

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111324\
 Data File : VU061631.D
 Acq On : 13 Nov 2024 18:05
 Operator : MD/SY
 Sample : P4747-10
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 01:32:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 14 00:27:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	185135	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	172068	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	85668	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	38492	3.218	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.911	69	44823	4.389	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.560	65	19041	3.548	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	4.624	46	112171	44.181	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.360%
24) Chloroform-d	5.052	84	93824	3.946	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
26) 1,2-Dichloroethane-d4	5.692	65	47959	4.203	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
32) Benzene-d6	5.718	84	196765	4.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.679	67	59802	4.259	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.200%
41) Toluene-d8	7.891	98	172498	3.888	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	8.174	79	16843	3.257	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.200%
46) 2-Hexanone-d5	8.624	63	92201	45.118	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.240%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	47502	4.292	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	64813	4.248	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	3911	0.284	ug/L	85
13) Acetone	2.637	43	52151	32.603	ug/L	96
15) Methyl Acetate	2.956	43	1625	0.407	ug/L #	47
16) Methylene chloride	3.036	84	2054	0.159	ug/L #	32
17) Methyl tert-butyl Ether	3.354	73	11004	0.402	ug/L #	1
22) cis-1,2-Dichloroethene	4.657	96	24245	1.754	ug/L	98
27) 1,2-Dichloroethane	5.763	62	3208	0.217	ug/L #	74
30) Cyclohexane	5.377	56	10309	0.527	ug/L	99
33) Benzene	5.763	78	352410	6.767	ug/L	100
34) Trichloroethene	6.534	95	104892	7.459	ug/L	94
35) Methylcyclohexane	6.753	83	1638	0.077	ug/L	88
47) Tetrachloroethene	8.544	164	80762	7.643	ug/L	99
49) Dibromochloromethane	8.544	129	81833	8.103	ug/L #	10
53) m,p-Xylene	9.692	106	13234	0.579	ug/L	99
54) o-Xylene	10.094	106	25067	1.129	ug/L	99
55) Styrene	10.113	104	10237	0.289	ug/L	92
60) Isopropylbenzene	10.476	105	90921	1.530	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	62713	1.318	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	65738	1.420	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 14 00:27:20 2024
Response via : Initial Calibration

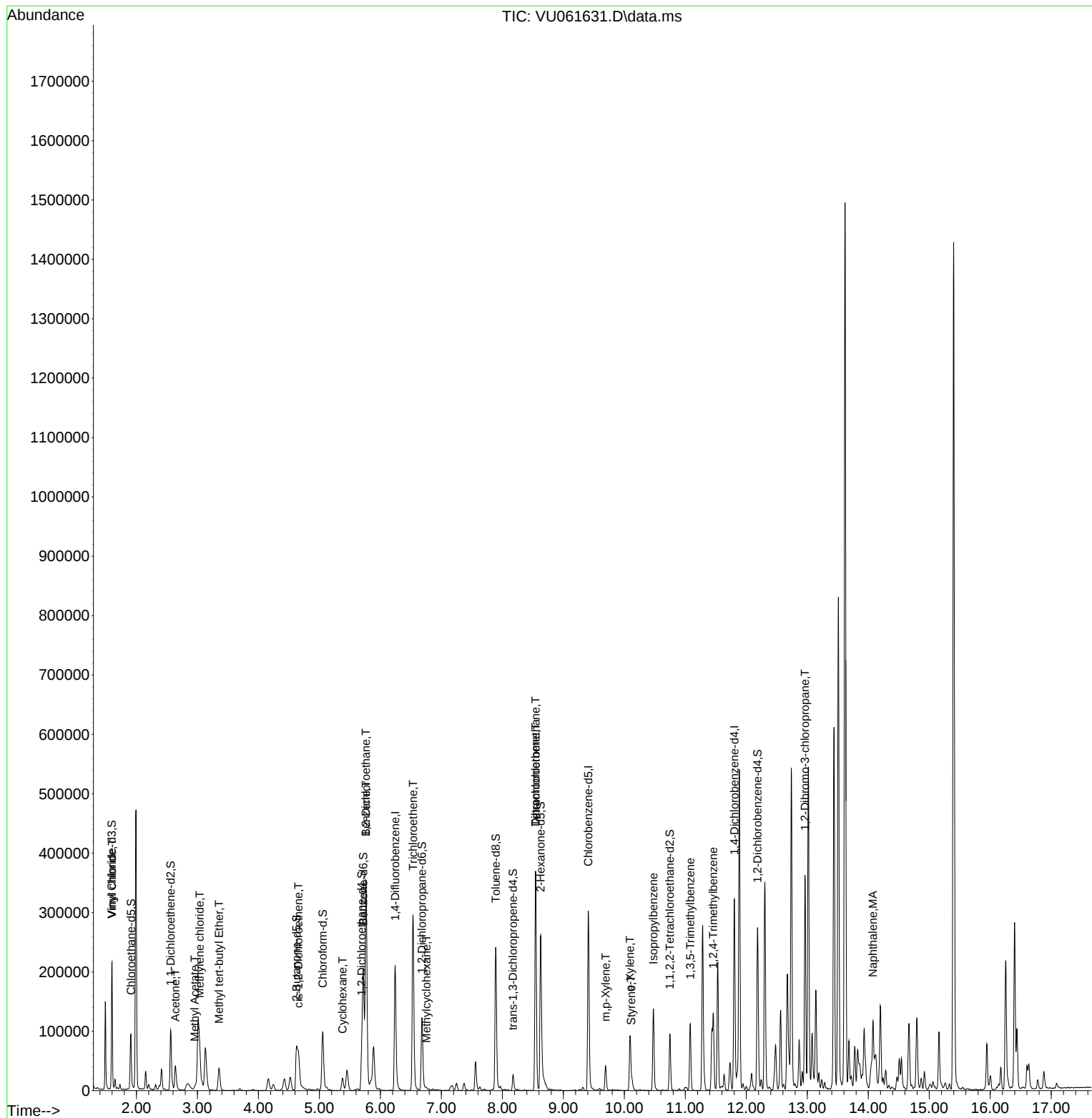
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.962	75	1377	0.977	ug/L #	3
71) Naphthalene	14.077	128	86506	4.087	ug/L #	87

