

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082321\
 Data File : VU044495.D
 Acq On : 23 Aug 2021 12:15
 Operator : SY/MD
 Sample : M3515-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4555MS

Manual Integrations
 APPROVED

SAM
 8/24/2021 11:21:28 AM

Quant Time: Aug 24 03:58:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 24 03:56:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	125176	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	126474	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	63008	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	38155	3.769	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.916	69	36805	4.183	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.572	65	18023	4.185	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.600%
20) 2-Butanone-d5	4.636	46	136015	48.579	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.160%
24) Chloroform-d	5.070	84	83129	4.644	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.710	65	44915	4.601	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	5.735	84	162399	4.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.697	67	51500	4.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.903	98	144425	4.573	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
43) trans-1,3-Dichloroprop...	8.185	79	18326	4.479	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.642	63	113755	51.411	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.820%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	45465	4.738	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.800%
66) 1,2-Dichlorobenzene-d4	12.198	152	49235	4.625	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	65207	5.065	ug/L	99
3) Chloromethane	1.523	50	81160	4.812	ug/L	98
5) Vinyl chloride	1.607	62	77439	4.967	ug/L	92
6) Bromomethane	1.861	94	44216	5.218	ug/L	99
8) Chloroethane	1.938	64	48948	5.136	ug/L	99
9) Trichlorofluoromethane	2.144	101	90030	5.050	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	51029	5.203	ug/L	99
12) 1,1-Dichloroethene	2.584	96	49157	5.110	ug/L	97
13) Acetone	2.642	43	108872m	46.828	ug/L	
14) Carbon disulfide	2.800	76	157213	5.038	ug/L	98
15) Methyl Acetate	2.961	43	21123	5.563	ug/L	96
16) Methylene chloride	3.054	84	57688	4.036	ug/L	97
17) Methyl tert-butyl Ether	3.372	73	138519	5.568	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	53089	5.296	ug/L	98
19) 1,1-Dichloroethane	3.877	63	103721	5.338	ug/L	98
21) 2-Butanone	4.716	43	179617m	54.213	ug/L	
22) cis-1,2-Dichloroethene	4.678	96	57281	5.345	ug/L	98
23) Bromochloromethane	4.983	128	24807	5.251	ug/L	97
25) Chloroform	5.096	83	106262	5.330	ug/L	100

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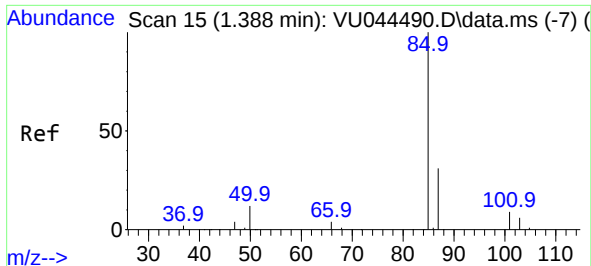
Manual Integrations
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SAM
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Quant Time: Aug 24 03:58:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 24 03:56:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	69806	5.249	ug/L	100
29) 1,1,1-Trichloroethane	5.324	97	83720	5.289	ug/L	100
30) Cyclohexane	5.398	56	89711	5.127	ug/L	99
31) Carbon tetrachloride	5.533	117	67544	5.193	ug/L	98
33) Benzene	5.784	78	225580	5.257	ug/L	100
34) Trichloroethene	6.549	95	54395	5.127	ug/L	97
35) Methylcyclohexane	6.771	83	90256	5.101	ug/L	98
37) 1,2-Dichloropropane	6.796	63	60052	5.345	ug/L	100
38) Bromodichloromethane	7.112	83	73565	5.332	ug/L	99
39) cis-1,3-Dichloropropene	7.613	75	82529	5.237	ug/L	99
40) 4-Methyl-2-pentanone	7.800	43	418788	54.894	ug/L	99
42) Toluene	7.976	91	235334	5.265	ug/L	100
44) trans-1,3-Dichloropropene	8.218	75	72100	5.398	ug/L	98
45) 1,1,2-Trichloroethane	8.407	97	42943	5.360	ug/L	96
47) Tetrachloroethene	8.558	164	37344	5.091	ug/L	98
48) 2-Hexanone	8.694	43	306290	56.265	ug/L	100
49) Dibromochloromethane	8.816	129	45361	5.350	ug/L	98
50) 1,2-Dibromoethane	8.931	107	40820	5.326	ug/L	97
51) Chlorobenzene	9.452	112	140472	5.121	ug/L	99
52) Ethylbenzene	9.575	91	249522	5.285	ug/L	99
53) m,p-Xylene	9.700	106	97011	5.465	ug/L	100
54) o-Xylene	10.105	106	93865	5.428	ug/L	98
55) Styrene	10.121	104	156527	5.521	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	57008	5.404	ug/L	99
59) Bromoform	10.298	173	23826	5.352	ug/L	100
60) Isopropylbenzene	10.491	105	242109	5.265	ug/L	99
61) 1,2,3-Trichloropropane	10.828	75	41347	5.251	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	198600	5.282	ug/L	100
63) 1,2,4-Trimethylbenzene	11.475	105	204656	5.308	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	106012	5.250	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	104739	5.134	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	101599	5.280	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.002	75	8568	5.320	ug/L	97
69) 1,3,5-Trichlorobenzene	13.224	180	71592	5.036	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	57692	5.178	ug/L	99
71) Naphthalene	14.092	128	112103	5.277	ug/L	100
72) 1,2,3-Trichlorobenzene	14.336	180	54194	5.312	ug/L	99

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



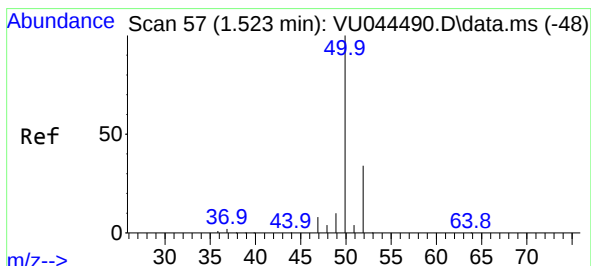
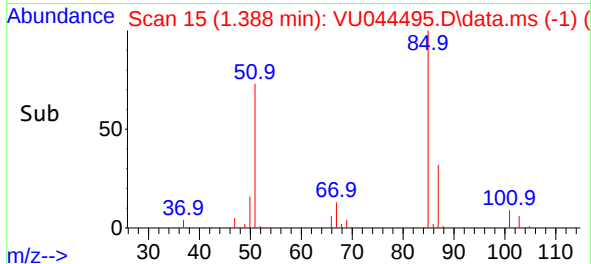
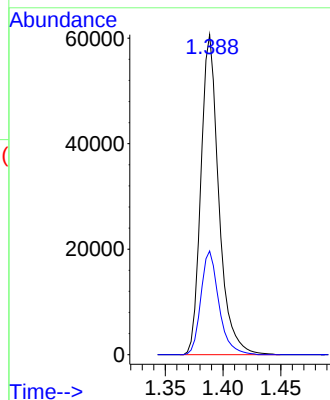
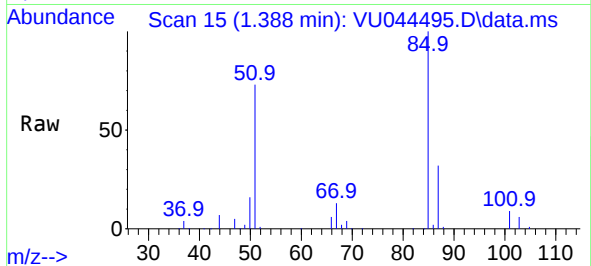
#2
Dichlorodifluoromethane
Concen: 5.065 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 85 Resp: 65207
Ion Ratio Lower Upper
85 100
87 32.6 25.7 38.5

Instrument :
MSVOA_U
ClientSampled :
H4555MS

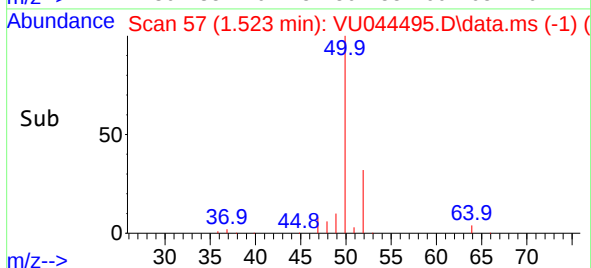
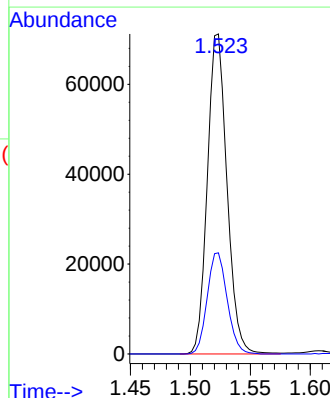
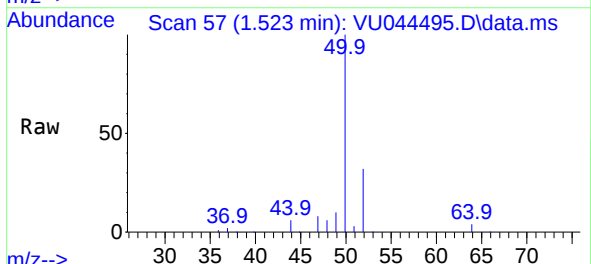
Manual Integrations
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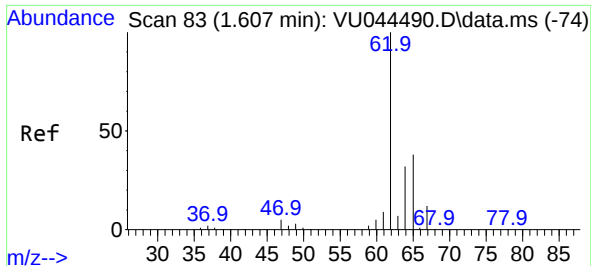
SAM
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#3
Chloromethane
Concen: 4.812 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 50 Resp: 81160
Ion Ratio Lower Upper
50 100
52 31.6 22.8 42.4





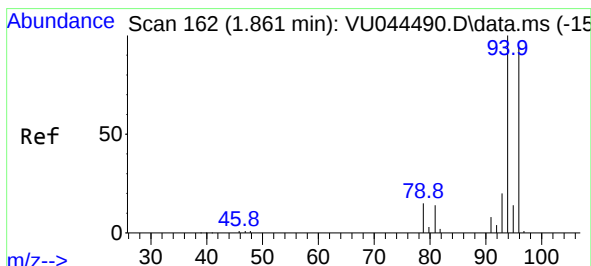
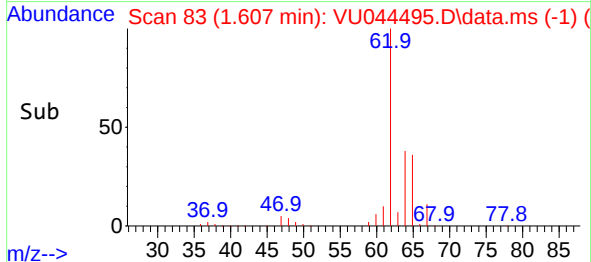
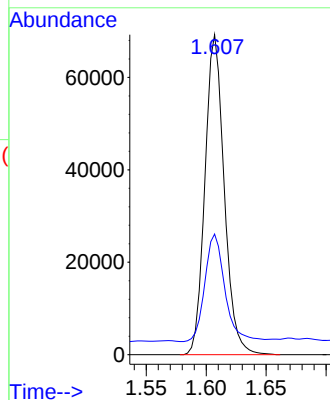
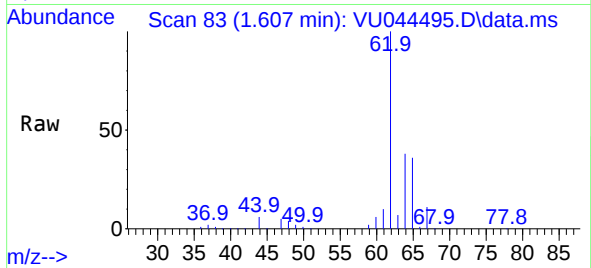
#5
 Vinyl chloride
 Concen: 4.967 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044495.D
 Acq: 23 Aug 2021 12:15

Instrument :
 MSVOA_U
 ClientSampled :
 H4555MS

Tgt Ion: 62 Resp: 77439
 Ion Ratio Lower Upper
 62 100
 64 37.7 23.2 43.0

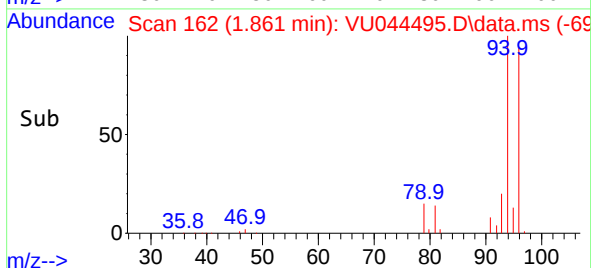
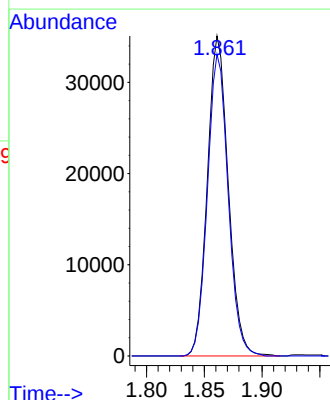
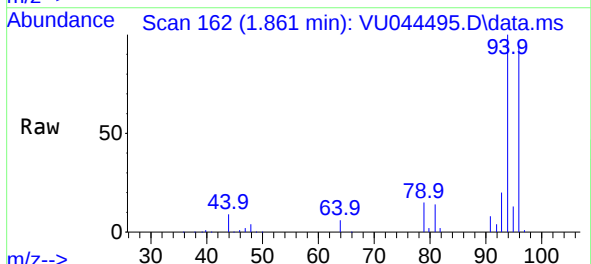
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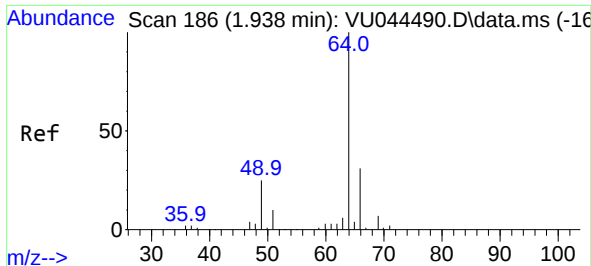
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#6
 Bromomethane
 Concen: 5.218 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU044495.D
 Acq: 23 Aug 2021 12:15

Tgt Ion: 94 Resp: 44216
 Ion Ratio Lower Upper
 94 100
 96 94.3 65.2 121.2





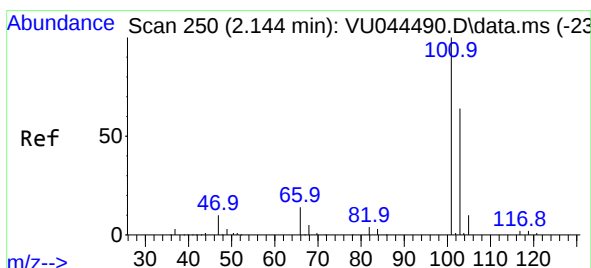
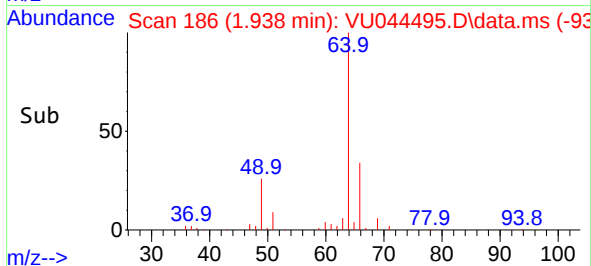
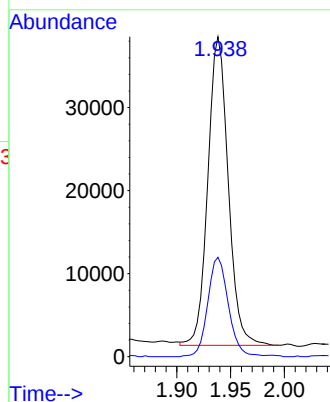
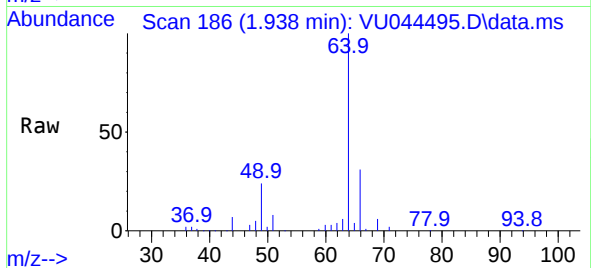
#8
Chloroethane
Concen: 5.136 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 64 Resp: 48948
Ion Ratio Lower Upper
64 100
66 31.1 21.3 39.5

