

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112124\
 Data File : VU061942.D
 Acq On : 22 Nov 2024 02:04
 Operator : MD/SY
 Sample : P4904-01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG411

Quant Time: Nov 22 04:31:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 00:07:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	138358	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	131204	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	56844	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	37457	5.519	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 110.400%	
7) Chloroethane-d5	1.907	69	29664	4.941	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 98.800%	
11) 1,1-Dichloroethene-d2	2.560	65	16812	6.201	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 124.000%	
20) 2-Butanone-d5	4.611	46	89231	41.869	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 83.740%	
24) Chloroform-d	5.052	84	77675	4.691	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 93.800%	
26) 1,2-Dichloroethane-d4	5.692	65	38199	4.483	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 89.600%	
32) Benzene-d6	5.717	84	151747	5.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 118.800%	
36) 1,2-Dichloropropane-d6	6.682	67	48085	5.536	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 110.800%	
41) Toluene-d8	7.891	98	132158	6.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 124.000%	
43) trans-1,3-Dichloroprop...	8.174	79	16627	5.171	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 103.400%	
46) 2-Hexanone-d5	8.624	63	57707	39.317	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 78.640%	
56) 1,1,2,2-Tetrachloroeth...	10.746	84	35939	4.141	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 82.800%	
66) 1,2-Dichlorobenzene-d4	12.187	152	44334	5.275	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 105.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	4982	0.412	ug/L	96
9) Trichlorofluoromethane	2.132	101	622796	38.408	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	9796	0.982	ug/L	94
12) 1,1-Dichloroethene	2.573	96	9511	1.025	ug/L #	1
16) Methylene chloride	3.039	84	21707	1.948	ug/L	96
17) Methyl tert-butyl Ether	3.354	73	68335	2.874	ug/L	97
18) trans-1,2-Dichloroethene	3.354	96	1097	0.112	ug/L	78
19) 1,1-Dichloroethane	3.859	63	70637	3.697	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	9810	0.889	ug/L	97
25) Chloroform	5.084	83	6702	0.336	ug/L	86
27) 1,2-Dichloroethane	5.788	62	3941	0.307	ug/L #	94
29) 1,1,1-Trichloroethane	5.306	97	31601	2.090	ug/L	96
34) Trichloroethene	6.534	95	78599	7.432	ug/L	98
42) Toluene	7.965	91	16877	0.406	ug/L	99
47) Tetrachloroethene	8.544	164	35286	4.588	ug/L	96
51) Chlorobenzene	9.438	112	7941	0.279	ug/L	96
52) Ethylbenzene	9.566	91	5110	0.103	ug/L	94
53) m,p-Xylene	9.692	106	3288	0.187	ug/L	94

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QLast Update : Fri Nov 22 00:07:48 2024
Response via : Initial Calibration

