

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
 Data File : VU061114.D
 Acq On : 11 Oct 2024 13:25
 Operator : MD/SY
 Sample : P4380-22
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 04:18:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 11 06:46:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	156587	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	146300	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72169	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	46021	4.111	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.200%
7) Chloroethane-d5	1.901	69	40230	4.801	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.551	65	21100	4.272	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	4.692	46	127780	47.650	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.300%
24) Chloroform-d	5.049	84	101251	5.132	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	5.692	65	53566	5.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.711	84	196126	5.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	6.682	67	66918	5.282	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.600%
41) Toluene-d8	7.888	98	180198	4.998	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
43) trans-1,3-Dichloroprop...	8.174	79	25516	4.711	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.634	63	124689	55.615	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.220%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	49162	5.292	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	64210	5.564	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.486	50	16661	1.512	ug/L #	43
8) Chloroethane	1.904	64	9510	1.417	ug/L #	52
14) Carbon disulfide	2.772	76	4378	0.142	ug/L #	87
15) Methyl Acetate	2.943	43	1221	0.291	ug/L #	52
18) trans-1,2-Dichloroethene	3.325	96	2043	0.206	ug/L	91
22) cis-1,2-Dichloroethene	4.647	96	43580	3.948	ug/L	97
30) Cyclohexane	5.357	56	3464	0.184	ug/L #	76
33) Benzene	5.759	78	39753	0.922	ug/L	100
34) Trichloroethene	6.531	95	20275	1.734	ug/L	96
35) Methylcyclohexane	6.746	83	2799	0.148	ug/L #	66
37) 1,2-Dichloropropane	6.682	63	7331	0.645	ug/L #	93
42) Toluene	7.959	91	174078	3.789	ug/L	100
47) Tetrachloroethene	8.541	164	173602	22.816	ug/L	96
49) Dibromochloromethane	8.541	129	175639	20.041	ug/L #	9
52) Ethylbenzene	9.563	91	26305	0.505	ug/L	96
53) m,p-Xylene	9.685	106	25688	1.353	ug/L	94
54) o-Xylene	10.094	106	13901	0.744	ug/L	91
55) Styrene	10.110	104	7787	0.258	ug/L	85
60) Isopropylbenzene	10.991	105	48368	1.002	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 11 06:46:55 2024
Response via : Initial Calibration

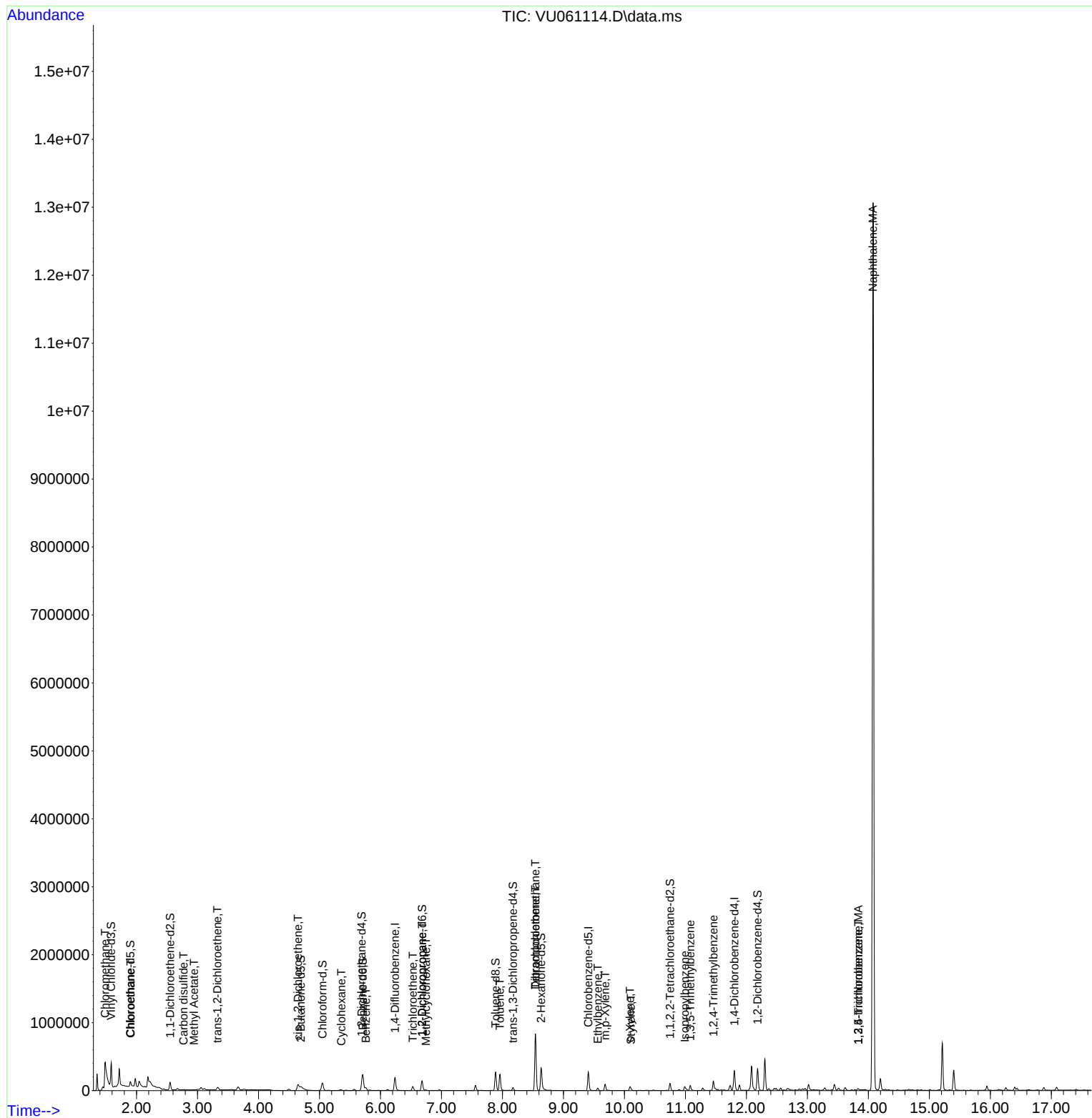
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.081	105	39393	0.926	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	76553	1.783	ug/L	97
69) 1,3,5-Trichlorobenzene	13.836	180	3056	0.210	ug/L #	89
70) 1,2,4-trichlorobenzene	13.836	180	3056	0.274	ug/L #	87
71) Naphthalene	14.077	128	9601875	526.525	ug/L	99

