

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
 Data File : VU053279.D
 Acq On : 17 Mar 2023 19:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050165

Quant Time: Mar 18 01:55:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 18 01:49:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	147916	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	141316	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	68503	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	61523	45.085	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.160%
7) Chloroethane-d5	1.909	69	50845	46.063	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.120%
11) 1,1-Dichloroethene-d2	2.565	63	103464	43.768	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.540%
21) 2-Butanone-d5	4.613	46	71811	113.461	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.460%
24) Chloroform-d	5.057	84	108279	48.176	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.360%
26) 1,2-Dichloroethane-d4	5.694	65	72285	51.786	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.580%
32) Benzene-d6	5.723	84	225512	49.199	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.400%
36) 1,2-Dichloropropane-d6	6.684	67	76251	51.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.080%
41) Toluene-d8	7.893	98	203008	47.571	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.140%
43) trans-1,3-Dichloroprop...	8.173	79	35492	48.627	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.260%
47) 2-Hexanone-d5	8.626	63	56358	121.856	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.860%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	104209	54.378	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.760%
66) 1,2-Dichlorobenzene-d4	12.189	152	69972	52.753	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	64069	41.497	ug/L	99
3) Chloromethane	1.520	50	62154	43.688	ug/L	98
5) Vinyl chloride	1.604	62	71096	45.683	ug/L	99
6) Bromomethane	1.851	94	34286	36.650	ug/L	97
8) Chloroethane	1.932	64	41076	44.683	ug/L	97
9) Trichlorofluoromethane	2.134	101	83132	42.813	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	48225	41.056	ug/L	96
12) 1,1-Dichloroethene	2.578	96	44405	40.878	ug/L	95
13) Acetone	2.617	43	50063	69.451	ug/L	95
14) Carbon disulfide	2.790	76	128287	38.991	ug/L	97
15) Methyl Acetate	2.941	43	50636	51.250	ug/L	98
16) Methylene chloride	3.041	84	56499	42.873	ug/L	97
17) trans-1,2-Dichloroethene	3.347	96	46178	41.897	ug/L	90
18) Methyl tert-butyl Ether	3.356	73	173000	46.678	ug/L	99
19) 1,1-Dichloroethane	3.861	63	102534	45.573	ug/L	96
20) cis-1,2-Dichloroethene	4.662	96	57836	44.676	ug/L	98
22) 2-Butanone	4.691	43	74265	90.432	ug/L	99
23) Bromochloromethane	4.967	128	26202	42.448	ug/L #	84
25) Chloroform	5.083	83	101373	45.027	ug/L	99

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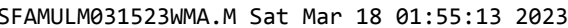
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 ClientSampleId :
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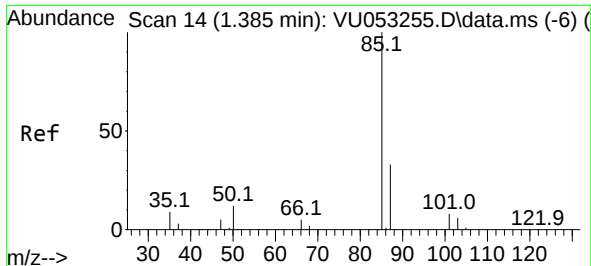
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 18 01:49:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	84548	47.573	ug/L	97
29) Cyclohexane	5.382	56	92163	43.769	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	85300	44.284	ug/L	98
31) Carbon tetrachloride	5.520	117	66960	42.431	ug/L	98
33) Benzene	5.768	78	232578	47.472	ug/L	100
34) Trichloroethene	6.536	95	55919	43.774	ug/L	99
35) Methylcyclohexane	6.758	83	95487	42.643	ug/L	99
37) 1,2-Dichloropropane	6.784	63	65377	47.829	ug/L	100
38) Bromodichloromethane	7.099	83	78805	46.327	ug/L	95
39) cis-1,3-Dichloropropene	7.600	75	101076	45.008	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	149693	106.547	ug/L	99
42) Toluene	7.964	91	239621	45.494	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	97510	47.501	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	58029	46.623	ug/L	98
46) Tetrachloroethene	8.549	164	35868	43.157	ug/L	100
48) 2-Hexanone	8.678	43	117273	99.680	ug/L	99
49) Dibromochloromethane	8.806	129	53910	42.342	ug/L	96
50) 1,2-Dibromoethane	8.919	107	61592	46.442	ug/L	100
51) Chlorobenzene	9.443	112	148828	45.336	ug/L	100
52) Ethylbenzene	9.565	91	271784	45.502	ug/L	100
53) m,p-Xylene	9.690	106	101045	45.325	ug/L	96
54) o-Xylene	10.095	106	99659	45.198	ug/L	98
55) Styrene	10.108	104	169035	45.998	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	104609	51.264	ug/L	97
59) Bromoform	10.285	173	35985	46.160	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	76667	56.322	ug/L	98
61) Isopropylbenzene	10.478	105	267939	49.504	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	218169	48.696	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	211073	48.333	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	107077	47.171	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	106438	46.708	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	107935	47.574	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	21589	57.354	ug/L	88
69) 1,3,5-Trichlorobenzene	13.214	180	64935	45.120	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	59830	46.267	ug/L	99
71) Naphthalene	14.082	128	233188	53.501	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	60314	49.183	ug/L	100

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

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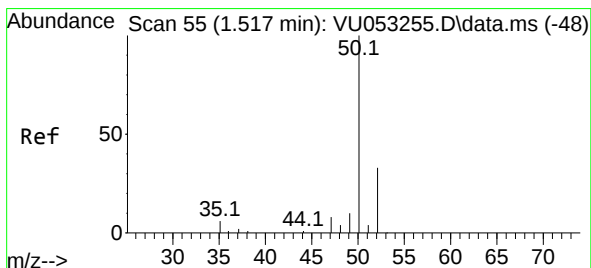
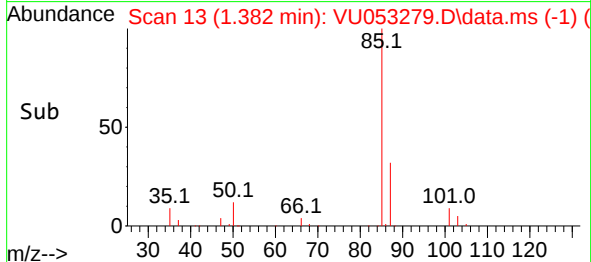
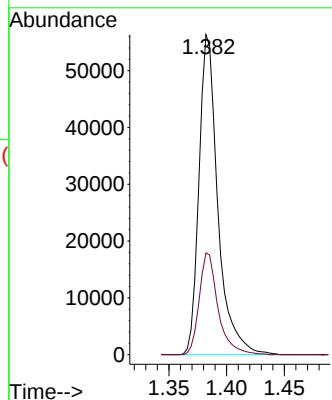
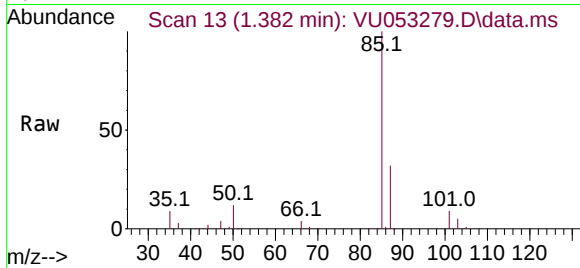




#2
Dichlorodifluoromethane
Concen: 41.497 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

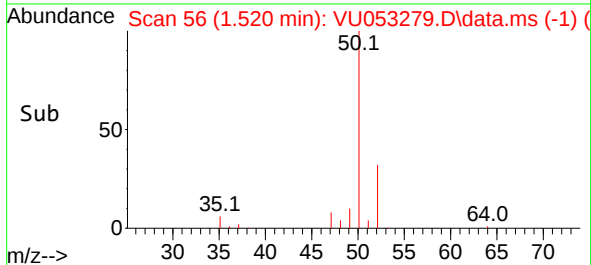
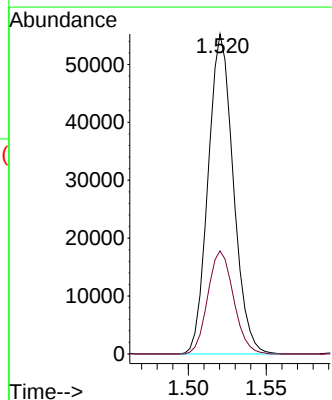
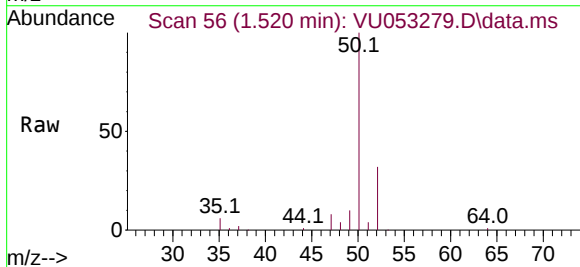
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

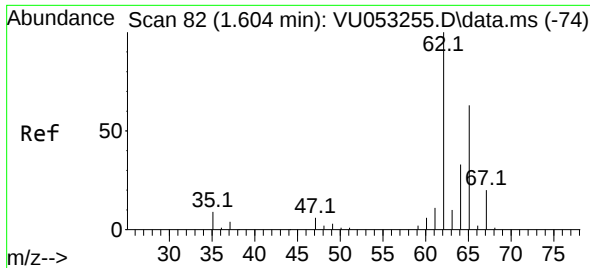
Tgt Ion: 85 Resp: 64069
Ion Ratio Lower Upper
85 100
87 31.7 25.8 38.8



#3
Chloromethane
Concen: 43.688 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 50 Resp: 62154
Ion Ratio Lower Upper
50 100
52 32.2 23.4 43.4

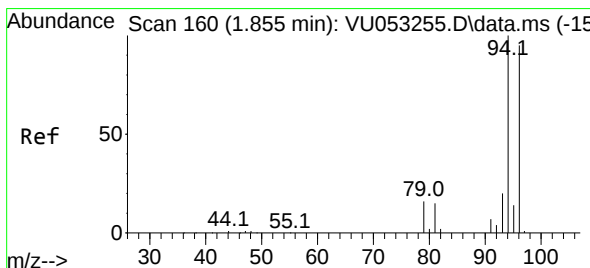
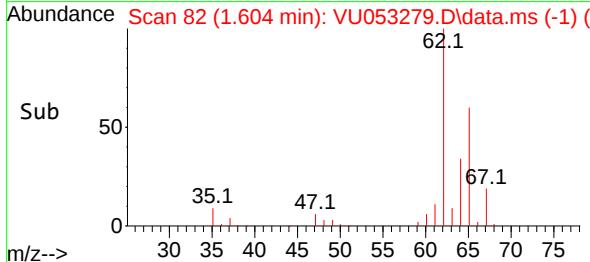
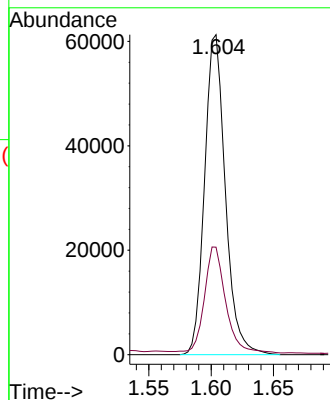
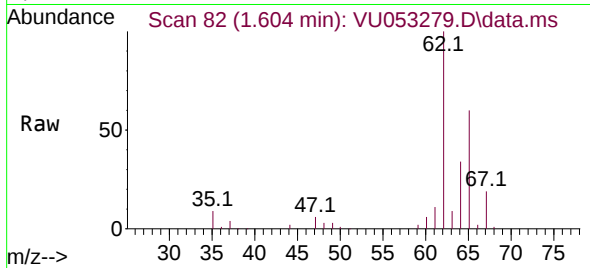




#5
 Vinyl chloride
 Concen: 45.683 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053279.D
 Acq: 17 Mar 2023 19:59

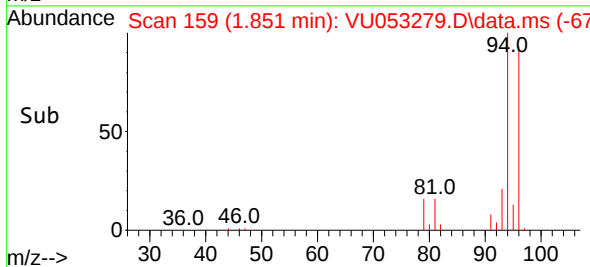
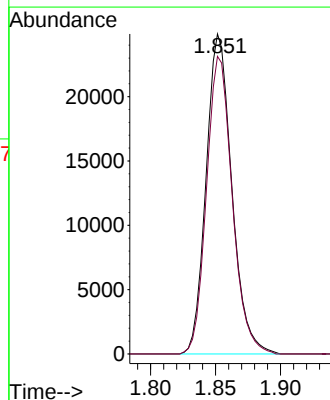
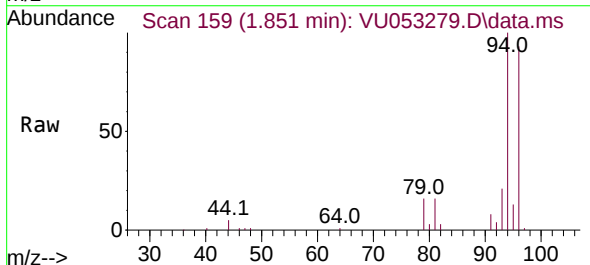
Instrument :
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 ClientSampleId :
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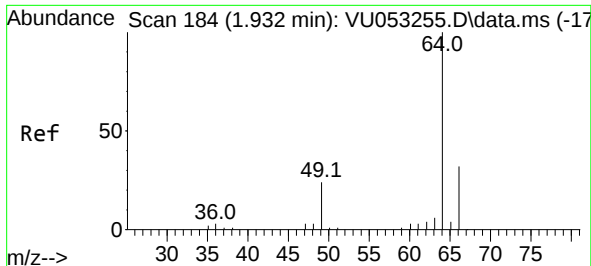
Tgt Ion: 62 Resp: 71096
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.2 43.0



#6
 Bromomethane
 Concen: 36.650 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VU053279.D
 Acq: 17 Mar 2023 19:59

Tgt Ion: 94 Resp: 34286
 Ion Ratio Lower Upper
 94 100
 96 93.0 67.5 125.3

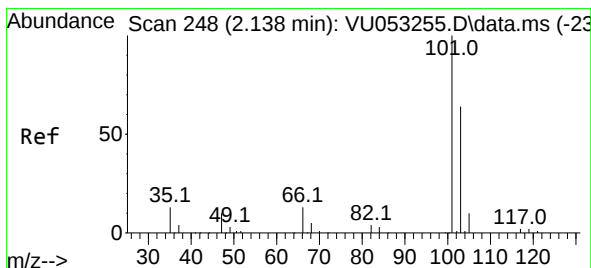
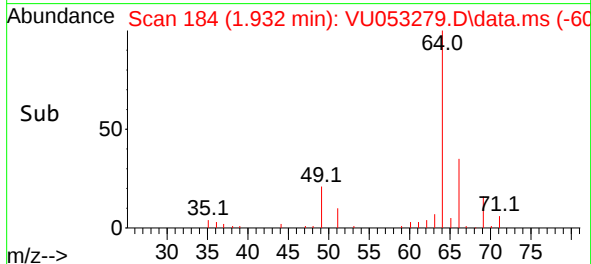
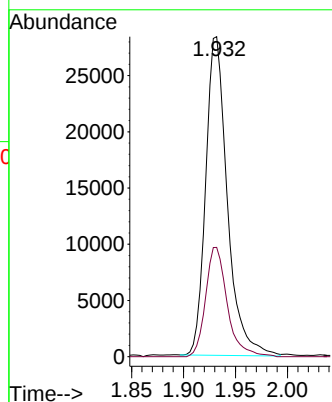
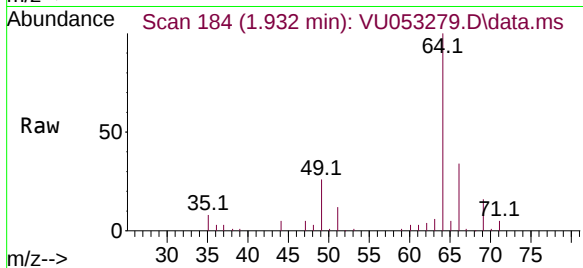




