

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061839.D
 Acq On : 19 Nov 2024 03:02
 Operator : MD/SY
 Sample : P4885-10
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 04:37:05 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	164858	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	157715	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	68873	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	34174	3.208	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.200%
7) Chloroethane-d5	1.907	69	34293	3.771	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.560	65	16457	3.444	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.800%
20) 2-Butanone-d5	4.611	46	108709	48.083	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.160%
24) Chloroform-d	5.052	84	91680	4.330	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.692	65	47086	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.718	84	185488	4.251	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.682	67	58610	4.554	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.891	98	162609	3.998	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
43) trans-1,3-Dichloroprop...	8.174	79	18132	3.825	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.600%
46) 2-Hexanone-d5	8.621	63	88016	46.990	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.980%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	47949	4.727	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.184	152	56994	4.646	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	8477	0.795	ug/L	98
12) 1,1-Dichloroethene	2.570	96	1795	0.180	ug/L #	1
16) Methylene chloride	3.036	84	36769	3.206	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	21675	1.986	ug/L	98
19) 1,1-Dichloroethane	3.859	63	2985	0.150	ug/L #	82
22) cis-1,2-Dichloroethene	4.653	96	89474	7.268	ug/L	97
27) 1,2-Dichloroethane	5.791	62	4973	0.378	ug/L #	94
29) 1,1,1-Trichloroethane	5.306	97	73348	4.087	ug/L	99
31) Carbon tetrachloride	5.303	117	9927	0.649	ug/L	94
34) Trichloroethene	6.531	95	702349	54.494	ug/L	97
35) Methylcyclohexane	6.682	83	13906	0.715	ug/L #	20
37) 1,2-Dichloropropane	6.679	63	6267	0.518	ug/L #	89
42) Toluene	7.962	91	58369	1.136	ug/L	100
47) Tetrachloroethene	8.544	164	145849	15.059	ug/L	97
49) Dibromochloromethane	8.544	129	145806	15.752	ug/L #	10
51) Chlorobenzene	9.441	112	37939	1.147	ug/L	97
52) Ethylbenzene	9.563	91	26430	0.483	ug/L	94
53) m,p-Xylene	9.685	106	20176	0.963	ug/L	96
54) o-Xylene	10.097	106	3824	0.188	ug/L	90

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QLast Update : Tue Nov 19 03:37:44 2024
Response via : Initial Calibration

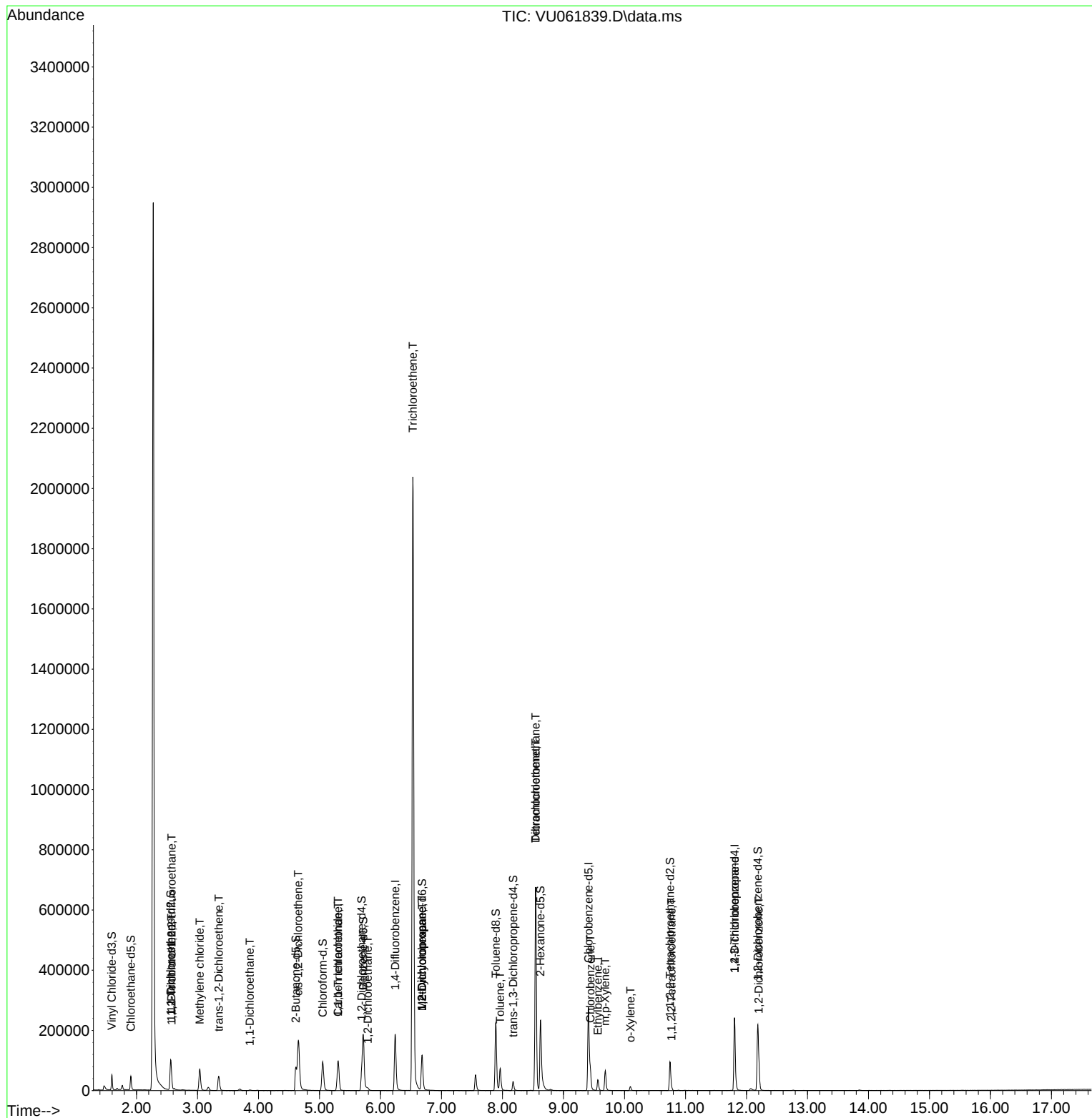
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	10.772	83	4014	0.374	ug/L #	82
61) 1,2,3-Trichloropropane	11.804	75	9388	1.447	ug/L #	64
67) 1,2-Dichlorobenzene	12.203	146	23391	1.148	ug/L	98

