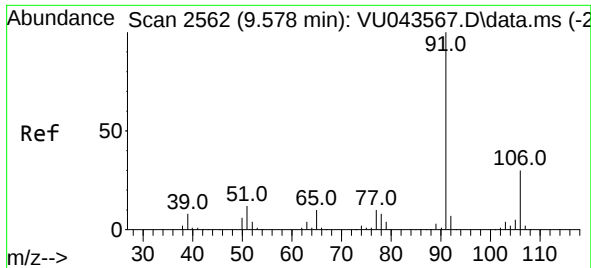
Tgt Ion:117 Resp: 203067
Ion Ratio Lower Upper
117 100
82 61.3 47.5 71.3
119 32.9 24.7 37.1



#65
Chlorobenzene
Concen: 0.34 ug/l
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion:112 Resp: 1515
Ion Ratio Lower Upper
112 100
114 50.2 24.6 37.0#

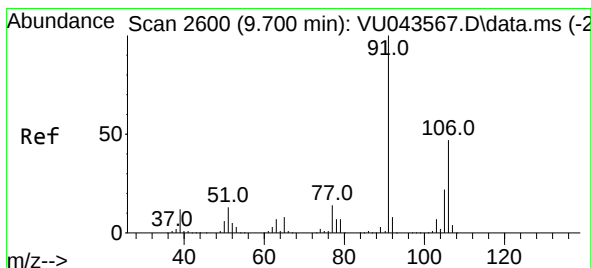
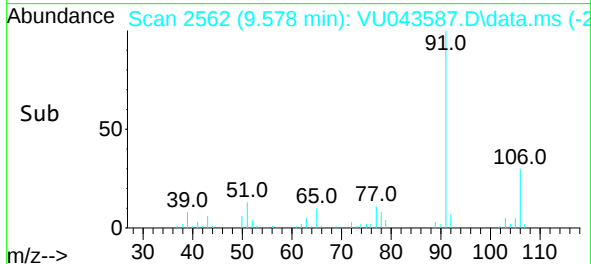
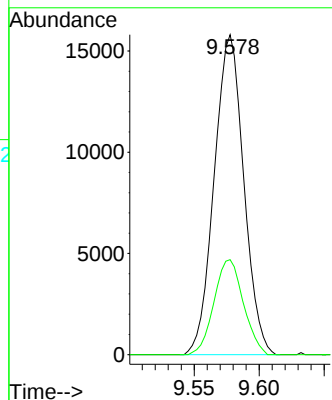
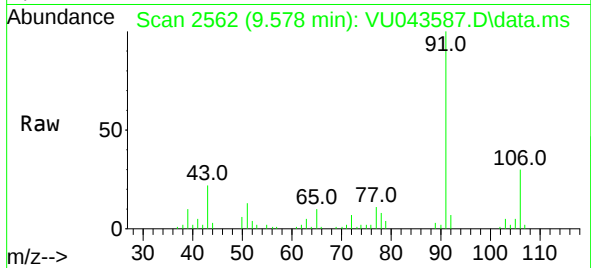




#67
Ethyl Benzene
Concen: 4.16 ug/l
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

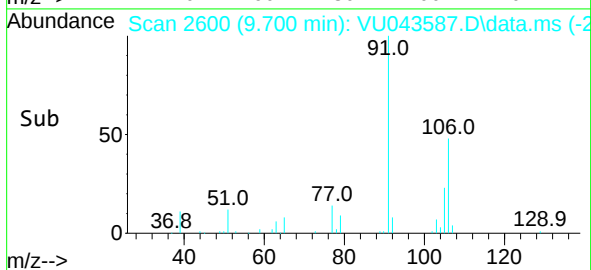
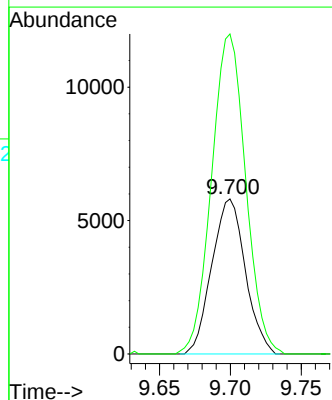
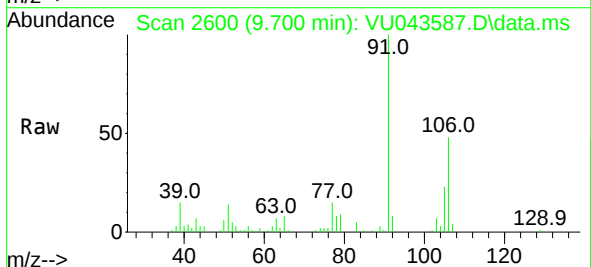
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