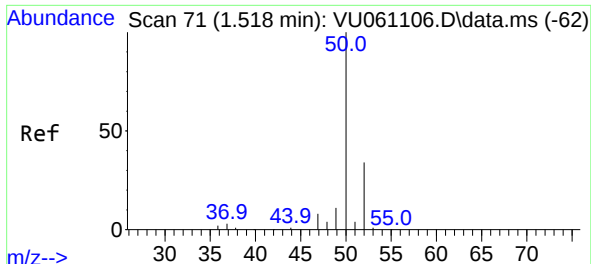
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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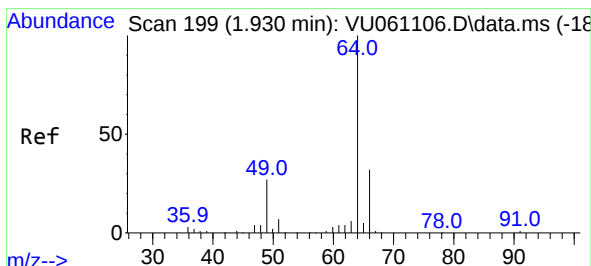
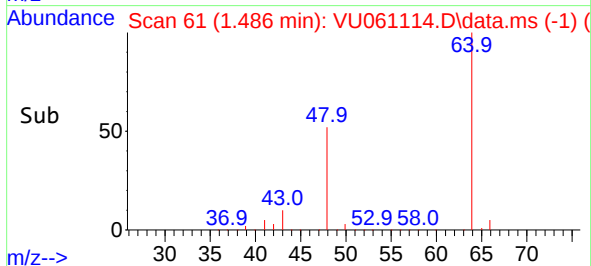
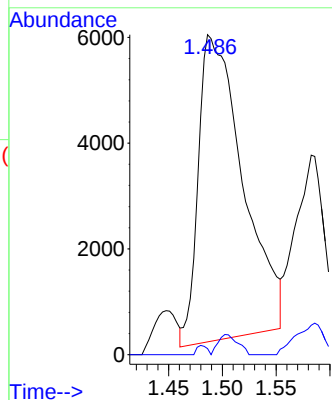
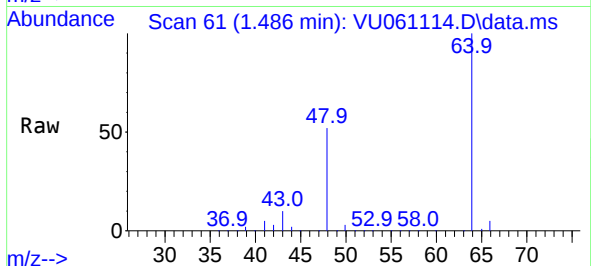




#3
Chloromethane
Concen: 1.512 ug/L
RT: 1.486 min Scan# 61
Delta R.T. -0.032 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

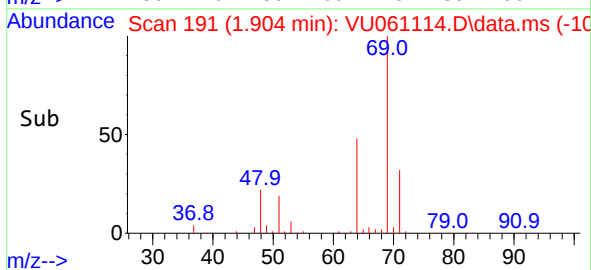
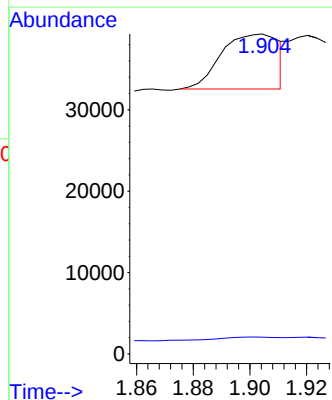
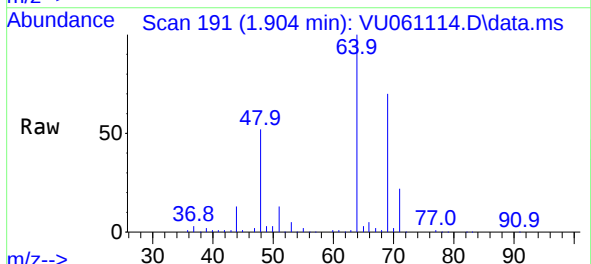
Instrument :
MSVOA_U
ClientSampleId :

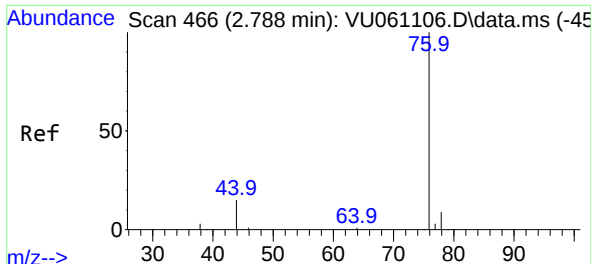
Tgt Ion: 50 Resp: 16661
Ion Ratio Lower Upper
50 100
52 1.9 24.4 45.4#



#8
Chloroethane
Concen: 1.417 ug/L
RT: 1.904 min Scan# 191
Delta R.T. -0.026 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion: 64 Resp: 9510
Ion Ratio Lower Upper
64 100
66 5.2 22.3 41.3#

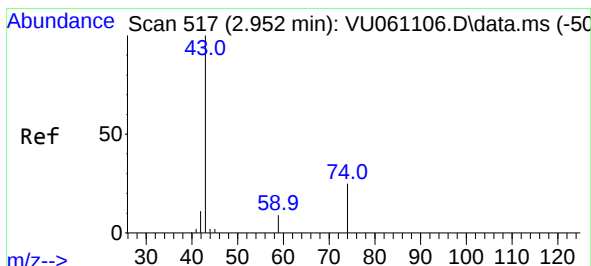
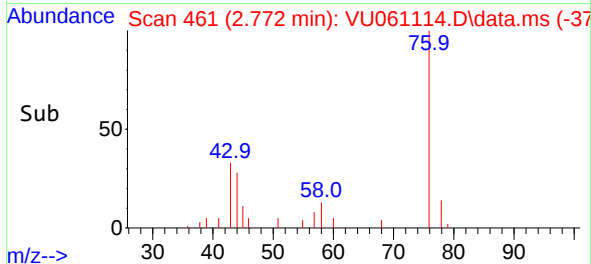
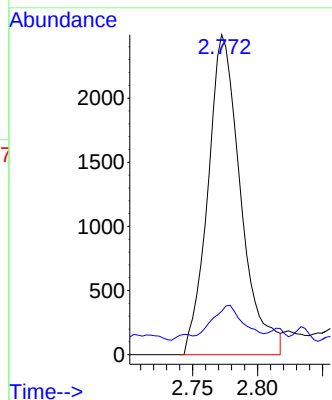
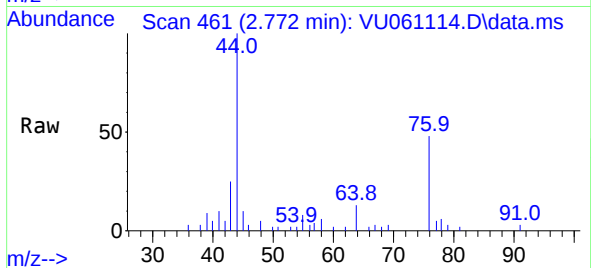




#14
Carbon disulfide
Concen: 0.142 ug/L
RT: 2.772 min Scan# 41
Delta R.T. -0.016 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

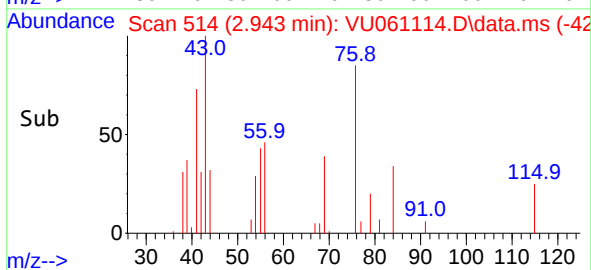
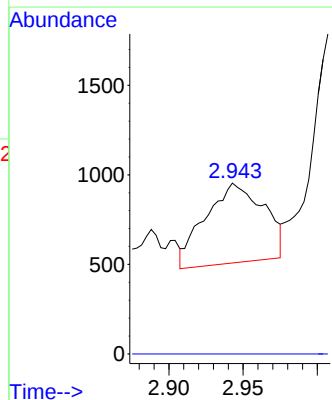
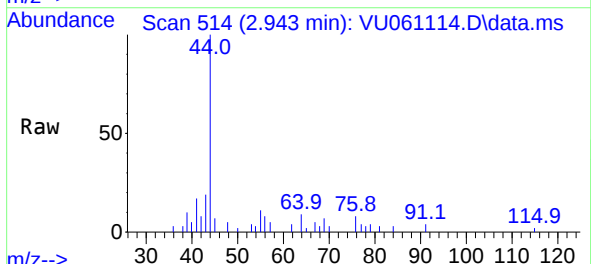
Instrument :
MSVOA_U
ClientSampleId :

