

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052833.D
 Acq On : 27 Jan 2023 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050143

Quant Time: Jan 27 22:17:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	262354	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	254860	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	147204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	82265	43.566	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.140%
7) Chloroethane-d5	1.909	69	72925	46.869	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.740%
11) 1,1-Dichloroethene-d2	2.568	63	175804	46.809	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.620%
21) 2-Butanone-d5	4.620	46	102661	88.007	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.010%
24) Chloroform-d	5.060	84	193612	48.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.080%
26) 1,2-Dichloroethane-d4	5.697	65	122604	47.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.300%
32) Benzene-d6	5.723	84	363386	46.669	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.340%
36) 1,2-Dichloropropane-d6	6.684	67	107903	47.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.500%
41) Toluene-d8	7.893	98	336303	47.432	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.860%
43) trans-1,3-Dichloroprop...	8.176	79	54894	47.960	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.920%
47) 2-Hexanone-d5	8.629	63	75005	93.476	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.480%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	155182	45.993	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.980%
66) 1,2-Dichlorobenzene-d4	12.189	152	134749	47.143	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	120073	48.877	ug/L	100
3) Chloromethane	1.520	50	92731	45.767	ug/L	100
5) Vinyl chloride	1.604	62	106153	47.358	ug/L	99
6) Bromomethane	1.855	94	70901	50.156	ug/L	96
8) Chloroethane	1.929	64	68595	48.722	ug/L	96
9) Trichlorofluoromethane	2.138	101	184710	49.198	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	101789	48.100	ug/L	96
12) 1,1-Dichloroethene	2.578	96	94254	48.565	ug/L	97
13) Acetone	2.626	43	153587	107.804	ug/L	97
14) Carbon disulfide	2.790	76	277101	47.273	ug/L	100
15) Methyl Acetate	2.945	43	88580	46.145	ug/L	97
16) Methylene chloride	3.041	84	108986	47.207	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	102263	48.758	ug/L	94
18) Methyl tert-butyl Ether	3.359	73	303092	49.146	ug/L	99
19) 1,1-Dichloroethane	3.864	63	177550	48.269	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	110078	49.157	ug/L	99
22) 2-Butanone	4.697	43	159510	104.747	ug/L	98
23) Bromochloromethane	4.970	128	62550	49.742	ug/L	99
25) Chloroform	5.083	83	203040	49.170	ug/L	100

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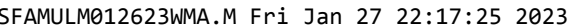
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050143

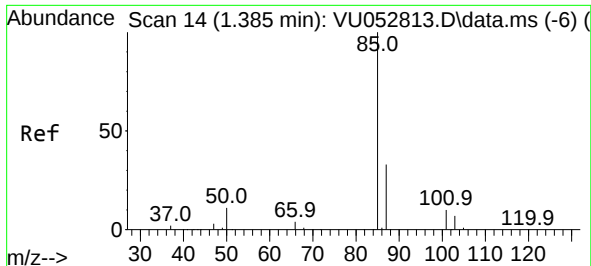
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	161319	49.348	ug/L	99
29) Cyclohexane	5.385	56	149336	49.447	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	185016	49.353	ug/L	99
31) Carbon tetrachloride	5.520	117	165717	50.995	ug/L	99
33) Benzene	5.771	78	428188	49.356	ug/L	100
34) Trichloroethene	6.539	95	105379	47.790	ug/L	94
35) Methylcyclohexane	6.761	83	176895	50.686	ug/L	99
37) 1,2-Dichloropropane	6.787	63	103102	48.339	ug/L	99
38) Bromodichloromethane	7.102	83	153835	49.150	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	160935	48.168	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	242802	96.625	ug/L	99
42) Toluene	7.967	91	451819	50.816	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	163293	49.732	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	107719	49.387	ug/L	99
46) Tetrachloroethene	8.549	164	95604	50.351	ug/L	98
48) 2-Hexanone	8.681	43	217342	102.240	ug/L	98
49) Dibromochloromethane	8.806	129	131923	50.578	ug/L	100
50) 1,2-Dibromoethane	8.919	107	114197	48.647	ug/L	99
51) Chlorobenzene	9.443	112	296680	48.500	ug/L	99
52) Ethylbenzene	9.568	91	483289	50.862	ug/L	100
53) m,p-Xylene	9.690	106	198231	51.533	ug/L	98
54) o-xylene	10.099	106	192506	52.422	ug/L	95
55) Styrene	10.112	104	334663	53.109	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	169178	47.928	ug/L	99
59) Bromoform	10.285	173	97303	48.237	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	133825	46.867	ug/L	99
61) Isopropylbenzene	10.481	105	494836	52.049	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	416092	52.563	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	413685	54.005	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	238825	49.790	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	242127	48.760	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	241614	49.800	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.993	75	38319	46.818	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	176851	49.803	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	143026	48.041	ug/L	97
71) Naphthalene	14.082	128	406097	47.466	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	153363	48.744	ug/L	99

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

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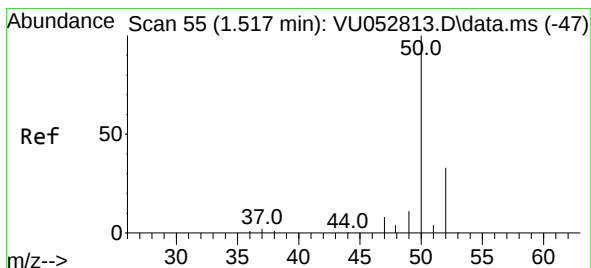
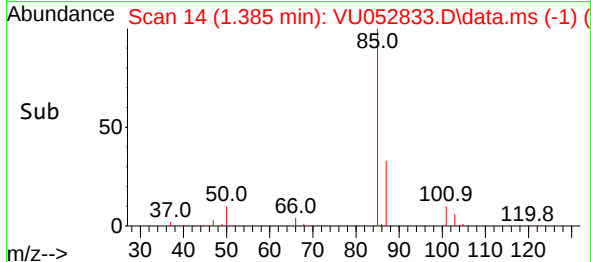
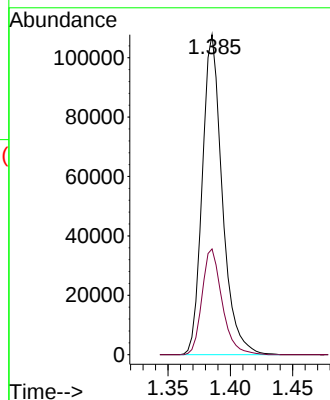
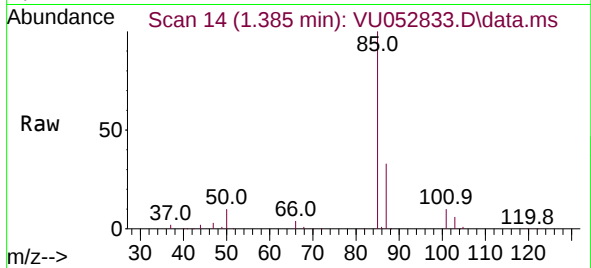




#2
Dichlorodifluoromethane
Concen: 48.877 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

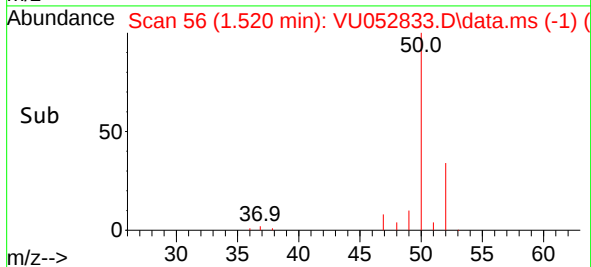
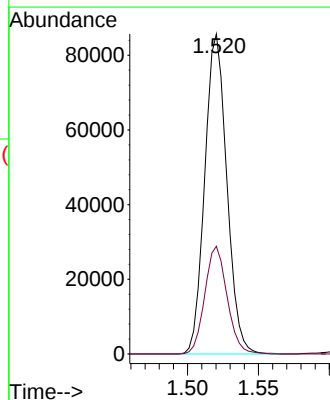
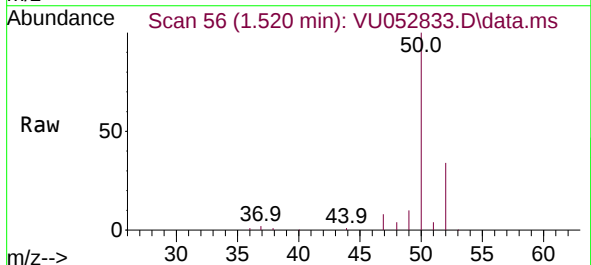
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

