

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050421\
 Data File : VU043515.D
 Acq On : 04 May 2021 12:37
 Operator : SY/MD
 Sample : M2195-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB3H5

Quant Time: May 05 04:54:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR050321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 05 04:50:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.260	114	91118	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	94006	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	42397	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	30668	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.916	69	23884	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.572	65	15720	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	4.655	46	126117	55.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.88%
24) Chloroform-d	5.073	84	63945	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.710	65	42105	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.735	84	118248	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.700	67	41866	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.906	98	101375	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloroprop...	8.185	79	16237	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.645	63	82833	54.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.80%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	34425	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
66) 1,2-Dichlorobenzene-d4	12.201	152	37795	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	1121	0.17	ug/L	96
8) Chloroethane	1.938	64	605	0.15	ug/L #	44
13) Acetone	2.671	43	7722	5.09	ug/L	90
14) Carbon disulfide	2.800	76	1054	0.08	ug/L #	74
15) Methyl Acetate	2.980	43	474	0.14	ug/L #	58
16) Methylene chloride	3.051	84	1298	0.16	ug/L	83
21) 2-Butanone	4.822	43	30148	12.40	ug/L #	58
30) Cyclohexane	5.391	56	1103	0.13	ug/L #	68
33) Benzene	5.787	78	4143	0.17	ug/L	100
34) Trichloroethene	6.552	95	1738	0.27	ug/L	90
35) Methylcyclohexane	6.771	83	1974	0.24	ug/L	94
37) 1,2-Dichloropropane	6.703	63	4851	0.66	ug/L #	90
39) cis-1,3-Dichloropropene	7.571	75	1275	0.13	ug/L #	72
42) Toluene	7.977	91	11993	0.46	ug/L	99
45) 1,1,2-Trichloroethane	8.562	97	4411	0.86	ug/L #	7
47) Tetrachloroethene	8.562	164	453217	97.29	ug/L	98
48) 2-Hexanone	8.694	43	6648	1.48	ug/L #	92
49) Dibromochloromethane	8.562	129	422931	68.48	ug/L #	12
52) Ethylbenzene	9.578	91	3593	0.13	ug/L	95
53) m,p-Xylene	9.700	106	2362	0.24	ug/L	99

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

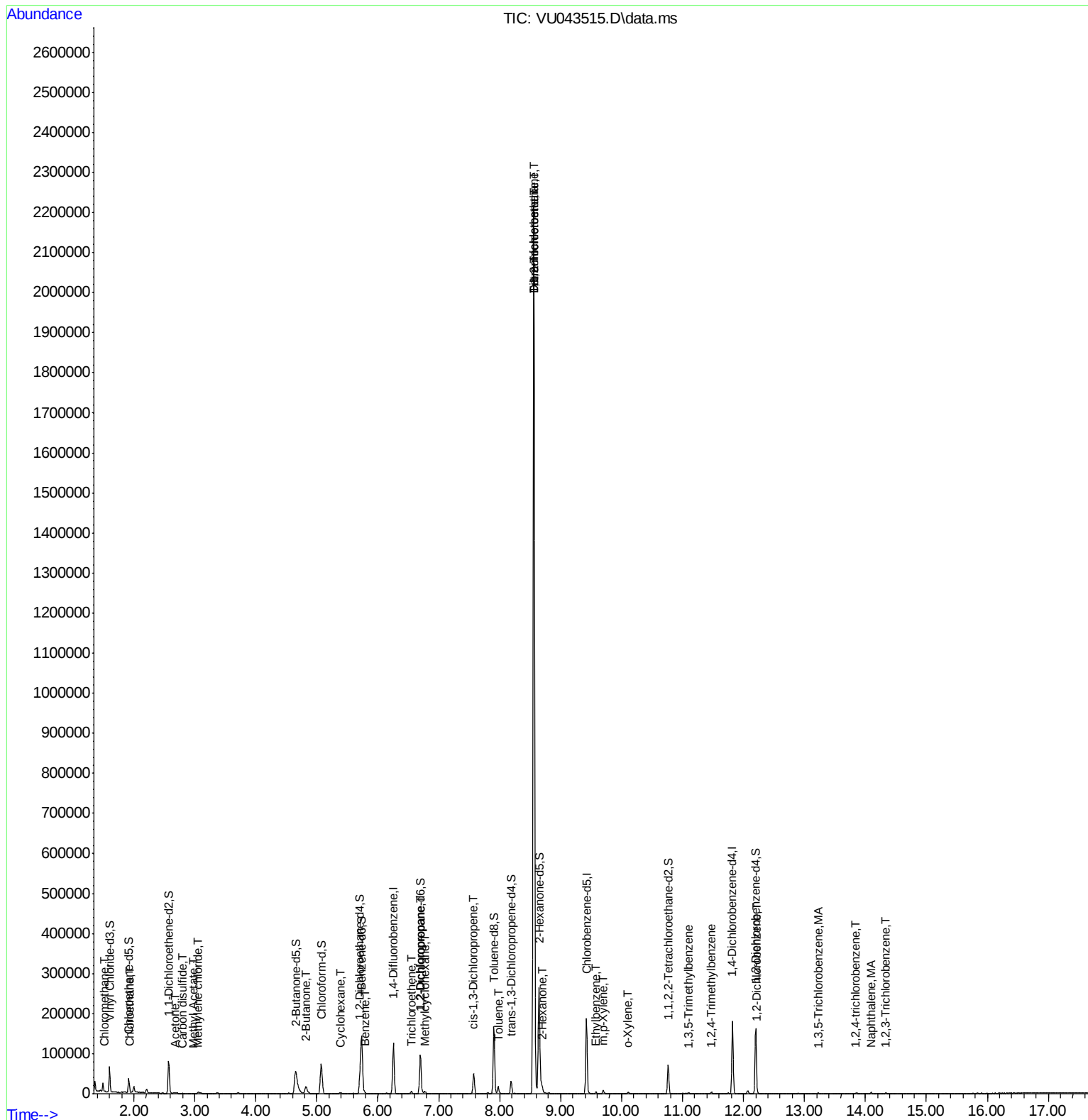
54) o-Xylene	10.105	106	741	0.08	ug/L	98
62) 1,3,5-Trimethylbenzene	11.092	105	1347	0.07	ug/L	95
63) 1,2,4-Trimethylbenzene	11.475	105	2680	0.15	ug/L	91
67) 1,2-Dichlorobenzene	12.214	146	749	0.06	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.230	180	650	0.07	ug/L #	77
70) 1,2,4-trichlorobenzene	13.844	180	877	0.12	ug/L #	81
71) Naphthalene	14.095	128	2826	0.22	ug/L	98
72) 1,2,3-Trichlorobenzene	14.336	180	1016	0.14	ug/L #	74

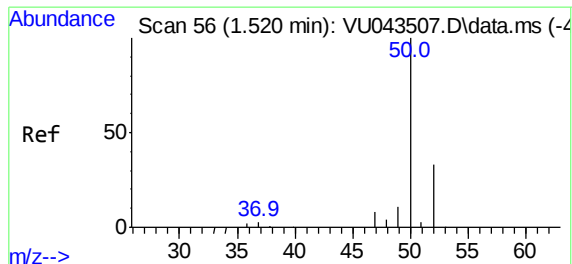
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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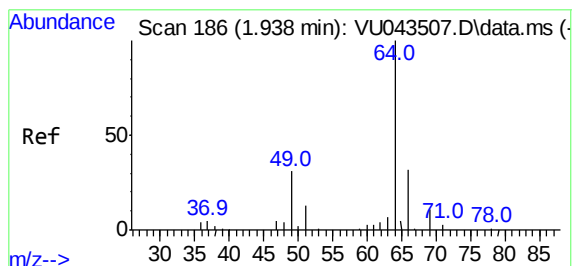
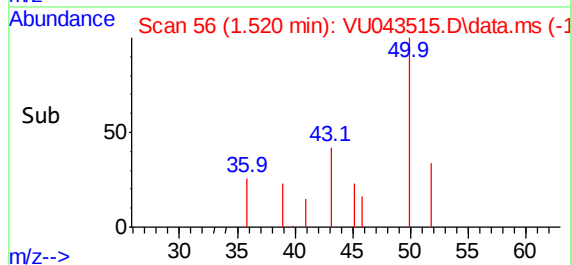
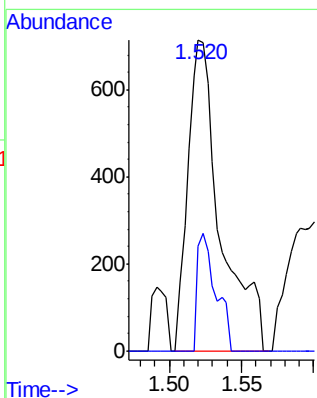
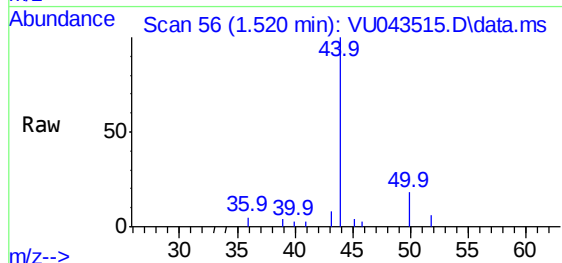




