

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050421\
 Data File : VU043518.D
 Acq On : 04 May 2021 13:48
 Operator : SY/MD
 Sample : M2195-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB3J1

Quant Time: May 05 04:56:19 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	6.259	114	91411	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	92973	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	42136	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	33706	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.916	69	26057	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.571	65	16203	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.636	46	122359	53.62	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.24%
24) Chloroform-d	5.076	84	82816	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.80%
26) 1,2-Dichloroethane-d4	5.713	65	43201	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.735	84	124228	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.700	67	43051	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.906	98	104108	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloroprop...	8.185	79	16110	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.642	63	78822	52.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.64%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	34633	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
66) 1,2-Dichlorobenzene-d4	12.201	152	39627	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%
Target Compounds						Qvalue
3) Chloromethane	1.520	50	804	0.12	ug/L	98
13) Acetone	2.642	43	15626	10.27	ug/L	100
14) Carbon disulfide	2.800	76	4324	0.34	ug/L	96
15) Methyl Acetate	2.964	43	1422	0.41	ug/L #	58
16) Methylene chloride	3.054	84	7012	0.86	ug/L	90
21) 2-Butanone	4.816	43	154181	63.20	ug/L #	55
25) Chloroform	5.099	83	372780	27.63	ug/L	99
27) 1,2-Dichloroethane	5.739	62	928	0.10	ug/L #	78
30) Cyclohexane	5.398	56	1790	0.21	ug/L #	84
33) Benzene	5.780	78	6328	0.26	ug/L	100
34) Trichloroethene	6.549	95	2591	0.41	ug/L	96
35) Methylcyclohexane	6.771	83	2561	0.32	ug/L	87
37) 1,2-Dichloropropane	6.700	63	4884	0.67	ug/L #	90
39) cis-1,3-Dichloropropene	7.574	75	1465	0.15	ug/L #	44
42) Toluene	7.976	91	18754	0.73	ug/L	99
45) 1,1,2-Trichloroethane	8.558	97	1092	0.22	ug/L #	19
47) Tetrachloroethene	8.562	164	114291	24.81	ug/L	98
48) 2-Hexanone	8.693	43	5429	1.22	ug/L #	93
49) Dibromochloromethane	8.562	129	107665	17.63	ug/L #	12
52) Ethylbenzene	9.578	91	6316	0.23	ug/L	95

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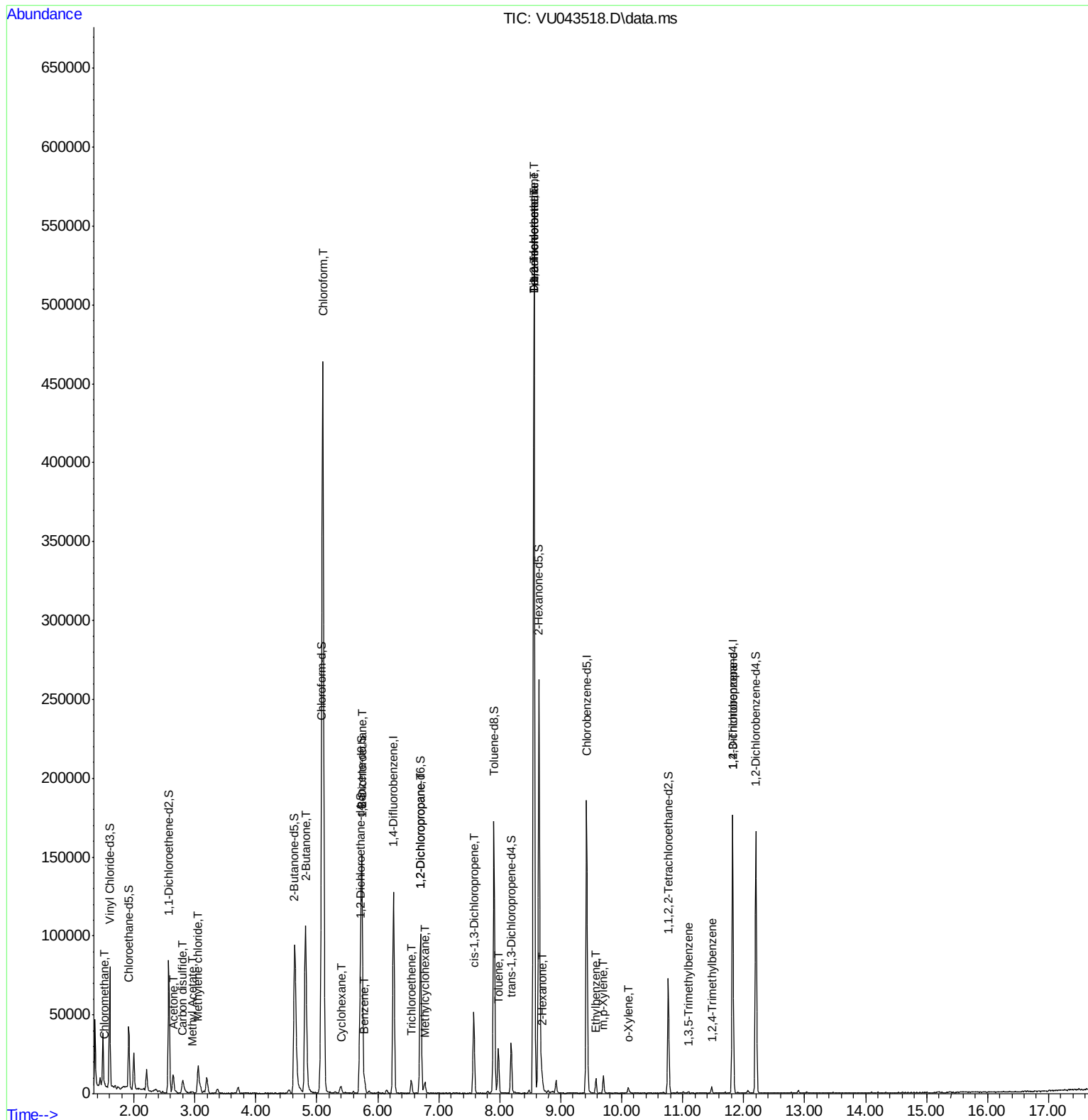
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.700	106	2784	0.28	ug/L	95
54) o-Xylene	10.105	106	991	0.10	ug/L	93
61) 1,2,3-Trichloropropane	11.819	75	5914	1.39	ug/L #	67
62) 1,3,5-Trimethylbenzene	11.089	105	829	0.05	ug/L	96
63) 1,2,4-Trimethylbenzene	11.475	105	2129	0.12	ug/L	99

