

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050321\
 Data File : VU043487.D
 Acq On : 03 May 2021 14:40
 Operator : SY/MD
 Sample : M2195-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 04 07:40:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR050321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 04 07:31:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	119340	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	133568	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	71759	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	40863	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.915	69	30180	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.571	65	20353	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	4.652	46	138125	46.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.72%
24) Chloroform-d	5.073	84	76966	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.713	65	48305	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.738	84	145656	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
36) 1,2-Dichloropropane-d6	6.700	67	50703	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.00%
41) Toluene-d8	7.909	98	133639	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloroprop...	8.189	79	20022	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.655	63	127122	59.30	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.60%
56) 1,1,2,2-Tetrachloroeth...	10.767	84	43428	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
66) 1,2-Dichlorobenzene-d4	12.201	152	55936	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	923	0.11	ug/L	88
6) Bromomethane	1.864	94	353	0.09	ug/L	95
12) 1,1-Dichloroethene	2.581	96	1087	0.16	ug/L #	1
13) Acetone	2.668	43	26218	13.20	ug/L	99
14) Carbon disulfide	2.800	76	3923	0.23	ug/L	99
15) Methyl Acetate	2.967	43	639	0.14	ug/L #	66
16) Methylene chloride	3.050	84	1209	0.11	ug/L	85
21) 2-Butanone	4.739	43	8640	2.71	ug/L	91
22) cis-1,2-Dichloroethene	4.671	96	2237	0.27	ug/L	93
25) Chloroform	5.105	83	3236	0.18	ug/L	84
30) Cyclohexane	5.398	56	1380	0.11	ug/L #	81
33) Benzene	5.783	78	4007	0.11	ug/L	100
34) Trichloroethene	6.552	95	29067	3.24	ug/L	94
35) Methylcyclohexane	6.767	83	2094	0.18	ug/L	94
37) 1,2-Dichloropropane	6.700	63	5872	0.56	ug/L #	90
39) cis-1,3-Dichloropropene	7.571	75	1405	0.10	ug/L #	58
42) Toluene	7.983	91	13059	0.36	ug/L	98
45) 1,1,2-Trichloroethane	8.623	97	816065	112.45	ug/L #	1
48) 2-Hexanone	8.703	43	6056	0.95	ug/L #	89

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

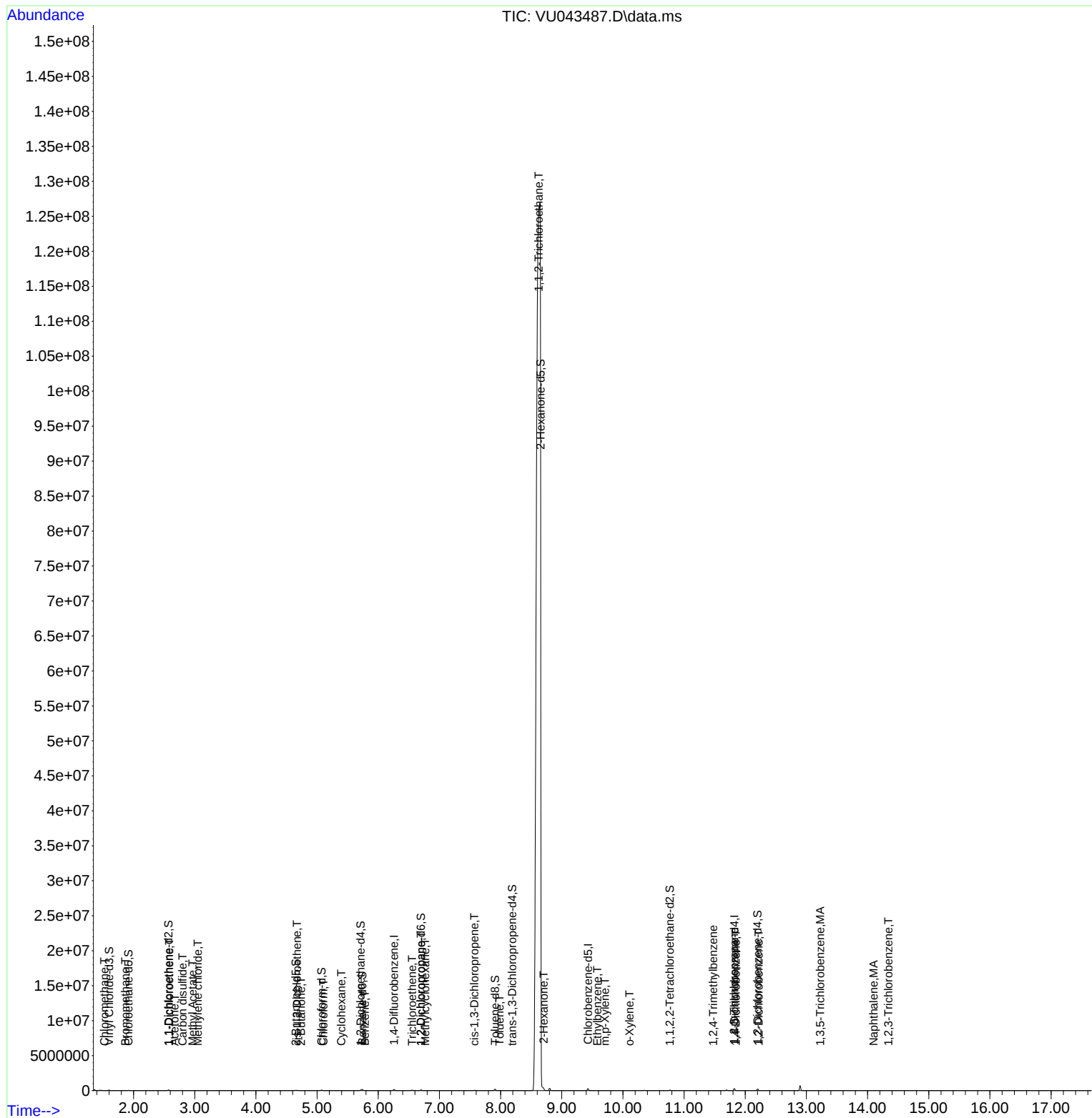
52) Ethylbenzene	9.581	91	5383	0.14	ug/L	96
53) m,p-Xylene	9.706	106	3343	0.24	ug/L	85
54) o-Xylene	10.108	106	1371	0.10	ug/L	81
61) 1,2,3-Trichloropropane	11.819	75	10122	1.39	ug/L #	69
63) 1,2,4-Trimethylbenzene	11.478	105	3242	0.11	ug/L	92
65) 1,4-Dichlorobenzene	11.848	146	1663	0.08	ug/L	92
67) 1,2-Dichlorobenzene	12.221	146	2417	0.12	ug/L	92
69) 1,3,5-Trichlorobenzene	13.227	180	1469	0.10	ug/L	95
71) Naphthalene	14.098	128	1801	0.08	ug/L #	82
72) 1,2,3-Trichlorobenzene	14.339	180	3425	0.29	ug/L	96

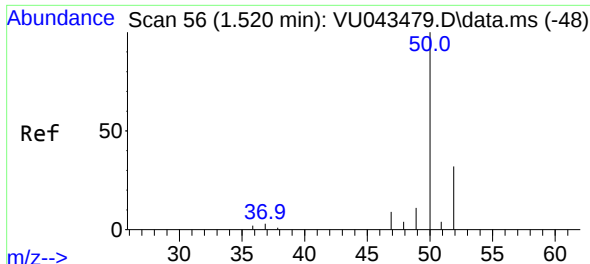
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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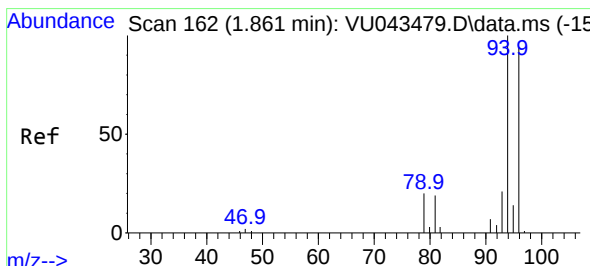
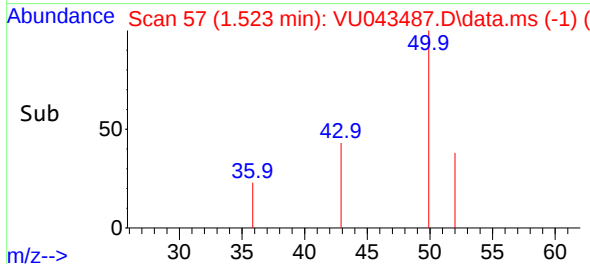
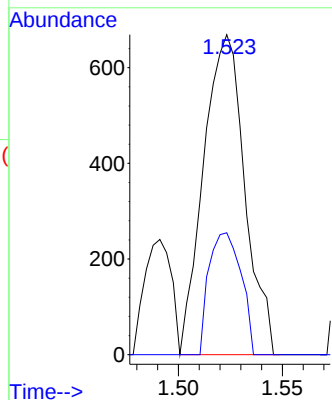
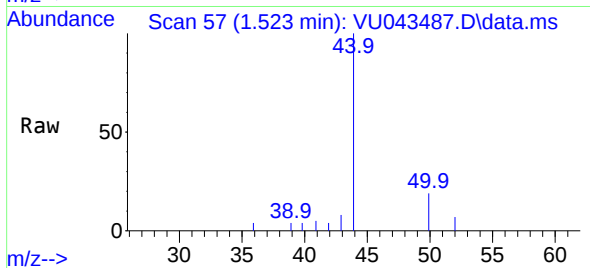




