

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061841.D
 Acq On : 19 Nov 2024 03:51
 Operator : MD/SY
 Sample : P4885-12
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 04:37:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 19 03:37:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	163957	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	187791	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	67122	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	34830	3.288	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.800%
7) Chloroethane-d5	1.907	69	35061	3.877	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.560	65	16560	3.484	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.600%
20) 2-Butanone-d5	4.612	46	108506	48.257	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.520%
24) Chloroform-d	5.052	84	94063	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	5.692	65	49186	4.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.718	84	191538	3.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.800%
36) 1,2-Dichloropropane-d6	6.682	67	59822	3.904	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.000%
41) Toluene-d8	7.891	98	211526	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.174	79	23133	4.099	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.624	63	127115	56.995	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.980%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	48984	4.055	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	58782	4.917	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	3537	0.290	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	6284	0.593	ug/L	95
12) 1,1-Dichloroethene	2.573	96	3572	0.361	ug/L #	1
16) Methylene chloride	3.036	84	22590	1.980	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	2809	0.116	ug/L #	86
18) trans-1,2-Dichloroethene	3.351	96	1611	0.148	ug/L	91
22) cis-1,2-Dichloroethene	4.657	96	41431	3.384	ug/L	95
25) Chloroform	5.074	83	3760	0.180	ug/L	89
27) 1,2-Dichloroethane	5.792	62	4329	0.331	ug/L #	92
29) 1,1,1-Trichloroethane	5.306	97	45377	2.123	ug/L	99
31) Carbon tetrachloride	5.306	117	6314	0.347	ug/L	91
34) Trichloroethene	6.531	95	1936574	126.190	ug/L	97
35) Methylcyclohexane	6.682	83	14127	0.610	ug/L #	20
37) 1,2-Dichloropropane	6.682	63	6005	0.416	ug/L #	89
42) Toluene	7.965	91	44576	0.728	ug/L	99
47) Tetrachloroethene	8.544	164	174487	15.131	ug/L	98
49) Dibromochloromethane	8.544	129	173663	15.756	ug/L #	10
51) Chlorobenzene	9.441	112	17456	0.443	ug/L	95
52) Ethylbenzene	9.566	91	14260	0.219	ug/L	95

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ALS Vial : 43 Sample Multiplier: 1

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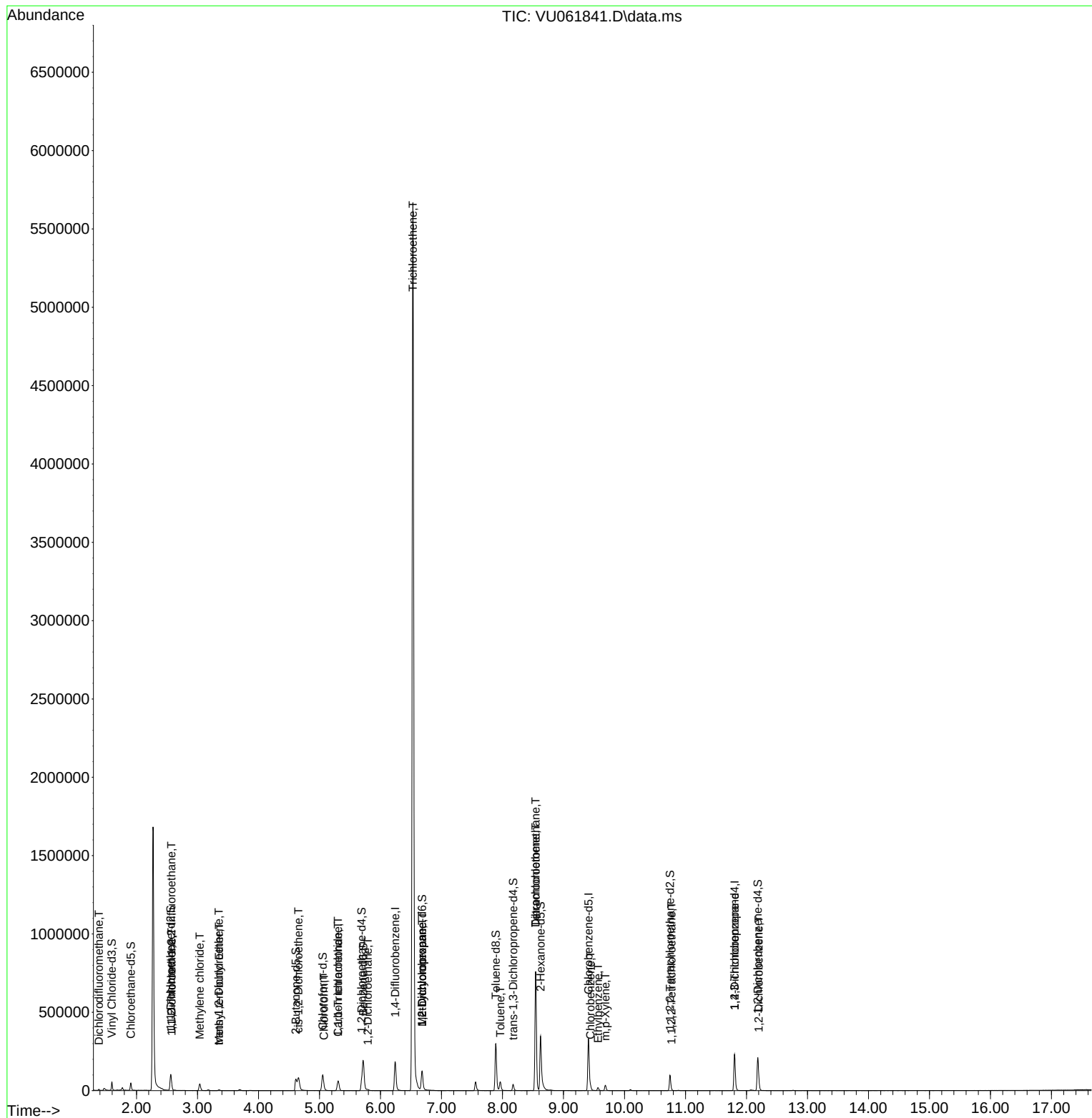
Quant Time: Nov 19 04:37:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 19 03:37:44 2024
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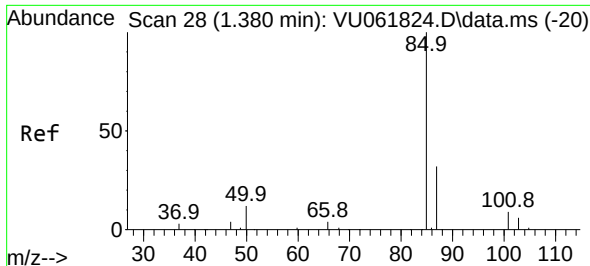
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.688	106	10687	0.428	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.772	83	1709	0.134	ug/L #	96
61) 1,2,3-Trichloropropane	11.804	75	8656	1.369	ug/L #	64
67) 1,2-Dichlorobenzene	12.203	146	10778	0.543	ug/L	99

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

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MSVOA_U
ClientSampleId :