#3
Chloromethane
Concen: 0.17 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

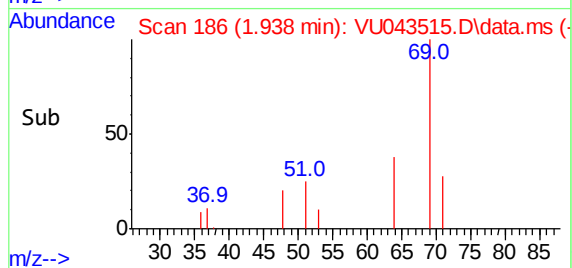
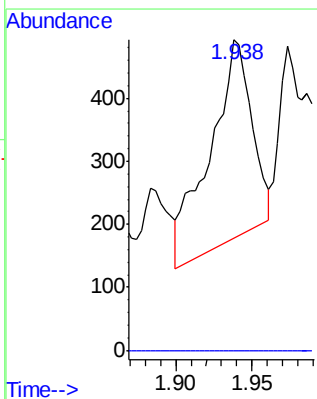
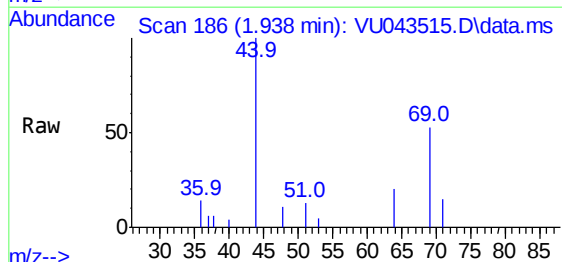
Instrument :
MSVOA_U
ClientSampleId :
GB3H5

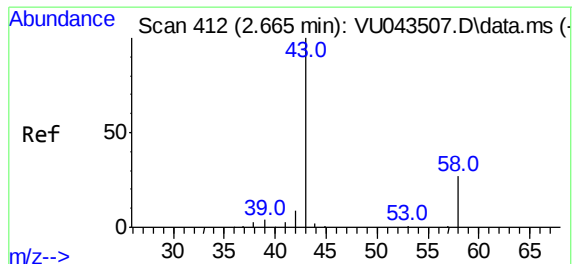
Tgt Ion: 50 Resp: 1121
Ion Ratio Lower Upper
50 100
52 33.8 22.1 41.1



#8
Chloroethane
Concen: 0.15 ug/L
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 64 Resp: 605
Ion Ratio Lower Upper
64 100
66 0.0 21.8 40.4

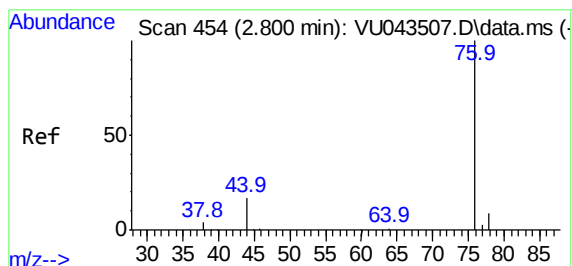
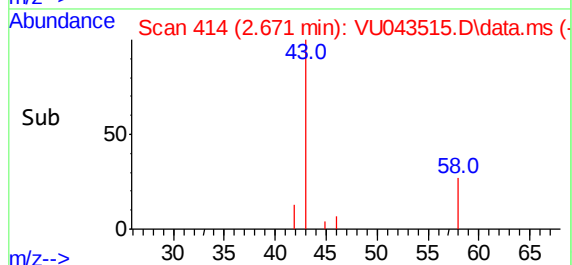
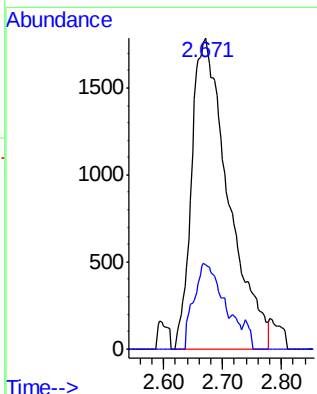
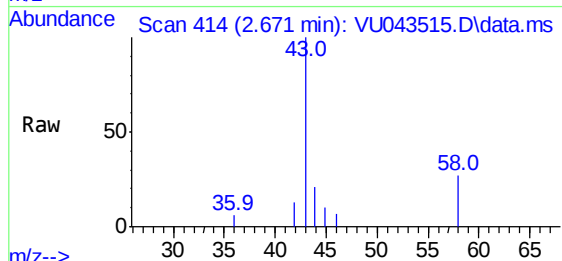




#13
Acetone
Concen: 5.09 ug/L
RT: 2.671 min Scan# 414
Delta R.T. 0.006 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

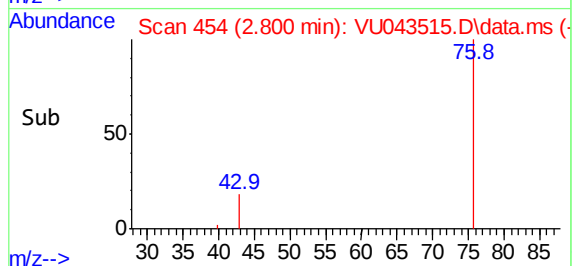
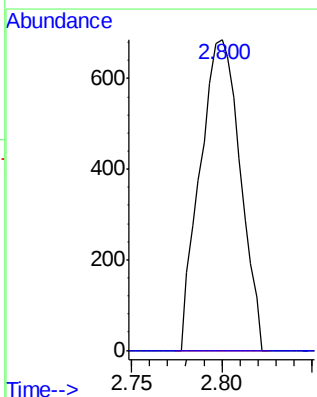
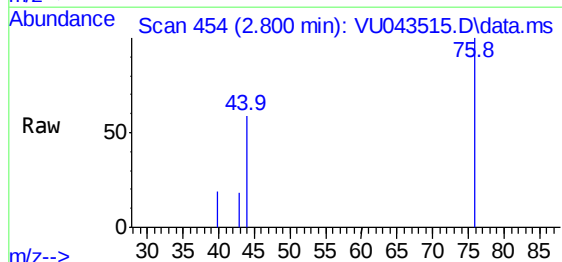
Instrument :
MSVOA_U
ClientSampleId :
GB3H5

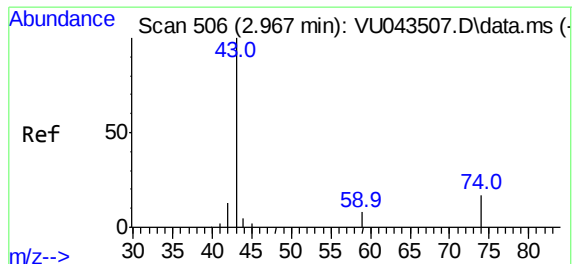
Tgt Ion: 43 Resp: 7722
Ion Ratio Lower Upper
43 100
58 20.3 0.0 50.8



#14
Carbon disulfide
Concen: 0.08 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 76 Resp: 1054
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

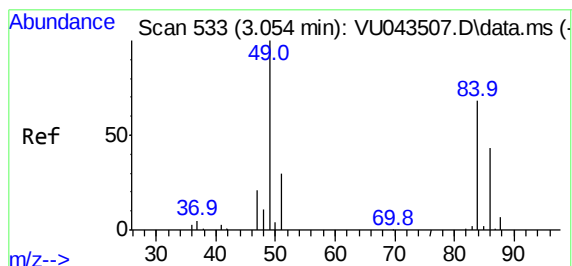
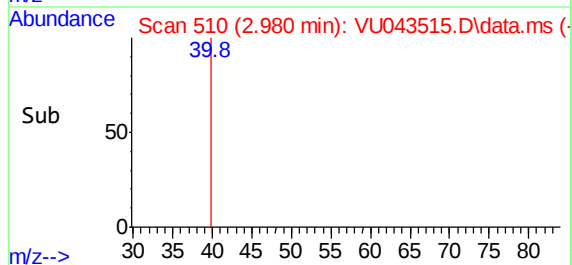
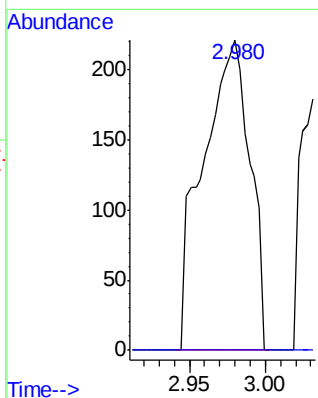
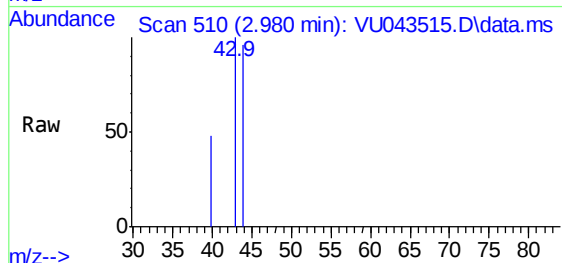