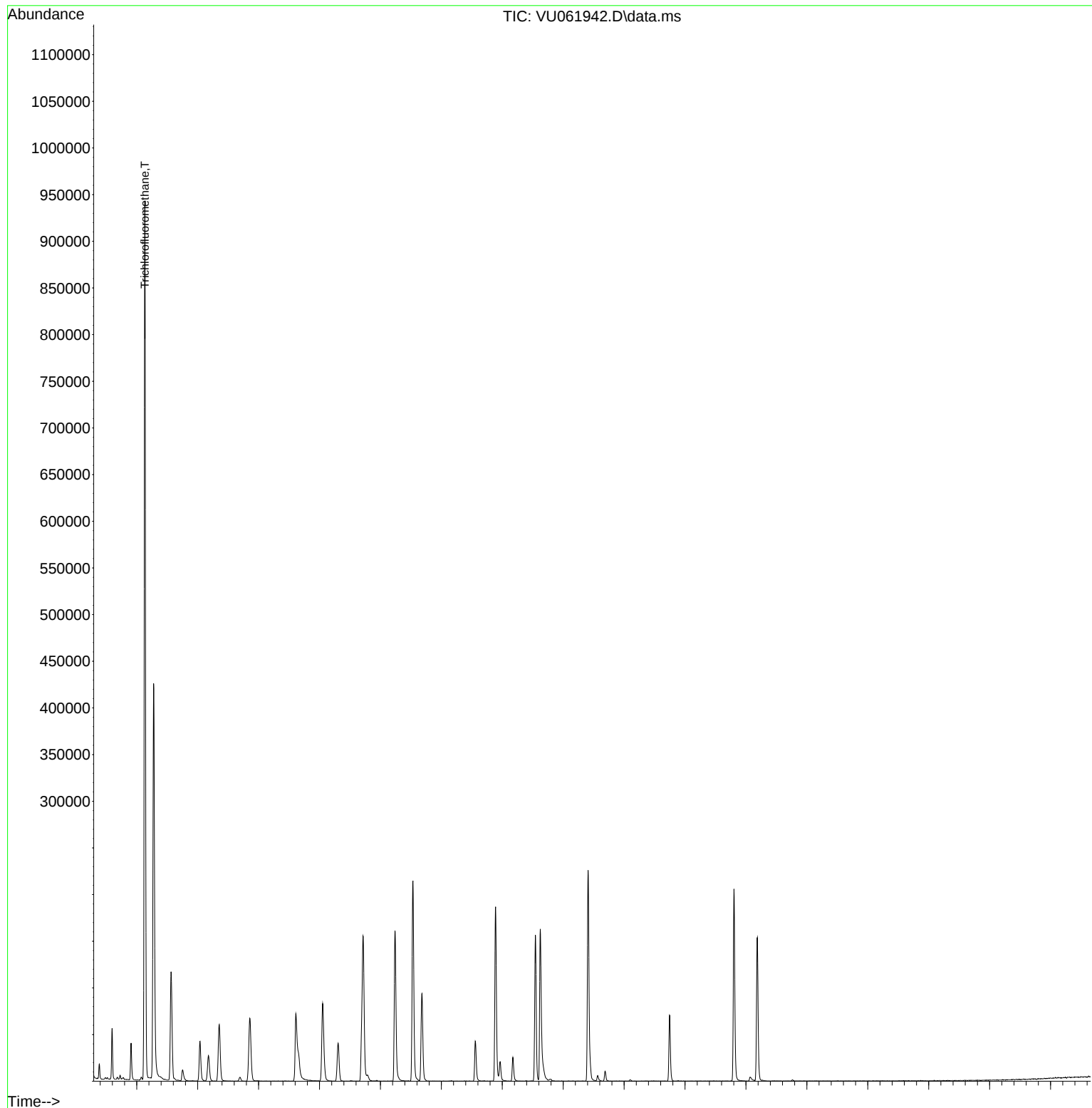
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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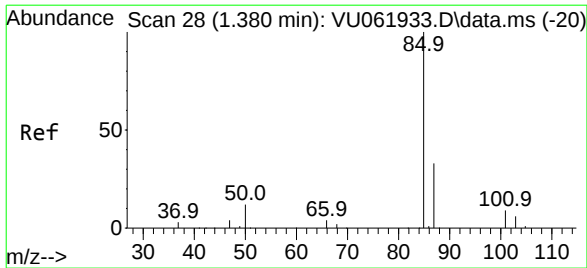
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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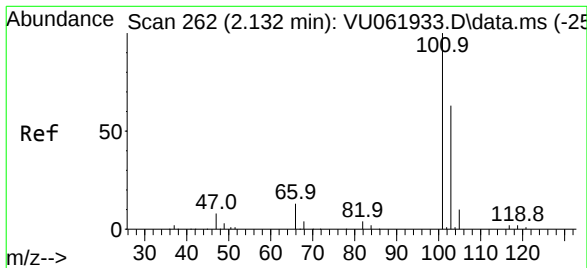
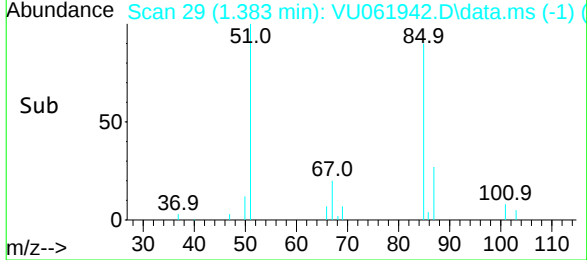
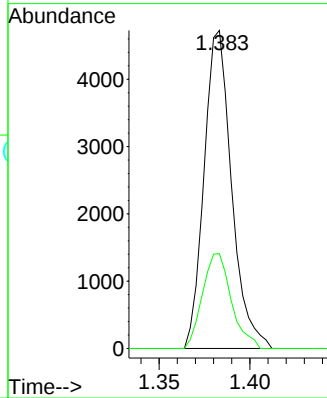
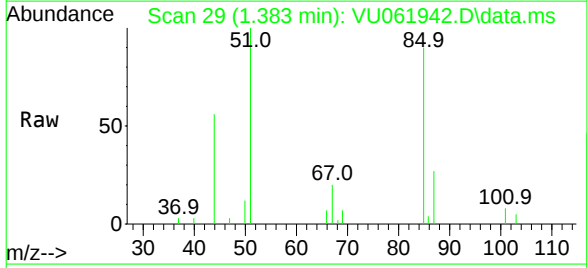




#2
 Dichlorodifluoromethane
 Concen: 0.412 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU061942.D
 Acq: 22 Nov 2024 02:04

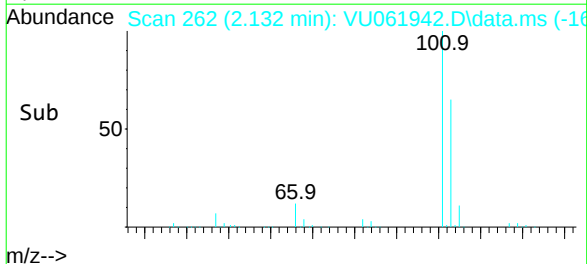
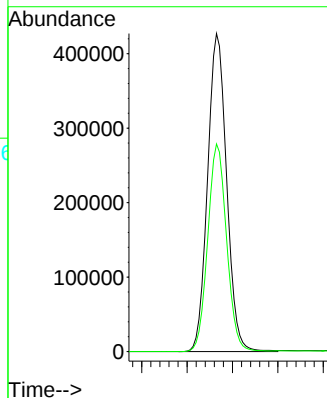
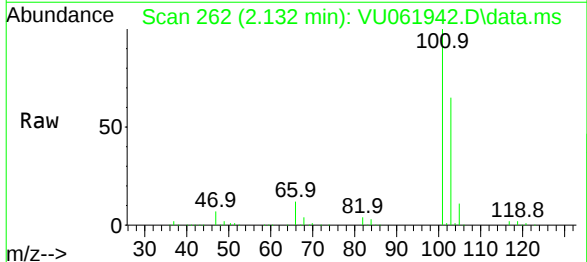
Instrument :
 MSVOA_U
 ClientSampleId :
 BG411

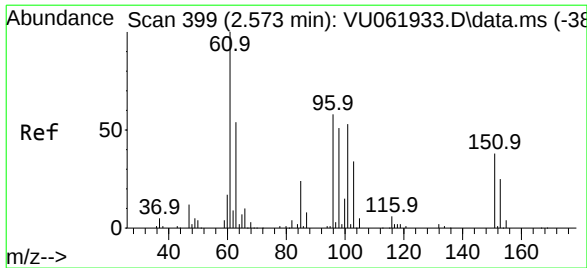
Tgt Ion: 85 Resp: 4982
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.6 40.0



#9
 Trichlorofluoromethane
 Concen: 38.408 ug/L
 RT: 2.132 min Scan# 262
 Delta R.T. -0.000 min
 Lab File: VU061942.D
 Acq: 22 Nov 2024 02:04

