

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112322\
 Data File : VU052112.D
 Acq On : 24 Nov 2022 02:30
 Operator : JC/MD
 Sample : N5759-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 24 07:00:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 05:20:45 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	222452	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	234708	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	90332	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	77047	3.561	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.200%
7) Chloroethane-d5	1.912	69	71791	4.272	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.565	65	29695	3.829	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	4.616	46	205625	52.426	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.860%
24) Chloroform-d	5.060	84	156379	4.919	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.700	65	81552	5.078	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.726	84	302160	4.336	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.690	67	102061	4.733	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.896	98	233287	3.700	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
43) trans-1,3-Dichloroprop...	8.179	79	32566	4.144	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.629	63	161690	48.552	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.100%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	88733	4.746	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	88265	5.104	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	904	0.056	ug/L #	20
13) Acetone	2.620	43	36687	13.775	ug/L	99
15) Methyl Acetate	2.951	43	5775	0.836	ug/L	98
16) Methylene chloride	3.047	84	6985	0.320	ug/L	90
18) trans-1,2-Dichloroethene	3.356	96	5473	0.316	ug/L	86
25) Chloroform	5.089	83	18027	0.571	ug/L	96
34) Trichloroethene	6.542	95	4242	0.223	ug/L	91
35) Methylcyclohexane	6.690	83	23303	0.850	ug/L #	20
37) 1,2-Dichloropropane	6.687	63	10748	0.543	ug/L #	88
42) Toluene	7.967	91	81671	1.039	ug/L	98
47) Tetrachloroethene	8.552	164	4263	0.292	ug/L	93
49) Dibromochloromethane	8.549	129	4240	0.255	ug/L #	12
52) Ethylbenzene	9.571	91	6137	0.080	ug/L	97
53) m,p-Xylene	9.690	106	7091	0.240	ug/L	98
54) o-Xylene	10.102	106	3110	0.110	ug/L	87
55) Styrene	10.118	104	2132	0.045	ug/L	94
61) 1,2,3-Trichloropropane	11.809	75	11278	1.091	ug/L #	70
65) 1,4-Dichlorobenzene	11.838	146	2144	0.074	ug/L	85

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 24 05:20:45 2022
Response via : Initial Calibration

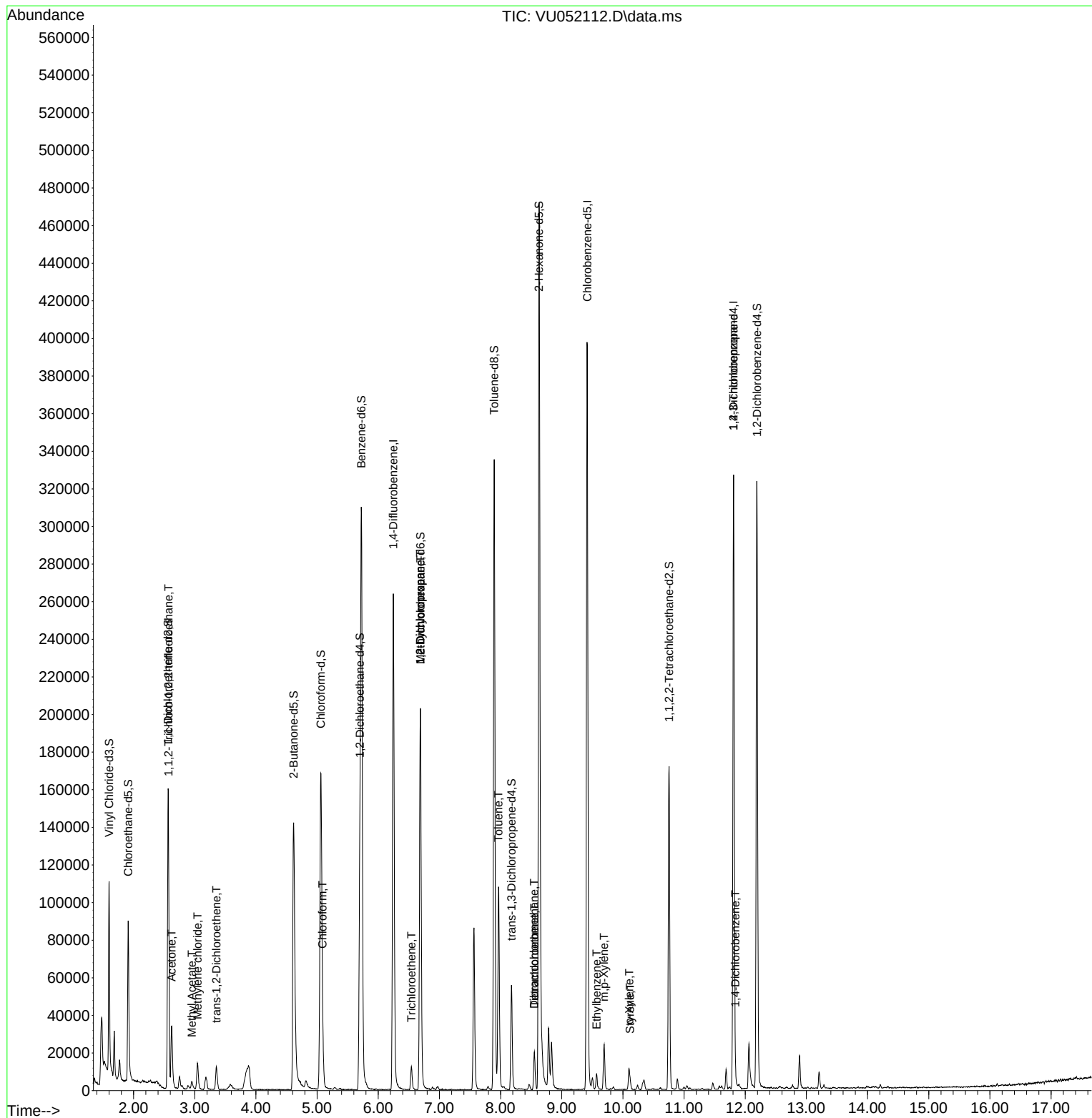
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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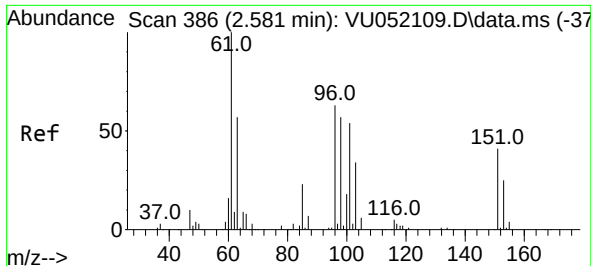
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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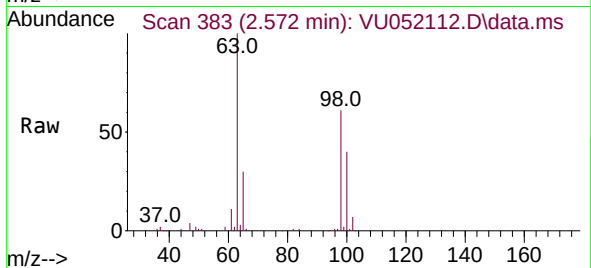
Quant Time: Nov 24 07:00:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
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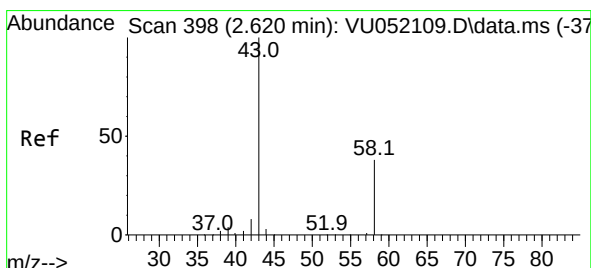
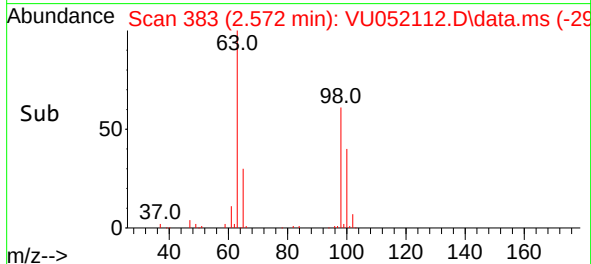
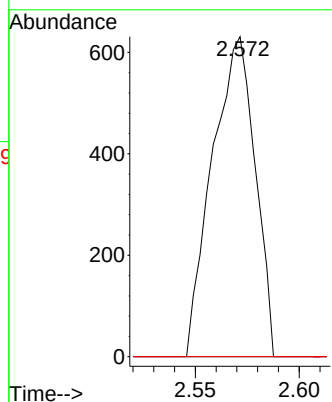


