

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031921\
 Data File : VU042725.D
 Acq On : 19 Mar 2021 17:01
 Operator : SY/MD
 Sample : M1744-07MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZF6MSD

Quant Time: Mar 20 05:52:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 20 05:47:33 2021
 Response via : Initial Calibration

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

Internal Standards					
1) 1,4-Difluorobenzene	6.260	114	73970	5.00 ug/L	0.00
28) Chlorobenzene-d5	9.423	117	72869	5.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	35167	5.00 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.601	65	24310	4.93 ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 98.60%
7) Chloroethane-d5	1.919	69	21443	5.74 ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 114.80%
11) 1,1-Dichloroethene-d2	2.575	63	53787	4.83 ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 96.60%
20) 2-Butanone-d5	4.646	46	85546	52.84 ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 105.68%
24) Chloroform-d	5.073	84	47564	4.88 ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 97.60%
26) 1,2-Dichloroethane-d4	5.710	65	30801	5.13 ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 102.60%
32) Benzene-d6	5.735	84	86395	4.84 ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 96.80%
36) 1,2-Dichloropropane-d6	6.700	67	28076	4.87 ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 97.40%
41) Toluene-d8	7.906	98	79894	4.58 ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 91.60%
43) trans-1,3-Dichloroprop...	8.189	79	11418	4.24 ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 84.80%
46) 2-Hexanone-d5	8.645	63	60682	47.07 ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 94.14%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	23841	4.64 ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 92.80%
64) 1,2-Dichlorobenzene-d4	12.201	152	31945	5.01 ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 100.20%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.388	85	53234	7.73 ug/L	100
3) Chloromethane	1.523	50	363	0.06 ug/L #	42
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	367	0.07 ug/L #	18
12) 1,1-Dichloroethene	2.588	96	23721	4.55 ug/L	92
14) Carbon disulfide	2.800	76	193944	11.69 ug/L	100
21) 2-Butanone	4.822	43	10993	5.18 ug/L #	57
22) cis-1,2-Dichloroethene	4.678	96	34021	5.81 ug/L	99
25) Chloroform	5.096	83	1117	0.10 ug/L	94
27) 1,2-Dichloroethane	5.787	62	607	0.07 ug/L #	75
33) Benzene	5.784	78	113286	4.97 ug/L	100
34) Trichloroethene	6.549	95	95424	15.10 ug/L	98
35) Methylcyclohexane	6.700	83	6472	0.67 ug/L #	14
37) 1,2-Dichloropropane	6.697	63	3528	0.57 ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1049	0.12 ug/L	84
42) Toluene	7.977	91	116820	4.70 ug/L	95
44) trans-1,3-Dichloropropene	8.189	75	525	0.06 ug/L #	57
47) Tetrachloroethene	8.559	164	34366	6.67 ug/L	96
48) 2-Hexanone	8.645	43	9551	2.41 ug/L #	69
49) Dibromochloromethane	8.559	129	30958	5.45 ug/L #	12
51) Chlorobenzene	9.452	112	74832	4.71 ug/L	98

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QLast Update : Sat Mar 20 05:47:33 2021
Response via : Initial Calibration

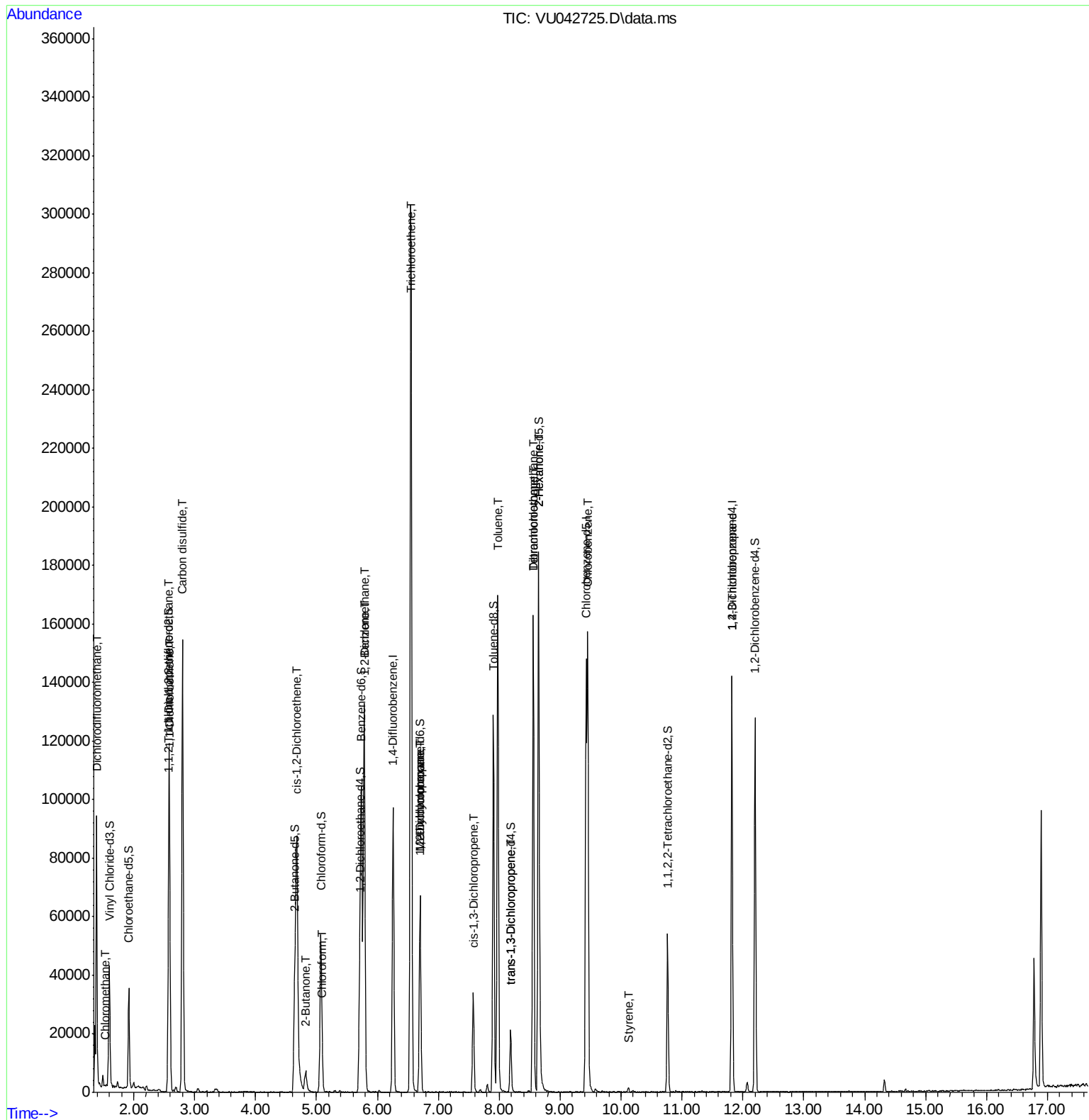
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.121	104	890	0.05	ug/L	93
59) 1,2,3-Trichloropropane	11.819	75	4205	0.91	ug/L #	78