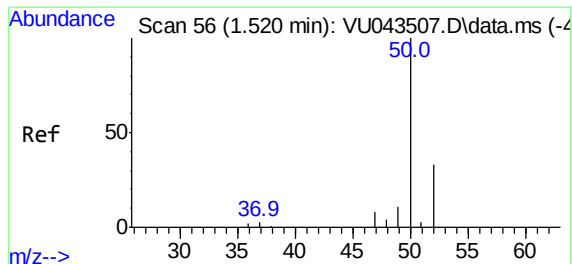
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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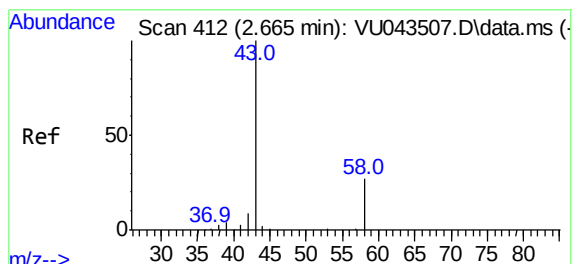
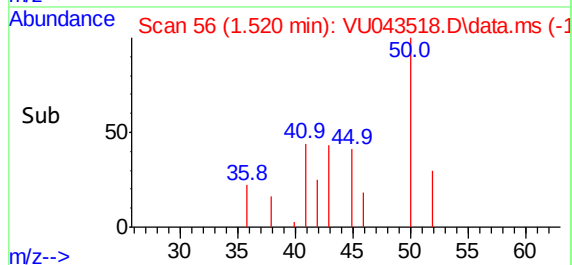
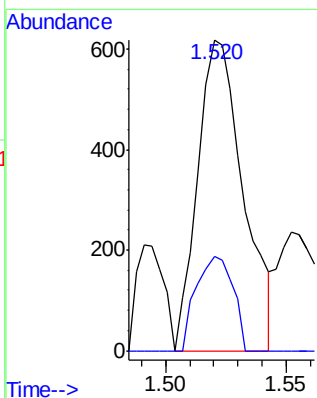
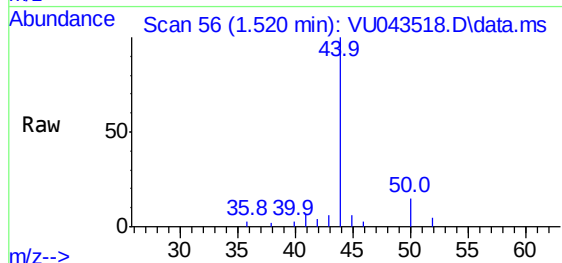




#3
Chloromethane
Concen: 0.12 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

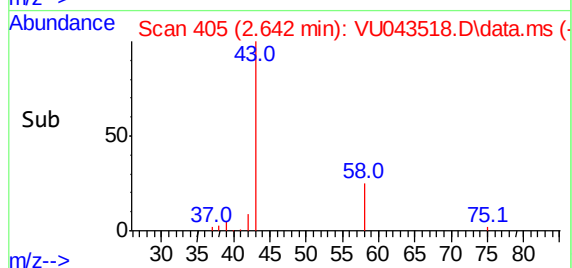
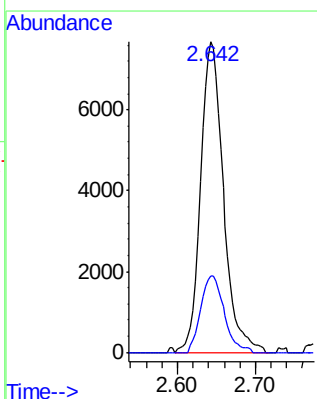
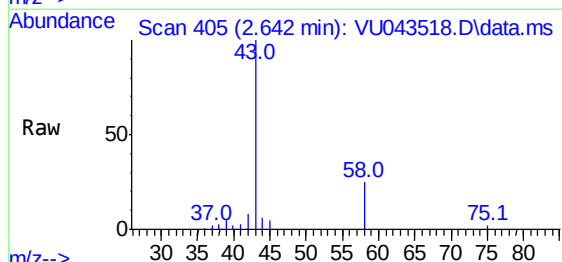
Instrument :
MSVOA_U
ClientSampleId :
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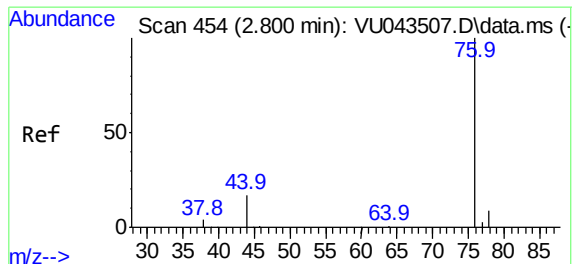
Tgt Ion: 50 Resp: 804
Ion Ratio Lower Upper
50 100
52 30.3 22.1 41.1



#13
Acetone
Concen: 10.27 ug/L
RT: 2.642 min Scan# 405
Delta R.T. -0.023 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 43 Resp: 15626
Ion Ratio Lower Upper
43 100
58 25.5 0.0 50.8

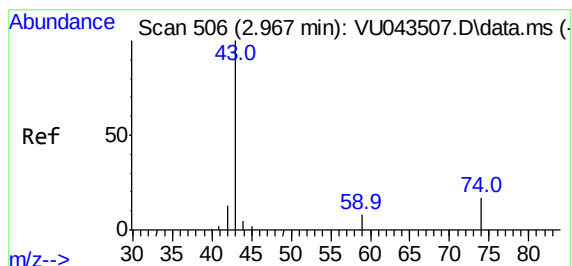
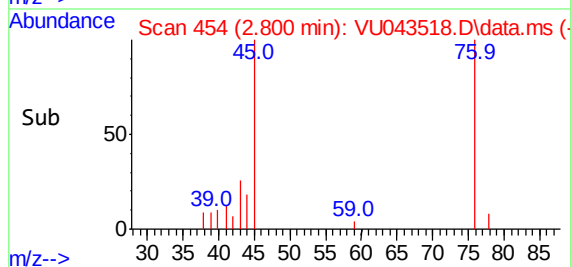
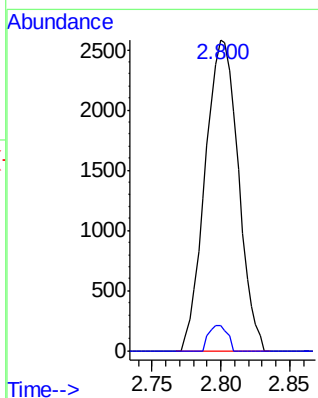
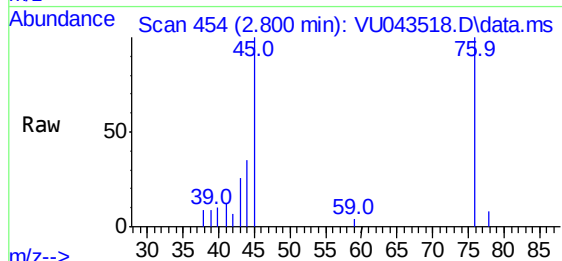




#14
Carbon disulfide
Concen: 0.34 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

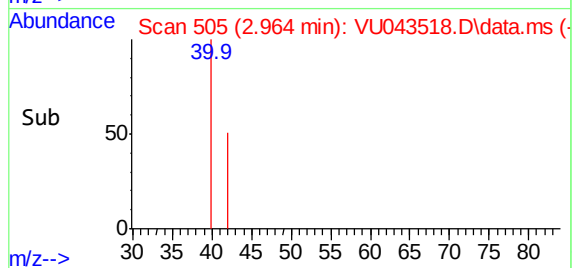
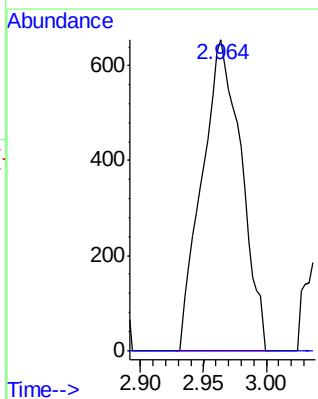
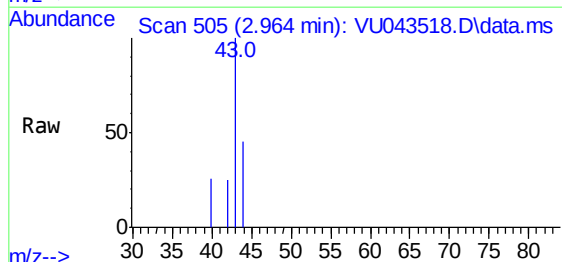
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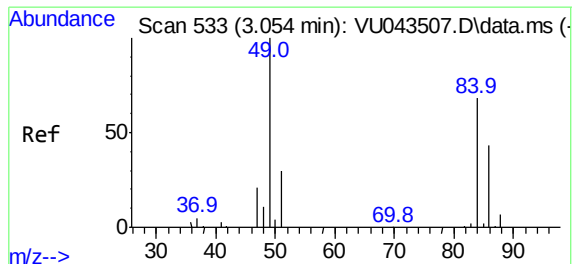
Tgt Ion: 76 Resp: 4324
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.2