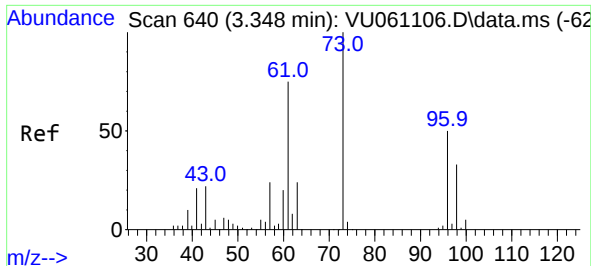
Tgt Ion: 76 Resp: 4378
Ion Ratio Lower Upper
76 100
78 13.5 7.1 10.7#



#15
Methyl Acetate
Concen: 0.291 ug/L
RT: 2.943 min Scan# 514
Delta R.T. -0.010 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

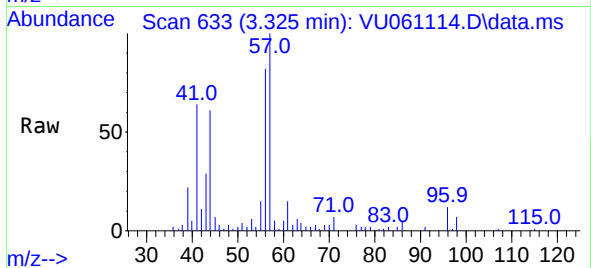
Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



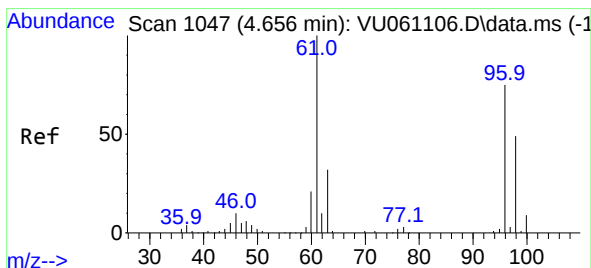
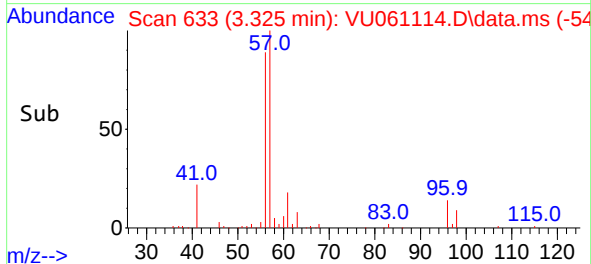
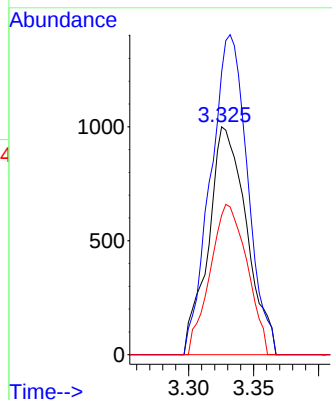


#18
trans-1,2-Dichloroethene
Concen: 0.206 ug/L
RT: 3.325 min Scan# 61
Delta R.T. -0.022 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Instrument :
MSVOA_U
ClientSampleId :

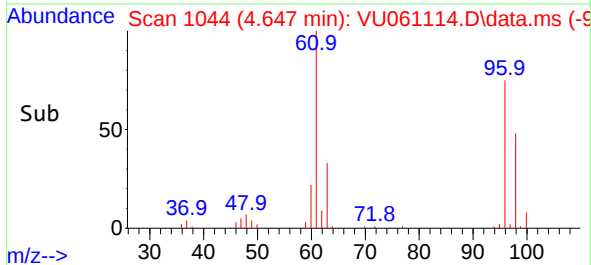
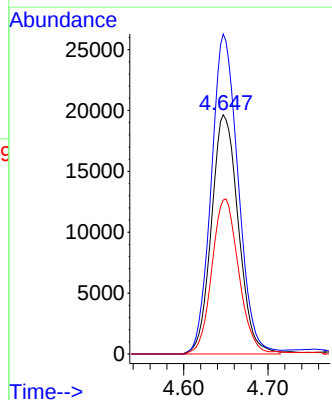
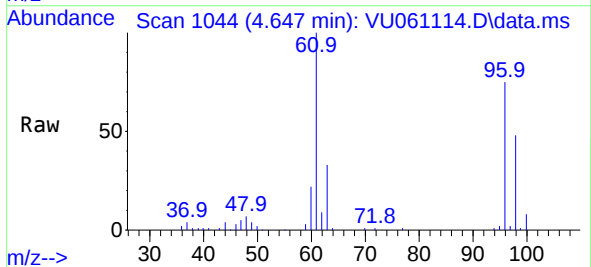


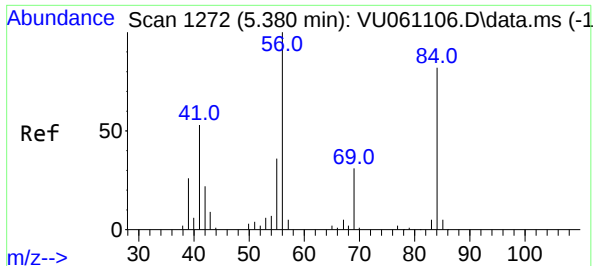
Tgt Ion: 96 Resp: 2043
Ion Ratio Lower Upper
96 100
61 124.0 97.2 180.6
98 61.2 43.3 80.5



#22
cis-1,2-Dichloroethene
Concen: 3.948 ug/L
RT: 4.647 min Scan# 1044
Delta R.T. -0.013 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion: 96 Resp: 43580
Ion Ratio Lower Upper
96 100
61 133.8 89.7 166.5
98 64.3 45.1 83.9





#30

Cyclohexane

Concen: 0.184 ug/L

RT: 5.357 min Scan# 11

Delta R.T. -0.022 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

Instrument :

MSVOA_U

ClientSampleId :

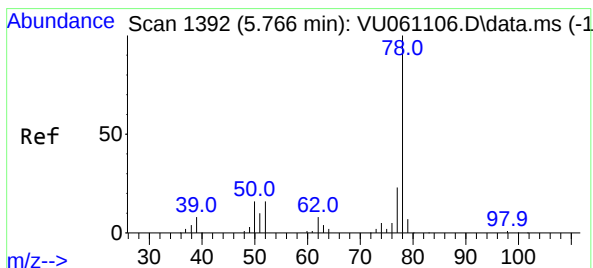
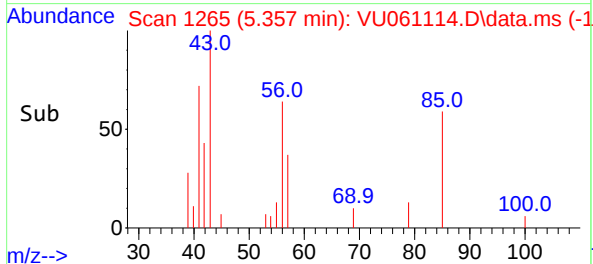
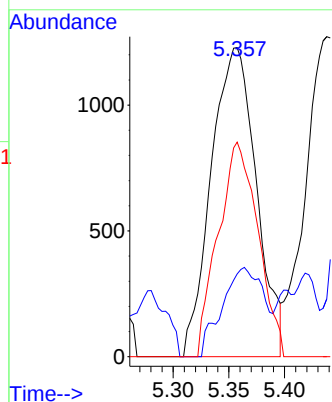
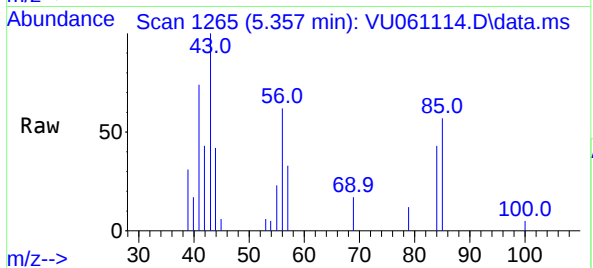
Tgt Ion: 56 Resp: 3464

