

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053425.D
 Acq On : 28 Mar 2023 11:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050175

Quant Time: Mar 29 01:07:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 23 02:41:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	214838	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	204999	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	105245	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	90255	45.537	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.080%
7) Chloroethane-d5	1.912	69	71824	44.800	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.568	63	150533	43.843	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.680%
21) 2-Butanone-d5	4.623	46	103588	112.686	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.690%
24) Chloroform-d	5.060	84	147320	45.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.260%
26) 1,2-Dichloroethane-d4	5.697	65	93604	46.170	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.340%
32) Benzene-d6	5.723	84	286812	43.135	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.260%
36) 1,2-Dichloropropane-d6	6.687	67	98683	45.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.960%
41) Toluene-d8	7.893	98	273226	44.135	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.280%
43) trans-1,3-Dichloroprop...	8.176	79	47724	45.073	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.140%
47) 2-Hexanone-d5	8.629	63	58757	87.577	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.580%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	133984	48.196	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	103020	50.554	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	100419	44.780	ug/L	99
3) Chloromethane	1.520	50	106821	51.696	ug/L	99
5) Vinyl chloride	1.604	62	108038	47.796	ug/L	99
6) Bromomethane	1.858	94	63808	46.961	ug/L	98
8) Chloroethane	1.935	64	63823	47.801	ug/L	96
9) Trichlorofluoromethane	2.138	101	133006	47.161	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	80827	47.377	ug/L	96
12) 1,1-Dichloroethene	2.578	96	71571	45.362	ug/L	93
13) Acetone	2.636	43	112403	107.361	ug/L	92
14) Carbon disulfide	2.793	76	192949	40.377	ug/L	100
15) Methyl Acetate	2.948	43	87859	61.224	ug/L	93
16) Methylene chloride	3.044	84	83583	43.668	ug/L	93
17) trans-1,2-Dichloroethene	3.350	96	74008	46.230	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	253983	47.182	ug/L	98
19) 1,1-Dichloroethane	3.864	63	153400	46.943	ug/L	100
20) cis-1,2-Dichloroethene	4.662	96	86536	46.023	ug/L	99
22) 2-Butanone	4.703	43	138911	116.461	ug/L	89
23) Bromochloromethane	4.970	128	43652	48.689	ug/L	93
25) Chloroform	5.083	83	155146	47.445	ug/L	100

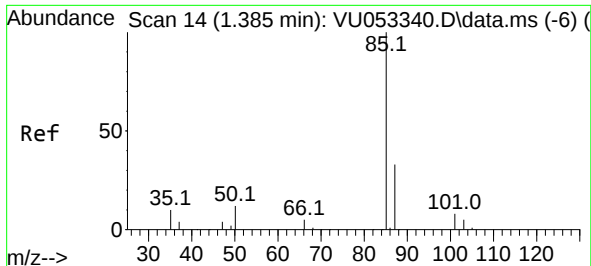
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	125552	48.639	ug/L	100
29) Cyclohexane	5.385	56	133919	43.842	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	124931	44.710	ug/L	98
31) Carbon tetrachloride	5.523	117	105187	45.949	ug/L	99
33) Benzene	5.771	78	337568	47.497	ug/L	100
34) Trichloroethene	6.539	95	87477	47.205	ug/L	97
35) Methylcyclohexane	6.758	83	134661	41.456	ug/L	94
37) 1,2-Dichloropropane	6.787	63	95891	48.360	ug/L	99
38) Bromodichloromethane	7.102	83	113549	46.016	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	149718	45.958	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	249440	122.390	ug/L	93
42) Toluene	7.964	91	355678	46.550	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	139881	46.973	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	88838	49.204	ug/L	99
46) Tetrachloroethene	8.549	164	62320	51.690	ug/L	97
48) 2-Hexanone	8.681	43	201796	118.240	ug/L	93
49) Dibromochloromethane	8.806	129	82116	44.460	ug/L	96
50) 1,2-Dibromoethane	8.919	107	95948	49.873	ug/L	98
51) Chlorobenzene	9.443	112	227140	47.698	ug/L	99
52) Ethylbenzene	9.565	91	405426	46.790	ug/L	98
53) m,p-Xylene	9.690	106	148394	45.886	ug/L	98
54) o-Xylene	10.095	106	146857	45.913	ug/L	99
55) Styrene	10.108	104	251496	47.177	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	151812	51.285	ug/L	98
59) Bromoform	10.285	173	62582	52.252	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	111897	53.505	ug/L	99
61) Isopropylbenzene	10.478	105	397441	47.795	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	326757	47.472	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	317490	47.321	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	179119	51.361	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	183884	52.522	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	181862	52.174	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	28828	49.849	ug/L	86
69) 1,3,5-Trichlorobenzene	13.214	180	128943	58.317	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	118047	59.418	ug/L	98
71) Naphthalene	14.082	128	381798	57.016	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	117319	62.269	ug/L	97

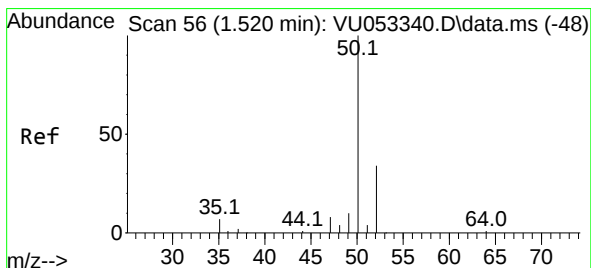
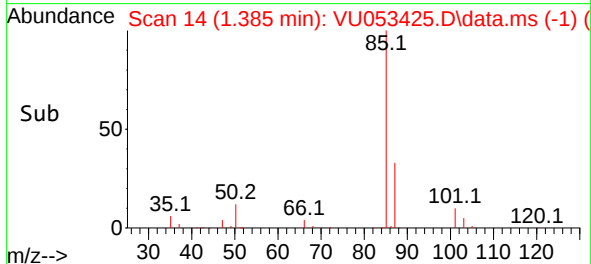
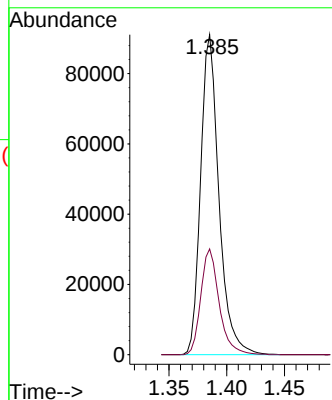
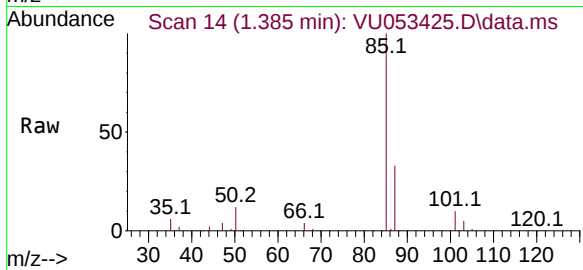
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 44.780 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

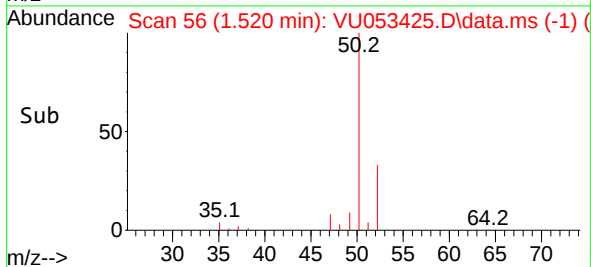
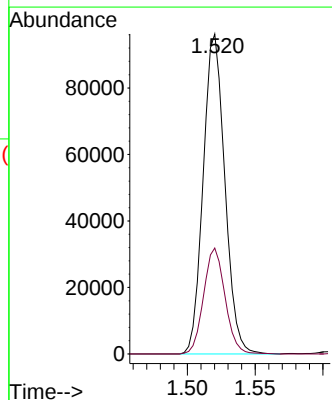
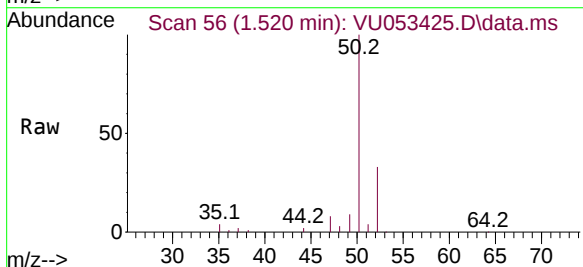
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

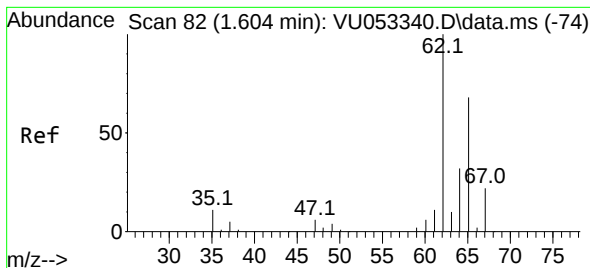
Tgt Ion: 85 Resp: 100419
Ion Ratio Lower Upper
85 100
87 33.0 25.8 38.8



#3
Chloromethane
Concen: 51.696 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion: 50 Resp: 106821
Ion Ratio Lower Upper
50 100
52 33.1 23.4 43.4





#5

Vinyl chloride

Concen: 47.796 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

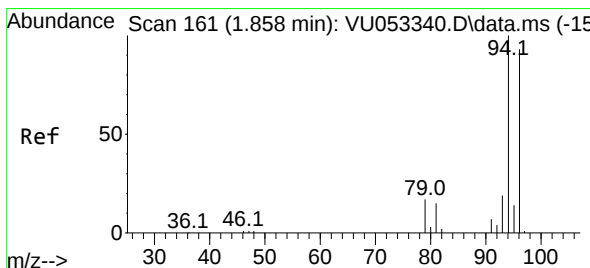
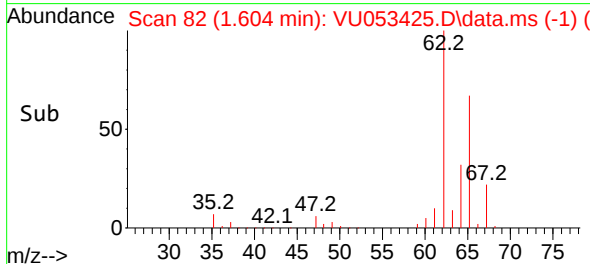
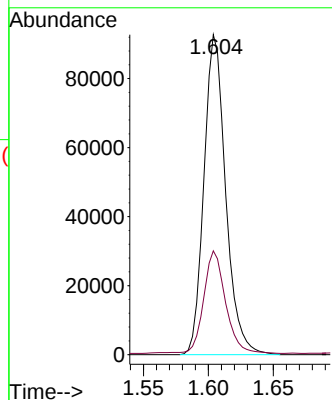
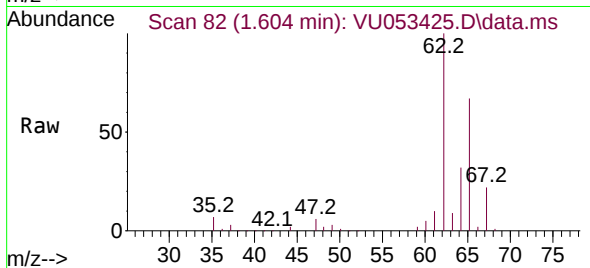
VSTD050175

Tgt Ion: 62 Resp: 108038

Ion Ratio Lower Upper

62 100

64 32.4 23.2 43.0



#6

Bromomethane

Concen: 46.961 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU053425.D

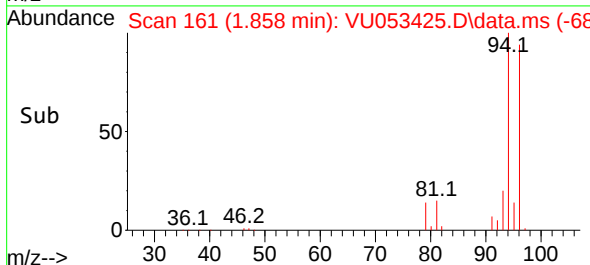
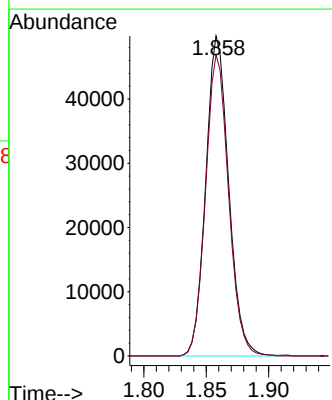
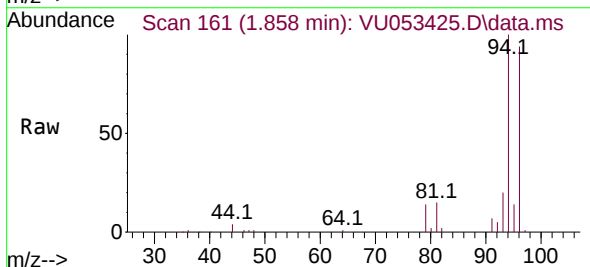
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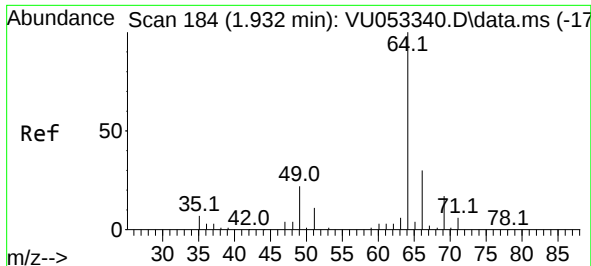
Tgt Ion: 94 Resp: 63808

Ion Ratio Lower Upper

94 100

96 94.1 67.5 125.3

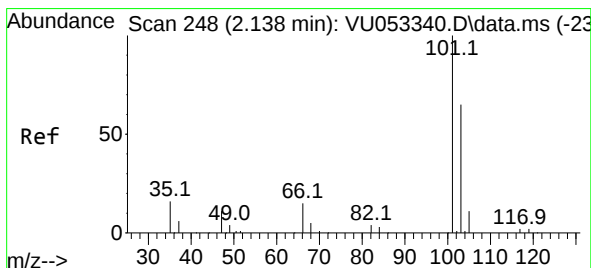
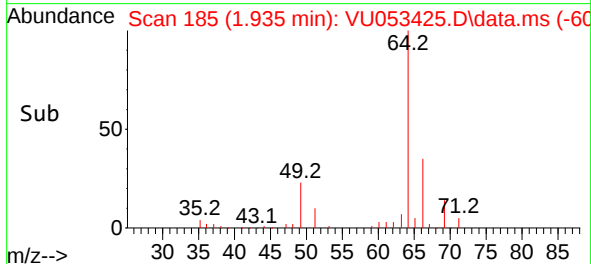
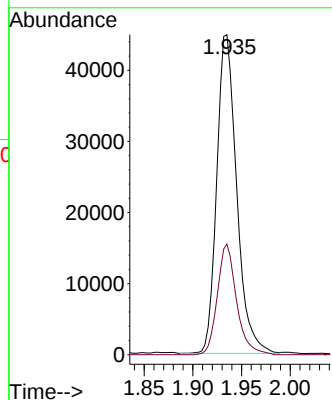
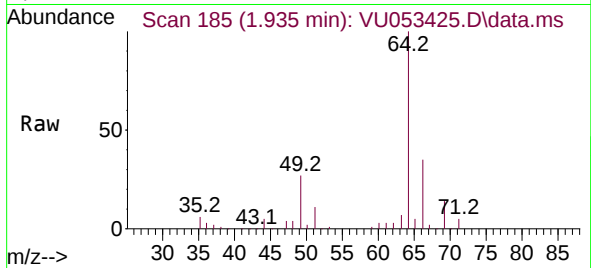




#8
Chloroethane
Concen: 47.801 ug/L
RT: 1.935 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