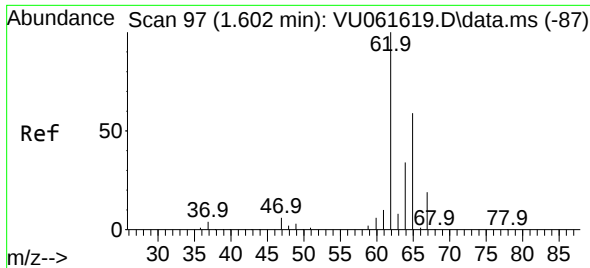
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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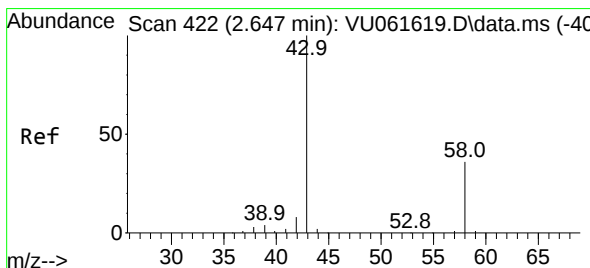
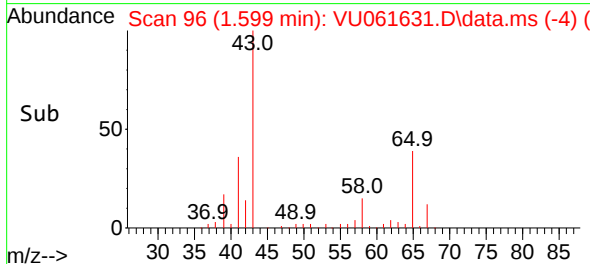
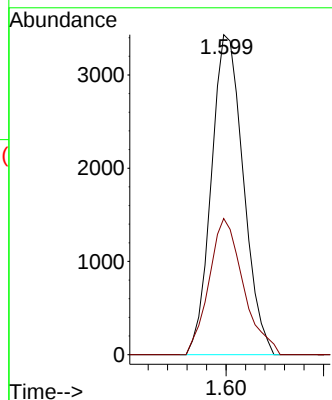
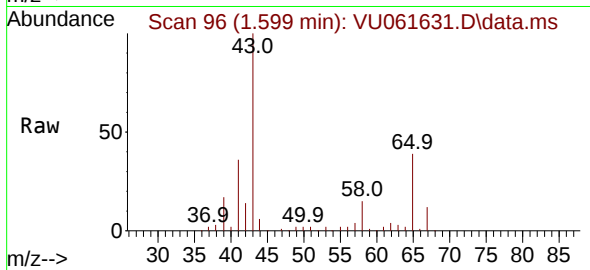




#5
 Vinyl chloride
 Concen: 0.284 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU061631.D
 Acq: 13 Nov 2024 18:05

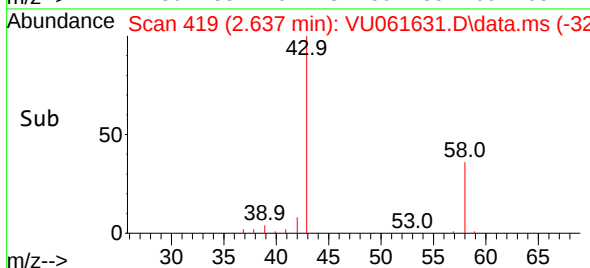
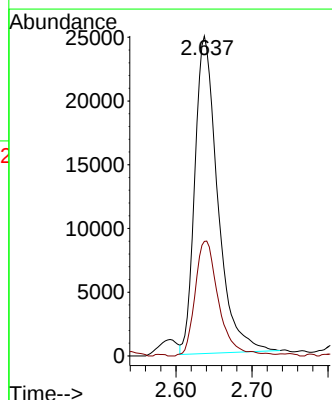
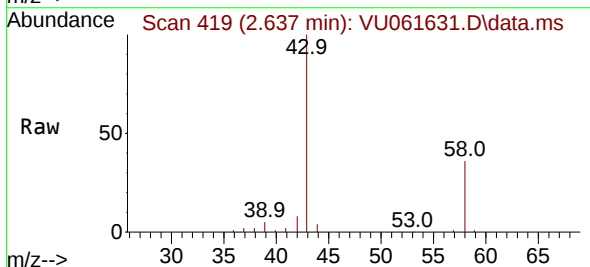
Instrument :
 MSVOA_U
 ClientSampleId :

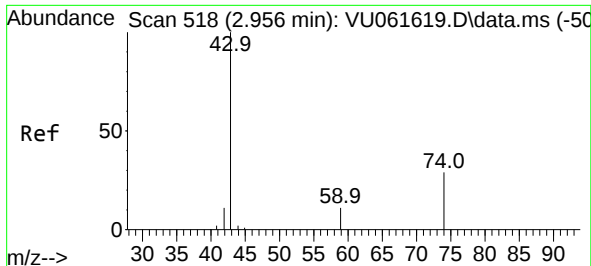
Tgt Ion: 62 Resp: 3911
 Ion Ratio Lower Upper
 62 100
 64 42.6 23.7 44.1



#13
 Acetone
 Concen: 32.603 ug/L
 RT: 2.637 min Scan# 419
 Delta R.T. -0.010 min
 Lab File: VU061631.D
 Acq: 13 Nov 2024 18:05

Tgt Ion: 43 Resp: 52151
 Ion Ratio Lower Upper
 43 100
 58 37.4 0.0 69.8

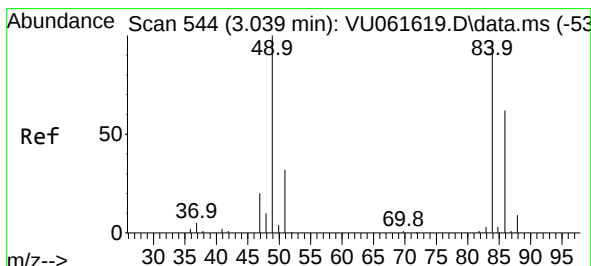
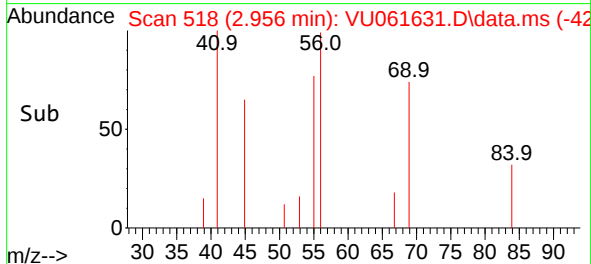
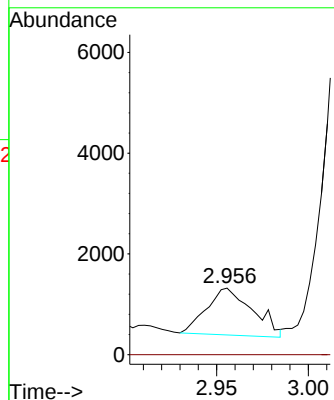
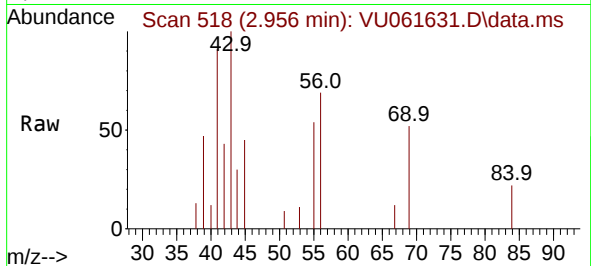