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.056 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.010 min
 Lab File: VU052112.D
 Acq: 24 Nov 2022 02:30

Instrument :
 MSVOA_U
 ClientSampleId :

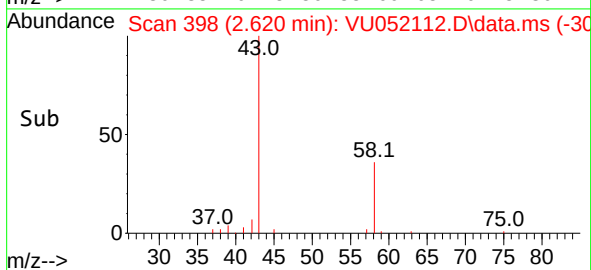
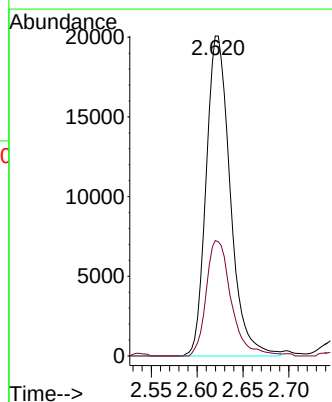
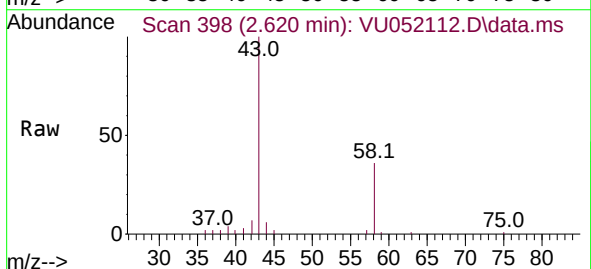


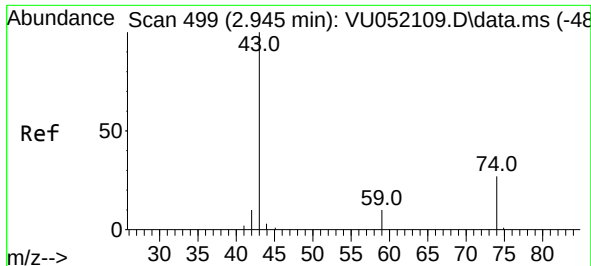
Tgt Ion:101 Resp: 904
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 58.6 88.0#



#13
 Acetone
 Concen: 13.775 ug/L
 RT: 2.620 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VU052112.D
 Acq: 24 Nov 2022 02:30