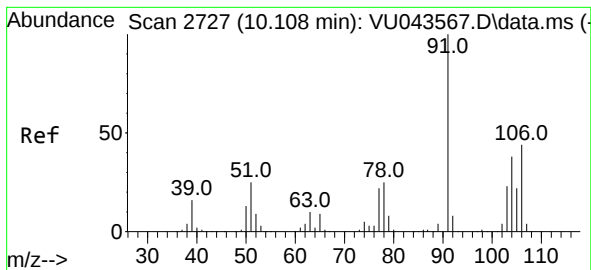
Tgt Ion: 91 Resp: 24969
Ion Ratio Lower Upper
91 100
106 29.7 24.0 36.0



#68
m/p-Xylenes
Concen: 5.19 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion: 106 Resp: 9574
Ion Ratio Lower Upper
106 100
91 209.7 171.7 257.5

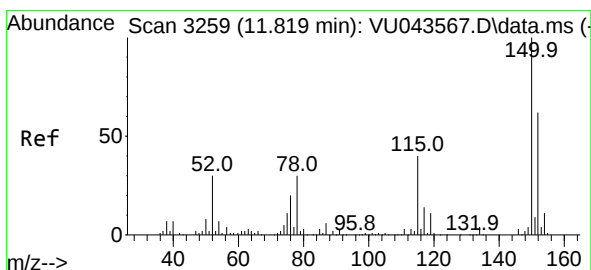
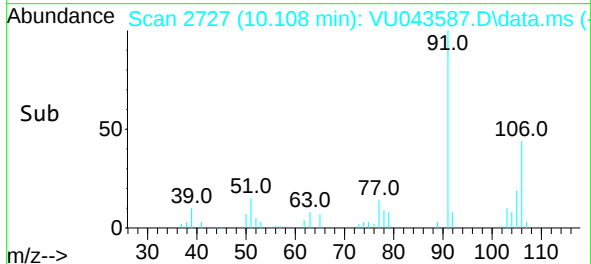
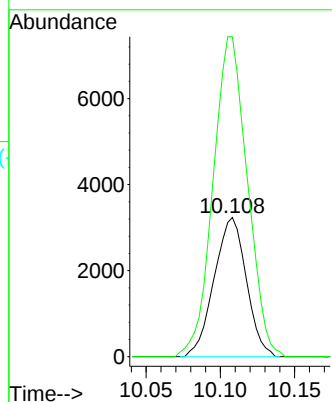
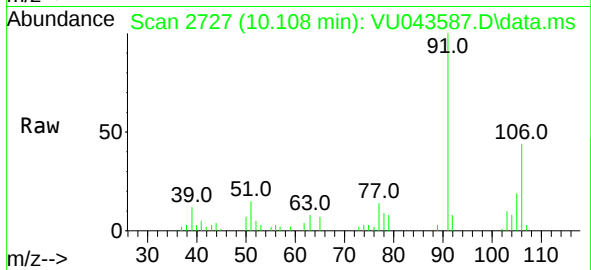




#69
o-Xylene
Concen: 3.34 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

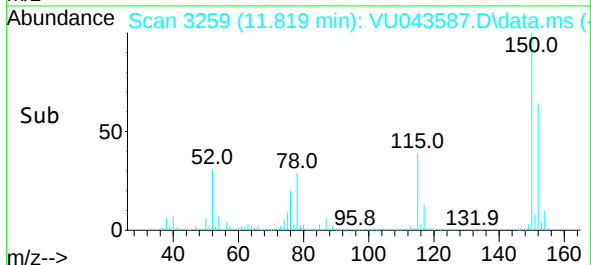
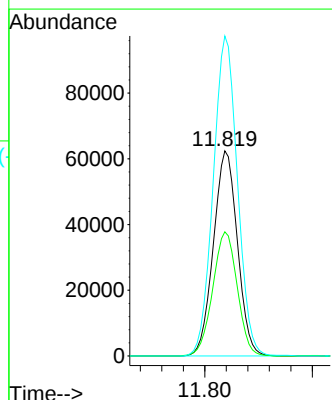
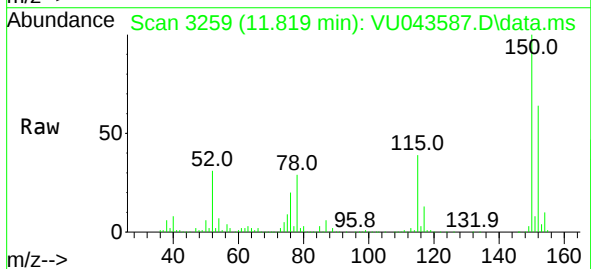
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

