

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040121\
 Data File : VU042883.D
 Acq On : 01 Apr 2021 18:25
 Operator : SY/MD
 Sample : M1847-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAR20MSD

Quant Time: Apr 02 05:19:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR040121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 02 05:16:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	86371	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	85718	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	41279	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	25375	4.72	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	94.40%		
7) Chloroethane-d5	1.919	69	22254	4.75	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	95.00%		
11) 1,1-Dichloroethene-d2	2.575	63	61268	4.81	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	96.20%		
20) 2-Butanone-d5	4.649	46	90609	41.66	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	83.32%		
24) Chloroform-d	5.073	84	56864	4.71	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	94.20%		
26) 1,2-Dichloroethane-d4	5.713	65	36782	4.60	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	92.00%		
32) Benzene-d6	5.735	84	102477	4.62	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	92.40%		
36) 1,2-Dichloropropane-d6	6.700	67	35215	4.85	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	97.00%		
41) Toluene-d8	7.906	98	96569	4.39	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	87.80%		
43) trans-1,3-Dichloroprop...	8.185	79	14381	4.43	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	88.60%		
46) 2-Hexanone-d5	8.645	63	81108	49.11	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	98.22%		
57) 1,1,2,2-Tetrachloroeth...	10.764	84	30071	4.65	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	93.00%		
64) 1,2-Dichlorobenzene-d4	12.201	152	40041	5.17	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	103.40%		
Target Compounds						
3) Chloromethane	1.523	50	417	0.06	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	644	0.11	ug/L #	33
12) 1,1-Dichloroethene	2.588	96	26831	4.78	ug/L	85
13) Acetone	2.655	43	22179	17.03	ug/L	92
15) Methyl Acetate	3.006	43	433	0.15	ug/L #	55
25) Chloroform	5.099	83	5210	0.41	ug/L	91
27) 1,2-Dichloroethane	5.784	62	1278	0.14	ug/L #	75
33) Benzene	5.784	78	120719	4.85	ug/L	100
34) Trichloroethene	6.549	95	155779	23.28	ug/L	97
35) Methylcyclohexane	6.700	83	8017	0.80	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	4184	0.62	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1003	0.10	ug/L #	61
42) Toluene	7.976	91	131364	4.80	ug/L	96
44) trans-1,3-Dichloropropene	8.192	75	838	0.09	ug/L	97
47) Tetrachloroethene	8.562	164	29367	5.37	ug/L	93
48) 2-Hexanone	8.645	43	13180	3.02	ug/L #	71
49) Dibromochloromethane	8.558	129	27983	4.51	ug/L #	12
51) Chlorobenzene	9.455	112	85872	4.92	ug/L	99
59) 1,2,3-Trichloropropane	11.819	75	5125	1.06	ug/L #	82

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Quant Time: Apr 02 05:19:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR040121WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 02 05:16:37 2021
Response via : Initial Calibration