#15
Methyl Acetate
Concen: 0.407 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.000 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

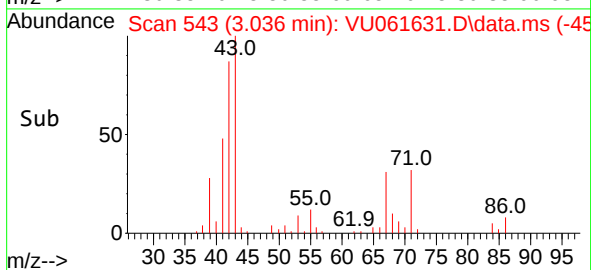
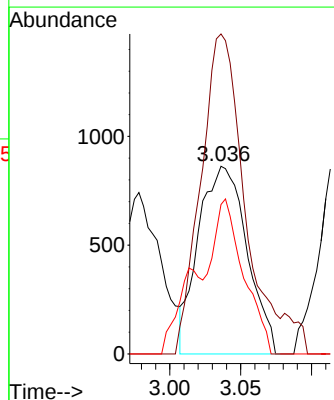
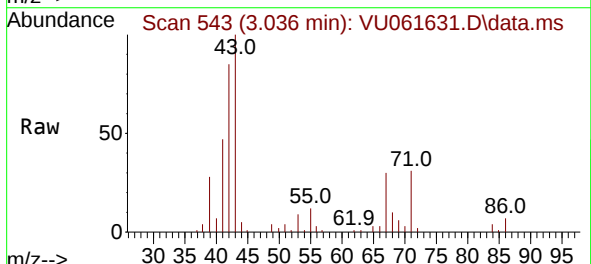
Instrument :
MSVOA_U
ClientSampleId :

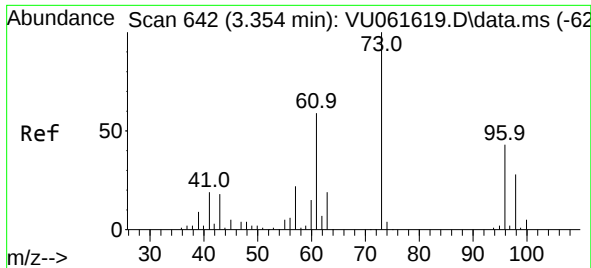
Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
74 0.0 22.5 33.7#



#16
Methylene chloride
Concen: 0.159 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

Tgt Ion: 84 Resp: 2054
Ion Ratio Lower Upper
84 100
86 170.5 45.1 83.7#
49 79.6 76.3 141.7

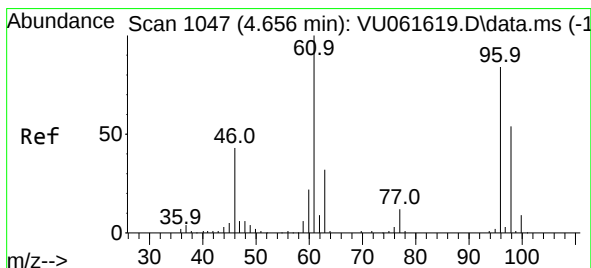
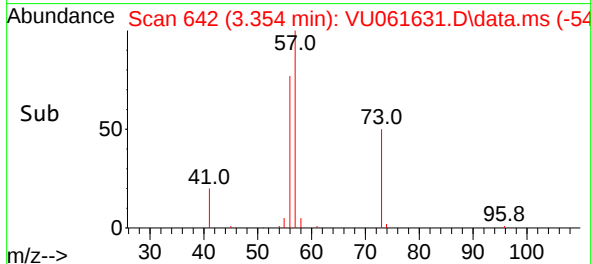
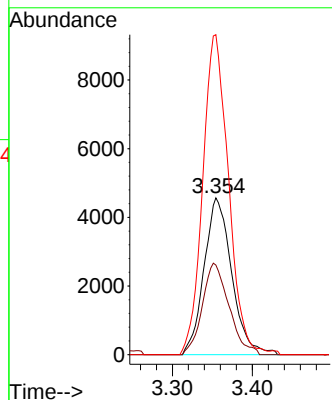
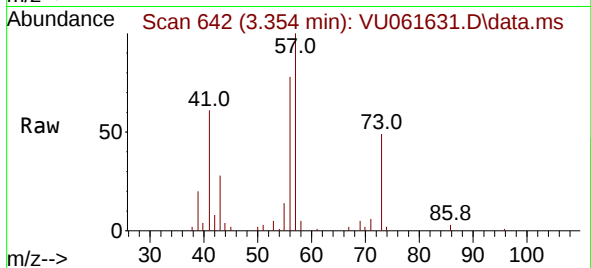




#17
Methyl tert-butyl Ether
Concen: 0.402 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

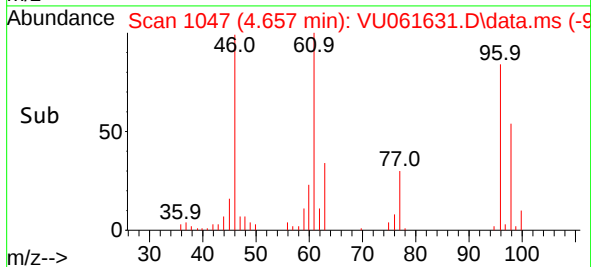
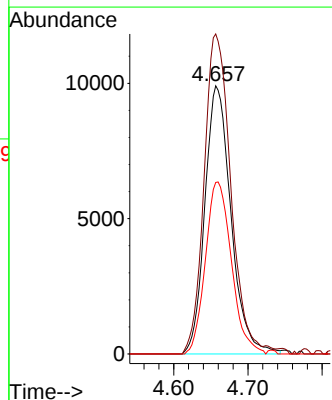
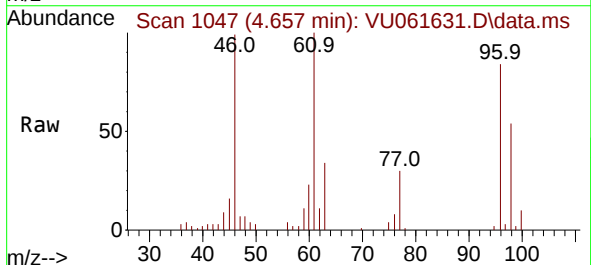
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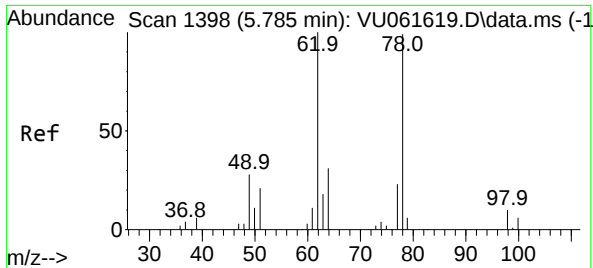
Tgt Ion: 73 Resp: 11004
Ion Ratio Lower Upper
73 100
43 56.0 14.2 21.4#
57 189.9 16.9 25.3#