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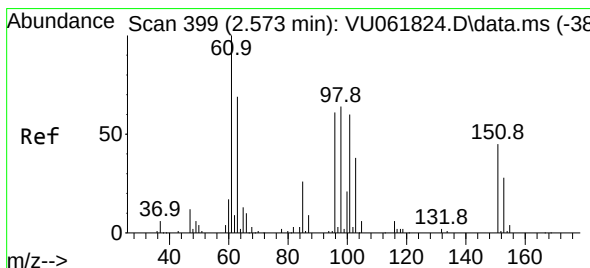
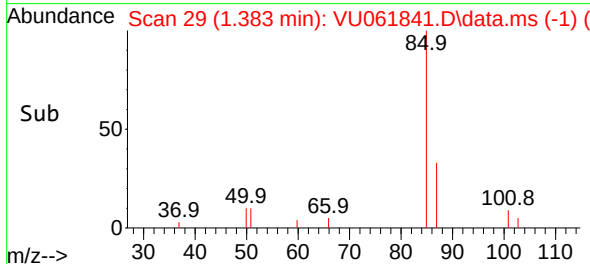
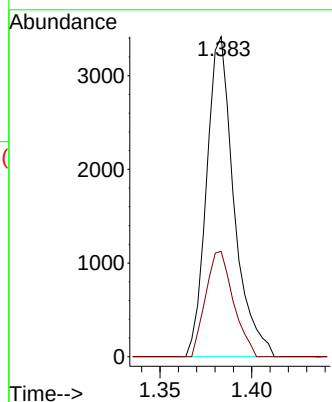
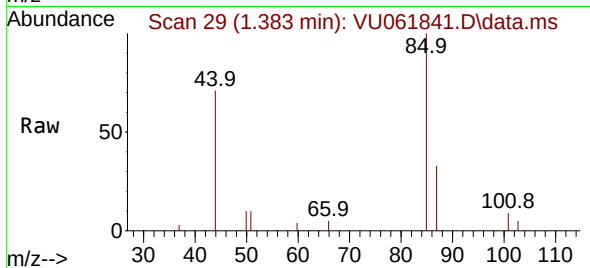




#2
 Dichlorodifluoromethane
 Concen: 0.290 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU061841.D
 Acq: 19 Nov 2024 03:51

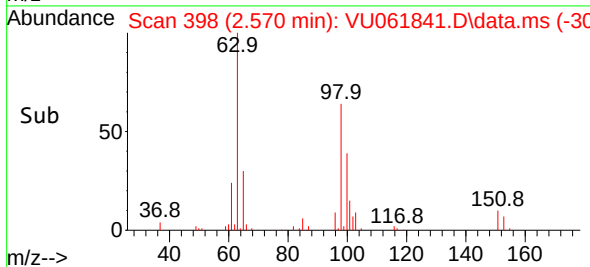
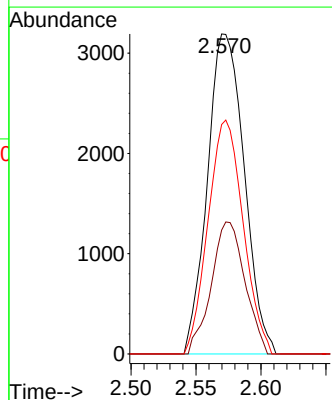
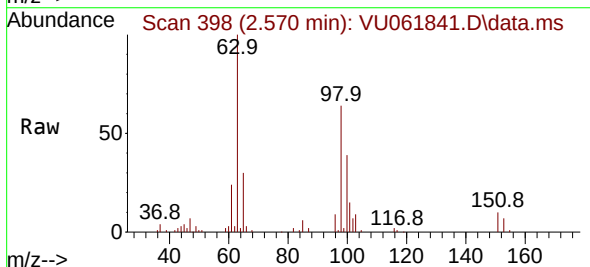
Instrument :
 MSVOA_U
 ClientSampleId :

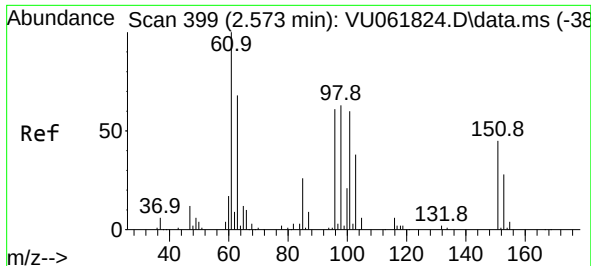
Tgt Ion: 85 Resp: 3537
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.0 39.0



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.593 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU061841.D
 Acq: 19 Nov 2024 03:51

Tgt Ion: 101 Resp: 6284
 Ion Ratio Lower Upper
 101 100
 85 37.7 35.1 52.7
 151 69.8 56.9 85.3





#12

1,1-Dichloroethene

Concen: 0.361 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Instrument :

MSVOA_U

ClientSampleId :

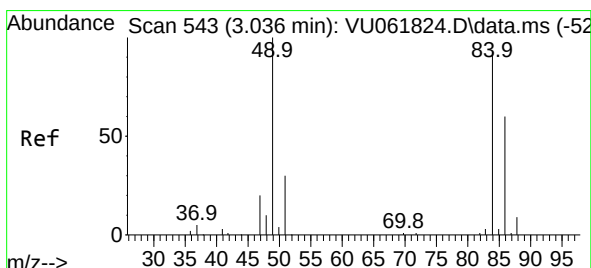
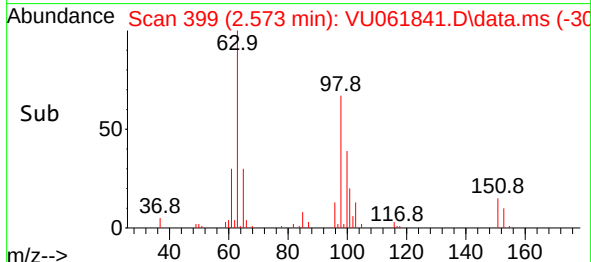
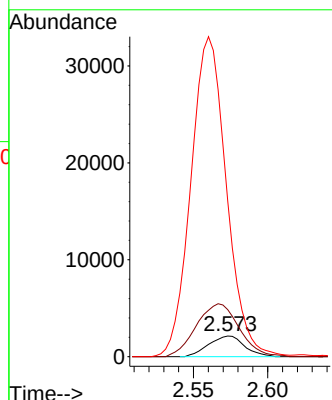
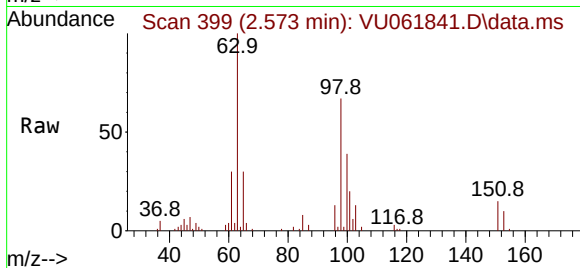
Tgt Ion: 96 Resp: 3572