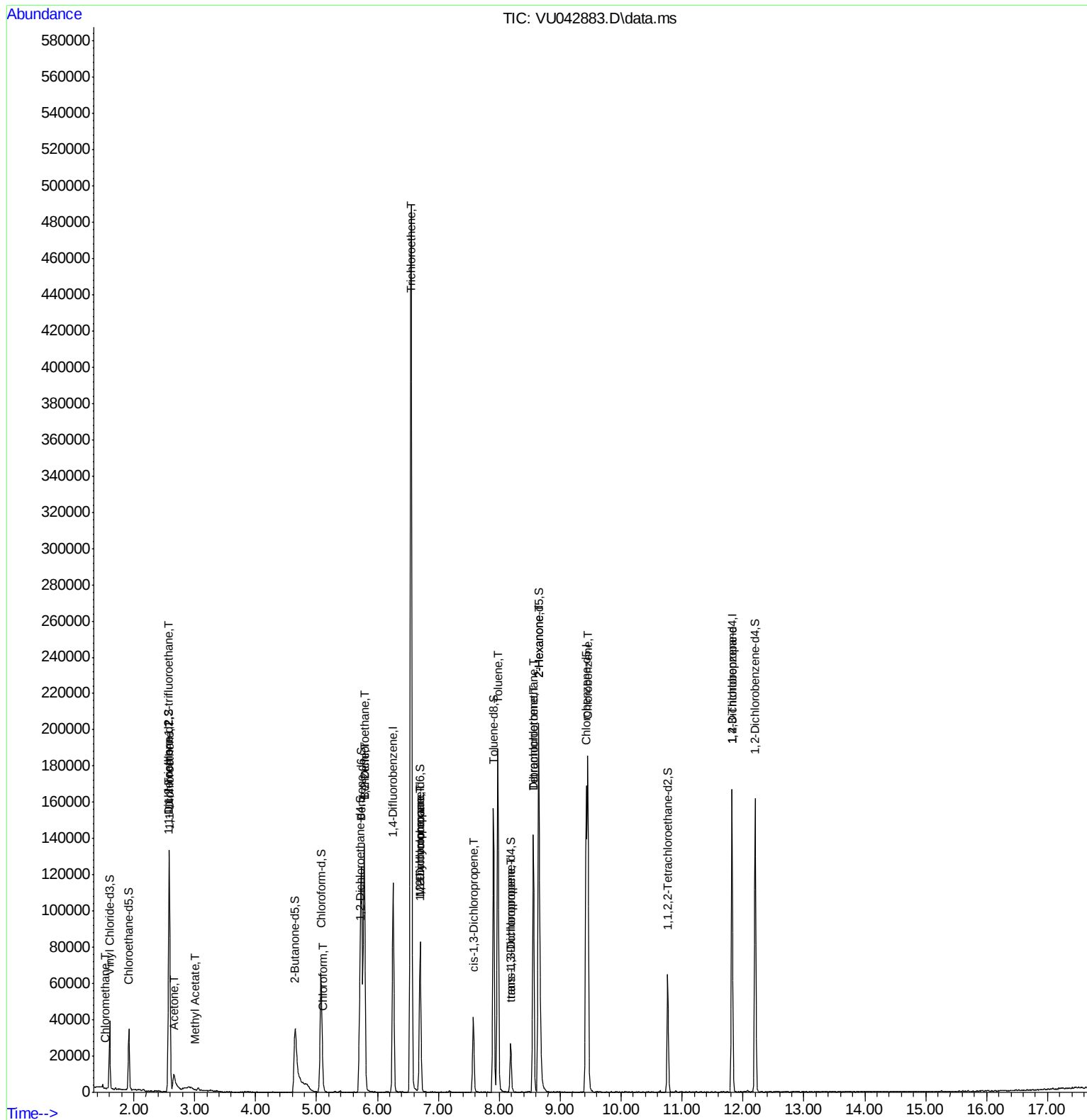
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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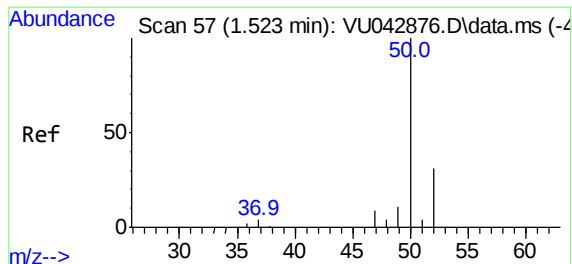
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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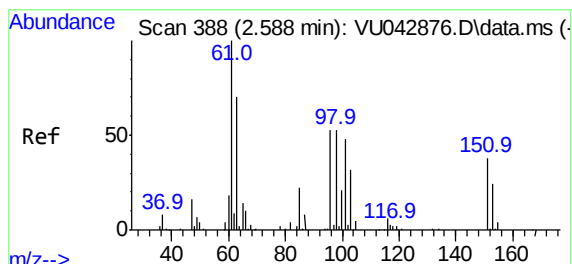
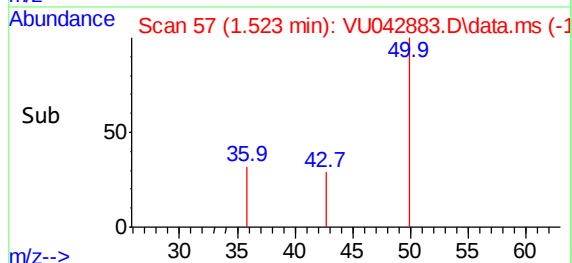
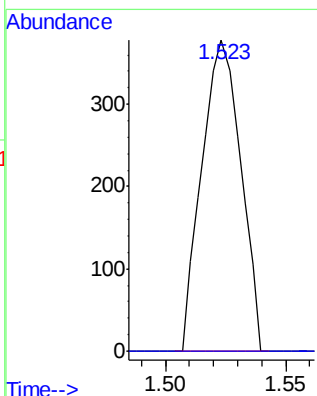
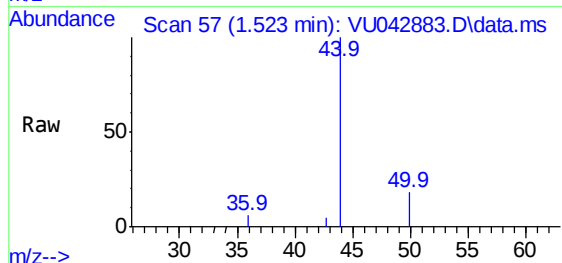




#3
Chloromethane
Concen: 0.06 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

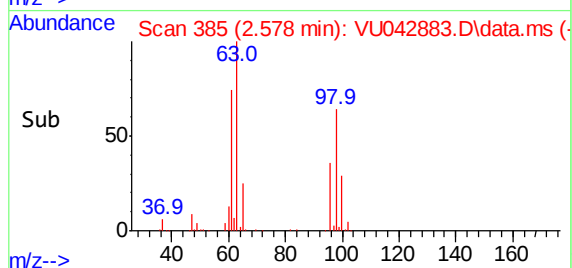
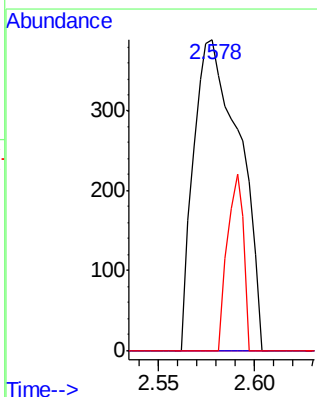
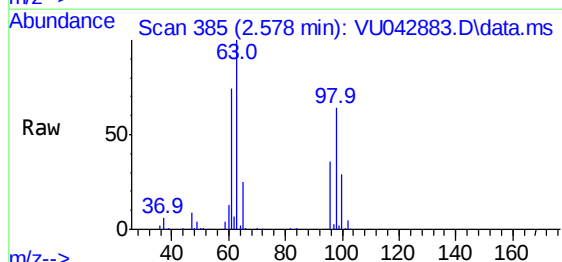
Instrument :
MSVOA_U
ClientSampleId :
YAR20MSD

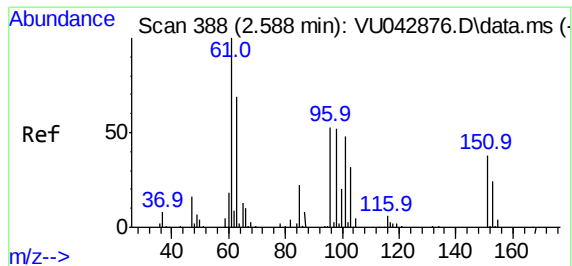
Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 0.0 23.0 42.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.11 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Tgt Ion:101 Resp: 644
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 20.3 62.7 94.1#

