

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
 Data File : VU053293.D
 Acq On : 18 Mar 2023 02:19
 Operator : JC/MD
 Sample : 01930-12MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EYFB8MSD

Quant Time: Mar 18 05:01:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 18 04:29:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	123804	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	114088	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	55971	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	51261	44.881	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.760%
7) Chloroethane-d5	1.909	69	37166	40.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.460%
11) 1,1-Dichloroethene-d2	2.565	63	77711	39.276	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.560%
21) 2-Butanone-d5	4.613	46	60943	115.043	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.040%
24) Chloroform-d	5.057	84	80079	42.568	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.140%
26) 1,2-Dichloroethane-d4	5.697	65	55236	47.279	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.560%
32) Benzene-d6	5.723	84	168849	45.629	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.260%
36) 1,2-Dichloropropane-d6	6.684	67	56221	47.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.140%
41) Toluene-d8	7.893	98	155349	45.091	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.180%
43) trans-1,3-Dichloroprop...	8.173	79	26184	44.436	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.880%
47) 2-Hexanone-d5	8.626	63	46406	124.284	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.280%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	82952	53.616	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.240%
66) 1,2-Dichlorobenzene-d4	12.189	152	52233	48.196	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	52580	40.688	ug/L	98
3) Chloromethane	1.520	50	48635	40.844	ug/L	100
5) Vinyl chloride	1.604	62	747371	573.759	ug/L	98
6) Bromomethane	1.855	94	27927	35.667	ug/L	96
8) Chloroethane	1.932	64	32474	42.206	ug/L	99
9) Trichlorofluoromethane	2.138	101	66778	41.088	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	37669	38.315	ug/L	98
12) 1,1-Dichloroethene	2.578	96	36890	40.574	ug/L	95
13) Acetone	2.617	43	36558	60.594	ug/L	97
14) Carbon disulfide	2.790	76	108287	39.322	ug/L	97
15) Methyl Acetate	2.941	43	36903	44.625	ug/L	99
16) Methylene chloride	3.041	84	42567	38.592	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	38428	41.655	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	134450	43.342	ug/L	99
19) 1,1-Dichloroethane	3.864	63	79969	42.466	ug/L	100
20) cis-1,2-Dichloroethene	4.658	96	349008	322.099	ug/L	99
22) 2-Butanone	4.694	43	58994	85.827	ug/L	90
23) Bromochloromethane	4.967	128	21067	40.776	ug/L	91
25) Chloroform	5.083	83	82370	43.712	ug/L	99

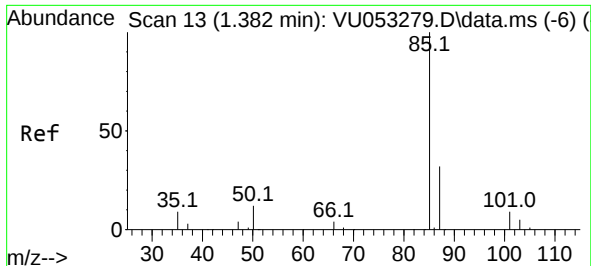
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	65693	44.162	ug/L	97
29) Cyclohexane	5.385	56	69979	41.165	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	67056	43.120	ug/L	99
31) Carbon tetrachloride	5.520	117	53828	42.250	ug/L	98
33) Benzene	5.768	78	175421	44.351	ug/L	100
34) Trichloroethene	6.536	95	44337	42.990	ug/L	98
35) Methylcyclohexane	6.758	83	72323	40.006	ug/L	99
37) 1,2-Dichloropropane	6.787	63	50048	45.353	ug/L	99
38) Bromodichloromethane	7.102	83	60940	44.375	ug/L	94
39) cis-1,3-Dichloropropene	7.600	75	79404	43.796	ug/L	97
40) 4-Methyl-2-pentanone	7.784	43	120923	106.611	ug/L	99
42) Toluene	7.964	91	187565	44.109	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	72602	43.808	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	45548	45.329	ug/L	99
46) Tetrachloroethene	8.549	164	28815	42.945	ug/L	98
48) 2-Hexanone	8.678	43	95588	100.639	ug/L	100
49) Dibromochloromethane	8.806	129	42572	41.417	ug/L	97
50) 1,2-Dibromoethane	8.919	107	49082	45.842	ug/L	98
51) Chlorobenzene	9.443	112	118660	44.773	ug/L	99
52) Ethylbenzene	9.565	91	210227	43.596	ug/L	99
53) m,p-Xylene	9.690	106	80199	44.559	ug/L	98
54) o-Xylene	10.095	106	78122	43.886	ug/L	98
55) Styrene	10.108	104	129141	43.529	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	81195	49.286	ug/L	97
59) Bromoform	10.285	173	29097	45.682	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	61751	55.521	ug/L	99
61) Isopropylbenzene	10.481	105	206709	46.742	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	168569	46.049	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	162234	45.468	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	85111	45.890	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	84495	45.381	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	83849	45.232	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	17961	58.400	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	51069	43.430	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	49175	46.542	ug/L	98
71) Naphthalene	14.082	128	206455	57.974	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	48659	48.563	ug/L	100

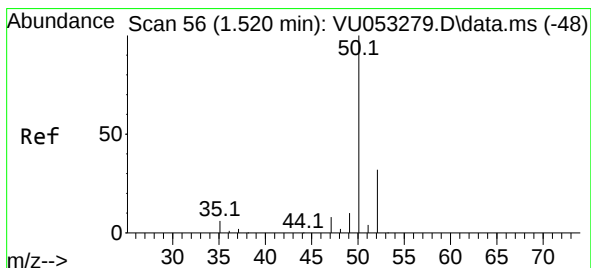
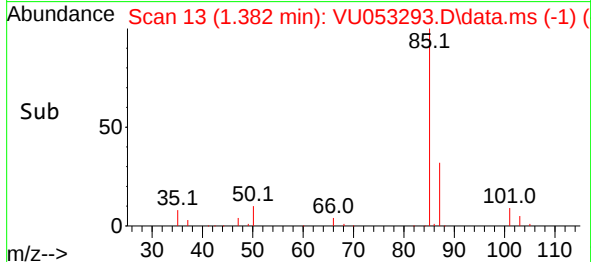
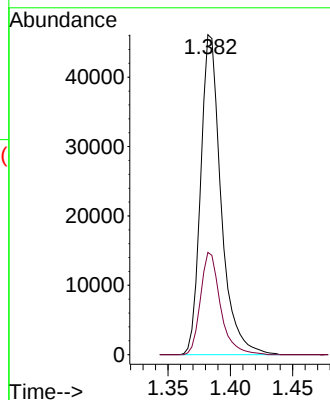
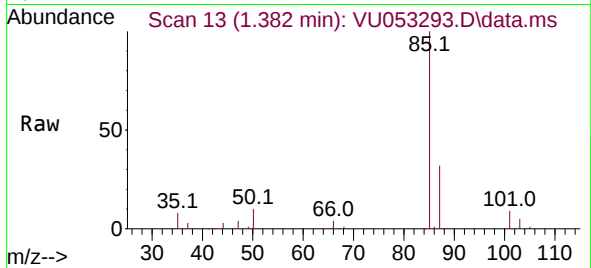
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 40.688 ug/L
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

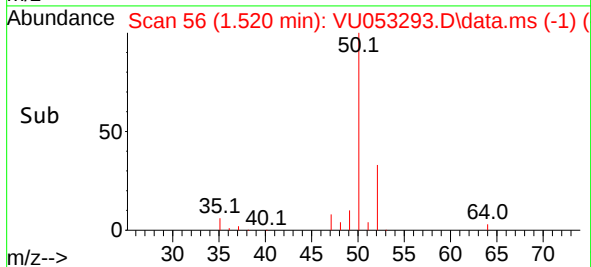
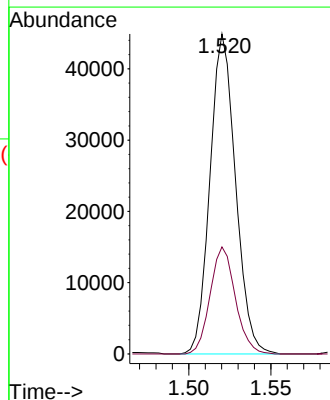
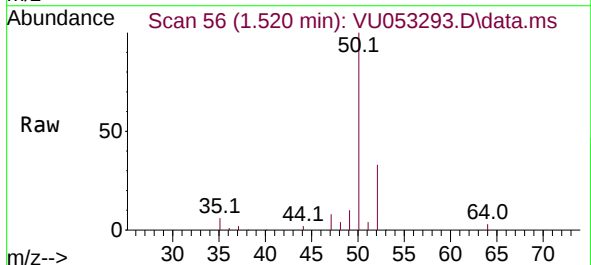
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

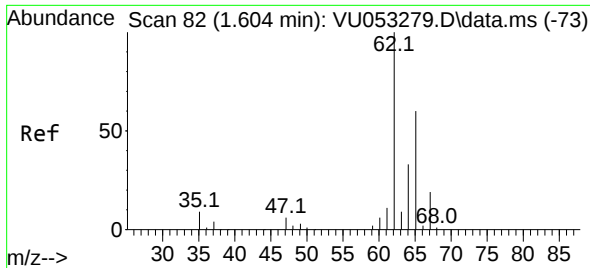
Tgt Ion: 85 Resp: 52580
Ion Ratio Lower Upper
85 100
87 31.2 25.8 38.8



#3
Chloromethane
Concen: 40.844 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion: 50 Resp: 48635
Ion Ratio Lower Upper
50 100
52 33.4 23.4 43.4

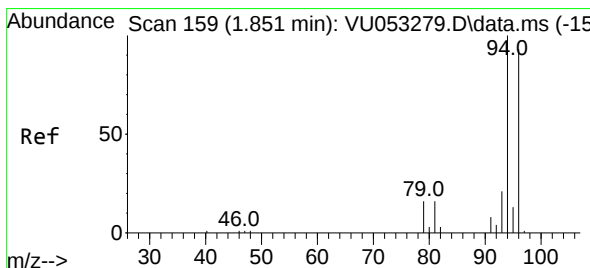
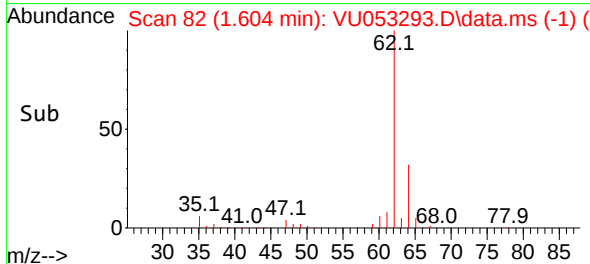
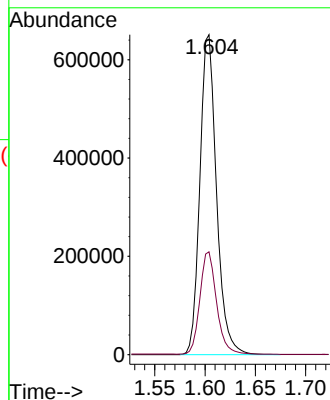
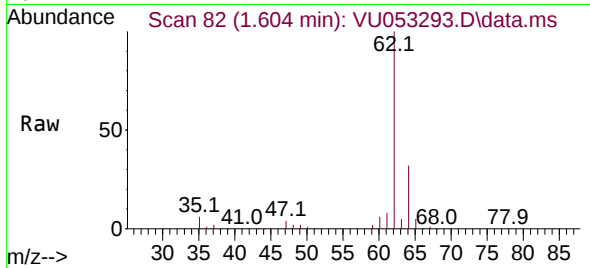




#5
 Vinyl chloride
 Concen: 573.759 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053293.D
 Acq: 18 Mar 2023 02:19

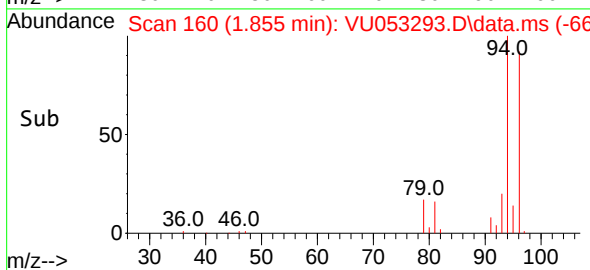
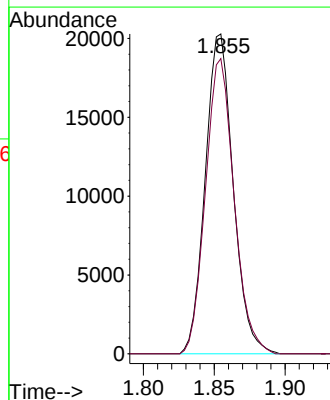
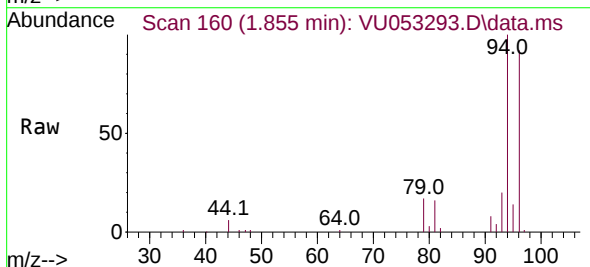
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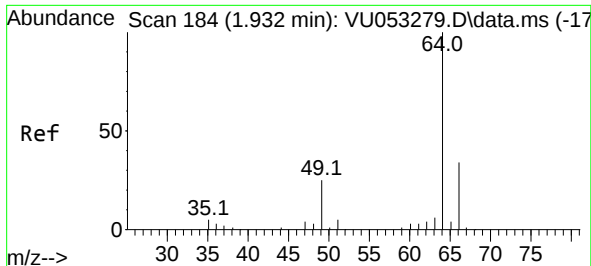
Tgt Ion: 62 Resp: 747371
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.2 43.0



#6
 Bromomethane
 Concen: 35.667 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VU053293.D
 Acq: 18 Mar 2023 02:19

Tgt Ion: 94 Resp: 27927
 Ion Ratio Lower Upper
 94 100
 96 92.3 67.5 125.3

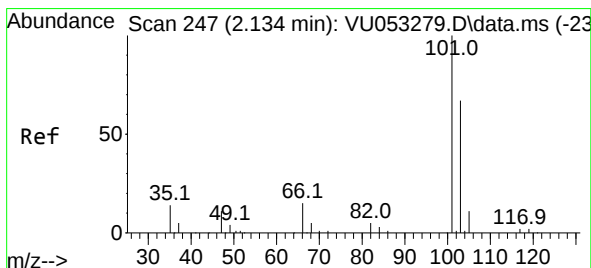
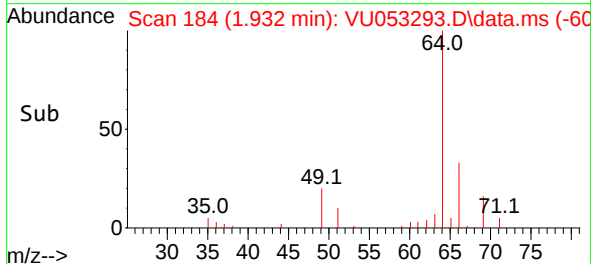
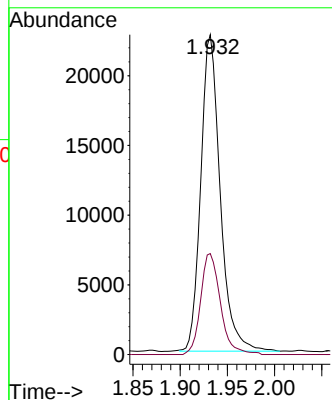
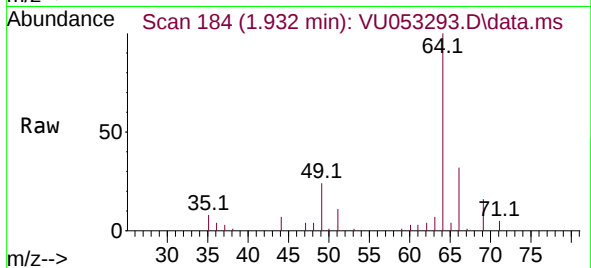




#8
Chloroethane
Concen: 42.206 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

