

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032023\
 Data File : VU053312.D
 Acq On : 20 Mar 2023 17:31
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.2mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050168

Quant Time: Mar 21 01:32:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 21 01:25:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	113503	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	110170	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	55936	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	28414	27.135	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	54.280%#
7) Chloroethane-d5	1.912	69	36085	42.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.568	63	64164	35.372	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.740%
21) 2-Butanone-d5	4.616	46	57890	119.198	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.200%
24) Chloroform-d	5.057	84	78751	45.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.320%
26) 1,2-Dichloroethane-d4	5.697	65	50923	47.543	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.080%
32) Benzene-d6	5.722	84	151832	42.490	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.980%
36) 1,2-Dichloropropane-d6	6.684	67	53471	46.364	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.720%
41) Toluene-d8	7.893	98	141009	42.384	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.760%
43) trans-1,3-Dichloroprop...	8.172	79	25425	44.682	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.360%
47) 2-Hexanone-d5	8.626	63	42397	117.585	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.590%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	81264	54.393	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.780%
66) 1,2-Dichlorobenzene-d4	12.188	152	53878	49.745	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	47593	40.171	ug/L	100
3) Chloromethane	1.520	50	45365	41.555	ug/L	97
5) Vinyl chloride	1.604	62	48934	40.976	ug/L	99
6) Bromomethane	1.858	94	31276	43.569	ug/L	94
8) Chloroethane	1.932	64	33634	47.680	ug/L	97
9) Trichlorofluoromethane	2.137	101	63556	42.655	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	36687	40.703	ug/L	100
12) 1,1-Dichloroethene	2.578	96	33678	40.403	ug/L	96
13) Acetone	2.633	43	50463	91.232	ug/L	96
14) Carbon disulfide	2.793	76	98901	39.173	ug/L	98
15) Methyl Acetate	2.948	43	36955	48.743	ug/L	99
16) Methylene chloride	3.044	84	42477	42.005	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	35568	42.054	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	124218	43.678	ug/L	99
19) 1,1-Dichloroethane	3.864	63	76668	44.408	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	41459	41.735	ug/L	98
22) 2-Butanone	4.700	43	61768	98.019	ug/L	99
23) Bromochloromethane	4.970	128	19592	41.363	ug/L	91
25) Chloroform	5.083	83	75492	43.698	ug/L	100

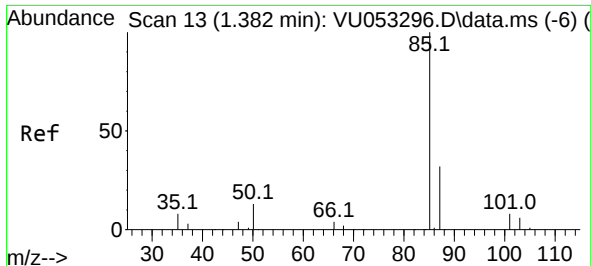
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032023\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	62334	45.707	ug/L #	95
29) Cyclohexane	5.385	56	66538	40.533	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	62643	41.715	ug/L	97
31) Carbon tetrachloride	5.520	117	52464	42.644	ug/L	99
33) Benzene	5.767	78	226049	59.183	ug/L	100
34) Trichloroethene	6.536	95	42463	42.637	ug/L	97
35) Methylcyclohexane	6.758	83	71923	41.200	ug/L	99
37) 1,2-Dichloropropane	6.787	63	47445	44.523	ug/L	100
38) Bromodichloromethane	7.099	83	57618	43.448	ug/L	97
39) cis-1,3-Dichloropropene	7.600	75	76644	43.778	ug/L	98
40) 4-Methyl-2-pentanone	7.783	43	107352	98.012	ug/L	99
42) Toluene	7.963	91	183285	44.636	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	71928	44.944	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	43811	45.151	ug/L	97
46) Tetrachloroethene	8.549	164	27298	42.131	ug/L	95
48) 2-Hexanone	8.677	43	90251	98.399	ug/L	98
49) Dibromochloromethane	8.803	129	40732	41.037	ug/L	97
50) 1,2-Dibromoethane	8.918	107	45963	44.455	ug/L	99
51) Chlorobenzene	9.443	112	116752	45.620	ug/L	98
52) Ethylbenzene	9.565	91	206978	44.448	ug/L	99
53) m,p-Xylene	9.690	106	76598	44.072	ug/L	99
54) o-Xylene	10.095	106	74756	43.489	ug/L	99
55) Styrene	10.108	104	131601	45.936	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	75842	47.674	ug/L	99
59) Bromoform	10.285	173	27440	43.107	ug/L	99
60) 1,2,3-Trichloropropane	10.815	75	58106	52.277	ug/L	97
61) Isopropylbenzene	10.478	105	201089	45.500	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	163803	44.775	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	159262	44.663	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	82062	44.273	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	82914	44.559	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	82508	44.537	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	15824	51.484	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	50738	43.176	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	46971	44.484	ug/L	99
71) Naphthalene	14.079	128	169007	47.488	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	45828	45.766	ug/L	99

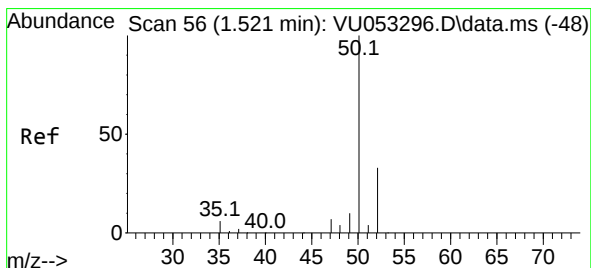
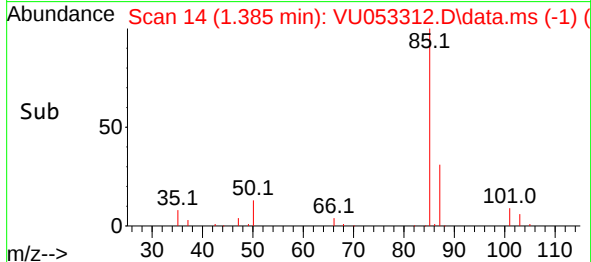
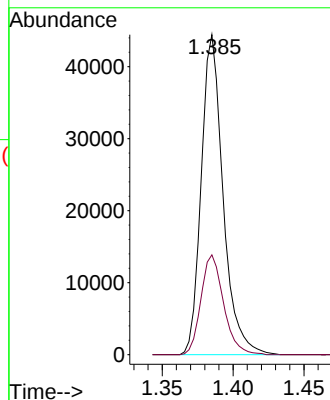
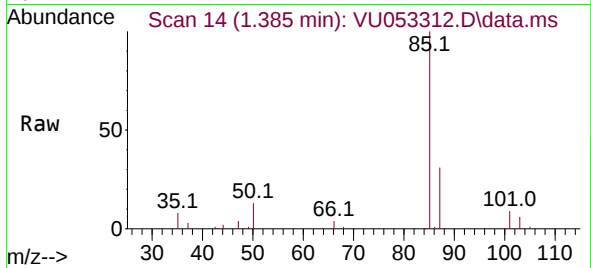
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#2
Dichlorodifluoromethane
Concen: 40.171 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

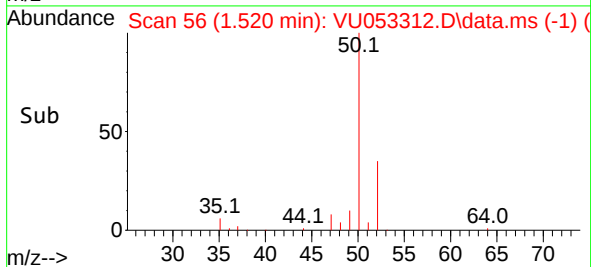
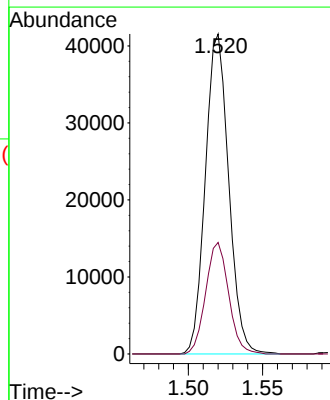
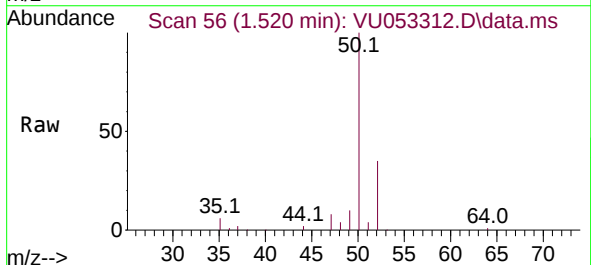
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

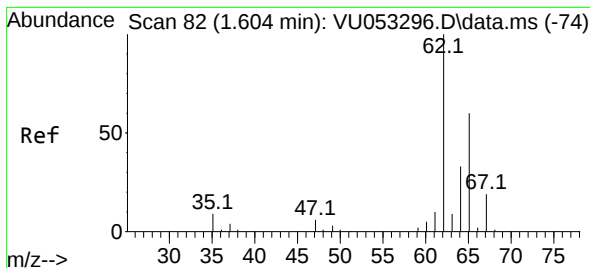
Tgt Ion: 85 Resp: 47593
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 41.555 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion: 50 Resp: 45365
Ion Ratio Lower Upper
50 100
52 34.8 23.4 43.4





#5

Vinyl chloride

Concen: 40.976 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

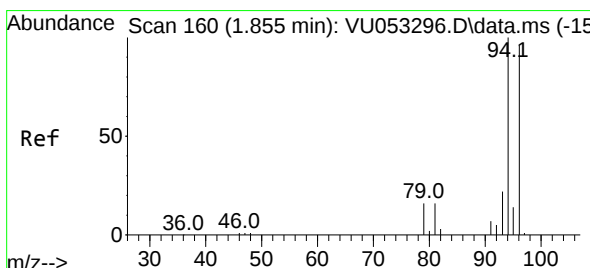
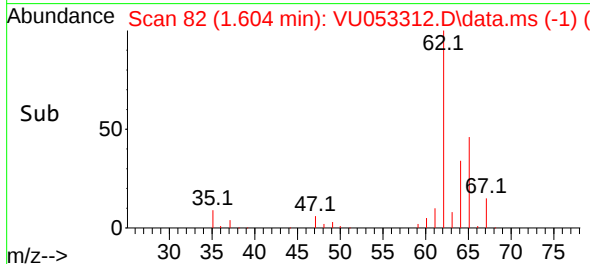
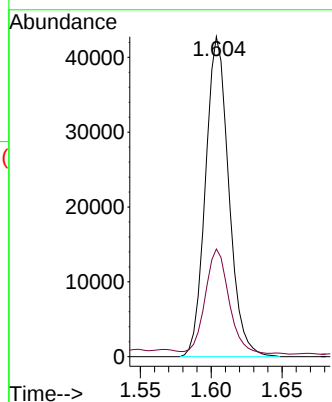
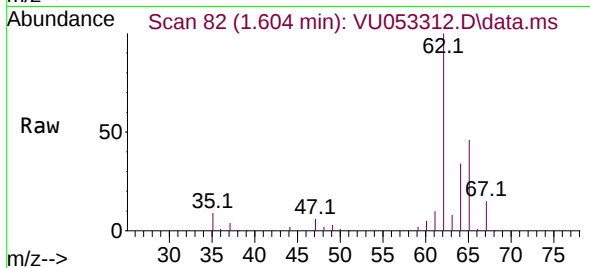
VSTD050168

Tgt Ion: 62 Resp: 48934

Ion Ratio Lower Upper

62 100

64 33.7 23.2 43.0



#6

Bromomethane

Concen: 43.569 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.003 min

Lab File: VU053312.D

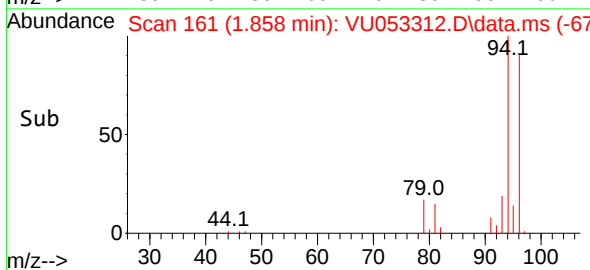
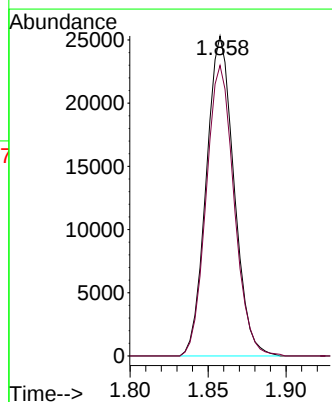
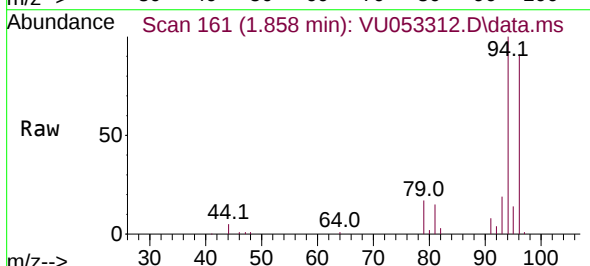
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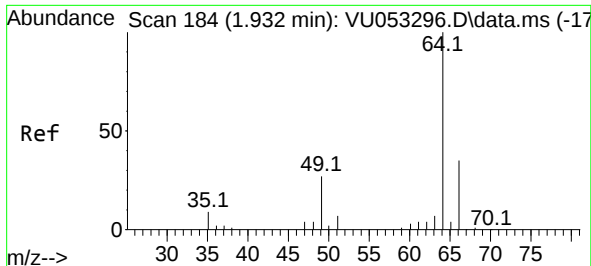
Tgt Ion: 94 Resp: 31276

Ion Ratio Lower Upper

94 100

96 90.8 67.5 125.3

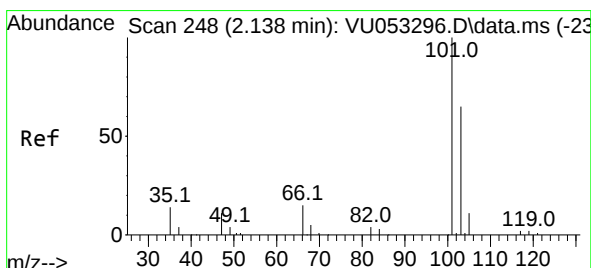
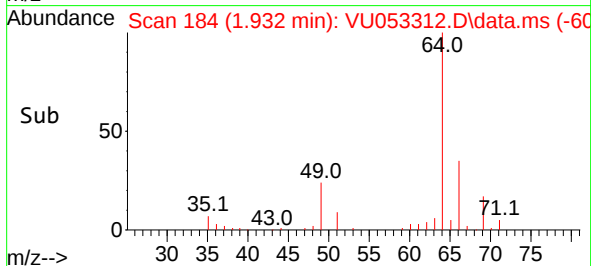
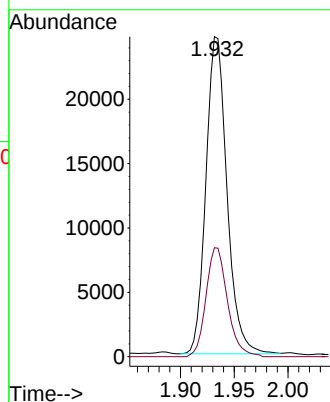
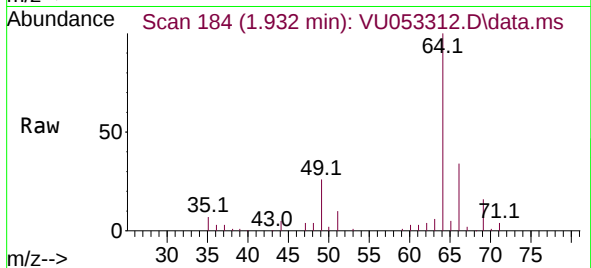




#8
Chloroethane
Concen: 47.680 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