#15
Methyl Acetate
Concen: 0.14 ug/L
RT: 2.980 min Scan# 510
Delta R.T. 0.013 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

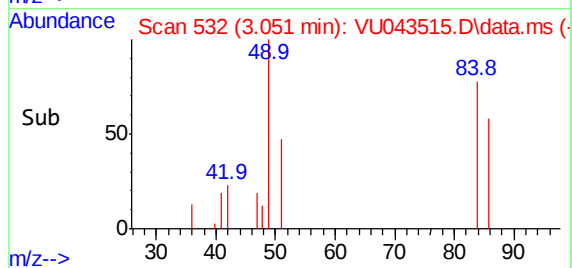
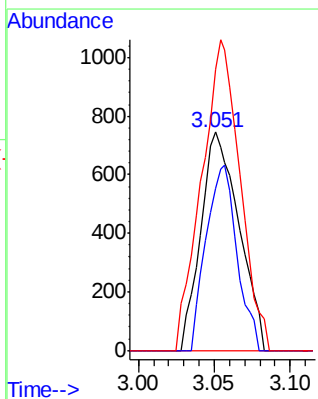
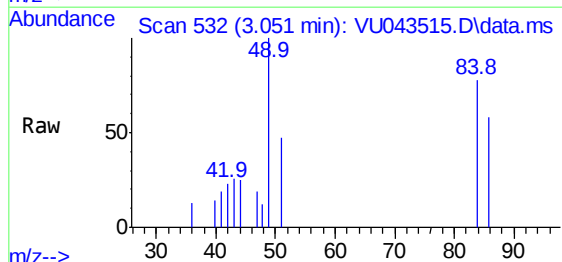
Instrument :
MSVOA_U
ClientSampleId :
GB3H5

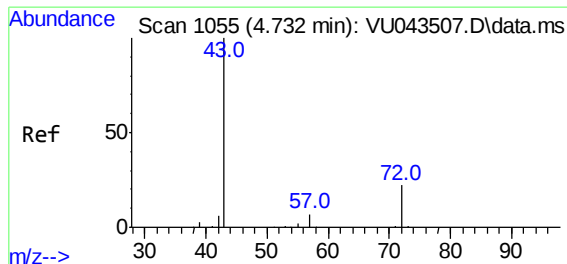
Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#



#16
Methylene chloride
Concen: 0.16 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 84 Resp: 1298
Ion Ratio Lower Upper
84 100
86 74.1 45.6 84.6
49 128.9 107.0 198.8

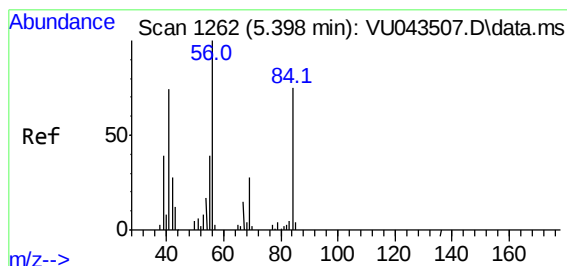
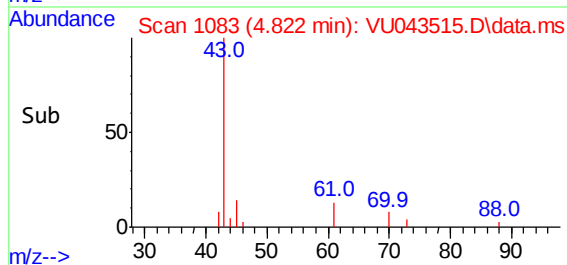
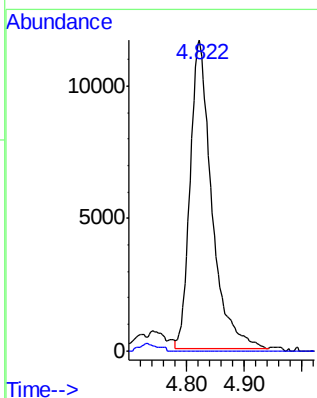
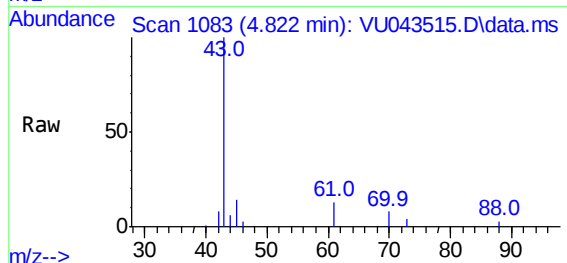




#21
2-Butanone
Concen: 12.40 ug/L
RT: 4.822 min Scan# 1083
Delta R.T. 0.090 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

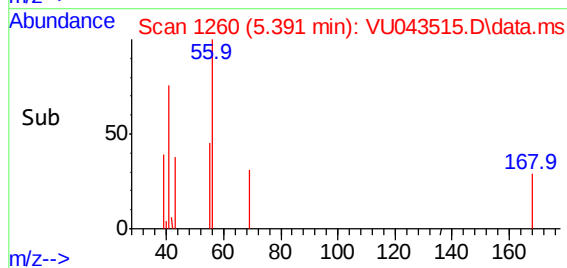
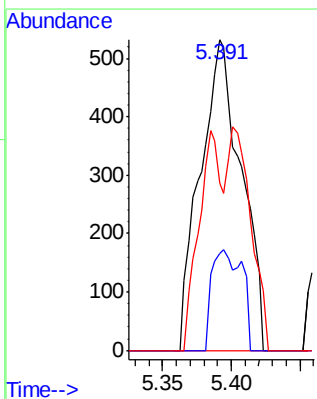
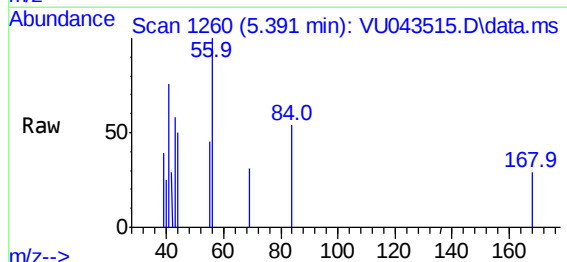
Instrument :
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ClientSampled :
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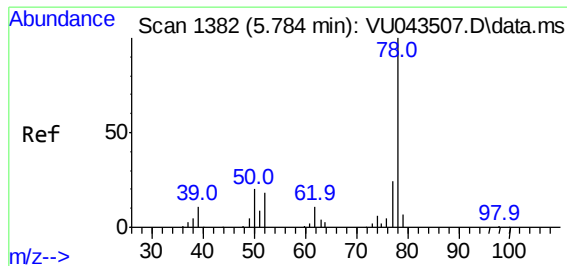
Tgt Ion: 43 Resp: 30148
Ion Ratio Lower Upper
43 100
72 1.7 10.8 32.4#



#30
Cyclohexane
Concen: 0.13 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. -0.007 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 56 Resp: 1103
Ion Ratio Lower Upper
56 100
69 23.4 23.0 34.4
84 41.0 60.3 90.5#

