

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111721\
 Data File : VU045849.D
 Acq On : 17 Nov 2021 18:52
 Operator : SY/MD
 Sample : M4664-03MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4649MS

Quant Time: Nov 18 02:22:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 02:11:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	68100	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	70167	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	37655	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	41268	7.649	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	153.000%#
7) Chloroethane-d5	1.916	69	29954	7.626	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	152.600%#
11) 1,1-Dichloroethene-d2	2.571	65	16758	7.405	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	148.200%#
20) 2-Butanone-d5	4.642	46	106828	73.883	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	147.760%#
24) Chloroform-d	5.070	84	65561	7.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	145.800%#
26) 1,2-Dichloroethane-d4	5.706	65	36753	6.968	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	139.400%#
32) Benzene-d6	5.729	84	133375	6.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	138.000%#
36) 1,2-Dichloropropane-d6	6.693	67	40657	6.676	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	133.600%
41) Toluene-d8	7.899	98	119584	6.841	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	136.800%#
43) trans-1,3-Dichloroprop...	8.182	79	16496	6.673	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	133.400%#
46) 2-Hexanone-d5	8.635	63	75991	68.293	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	136.580%#
56) 1,1,2,2-Tetrachloroeth...	10.758	84	36556	7.105	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	142.200%#
66) 1,2-Dichlorobenzene-d4	12.195	152	43069	6.661	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	133.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	26037	4.696	ug/L	100
3) Chloromethane	1.520	50	28335	4.822	ug/L	98
5) Vinyl chloride	1.607	62	153201	25.977	ug/L	100
6) Bromomethane	1.861	94	10688	3.056	ug/L	97
8) Chloroethane	1.938	64	20120	5.983	ug/L	100
9) Trichlorofluoromethane	2.144	101	37079	4.870	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	21661	4.852	ug/L	98
12) 1,1-Dichloroethene	2.584	96	20984	4.978	ug/L	93
13) Acetone	2.668	43	48535	57.030	ug/L	94
14) Carbon disulfide	2.796	76	65101	4.883	ug/L	100
15) Methyl Acetate	2.964	43	10299	4.932	ug/L	96
16) Methylene chloride	3.051	84	24465	3.931	ug/L	99
17) Methyl tert-butyl Ether	3.369	73	204010	18.589	ug/L	100
18) trans-1,2-Dichloroethene	3.359	96	37730	8.349	ug/L	98
19) 1,1-Dichloroethane	3.877	63	51600	6.095	ug/L	100
21) 2-Butanone	4.722	43	77031	53.796	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	36811	7.513	ug/L	97
23) Bromochloromethane	4.980	128	11712	5.484	ug/L	97
25) Chloroform	5.092	83	44928	4.892	ug/L	96

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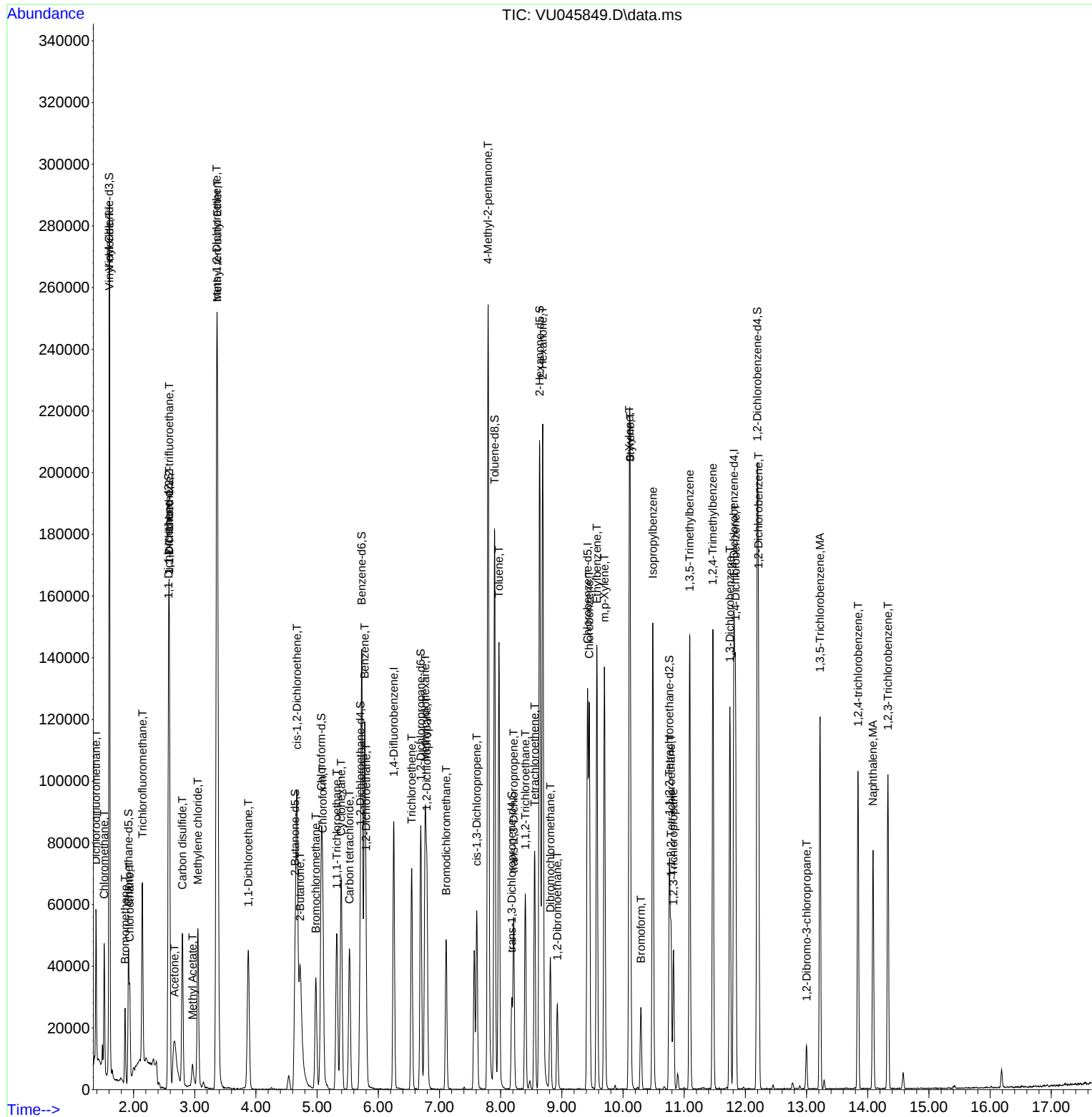
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	30082	5.133	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	37116	4.869	ug/L	99
30) Cyclohexane	5.391	56	32743	4.330	ug/L	99
31) Carbon tetrachloride	5.529	117	31452	4.906	ug/L	99
33) Benzene	5.777	78	102889	5.255	ug/L	100
34) Trichloroethene	6.546	95	24998	4.954	ug/L	96
35) Methylcyclohexane	6.767	83	33912	4.376	ug/L	97
37) 1,2-Dichloropropane	6.793	63	25695	4.987	ug/L	99
38) Bromodichloromethane	7.108	83	32193	5.063	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	35085	4.792	ug/L	96
40) 4-Methyl-2-pentanone	7.793	43	173475	51.327	ug/L	100
42) Toluene	7.973	91	103707	5.131	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	31137	4.888	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	19370	5.064	ug/L	99
47) Tetrachloroethene	8.555	164	16966	4.803	ug/L	94
48) 2-Hexanone	8.687	43	136601	55.946	ug/L	100
49) Dibromochloromethane	8.812	129	21565	4.949	ug/L	97
50) 1,2-Dibromoethane	8.925	107	18221	5.056	ug/L	97
51) Chlorobenzene	9.449	112	64589	5.094	ug/L	99
52) Ethylbenzene	9.574	91	102468	4.843	ug/L	100
53) m,p-Xylene	9.697	106	39882	4.921	ug/L	97
54) o-Xylene	10.102	106	38968	4.983	ug/L	96
55) Styrene	10.118	104	69176	5.255	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	25537	5.212	ug/L	94
59) Bromoform	10.291	173	11353	4.552	ug/L	95
60) Isopropylbenzene	10.488	105	102300	4.628	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	18888	4.832	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	81396	4.503	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	82056	4.531	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	49531	4.803	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	50663	4.836	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	48193	4.874	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	3762	4.626	ug/L	92
69) 1,3,5-Trichlorobenzene	13.220	180	35021	4.540	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	29994	4.595	ug/L	98
71) Naphthalene	14.085	128	60217	4.490	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	30169	4.644	ug/L	97

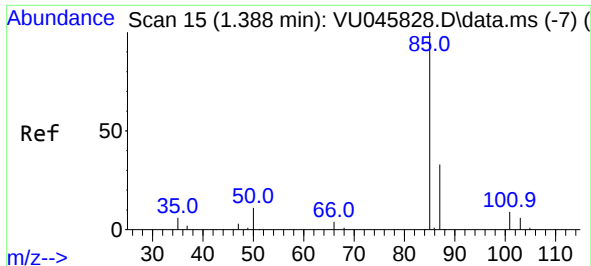
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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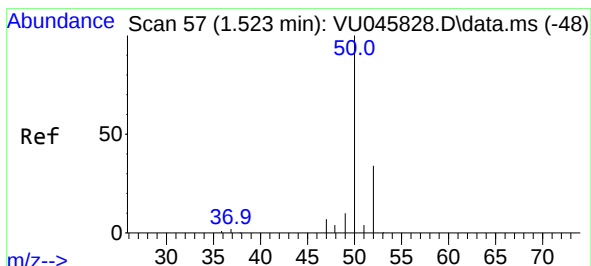
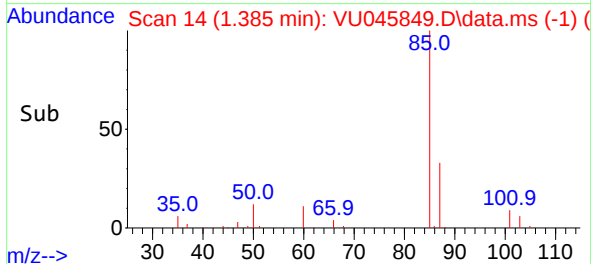
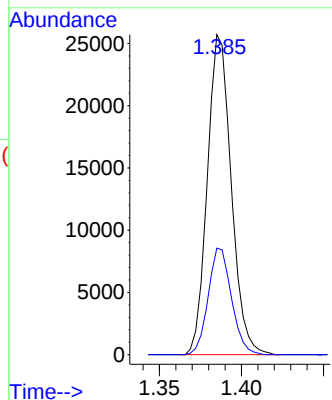
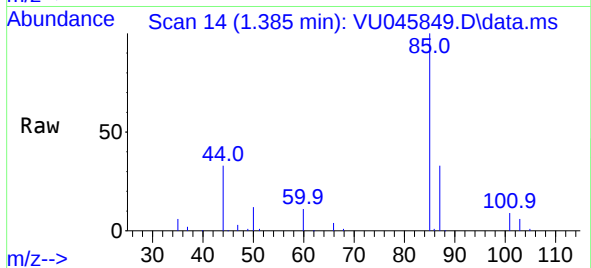




#2
Dichlorodifluoromethane
Concen: 4.696 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

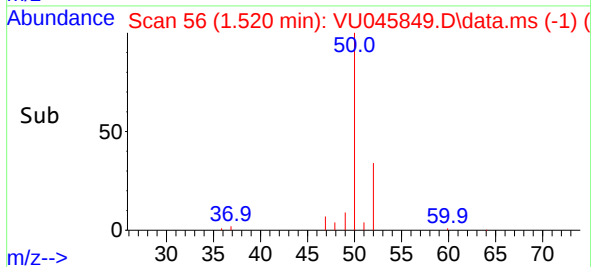
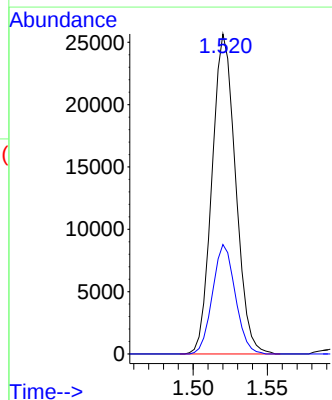
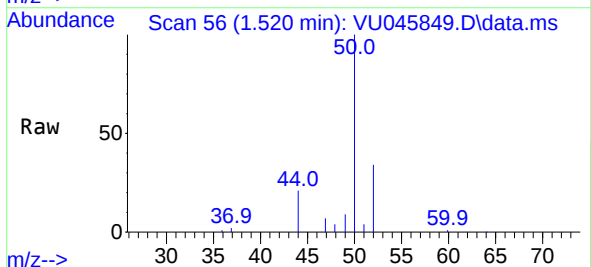
Instrument :
MSVOA_U
ClientSampleId :
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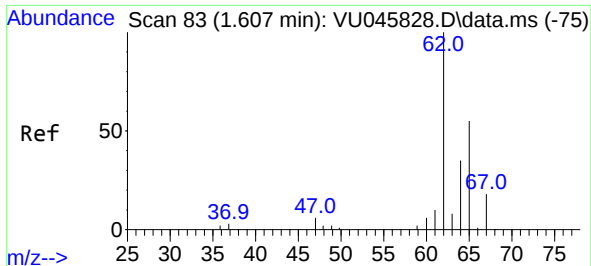
Tgt Ion: 85 Resp: 26037
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.6



#3
Chloromethane
Concen: 4.822 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 50 Resp: 28335
Ion Ratio Lower Upper
50 100
52 34.2 23.0 42.8

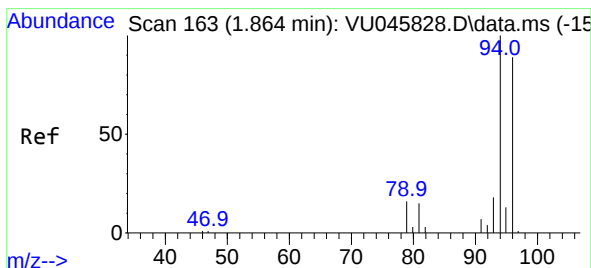
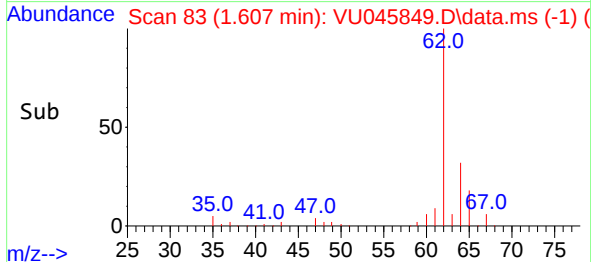
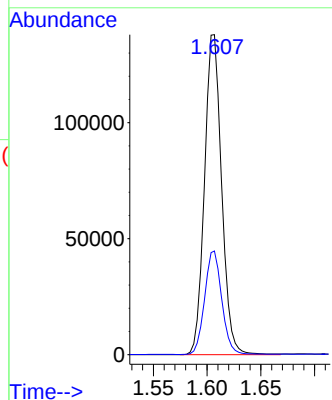
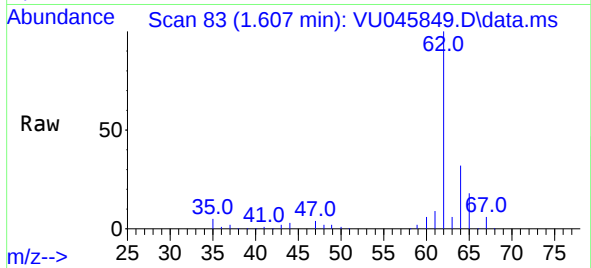




#5
 Vinyl chloride
 Concen: 25.977 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU045849.D
 Acq: 17 Nov 2021 18:52

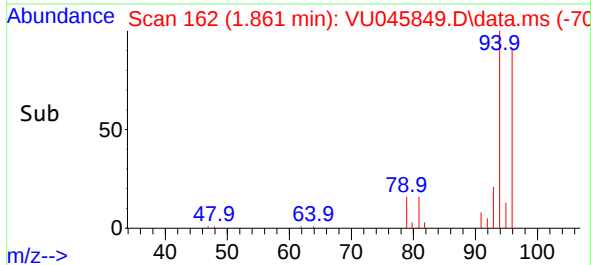
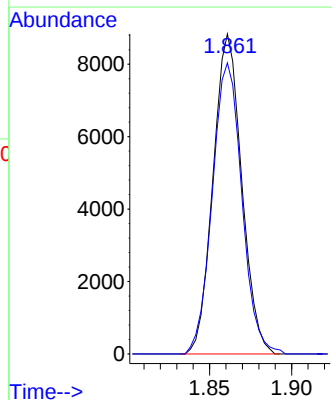
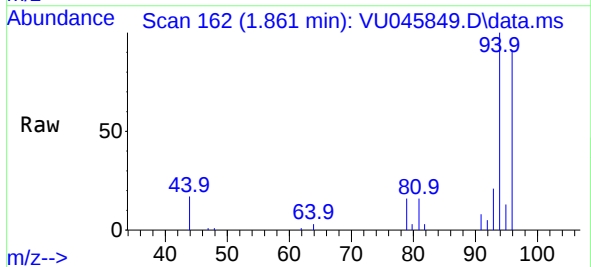
Instrument :
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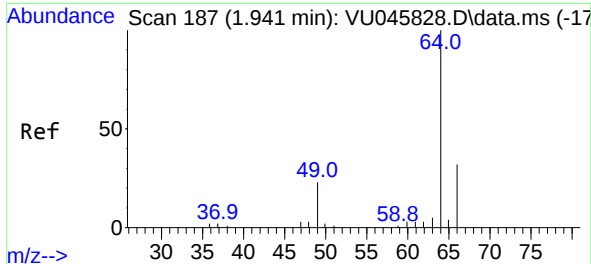
Tgt Ion: 62 Resp: 153201
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.9 42.5