Tgt Ion: 101 Resp: 622796
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.6 75.8

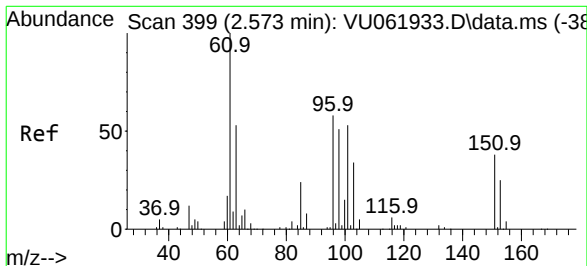
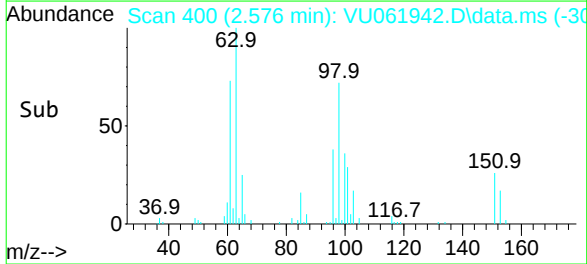
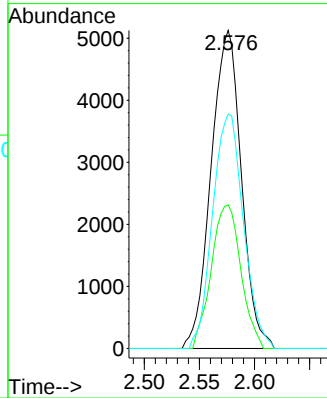
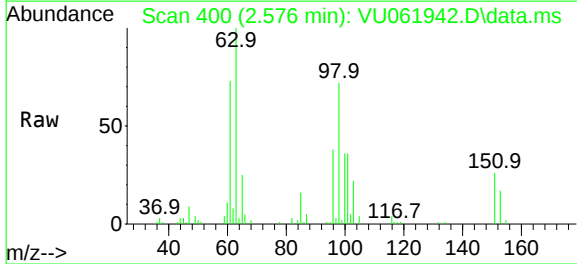




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.982 ug/L
RT: 2.576 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

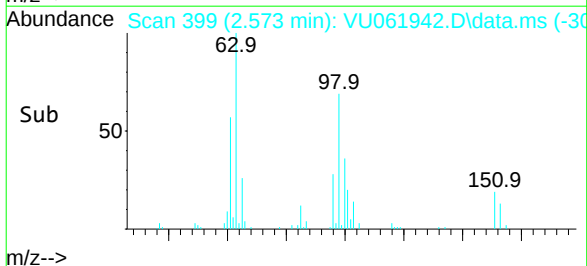
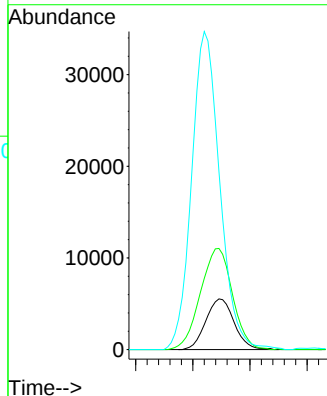
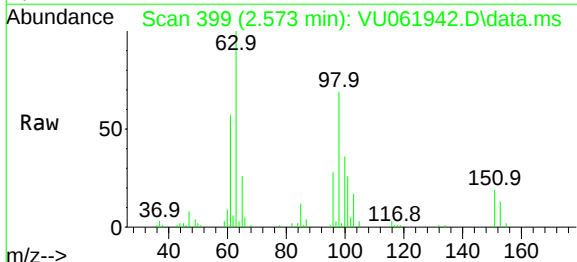
Instrument :
MSVOA_U
ClientSampleId :
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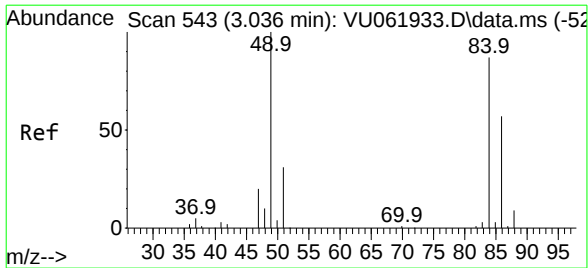
Tgt Ion: 101 Resp: 9796
Ion Ratio Lower Upper
101 100
85 44.1 38.0 57.0
151 75.1 55.3 82.9



#12
1,1-Dichloroethene
Concen: 1.025 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

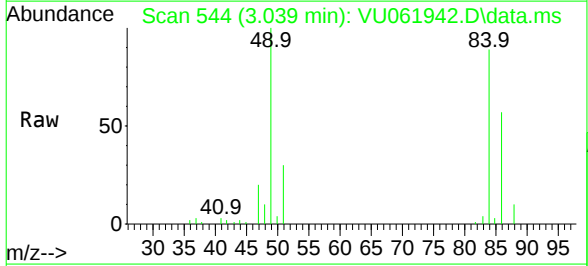
Tgt Ion: 96 Resp: 9511
Ion Ratio Lower Upper
96 100
61 199.5 119.6 222.2
63 351.0 65.0 120.6#