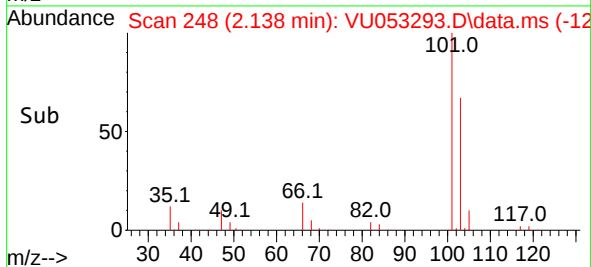
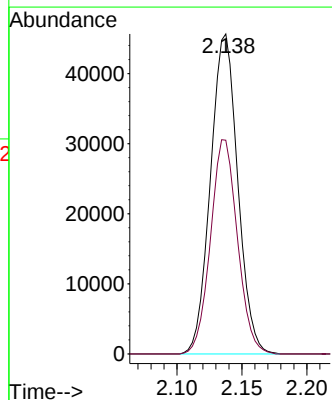
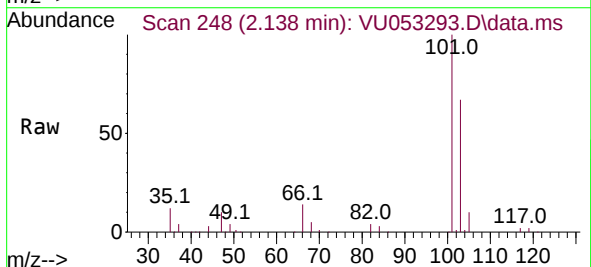
Instrument :
MSVOA_U
ClientSampleId :
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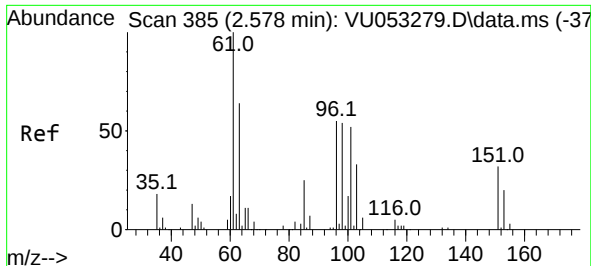
Tgt Ion: 64 Resp: 32474
Ion Ratio Lower Upper
64 100
66 31.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 41.088 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion:101 Resp: 66778
Ion Ratio Lower Upper
101 100
103 66.1 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 38.315 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

EYFB8MSD

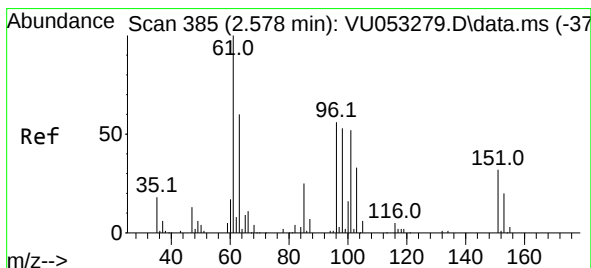
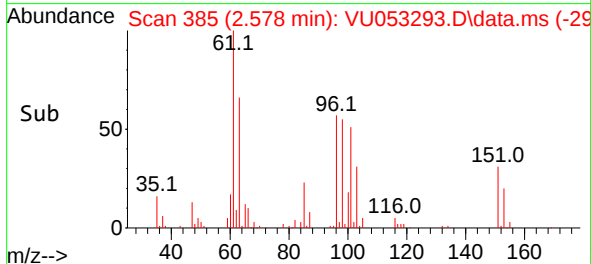
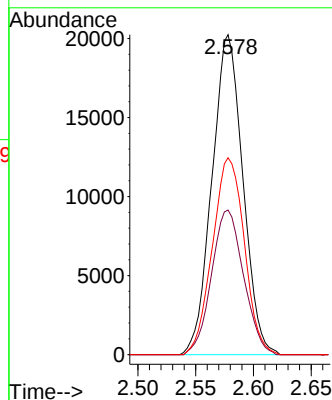
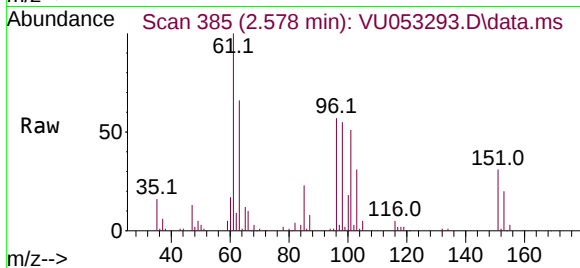
Tgt Ion:101 Resp: 37669

Ion Ratio Lower Upper

101 100

85 46.8 37.0 55.6

151 63.5 52.9 79.3



#12

1,1-Dichloroethene

Concen: 40.574 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

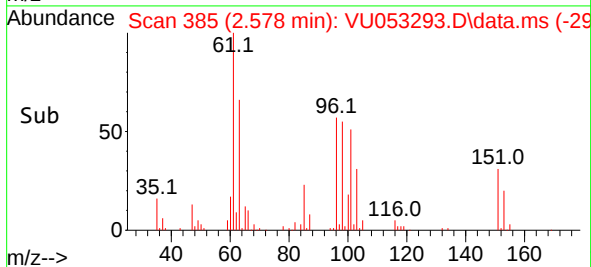
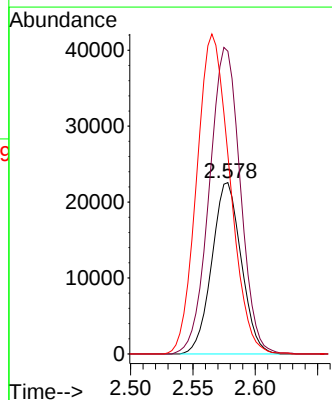
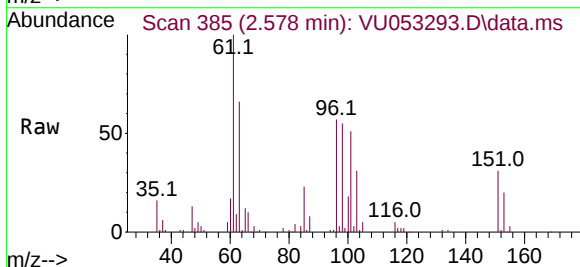
Tgt Ion: 96 Resp: 36890

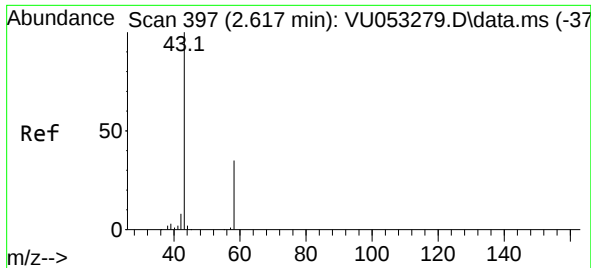
Ion Ratio Lower Upper

96 100

61 176.6 122.2 226.9

63 116.3 89.9 166.9





#13

Acetone

Concen: 60.594 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

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MSVOA_U

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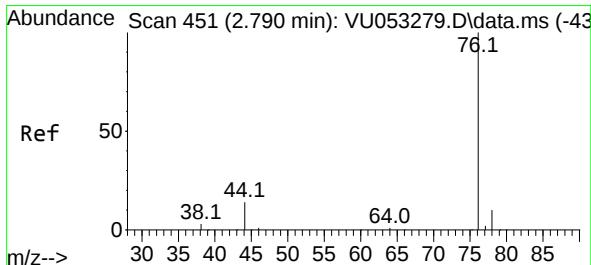
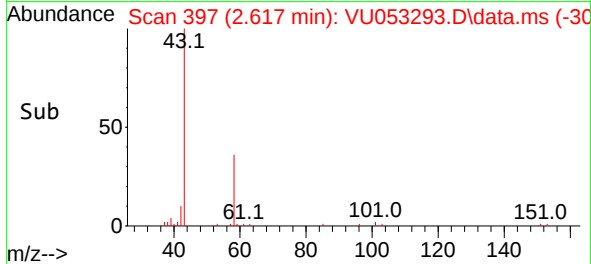
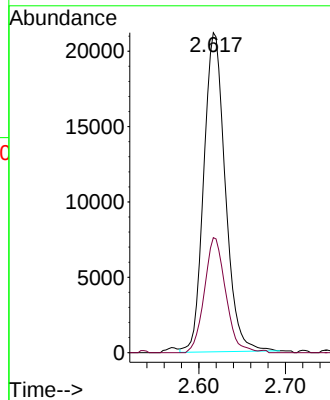
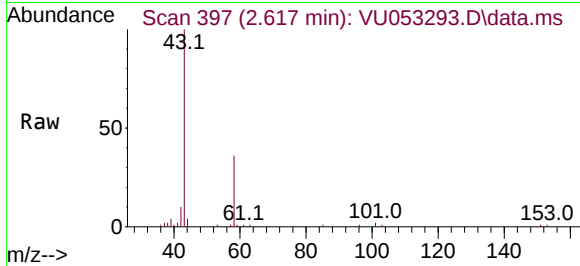
EYFB8MSD

Tgt Ion: 43 Resp: 36558

Ion Ratio Lower Upper

43 100

58 35.6 0.0 75.0



#14

Carbon disulfide

Concen: 39.322 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU053293.D

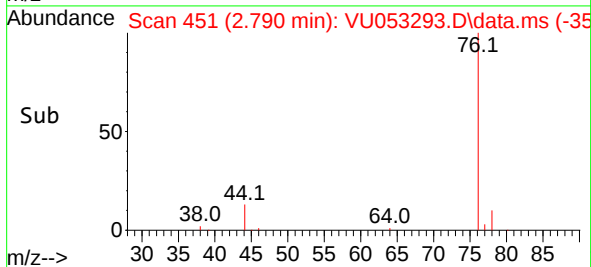
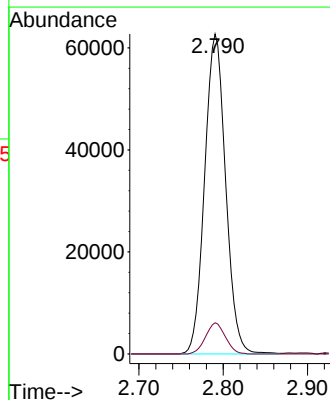
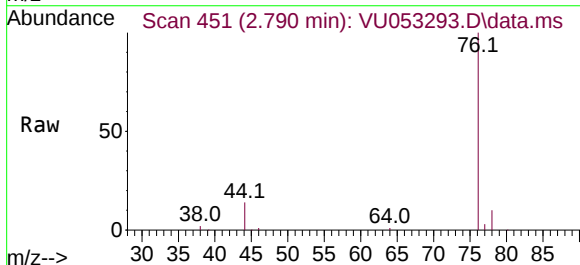
Acq: 18 Mar 2023 02:19

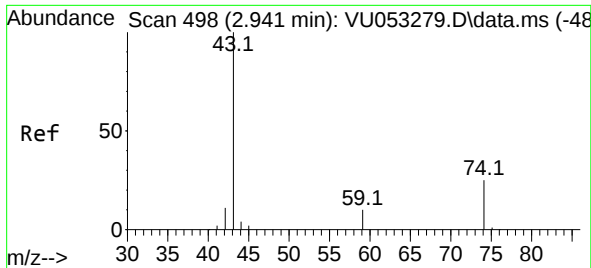
Tgt Ion: 76 Resp: 108287

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6

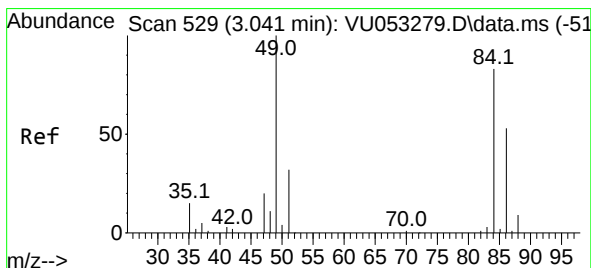
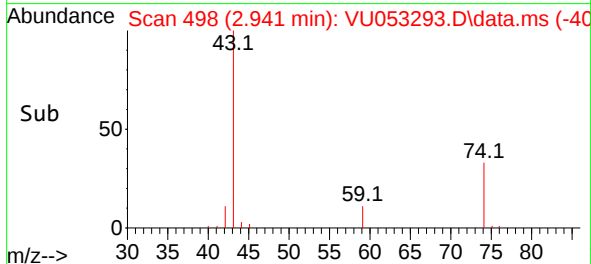
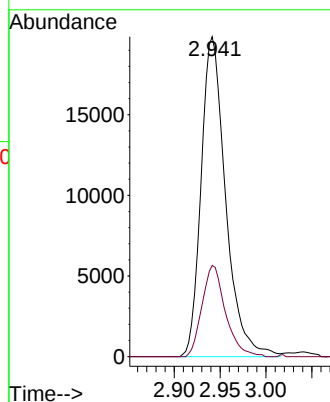
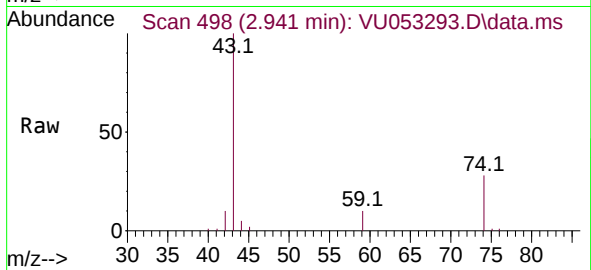




#15
Methyl Acetate
Concen: 44.625 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

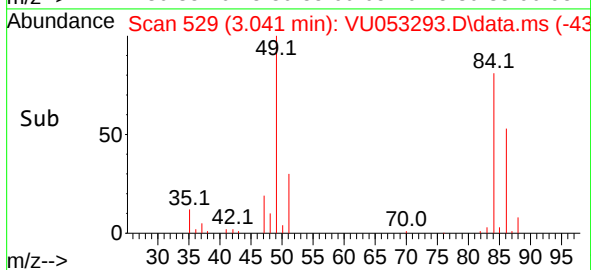
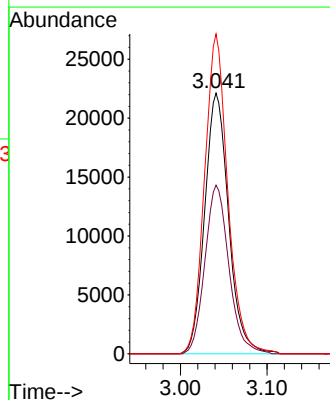
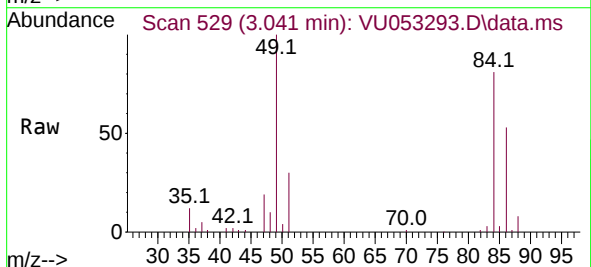
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

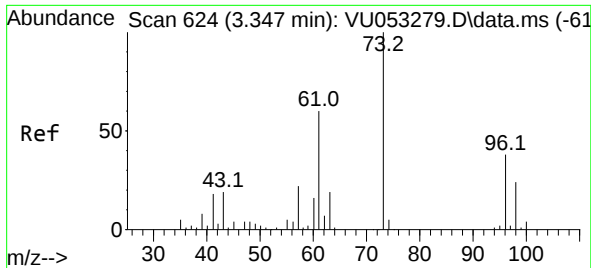
Tgt Ion: 43 Resp: 36903
Ion Ratio Lower Upper
43 100
74 27.1 21.4 32.0



#16
Methylene chloride
Concen: 38.592 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion: 84 Resp: 42567
Ion Ratio Lower Upper
84 100
86 64.7 44.4 82.4
49 122.7 81.6 151.6

