

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031623\
 Data File : VU053240.D
 Acq On : 16 Mar 2023 20:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

Quant Time: Mar 17 02:45:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 17 02:34:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	150703	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	146851	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	77156	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	58013	41.726	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.460%
7) Chloroethane-d5	1.909	69	49392	43.920	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.840%
11) 1,1-Dichloroethene-d2	2.565	63	105110	43.642	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.280%
21) 2-Butanone-d5	4.613	46	72244	112.035	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.030%
24) Chloroform-d	5.057	84	106315	46.427	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.860%
26) 1,2-Dichloroethane-d4	5.694	65	65901	46.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.680%
32) Benzene-d6	5.722	84	214761	45.088	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.180%
36) 1,2-Dichloropropane-d6	6.684	67	71717	46.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.300%
41) Toluene-d8	7.893	98	195418	44.066	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.140%
43) trans-1,3-Dichloroprop...	8.173	79	34065	44.912	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.820%
47) 2-Hexanone-d5	8.626	63	53913	112.175	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.180%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	98935	49.680	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.360%
66) 1,2-Dichlorobenzene-d4	12.188	152	67373	45.097	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	76489	48.625	ug/L	98
3) Chloromethane	1.520	50	70539	48.665	ug/L	99
5) Vinyl chloride	1.604	62	78725	49.650	ug/L	100
6) Bromomethane	1.851	94	46440	48.725	ug/L	95
8) Chloroethane	1.932	64	46763	49.929	ug/L	97
9) Trichlorofluoromethane	2.137	101	95595	48.321	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	53655	44.834	ug/L	97
12) 1,1-Dichloroethene	2.578	96	50860	45.954	ug/L	94
13) Acetone	2.616	43	63434	86.373	ug/L	97
14) Carbon disulfide	2.790	76	153730	45.860	ug/L	98
15) Methyl Acetate	2.938	43	54221	53.863	ug/L	99
16) Methylene chloride	3.041	84	62774	46.753	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	53312	47.475	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	187159	49.565	ug/L	100
19) 1,1-Dichloroethane	3.861	63	112502	49.079	ug/L	100
20) cis-1,2-Dichloroethene	4.658	96	64012	48.532	ug/L	98
22) 2-Butanone	4.690	43	83840	100.203	ug/L	96
23) Bromochloromethane	4.967	128	29627	47.109	ug/L	93
25) Chloroform	5.083	83	111583	48.645	ug/L	98

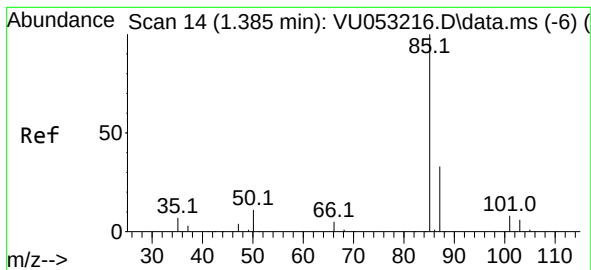
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031623\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	88788	49.034	ug/L	99
29) Cyclohexane	5.382	56	100969	46.143	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	93012	46.467	ug/L	99
31) Carbon tetrachloride	5.520	117	75370	45.960	ug/L	99
33) Benzene	5.767	78	246130	48.344	ug/L	100
34) Trichloroethene	6.536	95	61950	46.667	ug/L	100
35) Methylcyclohexane	6.758	83	105129	45.179	ug/L	99
37) 1,2-Dichloropropane	6.784	63	69979	49.266	ug/L	100
38) Bromodichloromethane	7.099	83	82757	46.817	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	110582	47.385	ug/L	99
40) 4-Methyl-2-pentanone	7.783	43	158930	108.858	ug/L	99
42) Toluene	7.964	91	260130	47.526	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	101558	47.608	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	61565	47.600	ug/L	99
46) Tetrachloroethene	8.549	164	39430	45.655	ug/L	99
48) 2-Hexanone	8.677	43	124503	101.837	ug/L	100
49) Dibromochloromethane	8.803	129	60024	45.368	ug/L	96
50) 1,2-Dibromoethane	8.918	107	67534	49.003	ug/L	98
51) Chlorobenzene	9.443	112	160591	47.076	ug/L	99
52) Ethylbenzene	9.565	91	290285	46.767	ug/L	100
53) m,p-Xylene	9.687	106	109423	47.233	ug/L	99
54) o-Xylene	10.095	106	106495	46.478	ug/L	99
55) Styrene	10.108	104	181131	47.432	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	106834	50.381	ug/L	97
59) Bromoform	10.285	173	41013	46.710	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	79552	51.887	ug/L	99
61) Isopropylbenzene	10.478	105	287226	47.116	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	234651	46.501	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	229187	46.595	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	115718	45.261	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	119323	46.490	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	116541	45.606	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	21971	51.823	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	72939	44.997	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	68633	47.123	ug/L	97
71) Naphthalene	14.082	128	270675	55.137	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	70867	51.308	ug/L	98

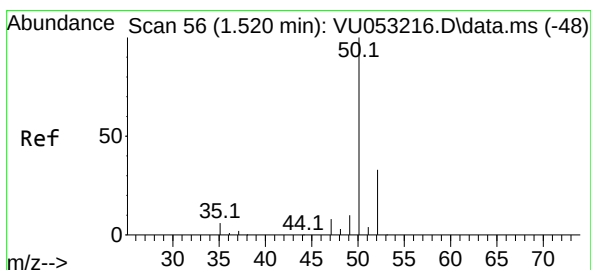
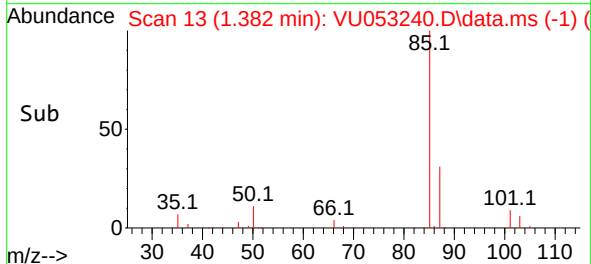
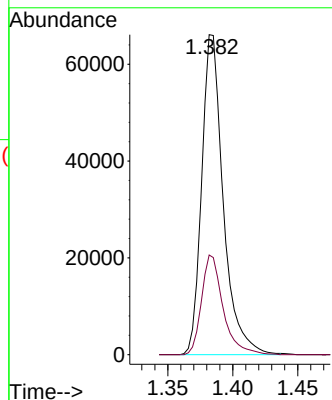
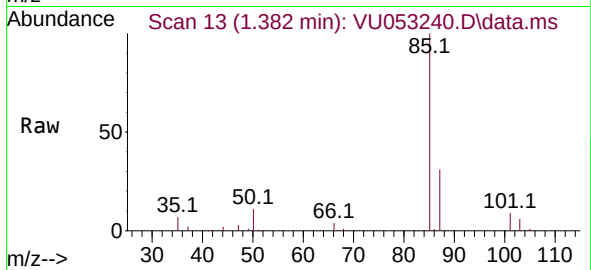
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 48.625 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

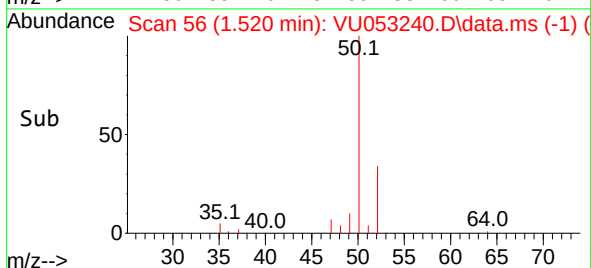
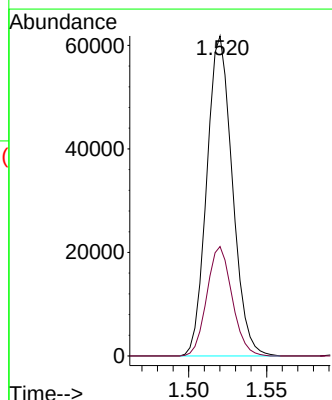
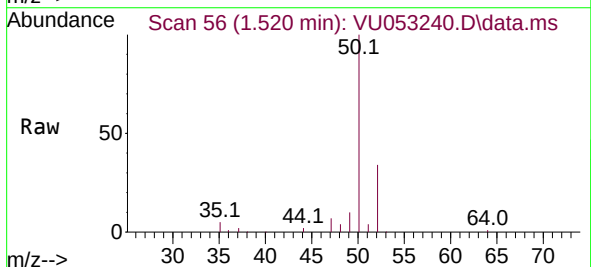
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

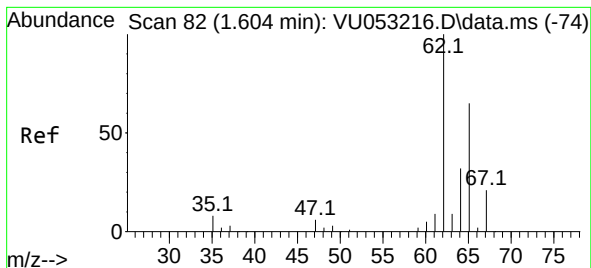
Tgt Ion: 85 Resp: 76489
Ion Ratio Lower Upper
85 100
87 31.1 25.8 38.8



#3
Chloromethane
Concen: 48.665 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion: 50 Resp: 70539
Ion Ratio Lower Upper
50 100
52 34.2 23.4 43.4





#5

Vinyl chloride

Concen: 49.650 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

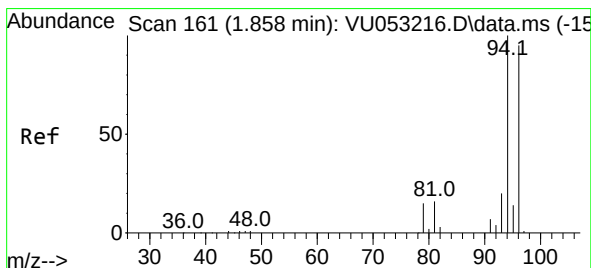
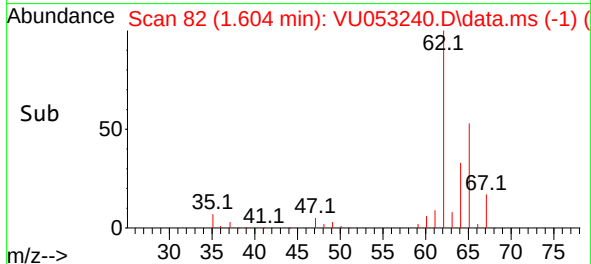
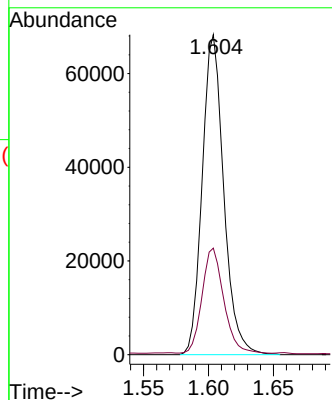
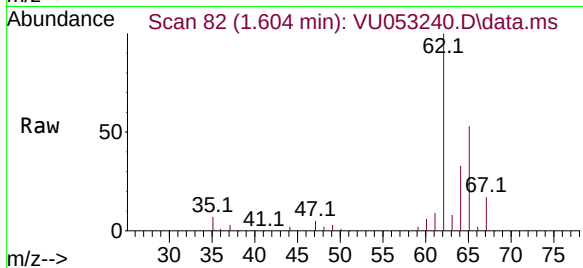
VSTD050162

Tgt Ion: 62 Resp: 78725

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.0



#6

Bromomethane

Concen: 48.725 ug/L

RT: 1.851 min Scan# 159

Delta R.T. -0.007 min

Lab File: VU053240.D

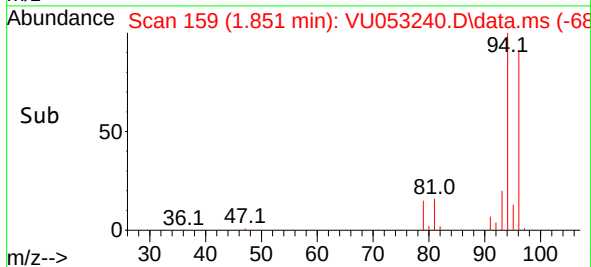
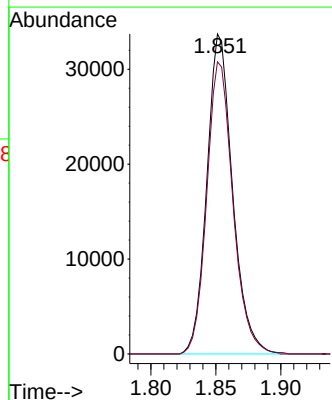
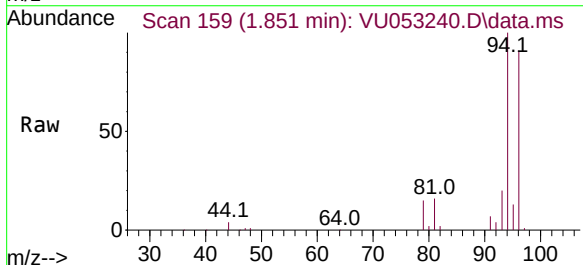
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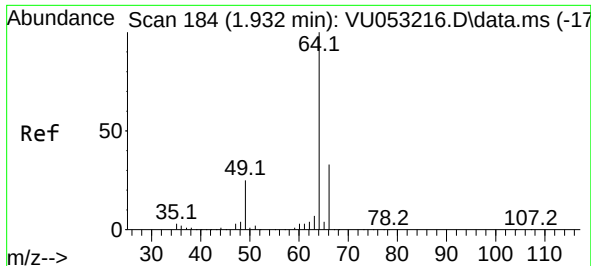
Tgt Ion: 94 Resp: 46440

Ion Ratio Lower Upper

94 100

96 91.3 67.5 125.3

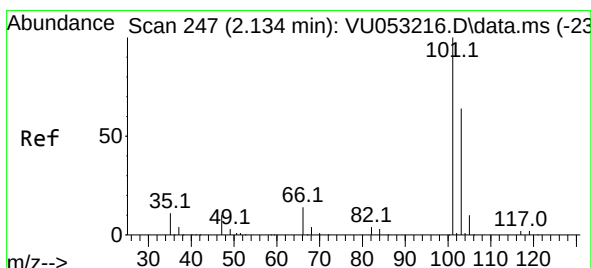
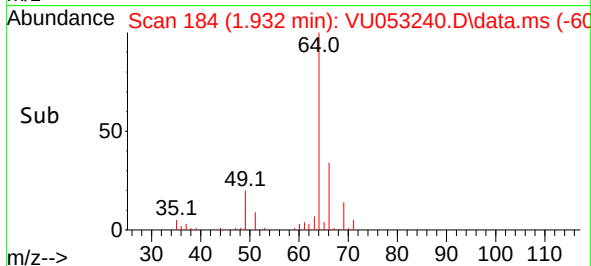
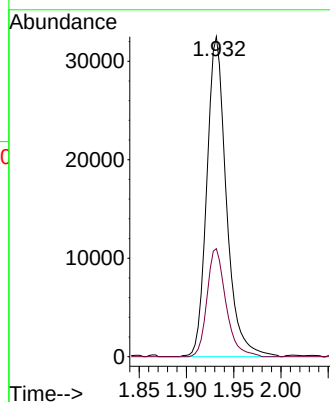
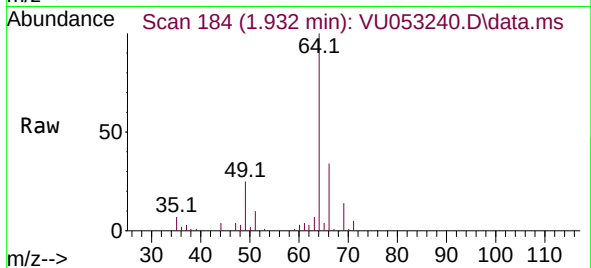




#8
Chloroethane
Concen: 49.929 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