Instrument :
MSVOA_U
ClientSampleId :
H4555MS

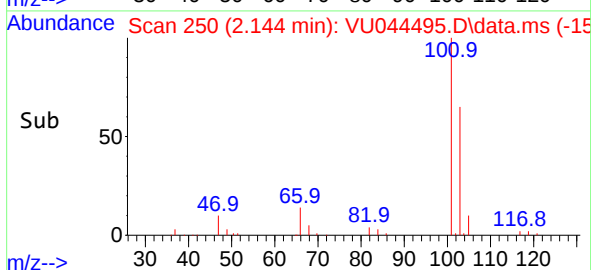
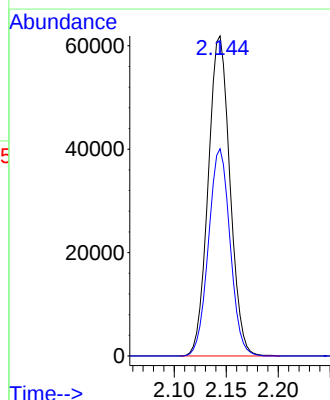
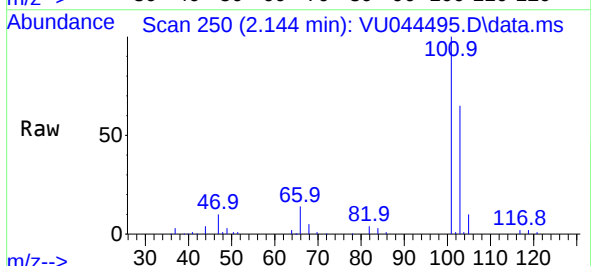
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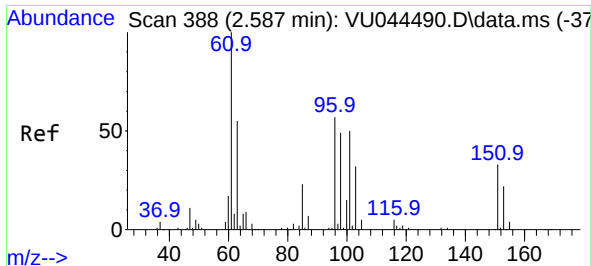
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#9
Trichlorofluoromethane
Concen: 5.050 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion:101 Resp: 90030
Ion Ratio Lower Upper
101 100
103 64.2 51.6 77.4





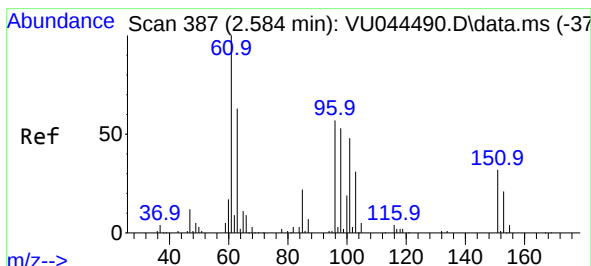
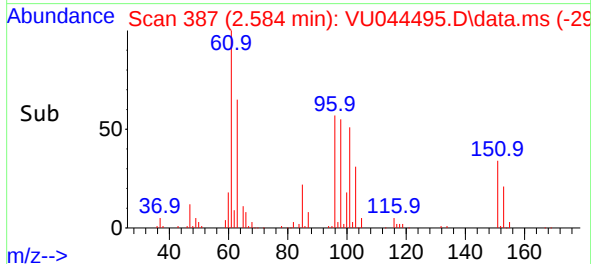
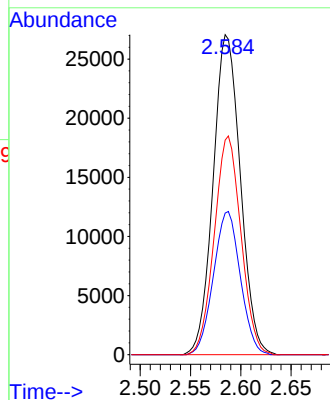
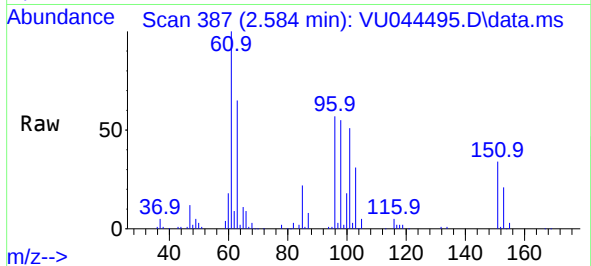
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.203 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Instrument :
MSVOA_U
ClientSampled :
H4555MS

Tgt Ion:	101	Resp:	51029
Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.3	52.9
151	67.0	53.0	79.6

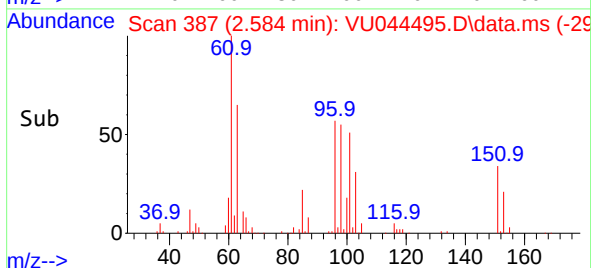
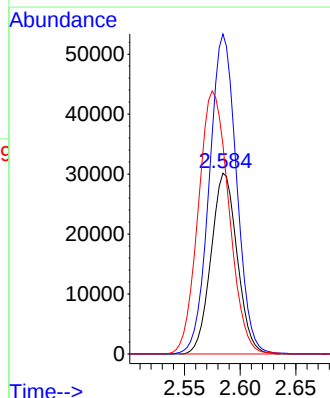
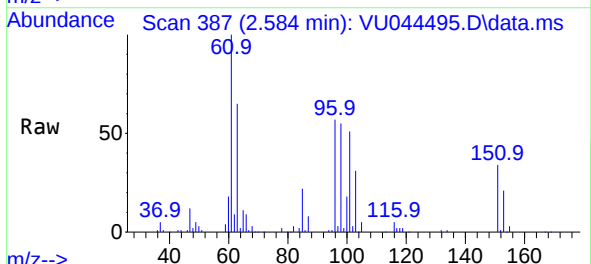
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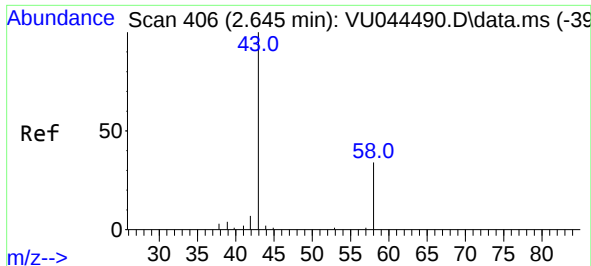
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#12
1,1-Dichloroethene
Concen: 5.110 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

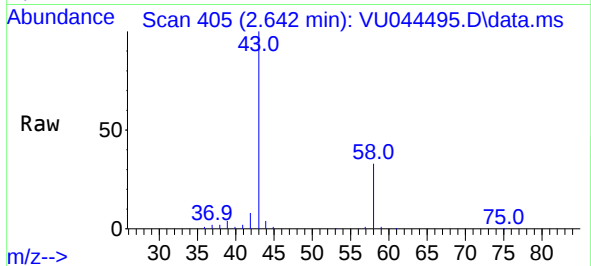
Tgt Ion:	96	Resp:	49157
Ion	Ratio	Lower	Upper
96	100		
61	177.0	126.1	234.3
63	115.8	84.8	157.6





#13
Acetone
Concen: 46.828 ug/L m
RT: 2.642 min Scan# 405
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

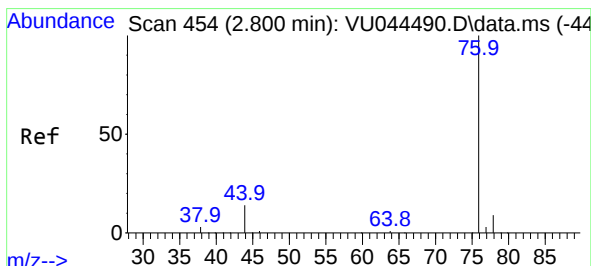
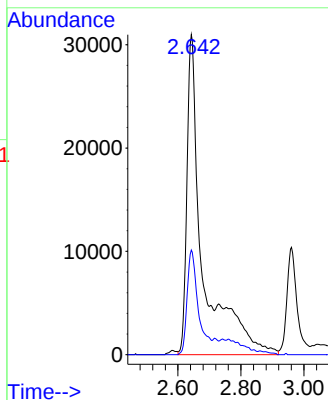
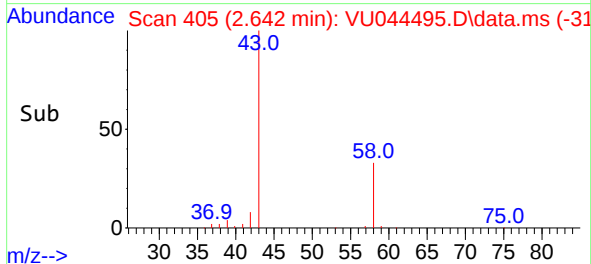
Instrument :
MSVOA_U
ClientSampled :
H4555MS



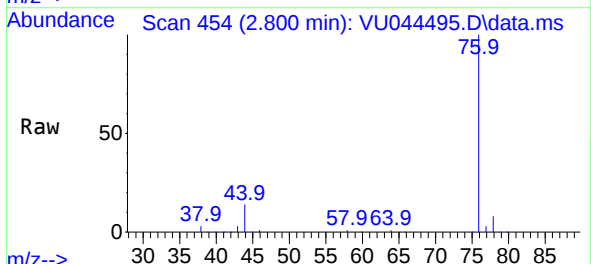
Tgt Ion: 43 Resp: 108872
Ion Ratio Lower Upper
43 100
58 23.1 0.0 45.4

Manual Integrations
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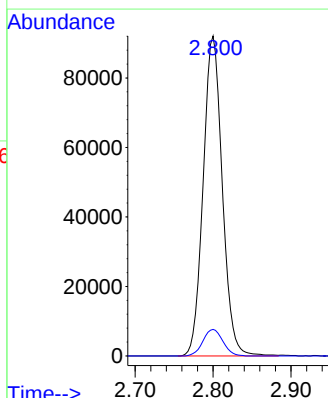
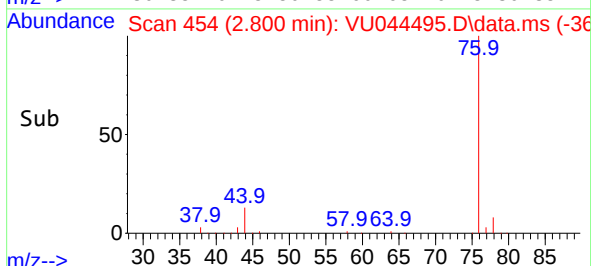
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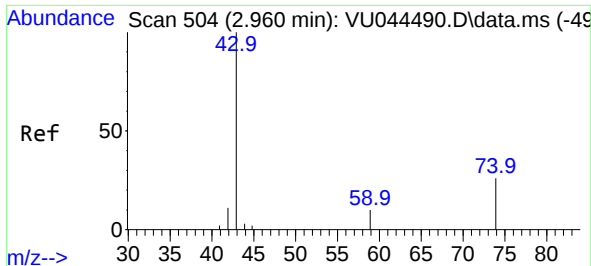


#14
Carbon disulfide
Concen: 5.038 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



Tgt Ion: 76 Resp: 157213
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8





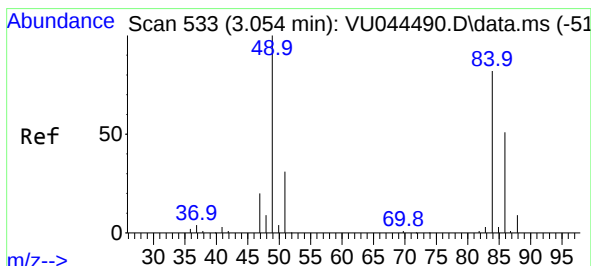
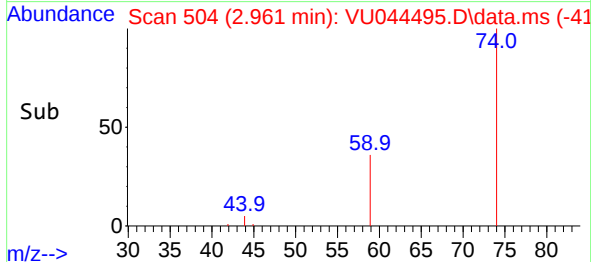
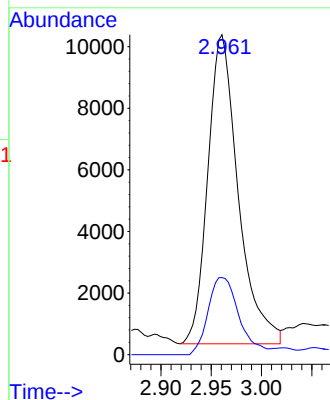
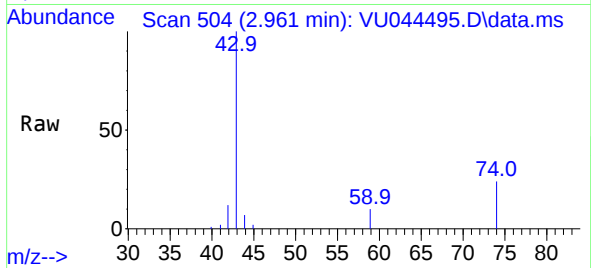
#15
Methyl Acetate
Concen: 5.563 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 43 Resp: 21123
Ion Ratio Lower Upper
43 100
74 25.4 19.0 28.4

Instrument :
MSVOA_U
ClientSampled :
H4555MS

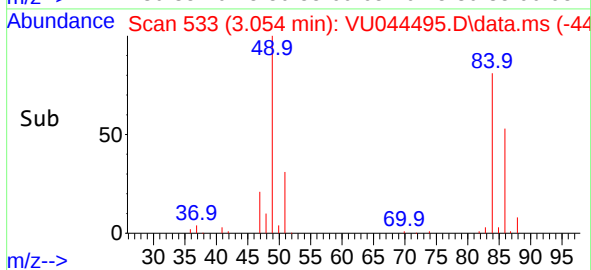
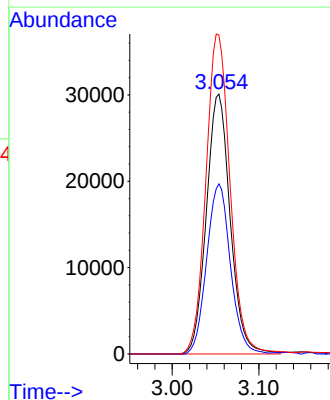
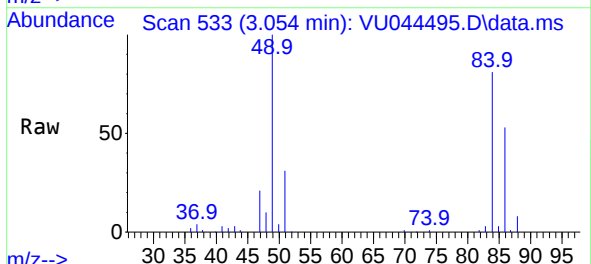
Manual Integrations
APPROVED

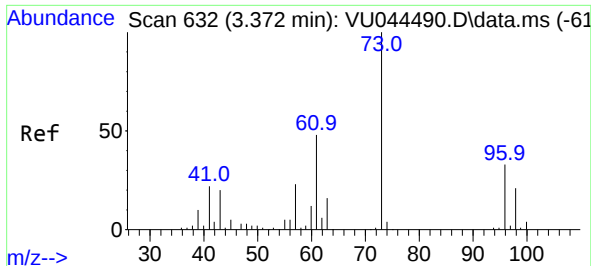
SAM
8/24/2021 11:21:28 AM



#16
Methylene chloride
Concen: 4.036 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 84 Resp: 57688
Ion Ratio Lower Upper
84 100
86 65.5 45.2 84.0
49 122.7 88.8 165.0





#17
Methyl tert-butyl Ether
Concen: 5.568 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