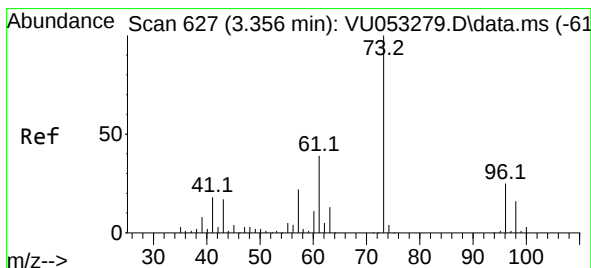
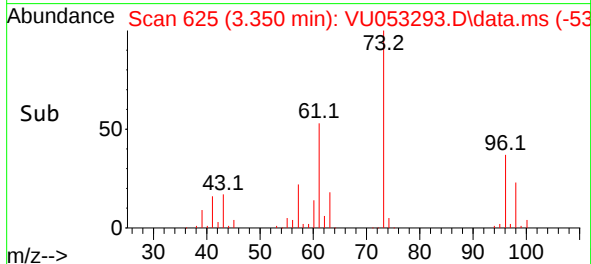
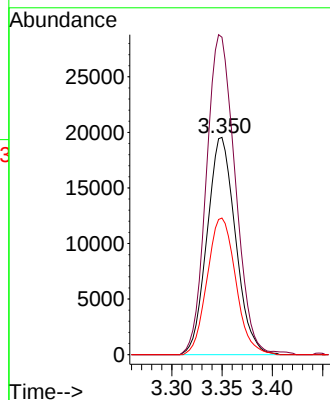
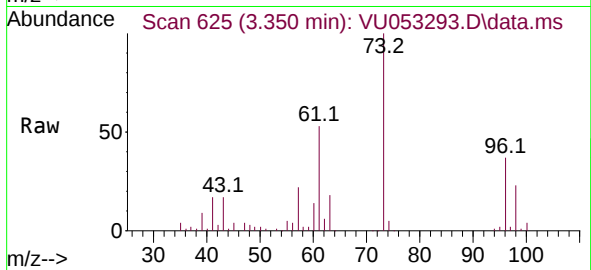




#17
trans-1,2-Dichloroethene
Concen: 41.655 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

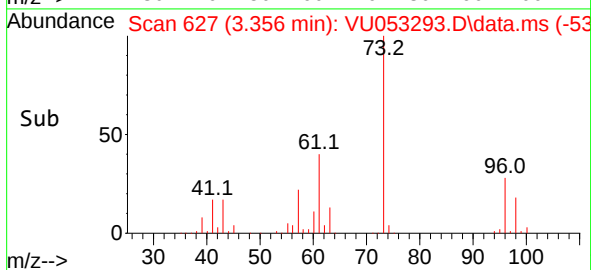
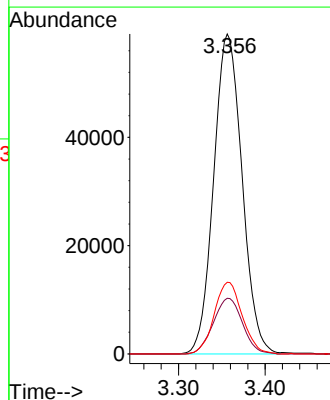
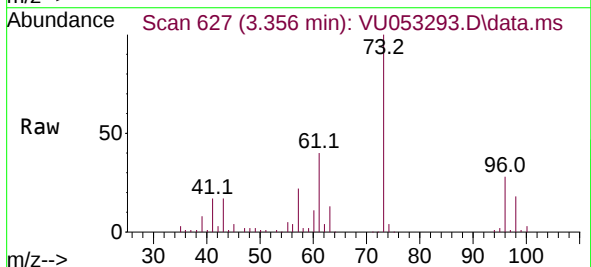
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

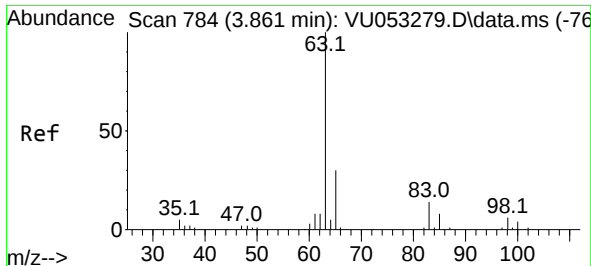
Tgt Ion: 96 Resp: 38428
Ion Ratio Lower Upper
96 100
61 146.1 99.6 185.0
98 62.9 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 43.342 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion: 73 Resp: 134450
Ion Ratio Lower Upper
73 100
43 17.9 14.2 21.2
57 22.1 18.0 27.0

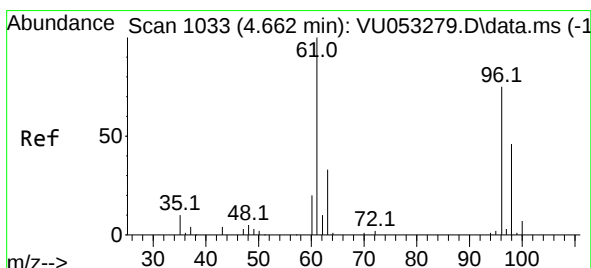
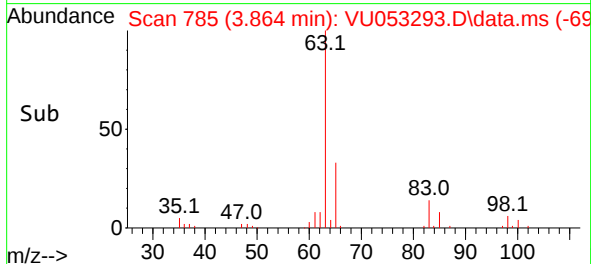
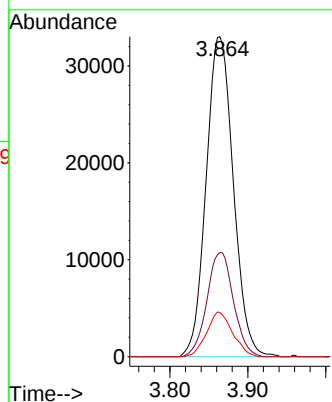
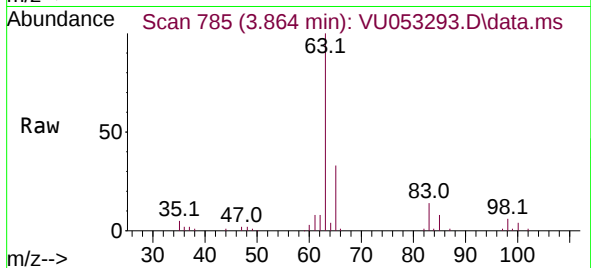




#19
1,1-Dichloroethane
Concen: 42.466 ug/L
RT: 3.864 min Scan# 784
Delta R.T. 0.003 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

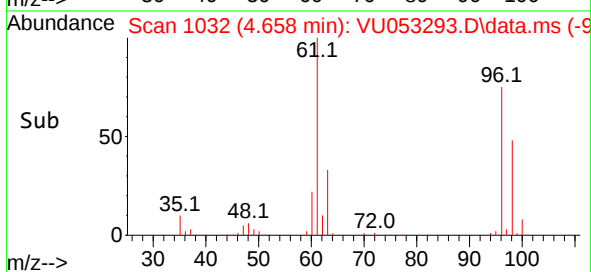
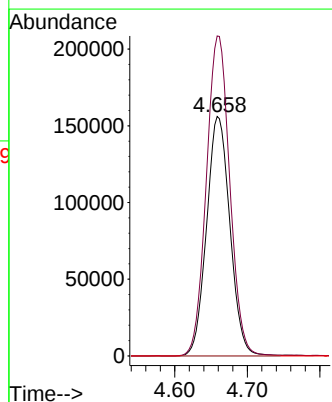
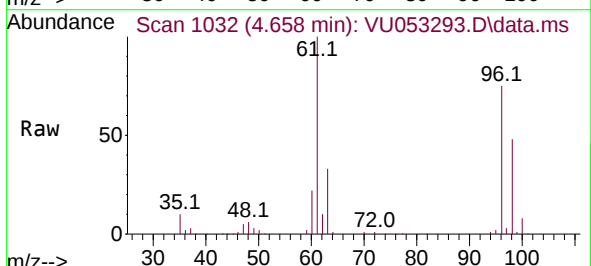
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

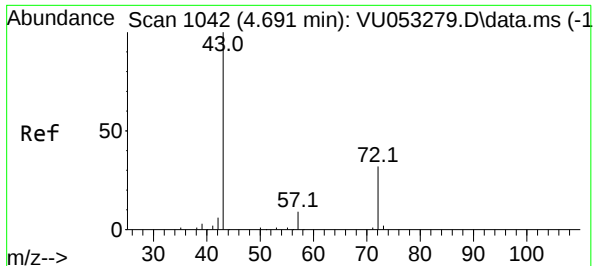
Tgt Ion:	63	Resp:	79969
Ion Ratio	Lower	Upper	
63	100		
65	32.5	22.8	42.4
83	13.8	9.4	17.6



#20
cis-1,2-Dichloroethene
Concen: 322.099 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion:	96	Resp:	349008
Ion Ratio	Lower	Upper	
96	100		
61	133.7	92.5	171.7
68	0.0	0.0	0.0

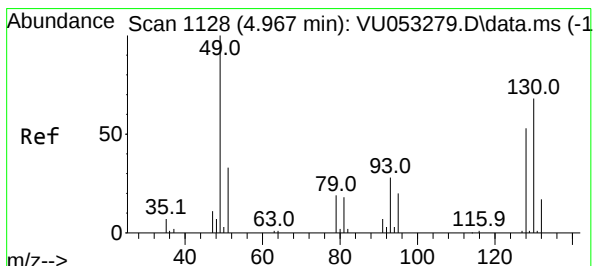
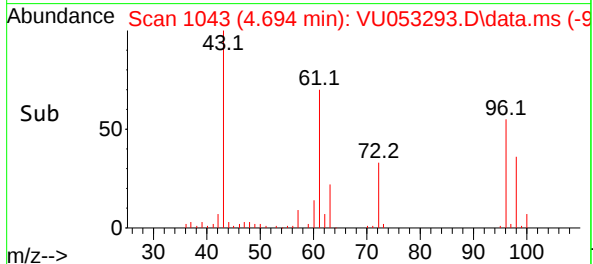
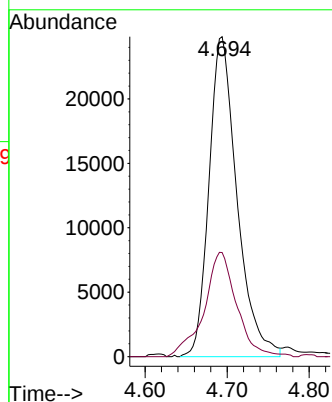
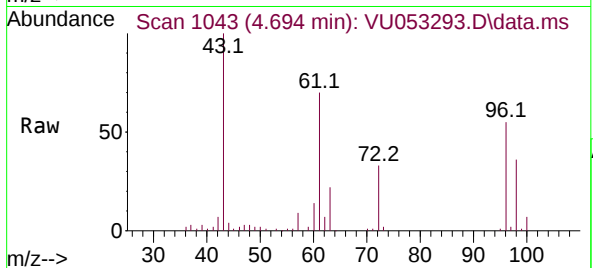




#22
2-Butanone
Concen: 85.827 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. 0.003 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

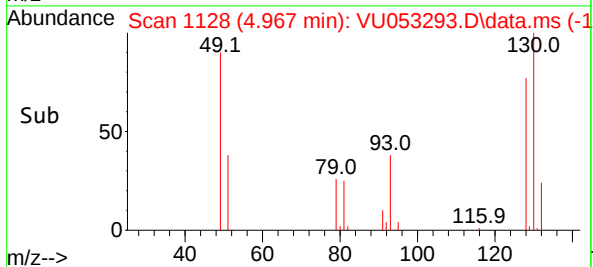
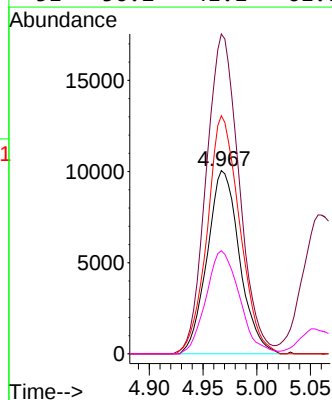
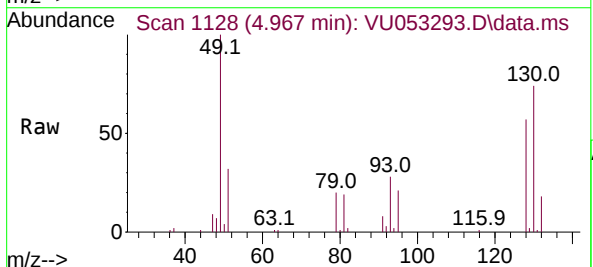
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

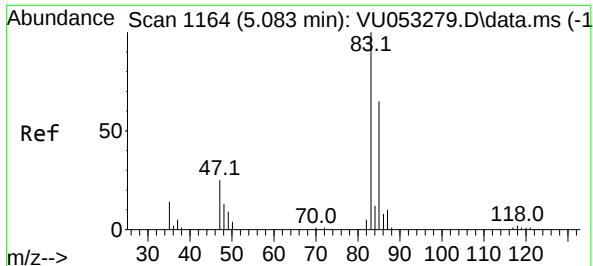
Tgt Ion: 43 Resp: 58994
Ion Ratio Lower Upper
43 100
72 37.6 16.0 47.9



#23
Bromochloromethane
Concen: 40.776 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion: 128 Resp: 21067
Ion Ratio Lower Upper
128 100
49 174.6 109.9 204.1
130 130.0 87.2 161.9
51 56.2 41.1 61.7





#25

Chloroform

Concen: 43.712 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

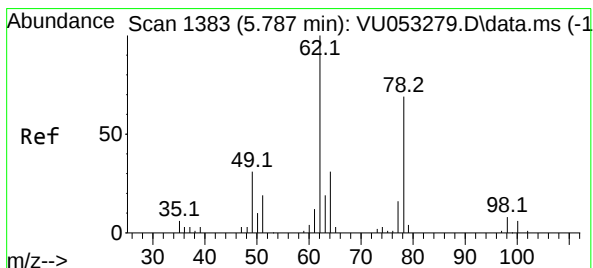
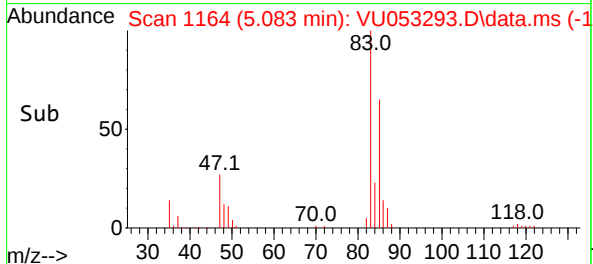
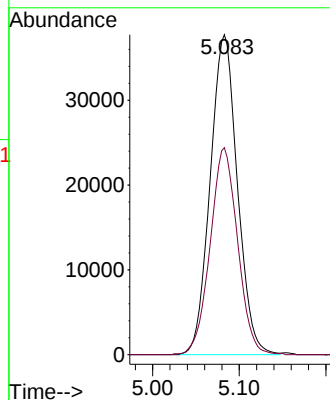
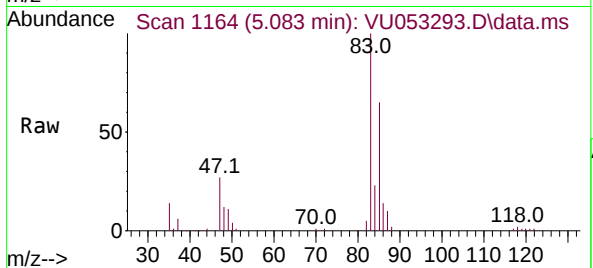
EYFB8MSD