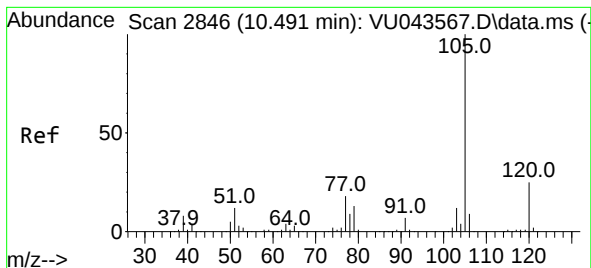
Tgt Ion:106 Resp: 4883
Ion Ratio Lower Upper
106 100
91 244.6 114.5 343.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion:152 Resp: 96762
Ion Ratio Lower Upper
152 100
115 61.8 46.1 138.3
150 157.4 0.0 361.0

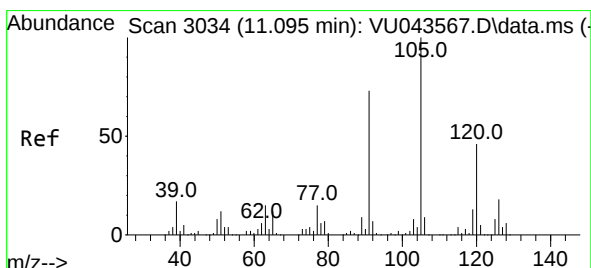
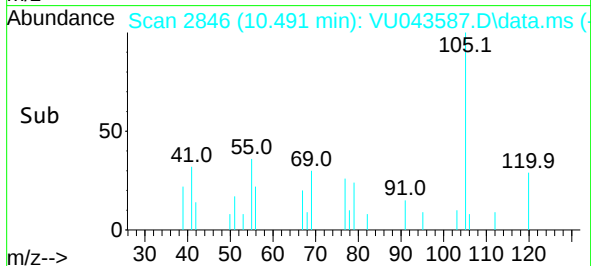
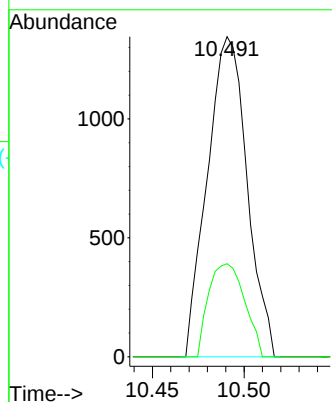
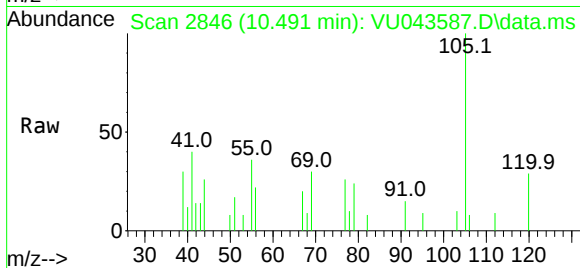




#73
Isopropylbenzene
Concen: 0.29 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

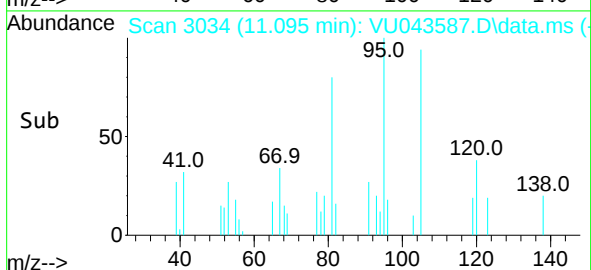
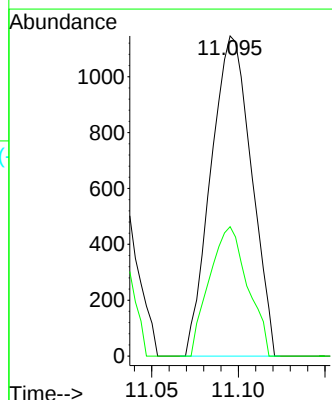
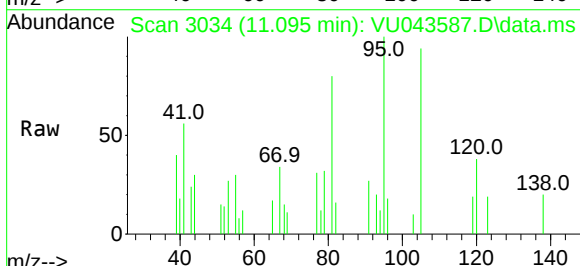
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