Ion Ratio Lower Upper

96 100

61 227.0 116.8 217.0#

63 752.2 86.1 159.9#



#16

Methylene chloride

Concen: 1.980 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

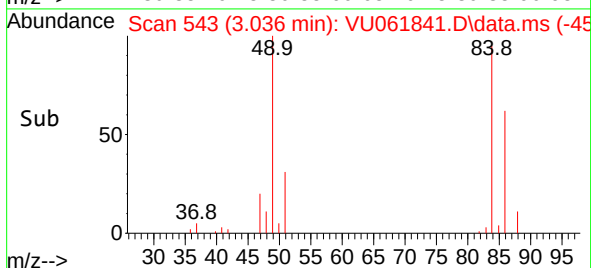
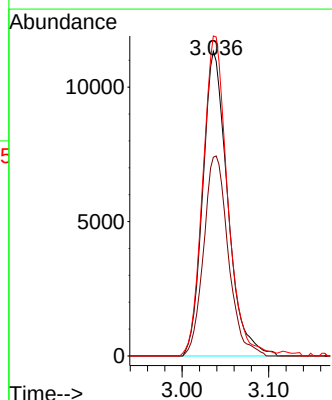
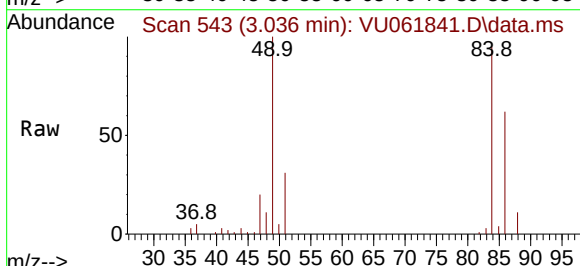
Tgt Ion: 84 Resp: 22590

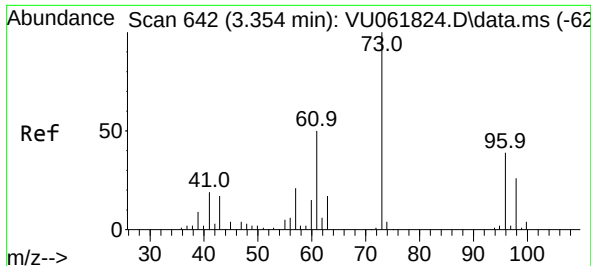
Ion Ratio Lower Upper

84 100

86 65.2 45.1 83.7

49 105.0 76.3 141.7





#17

Methyl tert-butyl Ether

Concen: 0.116 ug/L

RT: 3.354 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU061841.D

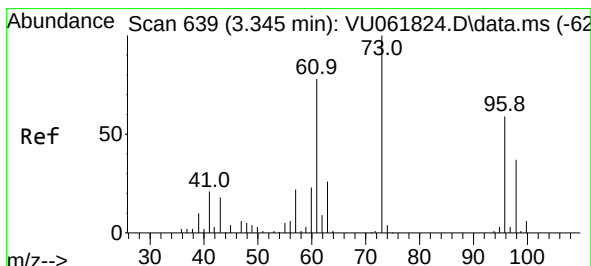
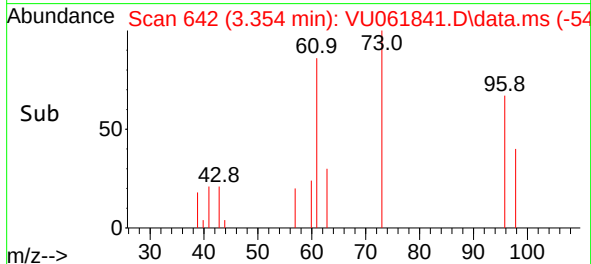
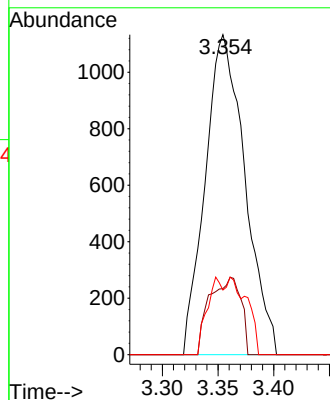
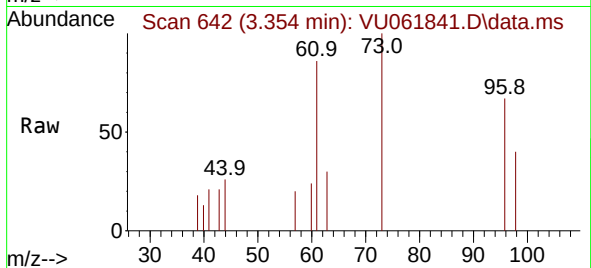
Acq: 19 Nov 2024 03:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 73	Resp: 2809
Ion Ratio	Lower Upper
73	100
43	19.0 14.2 21.4
57	9.7 16.9 25.3



#18

trans-1,2-Dichloroethene

Concen: 0.148 ug/L

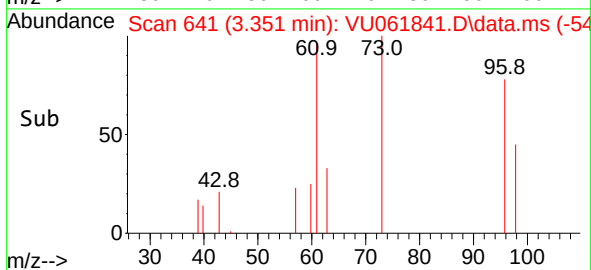
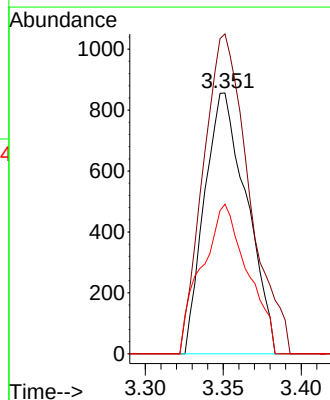
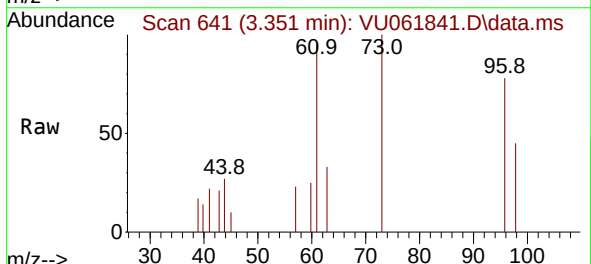
RT: 3.351 min Scan# 641

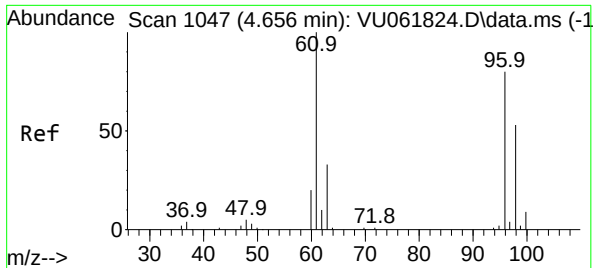
Delta R.T. 0.007 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Tgt Ion: 96	Resp: 1611
Ion Ratio	Lower Upper
96	100
61	122.7 94.1 174.8
98	57.4 43.2 80.2

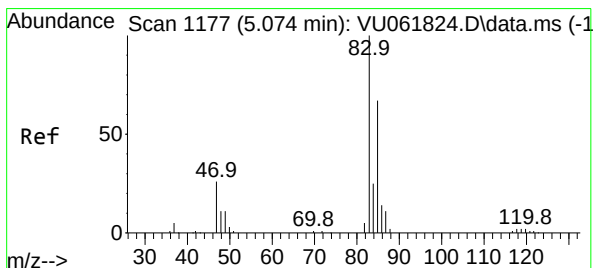
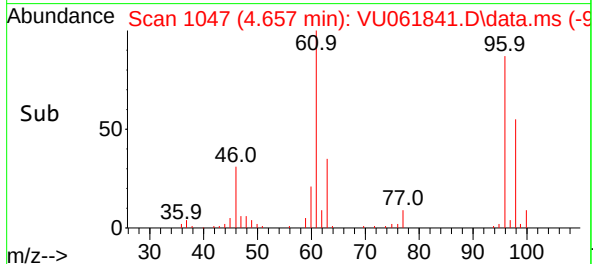
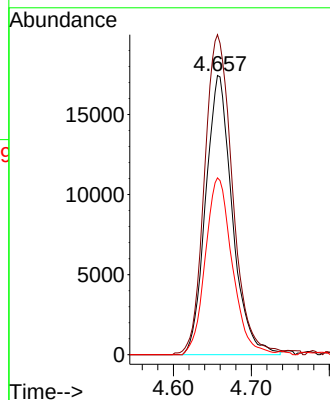
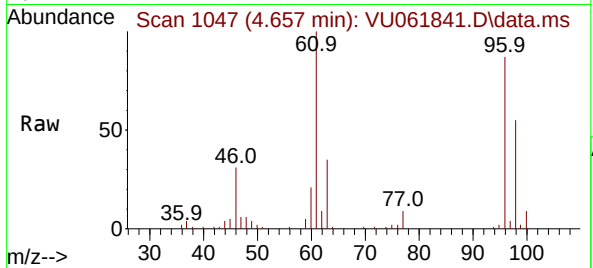