Tgt Ion: 83 Resp: 82370

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.3



#27

1,2-Dichloroethane

Concen: 44.162 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053293.D

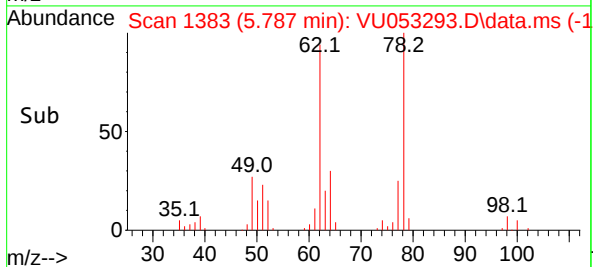
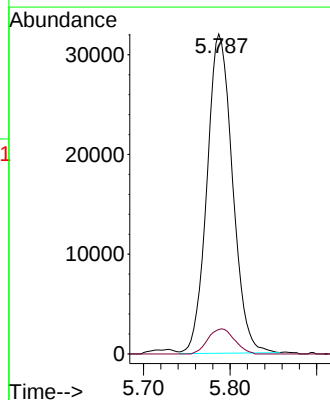
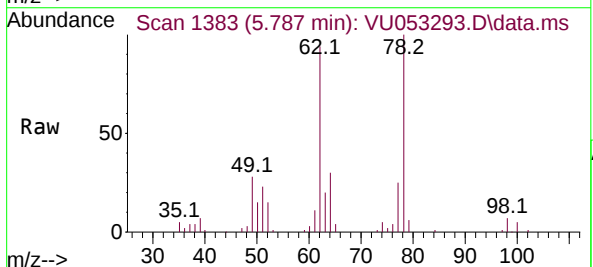
Acq: 18 Mar 2023 02:19

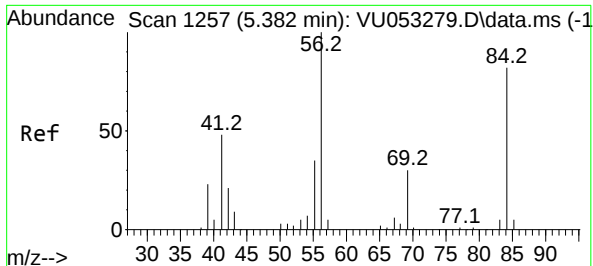
Tgt Ion: 62 Resp: 65693

Ion Ratio Lower Upper

62 100

98 7.7 7.0 10.6





#29

Cyclohexane

Concen: 41.165 ug/L

RT: 5.385 min Scan# 1257

Delta R.T. 0.003 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

EYFB8MSD

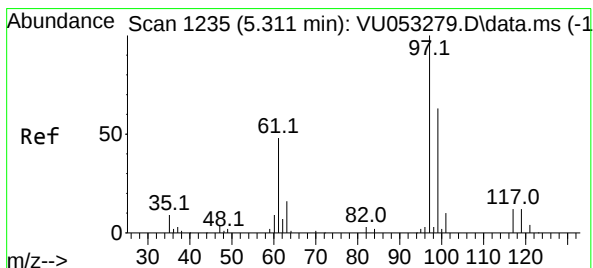
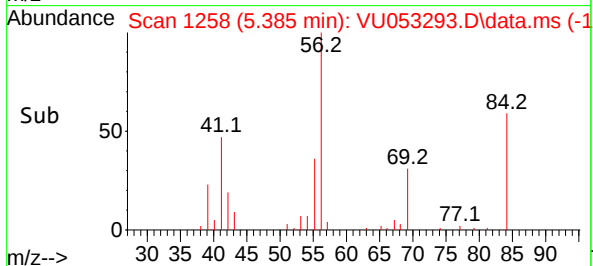
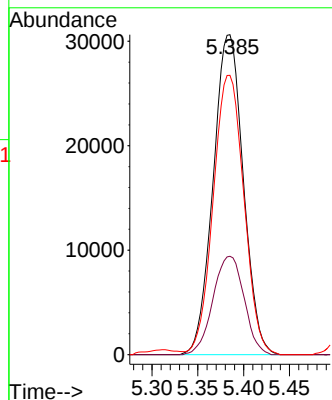
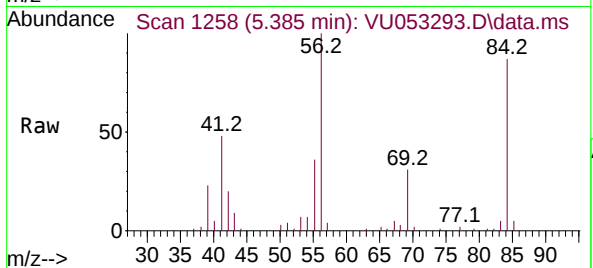
Tgt Ion: 56 Resp: 69979

Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.0

84 88.8 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 43.120 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

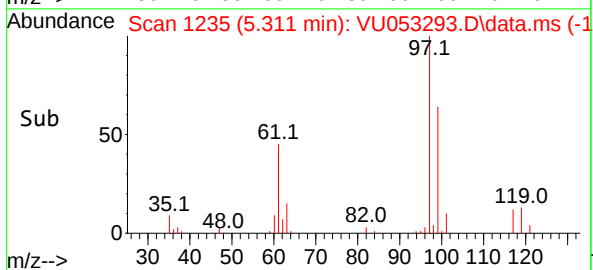
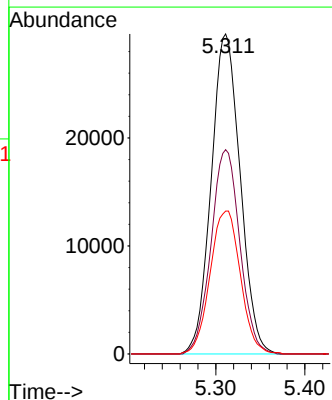
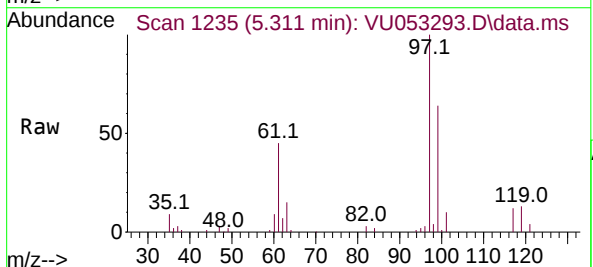
Tgt Ion: 97 Resp: 67056

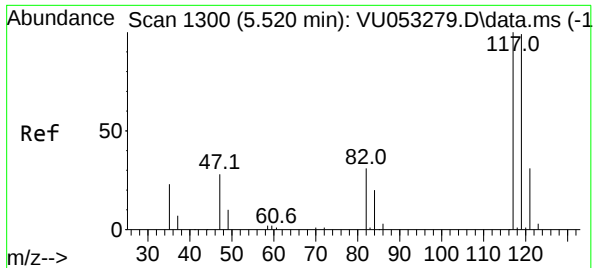
Ion Ratio Lower Upper

97 100

99 63.4 50.6 76.0

61 46.6 36.0 54.0

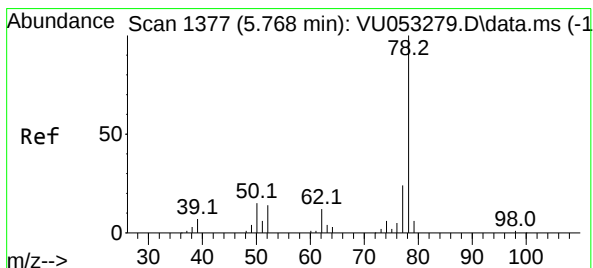
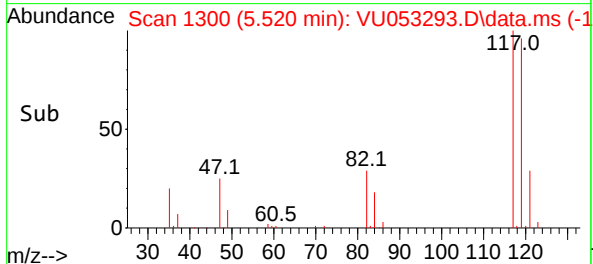
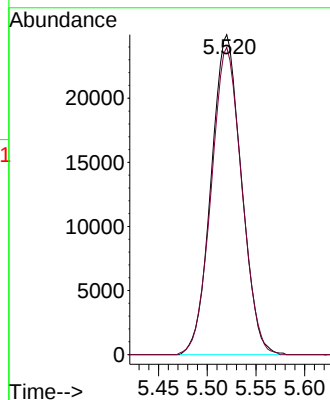
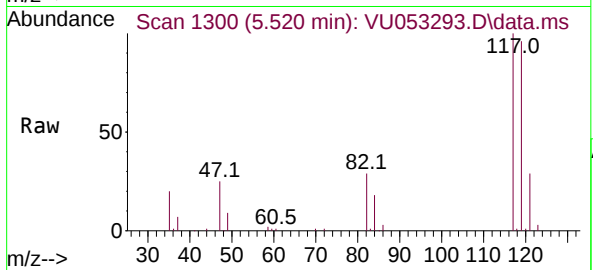




#31
Carbon tetrachloride
Concen: 42.250 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

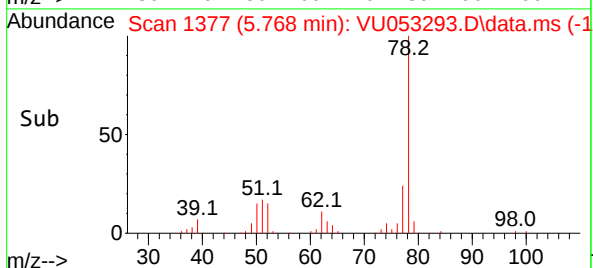
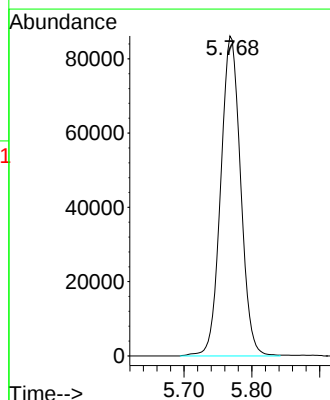
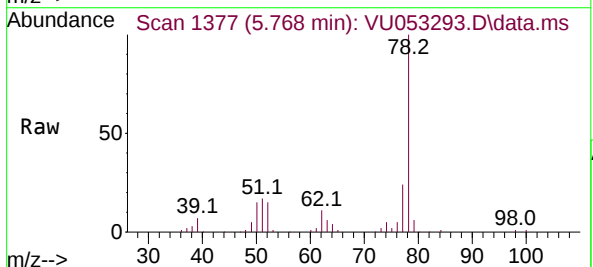
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

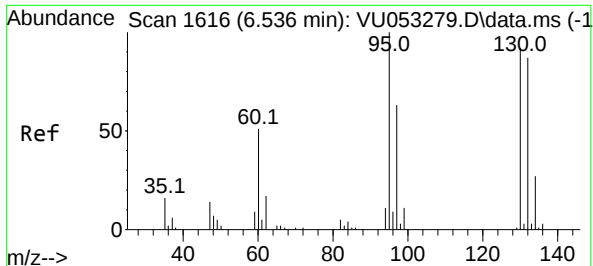
Tgt Ion:117 Resp: 53828
Ion Ratio Lower Upper
117 100
119 96.9 76.2 114.2



#33
Benzene
Concen: 44.351 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion: 78 Resp: 175421

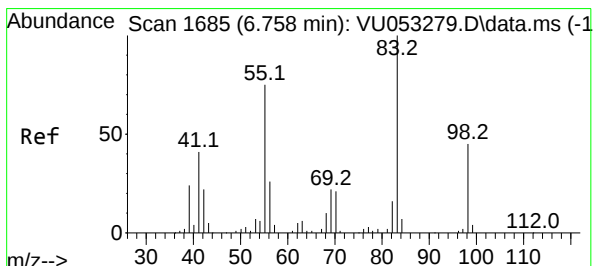
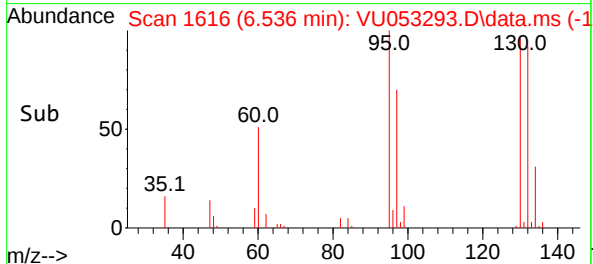
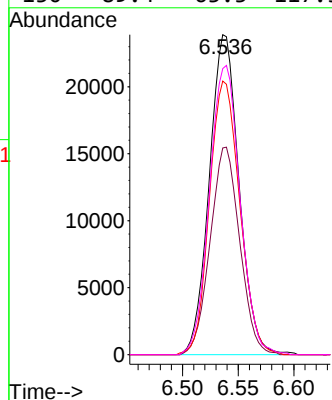
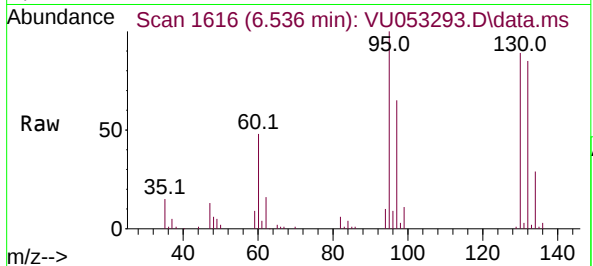




#34
Trichloroethene
Concen: 42.990 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

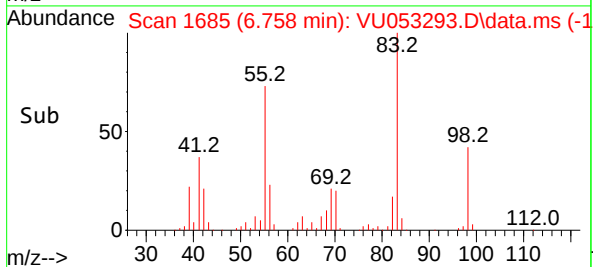
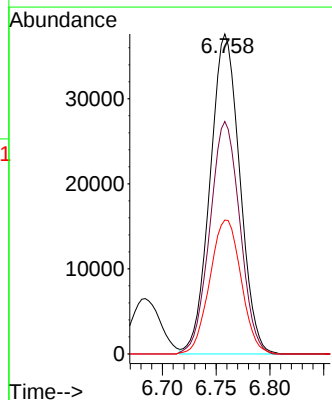
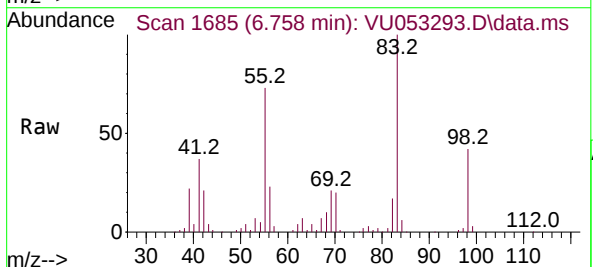
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

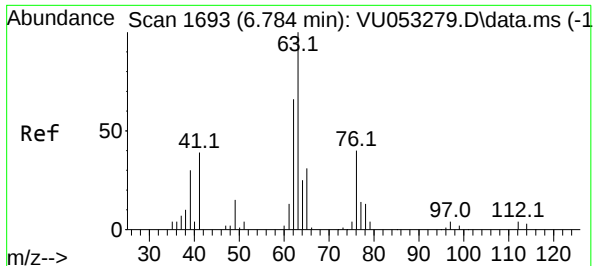
Tgt Ion: 95 Resp: 44337
Ion Ratio Lower Upper
95 100
97 64.6 43.8 81.3
132 85.5 61.5 114.3
130 89.4 63.3 117.5



#35
Methylcyclohexane
Concen: 40.006 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion: 83 Resp: 72323
Ion Ratio Lower Upper
83 100
55 73.5 58.2 87.4
98 44.1 35.4 53.2