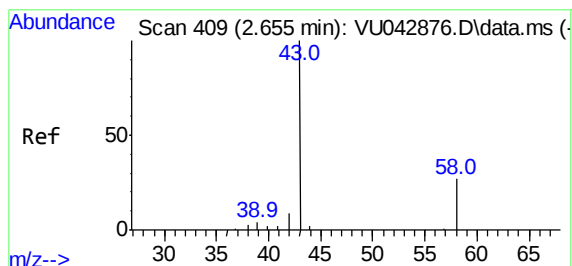
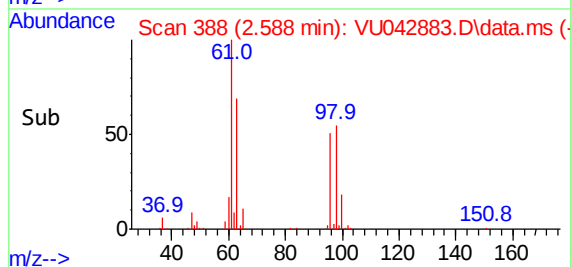
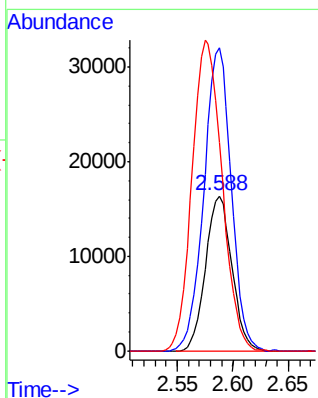
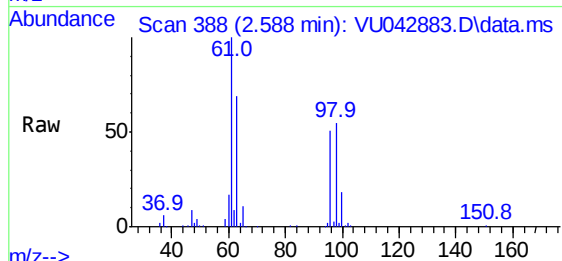




#12
1,1-Dichloroethene
Concen: 4.78 ug/L
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

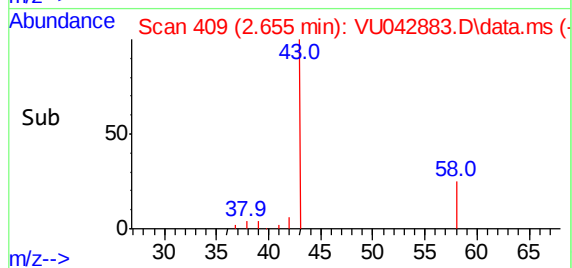
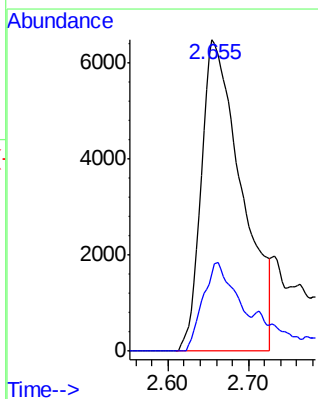
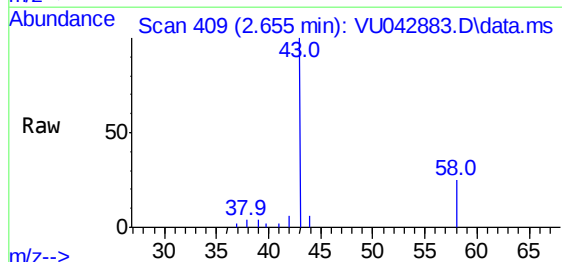
Instrument :
MSVOA_U
ClientSampleId :
YAR20MSD

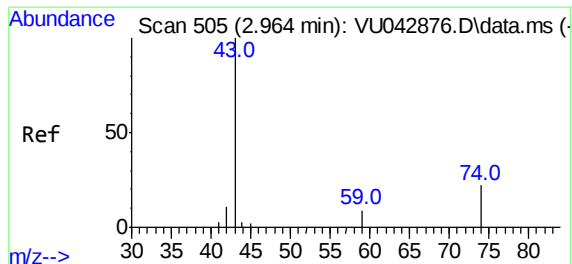
Tgt Ion: 96 Resp: 26831
Ion Ratio Lower Upper
96 100
61 194.9 126.2 234.4
63 134.2 77.8 144.4



#13
Acetone
Concen: 17.03 ug/L
RT: 2.655 min Scan# 409
Delta R.T. -0.000 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Tgt Ion: 43 Resp: 22179
Ion Ratio Lower Upper
43 100
58 23.7 0.0 55.8

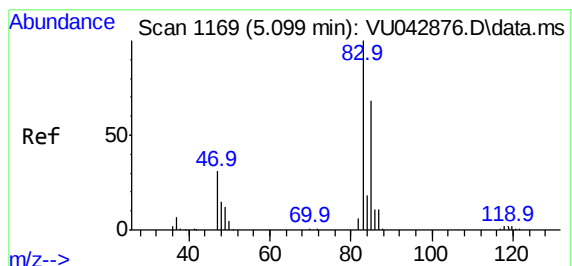
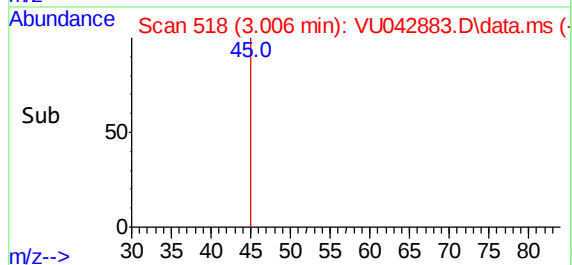
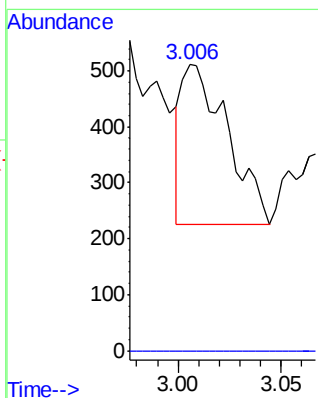
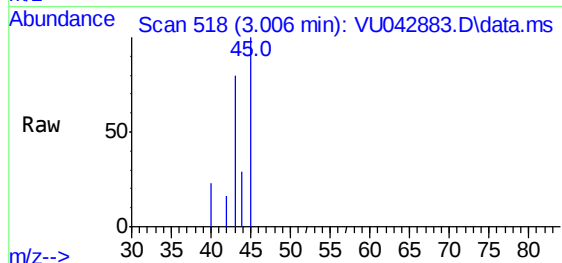