#8
Chloroethane
Concen: 44.683 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

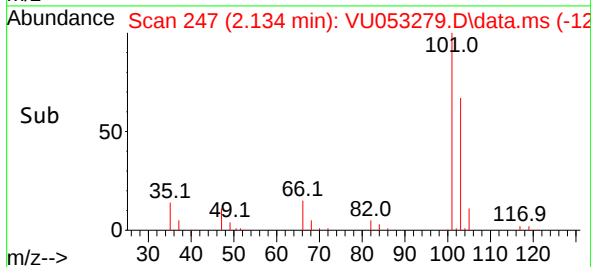
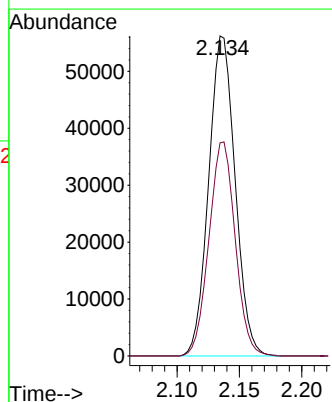
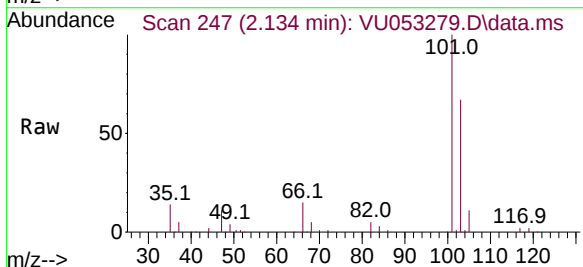
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ClientSampleId :
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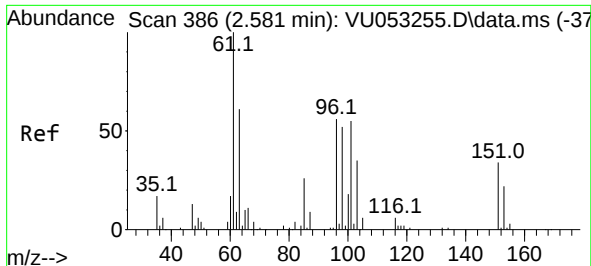
Tgt Ion: 64 Resp: 41076
Ion Ratio Lower Upper
64 100
66 34.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 42.813 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion:101 Resp: 83132
Ion Ratio Lower Upper
101 100
103 66.4 52.0 78.0

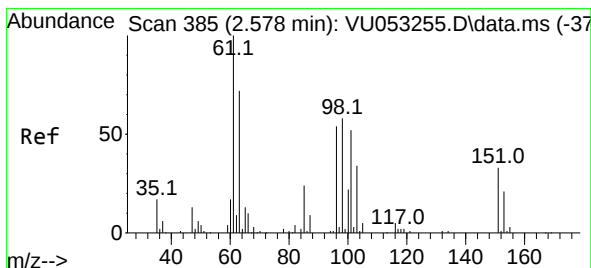
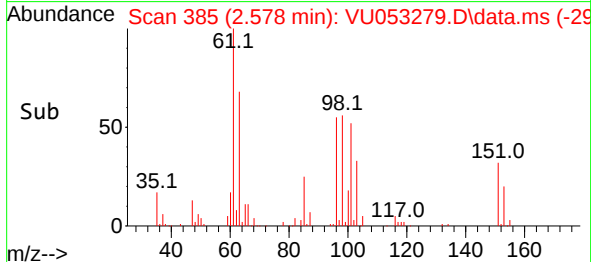
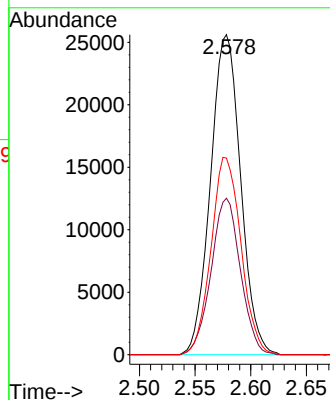
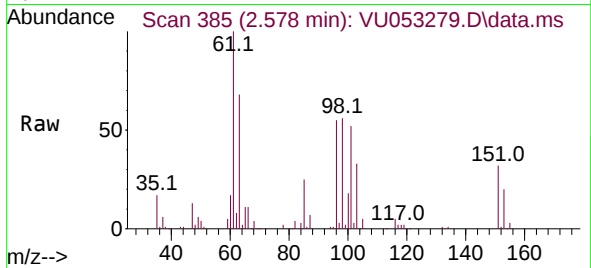




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 41.056 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

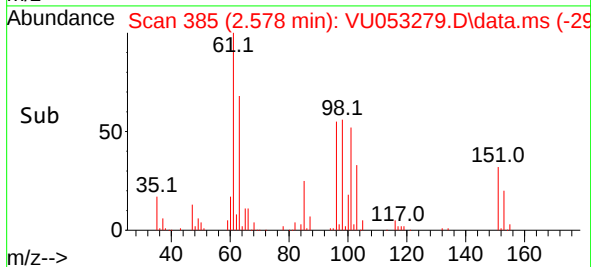
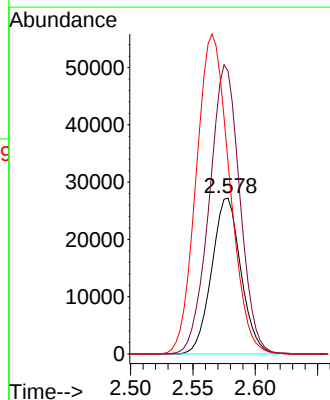
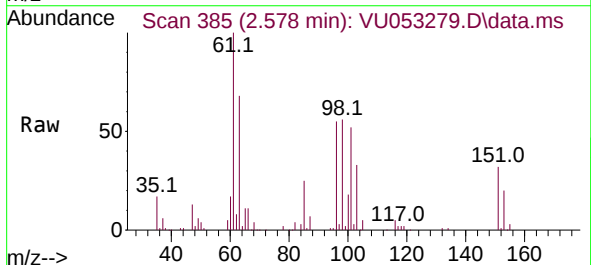
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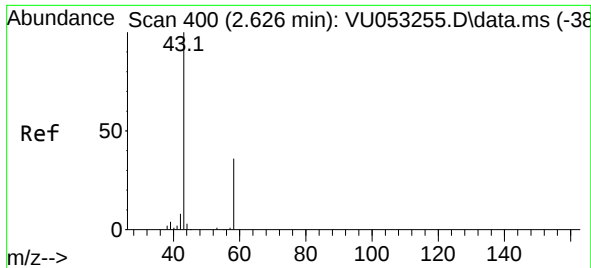
Tgt Ion:101 Resp: 48225
Ion Ratio Lower Upper
101 100
85 47.6 37.0 55.6
151 61.3 52.9 79.3



#12
1,1-Dichloroethene
Concen: 40.878 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 96 Resp: 44405
Ion Ratio Lower Upper
96 100
61 181.5 122.2 226.9
63 122.8 89.9 166.9





#13

Acetone

Concen: 69.451 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.010 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_U

ClientSampleId :

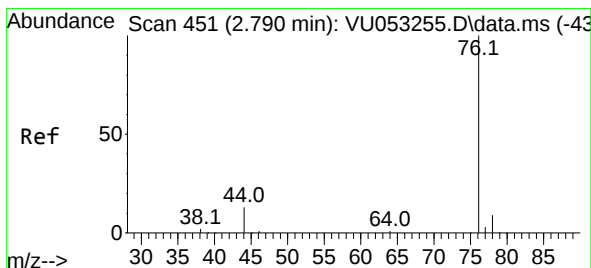
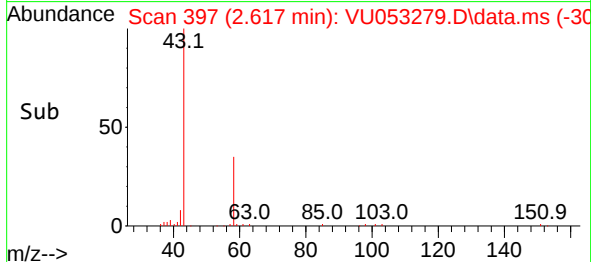
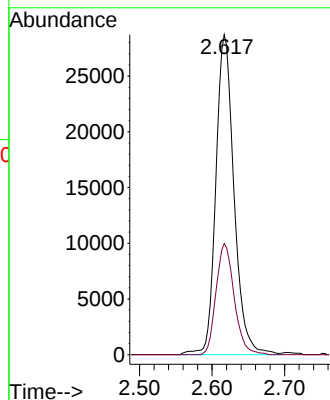
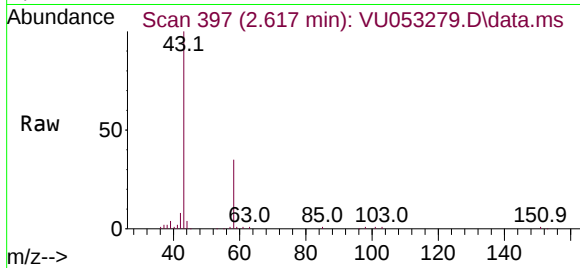
VSTD050165

Tgt Ion: 43 Resp: 50063

Ion Ratio Lower Upper

43 100

58 34.6 0.0 75.0



#14

Carbon disulfide

Concen: 38.991 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053279.D

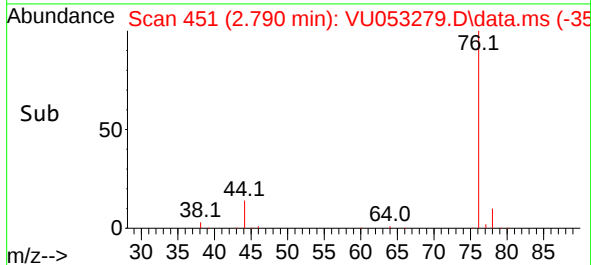
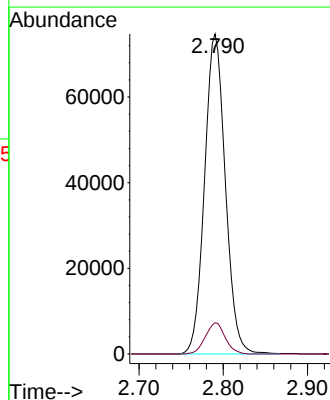
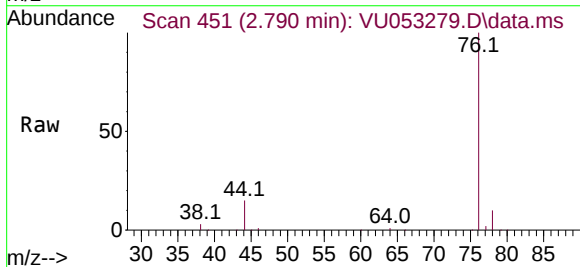
Acq: 17 Mar 2023 19:59

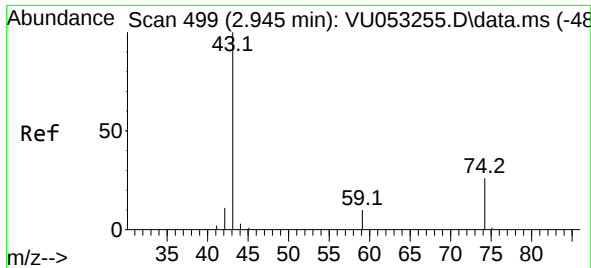
Tgt Ion: 76 Resp: 128287

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.6

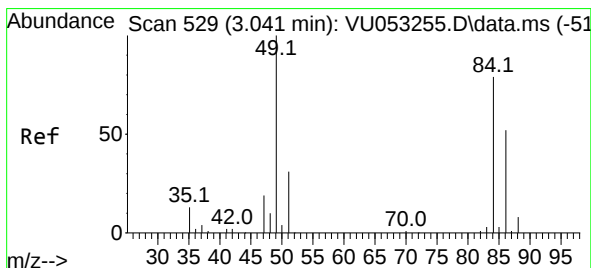
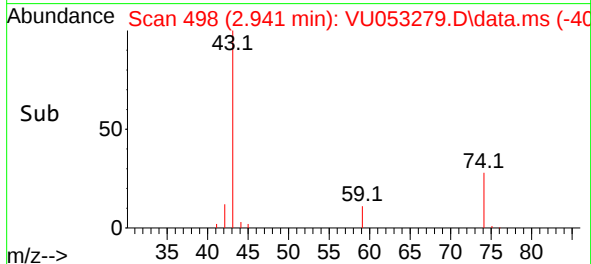
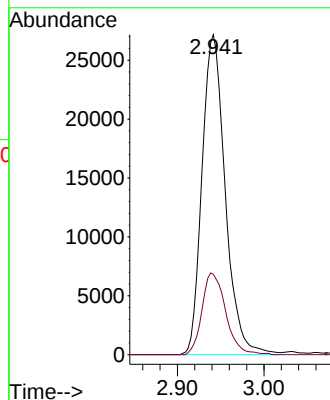
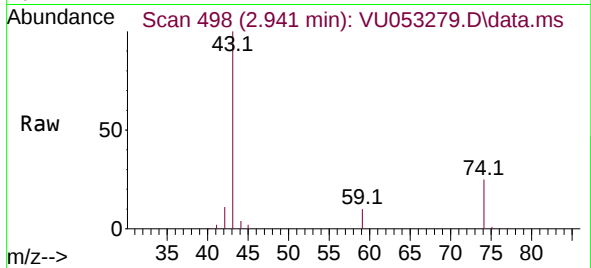




#15
Methyl Acetate
Concen: 51.250 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

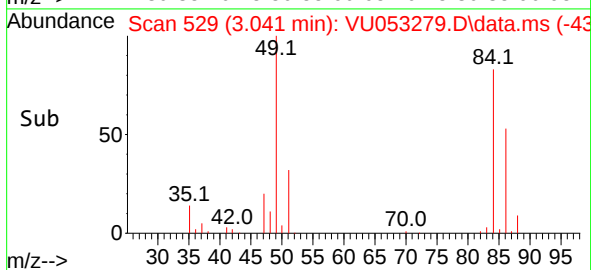
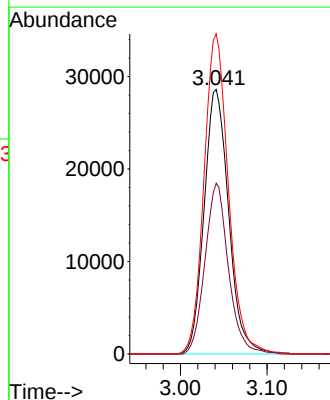
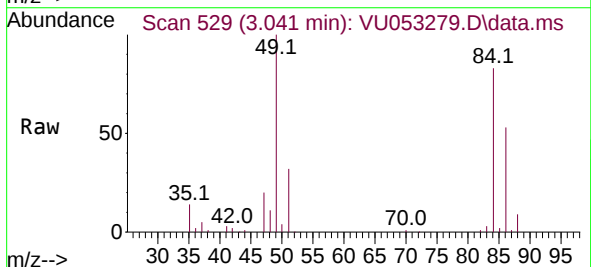
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

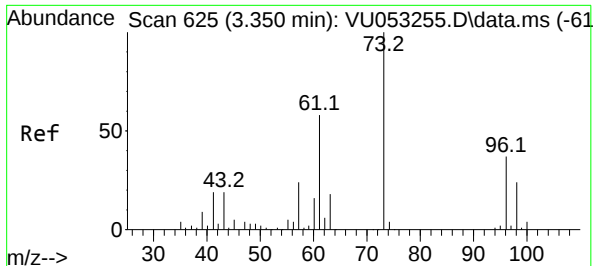
Tgt Ion: 43 Resp: 50636
Ion Ratio Lower Upper
43 100
74 25.9 21.4 32.0



#16
Methylene chloride
Concen: 42.873 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 84 Resp: 56499
Ion Ratio Lower Upper
84 100
86 64.5 44.4 82.4
49 121.0 81.6 151.6