Ion Ratio Lower Upper

56 100

69 26.9 25.4 38.0

84 61.3 71.0 106.6#



#33

Benzene

Concen: 0.922 ug/L

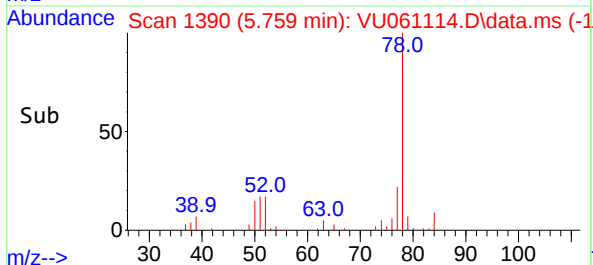
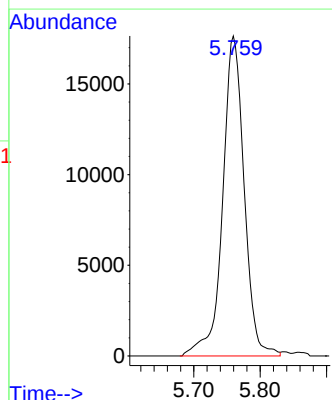
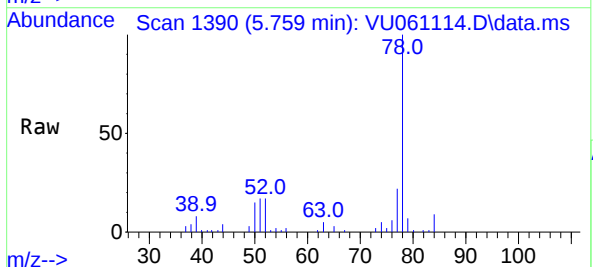
RT: 5.759 min Scan# 1390

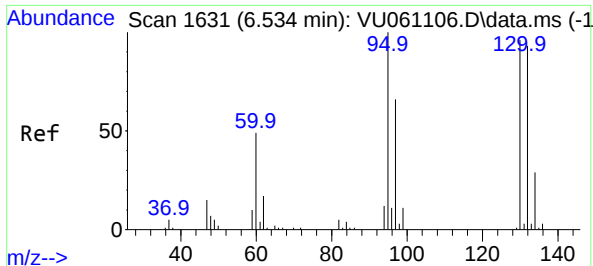
Delta R.T. -0.006 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

Tgt Ion: 78 Resp: 39753





#34

Trichloroethene

Concen: 1.734 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 20275

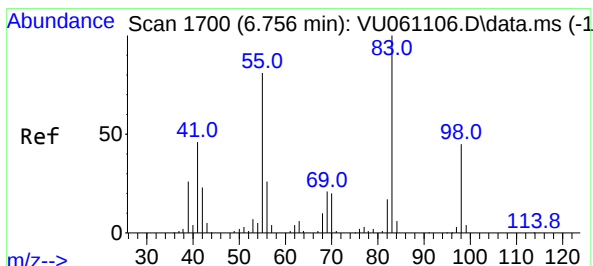
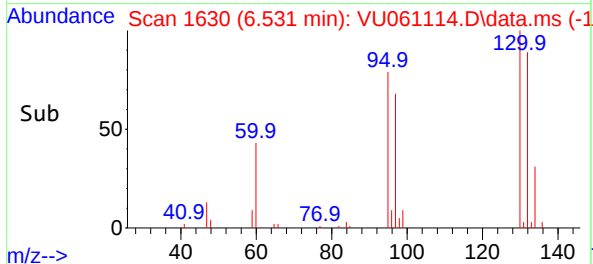
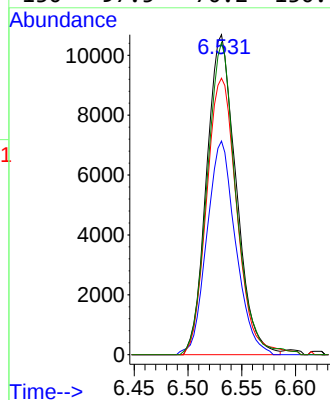
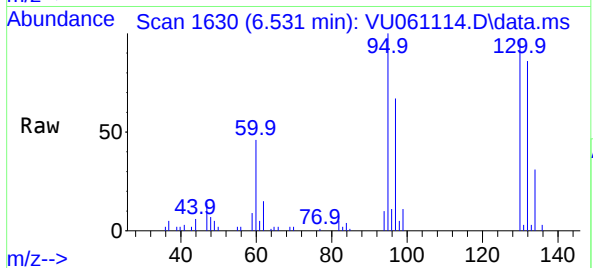
Ion Ratio Lower Upper

95 100

97 66.8 44.9 83.5

132 86.4 63.5 117.9

130 97.5 70.2 130.4



#35

Methylcyclohexane

Concen: 0.148 ug/L

RT: 6.746 min Scan# 1697

Delta R.T. -0.010 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

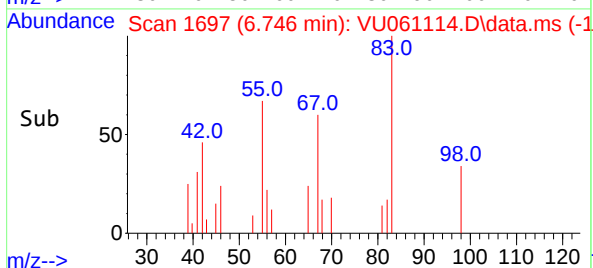
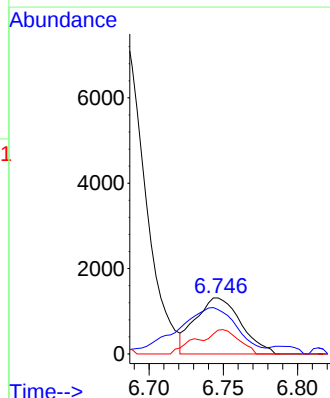
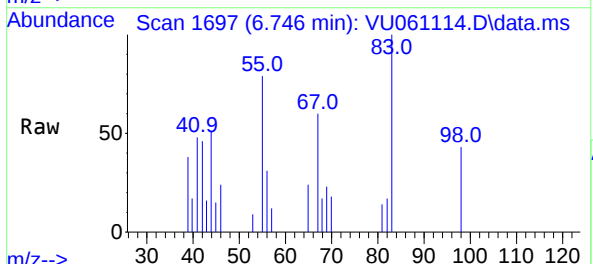
Tgt Ion: 83 Resp: 2799