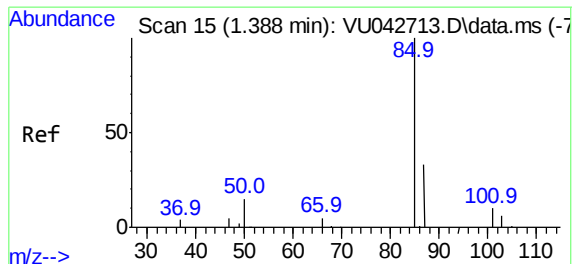
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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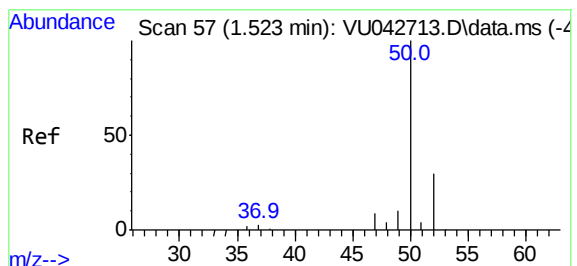
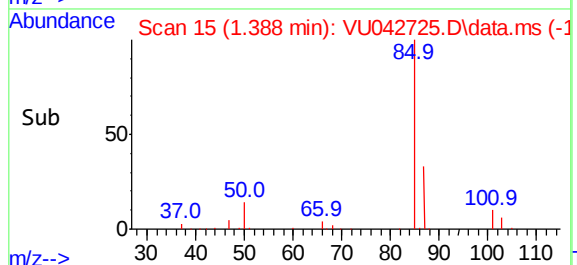
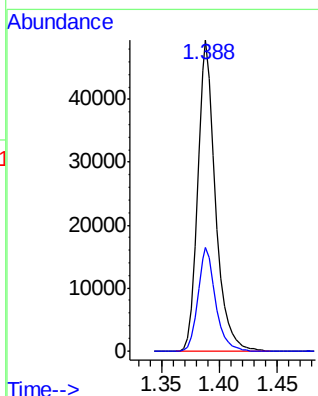
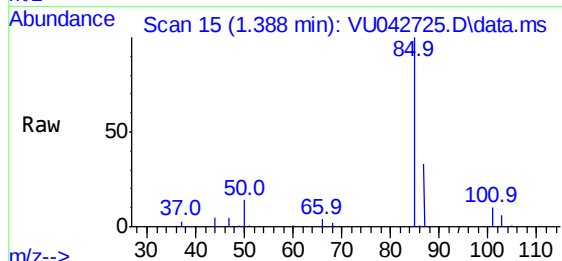




#2
Dichlorodifluoromethane
Concen: 7.73 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

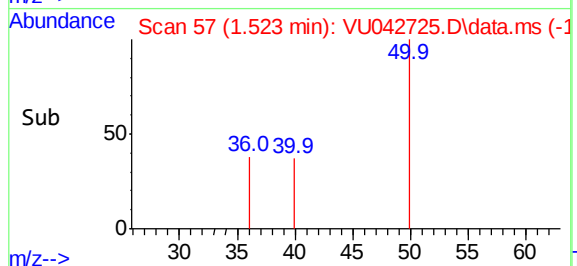
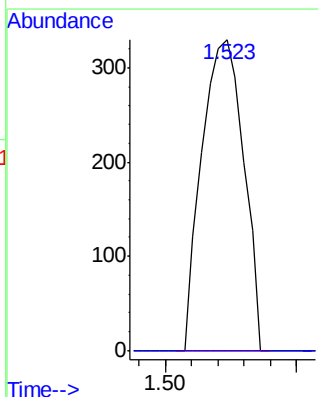
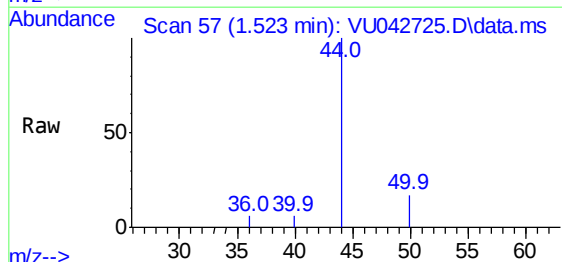
Instrument :
MSVOA_U
ClientSampleId :
ETZF6MSD

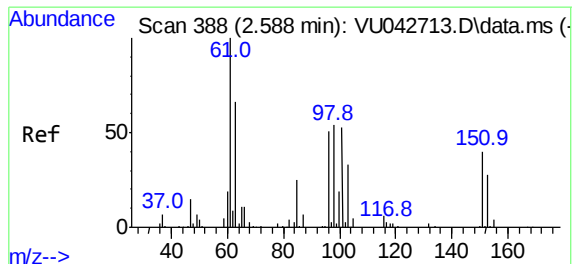
Tgt Ion: 85 Resp: 53234
Ion Ratio Lower Upper
85 100
87 32.7 26.1 39.1



#3
Chloromethane
Concen: 0.06 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Tgt Ion: 50 Resp: 363
Ion Ratio Lower Upper
50 100
52 0.0 23.0 42.8#

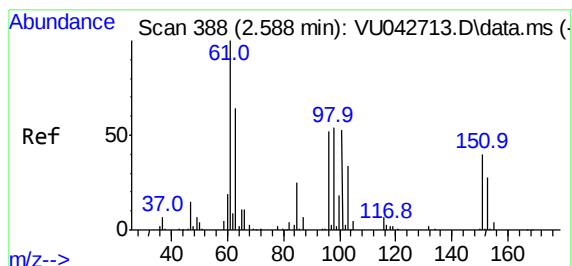
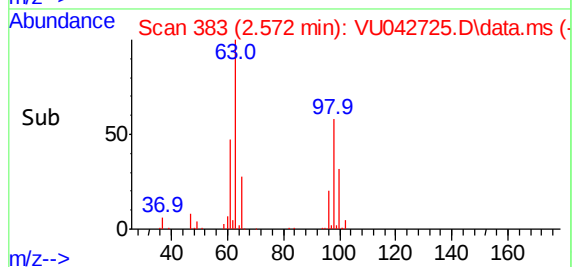
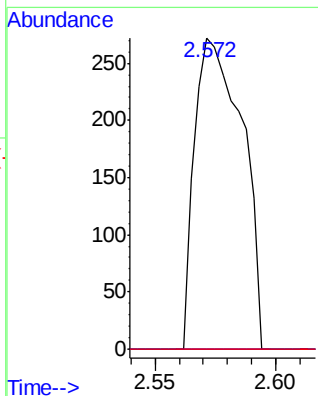
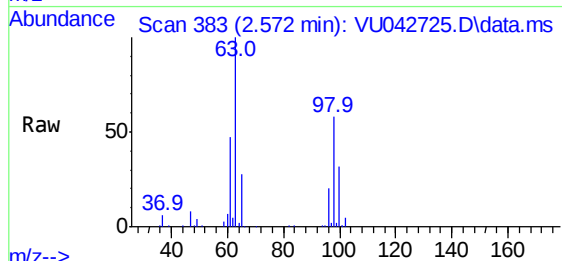