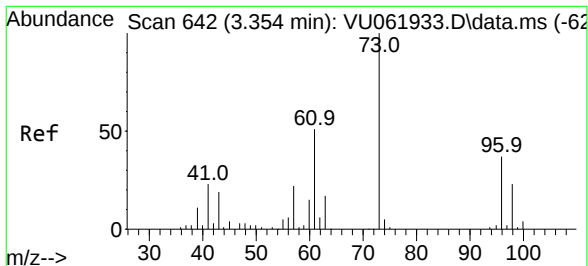
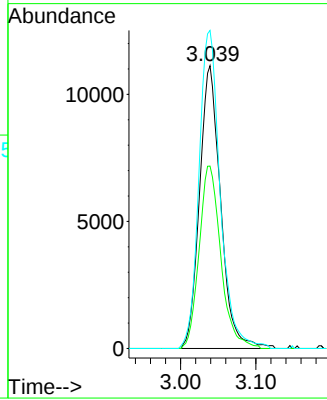
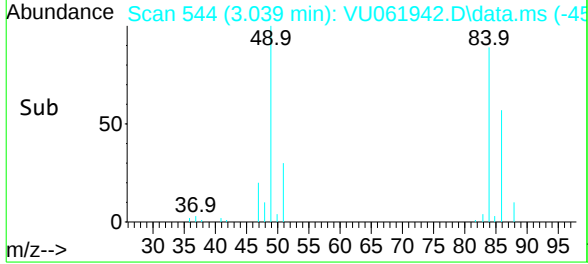


#16
Methylene chloride
Concen: 1.948 ug/L
RT: 3.039 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

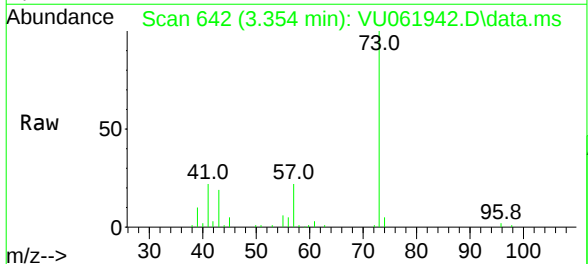
Instrument :
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ClientSampleId :
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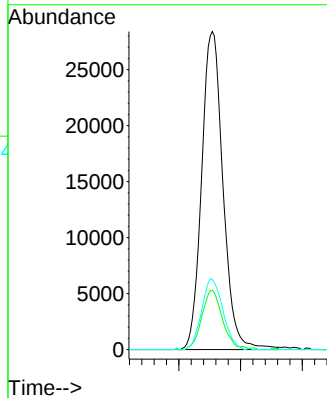
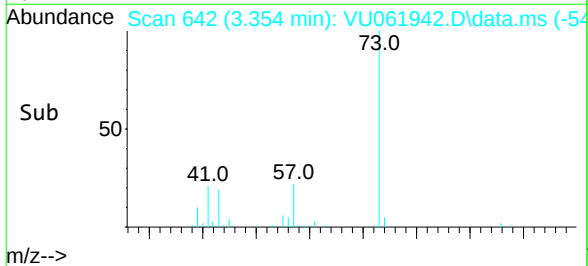
Tgt Ion: 84 Resp: 21707
Ion Ratio Lower Upper
84 100
86 64.5 43.5 80.7
49 112.5 81.9 152.1

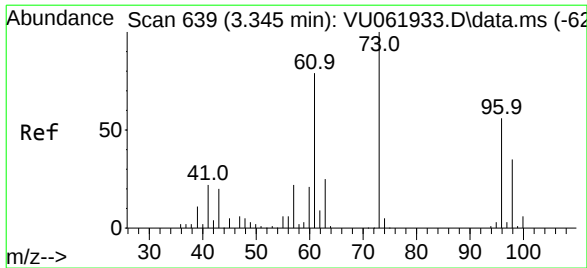


#17
Methyl tert-butyl Ether
Concen: 2.874 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04



Tgt Ion: 73 Resp: 68335
Ion Ratio Lower Upper
73 100
43 18.0 16.3 24.5
57 22.1 17.1 25.7

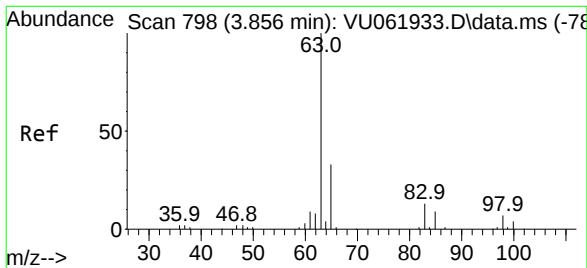
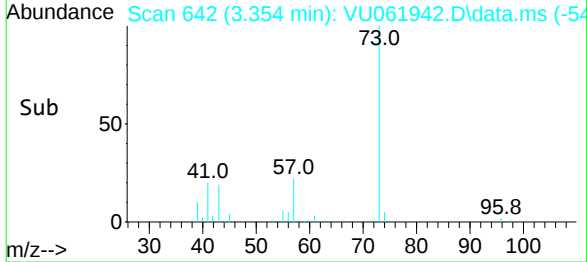
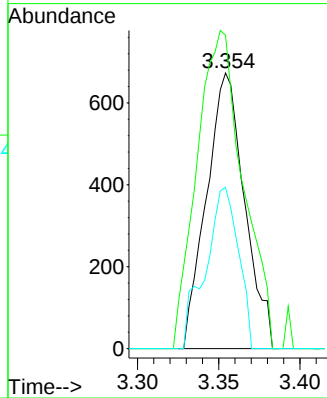
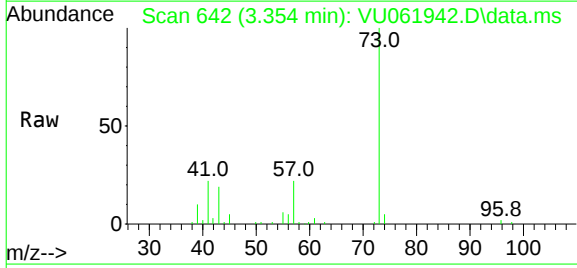




#18
trans-1,2-Dichloroethene
Concen: 0.112 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.010 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

