

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050421\
 Data File : VU043519.D
 Acq On : 04 May 2021 14:10
 Operator : SY/MD
 Sample : M2195-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB3J2

Quant Time: May 05 04:56:49 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	100124	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	101194	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	48228	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	30084	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.916	69	25087	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.572	65	15178	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	4.636	46	120396	48.17	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.34%
24) Chloroform-d	5.073	84	64797	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.713	65	41371	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.736	84	118141	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.700	67	42305	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.906	98	101420	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloroprop...	8.186	79	16330	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.642	63	84086	51.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.54%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	33908	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
66) 1,2-Dichlorobenzene-d4	12.202	152	39434	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds						Qvalue
3) Chloromethane	1.520	50	932	0.13	ug/L	99
13) Acetone	2.639	43	10115	6.07	ug/L	99
14) Carbon disulfide	2.797	76	995	0.07	ug/L #	74
16) Methylene chloride	3.057	84	1056	0.12	ug/L	78
25) Chloroform	5.099	83	2056	0.14	ug/L	84
27) 1,2-Dichloroethane	5.736	62	776	0.08	ug/L #	78
30) Cyclohexane	5.405	56	455	0.05	ug/L #	21
33) Benzene	5.784	78	3313	0.12	ug/L	100
34) Trichloroethene	6.549	95	5065	0.74	ug/L	98
35) Methylcyclohexane	6.771	83	1207	0.14	ug/L	89
37) 1,2-Dichloropropane	6.700	63	5205	0.65	ug/L #	90
39) cis-1,3-Dichloropropene	7.572	75	1191	0.11	ug/L #	52
42) Toluene	7.977	91	9957	0.36	ug/L	95
45) 1,1,2-Trichloroethane	8.562	97	15205	2.77	ug/L #	4
47) Tetrachloroethene	8.562	164	1504546	300.03	ug/L	96
49) Dibromochloromethane	8.562	129	1446117	217.53	ug/L #	12
52) Ethylbenzene	9.575	91	3922	0.13	ug/L	87
53) m,p-Xylene	9.700	106	1547	0.14	ug/L	93
54) o-Xylene	10.105	106	566	0.05	ug/L	68
61) 1,2,3-Trichloropropane	11.819	75	6152	1.26	ug/L #	71

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed May 05 04:50:58 2021
Response via : Initial Calibration

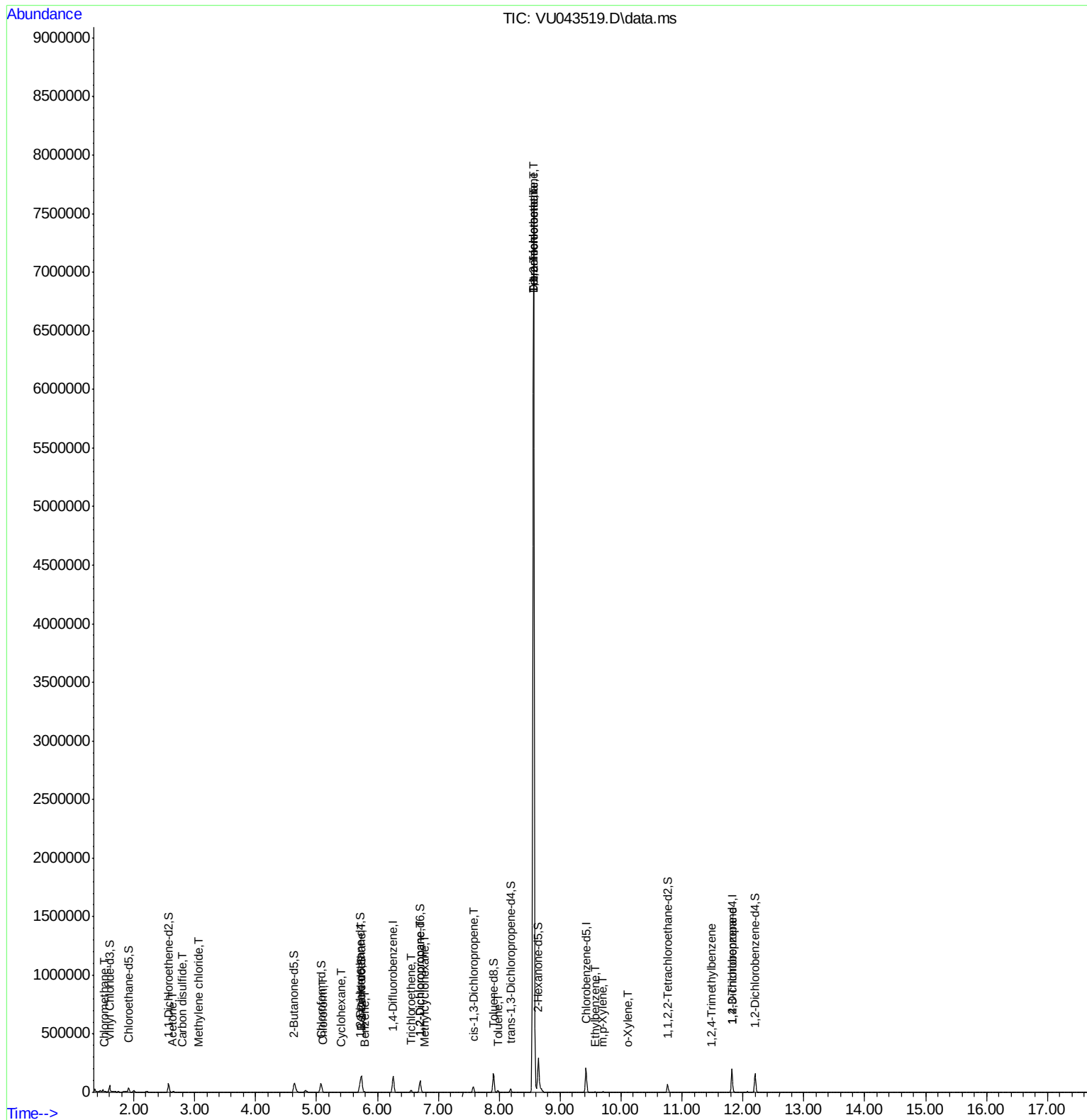
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.475	105	1544	0.07	ug/L	100