#3
Chloromethane
Concen: 0.11 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

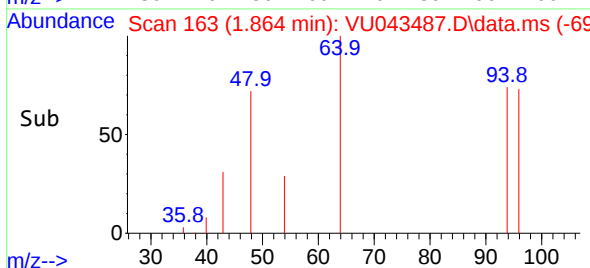
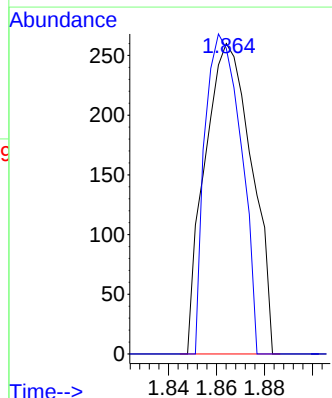
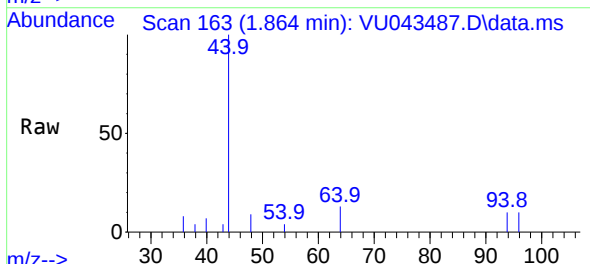
Instrument :
MSVOA_U
ClientSampled :

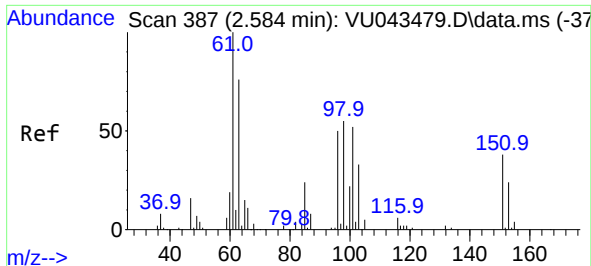
Tgt Ion: 50 Resp: 923
Ion Ratio Lower Upper
50 100
52 38.1 22.1 41.1



#6
Bromomethane
Concen: 0.09 ug/L
RT: 1.864 min Scan# 163
Delta R.T. 0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Tgt Ion: 94 Resp: 353
Ion Ratio Lower Upper
94 100
96 98.5 65.7 121.9





#12

1,1-Dichloroethene

Concen: 0.16 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

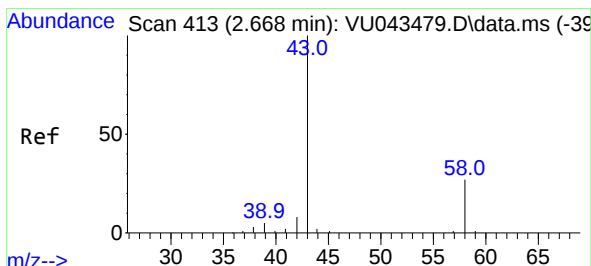
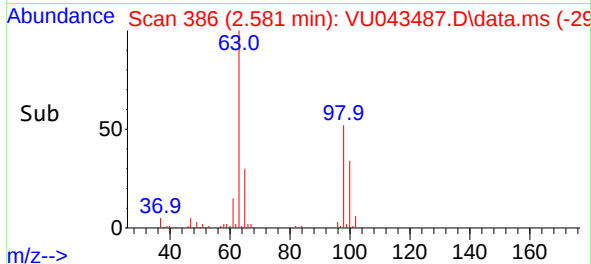
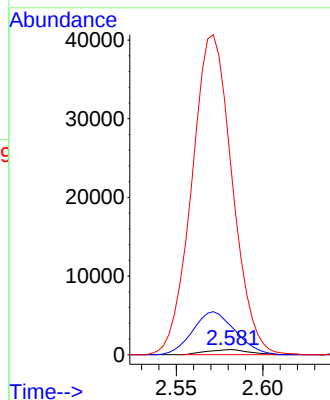
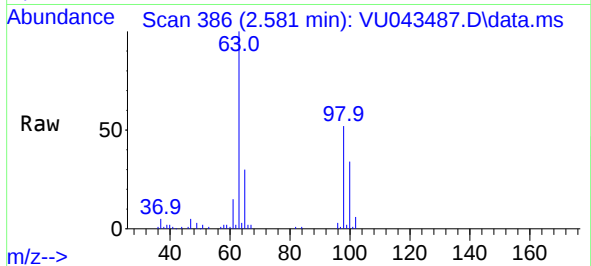
Lab File: VU043487.D

Acq: 03 May 2021 14:40

Tgt Ion: 96 Resp: 1087

Ion	Ratio	Lower	Upper
96	100		
61	578.2	141.2	262.2#
63	3865.8	111.1	206.3#

Instrument :
MSVOA_U
ClientSampleId :



#13

Acetone

Concen: 13.20 ug/L

RT: 2.668 min Scan# 413

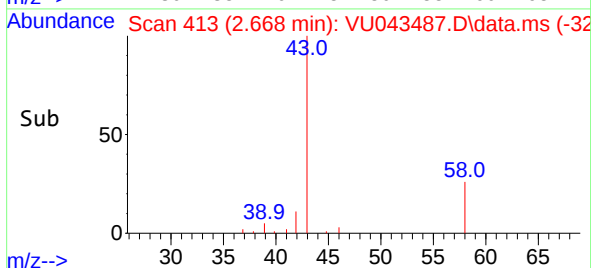
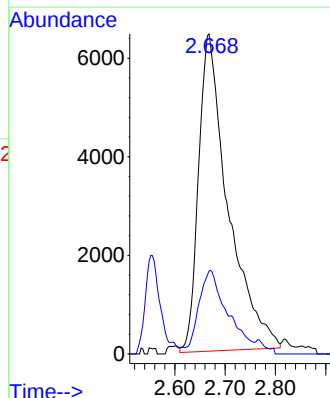
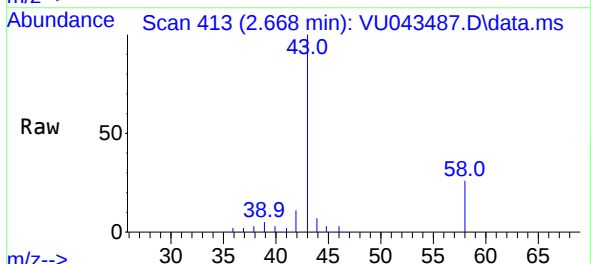
Delta R.T. 0.000 min

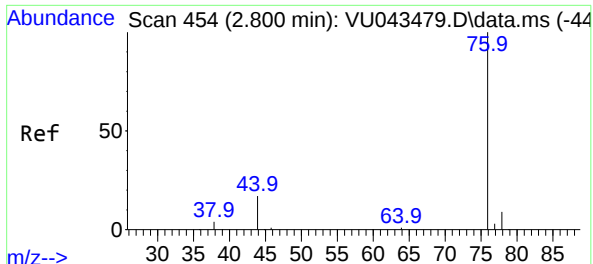
Lab File: VU043487.D

Acq: 03 May 2021 14:40

Tgt Ion: 43 Resp: 26218

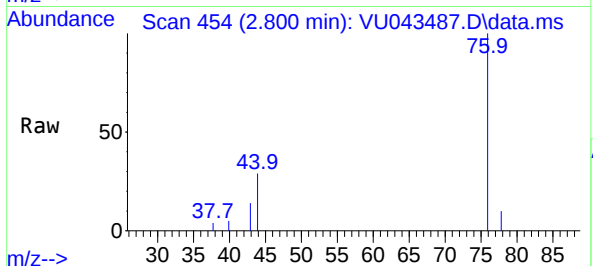
Ion	Ratio	Lower	Upper
43	100		
58	25.8	0.0	50.8



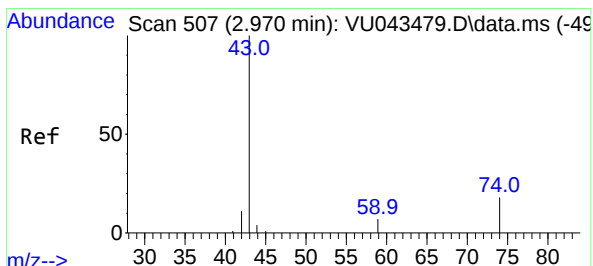
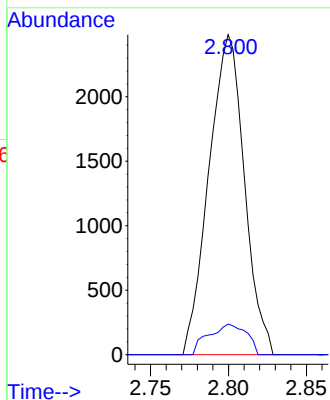
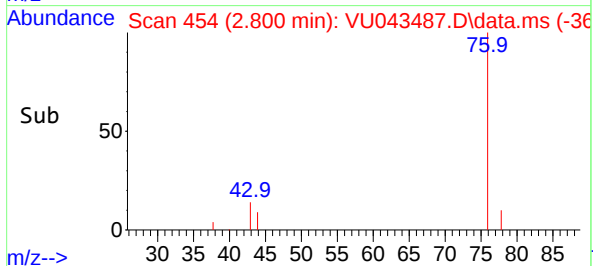