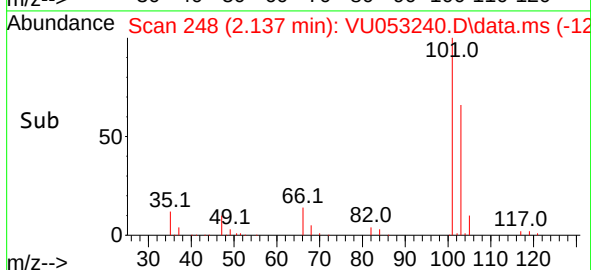
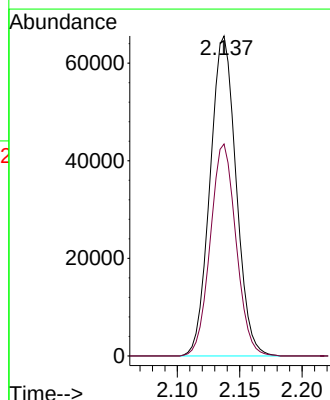
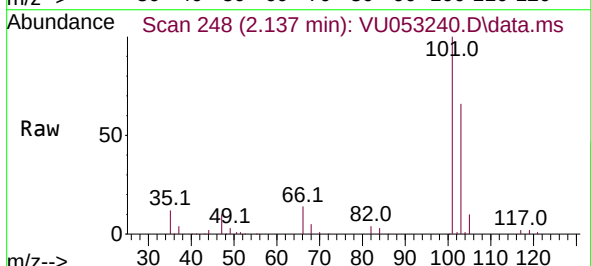
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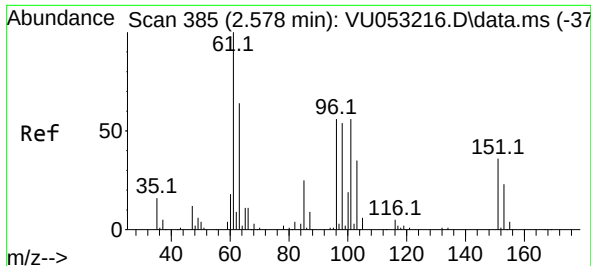
Tgt Ion: 64 Resp: 46763
Ion Ratio Lower Upper
64 100
66 33.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 48.321 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion:101 Resp: 95595
Ion Ratio Lower Upper
101 100
103 65.3 52.0 78.0

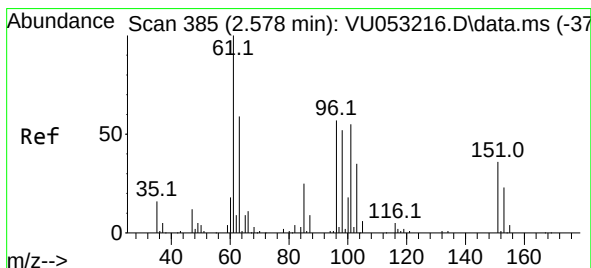
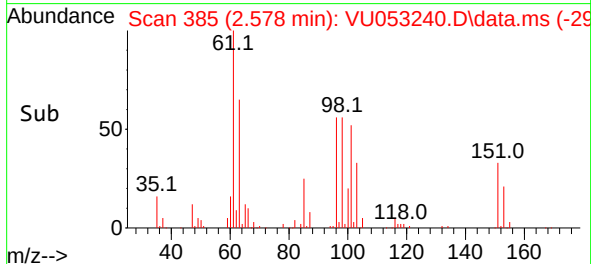
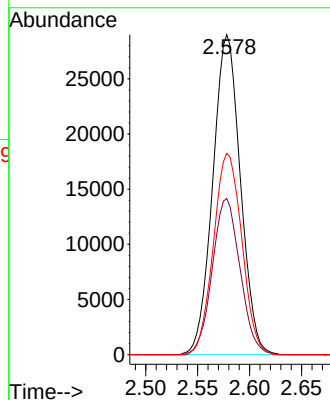
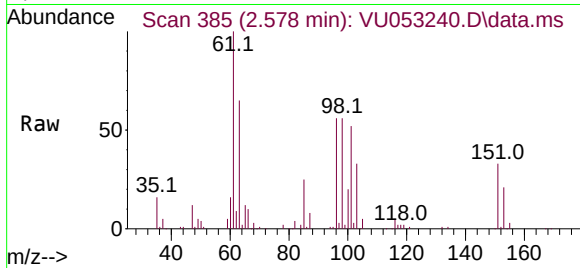




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.834 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053240.D
 Acq: 16 Mar 2023 20:37

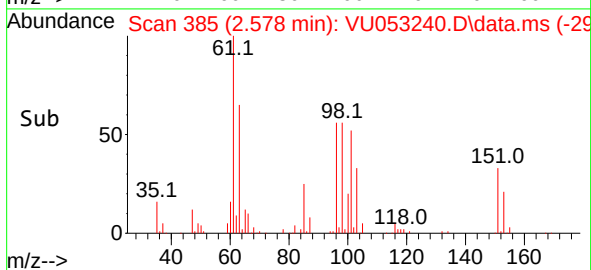
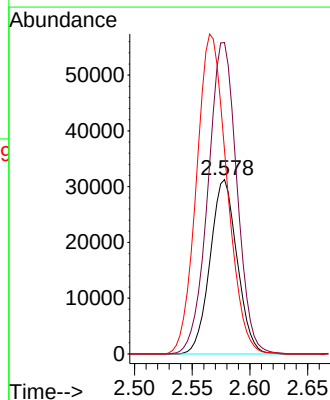
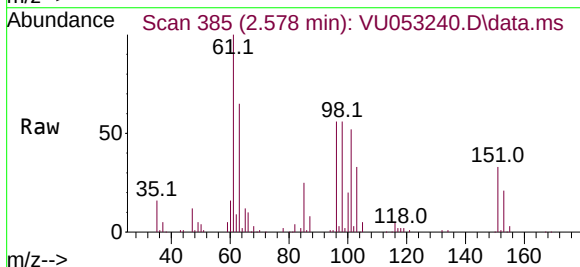
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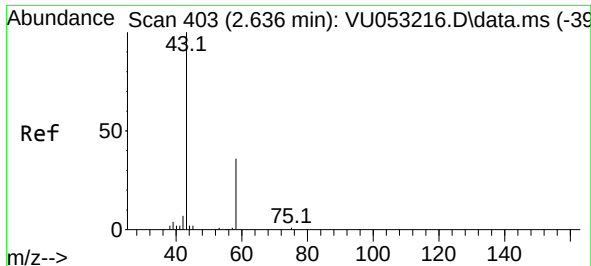
Tgt Ion:101 Resp: 53655
 Ion Ratio Lower Upper
 101 100
 85 49.0 37.0 55.6
 151 64.7 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 45.954 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053240.D
 Acq: 16 Mar 2023 20:37

Tgt Ion: 96 Resp: 50860
 Ion Ratio Lower Upper
 96 100
 61 178.6 122.2 226.9
 63 116.8 89.9 166.9





#13

Acetone

Concen: 86.373 ug/L

RT: 2.616 min Scan# 397

Delta R.T. -0.019 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

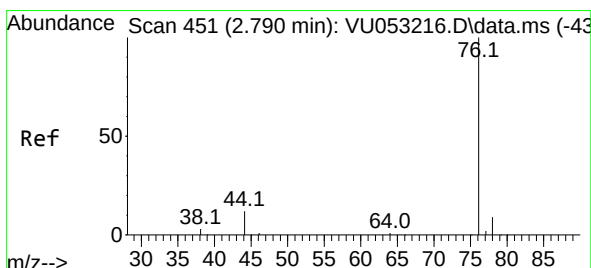
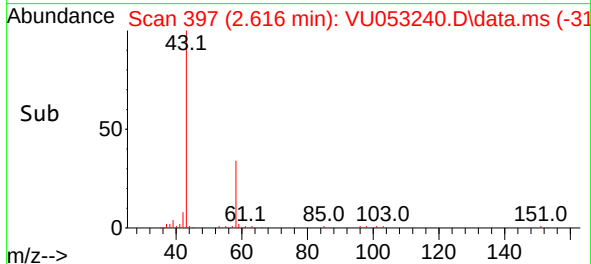
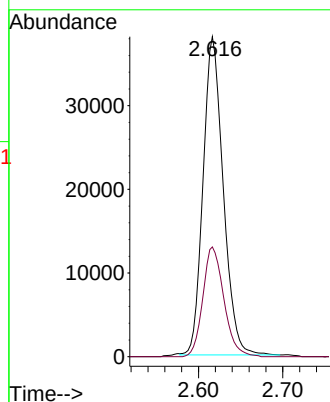
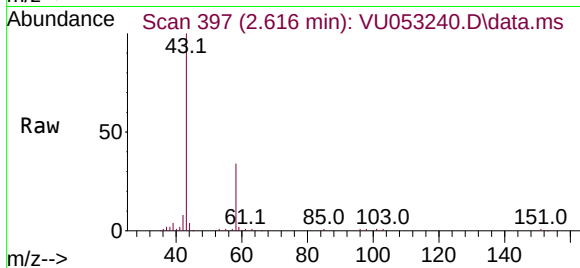
VSTD050162

Tgt Ion: 43 Resp: 63434

Ion Ratio Lower Upper

43 100

58 35.9 0.0 75.0



#14

Carbon disulfide

Concen: 45.860 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU053240.D

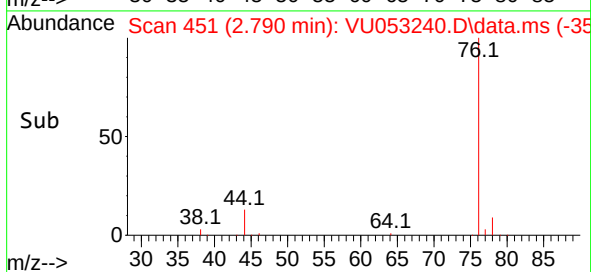
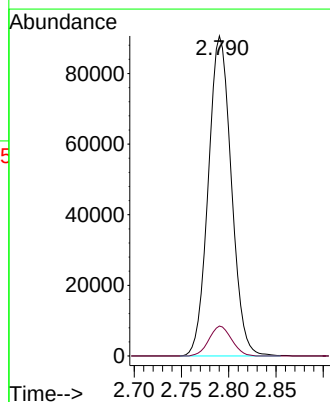
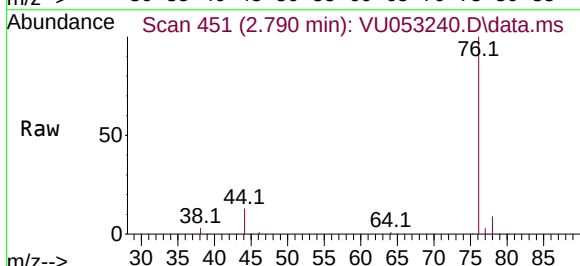
Acq: 16 Mar 2023 20:37

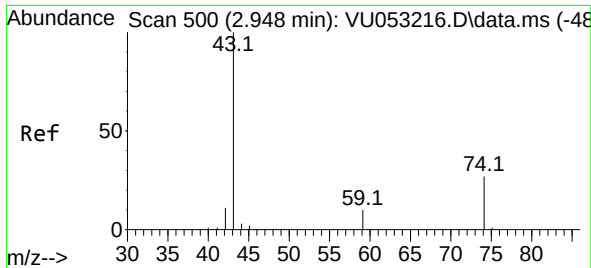
Tgt Ion: 76 Resp: 153730

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

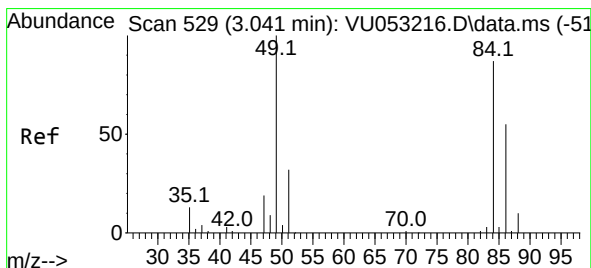
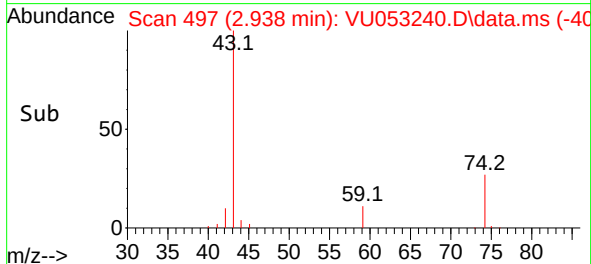
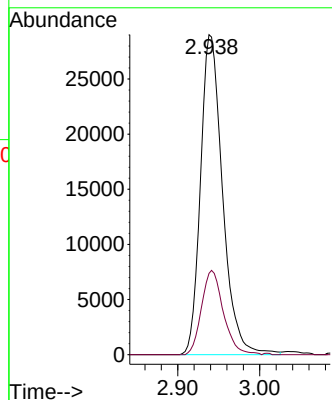
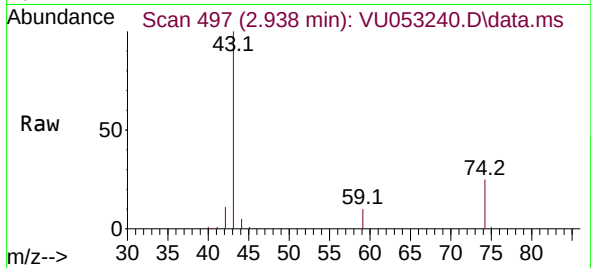




#15
Methyl Acetate
Concen: 53.863 ug/L
RT: 2.938 min Scan# 497
Delta R.T. -0.010 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

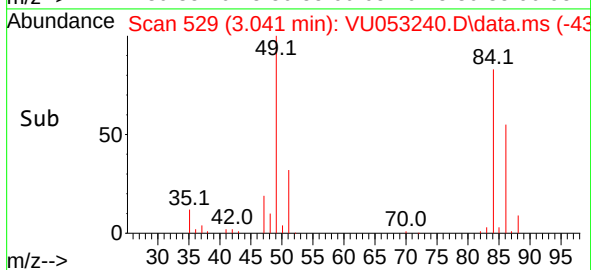
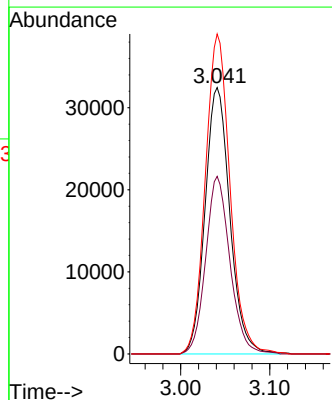
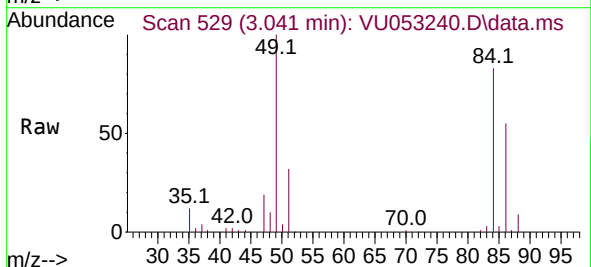
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

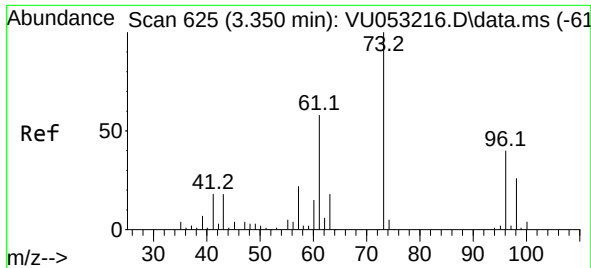
Tgt Ion: 43 Resp: 54221
Ion Ratio Lower Upper
43 100
74 26.1 21.4 32.0



#16
Methylene chloride
Concen: 46.753 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion: 84 Resp: 62774
Ion Ratio Lower Upper
84 100
86 66.6 44.4 82.4
49 120.1 81.6 151.6