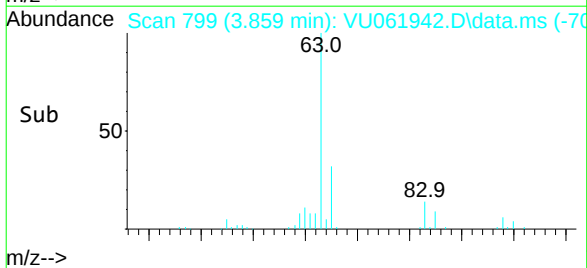
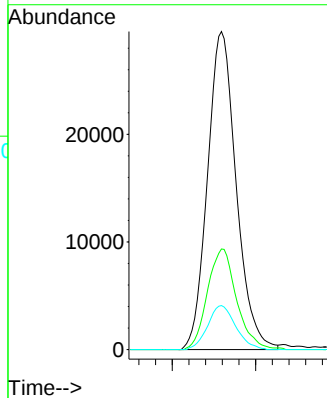
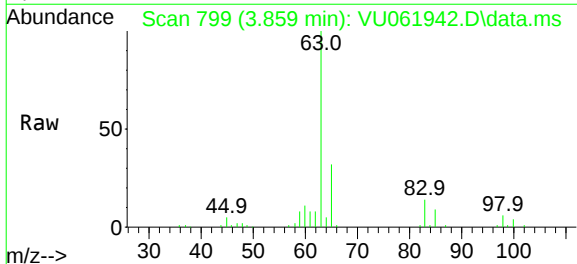
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ClientSampleId :
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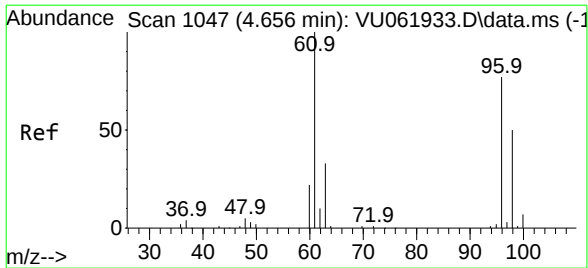
Tgt Ion:	96	Resp:	1097
Ion	Ratio	Lower	Upper
96	100		
61	113.7	104.2	193.4
98	58.5	45.7	84.9



#19
1,1-Dichloroethane
Concen: 3.697 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.003 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

Tgt Ion:	63	Resp:	70637
Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.7	42.3
83	13.8	9.9	18.3

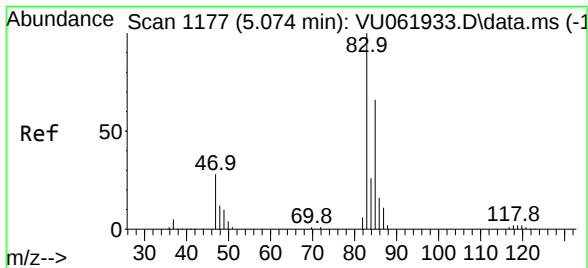
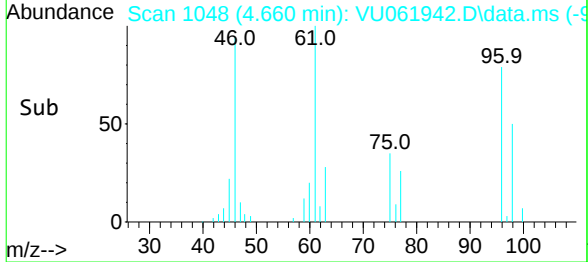
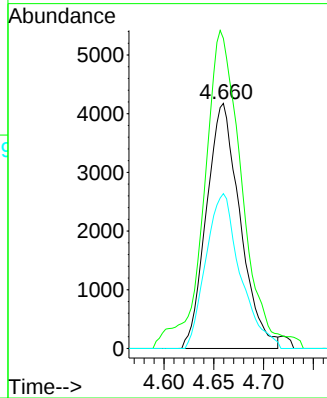
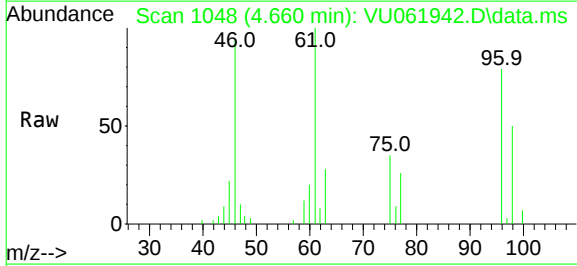




#22
cis-1,2-Dichloroethene
Concen: 0.889 ug/L
RT: 4.660 min Scan# 1047
Delta R.T. 0.003 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

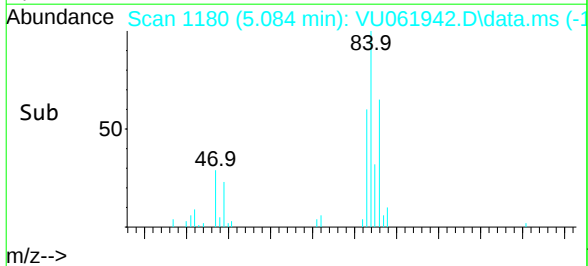
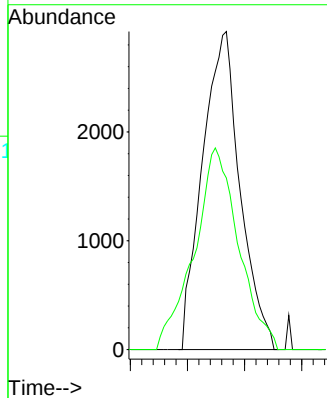
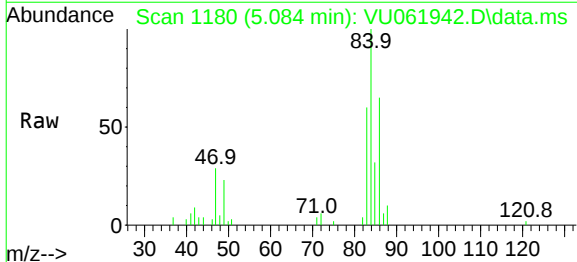
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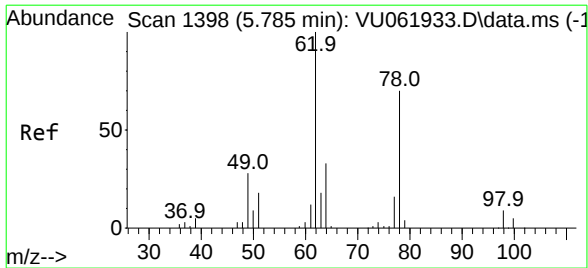
Tgt Ion:	96	Resp:	9810
Ion	Ratio	Lower	Upper
96	100		
61	126.5	92.0	170.8
98	63.2	44.5	82.7