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.07 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU042725.D
 Acq: 19 Mar 2021 17:01

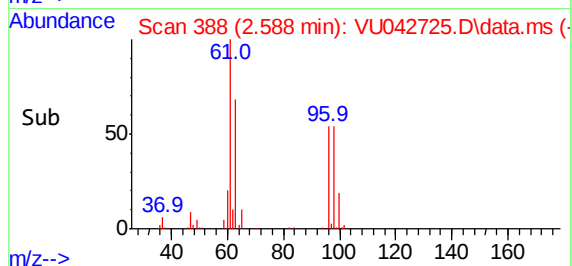
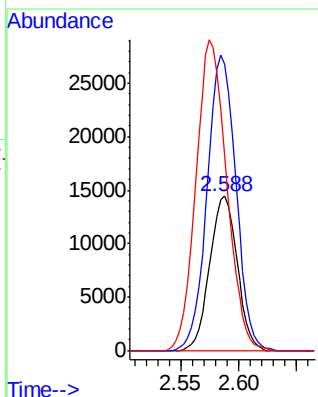
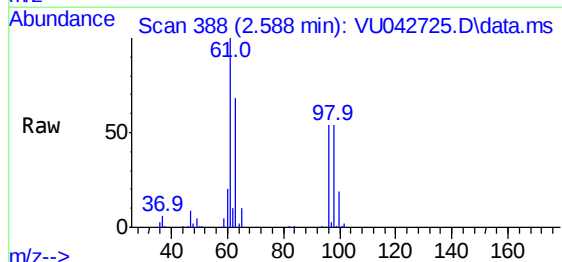
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZF6MSD

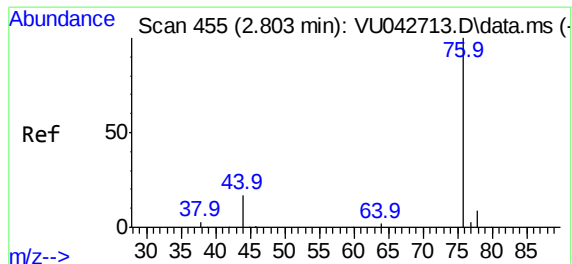
Tgt Ion:101 Resp: 367
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 4.55 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU042725.D
 Acq: 19 Mar 2021 17:01

Tgt Ion: 96 Resp: 23721
 Ion Ratio Lower Upper
 96 100
 61 185.8 126.2 234.4
 63 127.0 77.8 144.4

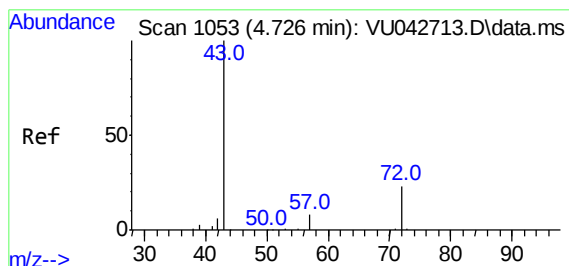
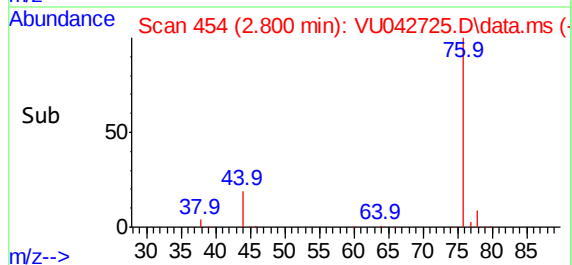
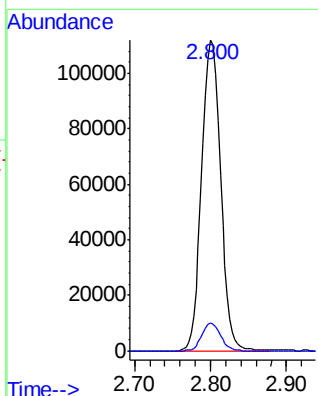
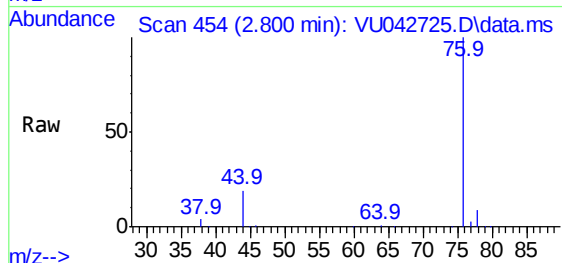




#14
Carbon disulfide
Concen: 11.69 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.003 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

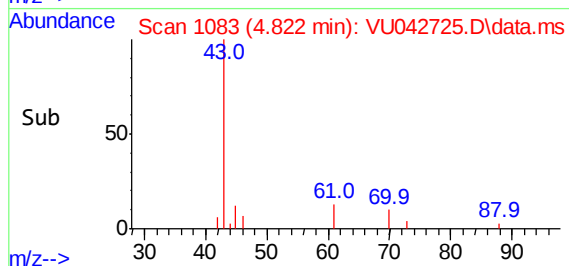
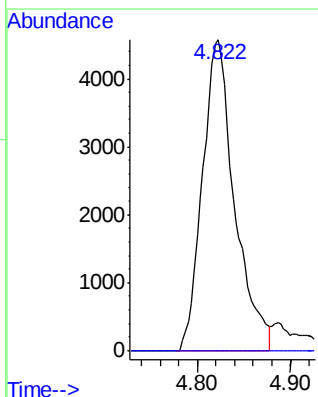
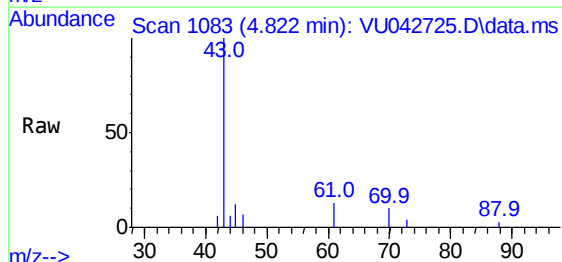
Instrument :
MSVOA_U
ClientSampleId :
ETZF6MSD