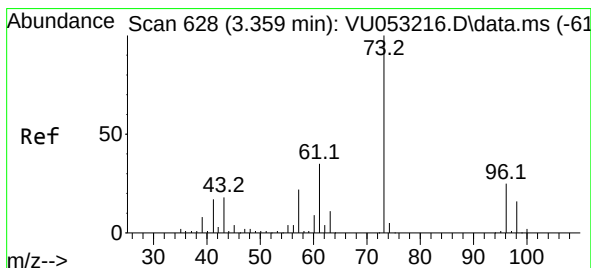
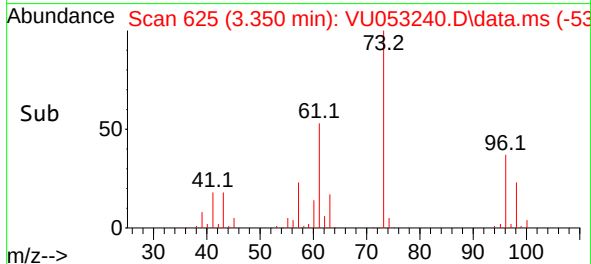
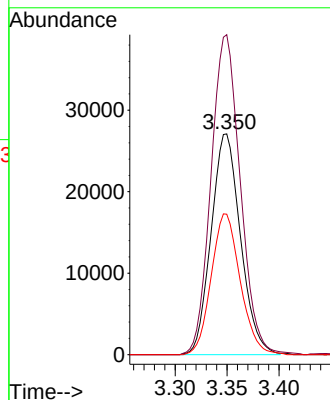
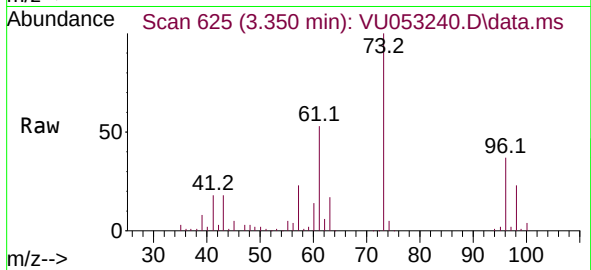




#17
trans-1,2-Dichloroethene
Concen: 47.475 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

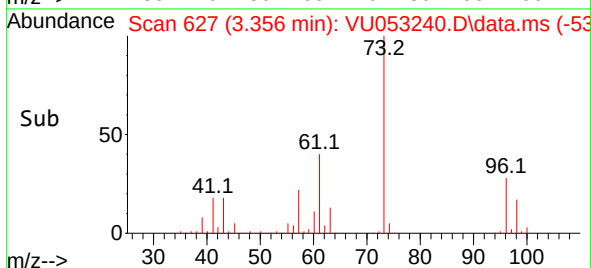
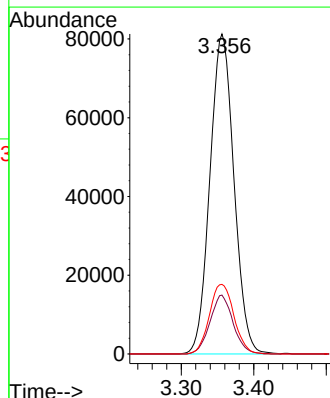
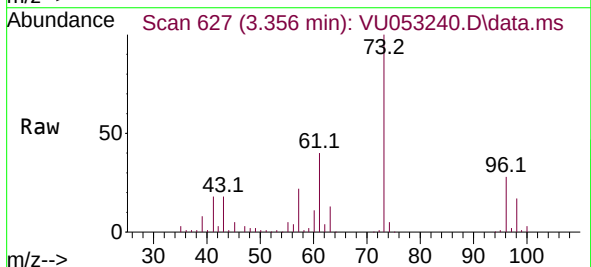
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

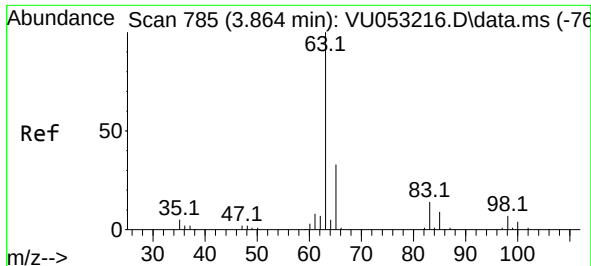
Tgt Ion: 96 Resp: 53312
Ion Ratio Lower Upper
96 100
61 144.9 99.6 185.0
98 63.6 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 49.565 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion: 73 Resp: 187159
Ion Ratio Lower Upper
73 100
43 17.7 14.2 21.2
57 22.2 18.0 27.0





#19

1,1-Dichloroethane

Concen: 49.079 ug/L

RT: 3.861 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

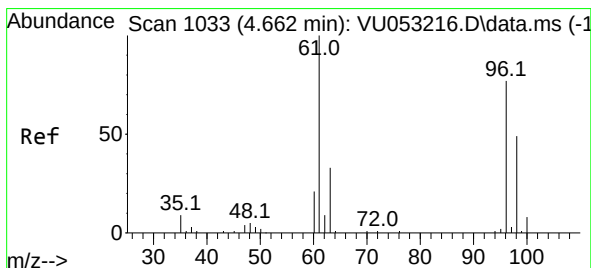
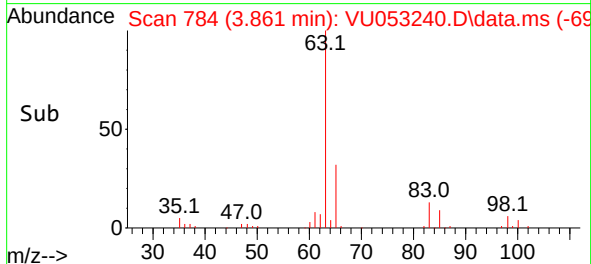
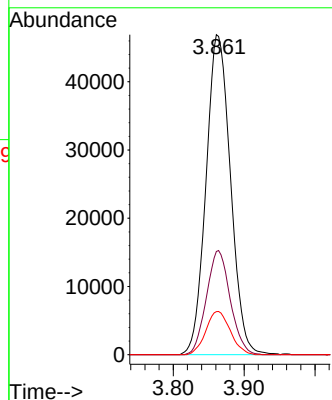
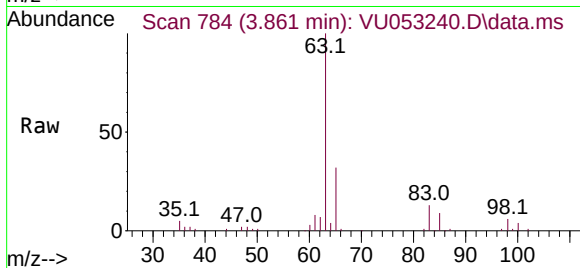
Tgt Ion: 63 Resp: 112502

Ion Ratio Lower Upper

63 100

65 32.2 22.8 42.4

83 13.5 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 48.532 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

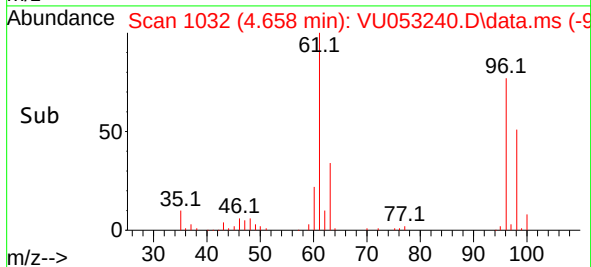
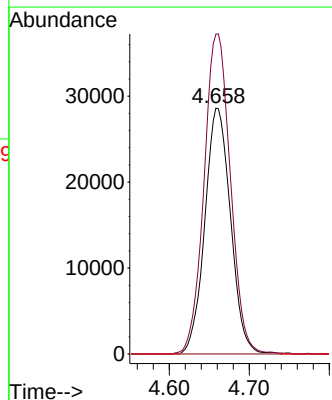
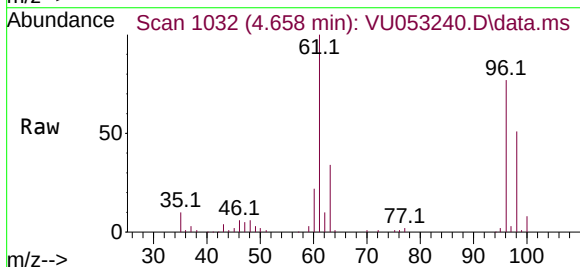
Tgt Ion: 96 Resp: 64012

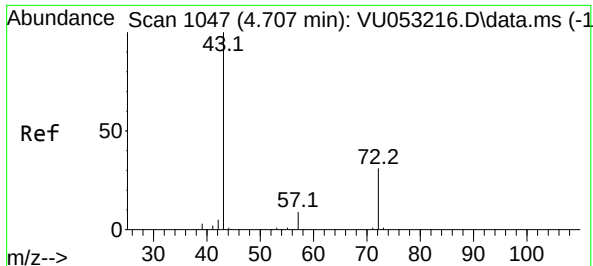
Ion Ratio Lower Upper

96 100

61 130.0 92.5 171.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.203 ug/L

RT: 4.690 min Scan# 1

Delta R.T. -0.016 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

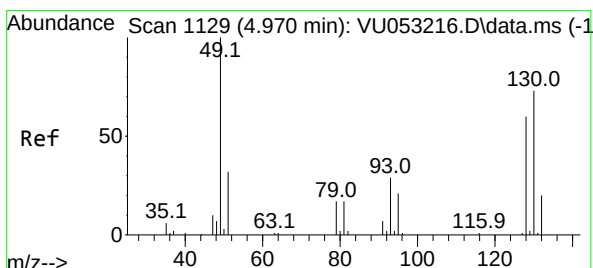
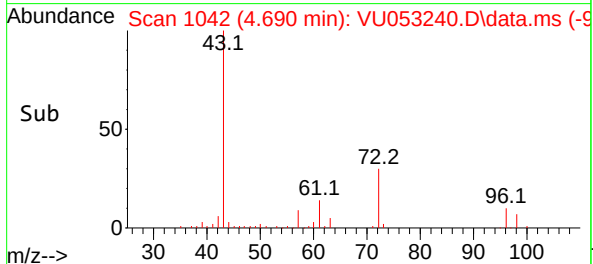
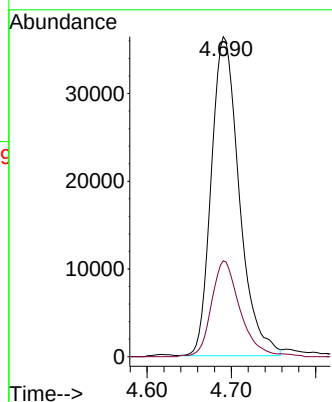
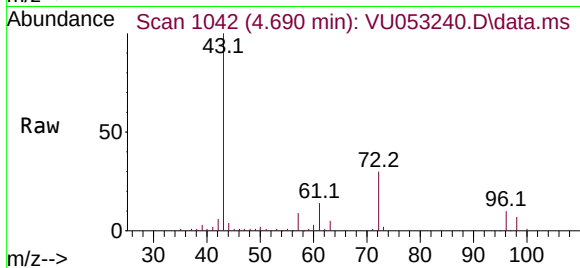
VSTD050162

Tgt Ion: 43 Resp: 83840

Ion Ratio Lower Upper

43 100

72 29.7 16.0 47.9



#23

Bromochloromethane

Concen: 47.109 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Tgt Ion:128 Resp: 29627

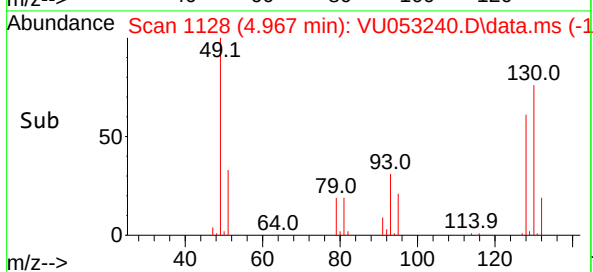
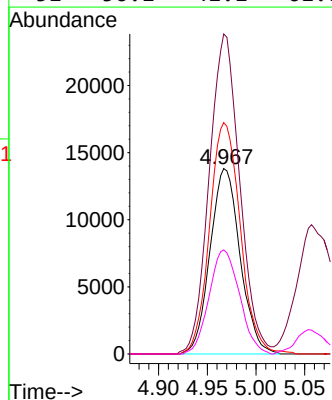
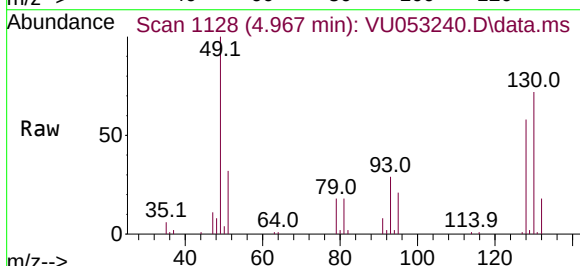
Ion Ratio Lower Upper

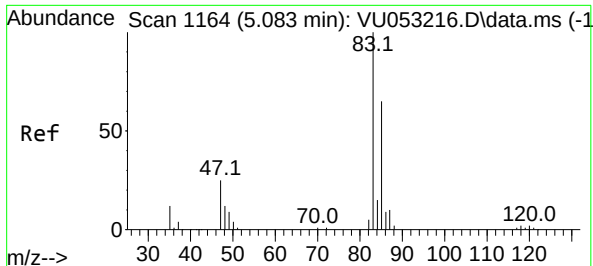
128 100

49 172.6 109.9 204.1

130 124.8 87.2 161.9

51 56.1 41.1 61.7

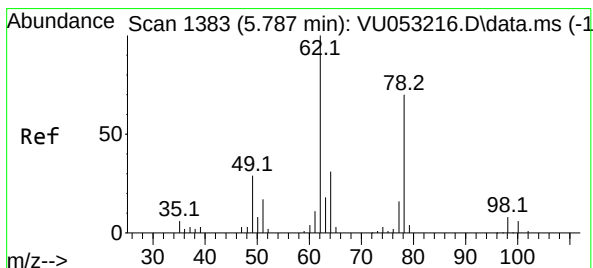
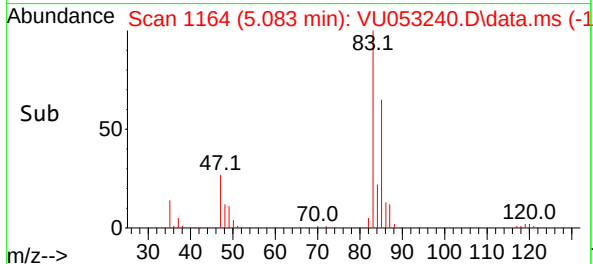
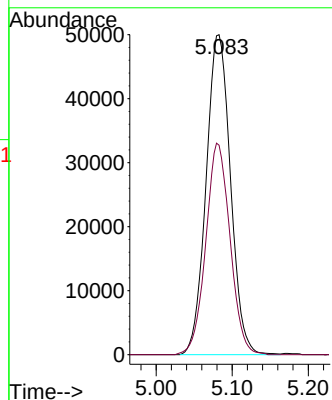
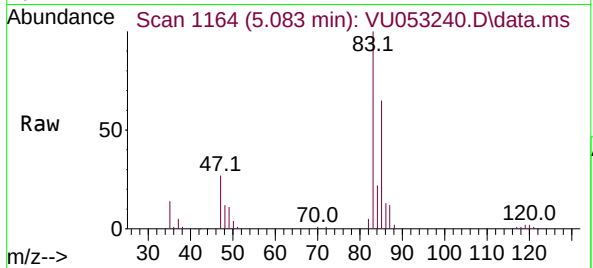




#25
Chloroform
Concen: 48.645 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

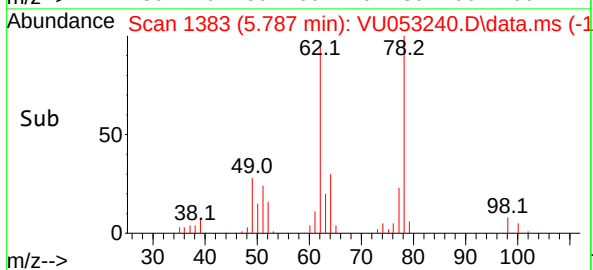
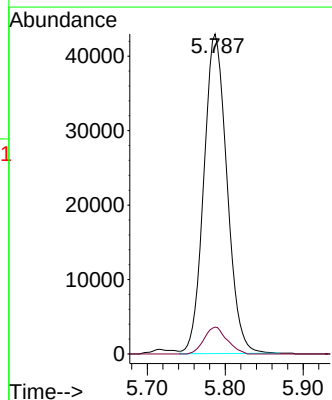
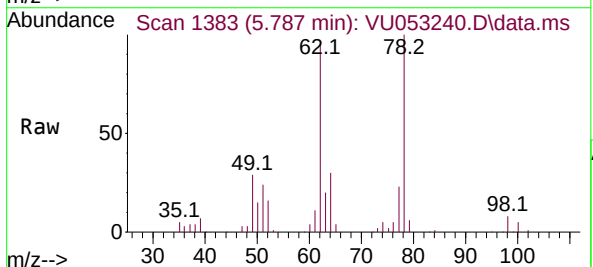
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