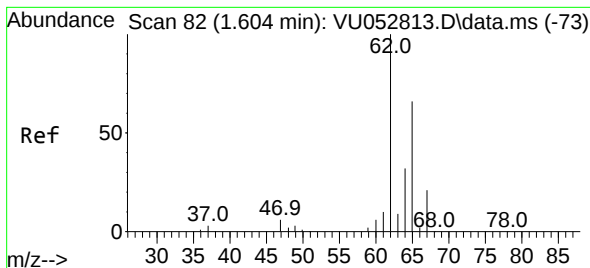
Tgt Ion: 85 Resp: 120073
Ion Ratio Lower Upper
85 100
87 33.1 26.4 39.6



#3
Chloromethane
Concen: 45.767 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 50 Resp: 92731
Ion Ratio Lower Upper
50 100
52 33.7 23.4 43.4





#5

Vinyl chloride

Concen: 47.358 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

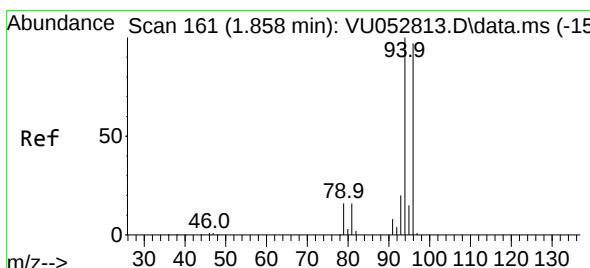
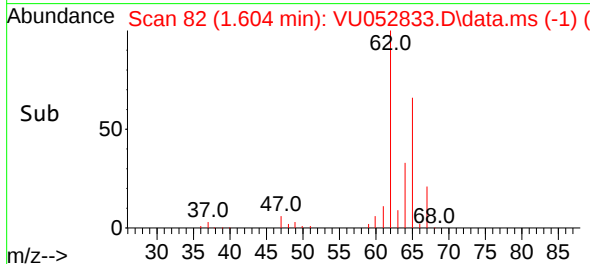
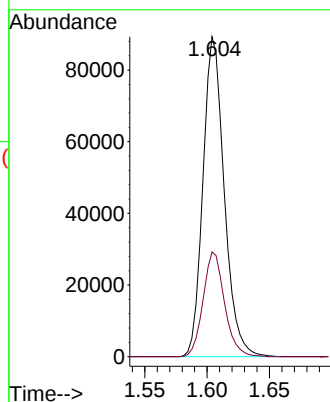
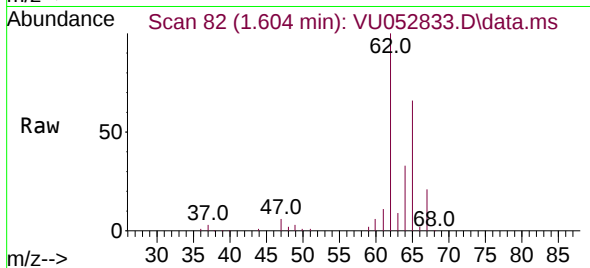
VSTD050143

Tgt Ion: 62 Resp: 106153

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



#6

Bromomethane

Concen: 50.156 ug/L

RT: 1.855 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU052833.D

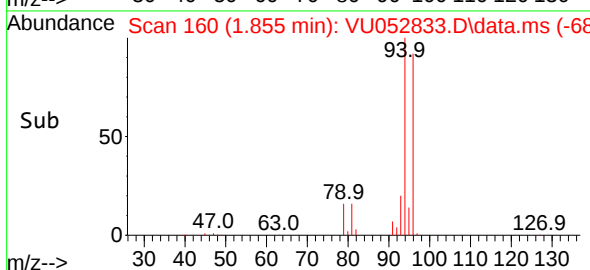
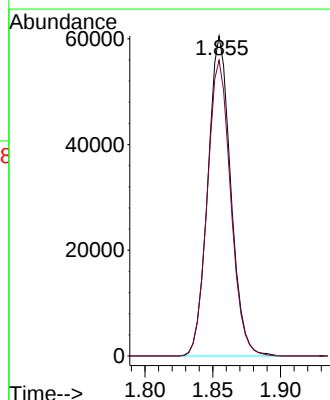
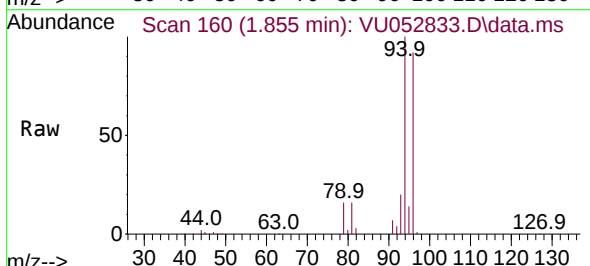
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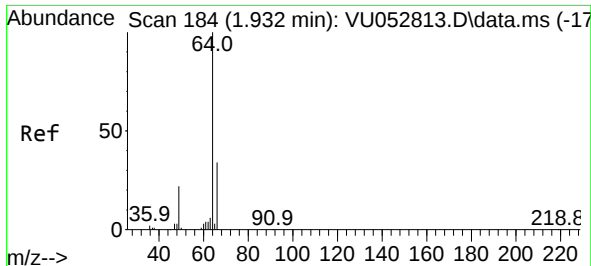
Tgt Ion: 94 Resp: 70901

Ion Ratio Lower Upper

94 100

96 92.4 67.8 125.8

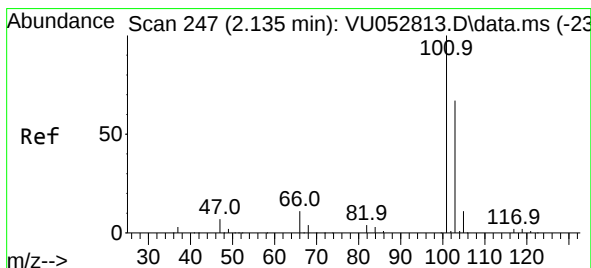
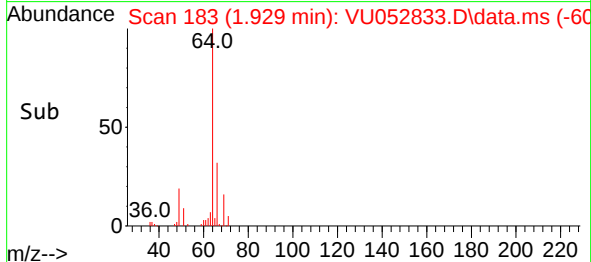
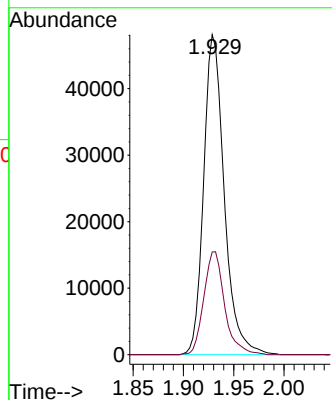
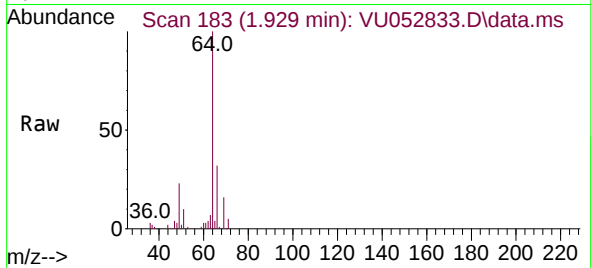




#8
Chloroethane
Concen: 48.722 ug/L
RT: 1.929 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

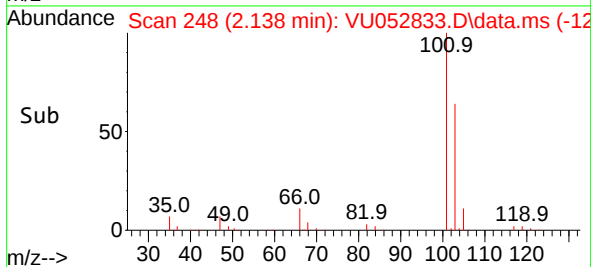
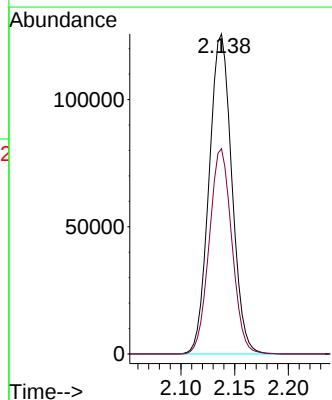
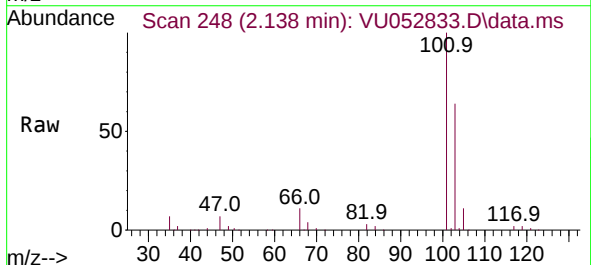
Instrument :
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VSTD050143