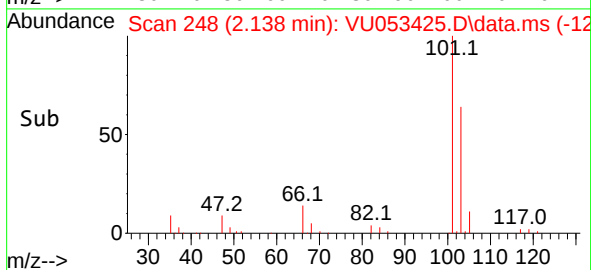
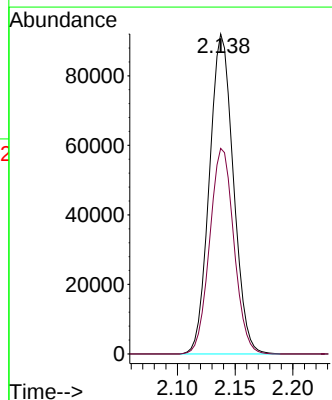
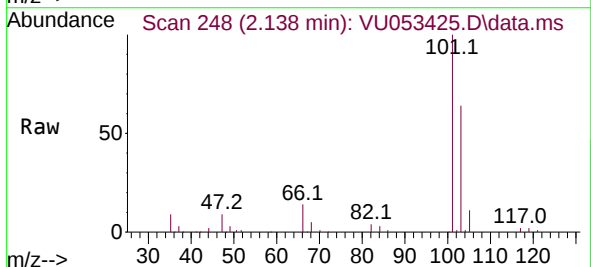
Instrument :
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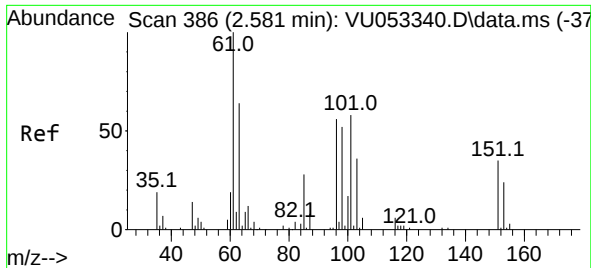
Tgt Ion: 64 Resp: 63823
Ion Ratio Lower Upper
64 100
66 34.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 47.161 ug/L
RT: 2.138 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion:101 Resp: 133006
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0

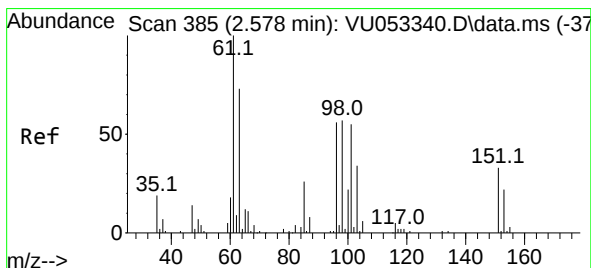
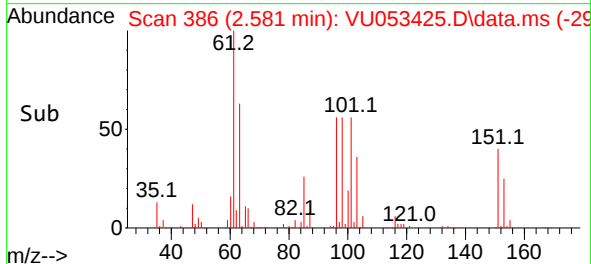
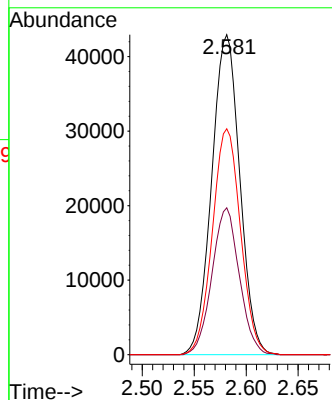
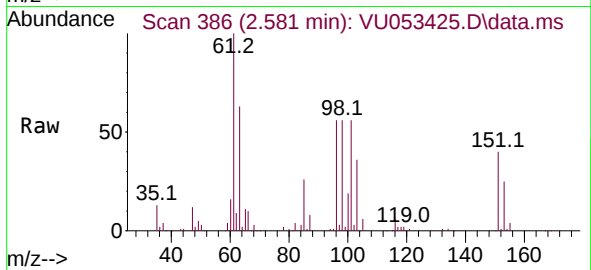




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.377 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU053425.D
 Acq: 28 Mar 2023 11:28

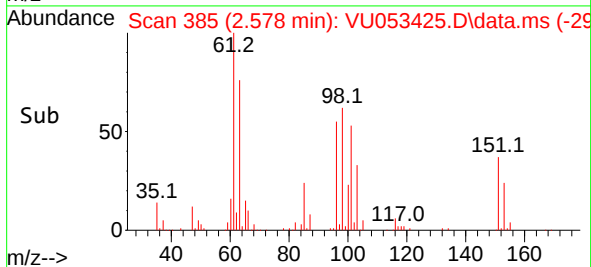
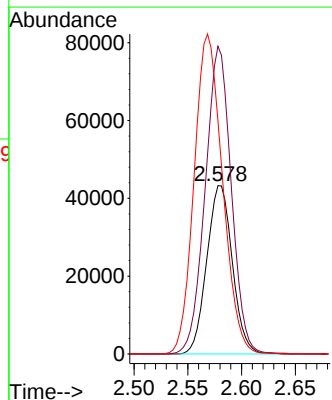
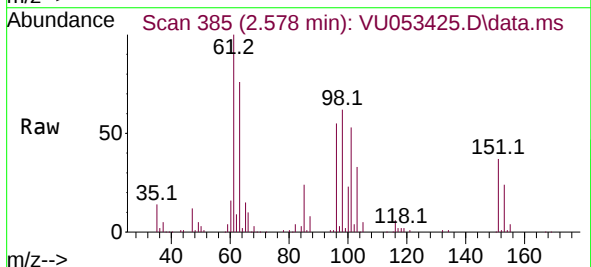
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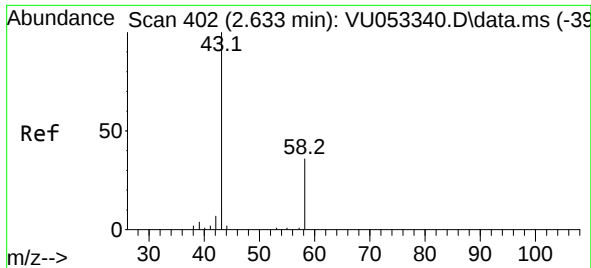
Tgt Ion:101 Resp: 80827
 Ion Ratio Lower Upper
 101 100
 85 44.6 37.0 55.6
 151 70.7 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 45.362 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053425.D
 Acq: 28 Mar 2023 11:28

Tgt Ion: 96 Resp: 71571
 Ion Ratio Lower Upper
 96 100
 61 182.8 122.2 226.9
 63 138.4 89.9 166.9





#13

Acetone

Concen: 107.361 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

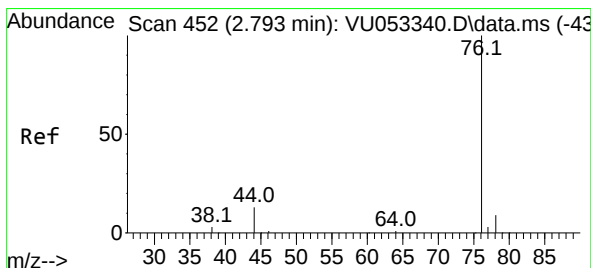
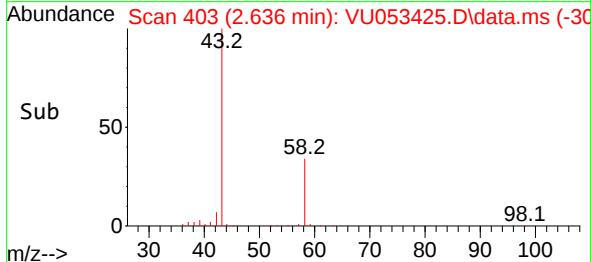
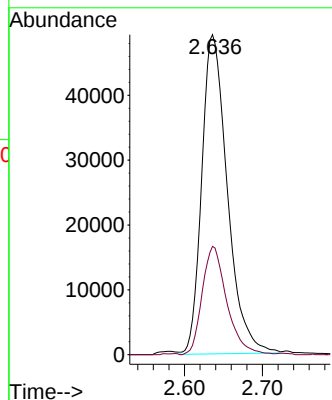
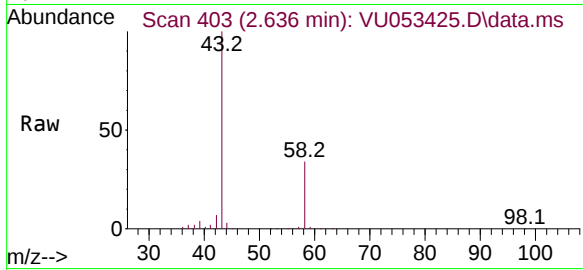
VSTD050175

Tgt Ion: 43 Resp: 112403

Ion Ratio Lower Upper

43 100

58 32.6 0.0 75.0



#14

Carbon disulfide

Concen: 40.377 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU053425.D

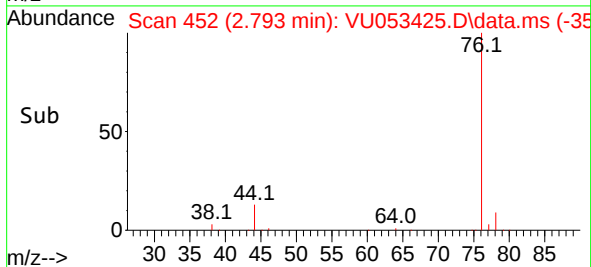
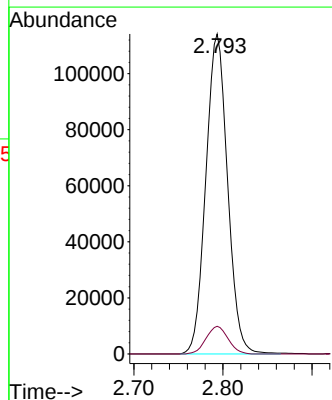
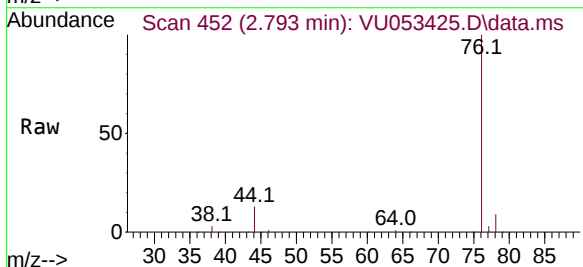
Acq: 28 Mar 2023 11:28

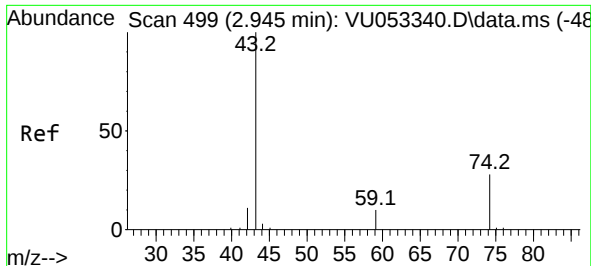
Tgt Ion: 76 Resp: 192949

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6

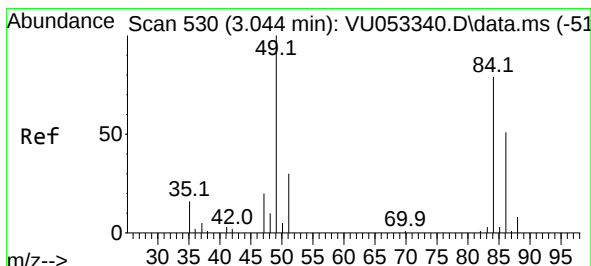
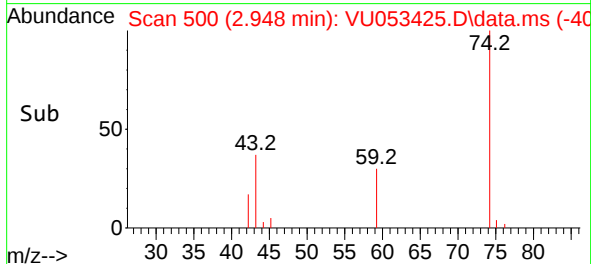
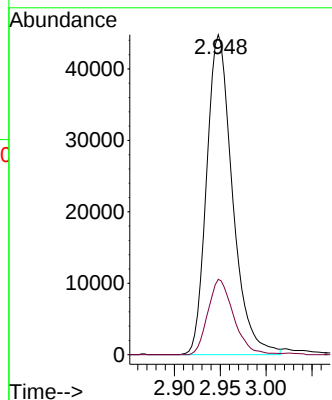
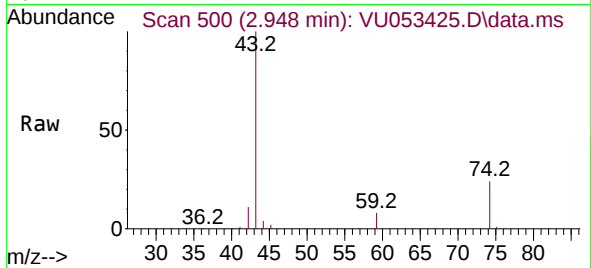




#15
Methyl Acetate
Concen: 61.224 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

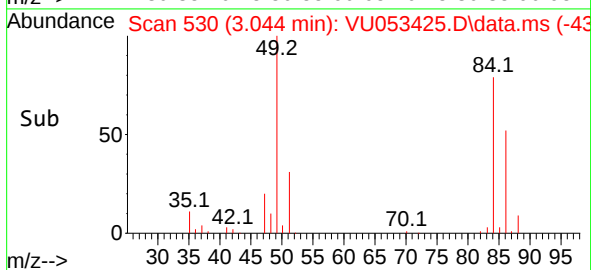
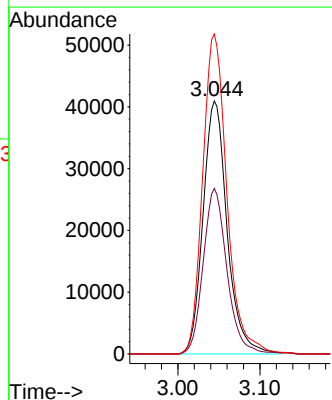
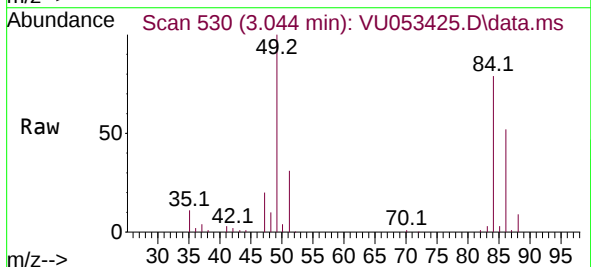
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

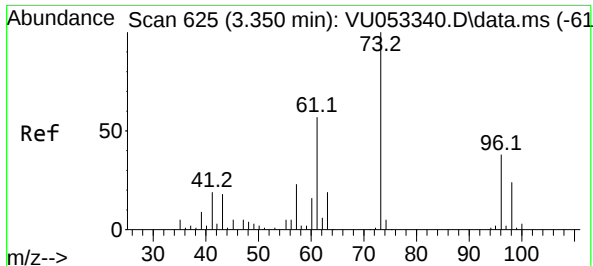
Tgt Ion: 43 Resp: 87859
Ion Ratio Lower Upper
43 100
74 23.3 21.4 32.0



#16
Methylene chloride
Concen: 43.668 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion: 84 Resp: 83583
Ion Ratio Lower Upper
84 100
86 65.4 44.4 82.4
49 126.5 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 46.230 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050175