#22
 cis-1,2-Dichloroethene
 Concen: 3.384 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU061841.D
 Acq: 19 Nov 2024 03:51

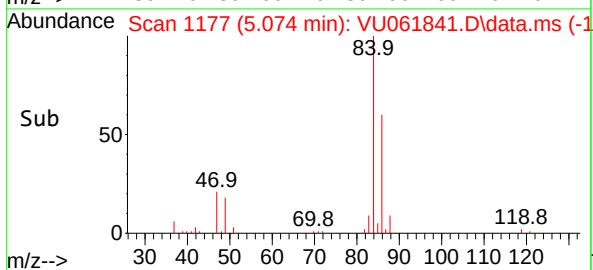
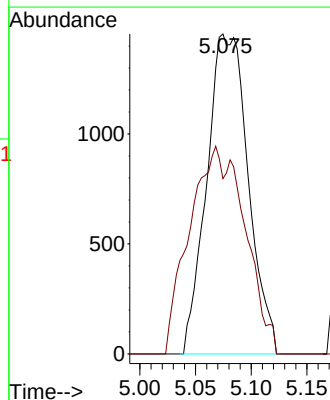
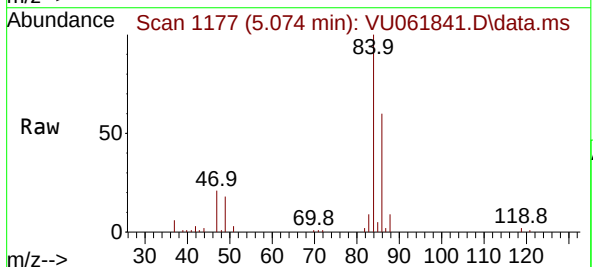
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 MSVOA_U
 ClientSampleId :

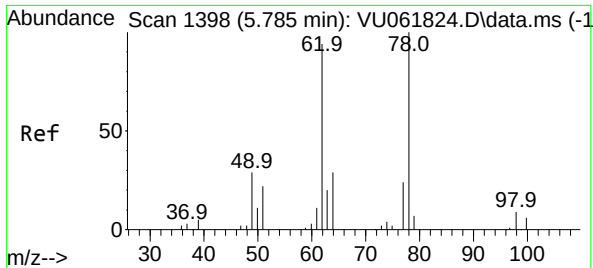
Tgt Ion: 96 Resp: 41431
 Ion Ratio Lower Upper
 96 100
 61 114.6 85.6 159.0
 98 63.4 45.6 84.8



#25
 Chloroform
 Concen: 0.180 ug/L
 RT: 5.074 min Scan# 1177
 Delta R.T. 0.000 min
 Lab File: VU061841.D
 Acq: 19 Nov 2024 03:51

Tgt Ion: 83 Resp: 3760
 Ion Ratio Lower Upper
 83 100
 85 54.8 44.1 81.9

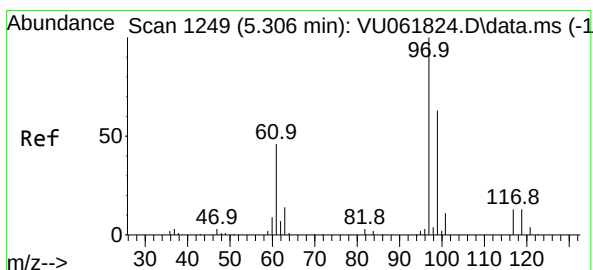
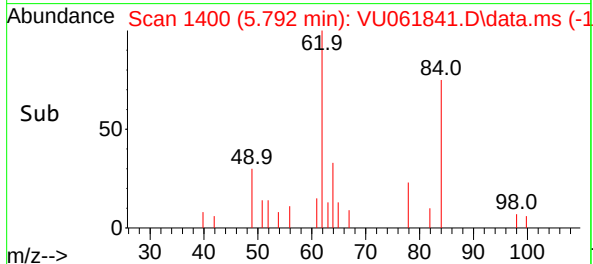
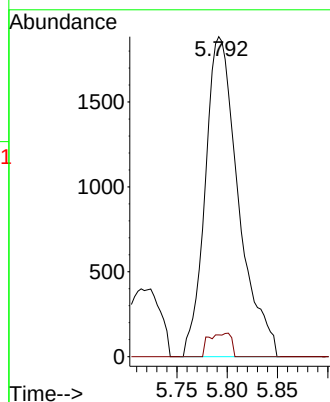
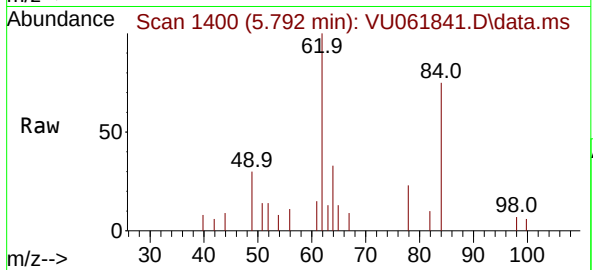




#27
1,2-Dichloroethane
Concen: 0.331 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.007 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

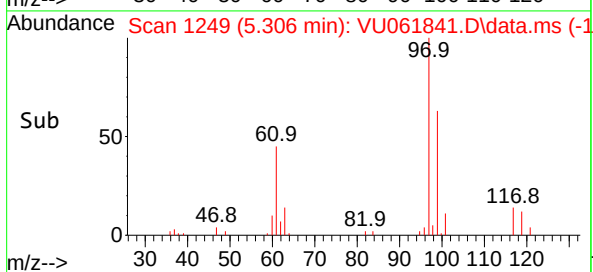
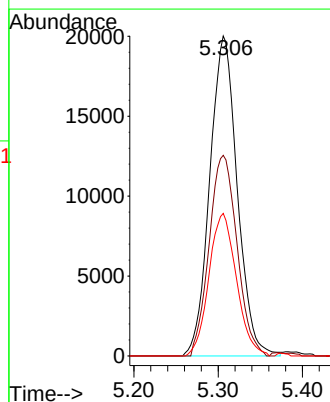
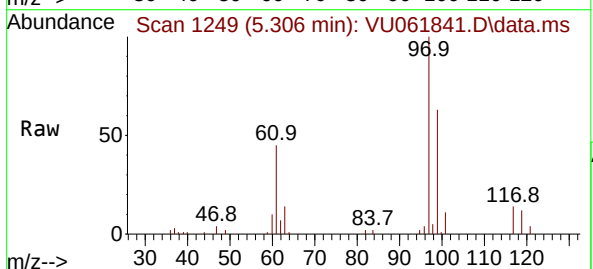
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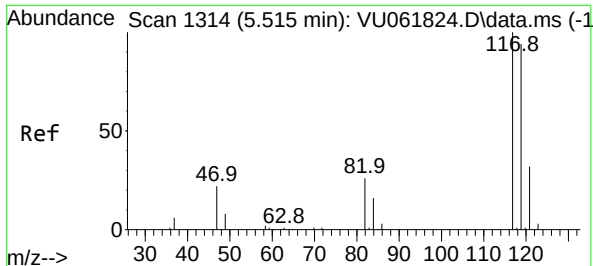
Tgt Ion: 62 Resp: 4329
Ion Ratio Lower Upper
62 100
98 6.8 7.7 11.5#