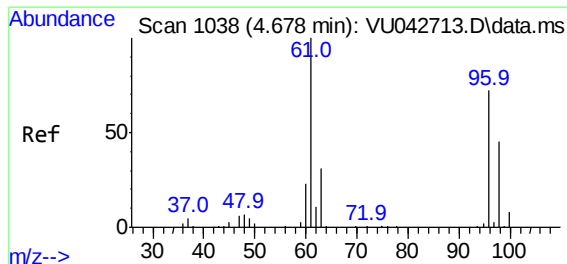
Tgt Ion: 76 Resp: 193944
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#21
2-Butanone
Concen: 5.18 ug/L
RT: 4.822 min Scan# 1083
Delta R.T. 0.097 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Tgt Ion: 43 Resp: 10993
Ion Ratio Lower Upper
43 100
72 2.2 11.7 35.1#



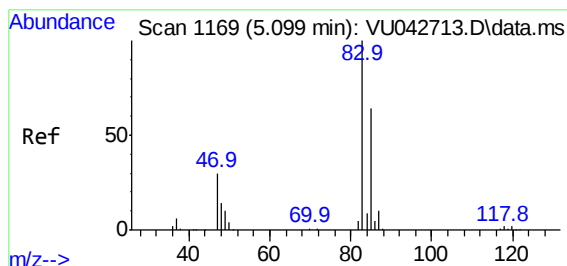
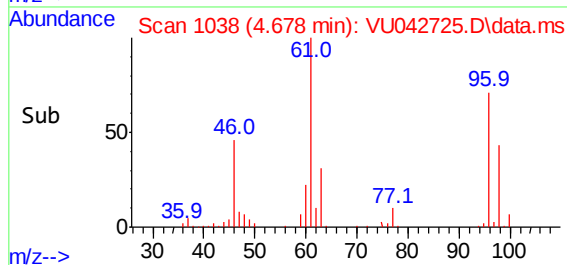
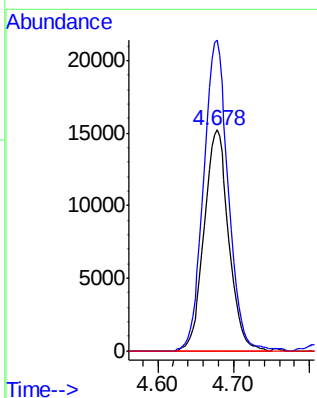
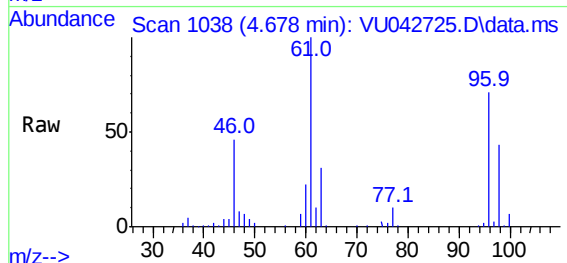


#22
 cis-1,2-Dichloroethene
 Concen: 5.81 ug/L
 RT: 4.678 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VU042725.D
 Acq: 19 Mar 2021 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZF6MSD

Tgt Ion: 96 Resp: 34021

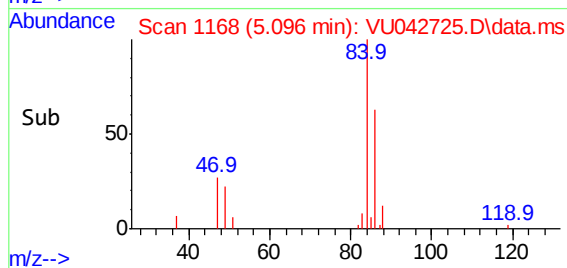
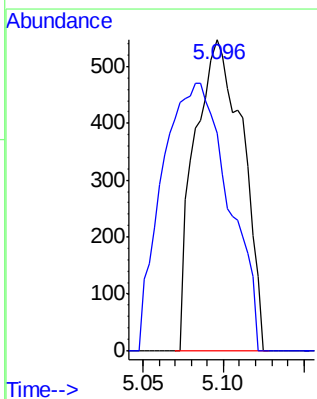
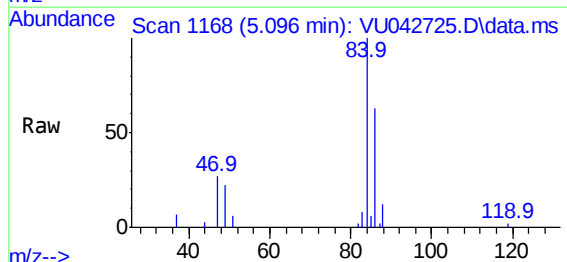
Ion	Ratio	Lower	Upper
96	100		
61	140.7	97.8	181.6
68	0.0	0.0	0.0

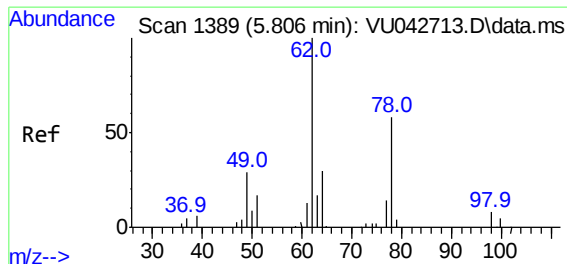


#25
 Chloroform
 Concen: 0.10 ug/L
 RT: 5.096 min Scan# 1168
 Delta R.T. -0.003 min
 Lab File: VU042725.D
 Acq: 19 Mar 2021 17:01

Tgt Ion: 83 Resp: 1117

Ion	Ratio	Lower	Upper
83	100		
85	69.8	45.7	84.9

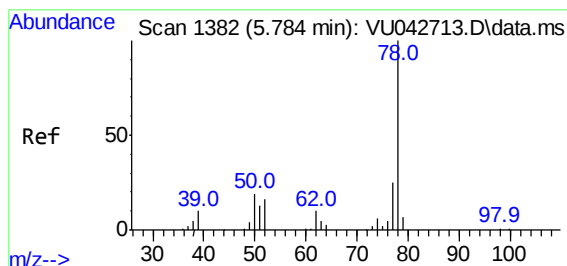
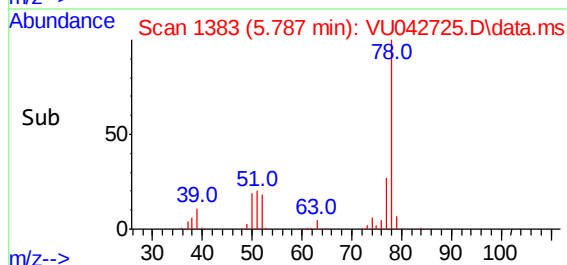
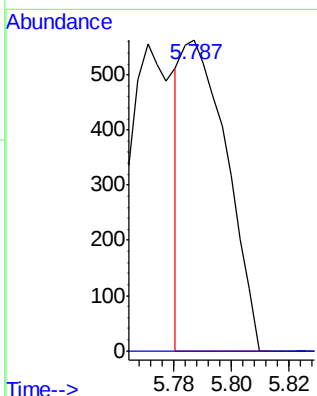
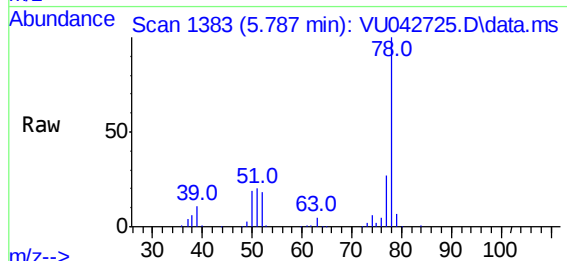




