

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031921\
 Data File : VU042724.D
 Acq On : 19 Mar 2021 16:37
 Operator : SY/MD
 Sample : M1744-06MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 ETZF6MS

Quant Time: Mar 20 05:51:55 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	6.256	114	74303	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	72152	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	35145	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	26076	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.919	69	22686	6.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.00%
11) 1,1-Dichloroethene-d2	2.575	63	53558	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	4.646	46	85045	52.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.58%
24) Chloroform-d	5.073	84	48417	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.710	65	31289	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.735	84	88729	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.700	67	28589	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.906	98	82531	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloroprop...	8.189	79	11166	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.645	63	61236	47.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.94%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	23700	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.201	152	32549	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	53863	7.79	ug/L	99
3) Chloromethane	1.523	50	354	0.05	ug/L	95
5) Vinyl chloride	1.604	62	238	0.04	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	311	0.06	ug/L #	18
12) 1,1-Dichloroethene	2.588	96	23359	4.46	ug/L	88
14) Carbon disulfide	2.800	76	197381	11.84	ug/L	100
18) trans-1,2-Dichloroethene	3.363	96	394	0.07	ug/L	90
22) cis-1,2-Dichloroethene	4.678	96	34749	5.91	ug/L	97
27) 1,2-Dichloroethane	5.784	62	1233	0.15	ug/L #	75
33) Benzene	5.784	78	115316	5.11	ug/L	100
34) Trichloroethene	6.549	95	96345	15.39	ug/L	97
35) Methylcyclohexane	6.700	83	7080	0.74	ug/L #	14
37) 1,2-Dichloropropane	6.700	63	3376	0.55	ug/L #	87
39) cis-1,3-Dichloropropene	7.578	75	908	0.10	ug/L #	78
42) Toluene	7.977	91	115533	4.69	ug/L	97
44) trans-1,3-Dichloropropene	8.189	75	636	0.08	ug/L #	44
47) Tetrachloroethene	8.559	164	36032	7.06	ug/L	97
48) 2-Hexanone	8.645	43	9871	2.52	ug/L #	74
49) Dibromochloromethane	8.559	129	32544	5.79	ug/L #	12
51) Chlorobenzene	9.452	112	73596	4.68	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 20 05:47:33 2021
Response via : Initial Calibration

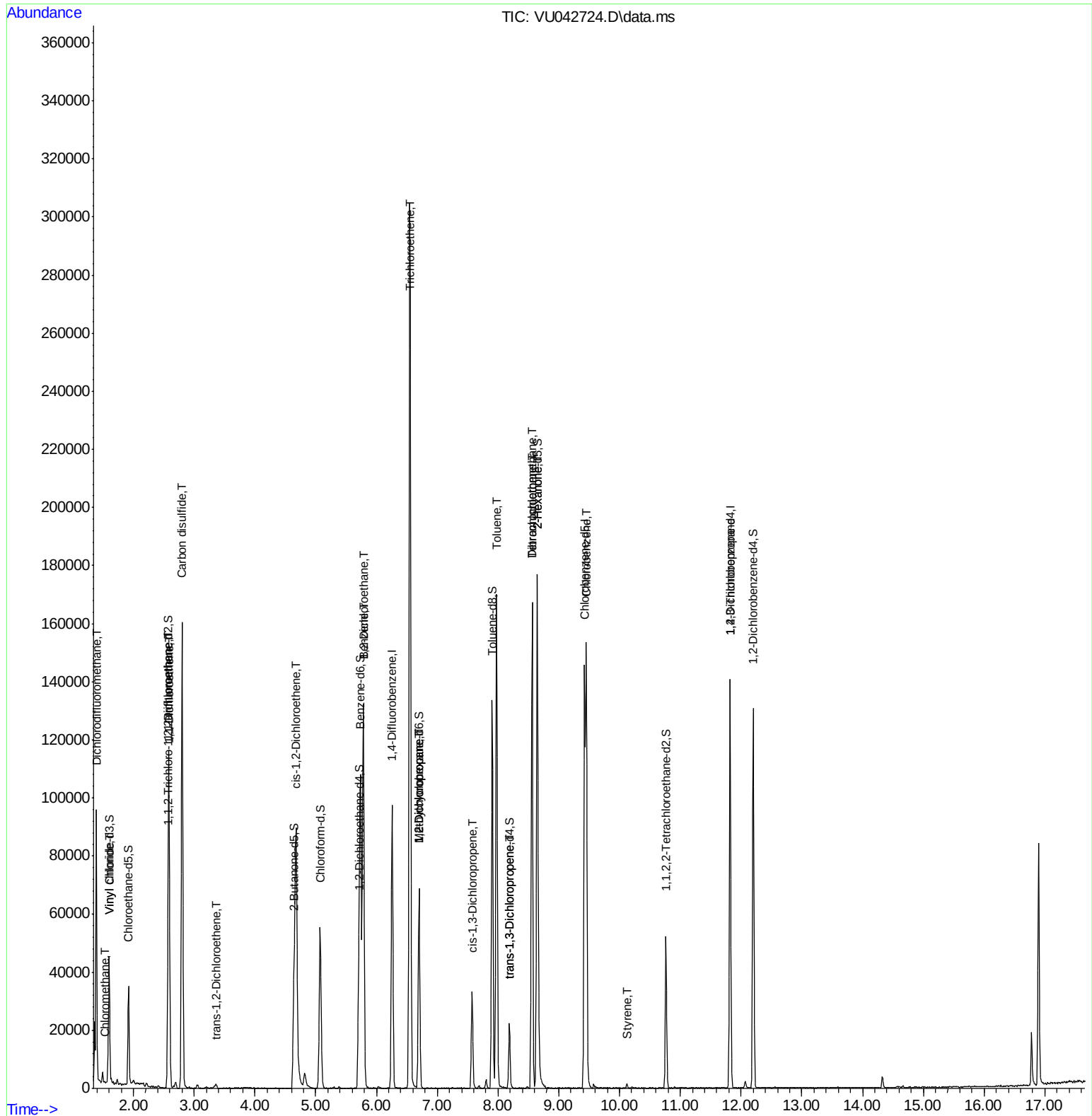
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.121	104	779	0.05	ug/L	99
59) 1,2,3-Trichloropropane	11.819	75	4246	0.93	ug/L #	83