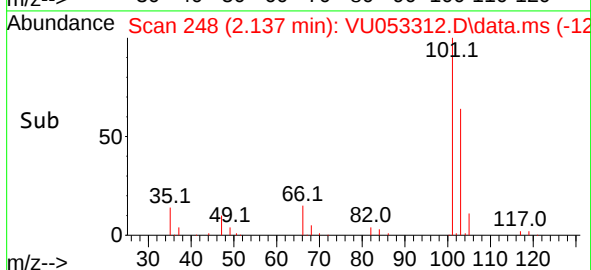
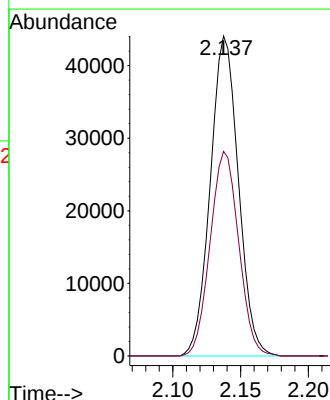
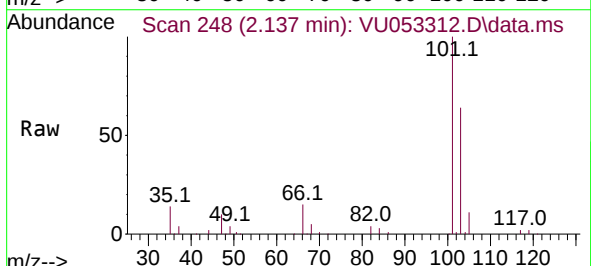
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

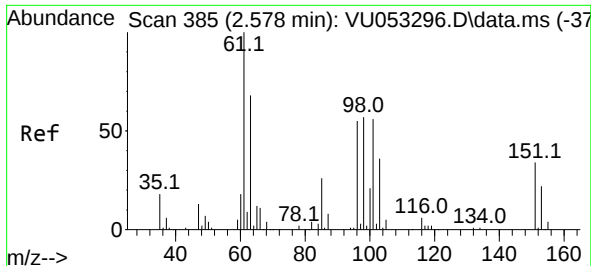
Tgt Ion: 64 Resp: 33634
Ion Ratio Lower Upper
64 100
66 34.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 42.655 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion:101 Resp: 63556
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

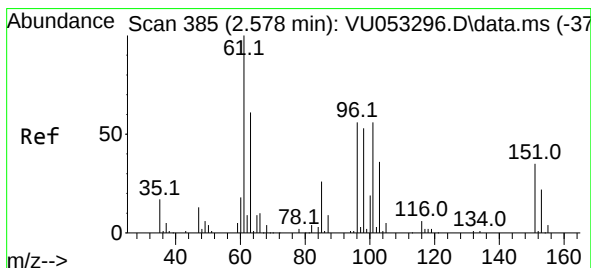
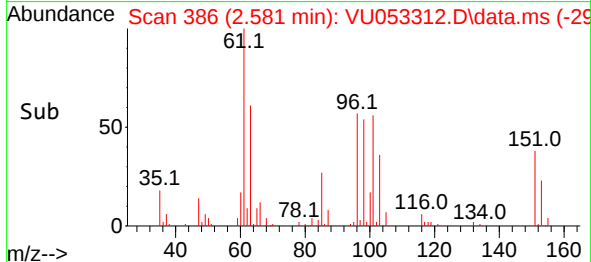
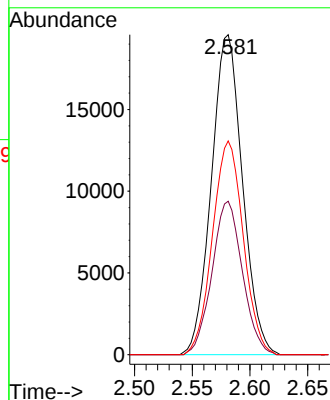
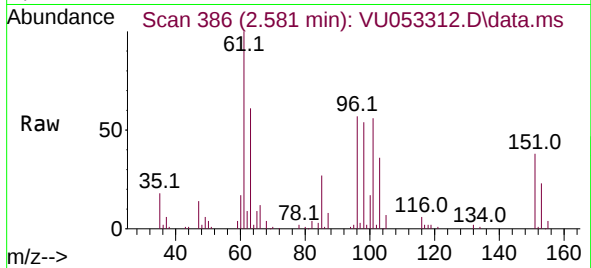




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 40.703 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053312.D
 Acq: 20 Mar 2023 17:31

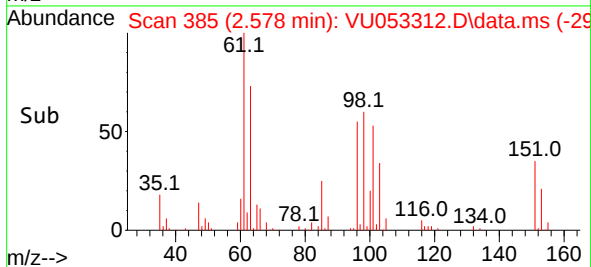
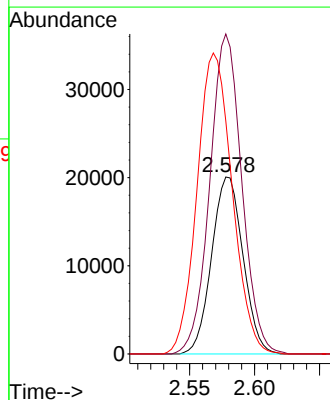
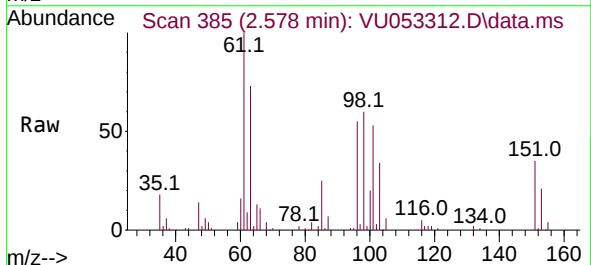
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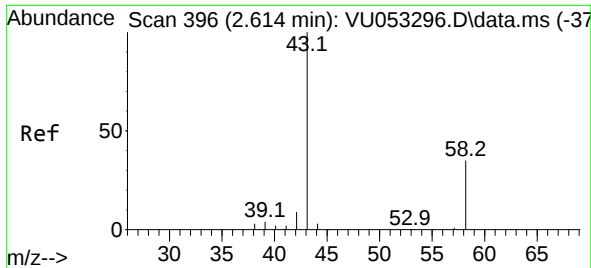
Tgt Ion:101 Resp: 36687
 Ion Ratio Lower Upper
 101 100
 85 46.8 37.0 55.6
 151 66.1 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 40.403 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.001 min
 Lab File: VU053312.D
 Acq: 20 Mar 2023 17:31

Tgt Ion: 96 Resp: 33678
 Ion Ratio Lower Upper
 96 100
 61 180.8 122.2 226.9
 63 131.7 89.9 166.9





#13

Acetone

Concen: 91.232 ug/L

RT: 2.633 min Scan# 402

Delta R.T. 0.019 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

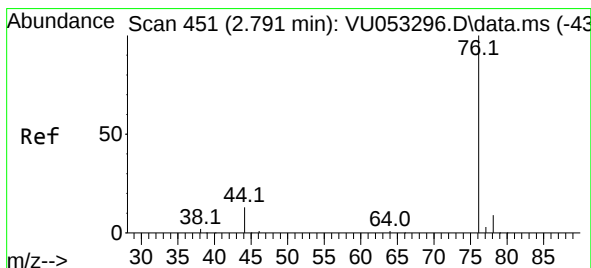
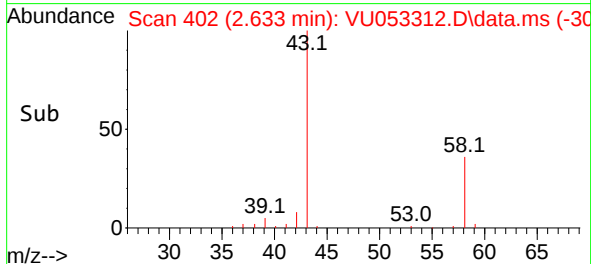
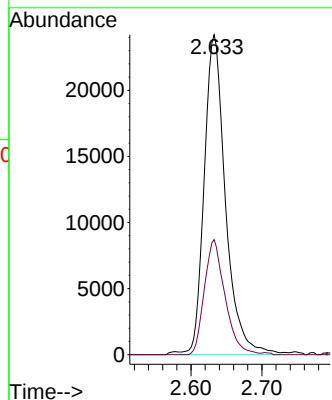
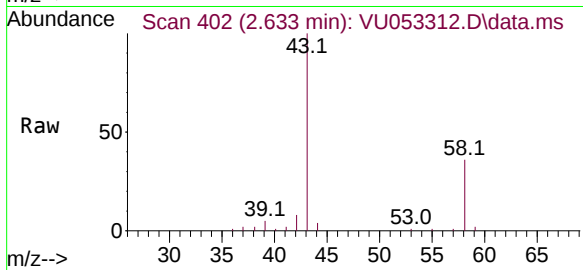
VSTD050168

Tgt Ion: 43 Resp: 50463

Ion Ratio Lower Upper

43 100

58 34.8 0.0 75.0



#14

Carbon disulfide

Concen: 39.173 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU053312.D

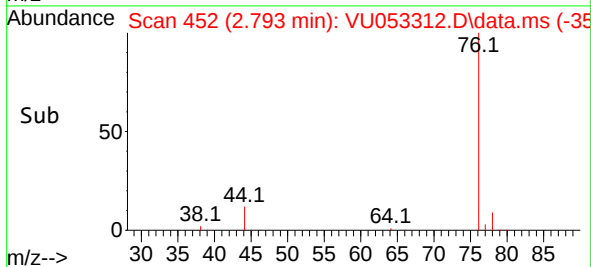
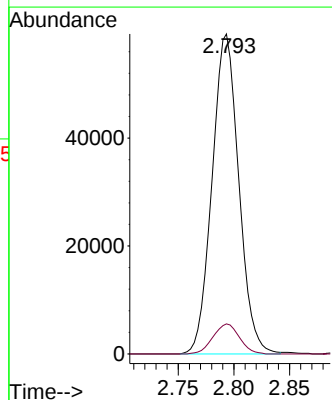
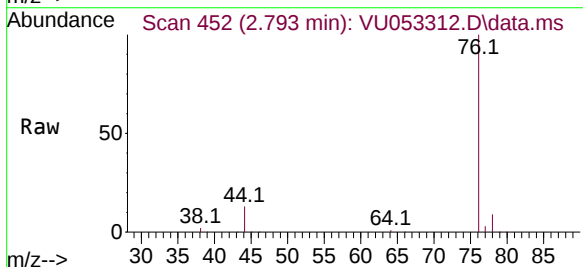
Acq: 20 Mar 2023 17:31

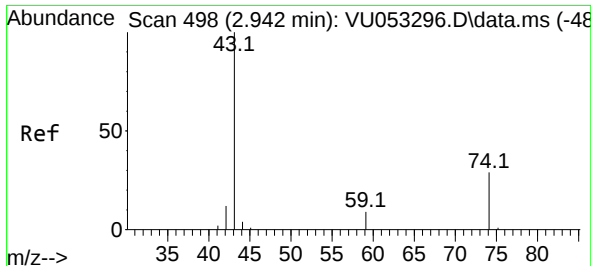
Tgt Ion: 76 Resp: 98901

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

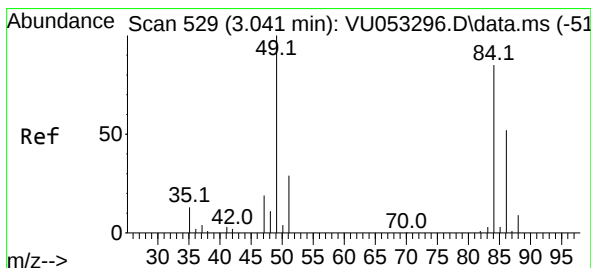
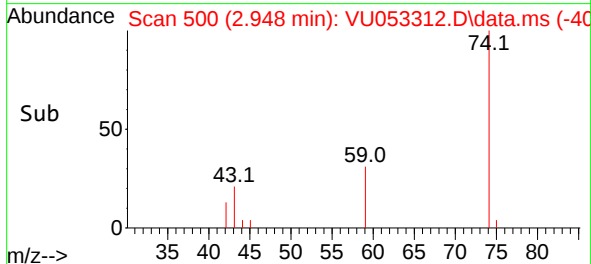
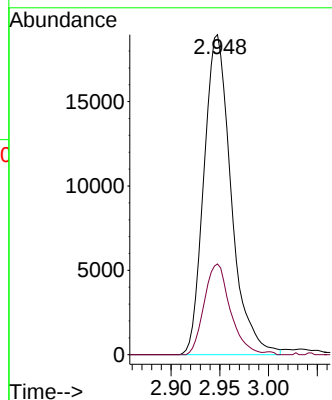
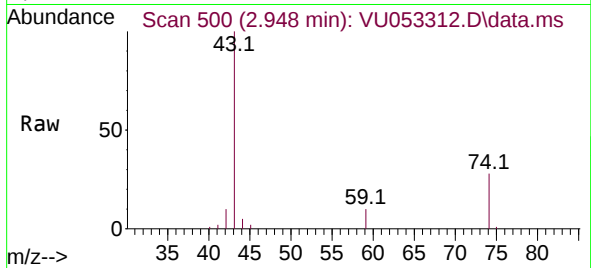




#15
Methyl Acetate
Concen: 48.743 ug/L
RT: 2.948 min Scan# 50
Delta R.T. 0.006 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

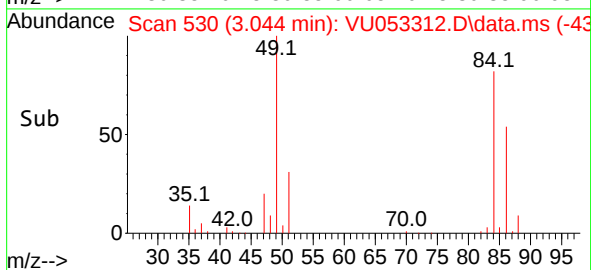
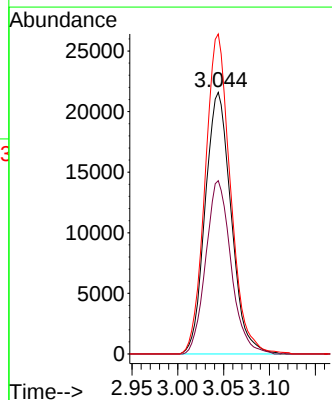
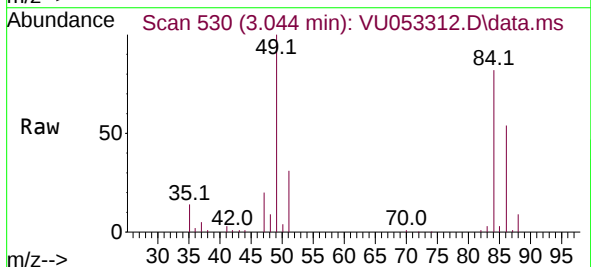
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

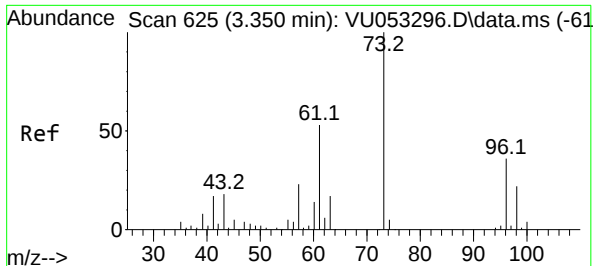
Tgt Ion: 43 Resp: 36955
Ion Ratio Lower Upper
43 100
74 27.0 21.4 32.0



#16
Methylene chloride
Concen: 42.005 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion: 84 Resp: 42477
Ion Ratio Lower Upper
84 100
86 66.2 44.4 82.4
49 122.3 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 42.054 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD050168