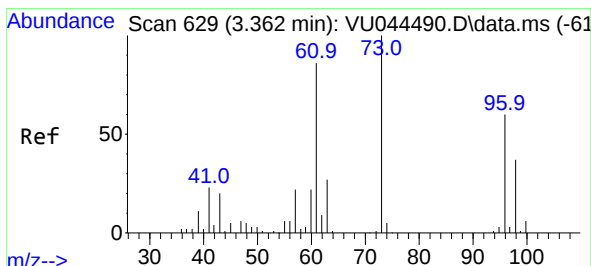
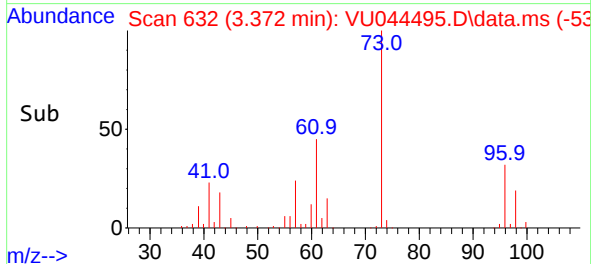
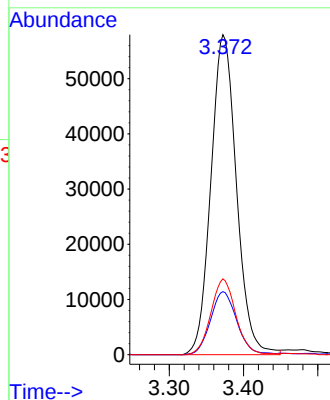
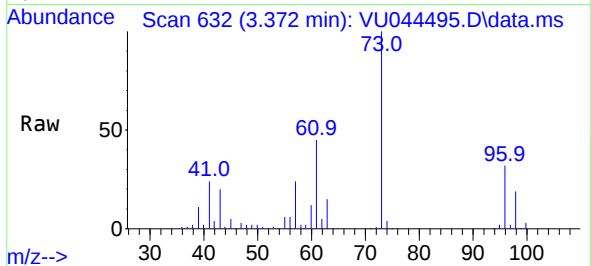
Tgt Ion: 73 Resp: 138519

Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.2	24.4
57	23.2	17.8	26.8

Instrument :
MSVOA_U
ClientSampled :
H4555MS

Manual Integrations
APPROVED

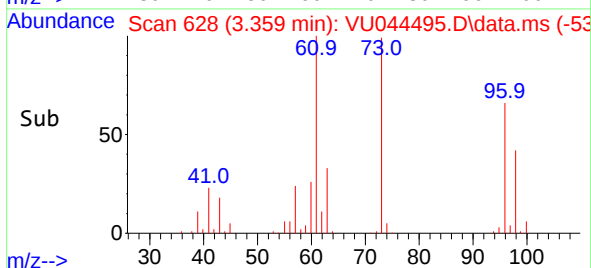
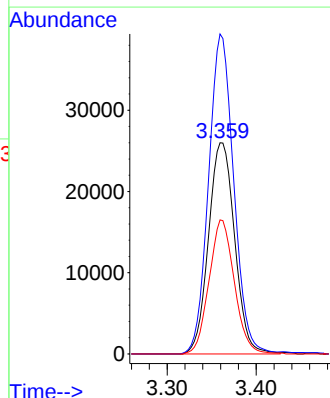
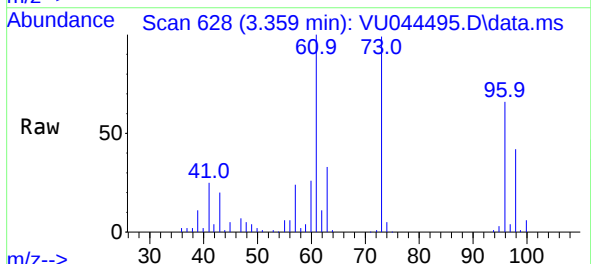
SAM
8/24/2021 11:21:28 AM

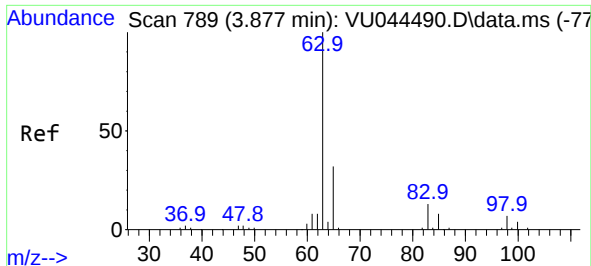


#18
trans-1,2-Dichloroethene
Concen: 5.296 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 96 Resp: 53089

Ion	Ratio	Lower	Upper
96	100		
61	151.5	103.7	192.5
98	63.5	44.7	83.1





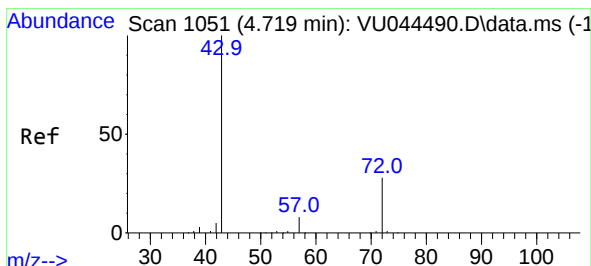
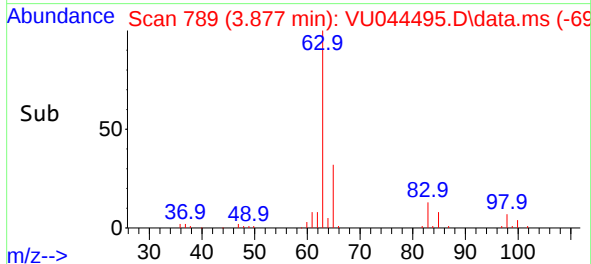
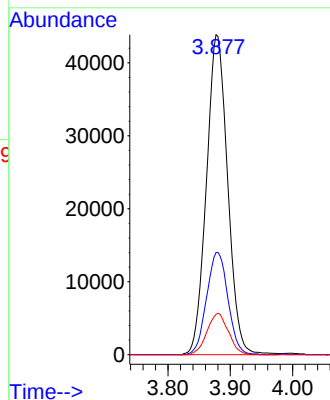
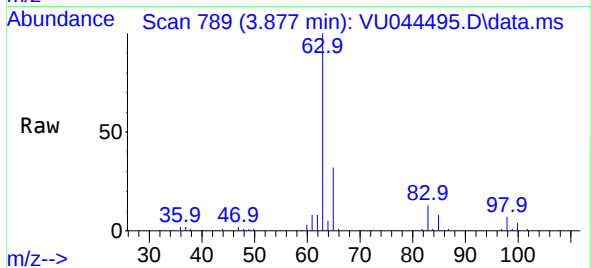
#19
1,1-Dichloroethane
Concen: 5.338 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 63 Resp: 103721
Ion Ratio Lower Upper
63 100
65 32.0 23.4 43.6
83 12.6 9.0 16.6

Instrument :
MSVOA_U
ClientSampleId :
H4555MS

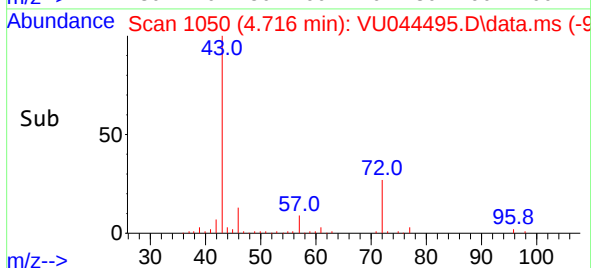
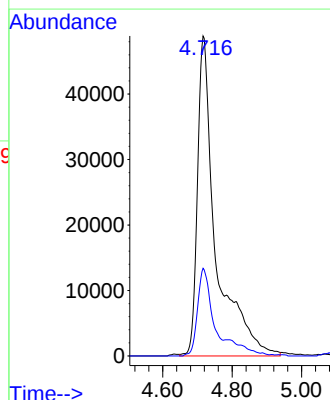
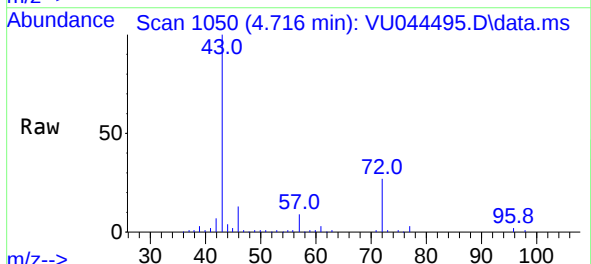
Manual Integrations
APPROVED

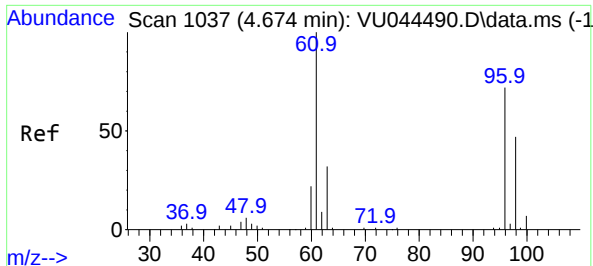
SAM
8/24/2021 11:21:28 AM



#21
2-Butanone
Concen: 54.213 ug/L m
RT: 4.716 min Scan# 1050
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

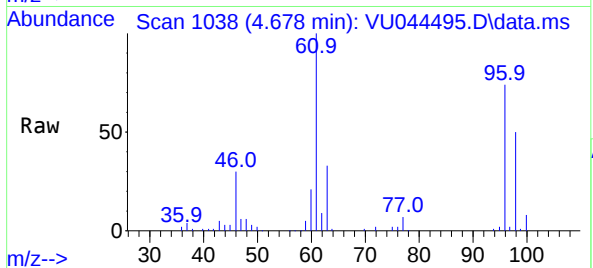
Tgt Ion: 43 Resp: 179617
Ion Ratio Lower Upper
43 100
72 21.1 14.1 42.4





#22
cis-1,2-Dichloroethene
Concen: 5.345 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

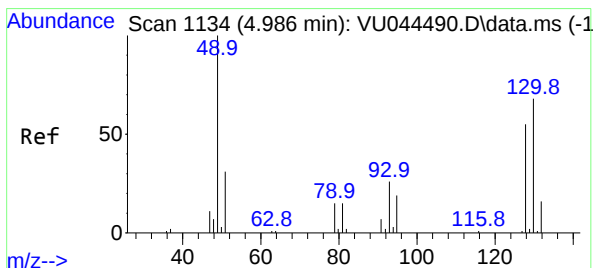
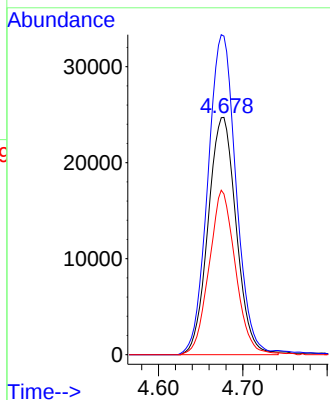
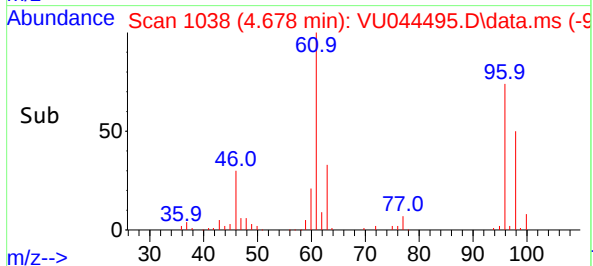
Instrument :
MSVOA_U
ClientSampled :
H4555MS



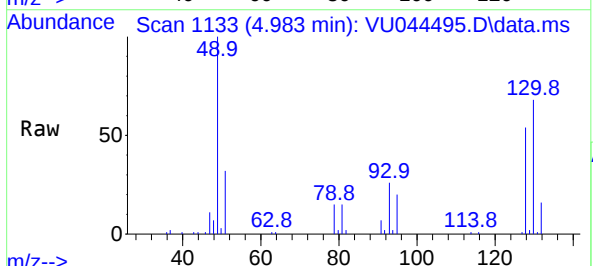
Tgt Ion: 96 Resp: 57281
Ion Ratio Lower Upper
96 100
61 134.3 93.9 174.5
98 67.7 44.7 83.1

Manual Integrations
APPROVED

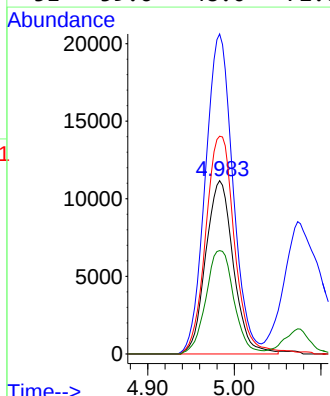
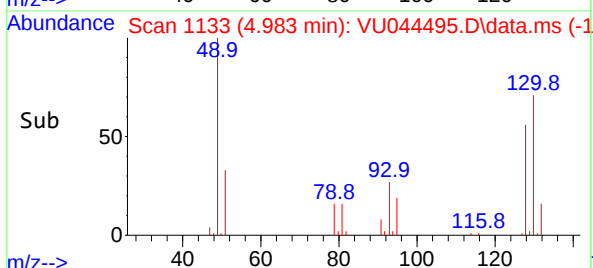
SAM
8/24/2021 11:21:28 AM

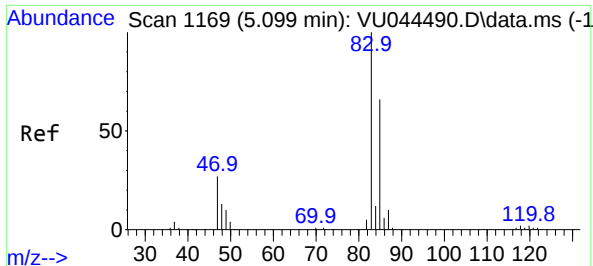


#23
Bromochloromethane
Concen: 5.251 ug/L
RT: 4.983 min Scan# 1133
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



Tgt Ion: 128 Resp: 24807
Ion Ratio Lower Upper
128 100
49 190.6 128.1 237.9
130 125.7 89.2 165.8
51 59.6 48.0 72.0





#25

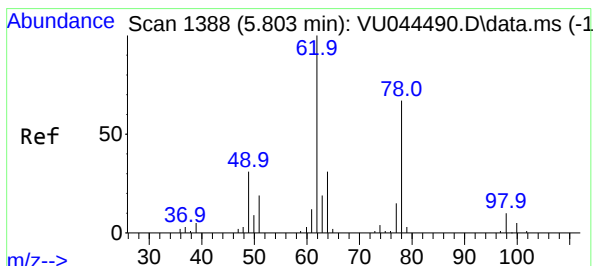
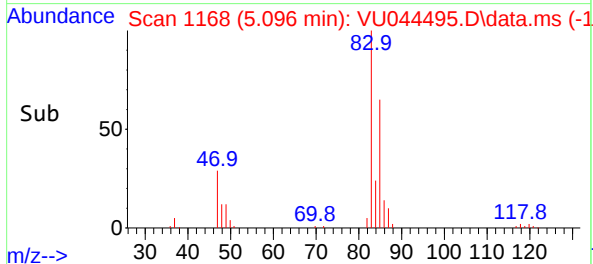
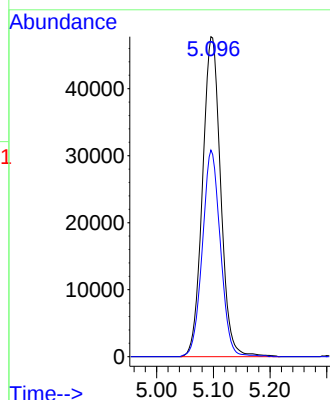
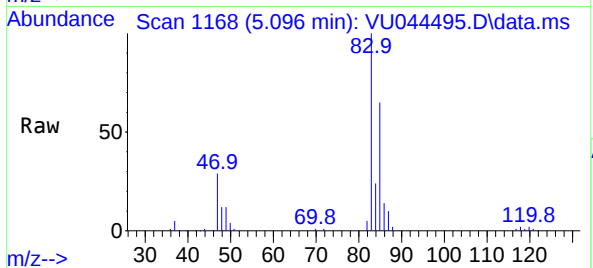
Chloroform
Concen: 5.330 ug/L
RT: 5.096 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 83 Resp: 106262
Ion Ratio Lower Upper
83 100
85 64.6 45.3 84.1

Instrument :
MSVOA_U
ClientSampled :
H4555MS

Manual Integrations
APPROVED

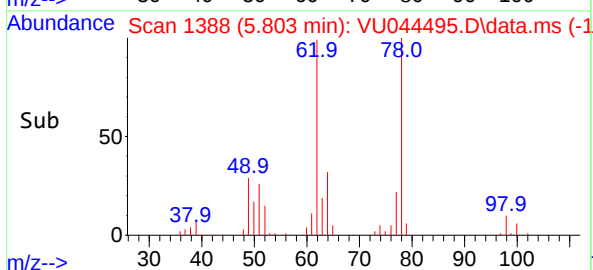
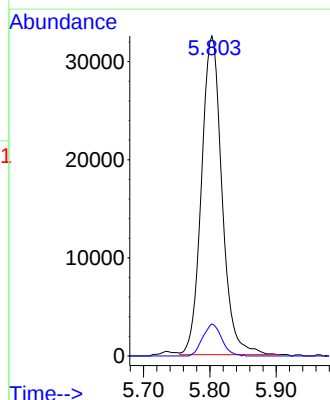
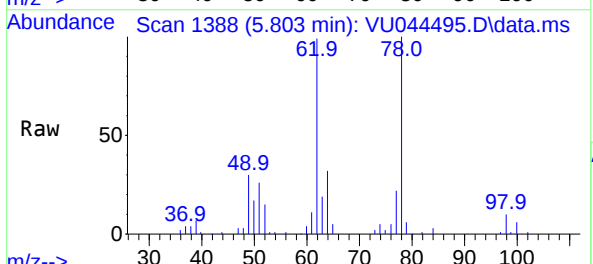
SAM
8/24/2021 11:21:28 AM