#14
Carbon disulfide
Concen: 0.23 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

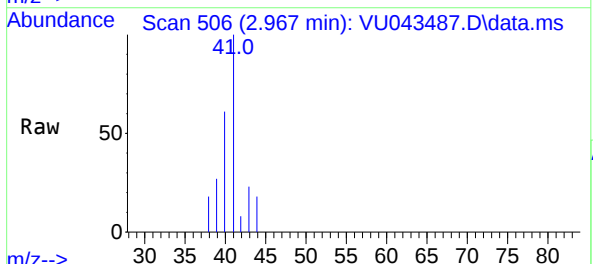
Instrument :
MSVOA_U
ClientSampled :



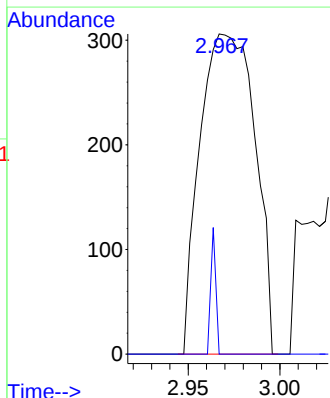
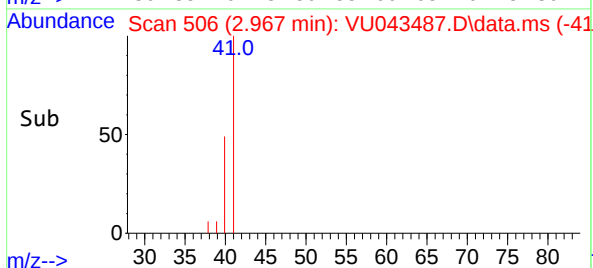
Tgt Ion: 76 Resp: 3923
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2

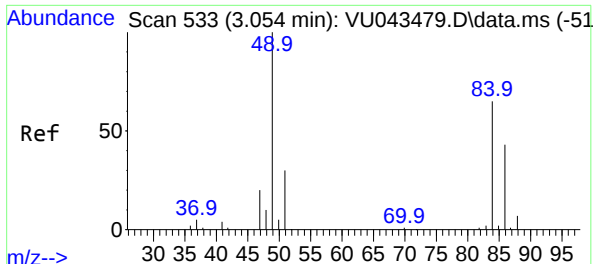


#15
Methyl Acetate
Concen: 0.14 ug/L
RT: 2.967 min Scan# 506
Delta R.T. -0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40



Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
74 3.6 15.2 22.8#

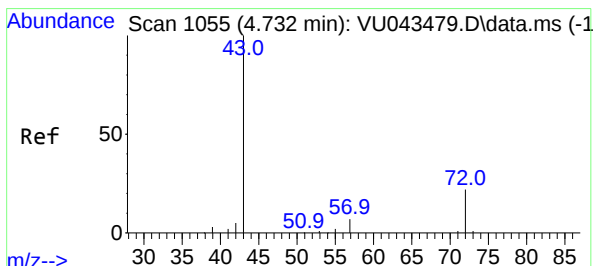
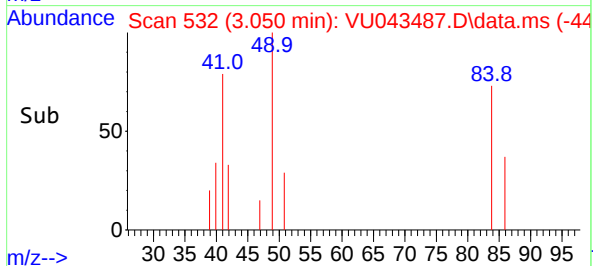
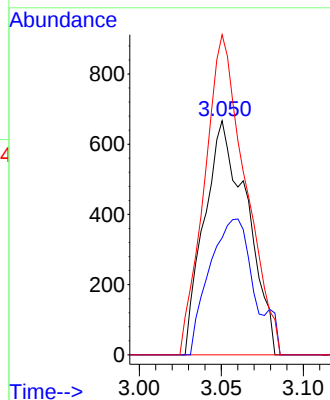
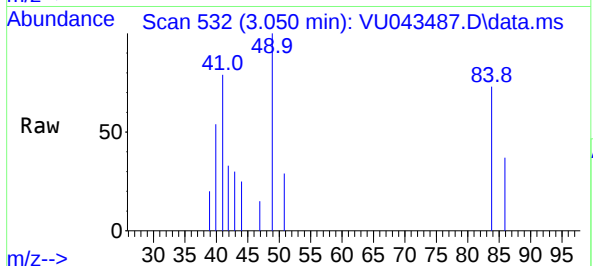




#16
Methylene chloride
Concen: 0.11 ug/L
RT: 3.050 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

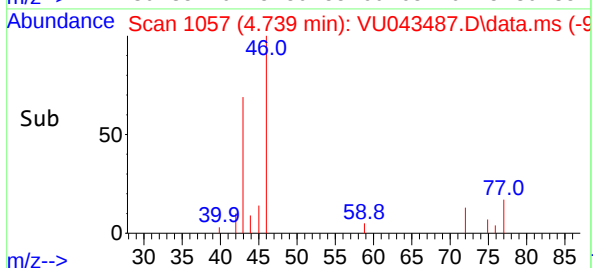
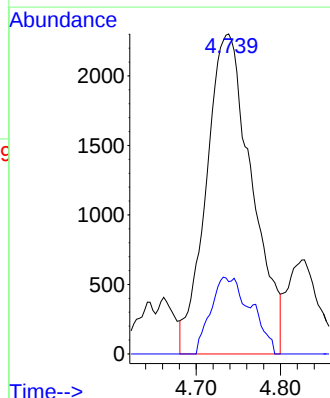
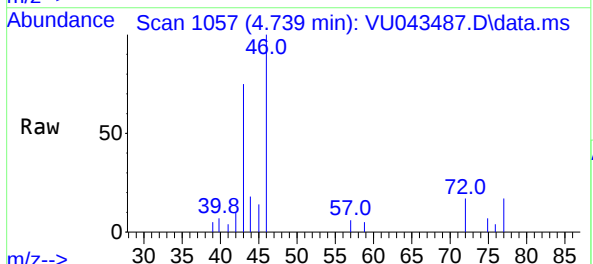
Instrument :
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ClientSampleId :

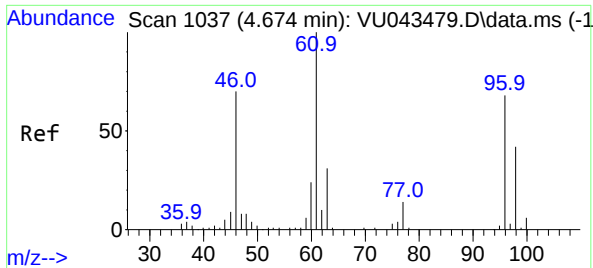
Tgt Ion: 84 Resp: 1209
Ion Ratio Lower Upper
84 100
86 49.9 45.6 84.6
49 136.7 107.0 198.8



#21
2-Butanone
Concen: 2.71 ug/L
RT: 4.739 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Tgt Ion: 43 Resp: 8640
Ion Ratio Lower Upper
43 100
72 17.3 10.8 32.4

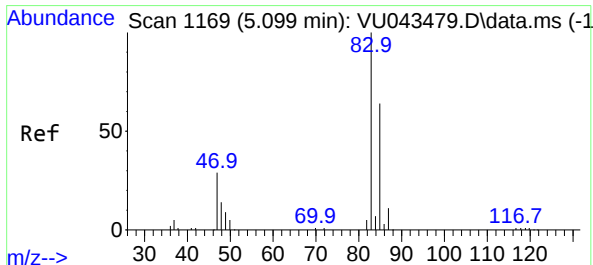
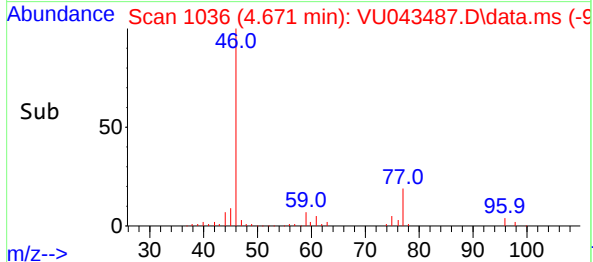
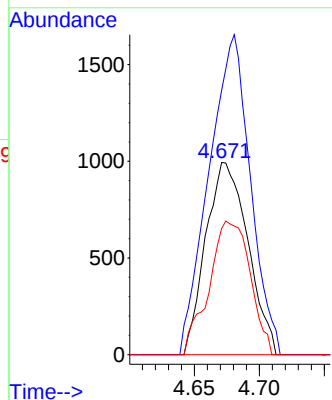
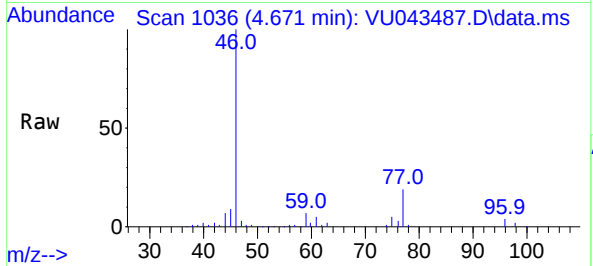