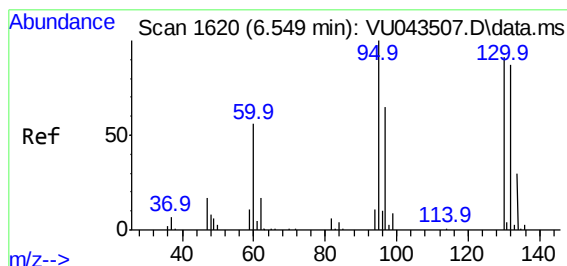
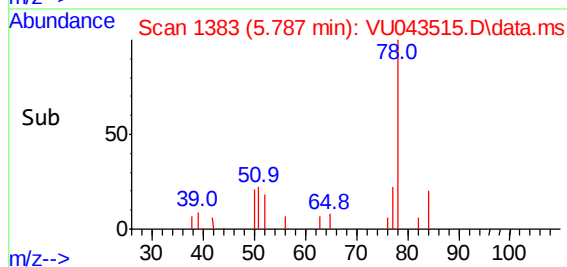
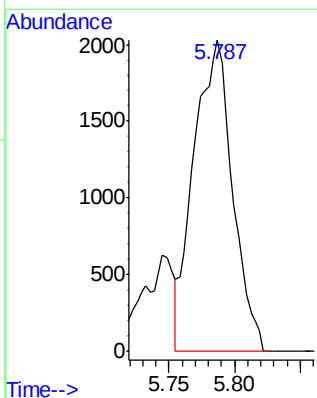
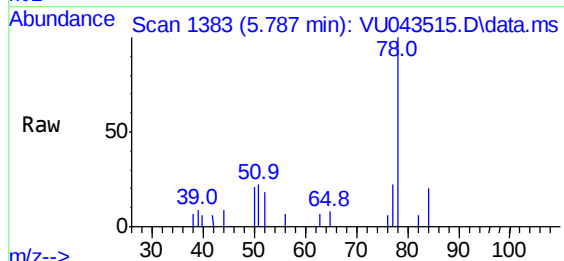




#33
Benzene
Concen: 0.17 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Instrument :
MSVOA_U
ClientSampleId :
GB3H5

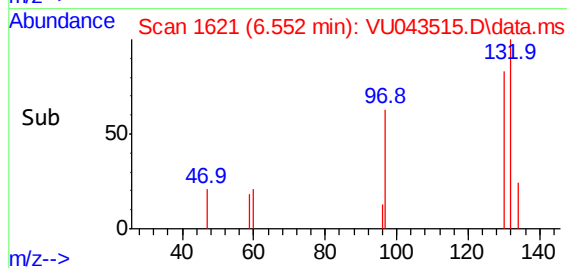
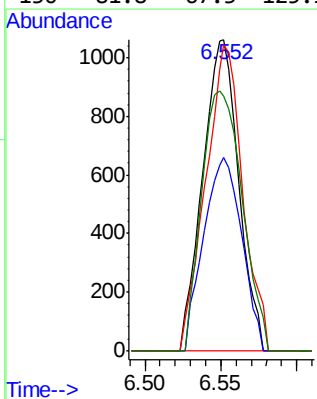
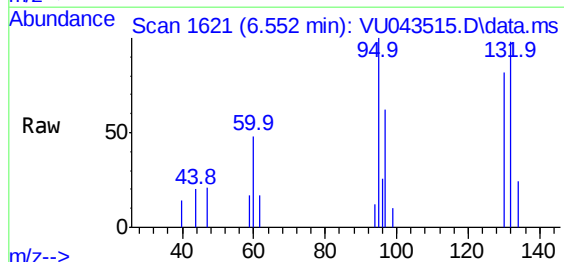
Tgt Ion: 78 Resp: 4143

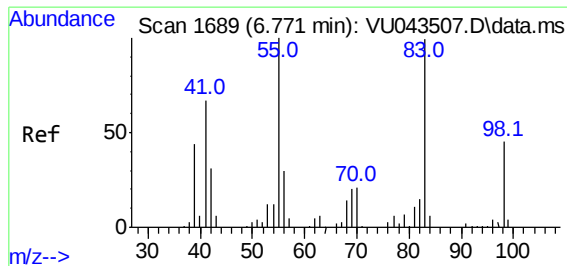


#34
Trichloroethene
Concen: 0.27 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 95 Resp: 1738

Ion	Ratio	Lower	Upper
95	100		
97	62.1	46.5	86.5
132	98.2	64.1	119.1
130	81.8	67.3	125.1

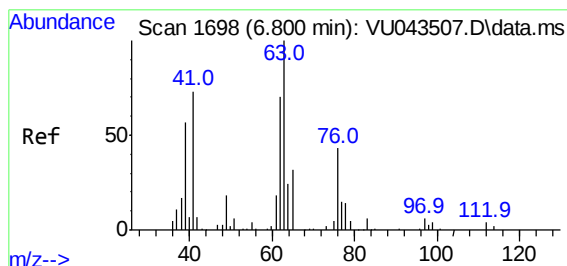
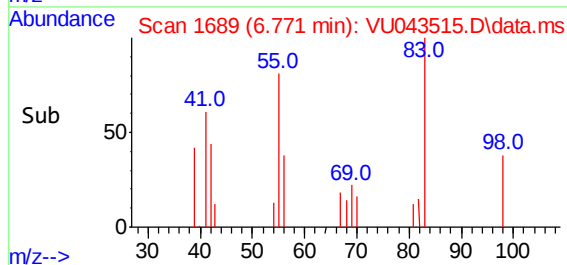
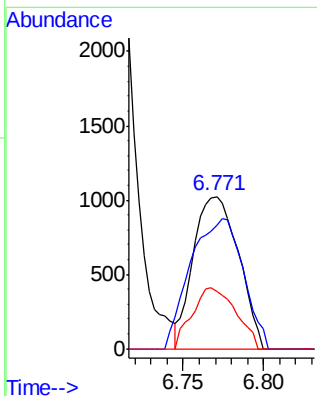
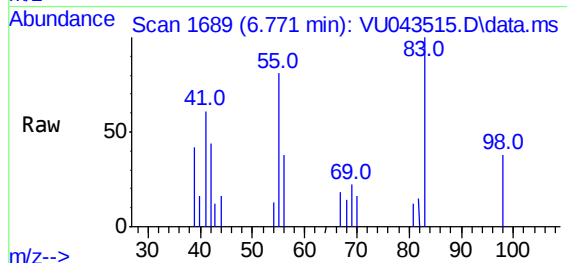




#35
Methylcyclohexane
Concen: 0.24 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

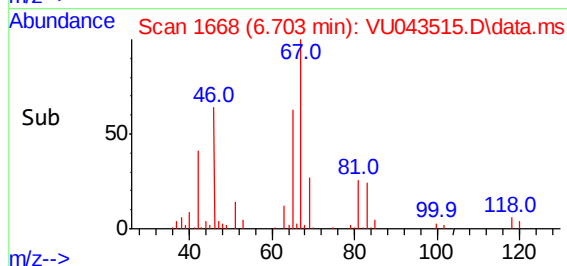
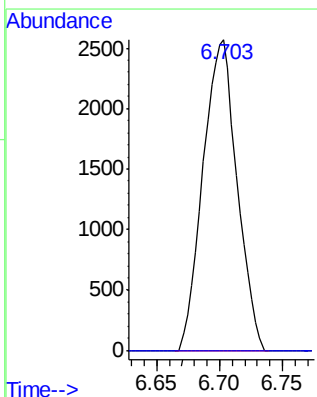
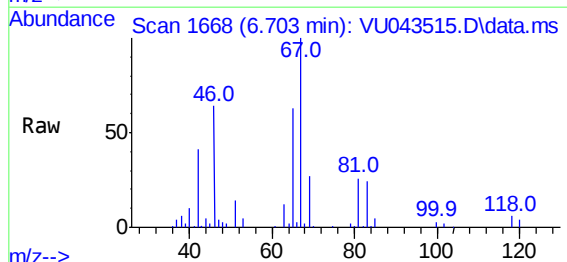
Instrument :
MSVOA_U
ClientSampleId :
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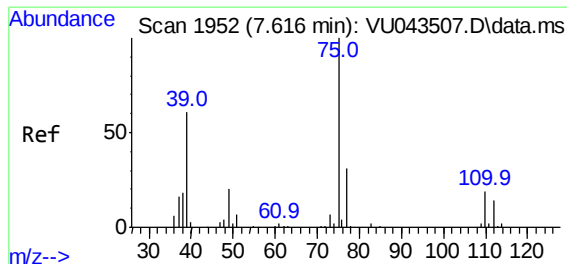
Tgt Ion: 83 Resp: 1974
Ion Ratio Lower Upper
83 100
55 99.8 75.8 113.8
98 38.6 35.5 53.3



#37
1,2-Dichloropropane
Concen: 0.66 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.097 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 63 Resp: 4851
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#