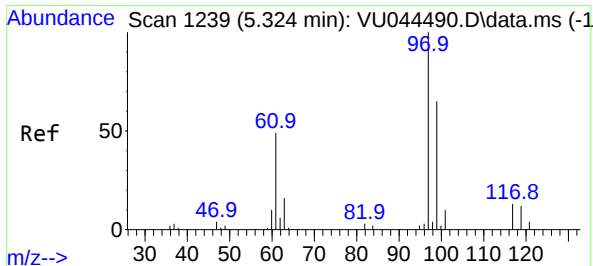


#27

1,2-Dichloroethane
Concen: 5.249 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 62 Resp: 69806
Ion Ratio Lower Upper
62 100
98 10.0 8.0 12.0





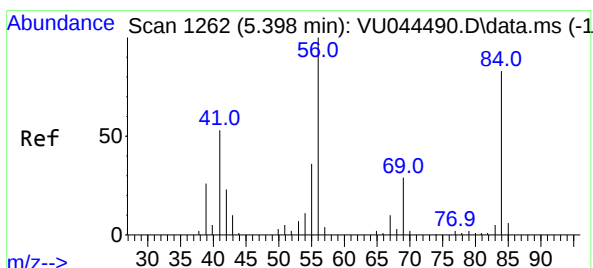
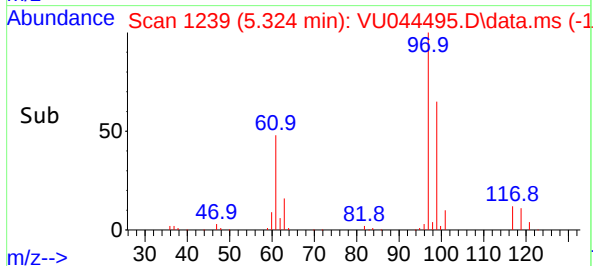
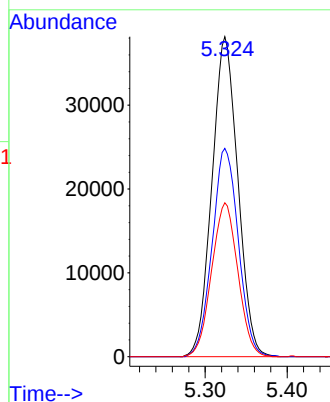
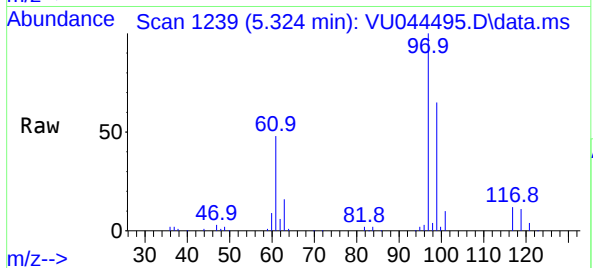
#29
1,1,1-Trichloroethane
Concen: 5.289 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 97 Resp: 83720
Ion Ratio Lower Upper
97 100
99 66.0 52.5 78.7
61 48.8 39.2 58.8

Instrument :
MSVOA_U
ClientSampleId :
H4555MS

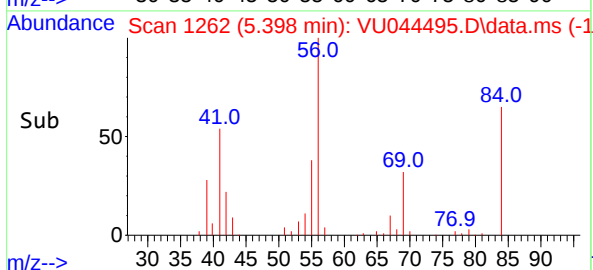
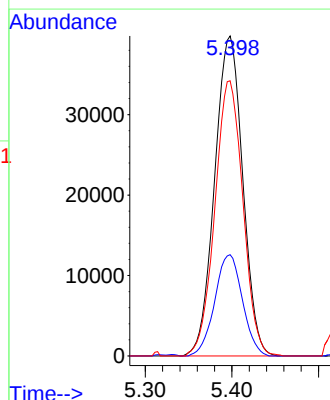
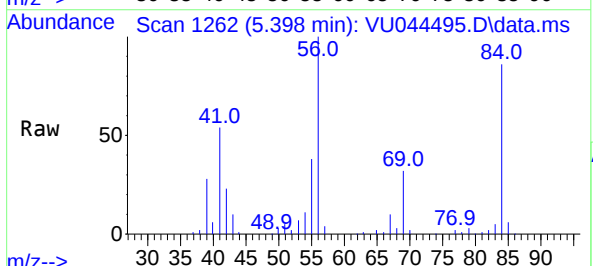
Manual Integrations
APPROVED

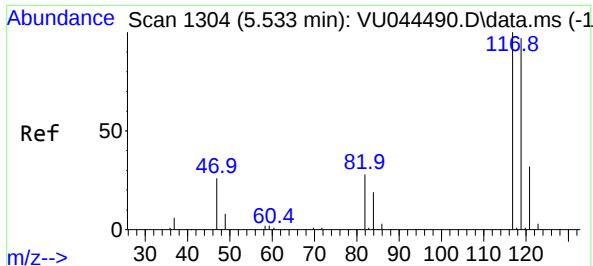
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8/24/2021 11:21:28 AM



#30
Cyclohexane
Concen: 5.127 ug/L
RT: 5.398 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

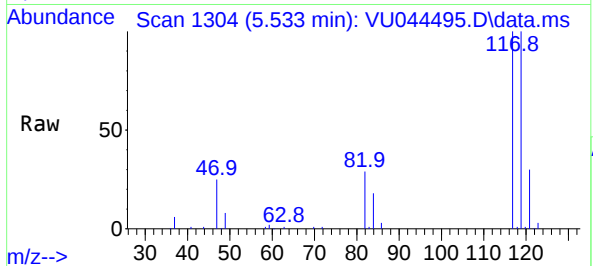
Tgt Ion: 56 Resp: 89711
Ion Ratio Lower Upper
56 100
69 31.2 24.3 36.5
84 85.8 68.4 102.6





#31
Carbon tetrachloride
Concen: 5.193 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

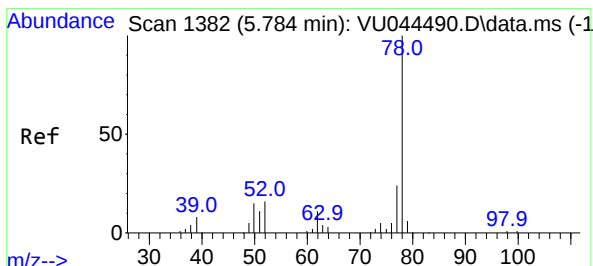
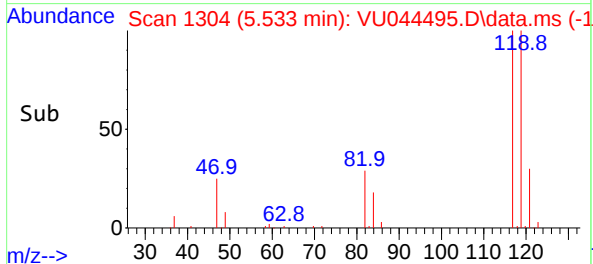
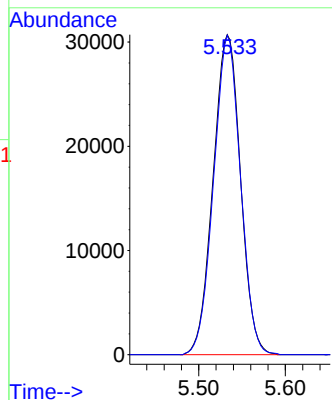
Instrument :
MSVOA_U
ClientSampled :
H4555MS



Tgt Ion:117 Resp: 67544
Ion Ratio Lower Upper
117 100
119 97.6 76.6 114.8

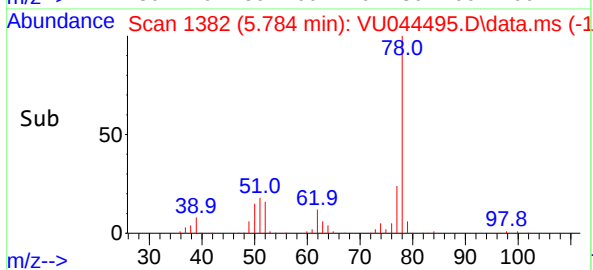
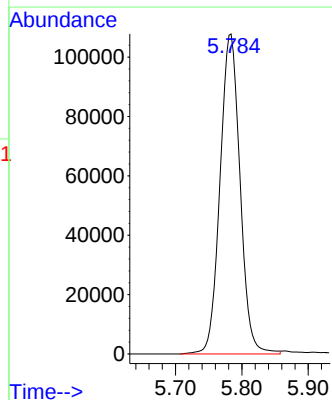
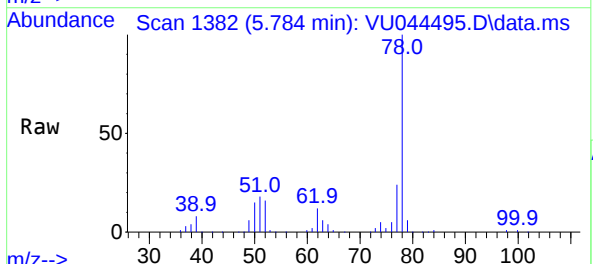
Manual Integrations
APPROVED

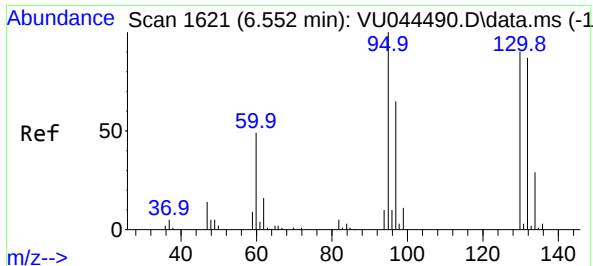
SAM
8/24/2021 11:21:28 AM



#33
Benzene
Concen: 5.257 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 78 Resp: 225580





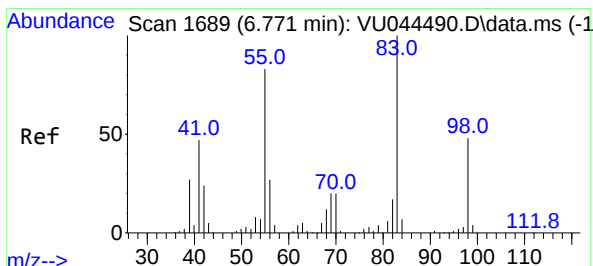
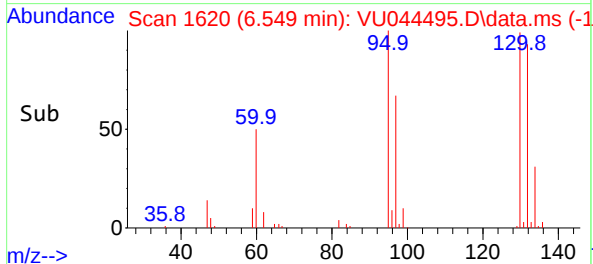
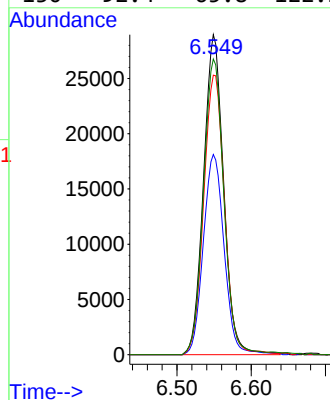
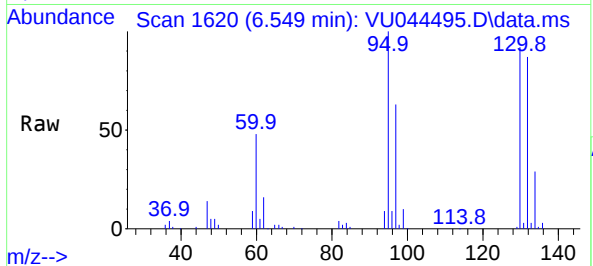
#34
Trichloroethene
Concen: 5.127 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion:	95	Resp:	54395
Ion	Ratio	Lower	Upper
95	100		
97	62.6	45.6	84.8
132	87.4	63.4	117.8
130	92.4	65.8	122.2

Instrument :
MSVOA_U
ClientSampleId :
H4555MS

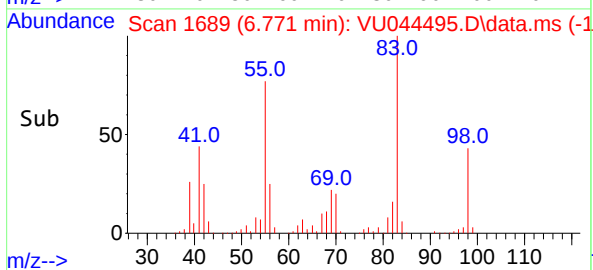
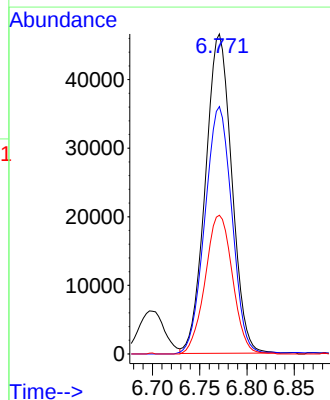
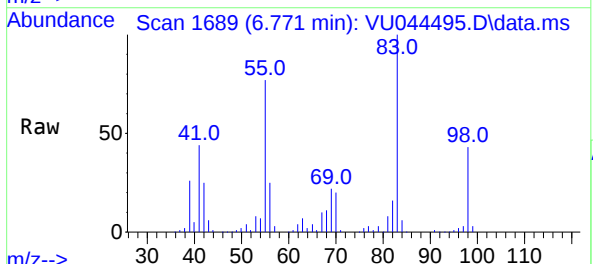
Manual Integrations
APPROVED

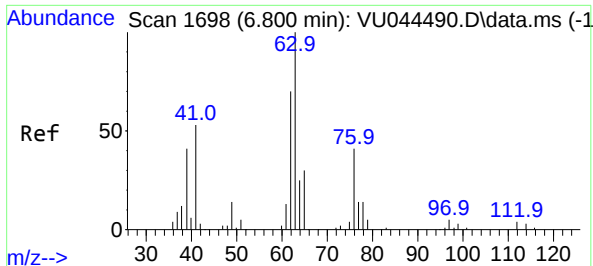
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#35
Methylcyclohexane
Concen: 5.101 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion:	83	Resp:	90256
Ion	Ratio	Lower	Upper
83	100		
55	79.7	64.8	97.2
98	45.1	37.5	56.3





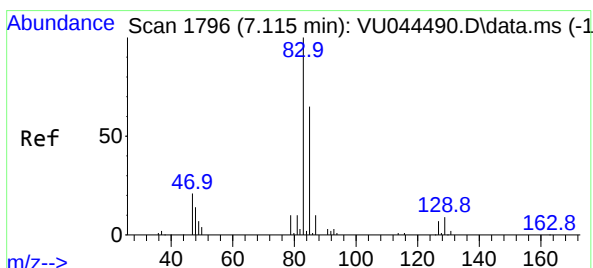
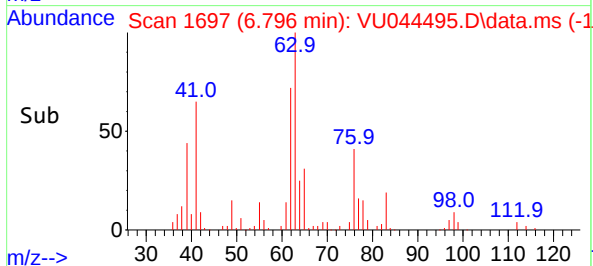
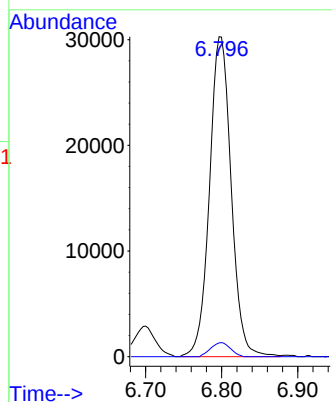
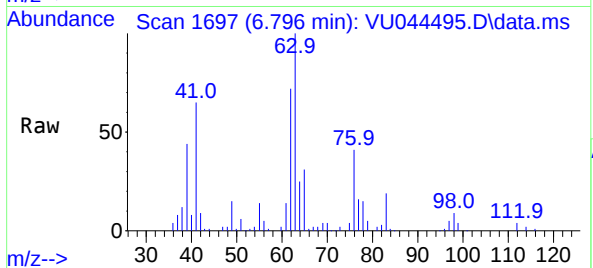
#37
1,2-Dichloropropane
Concen: 5.345 ug/L
RT: 6.796 min Scan# 1697
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 63 Resp: 60052
Ion Ratio Lower Upper
63 100
112 4.0 3.3 4.9