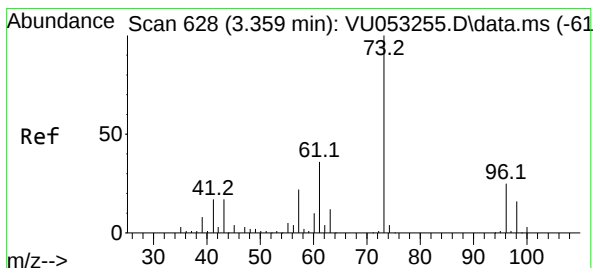
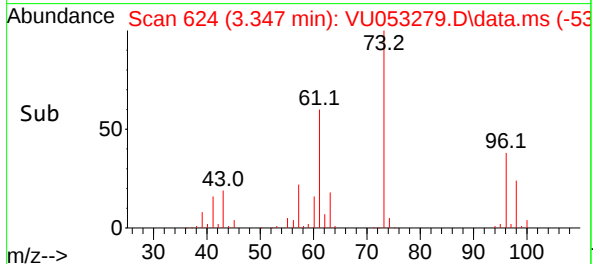
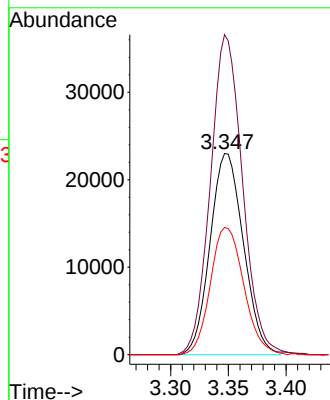
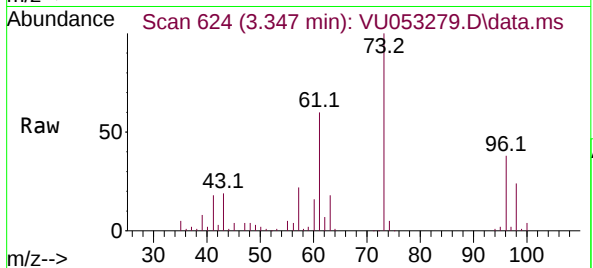




#17
trans-1,2-Dichloroethene
Concen: 41.897 ug/L
RT: 3.347 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

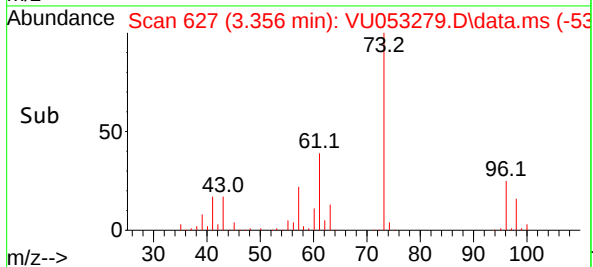
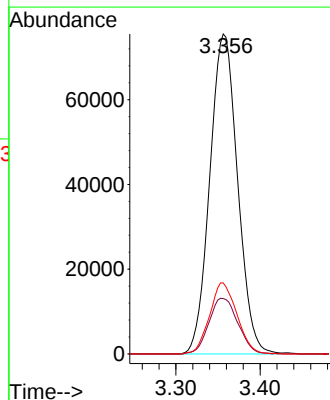
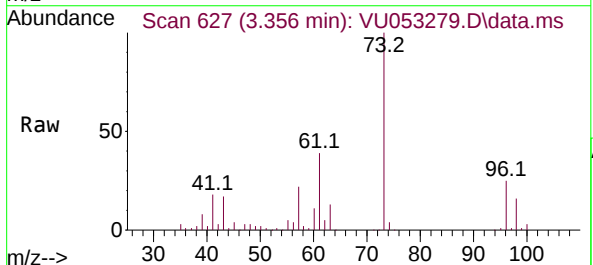
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

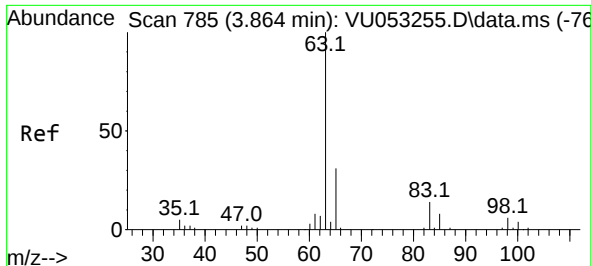
Tgt Ion: 96 Resp: 46178
Ion Ratio Lower Upper
96 100
61 159.1 99.6 185.0
98 63.2 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 46.678 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 73 Resp: 173000
Ion Ratio Lower Upper
73 100
43 18.1 14.2 21.2
57 21.8 18.0 27.0

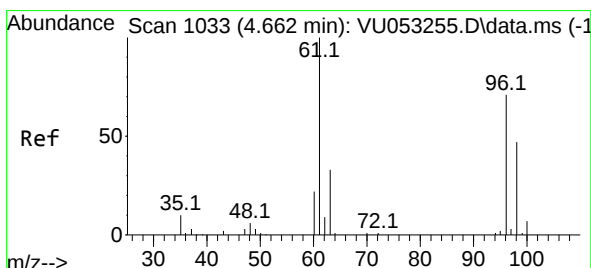
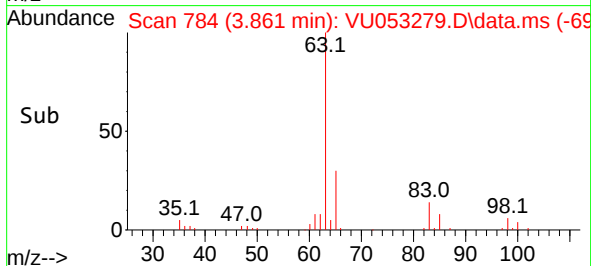
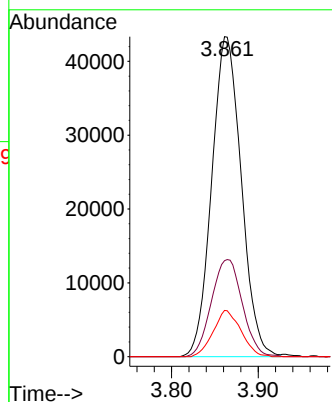
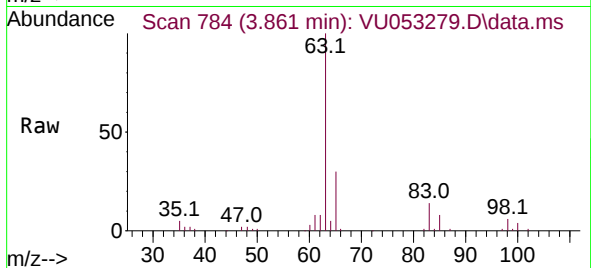




#19
1,1-Dichloroethane
Concen: 45.573 ug/L
RT: 3.861 min Scan# 785
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

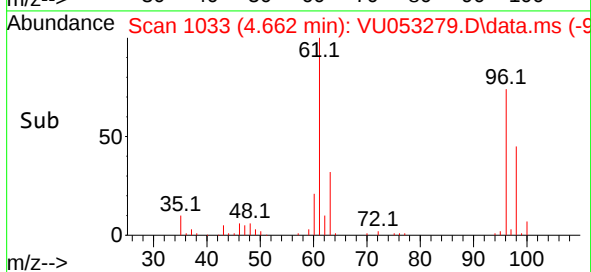
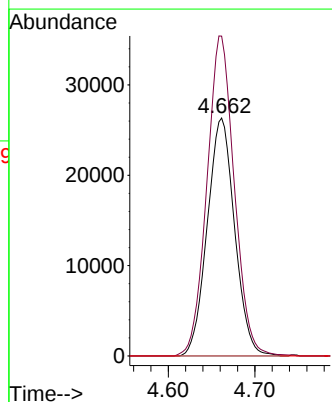
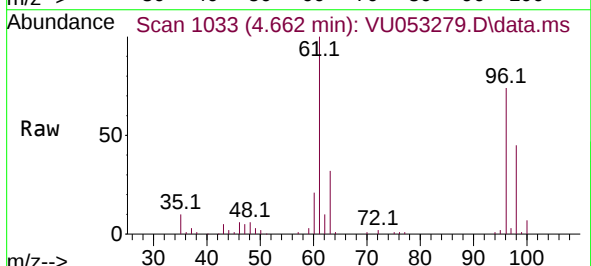
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

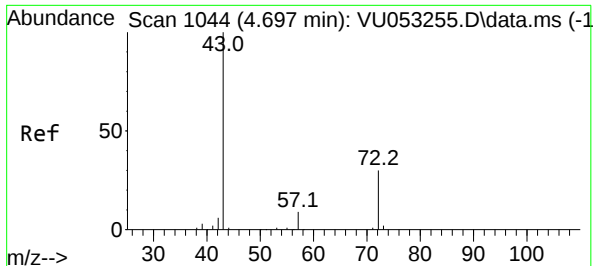
Tgt Ion: 63 Resp: 102534
Ion Ratio Lower Upper
63 100
65 30.0 22.8 42.4
83 14.4 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 44.676 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 96 Resp: 57836
Ion Ratio Lower Upper
96 100
61 134.4 92.5 171.7
68 0.0 0.0 0.0

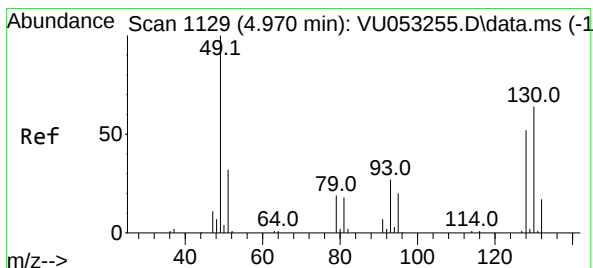
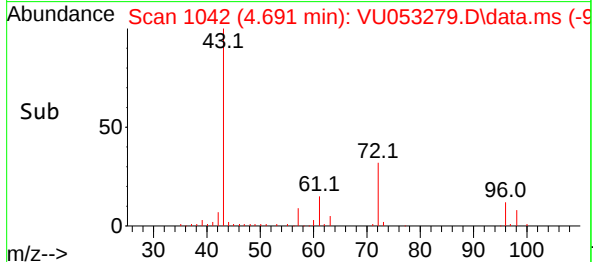
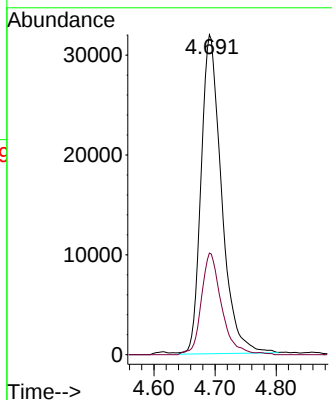
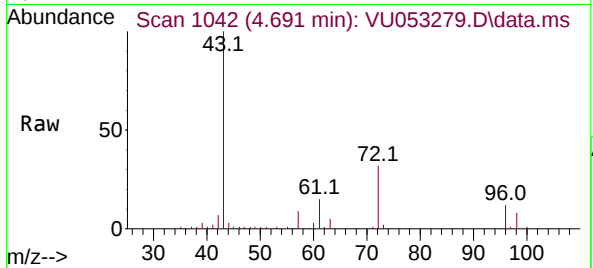




#22
2-Butanone
Concen: 90.432 ug/L
RT: 4.691 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

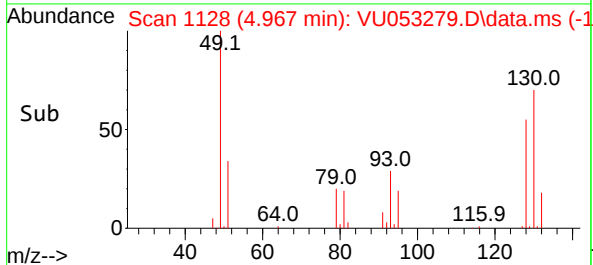
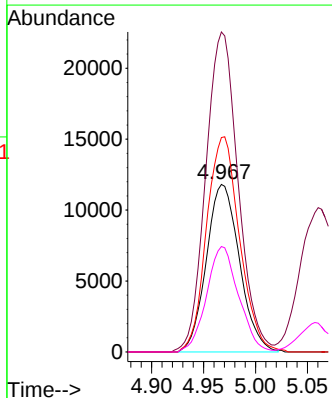
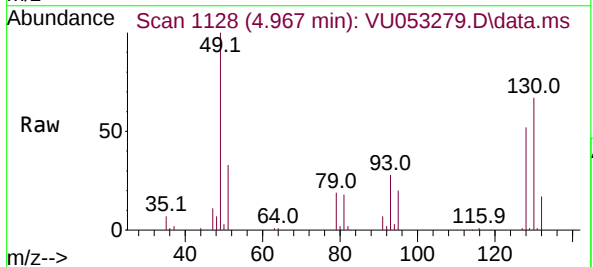
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

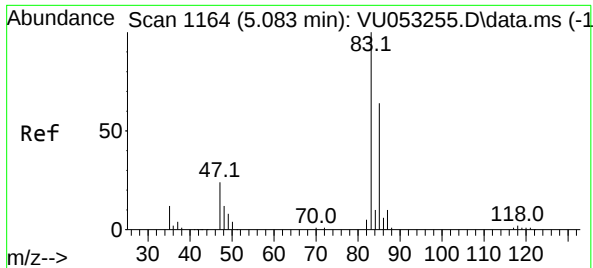
Tgt Ion: 43 Resp: 74265
Ion Ratio Lower Upper
43 100
72 31.2 16.0 47.9



#23
Bromochloromethane
Concen: 42.448 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion:128 Resp: 26202
Ion Ratio Lower Upper
128 100
49 191.0 109.9 204.1
130 128.0 87.2 161.9
51 62.9 41.1 61.7#

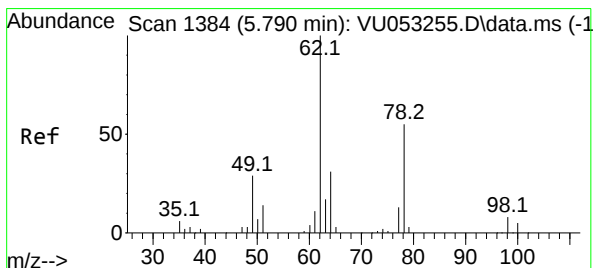
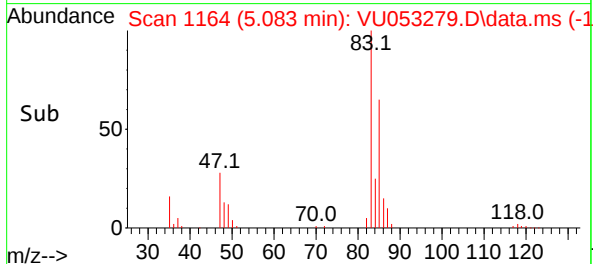
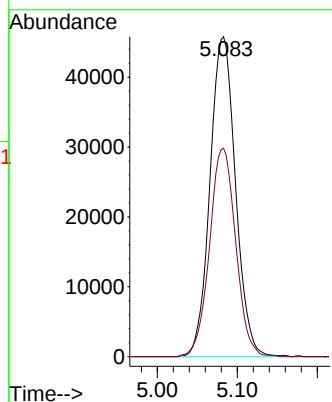
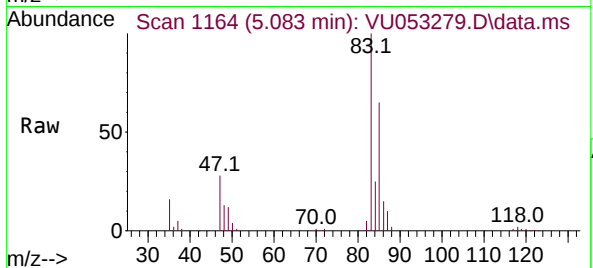




#25
Chloroform
Concen: 45.027 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