Tgt Ion: 43 Resp: 36687
 Ion Ratio Lower Upper
 43 100
 58 37.4 0.0 76.0

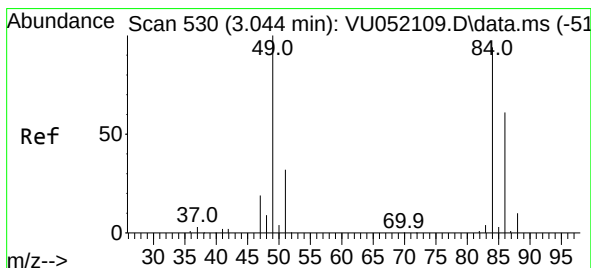
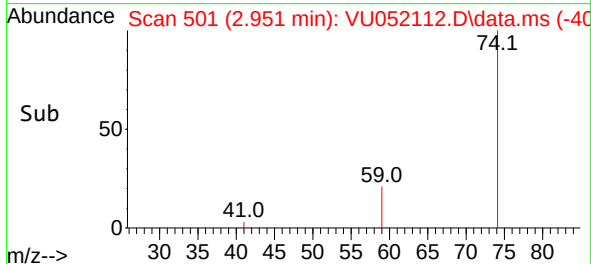
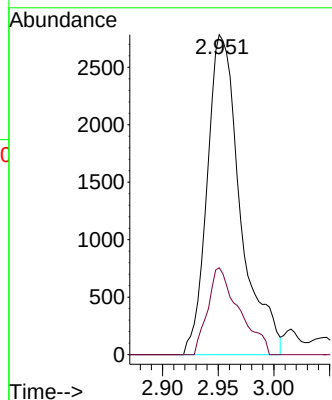
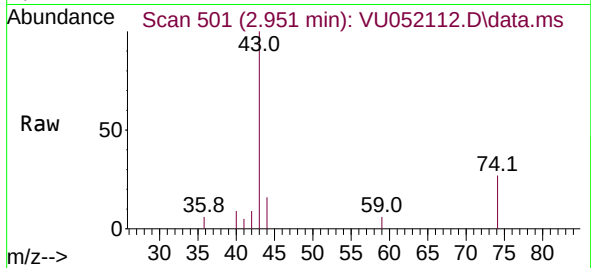




#15
Methyl Acetate
Concen: 0.836 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

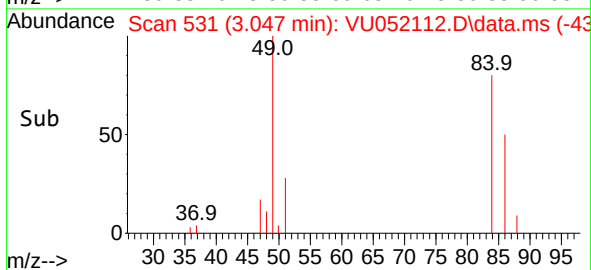
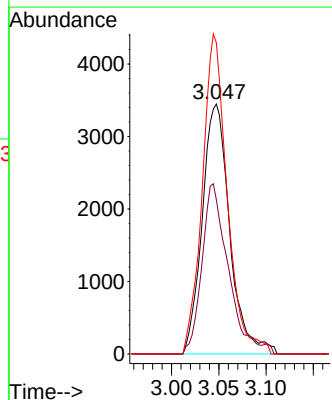
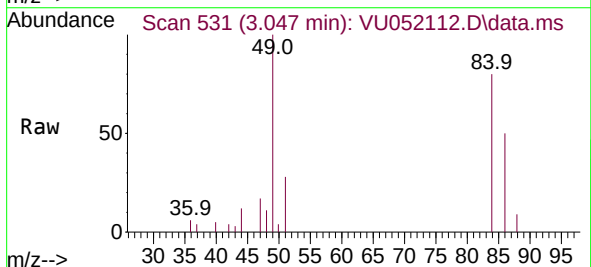
Instrument :
MSVOA_U
ClientSampleId :

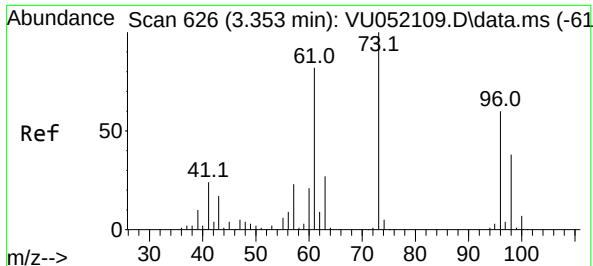
Tgt Ion: 43 Resp: 5775
Ion Ratio Lower Upper
43 100
74 25.6 21.3 31.9



#16
Methylene chloride
Concen: 0.320 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

Tgt Ion: 84 Resp: 6985
Ion Ratio Lower Upper
84 100
86 61.7 43.8 81.4
49 124.5 75.9 141.1





#18

trans-1,2-Dichloroethene

Concen: 0.316 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052112.D

Acq: 24 Nov 2022 02:30

Instrument :

MSVOA_U

ClientSampleId :

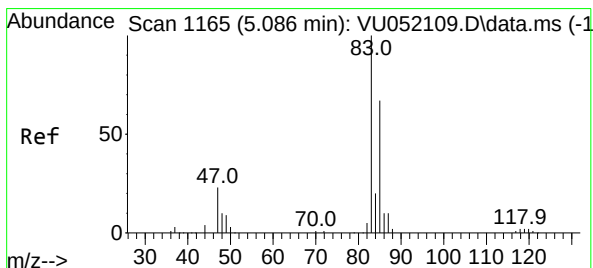
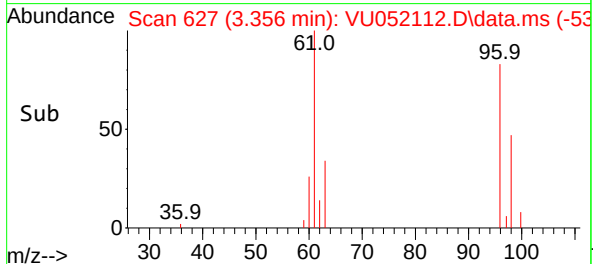
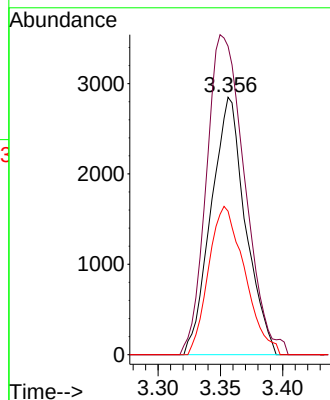
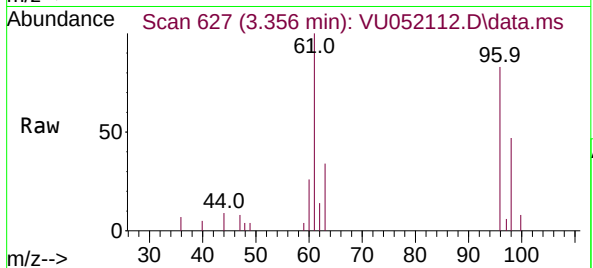
Tgt Ion: 96 Resp: 5473