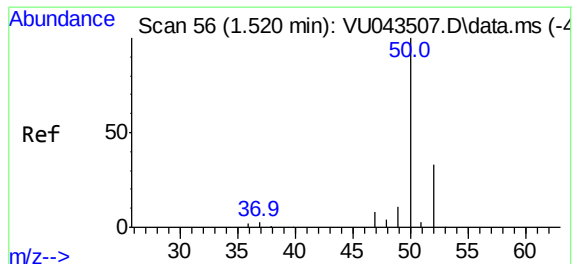
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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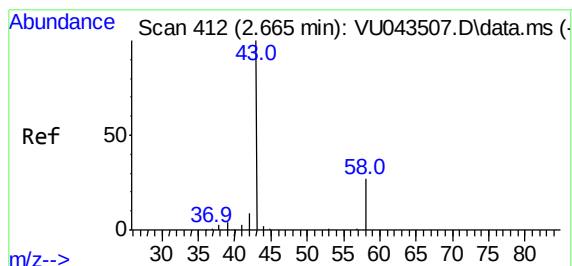
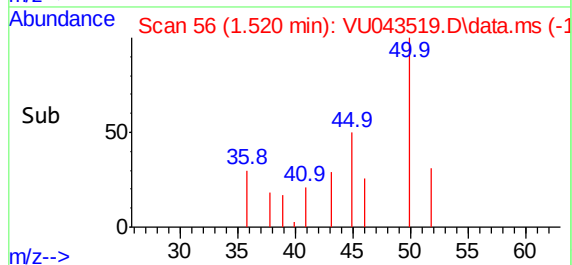
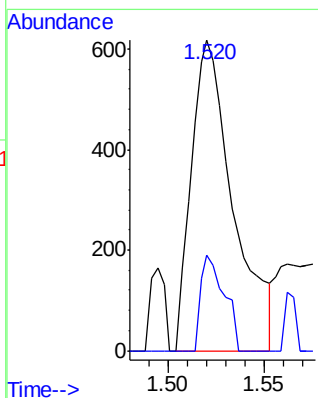
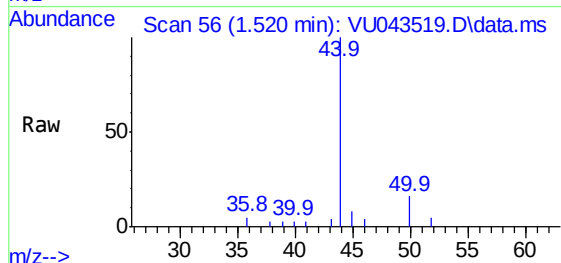




#3
Chloromethane
Concen: 0.13 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

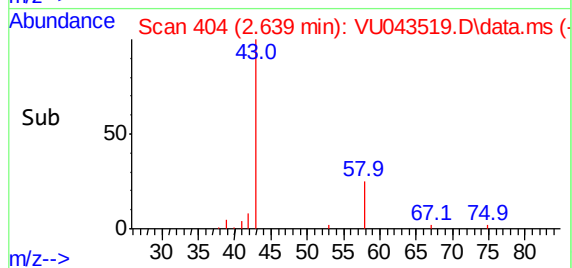
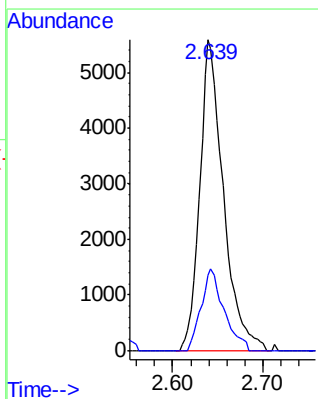
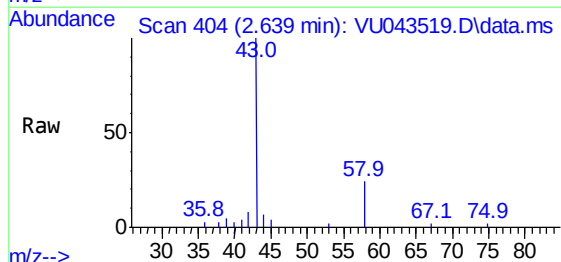
Instrument :
MSVOA_U
ClientSampled :
GB3J2

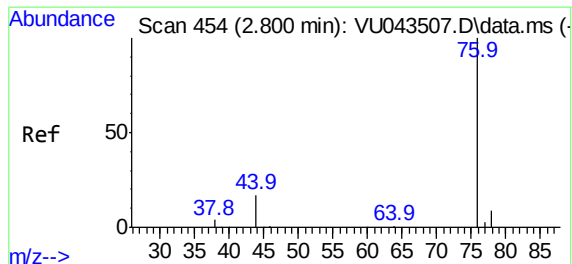
Tgt Ion: 50 Resp: 932
Ion Ratio Lower Upper
50 100
52 30.9 22.1 41.1



#13
Acetone
Concen: 6.07 ug/L
RT: 2.639 min Scan# 404
Delta R.T. -0.026 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

Tgt Ion: 43 Resp: 10115
Ion Ratio Lower Upper
43 100
58 25.1 0.0 50.8

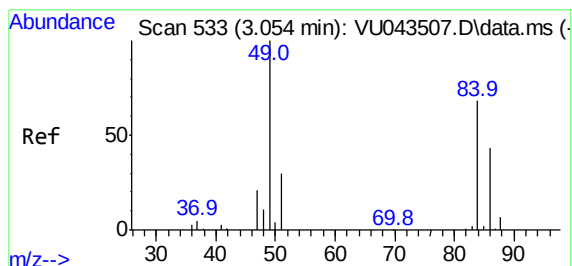
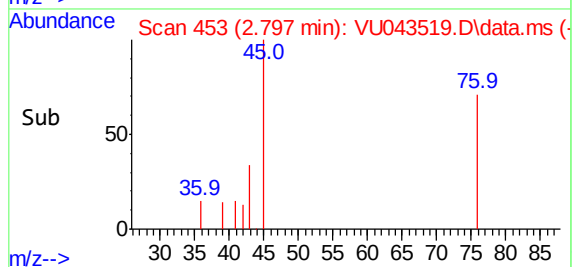
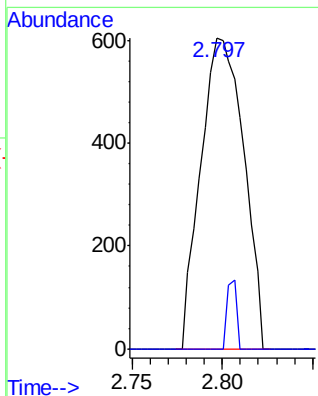
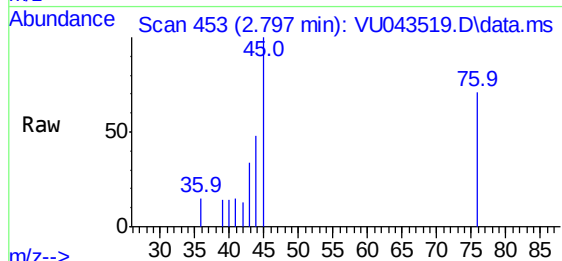