#29
1,1,1-Trichloroethane
Concen: 2.123 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

Tgt Ion: 97 Resp: 45377
Ion Ratio Lower Upper
97 100
99 63.7 51.7 77.5
61 44.6 35.4 53.0

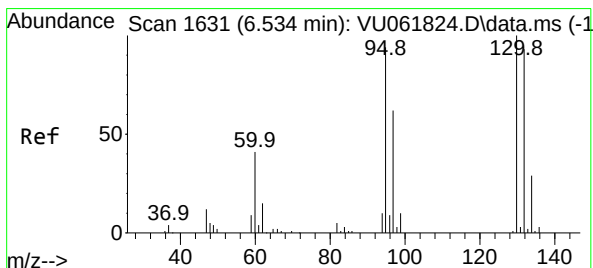
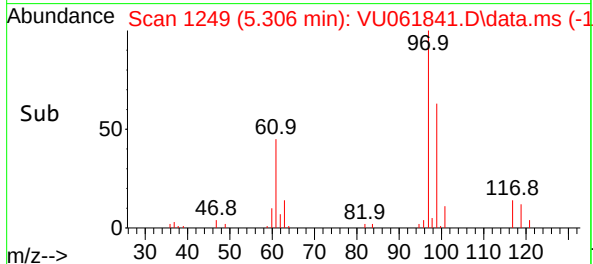
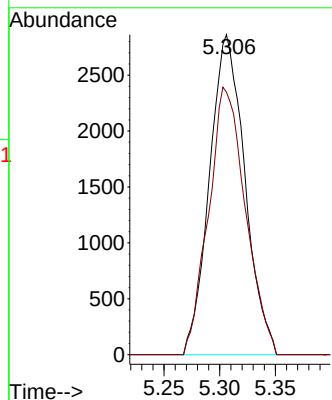
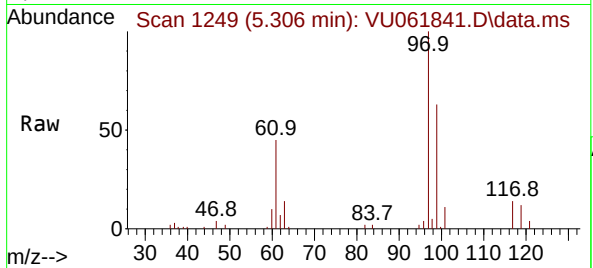




#31
Carbon tetrachloride
Concen: 0.347 ug/L
RT: 5.306 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

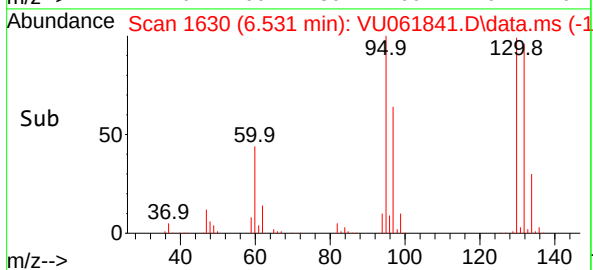
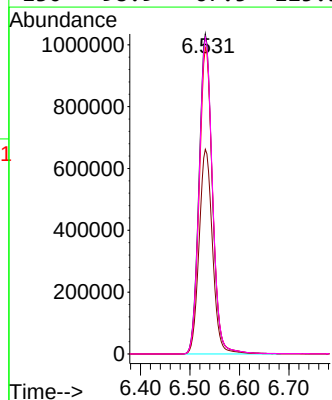
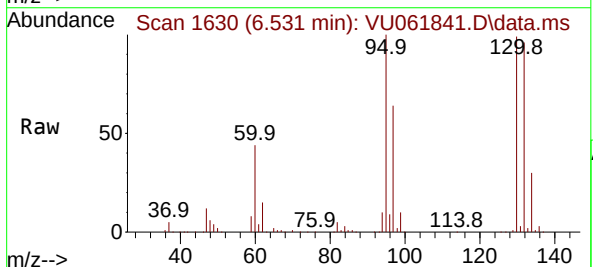
Instrument :
MSVOA_U
ClientSampleId :

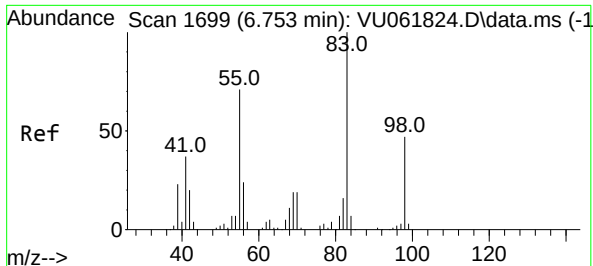
Tgt Ion:117 Resp: 6314
Ion Ratio Lower Upper
117 100
119 87.2 76.6 114.8



#34
Trichloroethene
Concen: 126.190 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

Tgt Ion: 95 Resp: 1936574
Ion Ratio Lower Upper
95 100
97 63.9 43.5 80.9
132 95.7 65.2 121.0
130 98.9 67.5 125.3

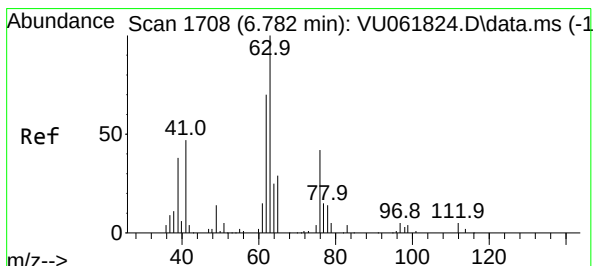
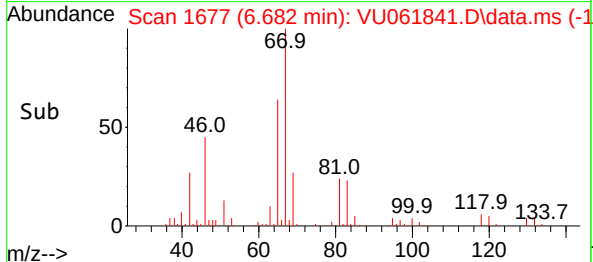
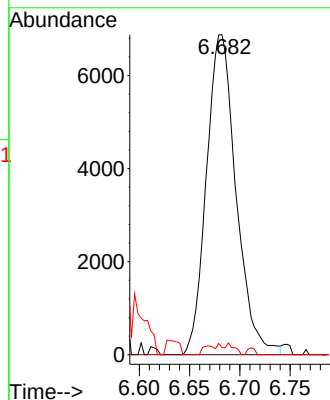
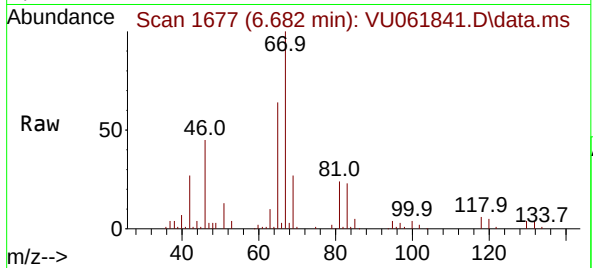