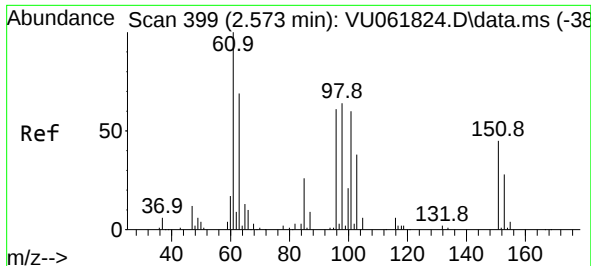
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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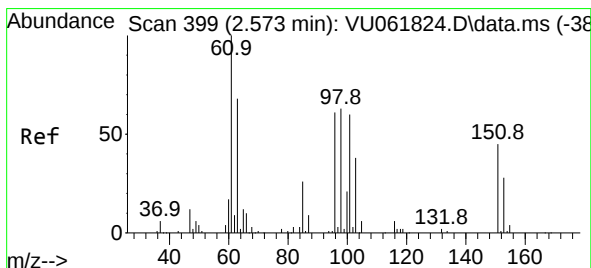
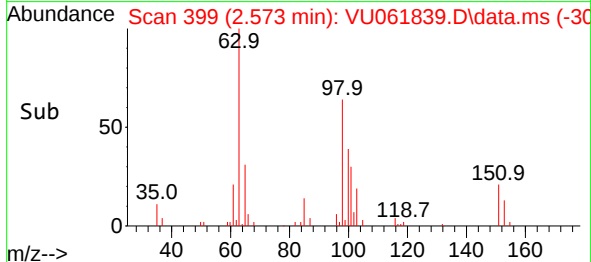
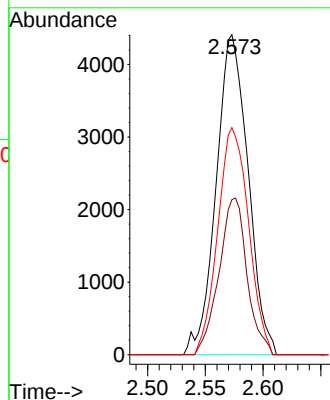
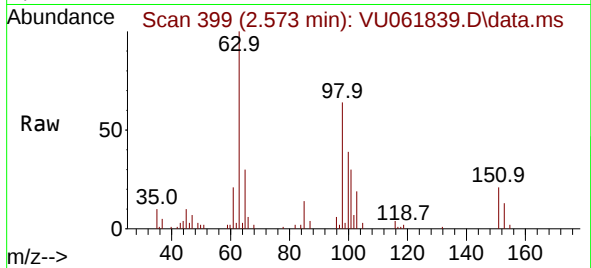




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.795 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU061839.D
 Acq: 19 Nov 2024 03:02

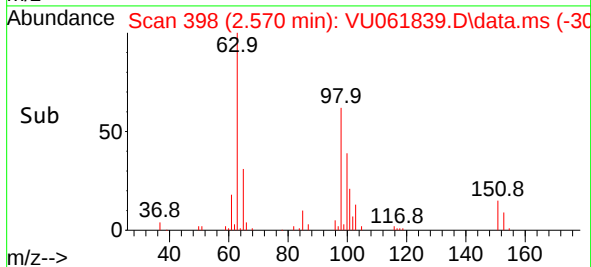
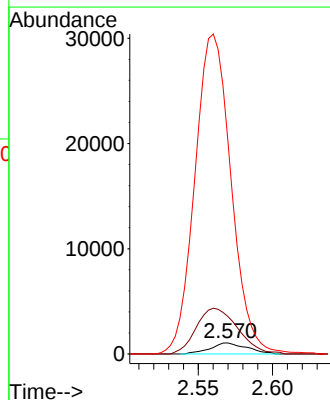
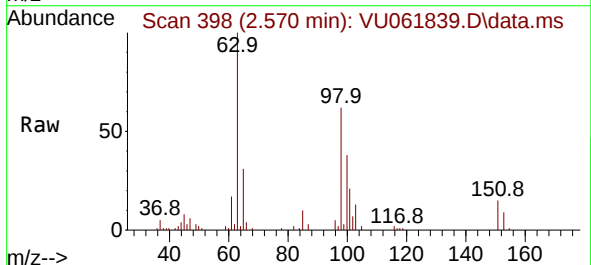
Instrument :
 MSVOA_U
 ClientSampleId :

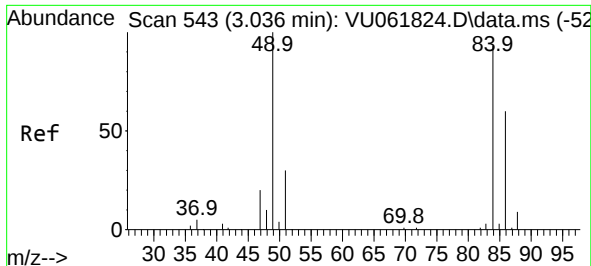
Tgt Ion:101 Resp: 8477
 Ion Ratio Lower Upper
 101 100
 85 43.1 35.1 52.7
 151 68.5 56.9 85.3



#12
 1,1-Dichloroethene
 Concen: 0.180 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU061839.D
 Acq: 19 Nov 2024 03:02

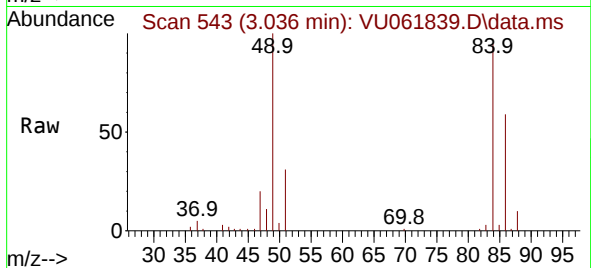
Tgt Ion: 96 Resp: 1795
 Ion Ratio Lower Upper
 96 100
 61 342.0 116.8 217.0#
 63 1954.5 86.1 159.9#



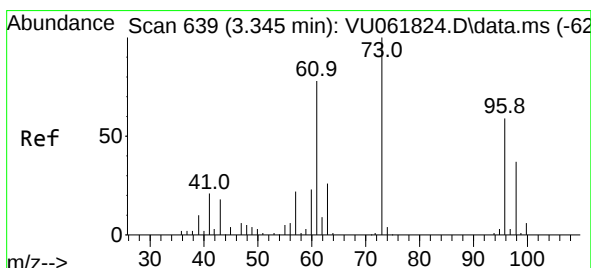
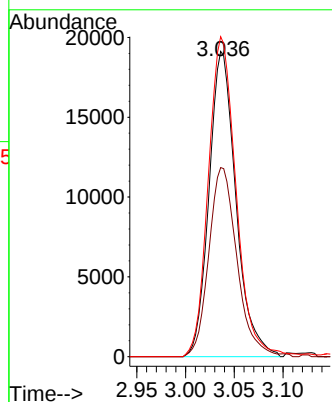
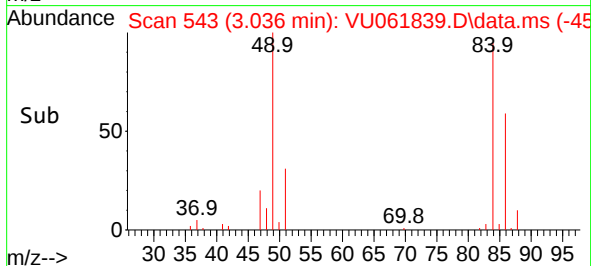


#16
Methylene chloride
Concen: 3.206 ug/L
RT: 3.036 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