#22
cis-1,2-Dichloroethene
Concen: 0.27 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

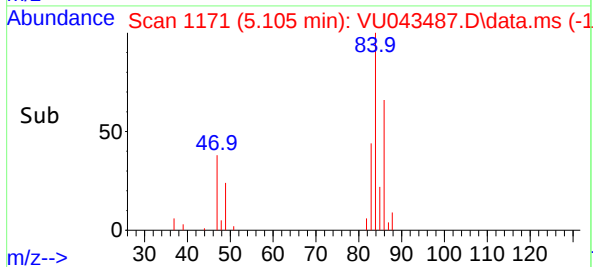
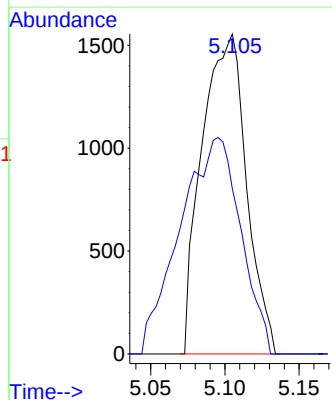
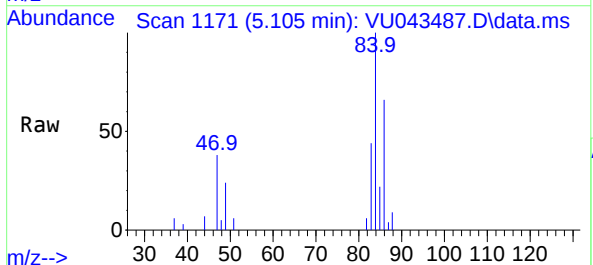
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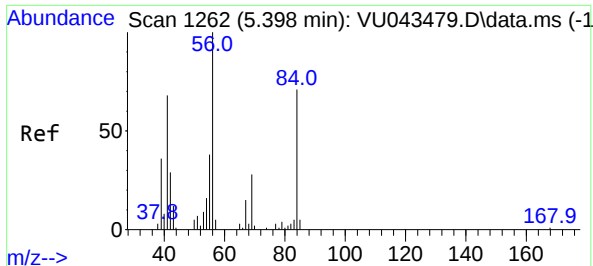
Tgt Ion: 96 Resp: 2237
Ion Ratio Lower Upper
96 100
61 137.6 102.8 190.8
98 65.7 42.8 79.6



#25
Chloroform
Concen: 0.18 ug/L
RT: 5.105 min Scan# 1171
Delta R.T. 0.006 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Tgt Ion: 83 Resp: 3236
Ion Ratio Lower Upper
83 100
85 51.6 45.1 83.9





#30

Cyclohexane

Concen: 0.11 ug/L

RT: 5.398 min Scan# 1262

Delta R.T. 0.000 min

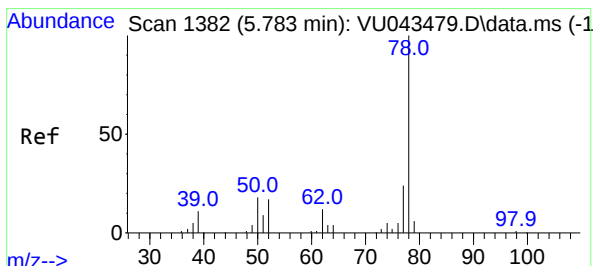
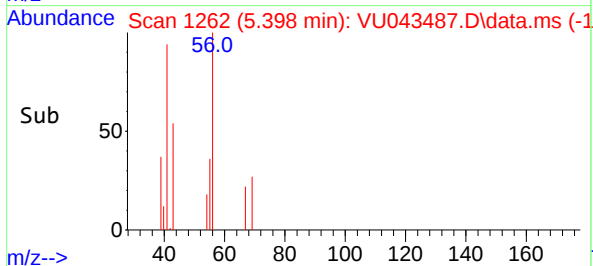
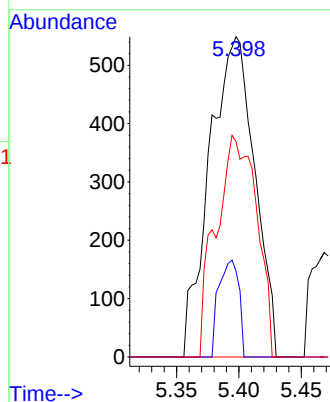
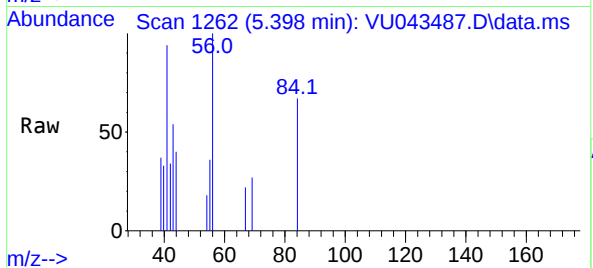
Lab File: VU043487.D

Acq: 03 May 2021 14:40

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 56 Resp: 1380

Ion	Ratio	Lower	Upper
56	100		
69	13.5	23.0	34.4#
84	62.5	60.3	90.5



#33

Benzene

Concen: 0.11 ug/L

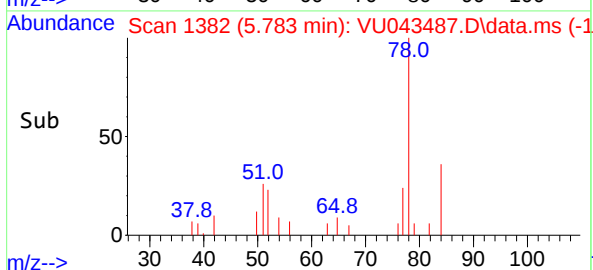
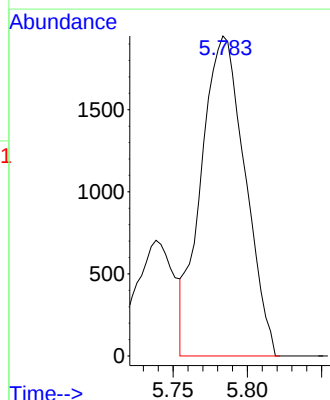
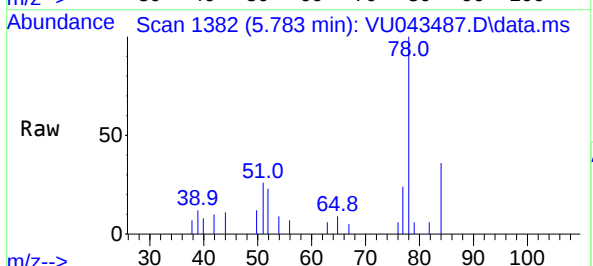
RT: 5.783 min Scan# 1382

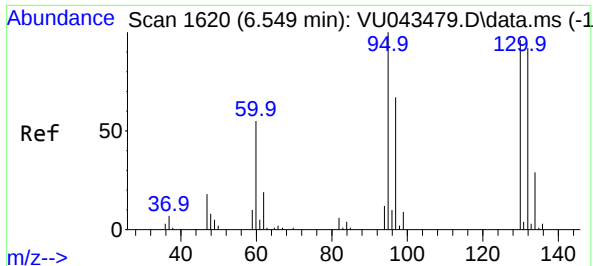
Delta R.T. 0.000 min

Lab File: VU043487.D

Acq: 03 May 2021 14:40

Tgt Ion: 78 Resp: 4007



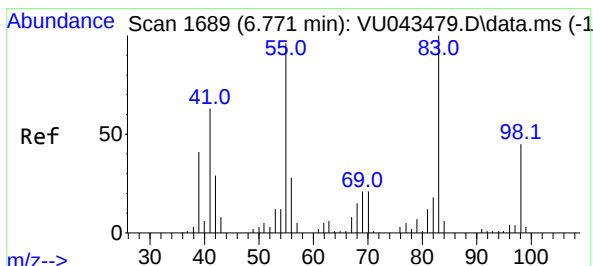
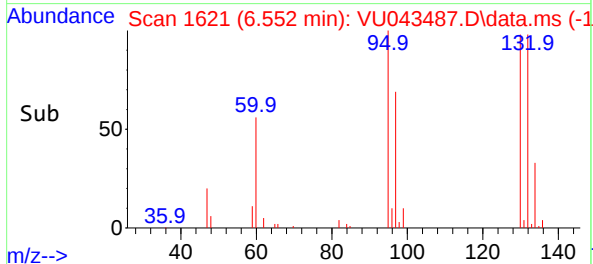
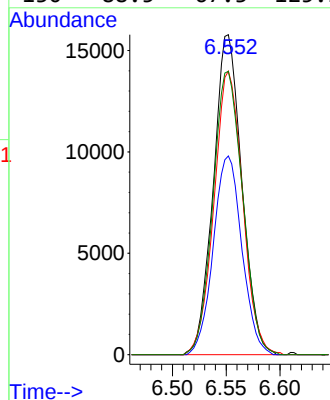
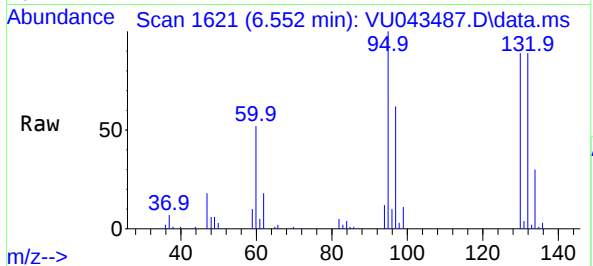