#35
Methylcyclohexane
Concen: 0.610 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.071 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

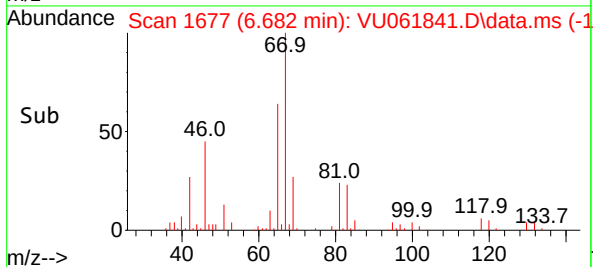
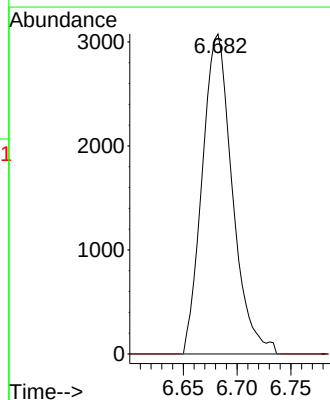
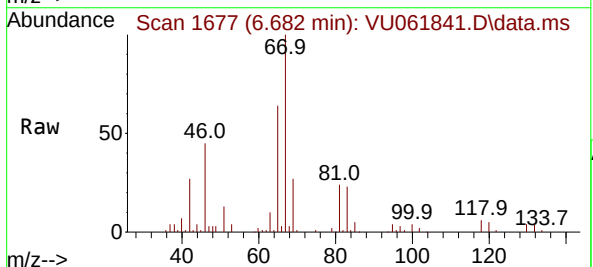
Instrument :
MSVOA_U
ClientSampleId :

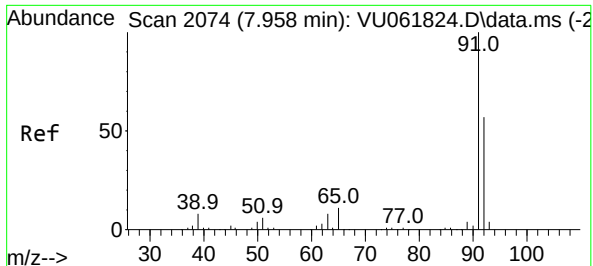
Tgt Ion: 83 Resp: 14127
Ion Ratio Lower Upper
83 100
55 0.0 56.4 84.6#
98 0.0 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 0.416 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

Tgt Ion: 63 Resp: 6005
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#





#42

Toluene

Concen: 0.728 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.007 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Instrument :

MSVOA_U

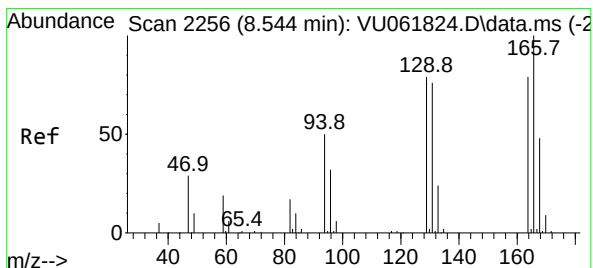
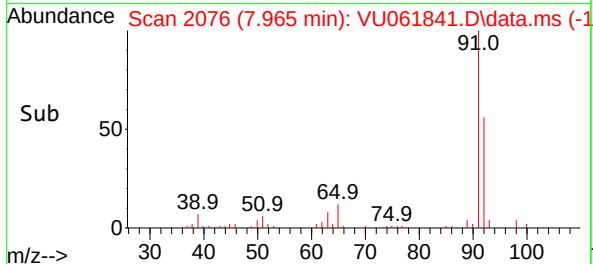
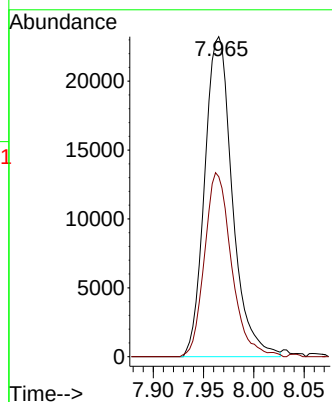
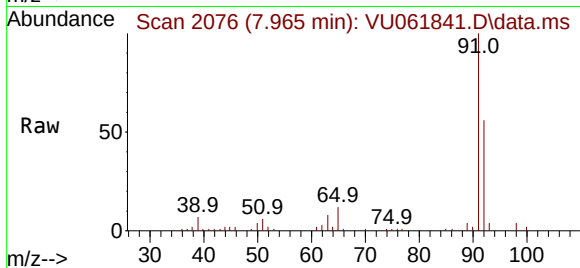
ClientSampleId :

Tgt Ion: 91 Resp: 44576

Ion Ratio Lower Upper

91 100

92 56.3 39.7 73.7



#47

Tetrachloroethene

Concen: 15.131 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Tgt Ion: 164 Resp: 174487

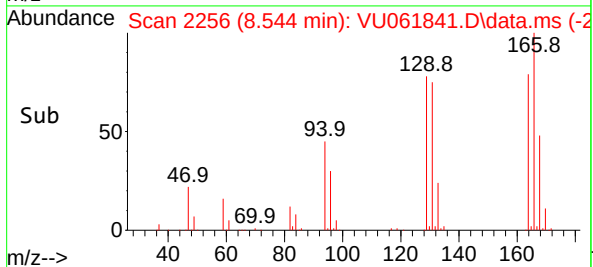
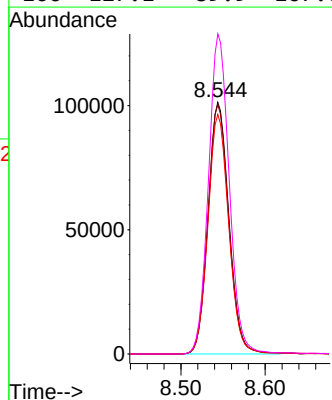
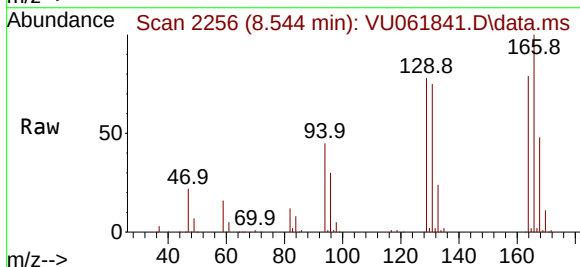
Ion Ratio Lower Upper

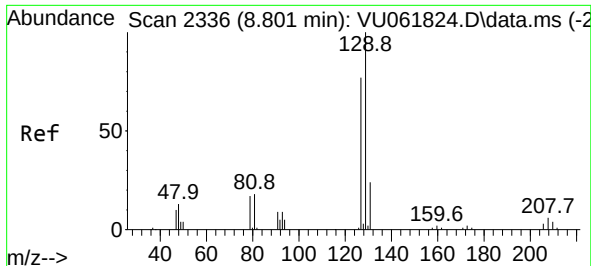
164 100

129 99.0 71.7 133.3

131 95.2 68.2 126.6

166 127.1 89.9 167.0





#49

Dibromochloromethane

Concen: 15.756 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Instrument :