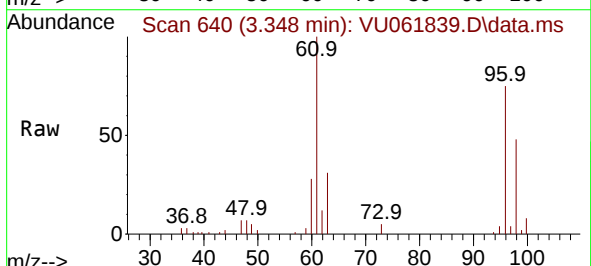
Instrument :
MSVOA_U
ClientSampleId :



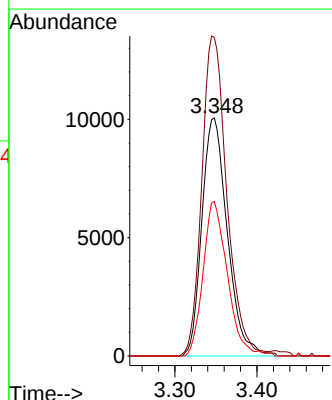
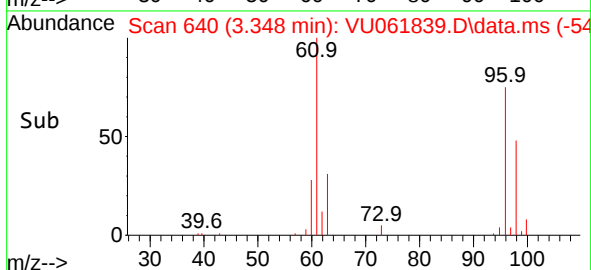
Tgt Ion: 84 Resp: 36769
Ion Ratio Lower Upper
84 100
86 61.9 45.1 83.7
49 104.8 76.3 141.7

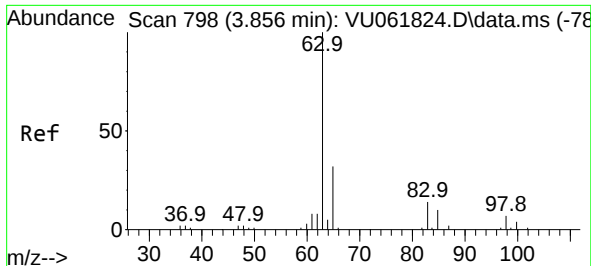


#18
trans-1,2-Dichloroethene
Concen: 1.986 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02



Tgt Ion: 96 Resp: 21675
Ion Ratio Lower Upper
96 100
61 133.9 94.1 174.8
98 64.9 43.2 80.2





#19

1,1-Dichloroethane

Concen: 0.150 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

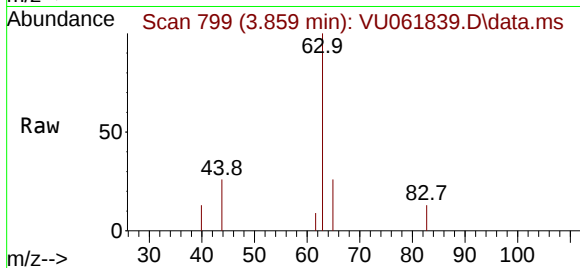
Lab File: VU061839.D

Acq: 19 Nov 2024 03:02

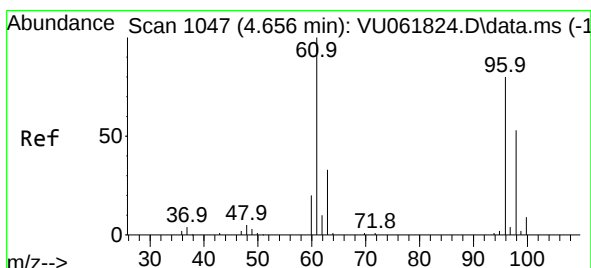
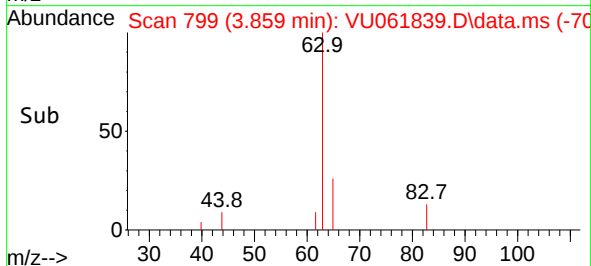
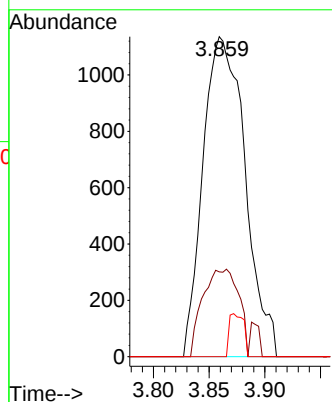
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	63	Resp:	2985
Ion	Ratio	Lower	Upper
63	100		
65	26.5	23.4	43.4
83	0.0	9.6	17.8



#22

cis-1,2-Dichloroethene

Concen: 7.268 ug/L

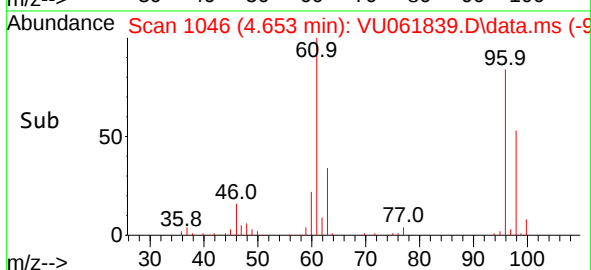
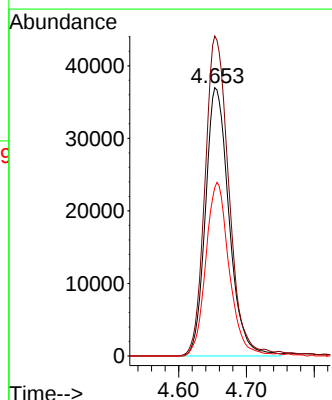
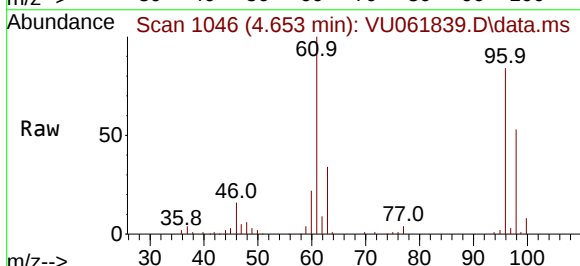
RT: 4.653 min Scan# 1046

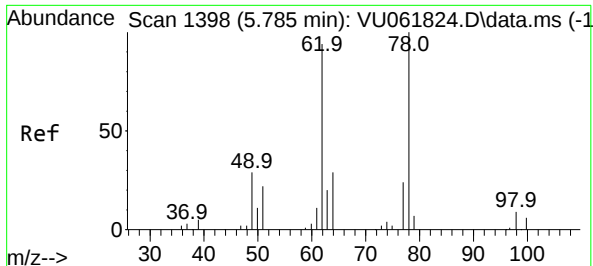
Delta R.T. -0.003 min

Lab File: VU061839.D

Acq: 19 Nov 2024 03:02

Tgt Ion:	96	Resp:	89474
Ion	Ratio	Lower	Upper
96	100		
61	119.3	85.6	159.0
98	62.8	45.6	84.8