#15
Methyl Acetate
Concen: 0.41 ug/L
RT: 2.964 min Scan# 505
Delta R.T. -0.003 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 43 Resp: 1422
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#

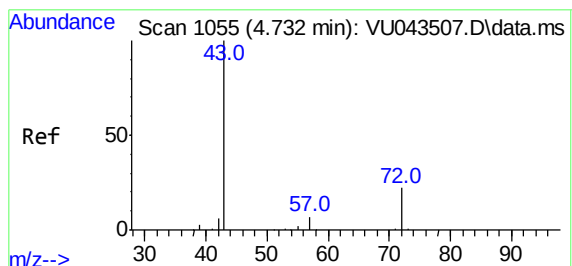
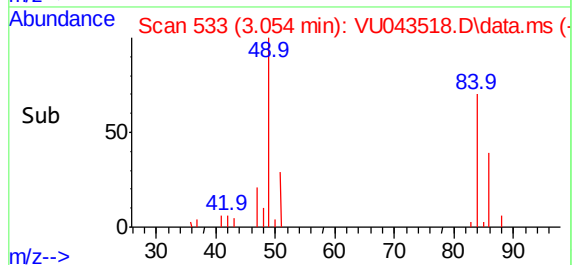
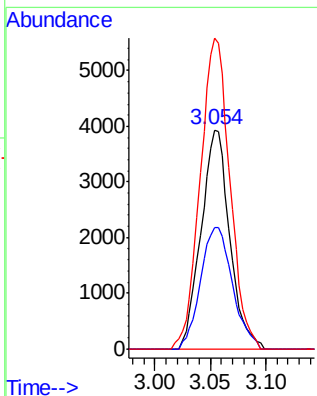
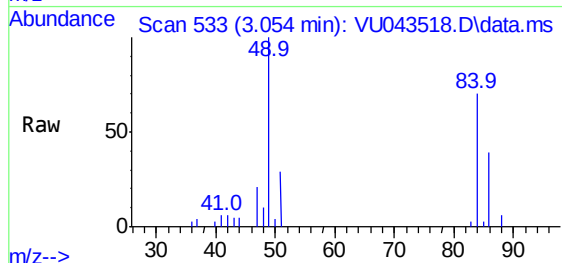




#16
Methylene chloride
Concen: 0.86 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

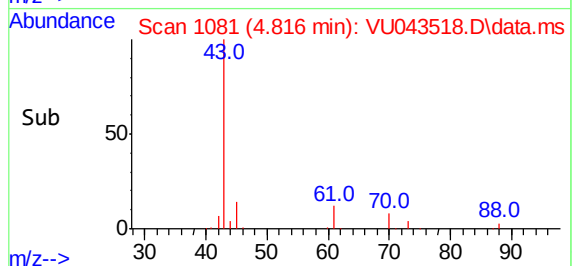
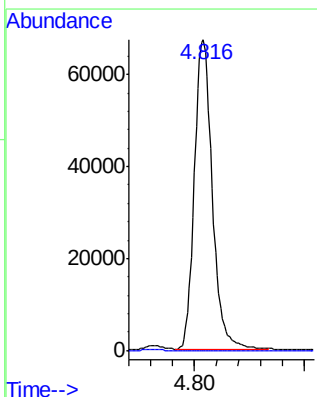
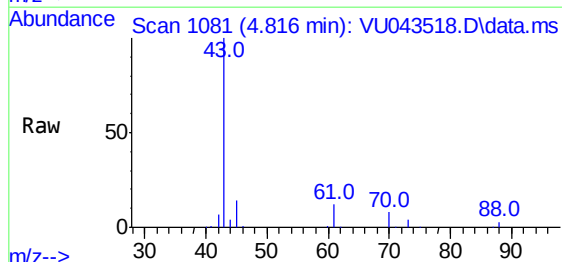
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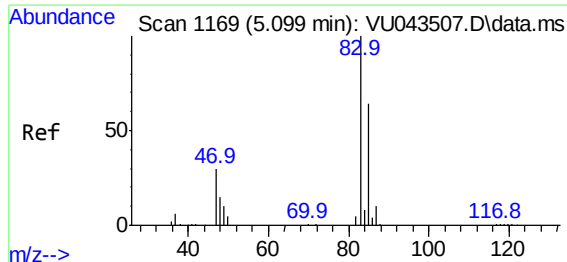
Tgt Ion: 84 Resp: 7012
Ion Ratio Lower Upper
84 100
86 55.6 45.6 84.6
49 142.1 107.0 198.8



#21
2-Butanone
Concen: 63.20 ug/L
RT: 4.816 min Scan# 1081
Delta R.T. 0.083 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 43 Resp: 154181
Ion Ratio Lower Upper
43 100
72 0.3 10.8 32.4#

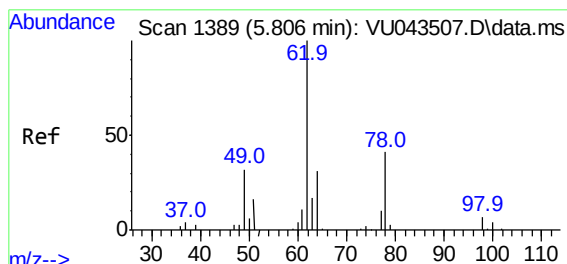
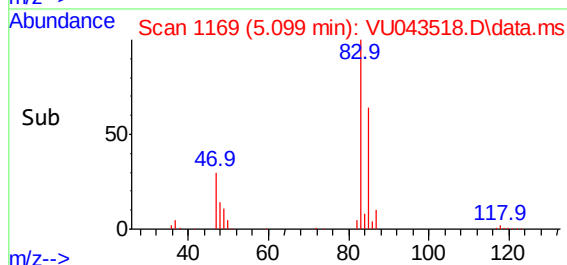
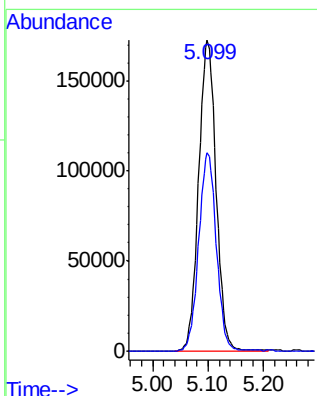
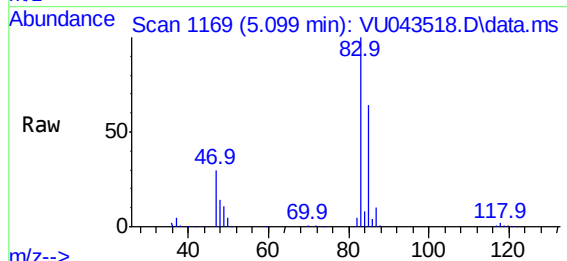




#25
Chloroform
Concen: 27.63 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