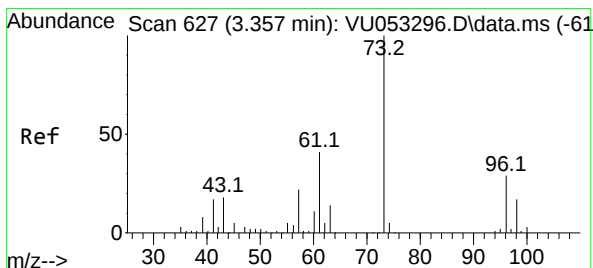
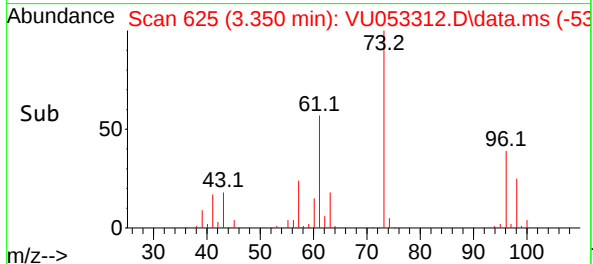
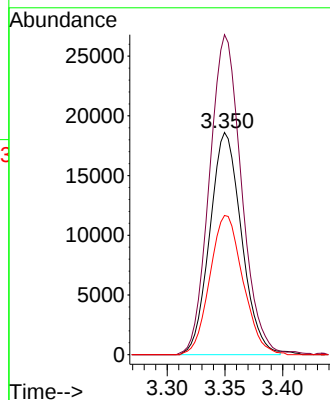
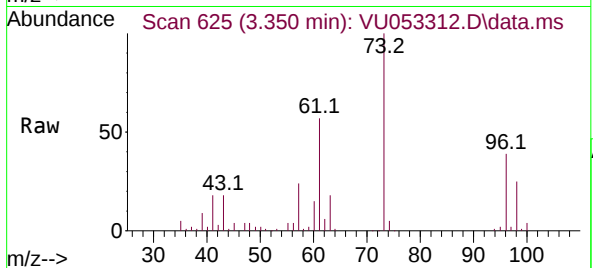
Tgt Ion: 96 Resp: 35568

Ion Ratio Lower Upper

96 100

61 144.0 99.6 185.0

98 62.7 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 43.678 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

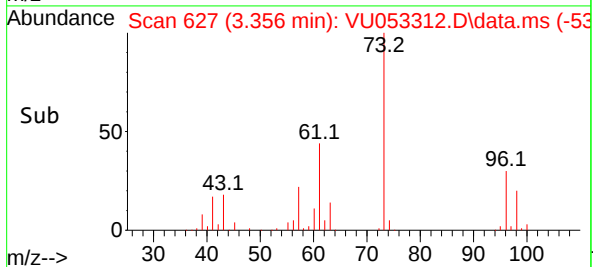
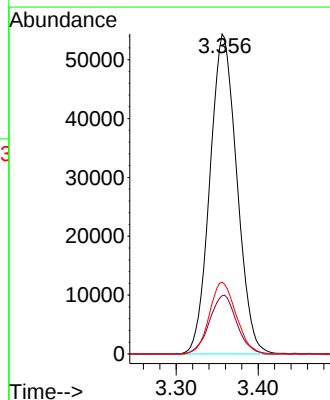
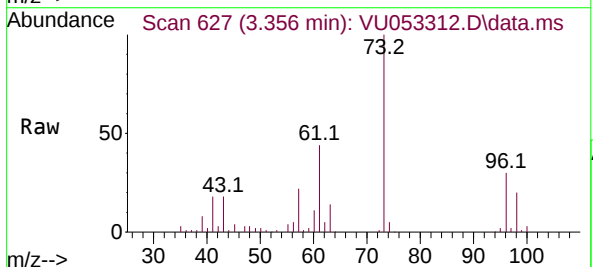
Tgt Ion: 73 Resp: 124218

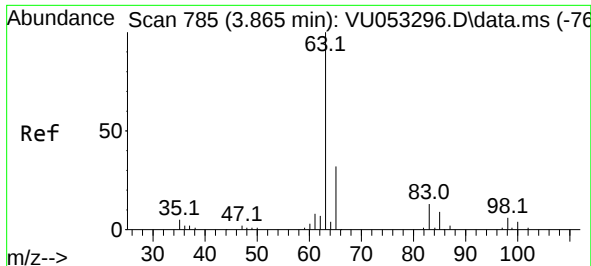
Ion Ratio Lower Upper

73 100

43 18.6 14.2 21.2

57 22.2 18.0 27.0

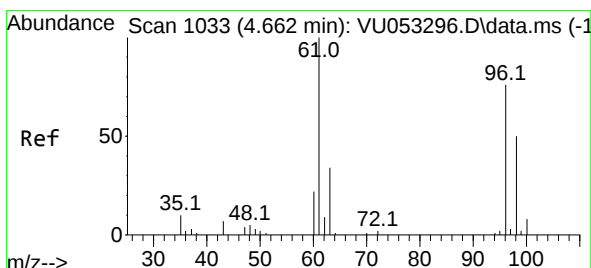
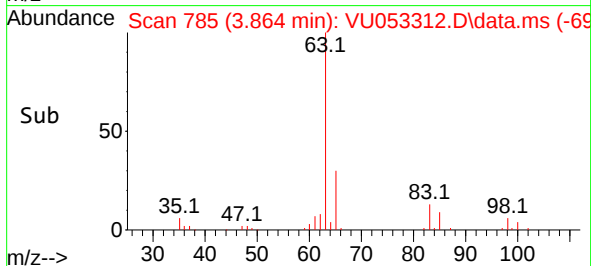
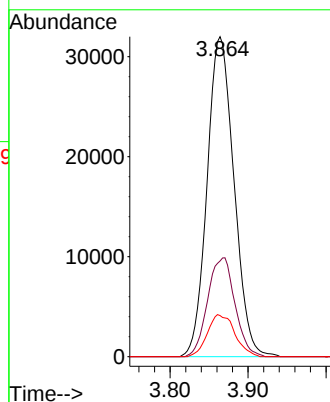
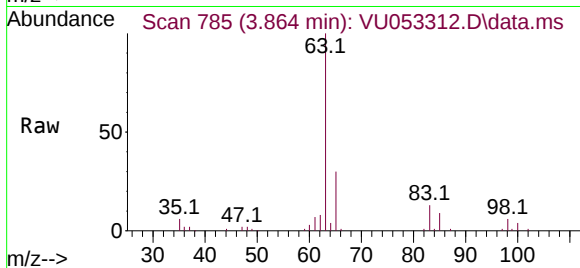




#19
1,1-Dichloroethane
Concen: 44.408 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

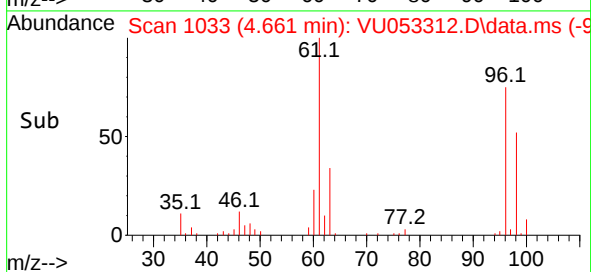
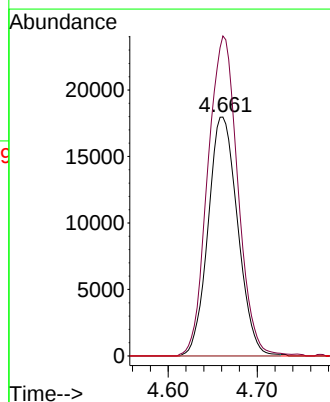
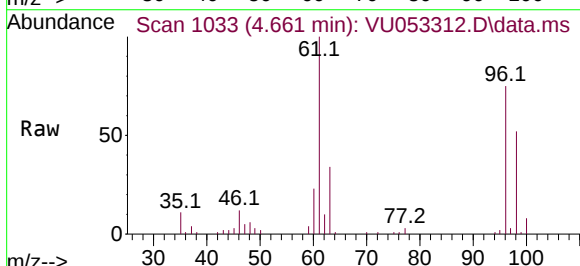
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

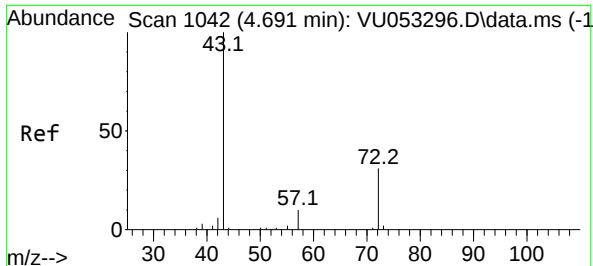
Tgt Ion:	63	Resp:	76668
Ion	Ratio	Lower	Upper
63	100		
65	29.9	22.8	42.4
83	12.9	9.4	17.6



#20
cis-1,2-Dichloroethene
Concen: 41.735 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion:	96	Resp:	41459
Ion	Ratio	Lower	Upper
96	100		
61	134.0	92.5	171.7
68	0.0	0.0	0.0

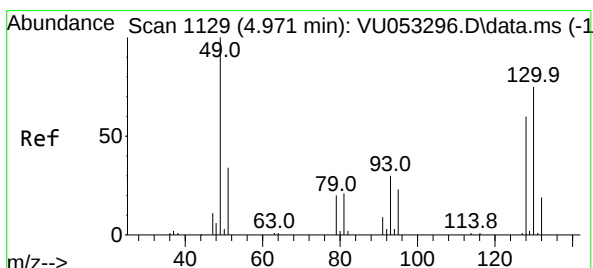
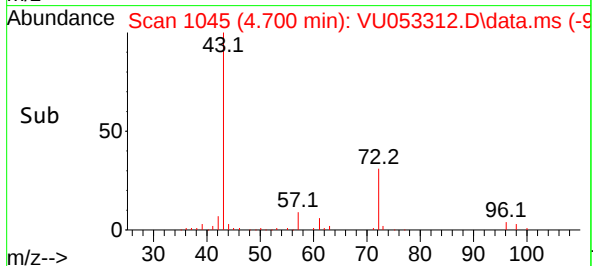
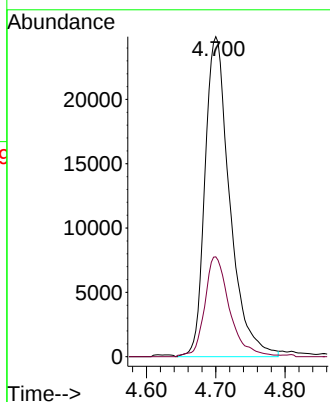
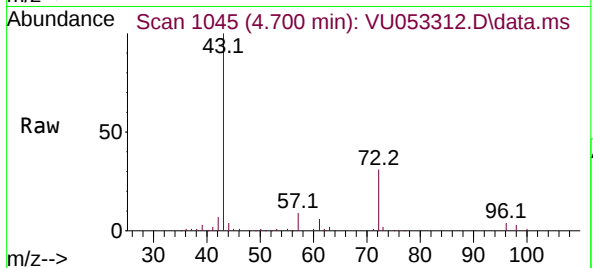




#22
2-Butanone
Concen: 98.019 ug/L
RT: 4.700 min Scan# 1104
Delta R.T. 0.009 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

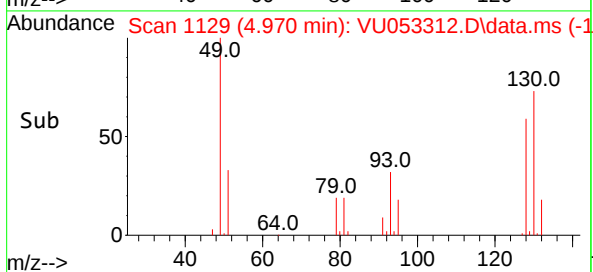
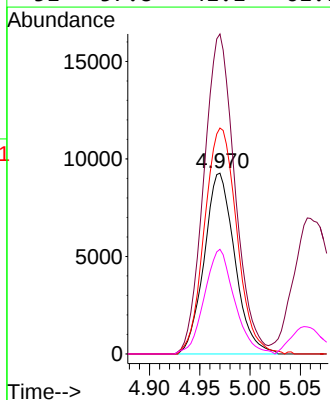
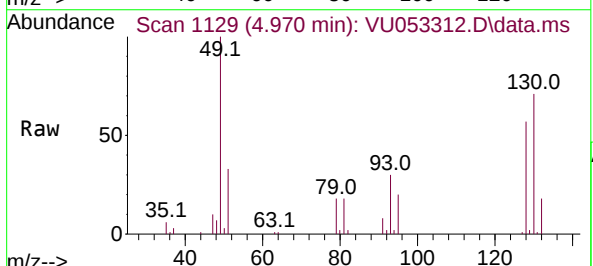
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

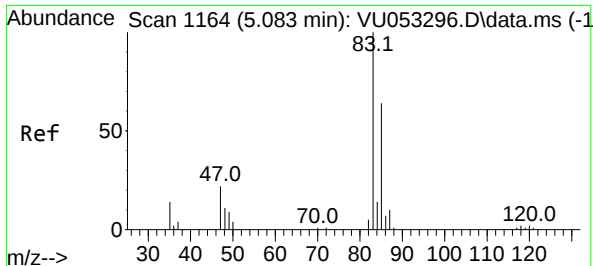
Tgt Ion: 43 Resp: 61768
Ion Ratio Lower Upper
43 100
72 31.4 16.0 47.9



#23
Bromochloromethane
Concen: 41.363 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion: 128 Resp: 19592
Ion Ratio Lower Upper
128 100
49 176.9 109.9 204.1
130 125.0 87.2 161.9
51 57.8 41.1 61.7

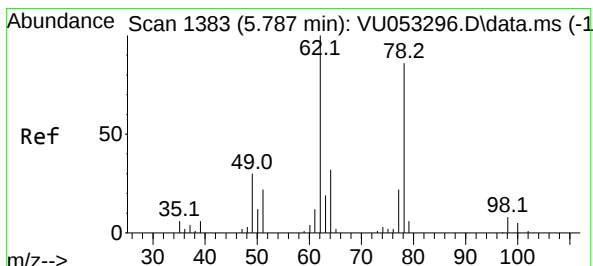
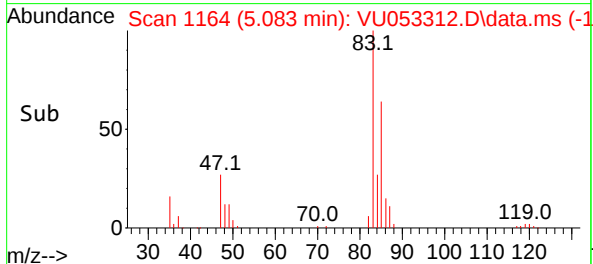
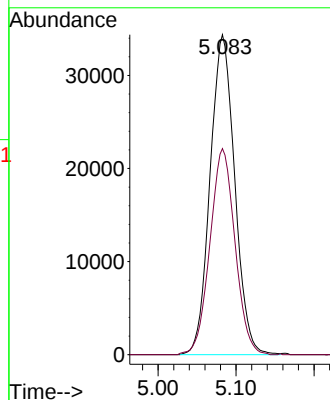
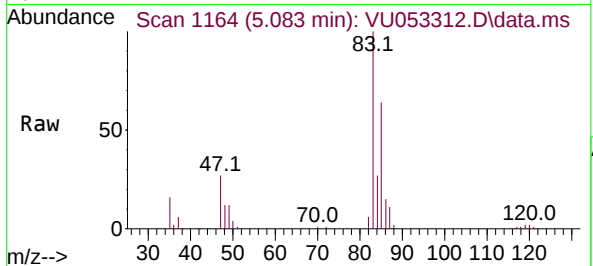




#25
Chloroform
Concen: 43.698 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

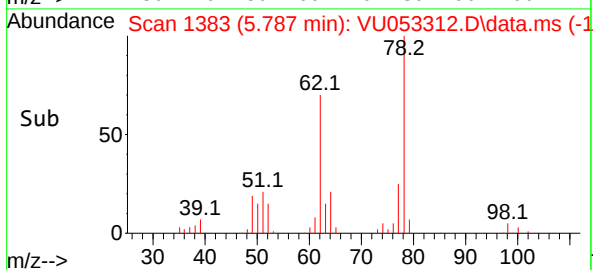
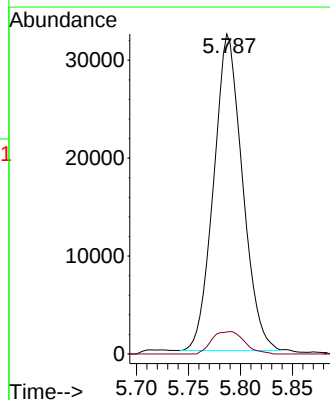
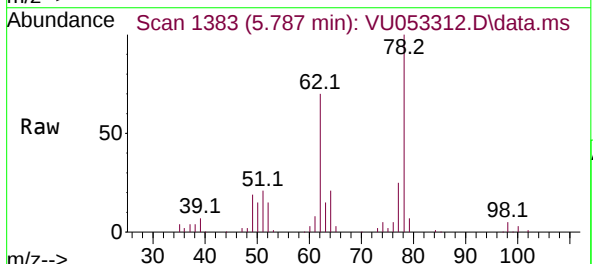
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