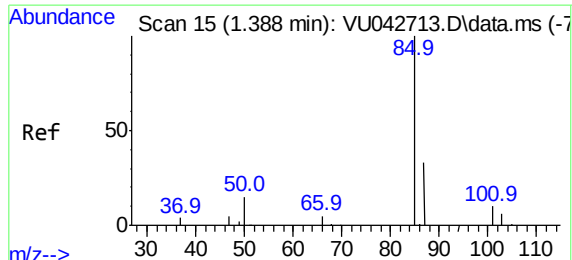
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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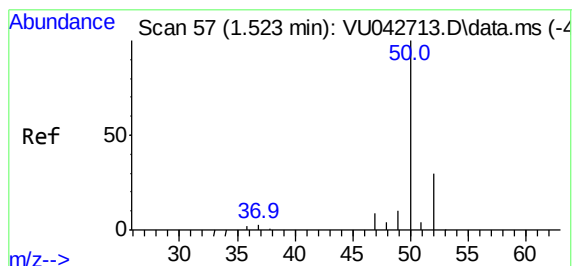
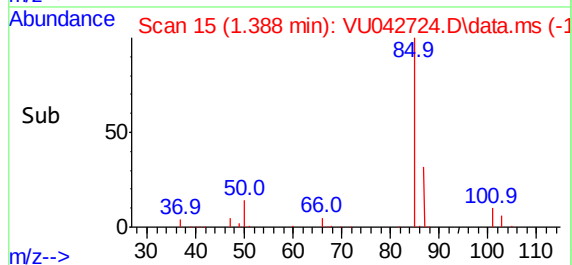
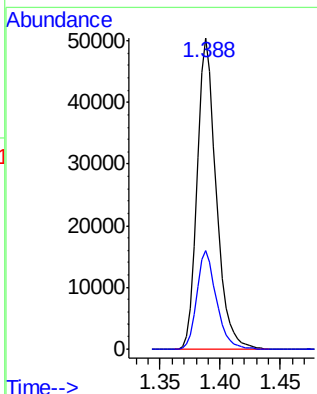
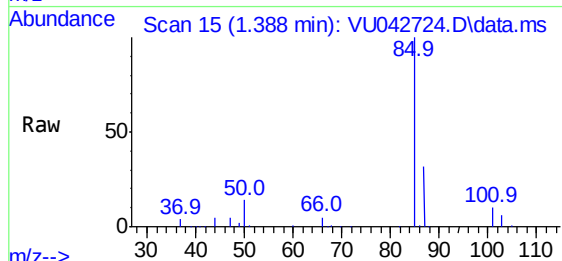


#2

Dichlorodifluoromethane
Concen: 7.79 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Instrument :
MSVOA_U
ClientSampleId :
ETZF6MS

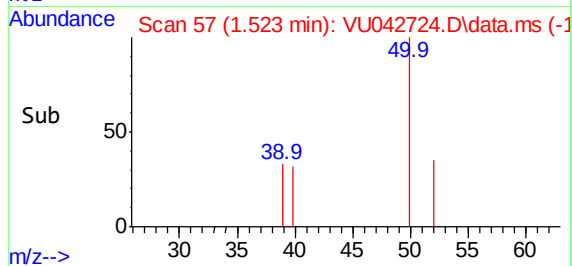
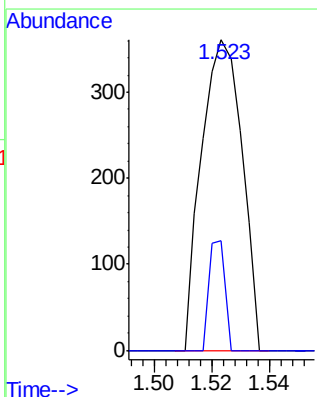
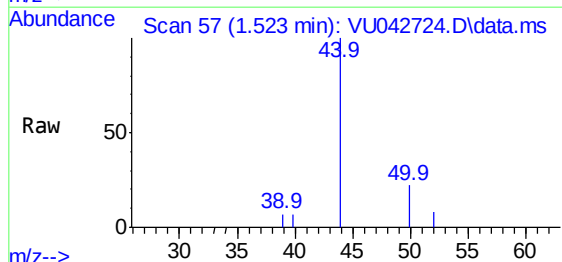
Tgt Ion: 85 Resp: 53863
Ion Ratio Lower Upper
85 100
87 32.3 26.1 39.1

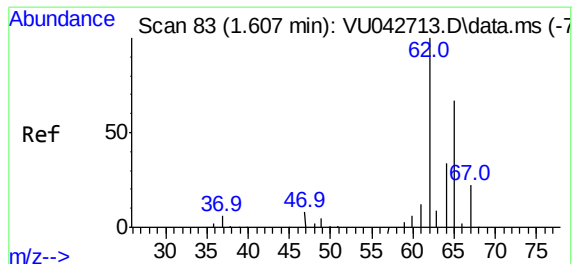


#3

Chloromethane
Concen: 0.05 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion: 50 Resp: 354
Ion Ratio Lower Upper
50 100
52 35.5 23.0 42.8

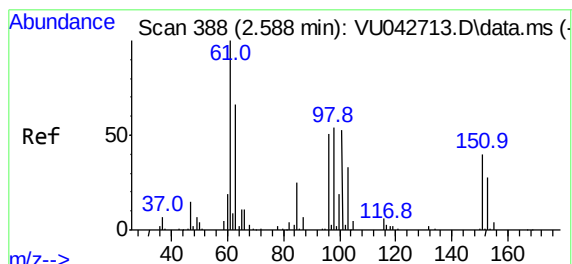
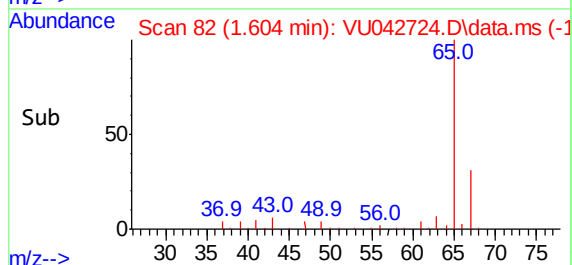
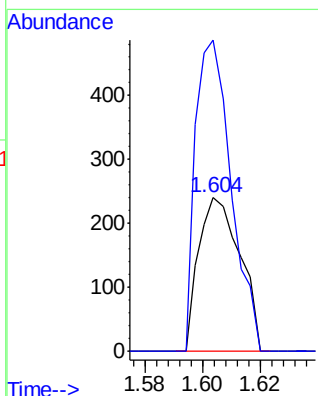
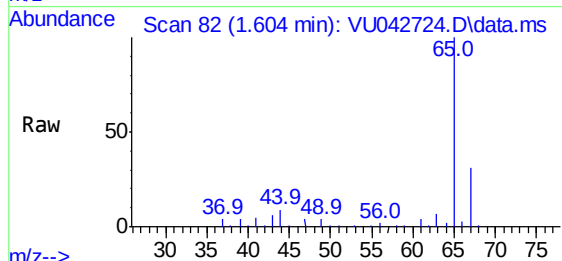




#5
 Vinyl chloride
 Concen: 0.04 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.003 min
 Lab File: VU042724.D
 Acq: 19 Mar 2021 16:37