#14
Carbon disulfide
Concen: 0.07 ug/L
RT: 2.797 min Scan# 453
Delta R.T. -0.003 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

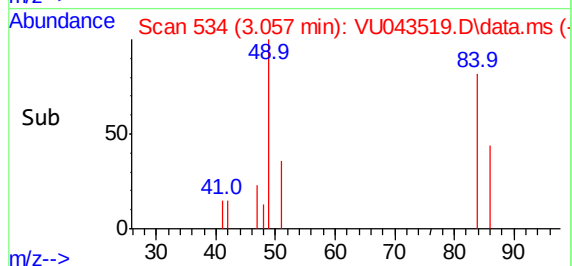
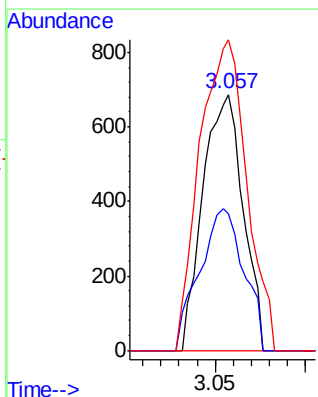
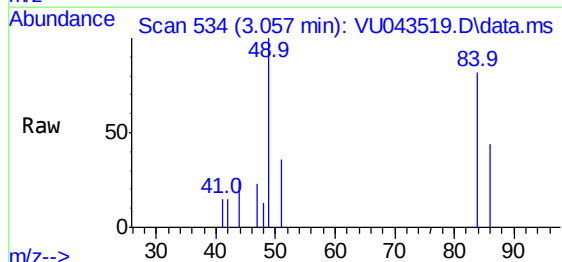
Instrument :
MSVOA_U
ClientSampleId :
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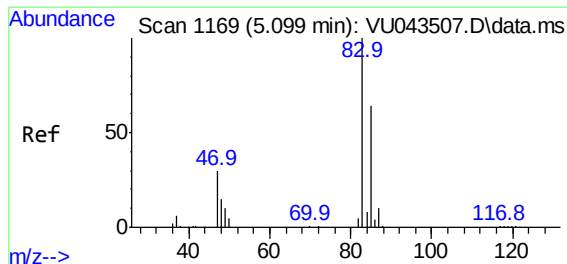
Tgt Ion: 76 Resp: 995
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#16
Methylene chloride
Concen: 0.12 ug/L
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

Tgt Ion: 84 Resp: 1056
Ion Ratio Lower Upper
84 100
86 53.3 45.6 84.6
49 121.4 107.0 198.8

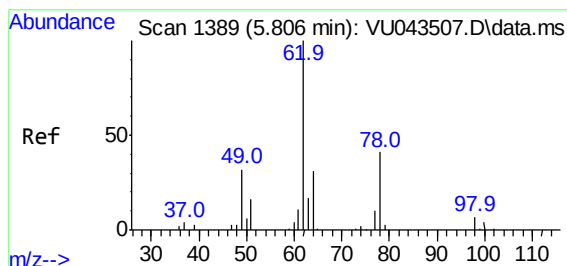
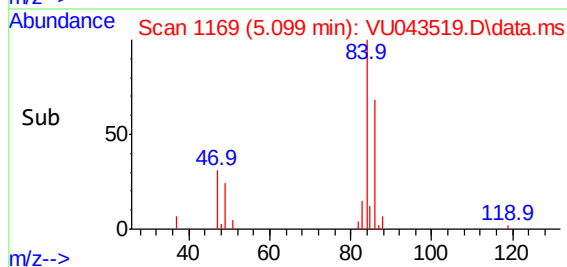
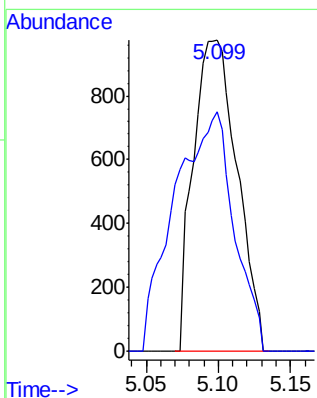
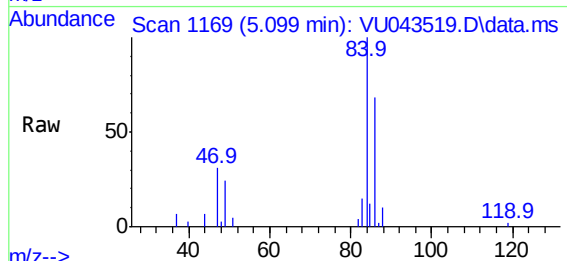




#25
Chloroform
Concen: 0.14 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

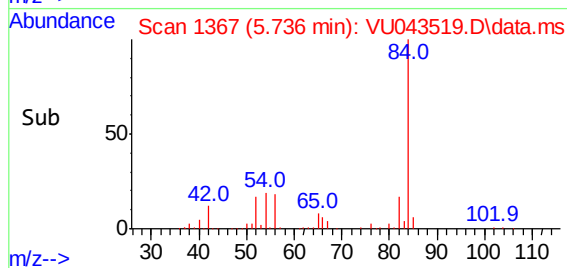
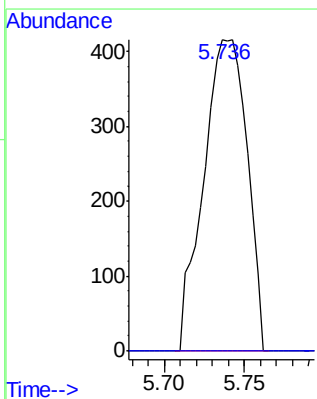
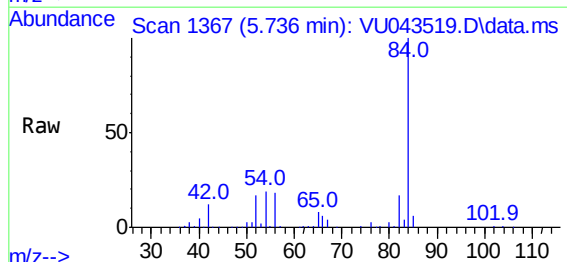
Instrument :
MSVOA_U
ClientSampled :
GB3J2