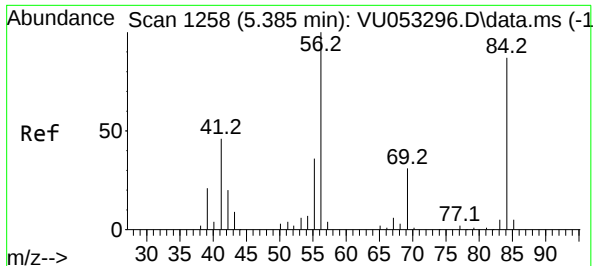
Tgt Ion: 83 Resp: 75492
Ion Ratio Lower Upper
83 100
85 64.4 44.9 83.3



#27
1,2-Dichloroethane
Concen: 45.707 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion: 62 Resp: 62334
Ion Ratio Lower Upper
62 100
98 6.9 7.0 10.6#





#29

Cyclohexane

Concen: 40.533 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD050168

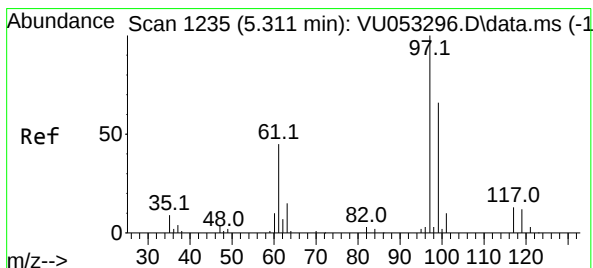
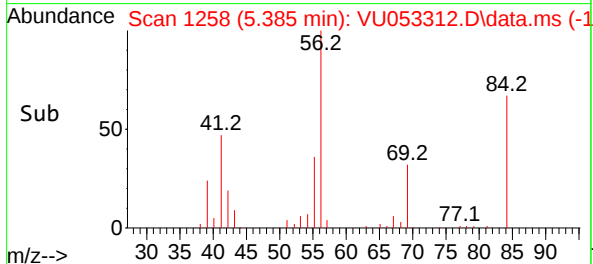
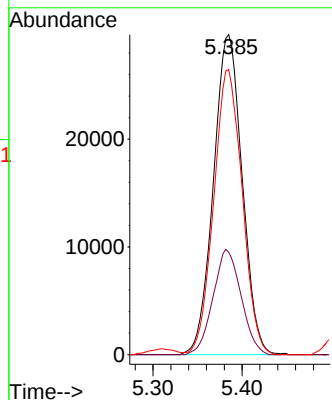
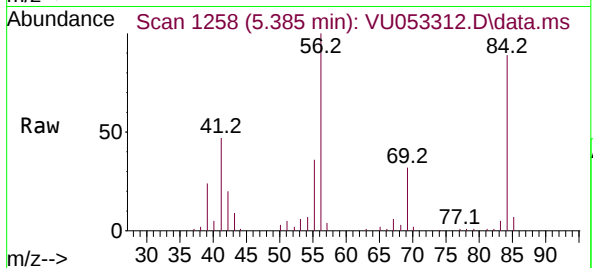
Tgt Ion: 56 Resp: 66538

Ion Ratio Lower Upper

56 100

69 32.1 25.4 38.0

84 88.4 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 41.715 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

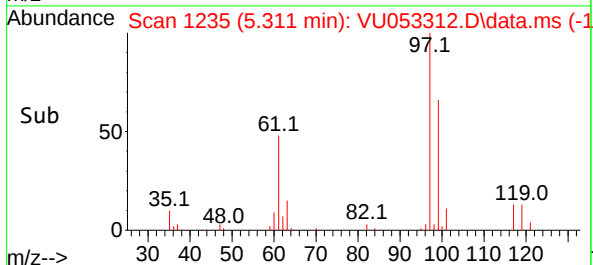
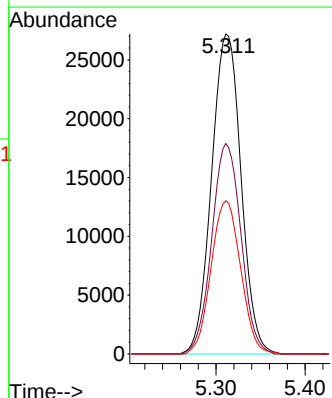
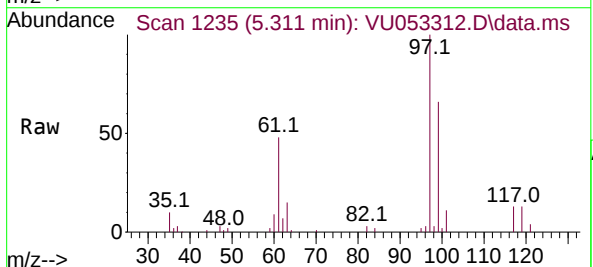
Tgt Ion: 97 Resp: 62643

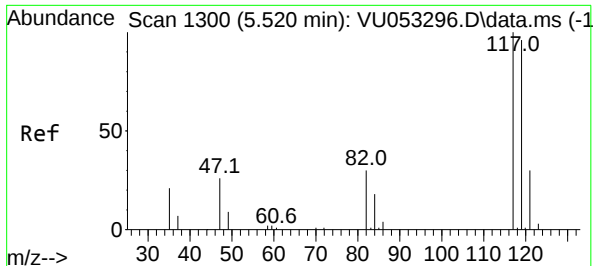
Ion Ratio Lower Upper

97 100

99 65.1 50.6 76.0

61 48.0 36.0 54.0

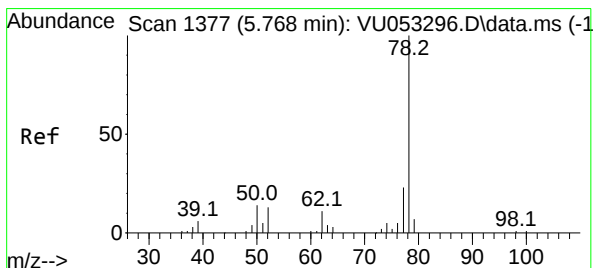
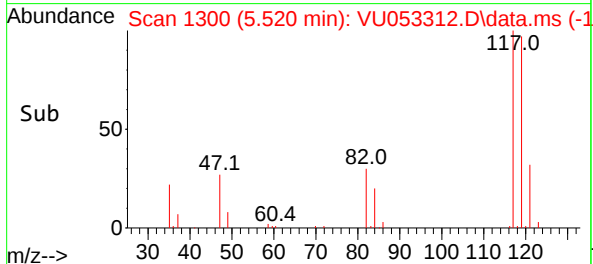
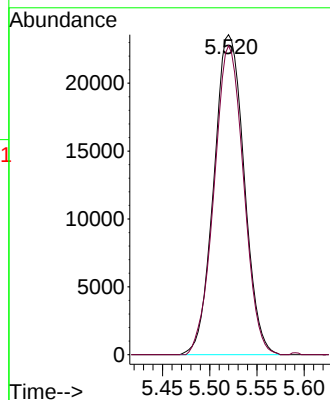
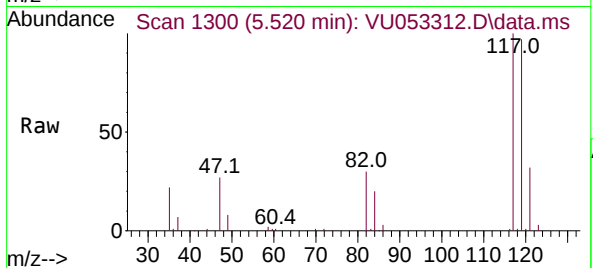




#31
Carbon tetrachloride
Concen: 42.644 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

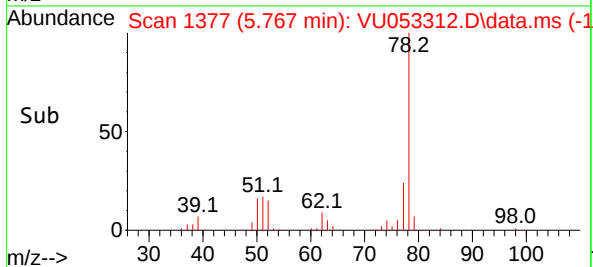
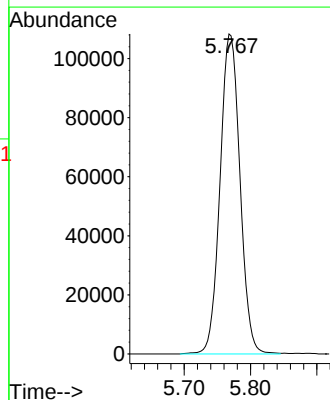
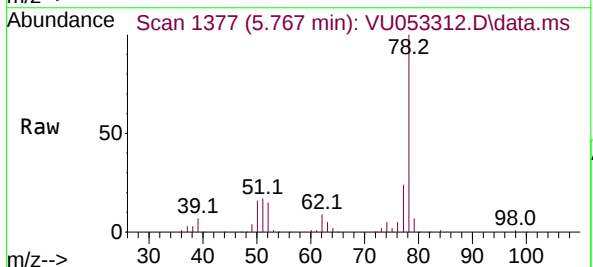
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

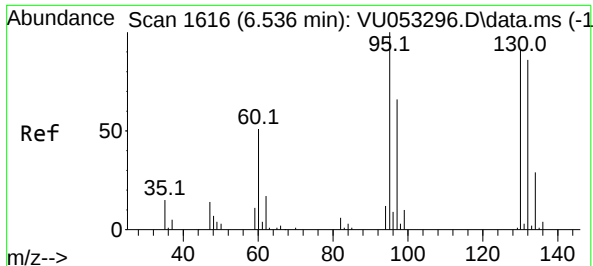
Tgt Ion:117 Resp: 52464
Ion Ratio Lower Upper
117 100
119 94.1 76.2 114.2



#33
Benzene
Concen: 59.183 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion: 78 Resp: 226049

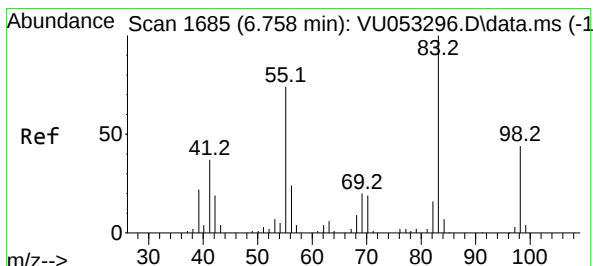
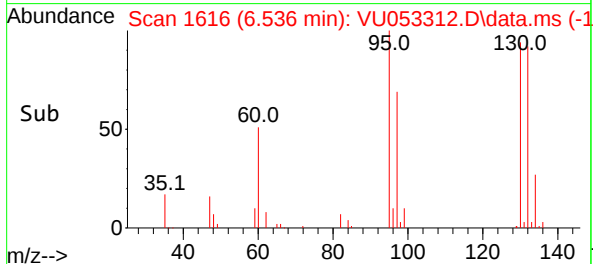
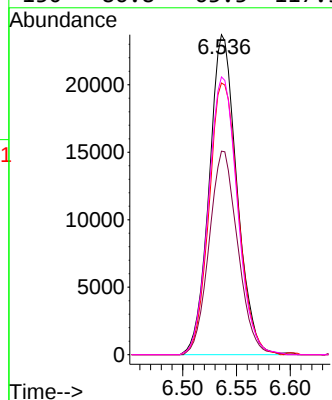
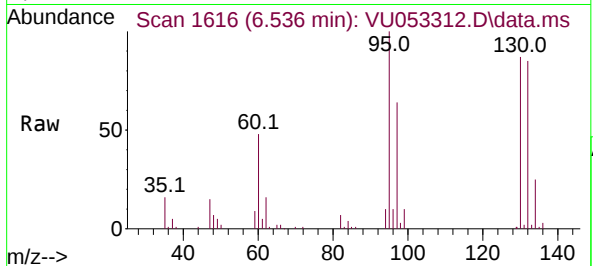




#34
Trichloroethene
Concen: 42.637 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

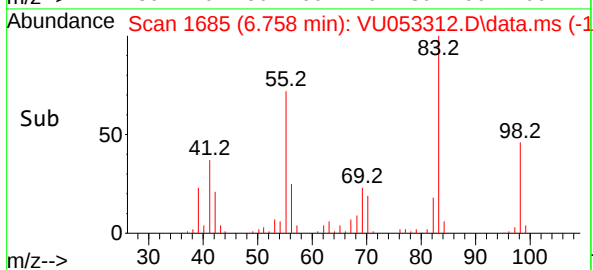
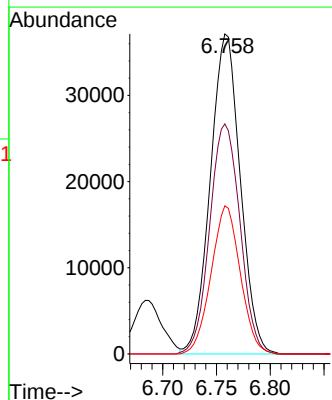
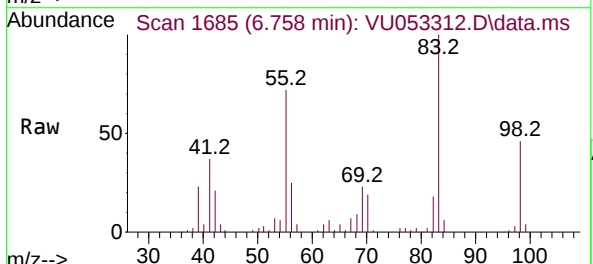
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

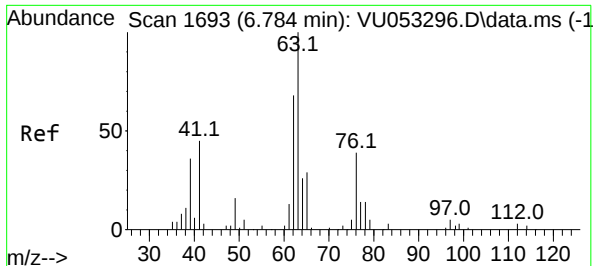
Tgt Ion: 95 Resp: 42463
Ion Ratio Lower Upper
95 100
97 63.6 43.8 81.3
132 84.9 61.5 114.3
130 86.8 63.3 117.5



#35
Methylcyclohexane
Concen: 41.200 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion: 83 Resp: 71923
Ion Ratio Lower Upper
83 100
55 72.6 58.2 87.4
98 45.1 35.4 53.2





#37

1,2-Dichloropropane

Concen: 44.523 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

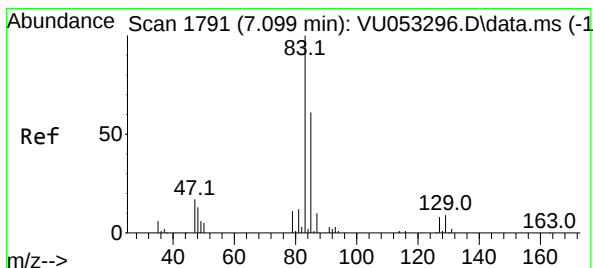
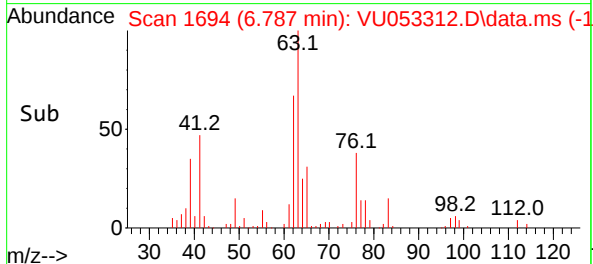
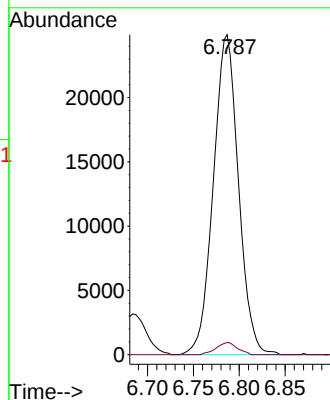
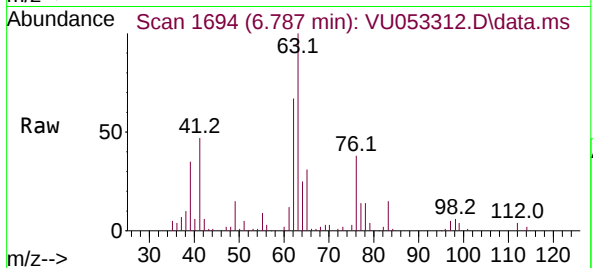
VSTD050168