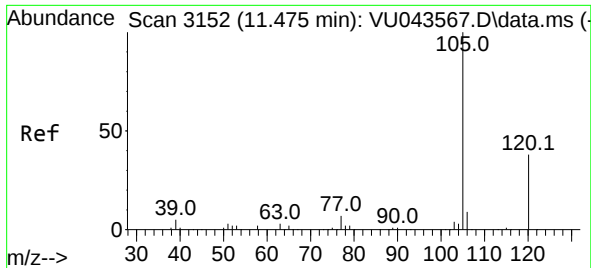
Tgt Ion:105 Resp: 2026
Ion Ratio Lower Upper
105 100
120 26.4 12.6 37.6



#80
1,3,5-Trimethylbenzene
Concen: 1.01 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion:105 Resp: 1862
Ion Ratio Lower Upper
105 100
120 38.2 22.9 68.7

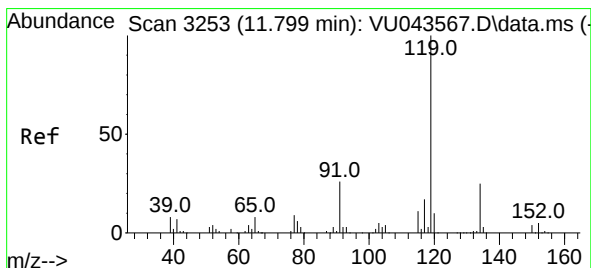
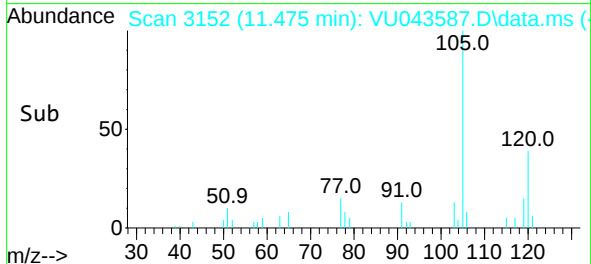
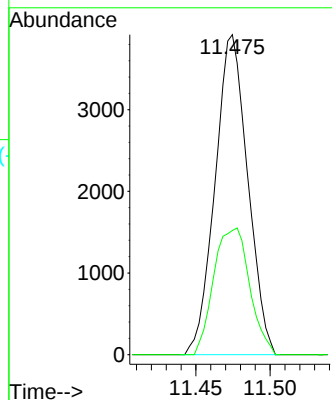
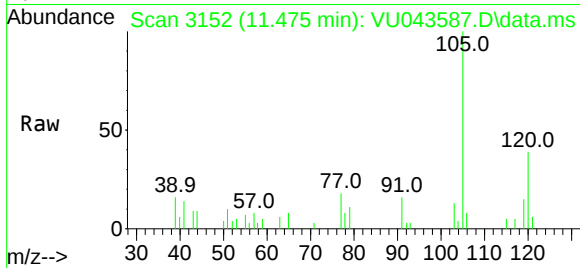




#84
1,2,4-Trimethylbenzene
Concen: 2.00 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

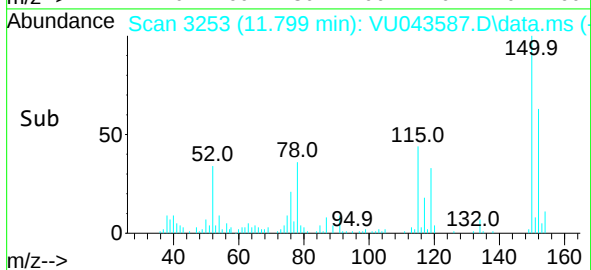
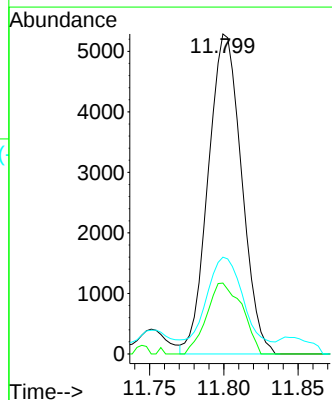
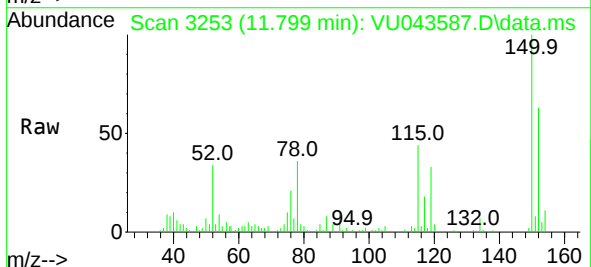
Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