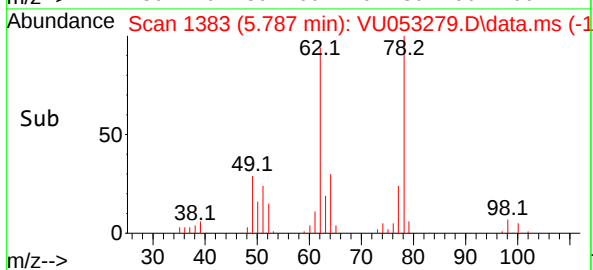
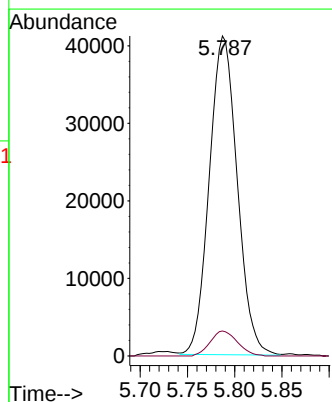
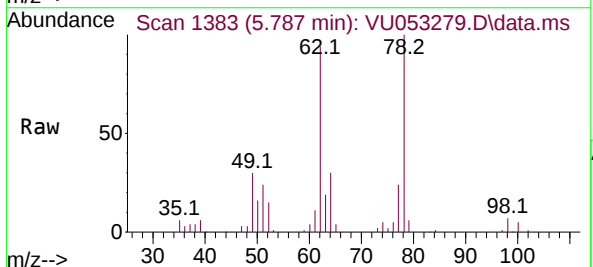
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

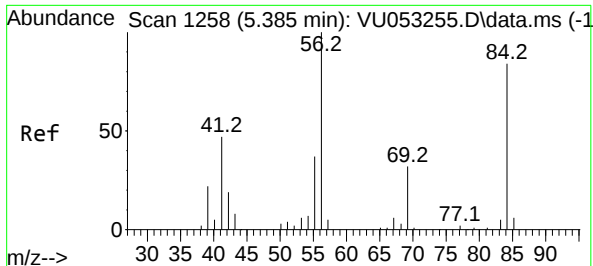
Tgt Ion: 83 Resp: 101373
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.3



#27
1,2-Dichloroethane
Concen: 47.573 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 62 Resp: 84548
Ion Ratio Lower Upper
62 100
98 7.8 7.0 10.6





#29

Cyclohexane

Concen: 43.769 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD050165

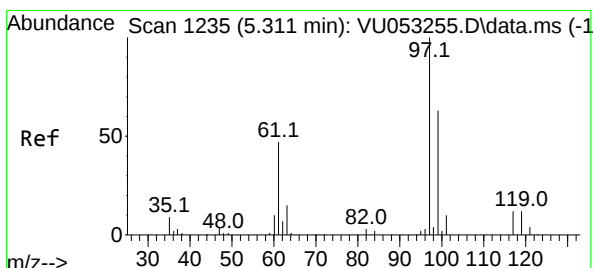
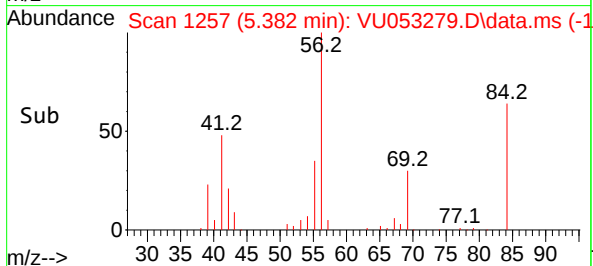
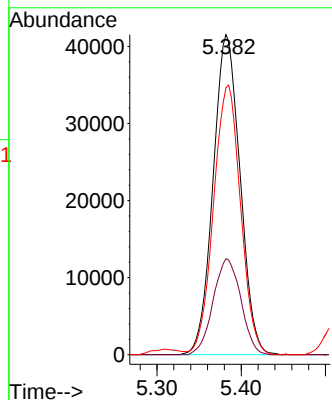
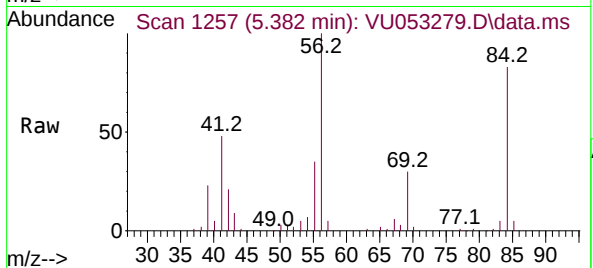
Tgt Ion: 56 Resp: 92163

Ion Ratio Lower Upper

56 100

69 30.7 25.4 38.0

84 84.5 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 44.284 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

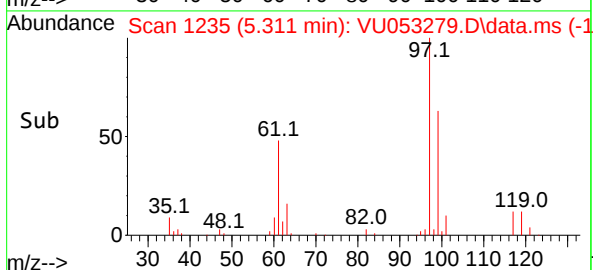
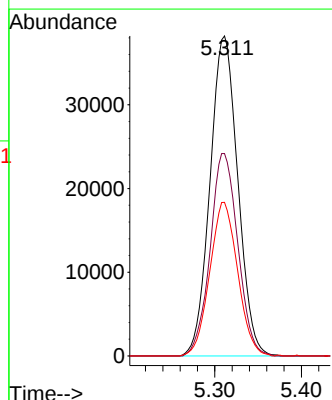
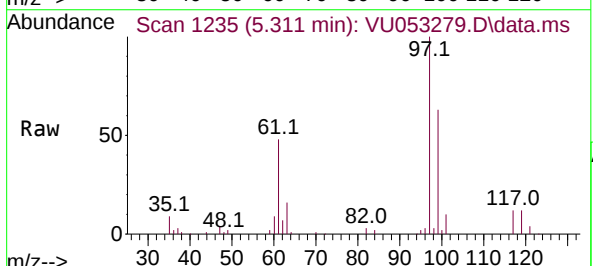
Tgt Ion: 97 Resp: 85300

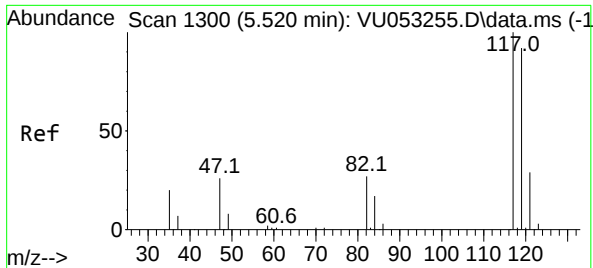
Ion Ratio Lower Upper

97 100

99 63.0 50.6 76.0

61 48.2 36.0 54.0

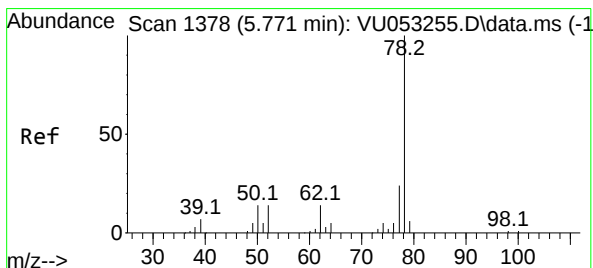
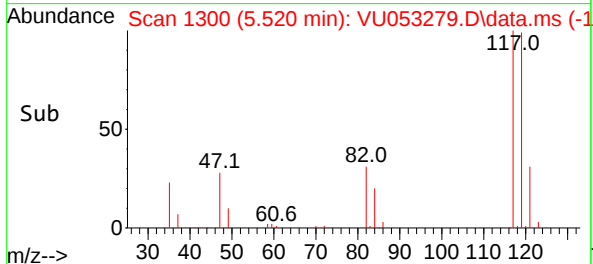
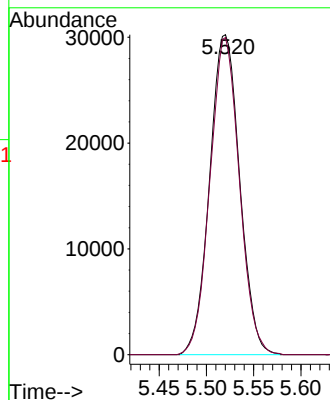
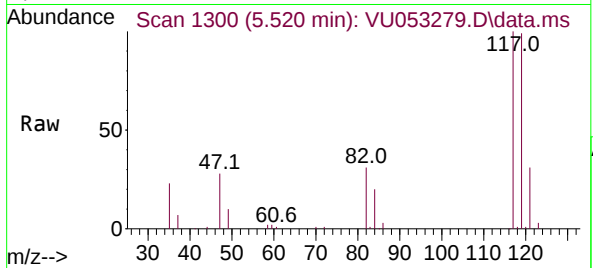




#31
Carbon tetrachloride
Concen: 42.431 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

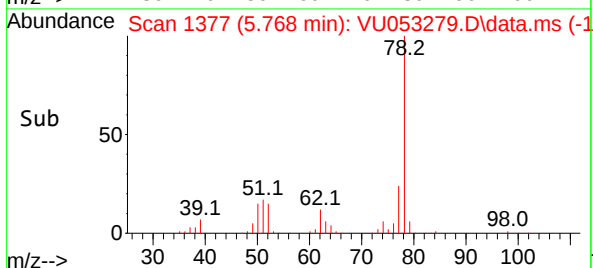
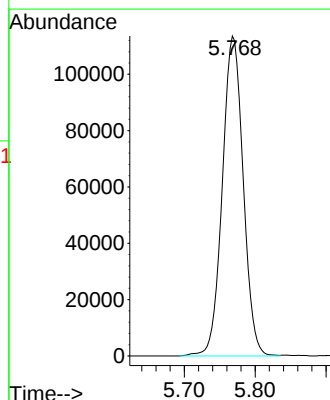
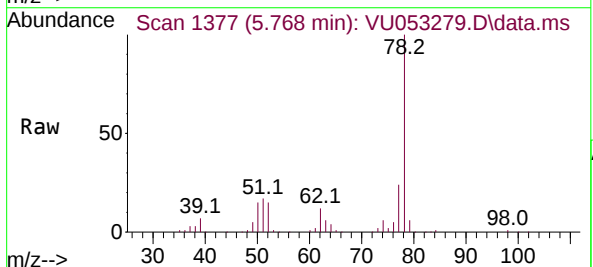
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

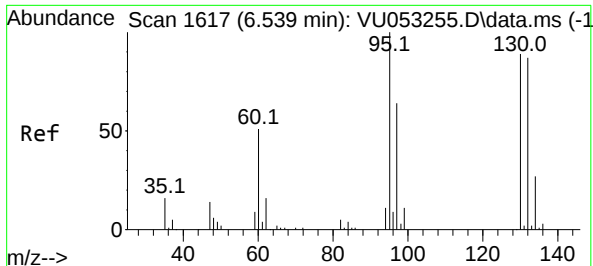
Tgt Ion:117 Resp: 66960
Ion Ratio Lower Upper
117 100
119 96.7 76.2 114.2



#33
Benzene
Concen: 47.472 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 78 Resp: 232578

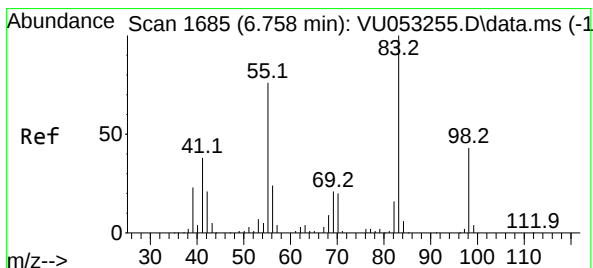
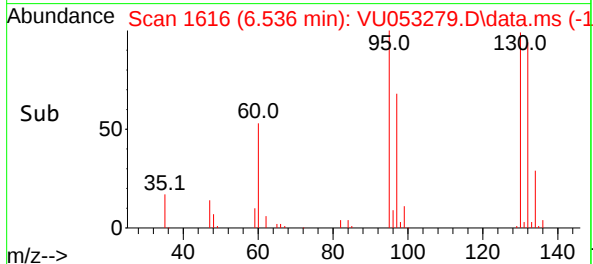
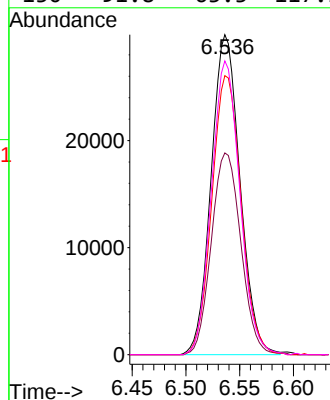
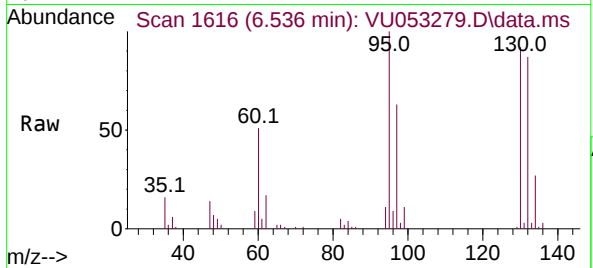




#34
Trichloroethene
Concen: 43.774 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

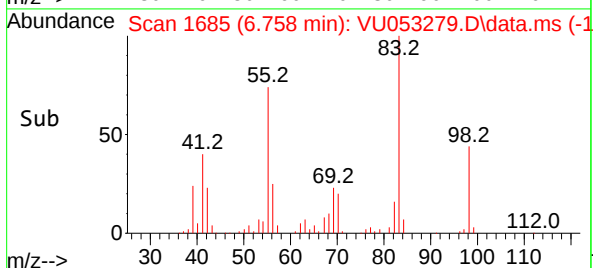
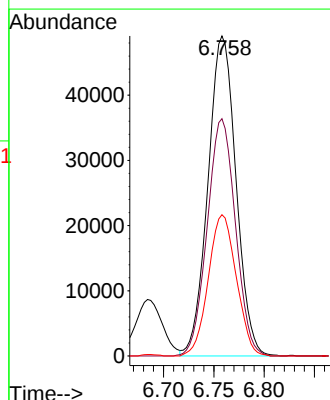
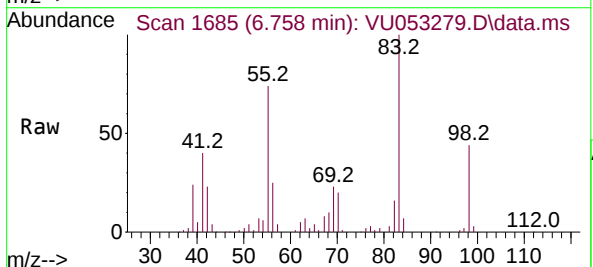
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

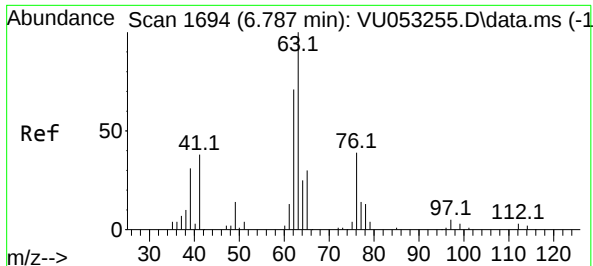
Tgt Ion: 95 Resp: 55919
Ion Ratio Lower Upper
95 100
97 63.0 43.8 81.3
132 87.2 61.5 114.3
130 91.8 63.3 117.5



#35
Methylcyclohexane
Concen: 42.643 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 83 Resp: 95487
Ion Ratio Lower Upper
83 100
55 74.4 58.2 87.4
98 44.0 35.4 53.2