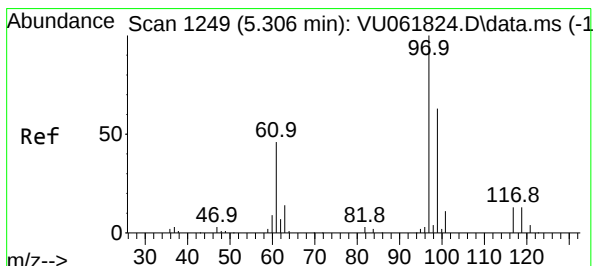
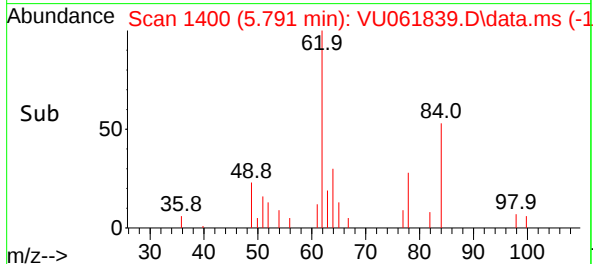
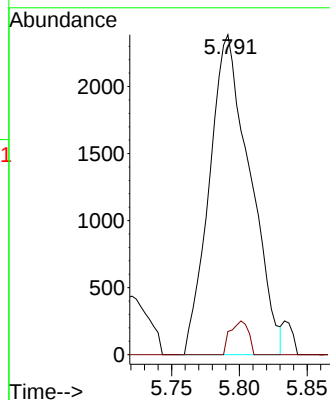
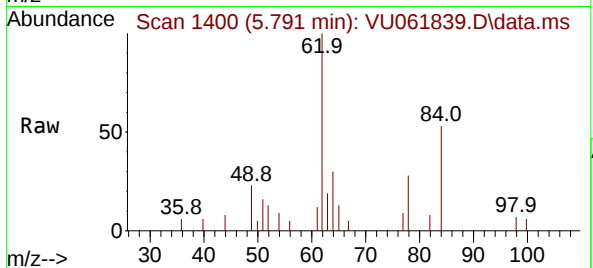




#27
1,2-Dichloroethane
Concen: 0.378 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. 0.007 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

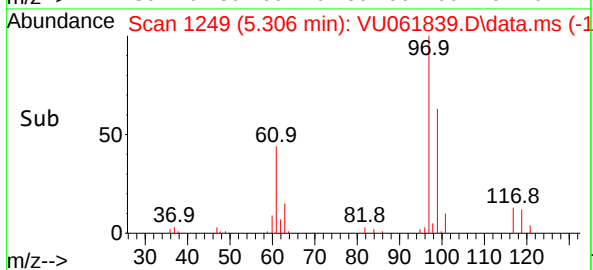
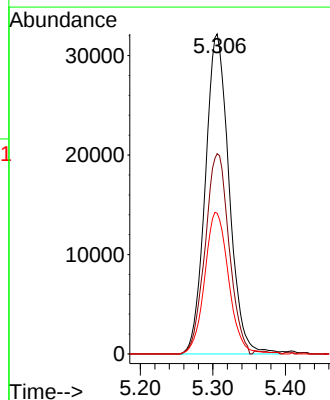
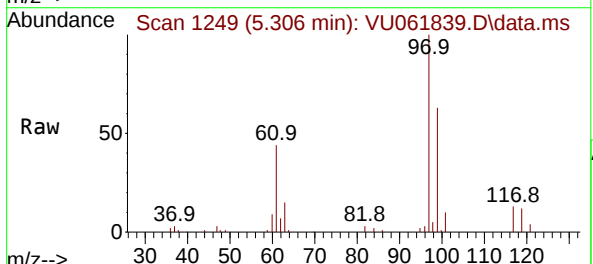
Instrument :
MSVOA_U
ClientSampleId :

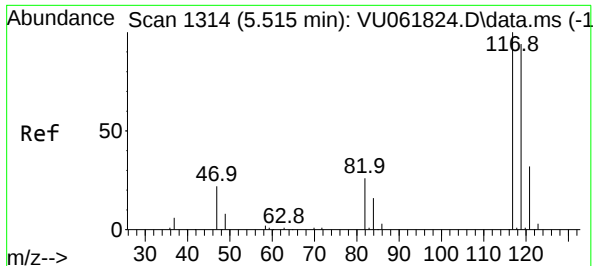
Tgt Ion: 62 Resp: 4973
Ion Ratio Lower Upper
62 100
98 7.2 7.7 11.5#



#29
1,1,1-Trichloroethane
Concen: 4.087 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

Tgt Ion: 97 Resp: 73348
Ion Ratio Lower Upper
97 100
99 63.1 51.7 77.5
61 44.7 35.4 53.0

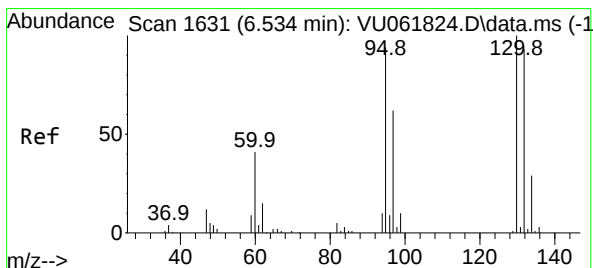
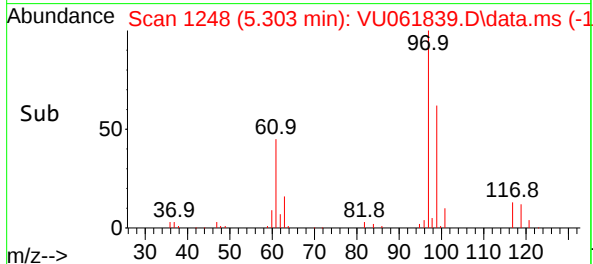
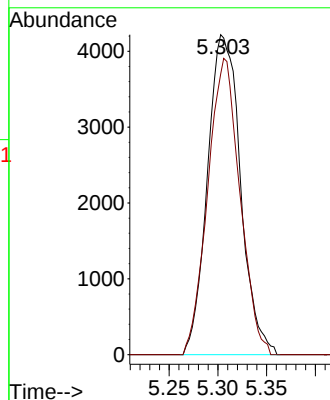
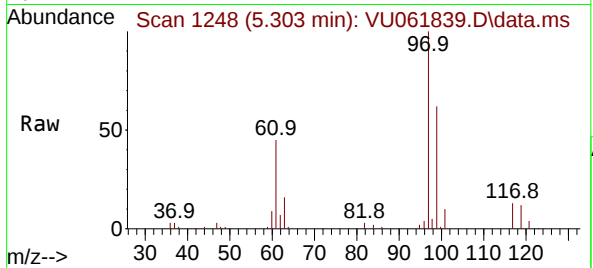




#31
Carbon tetrachloride
Concen: 0.649 ug/L
RT: 5.303 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