Ion Ratio Lower Upper

96 100

61 119.8 97.9 181.7

98 55.8 43.8 81.3



#25

Chloroform

Concen: 0.571 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU052112.D

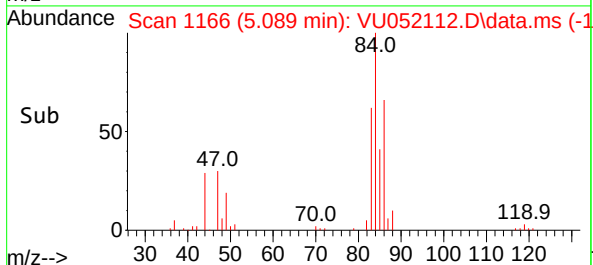
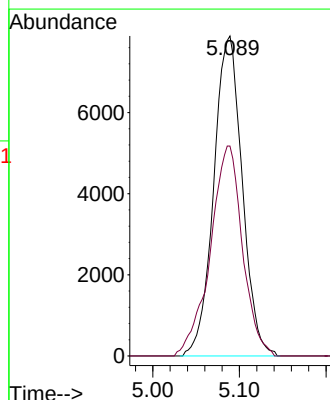
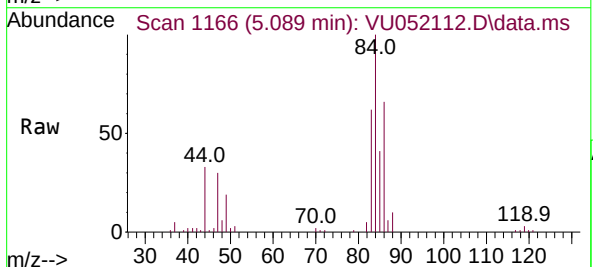
Acq: 24 Nov 2022 02:30

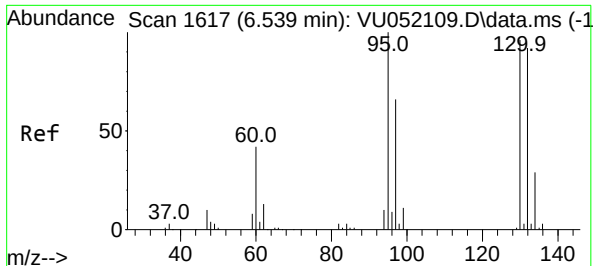
Tgt Ion: 83 Resp: 18027

Ion Ratio Lower Upper

83 100

85 65.6 43.8 81.4

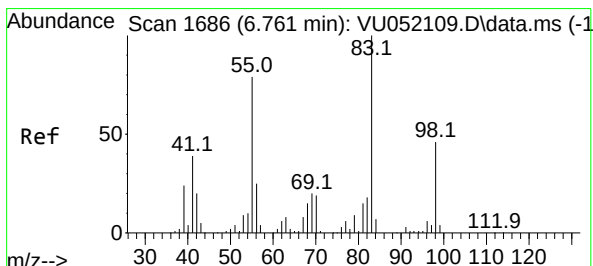
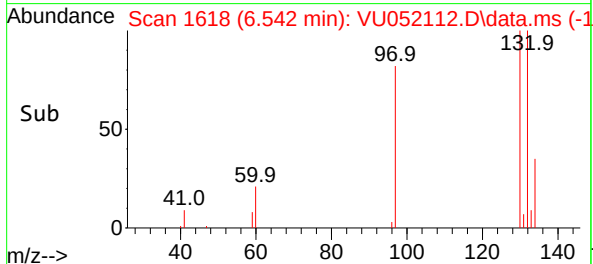
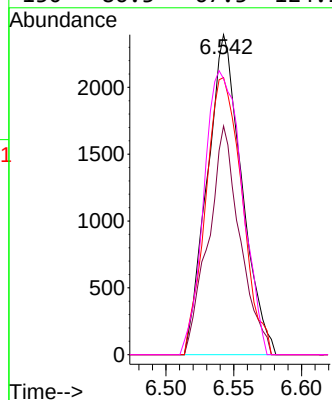
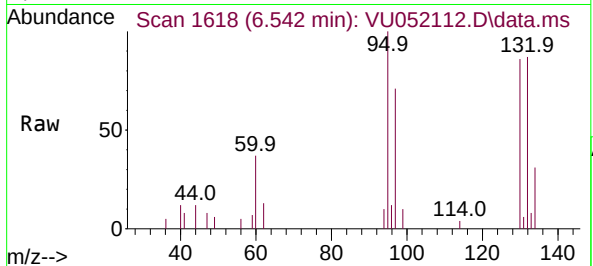




#34
Trichloroethene
Concen: 0.223 ug/L
RT: 6.542 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