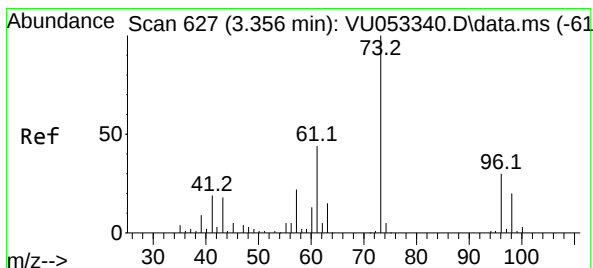
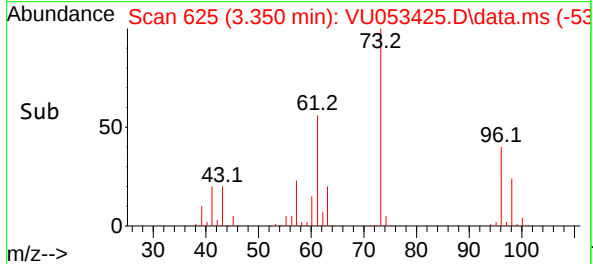
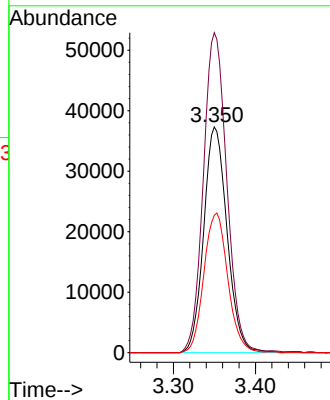
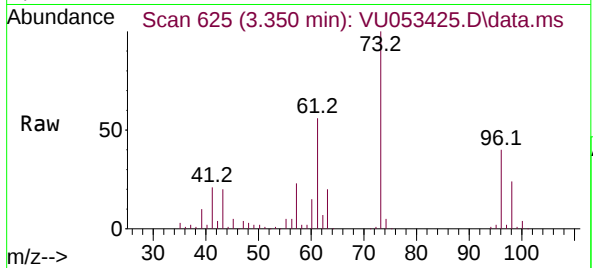
Tgt Ion: 96 Resp: 74008

Ion Ratio Lower Upper

96 100

61 141.8 99.6 185.0

98 60.9 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 47.182 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

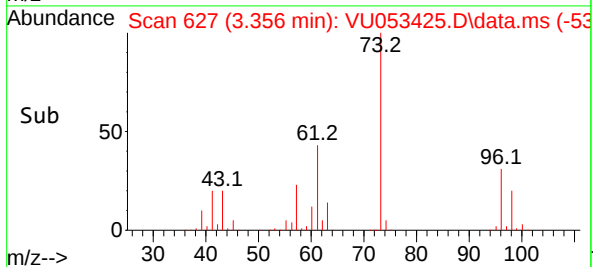
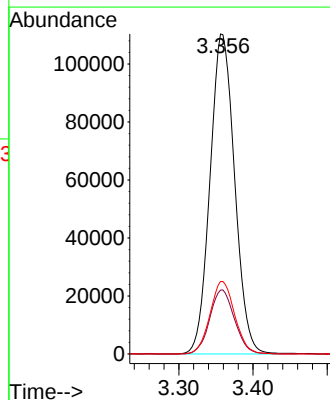
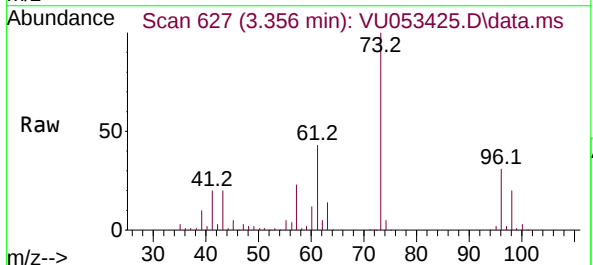
Tgt Ion: 73 Resp: 253983

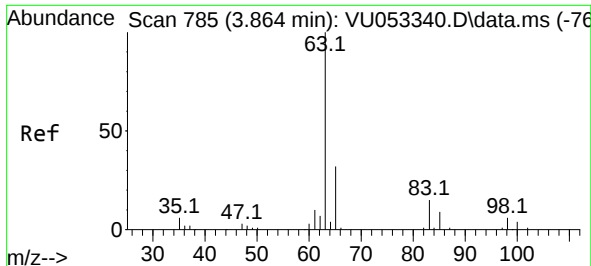
Ion Ratio Lower Upper

73 100

43 19.9 14.2 21.2

57 22.8 18.0 27.0

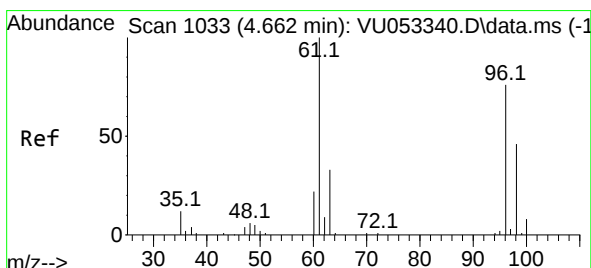
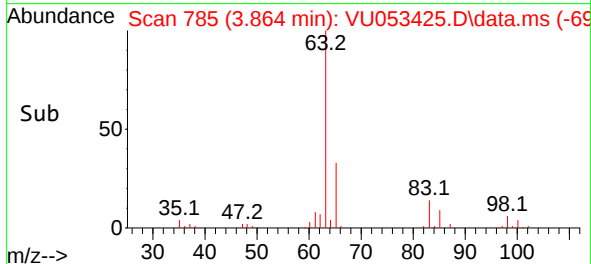
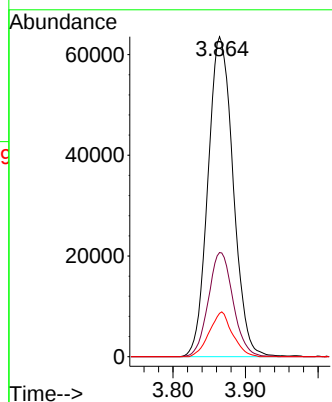
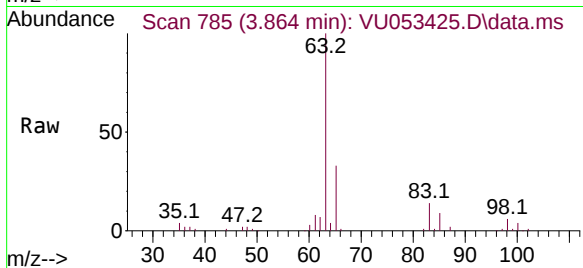




#19
1,1-Dichloroethane
Concen: 46.943 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

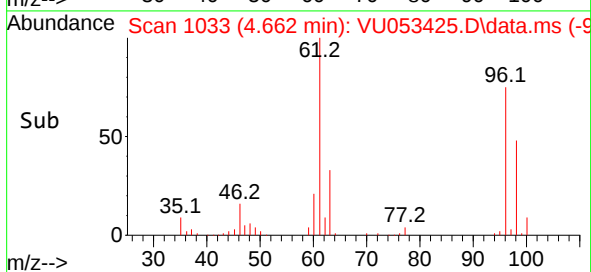
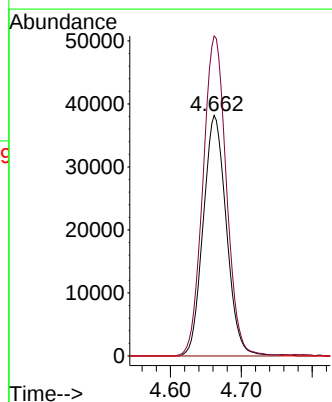
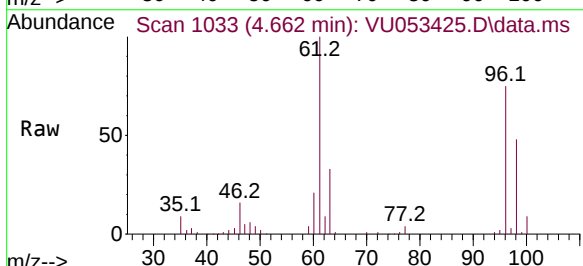
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

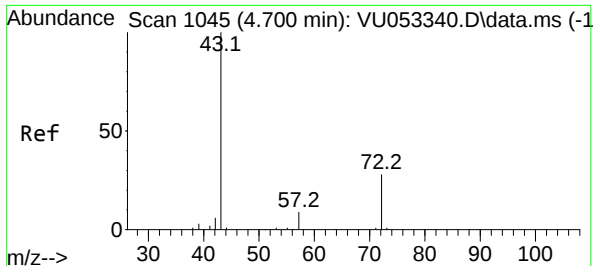
Tgt Ion: 63 Resp: 153400
Ion Ratio Lower Upper
63 100
65 32.5 22.8 42.4
83 13.6 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 46.023 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion: 96 Resp: 86536
Ion Ratio Lower Upper
96 100
61 133.1 92.5 171.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 116.461 ug/L

RT: 4.703 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

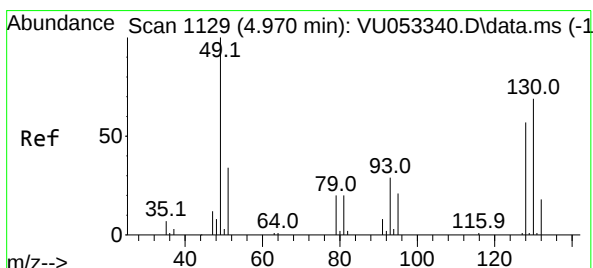
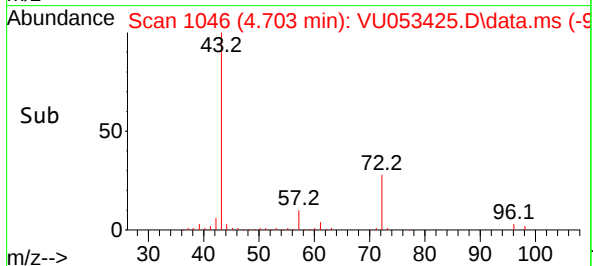
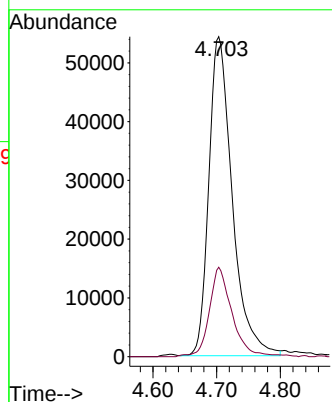
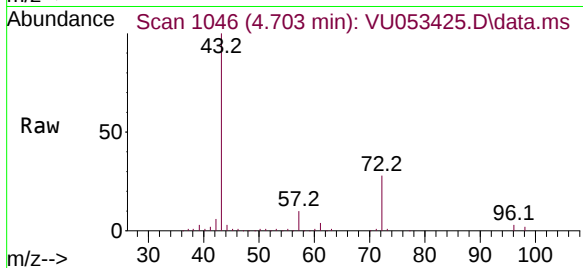
VSTD050175

Tgt Ion: 43 Resp: 138911

Ion Ratio Lower Upper

43 100

72 25.6 16.0 47.9



#23

Bromochloromethane

Concen: 48.689 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Tgt Ion:128 Resp: 43652

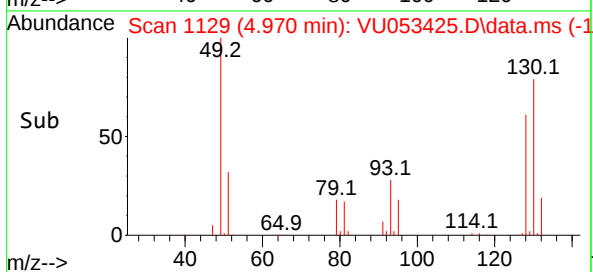
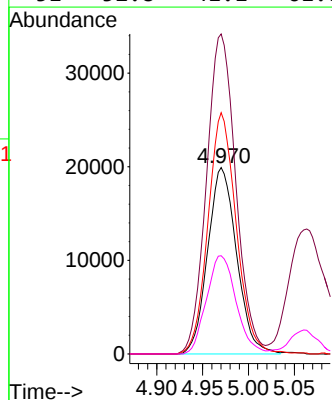
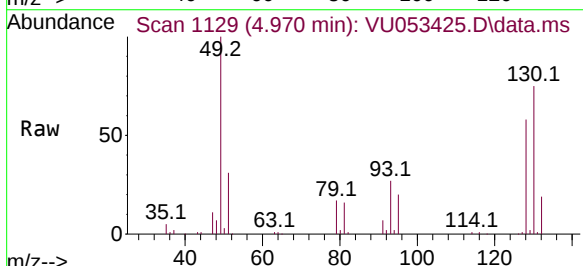
Ion Ratio Lower Upper

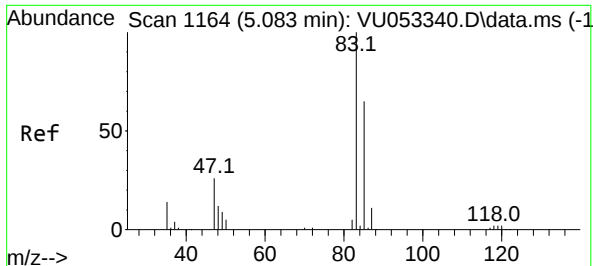
128 100

49 171.7 109.9 204.1

130 129.5 87.2 161.9

51 52.8 41.1 61.7





#25

Chloroform

Concen: 47.445 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

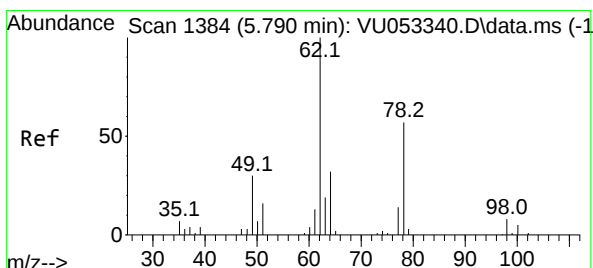
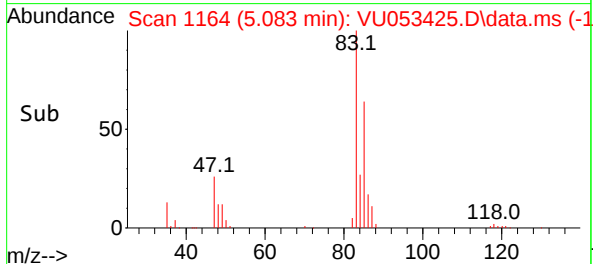
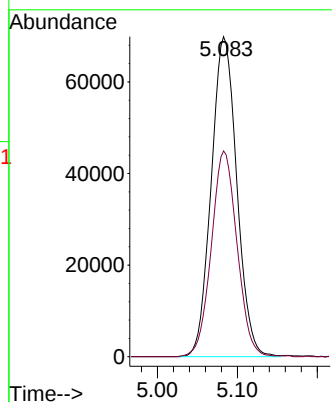
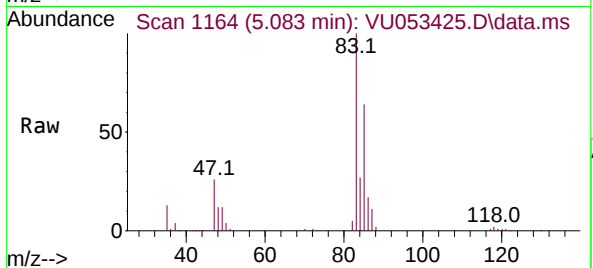
VSTD050175

Tgt Ion: 83 Resp: 155146

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.3



#27

1,2-Dichloroethane

Concen: 48.639 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU053425.D

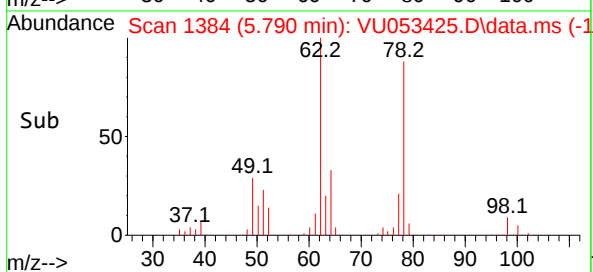
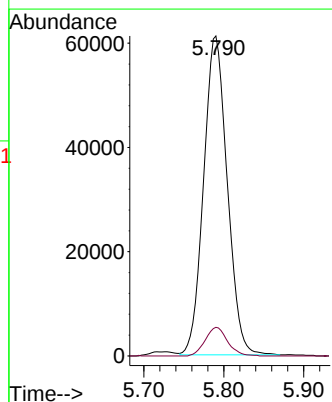
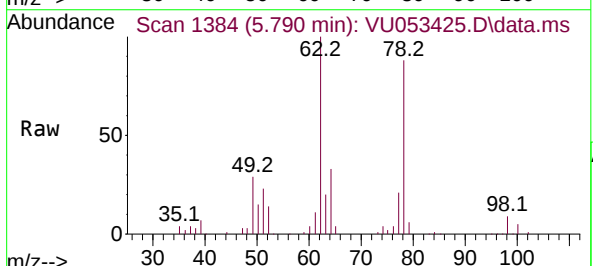
Acq: 28 Mar 2023 11:28