#6
 Bromomethane
 Concen: 3.056 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU045849.D
 Acq: 17 Nov 2021 18:52

Tgt Ion: 94 Resp: 10688
 Ion Ratio Lower Upper
 94 100
 96 90.9 65.5 121.6

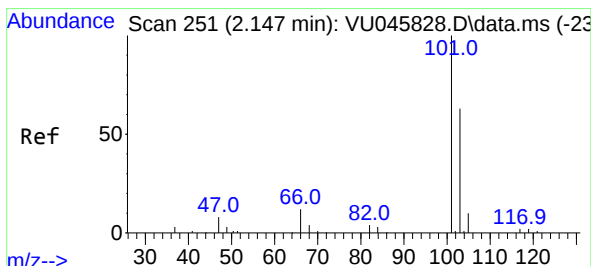
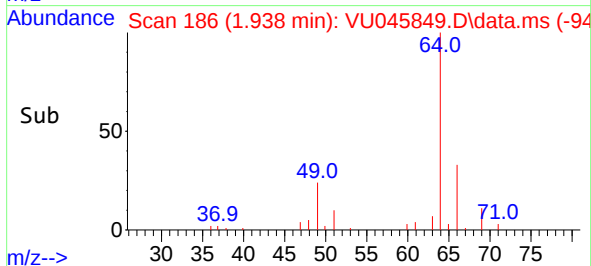
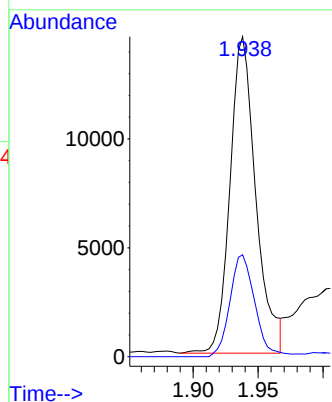
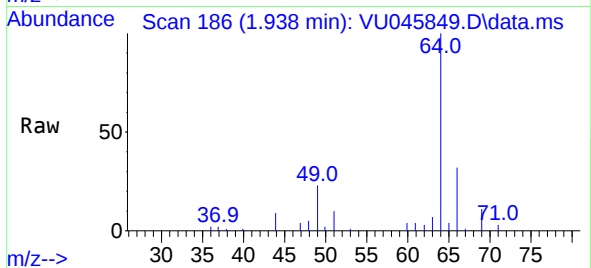




#8
Chloroethane
Concen: 5.983 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU045849.D
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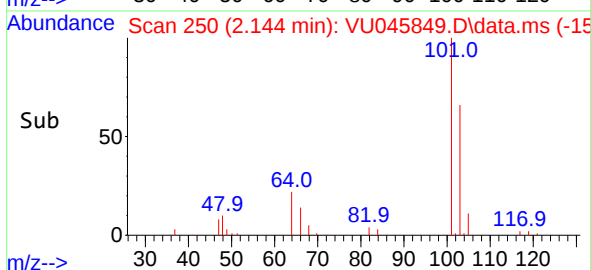
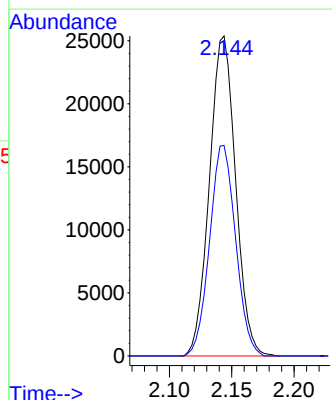
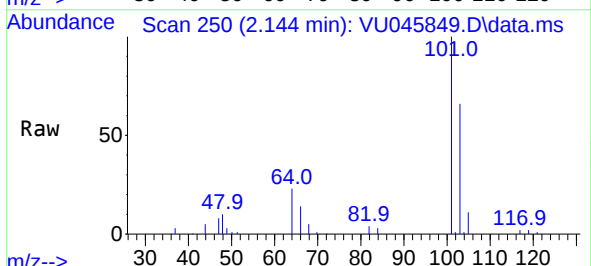
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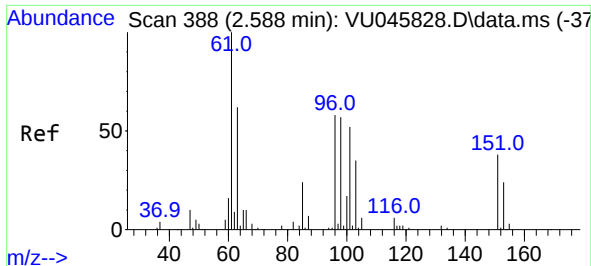
Tgt Ion: 64 Resp: 20120
Ion Ratio Lower Upper
64 100
66 31.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.870 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion:101 Resp: 37079
Ion Ratio Lower Upper
101 100
103 65.5 51.5 77.3

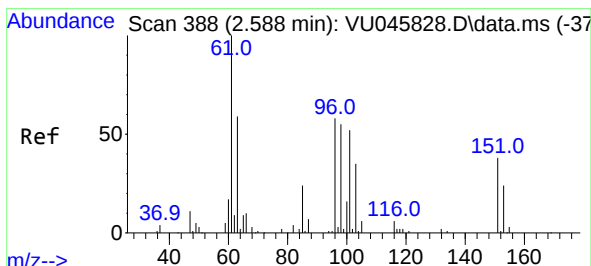
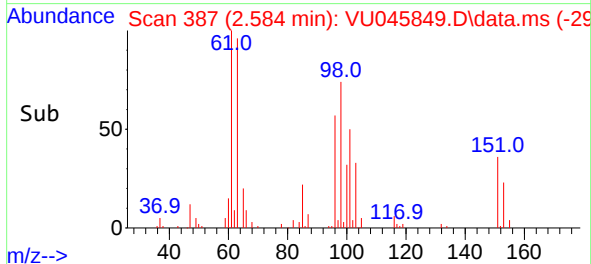
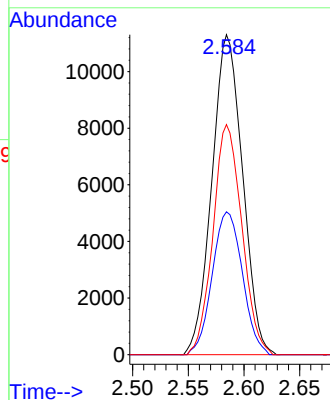
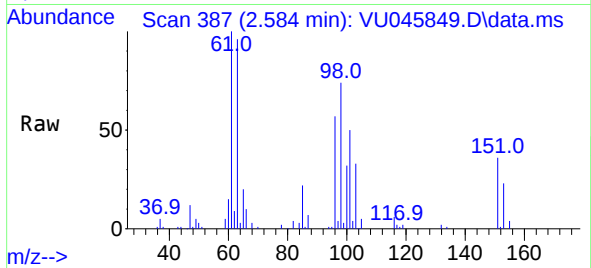




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.852 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU045849.D
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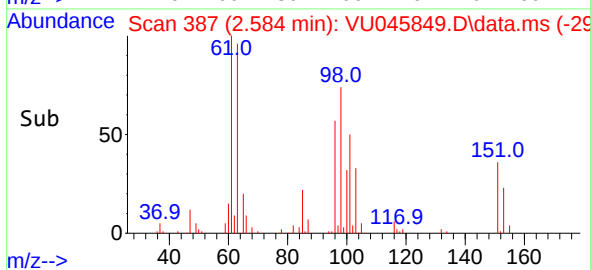
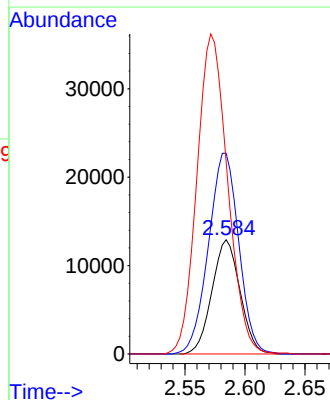
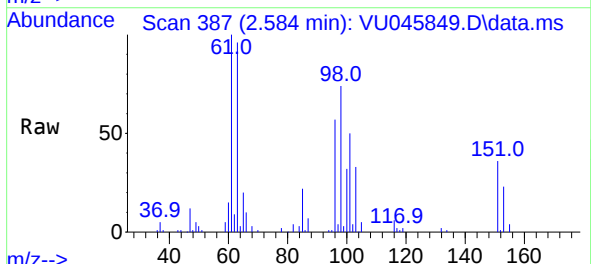
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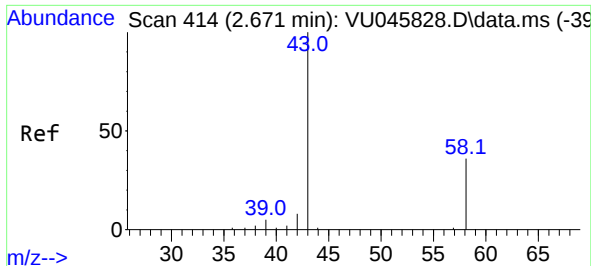
Tgt Ion:101 Resp: 21661
Ion Ratio Lower Upper
101 100
85 43.9 34.6 51.8
151 67.7 56.1 84.1



#12
1,1-Dichloroethene
Concen: 4.978 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 96 Resp: 20984
Ion Ratio Lower Upper
96 100
61 175.9 124.7 231.5
63 168.6 105.2 195.4

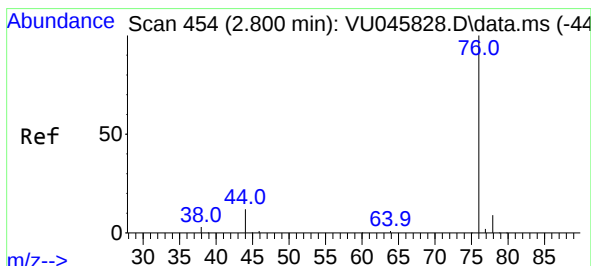
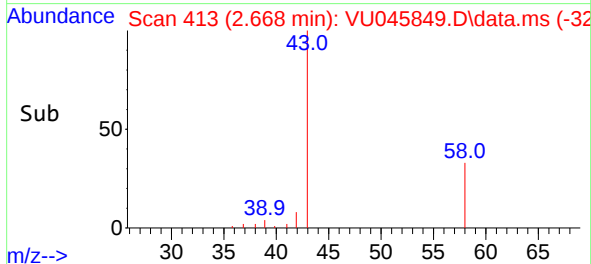
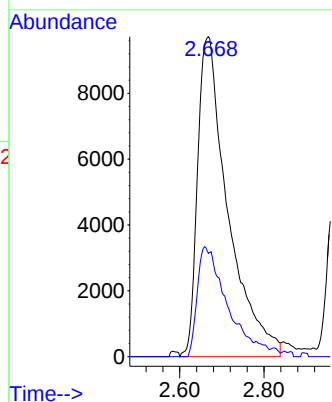
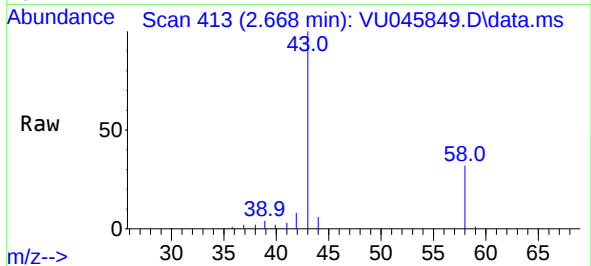




#13
Acetone
Concen: 57.030 ug/L
RT: 2.668 min Scan# 413
Delta R.T. -0.003 min
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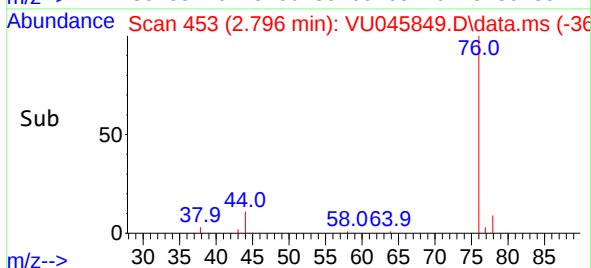
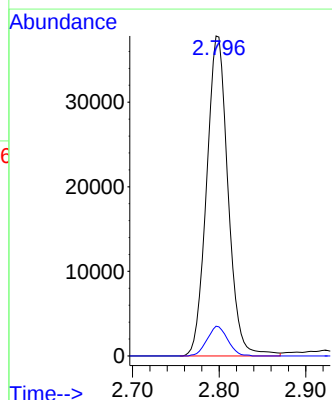
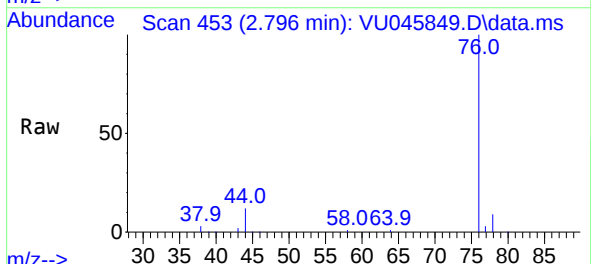
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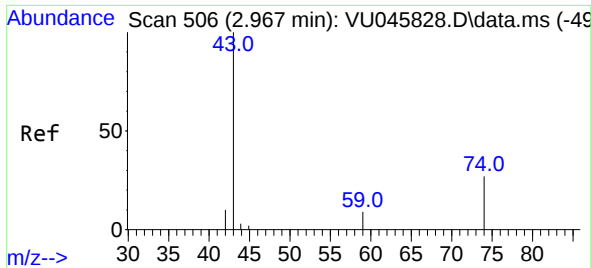
Tgt Ion: 43 Resp: 48535
Ion Ratio Lower Upper
43 100
58 32.4 0.0 71.6



#14
Carbon disulfide
Concen: 4.883 ug/L
RT: 2.796 min Scan# 453
Delta R.T. -0.003 min
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Tgt Ion: 76 Resp: 65101
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

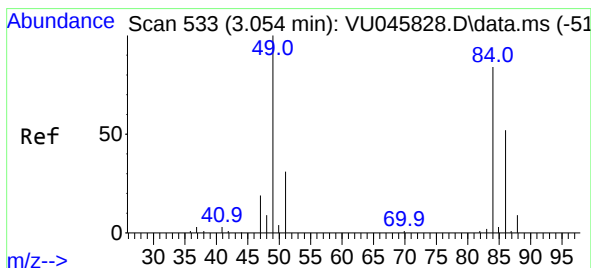
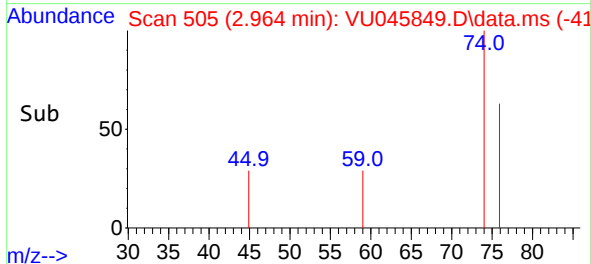
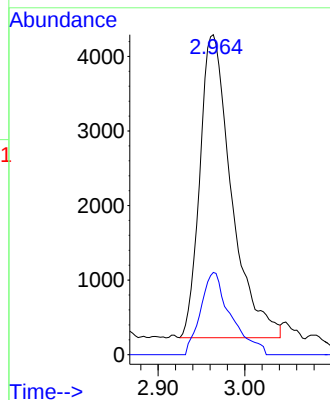
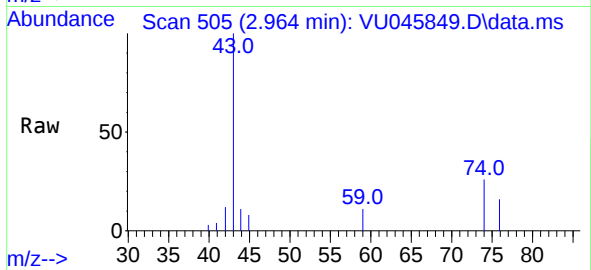