#34
Trichloroethene
Concen: 3.24 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 29067

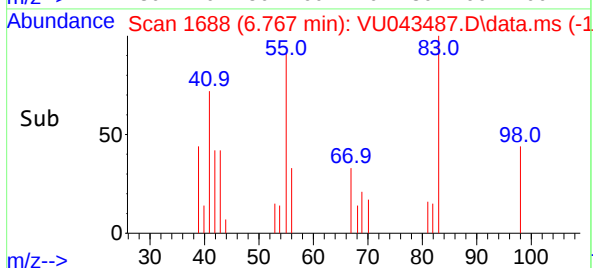
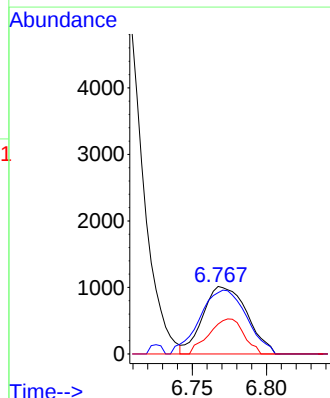
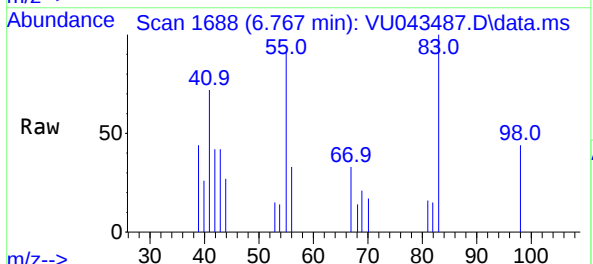
Ion	Ratio	Lower	Upper
95	100		
97	62.1	46.5	86.5
132	88.6	64.1	119.1
130	88.5	67.3	125.1

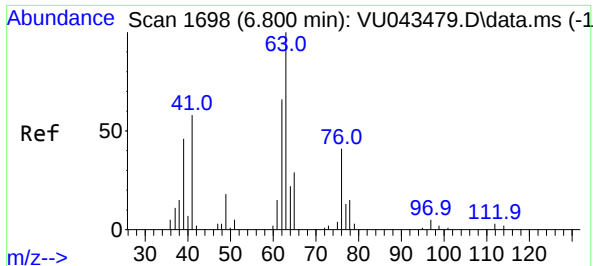


#35
Methylcyclohexane
Concen: 0.18 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Tgt Ion: 83 Resp: 2094

Ion	Ratio	Lower	Upper
83	100		
55	100.4	75.8	113.8
98	40.9	35.5	53.3

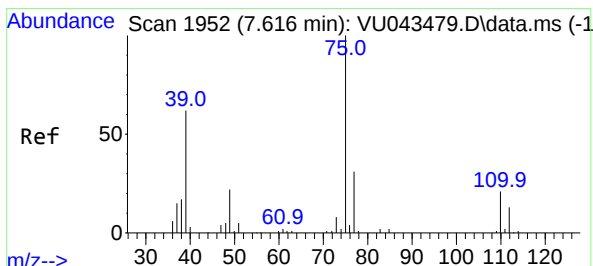
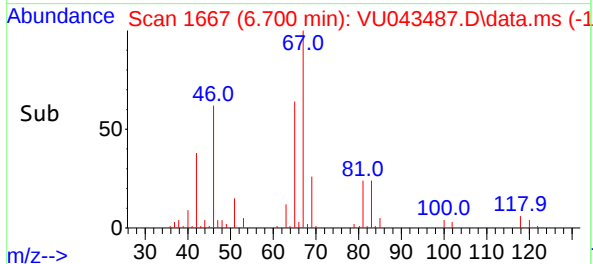
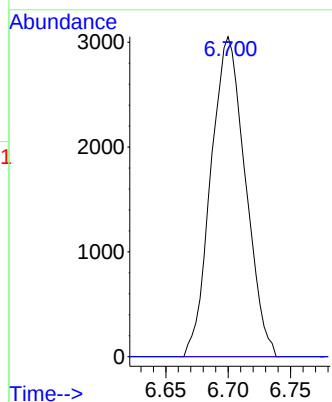
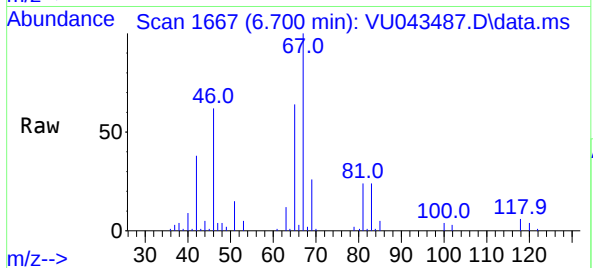




#37
1,2-Dichloropropane
Concen: 0.56 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

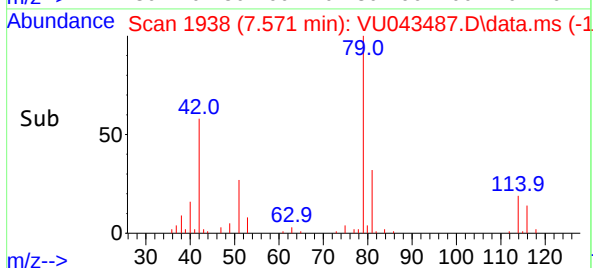
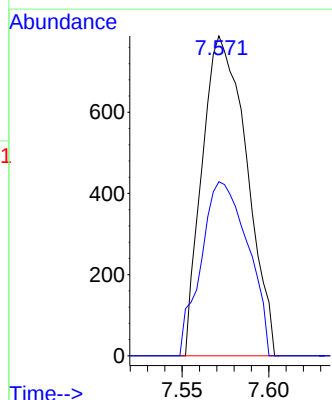
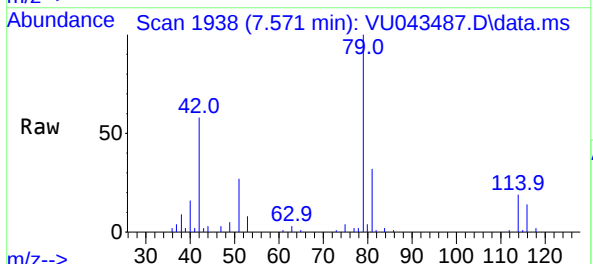
Instrument :
MSVOA_U
ClientSampled :

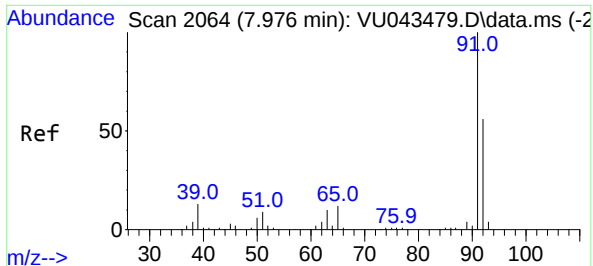
Tgt Ion: 63 Resp: 5872
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Tgt Ion: 75 Resp: 1405
Ion Ratio Lower Upper
75 100
77 54.4 21.9 40.7#

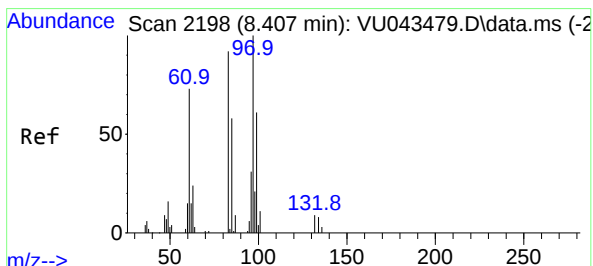
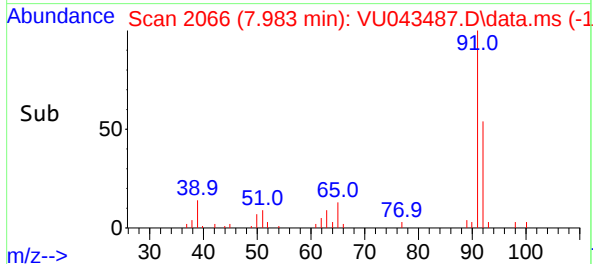
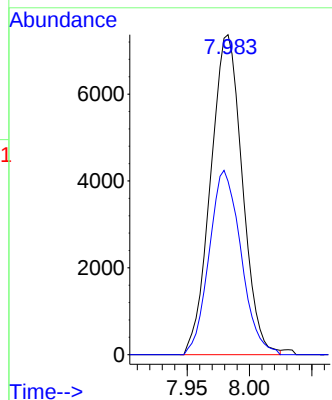
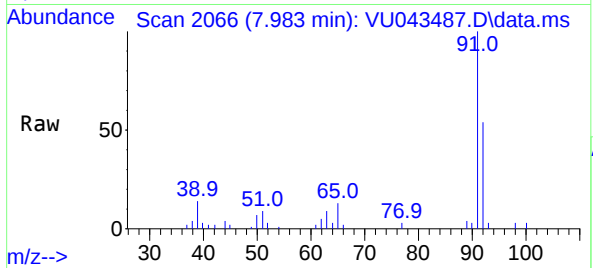