Tgt Ion: 63 Resp: 47445

Ion Ratio Lower Upper

63 100

112 3.2 2.6 3.8



#38

Bromodichloromethane

Concen: 43.448 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

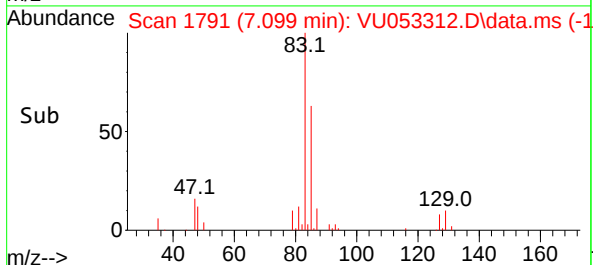
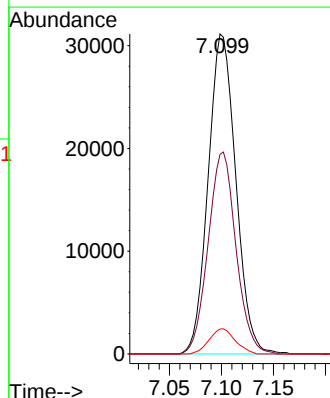
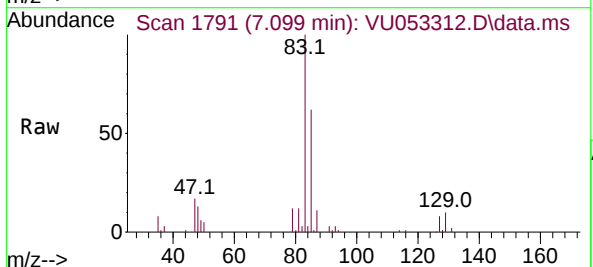
Tgt Ion: 83 Resp: 57618

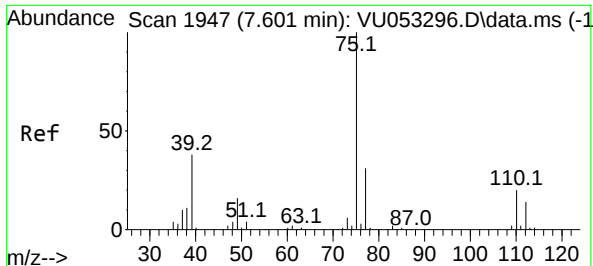
Ion Ratio Lower Upper

83 100

85 62.4 45.4 84.2

127 7.8 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 43.778 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

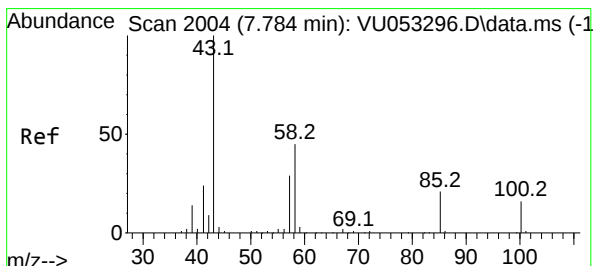
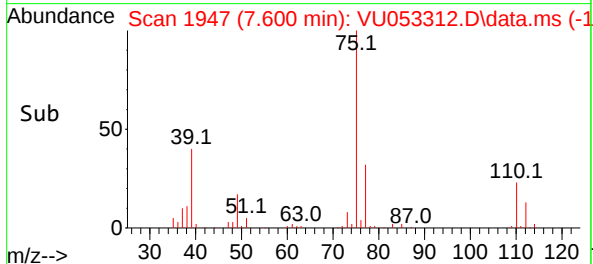
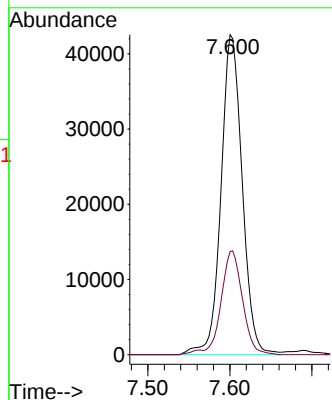
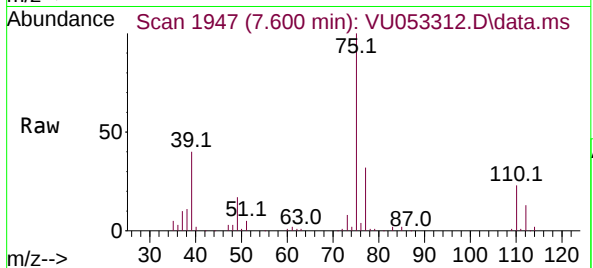
VSTD050168

Tgt Ion: 75 Resp: 76644

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 98.012 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

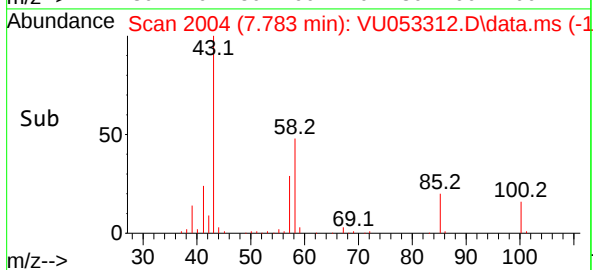
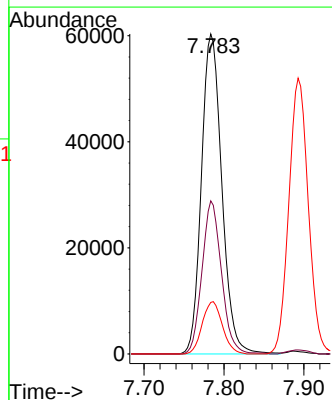
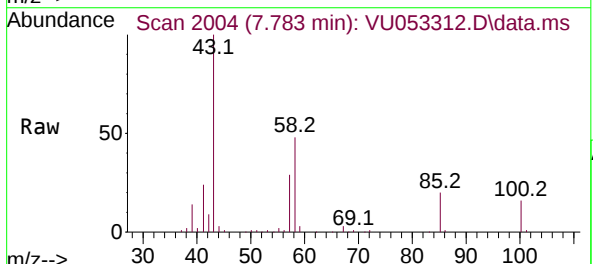
Tgt Ion: 43 Resp: 107352

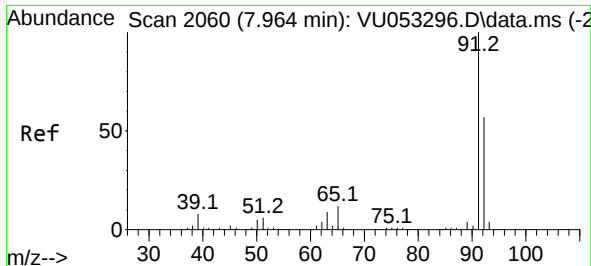
Ion Ratio Lower Upper

43 100

58 45.6 35.8 53.6

100 16.1 13.0 19.6





#42

Toluene

Concen: 44.636 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

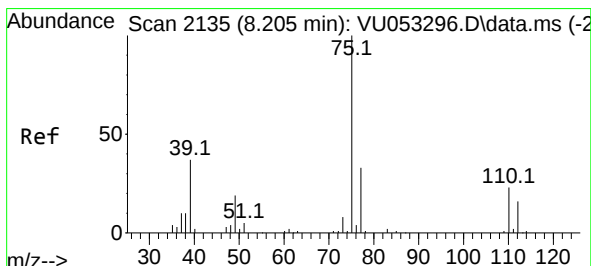
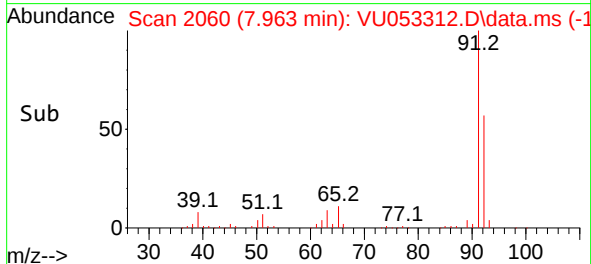
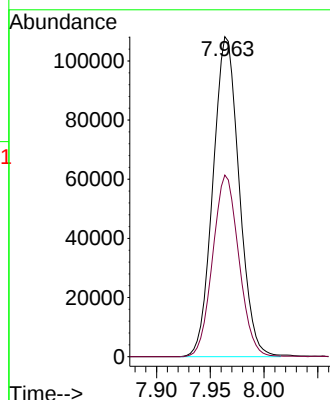
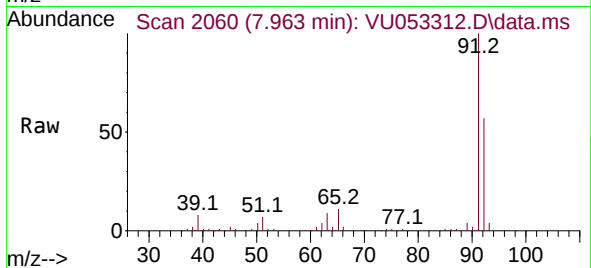
VSTD050168

Tgt Ion: 91 Resp: 183285

Ion Ratio Lower Upper

91 100

92 56.7 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 44.944 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.001 min

Lab File: VU053312.D

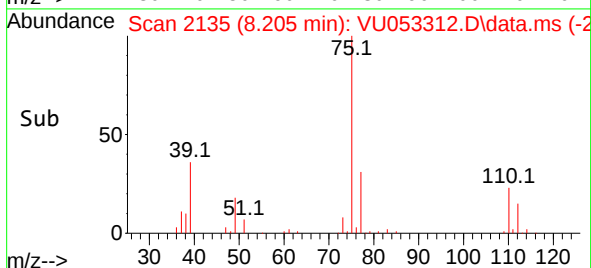
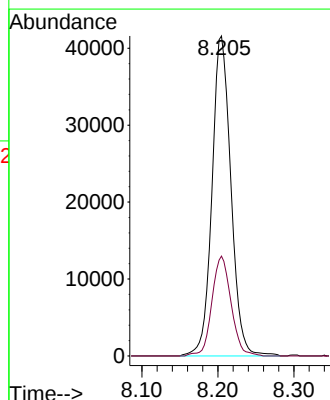
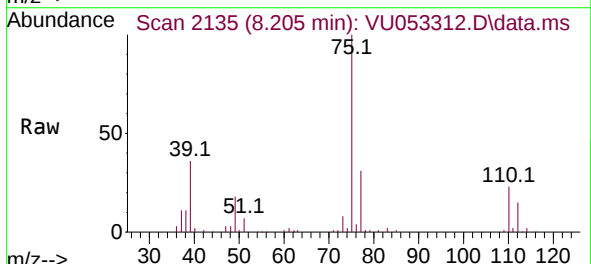
Acq: 20 Mar 2023 17:31

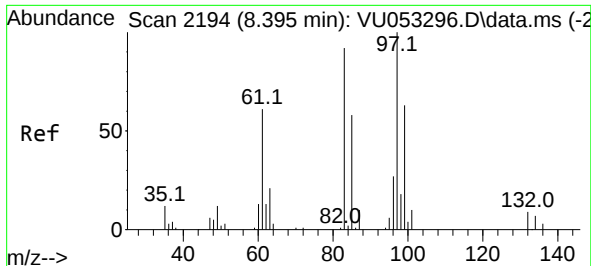
Tgt Ion: 75 Resp: 71928

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8

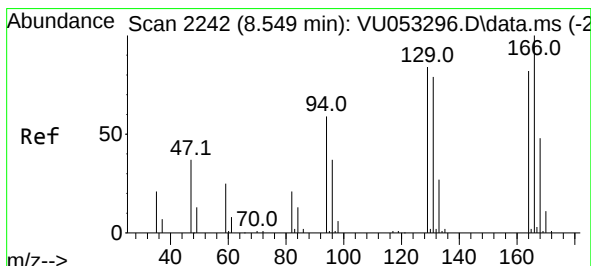
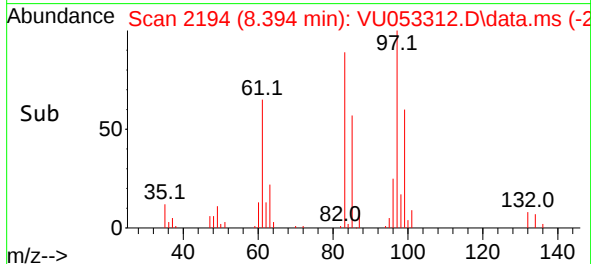
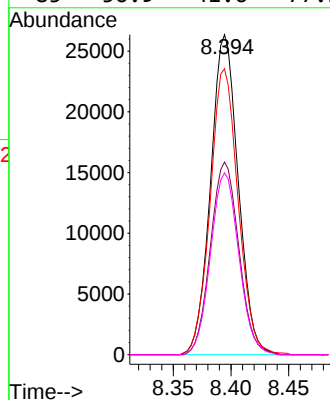
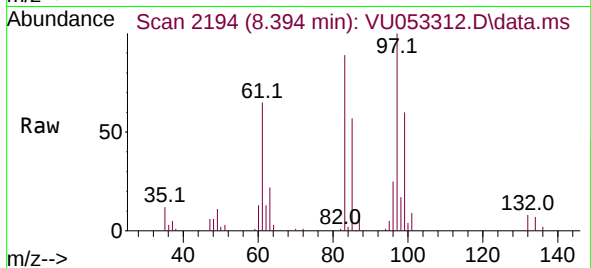




#45
1,1,2-Trichloroethane
Concen: 45.151 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

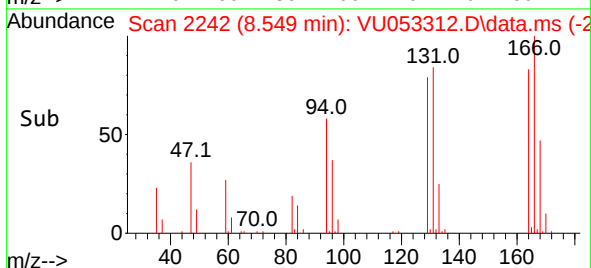
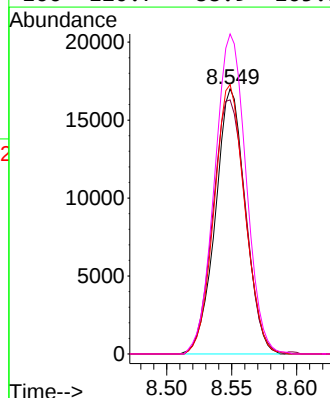
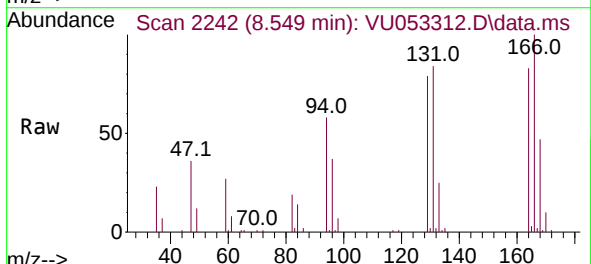
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