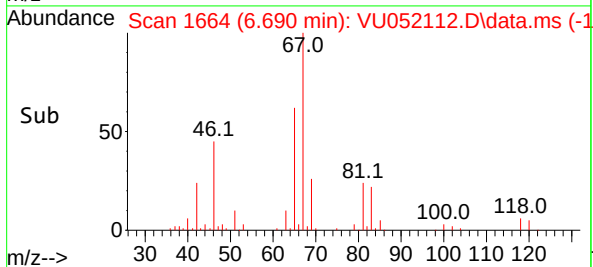
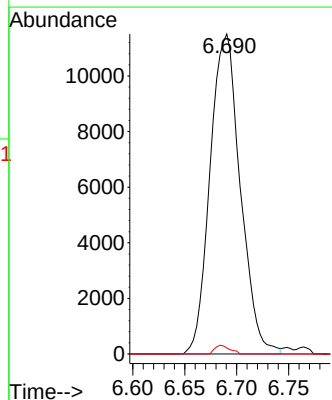
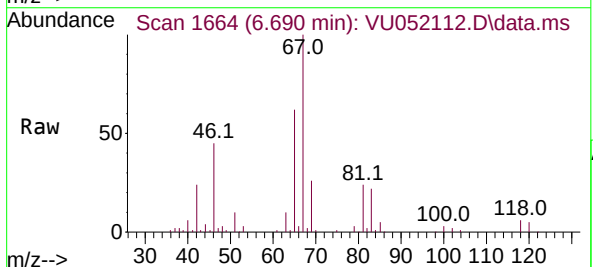
Instrument :
MSVOA_U
ClientSampleId :

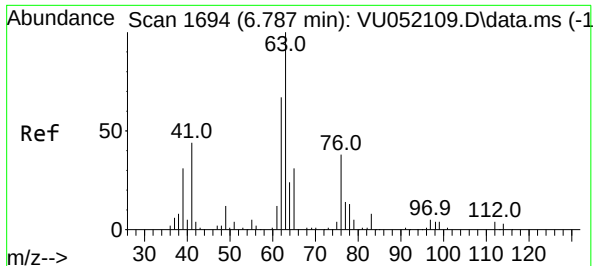
Tgt Ion: 95 Resp: 4242
Ion Ratio Lower Upper
95 100
97 71.4 43.7 81.1
132 86.6 64.3 119.3
130 86.3 67.3 124.9



#35
Methylcyclohexane
Concen: 0.850 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

Tgt Ion: 83 Resp: 23303
Ion Ratio Lower Upper
83 100
55 0.2 60.8 91.2#
98 1.3 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.543 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052112.D

Acq: 24 Nov 2022 02:30

Instrument :

MSVOA_U

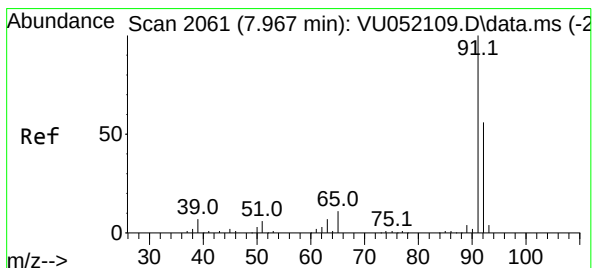
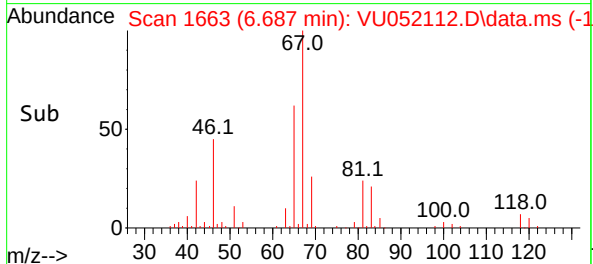
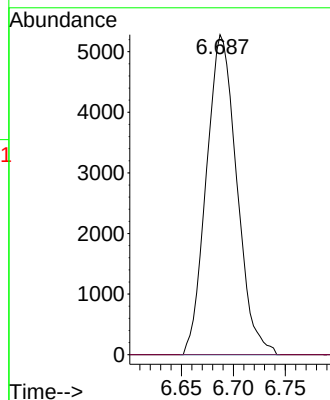
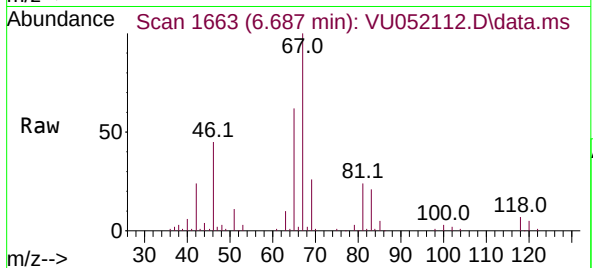
ClientSampleId :

Tgt Ion: 63 Resp: 10748

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 1.039 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052112.D

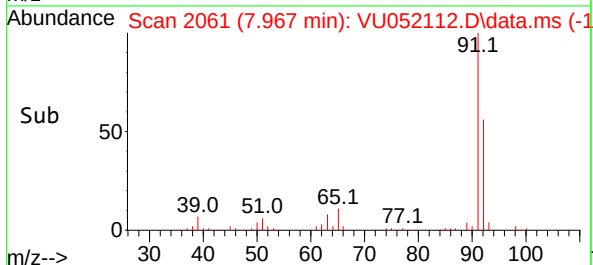
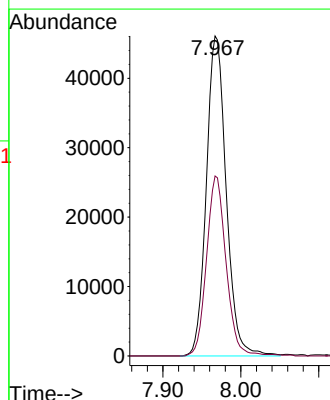
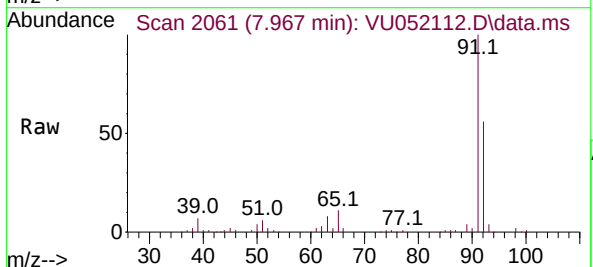
Acq: 24 Nov 2022 02:30