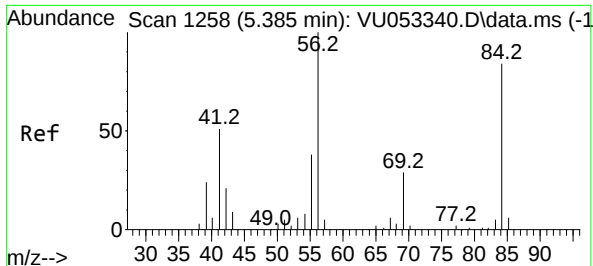
Tgt Ion: 62 Resp: 125552

Ion Ratio Lower Upper

62 100

98 8.9 7.0 10.6





#29

Cyclohexane

Concen: 43.842 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050175

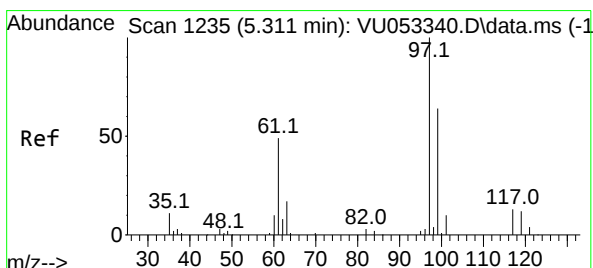
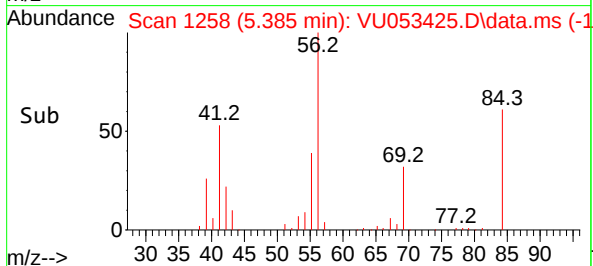
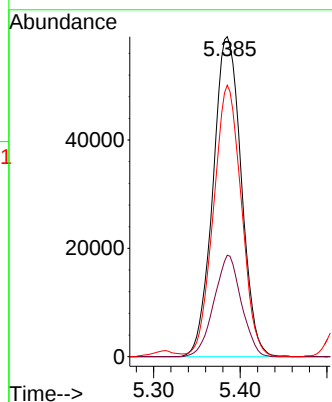
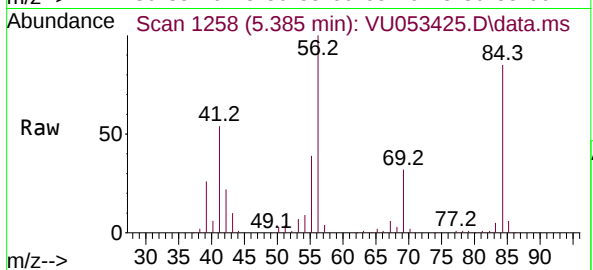
Tgt Ion: 56 Resp: 133919

Ion Ratio Lower Upper

56 100

69 30.6 25.4 38.0

84 83.7 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 44.710 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

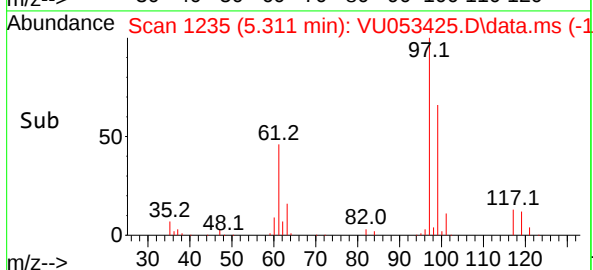
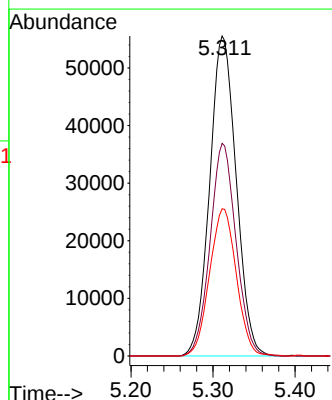
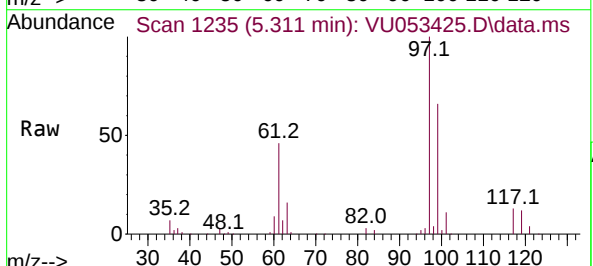
Tgt Ion: 97 Resp: 124931

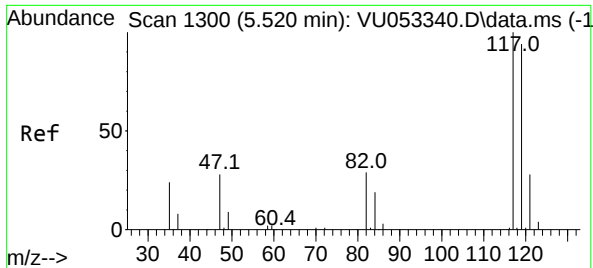
Ion Ratio Lower Upper

97 100

99 65.0 50.6 76.0

61 46.5 36.0 54.0

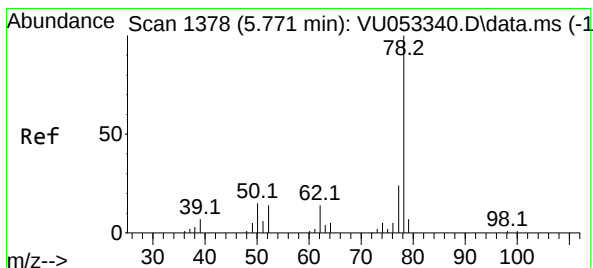
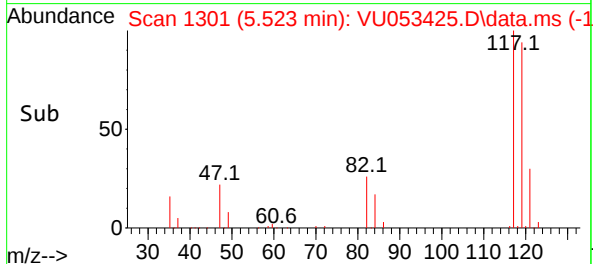
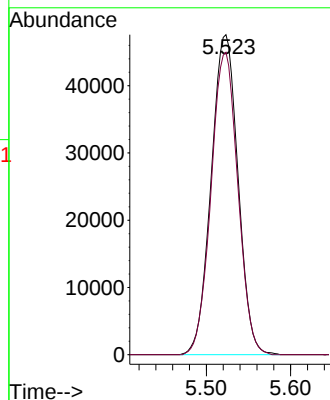
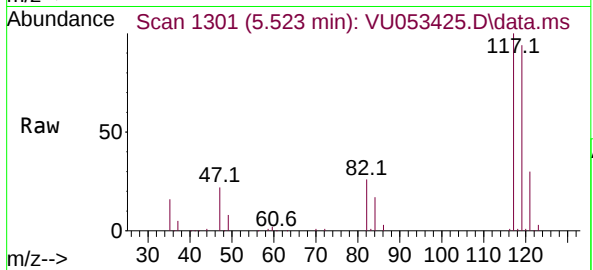




#31
Carbon tetrachloride
Concen: 45.949 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

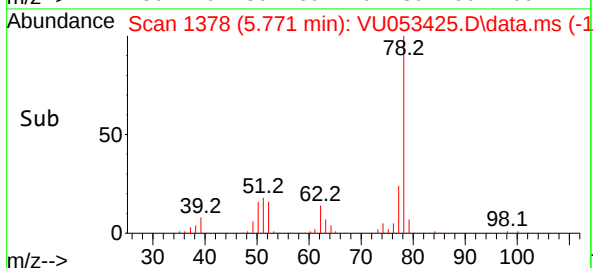
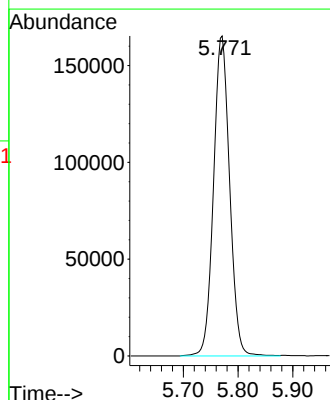
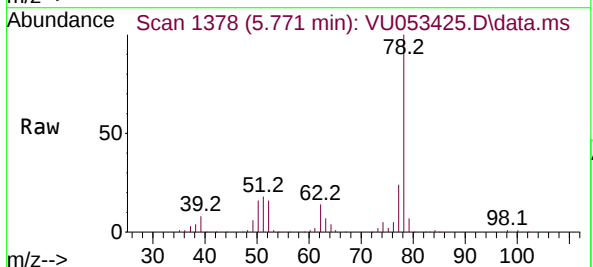
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

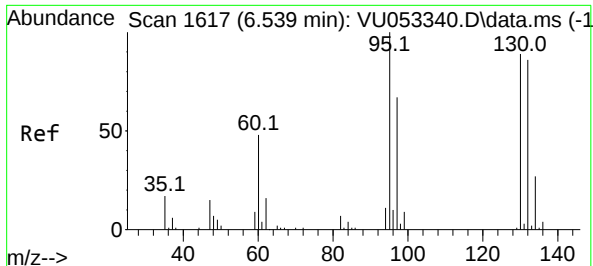
Tgt Ion:117 Resp: 105187
Ion Ratio Lower Upper
117 100
119 94.3 76.2 114.2



#33
Benzene
Concen: 47.497 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion: 78 Resp: 337568



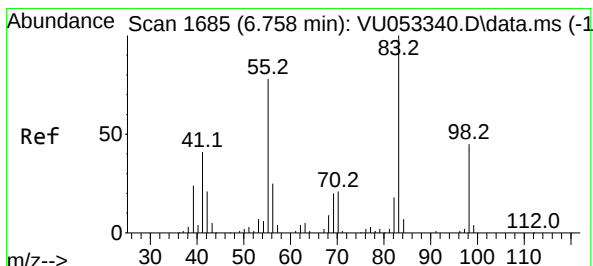
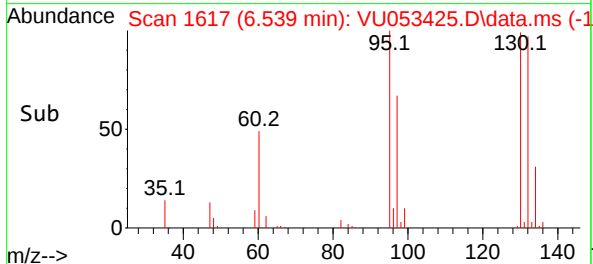
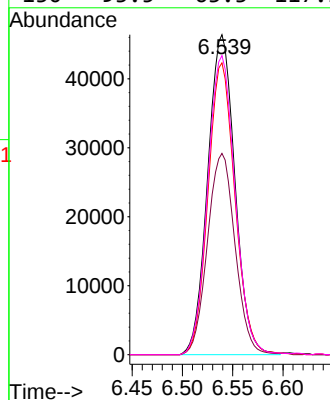
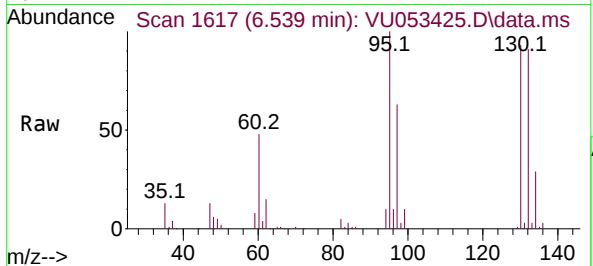


#34
Trichloroethene
Concen: 47.205 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

Tgt Ion: 95 Resp: 87477

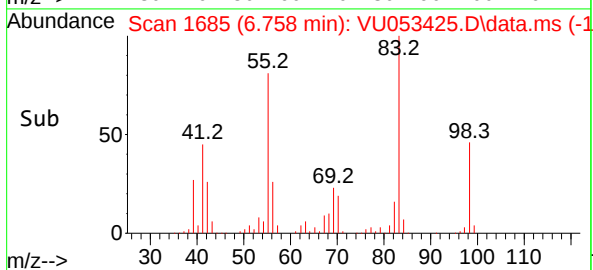
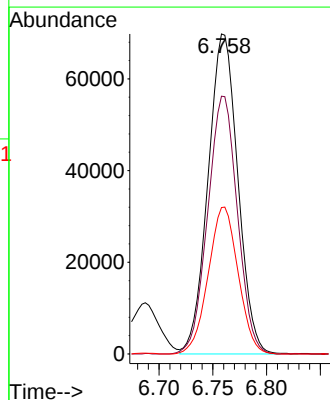
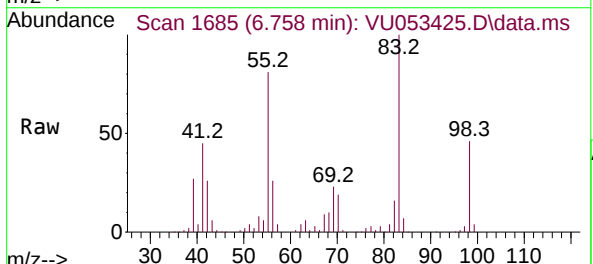
Ion	Ratio	Lower	Upper
95	100		
97	62.9	43.8	81.3
132	91.2	61.5	114.3
130	93.5	63.3	117.5

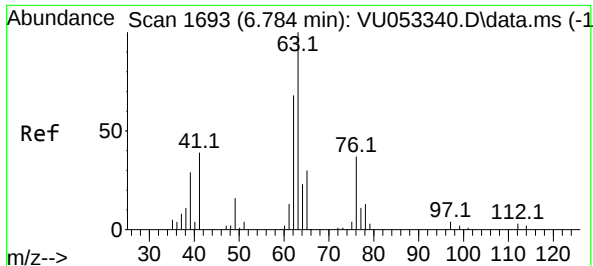


#35
Methylcyclohexane
Concen: 41.456 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion: 83 Resp: 134661

Ion	Ratio	Lower	Upper
83	100		
55	80.1	58.2	87.4
98	46.1	35.4	53.2

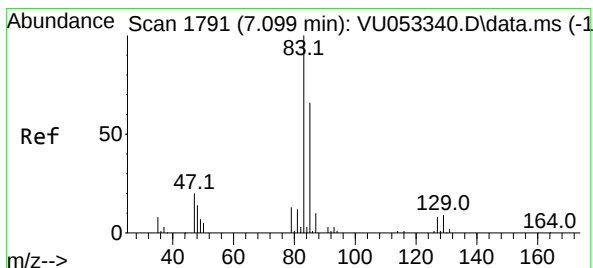
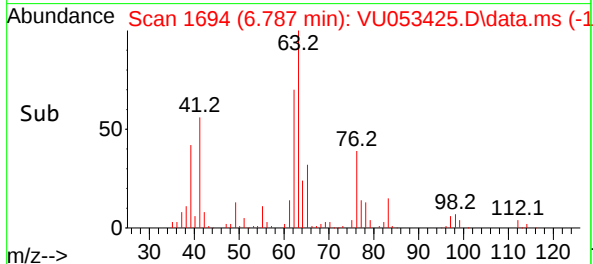
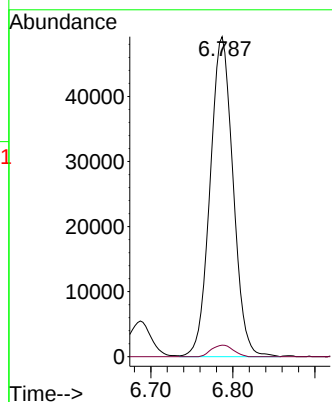
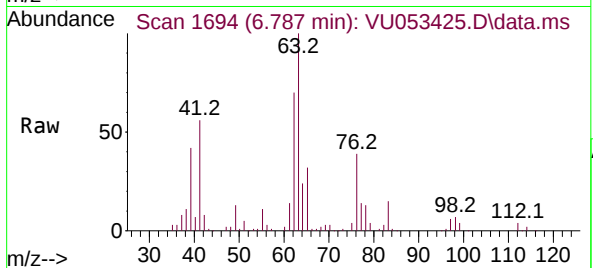