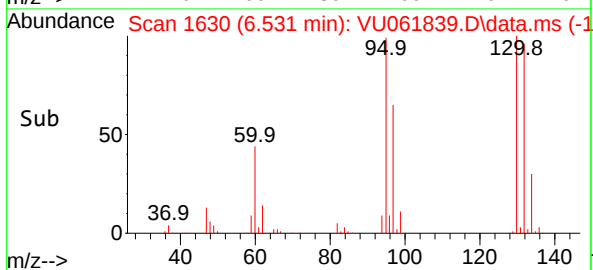
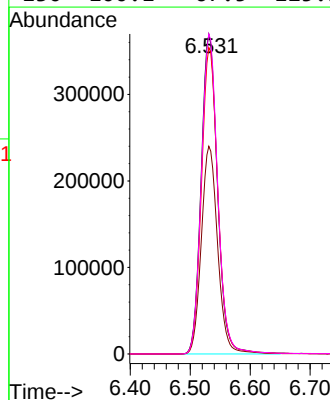
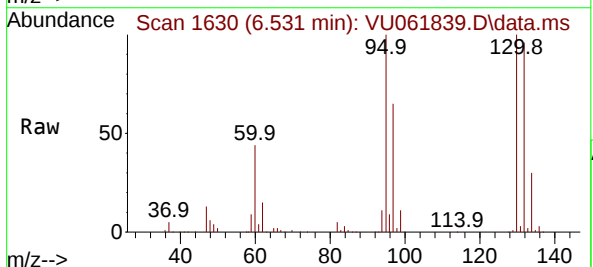
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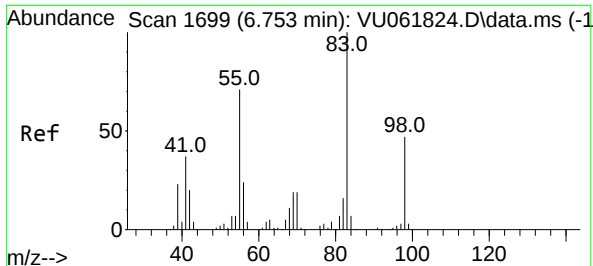
Tgt Ion:117 Resp: 9927
Ion Ratio Lower Upper
117 100
119 90.3 76.6 114.8



#34
Trichloroethene
Concen: 54.494 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

Tgt Ion: 95 Resp: 702349
Ion Ratio Lower Upper
95 100
97 65.0 43.5 80.9
132 95.9 65.2 121.0
130 100.1 67.5 125.3





#35

Methylcyclohexane

Concen: 0.715 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU061839.D

Acq: 19 Nov 2024 03:02

Instrument :

MSVOA_U

ClientSampleId :

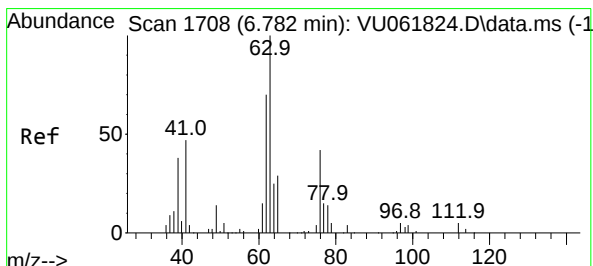
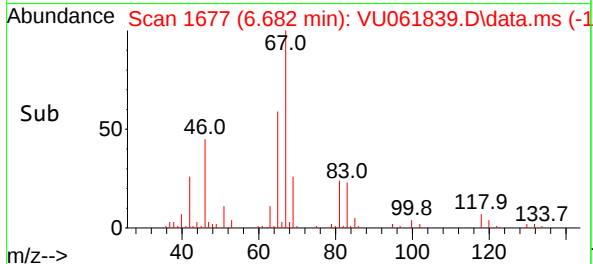
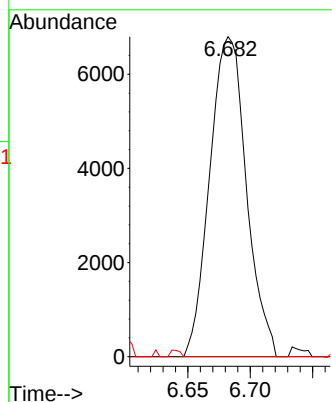
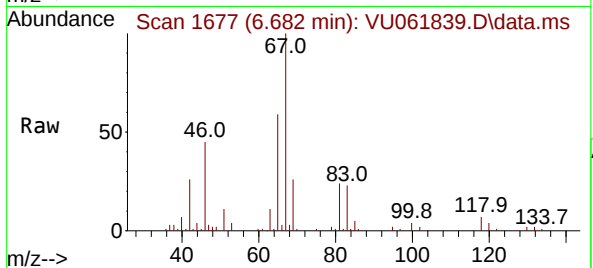
Tgt Ion: 83 Resp: 13906

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: 0.518 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.103 min

Lab File: VU061839.D

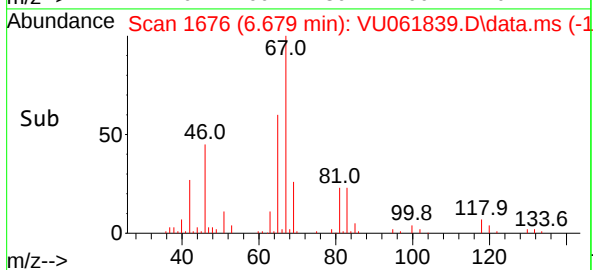
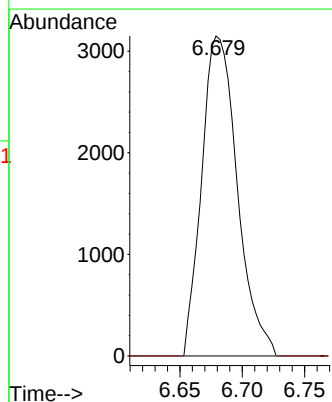
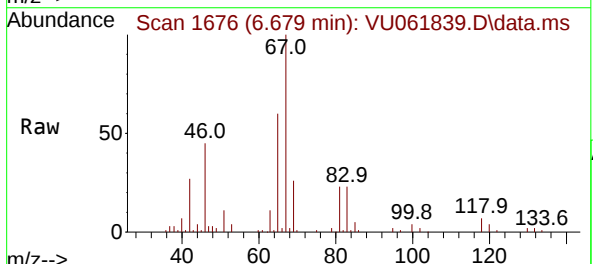
Acq: 19 Nov 2024 03:02

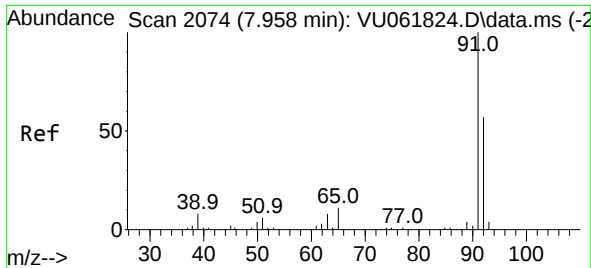
Tgt Ion: 63 Resp: 6267

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#





#42

Toluene

Concen: 1.136 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU061839.D

Acq: 19 Nov 2024 03:02

Instrument :