#22
cis-1,2-Dichloroethene
Concen: 1.754 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

Tgt Ion: 96 Resp: 24245
Ion Ratio Lower Upper
96 100
61 119.4 85.6 159.0
98 64.0 45.6 84.8

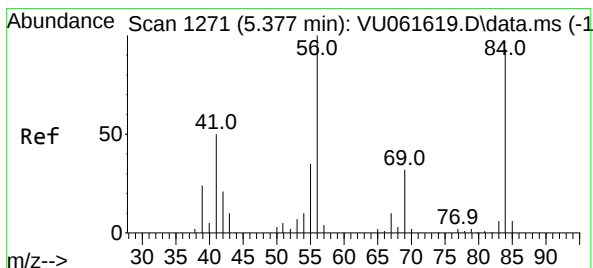
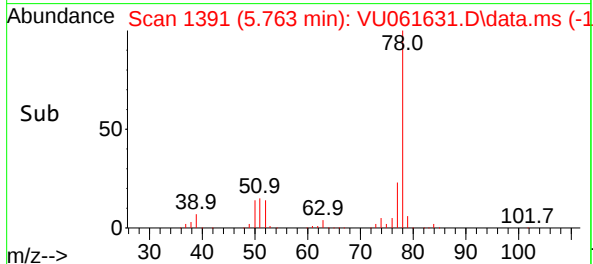
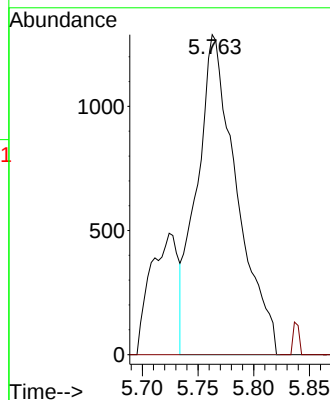
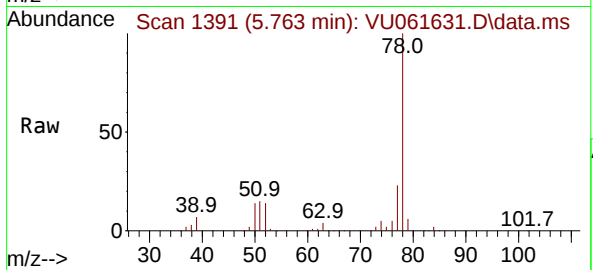




#27
1,2-Dichloroethane
Concen: 0.217 ug/L
RT: 5.763 min Scan# 11
Delta R.T. -0.022 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

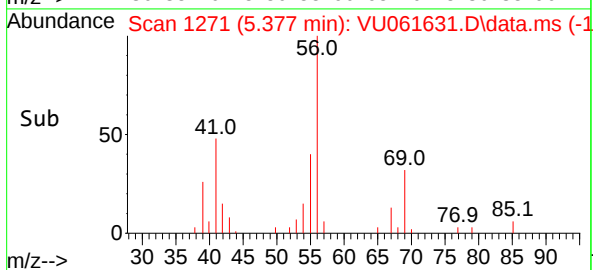
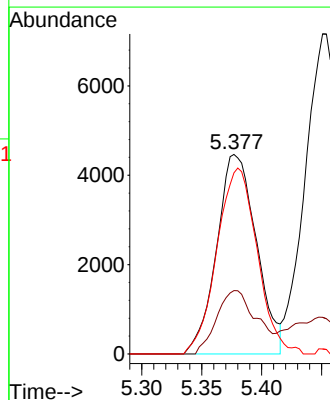
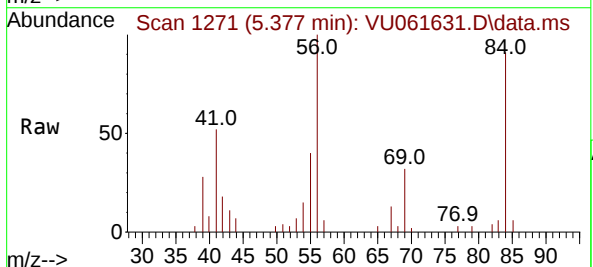
Instrument :
MSVOA_U
ClientSampleId :

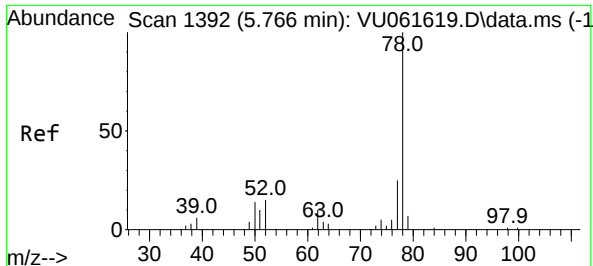
Tgt Ion: 62 Resp: 3208
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#



#30
Cyclohexane
Concen: 0.527 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

Tgt Ion: 56 Resp: 10309
Ion Ratio Lower Upper
56 100
69 31.5 25.6 38.4
84 94.4 74.3 111.5

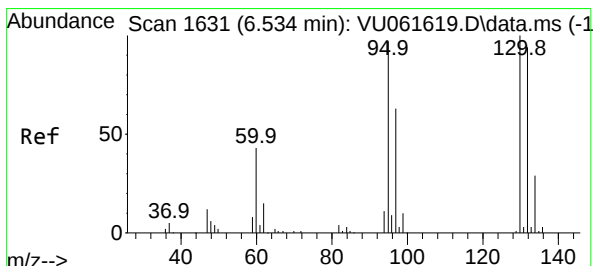
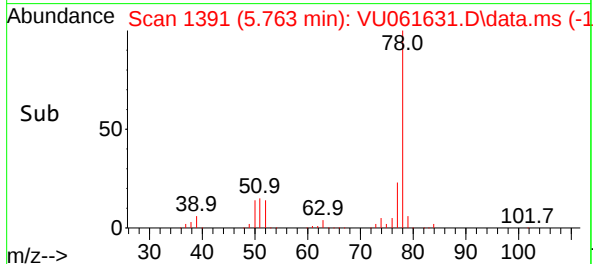
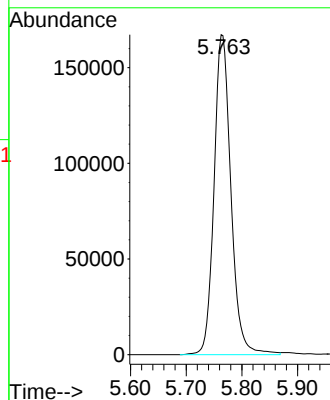
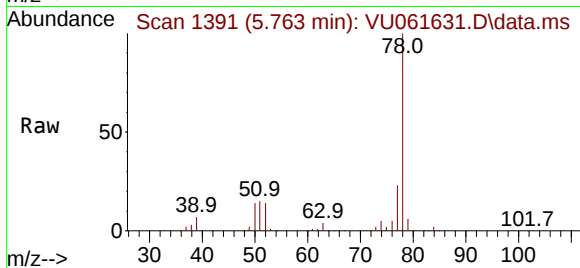