#37
1,2-Dichloropropane
Concen: 48.360 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

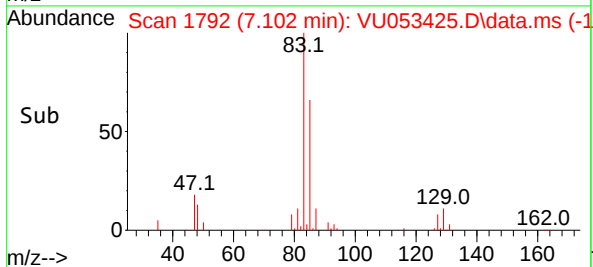
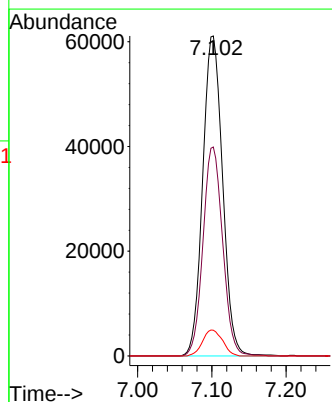
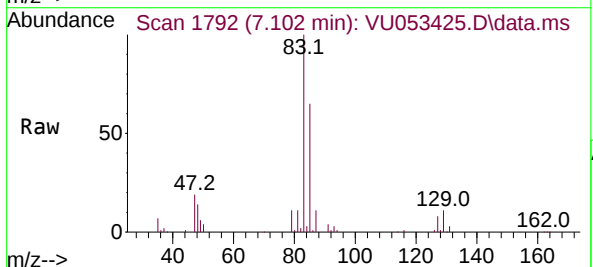
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

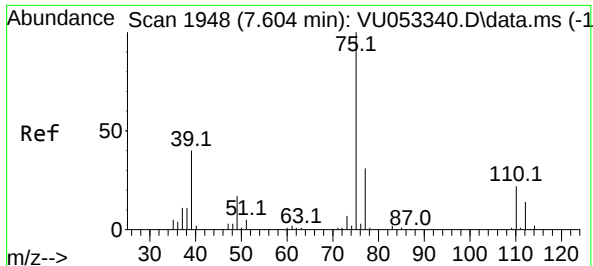
Tgt Ion: 63 Resp: 95891
Ion Ratio Lower Upper
63 100
112 3.4 2.6 3.8



#38
Bromodichloromethane
Concen: 46.016 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion: 83 Resp: 113549
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2
127 8.1 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 45.958 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

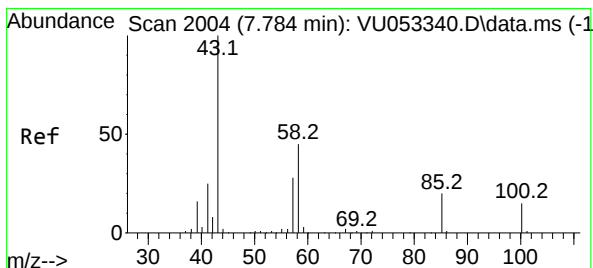
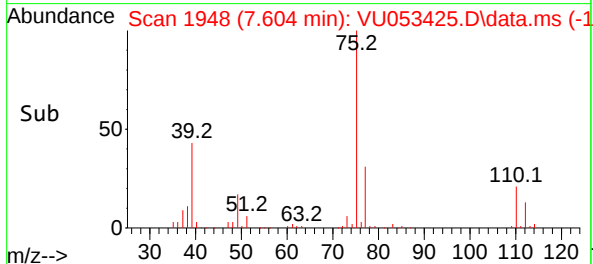
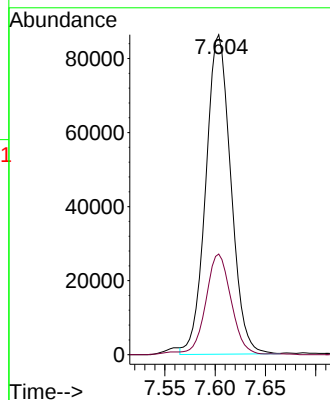
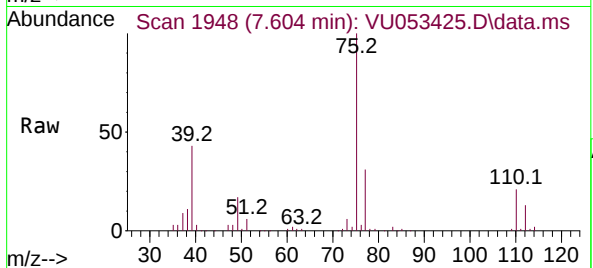
VSTD050175

Tgt Ion: 75 Resp: 149718

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 122.390 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

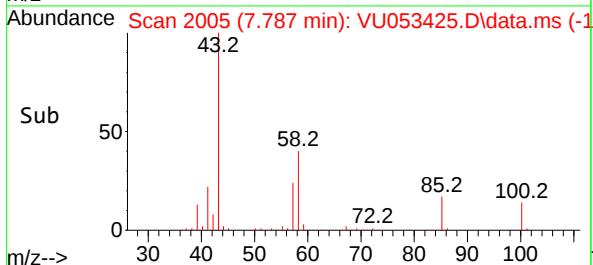
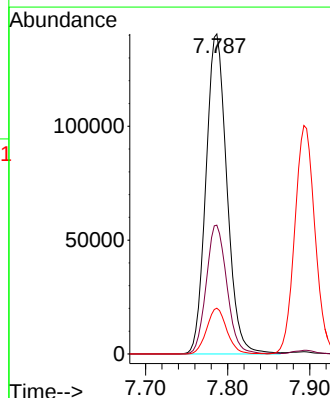
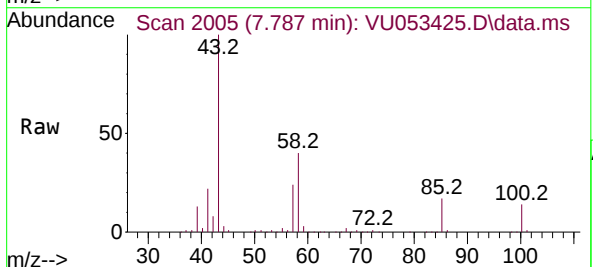
Tgt Ion: 43 Resp: 249440

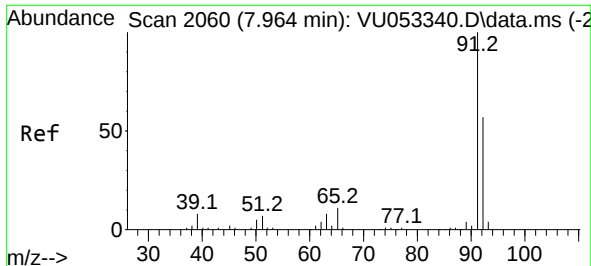
Ion Ratio Lower Upper

43 100

58 39.7 35.8 53.6

100 13.7 13.0 19.6





#42

Toluene

Concen: 46.550 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

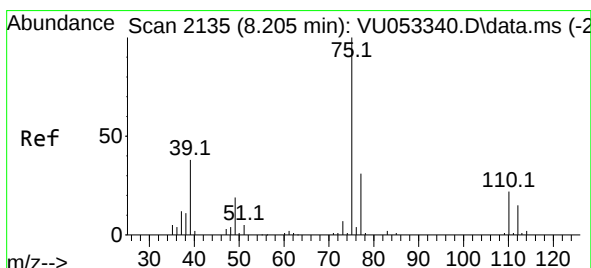
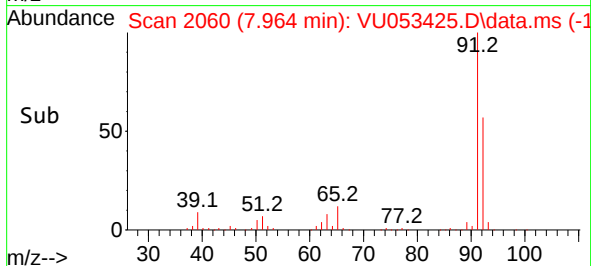
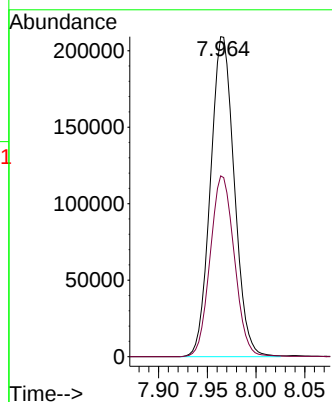
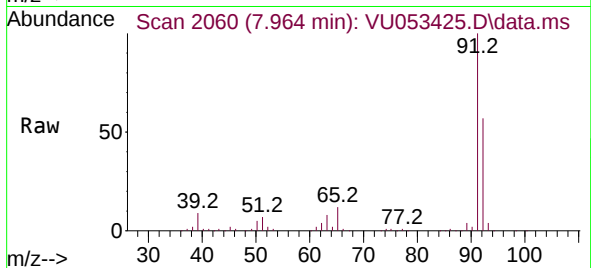
VSTD050175

Tgt Ion: 91 Resp: 355678

Ion Ratio Lower Upper

91 100

92 56.5 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 46.973 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053425.D

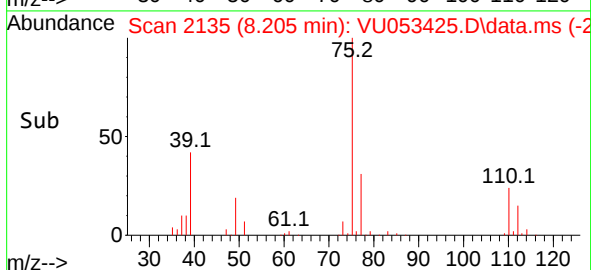
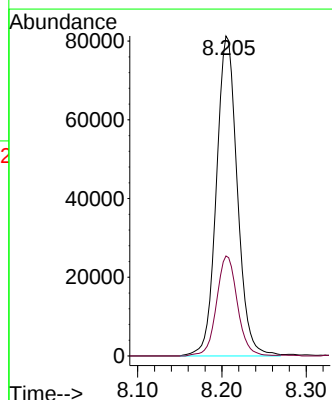
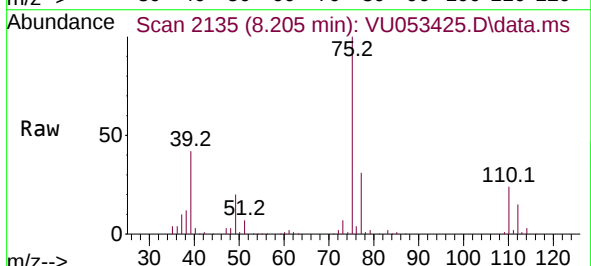
Acq: 28 Mar 2023 11:28

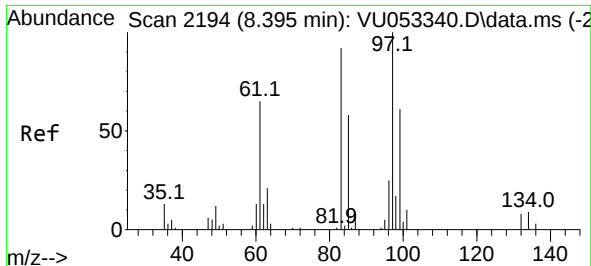
Tgt Ion: 75 Resp: 139881

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8

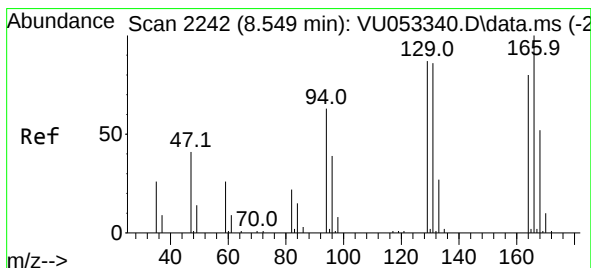
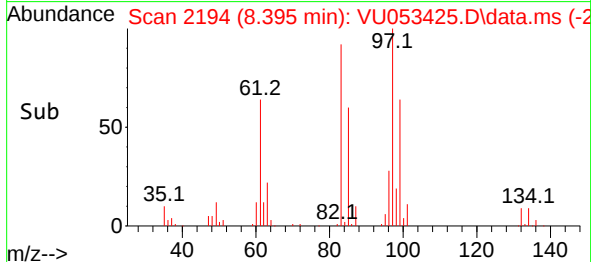
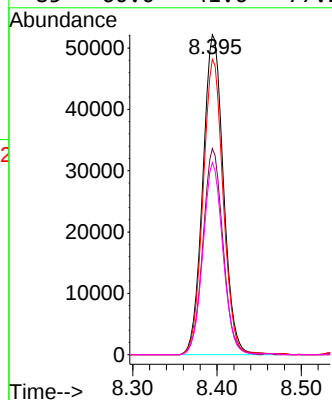
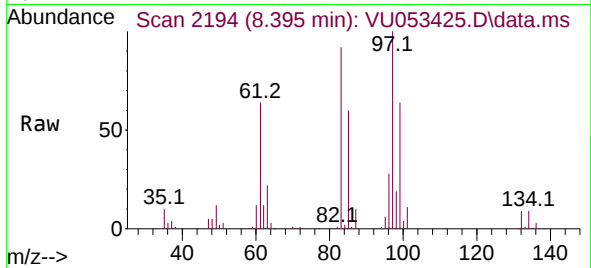




#45
1,1,2-Trichloroethane
Concen: 49.204 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

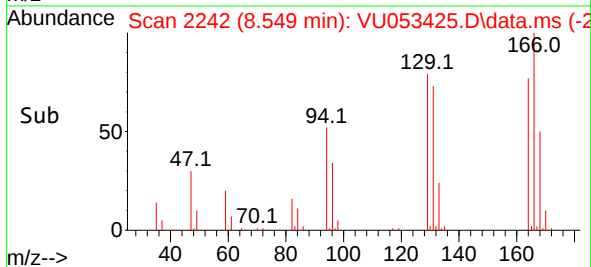
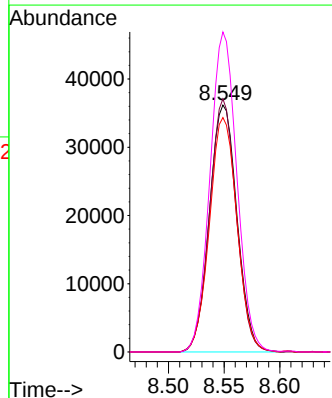
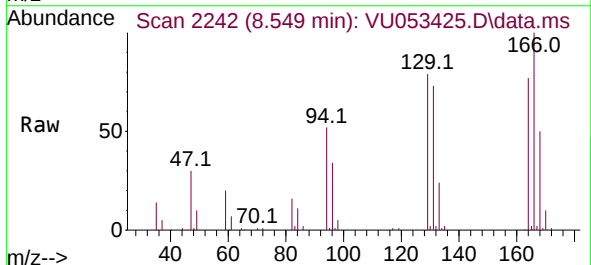
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

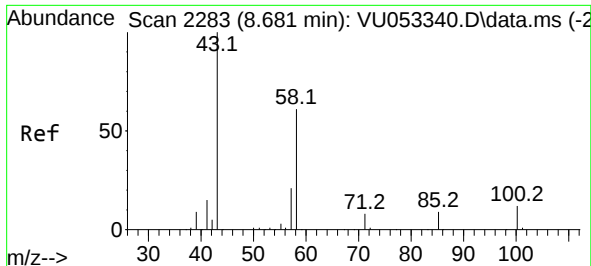
Tgt Ion:	97	Resp:	88838
Ion	Ratio	Lower	Upper
97	100		
99	64.4	44.4	82.4
83	92.3	63.8	118.6
85	60.0	41.6	77.2