#27
1,2-Dichloroethane
Concen: 0.07 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.019 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

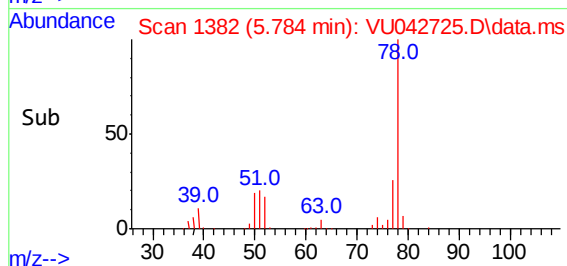
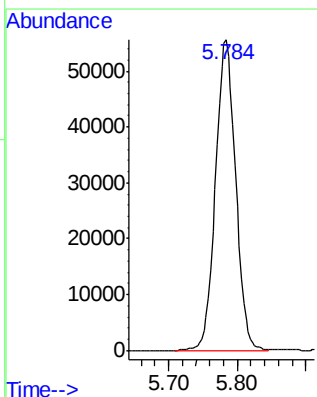
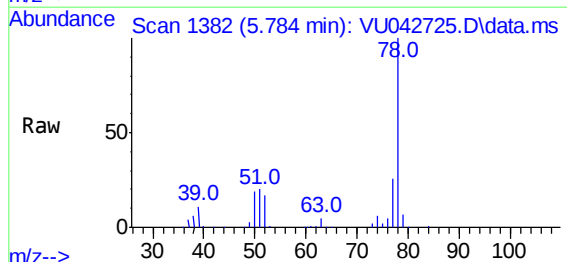
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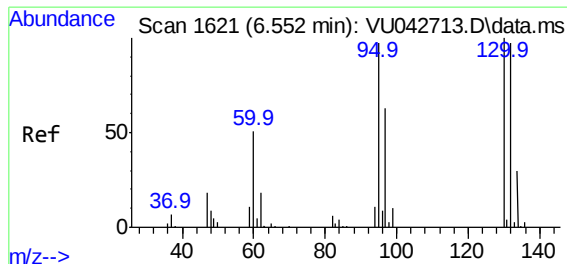
Tgt Ion: 62 Resp: 607
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 4.97 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Tgt Ion: 78 Resp: 113286



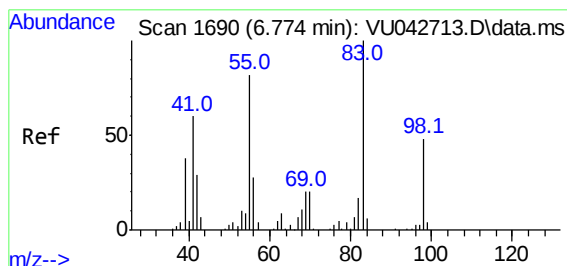
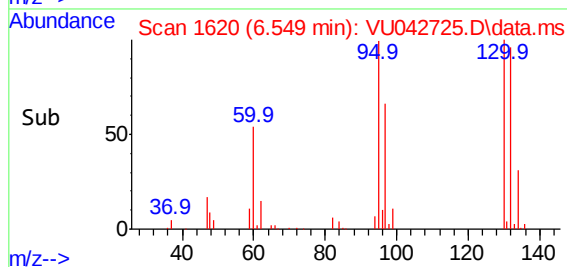
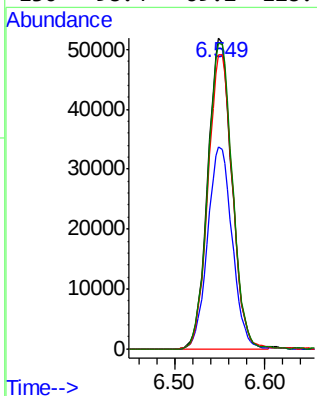
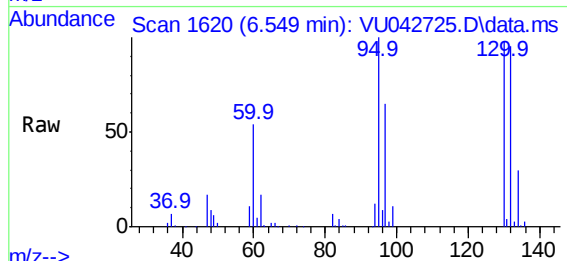


#34
Trichloroethene
Concen: 15.10 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Instrument :
MSVOA_U
ClientSampleId :
ETZF6MSD

Tgt Ion: 95 Resp: 95424

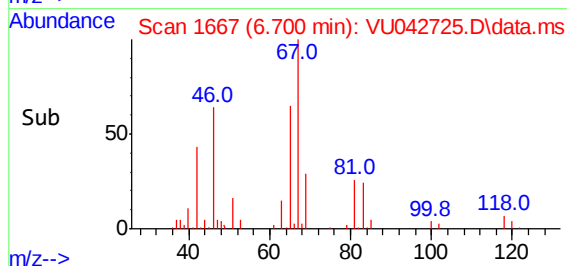
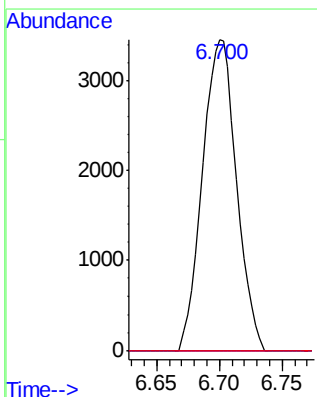
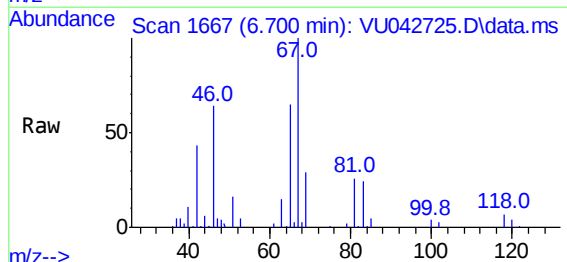
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.4	82.4
132	94.7	68.0	126.4
130	98.4	69.2	128.4

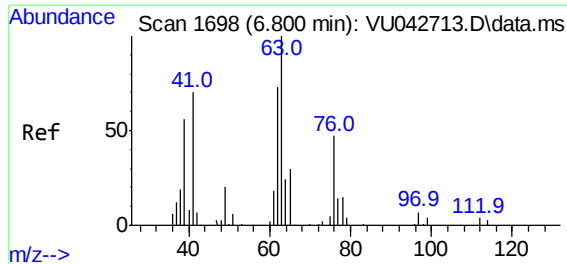


#35
Methylcyclohexane
Concen: 0.67 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Tgt Ion: 83 Resp: 6472