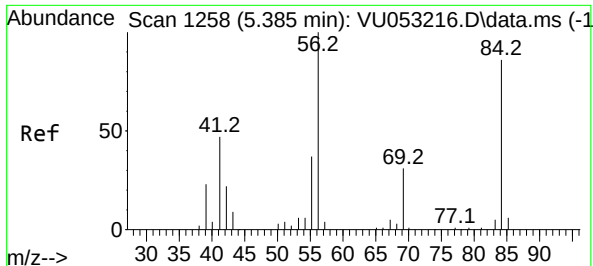
Tgt Ion: 83 Resp: 111583
Ion Ratio Lower Upper
83 100
85 65.4 44.9 83.3



#27
1,2-Dichloroethane
Concen: 49.034 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion: 62 Resp: 88788
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6





#29

Cyclohexane

Concen: 46.143 ug/L

RT: 5.382 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

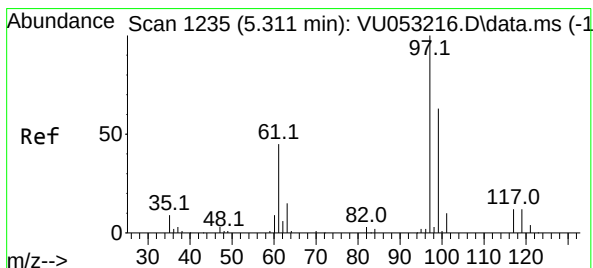
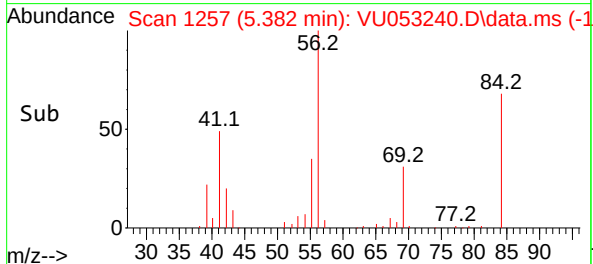
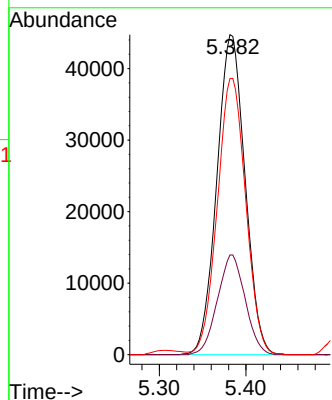
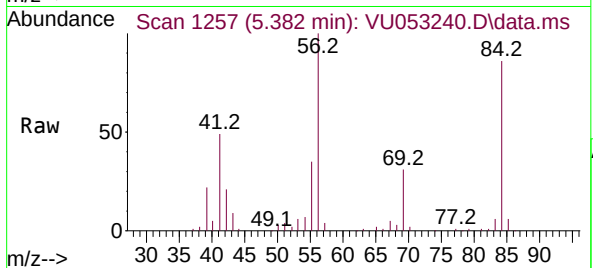
Tgt Ion: 56 Resp: 100969

Ion Ratio Lower Upper

56 100

69 30.6 25.4 38.0

84 86.9 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 46.467 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

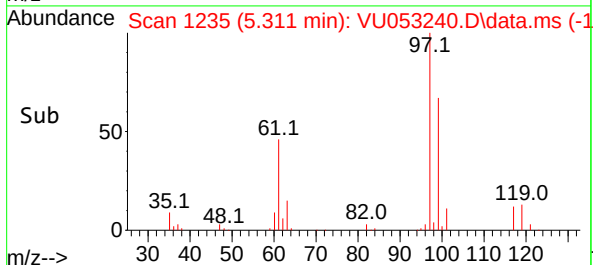
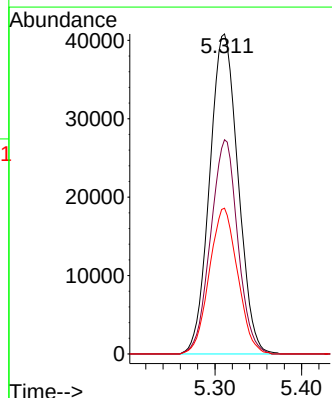
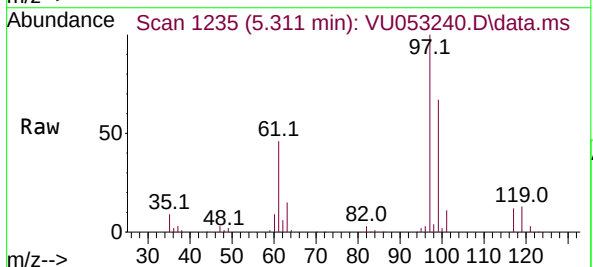
Tgt Ion: 97 Resp: 93012

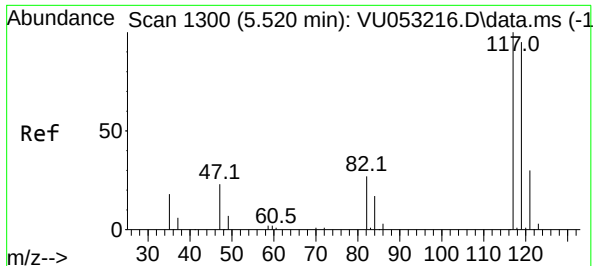
Ion Ratio Lower Upper

97 100

99 64.1 50.6 76.0

61 45.4 36.0 54.0

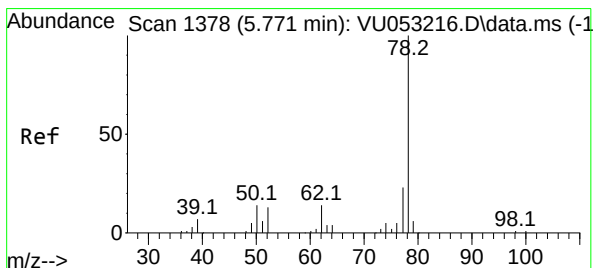
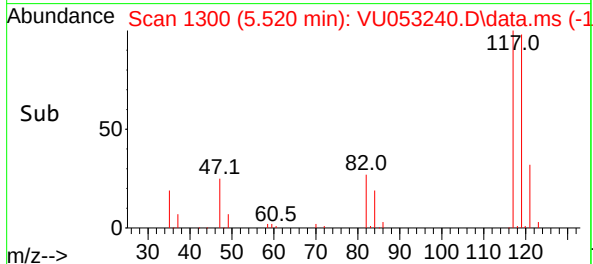
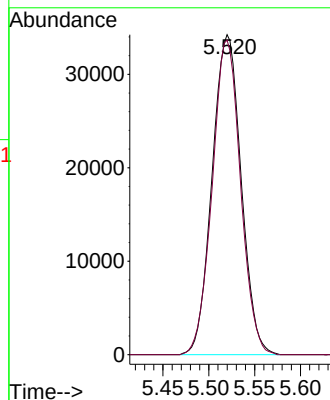
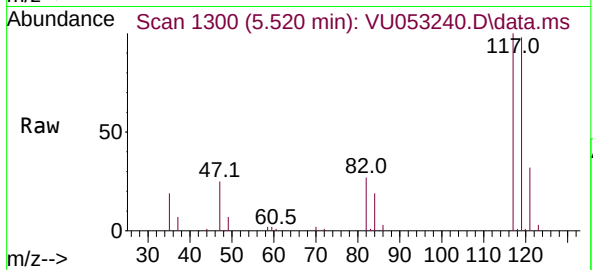




#31
Carbon tetrachloride
Concen: 45.960 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

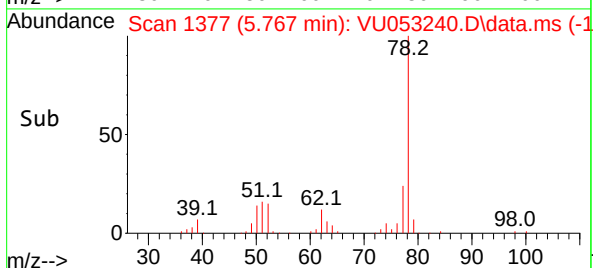
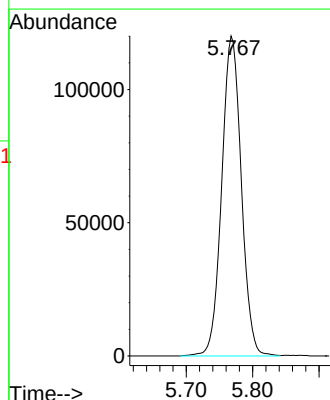
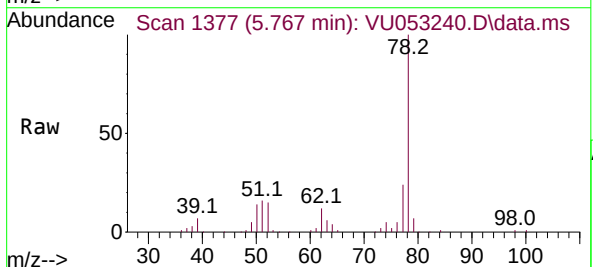
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

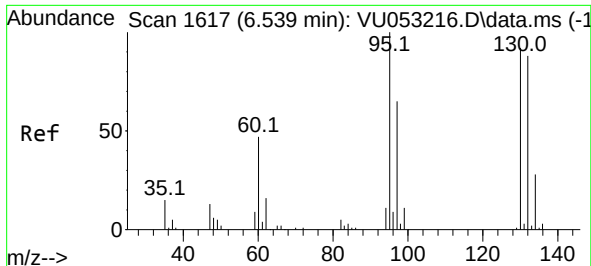
Tgt Ion:117 Resp: 75370
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2



#33
Benzene
Concen: 48.344 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion: 78 Resp: 246130

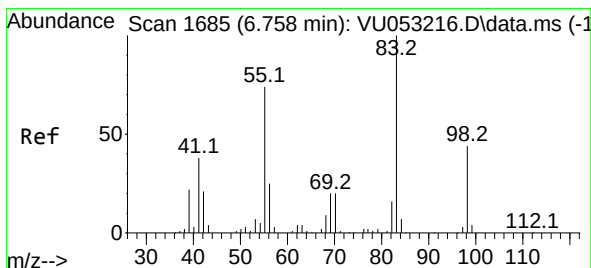
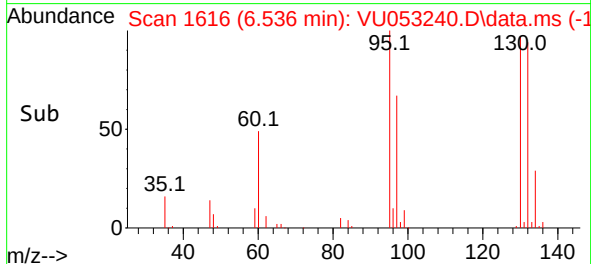
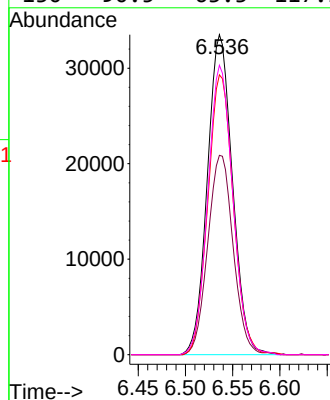
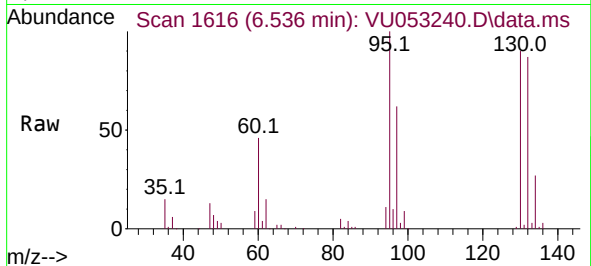




#34
Trichloroethene
Concen: 46.667 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

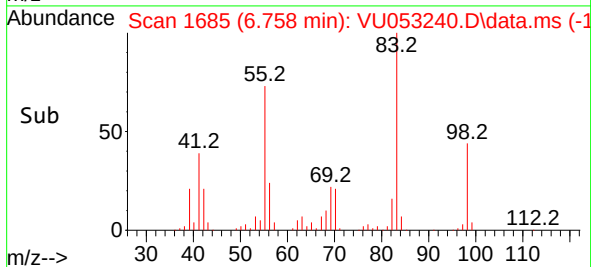
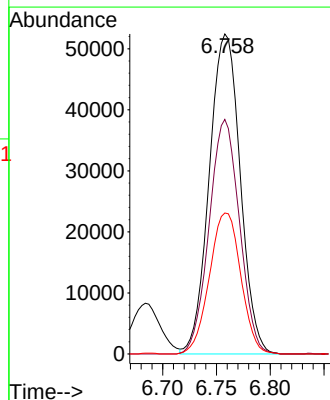
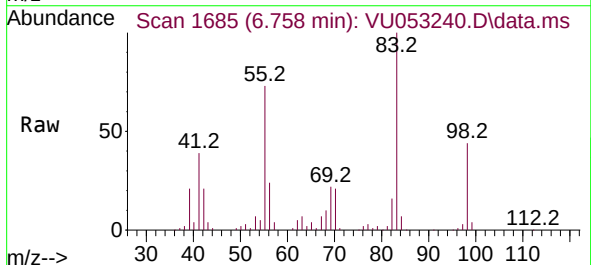
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

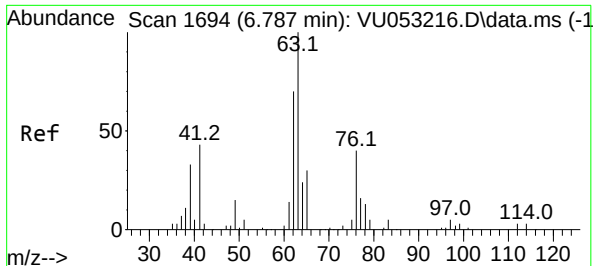
Tgt Ion: 95 Resp: 61950
Ion Ratio Lower Upper
95 100
97 62.3 43.8 81.3
132 87.5 61.5 114.3
130 90.5 63.3 117.5



#35
Methylcyclohexane
Concen: 45.179 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion: 83 Resp: 105129
Ion Ratio Lower Upper
83 100
55 71.7 58.2 87.4
98 44.6 35.4 53.2





#37

1,2-Dichloropropane

Concen: 49.266 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

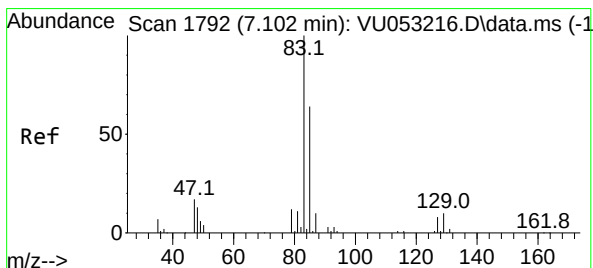
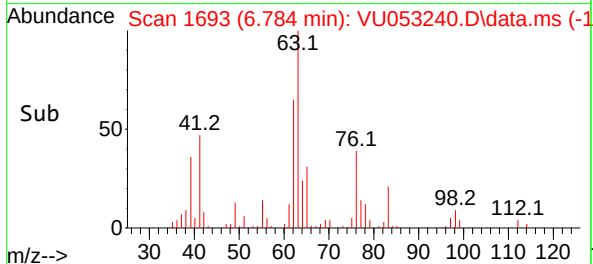
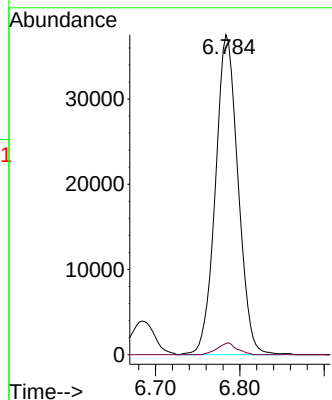
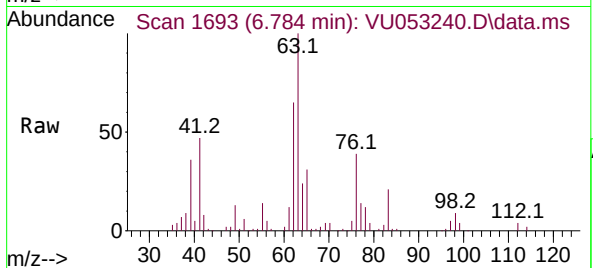
VSTD050162