MSVOA_U

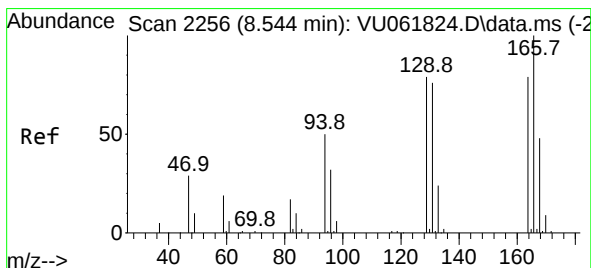
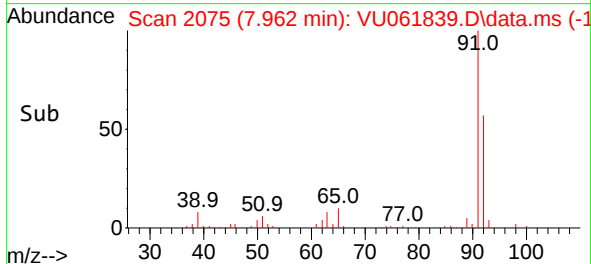
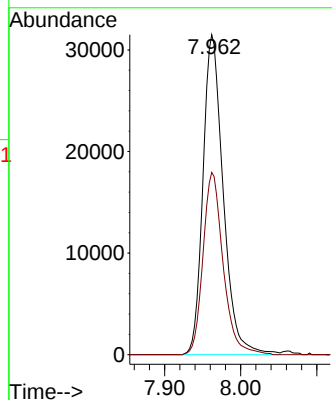
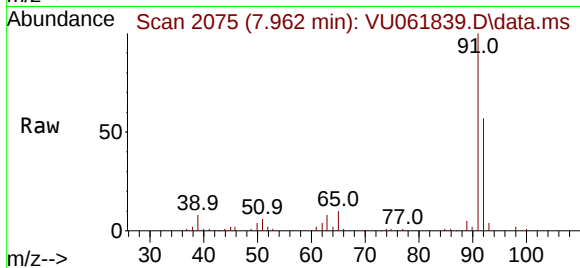
ClientSampleId :

Tgt Ion: 91 Resp: 58369

Ion Ratio Lower Upper

91 100

92 57.0 39.7 73.7



#47

Tetrachloroethene

Concen: 15.059 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061839.D

Acq: 19 Nov 2024 03:02

Tgt Ion: 164 Resp: 145849

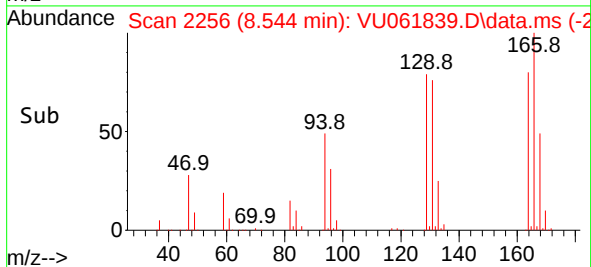
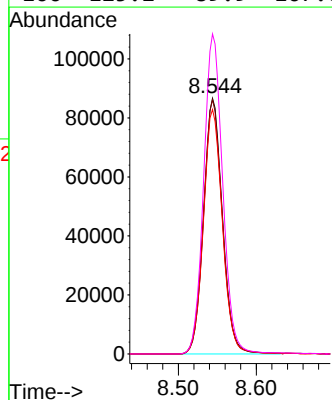
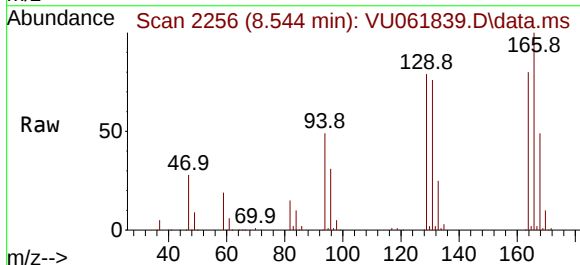
Ion Ratio Lower Upper

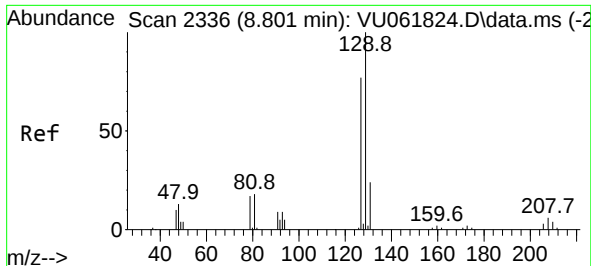
164 100

129 99.5 71.7 133.3

131 95.6 68.2 126.6

166 125.2 89.9 167.0

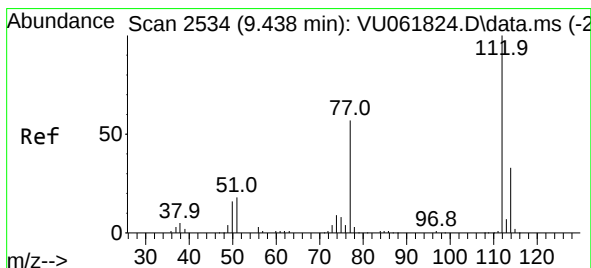
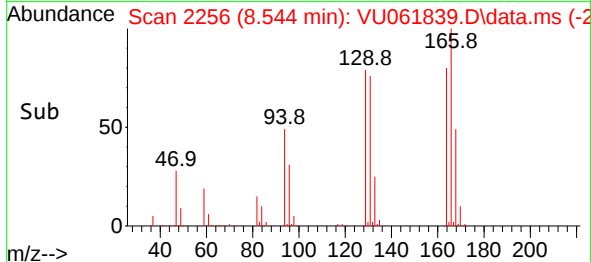
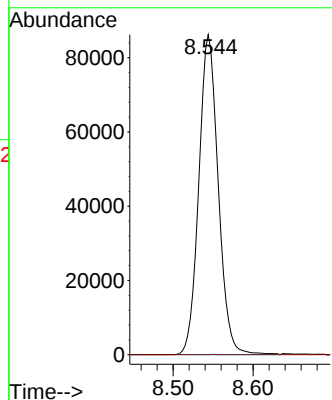
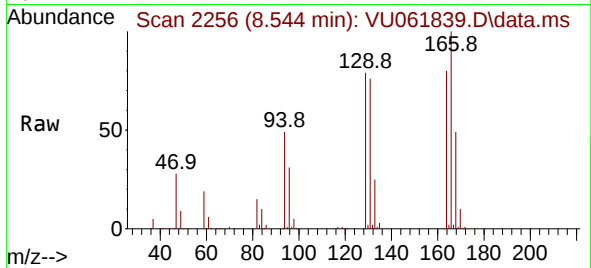




#49
Dibromochloromethane
Concen: 15.752 ug/L
RT: 8.544 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