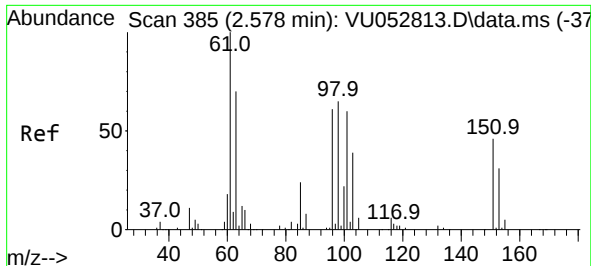
Tgt Ion: 64 Resp: 68595
Ion Ratio Lower Upper
64 100
66 32.1 24.1 44.7



#9
Trichlorofluoromethane
Concen: 49.198 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion:101 Resp: 184710
Ion Ratio Lower Upper
101 100
103 63.8 52.0 78.0

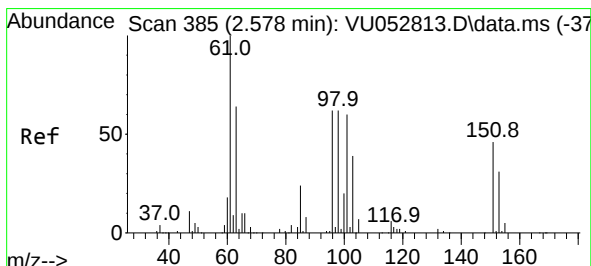
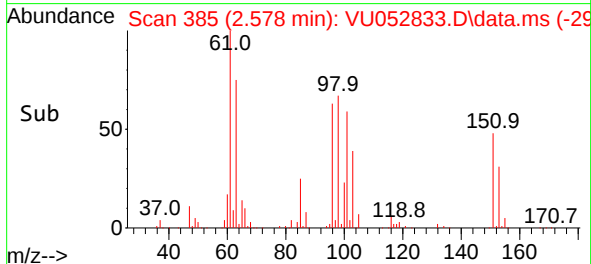
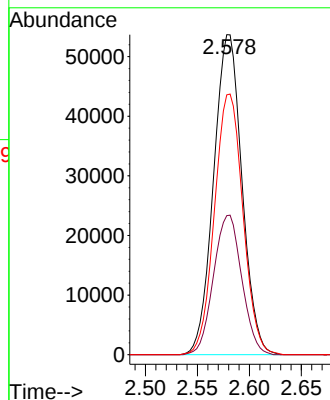
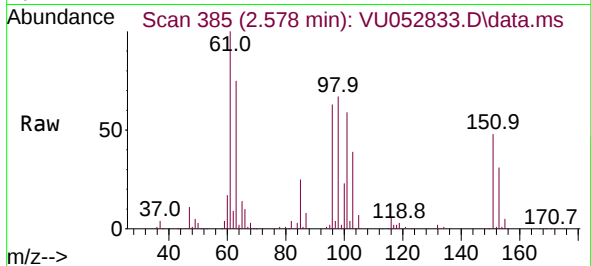




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.100 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052833.D
 Acq: 27 Jan 2023 09:29

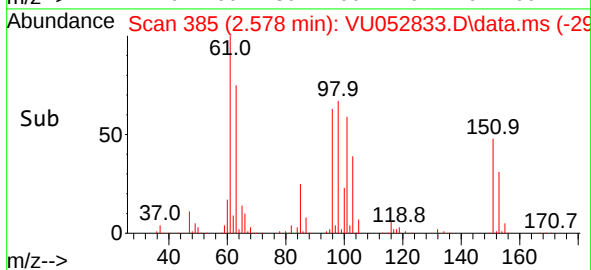
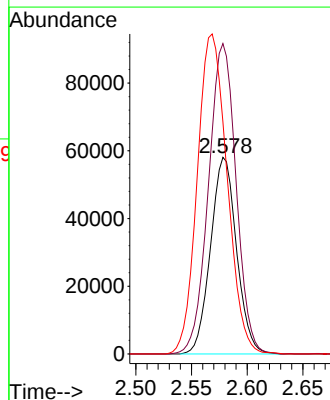
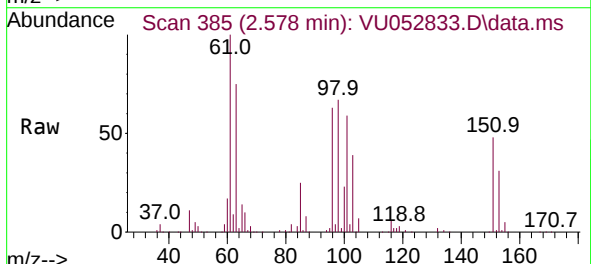
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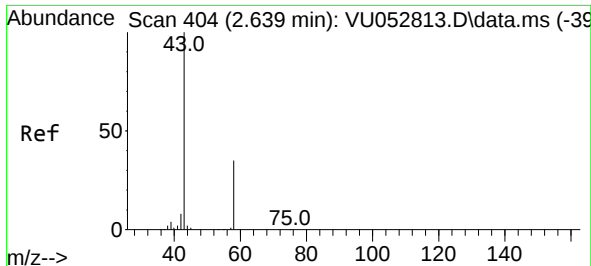
Tgt Ion:101 Resp: 101789
 Ion Ratio Lower Upper
 101 100
 85 43.4 32.9 49.3
 151 81.7 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 48.565 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052833.D
 Acq: 27 Jan 2023 09:29

Tgt Ion: 96 Resp: 94254
 Ion Ratio Lower Upper
 96 100
 61 157.9 114.3 212.3
 63 118.0 80.6 149.6





#13

Acetone

Concen: 107.804 ug/L

RT: 2.626 min Scan# 404

Delta R.T. -0.013 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

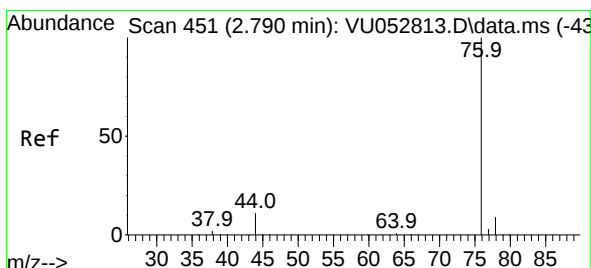
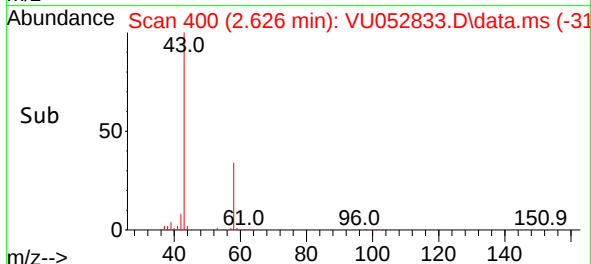
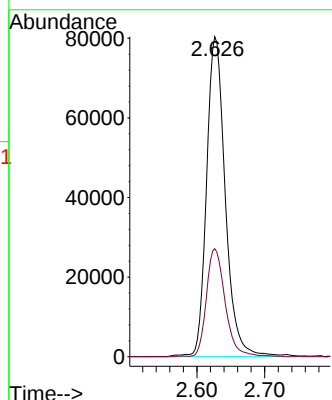
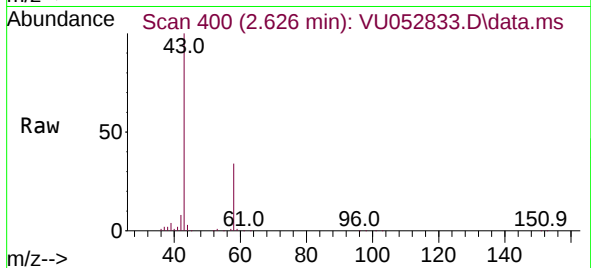
VSTD050143