Tgt Ion: 63 Resp: 69979

Ion Ratio Lower Upper

63 100

112 3.2 2.6 3.8



#38

Bromodichloromethane

Concen: 46.817 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

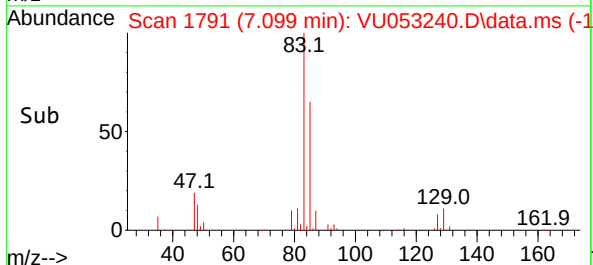
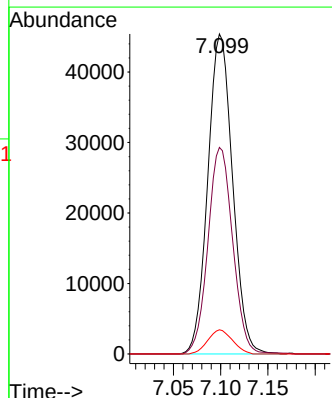
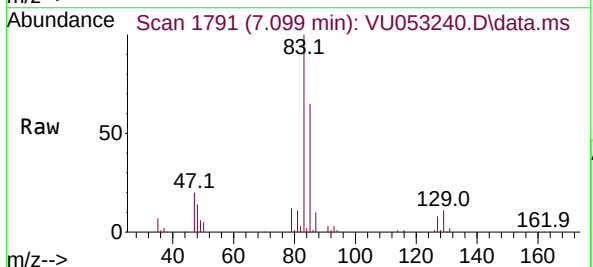
Tgt Ion: 83 Resp: 82757

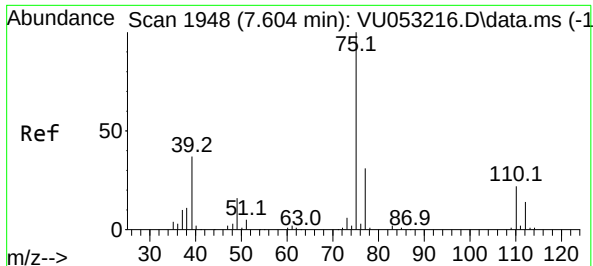
Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.2

127 7.6 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 47.385 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

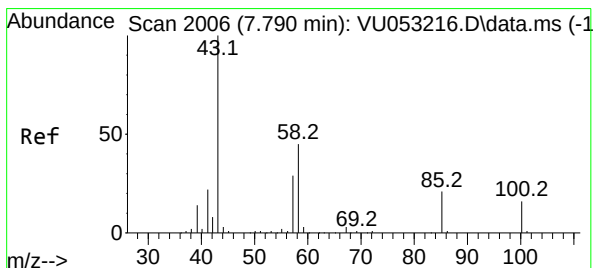
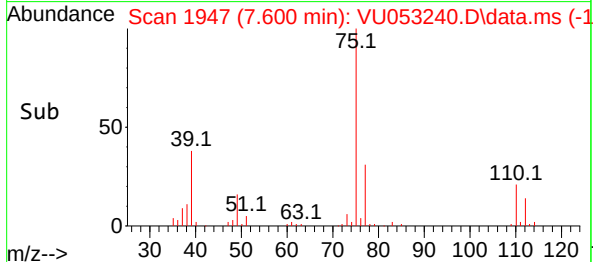
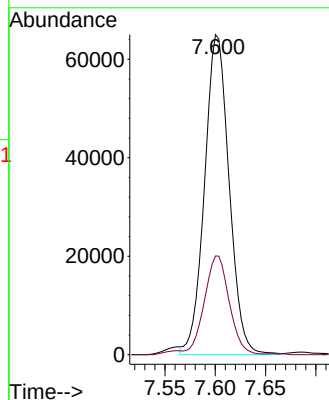
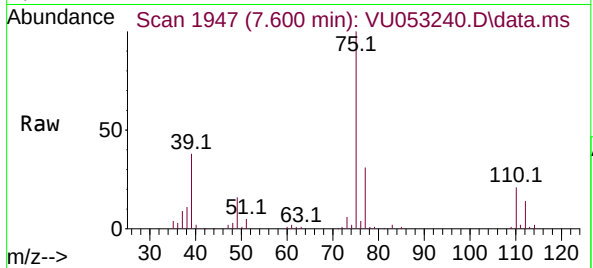
VSTD050162

Tgt Ion: 75 Resp: 110582

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 108.858 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.007 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

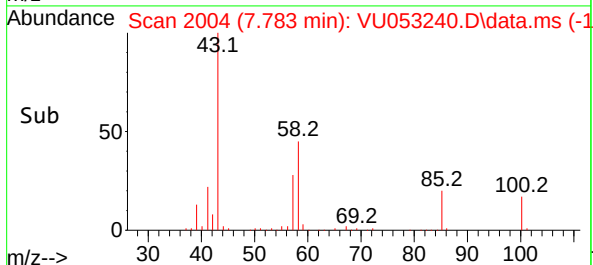
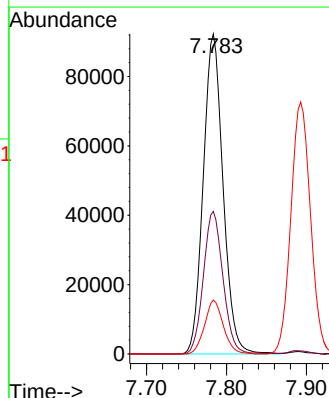
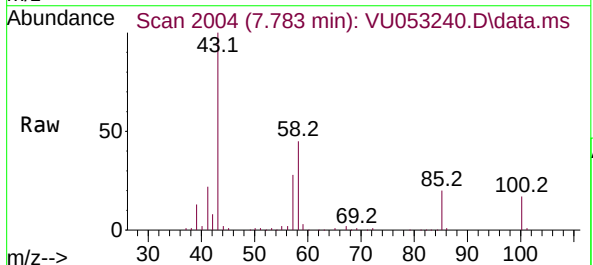
Tgt Ion: 43 Resp: 158930

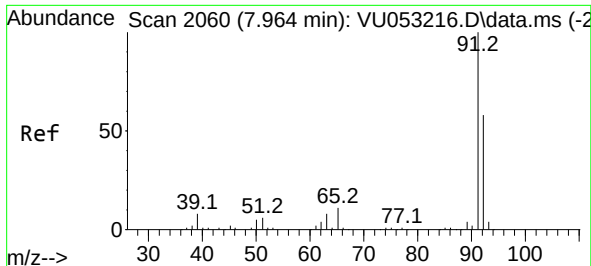
Ion Ratio Lower Upper

43 100

58 44.0 35.8 53.6

100 15.9 13.0 19.6





#42

Toluene

Concen: 47.526 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

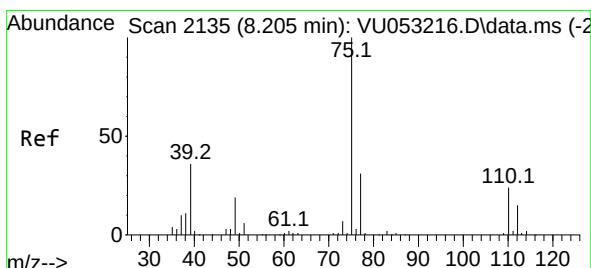
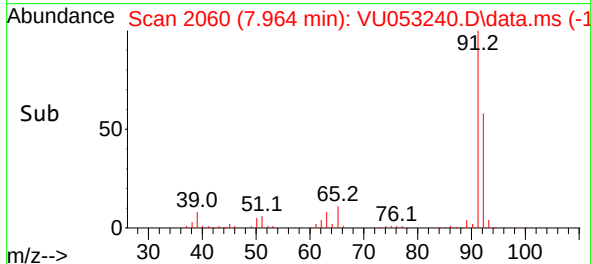
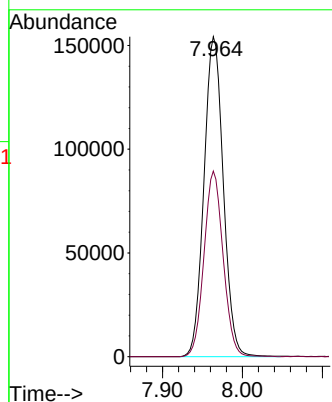
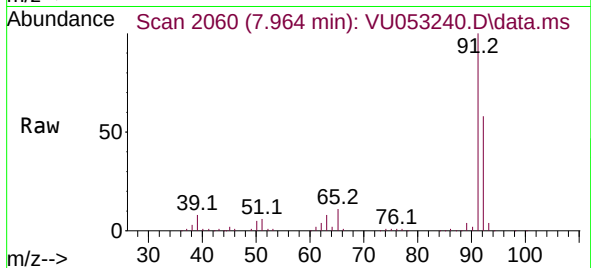
VSTD050162

Tgt Ion: 91 Resp: 260130

Ion Ratio Lower Upper

91 100

92 58.0 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 47.608 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053240.D

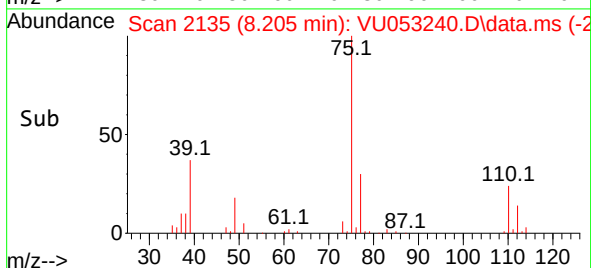
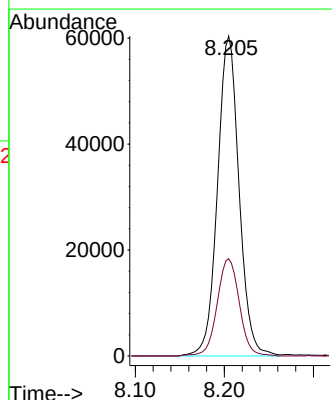
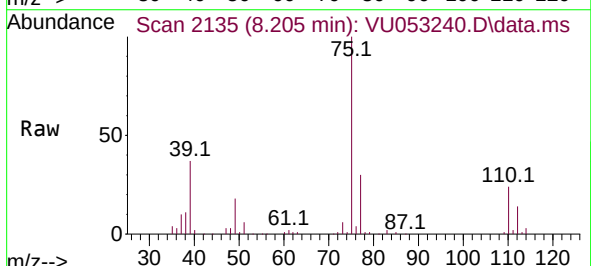
Acq: 16 Mar 2023 20:37

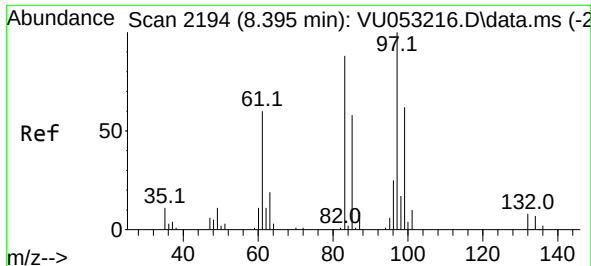
Tgt Ion: 75 Resp: 101558

Ion Ratio Lower Upper

75 100

77 30.4 22.0 40.8



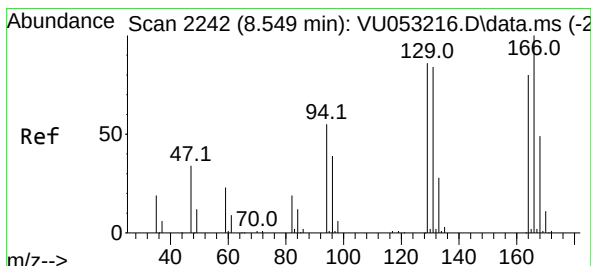
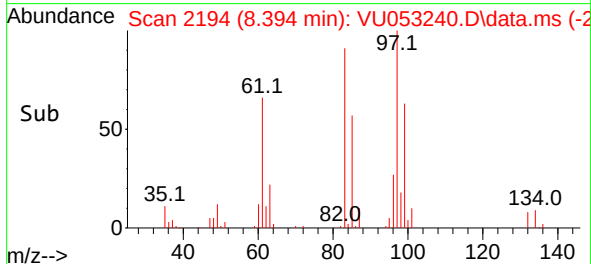
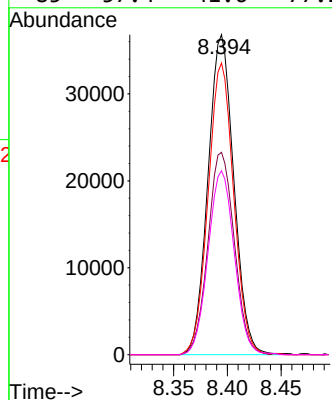
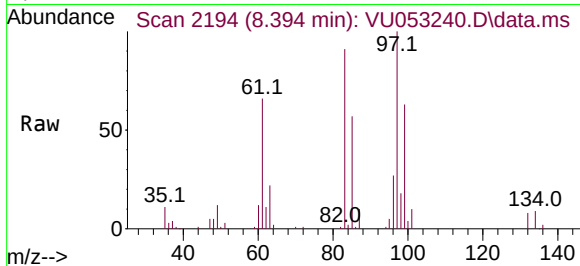


#45
1,1,2-Trichloroethane
Concen: 47.600 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

Tgt Ion: 97 Resp: 61565

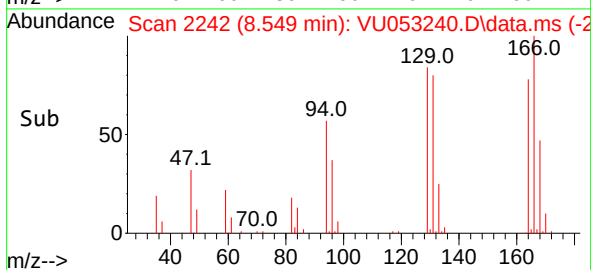
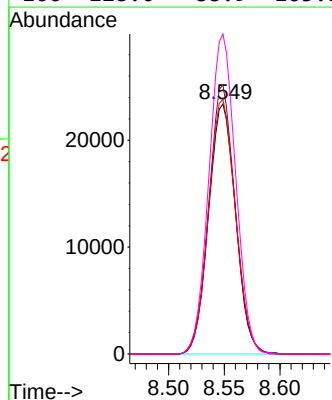
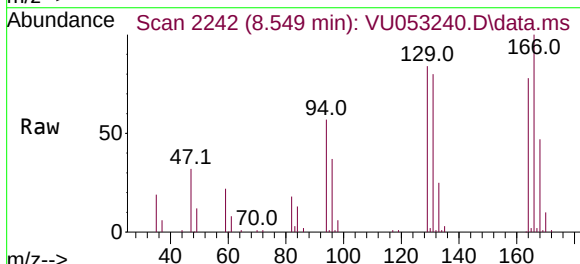
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.4	82.4
83	91.1	63.8	118.6
85	57.4	41.6	77.2