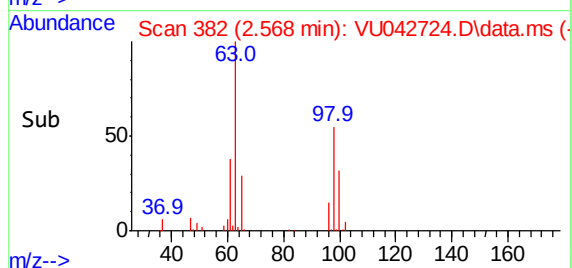
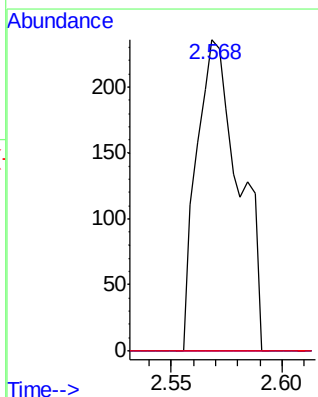
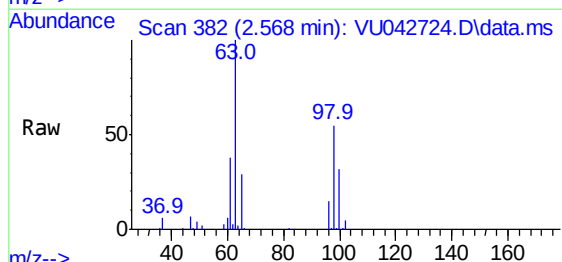
Instrument :
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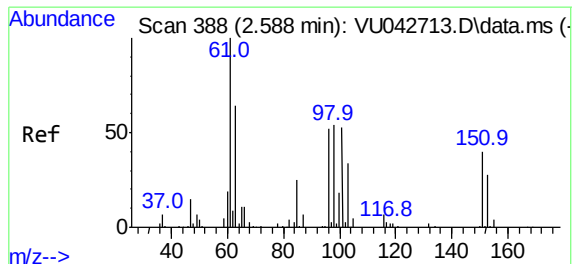
Tgt Ion: 62 Resp: 238
 Ion Ratio Lower Upper
 62 100
 64 202.9 22.7 42.1#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.06 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU042724.D
 Acq: 19 Mar 2021 16:37

Tgt Ion:101 Resp: 311
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#

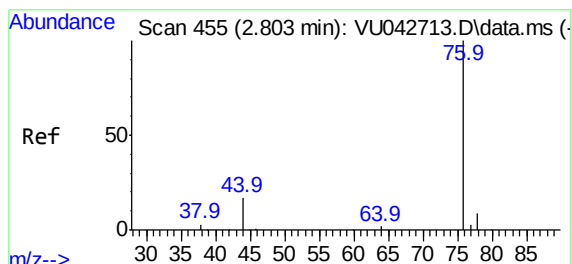
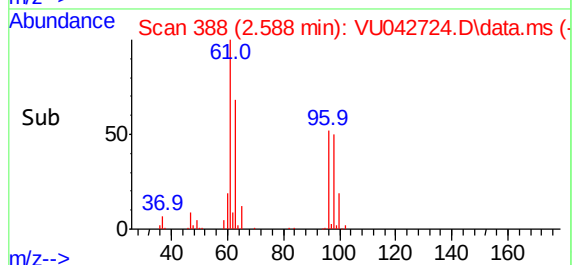
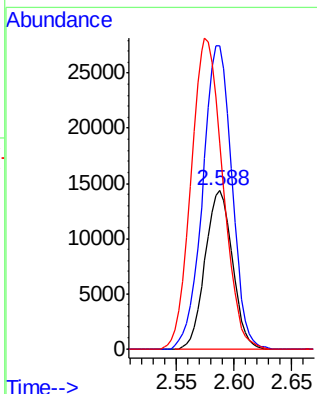
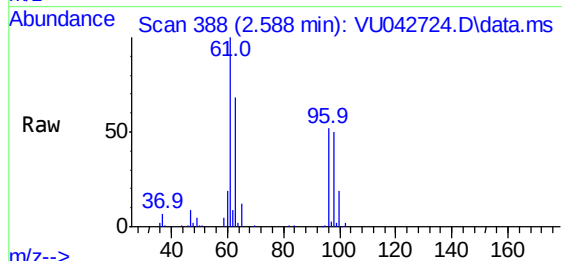




#12
1,1-Dichloroethene
Concen: 4.46 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

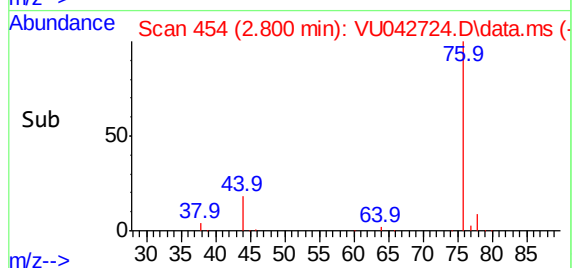
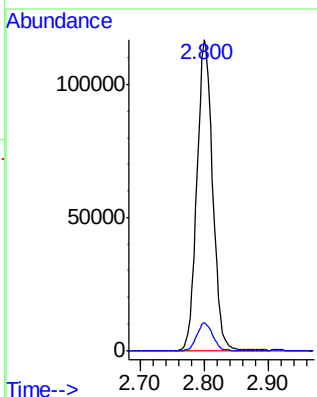
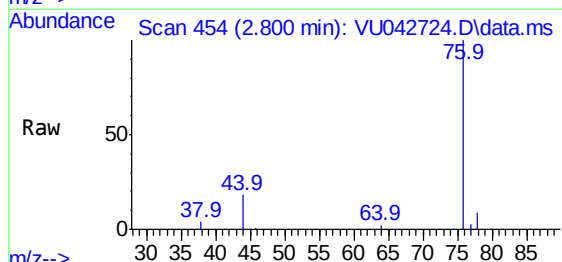
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ClientSampleId :
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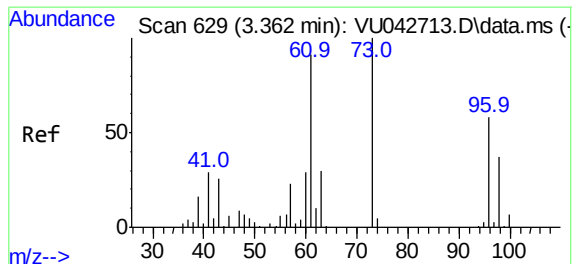
Tgt Ion: 96 Resp: 23359
Ion Ratio Lower Upper
96 100
61 192.0 126.2 234.4
63 130.7 77.8 144.4



#14
Carbon disulfide
Concen: 11.84 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.003 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion: 76 Resp: 197381
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