Tgt Ion: 43 Resp: 153587

Ion Ratio Lower Upper

43 100

58 33.4 0.0 70.2



#14

Carbon disulfide

Concen: 47.273 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052833.D

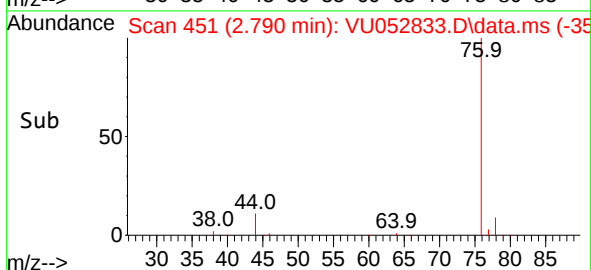
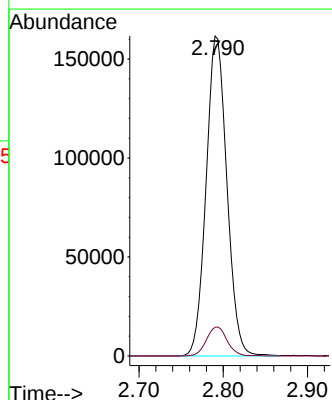
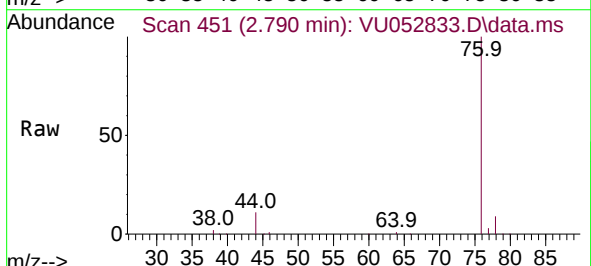
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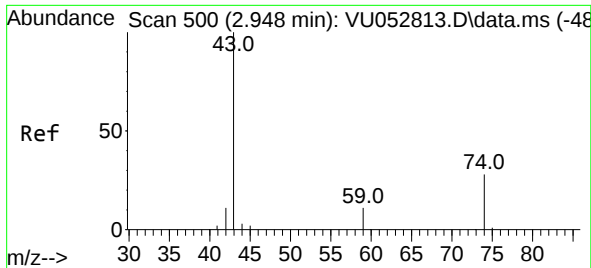
Tgt Ion: 76 Resp: 277101

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

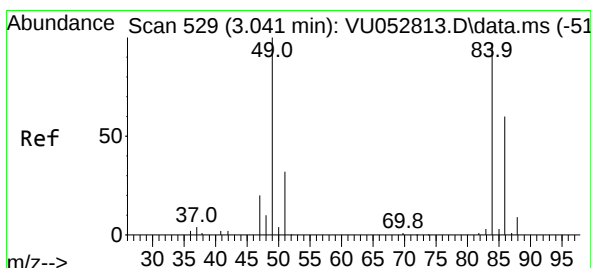
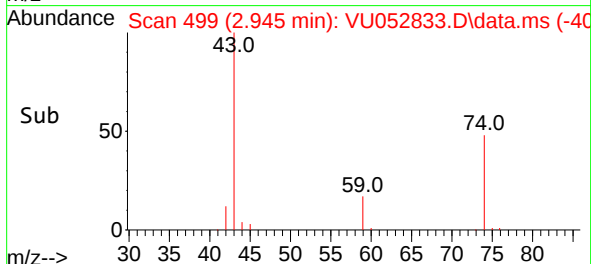
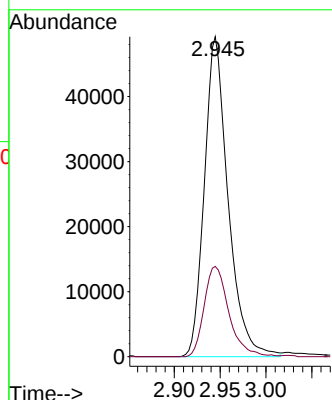
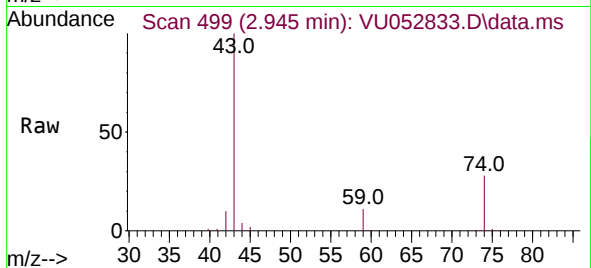




#15
Methyl Acetate
Concen: 46.145 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

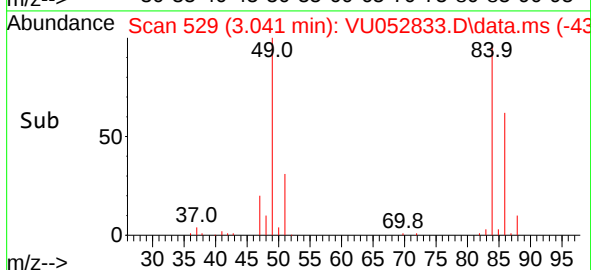
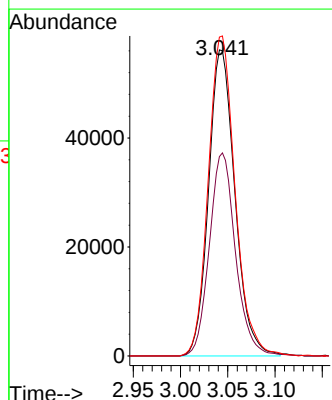
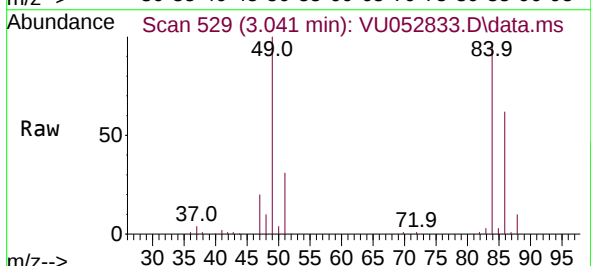
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

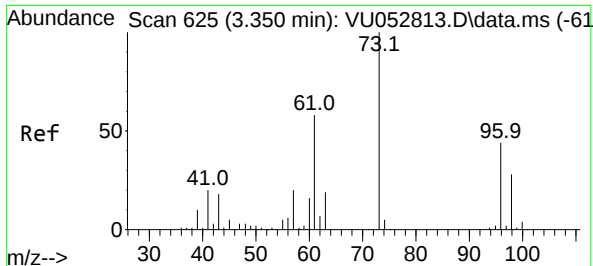
Tgt Ion: 43 Resp: 88580
Ion Ratio Lower Upper
43 100
74 29.2 22.0 33.0



#16
Methylene chloride
Concen: 47.207 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 84 Resp: 108986
Ion Ratio Lower Upper
84 100
86 65.1 43.4 80.6
49 104.2 72.4 134.5

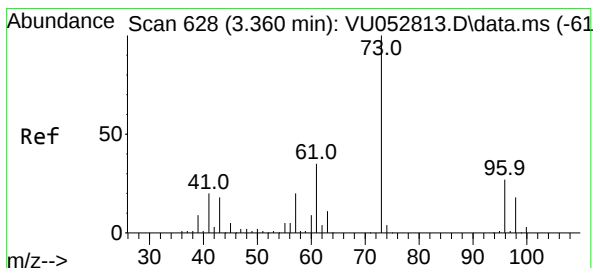
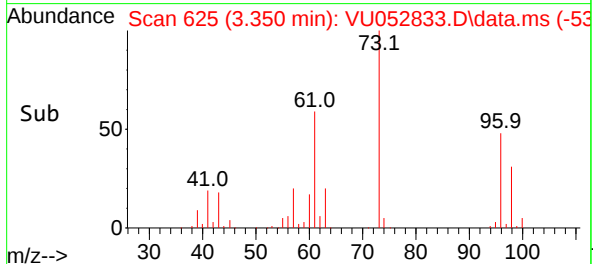
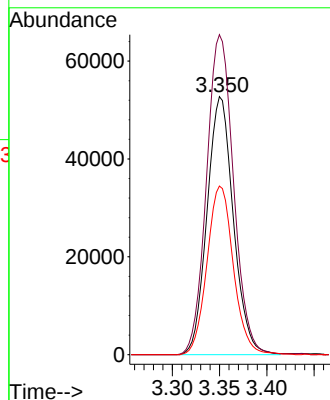
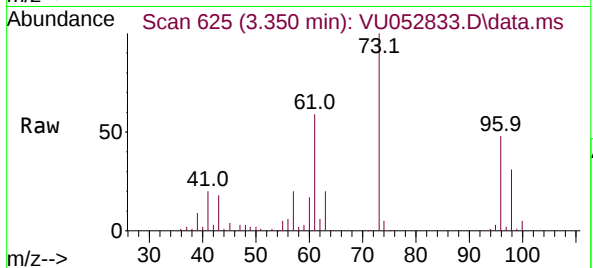