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

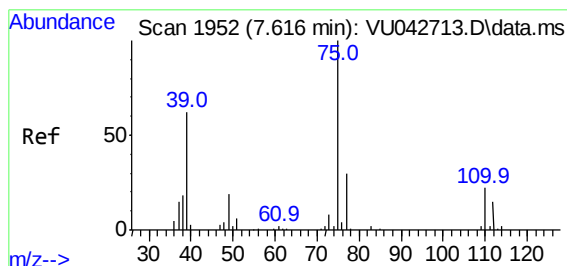
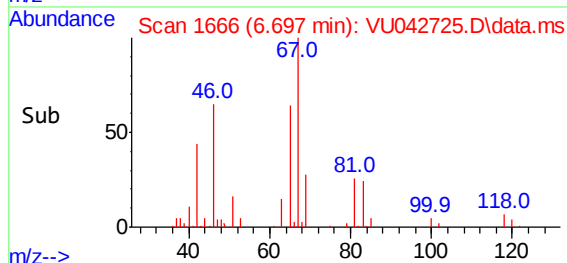
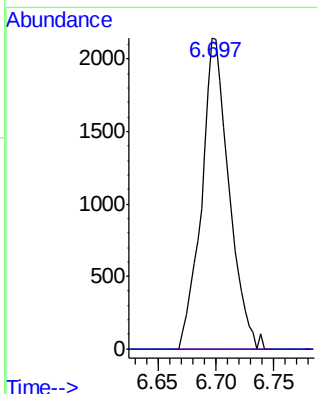
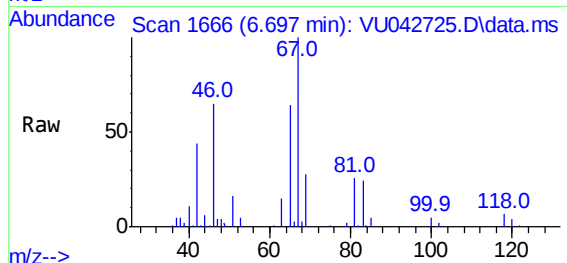




#37
1,2-Dichloropropane
Concen: 0.57 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

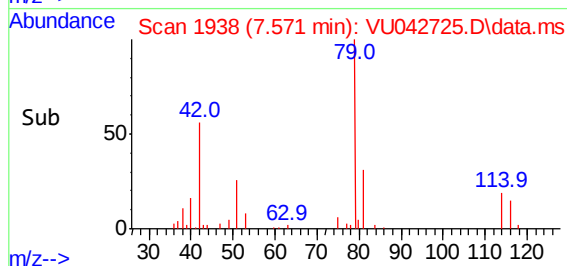
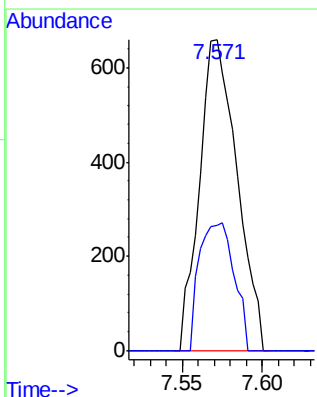
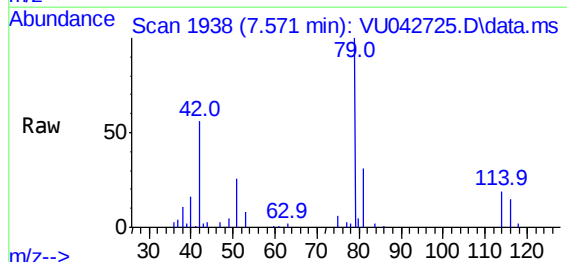
Instrument :
MSVOA_U
ClientSampleId :
ETZF6MSD

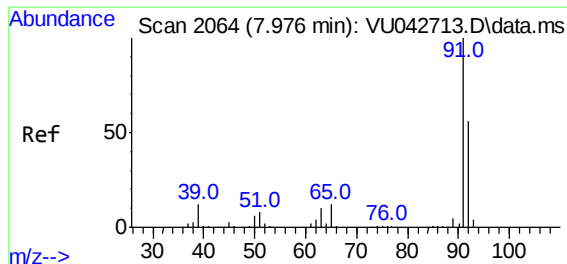
Tgt Ion: 63 Resp: 3528
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.12 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Tgt Ion: 75 Resp: 1049
Ion Ratio Lower Upper
75 100
77 40.3 22.0 40.8

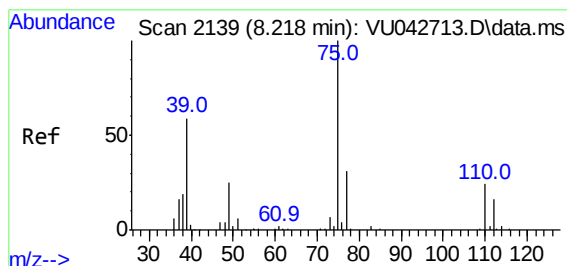
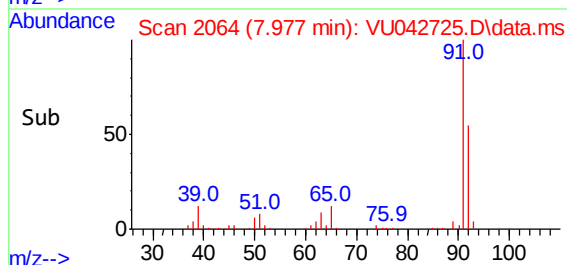
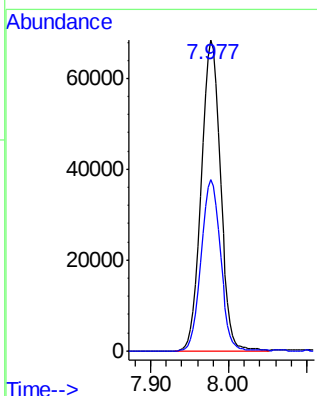
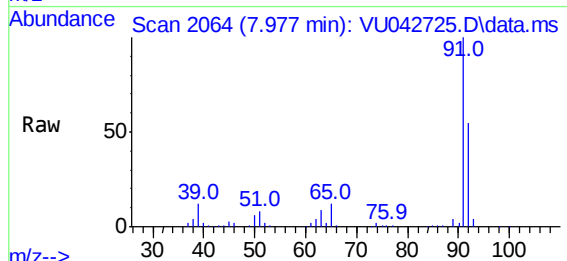