#15
Methyl Acetate
Concen: 4.932 ug/L
RT: 2.964 min Scan# 506
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

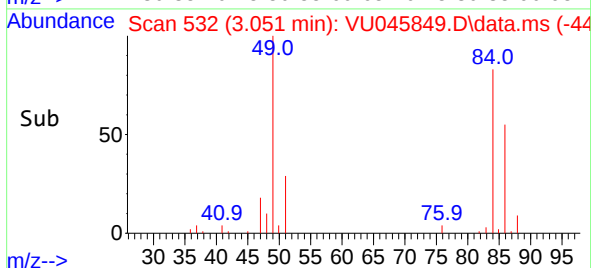
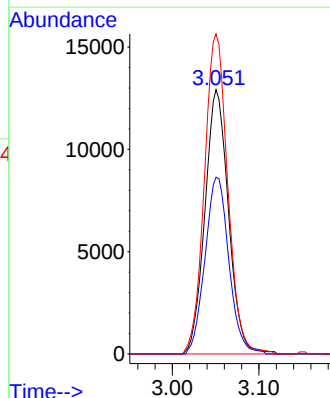
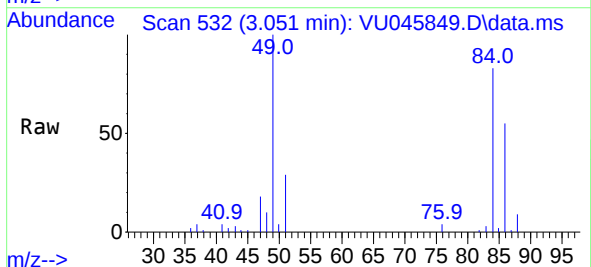
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

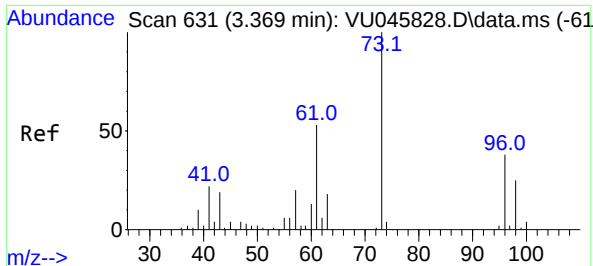
Tgt Ion: 43 Resp: 10299
Ion Ratio Lower Upper
43 100
74 26.0 19.1 28.7



#16
Methylene chloride
Concen: 3.931 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 84 Resp: 24465
Ion Ratio Lower Upper
84 100
86 66.9 45.8 85.0
49 121.1 84.5 156.9

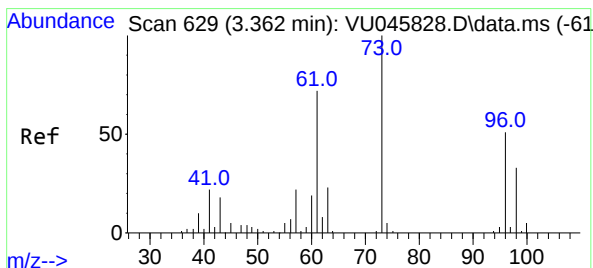
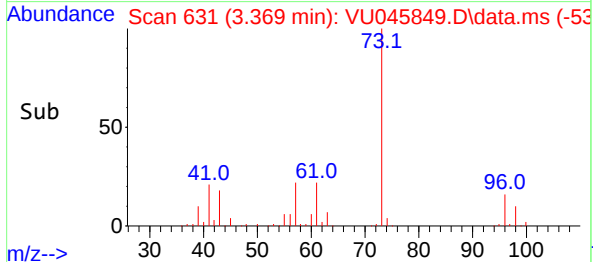
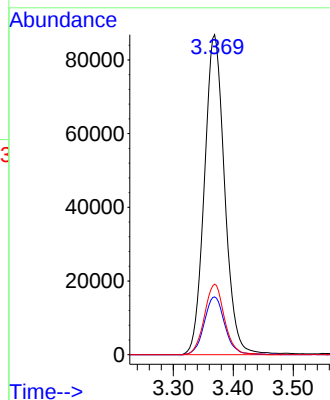
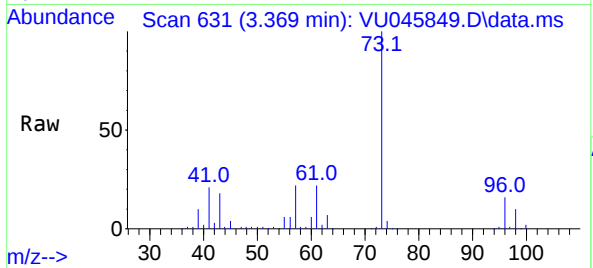




#17
Methyl tert-butyl Ether
Concen: 18.589 ug/L
RT: 3.369 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

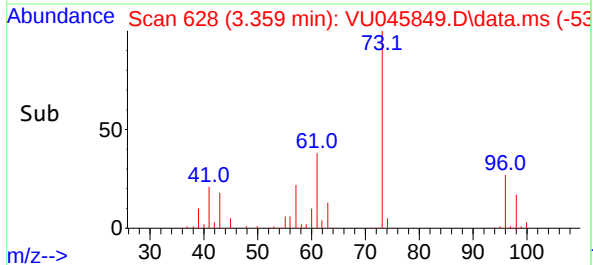
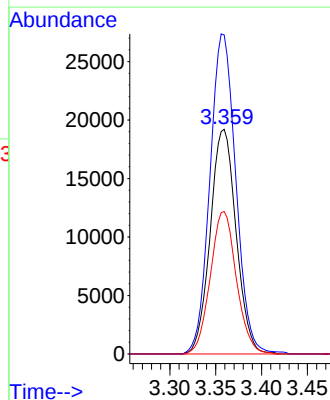
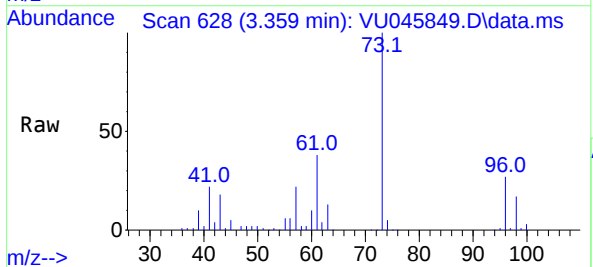
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

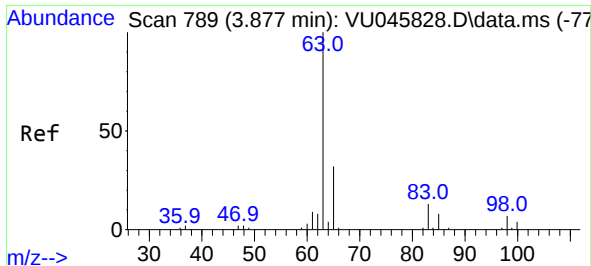
Tgt Ion: 73 Resp: 204010
Ion Ratio Lower Upper
73 100
43 18.4 14.8 22.2
57 21.9 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 8.349 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 96 Resp: 37730
Ion Ratio Lower Upper
96 100
61 142.0 100.8 187.2
98 63.4 45.1 83.7

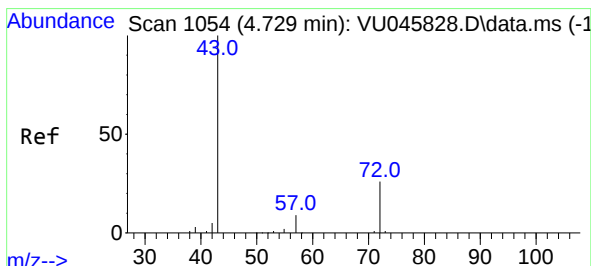
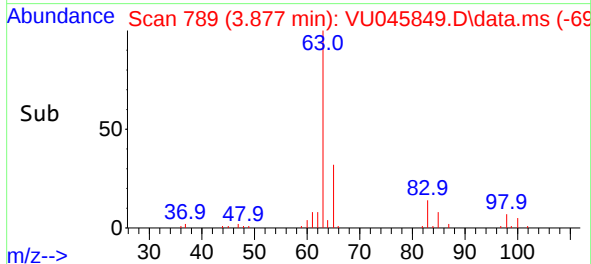
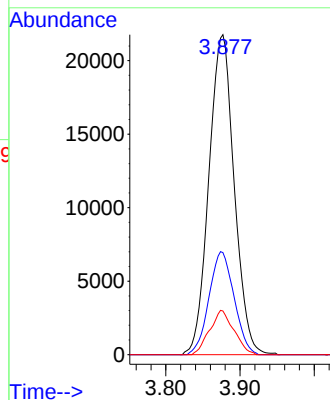
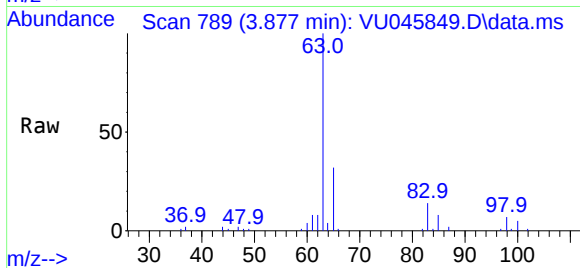




#19
1,1-Dichloroethane
Concen: 6.095 ug/L
RT: 3.877 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

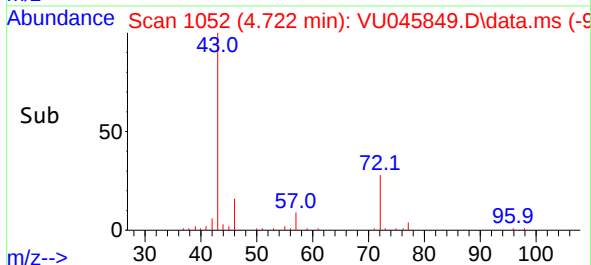
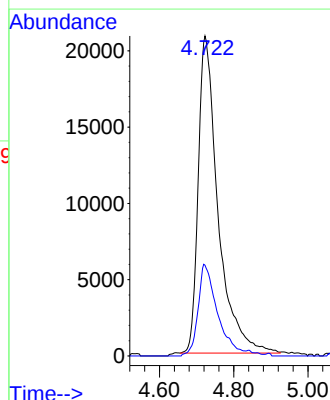
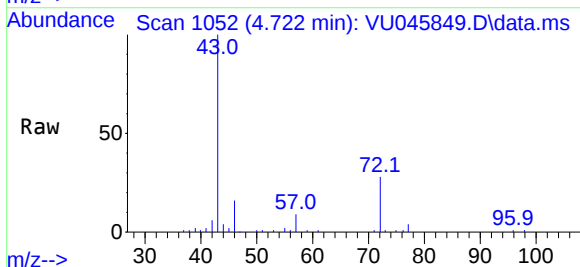
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

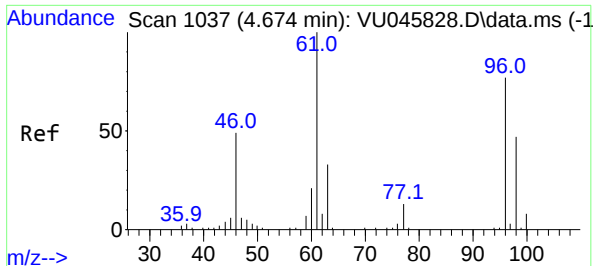
Tgt Ion:	63	Resp:	51600
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.3	41.5
83	13.6	9.6	17.8



#21
2-Butanone
Concen: 53.796 ug/L
RT: 4.722 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion:	43	Resp:	77031
Ion	Ratio	Lower	Upper
43	100		
72	28.2	14.1	42.3



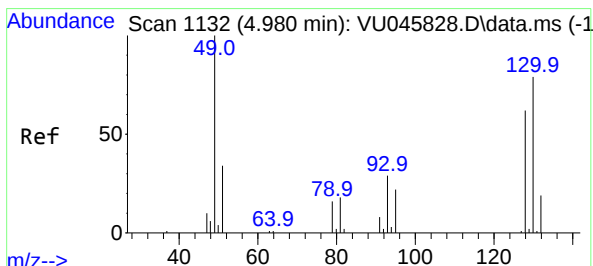
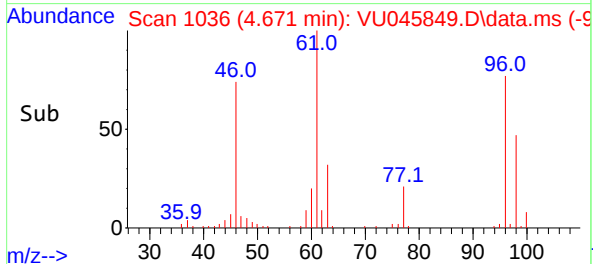
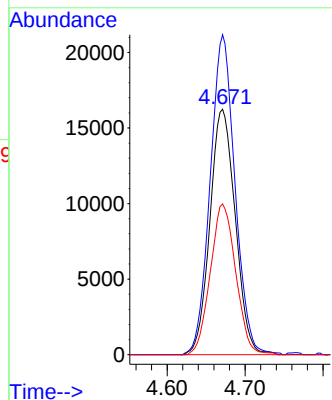
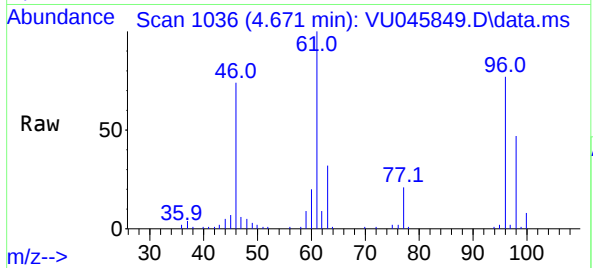


#22
 cis-1,2-Dichloroethene
 Concen: 7.513 ug/L
 RT: 4.671 min Scan# 1037
 Delta R.T. -0.003 min
 Lab File: VU045849.D
 Acq: 17 Nov 2021 18:52

Instrument :
 MSVOA_U
 ClientSampleId :
 H4649MS

Tgt Ion: 96 Resp: 36811

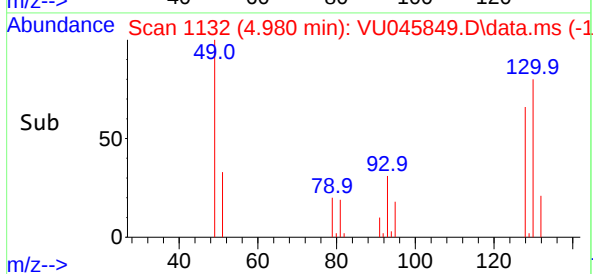
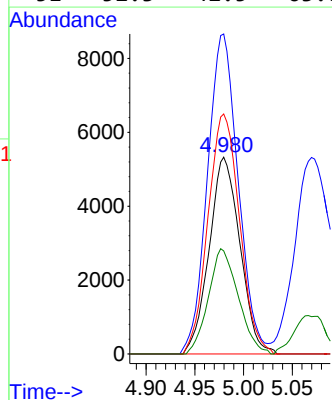
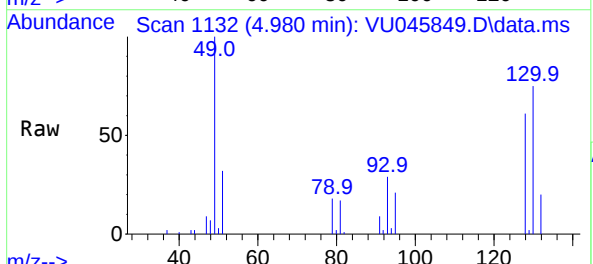
Ion	Ratio	Lower	Upper
96	100		
61	130.4	88.5	164.3
98	61.4	44.4	82.5

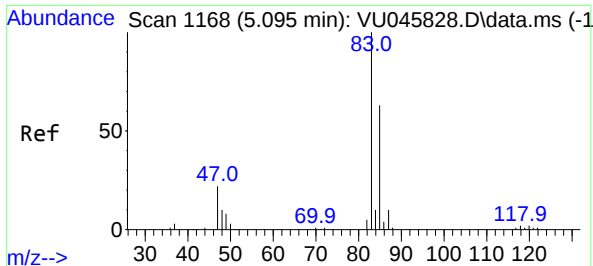


#23
 Bromochloromethane
 Concen: 5.484 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. -0.000 min
 Lab File: VU045849.D
 Acq: 17 Nov 2021 18:52

Tgt Ion: 128 Resp: 11712

Ion	Ratio	Lower	Upper
128	100		
49	162.6	117.0	217.2
130	122.0	88.2	163.8
51	52.3	42.5	63.7