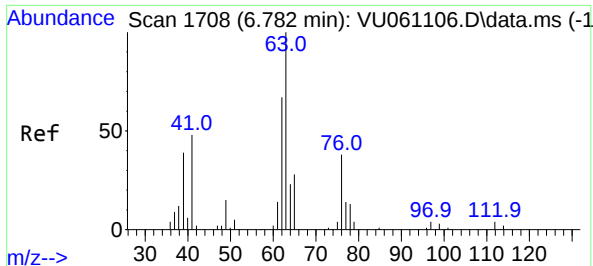
Ion Ratio Lower Upper

83 100

55 109.6 62.6 94.0#

98 26.9 37.6 56.4#

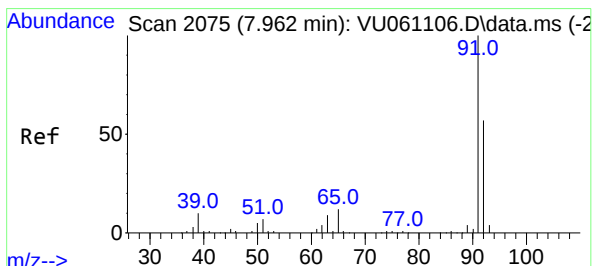
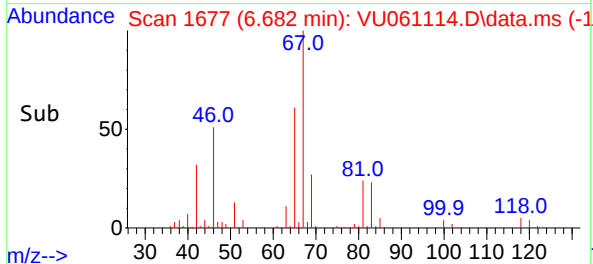
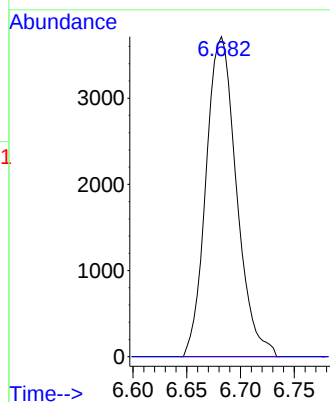
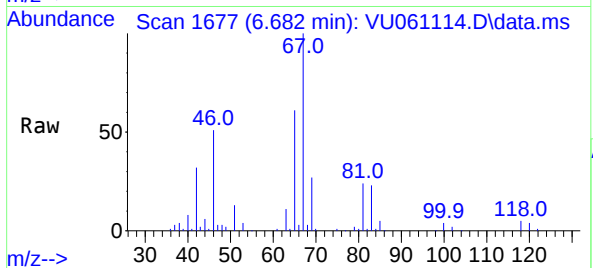




#37
1,2-Dichloropropane
Concen: 0.645 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

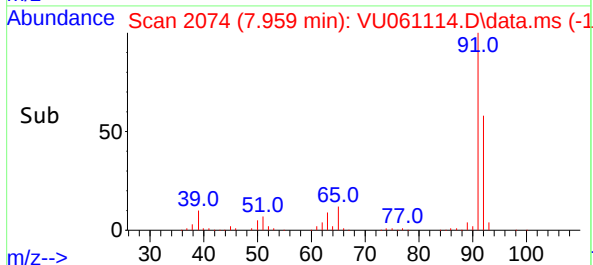
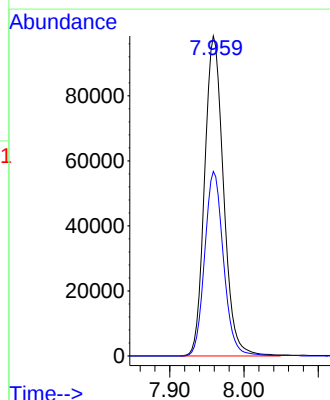
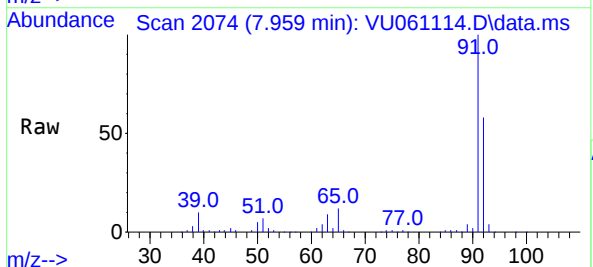
Instrument :
MSVOA_U
ClientSampleId :

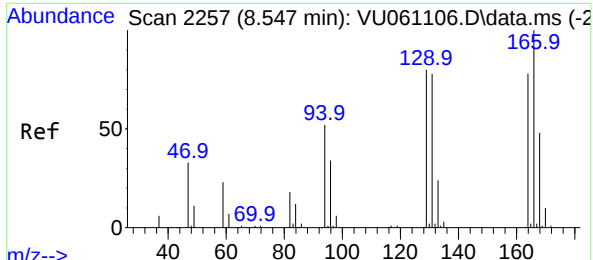
Tgt Ion: 63 Resp: 7331
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 3.789 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. -0.003 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion: 91 Resp: 174078
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.3

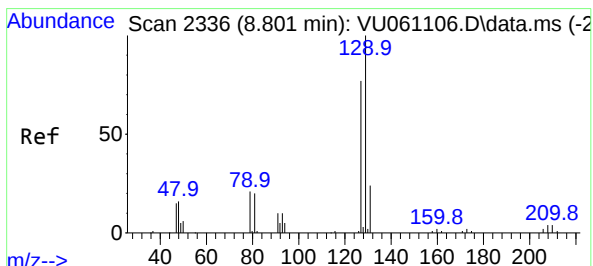
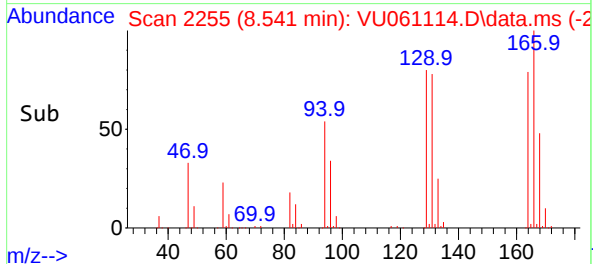
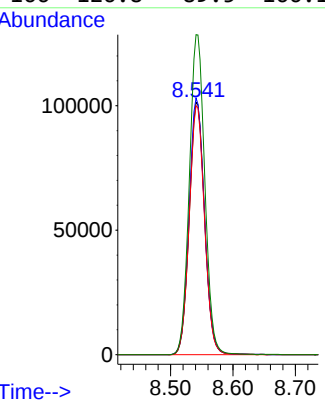
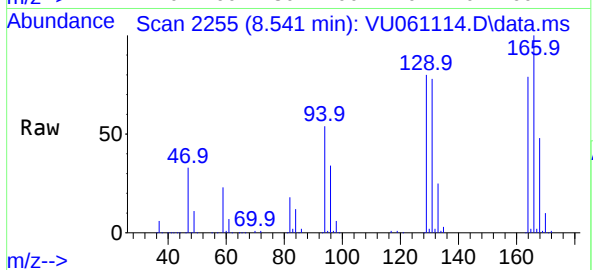




#47
Tetrachloroethene
Concen: 22.816 ug/L
RT: 8.541 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

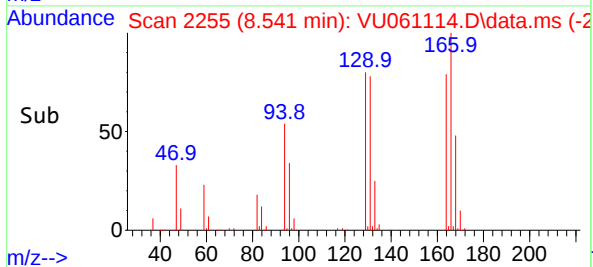
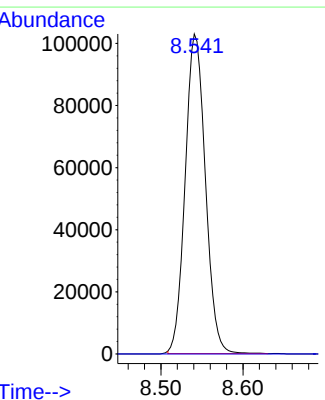
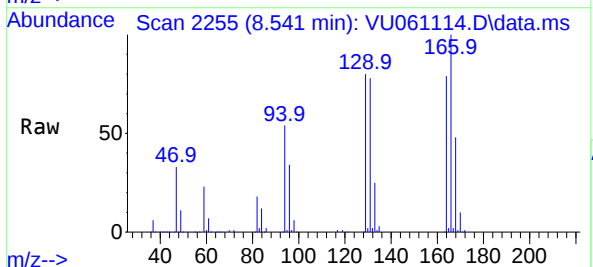
Instrument :
MSVOA_U
ClientSampleId :