#42
Toluene
Concen: 0.36 ug/L
RT: 7.983 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

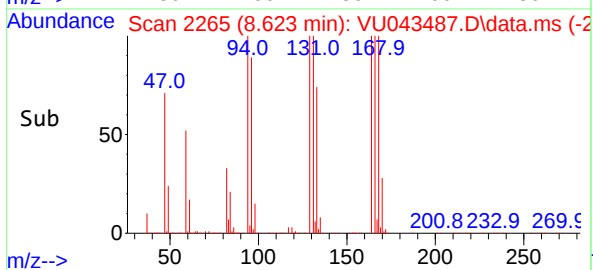
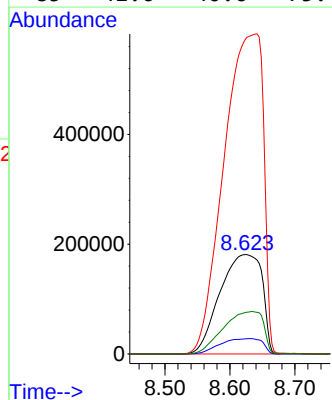
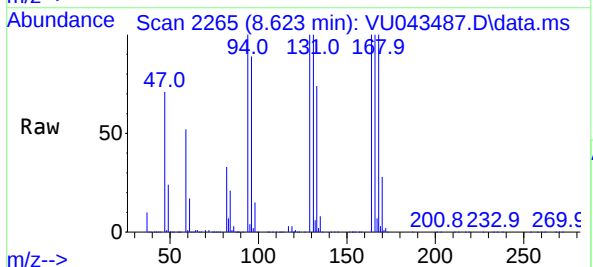
Instrument :
MSVOA_U
ClientSampled :

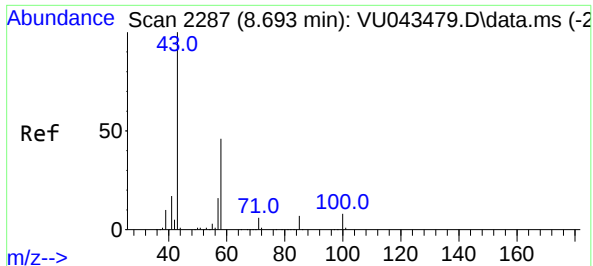
Tgt Ion: 91 Resp: 13059
Ion Ratio Lower Upper
91 100
92 54.2 39.1 72.5



#45
1,1,2-Trichloroethane
Concen: 112.45 ug/L
RT: 8.623 min Scan# 2265
Delta R.T. 0.215 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Tgt Ion: 97 Resp: 816065
Ion Ratio Lower Upper
97 100
99 15.2 42.6 79.0#
83 315.4 64.1 119.1#
85 41.6 40.6 75.4

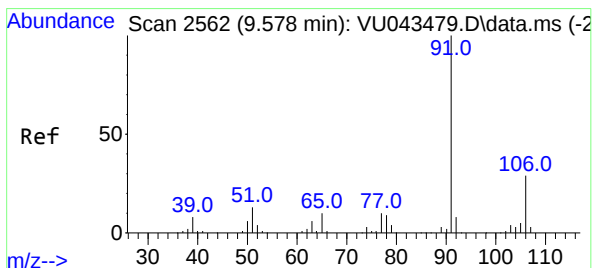
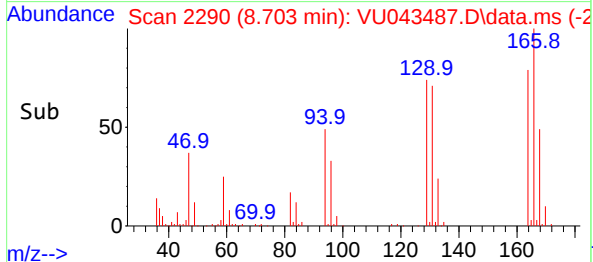
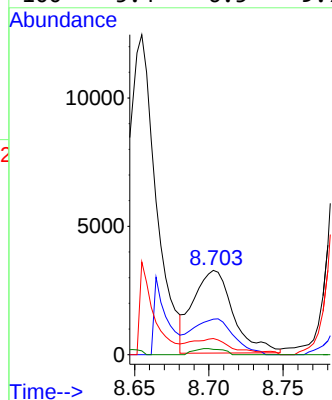
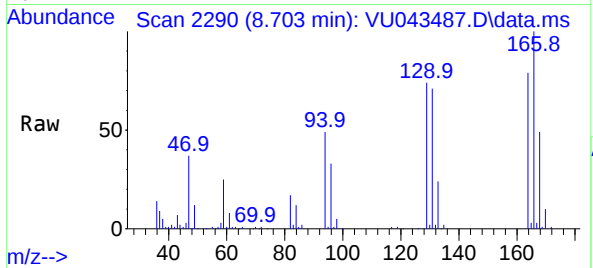




#48
2-Hexanone
Concen: 0.95 ug/L
RT: 8.703 min Scan# 2290
Delta R.T. 0.010 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

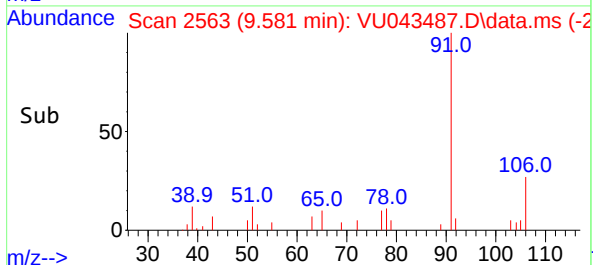
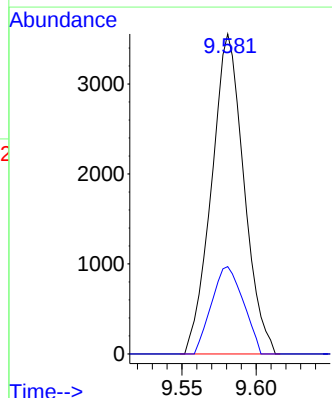
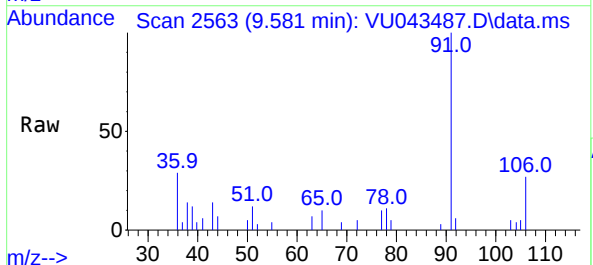
Instrument :
MSVOA_U
ClientSampled :

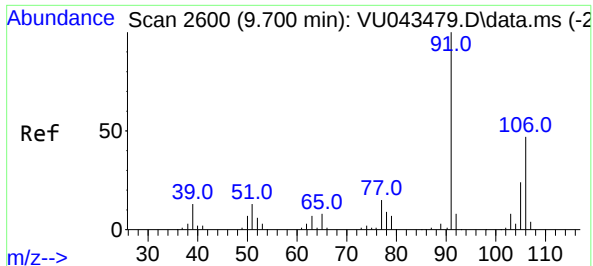
Tgt Ion: 43 Resp: 6056
Ion Ratio Lower Upper
43 100
58 45.2 36.8 55.2
57 0.0 13.2 19.8#
100 5.4 6.5 9.7#



#52
Ethylbenzene
Concen: 0.14 ug/L
RT: 9.581 min Scan# 2563
Delta R.T. 0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Tgt Ion: 91 Resp: 5383
Ion Ratio Lower Upper
91 100
106 27.3 20.5 38.1