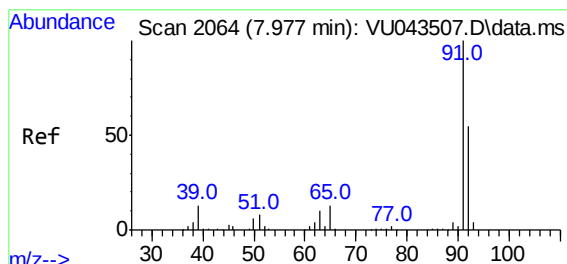
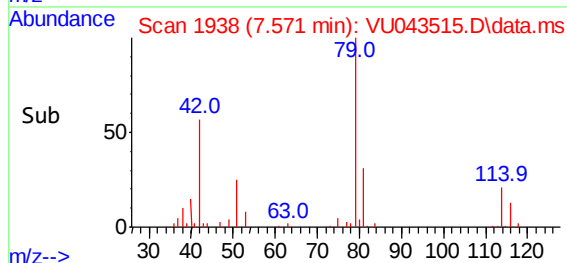
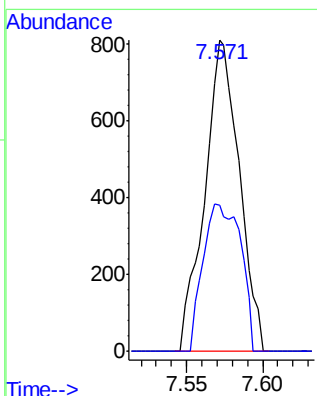
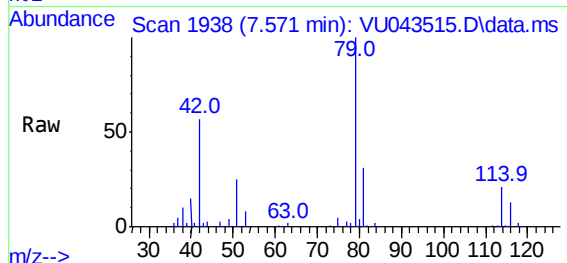




#39
cis-1,3-Dichloropropene
Concen: 0.13 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

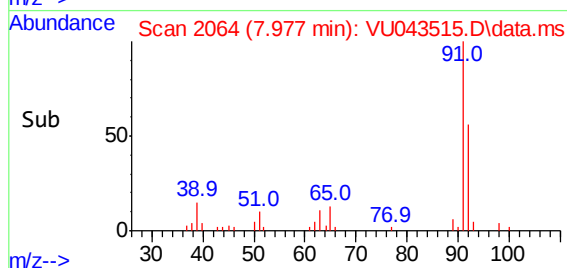
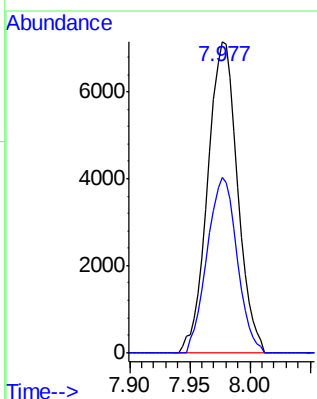
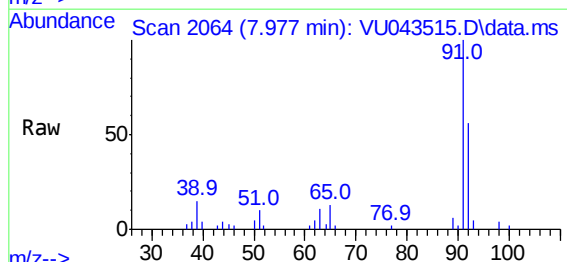
Instrument :
MSVOA_U
ClientSampleId :
GB3H5

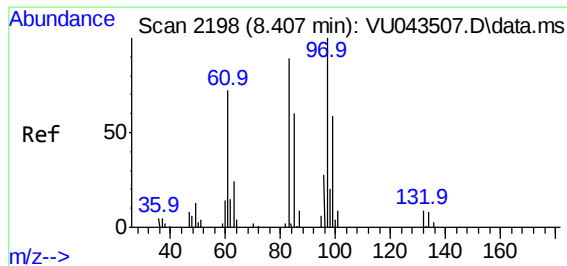
Tgt Ion: 75 Resp: 1275
Ion Ratio Lower Upper
75 100
77 46.8 21.9 40.7#



#42
Toluene
Concen: 0.46 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 91 Resp: 11993
Ion Ratio Lower Upper
91 100
92 56.2 39.1 72.5

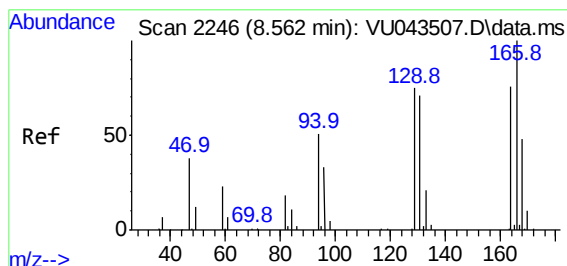
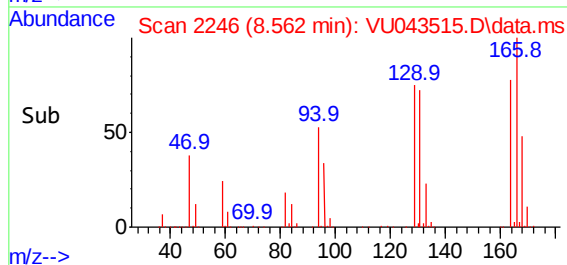
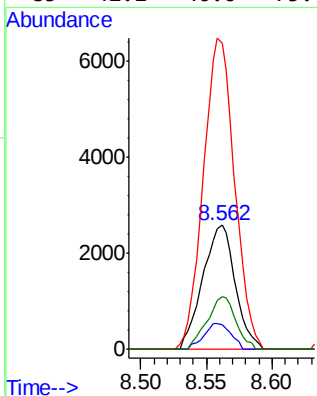
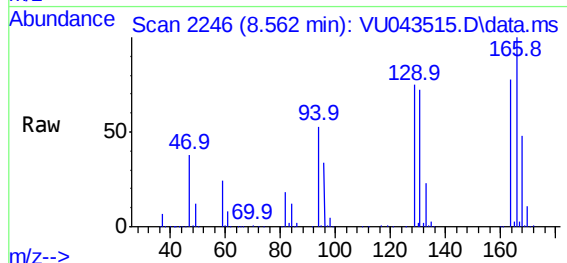




#45
1,1,2-Trichloroethane
Concen: 0.86 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.154 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

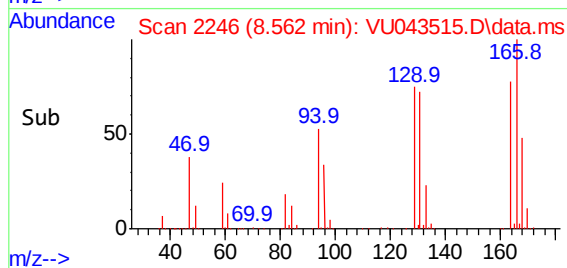
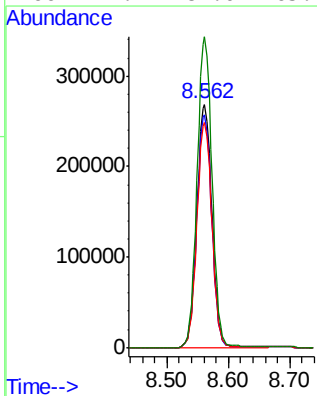
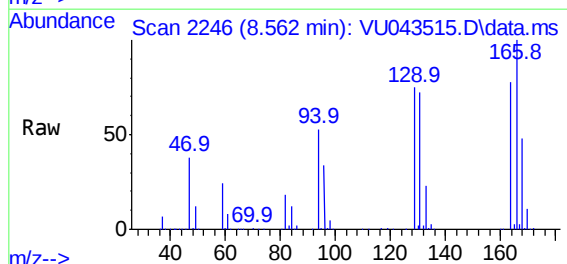
Instrument :
MSVOA_U
ClientSampleId :
GB3H5

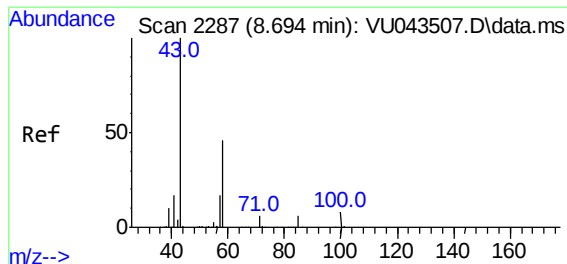
Tgt Ion: 97 Resp: 4411
Ion Ratio Lower Upper
97 100
99 19.2 42.6 79.0#
83 247.4 64.1 119.1#
85 42.1 40.6 75.4