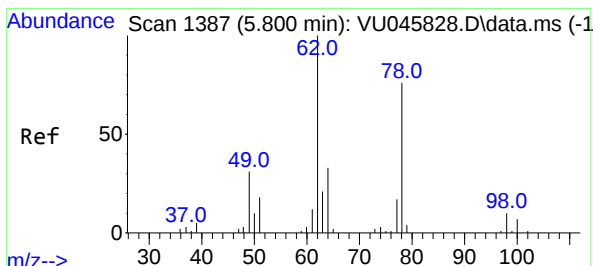
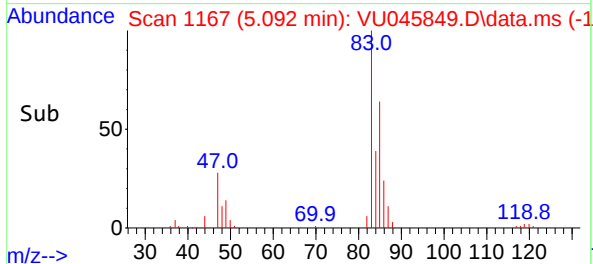
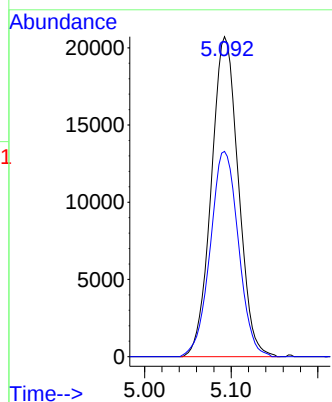
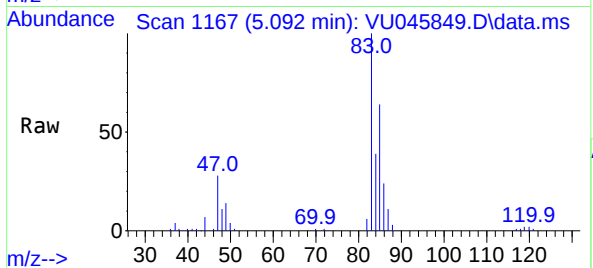




#25
Chloroform
Concen: 4.892 ug/L
RT: 5.092 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

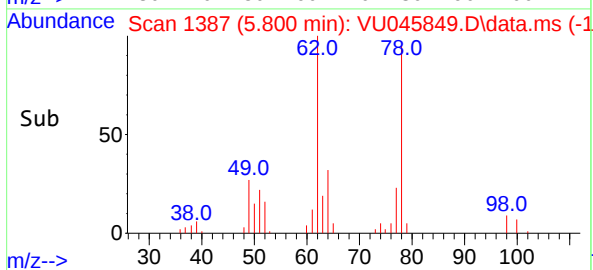
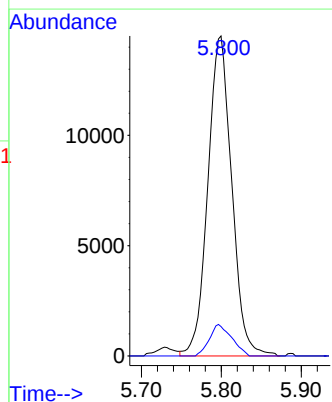
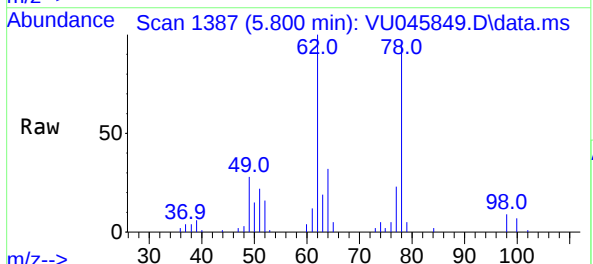
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

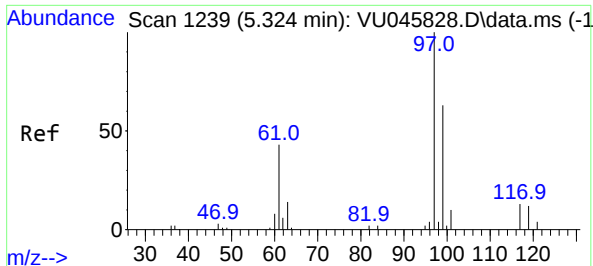
Tgt Ion: 83 Resp: 44928
Ion Ratio Lower Upper
83 100
85 64.2 46.9 87.1



#27
1,2-Dichloroethane
Concen: 5.133 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 62 Resp: 30082
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.8

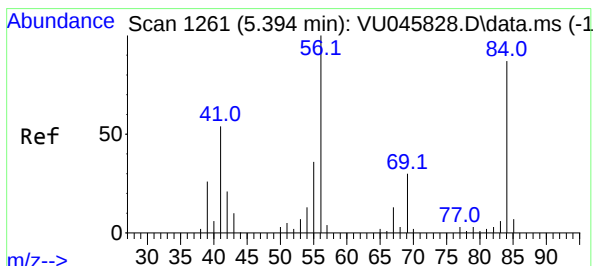
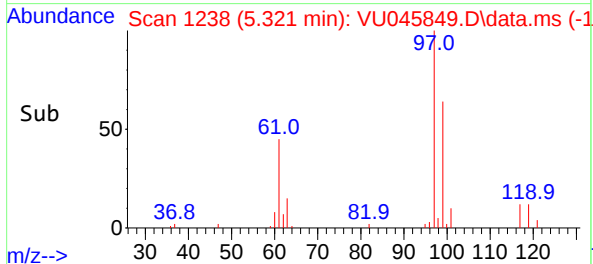
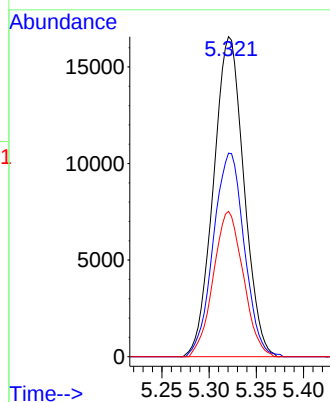
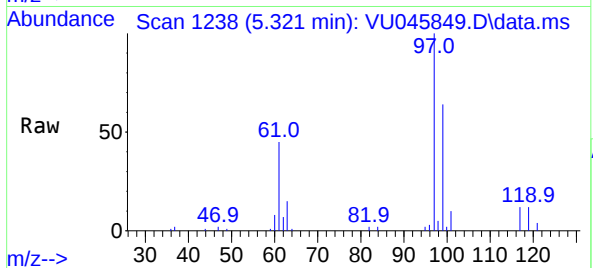




#29
1,1,1-Trichloroethane
Concen: 4.869 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

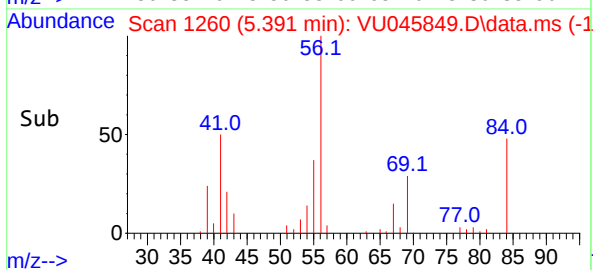
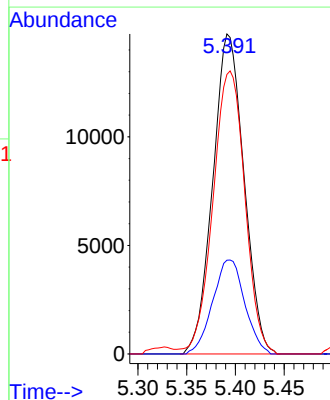
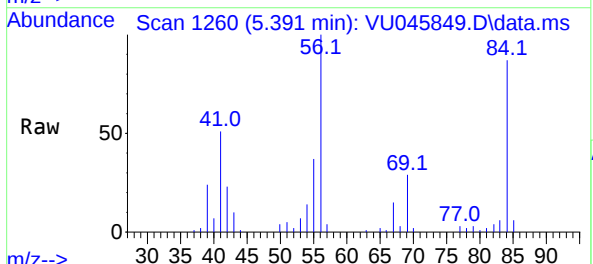
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

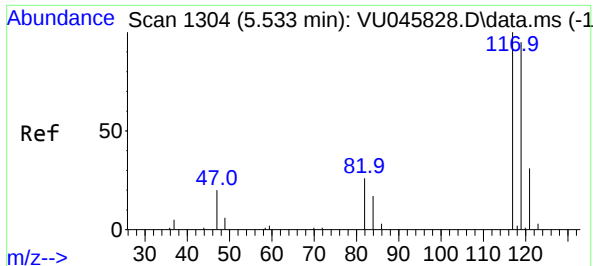
Tgt Ion: 97 Resp: 37116
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 44.7 36.1 54.1



#30
Cyclohexane
Concen: 4.330 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 56 Resp: 32743
Ion Ratio Lower Upper
56 100
69 30.3 24.7 37.1
84 90.7 71.8 107.6

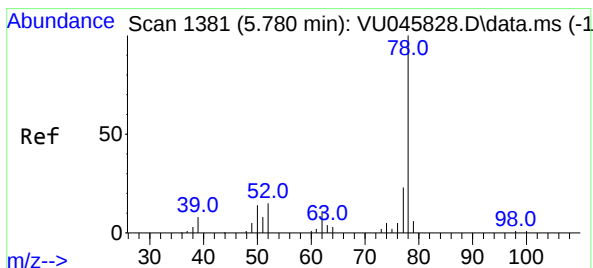
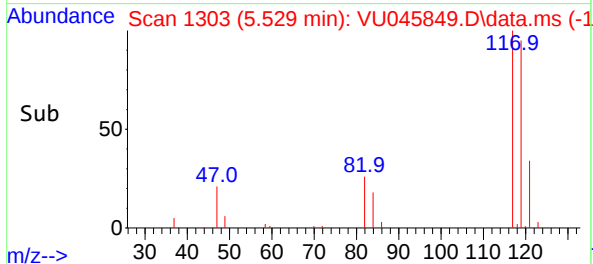
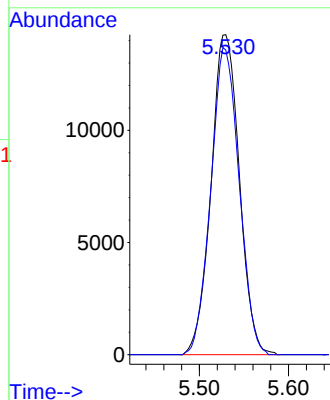
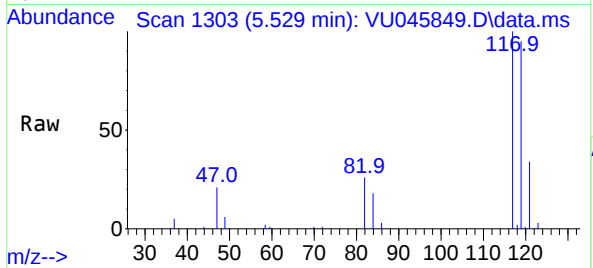




#31
Carbon tetrachloride
Concen: 4.906 ug/L
RT: 5.529 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

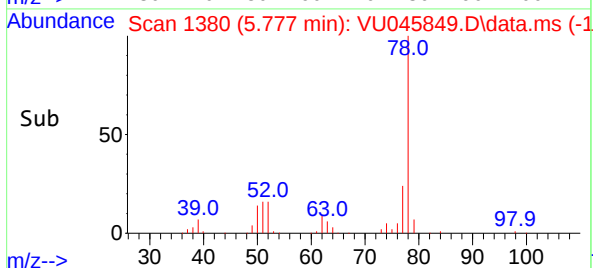
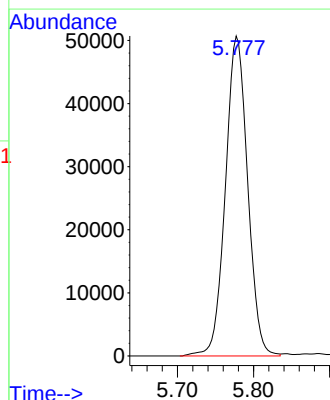
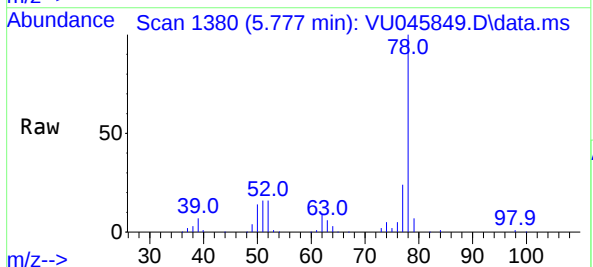
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

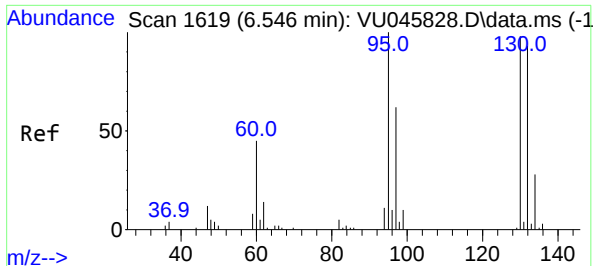
Tgt Ion:117 Resp: 31452
Ion Ratio Lower Upper
117 100
119 96.0 77.5 116.3



#33
Benzene
Concen: 5.255 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 78 Resp: 102889



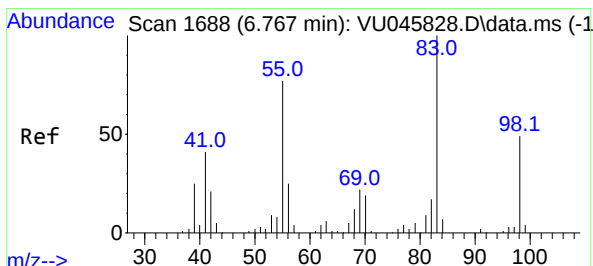
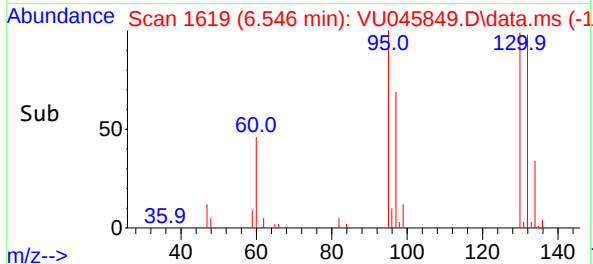
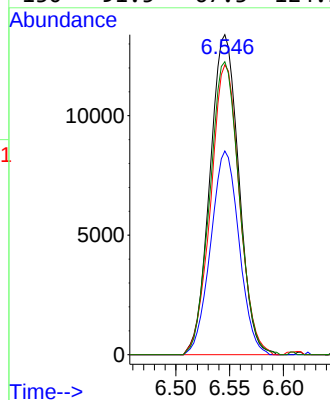
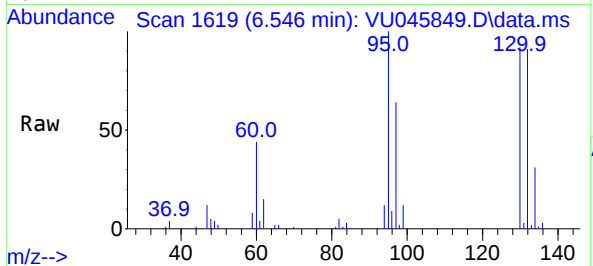


#34
Trichloroethene
Concen: 4.954 ug/L
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Instrument :
MSVOA_U
ClientSampleId :
H4649MS

Tgt Ion: 95 Resp: 24998

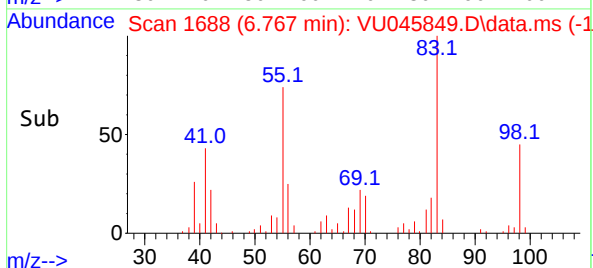
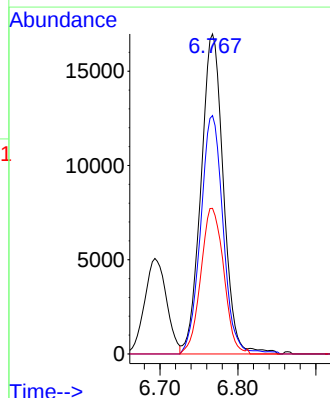
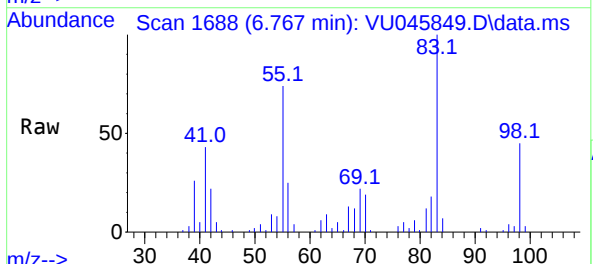
Ion	Ratio	Lower	Upper
95	100		
97	63.6	46.5	86.5
132	90.5	65.1	120.9
130	91.5	67.3	124.9