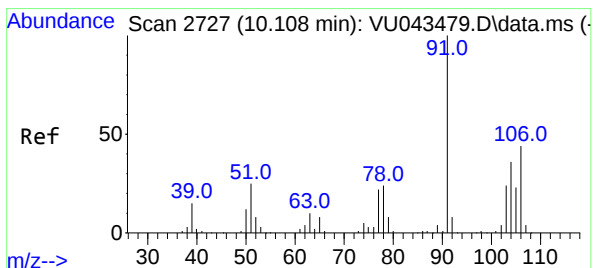
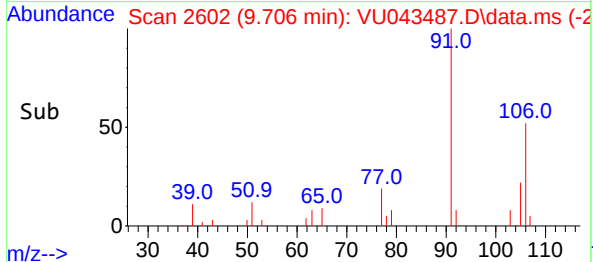
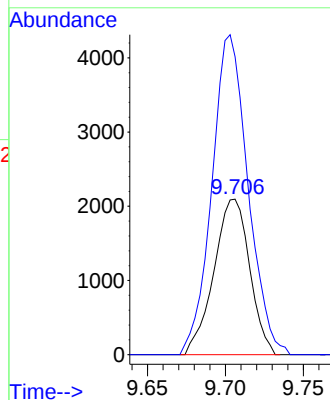
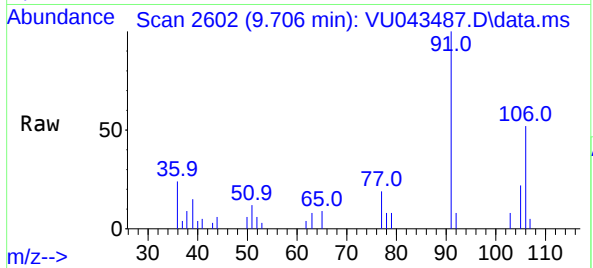




#53
m,p-Xylene
Concen: 0.24 ug/L
RT: 9.706 min Scan# 2602
Delta R.T. 0.006 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

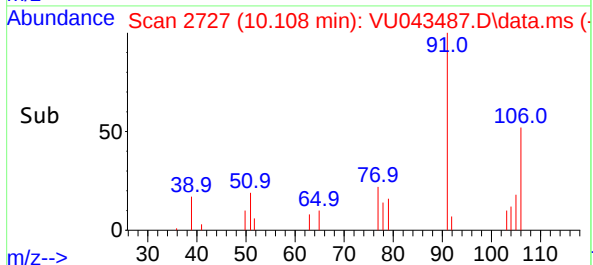
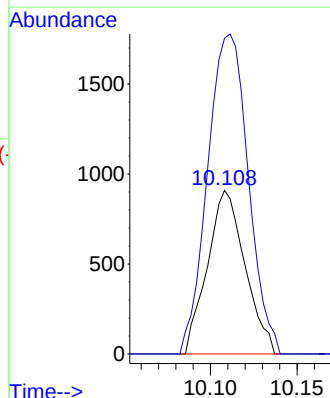
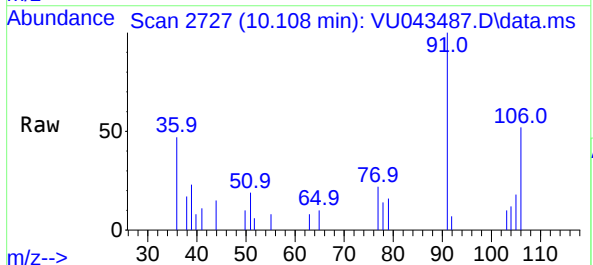
Instrument :
MSVOA_U
ClientSampled :

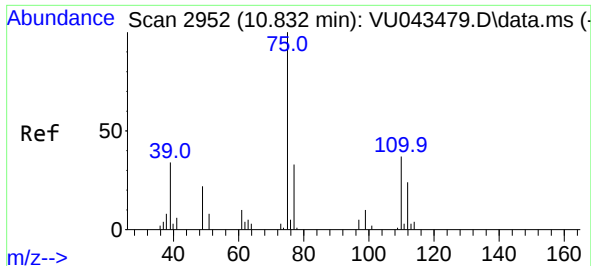
Tgt Ion:106 Resp: 3343
Ion Ratio Lower Upper
106 100
91 191.6 150.3 279.1



#54
o-Xylene
Concen: 0.10 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Tgt Ion:106 Resp: 1371
Ion Ratio Lower Upper
106 100
91 193.0 157.3 292.1

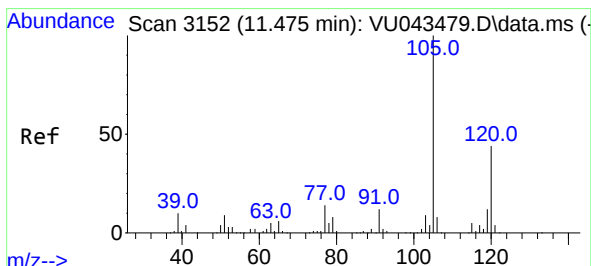
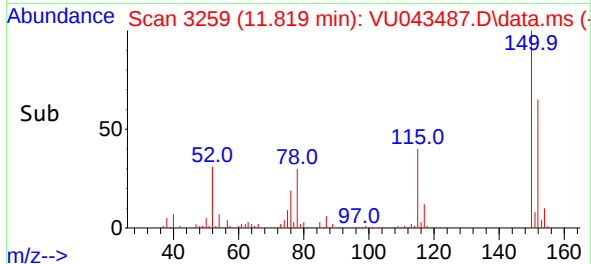
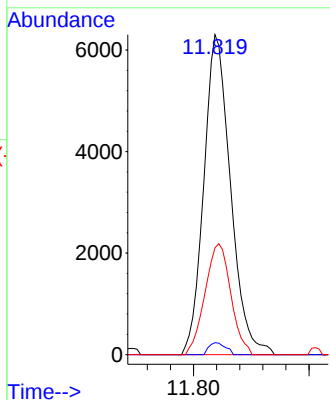
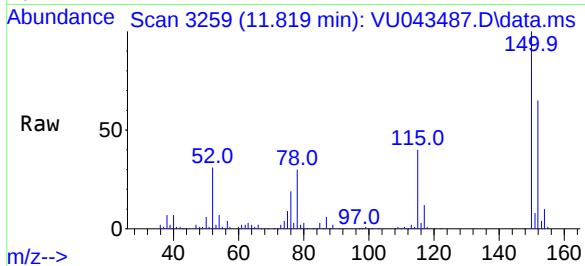




#61
1,2,3-Trichloropropane
Concen: 1.39 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

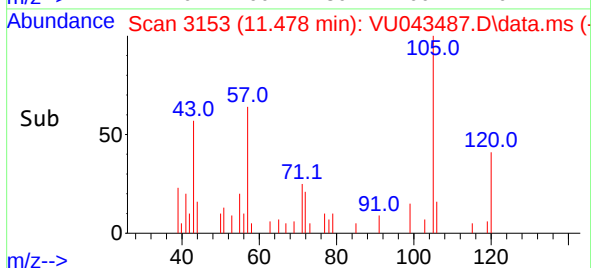
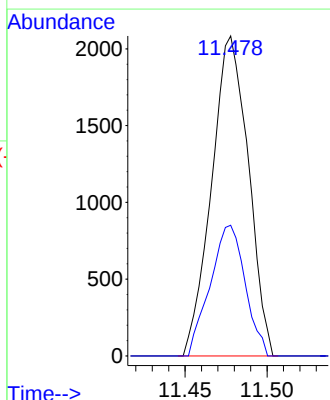
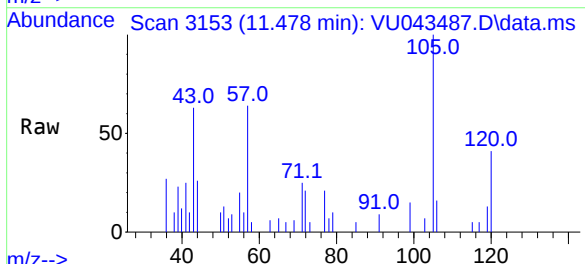
Instrument :
MSVOA_U
ClientSampleId :

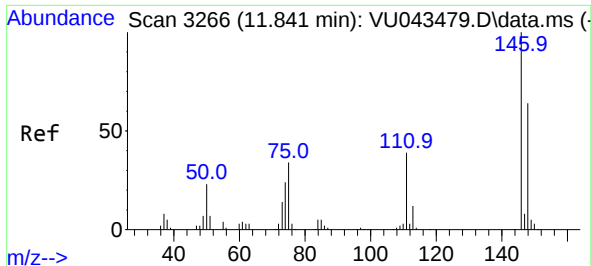
Tgt Ion: 75 Resp: 10122
Ion Ratio Lower Upper
75 100
110 2.3 28.6 42.8#
77 33.5 25.7 38.5



#63
1,2,4-Trimethylbenzene
Concen: 0.11 ug/L
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Tgt Ion: 105 Resp: 3242
Ion Ratio Lower Upper
105 100
120 38.8 35.4 53.0