#47
Tetrachloroethene
Concen: 97.29 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 164 Resp: 453217
Ion Ratio Lower Upper
164 100
129 95.5 62.5 116.1
131 92.4 64.9 120.5
166 127.7 89.0 165.2



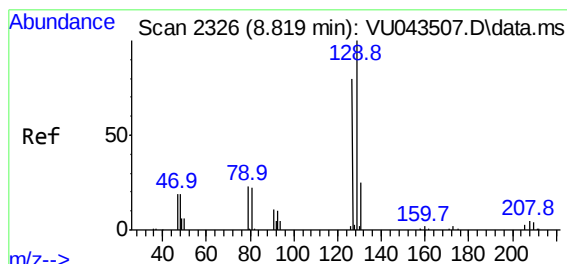
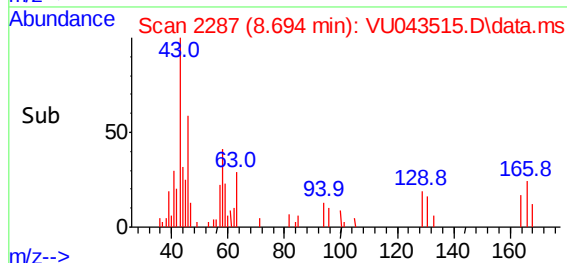
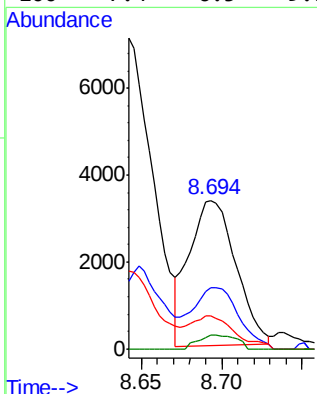
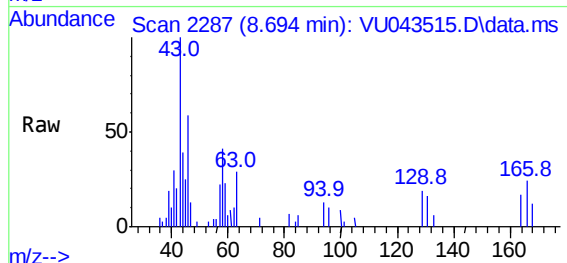


#48
2-Hexanone
Concen: 1.48 ug/L
RT: 8.694 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Instrument :
MSVOA_U
ClientSampleId :
GB3H5

Tgt Ion: 43 Resp: 6648

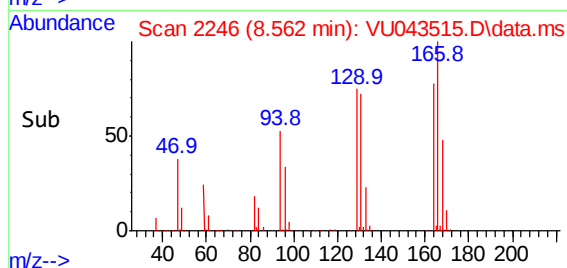
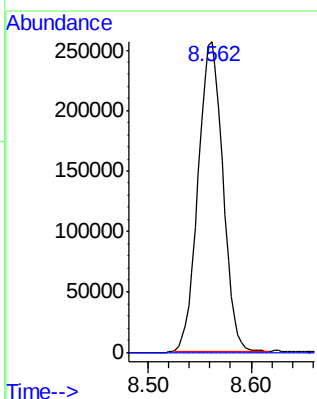
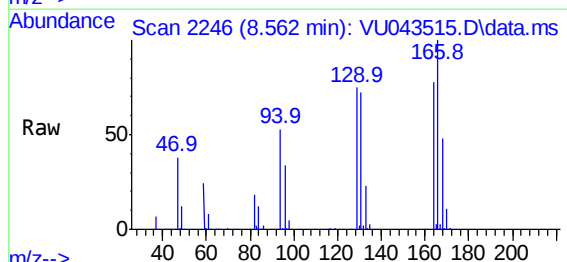
Ion	Ratio	Lower	Upper
43	100		
58	41.3	36.8	55.2
57	22.0	13.2	19.8
100	7.4	6.5	9.7

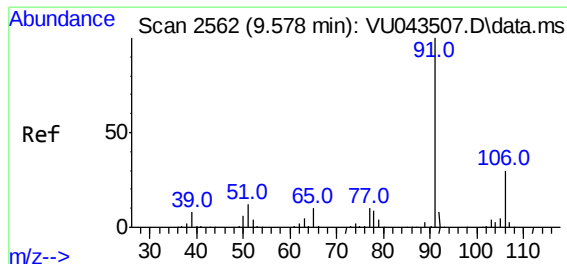


#49
Dibromochloromethane
Concen: 68.48 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 129 Resp: 422931

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.4	97.4

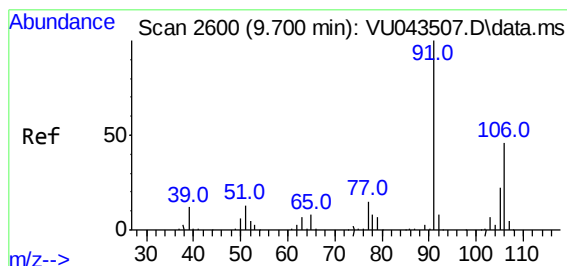
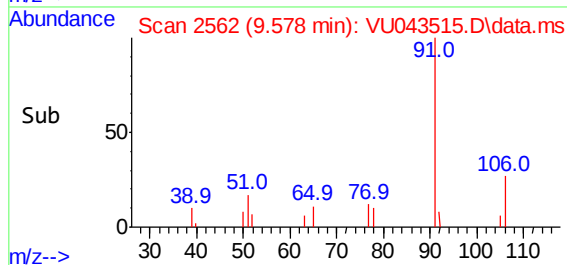
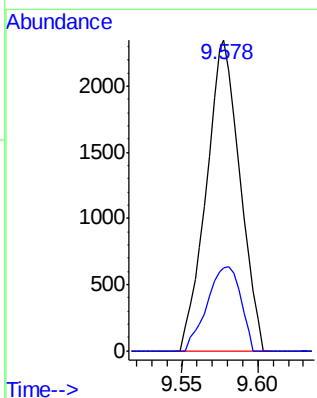
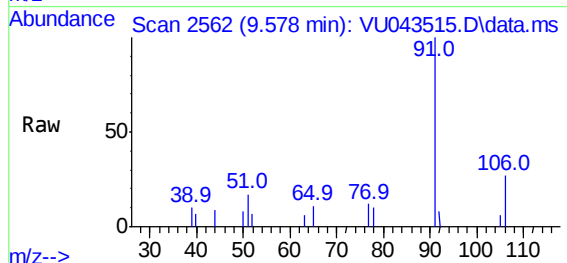




#52
Ethylbenzene
Concen: 0.13 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

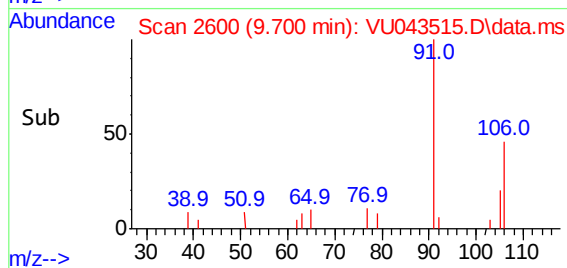
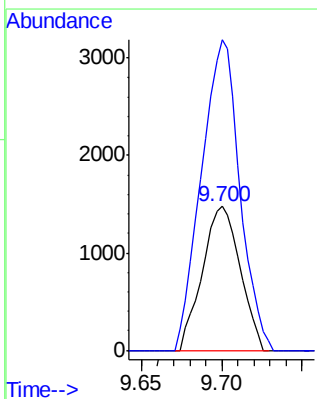
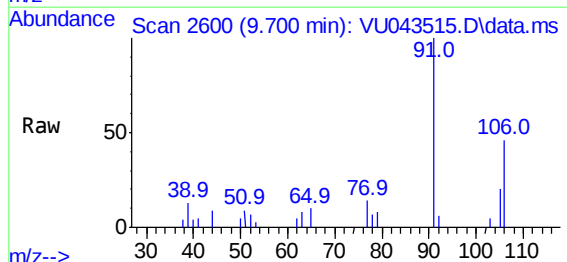
Instrument :
MSVOA_U
ClientSampleId :
GB3H5