#17
trans-1,2-Dichloroethene
Concen: 48.758 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

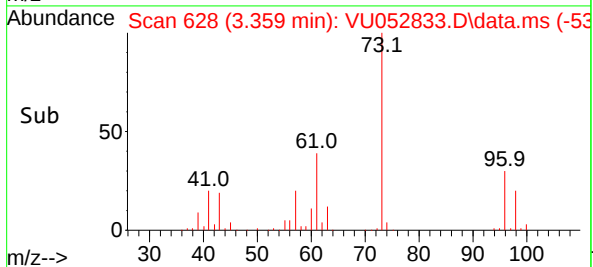
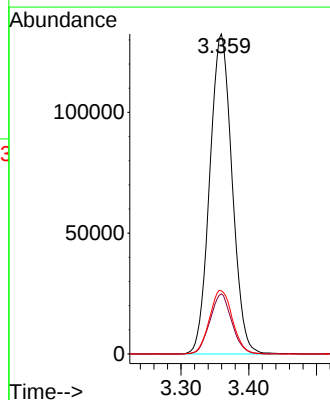
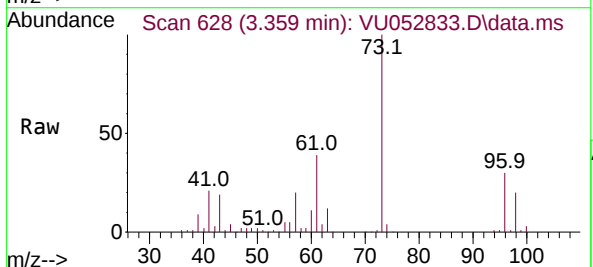
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

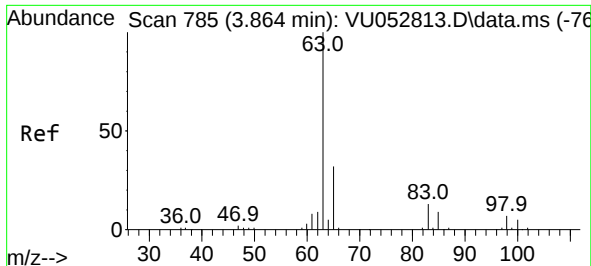
Tgt Ion: 96 Resp: 102263
Ion Ratio Lower Upper
96 100
61 124.0 92.7 172.3
98 65.3 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 49.146 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 73 Resp: 303092
Ion Ratio Lower Upper
73 100
43 18.4 14.2 21.2
57 20.4 16.3 24.5





#19

1,1-Dichloroethane

Concen: 48.269 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050143

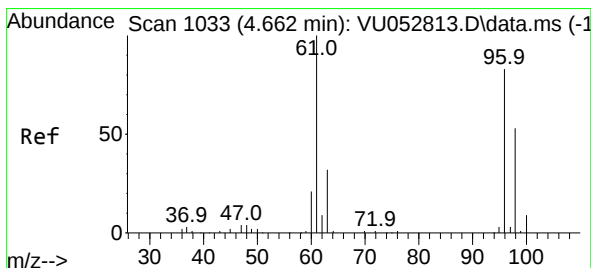
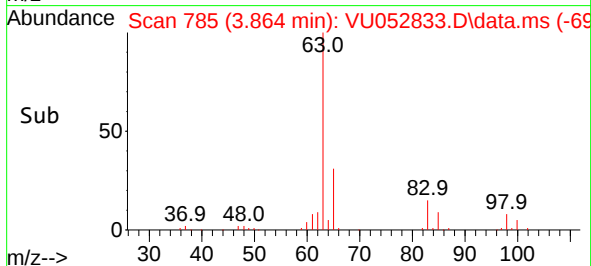
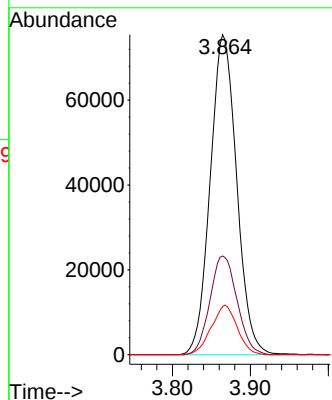
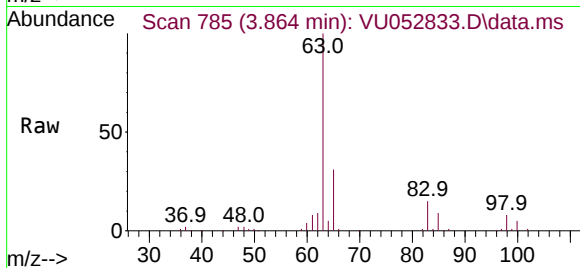
Tgt Ion: 63 Resp: 177550

Ion Ratio Lower Upper

63 100

65 30.8 22.4 41.6

83 15.1 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 49.157 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

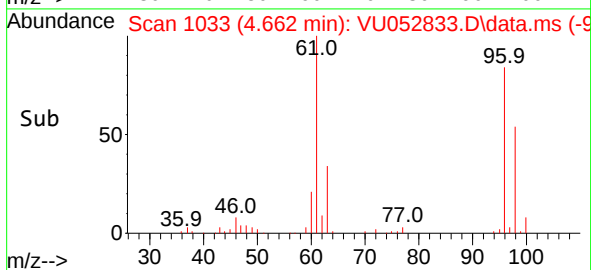
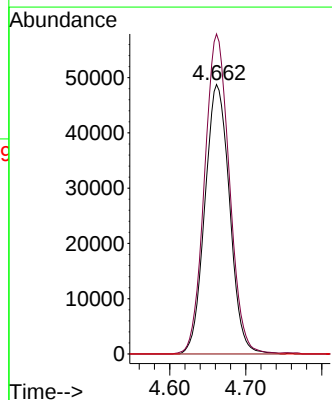
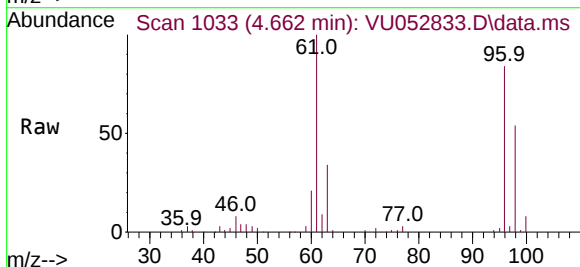
Tgt Ion: 96 Resp: 110078

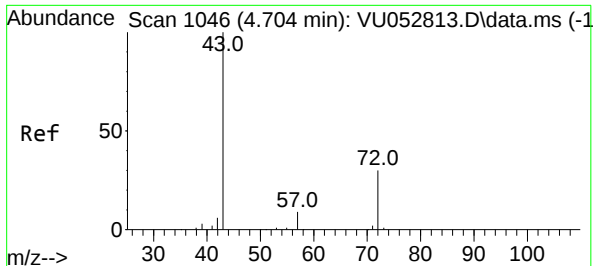
Ion Ratio Lower Upper

96 100

61 118.8 84.1 156.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.747 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.007 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

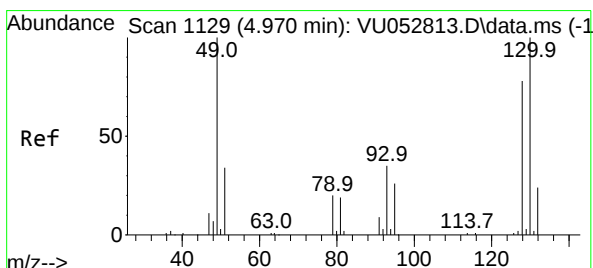
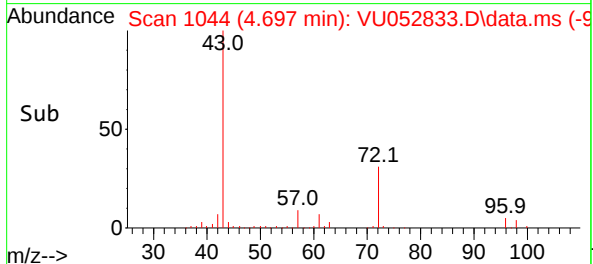
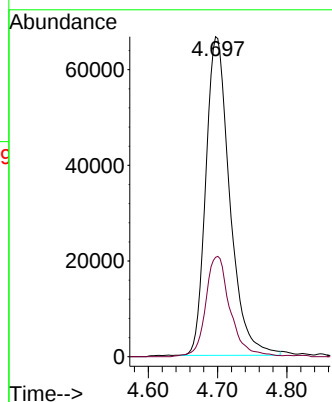
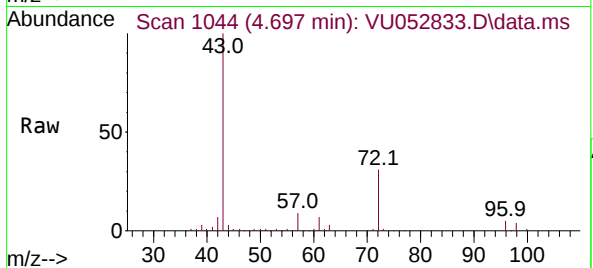
VSTD050143