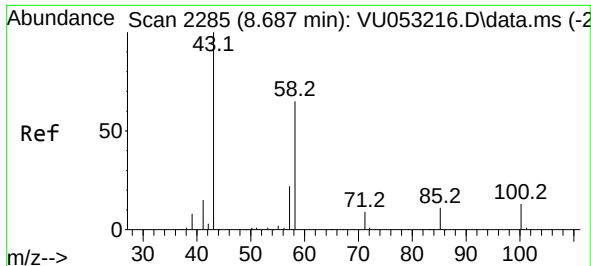


#46
Tetrachloroethene
Concen: 45.655 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion: 164 Resp: 39430

Ion	Ratio	Lower	Upper
164	100		
129	107.6	73.6	136.8
131	101.9	70.3	130.7
166	128.0	88.9	165.1

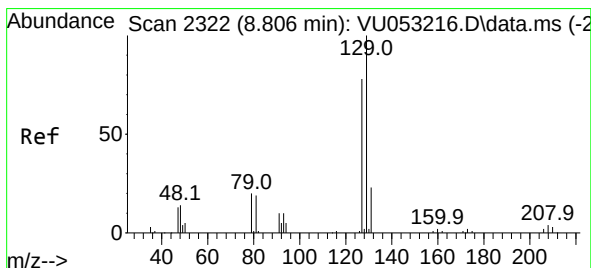
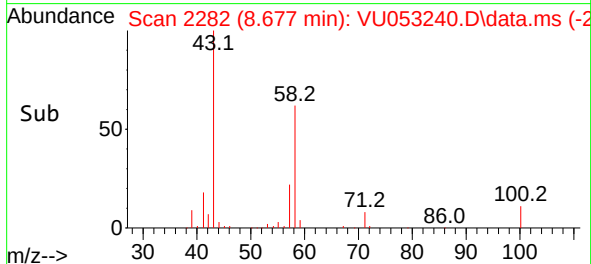
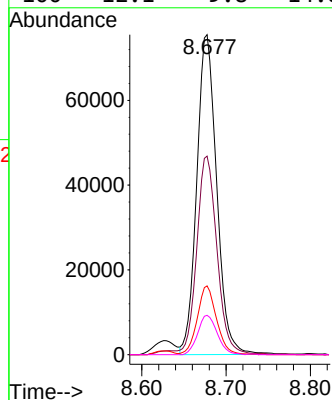
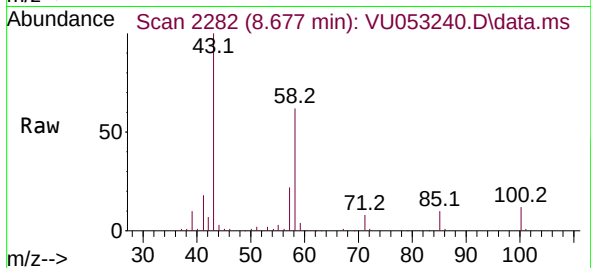




#48
2-Hexanone
Concen: 101.837 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.010 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

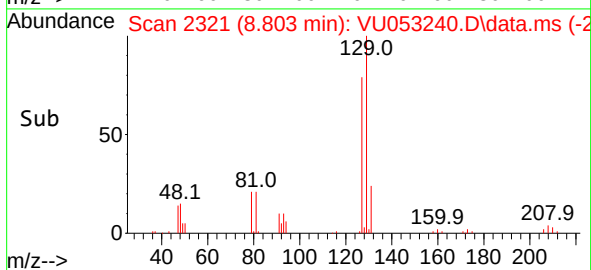
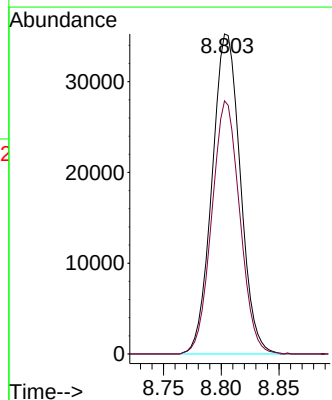
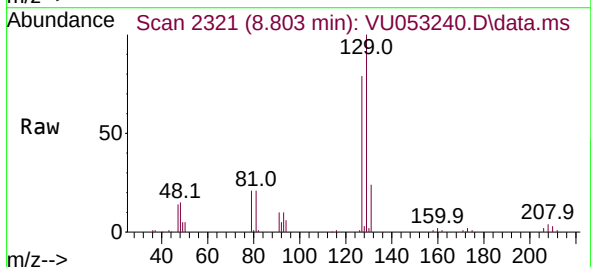
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

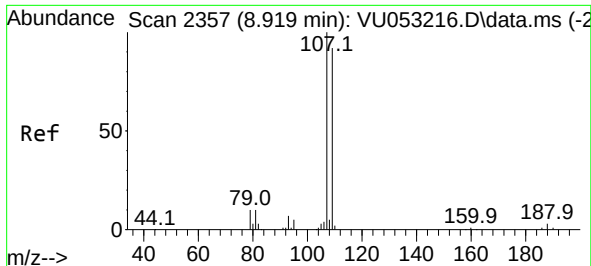
Tgt Ion:	43	Resp:	124503
Ion	Ratio	Lower	Upper
43	100		
58	61.9	49.4	74.0
57	20.8	16.9	25.3
100	12.1	9.8	14.8



#49
Dibromochloromethane
Concen: 45.368 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion:	129	Resp:	60024
Ion	Ratio	Lower	Upper
129	100		
127	79.1	53.1	98.5





#50

1,2-Dibromoethane

Concen: 49.003 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

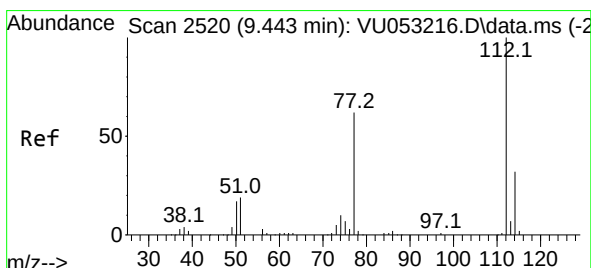
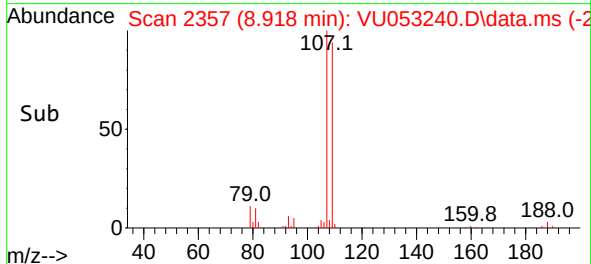
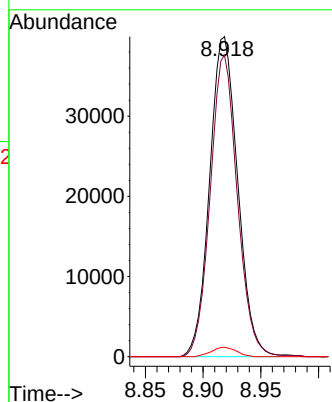
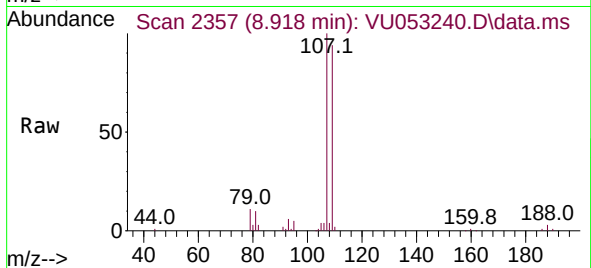
Tgt Ion:107 Resp: 67534

Ion Ratio Lower Upper

107 100

109 94.3 64.6 120.0

188 2.9 2.2 3.4



#51

Chlorobenzene

Concen: 47.076 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

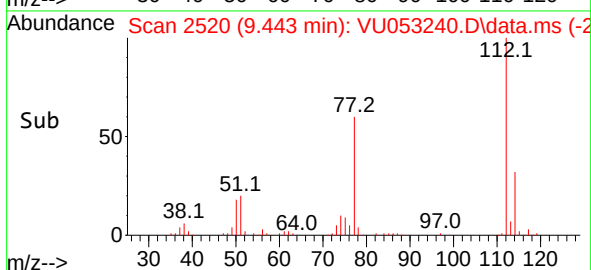
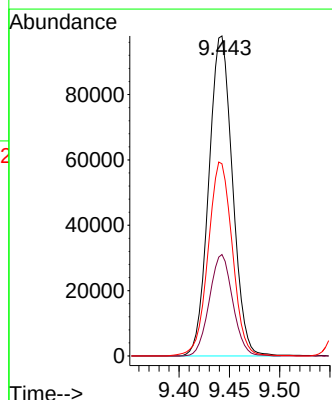
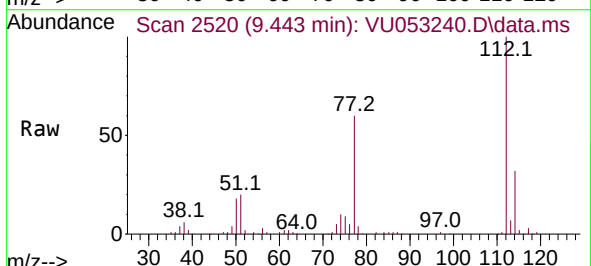
Tgt Ion:112 Resp: 160591

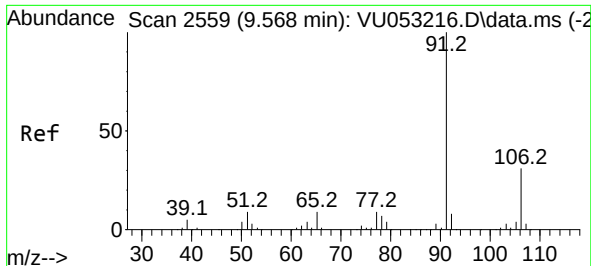
Ion Ratio Lower Upper

112 100

114 31.7 21.8 40.6

77 60.1 48.8 73.2

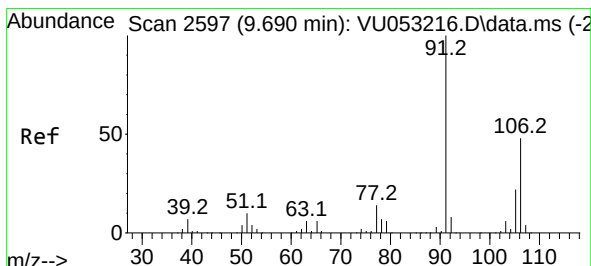
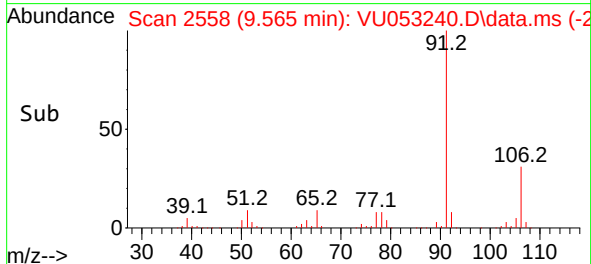
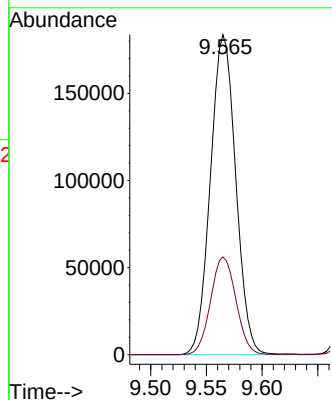
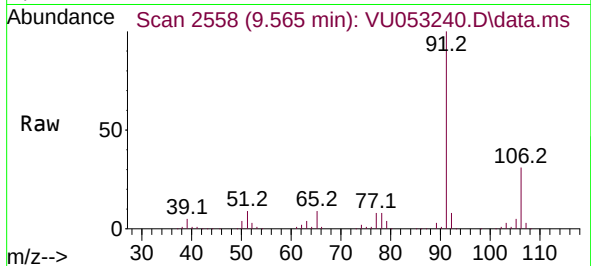




#52
Ethylbenzene
Concen: 46.767 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

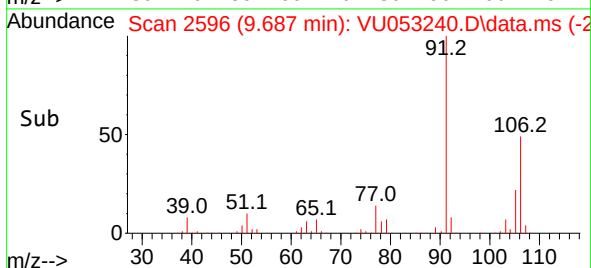
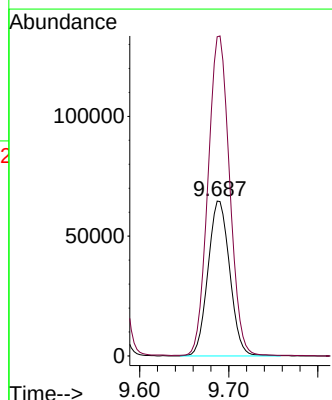
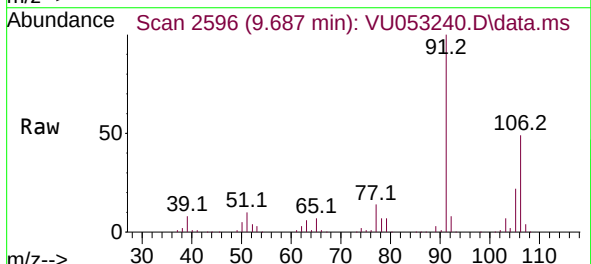
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

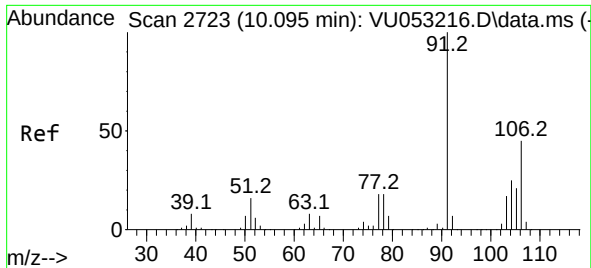
Tgt Ion: 91 Resp: 290285
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.0



#53
m,p-Xylene
Concen: 47.233 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion:106 Resp: 109423
Ion Ratio Lower Upper
106 100
91 206.2 145.3 269.8

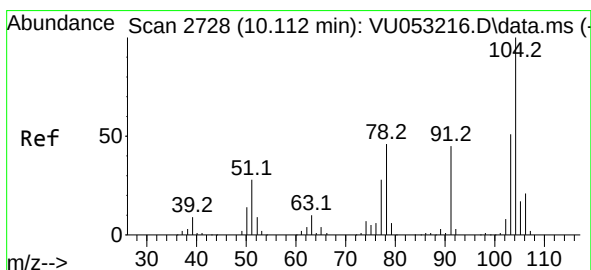
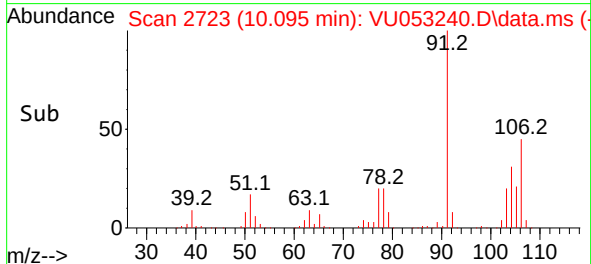
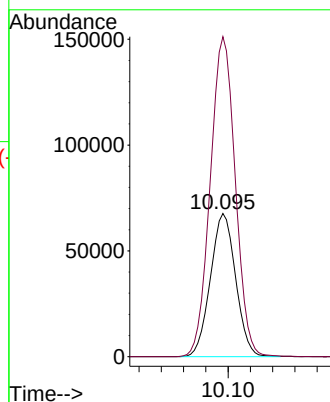
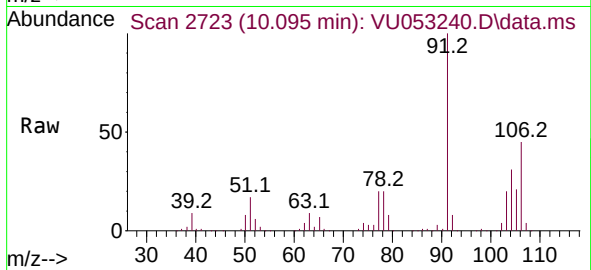