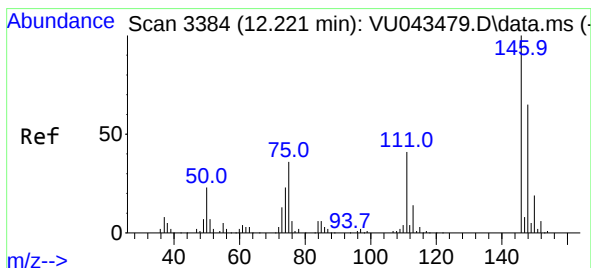
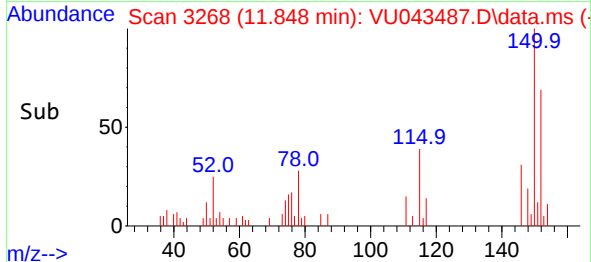
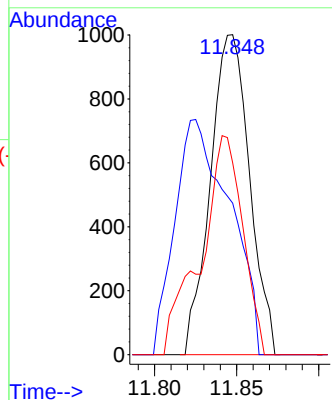
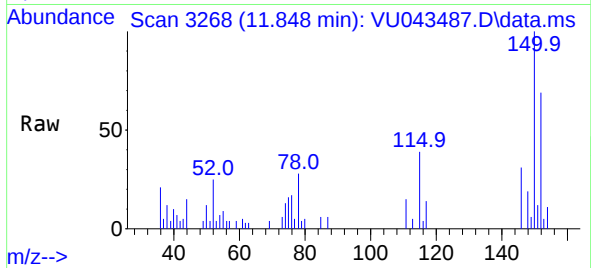




#65
1,4-Dichlorobenzene
Concen: 0.08 ug/L
RT: 11.848 min Scan# 3268
Delta R.T. 0.006 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

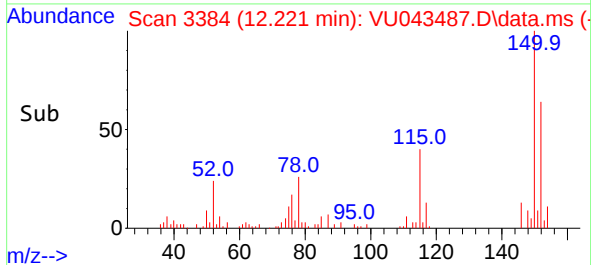
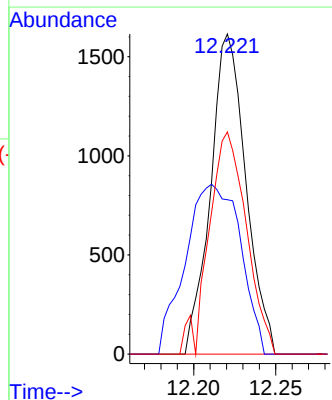
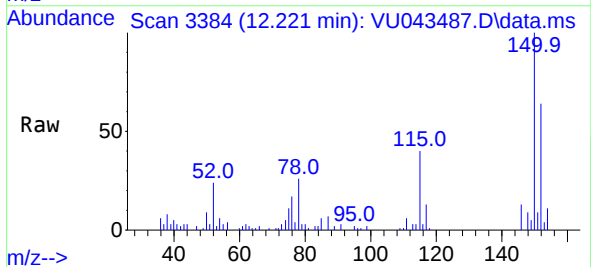
Instrument :
MSVOA_U
ClientSampled :

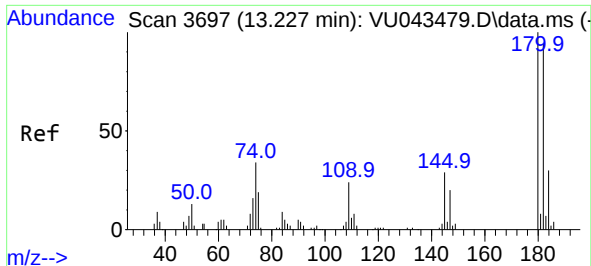
Tgt Ion:146 Resp: 1663
Ion Ratio Lower Upper
146 100
111 47.4 27.6 51.2
148 59.9 44.6 82.8



#67
1,2-Dichlorobenzene
Concen: 0.12 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. -0.000 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

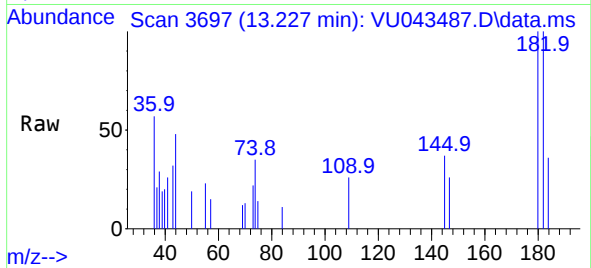
Tgt Ion:146 Resp: 2417
Ion Ratio Lower Upper
146 100
111 48.2 32.6 49.0
148 69.4 51.8 77.8



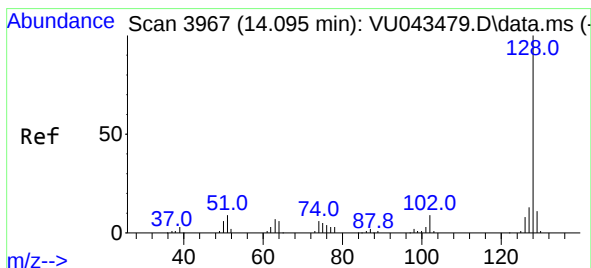
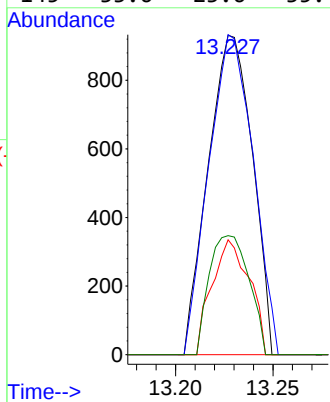
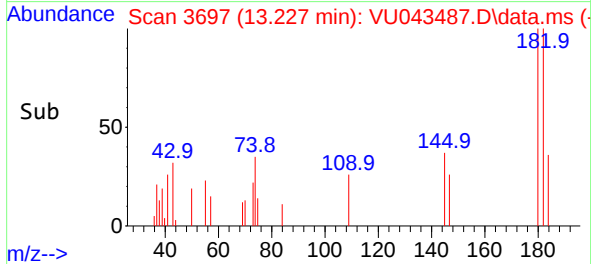


#69
1,3,5-Trichlorobenzene
Concen: 0.10 ug/L
RT: 13.227 min Scan# 3697
Delta R.T. 0.000 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

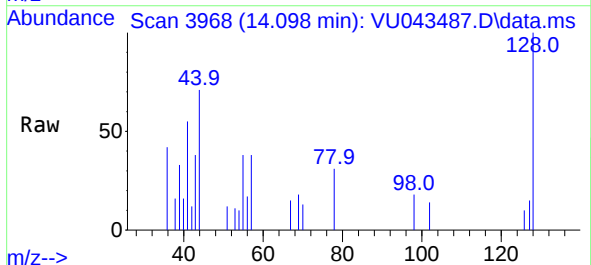
Instrument :
MSVOA_U
ClientSampled :



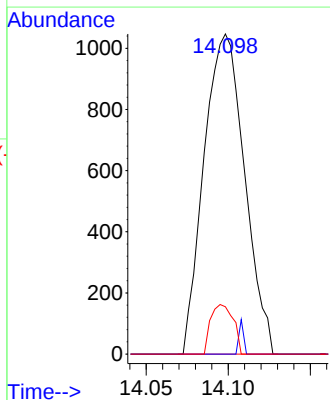
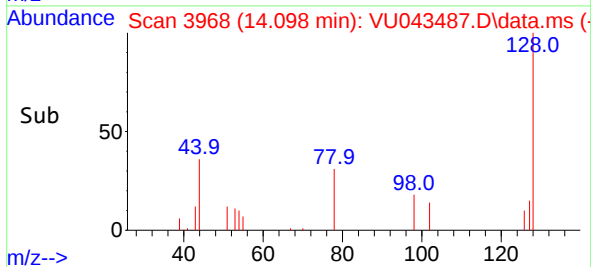
Tgt Ion:180 Resp: 1469
Ion Ratio Lower Upper
180 100
182 100.5 76.0 114.0
184 30.4 24.1 36.1
145 33.6 23.6 35.4

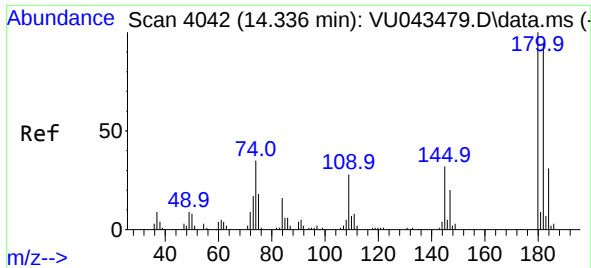


#71
Naphthalene
Concen: 0.08 ug/L
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40



Tgt Ion:128 Resp: 1801
Ion Ratio Lower Upper
128 100
129 1.2 8.9 13.3#
127 8.6 10.6 15.8#





#72
1,2,3-Trichlorobenzene
Concen: 0.29 ug/L
RT: 14.339 min Scan# 4043
Delta R.T. 0.003 min
Lab File: VU043487.D
Acq: 03 May 2021 14:40

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 3425
Ion Ratio Lower Upper
180 100
182 89.8 75.7 113.5
145 33.8 25.7 38.5