#46
Tetrachloroethene
Concen: 51.690 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion:	164	Resp:	62320
Ion	Ratio	Lower	Upper
164	100		
129	102.5	73.6	136.8
131	94.9	70.3	130.7
166	129.6	88.9	165.1



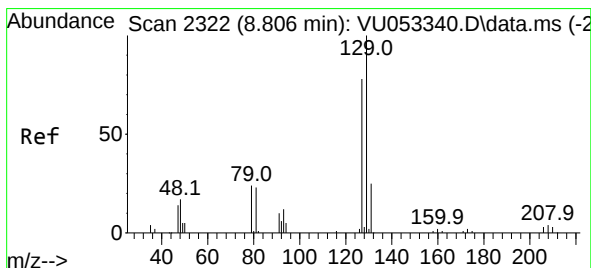
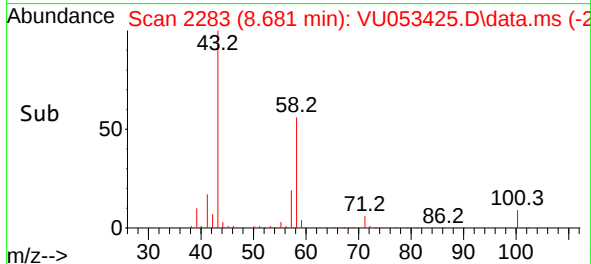
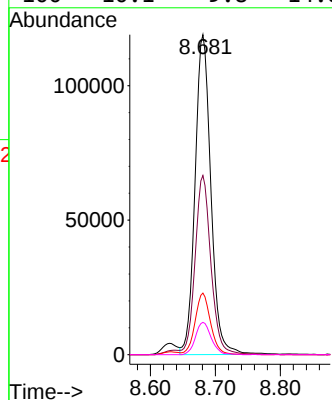
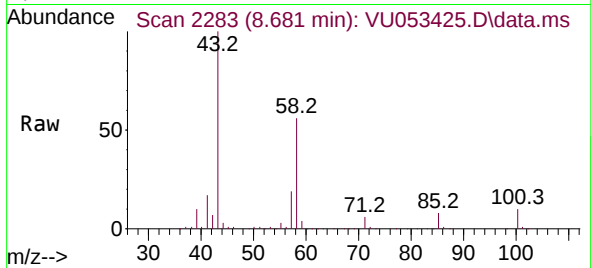


#48
2-Hexanone
Concen: 118.240 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

Tgt Ion: 43 Resp: 201796

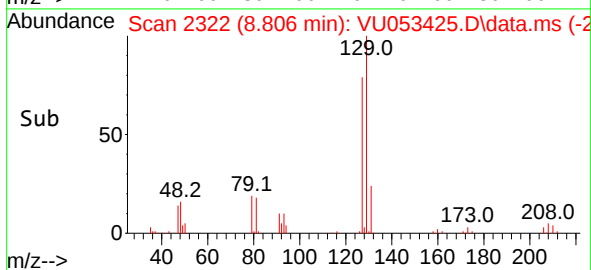
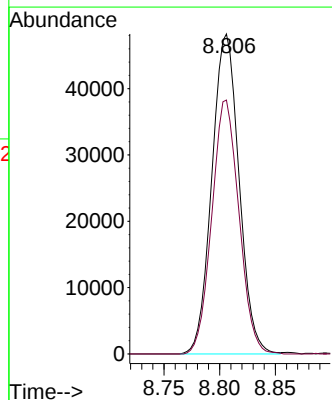
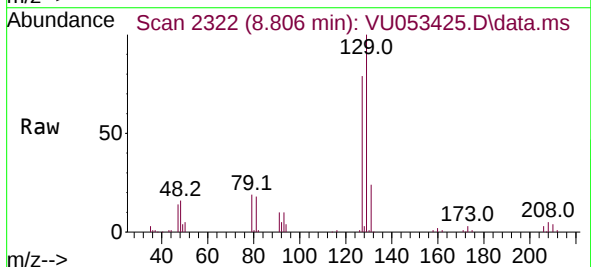
Ion	Ratio	Lower	Upper
43	100		
58	55.6	49.4	74.0
57	19.0	16.9	25.3
100	10.1	9.8	14.8

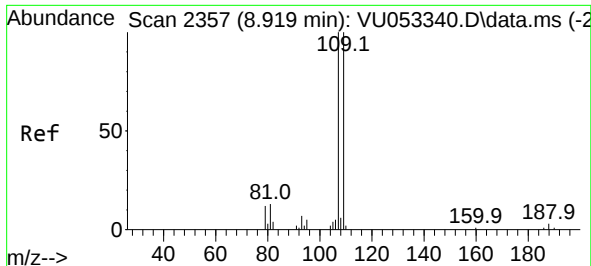


#49
Dibromochloromethane
Concen: 44.460 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion: 129 Resp: 82116

Ion	Ratio	Lower	Upper
129	100		
127	79.4	53.1	98.5





#50

1,2-Dibromoethane

Concen: 49.873 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050175

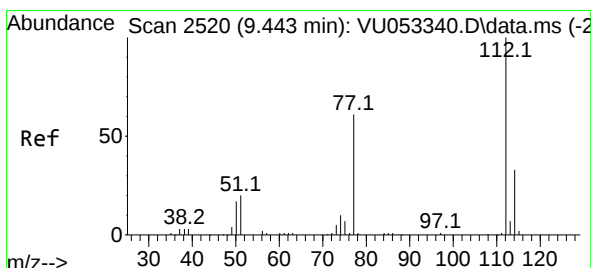
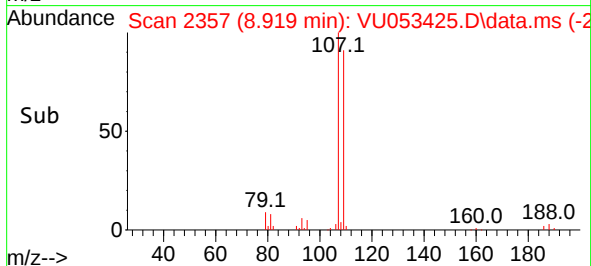
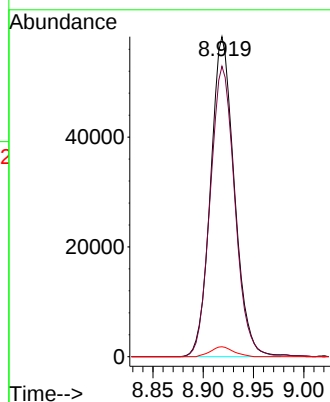
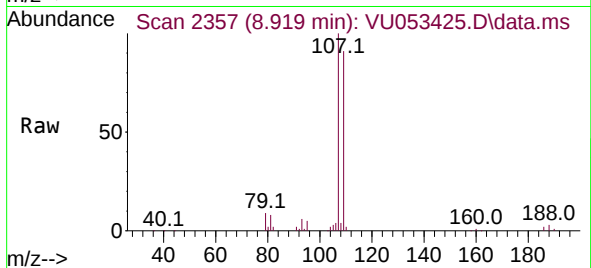
Tgt Ion:107 Resp: 95948

Ion Ratio Lower Upper

107 100

109 90.8 64.6 120.0

188 3.1 2.2 3.4



#51

Chlorobenzene

Concen: 47.698 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

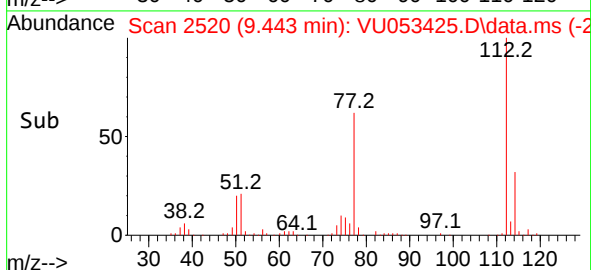
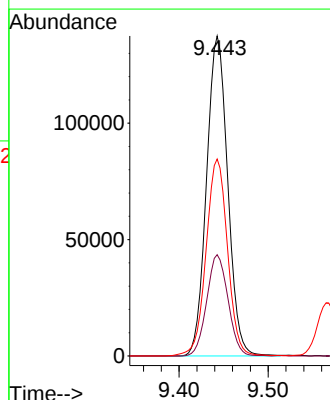
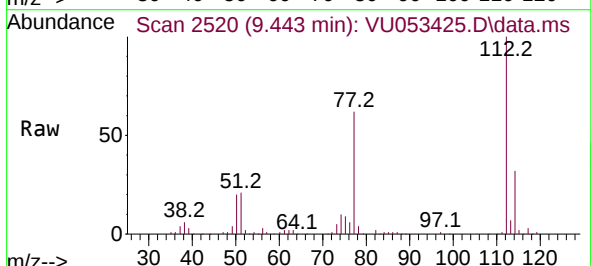
Tgt Ion:112 Resp: 227140

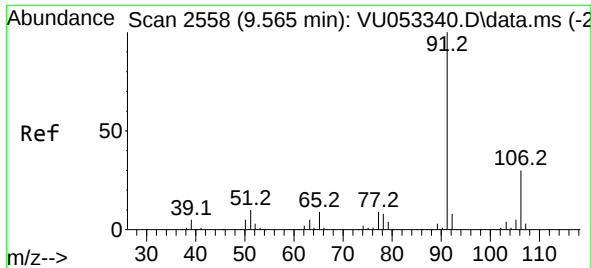
Ion Ratio Lower Upper

112 100

114 31.6 21.8 40.6

77 61.5 48.8 73.2

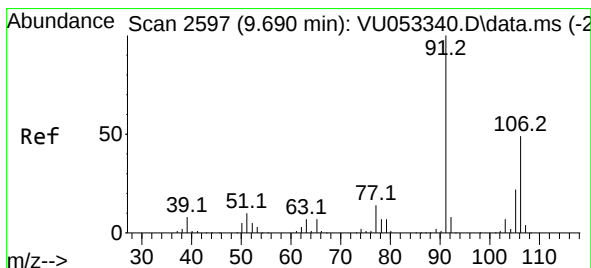
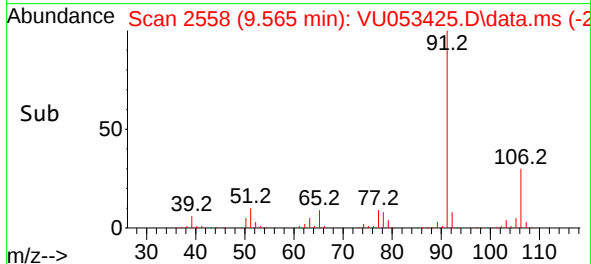
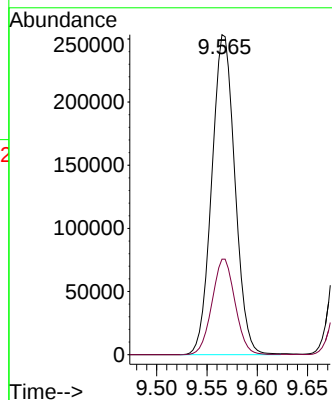
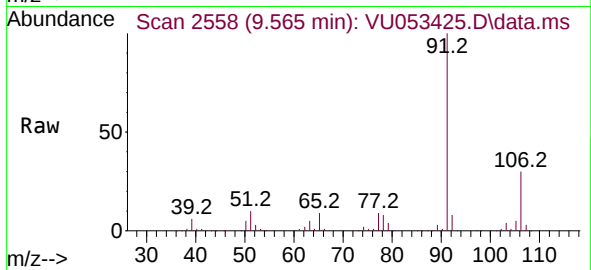




#52
Ethylbenzene
Concen: 46.790 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

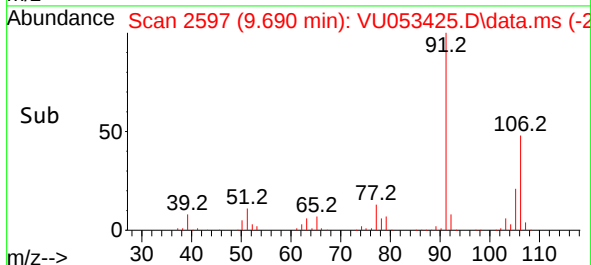
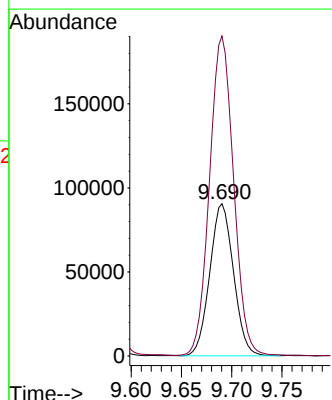
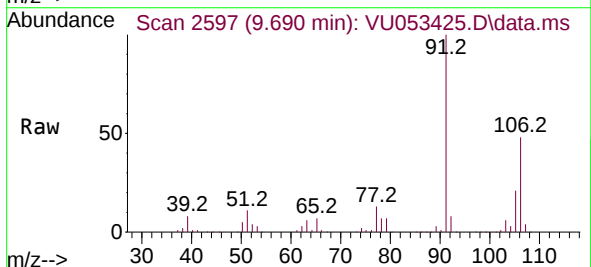
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

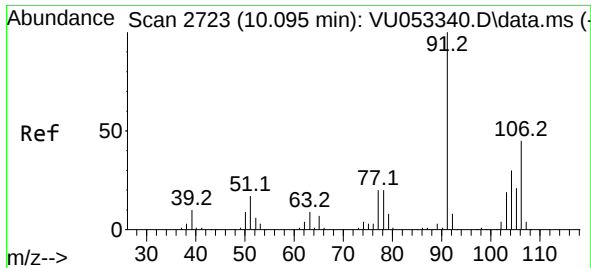
Tgt Ion: 91 Resp: 405426
Ion Ratio Lower Upper
91 100
106 29.9 21.6 40.0



#53
m,p-Xylene
Concen: 45.886 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion: 106 Resp: 148394
Ion Ratio Lower Upper
106 100
91 210.2 145.3 269.8

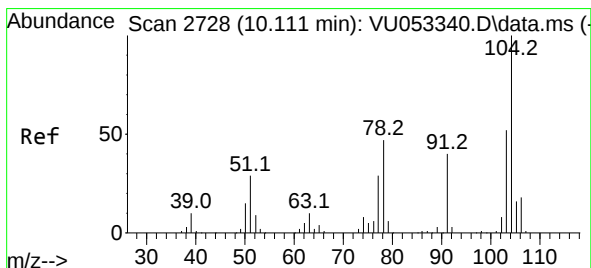
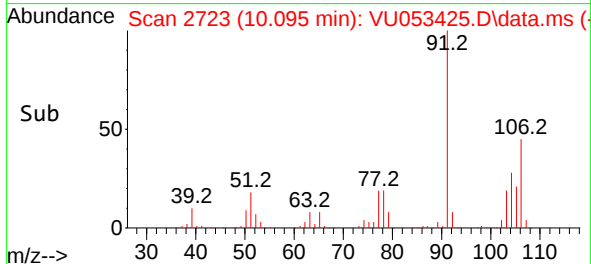
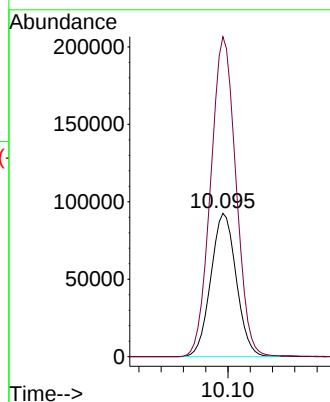
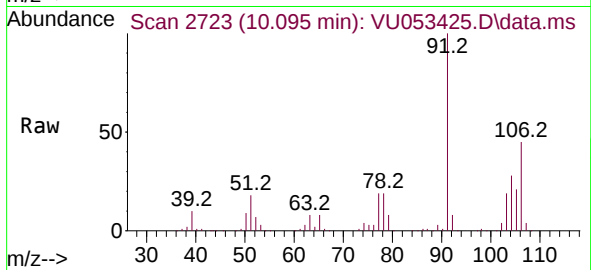