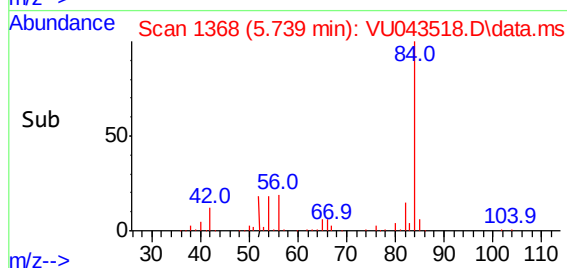
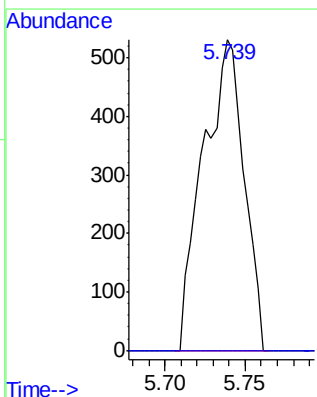
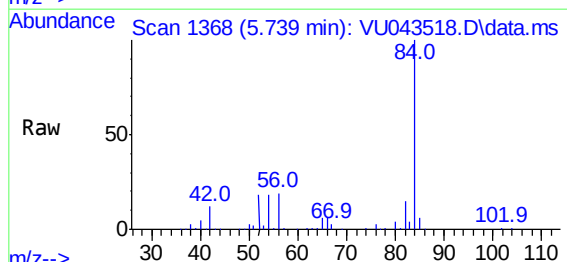
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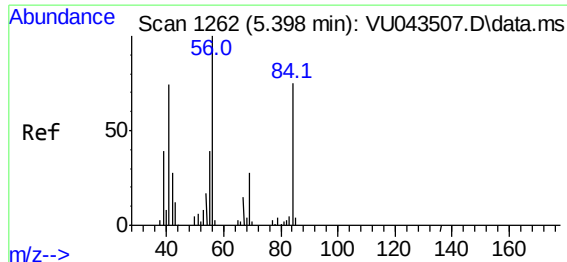
Tgt Ion: 83 Resp: 372780
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.10 ug/L
RT: 5.739 min Scan# 1368
Delta R.T. -0.068 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 62 Resp: 928
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#

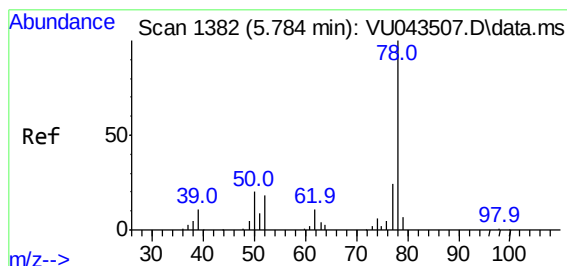
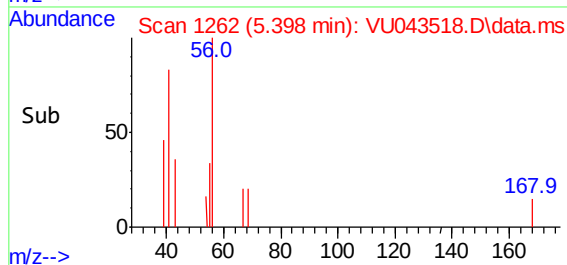
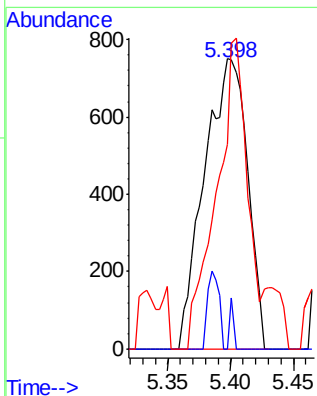
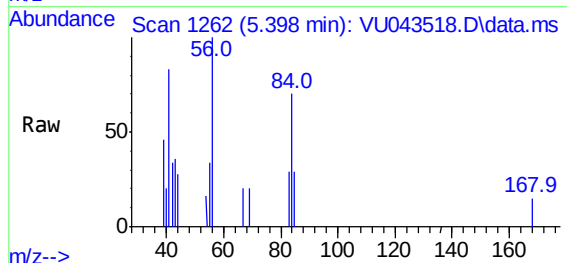




#30
Cyclohexane
Concen: 0.21 ug/L
RT: 5.398 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

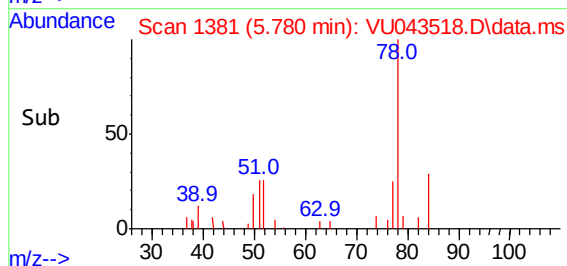
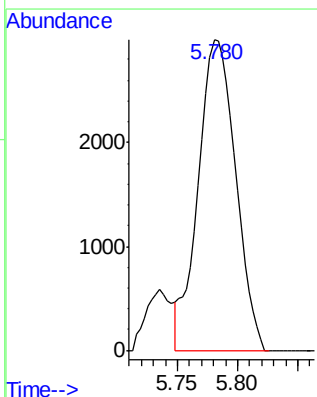
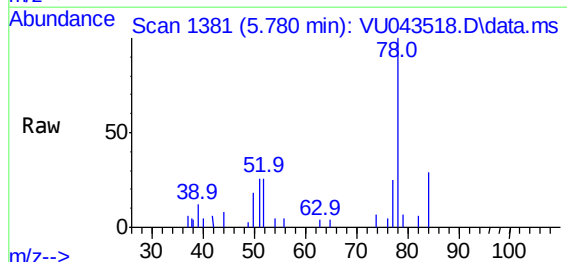
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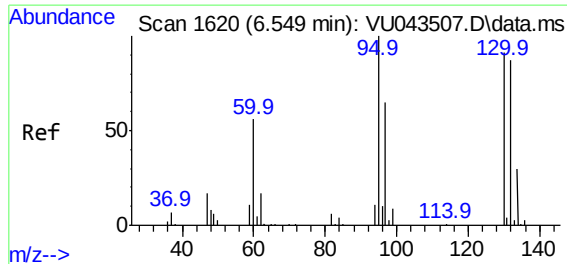
Tgt Ion: 56 Resp: 1790
Ion Ratio Lower Upper
56 100
69 1.5 23.0 34.4#
84 77.4 60.3 90.5



#33
Benzene
Concen: 0.26 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 78 Resp: 6328





#34

Trichloroethene

Concen: 0.41 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VU043518.D

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Instrument :

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Tgt Ion: 95 Resp: 2591

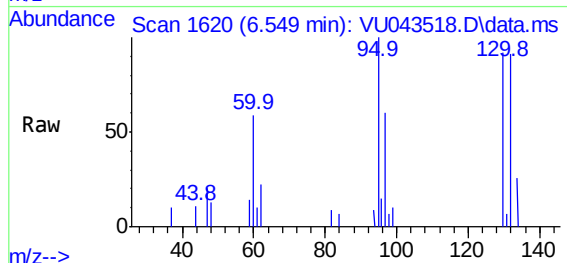
Ion Ratio Lower Upper

95 100

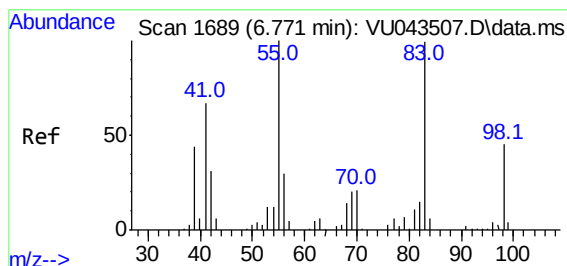
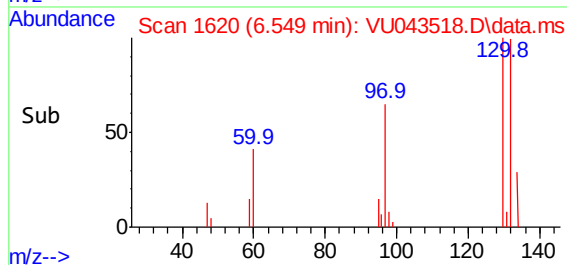
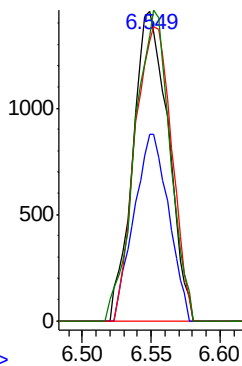
97 60.1 46.5 86.5