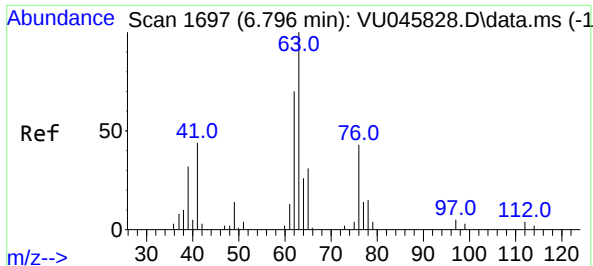


#35
Methylcyclohexane
Concen: 4.376 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 83 Resp: 33912

Ion	Ratio	Lower	Upper
83	100		
55	74.9	61.9	92.9
98	46.5	39.0	58.6

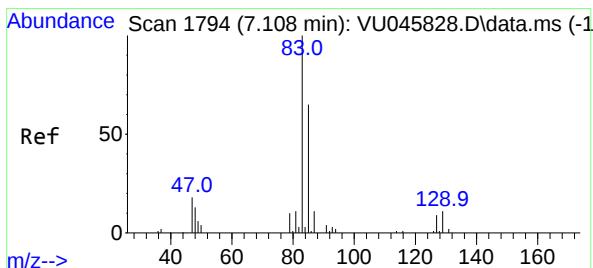
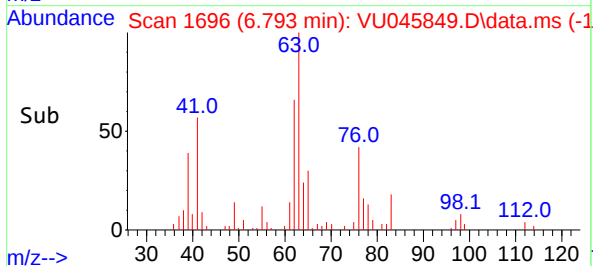
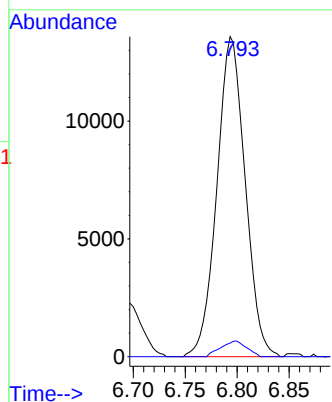
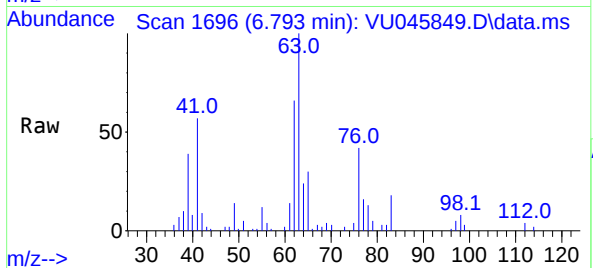




#37
1,2-Dichloropropane
Concen: 4.987 ug/L
RT: 6.793 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

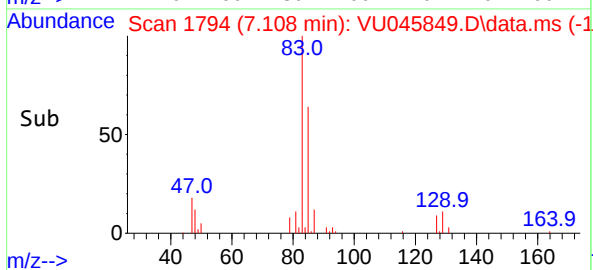
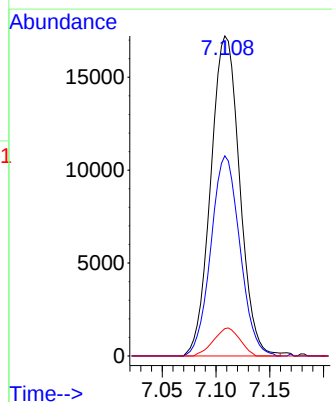
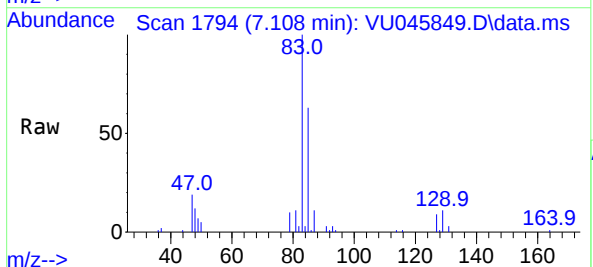
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

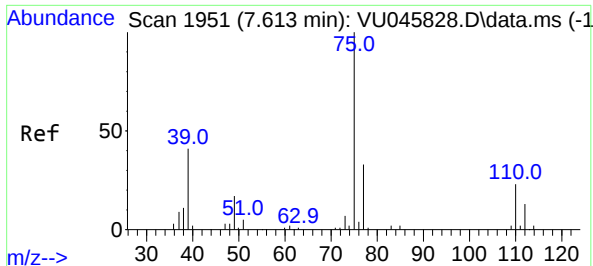
Tgt Ion: 63 Resp: 25695
Ion Ratio Lower Upper
63 100
112 4.4 3.2 4.8



#38
Bromodichloromethane
Concen: 5.063 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 83 Resp: 32193
Ion Ratio Lower Upper
83 100
85 62.6 44.0 81.8
127 8.5 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.792 ug/L

RT: 7.610 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VU045849.D

Acq: 17 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

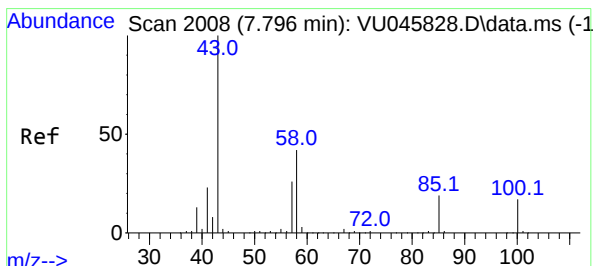
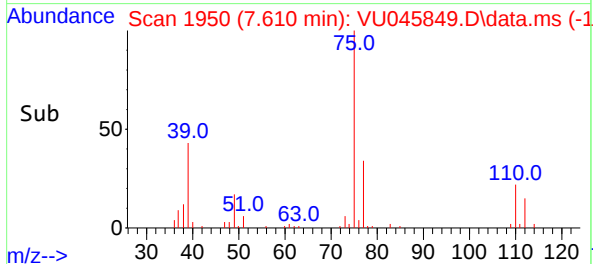
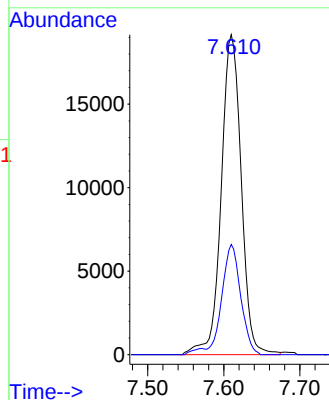
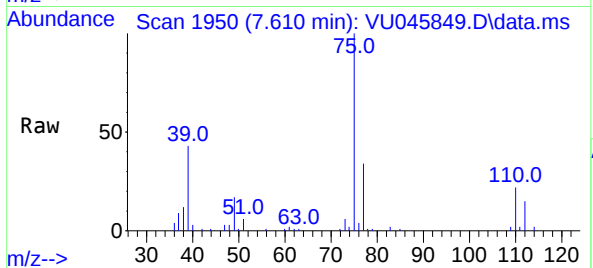
H4649MS

Tgt Ion: 75 Resp: 35085

Ion Ratio Lower Upper

75 100

77 34.5 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 51.327 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU045849.D

Acq: 17 Nov 2021 18:52

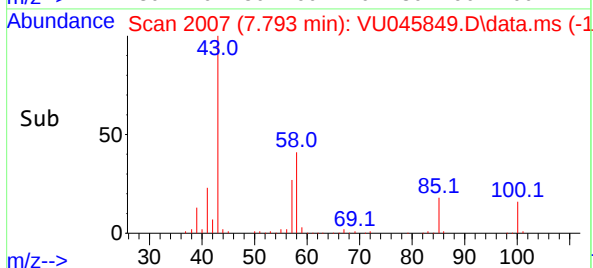
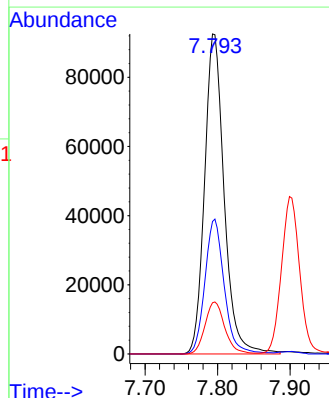
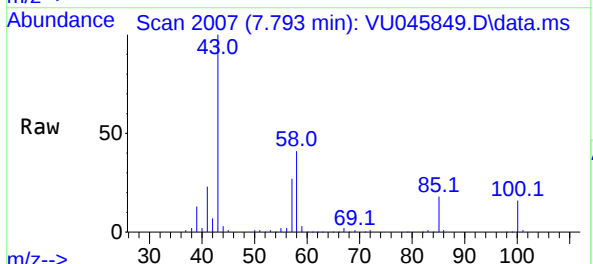
Tgt Ion: 43 Resp: 173475

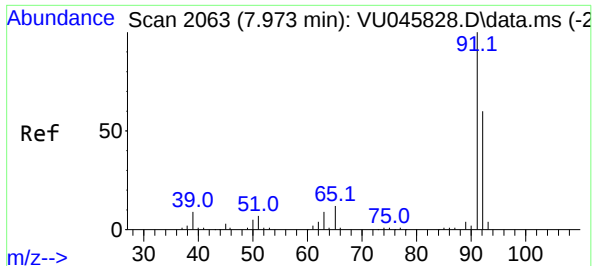
Ion Ratio Lower Upper

43 100

58 41.7 33.1 49.7

100 16.5 13.2 19.8





#42

Toluene

Concen: 5.131 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU045849.D

Acq: 17 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

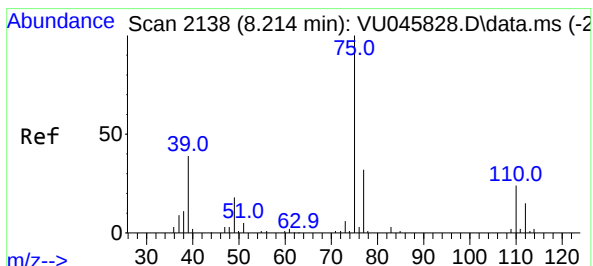
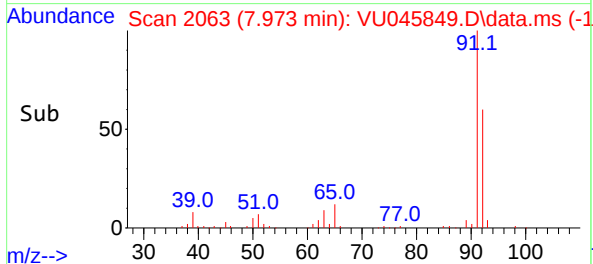
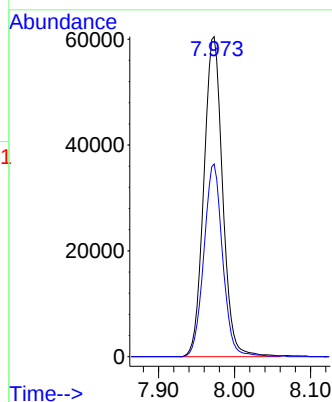
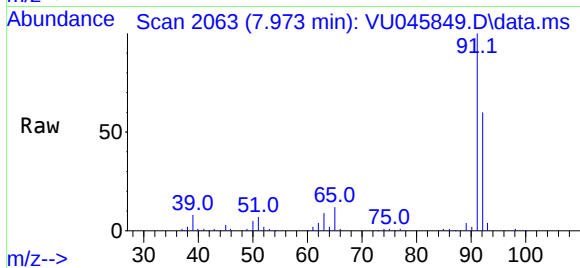
H4649MS

Tgt Ion: 91 Resp: 103707

Ion Ratio Lower Upper

91 100

92 60.2 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.888 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU045849.D

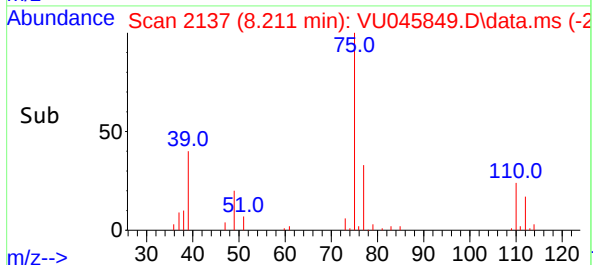
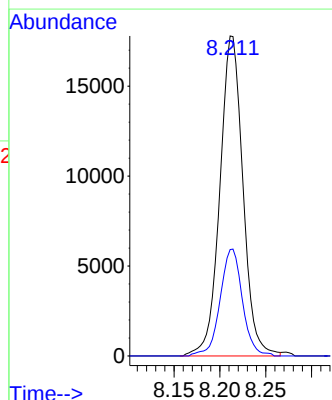
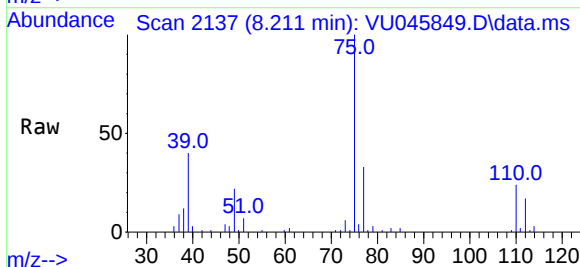
Acq: 17 Nov 2021 18:52

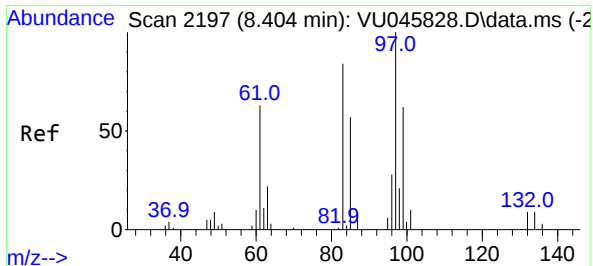
Tgt Ion: 75 Resp: 31137

Ion Ratio Lower Upper

75 100

77 33.3 22.7 42.3



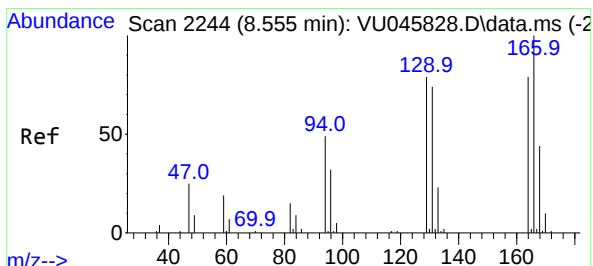
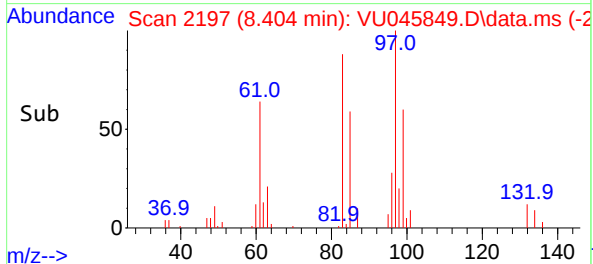
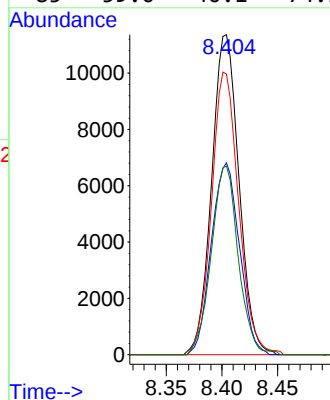
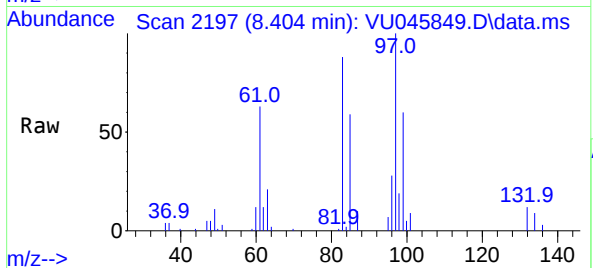


#45
1,1,2-Trichloroethane
Concen: 5.064 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Instrument :
MSVOA_U
ClientSampleId :
H4649MS