MSVOA_U

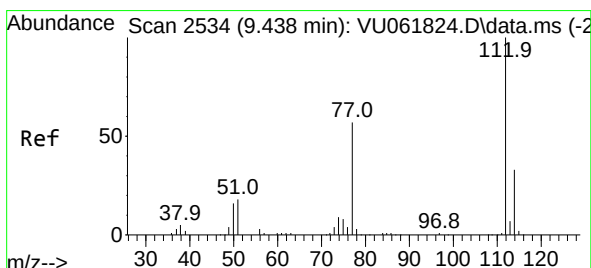
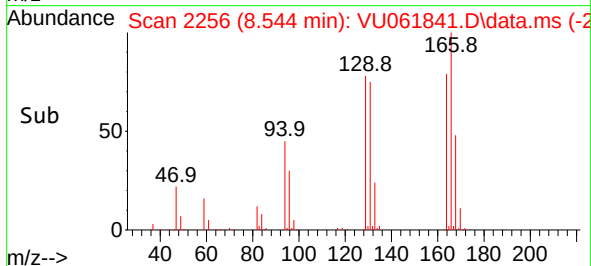
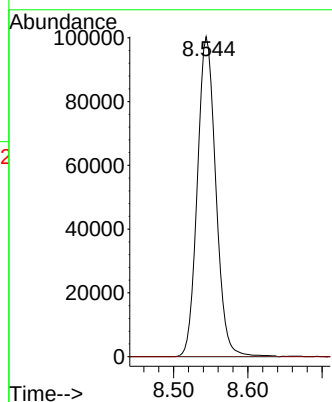
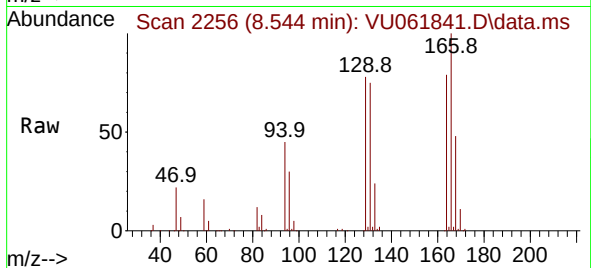
ClientSampleId :

Tgt Ion:129 Resp: 173663

Ion Ratio Lower Upper

129 100

127 0.0 55.1 102.3#



#51

Chlorobenzene

Concen: 0.443 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

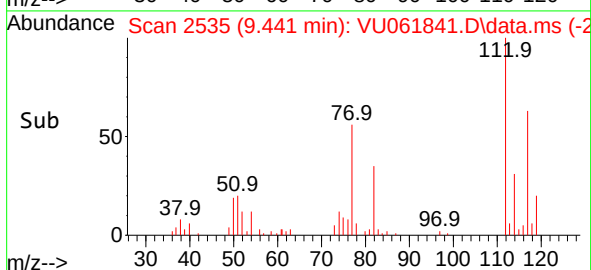
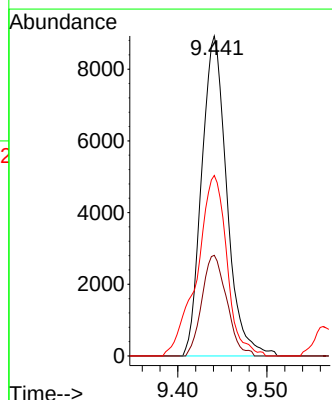
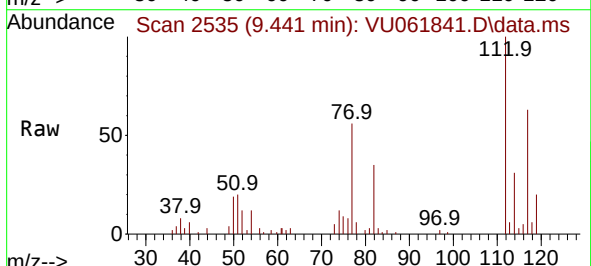
Tgt Ion:112 Resp: 17456

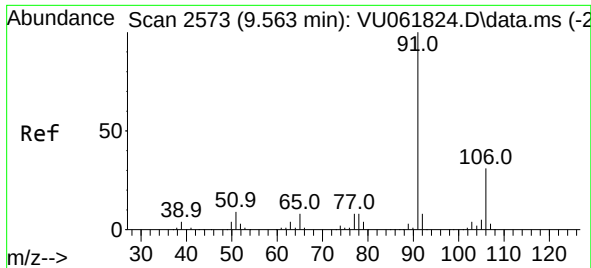
Ion Ratio Lower Upper

112 100

114 29.6 22.5 41.9

77 53.1 45.3 67.9

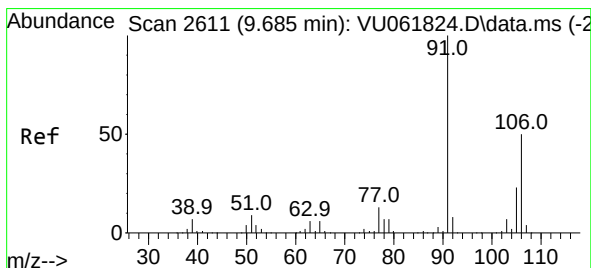
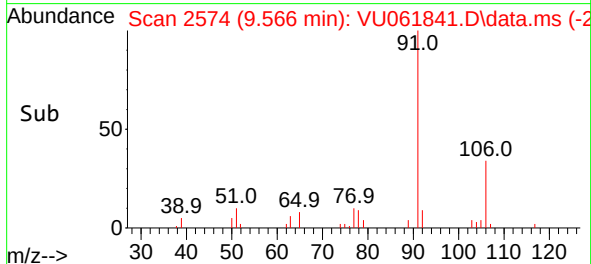
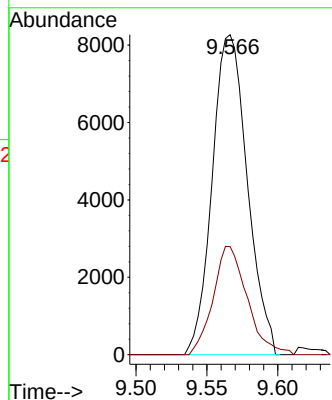
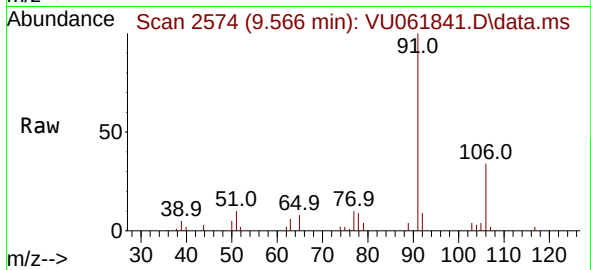




#52
Ethylbenzene
Concen: 0.219 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