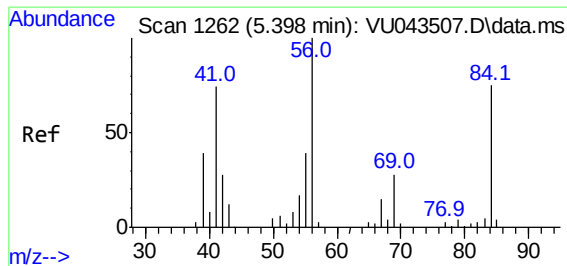
Tgt Ion: 83 Resp: 2056
Ion Ratio Lower Upper
83 100
85 77.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 5.736 min Scan# 1367
Delta R.T. -0.071 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

Tgt Ion: 62 Resp: 776
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#

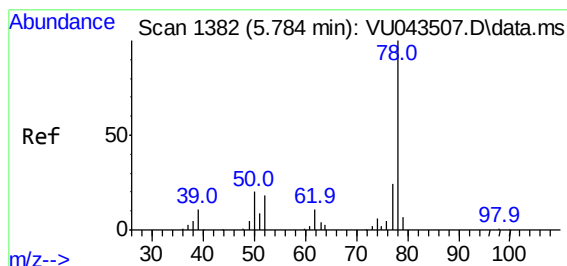
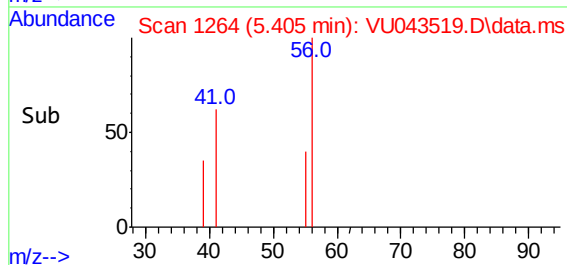
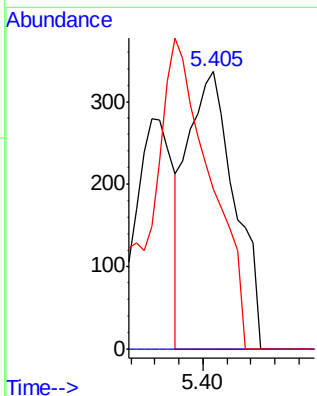
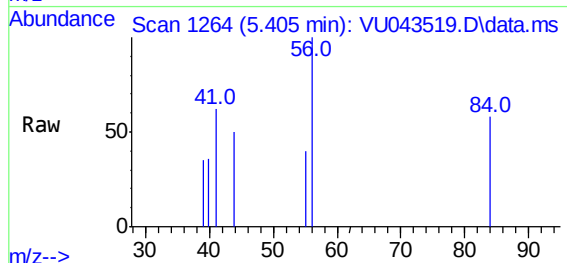




#30
Cyclohexane
Concen: 0.05 ug/L
RT: 5.405 min Scan# 1264
Delta R.T. 0.007 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

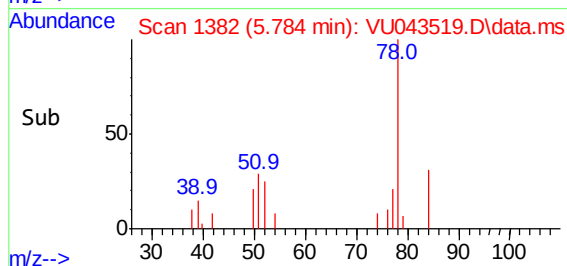
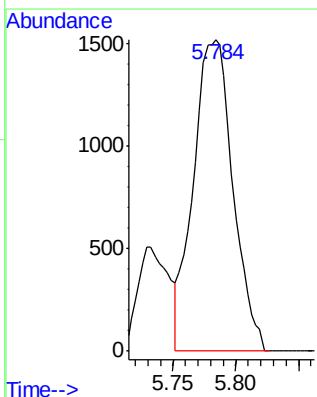
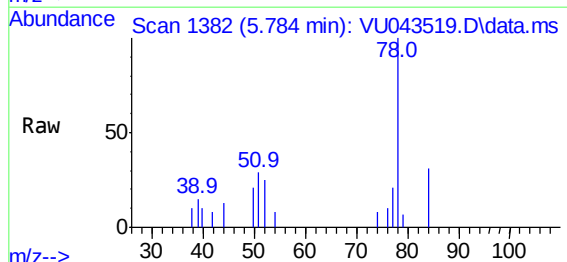
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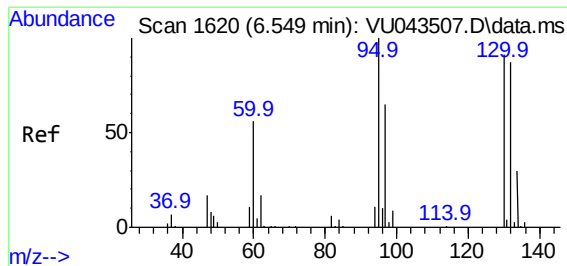
Tgt Ion: 56 Resp: 455
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 0.0 60.3 90.5#



#33
Benzene
Concen: 0.12 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

Tgt Ion: 78 Resp: 3313

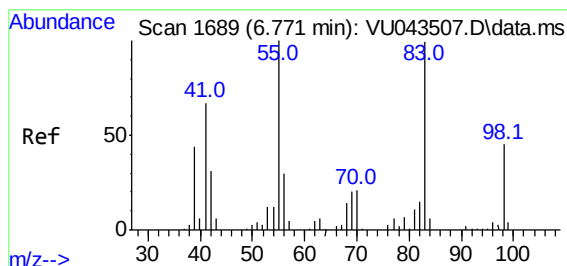
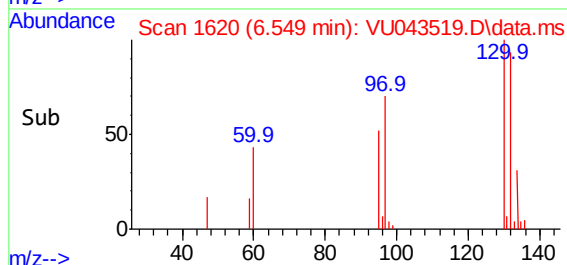
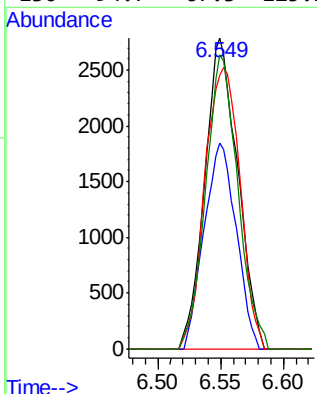
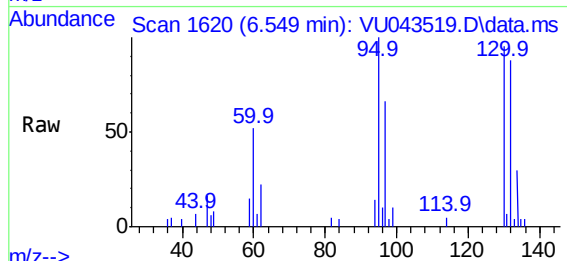