Tgt Ion: 97 Resp: 19370

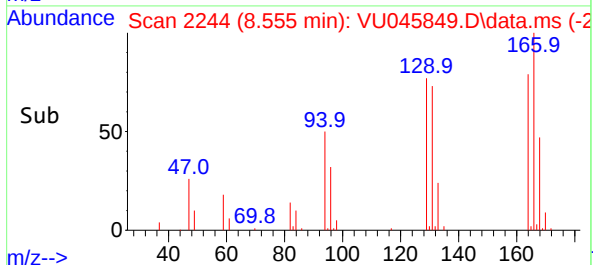
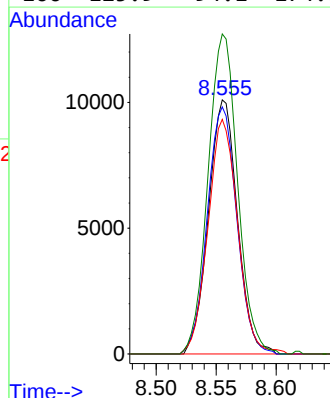
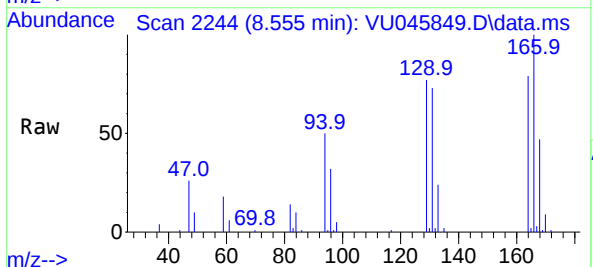
Ion	Ratio	Lower	Upper
97	100		
99	59.9	42.3	78.5
83	87.7	62.0	115.2
85	59.0	40.1	74.5

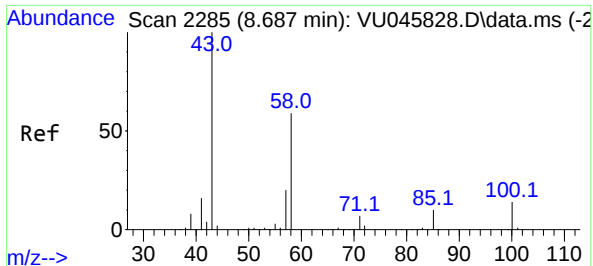


#47
Tetrachloroethene
Concen: 4.803 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 164 Resp: 16966

Ion	Ratio	Lower	Upper
164	100		
129	97.2	71.8	133.4
131	92.3	68.5	127.3
166	125.9	94.1	174.8

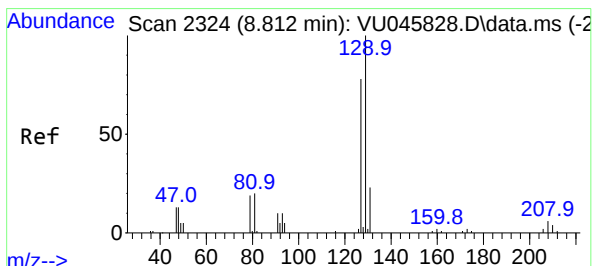
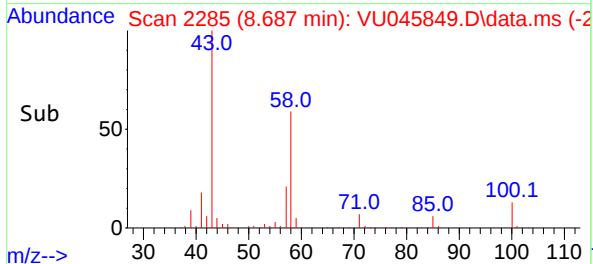
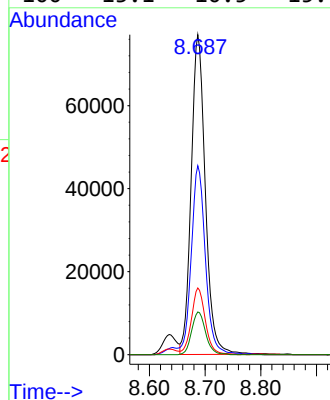
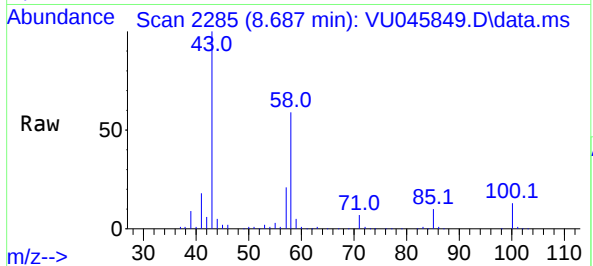




#48
2-Hexanone
Concen: 55.946 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

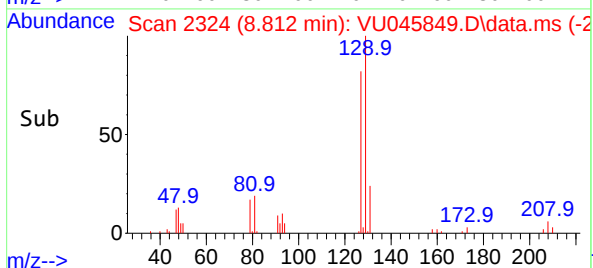
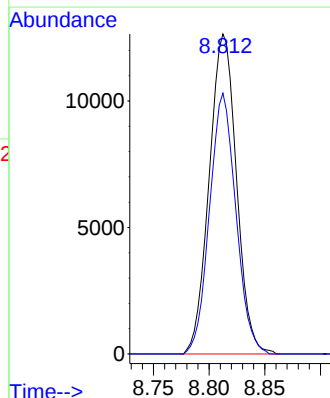
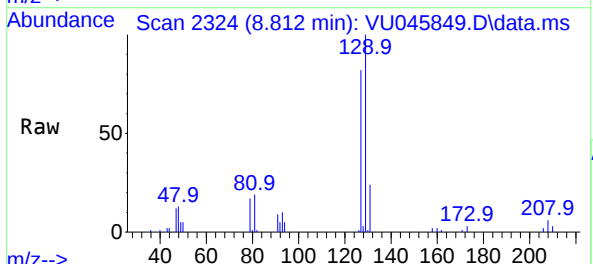
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

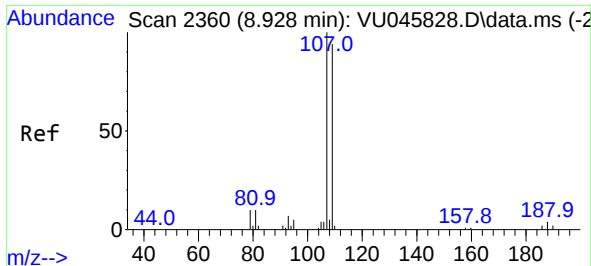
Tgt Ion: 43 Resp: 136601
Ion Ratio Lower Upper
43 100
58 58.5 46.7 70.1
57 20.6 16.3 24.5
100 13.1 10.5 15.7



#49
Dibromochloromethane
Concen: 4.949 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 129 Resp: 21565
Ion Ratio Lower Upper
129 100
127 81.5 55.4 102.8

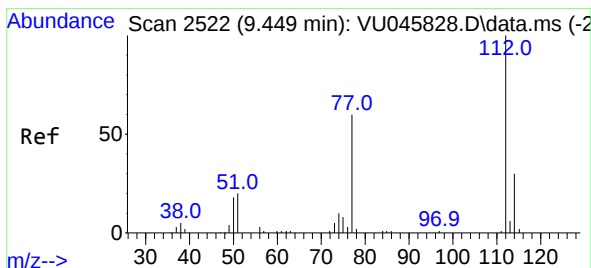
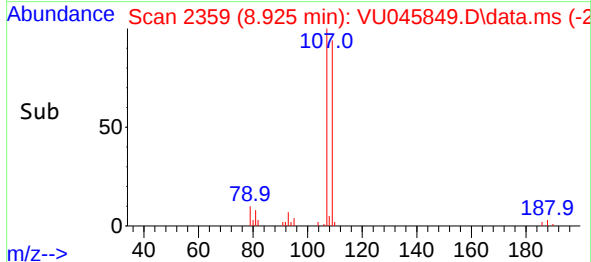
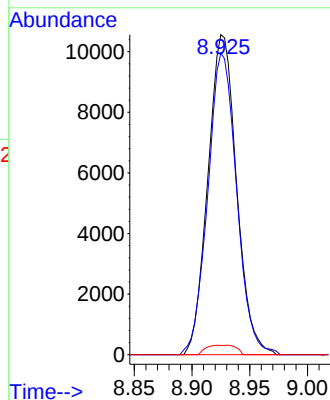
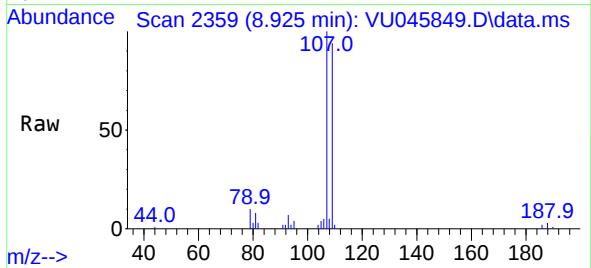




#50
1,2-Dibromoethane
Concen: 5.056 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

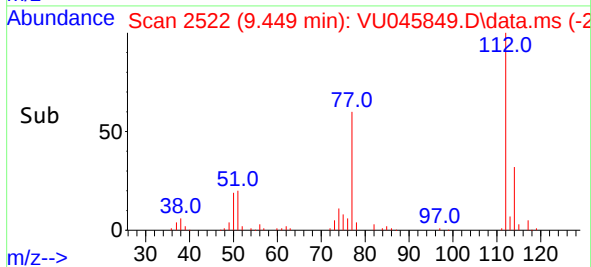
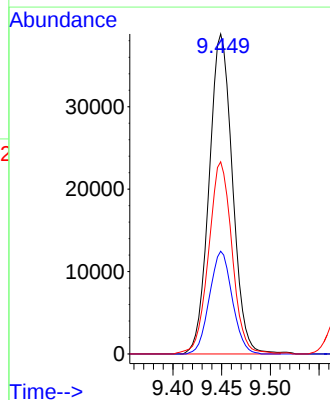
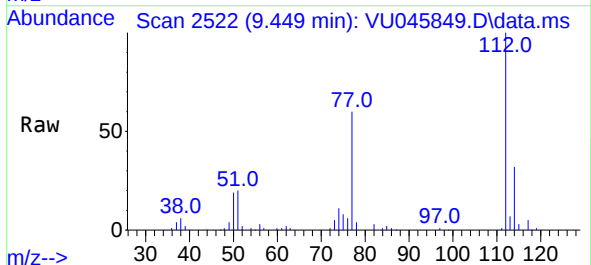
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

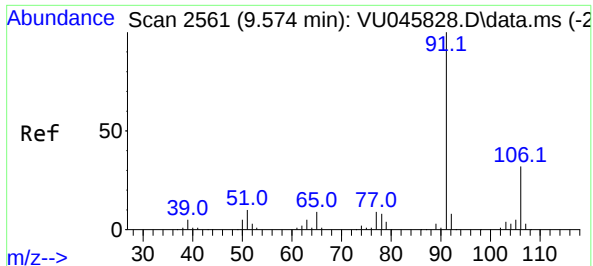
Tgt Ion:107 Resp: 18221
Ion Ratio Lower Upper
107 100
109 94.3 64.0 119.0
188 2.9 2.4 3.6



#51
Chlorobenzene
Concen: 5.094 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion:112 Resp: 64589
Ion Ratio Lower Upper
112 100
114 32.1 22.1 41.1
77 60.0 48.3 72.5

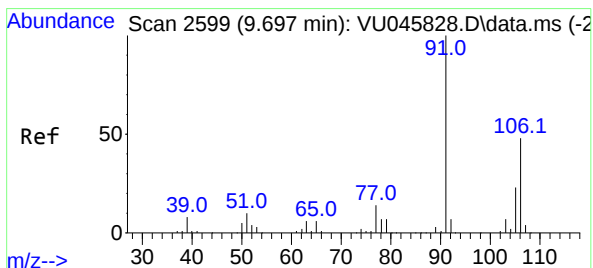
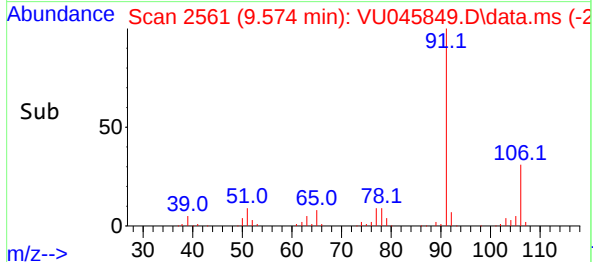
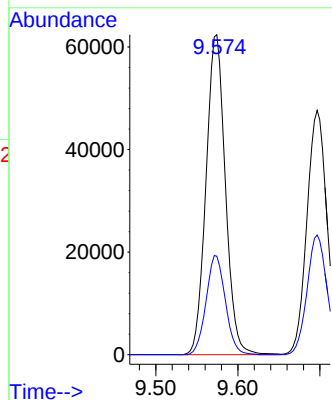
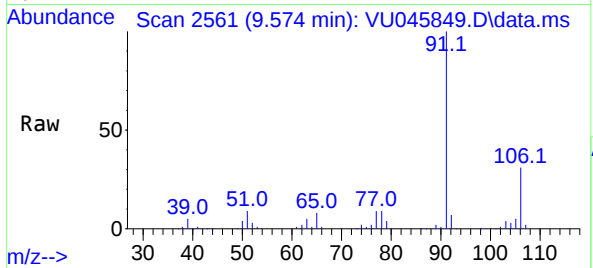




#52
Ethylbenzene
Concen: 4.843 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

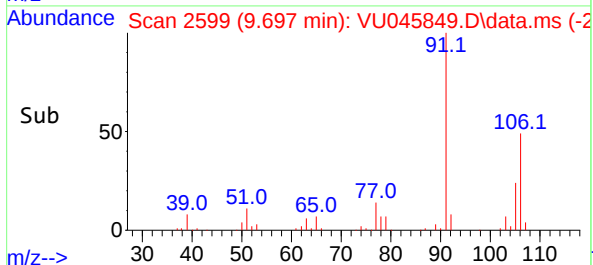
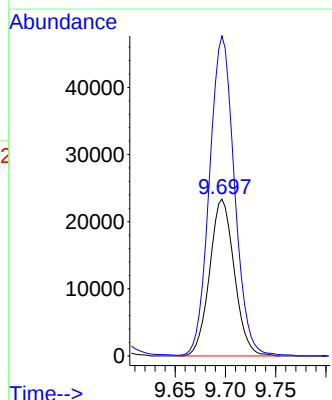
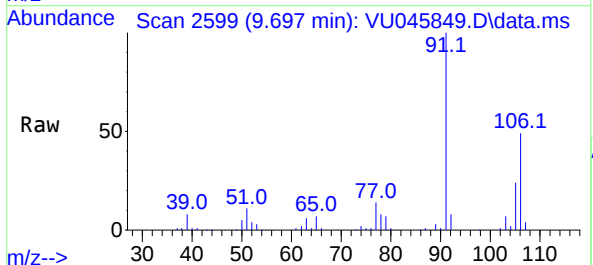
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

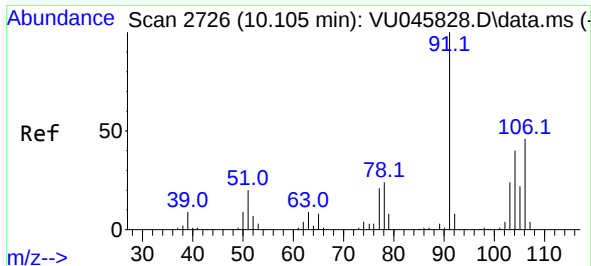
Tgt Ion: 91 Resp: 102468
Ion Ratio Lower Upper
91 100
106 30.8 21.5 39.9



#53
m,p-Xylene
Concen: 4.921 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion:106 Resp: 39882
Ion Ratio Lower Upper
106 100
91 204.0 139.4 259.0