#42
Toluene
Concen: 4.70 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

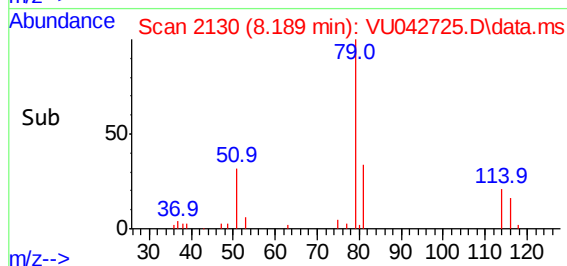
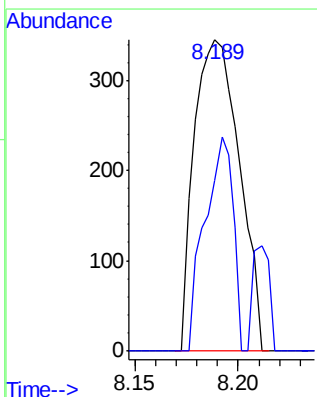
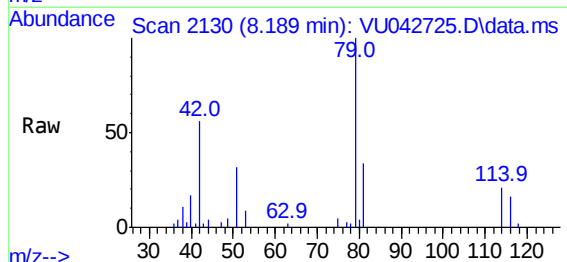
Instrument :
MSVOA_U
ClientSampleId :
ETZF6MSD

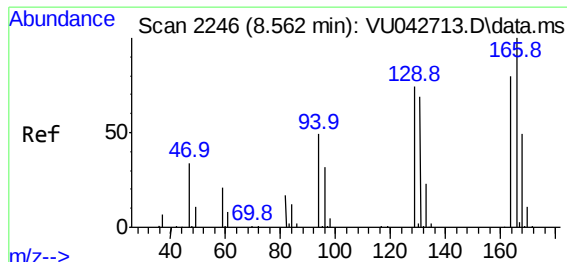
Tgt Ion: 91 Resp: 116820
Ion Ratio Lower Upper
91 100
92 55.1 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Tgt Ion: 75 Resp: 525
Ion Ratio Lower Upper
75 100
77 54.8 21.8 40.4



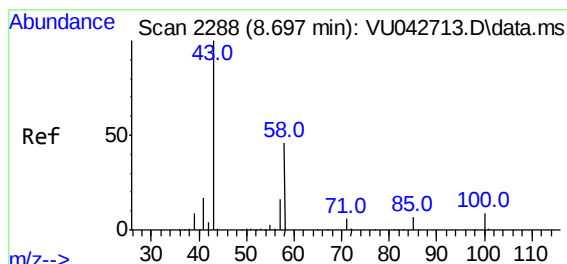
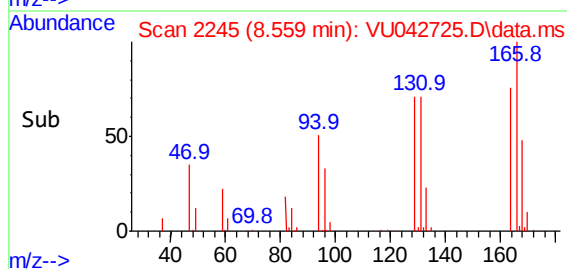
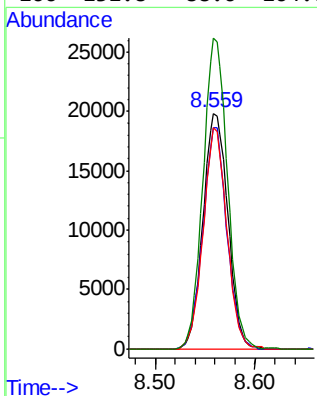
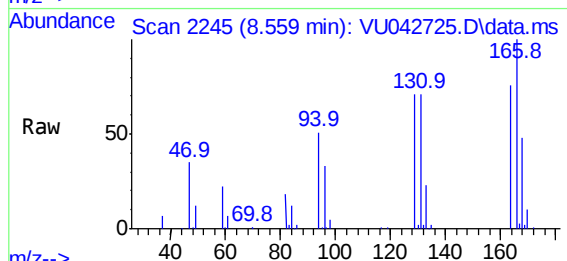


#47
Tetrachloroethene
Concen: 6.67 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Instrument :
MSVOA_U
ClientSampleId :
ETZF6MSD

Tgt Ion:164 Resp: 34366

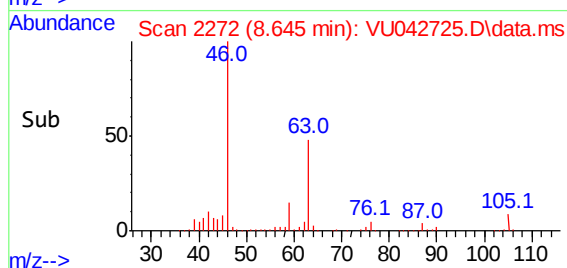
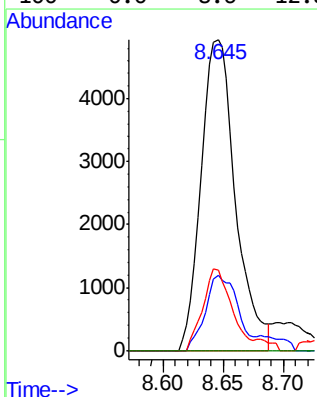
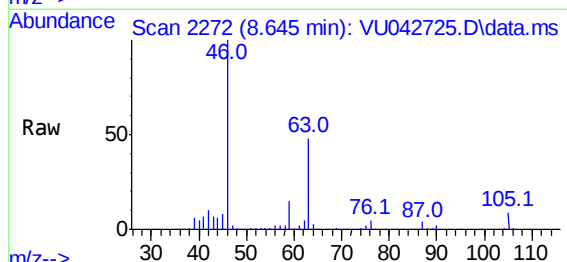
Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.3	119.5
131	93.7	62.2	115.6
166	131.8	88.6	164.6

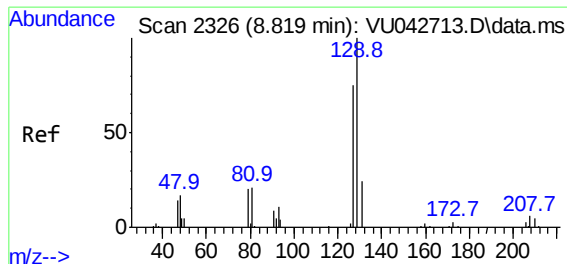


#48
2-Hexanone
Concen: 2.41 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.051 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Tgt Ion: 43 Resp: 9551

Ion	Ratio	Lower	Upper
43	100		
58	22.5	40.6	61.0#
57	21.9	14.9	22.3
100	0.0	8.6	12.8#