Instrument :
MSVOA_U
ClientSampled :
H4555MS

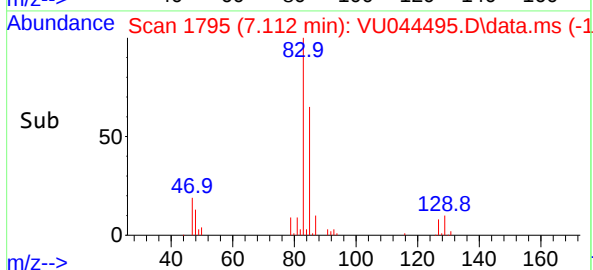
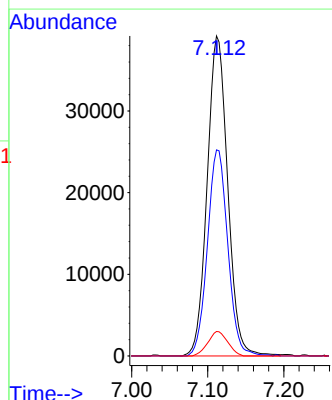
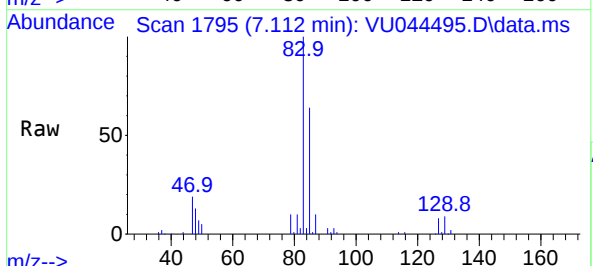
Manual Integrations
APPROVED

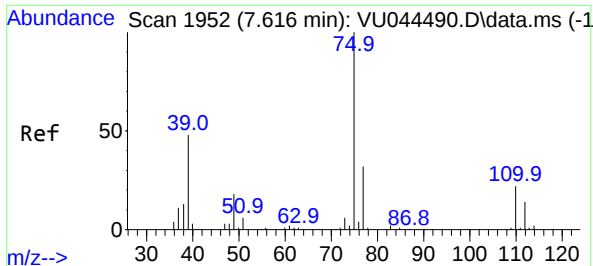
SAM
8/24/2021 11:21:28 AM



#38
Bromodichloromethane
Concen: 5.332 ug/L
RT: 7.112 min Scan# 1795
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 83 Resp: 73565
Ion Ratio Lower Upper
83 100
85 64.4 44.6 82.8
127 7.7 5.9 8.9





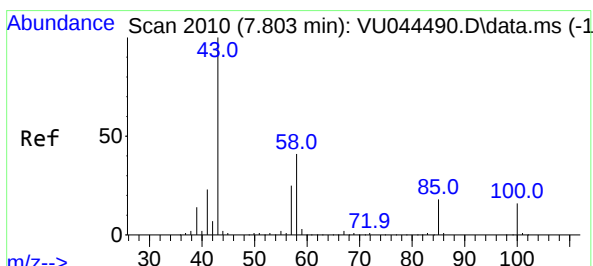
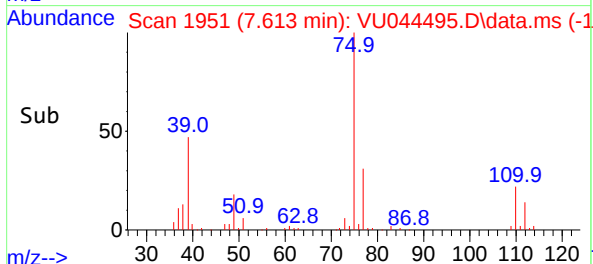
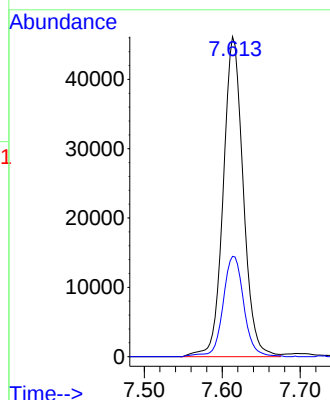
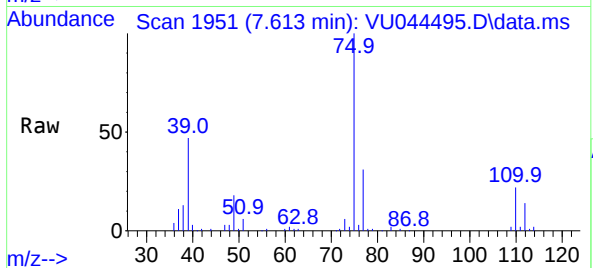
#39
cis-1,3-Dichloropropene
Concen: 5.237 ug/L
RT: 7.613 min Scan# 1951
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 75 Resp: 82529
Ion Ratio Lower Upper
75 100
77 31.4 22.2 41.2

Instrument :
MSVOA_U
ClientSampled :
H4555MS

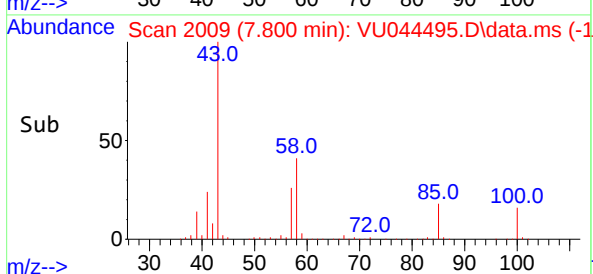
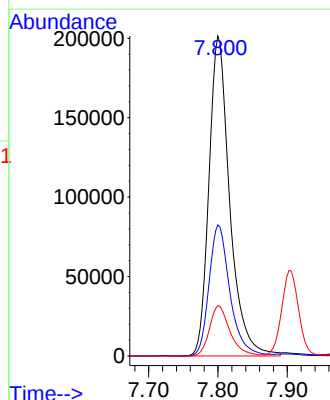
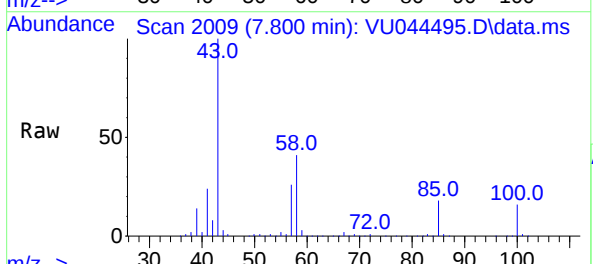
Manual Integrations
APPROVED

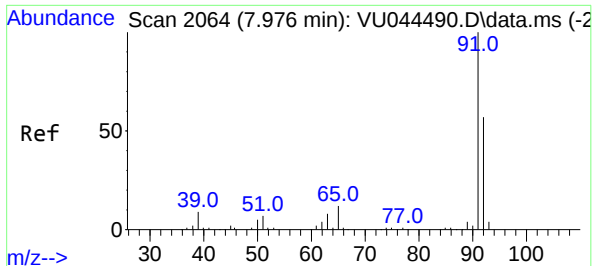
SAM
8/24/2021 11:21:28 AM



#40
4-Methyl-2-pentanone
Concen: 54.894 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

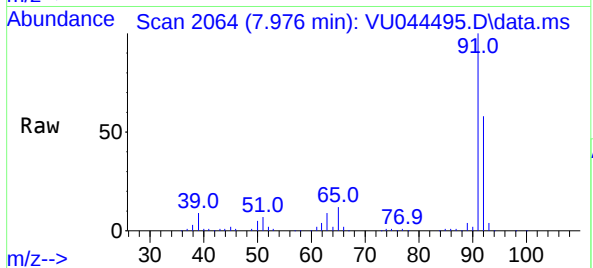
Tgt Ion: 43 Resp: 418788
Ion Ratio Lower Upper
43 100
58 41.3 32.5 48.7
100 15.5 12.3 18.5





#42
Toluene
Concen: 5.265 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

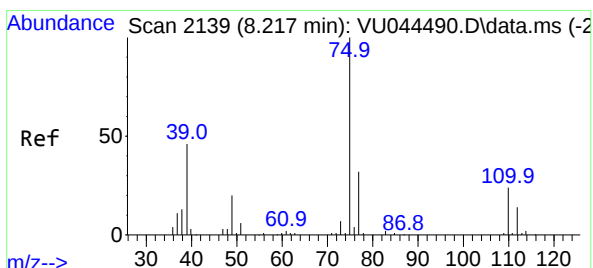
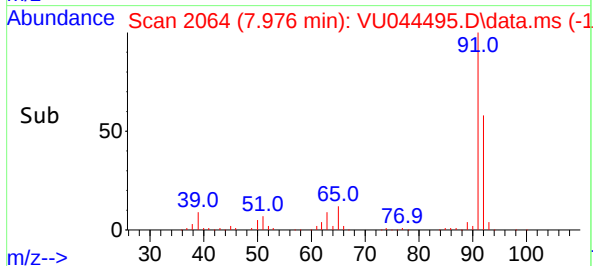
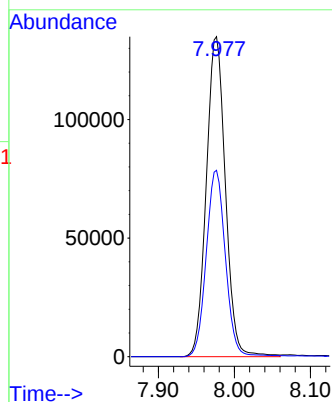
Instrument :
MSVOA_U
ClientSampled :
H4555MS



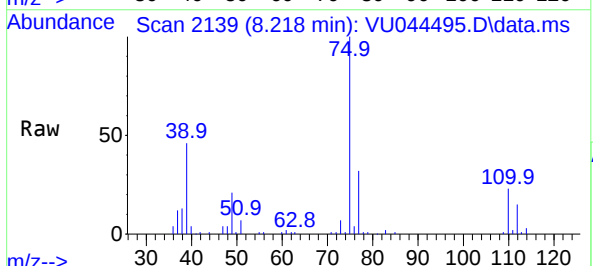
Tgt Ion: 91 Resp: 235334
Ion Ratio Lower Upper
91 100
92 58.3 40.7 75.5

Manual Integrations
APPROVED

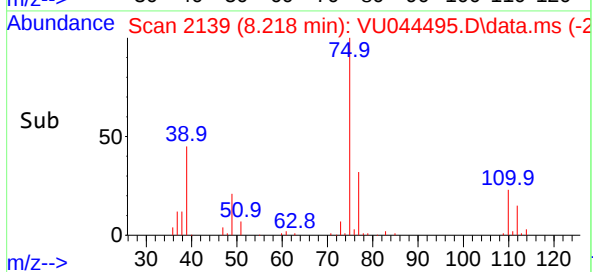
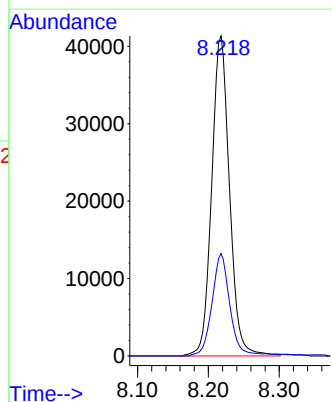
SAM
8/24/2021 11:21:28 AM

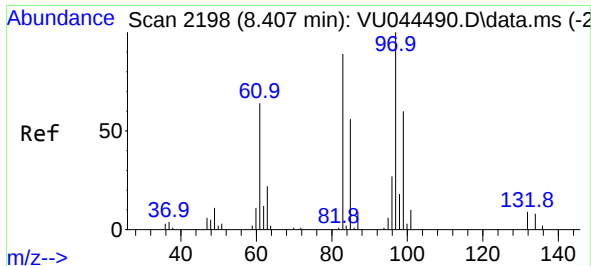


#44
trans-1,3-Dichloropropene
Concen: 5.398 ug/L
RT: 8.218 min Scan# 2139
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



Tgt Ion: 75 Resp: 72100
Ion Ratio Lower Upper
75 100
77 32.0 21.6 40.2





#45
1,1,2-Trichloroethane
Concen: 5.360 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

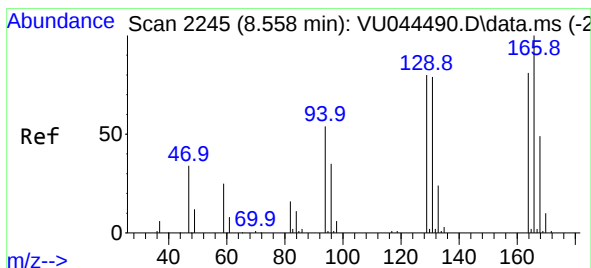
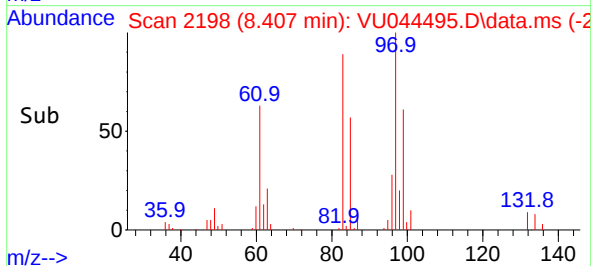
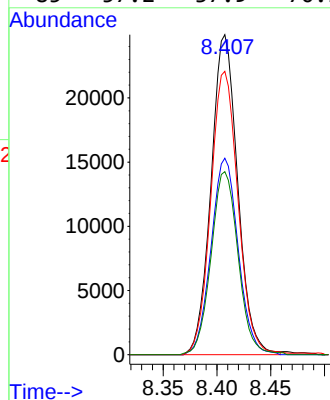
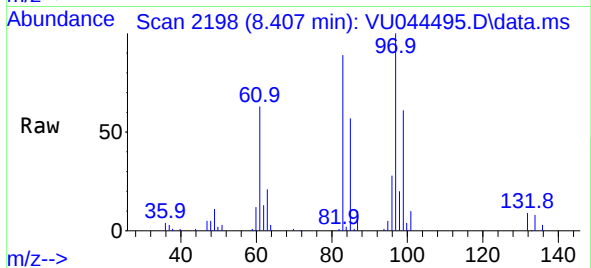
Tgt Ion: 97 Resp: 42943

Ion	Ratio	Lower	Upper
97	100		
99	61.4	41.3	76.7
83	88.5	58.6	108.8
85	57.2	37.9	70.5

Instrument :
MSVOA_U
ClientSampleId :
H4555MS

Manual Integrations
APPROVED

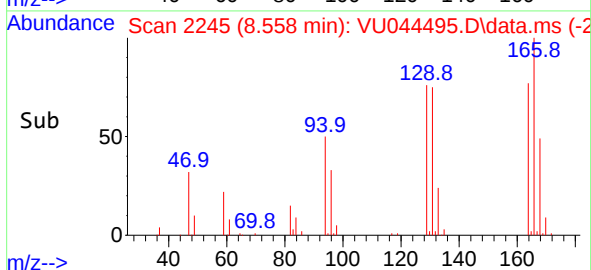
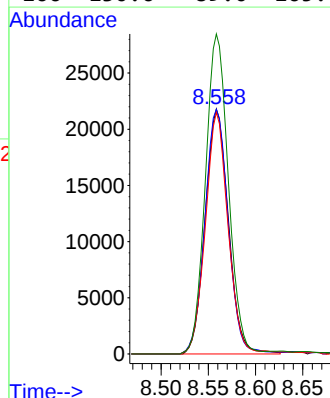
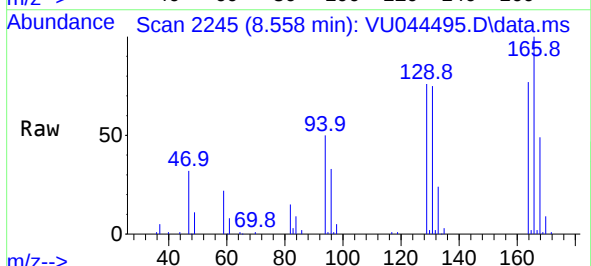
SAM
8/24/2021 11:21:28 AM