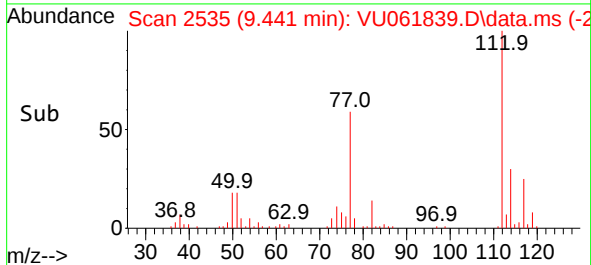
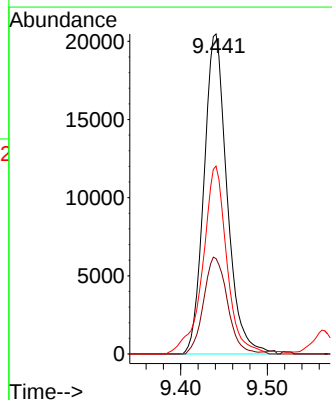
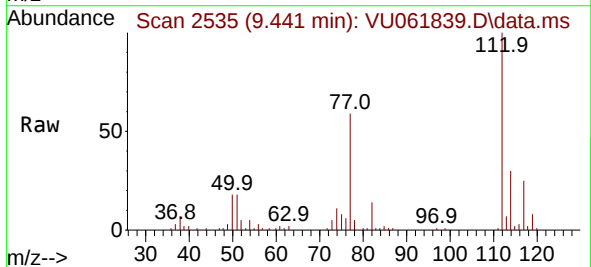
Instrument :
MSVOA_U
ClientSampleId :

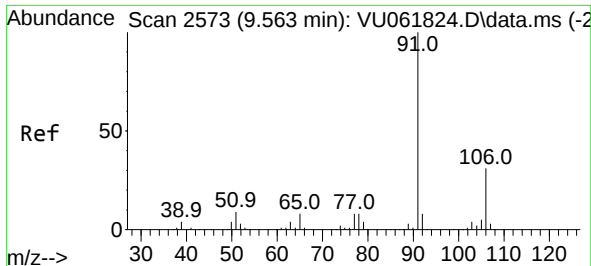
Tgt Ion:129 Resp: 145806
Ion Ratio Lower Upper
129 100
127 0.0 55.1 102.3#



#51
Chlorobenzene
Concen: 1.147 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

Tgt Ion:112 Resp: 37939
Ion Ratio Lower Upper
112 100
114 29.8 22.5 41.9
77 58.7 45.3 67.9

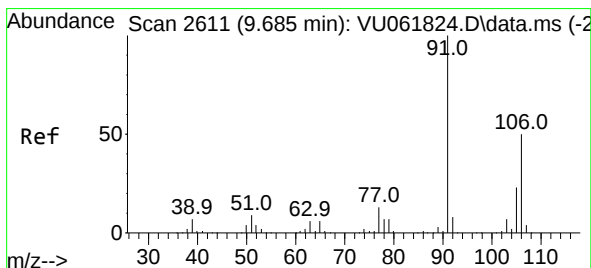
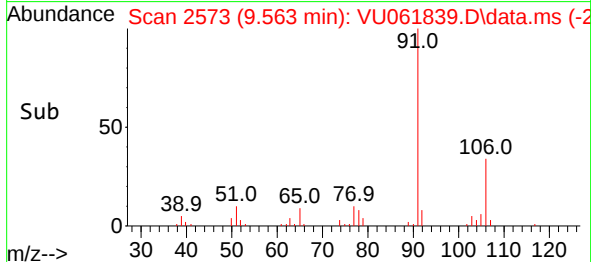
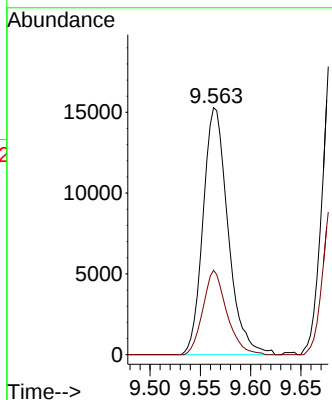
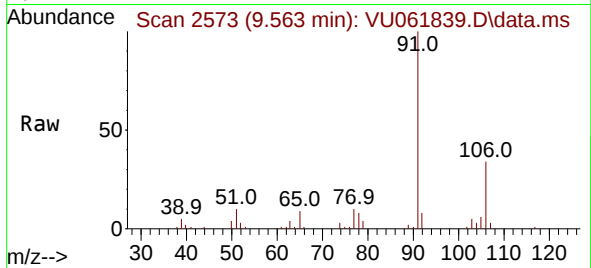




#52
Ethylbenzene
Concen: 0.483 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

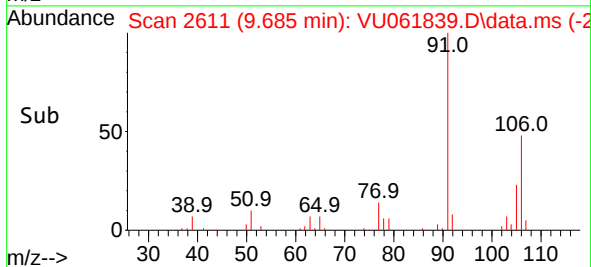
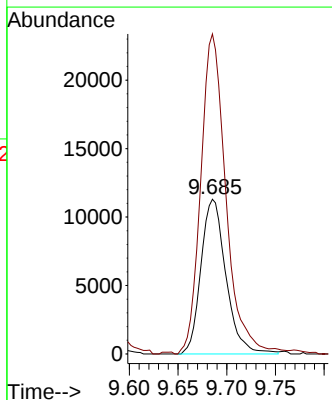
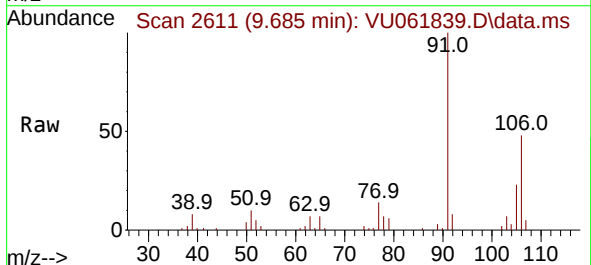
Instrument :
MSVOA_U
ClientSampleId :

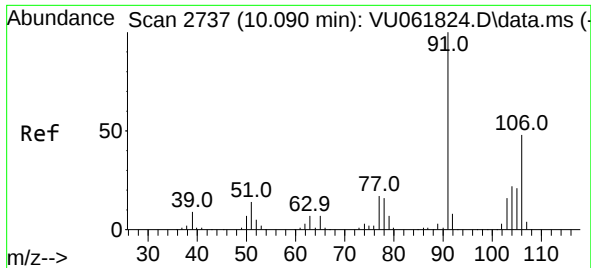
Tgt Ion: 91 Resp: 26430
Ion Ratio Lower Upper
91 100
106 34.2 21.7 40.3



#53
m,p-Xylene
Concen: 0.963 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