#15
Methyl Acetate
Concen: 0.15 ug/L
RT: 3.006 min Scan# 518
Delta R.T. 0.042 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

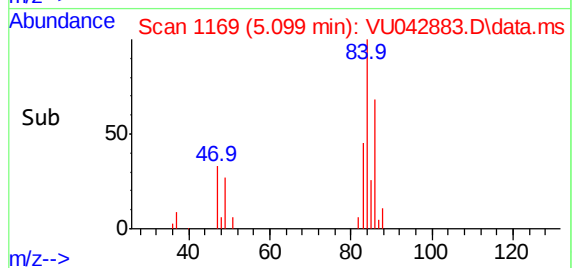
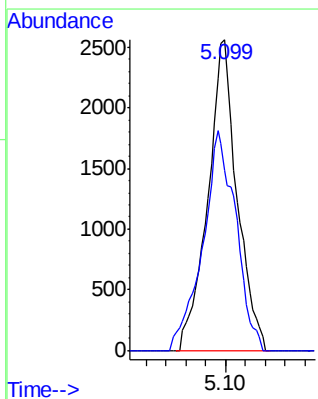
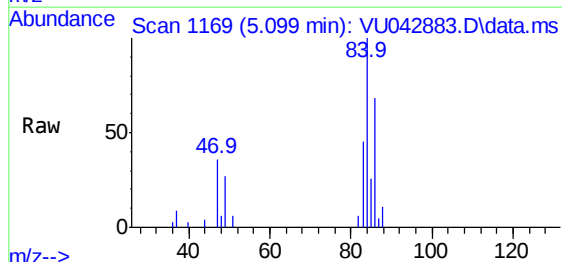
Instrument :
MSVOA_U
ClientSampleId :
YAR20MSD

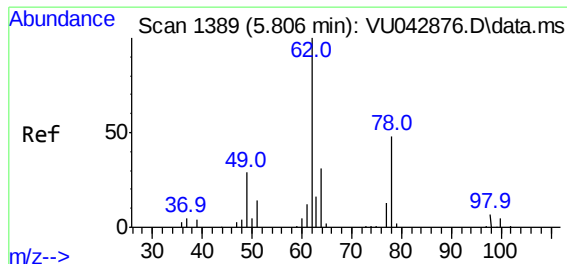
Tgt Ion: 43 Resp: 433
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#25
Chloroform
Concen: 0.41 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Tgt Ion: 83 Resp: 5210
Ion Ratio Lower Upper
83 100
85 58.0 45.7 84.9

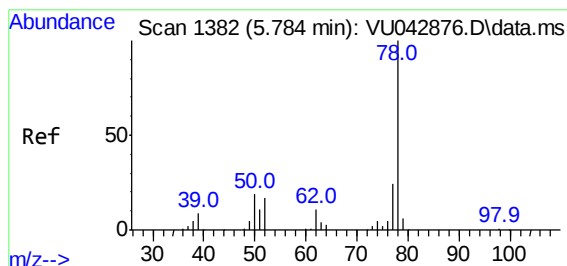
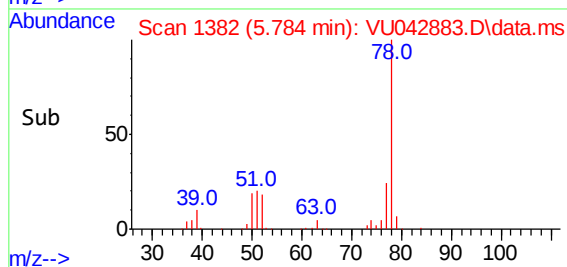
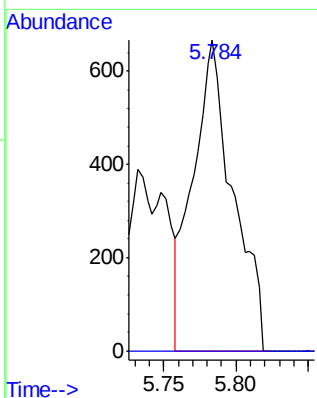
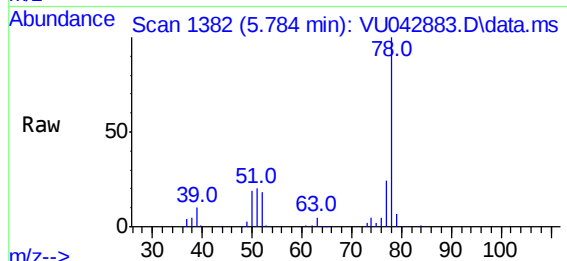




#27
1,2-Dichloroethane
Concen: 0.14 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.023 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

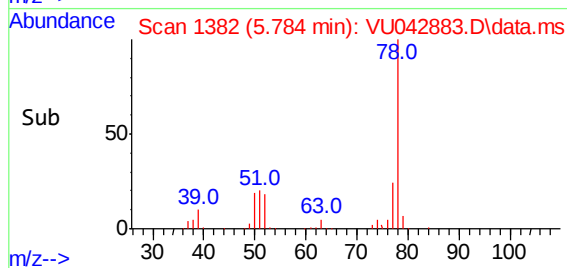
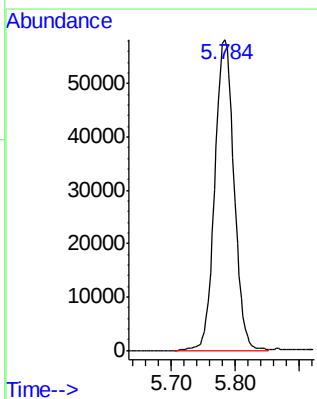
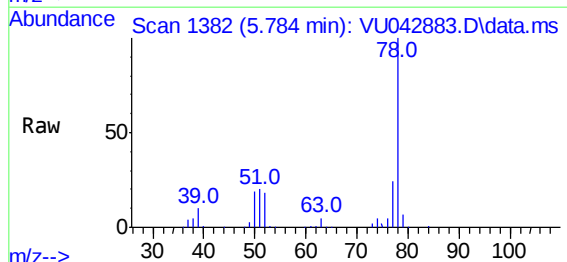
Instrument :
MSVOA_U
ClientSampled :
YAR20MSD