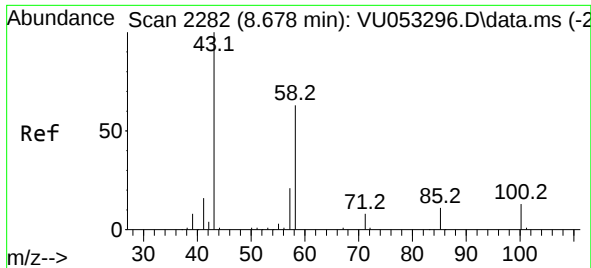
Tgt Ion:	97	Resp:	43811
Ion	Ratio	Lower	Upper
97	100		
99	60.2	44.4	82.4
83	89.4	63.8	118.6
85	56.9	41.6	77.2



#46
Tetrachloroethene
Concen: 42.131 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion:	164	Resp:	27298
Ion	Ratio	Lower	Upper
164	100		
129	95.8	73.6	136.8
131	101.6	70.3	130.7
166	120.7	88.9	165.1

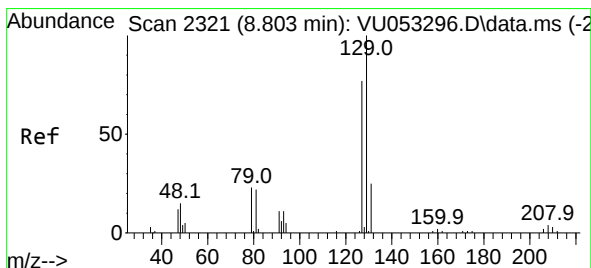
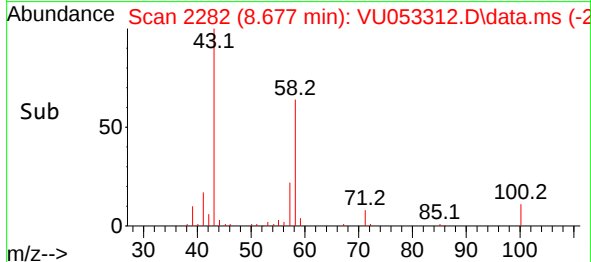
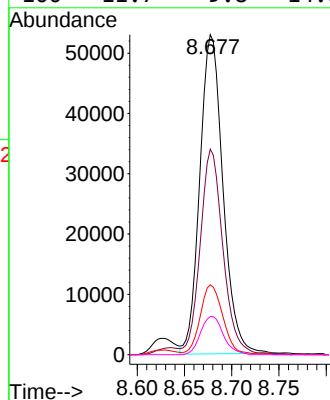
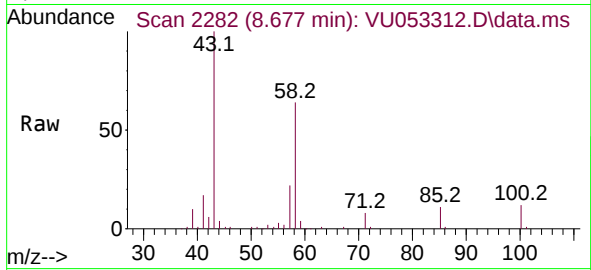




#48
2-Hexanone
Concen: 98.399 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

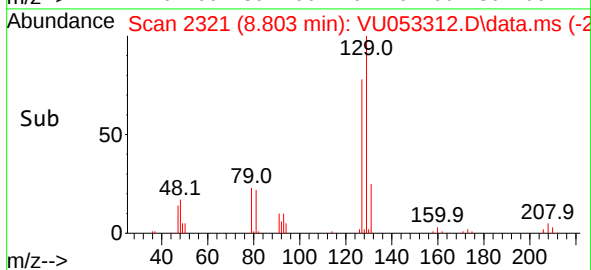
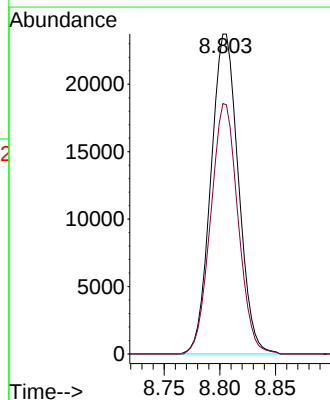
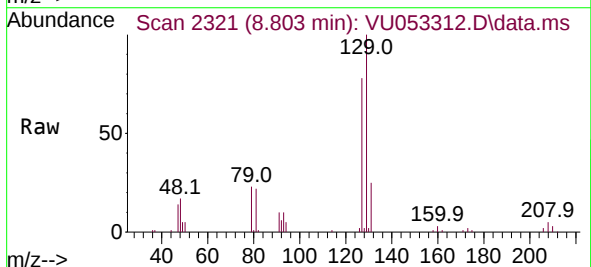
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

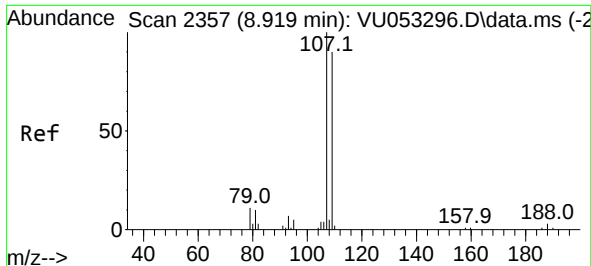
Tgt Ion: 43	Resp: 90251
Ion Ratio	Lower Upper
43 100	
58 63.4	49.4 74.0
57 21.5	16.9 25.3
100 11.7	9.8 14.8



#49
Dibromochloromethane
Concen: 41.037 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion:129	Resp: 40732		
Ion Ratio	Lower	Upper	
129 100			
127 78.3	53.1	98.5	





#50

1,2-Dibromoethane

Concen: 44.455 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD050168

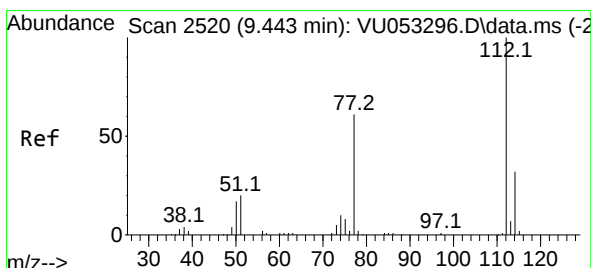
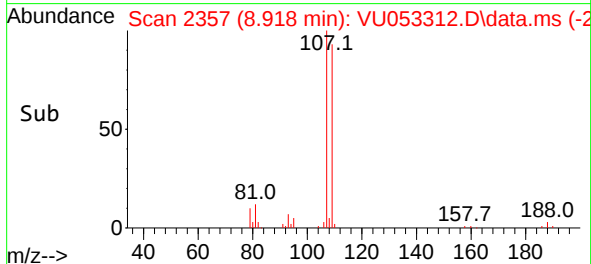
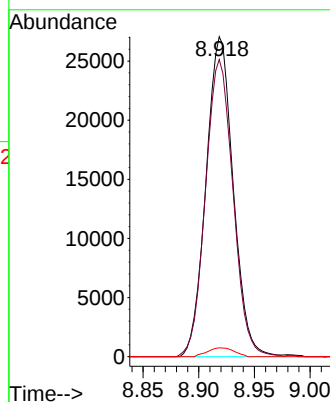
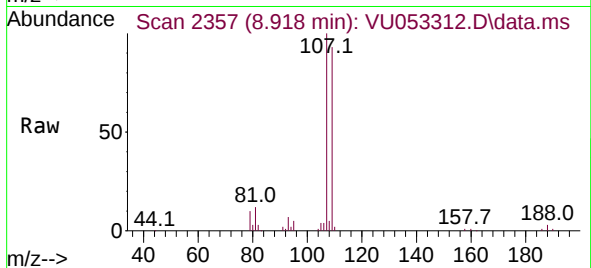
Tgt Ion:107 Resp: 45963

Ion Ratio Lower Upper

107 100

109 92.9 64.6 120.0

188 2.7 2.2 3.4



#51

Chlorobenzene

Concen: 45.620 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

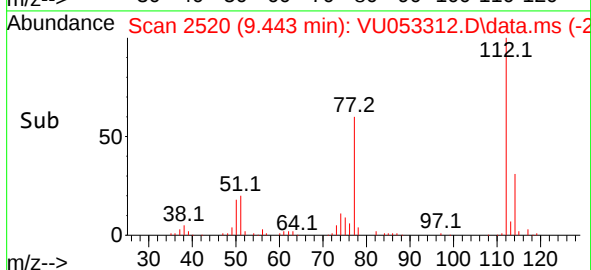
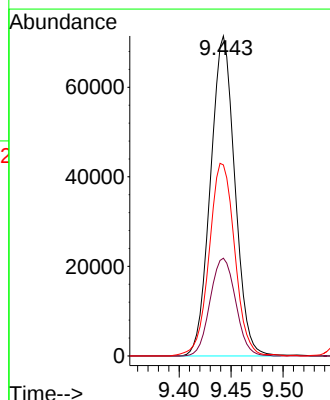
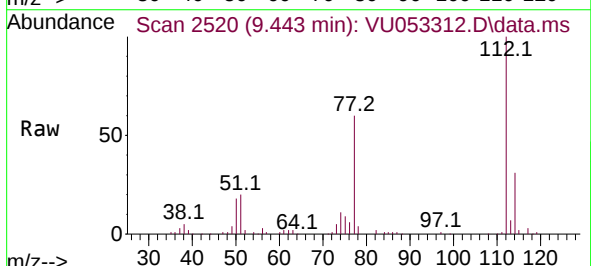
Tgt Ion:112 Resp: 116752

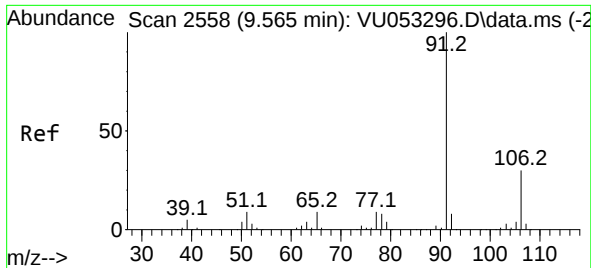
Ion Ratio Lower Upper

112 100

114 30.6 21.8 40.6

77 59.7 48.8 73.2

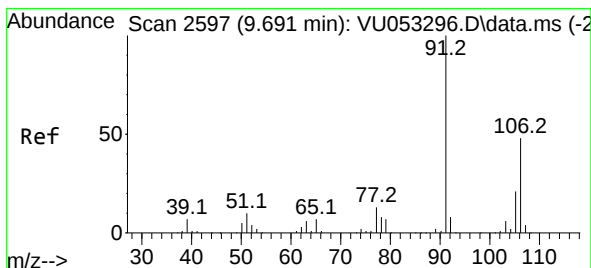
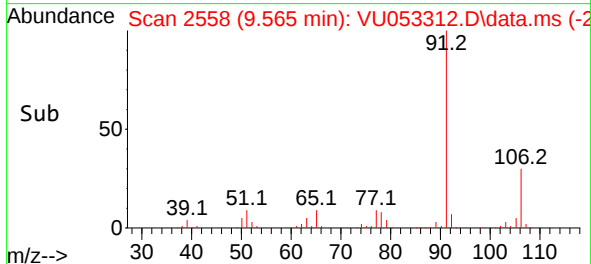
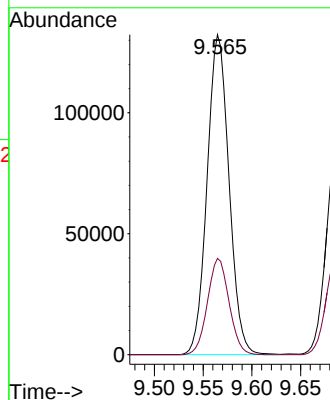
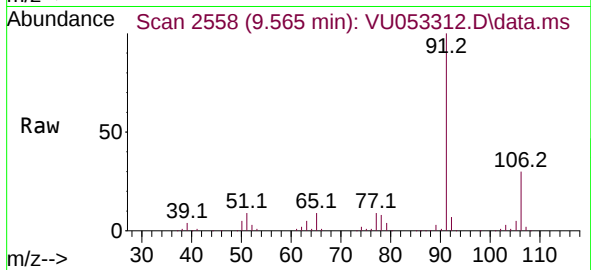




#52
Ethylbenzene
Concen: 44.448 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

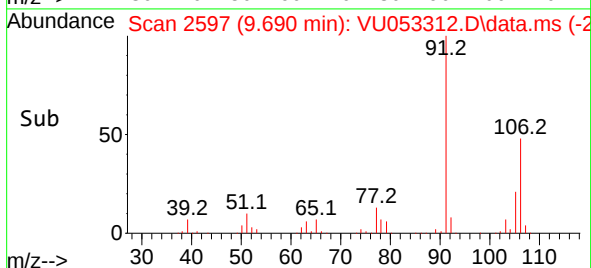
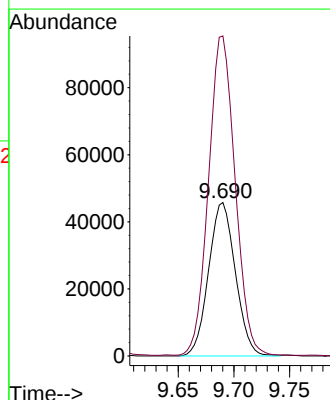
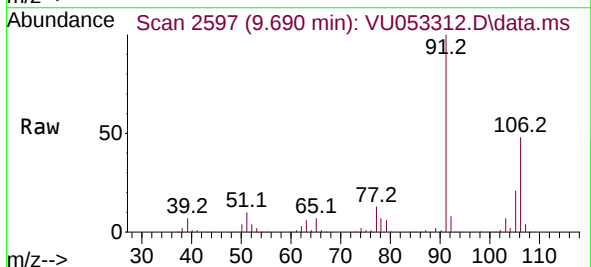
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

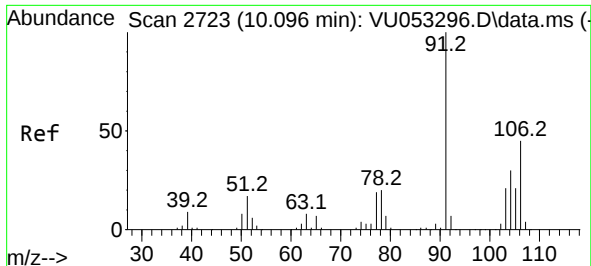
Tgt Ion: 91 Resp: 206978
Ion Ratio Lower Upper
91 100
106 30.1 21.6 40.0



#53
m,p-Xylene
Concen: 44.072 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion: 106 Resp: 76598
Ion Ratio Lower Upper
106 100
91 208.6 145.3 269.8

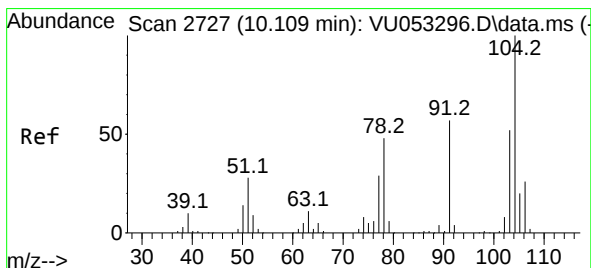
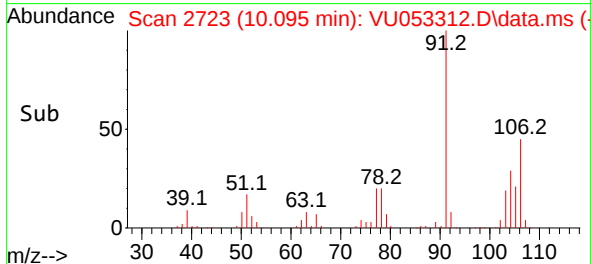
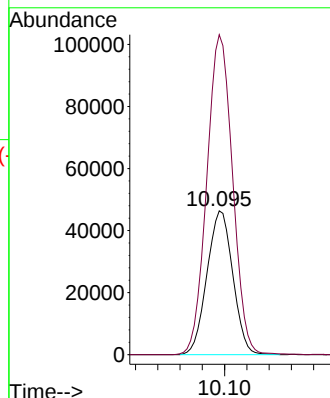
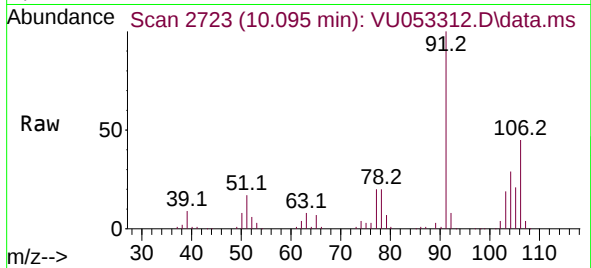