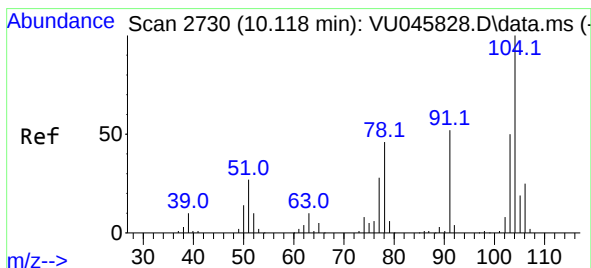
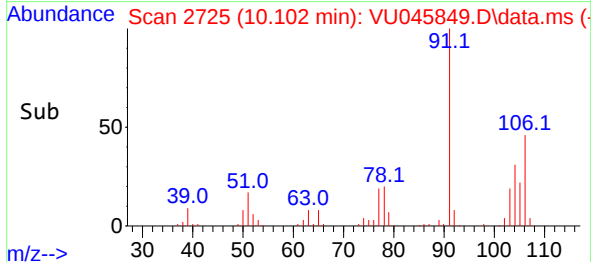
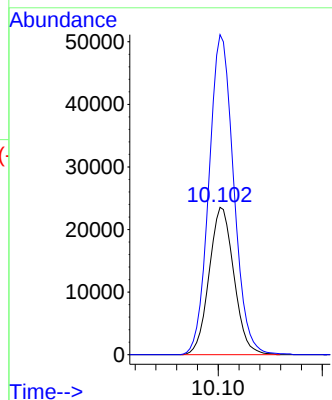
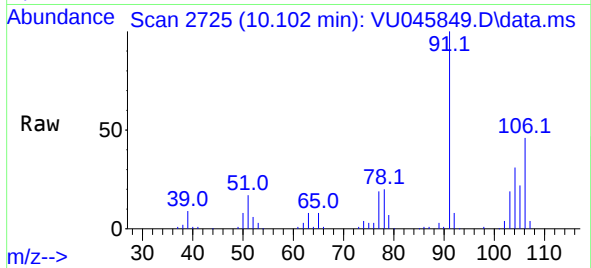




#54
o-Xylene
Concen: 4.983 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

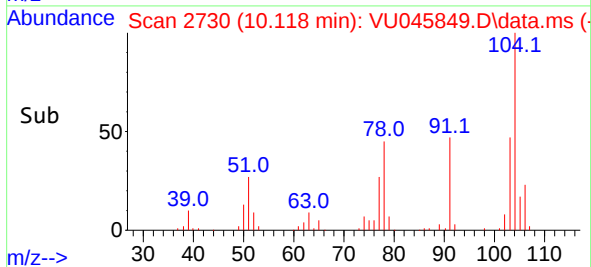
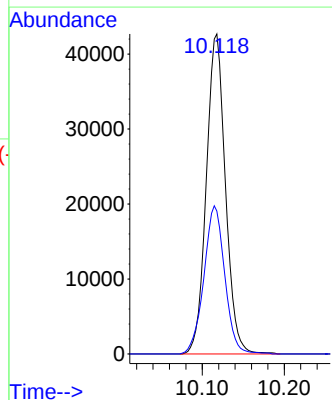
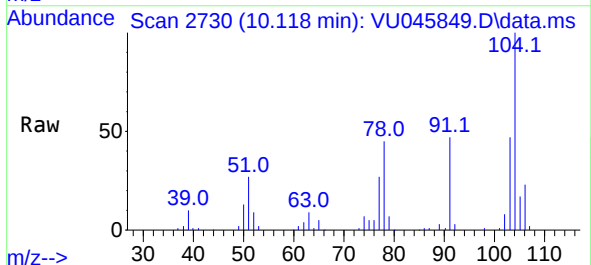
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

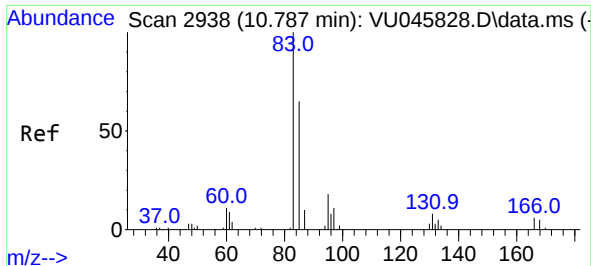
Tgt Ion:106 Resp: 38968
Ion Ratio Lower Upper
106 100
91 217.0 147.5 273.9



#55
Styrene
Concen: 5.255 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion:104 Resp: 69176
Ion Ratio Lower Upper
104 100
78 44.6 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.212 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU045849.D

Acq: 17 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

H4649MS

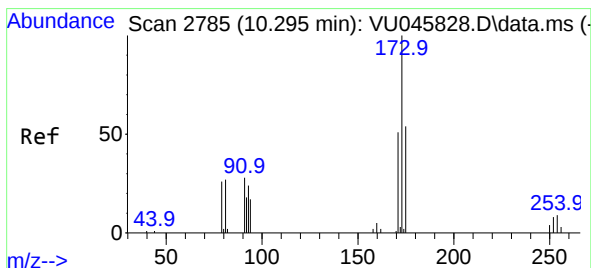
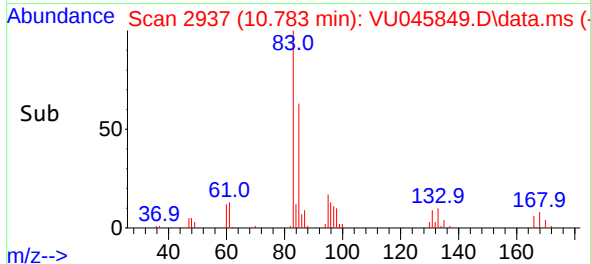
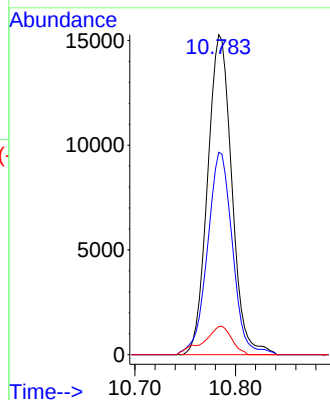
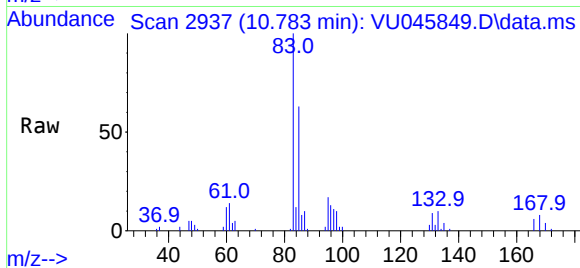
Tgt Ion: 83 Resp: 25537

Ion Ratio Lower Upper

83 100

85 63.3 47.9 89.1

131 8.8 8.1 12.1



#59

Bromoform

Concen: 4.552 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU045849.D

Acq: 17 Nov 2021 18:52

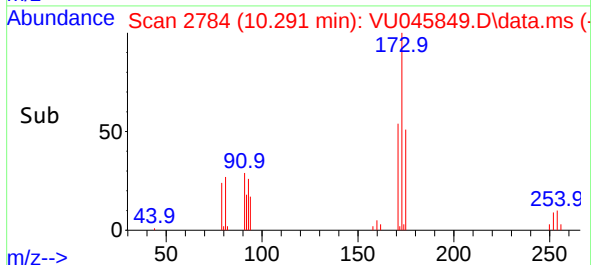
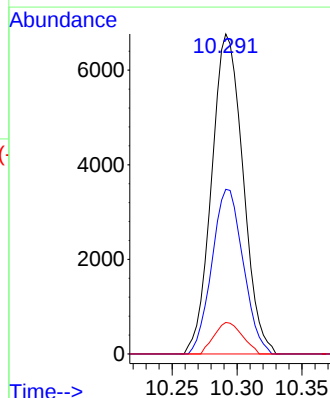
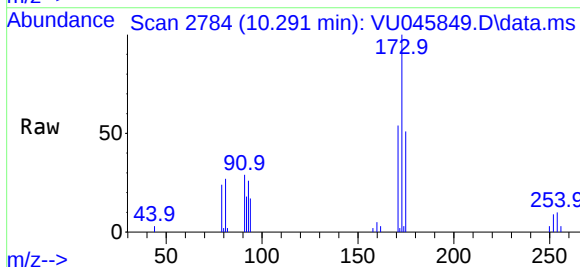
Tgt Ion:173 Resp: 11353

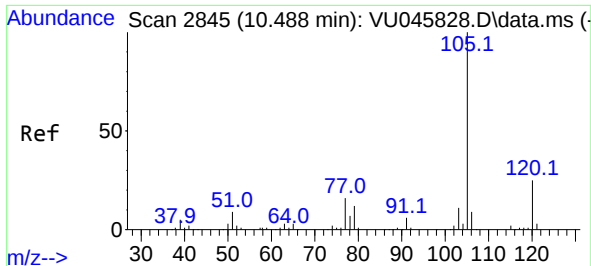
Ion Ratio Lower Upper

173 100

175 51.3 37.8 56.6

254 8.8 7.3 10.9

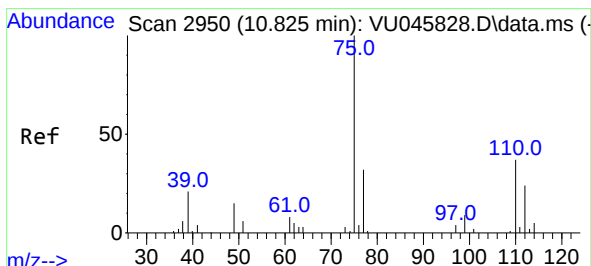
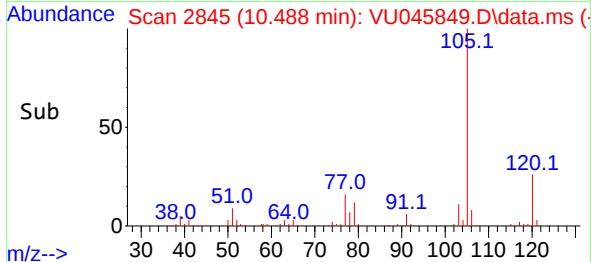
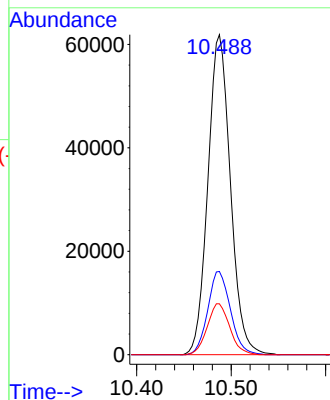
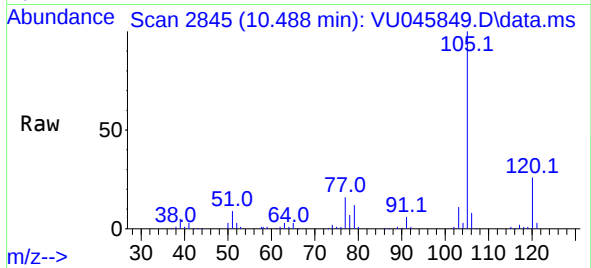




#60
Isopropylbenzene
Concen: 4.628 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

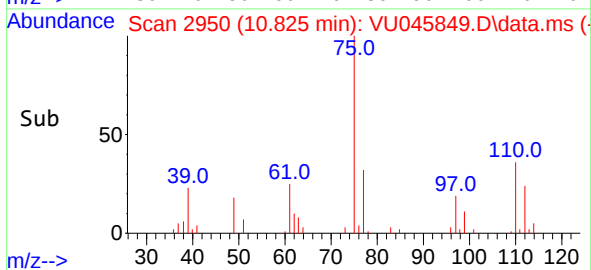
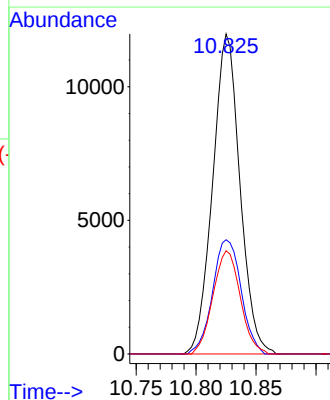
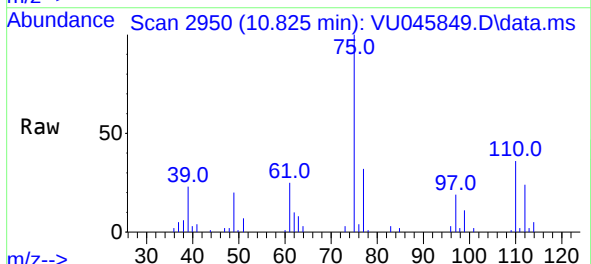
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

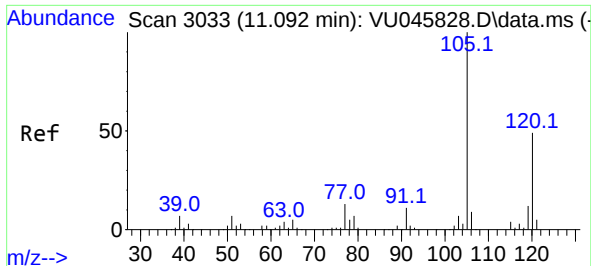
Tgt Ion:105 Resp: 102300
Ion Ratio Lower Upper
105 100
120 26.2 20.7 31.1
77 15.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.832 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion: 75 Resp: 18888
Ion Ratio Lower Upper
75 100
110 37.3 29.9 44.9
77 32.4 25.5 38.3

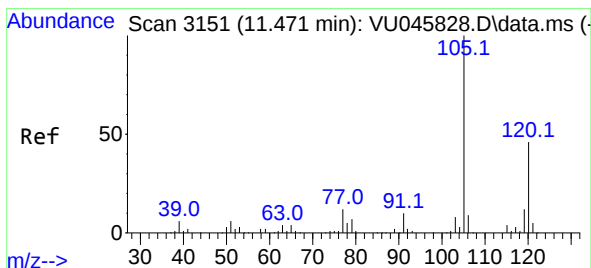
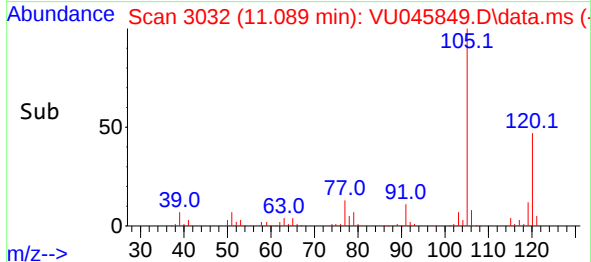
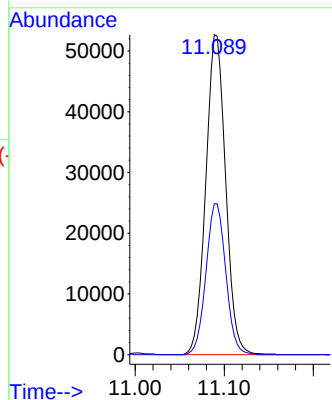
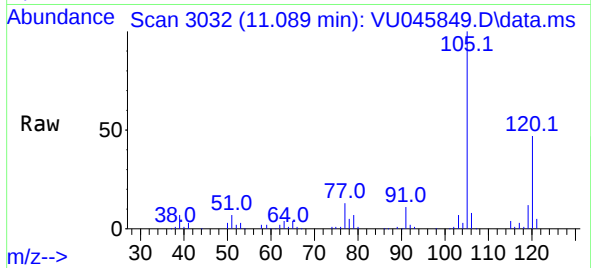




#62
1,3,5-Trimethylbenzene
Concen: 4.503 ug/L
RT: 11.089 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

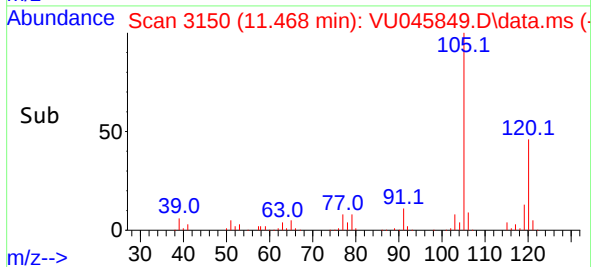
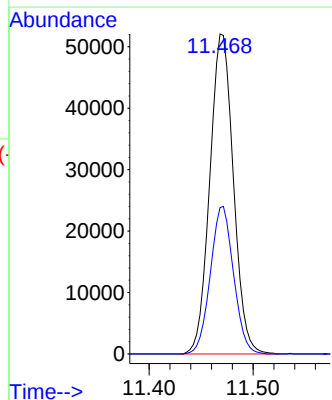
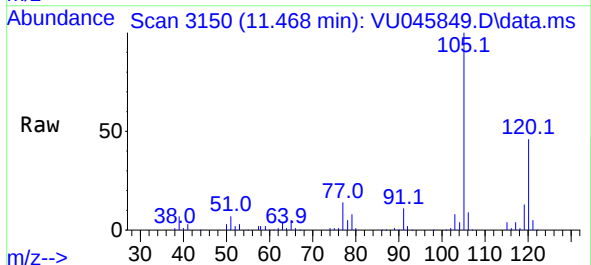
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