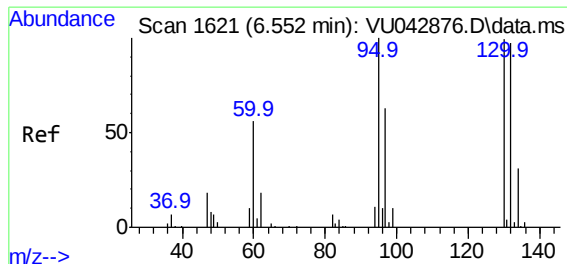
Tgt Ion: 62 Resp: 1278
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 4.85 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Tgt Ion: 78 Resp: 120719



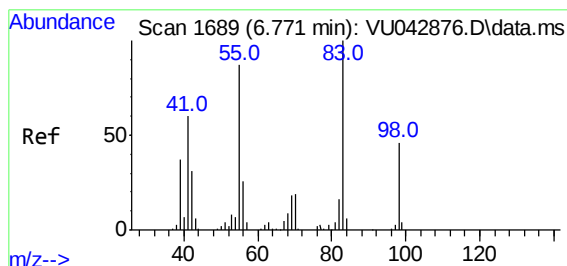
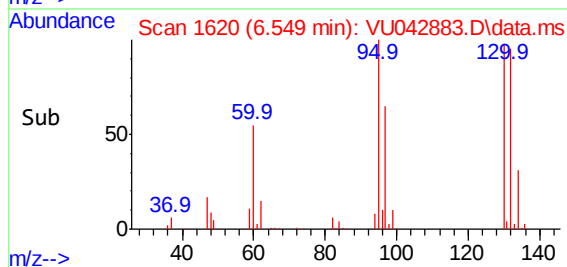
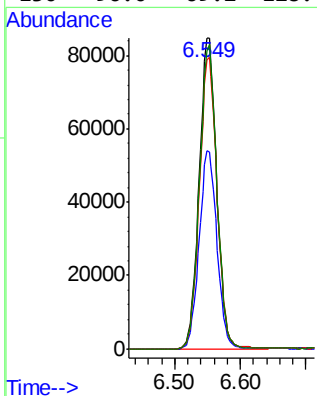
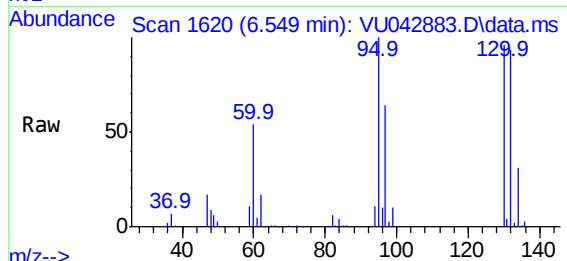


#34
Trichloroethene
Concen: 23.28 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Instrument :
MSVOA_U
ClientSampleId :
YAR20MSD

Tgt Ion: 95 Resp: 155779

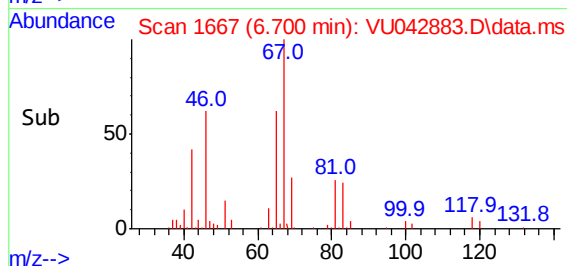
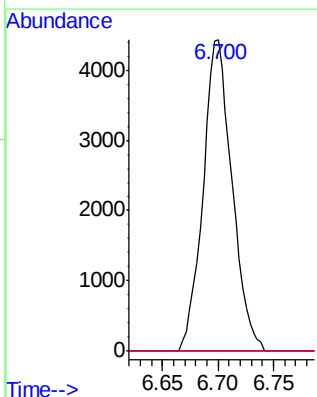
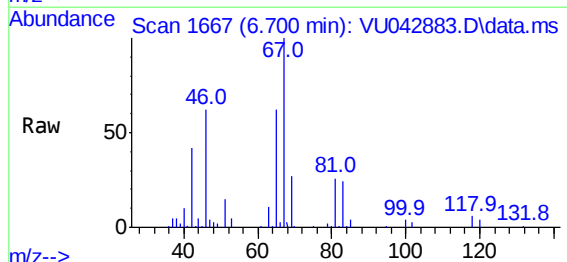
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.4	82.4
132	92.8	68.0	126.4
130	96.0	69.2	128.4

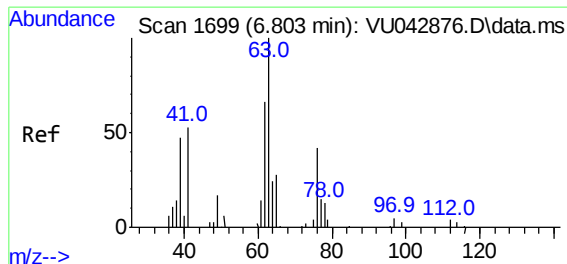


#35
Methylcyclohexane
Concen: 0.80 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Tgt Ion: 83 Resp: 8017