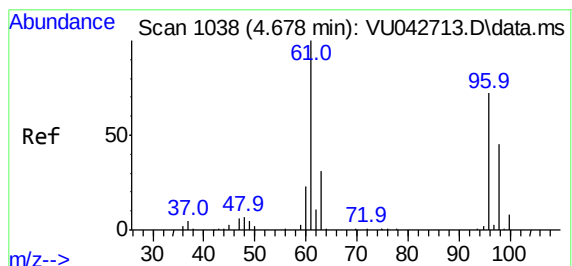
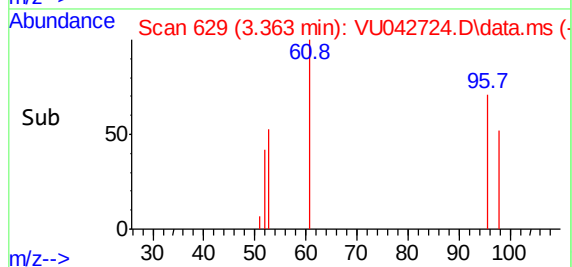
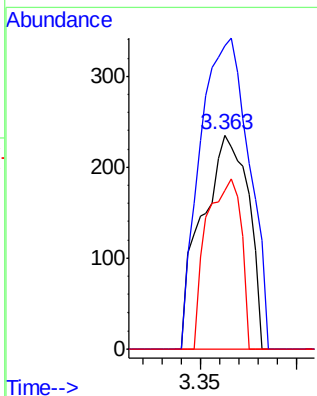
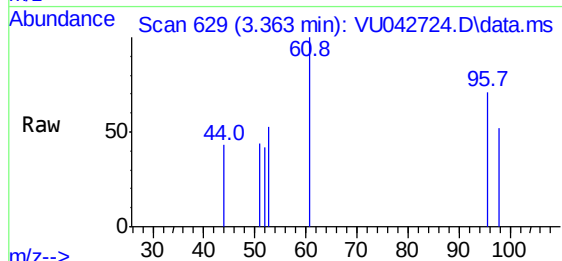




#18
trans-1,2-Dichloroethene
Concen: 0.07 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

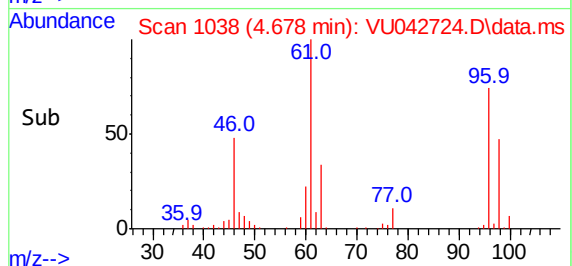
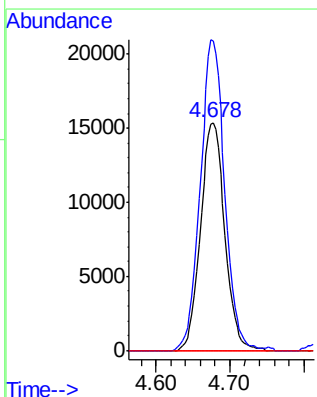
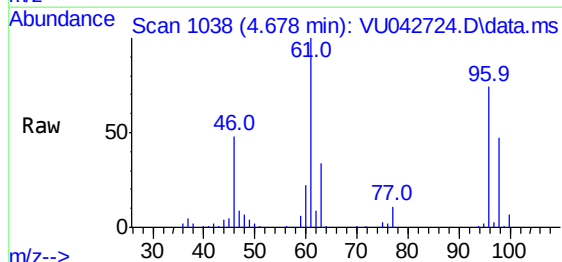
Instrument :
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ClientSampleId :
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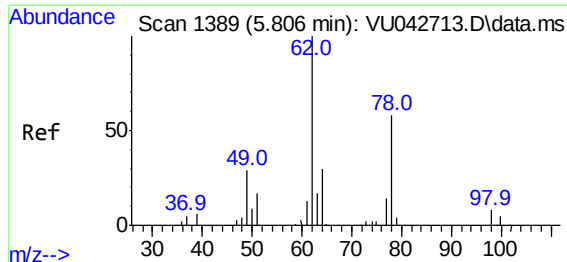
Tgt Ion: 96 Resp: 394
Ion Ratio Lower Upper
96 100
61 141.7 105.7 196.3
98 74.0 42.8 79.6



#22
cis-1,2-Dichloroethene
Concen: 5.91 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion: 96 Resp: 34749
Ion Ratio Lower Upper
96 100
61 135.6 97.8 181.6
68 0.0 0.0 0.0

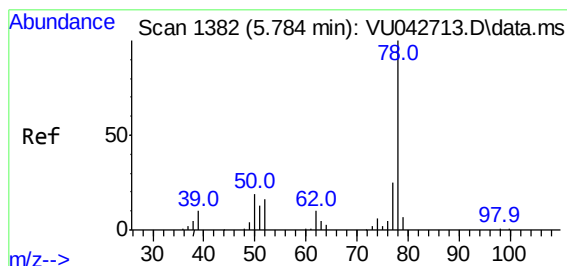
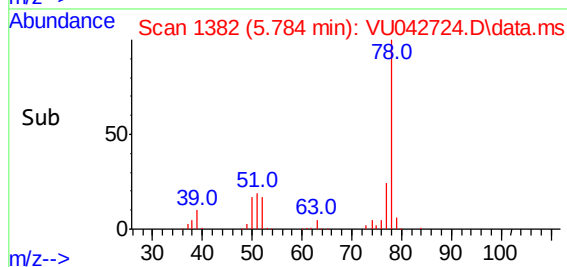
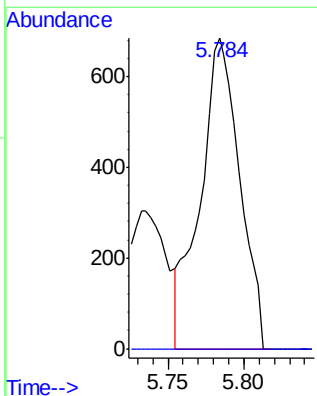
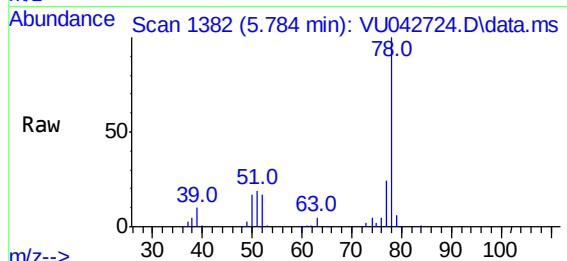




#27
1,2-Dichloroethane
Concen: 0.15 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.022 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