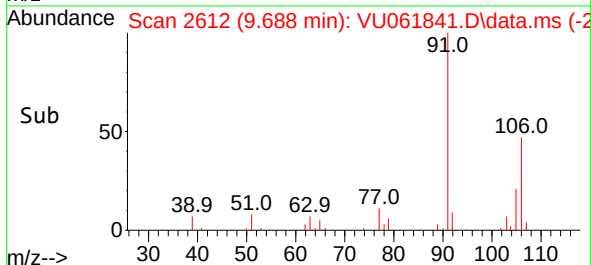
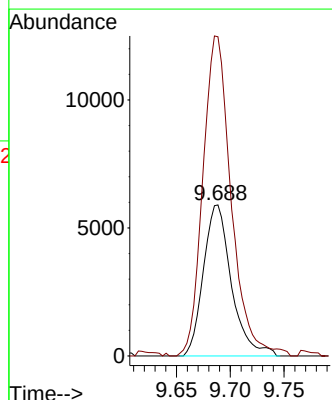
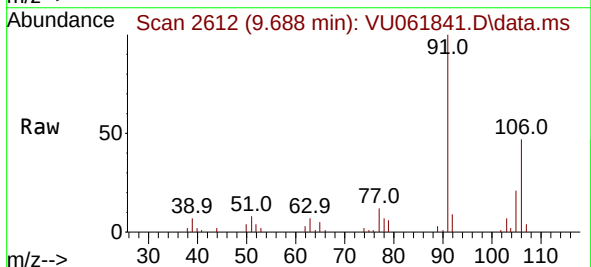
Instrument :
MSVOA_U
ClientSampleId :

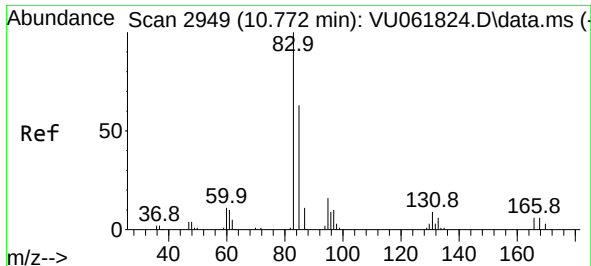
Tgt Ion: 91 Resp: 14260
Ion Ratio Lower Upper
91 100
106 33.7 21.7 40.3



#53
m,p-Xylene
Concen: 0.428 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

Tgt Ion:106 Resp: 10687
Ion Ratio Lower Upper
106 100
91 211.3 140.4 260.8





#57

1,1,2,2-Tetrachloroethane

Concen: 0.134 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Instrument :

MSVOA_U

ClientSampleId :

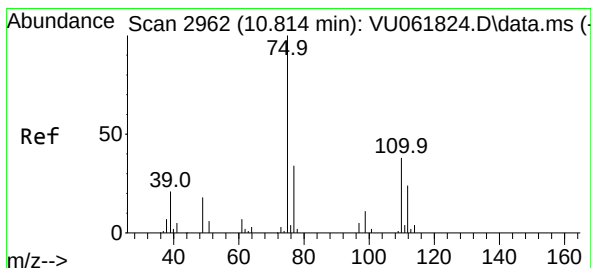
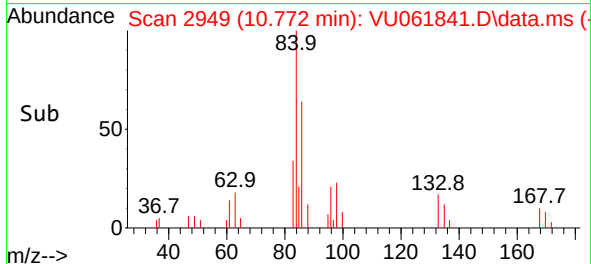
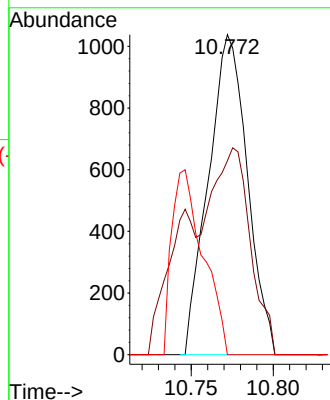
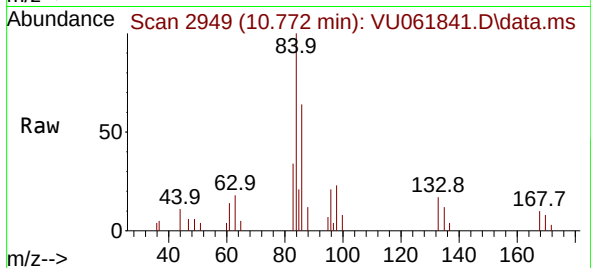
Tgt Ion: 83 Resp: 1709

Ion Ratio Lower Upper

83 100

85 60.6 41.9 77.9

131 0.0 7.8 11.6#



#61

1,2,3-Trichloropropane

Concen: 1.369 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

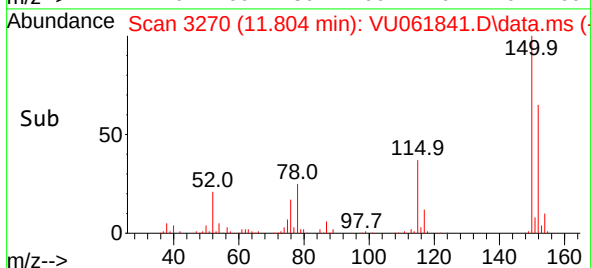
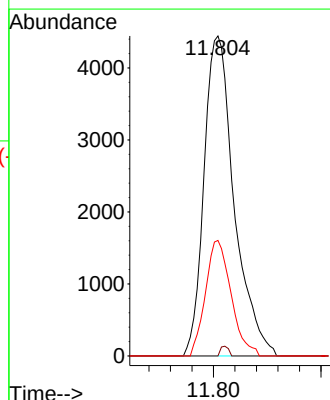
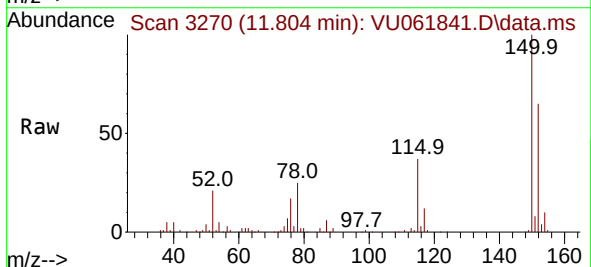
Tgt Ion: 75 Resp: 8656

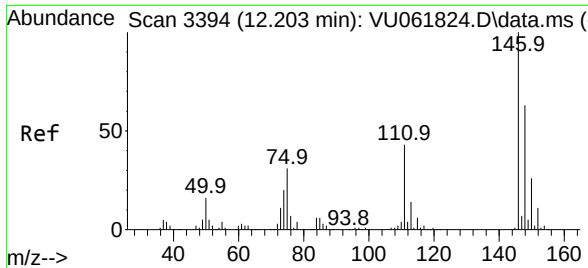
Ion Ratio Lower Upper

75 100

110 0.8 31.3 46.9#

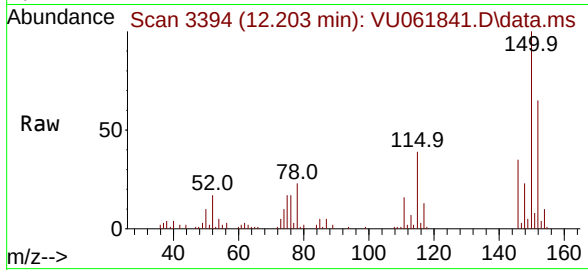
77 30.6 26.0 39.0





#67
1,2-Dichlorobenzene
Concen: 0.543 ug/L
RT: 12.203 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:146 Resp: 10778
Ion Ratio Lower Upper
146 100
111 44.4 35.2 52.8
148 64.7 52.6 79.0