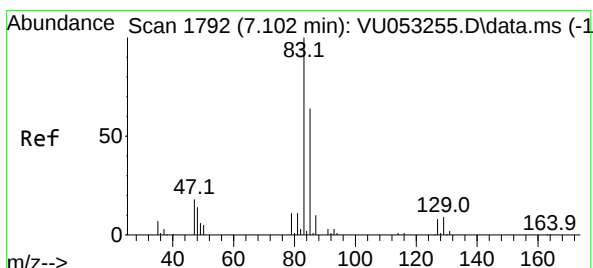
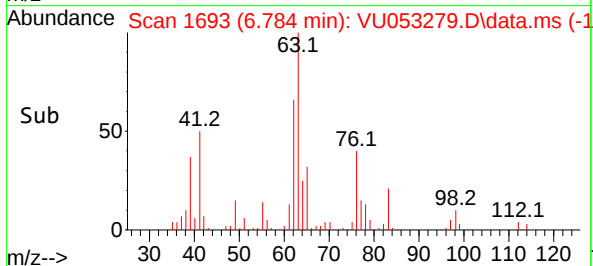
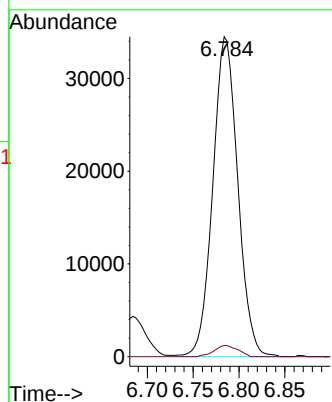
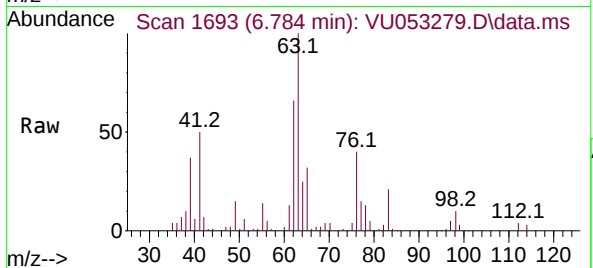




#37
1,2-Dichloropropane
Concen: 47.829 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

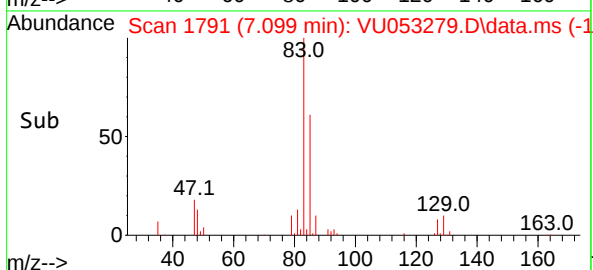
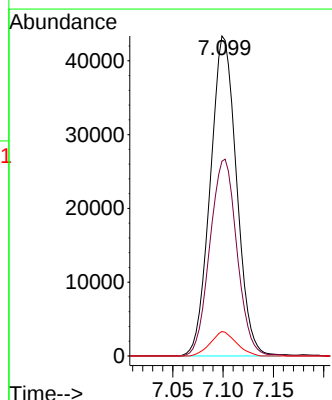
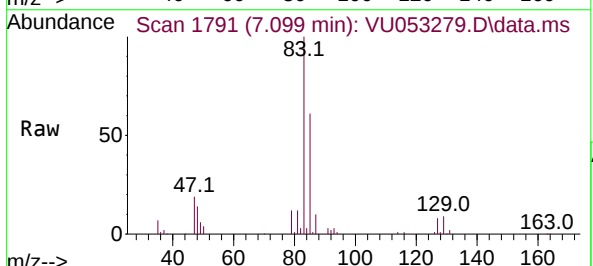
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

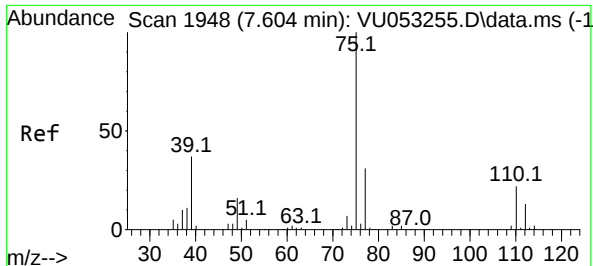
Tgt Ion: 63 Resp: 65377
Ion Ratio Lower Upper
63 100
112 3.3 2.6 3.8



#38
Bromodichloromethane
Concen: 46.327 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 83 Resp: 78805
Ion Ratio Lower Upper
83 100
85 60.8 45.4 84.2
127 7.7 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 45.008 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_U

ClientSampleId :

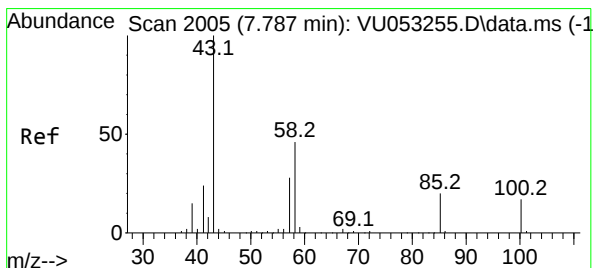
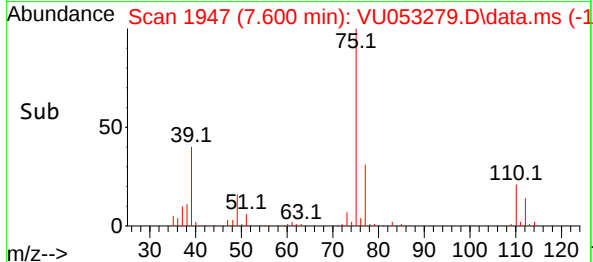
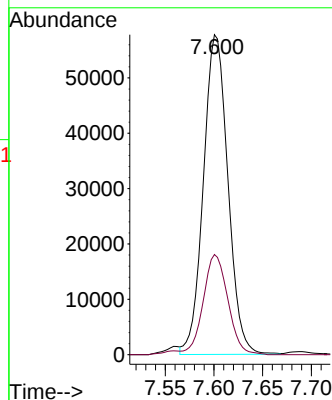
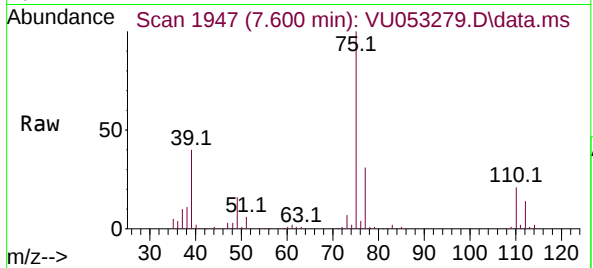
VSTD050165

Tgt Ion: 75 Resp: 101076

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 106.547 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

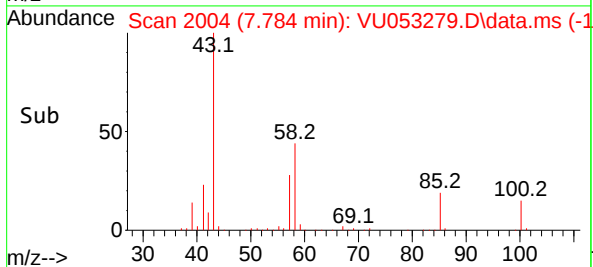
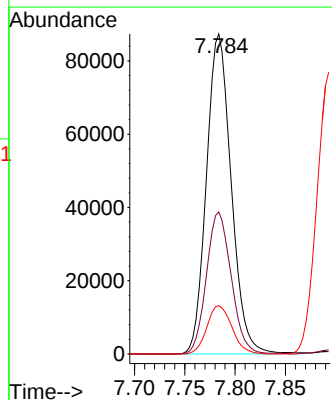
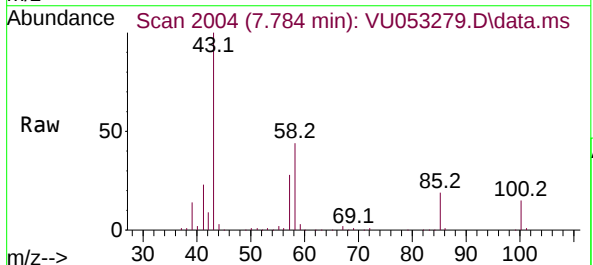
Tgt Ion: 43 Resp: 149693

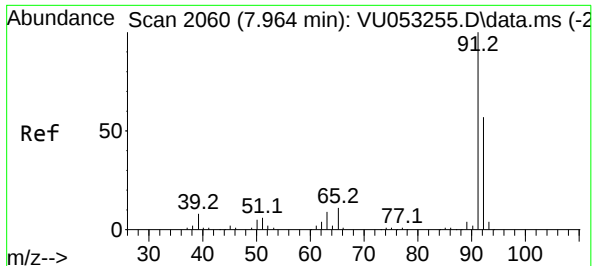
Ion Ratio Lower Upper

43 100

58 44.2 35.8 53.6

100 15.2 13.0 19.6





#42

Toluene

Concen: 45.494 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_U

ClientSampleId :

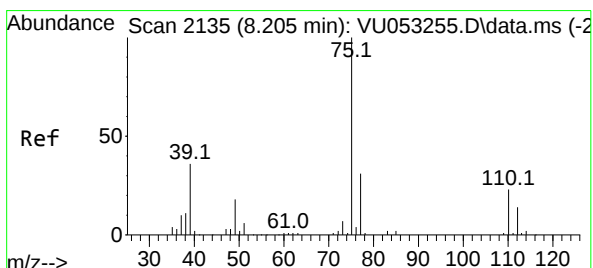
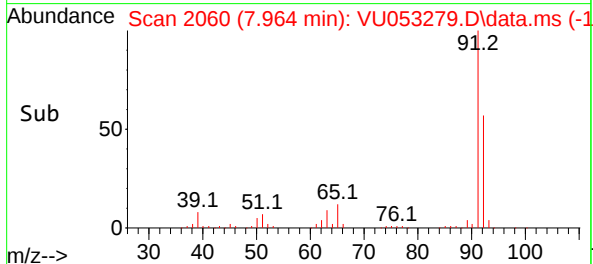
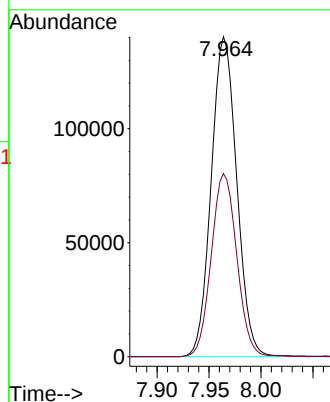
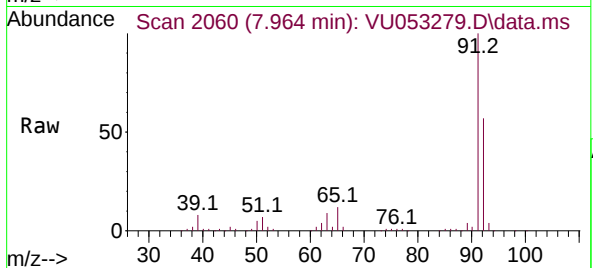
VSTD050165

Tgt Ion: 91 Resp: 239621

Ion Ratio Lower Upper

91 100

92 57.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 47.501 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053279.D

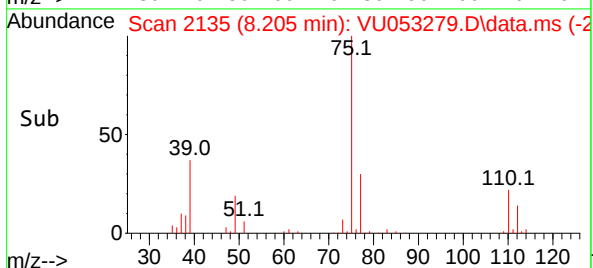
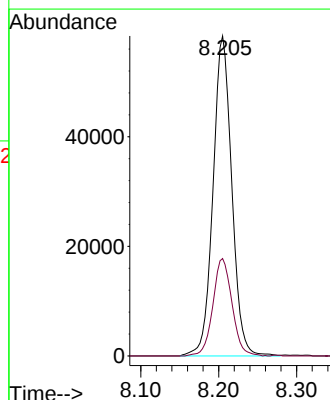
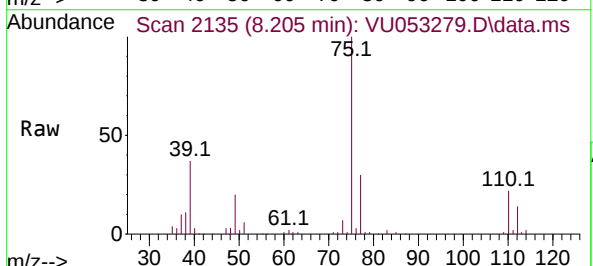
Acq: 17 Mar 2023 19:59

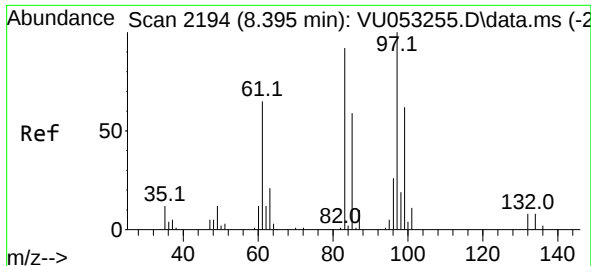
Tgt Ion: 75 Resp: 97510

Ion Ratio Lower Upper

75 100

77 30.5 22.0 40.8

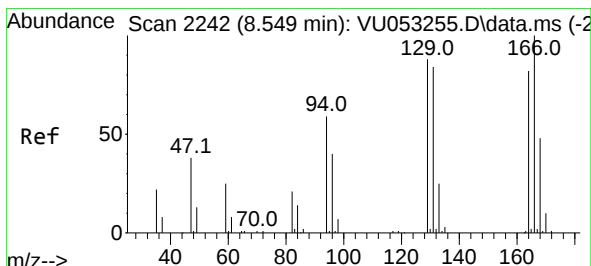
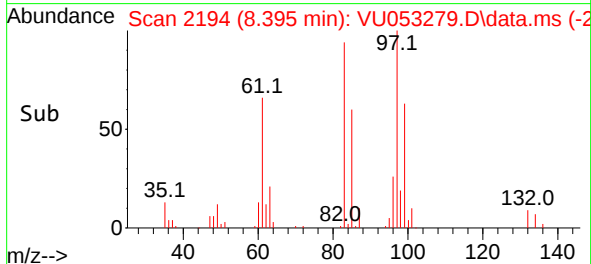
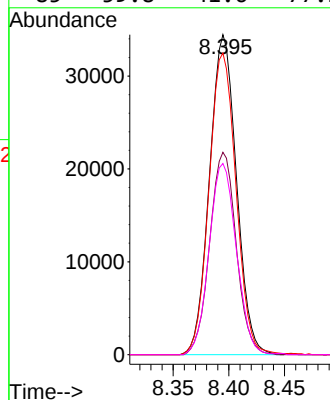
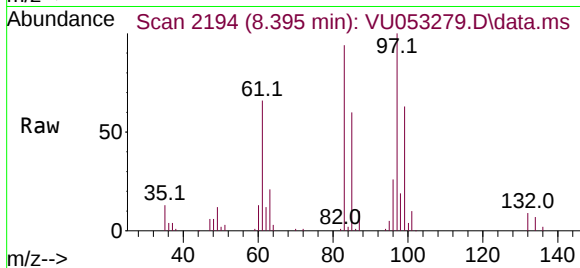




#45
1,1,2-Trichloroethane
Concen: 46.623 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

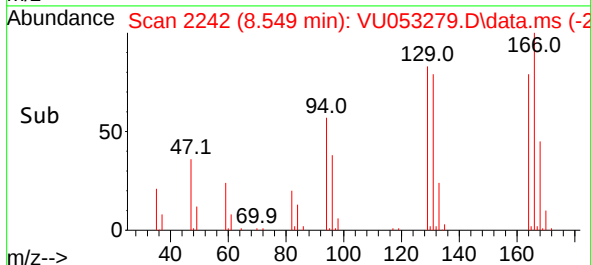
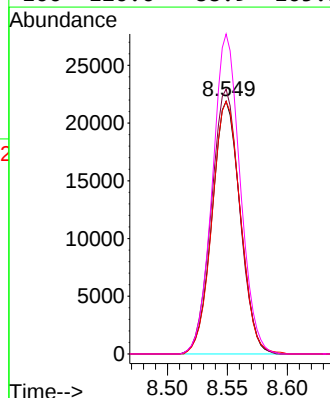
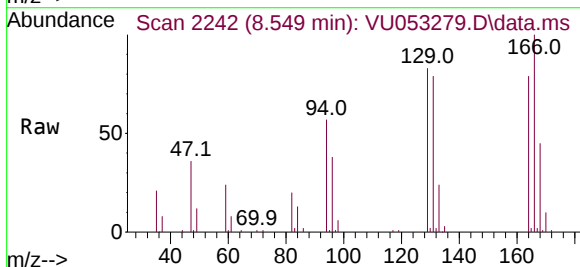
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