#37

1,2-Dichloropropane

Concen: 45.353 ug/L

RT: 6.787 min Scan# 1694

Delta R.T. 0.003 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

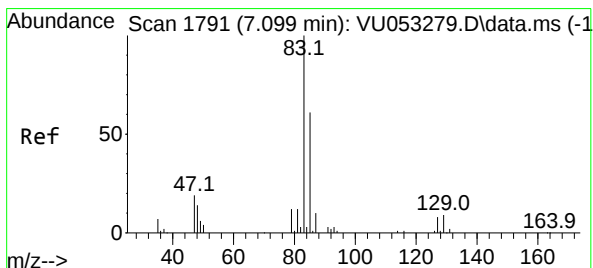
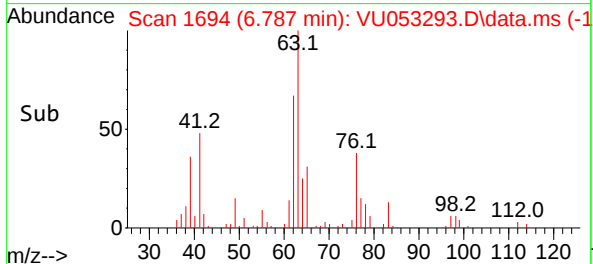
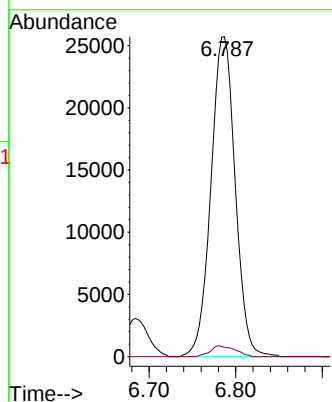
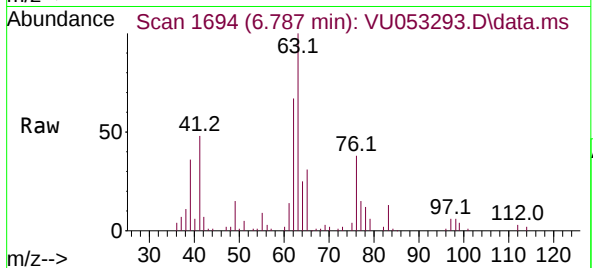
EYFB8MSD

Tgt Ion: 63 Resp: 50048

Ion Ratio Lower Upper

63 100

112 3.4 2.6 3.8



#38

Bromodichloromethane

Concen: 44.375 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

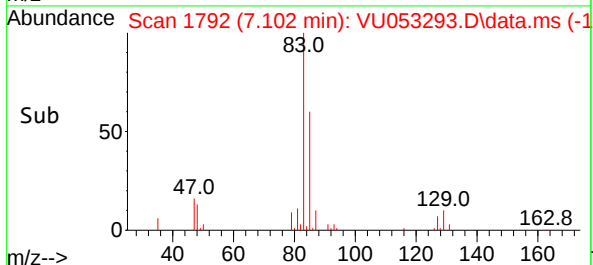
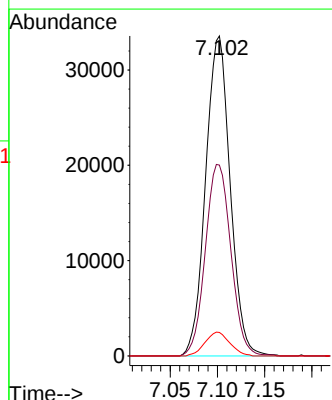
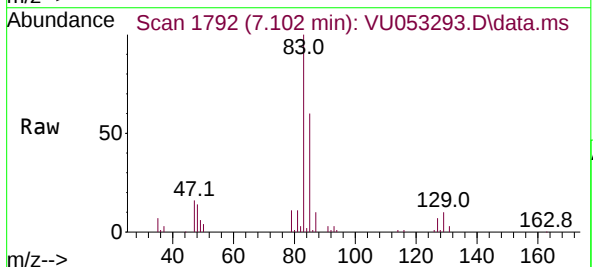
Tgt Ion: 83 Resp: 60940

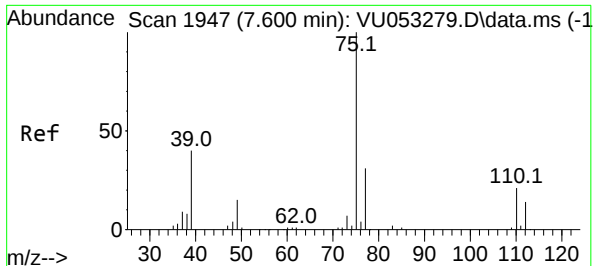
Ion Ratio Lower Upper

83 100

85 59.6 45.4 84.2

127 7.3 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 43.796 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

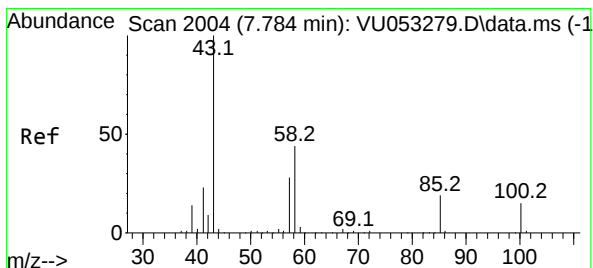
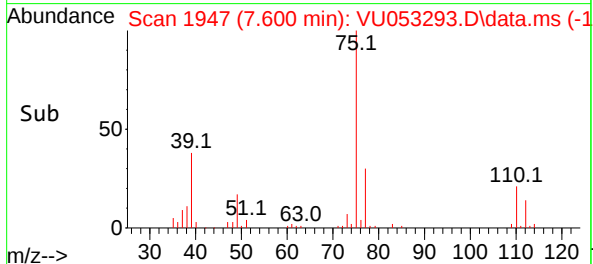
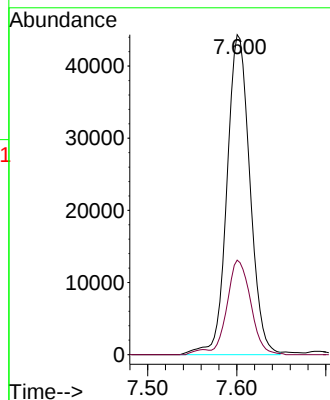
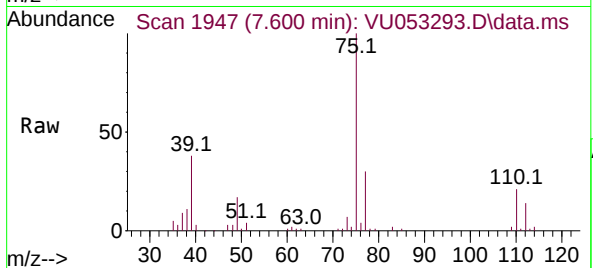
EYFB8MSD

Tgt Ion: 75 Resp: 79404

Ion Ratio Lower Upper

75 100

77 29.5 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 106.611 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

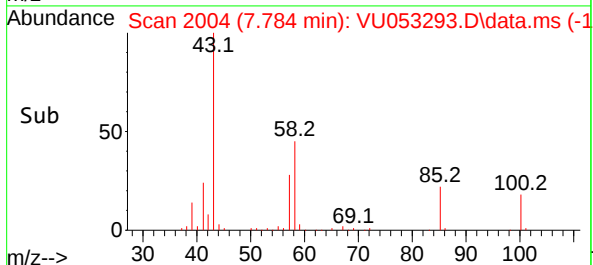
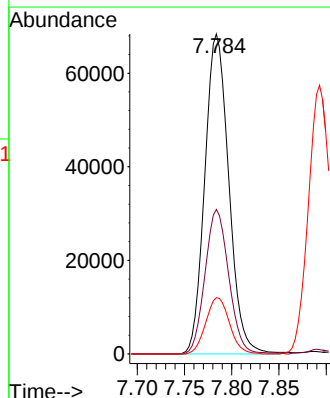
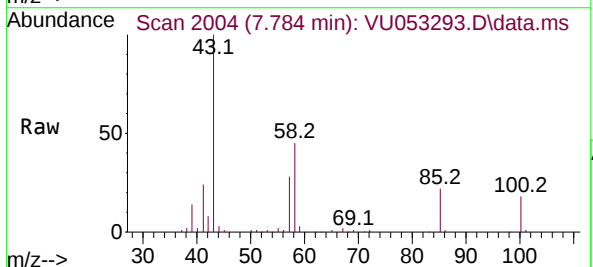
Tgt Ion: 43 Resp: 120923

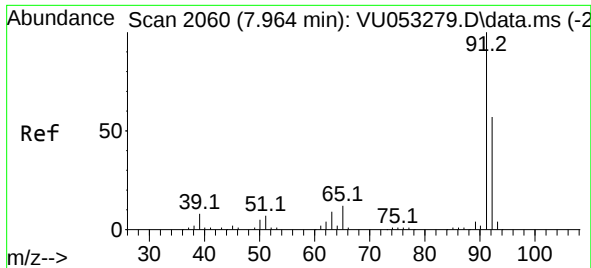
Ion Ratio Lower Upper

43 100

58 44.6 35.8 53.6

100 17.3 13.0 19.6





#42

Toluene

Concen: 44.109 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

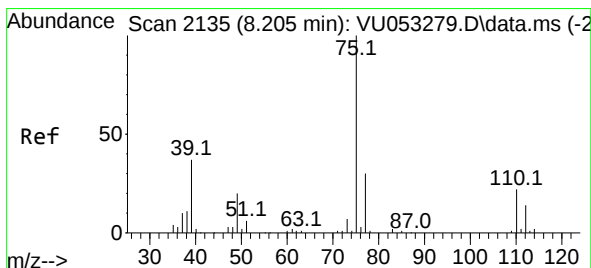
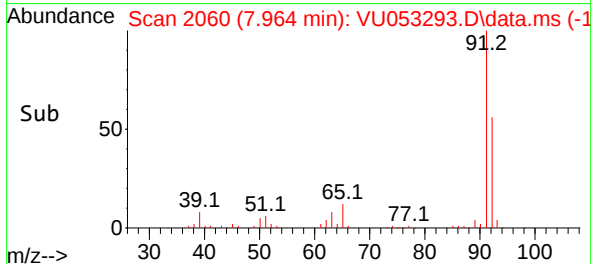
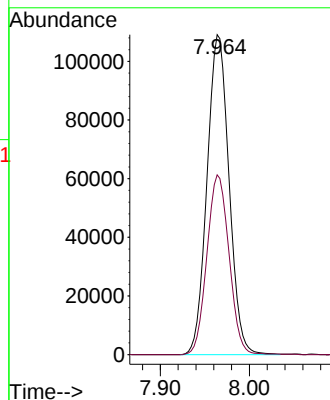
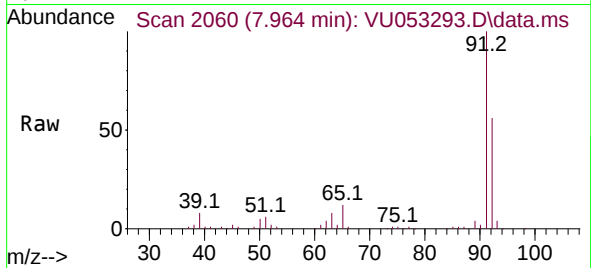
EYFB8MSD

Tgt Ion: 91 Resp: 187565

Ion Ratio Lower Upper

91 100

92 56.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 43.808 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053293.D

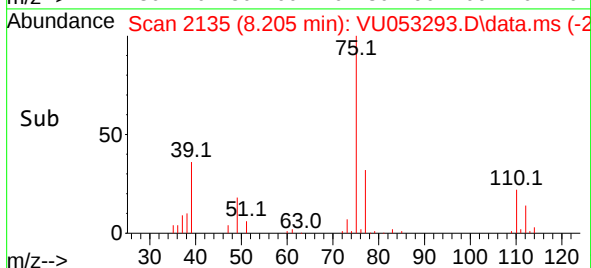
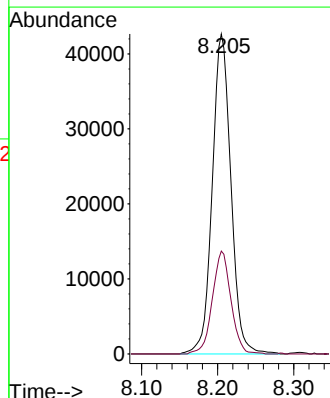
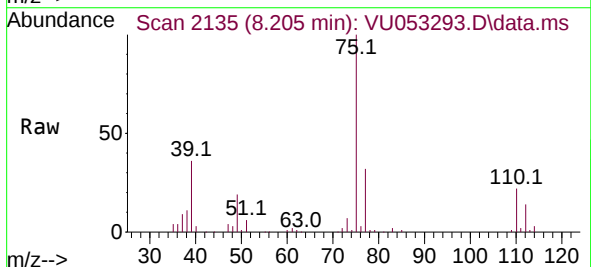
Acq: 18 Mar 2023 02:19

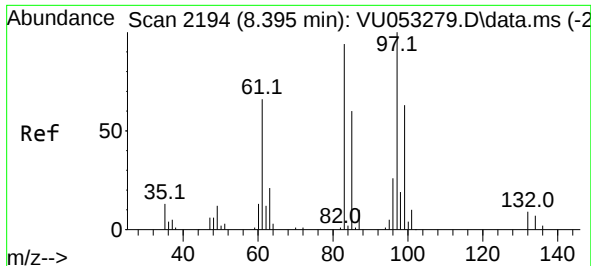
Tgt Ion: 75 Resp: 72602

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8



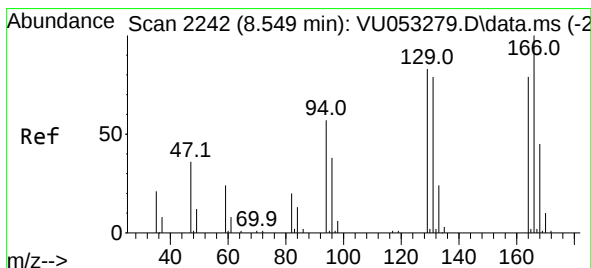
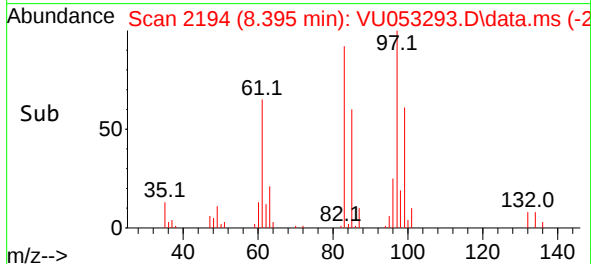
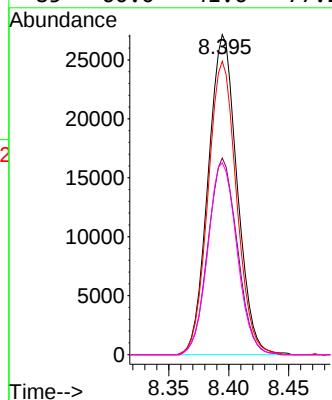
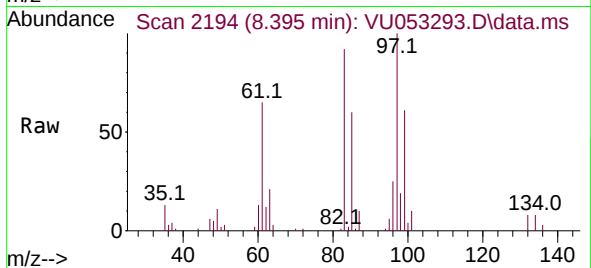


#45
1,1,2-Trichloroethane
Concen: 45.329 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

Tgt Ion: 97 Resp: 45548

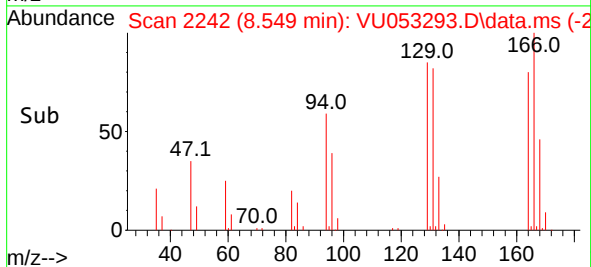
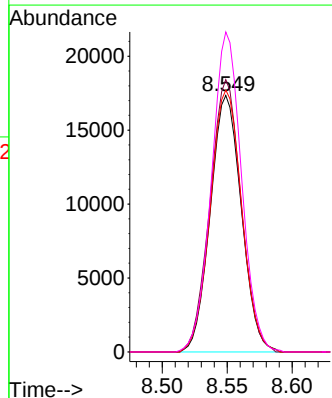
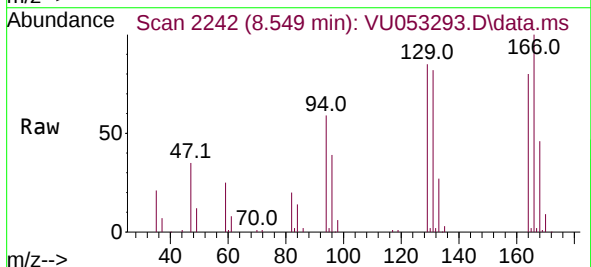
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.4	82.4
83	91.7	63.8	118.6
85	60.0	41.6	77.2