132 90.6 64.1 119.1

130 91.9 67.3 125.1



Abundance



#35

Methylcyclohexane

Concen: 0.32 ug/L

RT: 6.771 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VU043518.D

Acq: 04 May 2021 13:48

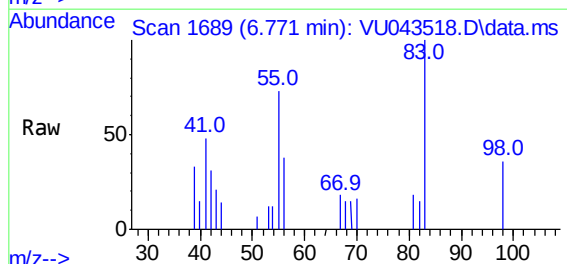
Tgt Ion: 83 Resp: 2561

Ion Ratio Lower Upper

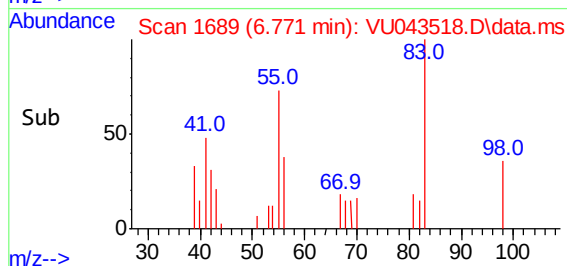
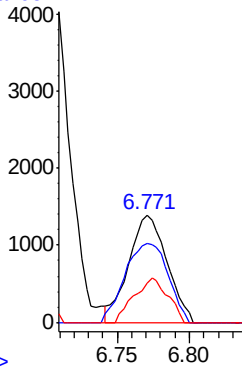
83 100

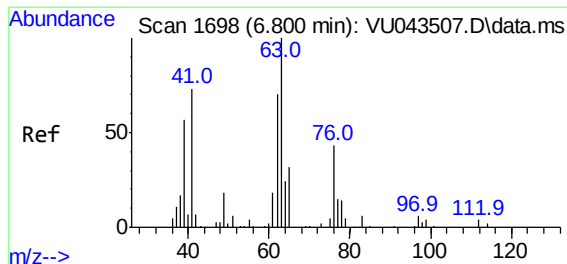
55 82.7 75.8 113.8

98 36.1 35.5 53.3



Abundance

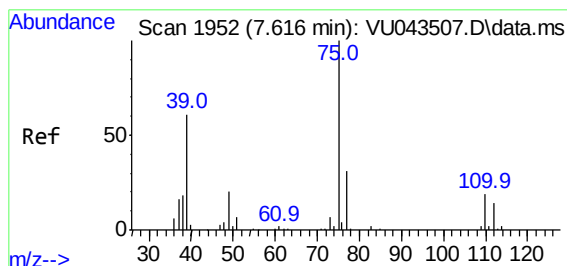
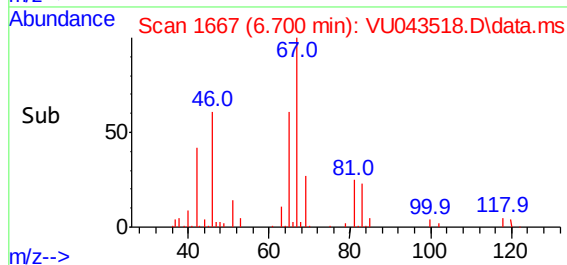
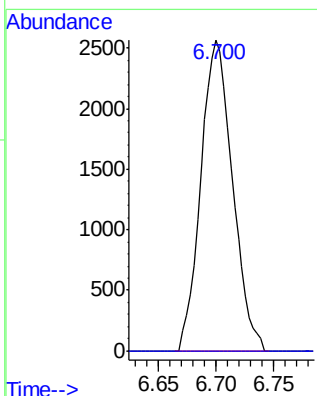
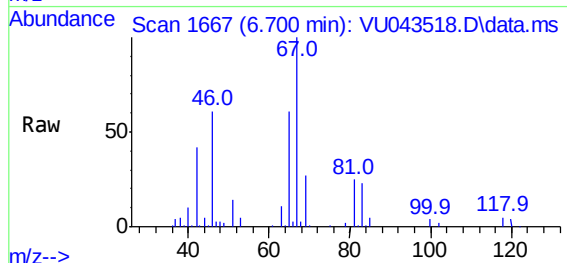




#37
1,2-Dichloropropane
Concen: 0.67 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

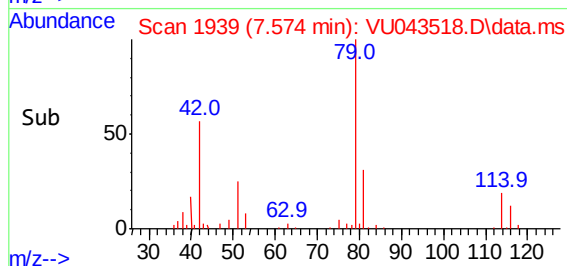
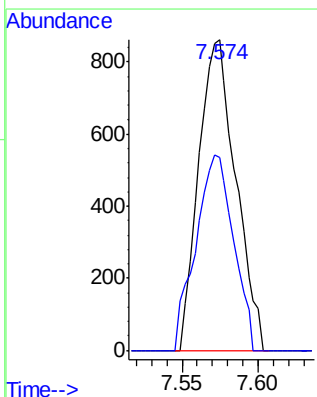
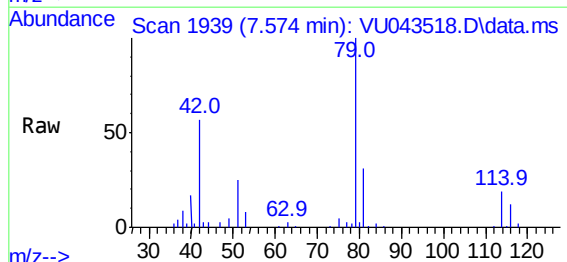
Instrument :
MSVOA_U
ClientSampleId :
GB3J1

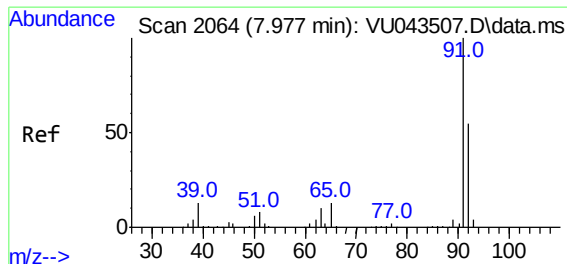
Tgt Ion: 63 Resp: 4884
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



#39
cis-1,3-Dichloropropene
Concen: 0.15 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 75 Resp: 1465
Ion Ratio Lower Upper
75 100
77 62.3 21.9 40.7#