#34
Trichloroethene
Concen: 0.74 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

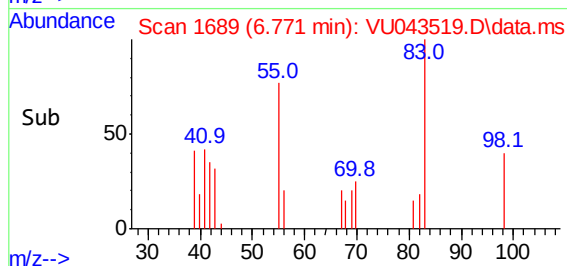
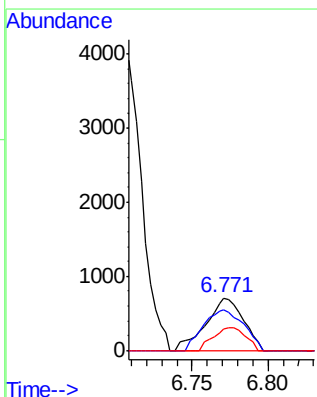
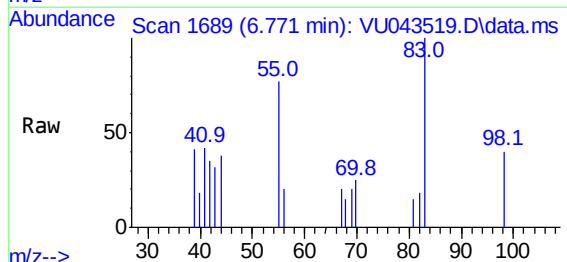
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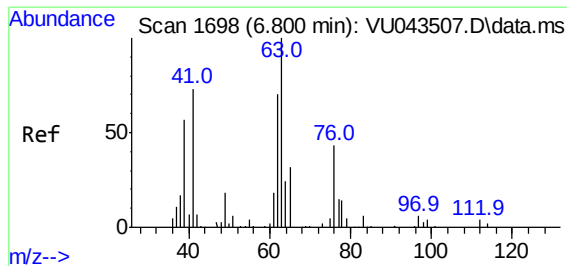
Tgt Ion:	95	Resp:	5065
Ion	Ratio	Lower	Upper
95	100		
97	66.1	46.5	86.5
132	88.2	64.1	119.1
130	94.7	67.3	125.1



#35
Methylcyclohexane
Concen: 0.14 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VU043519.D
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Tgt Ion:	83	Resp:	1207
Ion	Ratio	Lower	Upper
83	100		
55	83.6	75.8	113.8
98	37.3	35.5	53.3

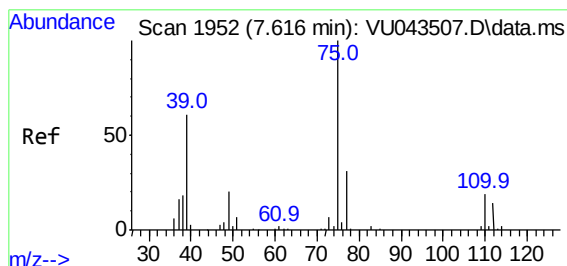
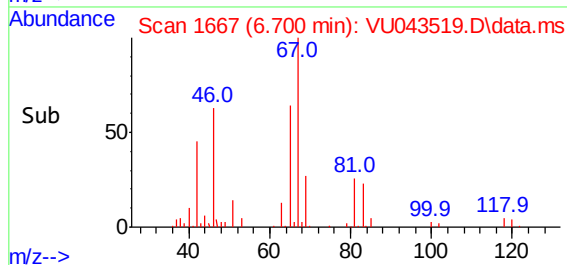
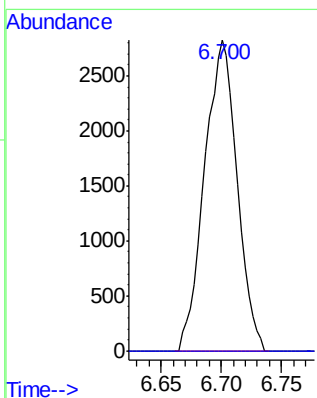
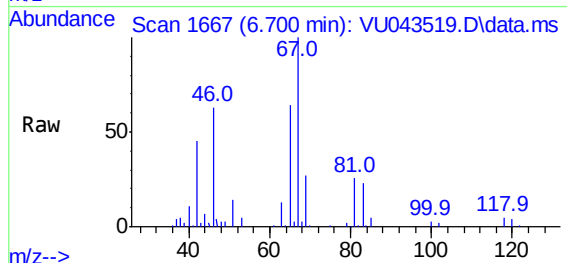




#37
1,2-Dichloropropane
Concen: 0.65 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.099 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

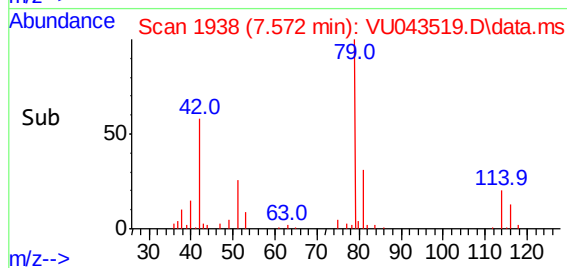
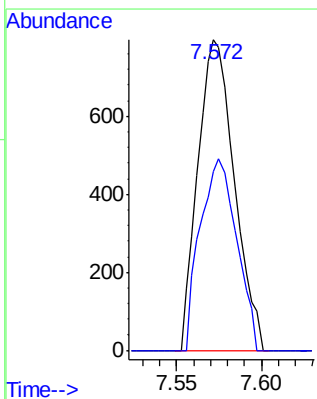
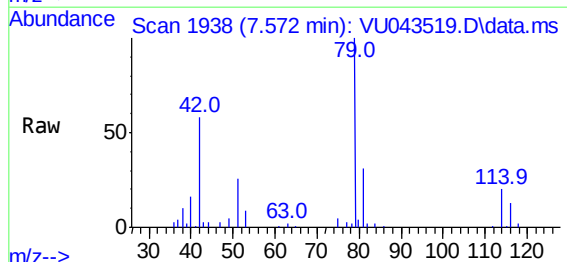
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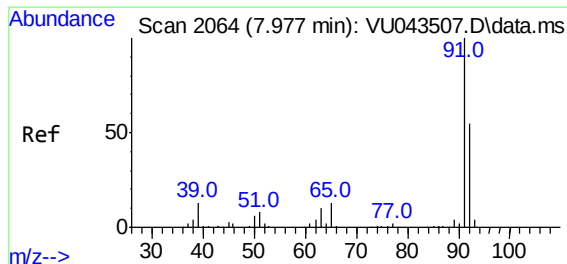
Tgt Ion: 63 Resp: 5205
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.572 min Scan# 1938
Delta R.T. -0.045 min
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Tgt Ion: 75 Resp: 1191
Ion Ratio Lower Upper
75 100
77 57.5 21.9 40.7#