#33
Benzene
Concen: 6.767 ug/L
RT: 5.763 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

Instrument :
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ClientSampleId :

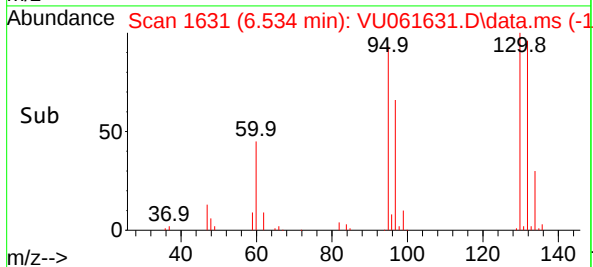
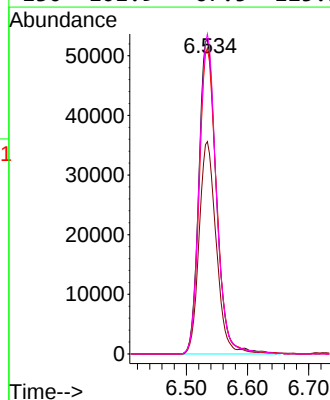
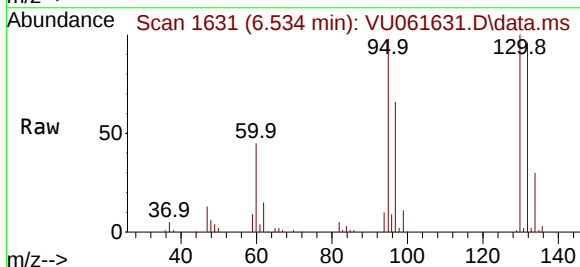
Tgt Ion: 78 Resp: 352410

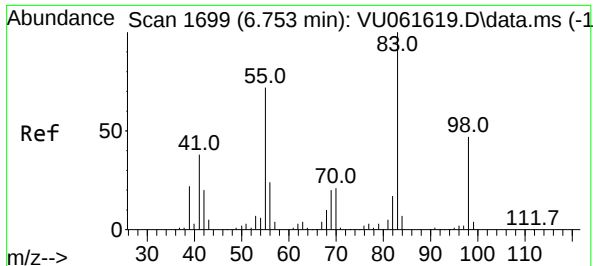


#34
Trichloroethene
Concen: 7.459 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

Tgt Ion: 95 Resp: 104892

Ion	Ratio	Lower	Upper
95	100		
97	67.6	43.5	80.9
132	97.5	65.2	121.0
130	101.9	67.5	125.3

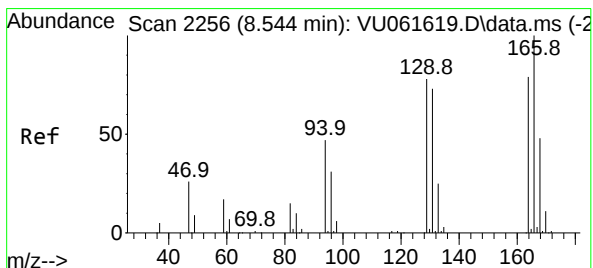
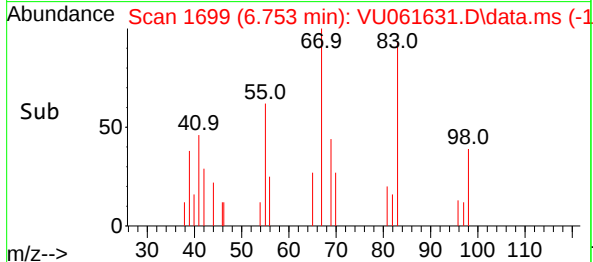
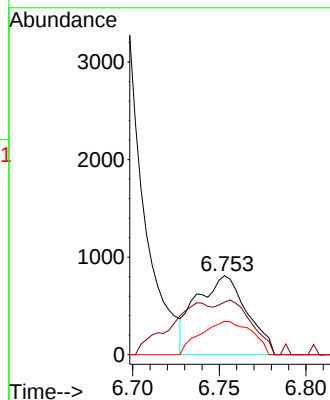
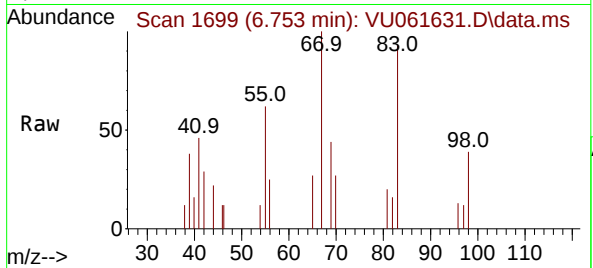




#35
Methylcyclohexane
Concen: 0.077 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

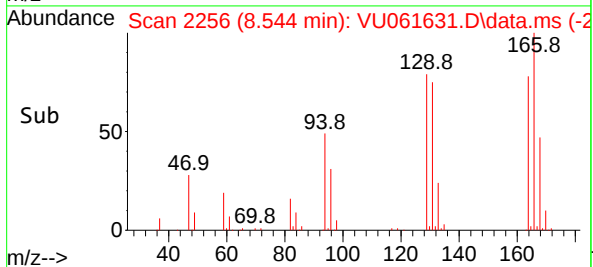
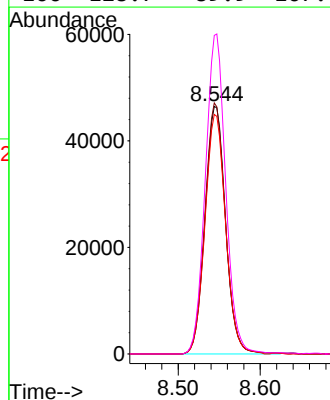
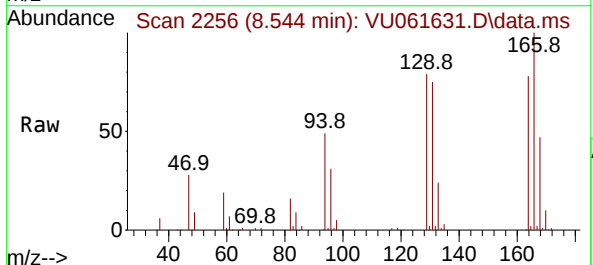
Instrument :
MSVOA_U
ClientSampleId :