#54
o-Xylene
Concen: 43.489 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

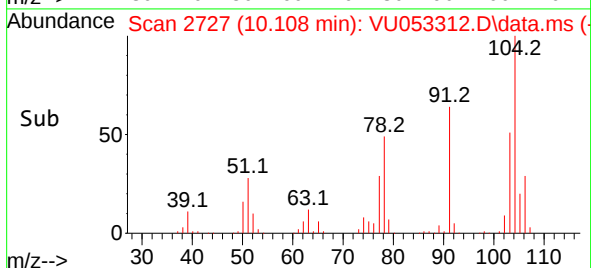
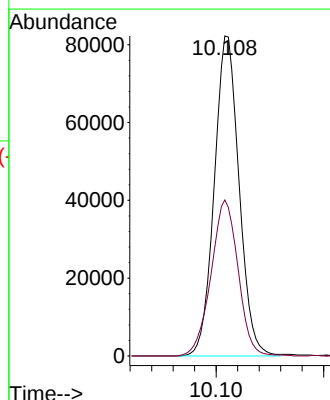
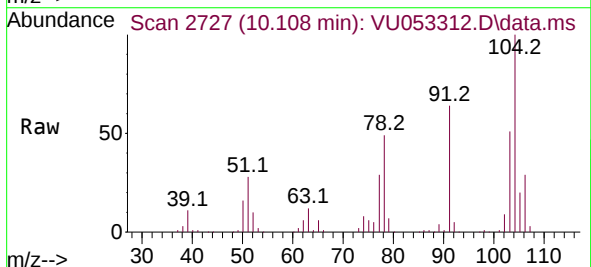
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

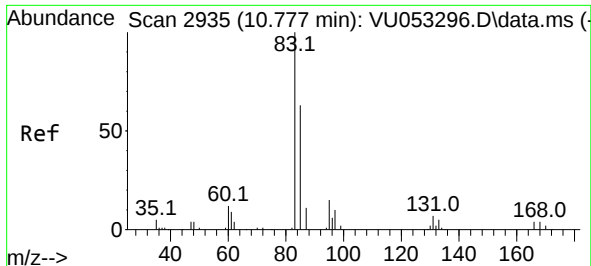
Tgt Ion:106 Resp: 74756
Ion Ratio Lower Upper
106 100
91 222.4 154.9 287.7



#55
Styrene
Concen: 45.936 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion:104 Resp: 131601
Ion Ratio Lower Upper
104 100
78 48.8 32.9 61.1

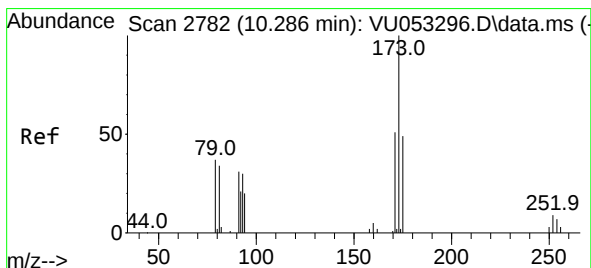
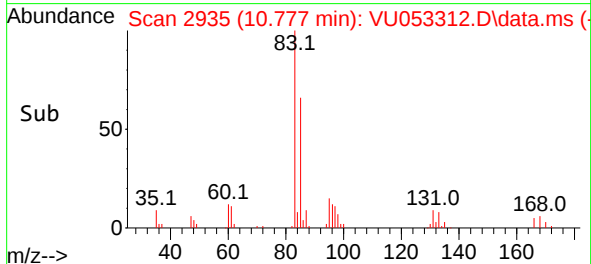
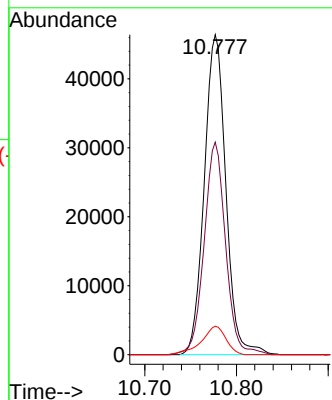
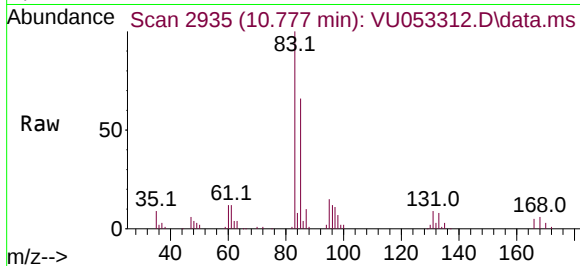




#57
1,1,2,2-Tetrachloroethane
Concen: 47.674 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

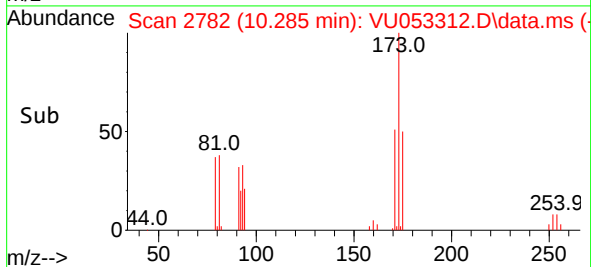
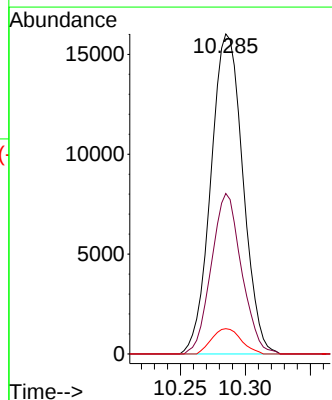
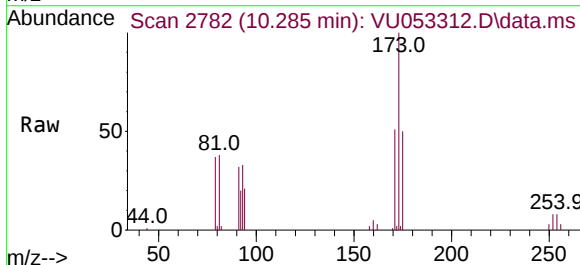
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

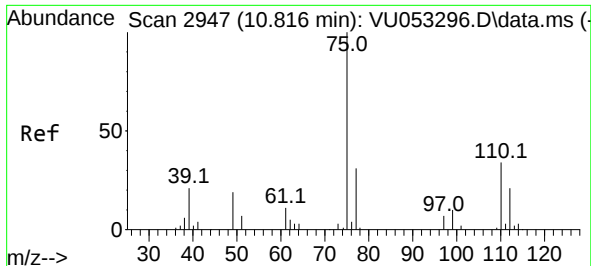
Tgt Ion: 83 Resp: 75842
Ion Ratio Lower Upper
83 100
85 66.4 46.0 85.4
131 8.9 6.6 10.0



#59
Bromoform
Concen: 43.107 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion:173 Resp: 27440
Ion Ratio Lower Upper
173 100
175 47.2 38.5 57.7
254 7.3 6.5 9.7

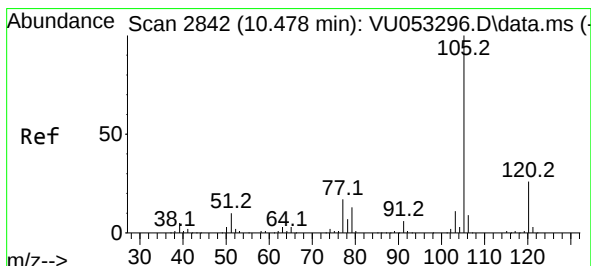
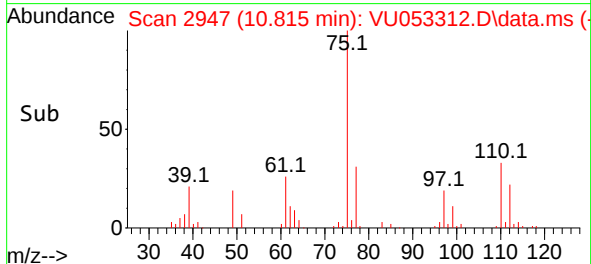
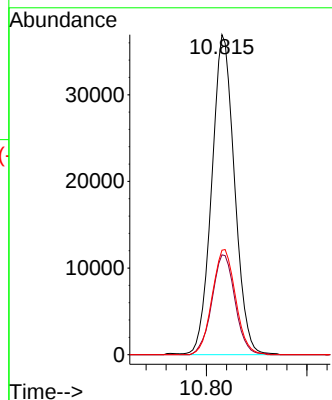
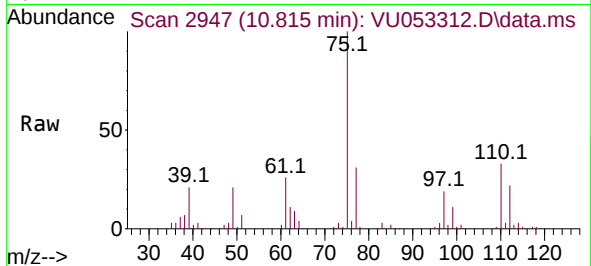




#60
1,2,3-Trichloropropane
Concen: 52.277 ug/L
RT: 10.815 min Scan# 2947
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

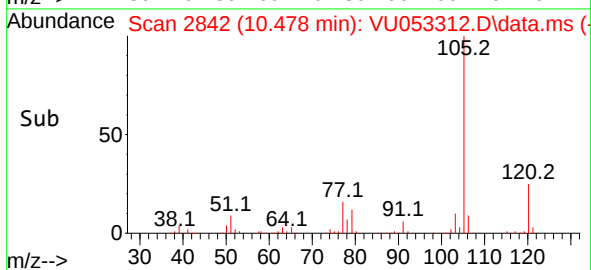
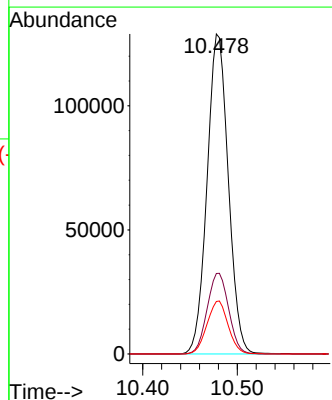
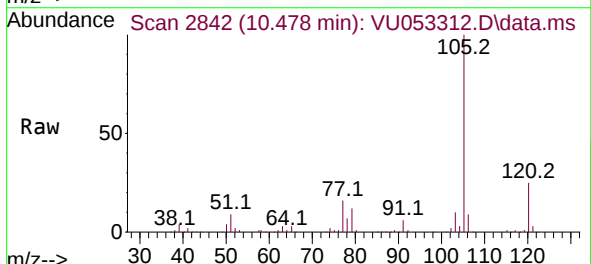
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

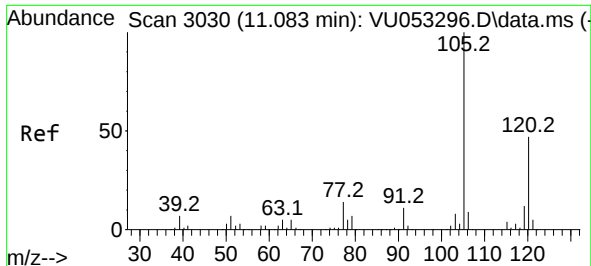
Tgt Ion:	75	Resp:	58106
Ion Ratio	Lower	Upper	
75	100		
77	31.6	26.6	40.0
110	33.7	28.6	42.8



#61
Isopropylbenzene
Concen: 45.500 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion:	105	Resp:	201089
Ion Ratio	Lower	Upper	
105	100		
120	25.5	20.4	30.6
77	16.5	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 44.775 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

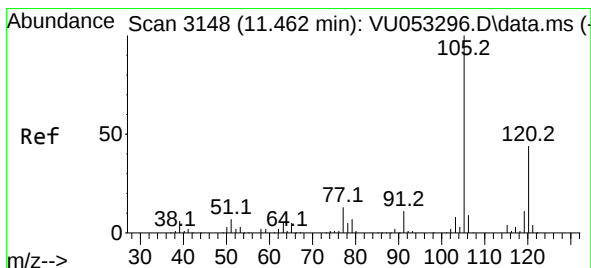
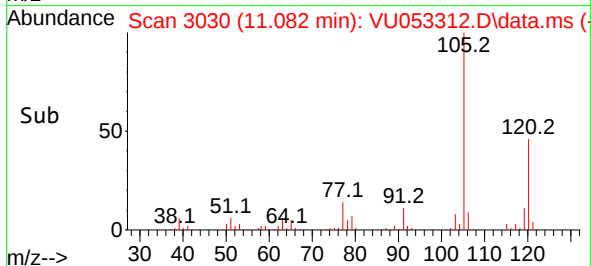
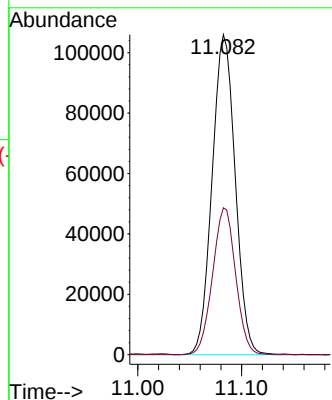
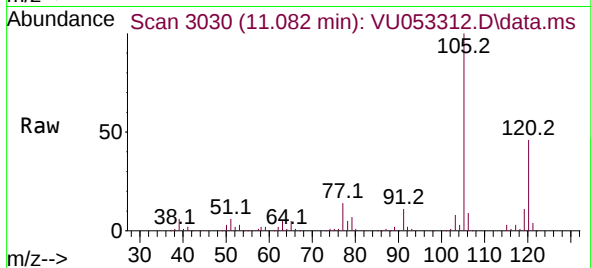
VSTD050168

Tgt Ion:105 Resp: 163803

Ion Ratio Lower Upper

105 100

120 45.7 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 44.663 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.001 min

Lab File: VU053312.D

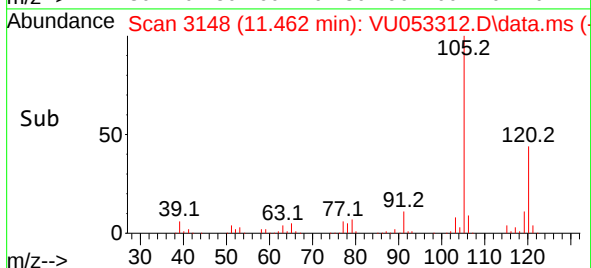
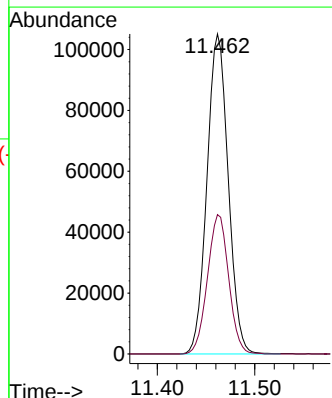
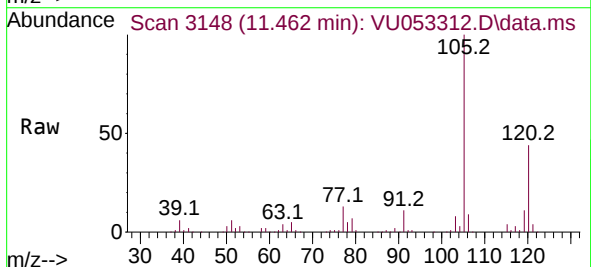
Acq: 20 Mar 2023 17:31