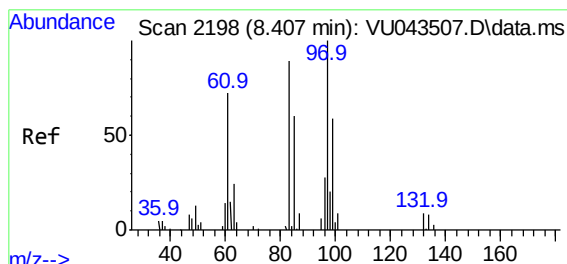
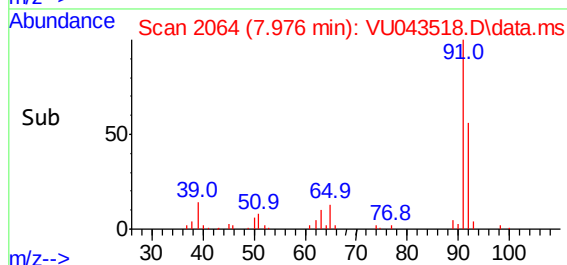
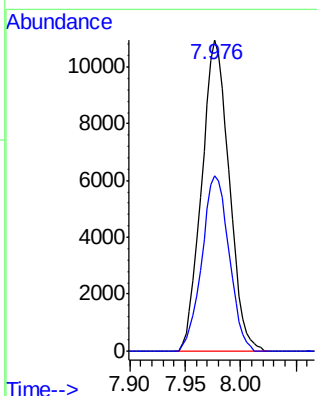
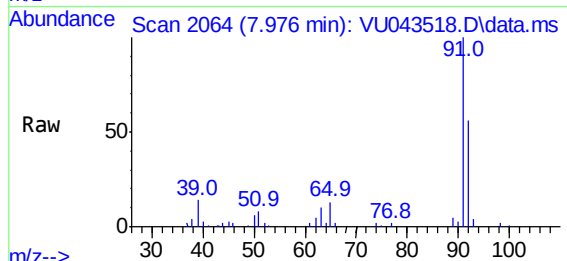




#42
Toluene
Concen: 0.73 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

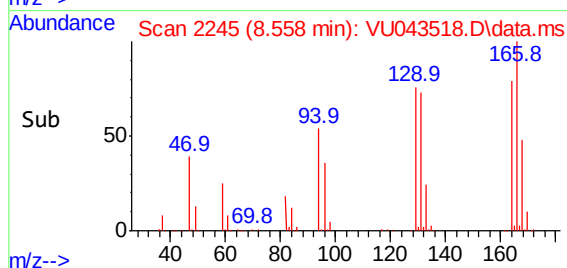
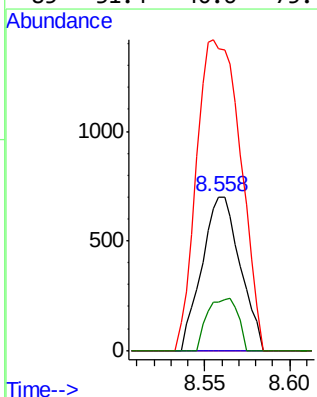
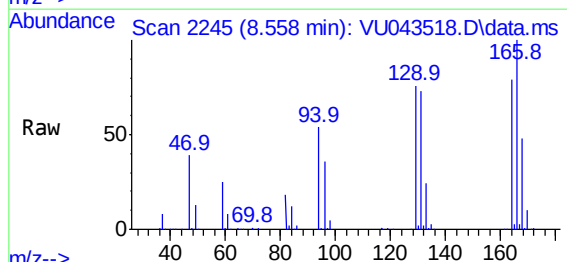
Instrument :
MSVOA_U
ClientSampleId :
GB3J1

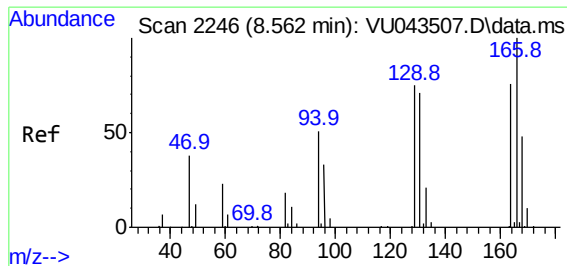
Tgt Ion: 91 Resp: 18754
Ion Ratio Lower Upper
91 100
92 56.2 39.1 72.5



#45
1,1,2-Trichloroethane
Concen: 0.22 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.151 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 97 Resp: 1092
Ion Ratio Lower Upper
97 100
99 0.0 42.6 79.0#
83 196.9 64.1 119.1#
85 31.4 40.6 75.4#

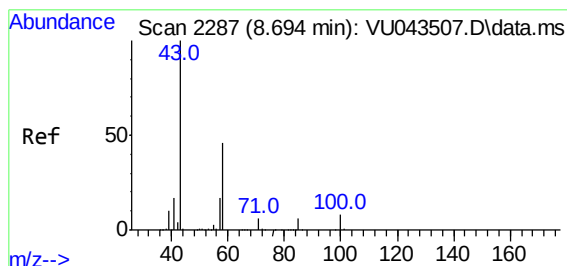
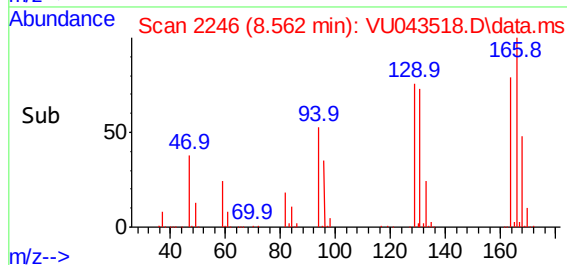
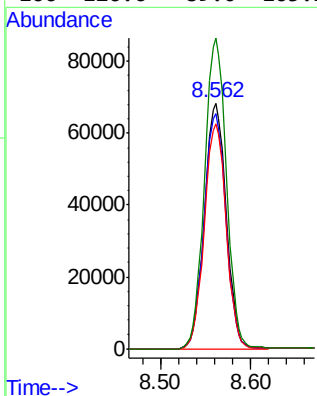
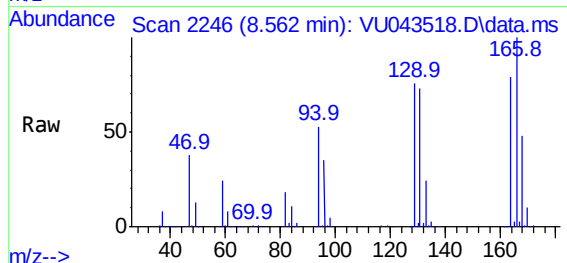




#47
Tetrachloroethene
Concen: 24.81 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

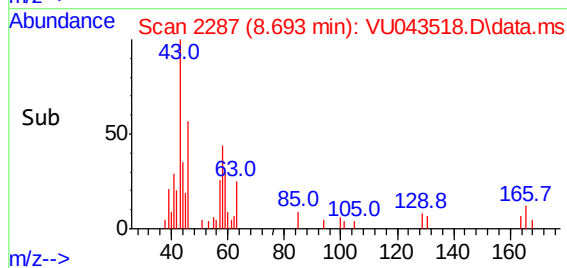
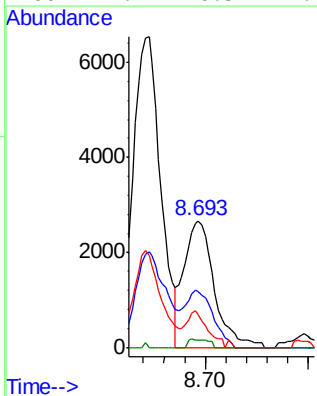
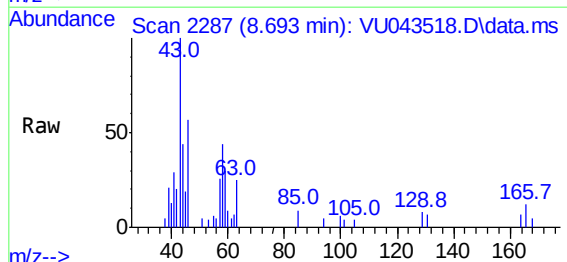
Instrument :
MSVOA_U
ClientSampleID :
GB3J1