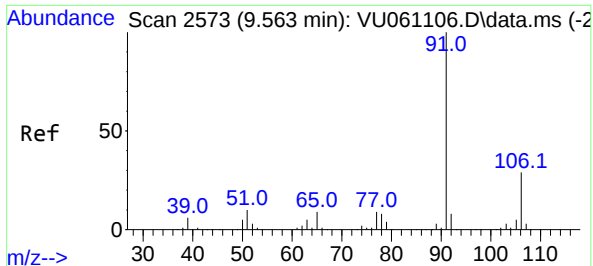
Tgt Ion:164 Resp: 173602
Ion Ratio Lower Upper
164 100
129 101.7 67.3 124.9
131 98.7 65.4 121.4
166 126.8 89.5 166.1



#49
Dibromochloromethane
Concen: 20.041 ug/L
RT: 8.541 min Scan# 2255
Delta R.T. -0.260 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion:129 Resp: 175639
Ion Ratio Lower Upper
129 100
127 0.0 56.1 104.1#

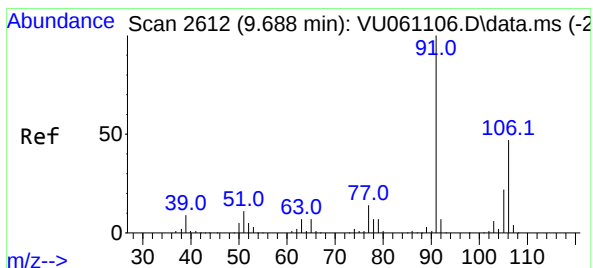
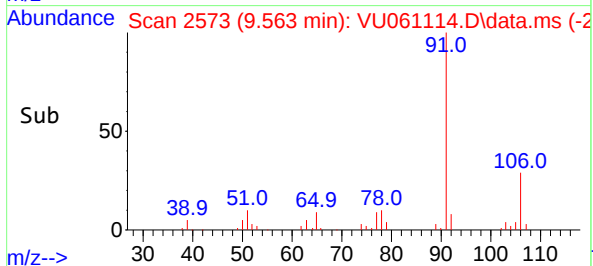
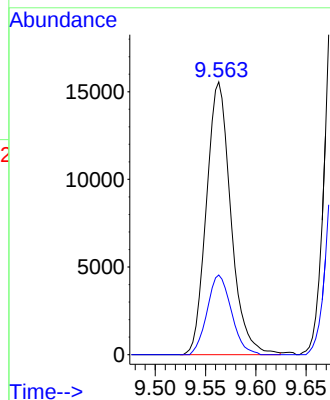
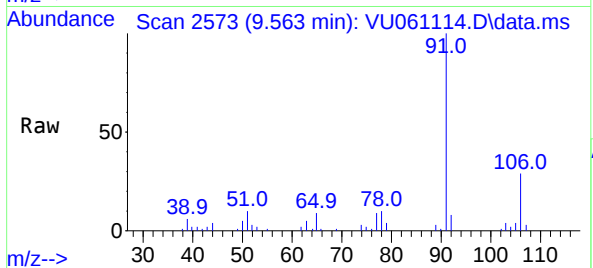




#52
Ethylbenzene
Concen: 0.505 ug/L
RT: 9.563 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

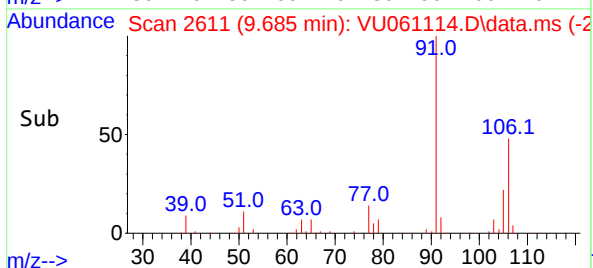
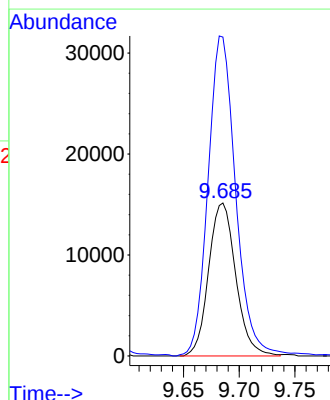
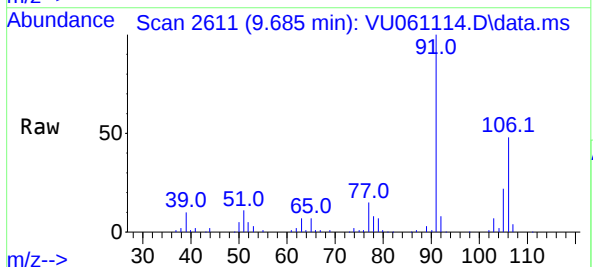
Instrument :
MSVOA_U
ClientSampleId :

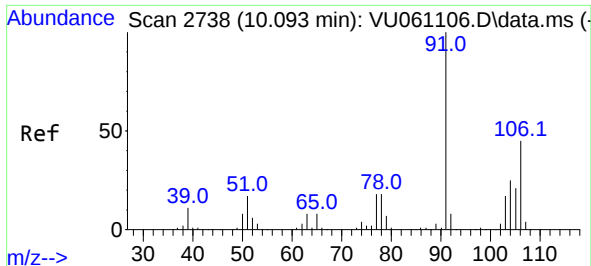
Tgt Ion: 91 Resp: 26305
Ion Ratio Lower Upper
91 100
106 29.2 21.8 40.6



#53
m,p-Xylene
Concen: 1.353 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion:106 Resp: 25688
Ion Ratio Lower Upper
106 100
91 208.4 139.7 259.4

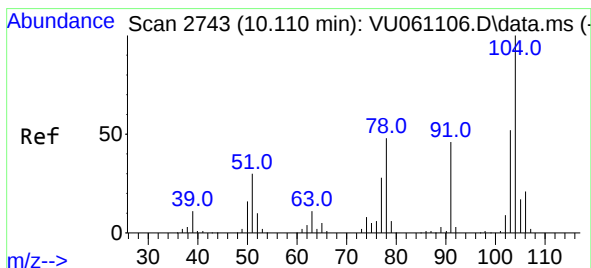
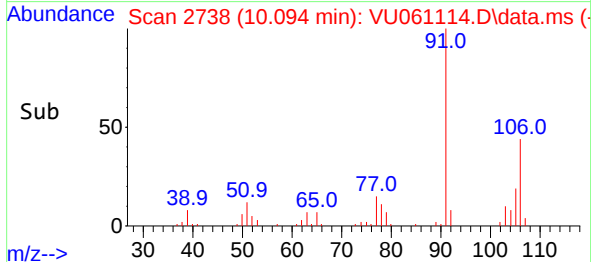
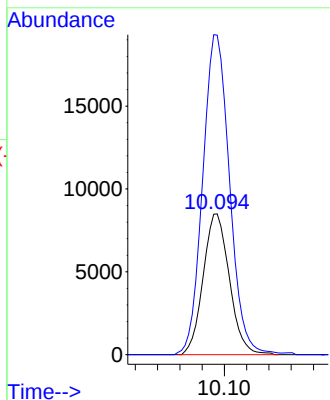
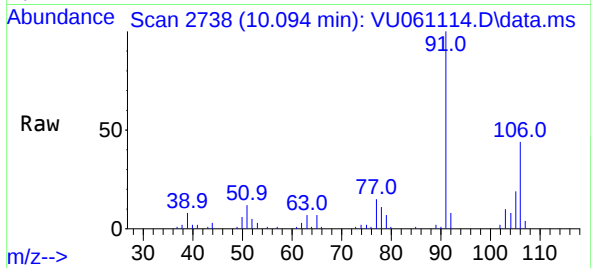