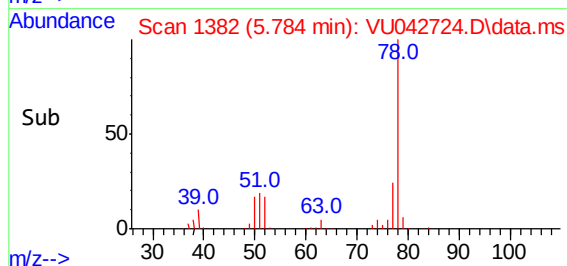
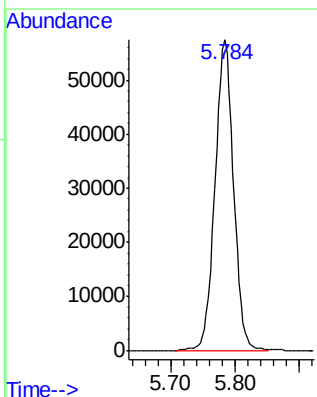
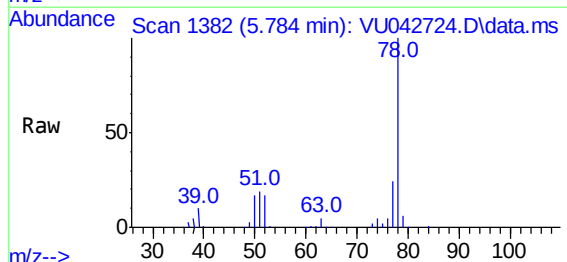
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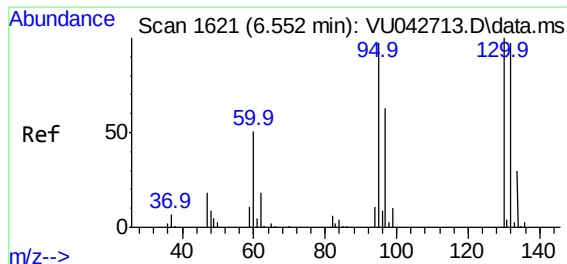
Tgt Ion: 62 Resp: 1233
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 5.11 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion: 78 Resp: 115316

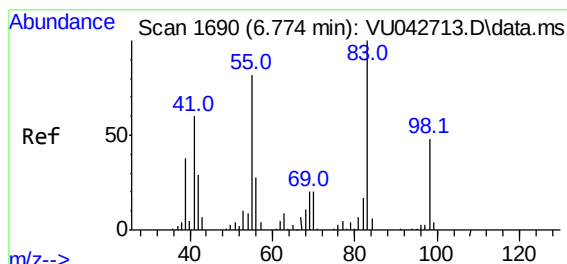
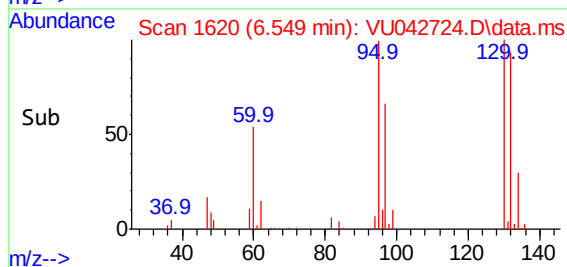
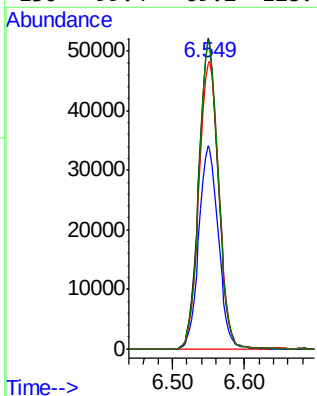
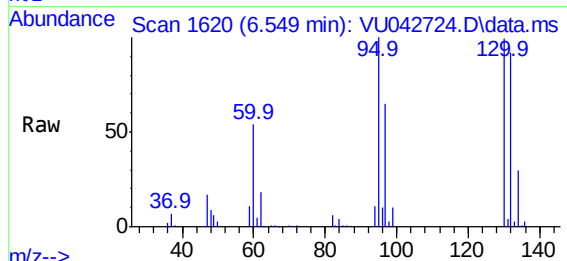




#34
Trichloroethene
Concen: 15.39 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

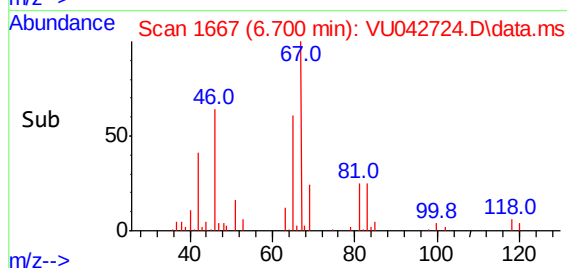
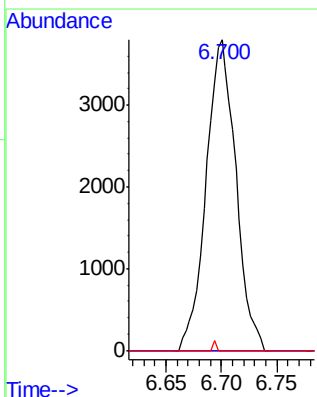
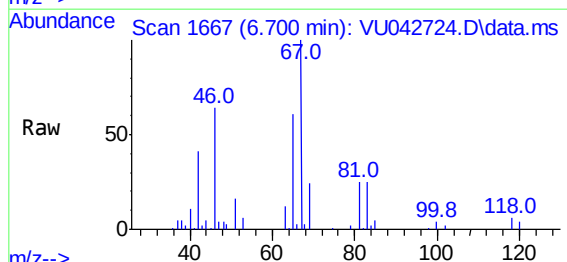
Instrument :
MSVOA_U
ClientSampleId :
ETZF6MS

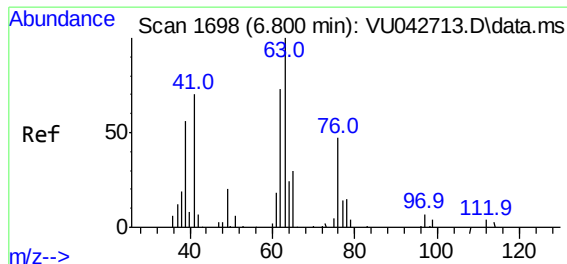
Tgt Ion:	95	Resp:	96345
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.4	82.4
132	92.0	68.0	126.4
130	99.4	69.2	128.4



#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion:	83	Resp:	7080
Ion	Ratio	Lower	Upper
83	100		
55	0.0	68.2	102.4#
98	0.0	39.7	59.5#