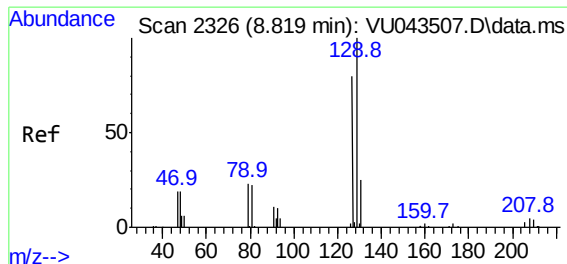
Tgt Ion:164 Resp: 114291
Ion Ratio Lower Upper
164 100
129 95.6 62.5 116.1
131 91.9 64.9 120.5
166 126.6 89.0 165.2



#48
2-Hexanone
Concen: 1.22 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 43 Resp: 5429
Ion Ratio Lower Upper
43 100
58 41.9 36.8 55.2
57 19.3 13.2 19.8
100 4.2 6.5 9.7#

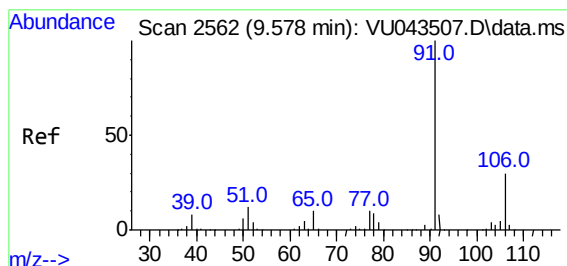
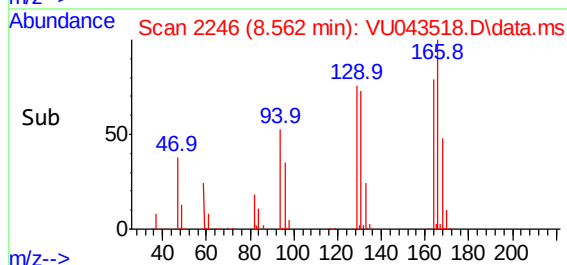
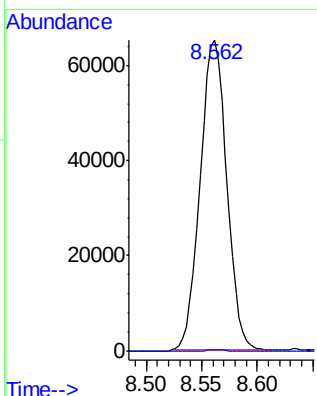
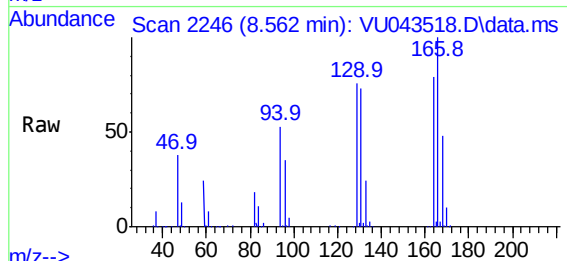




#49
Dibromochloromethane
Concen: 17.63 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

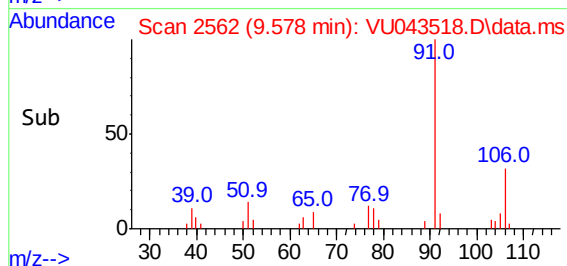
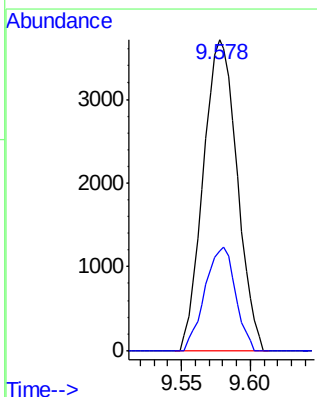
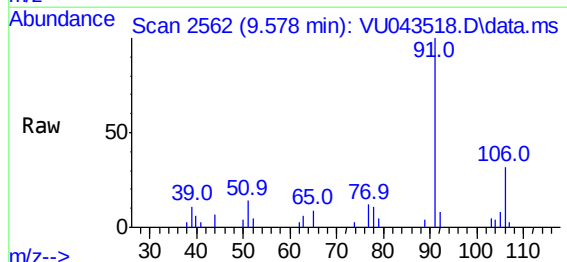
Instrument :
MSVOA_U
ClientSampleId :
GB3J1

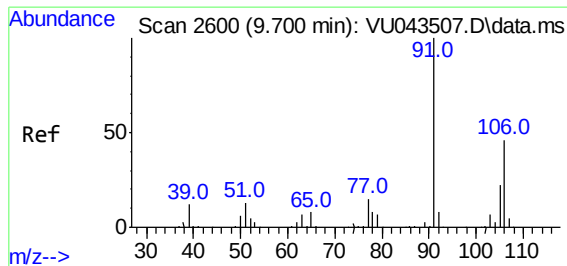
Tgt Ion:129 Resp: 107665
Ion Ratio Lower Upper
129 100
127 0.3 52.4 97.4#



#52
Ethylbenzene
Concen: 0.23 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 91 Resp: 6316
Ion Ratio Lower Upper
91 100
106 32.2 20.5 38.1

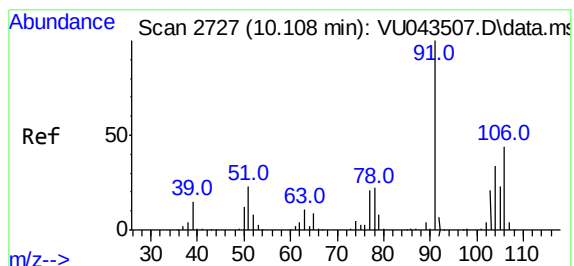
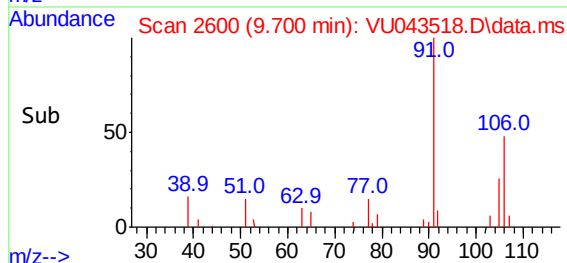
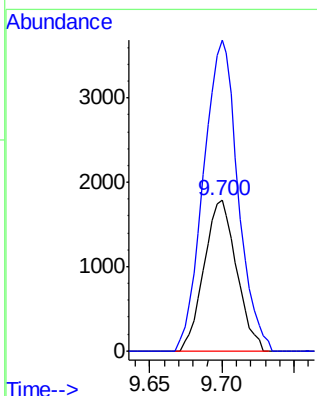
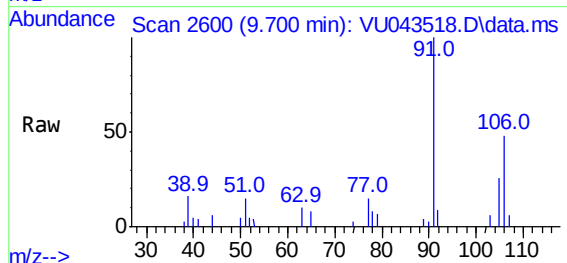