Tgt Ion: 43 Resp: 159510

Ion Ratio Lower Upper

43 100

72 32.3 15.5 46.5



#23

Bromochloromethane

Concen: 49.742 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Tgt Ion:128 Resp: 62550

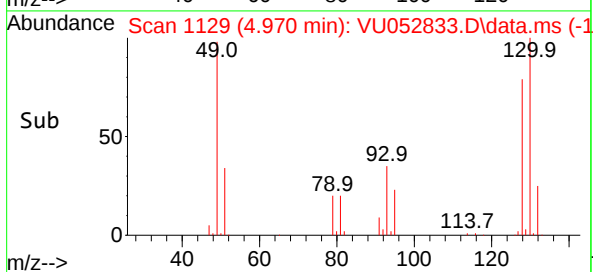
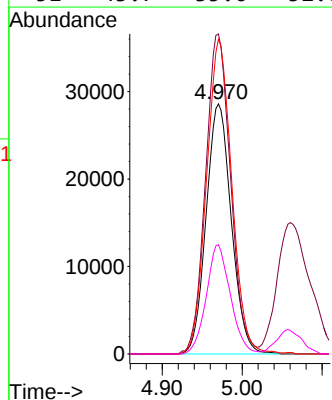
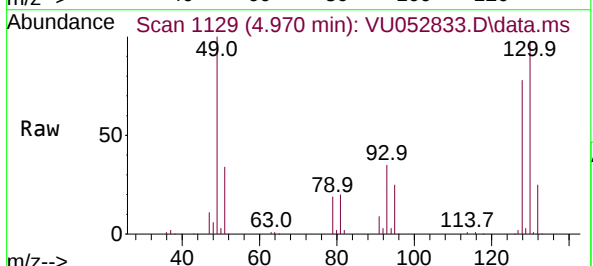
Ion Ratio Lower Upper

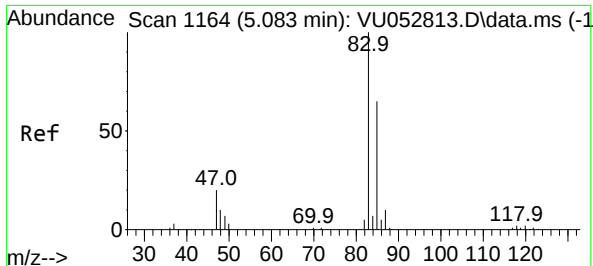
128 100

49 127.9 90.1 167.3

130 125.8 90.1 167.3

51 43.7 35.0 52.6





#25

Chloroform

Concen: 49.170 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

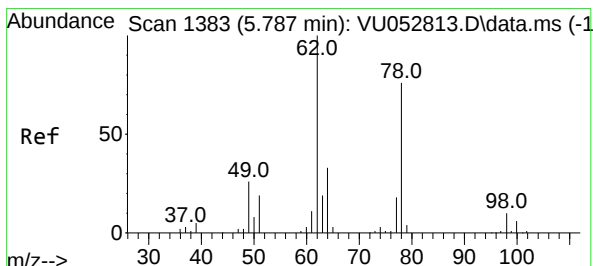
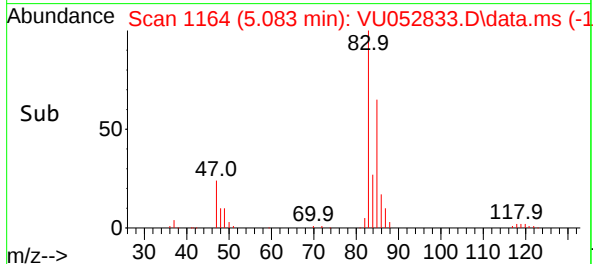
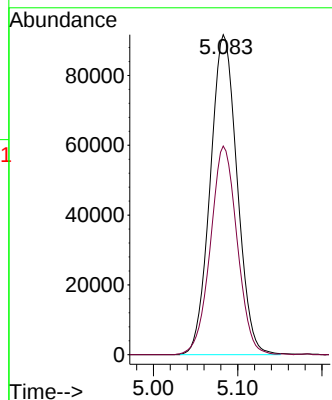
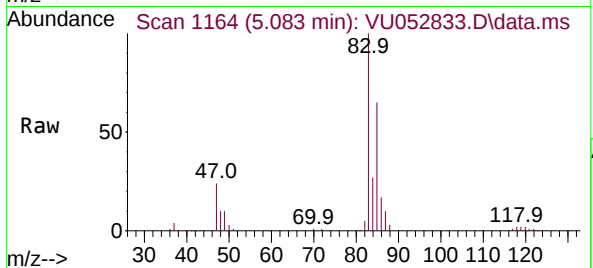
VSTD050143

Tgt Ion: 83 Resp: 203040

Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.0



#27

1,2-Dichloroethane

Concen: 49.348 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU052833.D

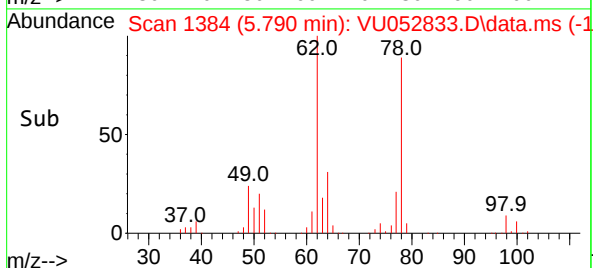
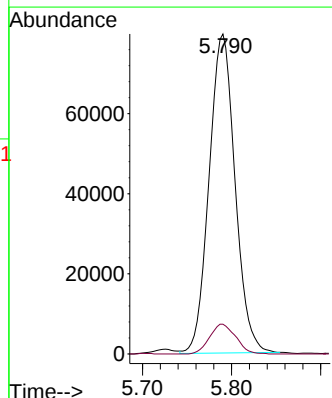
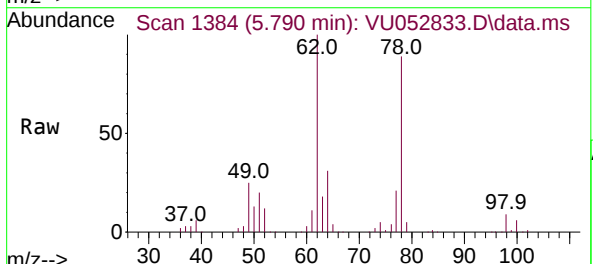
Acq: 27 Jan 2023 09:29

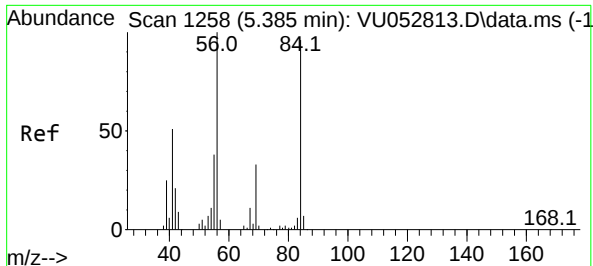
Tgt Ion: 62 Resp: 161319

Ion Ratio Lower Upper

62 100

98 9.3 7.6 11.4





#29

Cyclohexane

Concen: 49.447 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050143

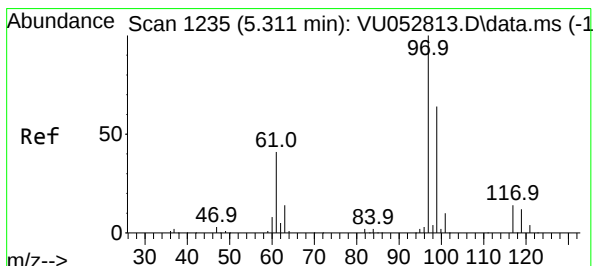
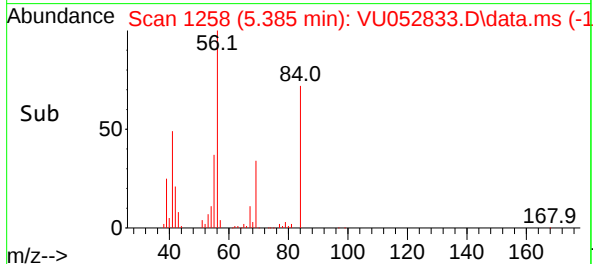
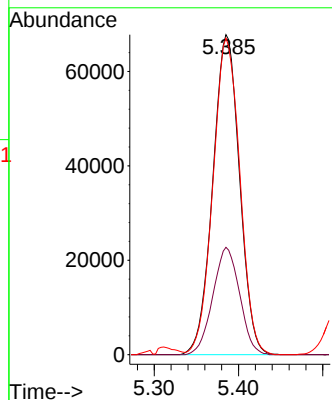
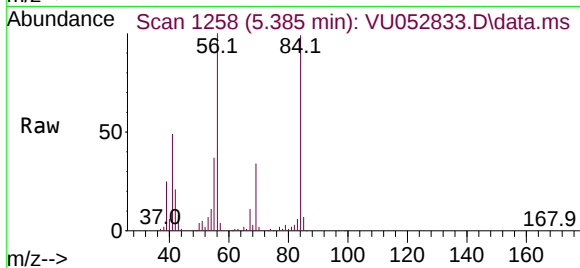
Tgt Ion: 56 Resp: 149336