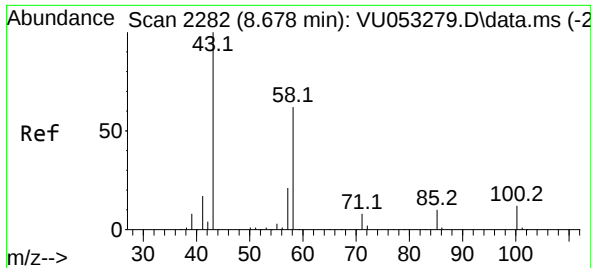


#46
Tetrachloroethene
Concen: 42.945 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion: 164 Resp: 28815

Ion	Ratio	Lower	Upper
164	100		
129	106.2	73.6	136.8
131	102.1	70.3	130.7
166	124.8	88.9	165.1

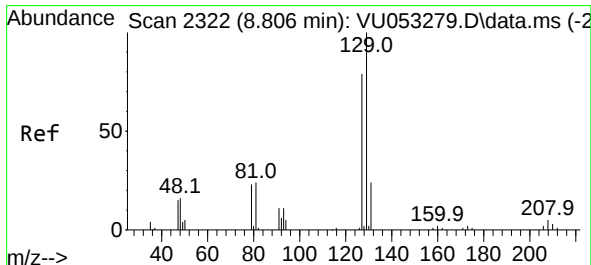
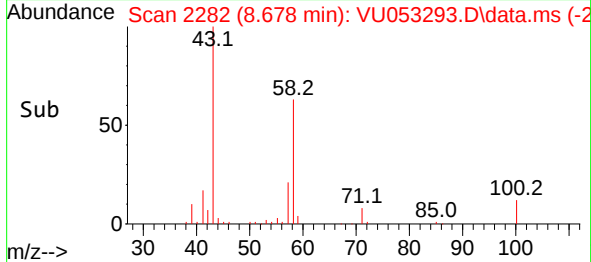
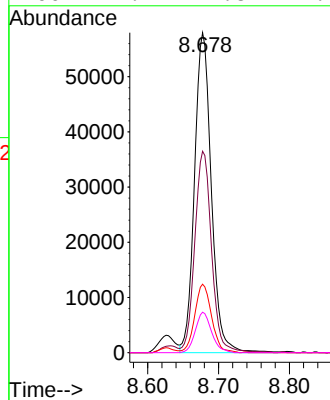
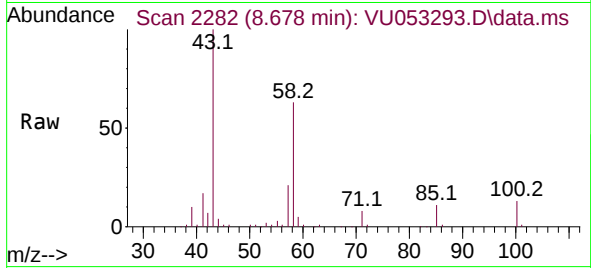




#48
2-Hexanone
Concen: 100.639 ug/L
RT: 8.678 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

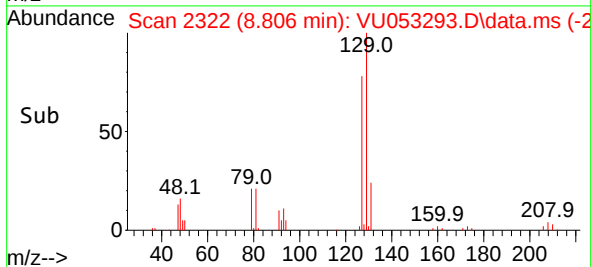
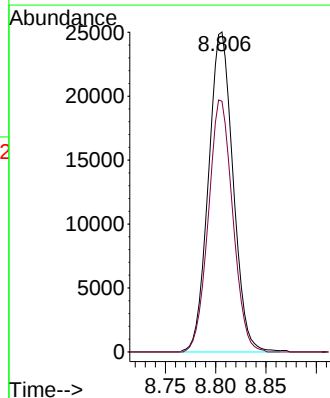
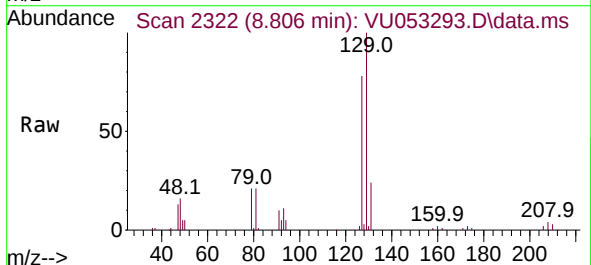
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

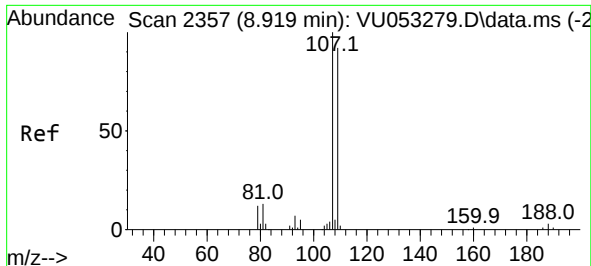
Tgt Ion:	43	Resp:	95588
Ion	Ratio	Lower	Upper
43	100		
58	61.7	49.4	74.0
57	21.4	16.9	25.3
100	12.1	9.8	14.8



#49
Dibromochloromethane
Concen: 41.417 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion:	129	Resp:	42572
Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.1	98.5





#50

1,2-Dibromoethane

Concen: 45.842 ug/L

RT: 8.919 min Scan# 2357

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

EYFB8MSD

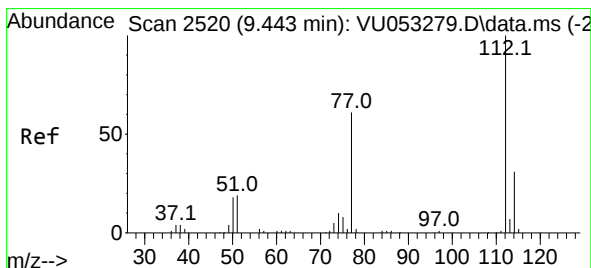
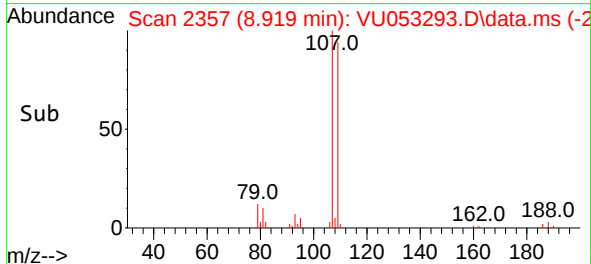
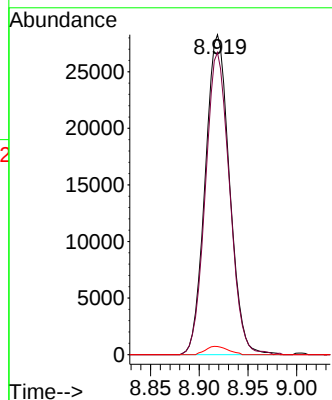
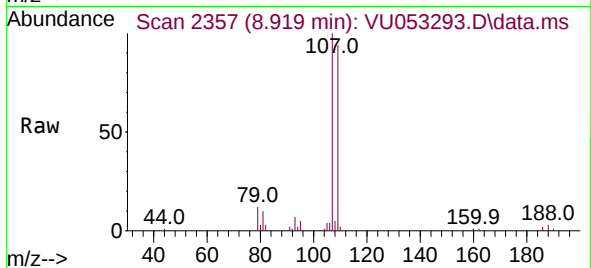
Tgt Ion:107 Resp: 49082

Ion Ratio Lower Upper

107 100

109 94.4 64.6 120.0

188 2.5 2.2 3.4



#51

Chlorobenzene

Concen: 44.773 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

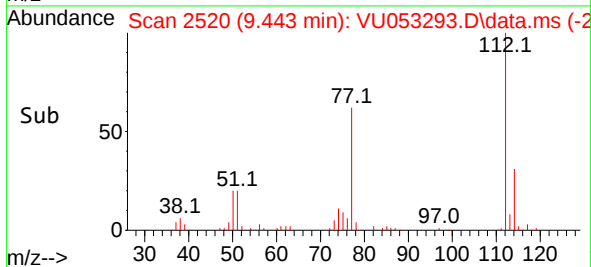
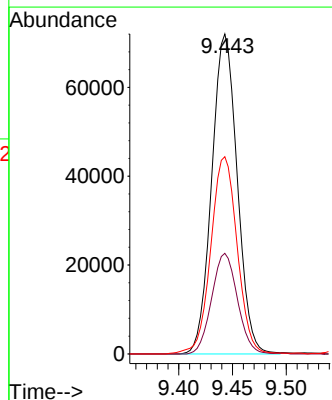
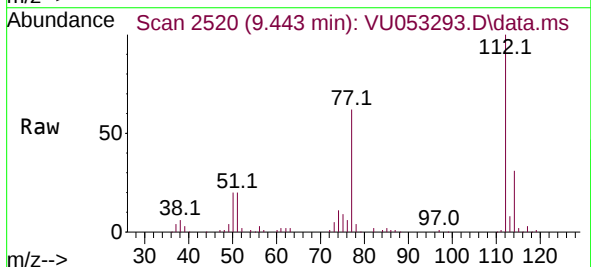
Tgt Ion:112 Resp: 118660

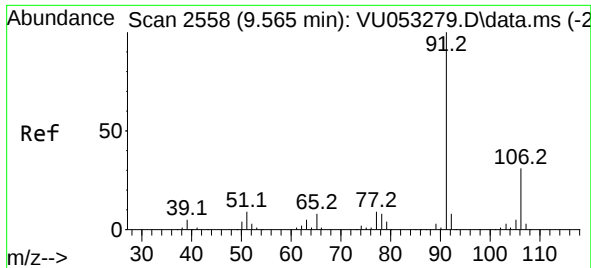
Ion Ratio Lower Upper

112 100

114 31.4 21.8 40.6

77 61.6 48.8 73.2

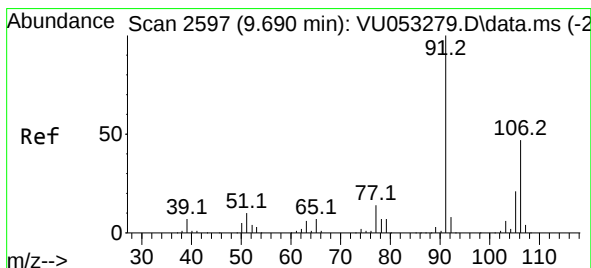
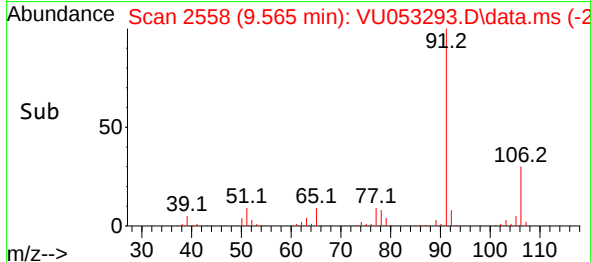
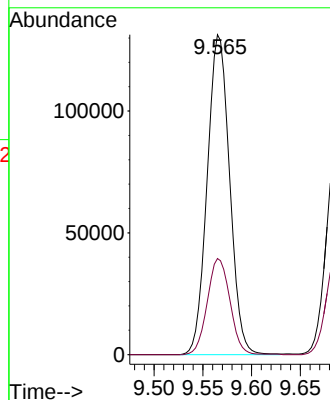
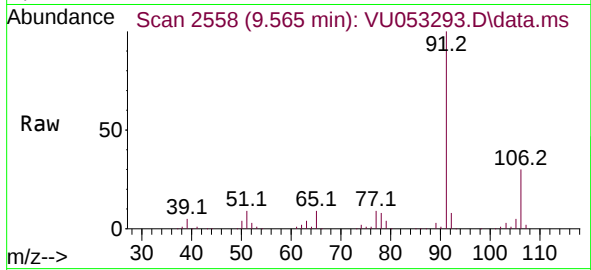




#52
Ethylbenzene
Concen: 43.596 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

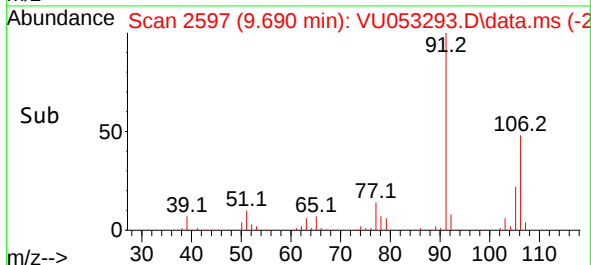
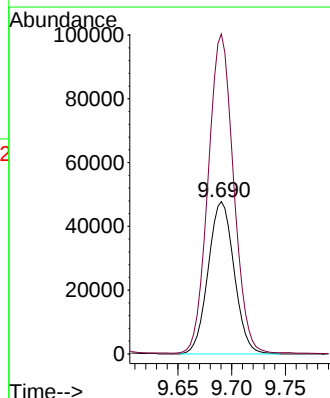
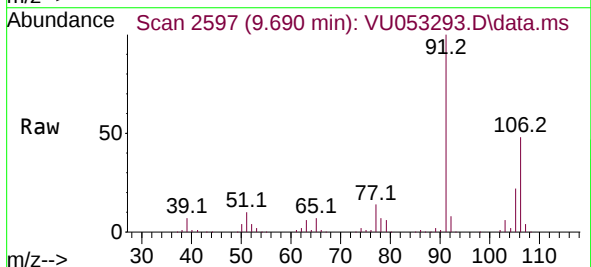
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

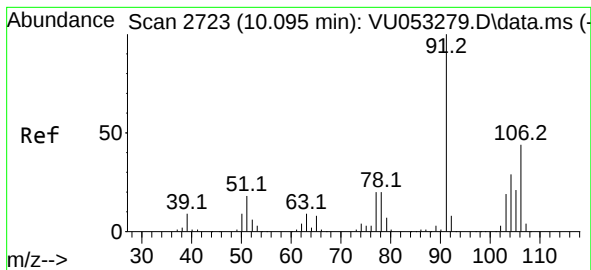
Tgt Ion: 91 Resp: 210227
Ion Ratio Lower Upper
91 100
106 30.0 21.6 40.0



#53
m,p-Xylene
Concen: 44.559 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion: 106 Resp: 80199
Ion Ratio Lower Upper
106 100
91 210.2 145.3 269.8





#54

o-Xylene

Concen: 43.886 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

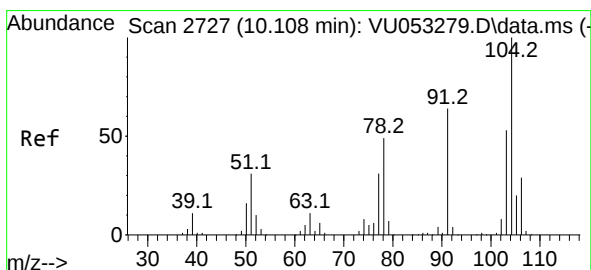
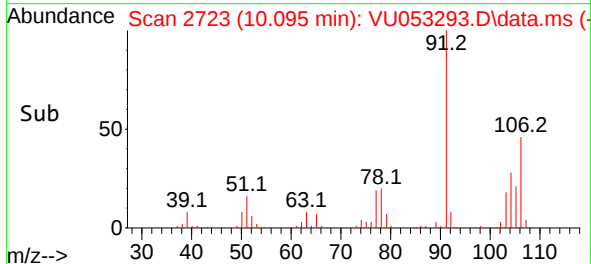
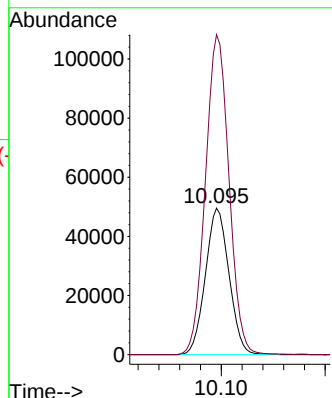
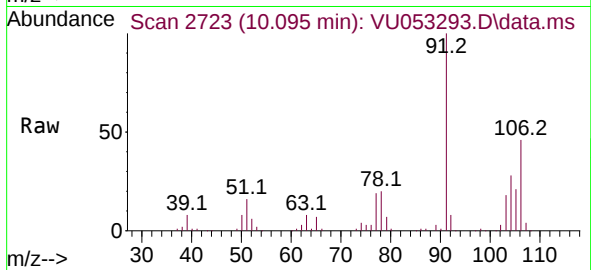
EYFB8MSD