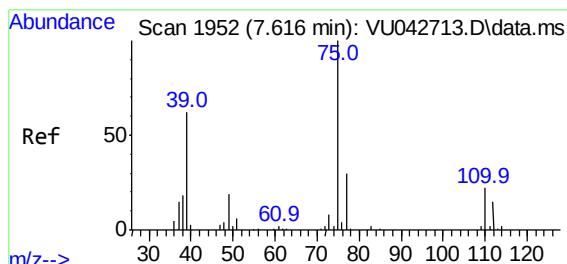
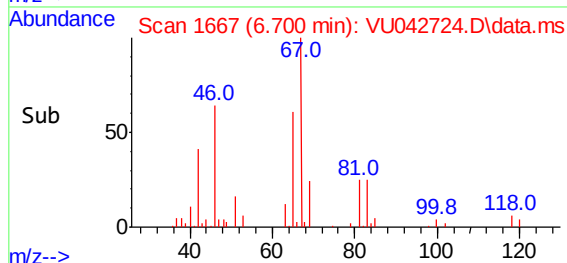
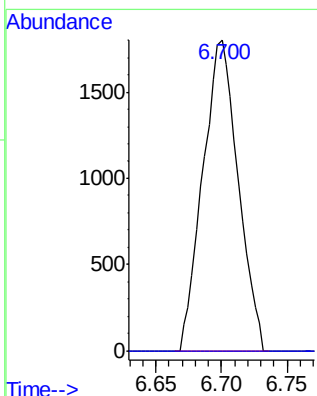
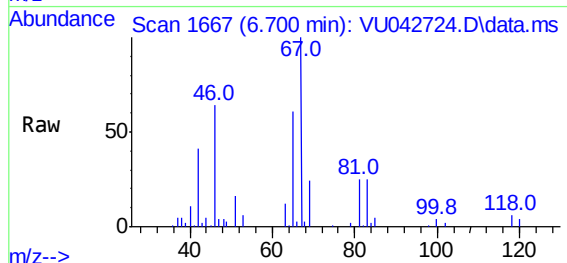




#37
1,2-Dichloropropane
Concen: 0.55 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

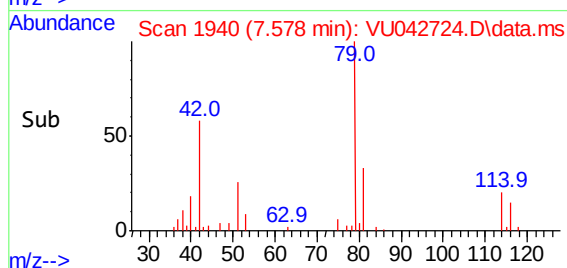
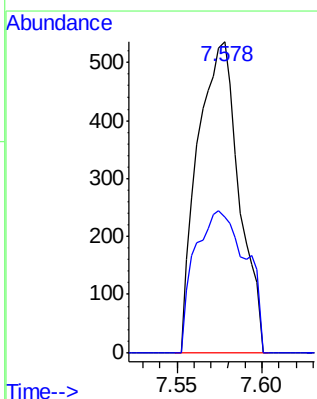
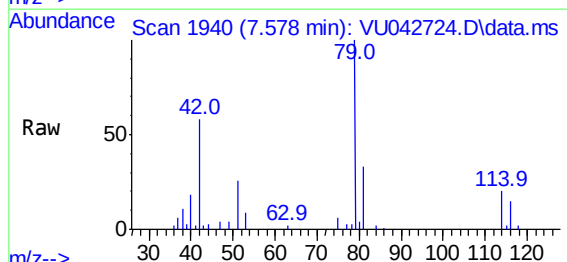
Instrument :
MSVOA_U
ClientSampleId :
ETZF6MS

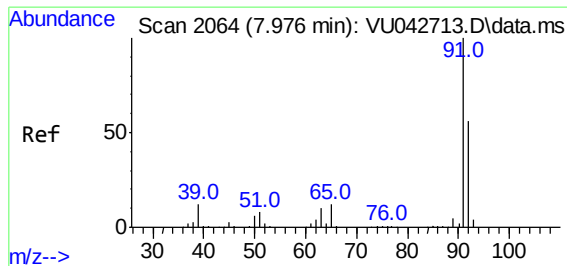
Tgt Ion: 63 Resp: 3376
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.038 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion: 75 Resp: 908
Ion Ratio Lower Upper
75 100
77 43.7 22.0 40.8#

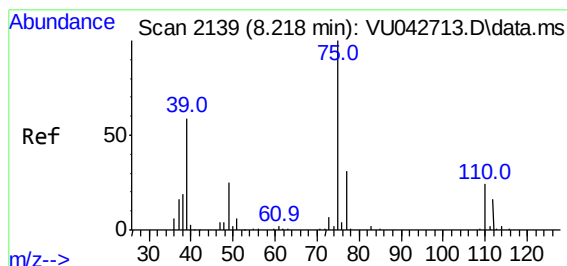
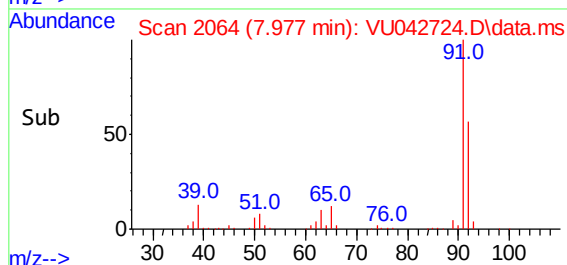
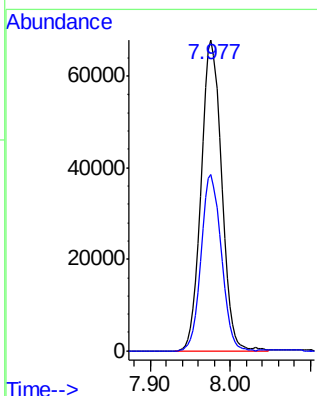
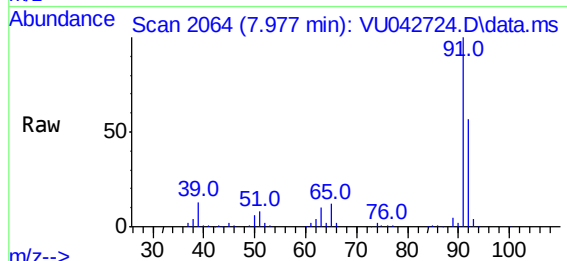