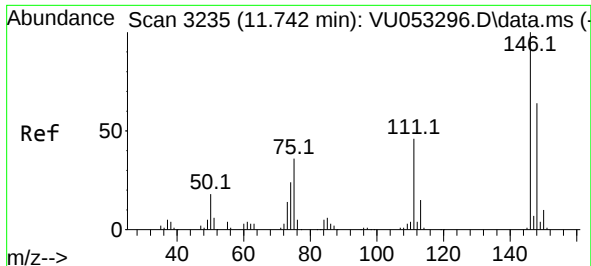
Tgt Ion:105 Resp: 159262

Ion Ratio Lower Upper

105 100

120 43.5 34.6 52.0

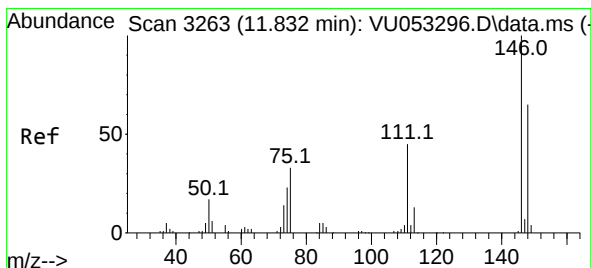
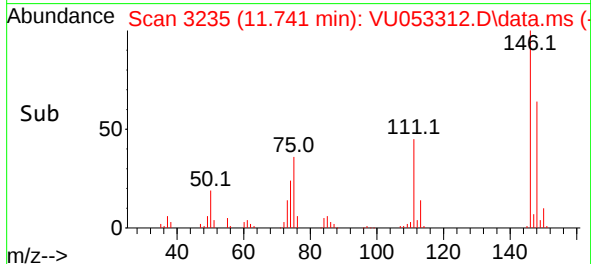
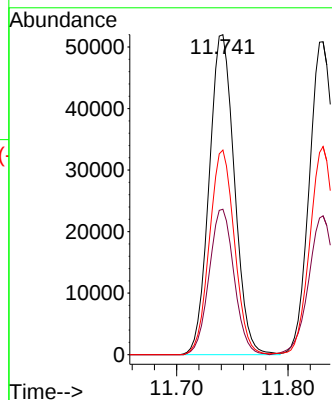
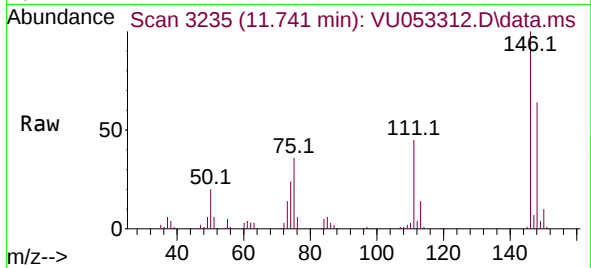




#64
1,3-Dichlorobenzene
Concen: 44.273 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

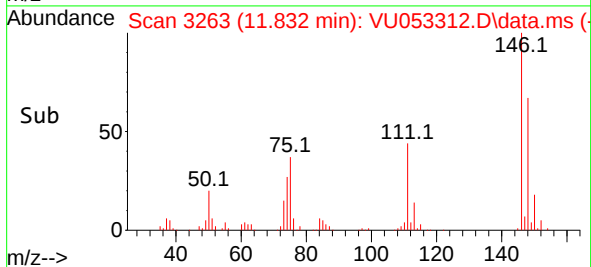
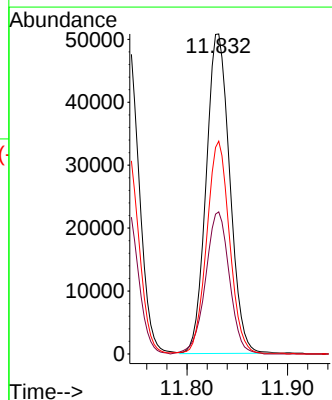
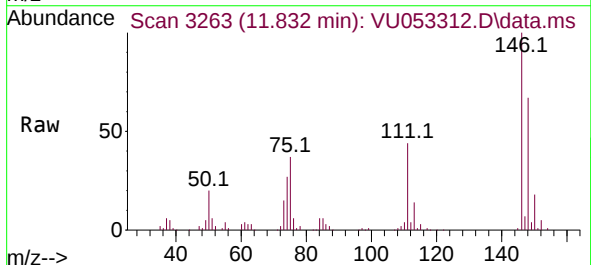
Instrument :
MSVOA_U
ClientSampleId :
VSTD050168

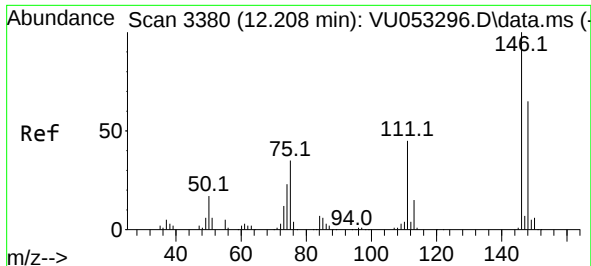
Tgt Ion:146 Resp: 82062
Ion Ratio Lower Upper
146 100
111 45.5 30.2 56.0
148 63.9 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 44.559 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.001 min
Lab File: VU053312.D
Acq: 20 Mar 2023 17:31

Tgt Ion:146 Resp: 82914
Ion Ratio Lower Upper
146 100
111 44.4 30.7 57.1
148 66.5 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 44.537 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD050168

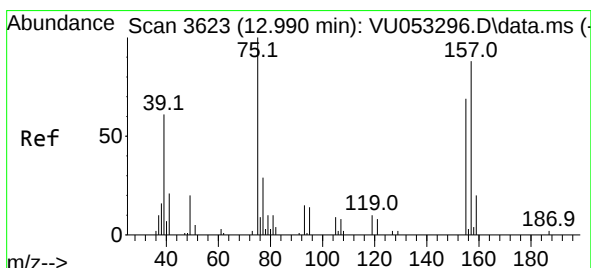
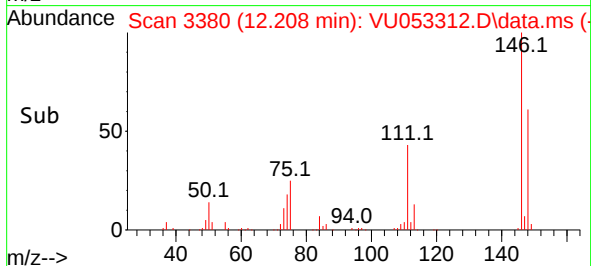
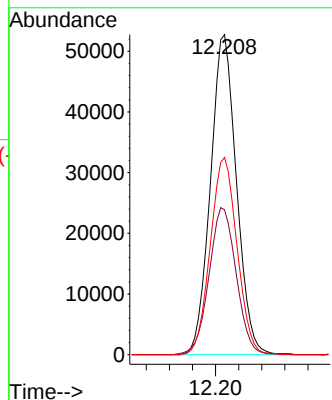
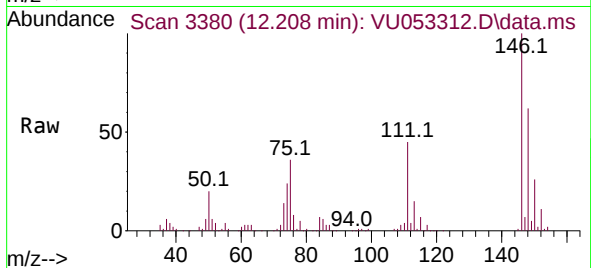
Tgt Ion:146 Resp: 82508

Ion Ratio Lower Upper

146 100

111 45.3 37.0 55.4

148 61.6 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 51.484 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

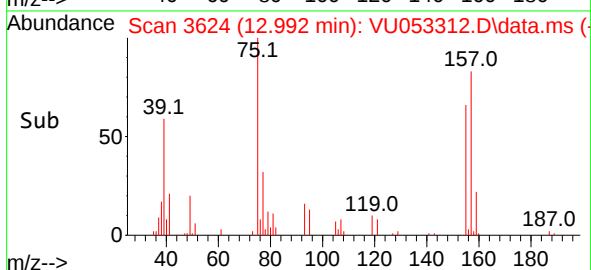
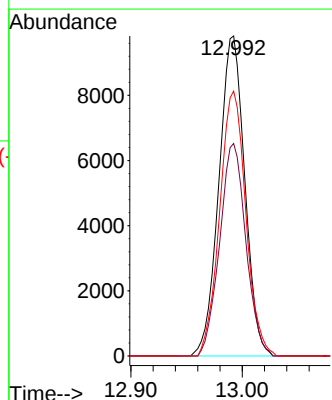
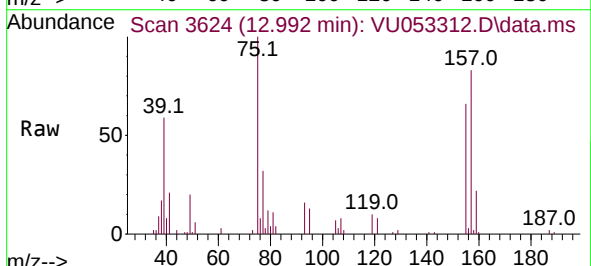
Tgt Ion: 75 Resp: 15824

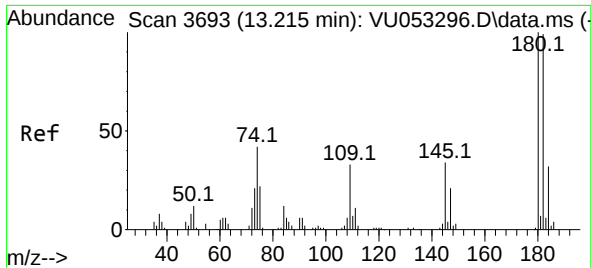
Ion Ratio Lower Upper

75 100

155 66.4 60.2 90.4

157 82.8 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 43.176 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.001 min

Lab File: VU053312.D

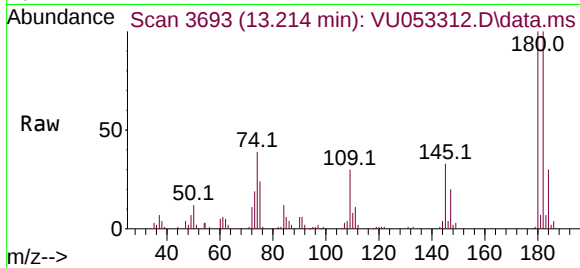
Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD050168



Tgt Ion:180 Resp: 50738

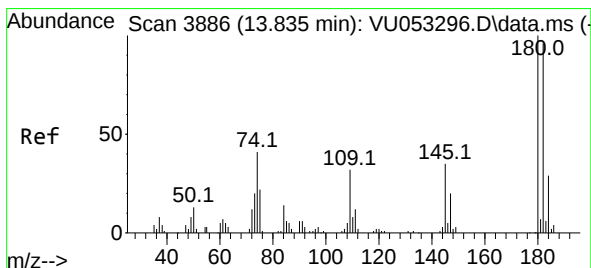
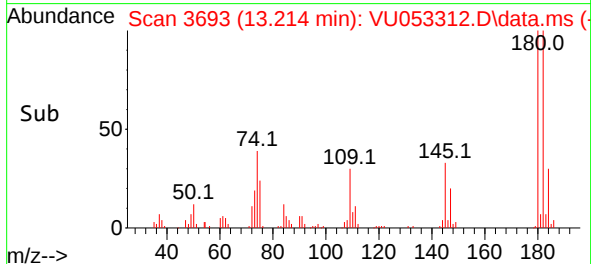
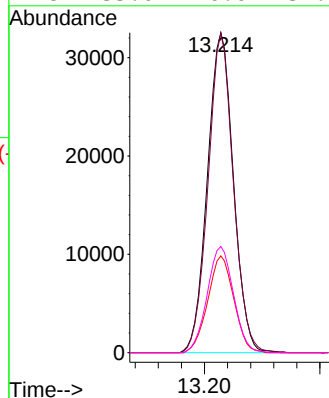
Ion Ratio Lower Upper

180 100

182 97.0 74.5 111.7

184 30.3 23.2 34.8

145 33.6 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 44.484 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

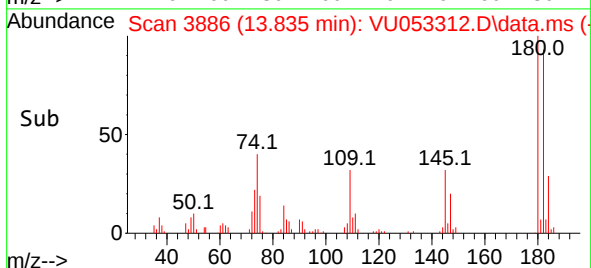
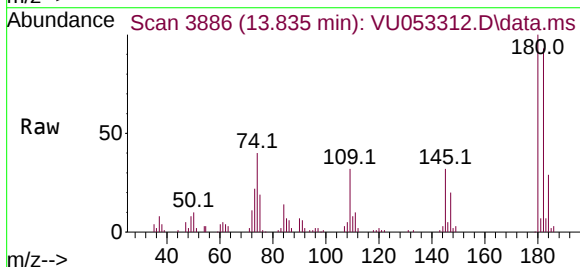
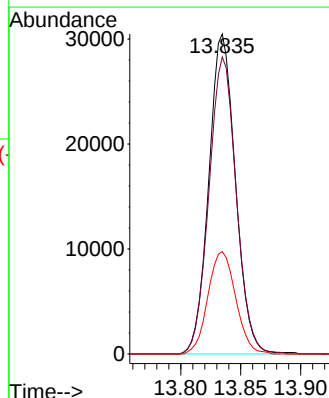
Tgt Ion:180 Resp: 46971

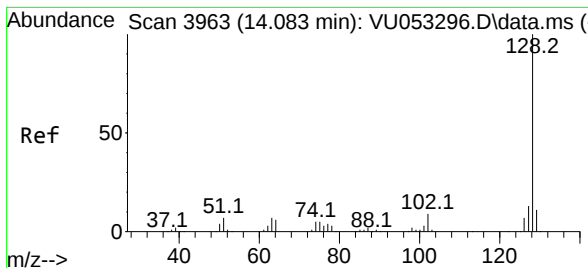
Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

145 33.4 27.2 40.8





#71

Naphthalene

Concen: 47.488 ug/L

RT: 14.079 min Scan# 3962

Delta R.T. -0.004 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD050168

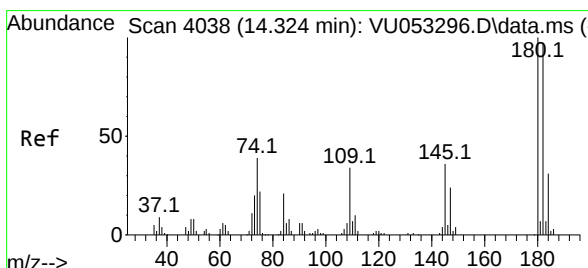
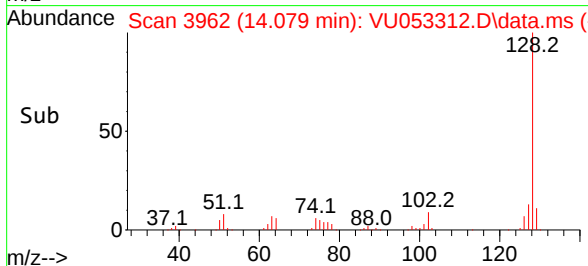
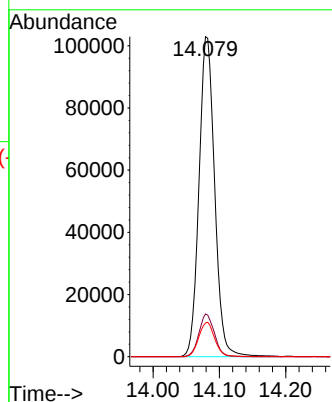
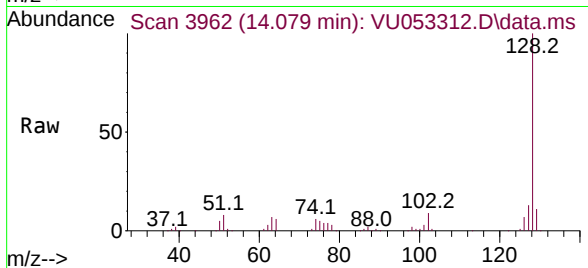
Tgt Ion:128 Resp: 169007

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 45.766 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.001 min

Lab File: VU053312.D

Acq: 20 Mar 2023 17:31

Tgt Ion:180 Resp: 45828

Ion Ratio Lower Upper

180 100

182 94.8 76.7 115.1

145 34.7 28.6 42.8