#54
o-Xylene
Concen: 46.478 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

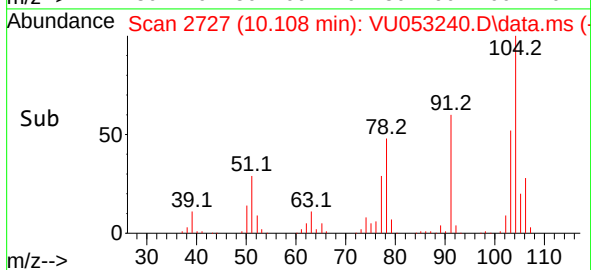
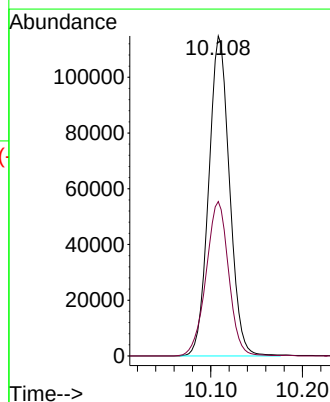
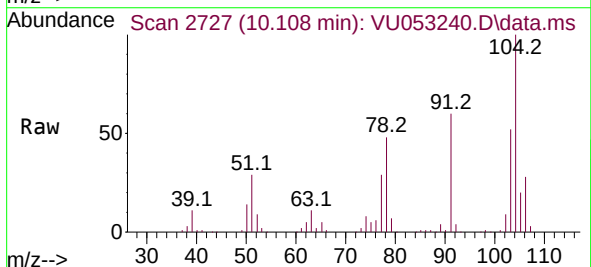
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

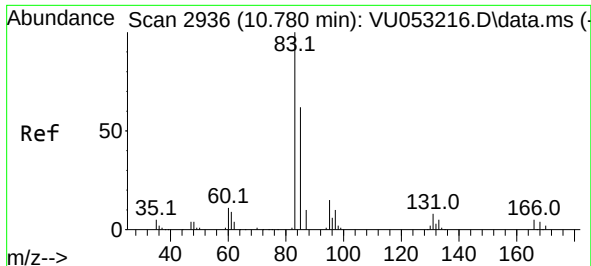
Tgt Ion:106 Resp: 106495
Ion Ratio Lower Upper
106 100
91 223.3 154.9 287.7



#55
Styrene
Concen: 47.432 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion:104 Resp: 181131
Ion Ratio Lower Upper
104 100
78 48.2 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 50.381 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

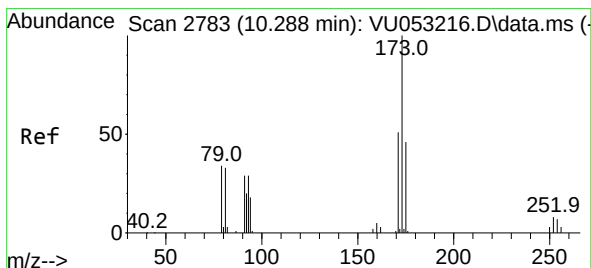
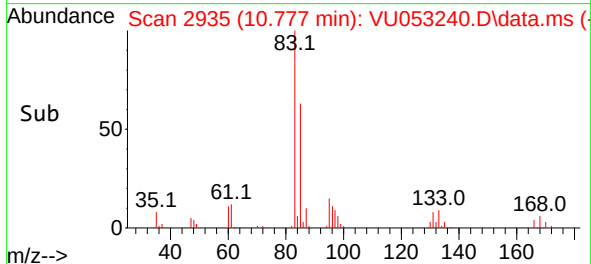
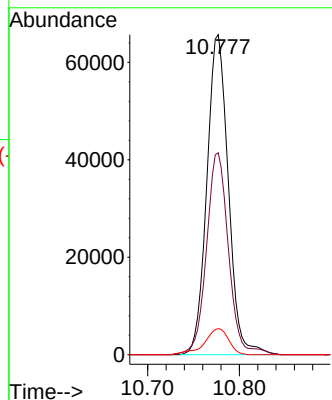
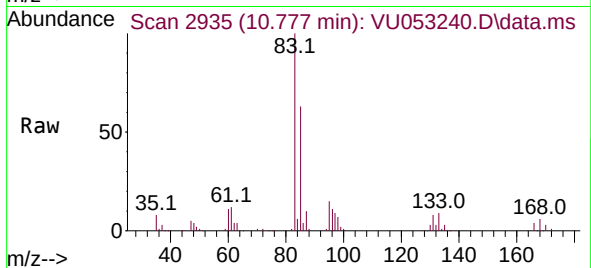
Tgt Ion: 83 Resp: 106834

Ion Ratio Lower Upper

83 100

85 63.1 46.0 85.4

131 8.1 6.6 10.0



#59

Bromoform

Concen: 46.710 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

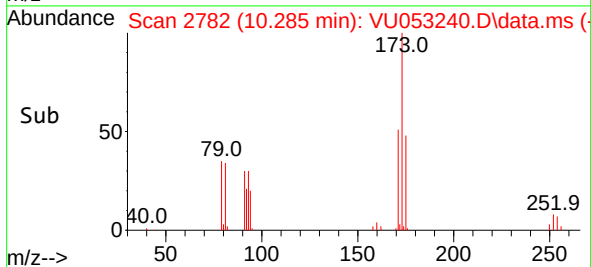
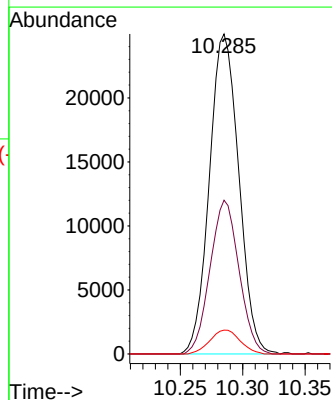
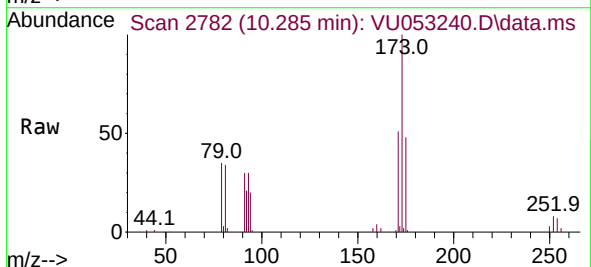
Tgt Ion:173 Resp: 41013

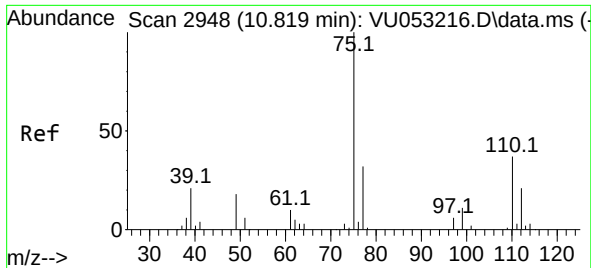
Ion Ratio Lower Upper

173 100

175 47.2 38.5 57.7

254 7.7 6.5 9.7

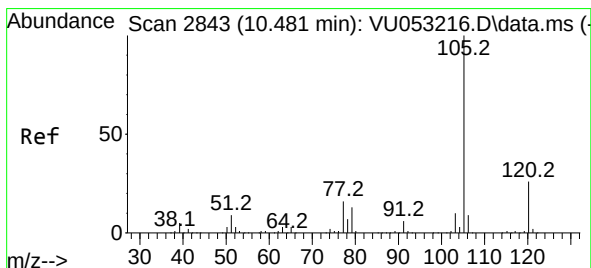
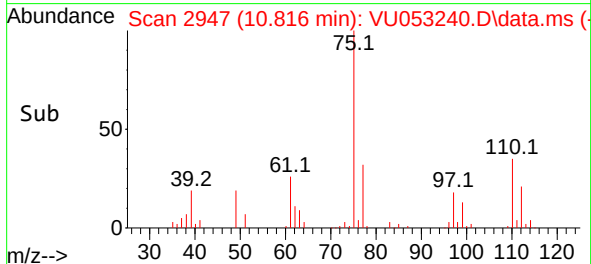
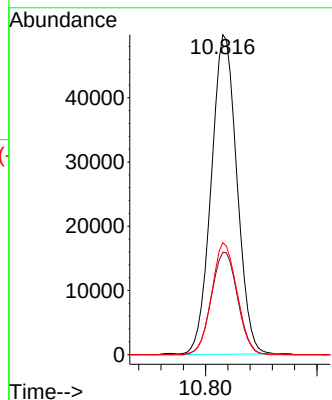
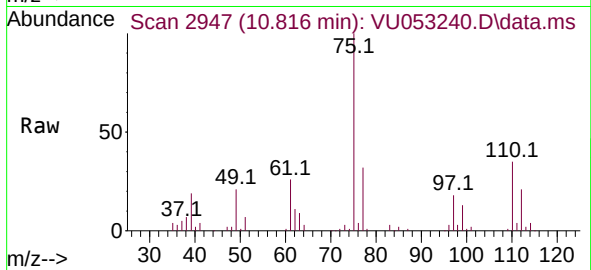




#60
1,2,3-Trichloropropane
Concen: 51.887 ug/L
RT: 10.816 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

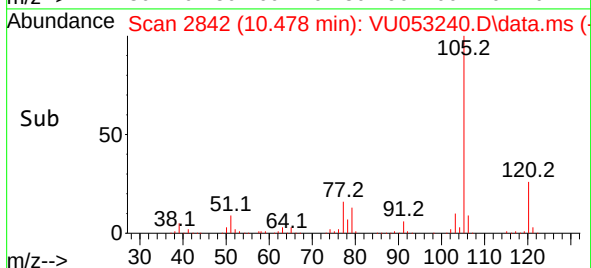
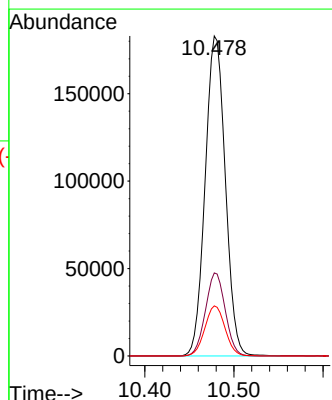
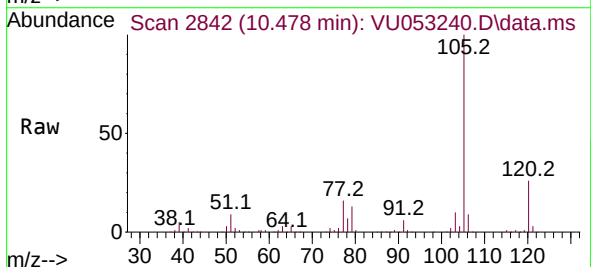
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

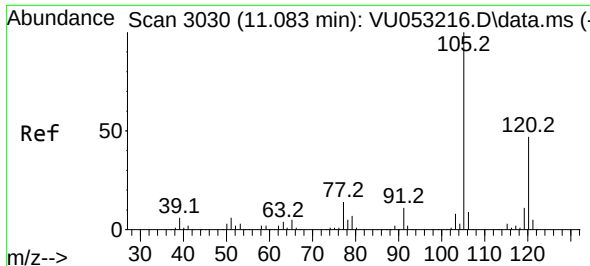
Tgt Ion:	75	Resp:	79552
Ion Ratio	Lower	Upper	
75	100		
77	32.8	26.6	40.0
110	34.6	28.6	42.8



#61
Isopropylbenzene
Concen: 47.116 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion:	105	Resp:	287226
Ion Ratio	Lower	Upper	
105	100		
120	25.5	20.4	30.6
77	15.8	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 46.501 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

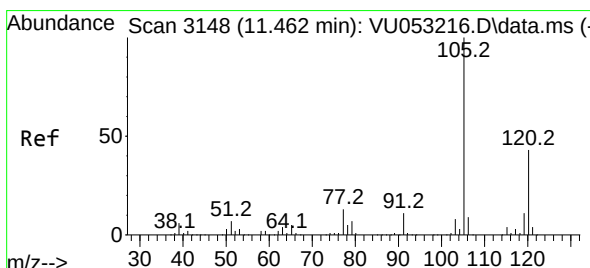
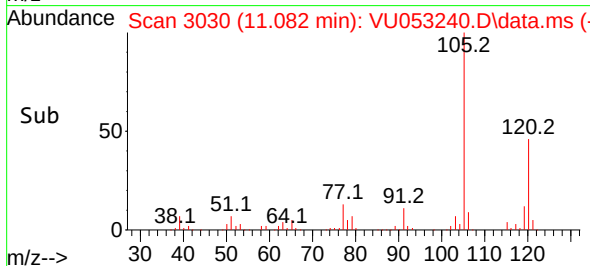
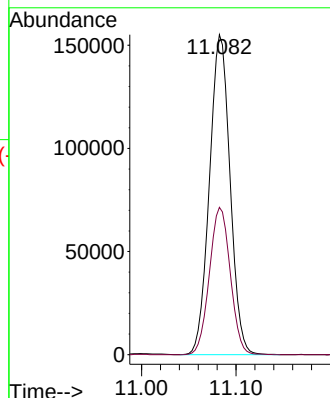
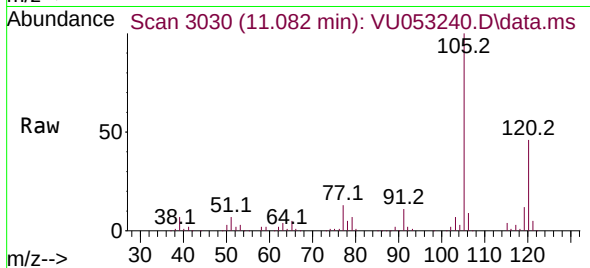
VSTD050162

Tgt Ion:105 Resp: 234651

Ion Ratio Lower Upper

105 100

120 46.7 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 46.595 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053240.D

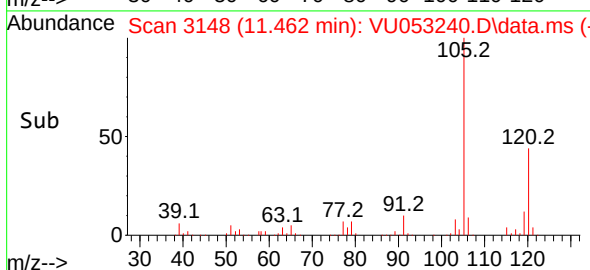
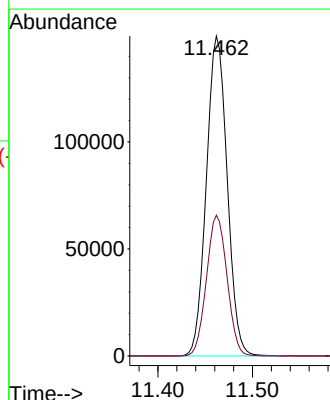
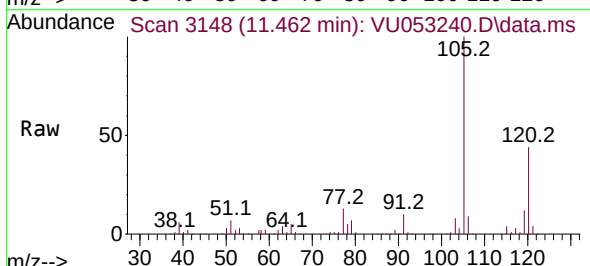
Acq: 16 Mar 2023 20:37