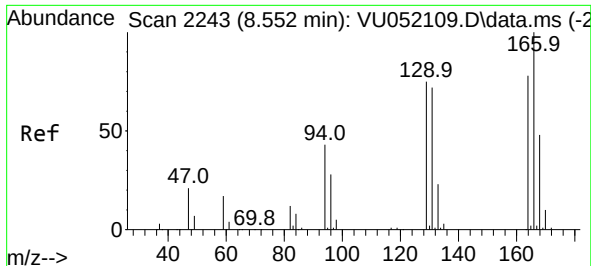
Tgt Ion: 91 Resp: 81671

Ion Ratio Lower Upper

91 100

92 56.2 40.7 75.5





#47

Tetrachloroethene

Concen: 0.292 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.000 min

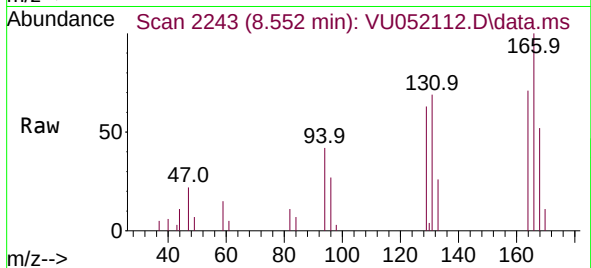
Lab File: VU052112.D

Acq: 24 Nov 2022 02:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 4263

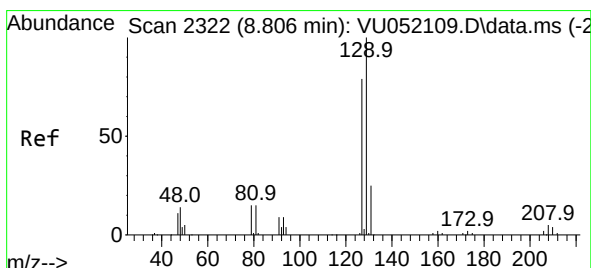
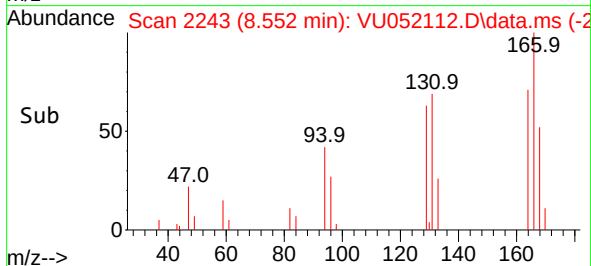
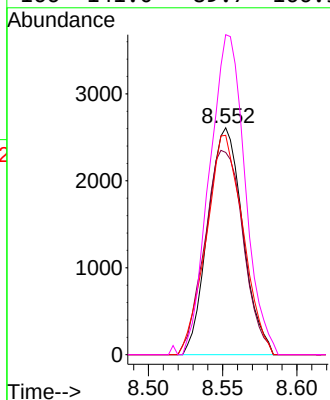
Ion Ratio Lower Upper

164 100

129 89.2 67.4 125.2

131 96.7 67.1 124.7

166 141.0 89.7 166.5



#49

Dibromochloromethane

Concen: 0.255 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.257 min

Lab File: VU052112.D

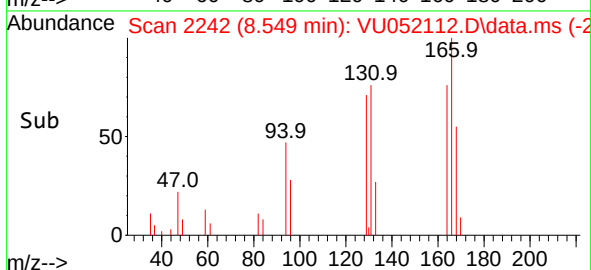
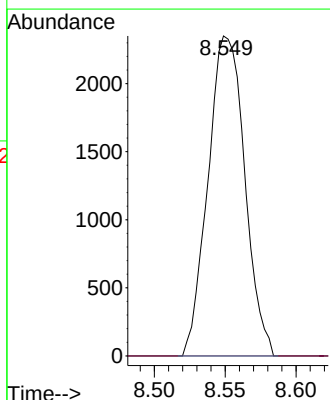
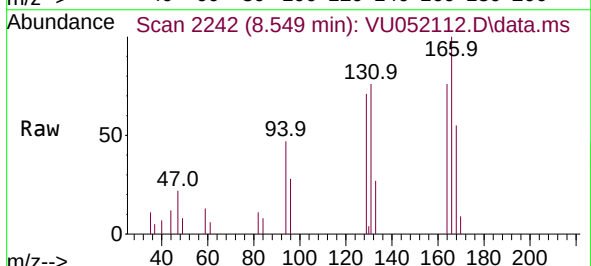
Acq: 24 Nov 2022 02:30