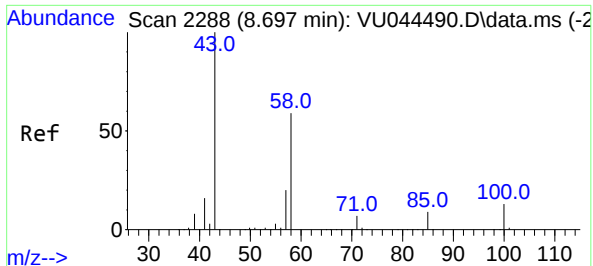


#47
Tetrachloroethene
Concen: 5.091 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 164 Resp: 37344

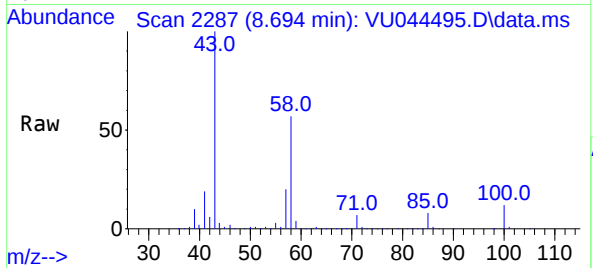
Ion	Ratio	Lower	Upper
164	100		
129	99.8	71.0	131.8
131	98.5	68.0	126.4
166	130.6	89.0	165.4





#48
2-Hexanone
Concen: 56.265 ug/L
RT: 8.694 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

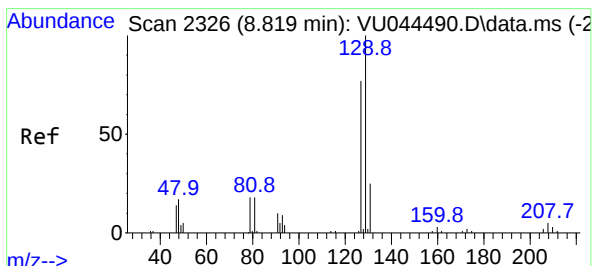
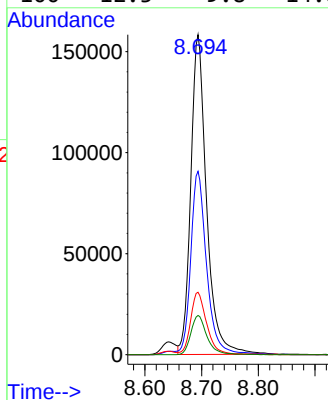
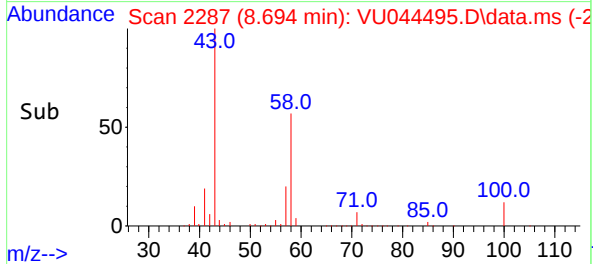
Instrument :
MSVOA_U
ClientSampled :
H4555MS



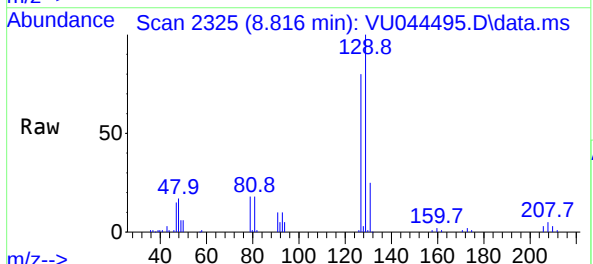
Tgt Ion: 43 Resp: 306290
Ion Ratio Lower Upper
43 100
58 57.8 46.5 69.7
57 19.6 15.8 23.8
100 12.3 9.8 14.8

Manual Integrations
APPROVED

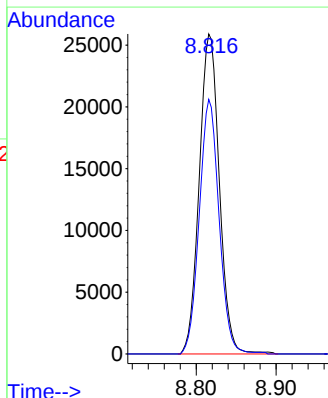
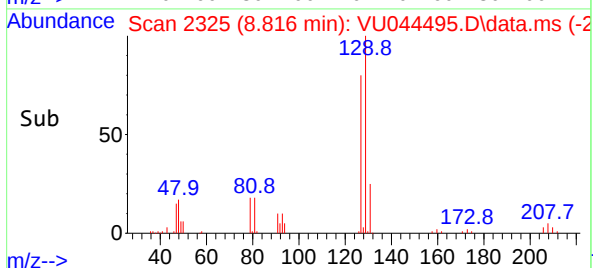
SAM
8/24/2021 11:21:28 AM

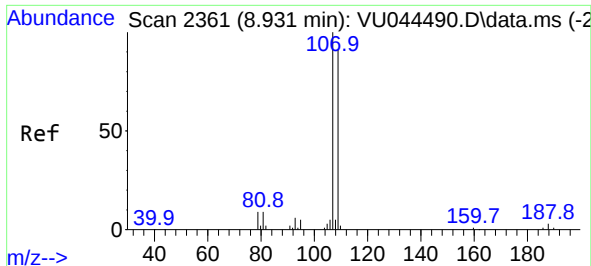


#49
Dibromochloromethane
Concen: 5.350 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



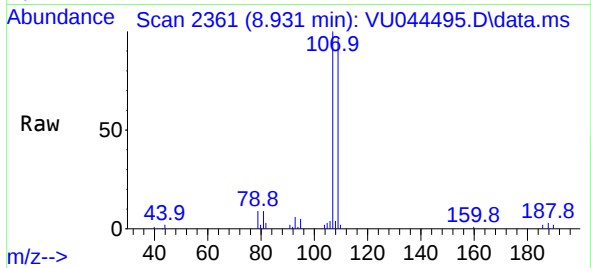
Tgt Ion: 129 Resp: 45361
Ion Ratio Lower Upper
129 100
127 79.6 54.7 101.7





#50
1,2-Dibromoethane
Concen: 5.326 ug/L
RT: 8.931 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

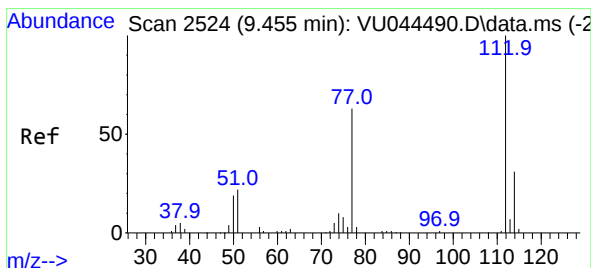
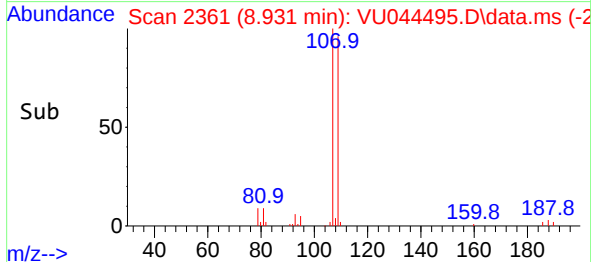
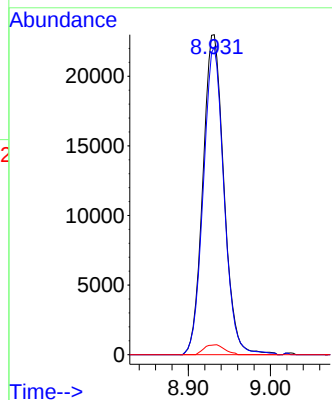
Instrument :
MSVOA_U
ClientSampled :
H4555MS



Tgt Ion:107 Resp: 40820
Ion Ratio Lower Upper
107 100
109 96.2 65.2 121.0
188 3.0 2.4 3.6

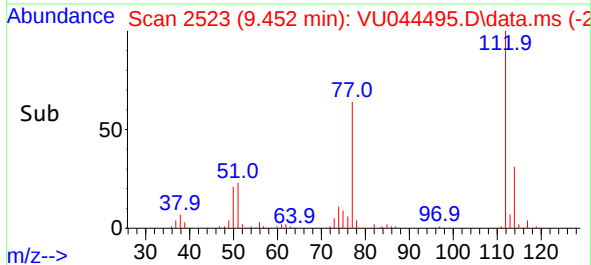
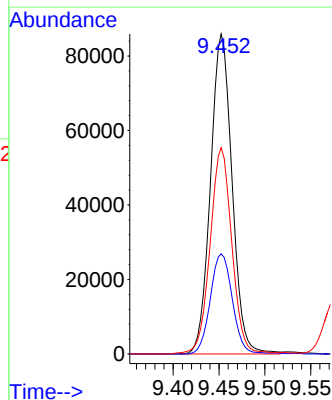
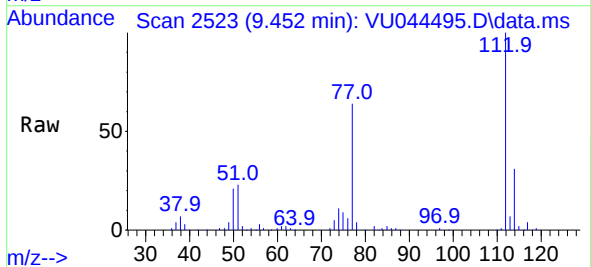
Manual Integrations
APPROVED

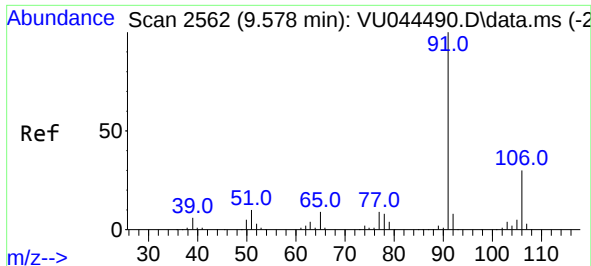
SAM
8/24/2021 11:21:28 AM



#51
Chlorobenzene
Concen: 5.121 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion:112 Resp: 140472
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.1
77 64.5 51.3 76.9





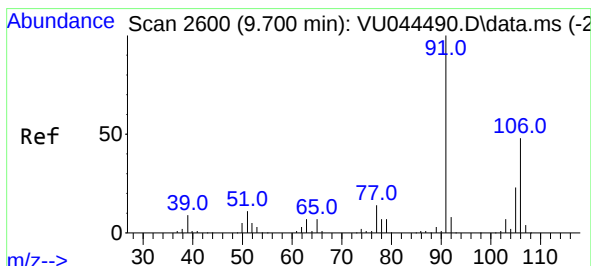
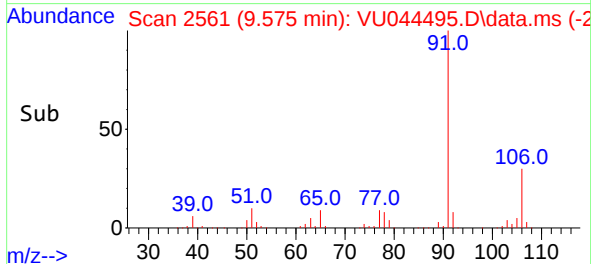
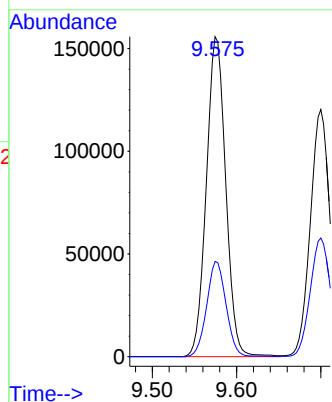
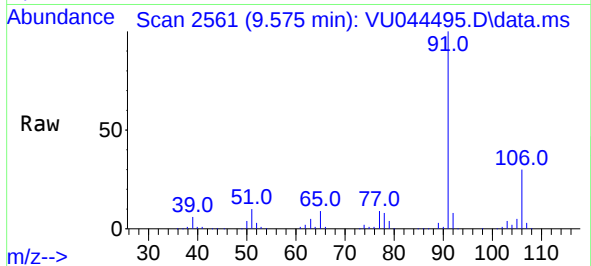
#52
Ethylbenzene
Concen: 5.285 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 91 Resp: 249522
Ion Ratio Lower Upper
91 100
106 29.8 21.3 39.6

Instrument :
MSVOA_U
ClientSampled :
H4555MS

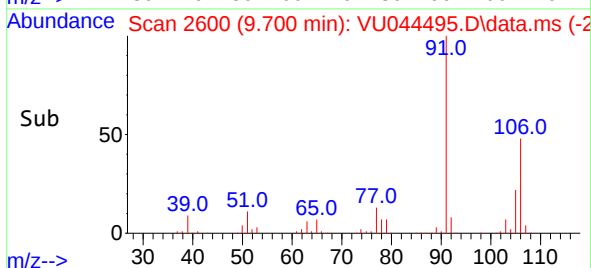
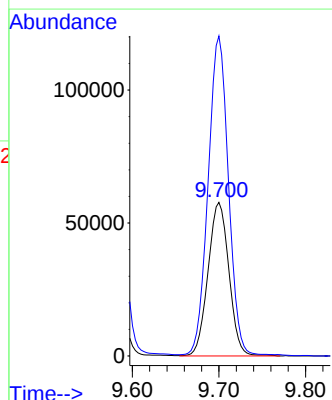
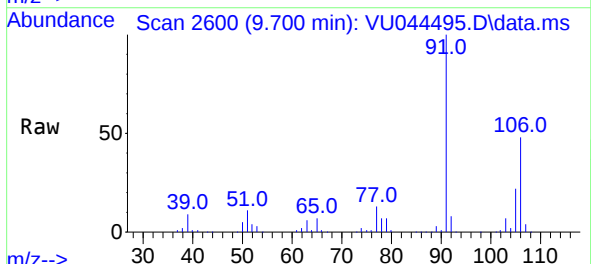
Manual Integrations
APPROVED

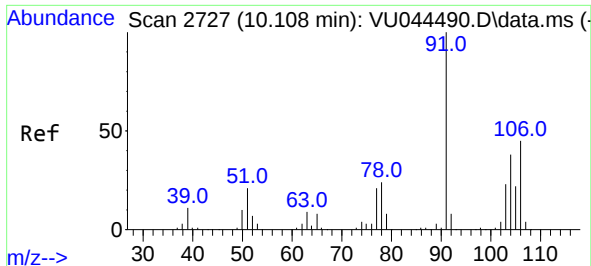
SAM
8/24/2021 11:21:28 AM



#53
m,p-Xylene
Concen: 5.465 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion: 106 Resp: 97011
Ion Ratio Lower Upper
106 100
91 208.2 146.2 271.6





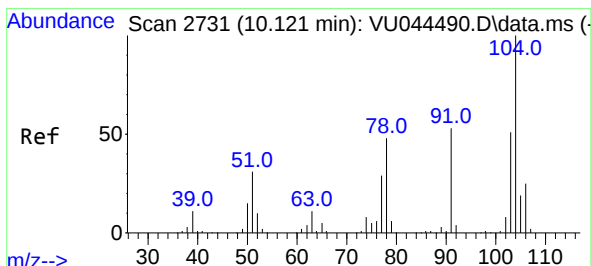
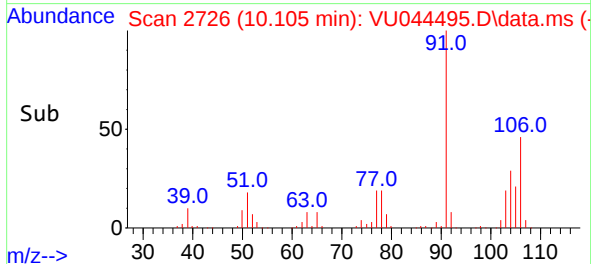
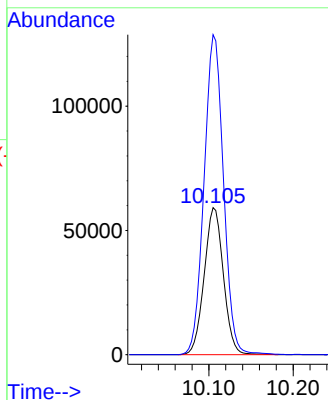
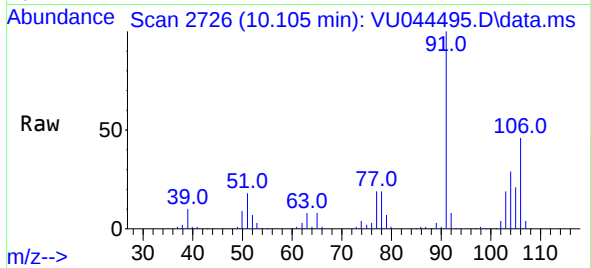
#54
o-Xylene
Concen: 5.428 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Instrument :
MSVOA_U
ClientSampled :
H4555MS