#42
Toluene
Concen: 4.69 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

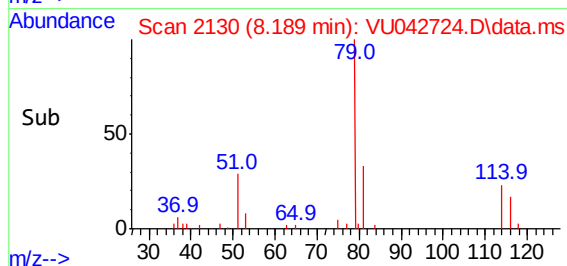
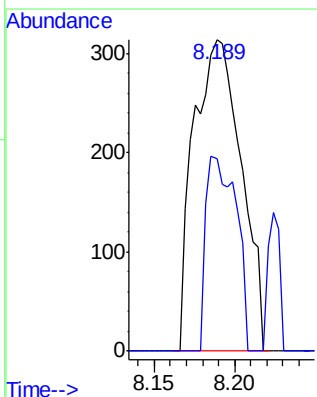
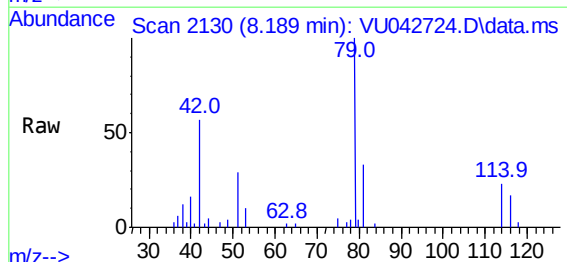
Instrument :
MSVOA_U
ClientSampled :
ETZF6MS

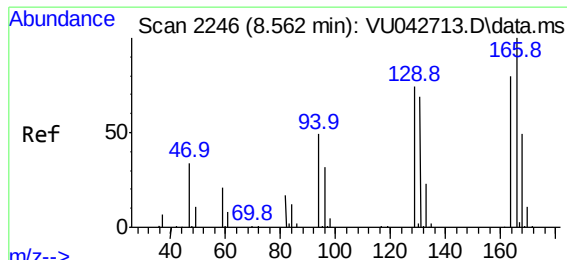
Tgt Ion: 91 Resp: 115533
Ion Ratio Lower Upper
91 100
92 56.8 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion: 75 Resp: 636
Ion Ratio Lower Upper
75 100
77 61.8 21.8 40.4

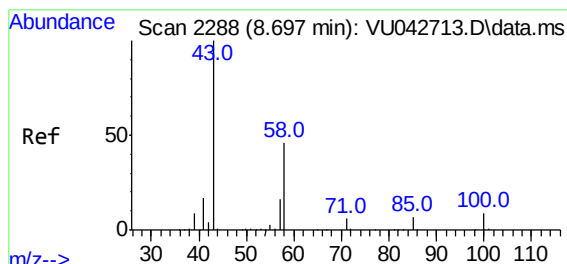
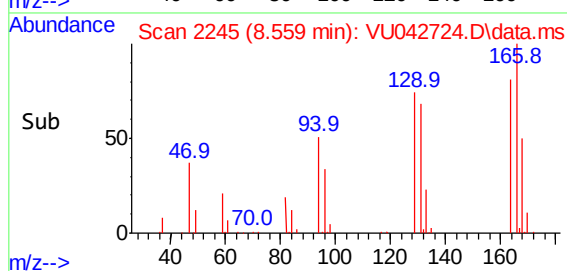
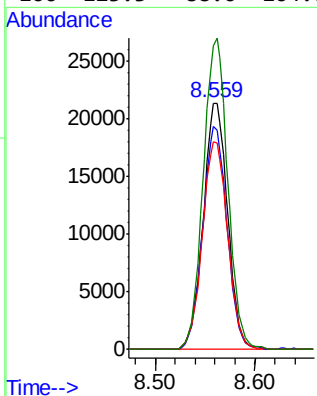
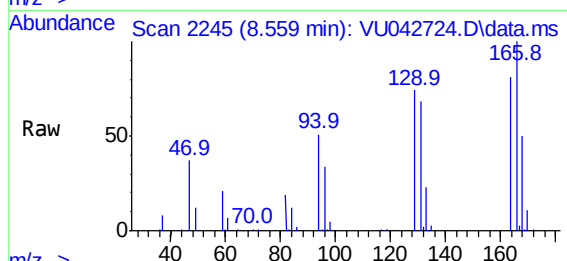




#47
Tetrachloroethene
Concen: 7.06 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

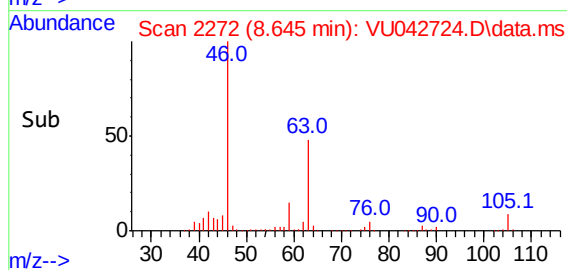
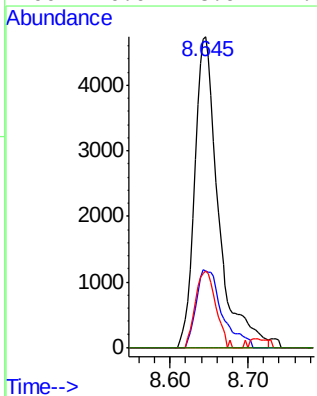
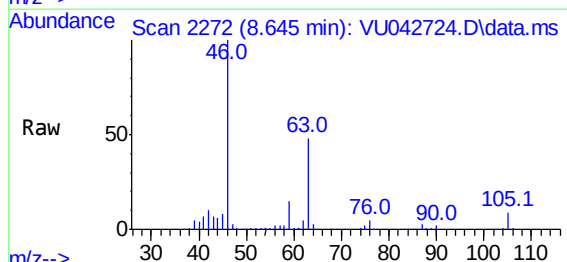
Instrument :
MSVOA_U
ClientSampleId :
ETZF6MS

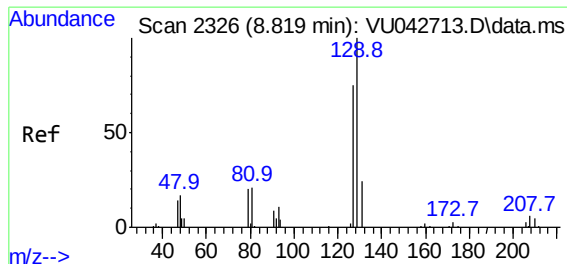
Tgt Ion:164 Resp: 36032
Ion Ratio Lower Upper
164 100
129 90.7 64.3 119.5
131 84.1 62.2 115.6
166 123.3 88.6 164.6



#48
2-Hexanone
Concen: 2.52 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.051 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion: 43 Resp: 9871
Ion Ratio Lower Upper
43 100
58 27.5 40.6 61.0#
57 21.2 14.9 22.3
100 0.0 8.6 12.8#