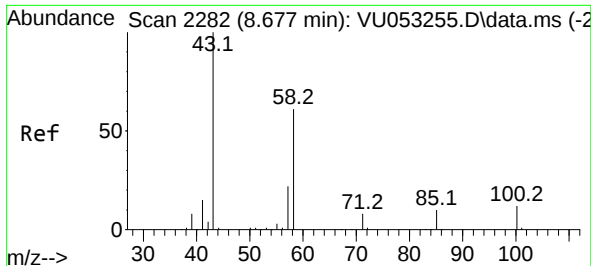
Tgt Ion:	97	Resp:	58029
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.4	82.4
83	94.2	63.8	118.6
85	59.8	41.6	77.2



#46
Tetrachloroethene
Concen: 43.157 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion:	164	Resp:	35868
Ion	Ratio	Lower	Upper
164	100		
129	104.8	73.6	136.8
131	100.0	70.3	130.7
166	126.6	88.9	165.1





#48

2-Hexanone

Concen: 99.680 ug/L

RT: 8.678 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD050165

Tgt Ion: 43 Resp: 117273

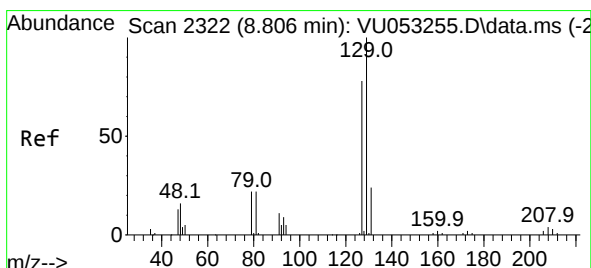
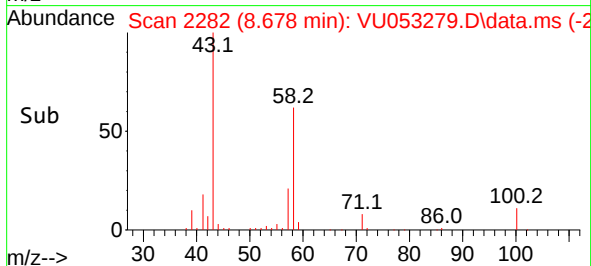
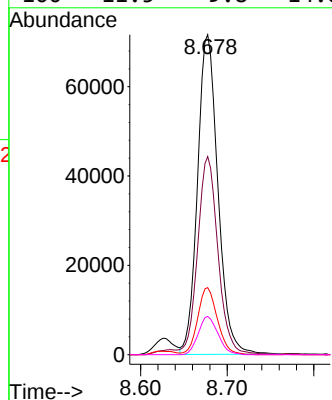
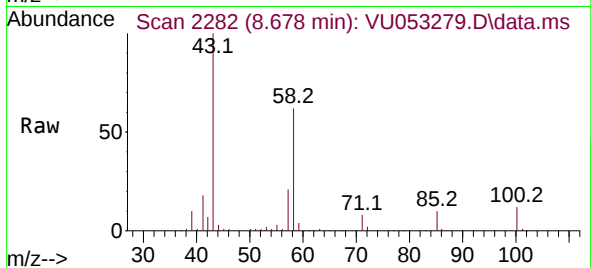
Ion Ratio Lower Upper

43 100

58 62.0 49.4 74.0

57 20.0 16.9 25.3

100 11.5 9.8 14.8



#49

Dibromochloromethane

Concen: 42.342 ug/L

RT: 8.806 min Scan# 2322

Delta R.T. 0.000 min

Lab File: VU053279.D

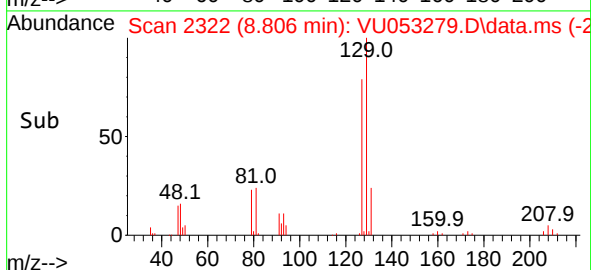
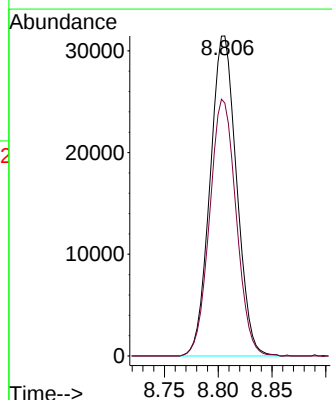
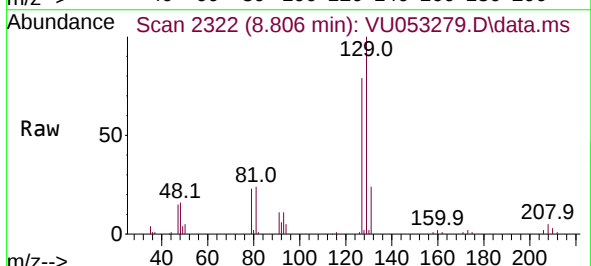
Acq: 17 Mar 2023 19:59

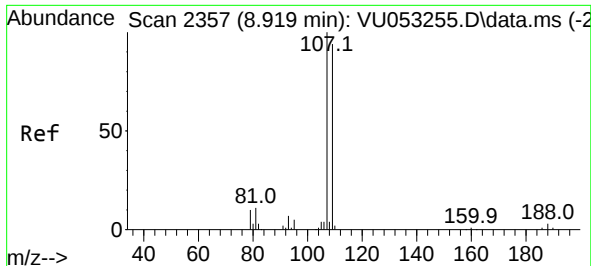
Tgt Ion: 129 Resp: 53910

Ion Ratio Lower Upper

129 100

127 79.0 53.1 98.5

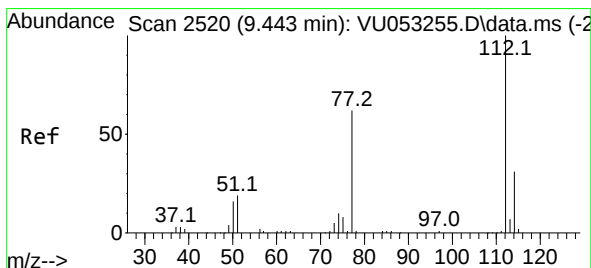
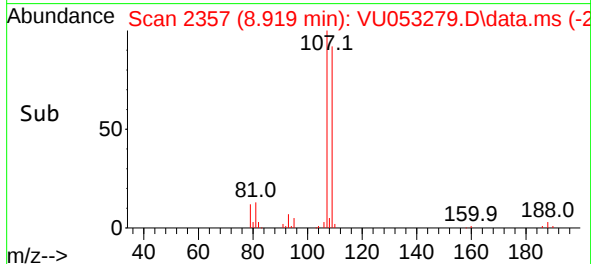
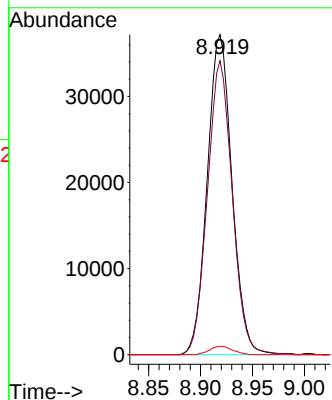
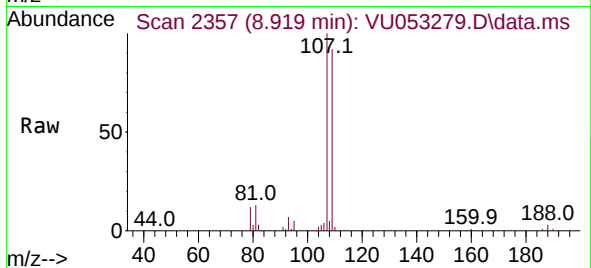




#50
1,2-Dibromoethane
Concen: 46.442 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

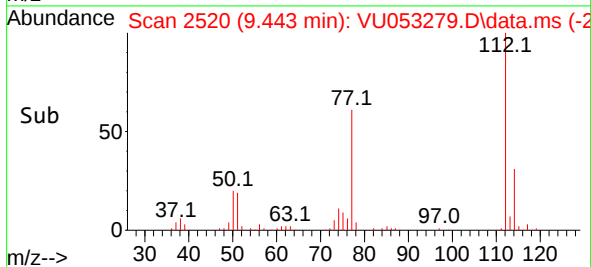
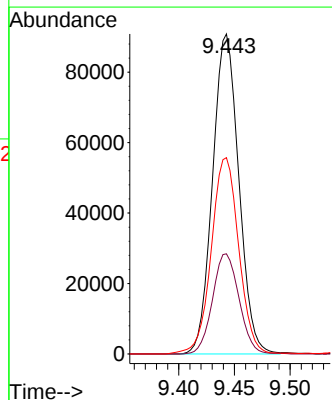
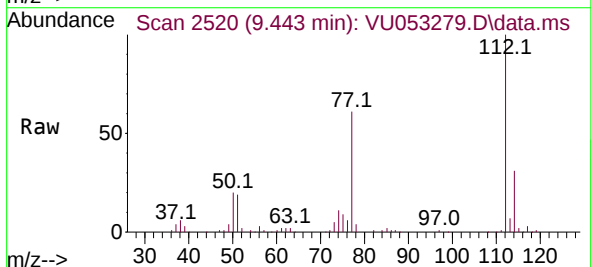
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

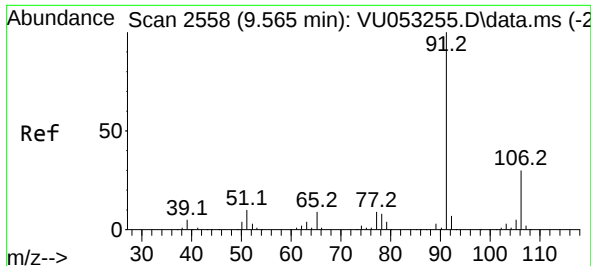
Tgt Ion:107 Resp: 61592
Ion Ratio Lower Upper
107 100
109 91.9 64.6 120.0
188 2.6 2.2 3.4



#51
Chlorobenzene
Concen: 45.336 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion:112 Resp: 148828
Ion Ratio Lower Upper
112 100
114 31.3 21.8 40.6
77 61.4 48.8 73.2

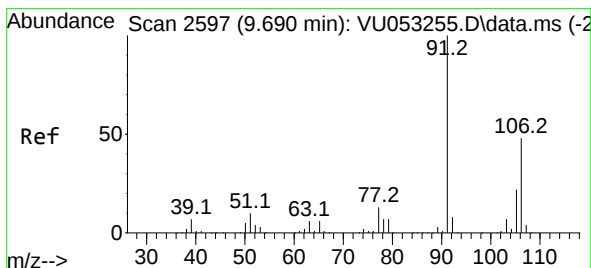
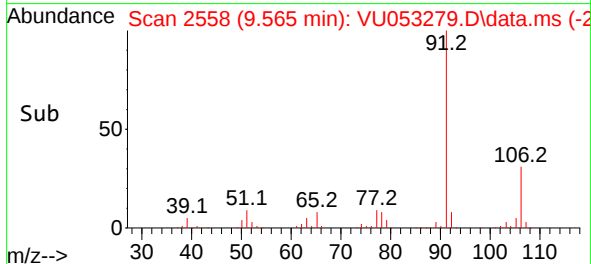
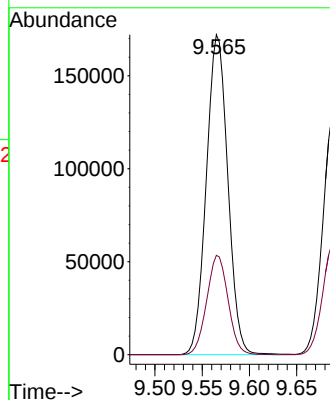
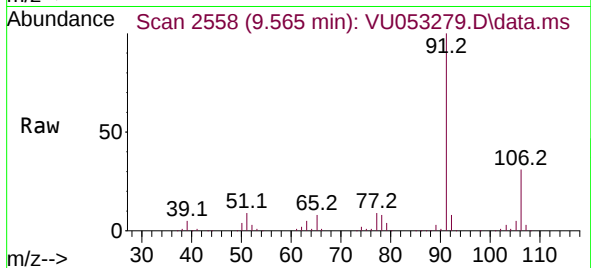




#52
Ethylbenzene
Concen: 45.502 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

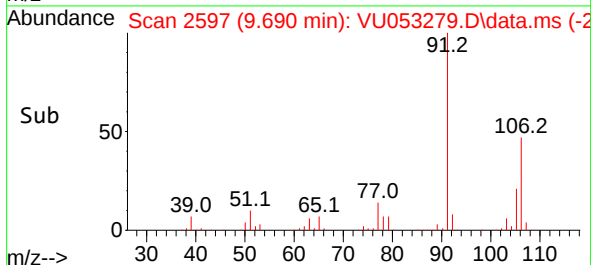
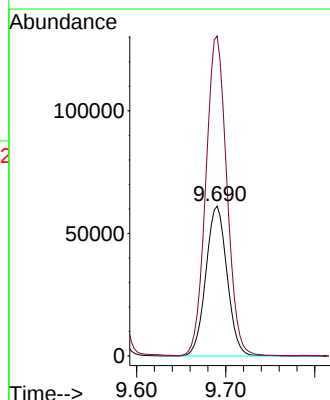
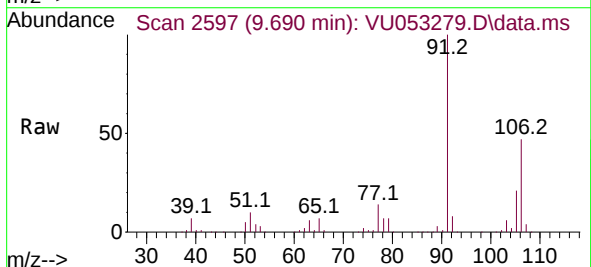
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

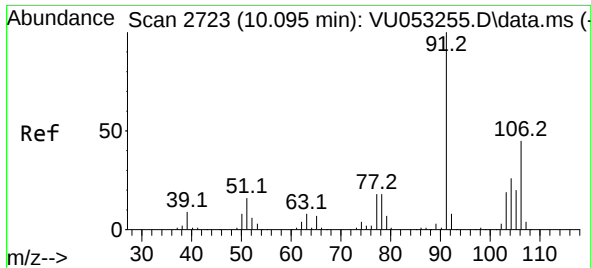
Tgt Ion: 91 Resp: 271784
Ion Ratio Lower Upper
91 100
106 31.1 21.6 40.0



#53
m,p-Xylene
Concen: 45.325 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 106 Resp: 101045
Ion Ratio Lower Upper
106 100
91 213.6 145.3 269.8

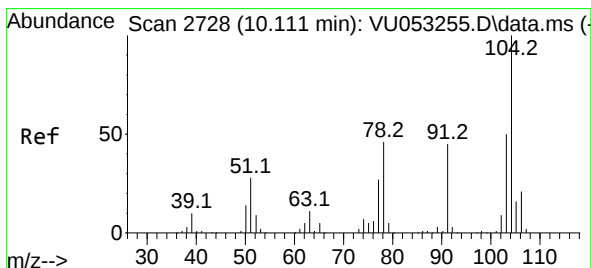
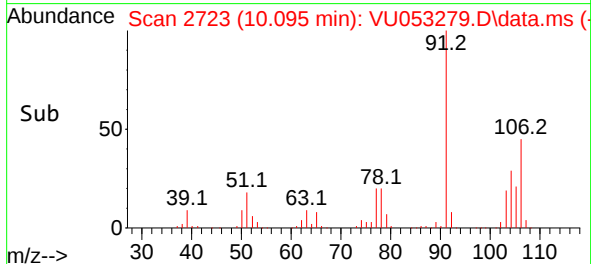
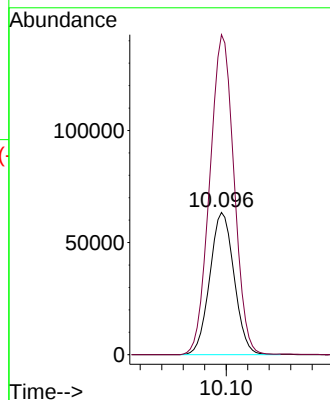
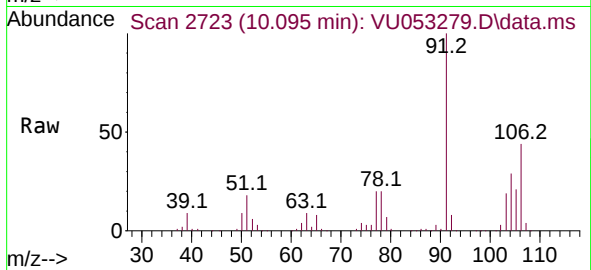