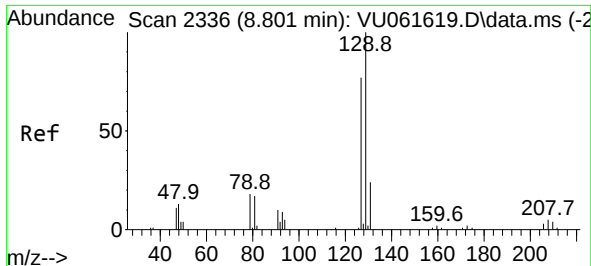
Tgt Ion: 83 Resp: 1638
Ion Ratio Lower Upper
83 100
55 57.3 56.4 84.6
98 42.9 37.7 56.5



#47
Tetrachloroethene
Concen: 7.643 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

Tgt Ion:164 Resp: 80762
Ion Ratio Lower Upper
164 100
129 101.4 71.7 133.3
131 96.8 68.2 126.6
166 128.7 89.9 167.0





#49

Dibromochloromethane

Concen: 8.103 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU061631.D

Acq: 13 Nov 2024 18:05

Instrument :

MSVOA_U

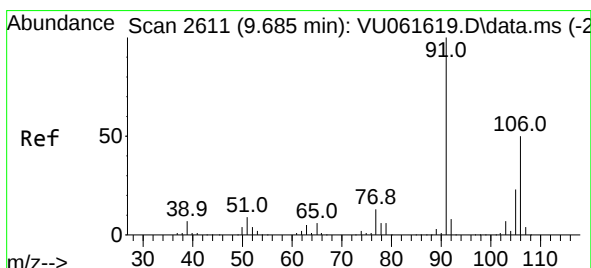
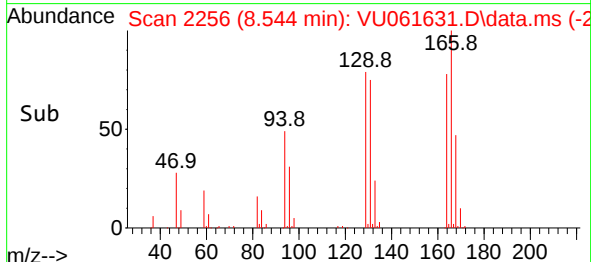
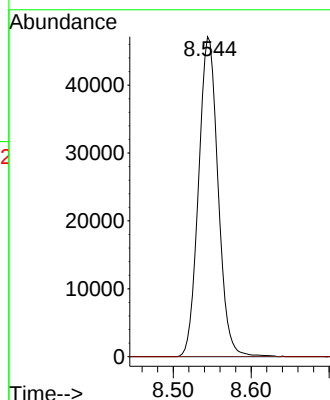
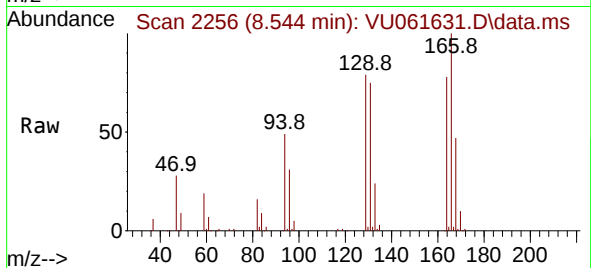
ClientSampleId :

Tgt Ion:129 Resp: 81833

Ion Ratio Lower Upper

129 100

127 0.0 55.1 102.3#



#53

m,p-Xylene

Concen: 0.579 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.007 min

Lab File: VU061631.D

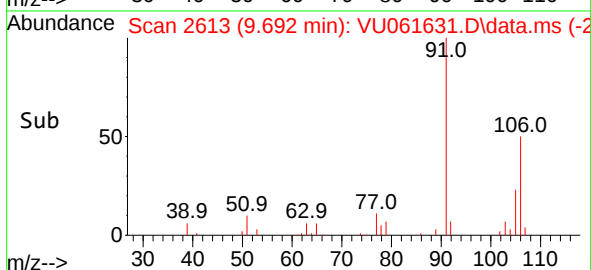
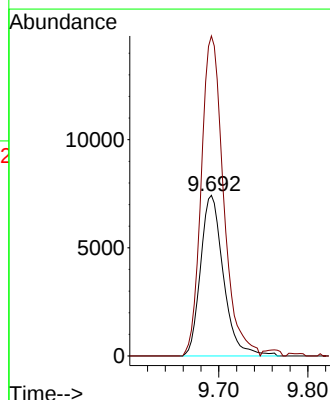
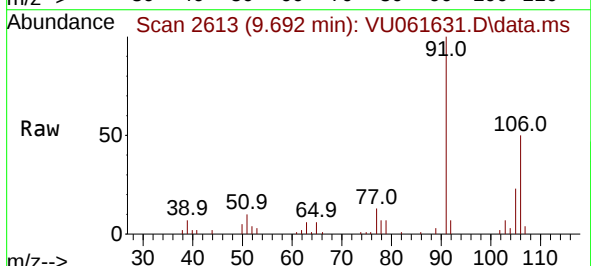
Acq: 13 Nov 2024 18:05

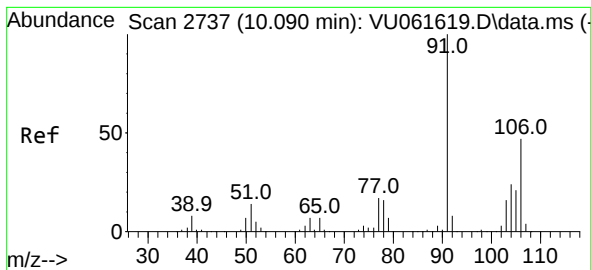
Tgt Ion:106 Resp: 13234

Ion Ratio Lower Upper

106 100

91 199.3 140.4 260.8





#54

o-Xylene

Concen: 1.129 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU061631.D

Acq: 13 Nov 2024 18:05

Instrument :

MSVOA_U

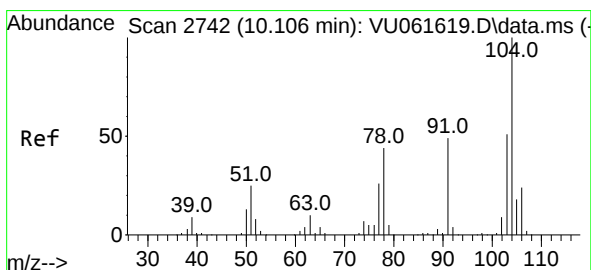
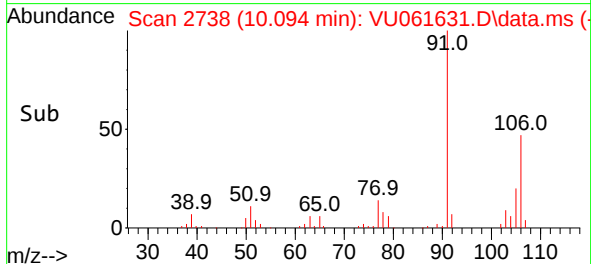
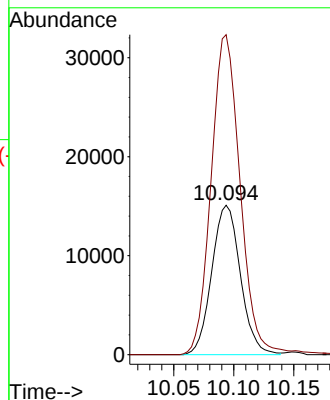
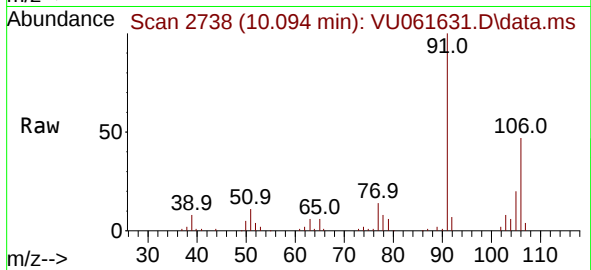
ClientSampleId :