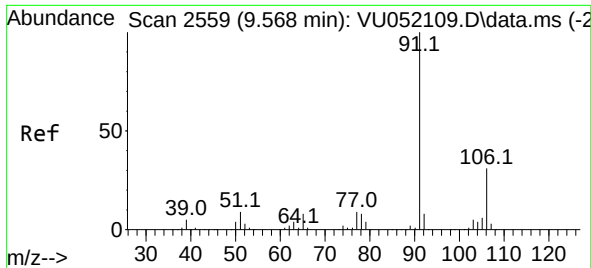
Tgt Ion:129 Resp: 4240

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#

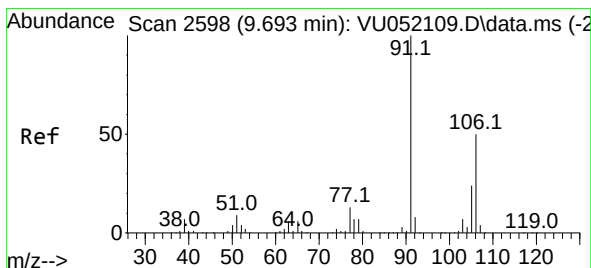
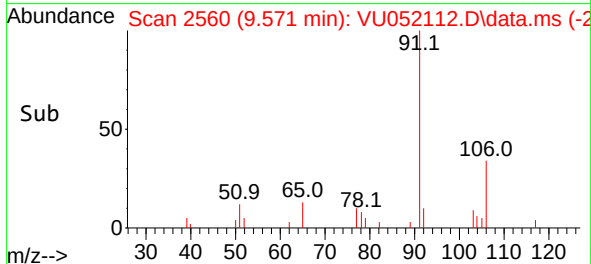
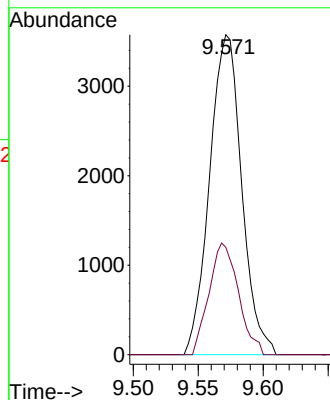
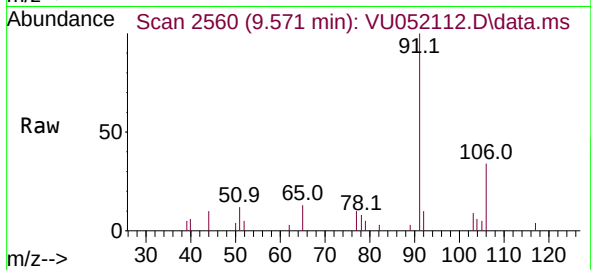




#52
Ethylbenzene
Concen: 0.080 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

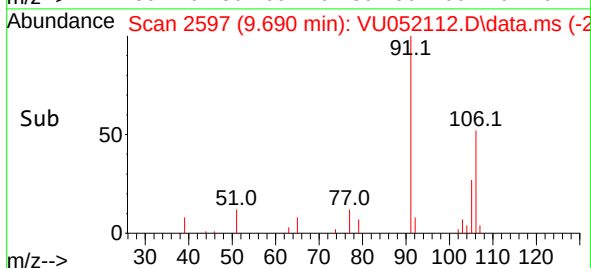
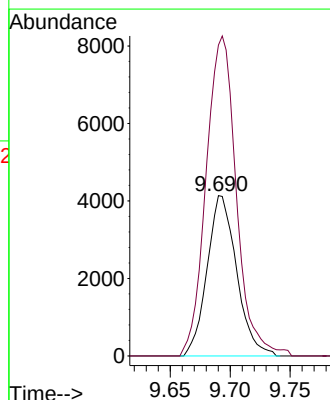
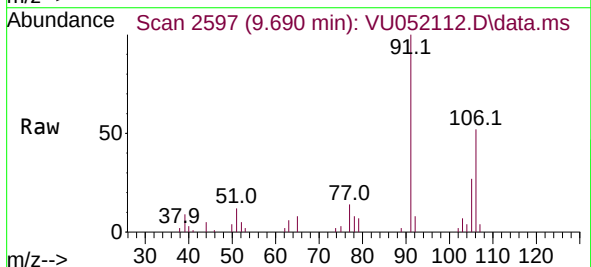
Instrument :
MSVOA_U
ClientSampleId :

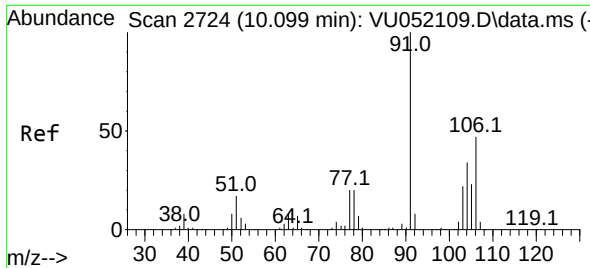
Tgt Ion: 91 Resp: 6137
Ion Ratio Lower Upper
91 100
106 33.6 22.3 41.3



#53
m,p-Xylene
Concen: 0.240 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

Tgt Ion: 106 Resp: 7091
Ion Ratio Lower Upper
106 100
91 193.8 137.7 255.7

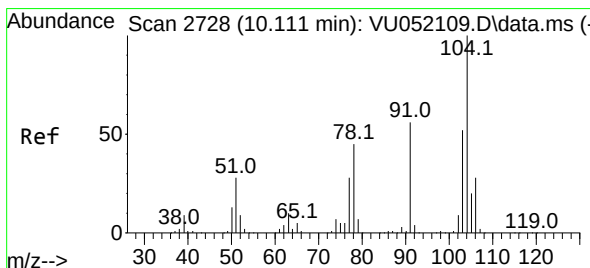
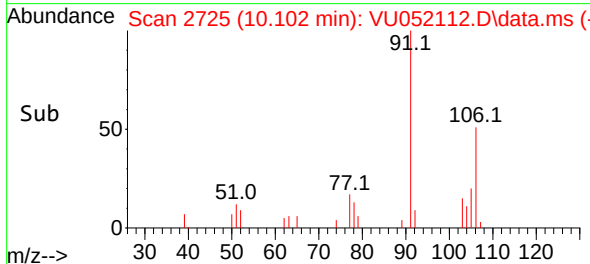
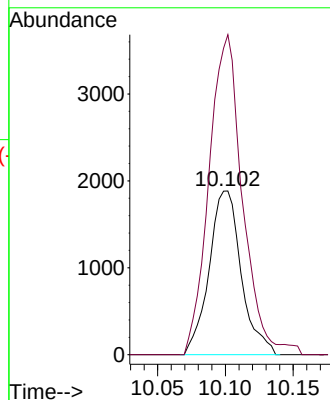
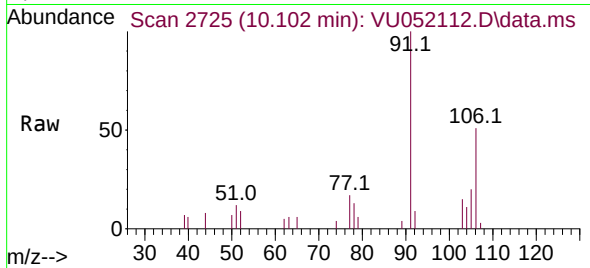