Tgt Ion:106 Resp: 78122

Ion Ratio Lower Upper

106 100

91 218.4 154.9 287.7



#55

Styrene

Concen: 43.529 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU053293.D

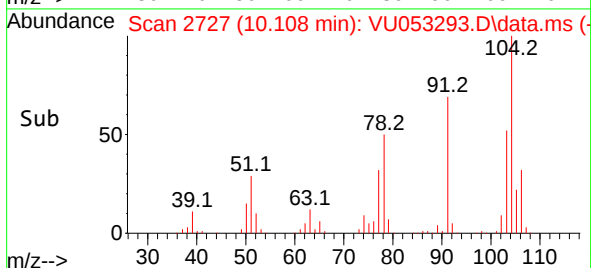
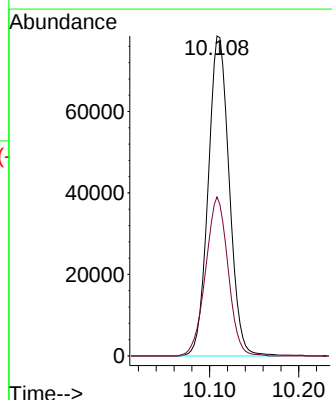
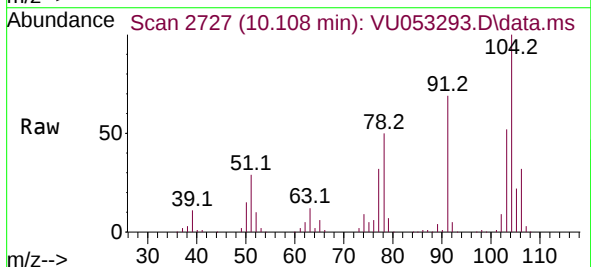
Acq: 18 Mar 2023 02:19

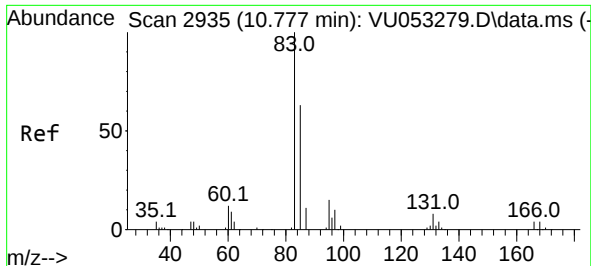
Tgt Ion:104 Resp: 129141

Ion Ratio Lower Upper

104 100

78 49.7 32.9 61.1

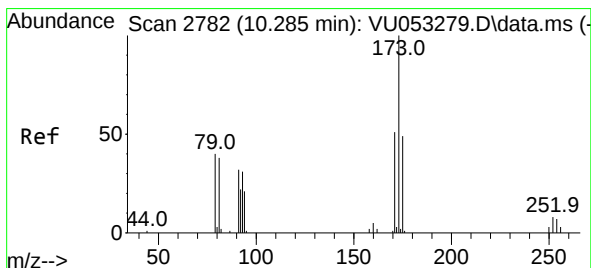
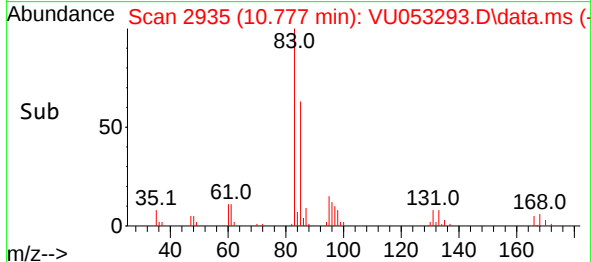
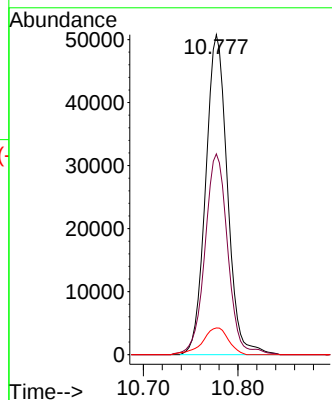
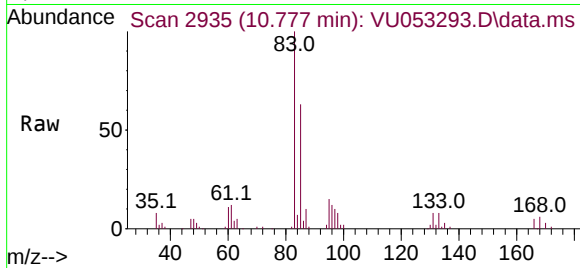




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.286 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU053293.D
 Acq: 18 Mar 2023 02:19

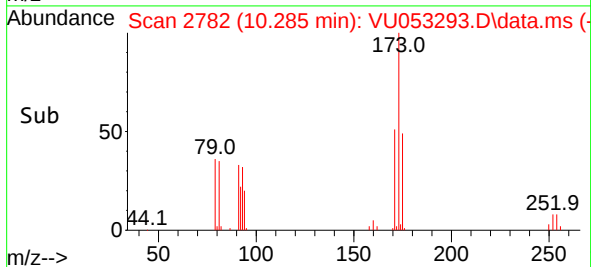
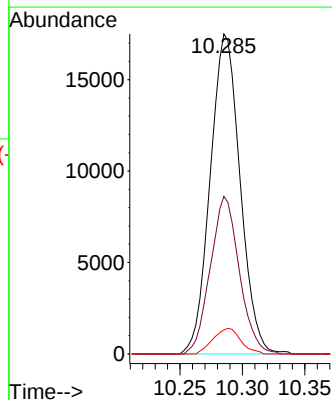
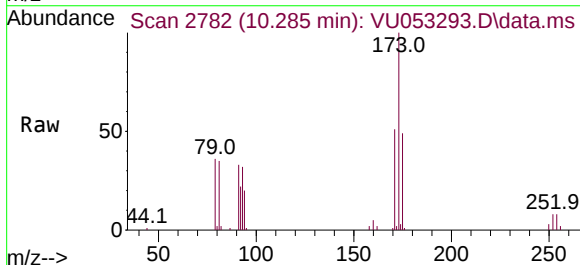
Instrument :
 MSVOA_U
 ClientSampleId :
 EYFB8MSD

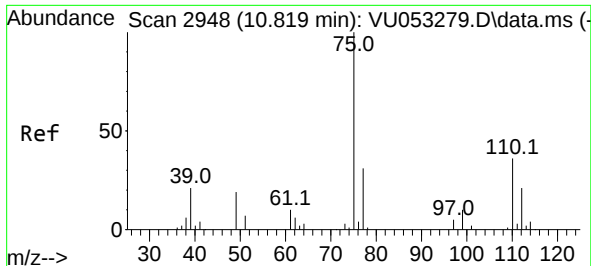
Tgt Ion: 83	Resp:	81195
Ion Ratio	Lower	Upper
83	100	
85	62.7	46.0 85.4
131	8.3	6.6 10.0



#59
 Bromoform
 Concen: 45.682 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.000 min
 Lab File: VU053293.D
 Acq: 18 Mar 2023 02:19

Tgt Ion: 173	Resp:	29097
Ion Ratio	Lower	Upper
173	100	
175	47.7	38.5 57.7
254	7.4	6.5 9.7

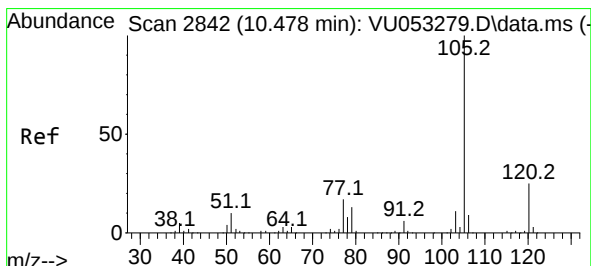
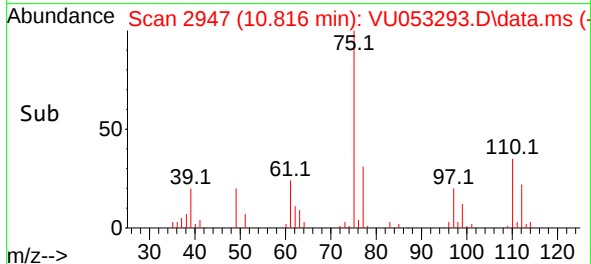
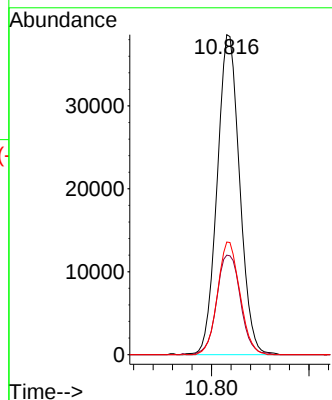
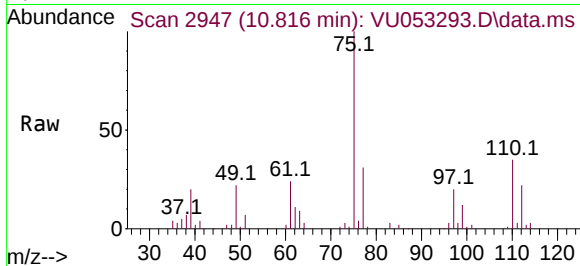




#60
1,2,3-Trichloropropane
Concen: 55.521 ug/L
RT: 10.816 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

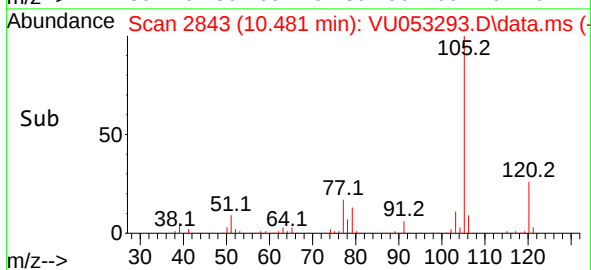
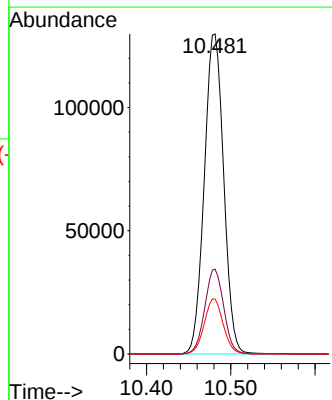
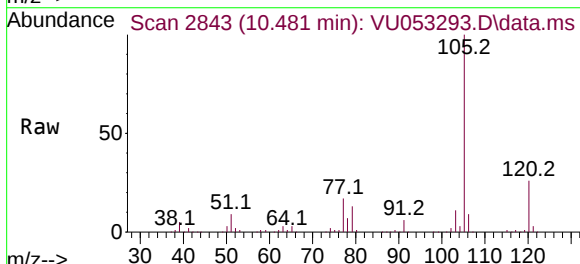
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

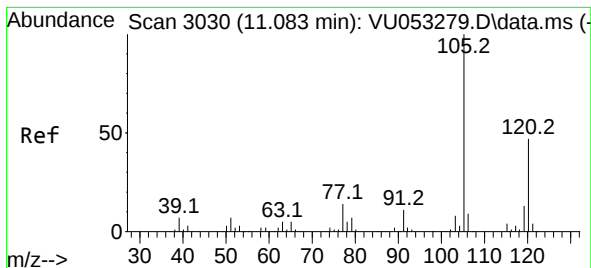
Tgt Ion:	75	Resp:	61751
Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.6	40.0
110	35.0	28.6	42.8



#61
Isopropylbenzene
Concen: 46.742 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion:	105	Resp:	206709
Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.4	30.6
77	16.8	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 46.049 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

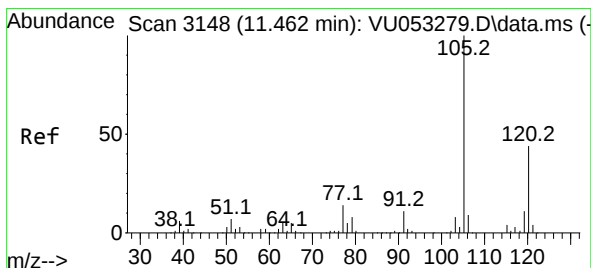
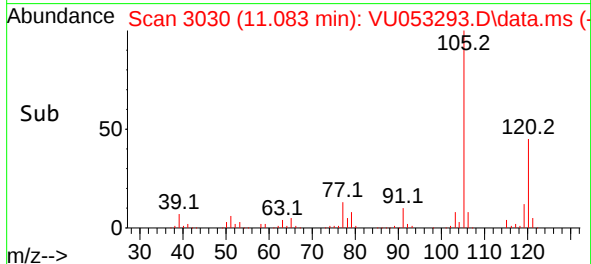
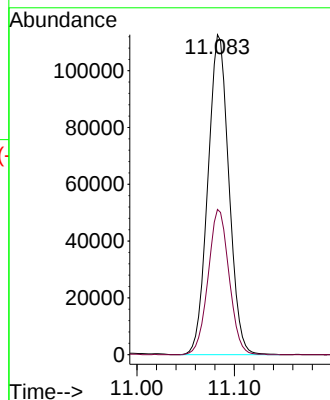
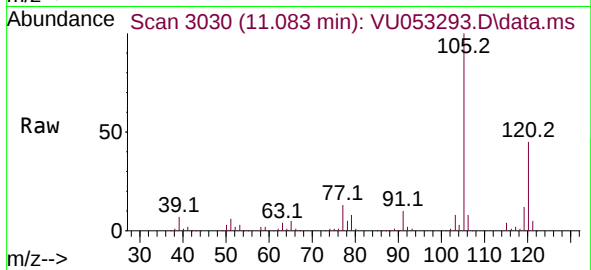
EYFB8MSD

Tgt Ion:105 Resp: 168569

Ion Ratio Lower Upper

105 100

120 45.3 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 45.468 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053293.D

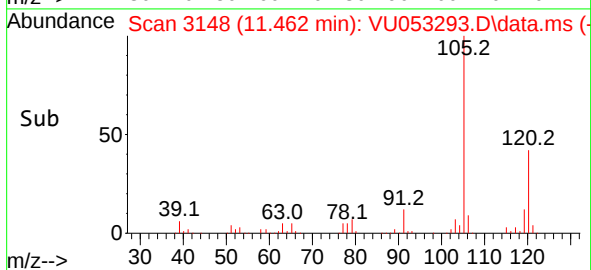
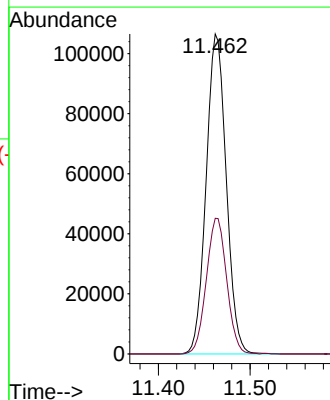
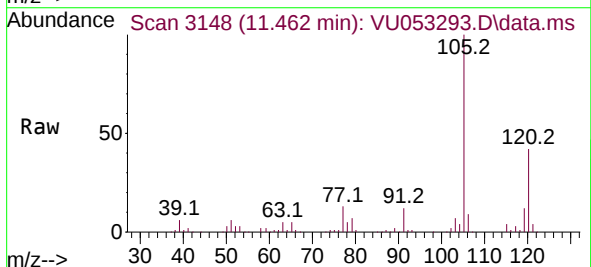
Acq: 18 Mar 2023 02:19