Tgt Ion:106 Resp: 25067

Ion Ratio Lower Upper

106 100

91 214.0 151.3 280.9



#55

Styrene

Concen: 0.289 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.007 min

Lab File: VU061631.D

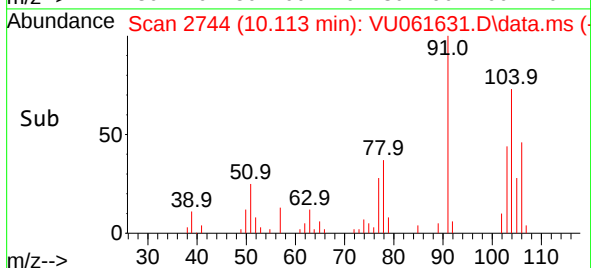
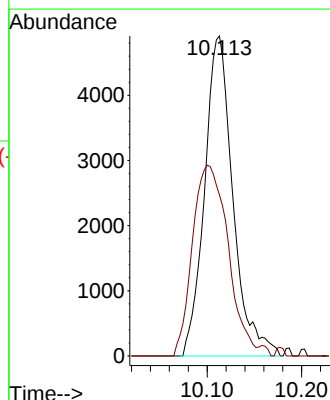
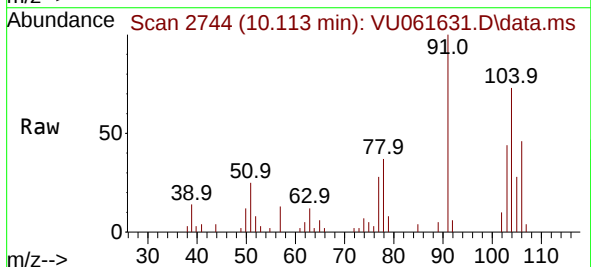
Acq: 13 Nov 2024 18:05

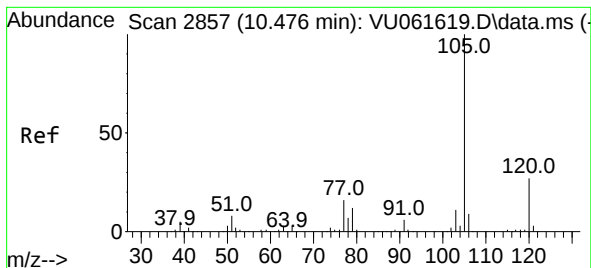
Tgt Ion:104 Resp: 10237

Ion Ratio Lower Upper

104 100

78 50.4 31.6 58.6





#60

Isopropylbenzene

Concen: 1.530 ug/L

RT: 10.476 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU061631.D

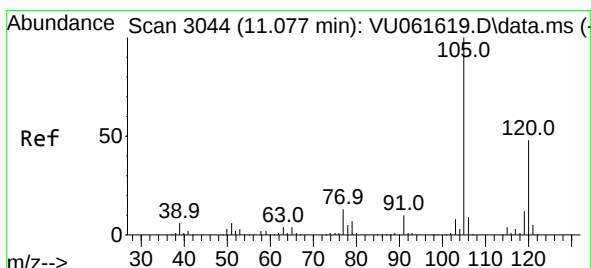
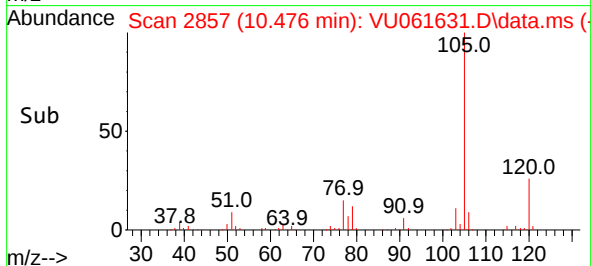
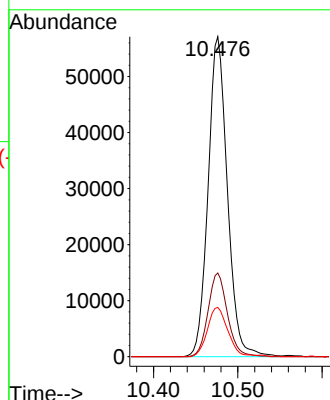
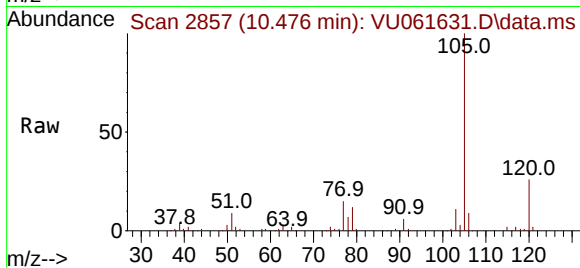
Acq: 13 Nov 2024 18:05

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	90921
Ion Ratio	Lower	Upper	
105	100		
120	26.3	21.6	32.4
77	16.3	12.8	19.2



#62

1,3,5-Trimethylbenzene

Concen: 1.318 ug/L

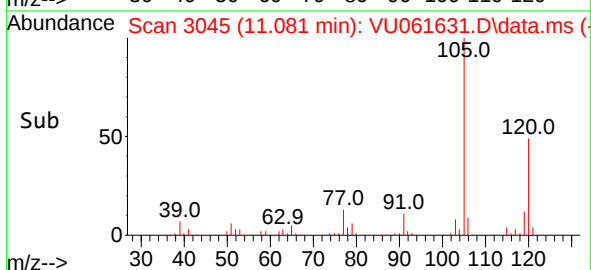
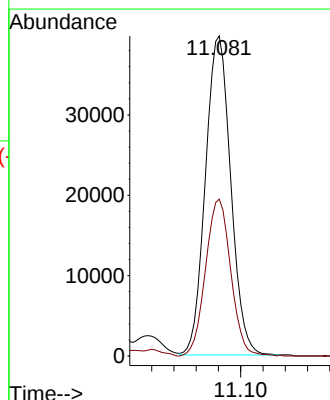
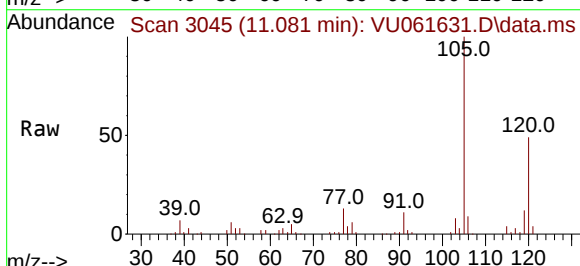
RT: 11.081 min Scan# 3045