#54
o-Xylene
Concen: 0.110 ug/L
RT: 10.102 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

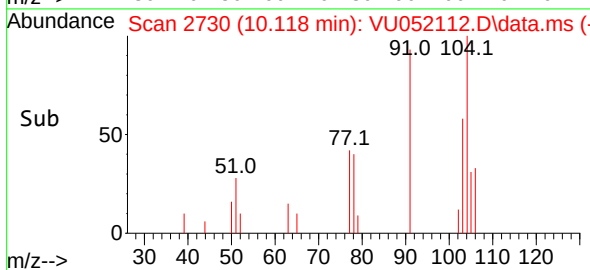
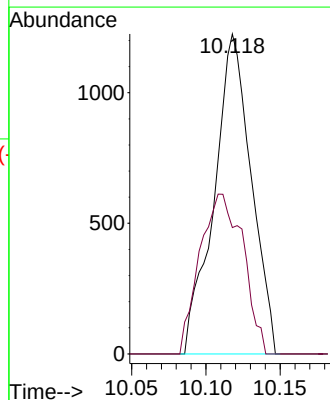
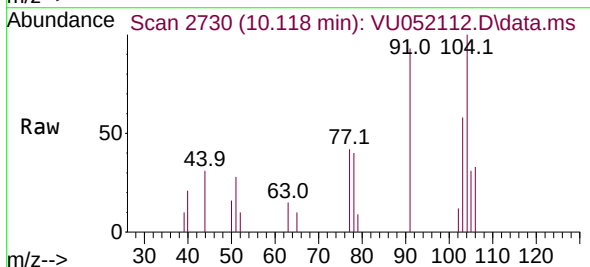
Instrument :
MSVOA_U
ClientSampleId :

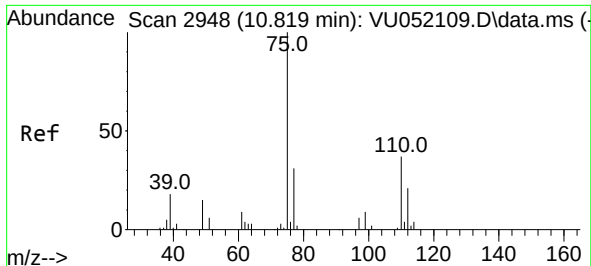
Tgt Ion:106 Resp: 3110
Ion Ratio Lower Upper
106 100
91 195.4 151.5 281.5



#55
Styrene
Concen: 0.045 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.006 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

Tgt Ion:104 Resp: 2132
Ion Ratio Lower Upper
104 100
78 39.5 30.6 56.8

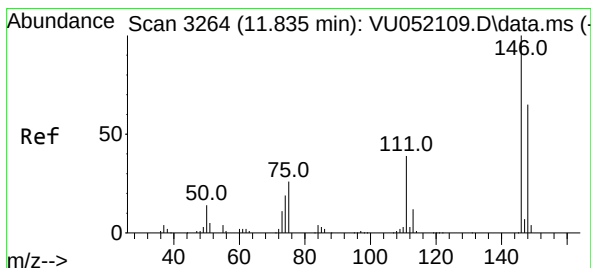
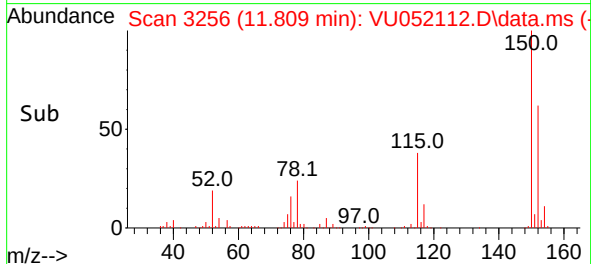
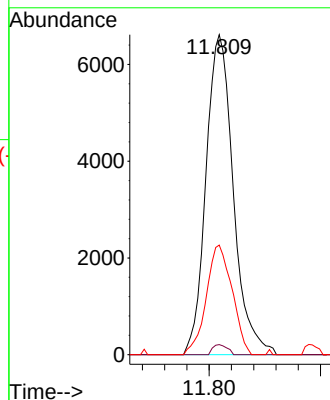
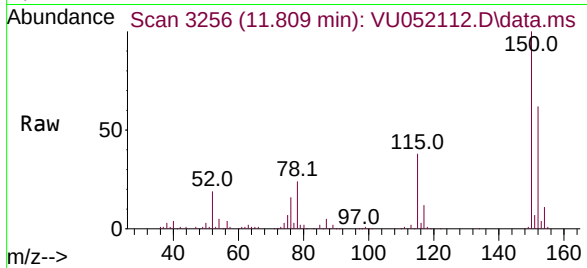




#61
1,2,3-Trichloropropane
Concen: 1.091 ug/L
RT: 11.809 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 11278
Ion Ratio Lower Upper
75 100
110 1.7 28.3 42.5#
77 32.3 26.2 39.2



#65
1,4-Dichlorobenzene
Concen: 0.074 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU052112.D
Acq: 24 Nov 2022 02:30

Tgt Ion:146 Resp: 2144
Ion Ratio Lower Upper
146 100
111 35.5 26.9 50.1
148 48.0 45.1 83.7