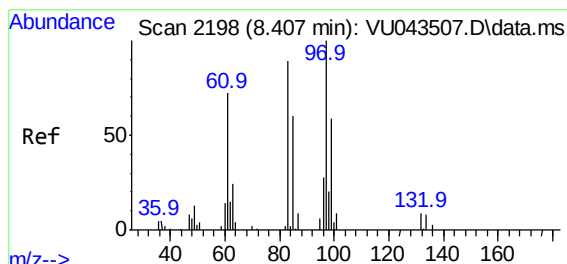
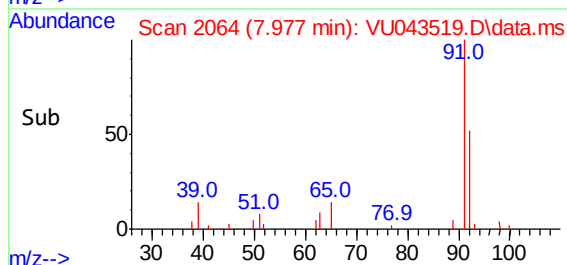
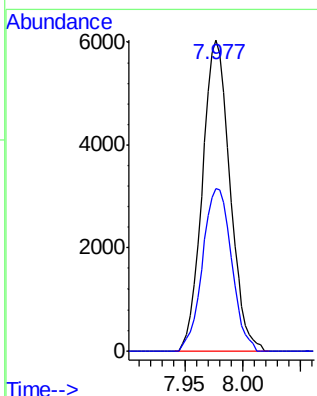
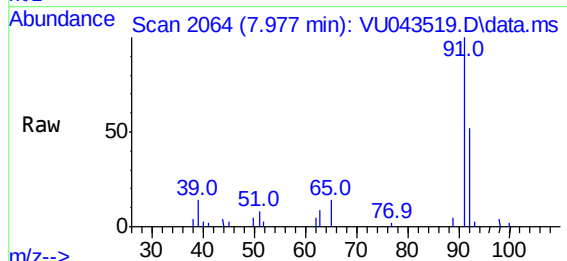




#42
Toluene
Concen: 0.36 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

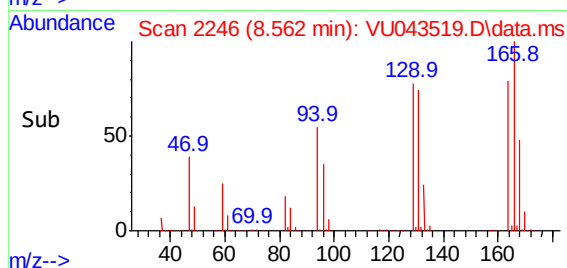
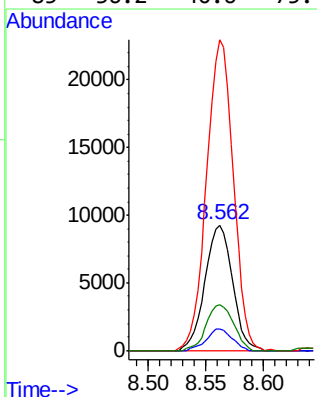
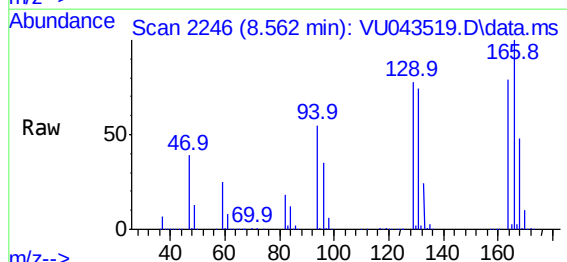
Instrument :
MSVOA_U
ClientSampleId :
GB3J2

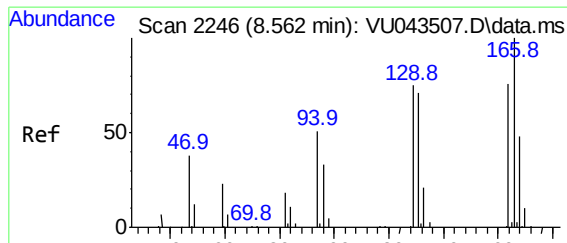
Tgt Ion: 91 Resp: 9957
Ion Ratio Lower Upper
91 100
92 52.1 39.1 72.5



#45
1,1,2-Trichloroethane
Concen: 2.77 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.155 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

Tgt Ion: 97 Resp: 15205
Ion Ratio Lower Upper
97 100
99 17.0 42.6 79.0#
83 247.6 64.1 119.1#
85 36.2 40.6 75.4#