#54
o-Xylene
Concen: 45.198 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

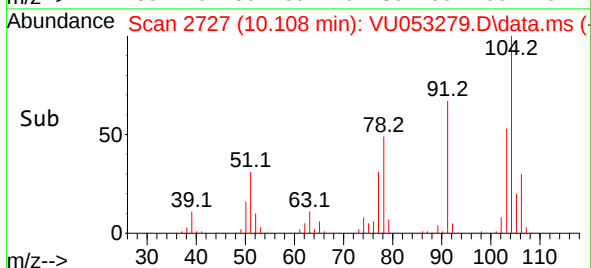
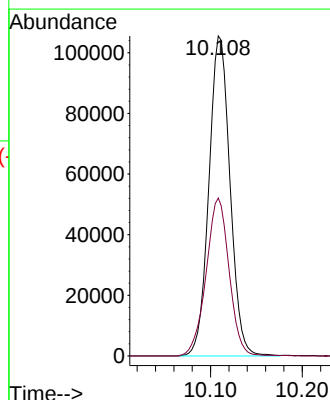
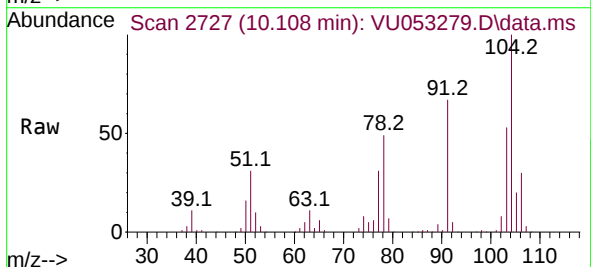
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

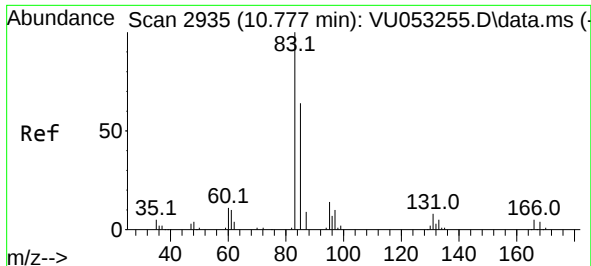
Tgt Ion:106 Resp: 99659
Ion Ratio Lower Upper
106 100
91 224.9 154.9 287.7



#55
Styrene
Concen: 45.998 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion:104 Resp: 169035
Ion Ratio Lower Upper
104 100
78 49.3 32.9 61.1

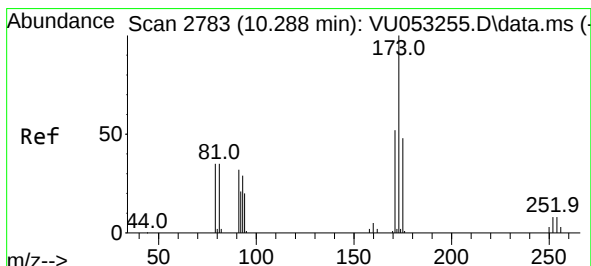
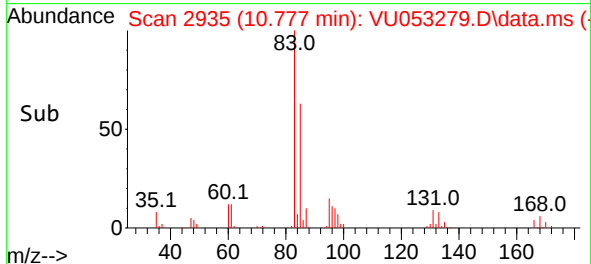
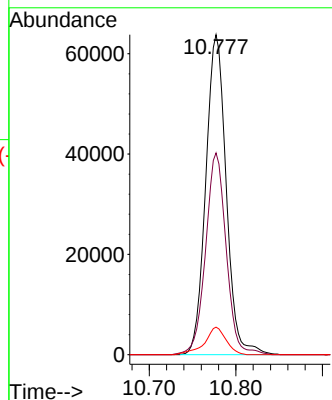
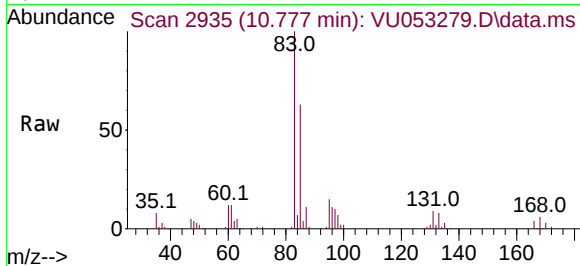




#57
1,1,2,2-Tetrachloroethane
Concen: 51.264 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

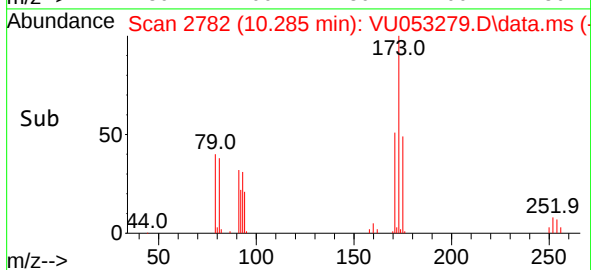
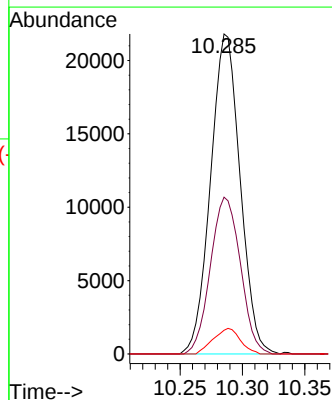
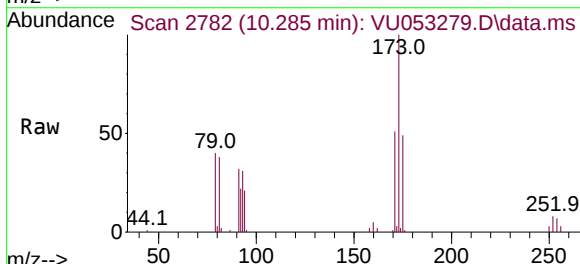
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

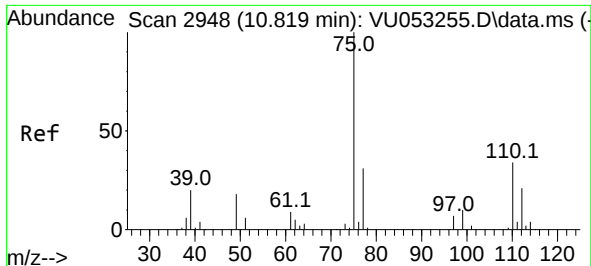
Tgt Ion: 83 Resp: 104609
Ion Ratio Lower Upper
83 100
85 63.1 46.0 85.4
131 8.6 6.6 10.0



#59
Bromoform
Concen: 46.160 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 173 Resp: 35985
Ion Ratio Lower Upper
173 100
175 49.6 38.5 57.7
254 7.3 6.5 9.7

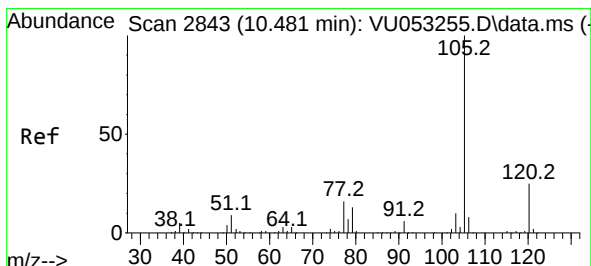
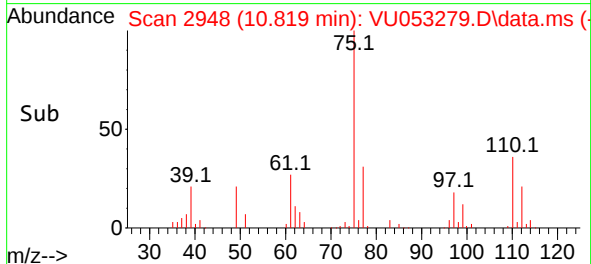
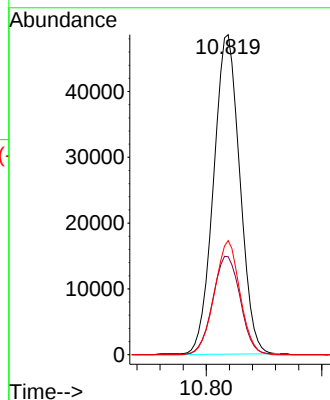
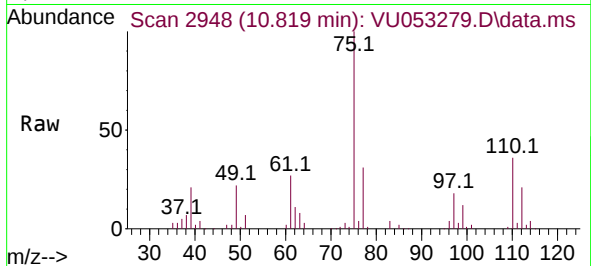




#60
1,2,3-Trichloropropane
Concen: 56.322 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

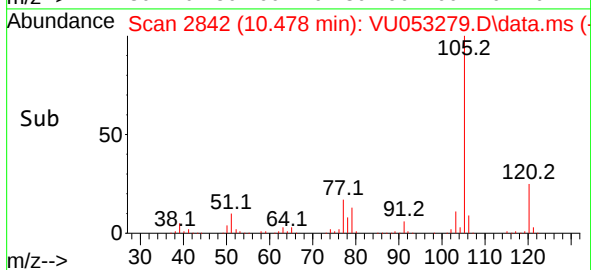
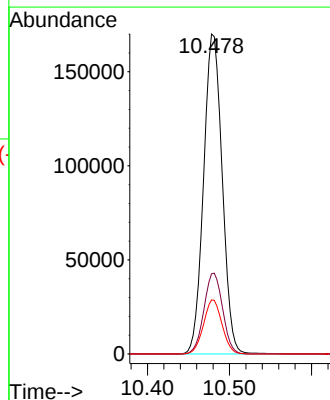
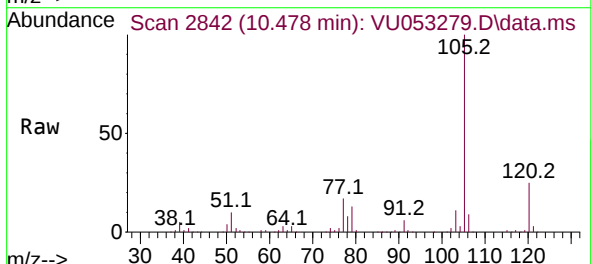
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

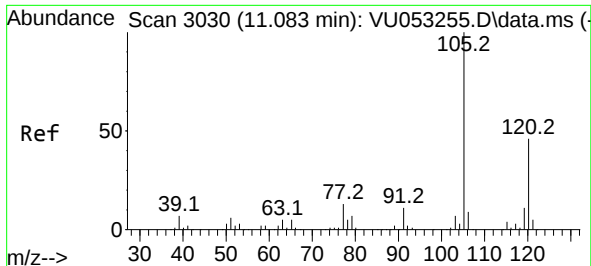
Tgt Ion:	75	Resp:	76667
Ion Ratio	Lower	Upper	
75	100		
77	32.3	26.6	40.0
110	34.8	28.6	42.8



#61
Isopropylbenzene
Concen: 49.504 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion:	105	Resp:	267939
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.4	30.6
77	16.8	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 48.696 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_U

ClientSampleId :

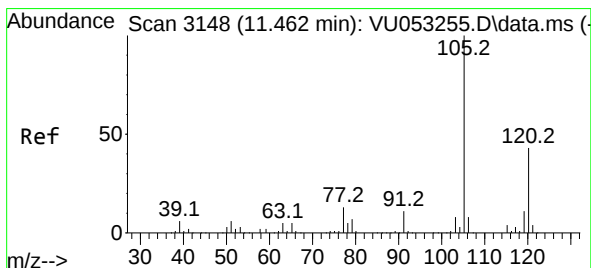
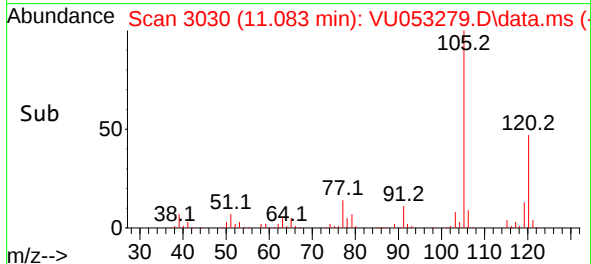
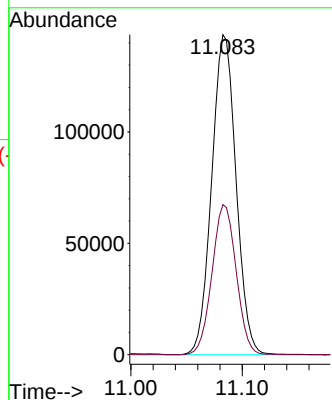
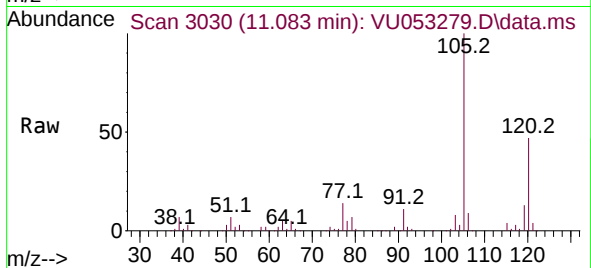
VSTD050165

Tgt Ion:105 Resp: 218169

Ion Ratio Lower Upper

105 100

120 46.5 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 48.333 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053279.D

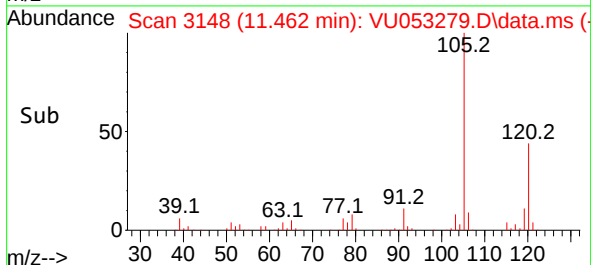
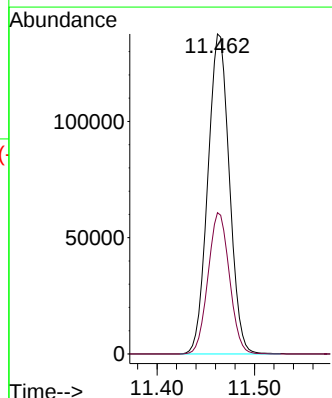
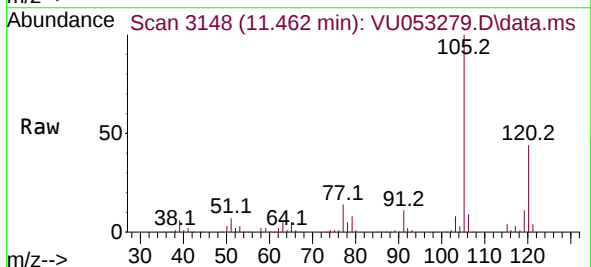
Acq: 17 Mar 2023 19:59