#54
o-Xylene
Concen: 45.913 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

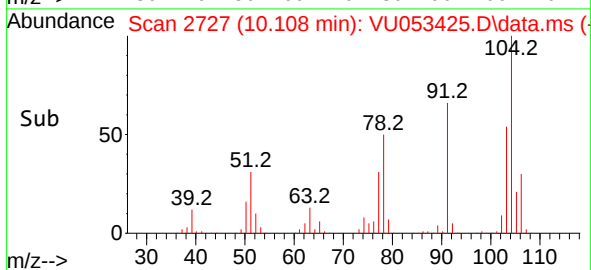
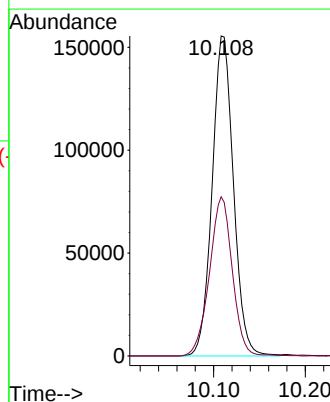
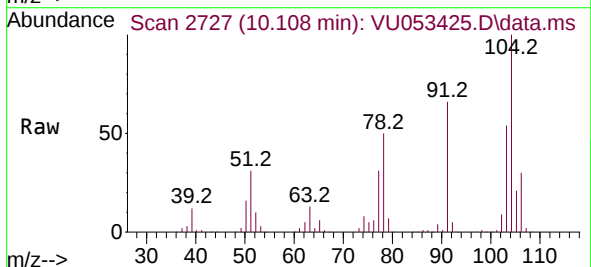
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

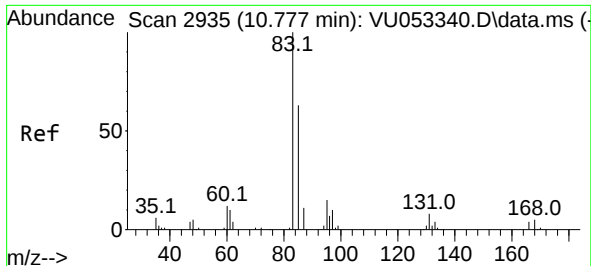
Tgt Ion:106 Resp: 146857
Ion Ratio Lower Upper
106 100
91 223.1 154.9 287.7



#55
Styrene
Concen: 47.177 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion:104 Resp: 251496
Ion Ratio Lower Upper
104 100
78 49.7 32.9 61.1

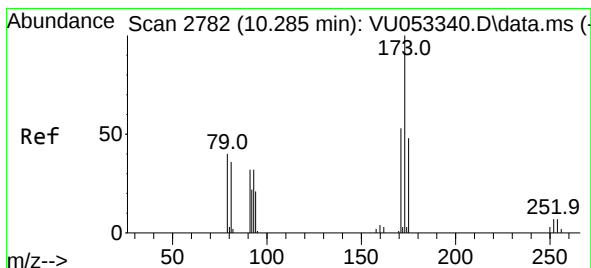
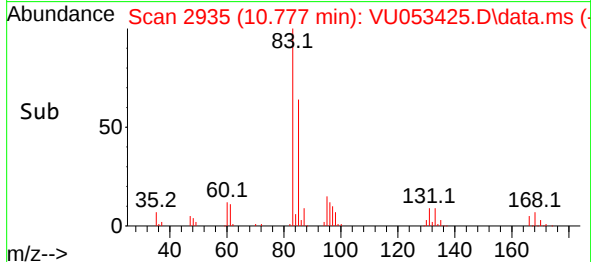
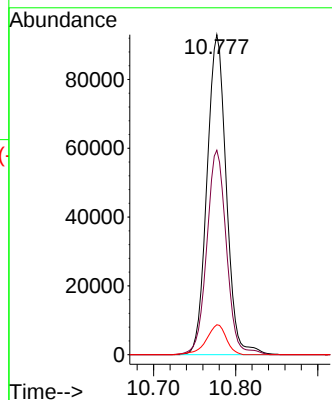
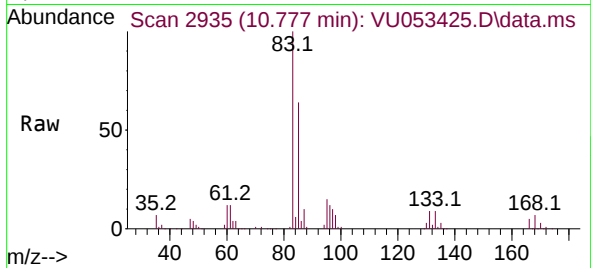




#57
1,1,2,2-Tetrachloroethane
Concen: 51.285 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

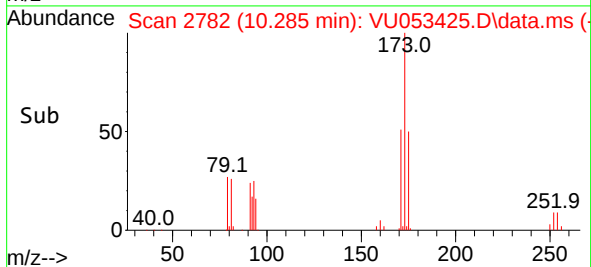
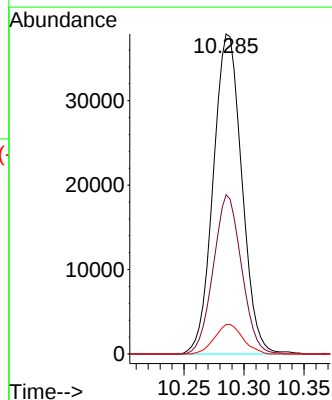
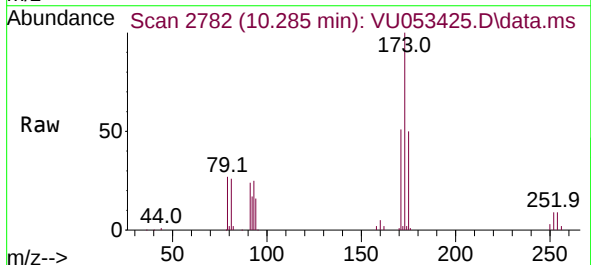
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

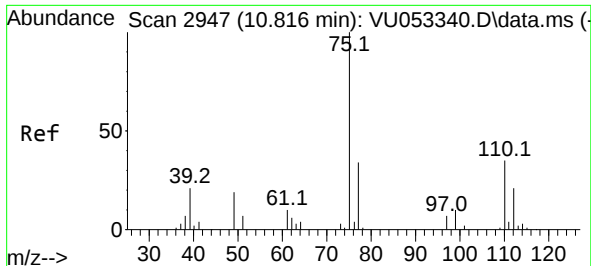
Tgt Ion: 83 Resp: 151812
Ion Ratio Lower Upper
83 100
85 63.9 46.0 85.4
131 9.4 6.6 10.0



#59
Bromoform
Concen: 52.252 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion:173 Resp: 62582
Ion Ratio Lower Upper
173 100
175 49.2 38.5 57.7
254 9.2 6.5 9.7

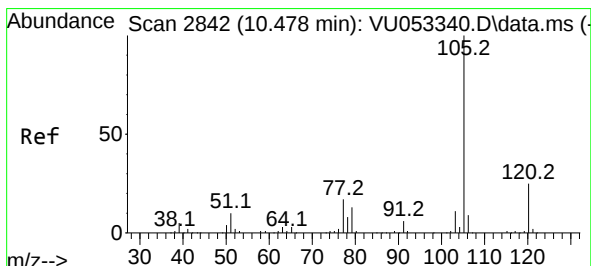
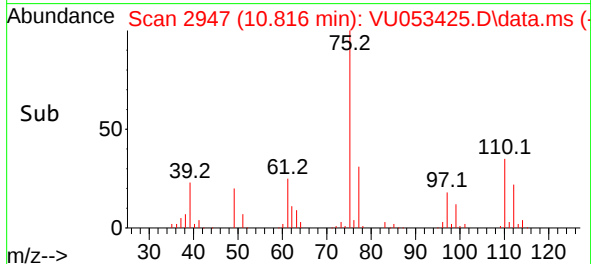
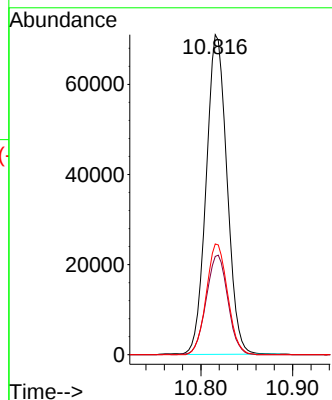
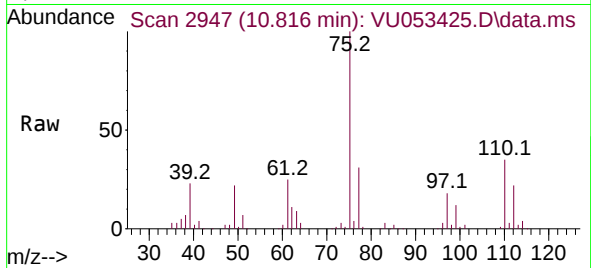




#60
1,2,3-Trichloropropane
Concen: 53.505 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

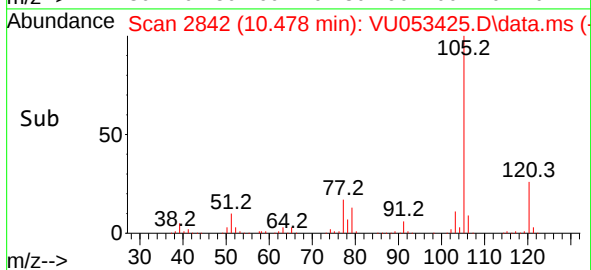
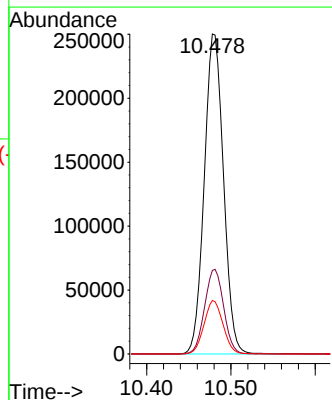
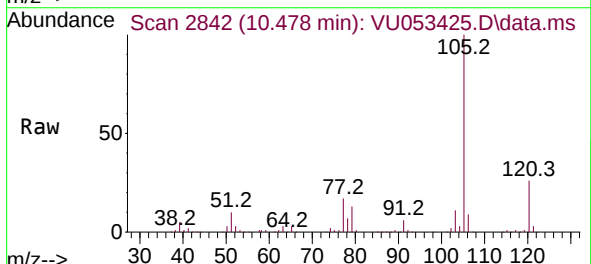
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

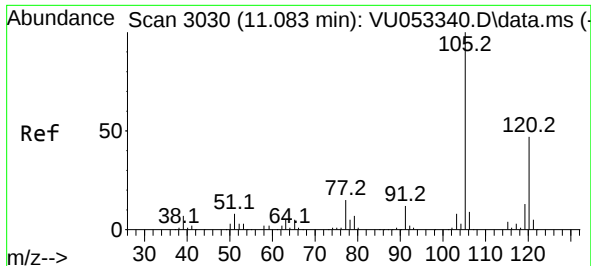
Tgt Ion:	75	Resp:	111897
Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.6	40.0
110	35.4	28.6	42.8



#61
Isopropylbenzene
Concen: 47.795 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion:	105	Resp:	397441
Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.4	30.6
77	16.5	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 47.472 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

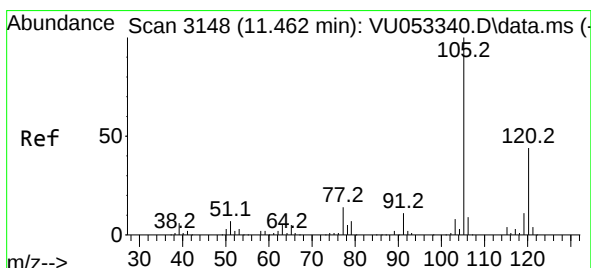
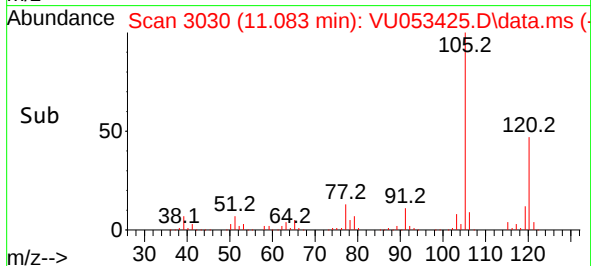
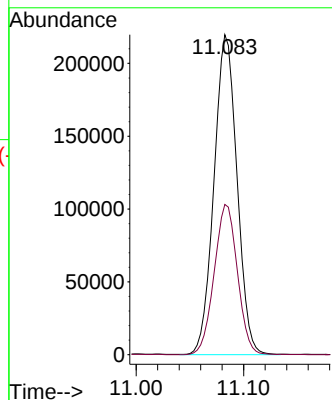
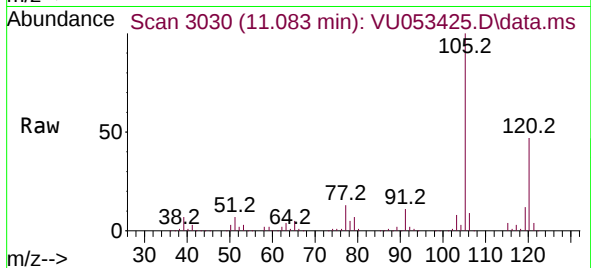
VSTD050175

Tgt Ion:105 Resp: 326757

Ion Ratio Lower Upper

105 100

120 47.3 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 47.321 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053425.D

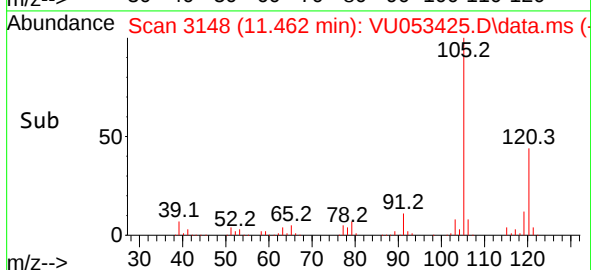
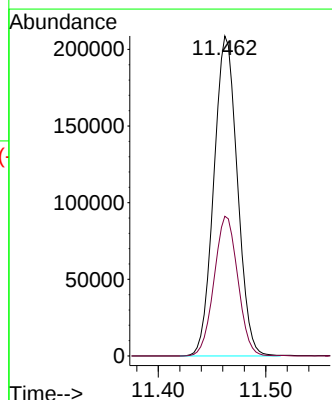
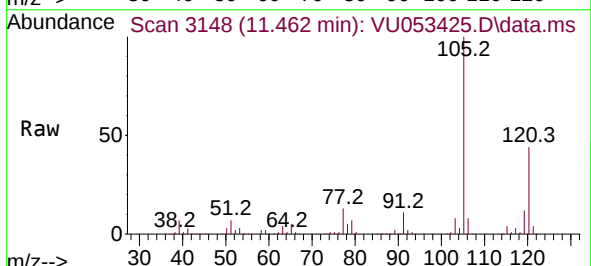
Acq: 28 Mar 2023 11:28