#54
o-Xylene
Concen: 0.744 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

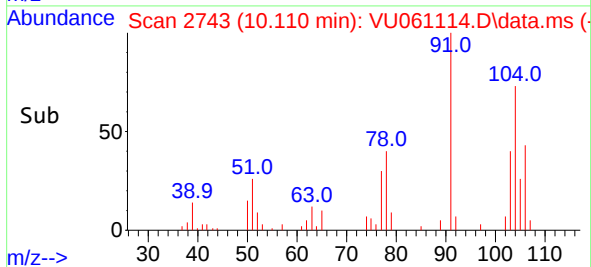
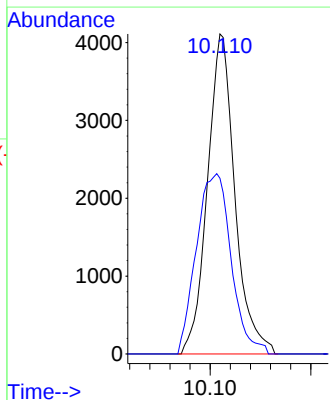
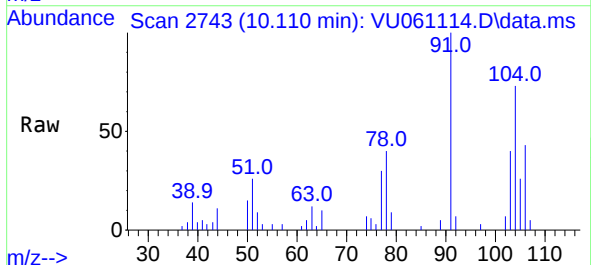
Instrument :
MSVOA_U
ClientSampleId :

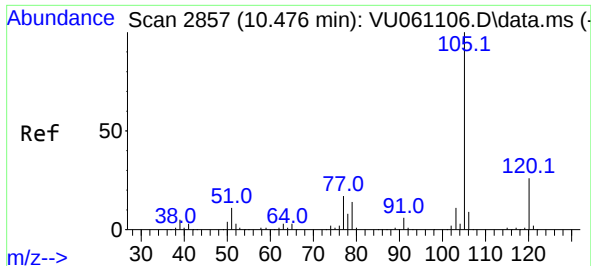
Tgt Ion:106 Resp: 13901
Ion Ratio Lower Upper
106 100
91 226.9 148.6 276.0



#55
Styrene
Concen: 0.258 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion:104 Resp: 7787
Ion Ratio Lower Upper
104 100
78 54.9 31.7 58.9

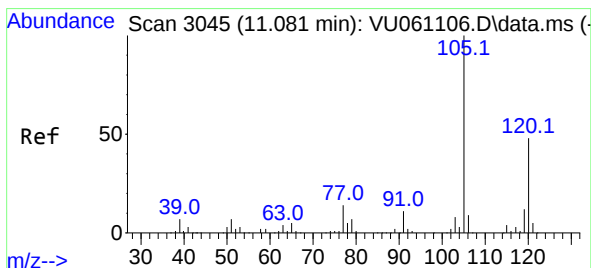
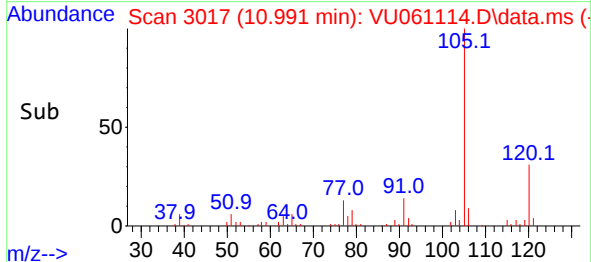
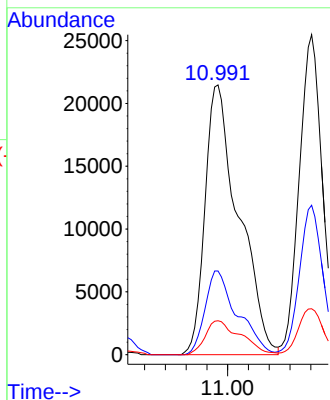
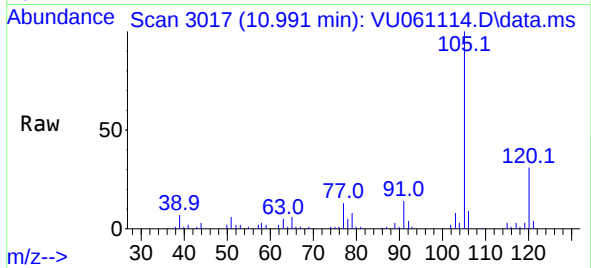




#60
Isopropylbenzene
Concen: 1.002 ug/L
RT: 10.991 min Scan# 3017
Delta R.T. 0.515 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

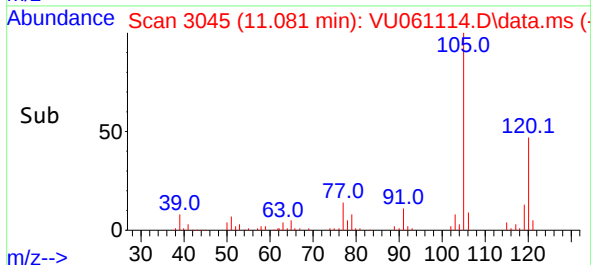
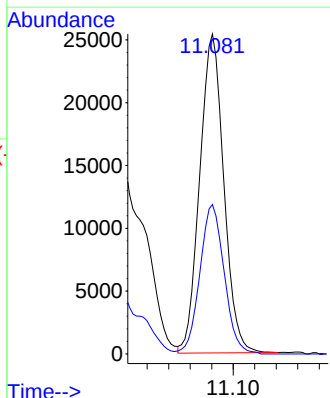
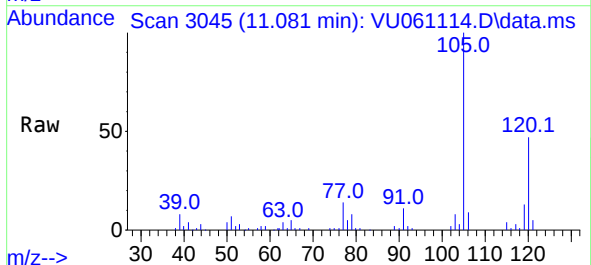
Instrument :
MSVOA_U
ClientSampleId :

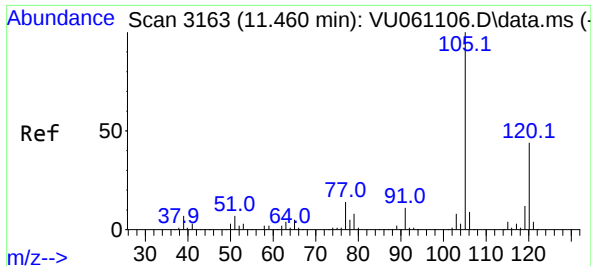
Tgt Ion:105 Resp: 48368
Ion Ratio Lower Upper
105 100
120 29.8 21.5 32.3
77 13.3 12.6 18.8