#53
m,p-Xylene
Concen: 0.28 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

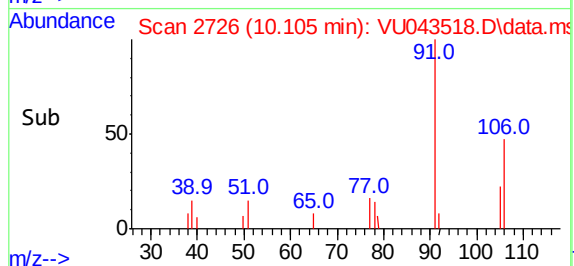
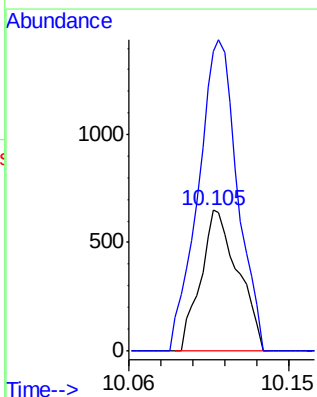
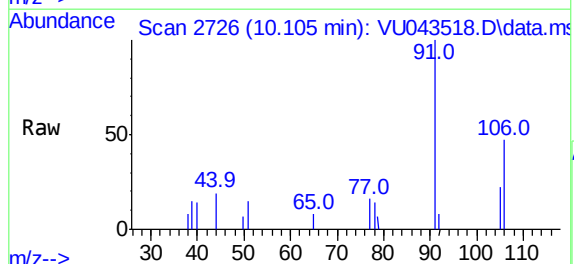
Instrument :
MSVOA_U
ClientSampleId :
GB3J1

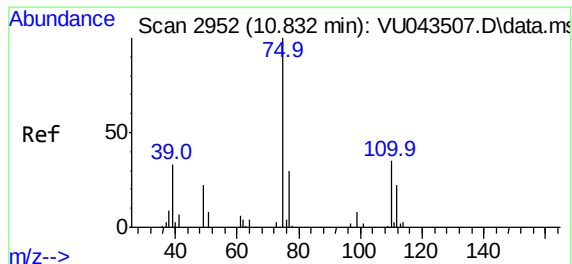
Tgt Ion:106 Resp: 2784
Ion Ratio Lower Upper
106 100
91 206.8 150.3 279.1



#54
o-Xylene
Concen: 0.10 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion:106 Resp: 991
Ion Ratio Lower Upper
106 100
91 212.9 157.3 292.1

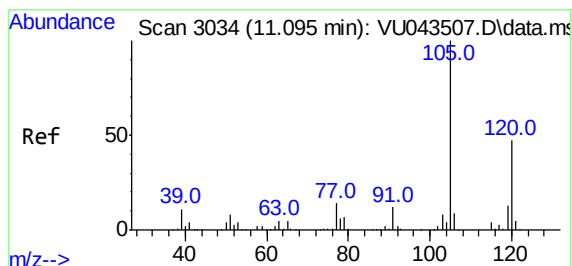
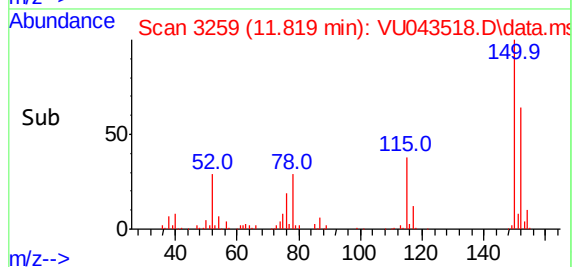
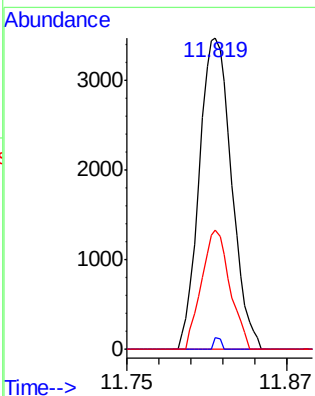
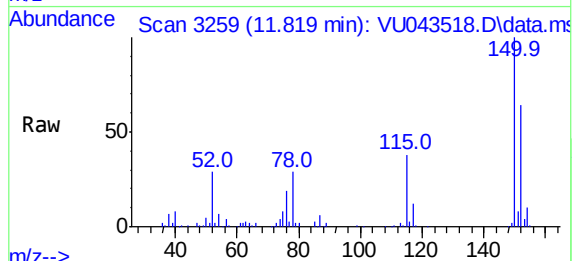




#61
1,2,3-Trichloropropane
Concen: 1.39 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

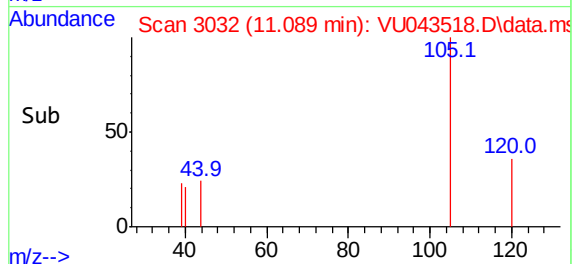
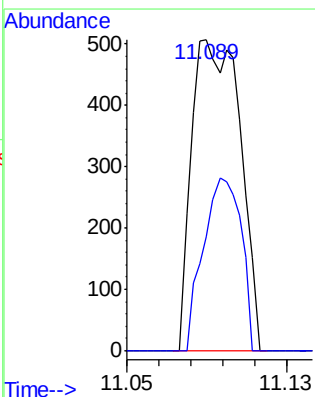
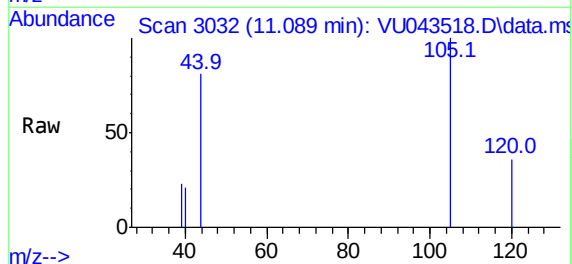
Instrument :
MSVOA_U
ClientSampleId :
GB3J1

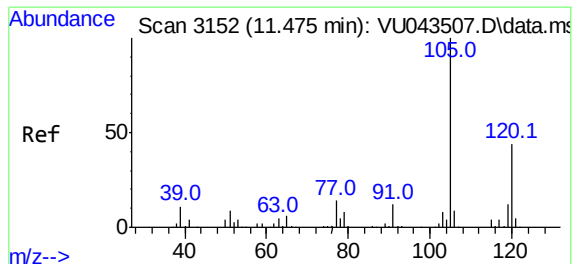
Tgt Ion: 75 Resp: 5914
Ion Ratio Lower Upper
75 100
110 0.7 28.6 42.8#
77 33.5 25.7 38.5



#62
1,3,5-Trimethylbenzene
Concen: 0.05 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.007 min
Lab File: VU043518.D
Acq: 04 May 2021 13:48

Tgt Ion: 105 Resp: 829
Ion Ratio Lower Upper
105 100
120 43.4 36.6 55.0





#63
 1,2,4-Trimethylbenzene
 Concen: 0.12 ug/L
 RT: 11.475 min Scan# 3152
 Delta R.T. -0.000 min
 Lab File: VU043518.D
 Acq: 04 May 2021 13:48

Instrument :
 MSVOA_U
 ClientSampleId :
 GB3J1

Tgt Ion:105 Resp: 2129
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.4 53.0