#25
Chloroform
Concen: 0.336 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.010 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

Tgt Ion:	83	Resp:	6702
Ion	Ratio	Lower	Upper
83	100		
85	54.0	45.4	84.2

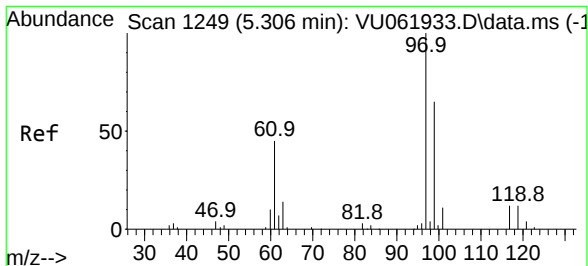
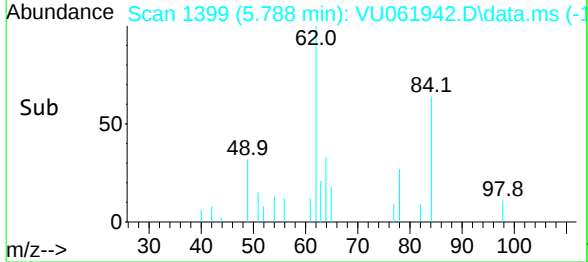
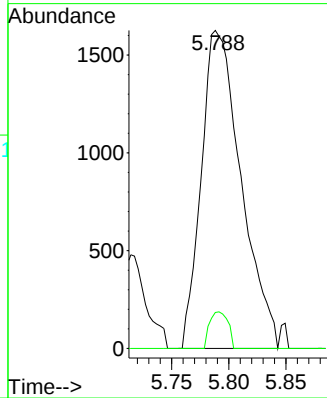
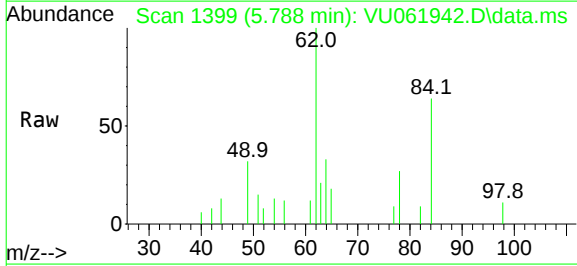




#27
 1,2-Dichloroethane
 Concen: 0.307 ug/L
 RT: 5.788 min Scan# 1398
 Delta R.T. 0.003 min
 Lab File: VU061942.D
 Acq: 22 Nov 2024 02:04

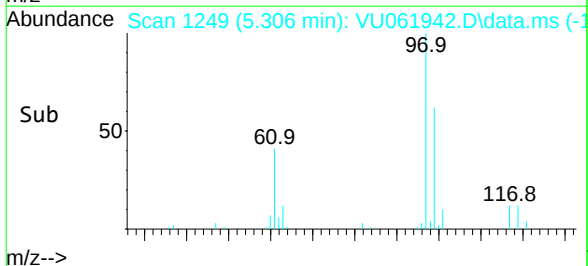
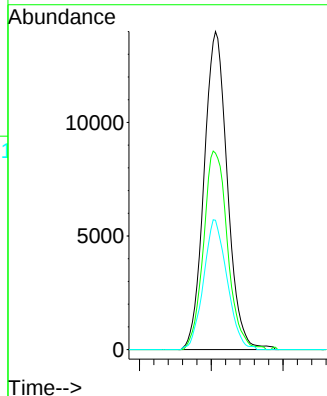
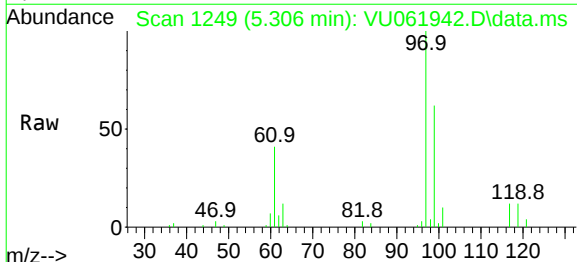
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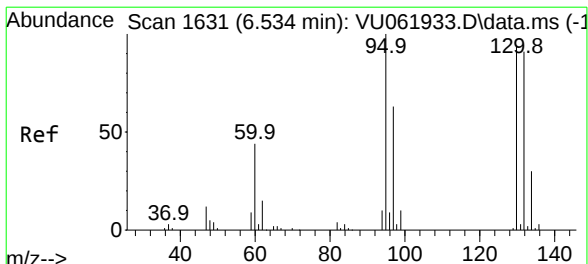
Tgt Ion: 62 Resp: 3941
 Ion Ratio Lower Upper
 62 100
 98 11.3 7.4 11.0#



#29
 1,1,1-Trichloroethane
 Concen: 2.090 ug/L
 RT: 5.306 min Scan# 1249
 Delta R.T. -0.000 min
 Lab File: VU061942.D
 Acq: 22 Nov 2024 02:04

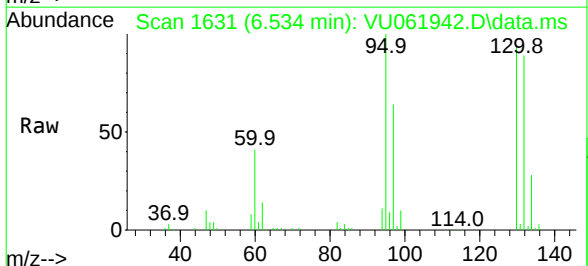
Tgt Ion: 97 Resp: 31601
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.4 77.2
 61 41.1 37.8 56.6