Tgt Ion:106 Resp: 93865
Ion Ratio Lower Upper
106 100
91 217.6 154.4 286.8

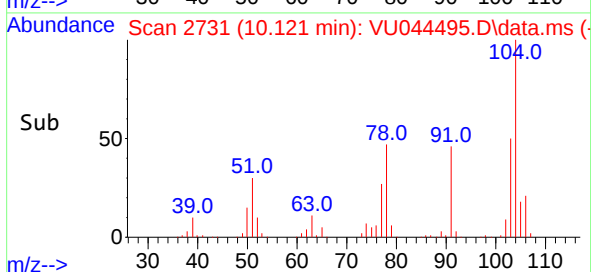
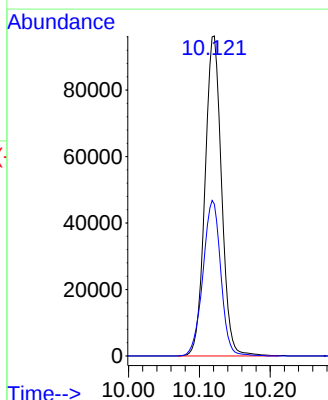
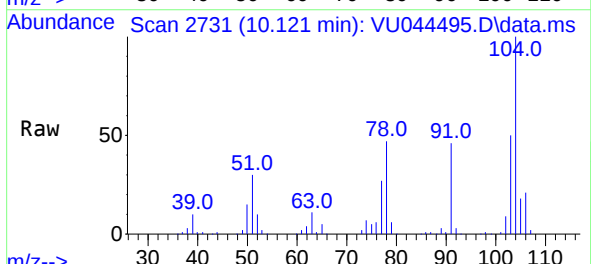
Manual Integrations
APPROVED

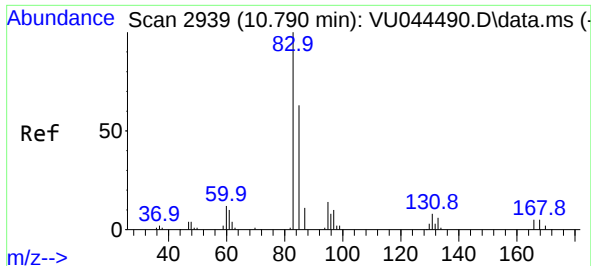
SAM
8/24/2021 11:21:28 AM



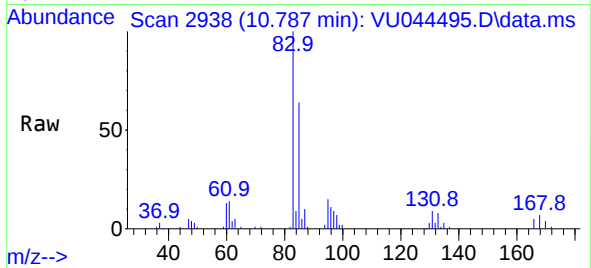
#55
Styrene
Concen: 5.521 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion:104 Resp: 156527
Ion Ratio Lower Upper
104 100
78 47.5 32.6 60.5

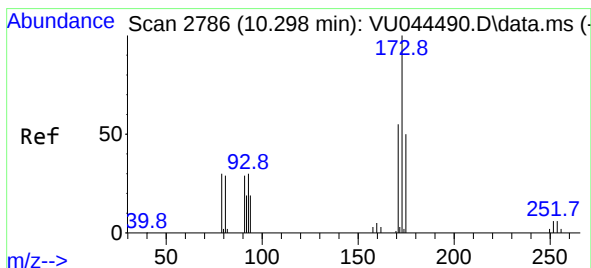
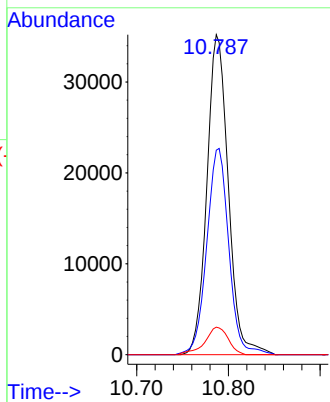
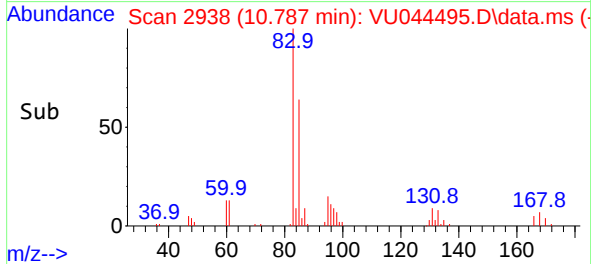




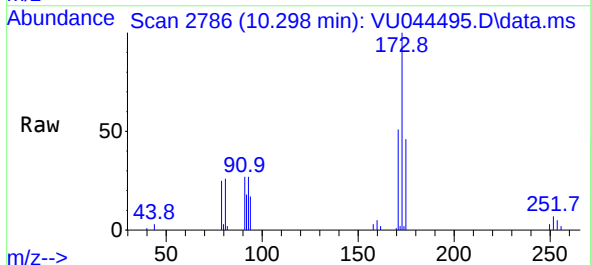
#57
1,1,2,2-Tetrachloroethane
Concen: 5.404 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



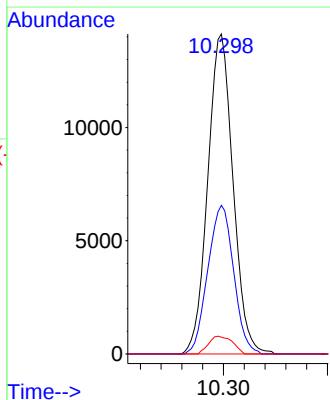
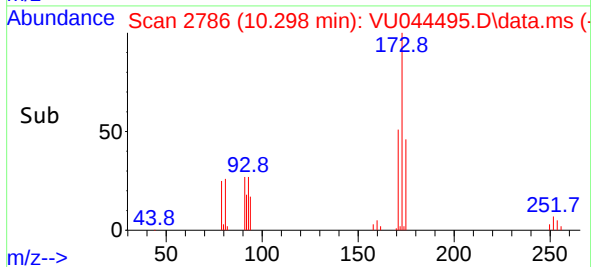
Tgt Ion: 83 Resp: 57008
Ion Ratio Lower Upper
83 100
85 63.9 44.2 82.2
131 8.6 6.9 10.3



#59
Bromoform
Concen: 5.352 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



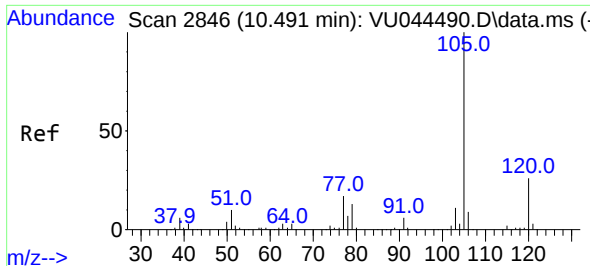
Tgt Ion: 173 Resp: 23826
Ion Ratio Lower Upper
173 100
175 47.5 38.0 57.0
254 5.2 4.3 6.5



Instrument :
MSVOA_U
ClientSampled :
H4555MS

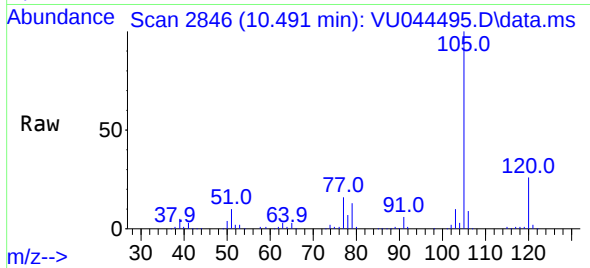
Manual Integrations
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#60
Isopropylbenzene
Concen: 5.265 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

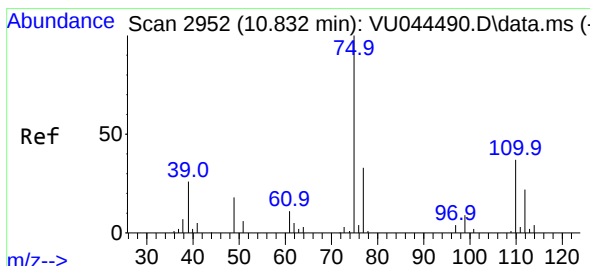
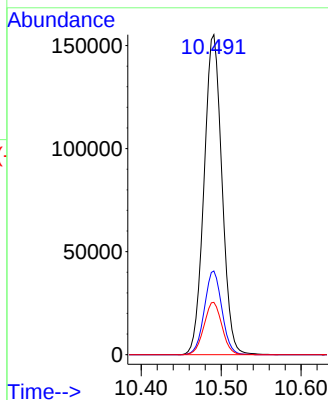
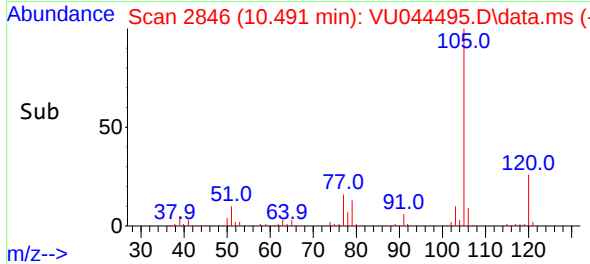
Instrument :
MSVOA_U
ClientSampled :
H4555MS



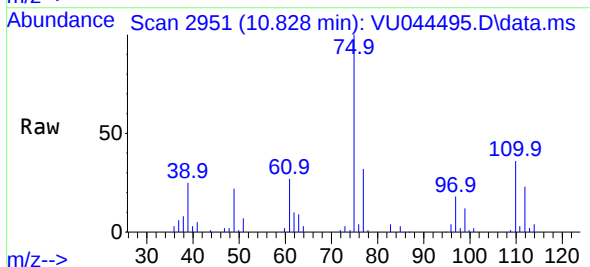
Tgt Ion:105 Resp: 242109
Ion Ratio Lower Upper
105 100
120 25.7 20.1 30.1
77 16.5 13.4 20.0

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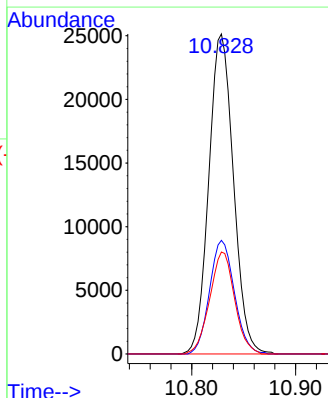
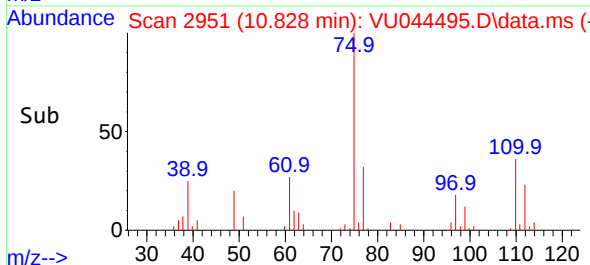
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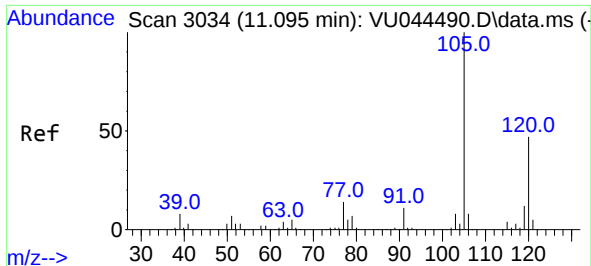


#61
1,2,3-Trichloropropane
Concen: 5.251 ug/L
RT: 10.828 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



Tgt Ion: 75 Resp: 41347
Ion Ratio Lower Upper
75 100
110 35.8 28.4 42.6
77 32.3 26.5 39.7





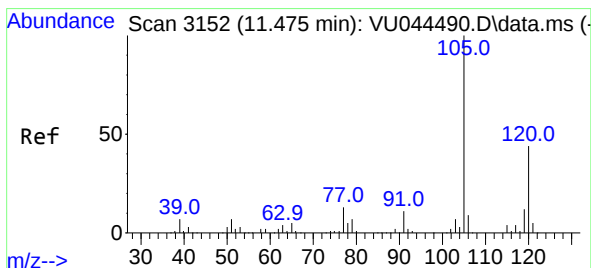
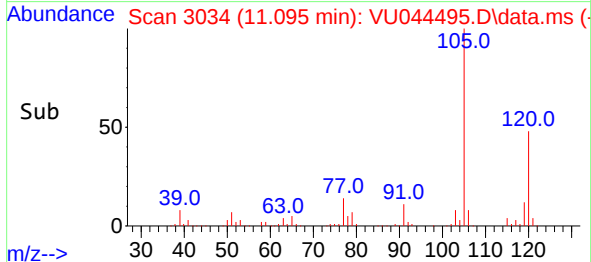
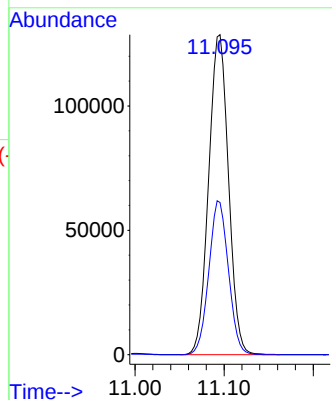
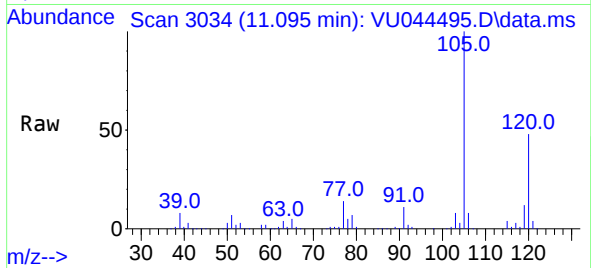
#62
1,3,5-Trimethylbenzene
Concen: 5.282 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion:105 Resp: 198600
Ion Ratio Lower Upper
105 100
120 47.5 37.8 56.6

Instrument :
MSVOA_U
ClientSampled :
H4555MS

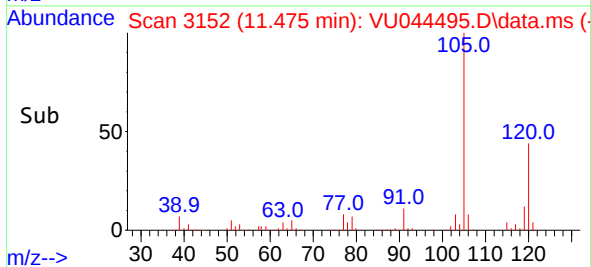
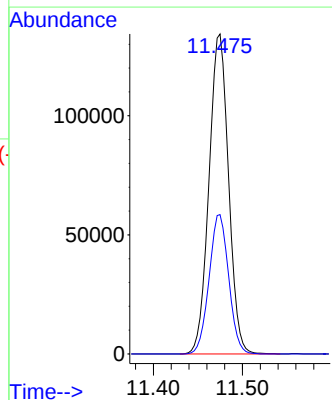
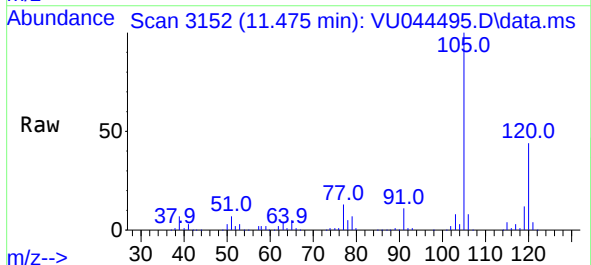
Manual Integrations
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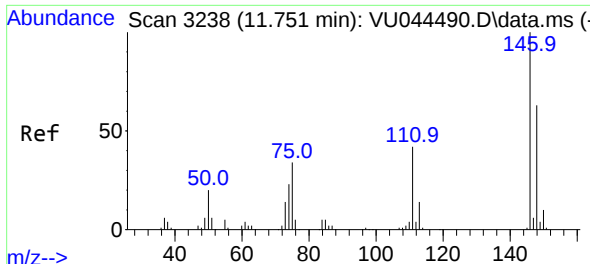
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#63
1,2,4-Trimethylbenzene
Concen: 5.308 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion:105 Resp: 204656
Ion Ratio Lower Upper
105 100
120 43.6 35.2 52.8