Ion Ratio Lower Upper

56 100

69 33.5 26.6 40.0

84 99.5 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 49.353 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

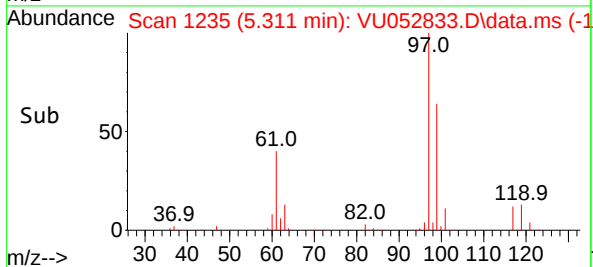
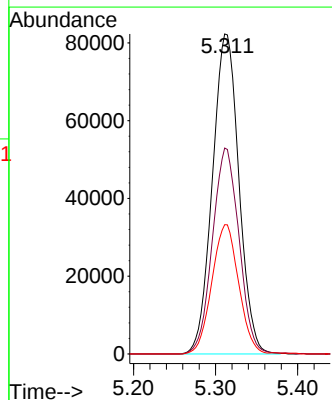
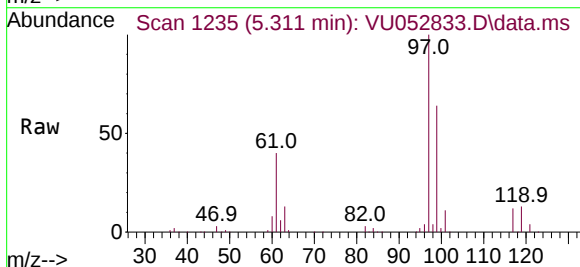
Tgt Ion: 97 Resp: 185016

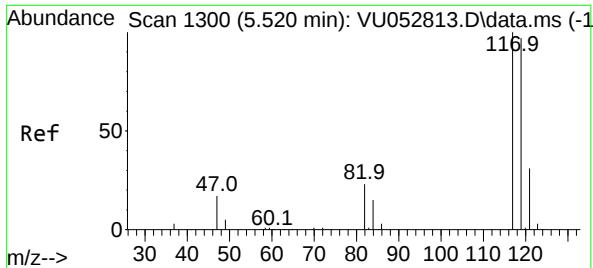
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 40.9 33.0 49.6

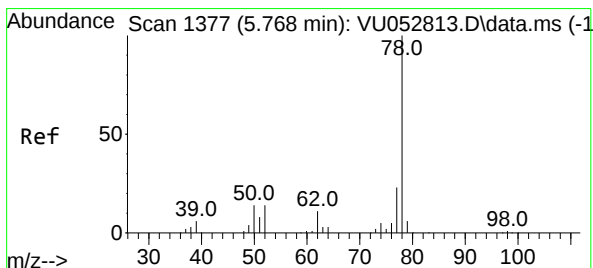
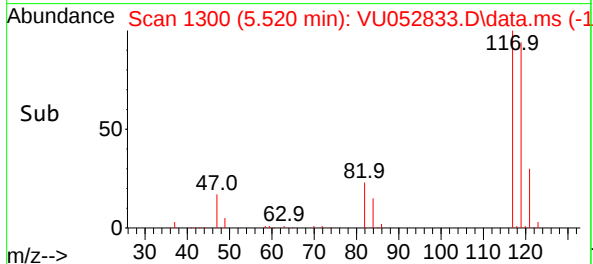
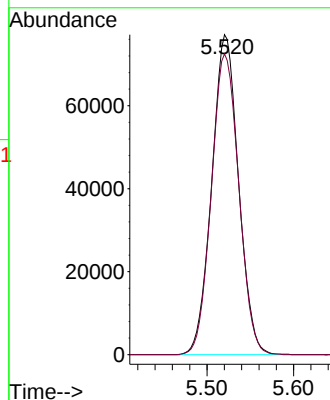
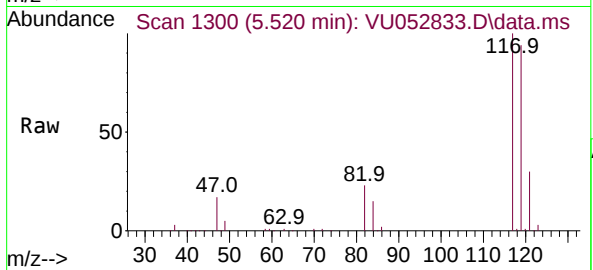




#31
Carbon tetrachloride
Concen: 50.995 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

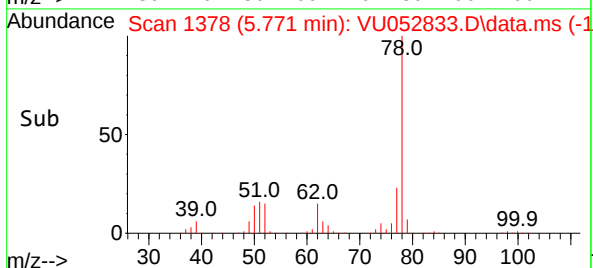
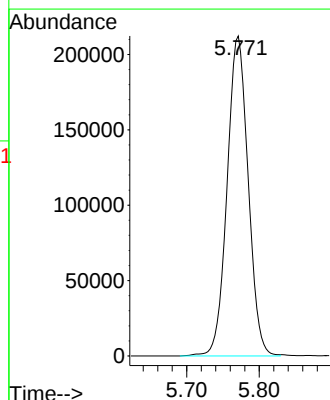
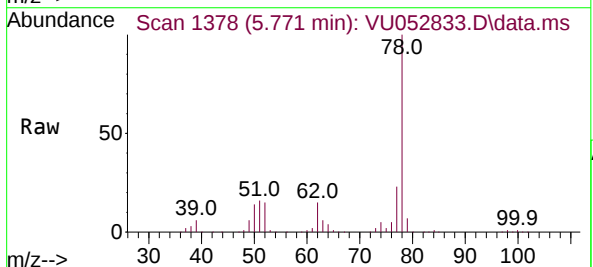
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

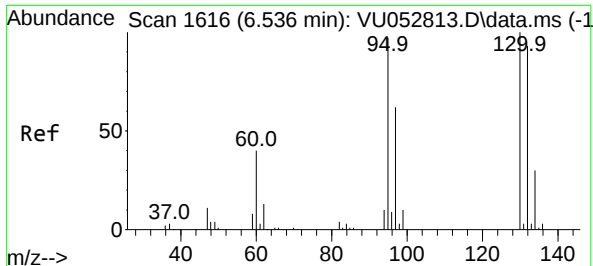
Tgt Ion:117 Resp: 165717
Ion Ratio Lower Upper
117 100
119 96.1 76.2 114.4



#33
Benzene
Concen: 49.356 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 78 Resp: 428188