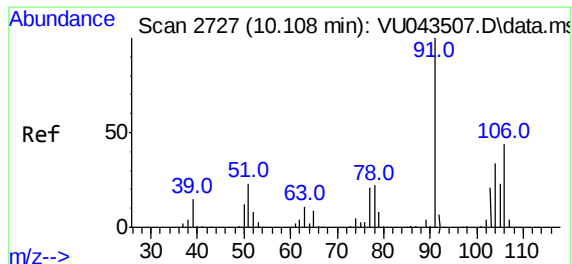
Tgt Ion: 91 Resp: 3593
Ion Ratio Lower Upper
91 100
106 26.8 20.5 38.1



#53
m,p-Xylene
Concen: 0.24 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion: 106 Resp: 2362
Ion Ratio Lower Upper
106 100
91 216.1 150.3 279.1

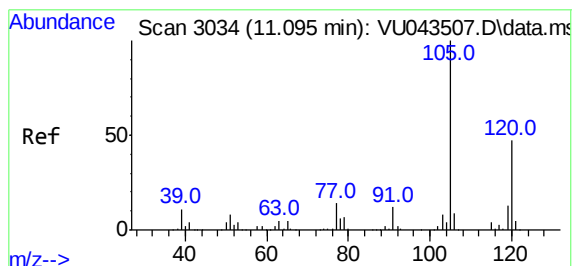
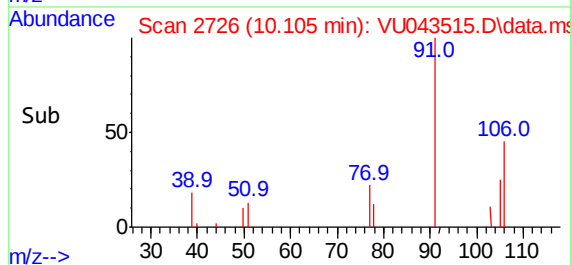
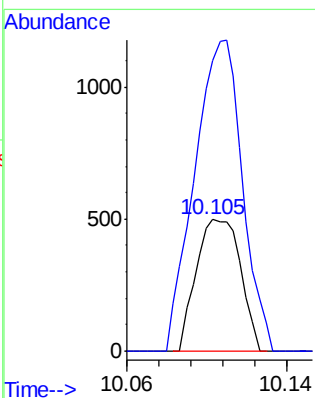
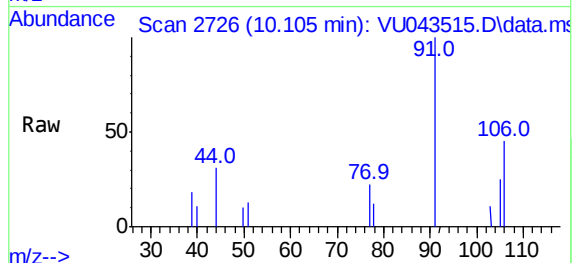




#54
o-Xylene
Concen: 0.08 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

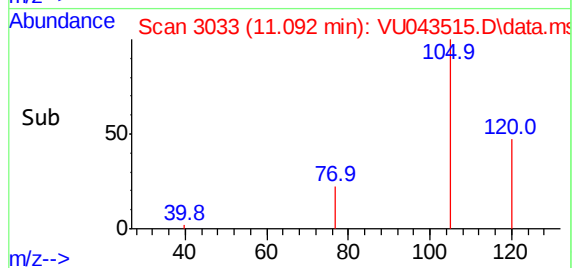
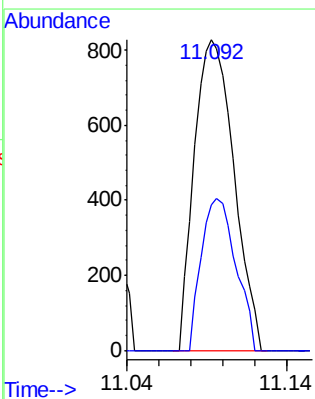
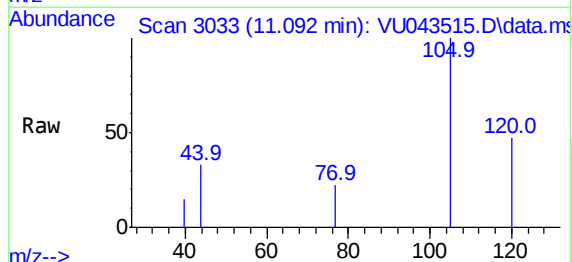
Instrument :
MSVOA_U
ClientSampleId :
GB3H5

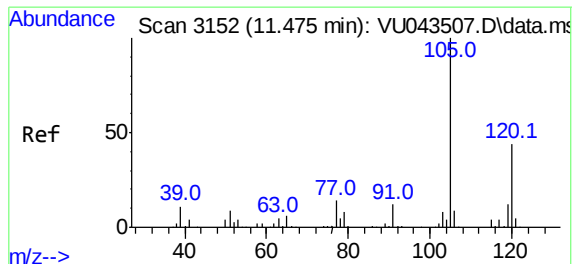
Tgt Ion:106 Resp: 741
Ion Ratio Lower Upper
106 100
91 221.3 157.3 292.1



#62
1,3,5-Trimethylbenzene
Concen: 0.07 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion:105 Resp: 1347
Ion Ratio Lower Upper
105 100
120 42.5 36.6 55.0

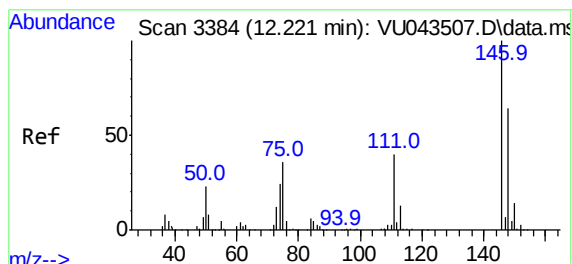
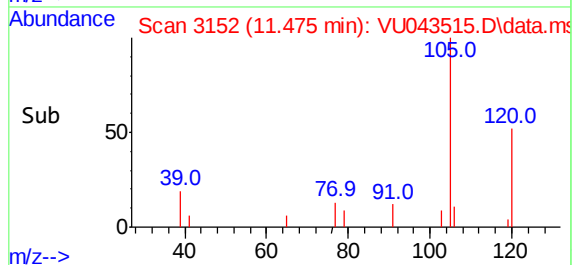
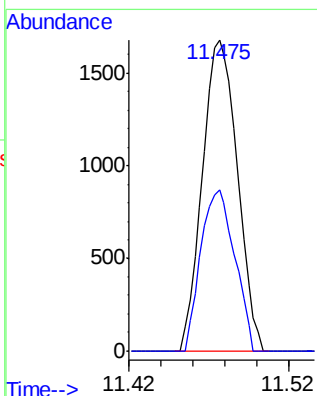
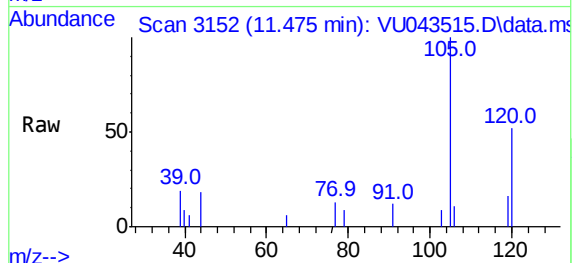




#63
1,2,4-Trimethylbenzene
Concen: 0.15 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

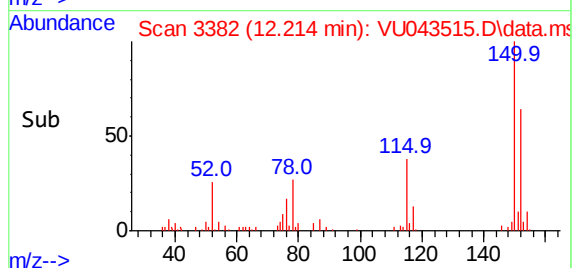
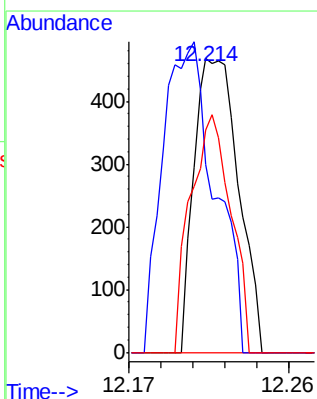
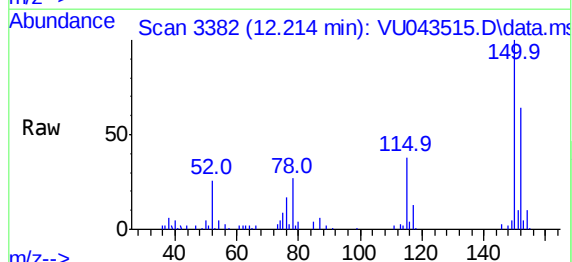
Instrument :
MSVOA_U
ClientSampleId :
GB3H5