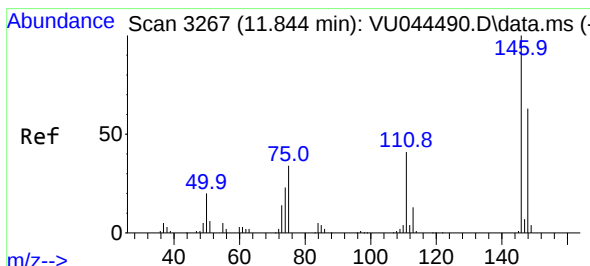
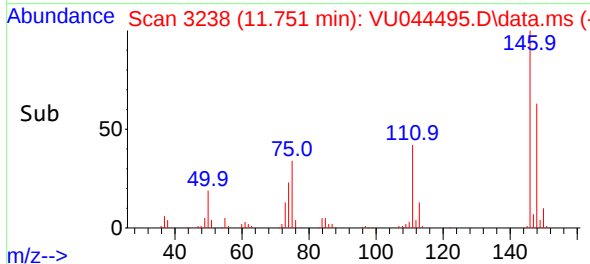
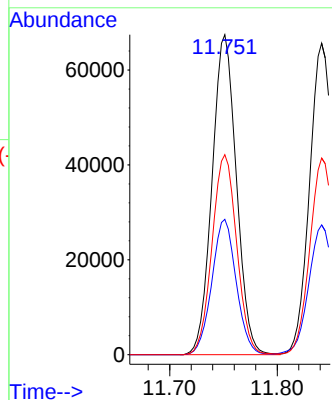
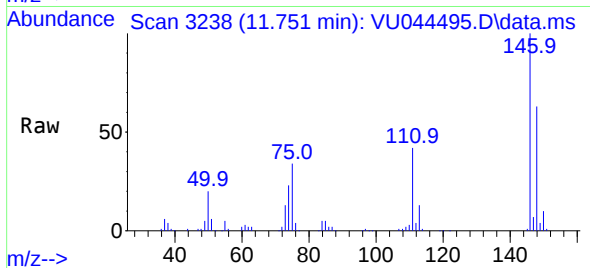
#64
1,3-Dichlorobenzene
Concen: 5.250 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion:146 Resp: 106012
Ion Ratio Lower Upper
146 100
111 42.3 29.6 55.0
148 62.5 44.7 83.1

Instrument :
MSVOA_U
ClientSampled :
H4555MS

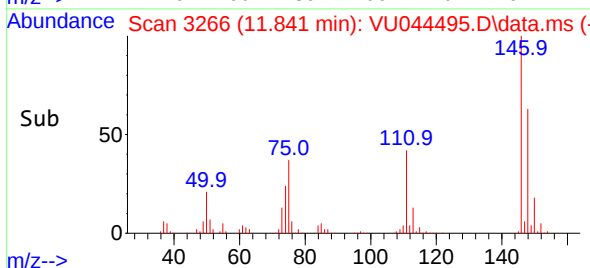
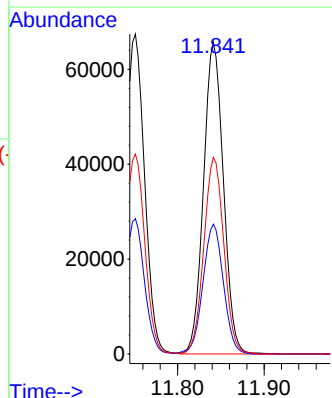
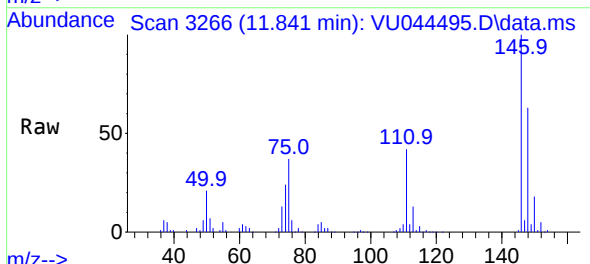
Manual Integrations
APPROVED

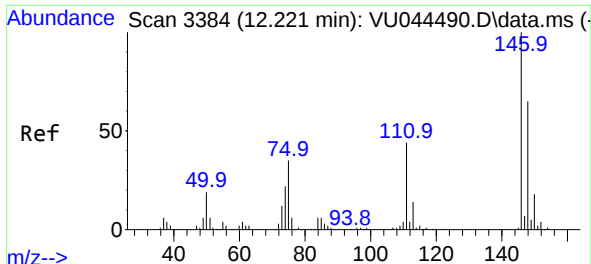
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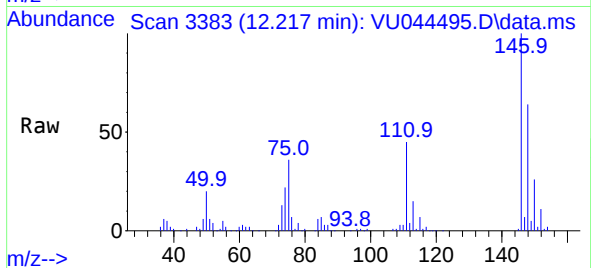
#65
1,4-Dichlorobenzene
Concen: 5.134 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

Tgt Ion:146 Resp: 104739
Ion Ratio Lower Upper
146 100
111 41.6 28.8 53.4
148 63.1 43.6 81.0

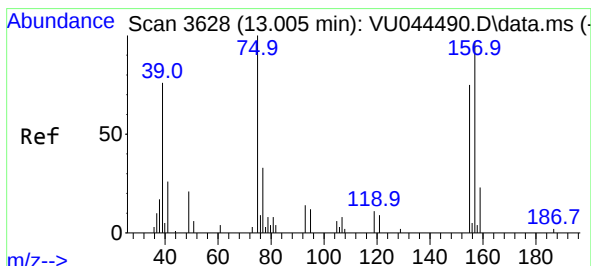
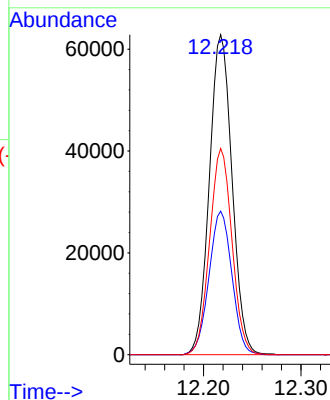
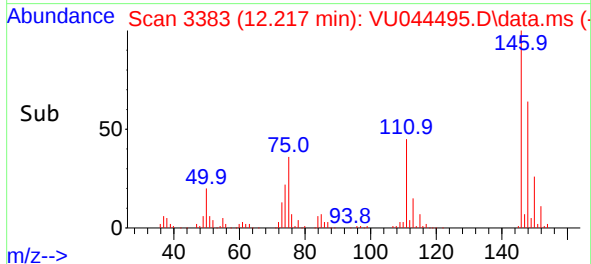




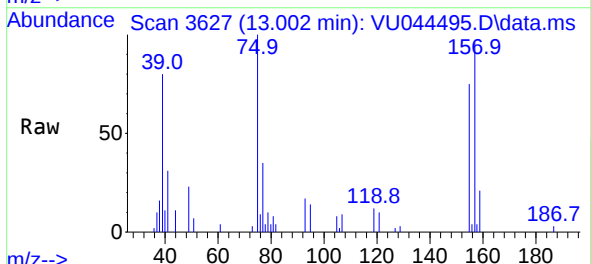
#67
1,2-Dichlorobenzene
Concen: 5.280 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



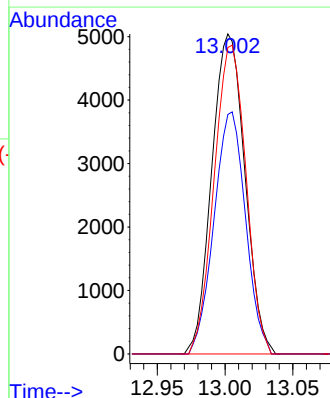
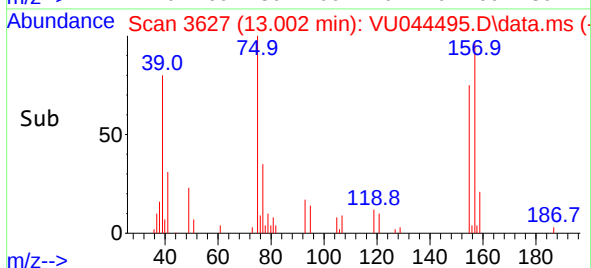
Tgt Ion:146 Resp: 101599
Ion Ratio Lower Upper
146 100
111 44.8 34.9 52.3
148 64.4 49.3 73.9



#68
1,2-Dibromo-3-chloropropane
Concen: 5.320 ug/L
RT: 13.002 min Scan# 3627
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



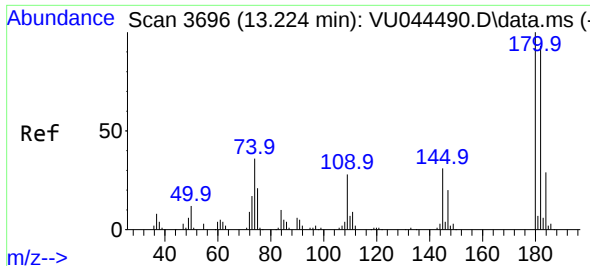
Tgt Ion: 75 Resp: 8568
Ion Ratio Lower Upper
75 100
155 74.9 61.2 91.8
157 95.7 74.2 111.2



Instrument :
MSVOA_U
ClientSampled :
H4555MS

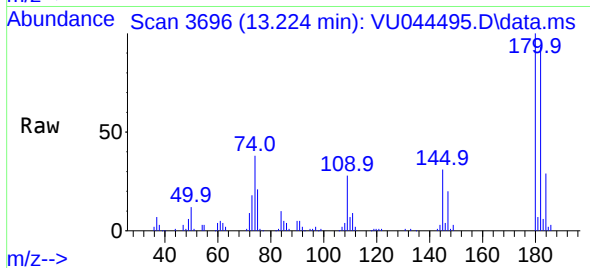
Manual Integrations
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#69
1,3,5-Trichlorobenzene
Concen: 5.036 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

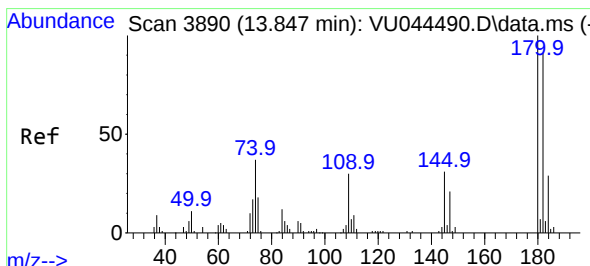
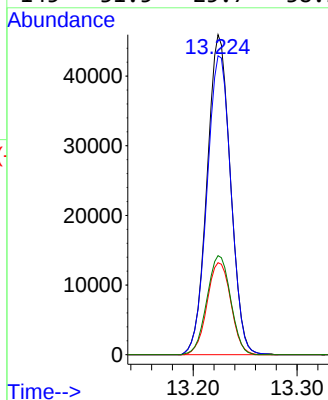
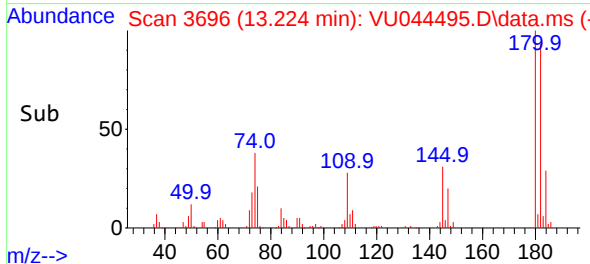
Instrument :
MSVOA_U
ClientSampled :
H4555MS



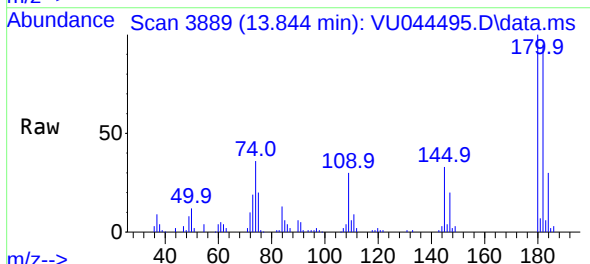
Tgt Ion:180 Resp: 71592
Ion Ratio Lower Upper
180 100
182 95.9 75.0 112.6
184 29.4 24.3 36.5
145 31.5 25.7 38.5

Manual Integrations
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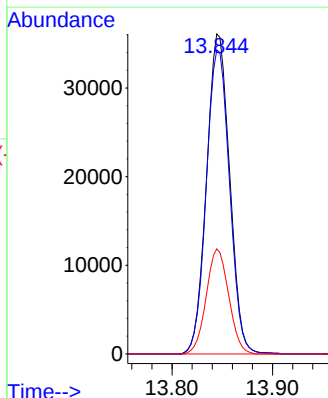
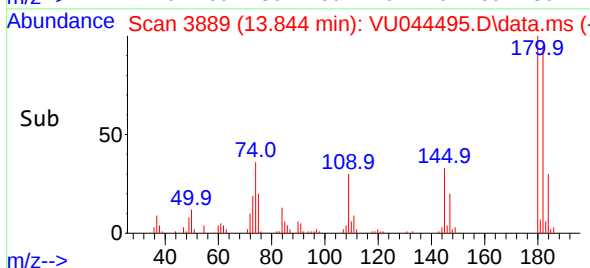
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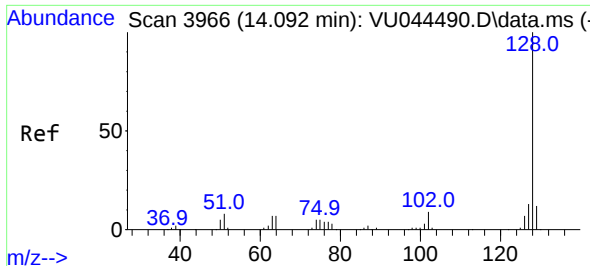


#70
1,2,4-trichlorobenzene
Concen: 5.178 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. -0.003 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



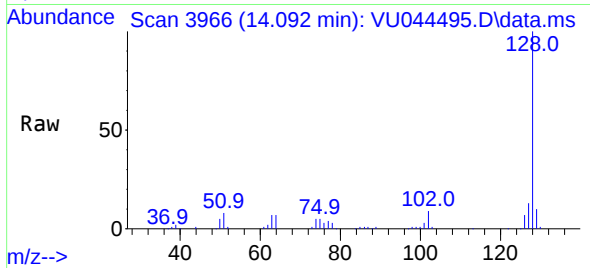
Tgt Ion:180 Resp: 57692
Ion Ratio Lower Upper
180 100
182 95.5 76.0 114.0
145 31.8 26.3 39.5





#71
Naphthalene
Concen: 5.277 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15

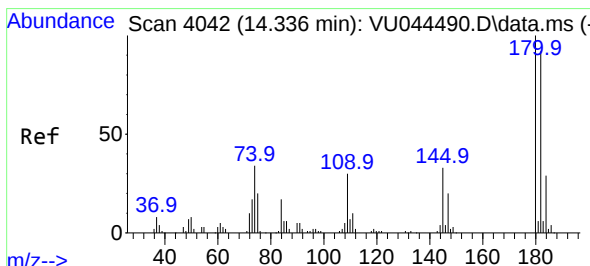
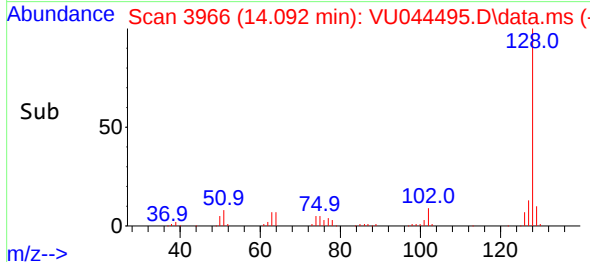
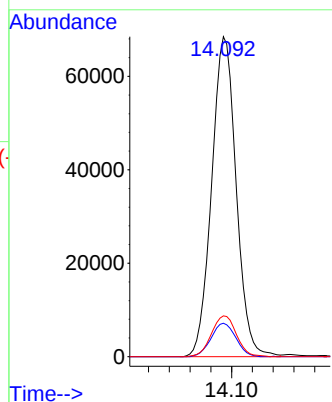
Instrument :
MSVOA_U
ClientSampleId :
H4555MS



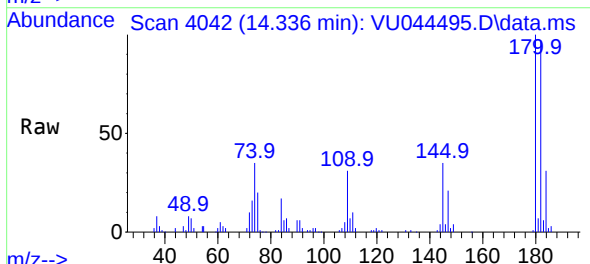
Tgt Ion:128 Resp: 112103
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 13.1 10.4 15.6

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 5.312 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU044495.D
Acq: 23 Aug 2021 12:15



Tgt Ion:180 Resp: 54194
Ion Ratio Lower Upper
180 100
182 94.5 76.4 114.6
145 34.2 27.1 40.7