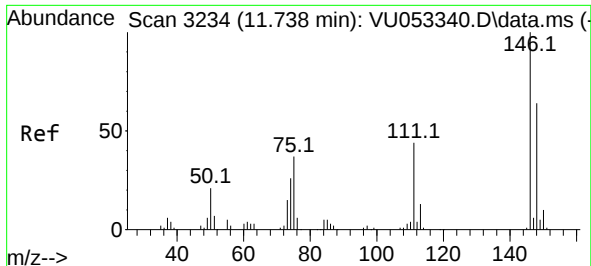
Tgt Ion:105 Resp: 317490

Ion Ratio Lower Upper

105 100

120 44.0 34.6 52.0

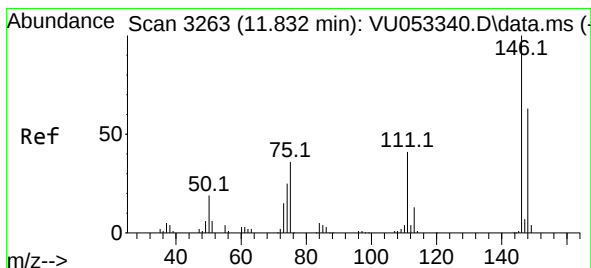
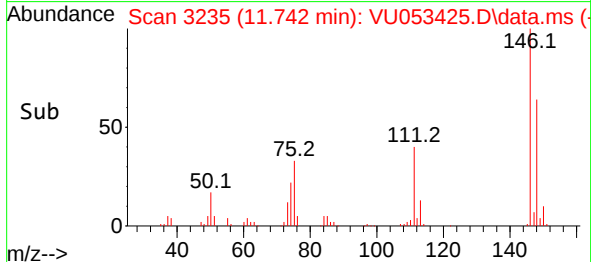
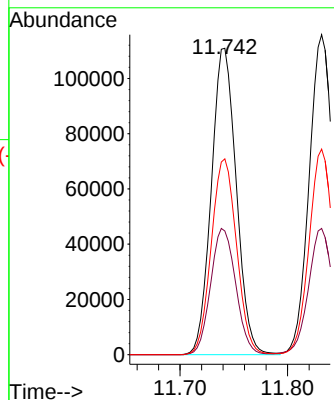
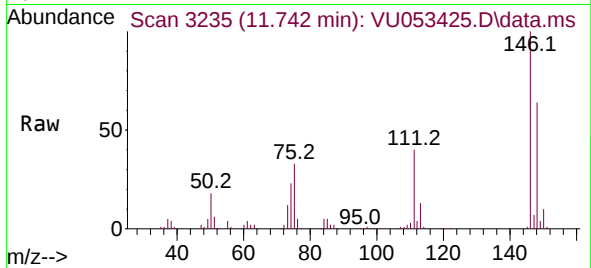




#64
1,3-Dichlorobenzene
Concen: 51.361 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

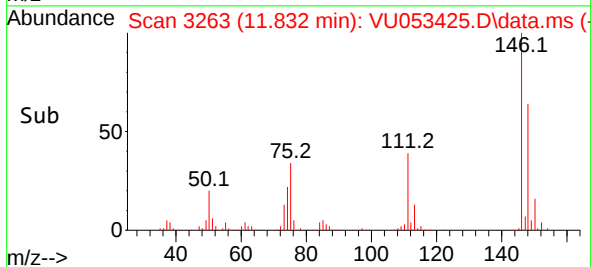
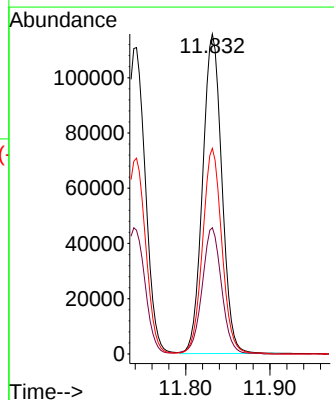
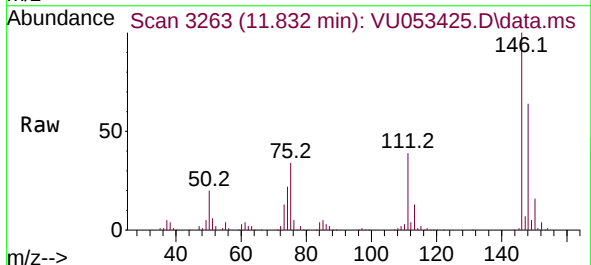
Instrument :
MSVOA_U
ClientSampleId :
VSTD050175

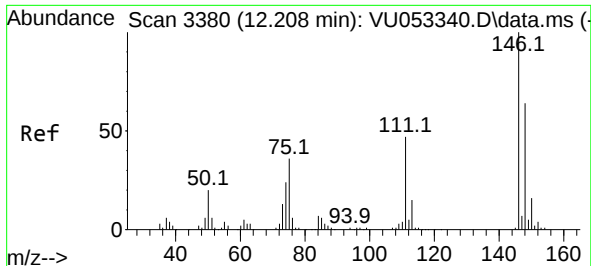
Tgt Ion:146 Resp: 179119
Ion Ratio Lower Upper
146 100
111 40.4 30.2 56.0
148 63.9 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 52.522 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053425.D
Acq: 28 Mar 2023 11:28

Tgt Ion:146 Resp: 183884
Ion Ratio Lower Upper
146 100
111 39.4 30.7 57.1
148 64.3 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 52.174 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050175

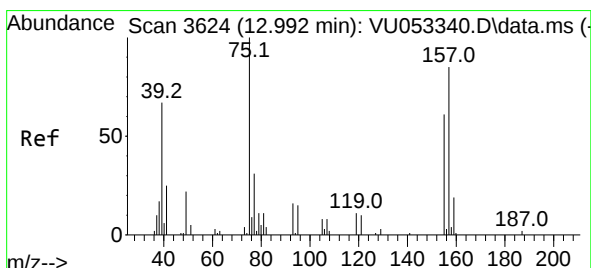
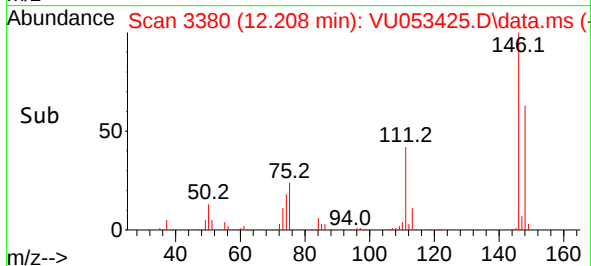
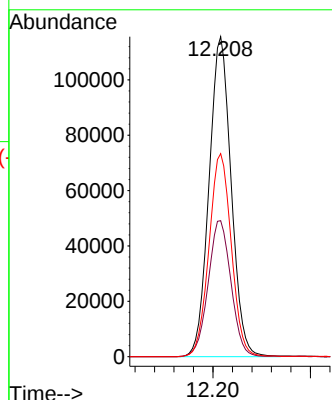
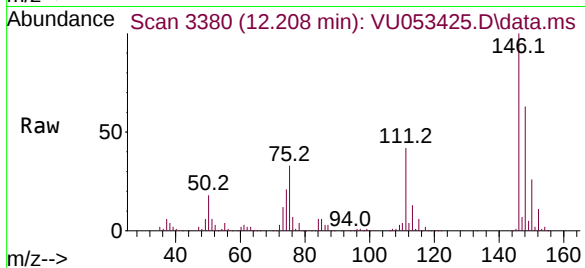
Tgt Ion:146 Resp: 181862

Ion Ratio Lower Upper

146 100

111 42.5 37.0 55.4

148 63.5 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.849 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

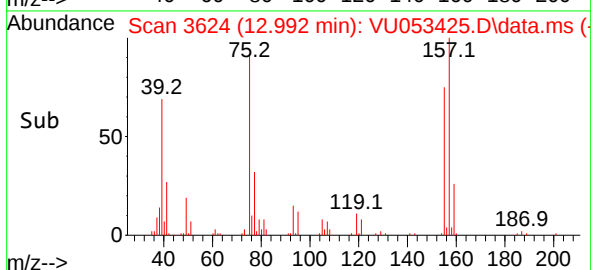
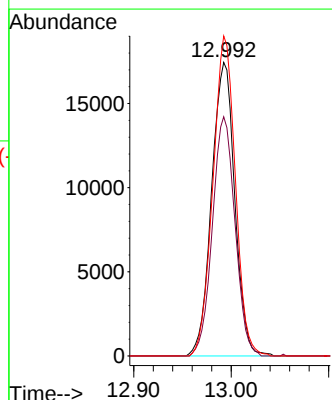
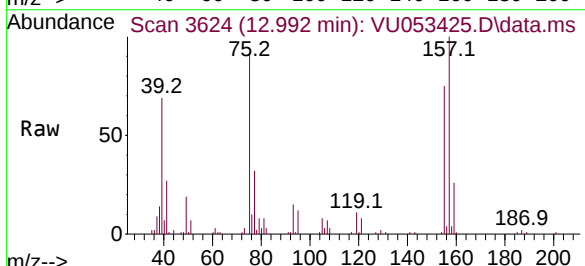
Tgt Ion: 75 Resp: 28828

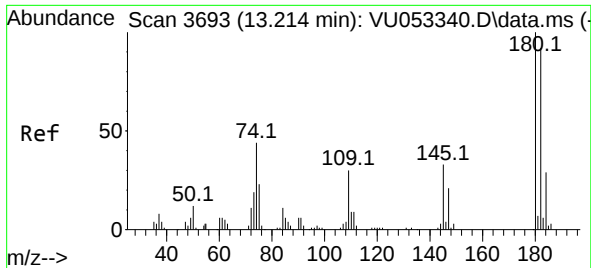
Ion Ratio Lower Upper

75 100

155 81.5 60.2 90.4

157 109.0 73.0 109.4

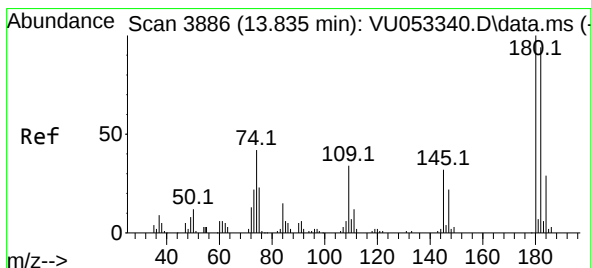
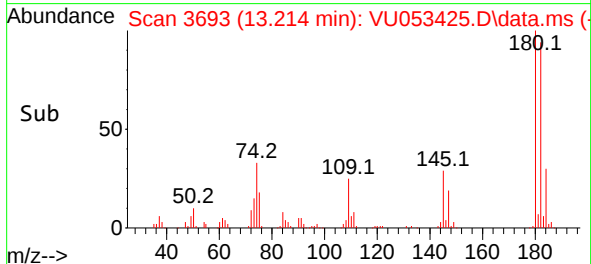
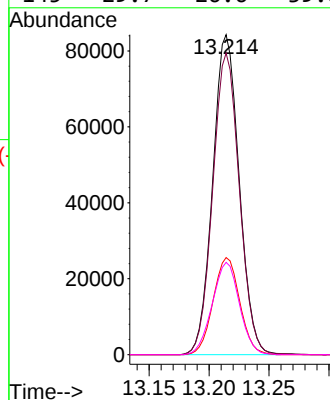
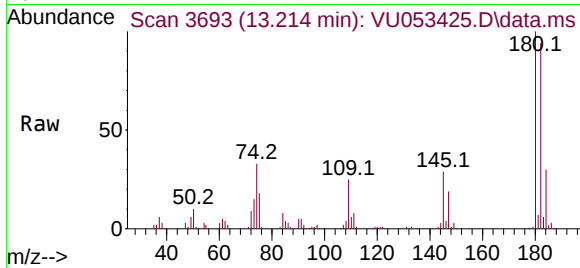




#69
 1,3,5-Trichlorobenzene
 Concen: 58.317 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU053425.D
 Acq: 28 Mar 2023 11:28

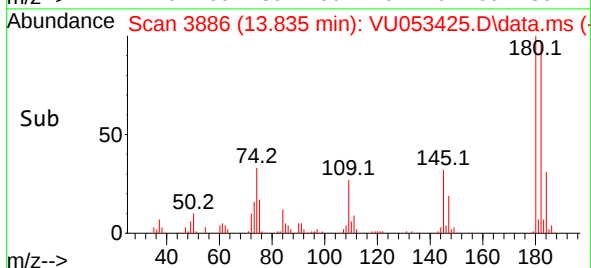
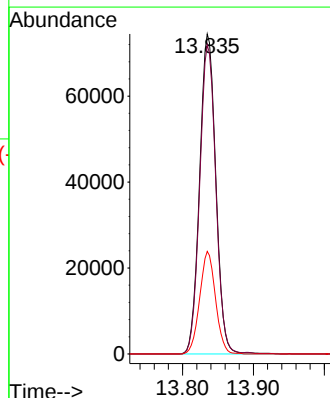
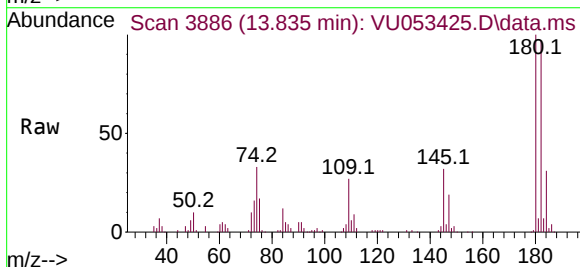
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050175

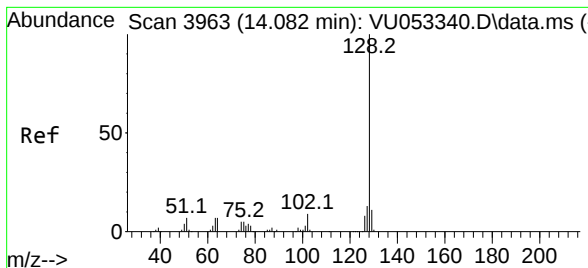
Tgt Ion:	180	Resp:	128943
Ion Ratio	Lower	Upper	
180	100		
182	95.0	74.5	111.7
184	30.6	23.2	34.8
145	29.7	26.6	39.8



#70
 1,2,4-trichlorobenzene
 Concen: 59.418 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU053425.D
 Acq: 28 Mar 2023 11:28

Tgt Ion:	180	Resp:	118047
Ion Ratio	Lower	Upper	
180	100		
182	95.8	75.8	113.8
145	31.3	27.2	40.8





#71

Naphthalene

Concen: 57.016 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050175

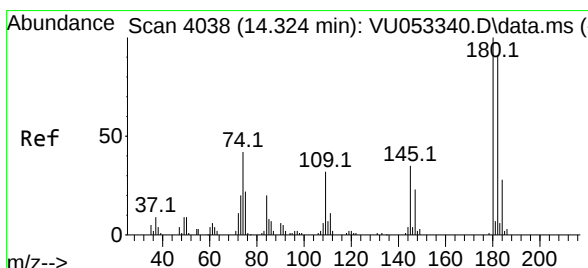
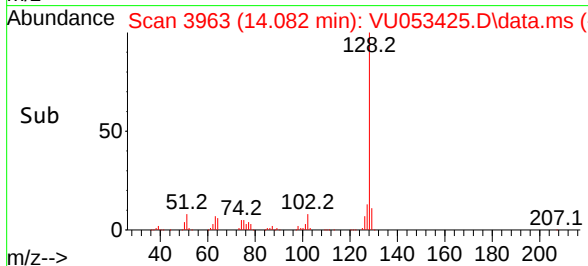
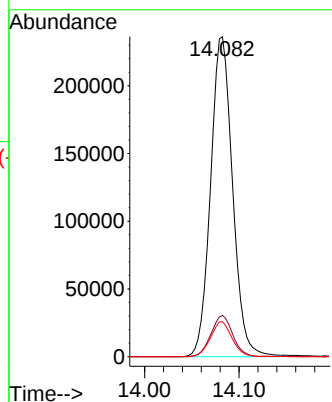
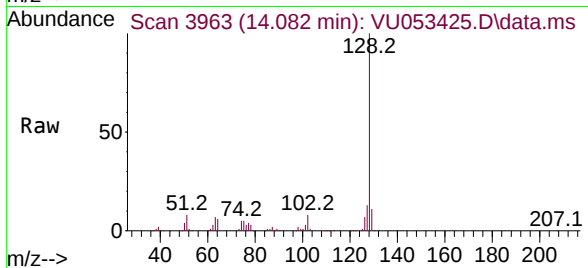
Tgt Ion:128 Resp: 381798

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 62.269 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU053425.D

Acq: 28 Mar 2023 11:28

Tgt Ion:180 Resp: 117319

Ion Ratio Lower Upper

180 100

182 94.3 76.7 115.1

145 32.2 28.6 42.8