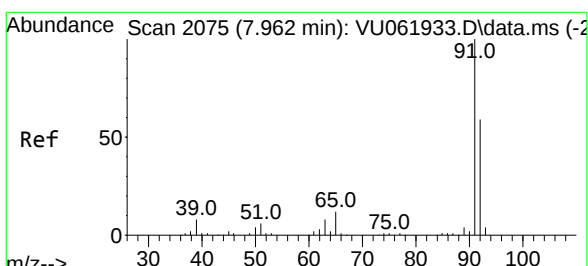
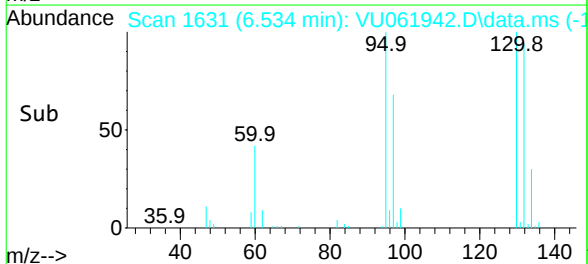
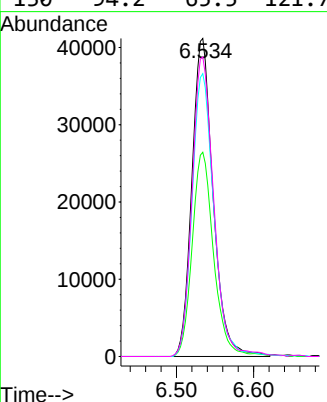
#34
 Trichloroethene
 Concen: 7.432 ug/L
 RT: 6.534 min Scan# 16
 Delta R.T. -0.000 min
 Lab File: VU061942.D
 Acq: 22 Nov 2024 02:04

Instrument :
 MSVOA_U
 ClientSampleId :
 BG411



Tgt Ion: 95 Resp: 78599

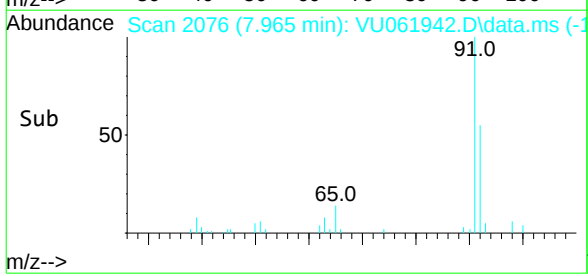
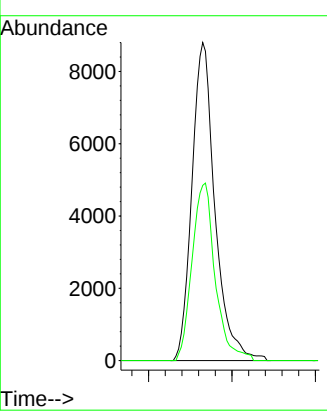
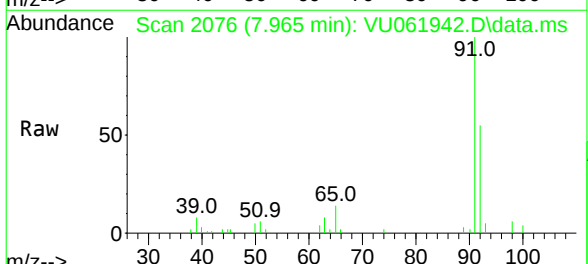
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.9	85.3
132	88.9	63.8	118.4
130	94.2	65.5	121.7

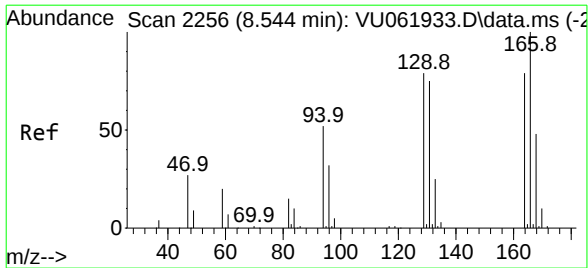


#42
 Toluene
 Concen: 0.406 ug/L
 RT: 7.965 min Scan# 2076
 Delta R.T. 0.003 min
 Lab File: VU061942.D
 Acq: 22 Nov 2024 02:04

Tgt Ion: 91 Resp: 16877

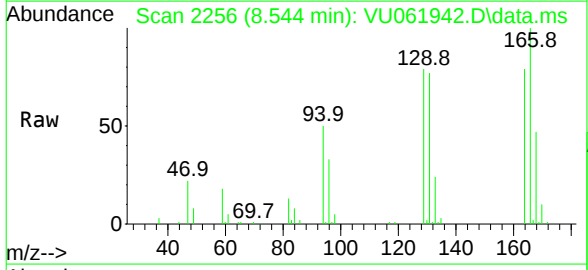
Ion	Ratio	Lower	Upper
91	100		
92	55.1	39.0	72.4



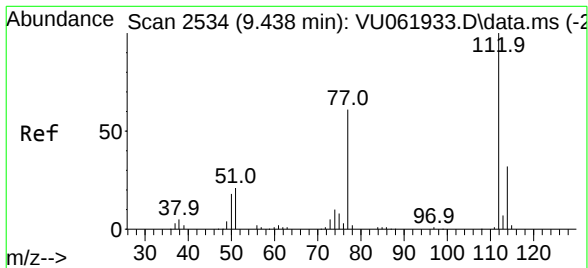
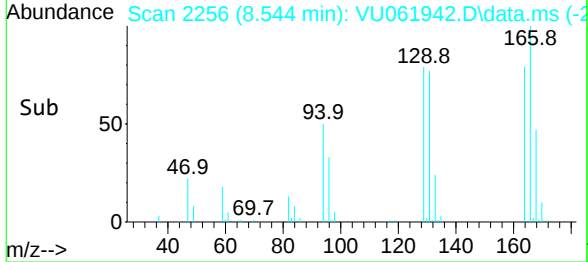
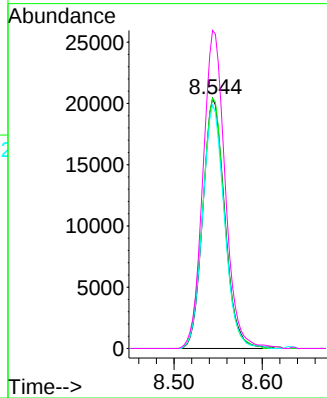