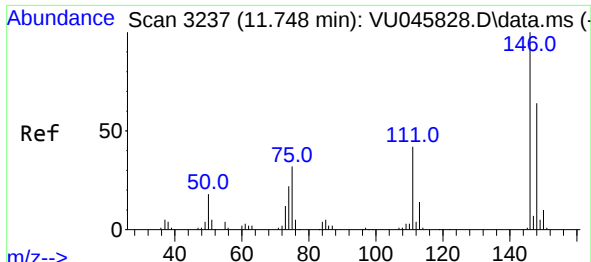
Tgt Ion:105 Resp: 81396
Ion Ratio Lower Upper
105 100
120 47.1 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 4.531 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion:105 Resp: 82056
Ion Ratio Lower Upper
105 100
120 45.2 35.8 53.8

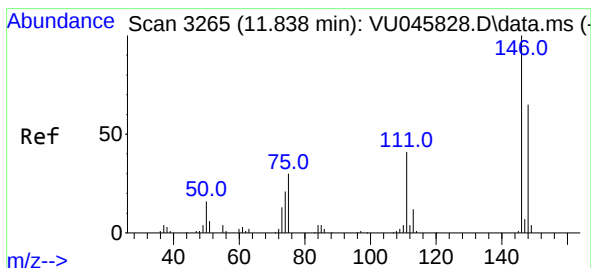
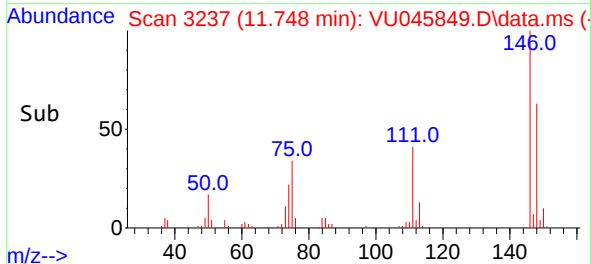
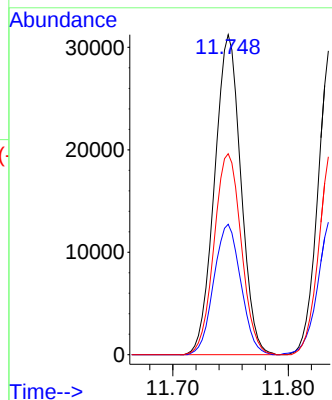
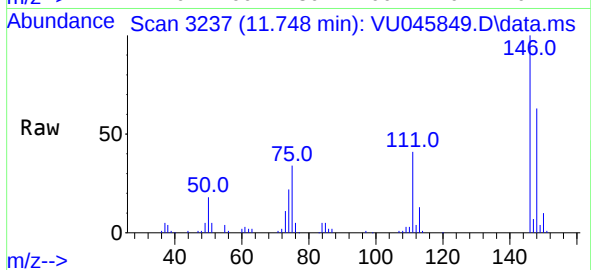




#64
1,3-Dichlorobenzene
Concen: 4.803 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

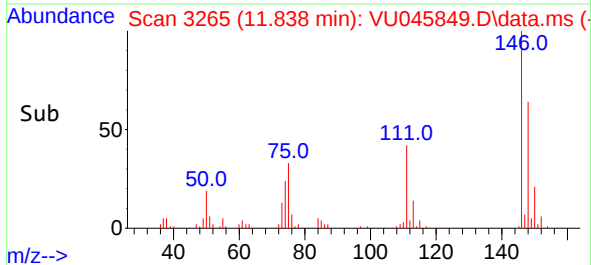
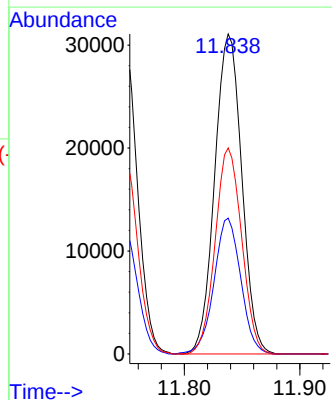
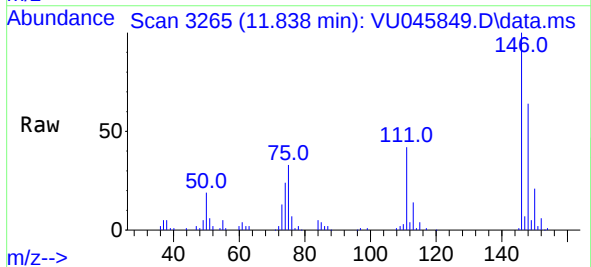
Instrument :
MSVOA_U
ClientSampleId :
H4649MS

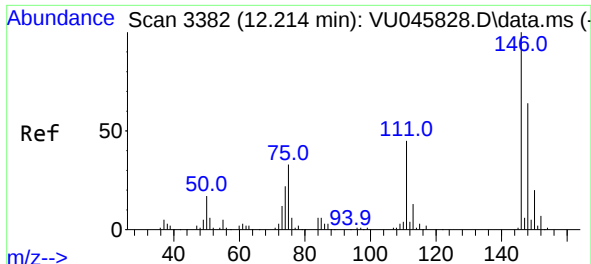
Tgt Ion:146 Resp: 49531
Ion Ratio Lower Upper
146 100
111 40.8 29.9 55.5
148 62.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.836 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion:146 Resp: 50663
Ion Ratio Lower Upper
146 100
111 42.5 28.7 53.3
148 64.4 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.874 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU045849.D

Acq: 17 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

H4649MS

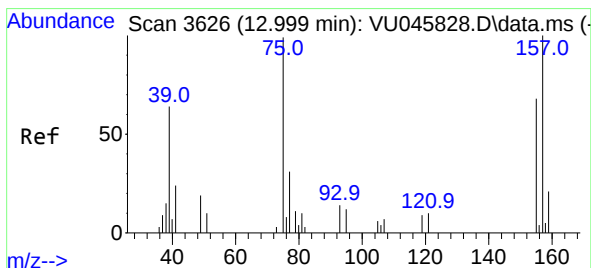
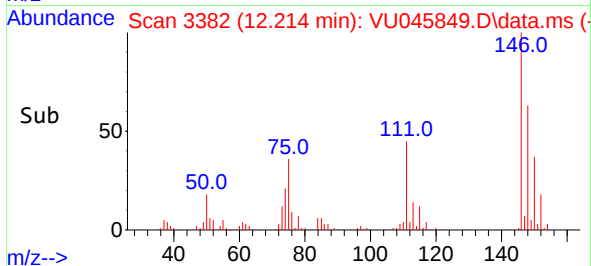
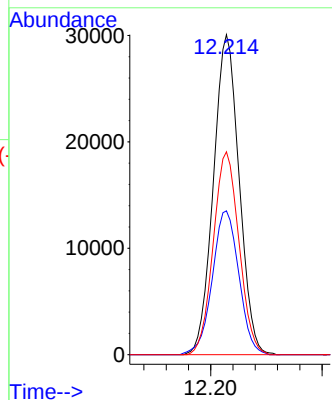
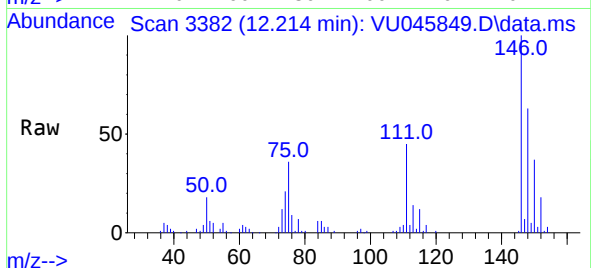
Tgt Ion:146 Resp: 48193

Ion Ratio Lower Upper

146 100

111 45.0 35.4 53.0

148 63.4 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.626 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU045849.D

Acq: 17 Nov 2021 18:52

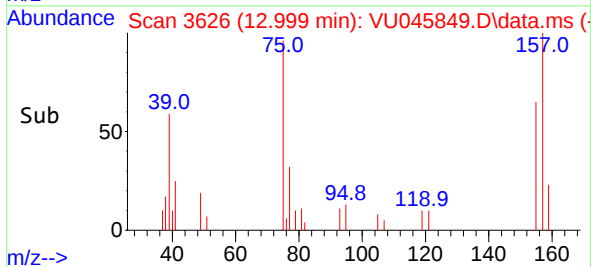
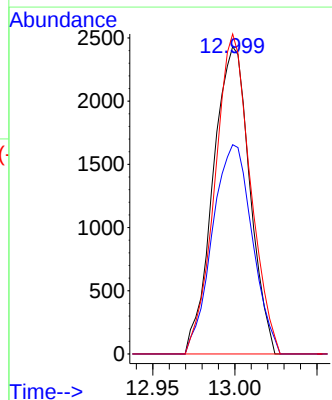
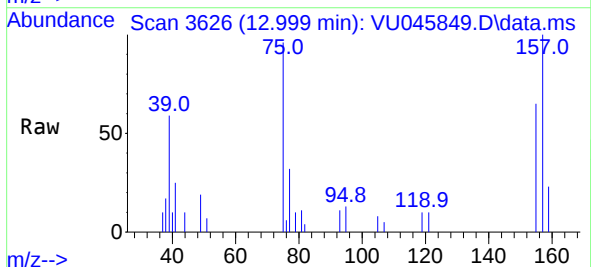
Tgt Ion: 75 Resp: 3762

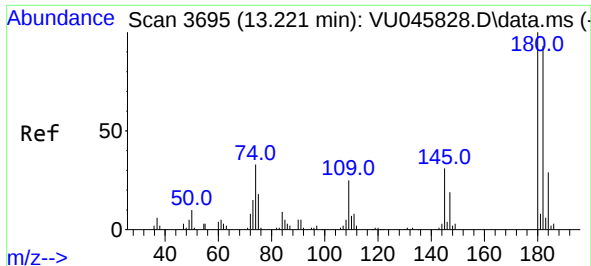
Ion Ratio Lower Upper

75 100

155 68.1 59.2 88.8

157 104.1 76.5 114.7





#69

1,3,5-Trichlorobenzene

Concen: 4.540 ug/L

RT: 13.220 min Scan# 3695

Delta R.T. -0.000 min

Lab File: VU045849.D

Acq: 17 Nov 2021 18:52

Instrument :

MSVOA_U

ClientSampleId :

H4649MS

Tgt Ion:180 Resp: 35021

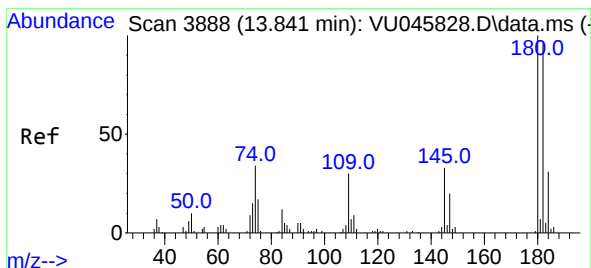
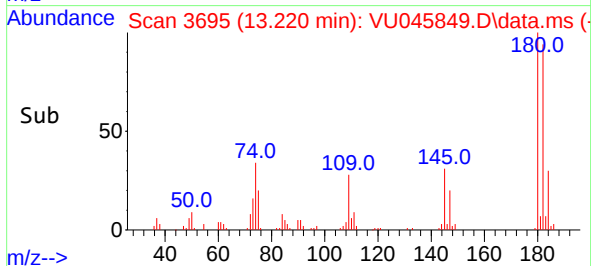
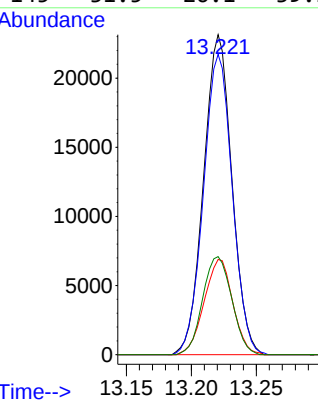
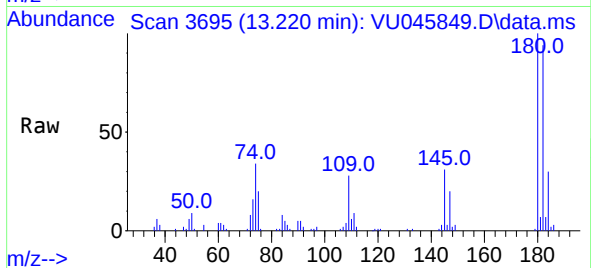
Ion Ratio Lower Upper

180 100

182 95.5 76.1 114.1

184 30.2 25.0 37.4

145 31.5 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 4.595 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU045849.D

Acq: 17 Nov 2021 18:52

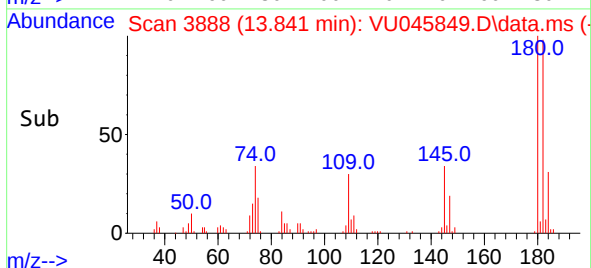
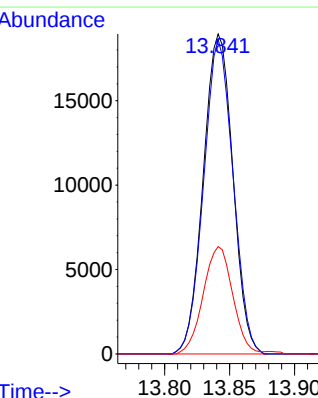
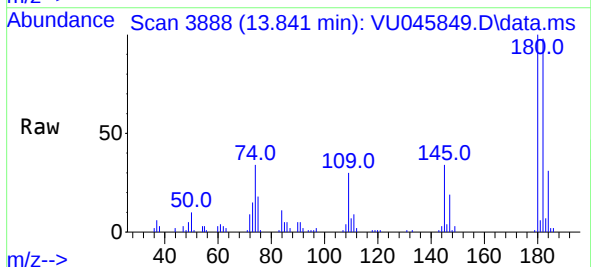
Tgt Ion:180 Resp: 29994

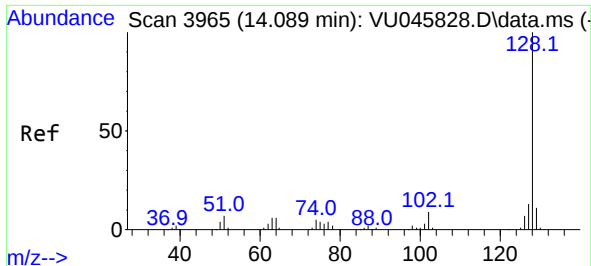
Ion Ratio Lower Upper

180 100

182 97.5 76.4 114.6

145 33.5 25.6 38.4

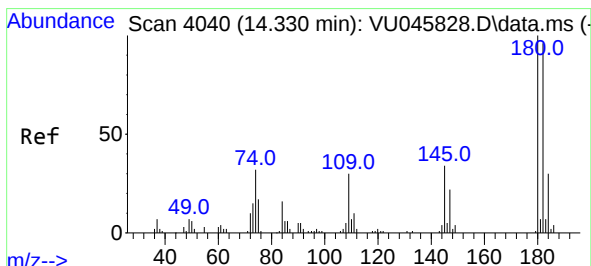
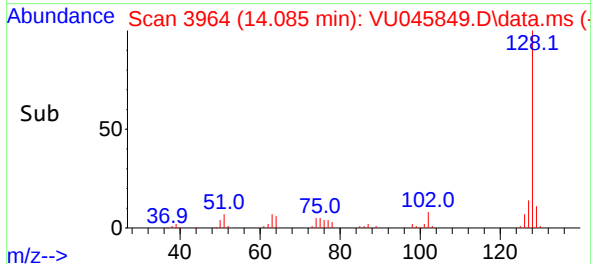
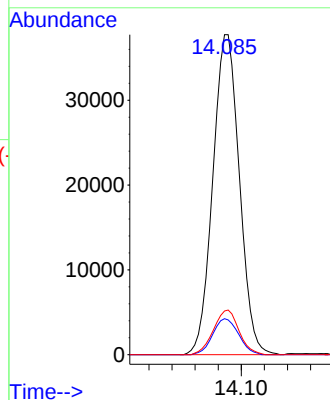
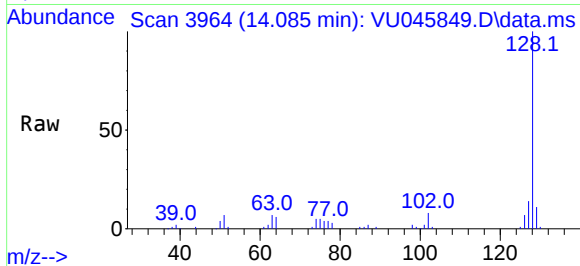




#71
Naphthalene
Concen: 4.490 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Instrument :
MSVOA_U
ClientSampleId :
H4649MS

Tgt Ion:128	Resp: 60217
Ion Ratio	Lower Upper
128 100	
129 11.0	8.4 12.6
127 13.4	10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.644 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU045849.D
Acq: 17 Nov 2021 18:52

Tgt Ion:180	Resp:	30169	
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.2	114.4
145	32.9	28.4	42.6