#62
1,3,5-Trimethylbenzene
Concen: 0.926 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion:105 Resp: 39393
Ion Ratio Lower Upper
105 100
120 47.5 38.5 57.7

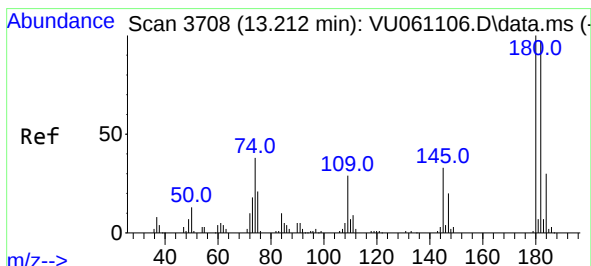
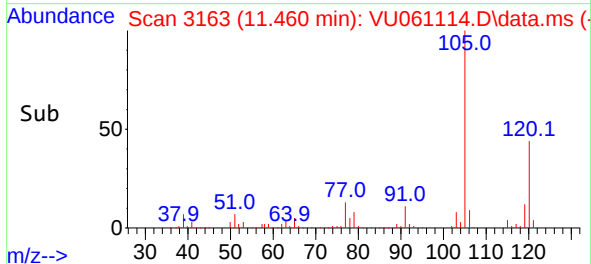
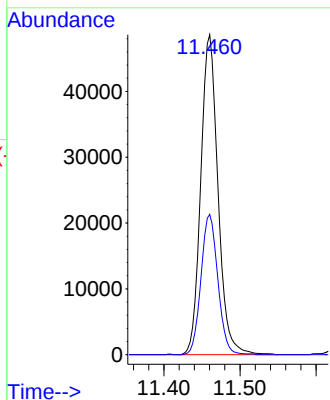
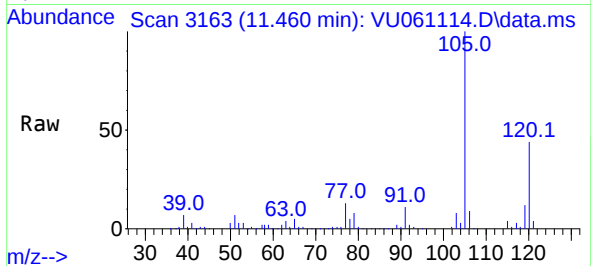




#63
1,2,4-Trimethylbenzene
Concen: 1.783 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

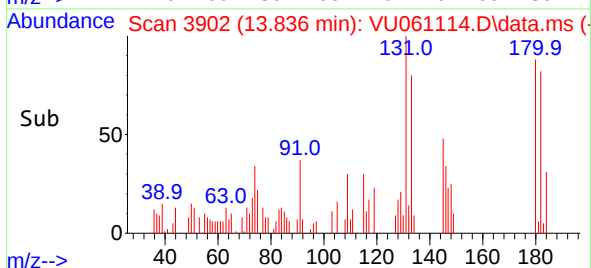
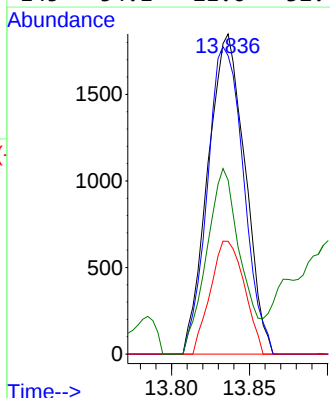
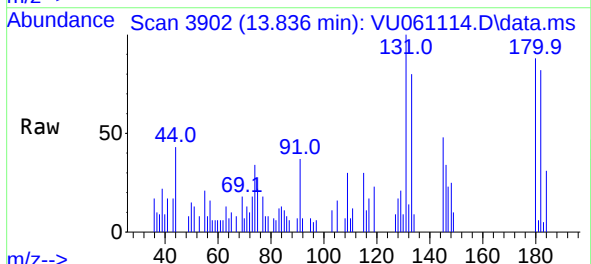
Instrument :
MSVOA_U
ClientSampleId :

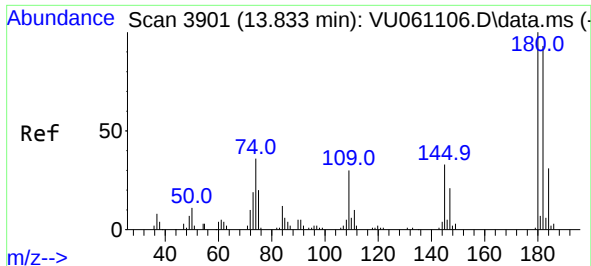
Tgt Ion:105 Resp: 76553
Ion Ratio Lower Upper
105 100
120 42.9 36.1 54.1



#69
1,3,5-Trichlorobenzene
Concen: 0.210 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.624 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

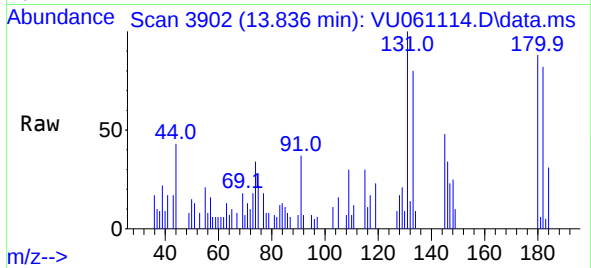
Tgt Ion:180 Resp: 3056
Ion Ratio Lower Upper
180 100
182 93.9 74.5 111.7
184 32.2 23.2 34.8
145 54.1 21.6 32.4#



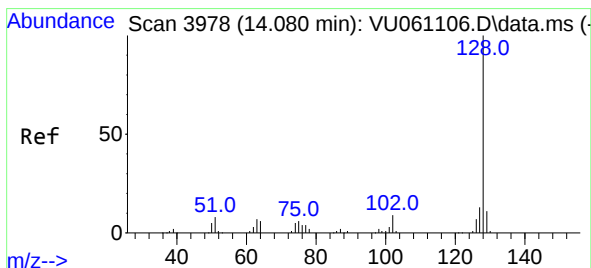
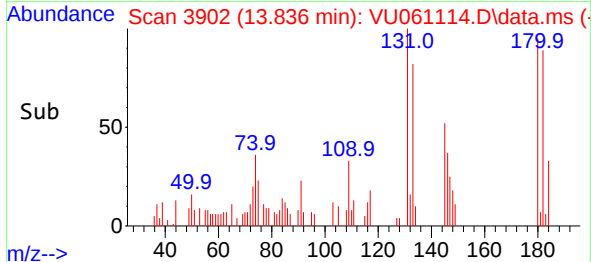
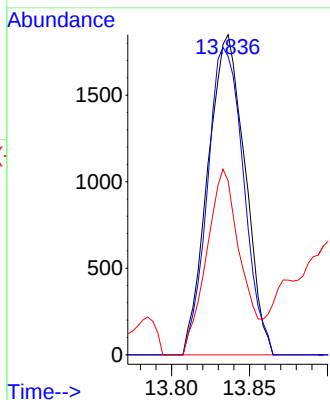


#70
1,2,4-trichlorobenzene
Concen: 0.274 ug/L
RT: 13.836 min Scan# 3901
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 3056
Ion Ratio Lower Upper
180 100
182 93.9 77.4 116.2
145 54.1 22.9 34.3#



#71
Naphthalene
Concen: 526.525 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion:128 Resp: 9601875
Ion Ratio Lower Upper
128 100
129 11.1 8.3 12.5
127 13.2 10.7 16.1