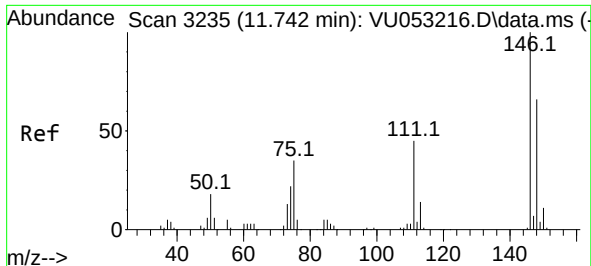
Tgt Ion:105 Resp: 229187

Ion Ratio Lower Upper

105 100

120 43.4 34.6 52.0

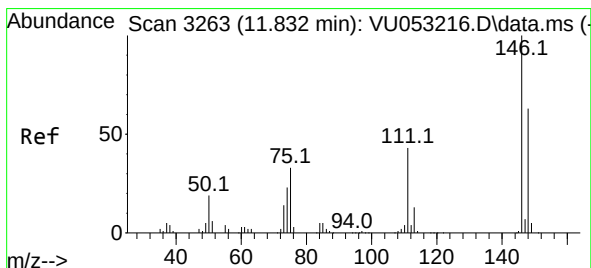
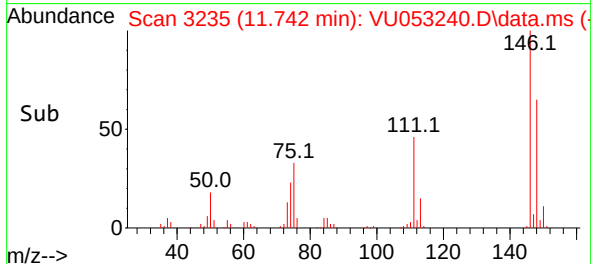
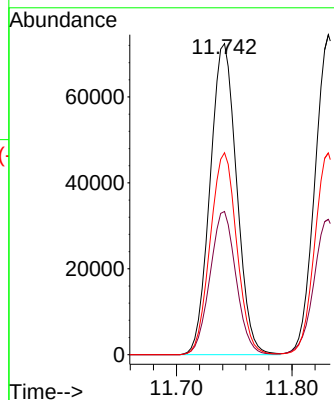
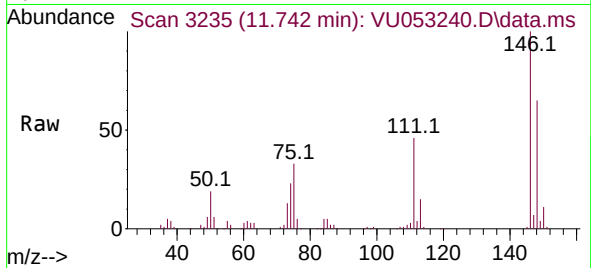




#64
1,3-Dichlorobenzene
Concen: 45.261 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

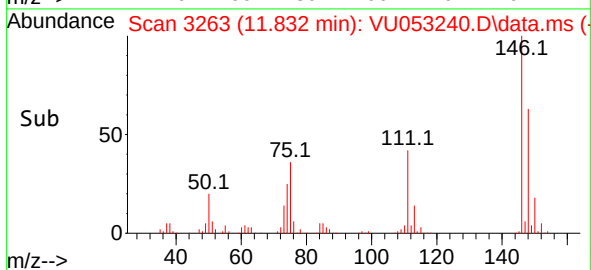
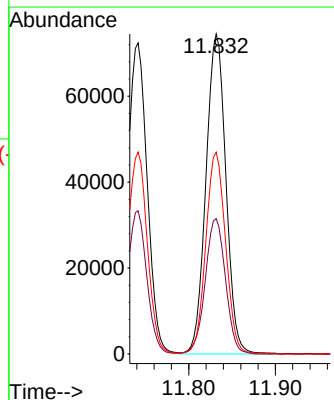
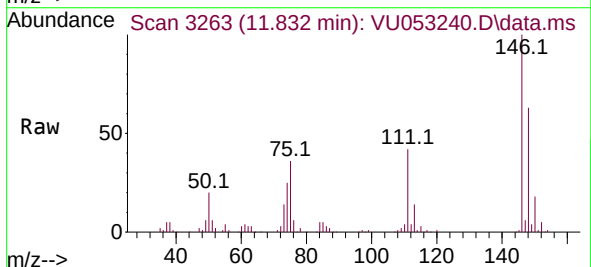
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

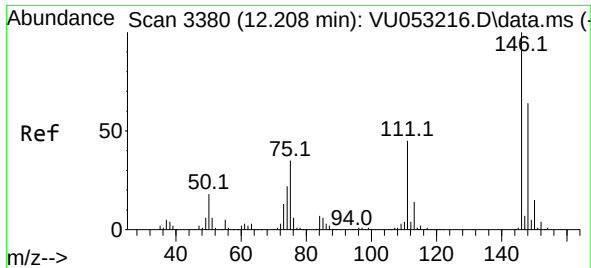
Tgt Ion:146 Resp: 115718
Ion Ratio Lower Upper
146 100
111 46.0 30.2 56.0
148 65.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 46.490 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion:146 Resp: 119323
Ion Ratio Lower Upper
146 100
111 42.3 30.7 57.1
148 63.1 45.6 84.8

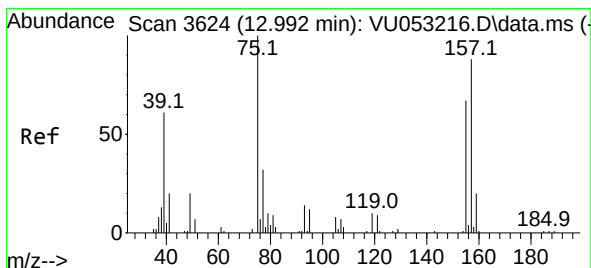
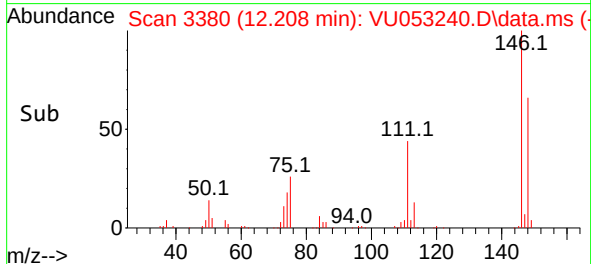
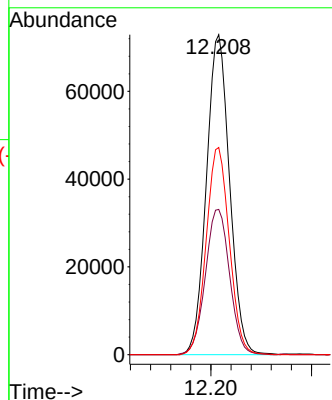
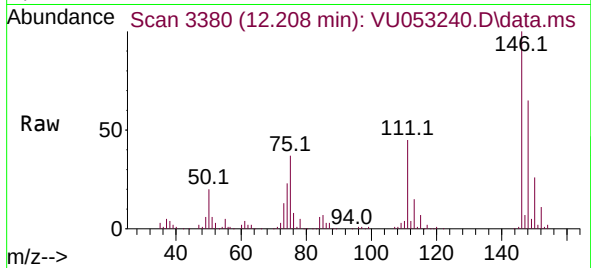




#67
1,2-Dichlorobenzene
Concen: 45.606 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

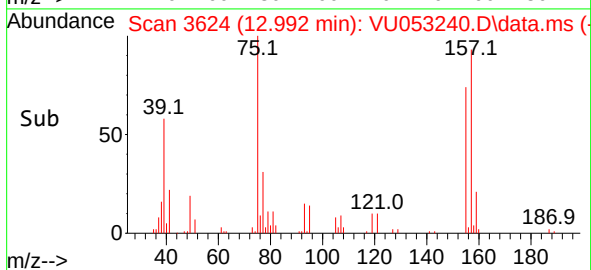
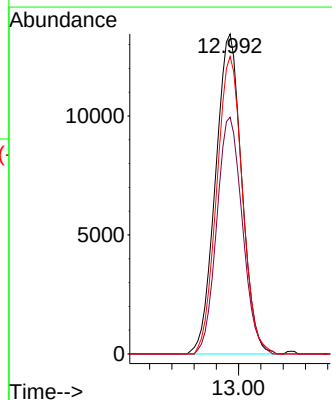
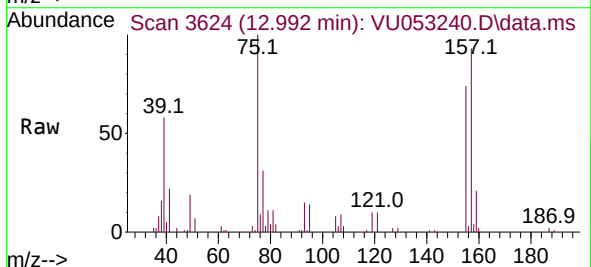
Instrument :
MSVOA_U
ClientSampleId :
VSTD050162

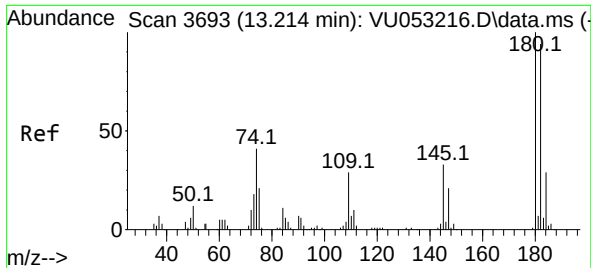
Tgt Ion:146 Resp: 116541
Ion Ratio Lower Upper
146 100
111 45.4 37.0 55.4
148 64.8 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 51.823 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU053240.D
Acq: 16 Mar 2023 20:37

Tgt Ion: 75 Resp: 21971
Ion Ratio Lower Upper
75 100
155 74.0 60.2 90.4
157 93.0 73.0 109.4

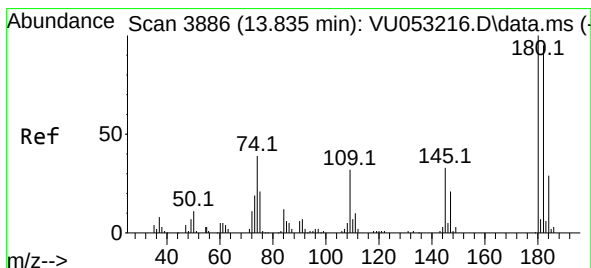
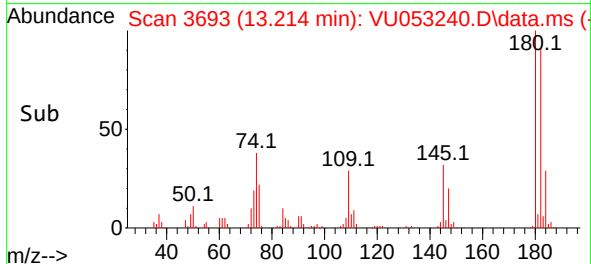
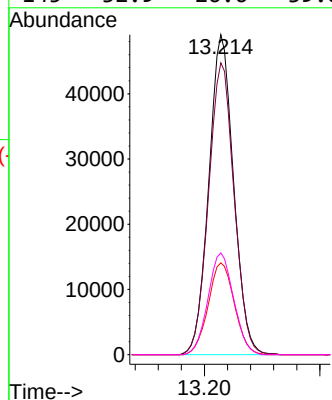
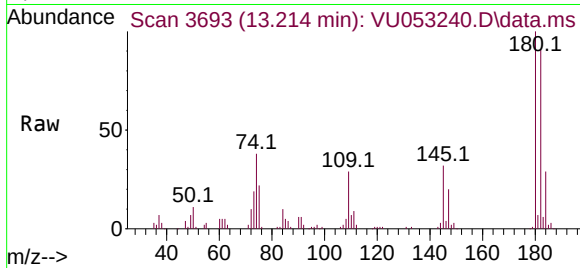




#69
 1,3,5-Trichlorobenzene
 Concen: 44.997 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU053240.D
 Acq: 16 Mar 2023 20:37

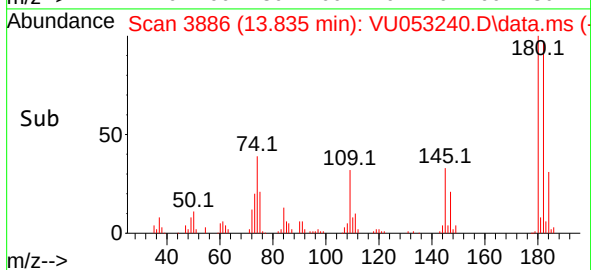
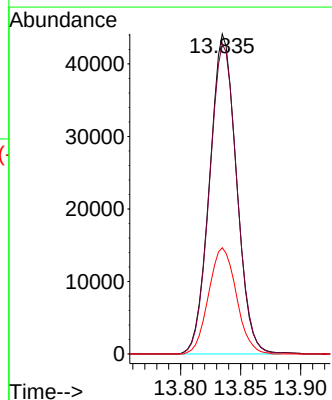
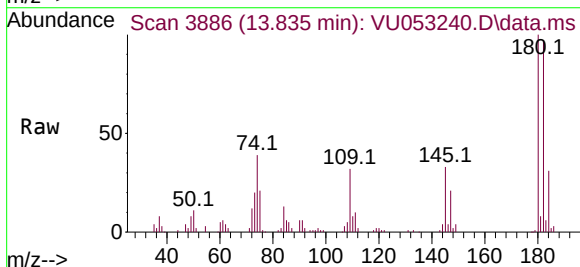
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

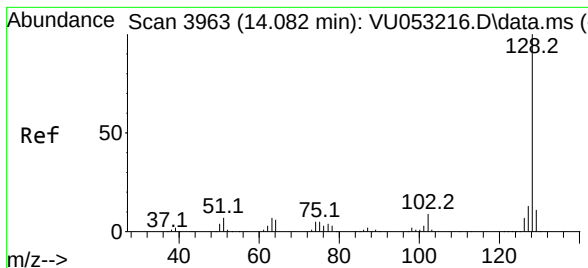
Tgt Ion:180	Resp:	72939
Ion Ratio	Lower	Upper
180	100	
182	94.2	74.5 111.7
184	30.4	23.2 34.8
145	32.9	26.6 39.8



#70
 1,2,4-trichlorobenzene
 Concen: 47.123 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU053240.D
 Acq: 16 Mar 2023 20:37

Tgt Ion:180	Resp:	68633
Ion Ratio	Lower	Upper
180	100	
182	98.6	75.8 113.8
145	34.3	27.2 40.8





#71

Naphthalene

Concen: 55.137 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050162

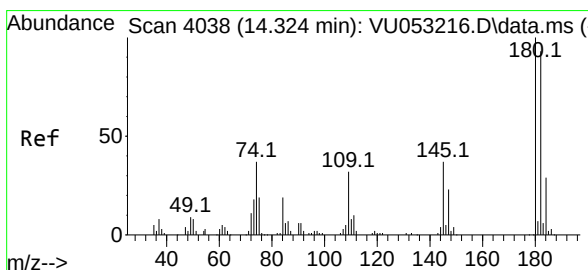
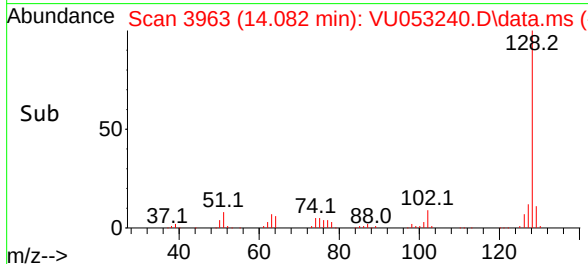
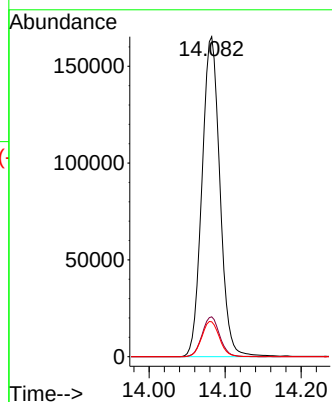
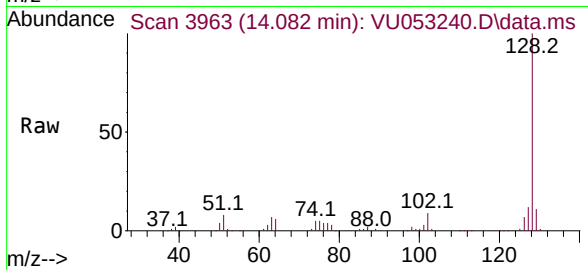
Tgt Ion:128 Resp: 270675

Ion Ratio Lower Upper

128 100

127 12.2 10.0 15.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.308 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU053240.D

Acq: 16 Mar 2023 20:37

Tgt Ion:180 Resp: 70867

Ion Ratio Lower Upper

180 100

182 93.5 76.7 115.1

145 35.2 28.6 42.8