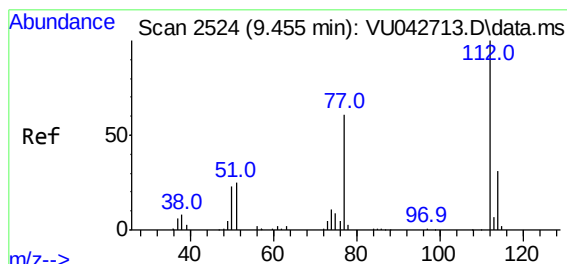
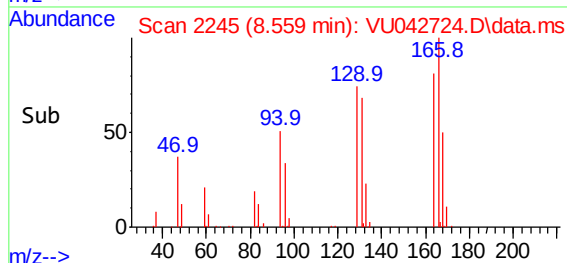
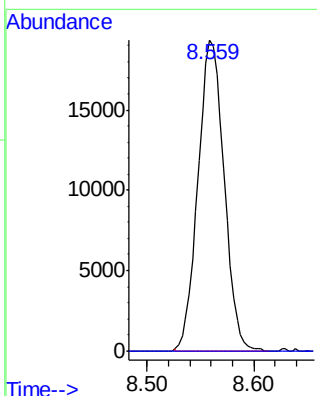
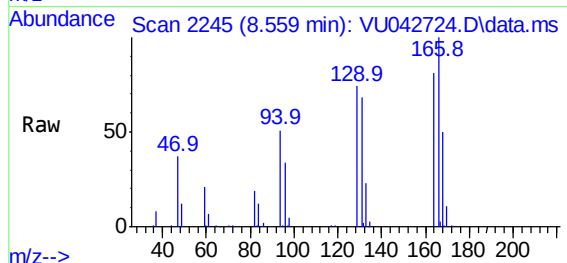




#49
Dibromochloromethane
Concen: 5.79 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

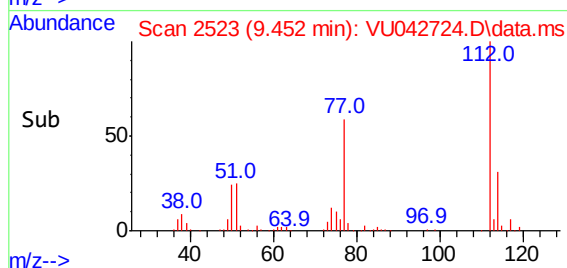
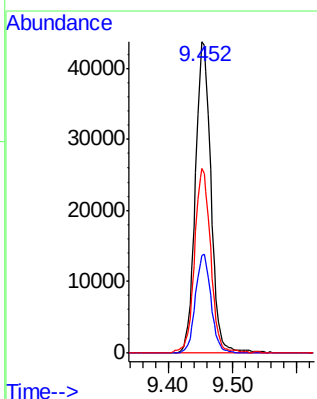
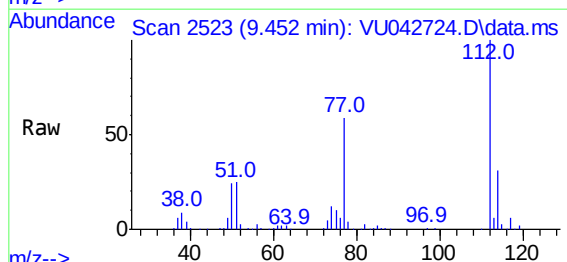
Instrument :
MSVOA_U
ClientSampleId :
ETZFM6MS

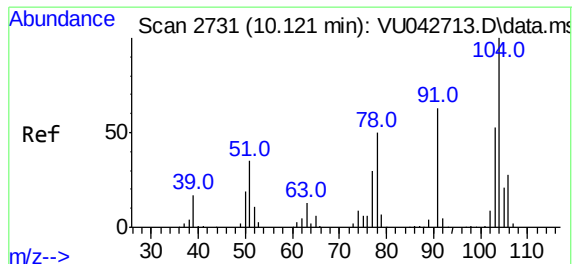
Tgt Ion:129 Resp: 32544
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#51
Chlorobenzene
Concen: 4.68 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.003 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion:112 Resp: 73596
Ion Ratio Lower Upper
112 100
114 31.2 22.0 41.0
77 59.3 49.8 74.6

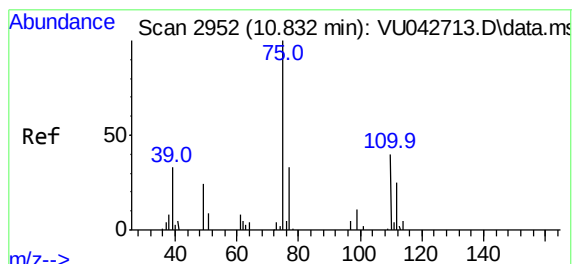
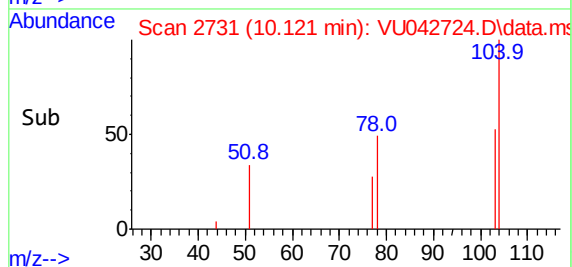
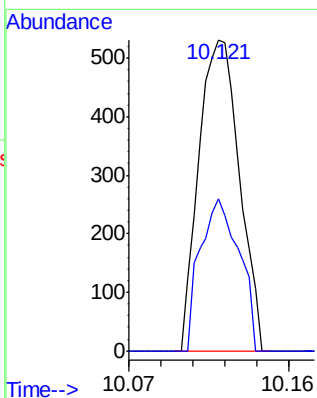
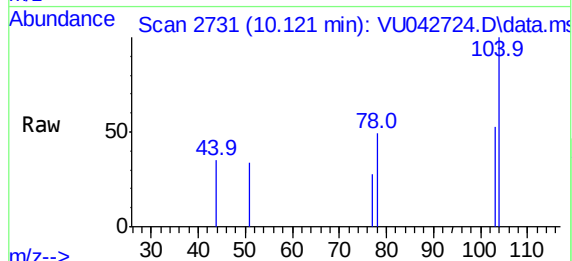




#55
Styrene
Concen: 0.05 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Instrument :
MSVOA_U
ClientSampled :
ETZF6MS

Tgt Ion: 104 Resp: 779
Ion Ratio Lower Upper
104 100
78 49.0 34.9 64.7



#59
1,2,3-Trichloropropane
Concen: 0.93 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042724.D
Acq: 19 Mar 2021 16:37

Tgt Ion: 75 Resp: 4246
Ion Ratio Lower Upper
75 100
77 42.0 26.0 39.0#