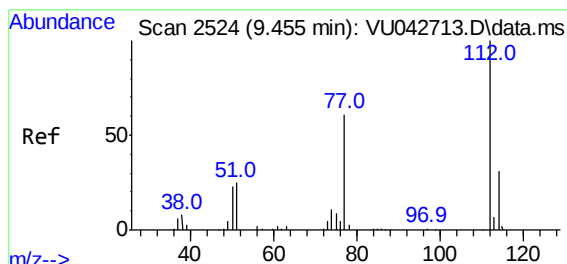
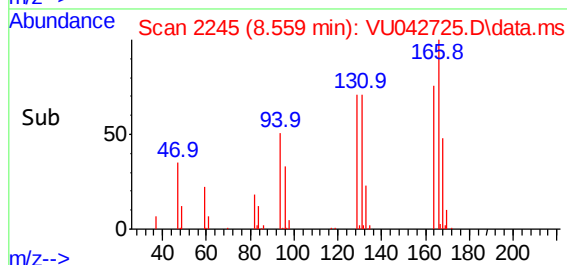
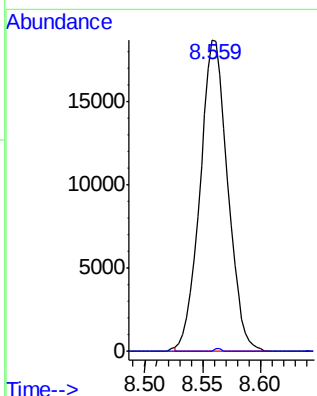
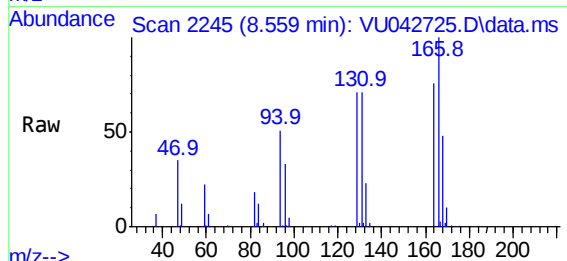




#49
Dibromochloromethane
Concen: 5.45 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

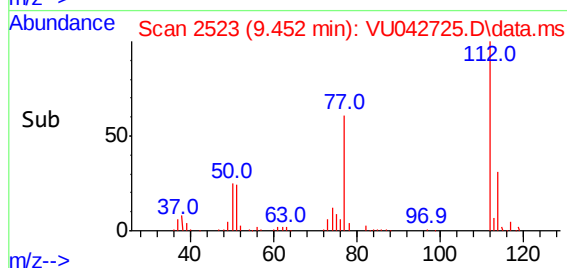
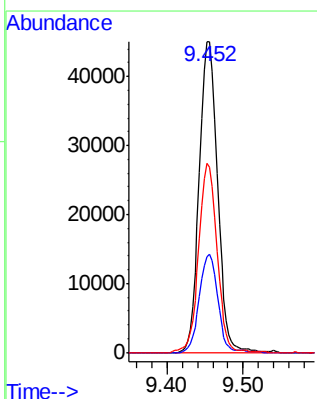
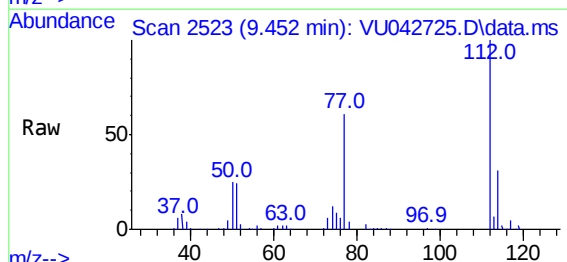
Instrument :
MSVOA_U
ClientSampleId :
ETZFM6MSD

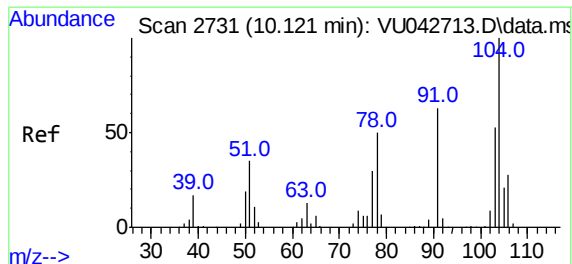
Tgt Ion:129 Resp: 30958
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#51
Chlorobenzene
Concen: 4.71 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.003 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Tgt Ion:112 Resp: 74832
Ion Ratio Lower Upper
112 100
114 30.9 22.0 41.0
77 60.7 49.8 74.6

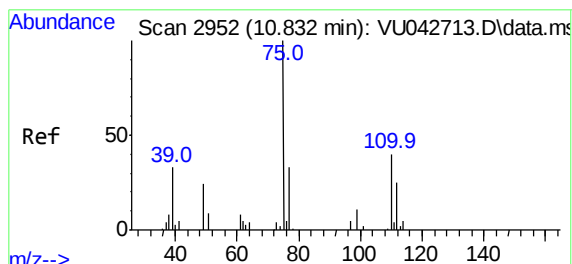
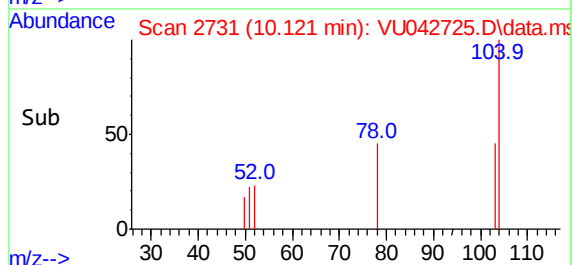
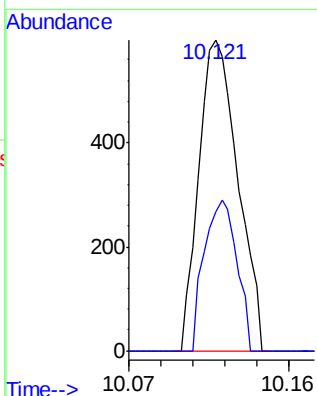
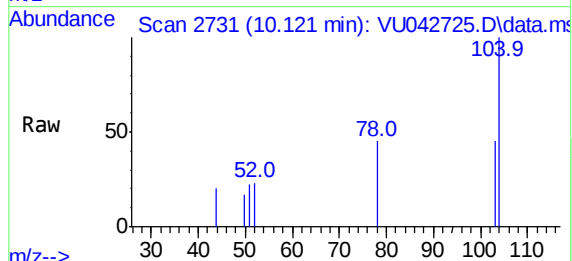




#55
Styrene
Concen: 0.05 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Instrument :
MSVOA_U
ClientSampleId :
ETZF6MSD

Tgt Ion: 104 Resp: 890
Ion Ratio Lower Upper
104 100
78 45.0 34.9 64.7



#59
1,2,3-Trichloropropane
Concen: 0.91 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042725.D
Acq: 19 Mar 2021 17:01

Tgt Ion: 75 Resp: 4205
Ion Ratio Lower Upper
75 100
77 44.6 26.0 39.0#