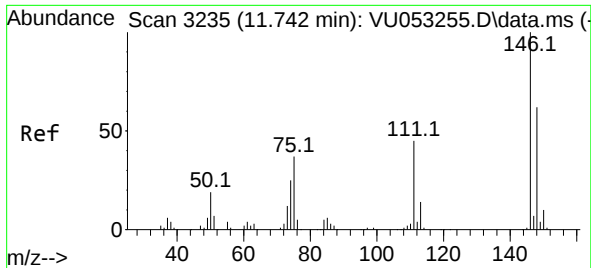
Tgt Ion:105 Resp: 211073

Ion Ratio Lower Upper

105 100

120 43.8 34.6 52.0

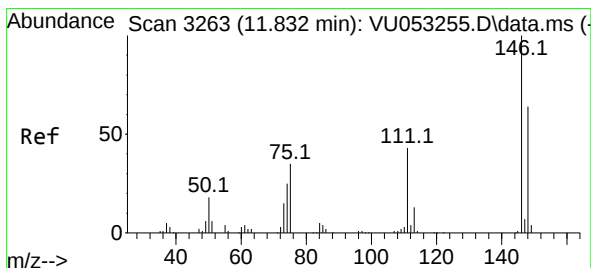
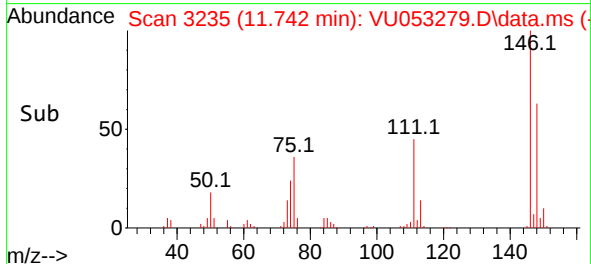
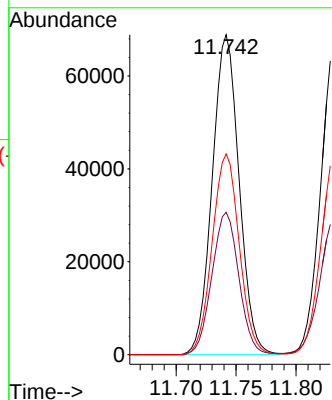
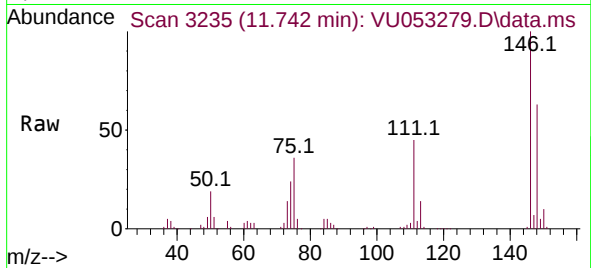




#64
1,3-Dichlorobenzene
Concen: 47.171 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

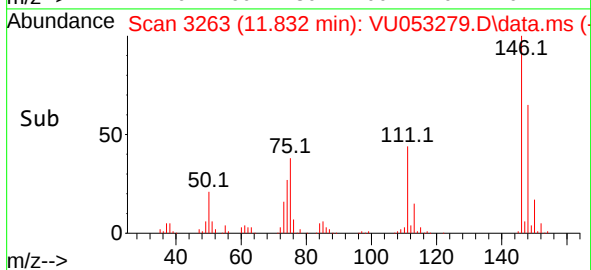
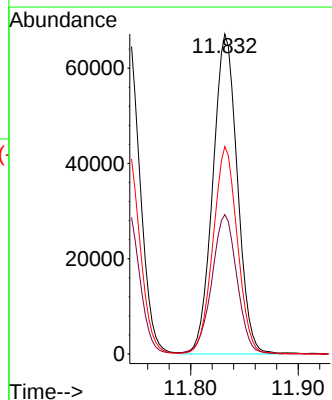
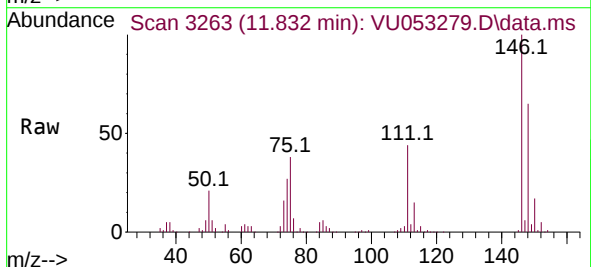
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

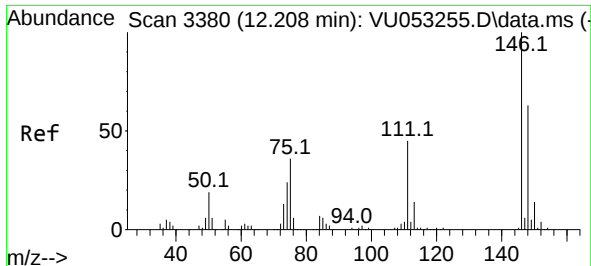
Tgt Ion:146 Resp: 107077
Ion Ratio Lower Upper
146 100
111 44.5 30.2 56.0
148 62.8 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 46.708 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion:146 Resp: 106438
Ion Ratio Lower Upper
146 100
111 43.5 30.7 57.1
148 64.8 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 47.574 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD050165

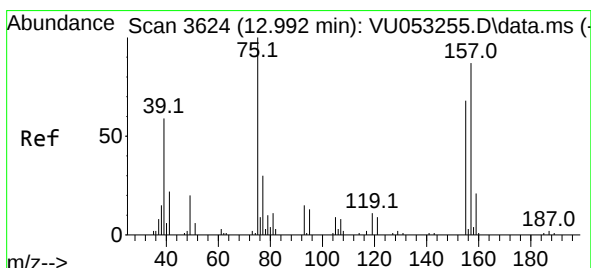
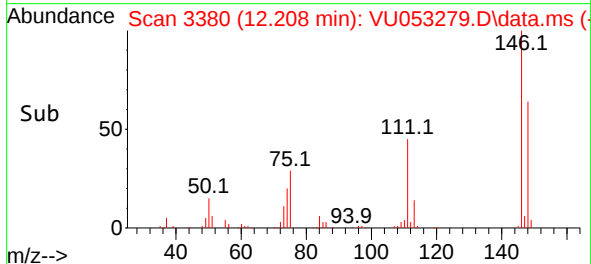
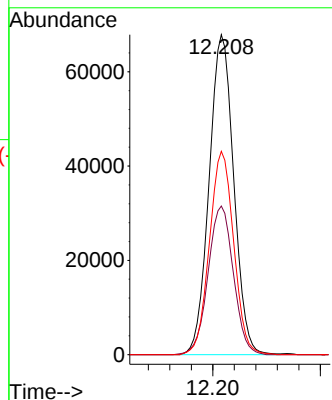
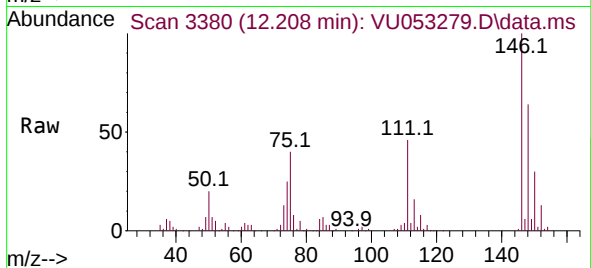
Tgt Ion:146 Resp: 107935

Ion Ratio Lower Upper

146 100

111 46.5 37.0 55.4

148 63.6 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 57.354 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

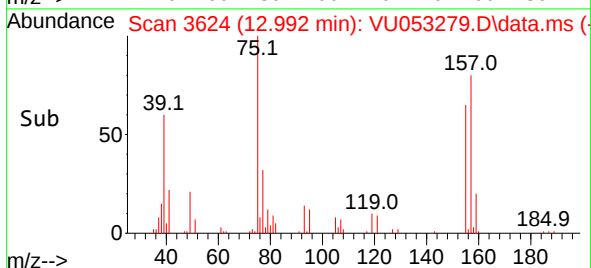
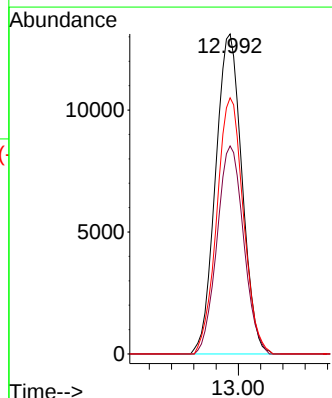
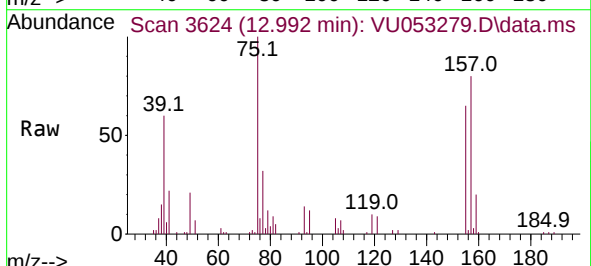
Tgt Ion: 75 Resp: 21589

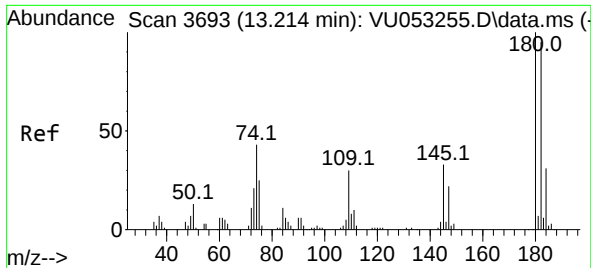
Ion Ratio Lower Upper

75 100

155 65.0 60.2 90.4

157 80.1 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 45.120 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD050165

Tgt Ion:180 Resp: 64935

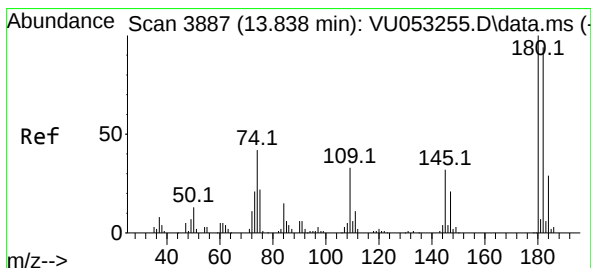
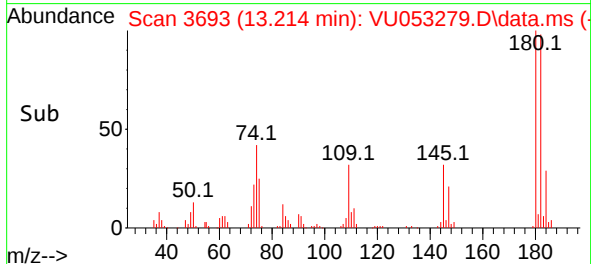
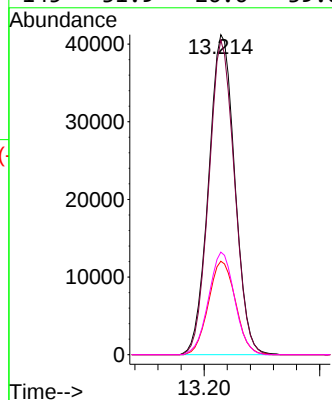
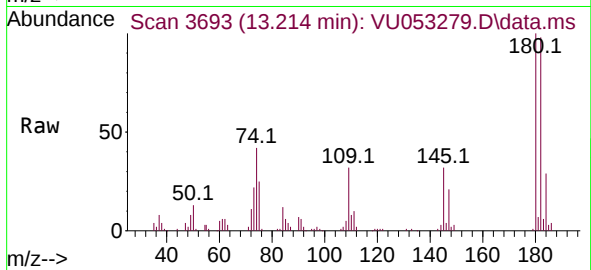
Ion Ratio Lower Upper

180 100

182 95.9 74.5 111.7

184 30.1 23.2 34.8

145 31.9 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 46.267 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU053279.D

Acq: 17 Mar 2023 19:59

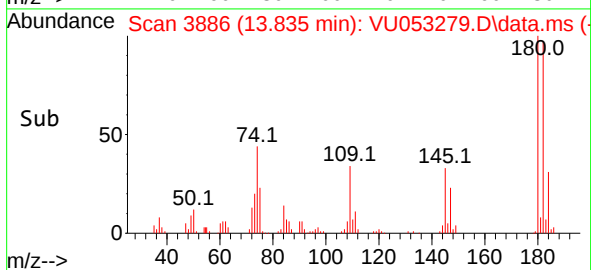
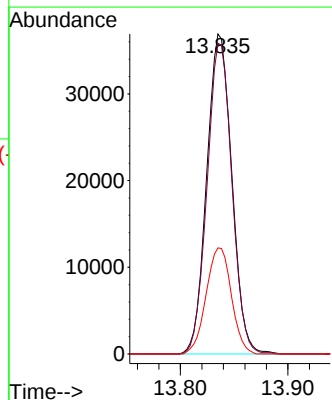
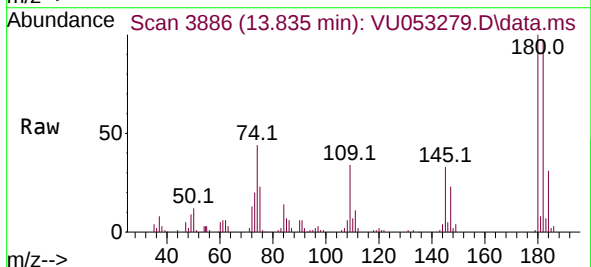
Tgt Ion:180 Resp: 59830

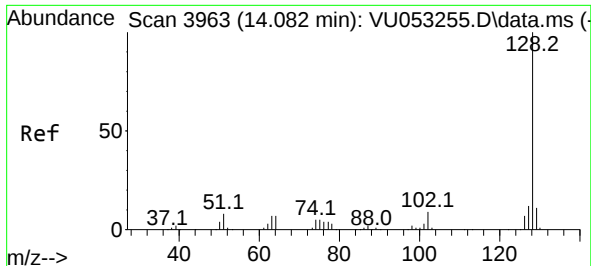
Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.8

145 33.3 27.2 40.8

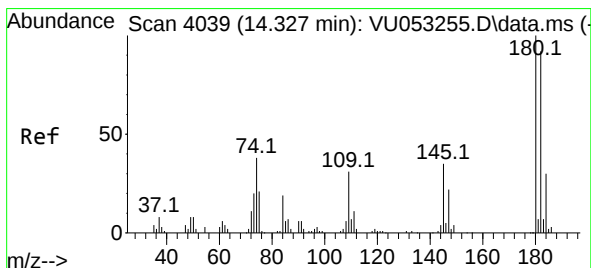
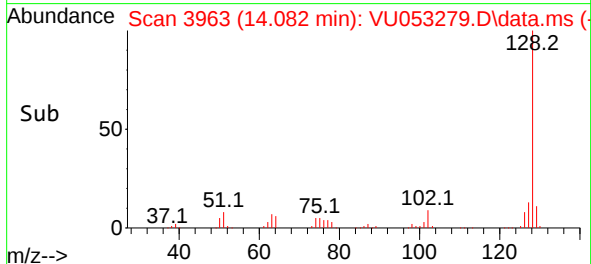
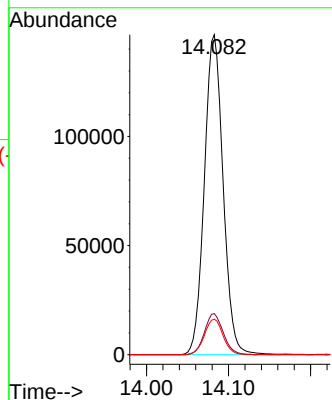
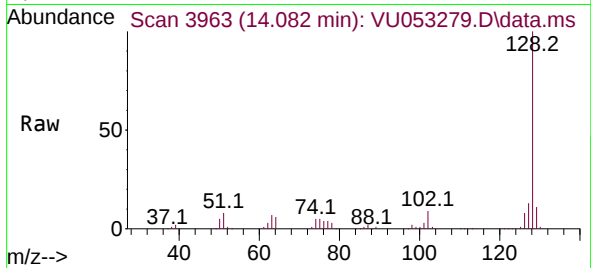




#71
Naphthalene
Concen: 53.501 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

Tgt Ion:128 Resp: 233188
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 11.1 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.183 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU053279.D
Acq: 17 Mar 2023 19:59

Tgt Ion:180 Resp: 60314
Ion Ratio Lower Upper
180 100
182 95.7 76.7 115.1
145 36.1 28.6 42.8