Ion	Ratio	Lower	Upper
83	100		
55	0.0	68.2	102.4#
98	5.4	39.7	59.5#

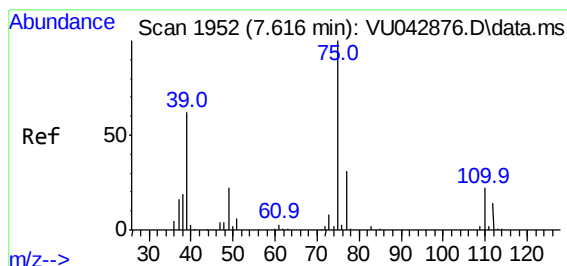
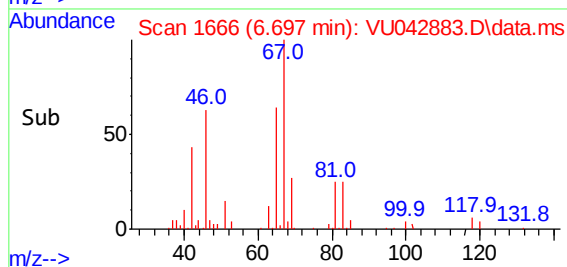
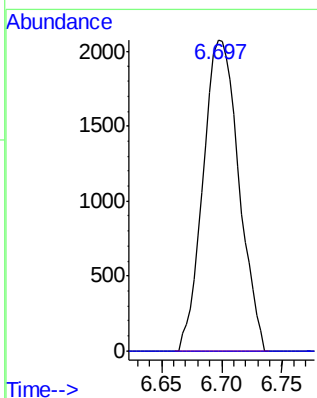
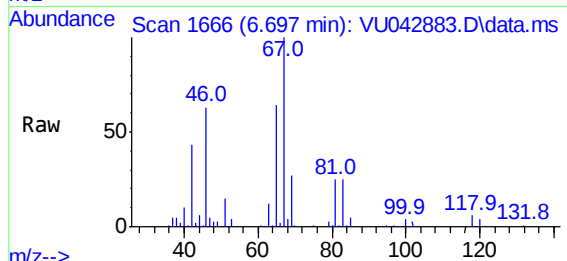




#37
1,2-Dichloropropane
Concen: 0.62 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.106 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

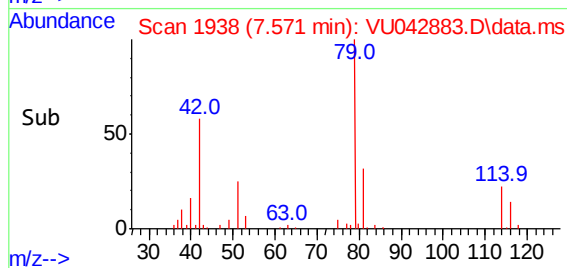
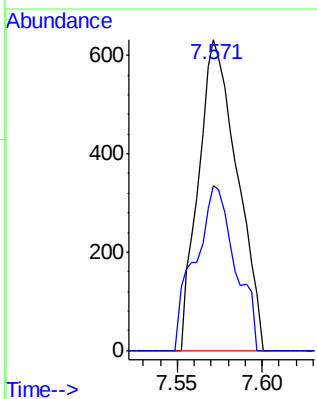
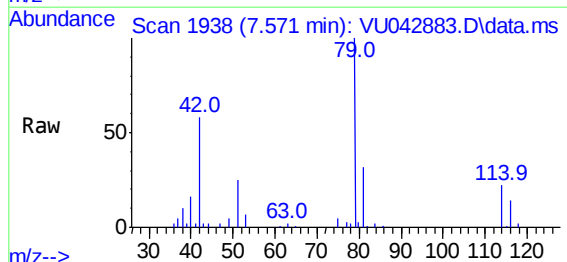
Instrument :
MSVOA_U
ClientSampleId :
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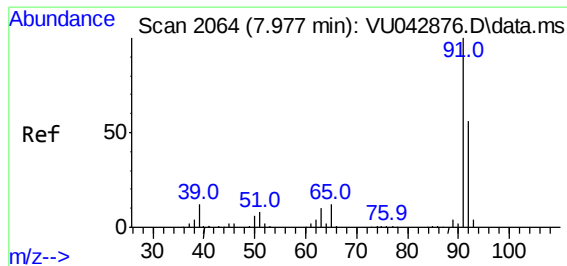
Tgt Ion: 63 Resp: 4184
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Tgt Ion: 75 Resp: 1003
Ion Ratio Lower Upper
75 100
77 53.0 22.0 40.8#

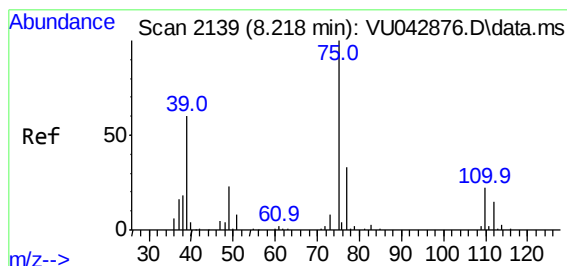
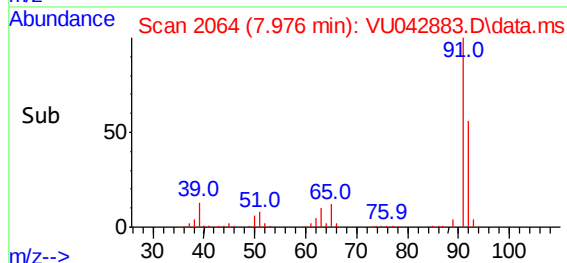
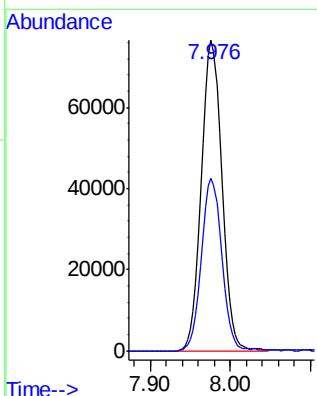
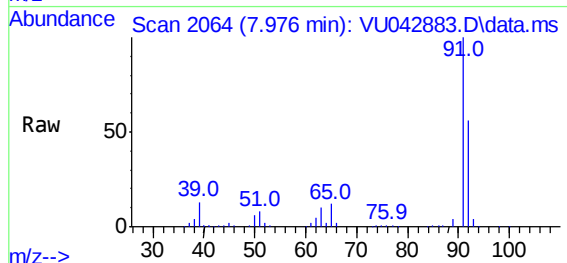