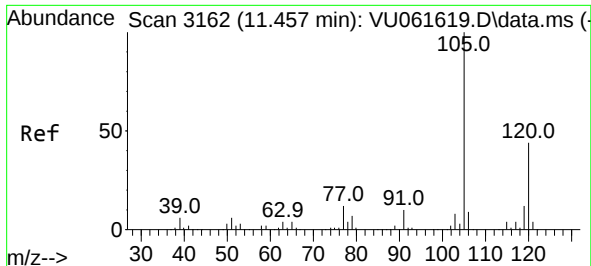
Delta R.T. 0.003 min

Lab File: VU061631.D

Acq: 13 Nov 2024 18:05

Tgt Ion:	105	Resp:	62713
Ion Ratio	Lower	Upper	
105	100		
120	48.9	38.5	57.7

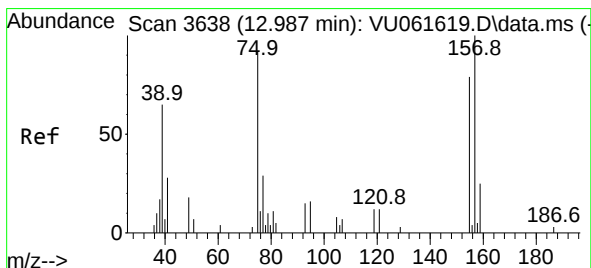
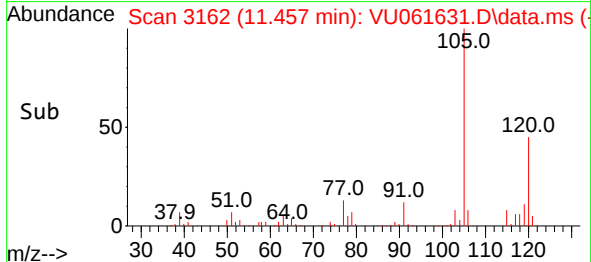
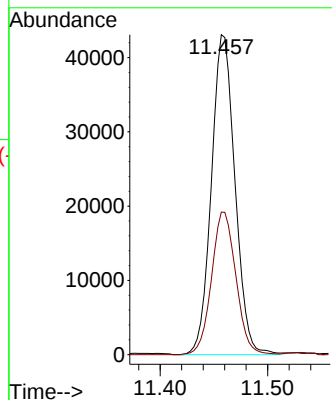
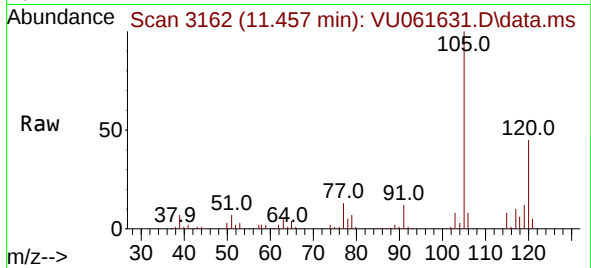




#63
1,2,4-Trimethylbenzene
Concen: 1.420 ug/L
RT: 11.457 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

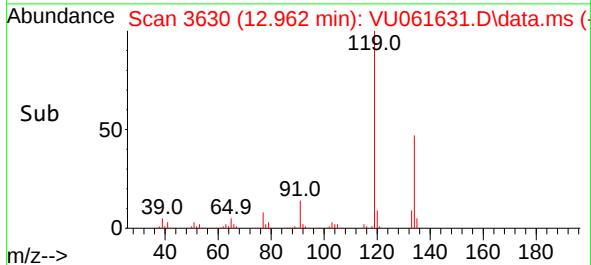
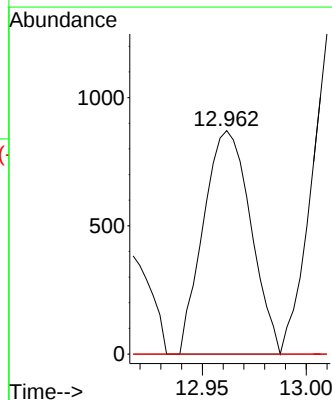
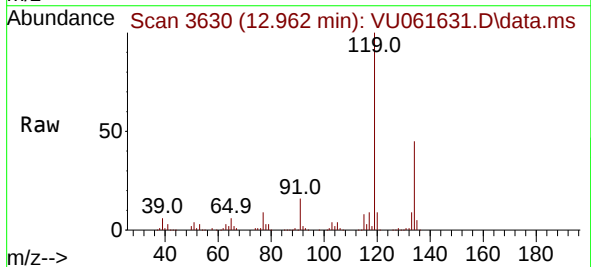
Instrument :
MSVOA_U
ClientSampleId :

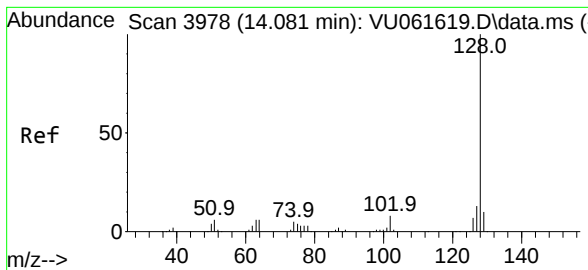
Tgt Ion:105 Resp: 65738
Ion Ratio Lower Upper
105 100
120 46.1 36.3 54.5



#68
1,2-Dibromo-3-chloropropane
Concen: 0.977 ug/L
RT: 12.962 min Scan# 3630
Delta R.T. -0.026 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

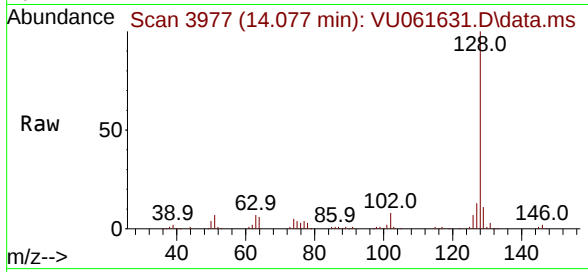
Tgt Ion: 75 Resp: 1377
Ion Ratio Lower Upper
75 100
155 0.0 62.6 93.8#
157 0.0 84.9 127.3#





#71
Naphthalene
Concen: 4.087 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.003 min
Lab File: VU061631.D
Acq: 13 Nov 2024 18:05

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 86506
Ion Ratio Lower Upper
128 100
129 0.0 8.5 12.7#
127 12.7 10.4 15.6