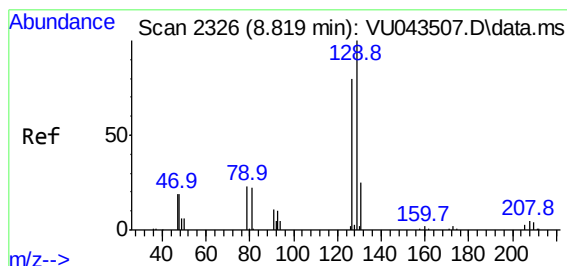
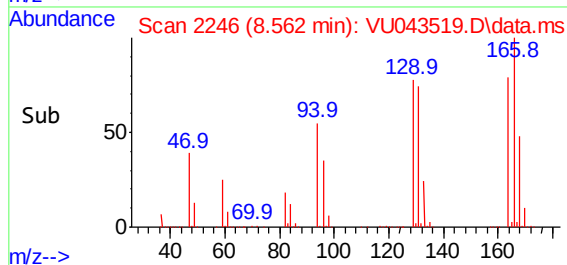
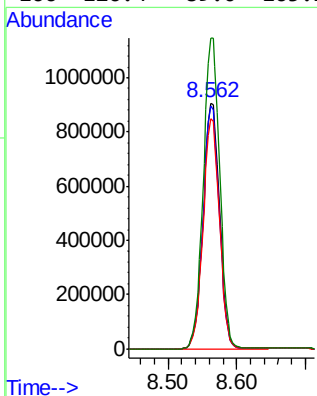
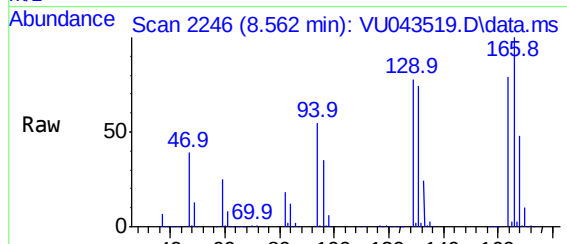




#47
Tetrachloroethene
Concen: 300.03 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

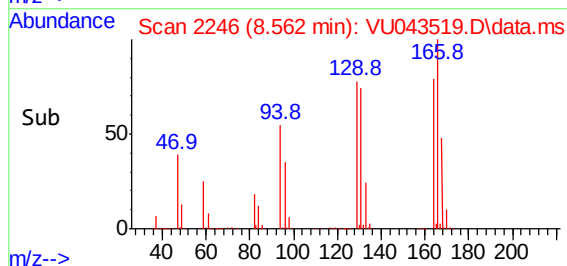
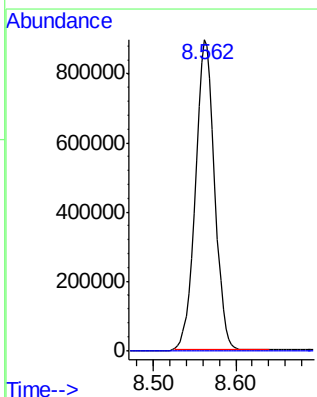
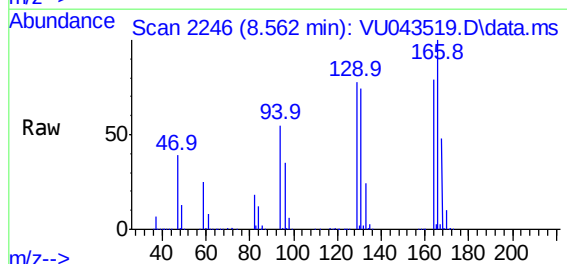
Instrument :
MSVOA_U
ClientSampleId :
GB3J2

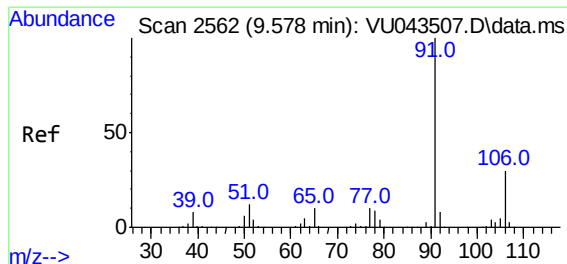
Tgt Ion:164 Resp: 1504546
Ion Ratio Lower Upper
164 100
129 99.0 62.5 116.1
131 93.9 64.9 120.5
166 126.4 89.0 165.2



#49
Dibromochloromethane
Concen: 217.53 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

Tgt Ion:129 Resp: 1446117
Ion Ratio Lower Upper
129 100
127 0.0 52.4 97.4#

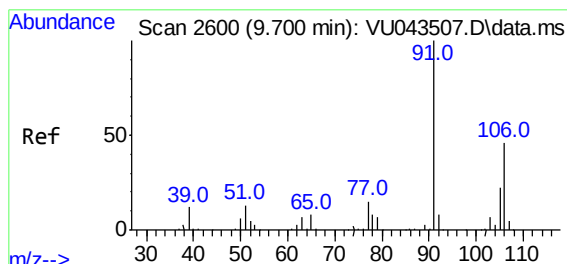
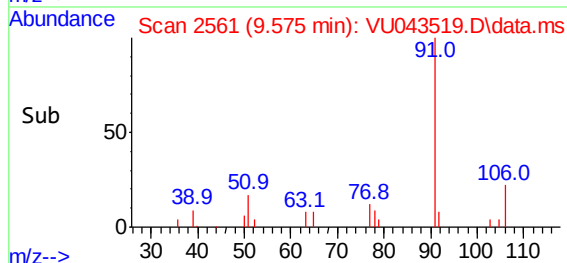
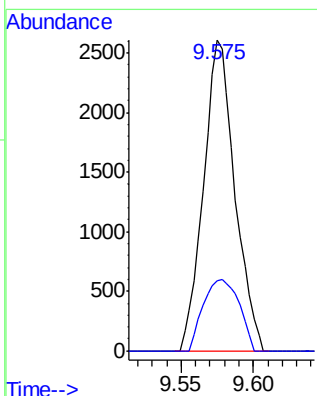
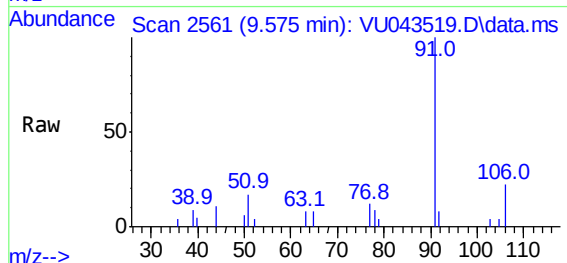




#52
Ethylbenzene
Concen: 0.13 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

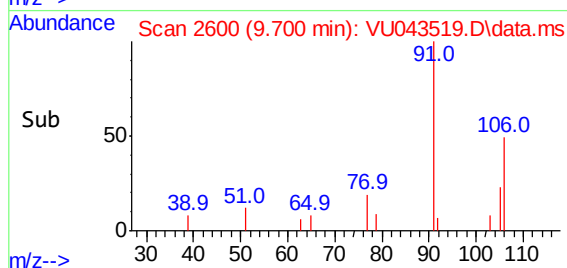
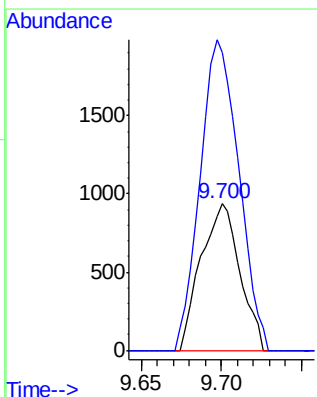
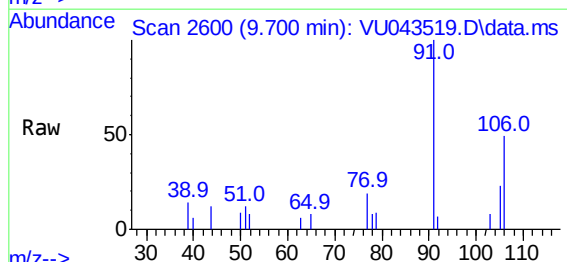
Instrument :
MSVOA_U
ClientSampleId :
GB3J2