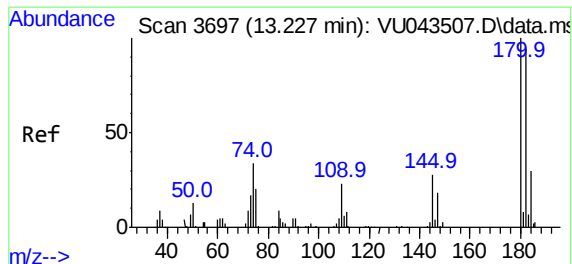
Tgt Ion:105 Resp: 2680
Ion Ratio Lower Upper
105 100
120 50.1 35.4 53.0



#67
1,2-Dichlorobenzene
Concen: 0.06 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.007 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion:146 Resp: 749
Ion Ratio Lower Upper
146 100
111 63.8 32.6 49.0#
148 75.7 51.8 77.8

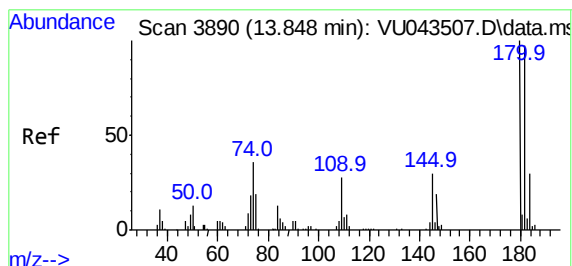
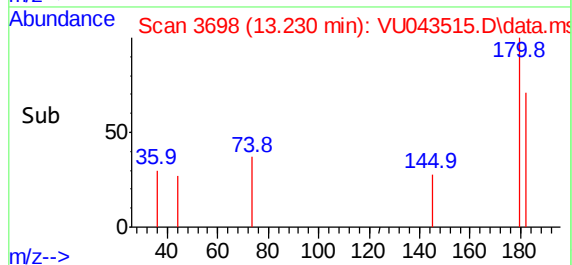
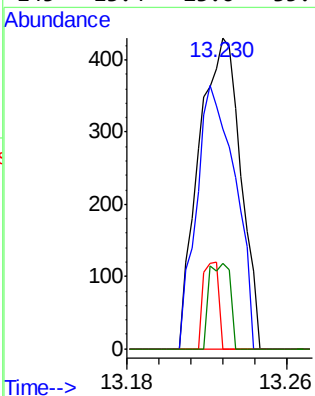
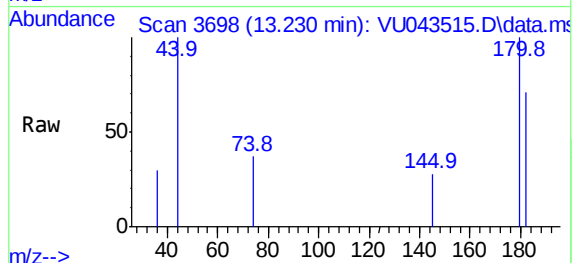




#69
 1,3,5-Trichlorobenzene
 Concen: 0.07 ug/L
 RT: 13.230 min Scan# 3698
 Delta R.T. 0.003 min
 Lab File: VU043515.D
 Acq: 04 May 2021 12:37

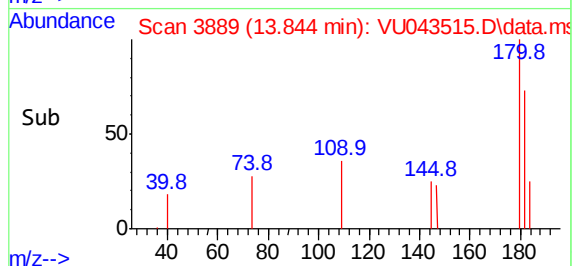
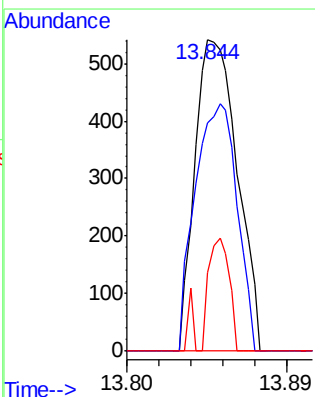
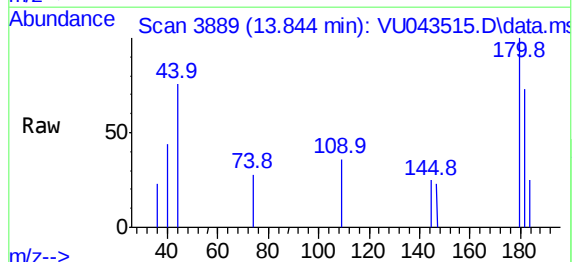
Instrument :
 MSVOA_U
 ClientSampleId :
 GB3H5

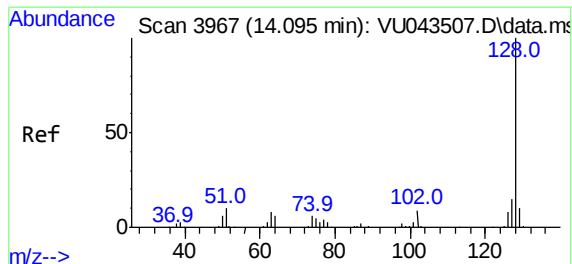
Tgt Ion:180 Resp: 650
 Ion Ratio Lower Upper
 180 100
 182 78.5 76.0 114.0
 184 10.3 24.1 36.1#
 145 13.4 23.6 35.4#



#70
 1,2,4-trichlorobenzene
 Concen: 0.12 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. -0.003 min
 Lab File: VU043515.D
 Acq: 04 May 2021 12:37

Tgt Ion:180 Resp: 877
 Ion Ratio Lower Upper
 180 100
 182 78.6 75.9 113.9
 145 17.3 24.6 37.0#

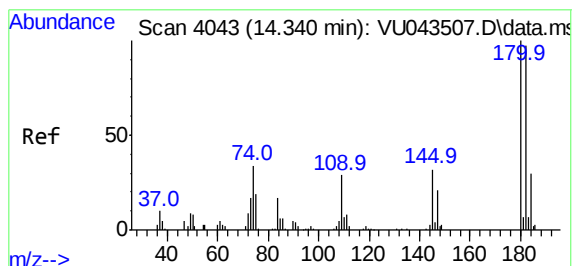
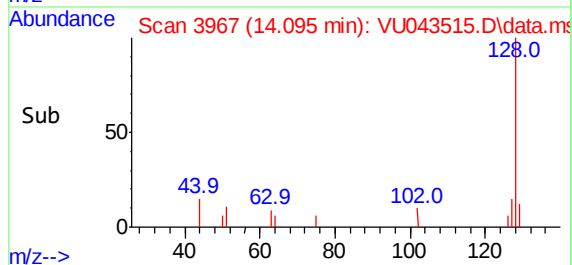
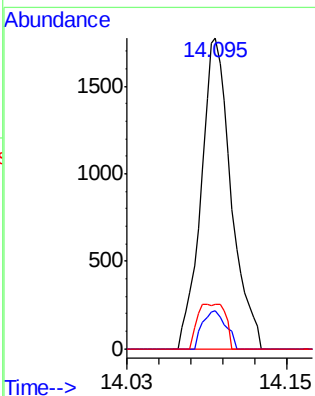
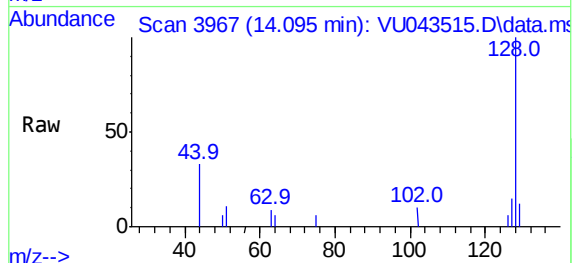




#71
Naphthalene
Concen: 0.22 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. -0.000 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Instrument :
MSVOA_U
ClientSampleId :
GB3H5

Tgt Ion:	128	Resp:	2826
Ion	Ratio	Lower	Upper
128	100		
129	9.6	8.9	13.3
127	13.5	10.6	15.8



#72
1,2,3-Trichlorobenzene
Concen: 0.14 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. -0.003 min
Lab File: VU043515.D
Acq: 04 May 2021 12:37

Tgt Ion:	180	Resp:	1016
Ion	Ratio	Lower	Upper
180	100		
182	72.5	75.7	113.5#
145	12.9	25.7	38.5#