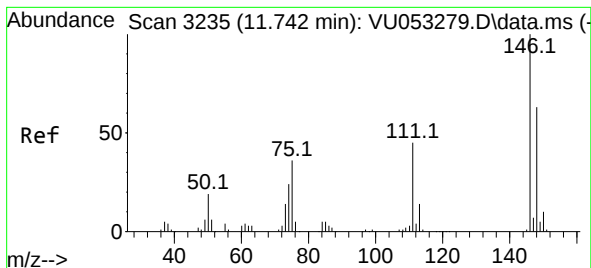
Tgt Ion:105 Resp: 162234

Ion Ratio Lower Upper

105 100

120 42.9 34.6 52.0





#64

1,3-Dichlorobenzene

Concen: 45.890 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

EYFB8MSD

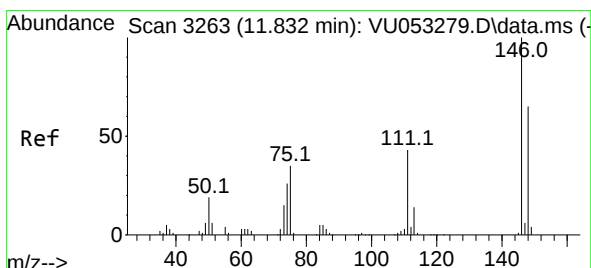
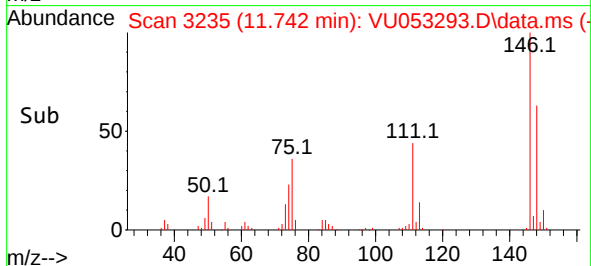
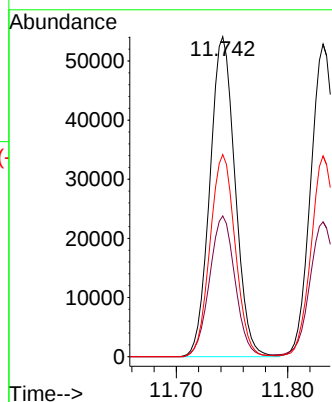
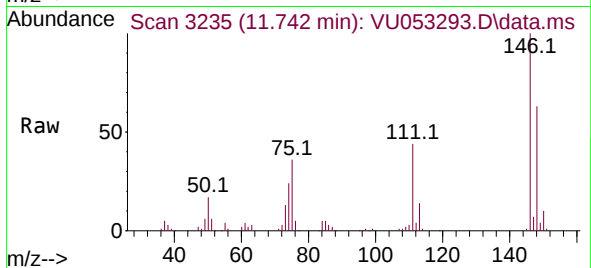
Tgt Ion:146 Resp: 85111

Ion Ratio Lower Upper

146 100

111 44.0 30.2 56.0

148 63.1 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 45.381 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

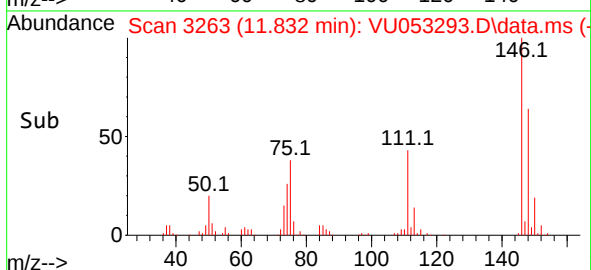
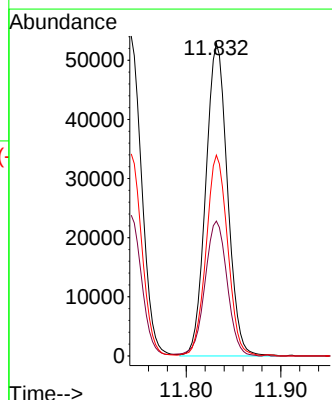
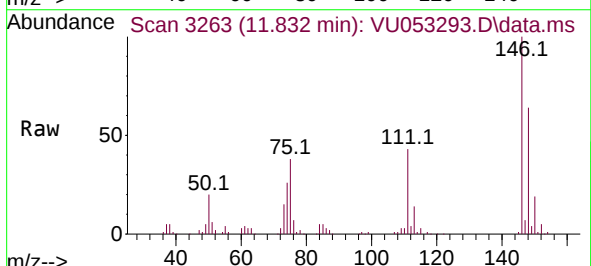
Tgt Ion:146 Resp: 84495

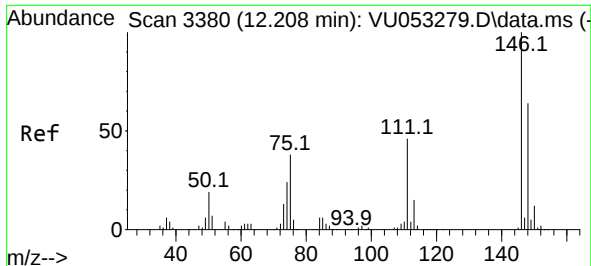
Ion Ratio Lower Upper

146 100

111 43.1 30.7 57.1

148 64.2 45.6 84.8

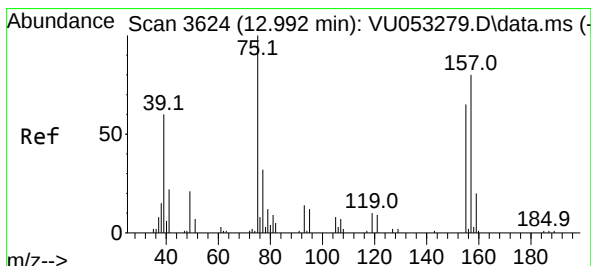
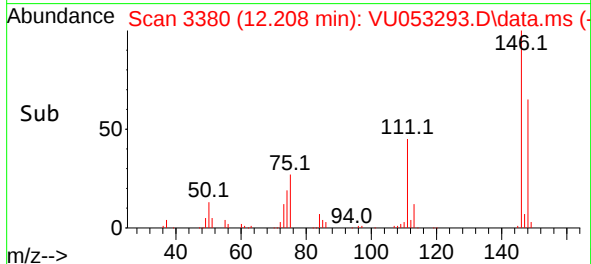
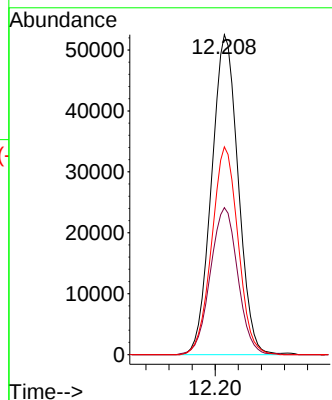
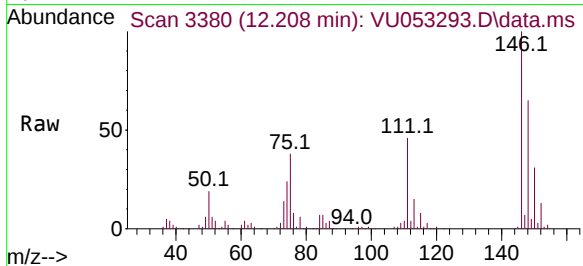




#67
1,2-Dichlorobenzene
Concen: 45.232 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

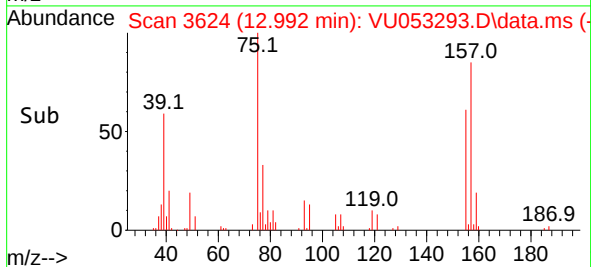
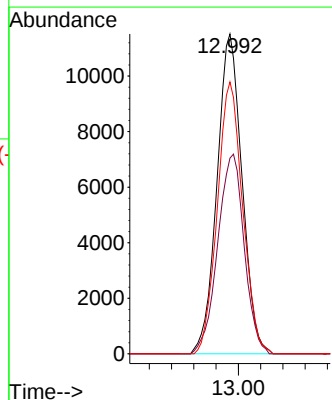
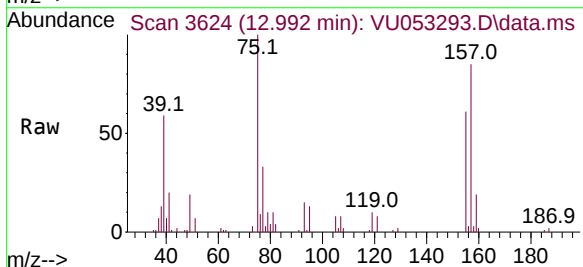
Instrument :
MSVOA_U
ClientSampleId :
EYFB8MSD

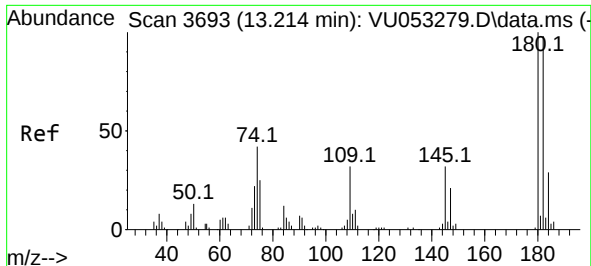
Tgt Ion:146 Resp: 83849
Ion Ratio Lower Upper
146 100
111 45.9 37.0 55.4
148 64.9 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 58.400 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU053293.D
Acq: 18 Mar 2023 02:19

Tgt Ion: 75 Resp: 17961
Ion Ratio Lower Upper
75 100
155 61.2 60.2 90.4
157 85.0 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 43.430 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

EYFB8MSD

Tgt Ion:180 Resp: 51069

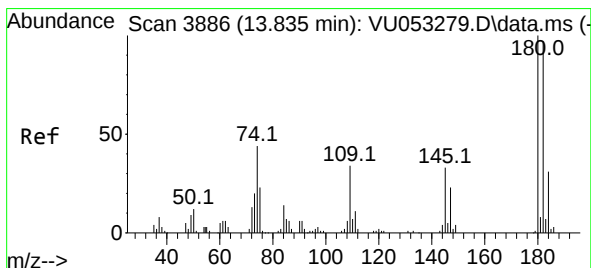
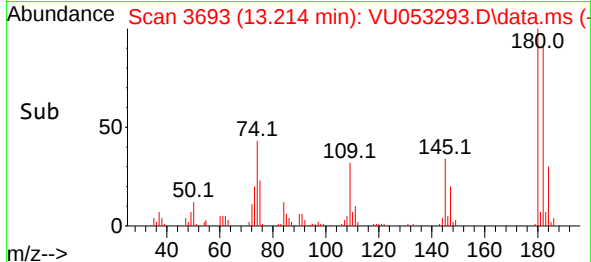
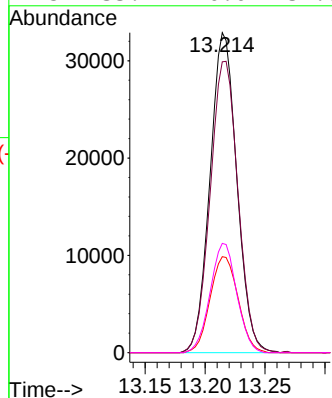
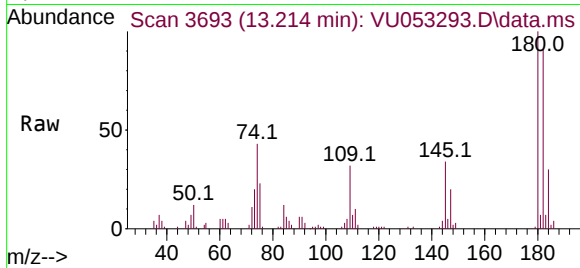
Ion Ratio Lower Upper

180 100

182 94.5 74.5 111.7

184 31.3 23.2 34.8

145 33.9 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 46.542 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

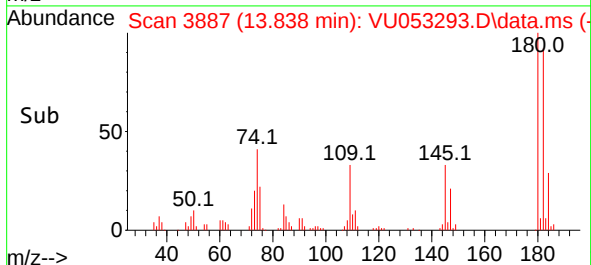
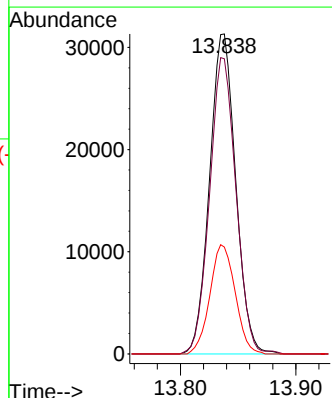
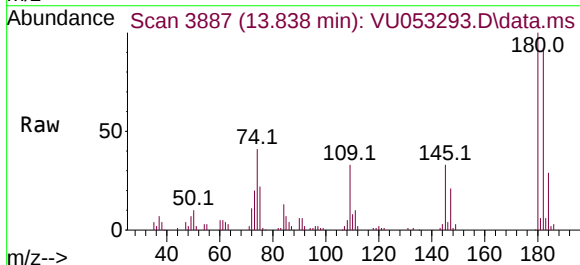
Tgt Ion:180 Resp: 49175

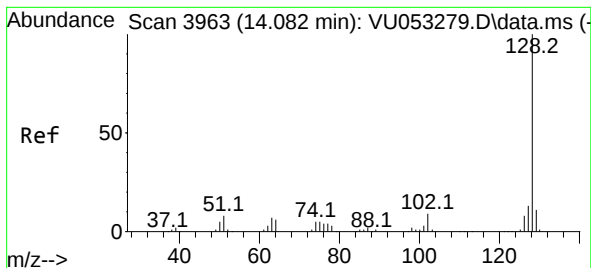
Ion Ratio Lower Upper

180 100

182 93.1 75.8 113.8

145 33.1 27.2 40.8





#71

Naphthalene

Concen: 57.974 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

EYFB8MSD

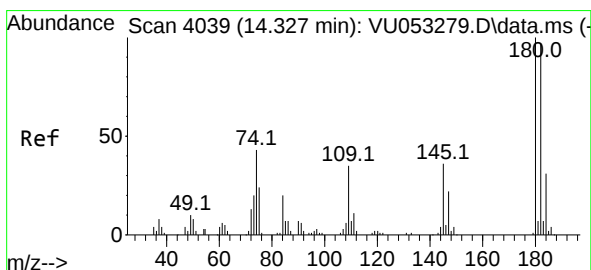
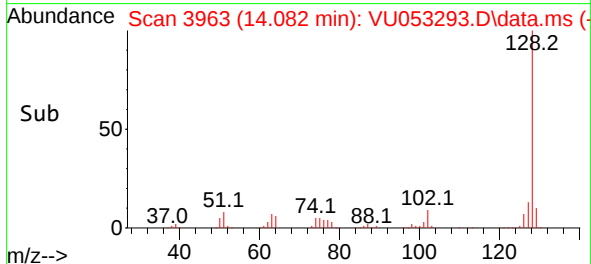
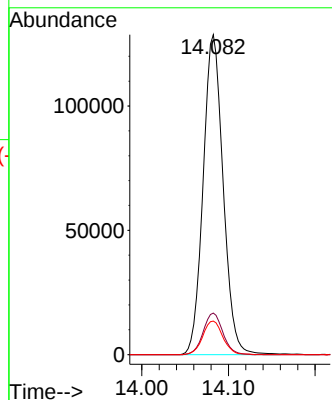
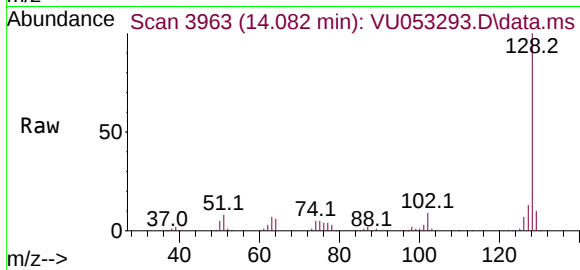
Tgt Ion:128 Resp: 206455

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

129 10.6 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 48.563 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU053293.D

Acq: 18 Mar 2023 02:19

Tgt Ion:180 Resp: 48659

Ion Ratio Lower Upper

180 100

182 96.0 76.7 115.1

145 35.4 28.6 42.8