Tgt Ion: 106 Resp: 20176
Ion Ratio Lower Upper
106 100
91 206.9 140.4 260.8

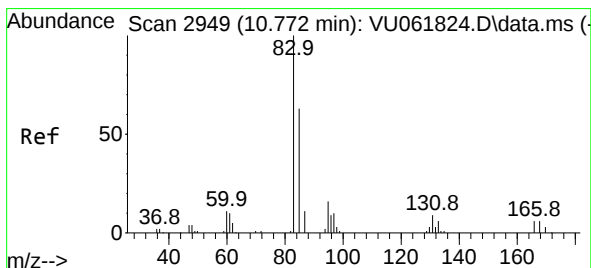
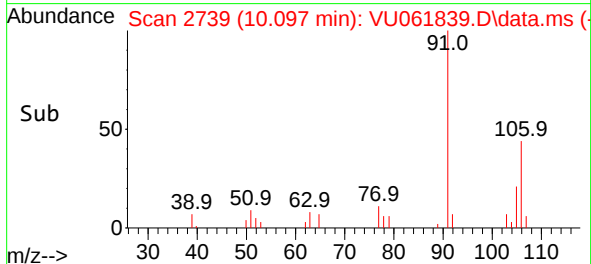
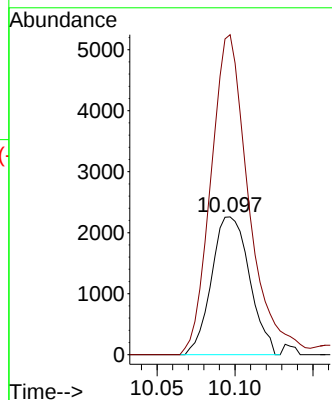
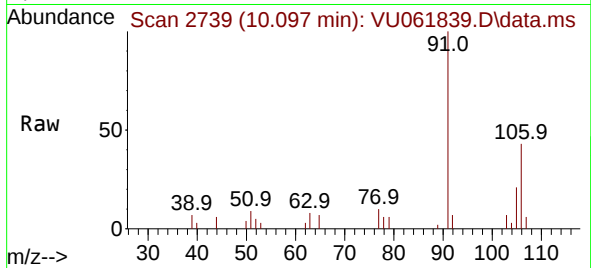




#54
o-Xylene
Concen: 0.188 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

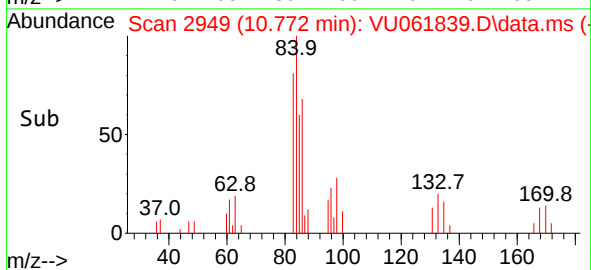
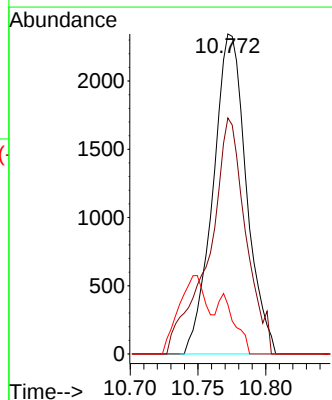
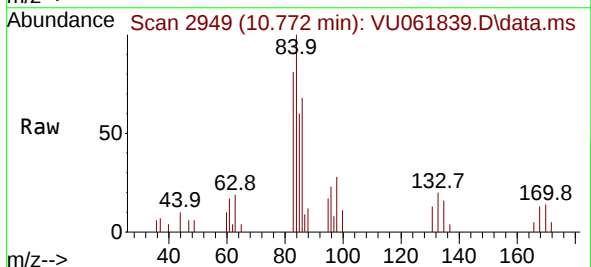
Instrument :
MSVOA_U
ClientSampleId :

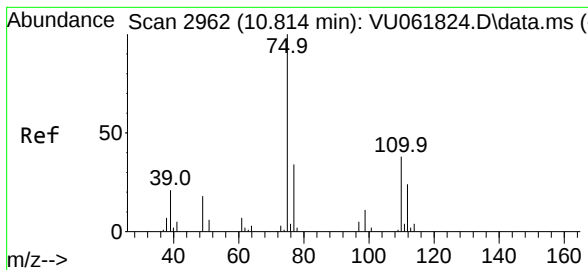
Tgt Ion:106 Resp: 3824
Ion Ratio Lower Upper
106 100
91 232.3 151.3 280.9



#57
1,1,2,2-Tetrachloroethane
Concen: 0.374 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

Tgt Ion: 83 Resp: 4014
Ion Ratio Lower Upper
83 100
85 73.8 41.9 77.9
131 15.4 7.8 11.6#

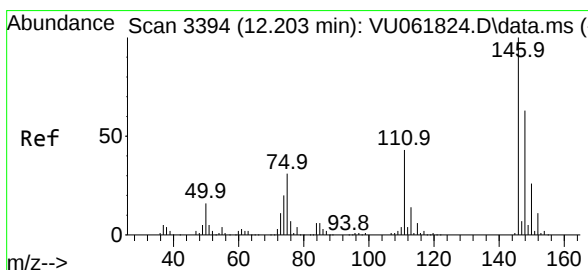
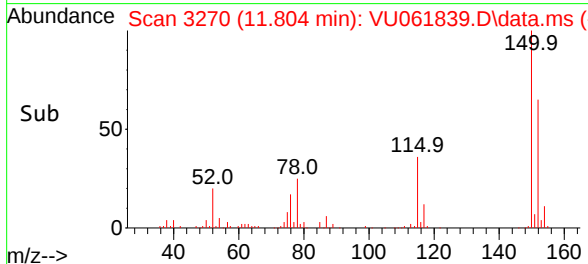
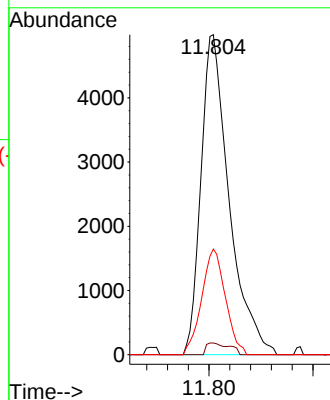
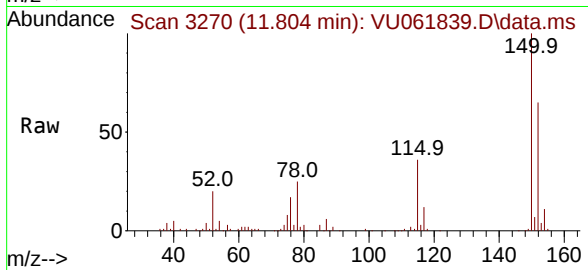




#61
1,2,3-Trichloropropane
Concen: 1.447 ug/L
RT: 11.804 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 9388
Ion Ratio Lower Upper
75 100
110 3.0 31.3 46.9#
77 27.7 26.0 39.0



#67
1,2-Dichlorobenzene
Concen: 1.148 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. 0.000 min
Lab File: VU061839.D
Acq: 19 Nov 2024 03:02

Tgt Ion:146 Resp: 23391
Ion Ratio Lower Upper
146 100
111 43.1 35.2 52.8
148 64.3 52.6 79.0