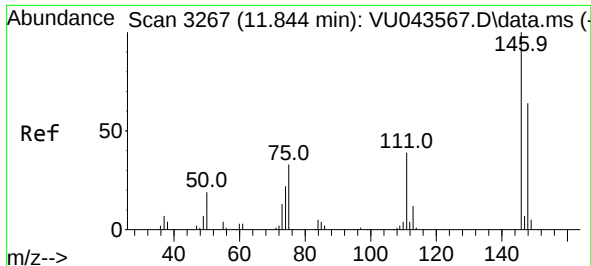
Tgt Ion:105 Resp: 5990
Ion Ratio Lower Upper
105 100
120 43.4 21.4 64.2



#86
p-Isopropyltoluene
Concen: 2.65 ug/l
RT: 11.799 min Scan# 3253
Delta R.T. 0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion:119 Resp: 8247
Ion Ratio Lower Upper
119 100
134 23.6 12.7 38.0
91 36.0 13.3 39.9

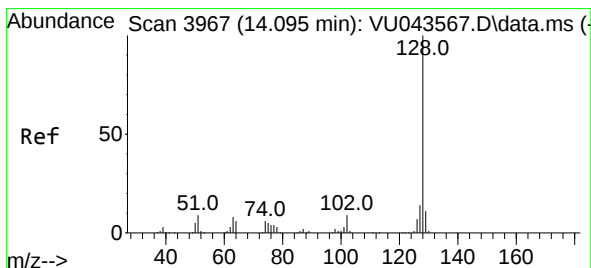
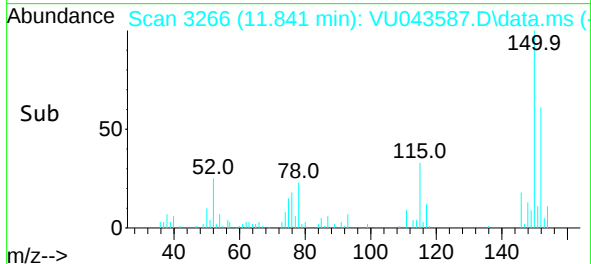
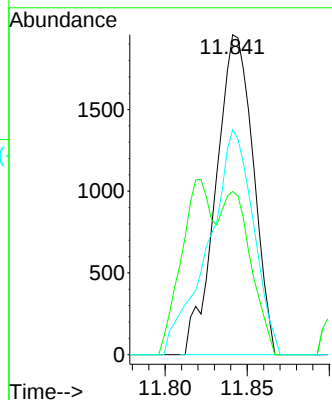
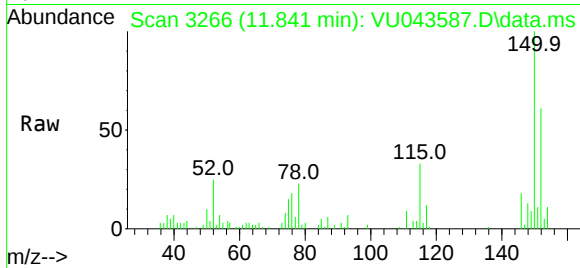




#88
1,4-Dichlorobenzene
Concen: 0.88 ug/l
RT: 11.841 min Scan# 3266
Delta R.T. -0.003 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Instrument :
MSVOA_U
ClientSampleId :
210505078-02-VOA

Tgt Ion:	146	Resp:	3083
Ion	Ratio	Lower	Upper
146	100		
111	48.2	20.2	60.6
148	84.7	31.7	95.1



#95
Naphthalene
Concen: 8.39 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU043587.D
Acq: 06 May 2021 16:46

Tgt Ion:	128	Resp:	58152
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.9	8.6	12.8