#42
Toluene
Concen: 4.80 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

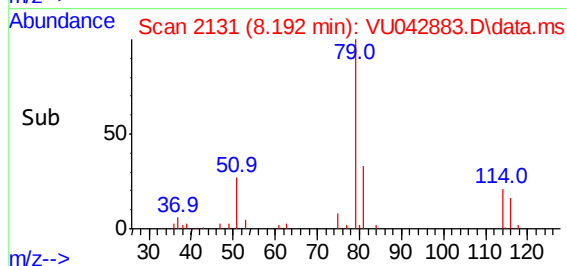
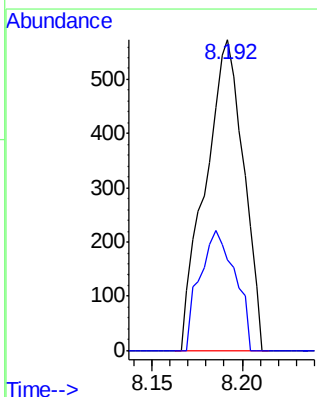
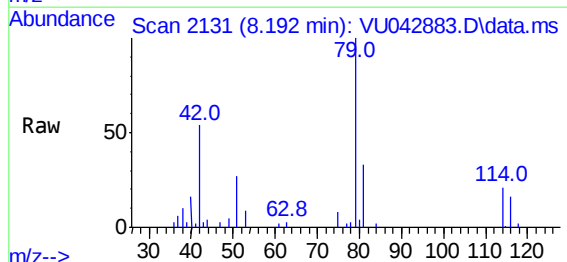
Instrument :
MSVOA_U
ClientSampleId :
YAR20MSD

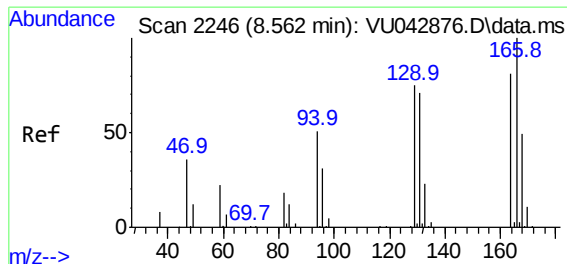
Tgt Ion: 91 Resp: 131364
Ion Ratio Lower Upper
91 100
92 55.6 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 8.192 min Scan# 2131
Delta R.T. -0.026 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Tgt Ion: 75 Resp: 838
Ion Ratio Lower Upper
75 100
77 29.3 21.8 40.4



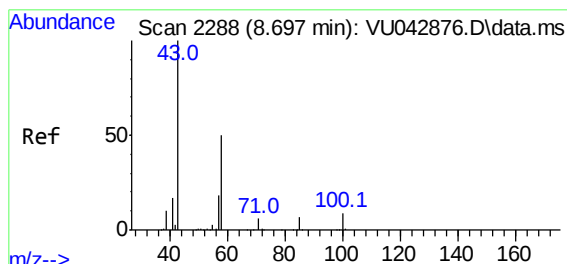
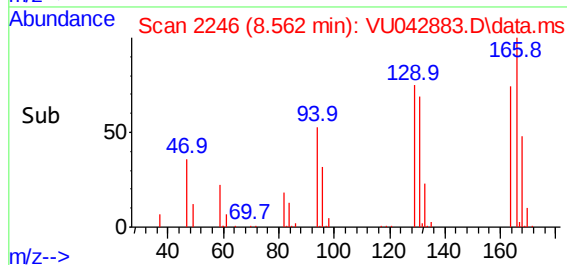
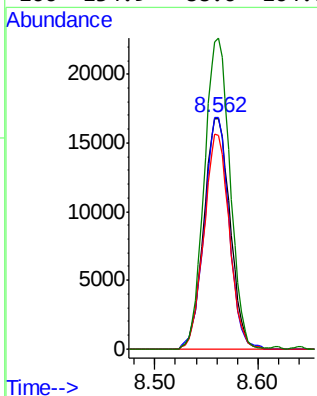
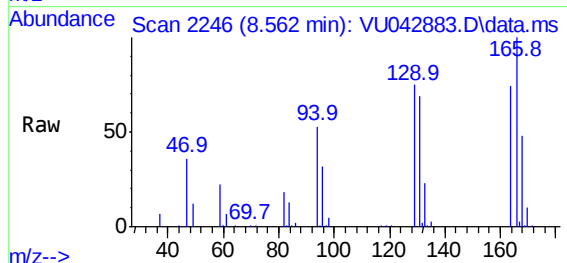


#47
Tetrachloroethene
Concen: 5.37 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Instrument :
MSVOA_U
ClientSampleId :
YAR20MSD

Tgt Ion:164 Resp: 29367

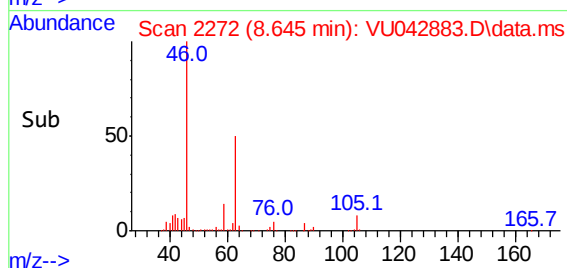
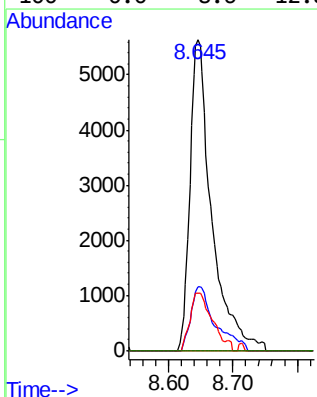
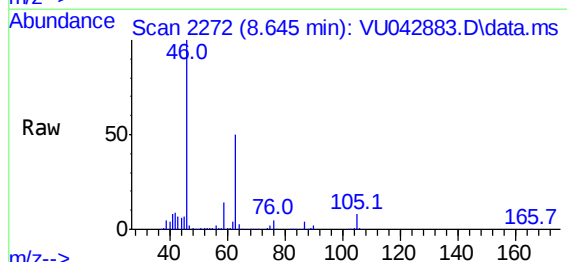
Ion	Ratio	Lower	Upper
164	100		
129	100.5	64.3	119.5
131	92.7	62.2	115.6
166	134.9	88.6	164.6