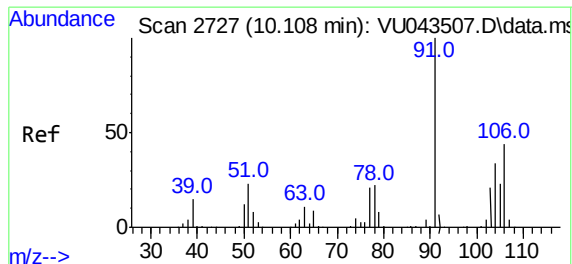
Tgt Ion: 91 Resp: 3922
Ion Ratio Lower Upper
91 100
106 22.4 20.5 38.1



#53
m,p-Xylene
Concen: 0.14 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

Tgt Ion: 106 Resp: 1547
Ion Ratio Lower Upper
106 100
91 203.5 150.3 279.1

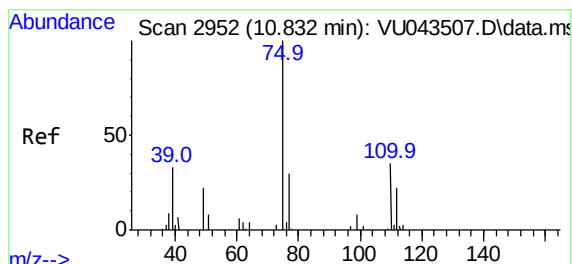
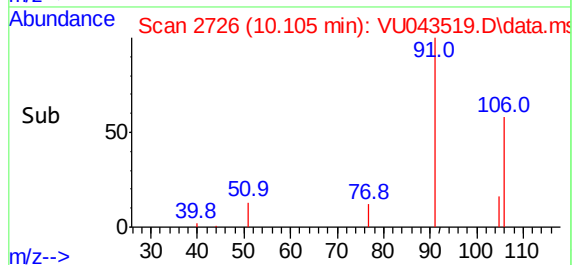
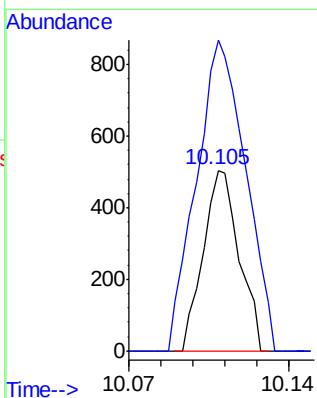
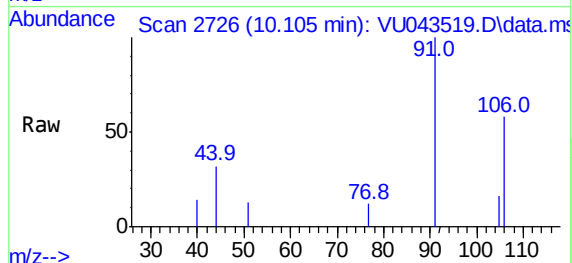




#54
o-Xylene
Concen: 0.05 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

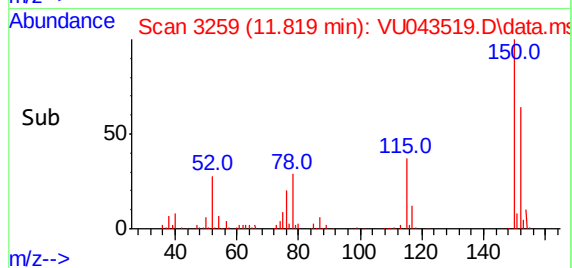
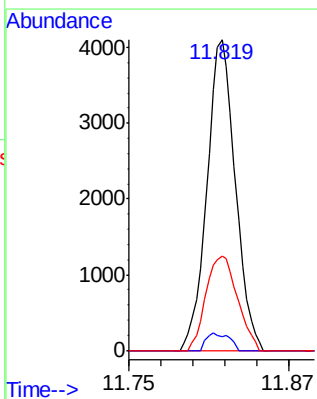
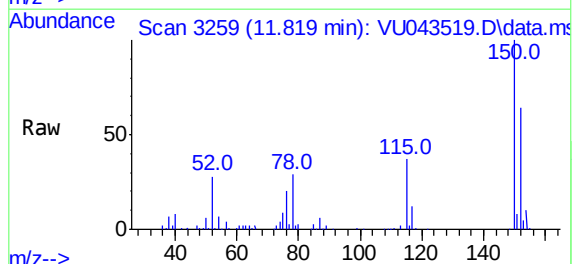
Instrument :
MSVOA_U
ClientSampleId :
GB3J2

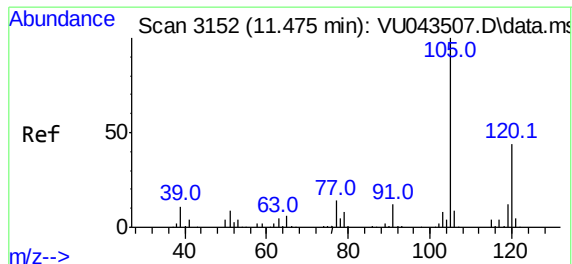
Tgt Ion:106 Resp: 566
Ion Ratio Lower Upper
106 100
91 172.2 157.3 292.1



#61
1,2,3-Trichloropropane
Concen: 1.26 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU043519.D
Acq: 04 May 2021 14:10

Tgt Ion: 75 Resp: 6152
Ion Ratio Lower Upper
75 100
110 4.4 28.6 42.8#
77 33.6 25.7 38.5





#63
 1,2,4-Trimethylbenzene
 Concen: 0.07 ug/L
 RT: 11.475 min Scan# 3152
 Delta R.T. 0.000 min
 Lab File: VU043519.D
 Acq: 04 May 2021 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 GB3J2

Tgt Ion:105 Resp: 1544
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.4 53.0