#47
Tetrachloroethene
Concen: 4.588 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

Instrument :
MSVOA_U
ClientSampleId :
BG411

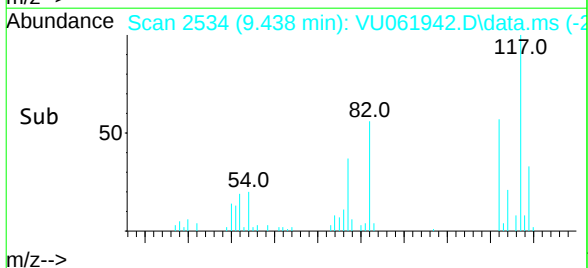
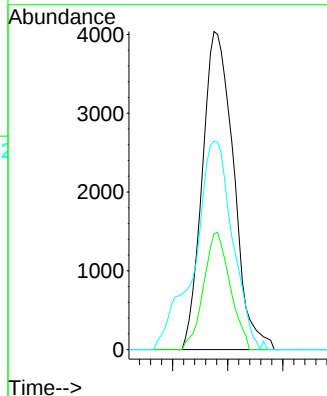
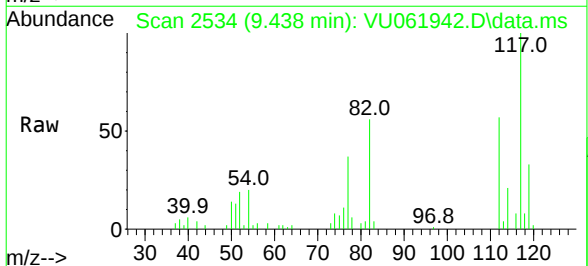


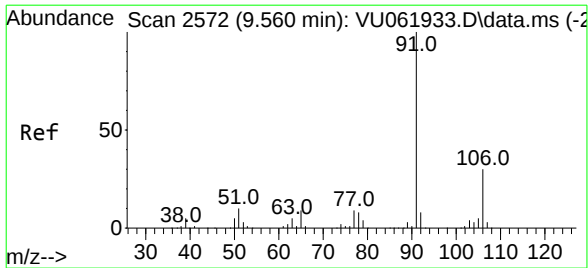
Tgt Ion:	164	Resp:	35286
Ion	Ratio	Lower	Upper
164	100		
129	99.9	73.2	136.0
131	97.3	72.3	134.3
166	127.1	90.2	167.4



#51
Chlorobenzene
Concen: 0.279 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

Tgt Ion:	112	Resp:	7941
Ion	Ratio	Lower	Upper
112	100		
114	36.4	23.0	42.6
77	65.6	50.5	75.7

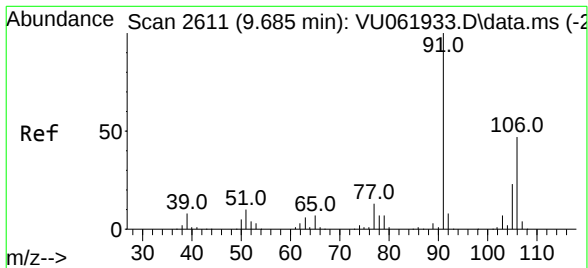
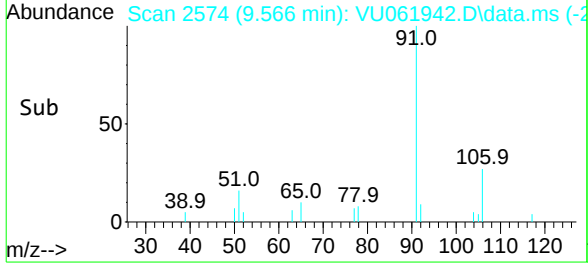
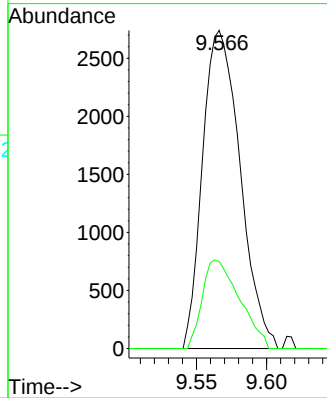
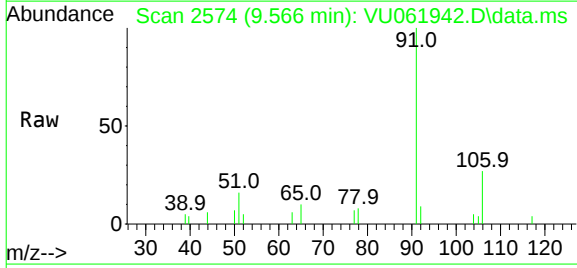




#52
Ethylbenzene
Concen: 0.103 ug/L
RT: 9.566 min Scan# 2572
Delta R.T. 0.006 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

Instrument :
MSVOA_U
ClientSampleId :
BG411

Tgt Ion: 91 Resp: 5110
Ion Ratio Lower Upper
91 100
106 27.4 21.6 40.0



#53
m,p-Xylene
Concen: 0.187 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU061942.D
Acq: 22 Nov 2024 02:04

Tgt Ion: 106 Resp: 3288
Ion Ratio Lower Upper
106 100
91 219.7 147.6 274.0