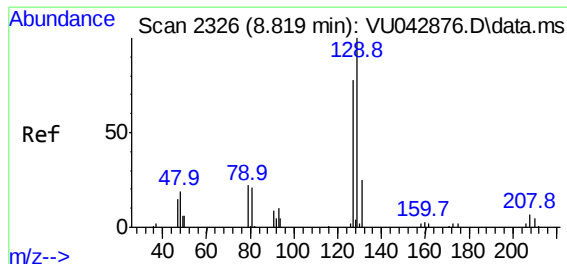


#48
2-Hexanone
Concen: 3.02 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.052 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Tgt Ion: 43 Resp: 13180

Ion	Ratio	Lower	Upper
43	100		
58	23.0	40.6	61.0#
57	18.3	14.9	22.3
100	0.0	8.6	12.8#

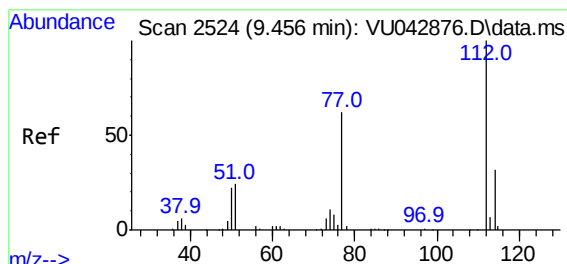
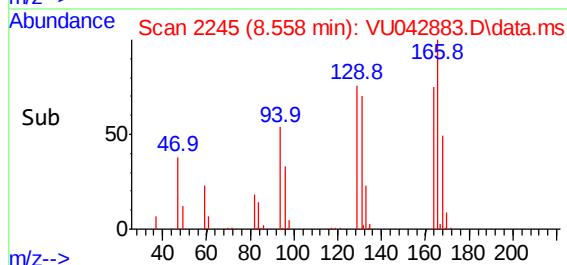
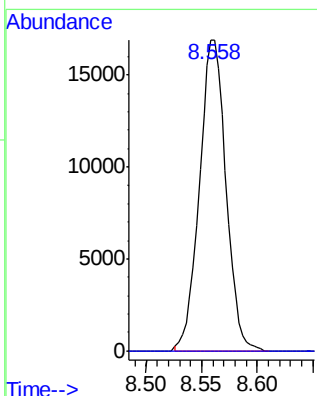
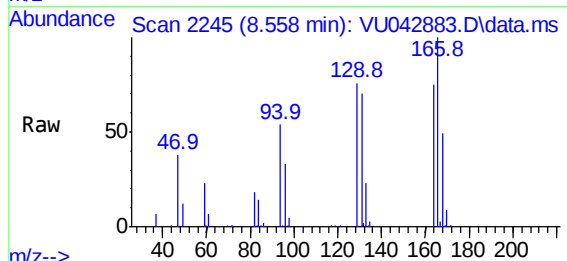




#49
Dibromochloromethane
Concen: 4.51 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.261 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

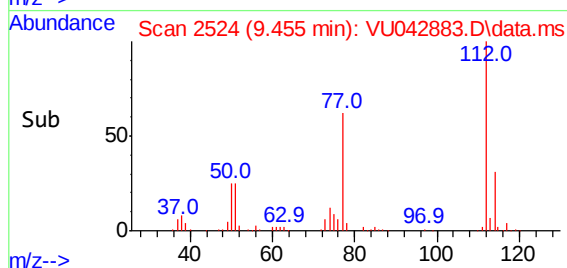
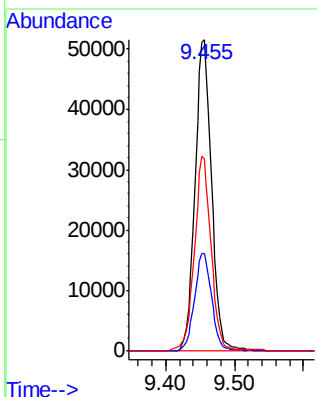
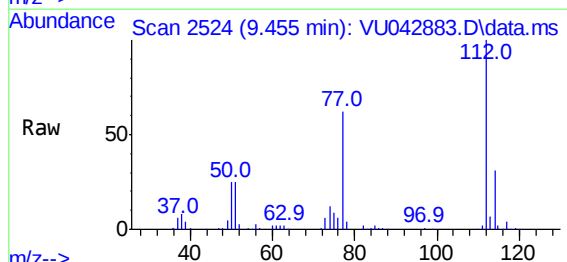
Instrument :
MSVOA_U
ClientSampleId :
YAR20MSD

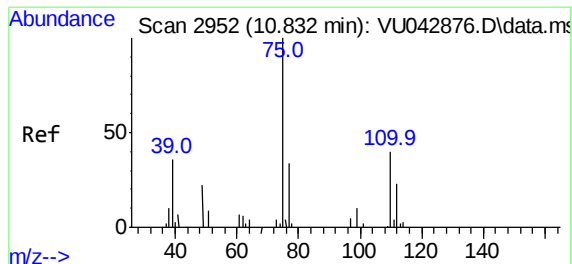
Tgt Ion:129 Resp: 27983
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#51
Chlorobenzene
Concen: 4.92 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. -0.000 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Tgt Ion:112 Resp: 85872
Ion Ratio Lower Upper
112 100
114 31.3 22.0 41.0
77 61.7 49.8 74.6





#59
1,2,3-Trichloropropane
Concen: 1.06 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042883.D
Acq: 01 Apr 2021 18:25

Instrument :
MSVOA_U
ClientSampleId :
YAR20MSD

Tgt Ion: 75 Resp: 5125
Ion Ratio Lower Upper
75 100
77 42.4 26.0 39.0#