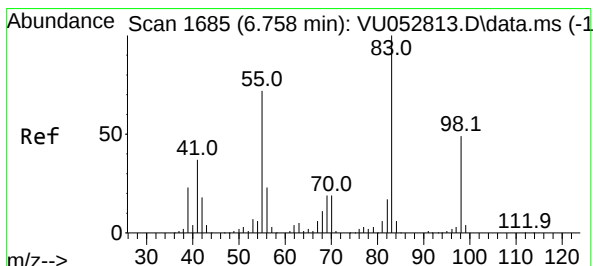
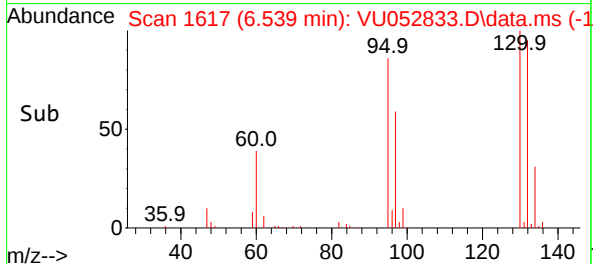
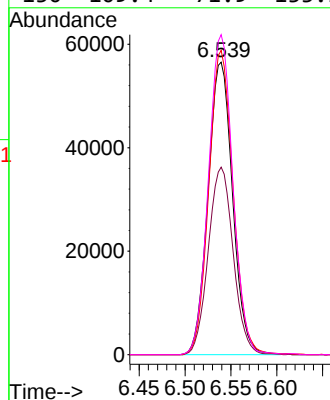
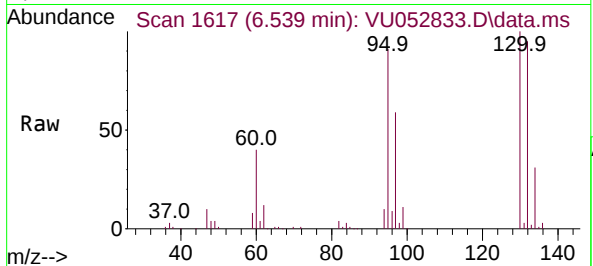




#34
Trichloroethene
Concen: 47.790 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

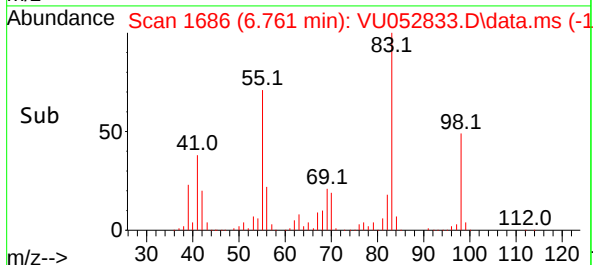
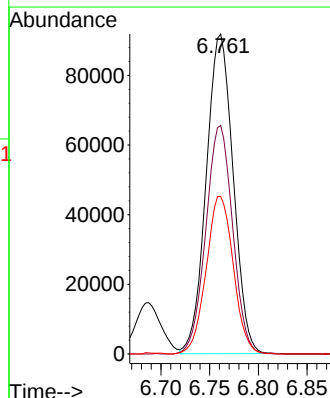
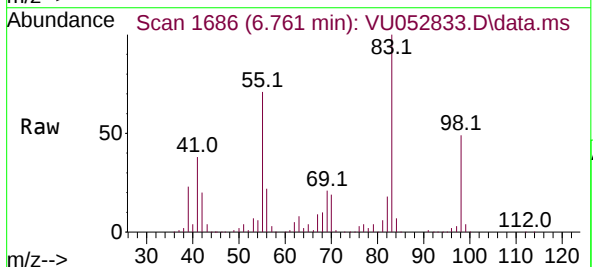
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

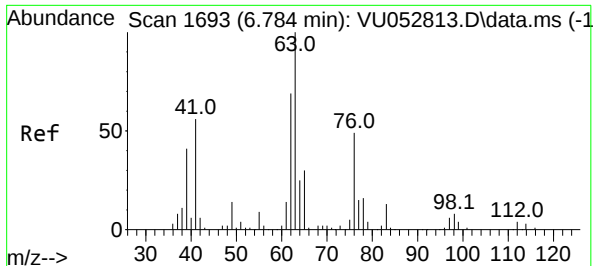
Tgt Ion: 95 Resp: 105379
Ion Ratio Lower Upper
95 100
97 64.1 44.5 82.7
132 104.0 66.8 124.0
130 109.4 71.9 133.5



#35
Methylcyclohexane
Concen: 50.686 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 83 Resp: 176895
Ion Ratio Lower Upper
83 100
55 71.2 57.1 85.7
98 49.6 38.9 58.3

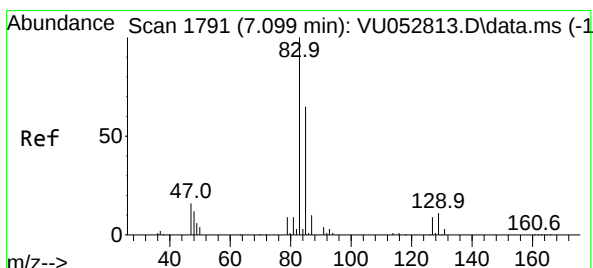
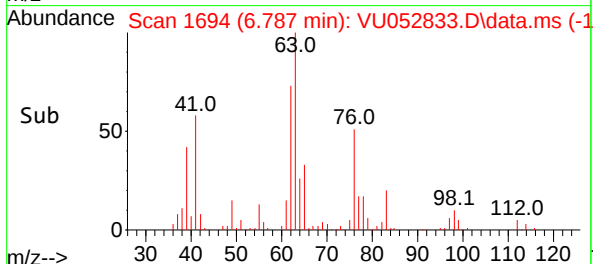
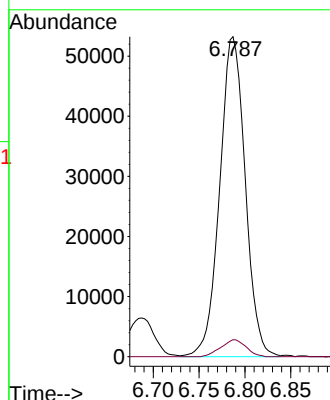
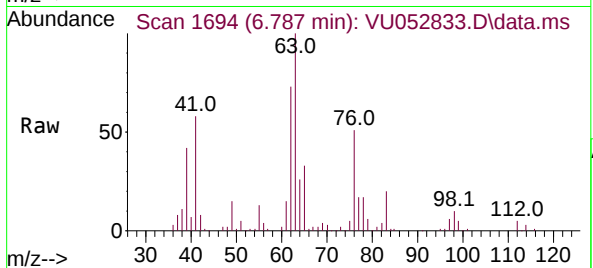




#37
1,2-Dichloropropane
Concen: 48.339 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

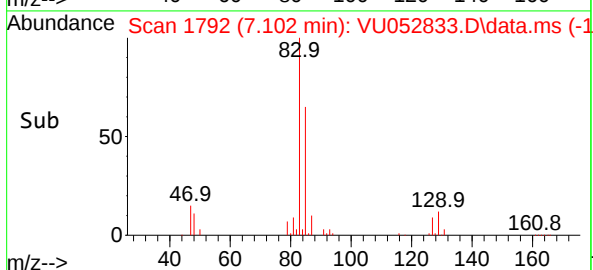
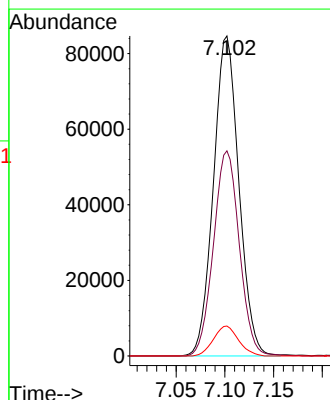
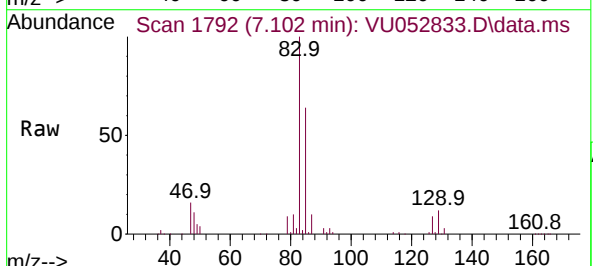
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

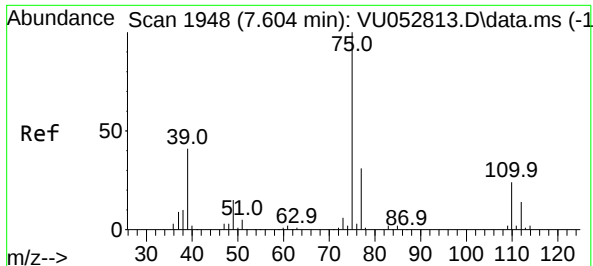
Tgt Ion: 63 Resp: 103102
Ion Ratio Lower Upper
63 100
112 5.2 3.8 5.8



#38
Bromodichloromethane
Concen: 49.150 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 83 Resp: 153835
Ion Ratio Lower Upper
83 100
85 64.1 45.2 84.0
127 9.3 7.4 11.0

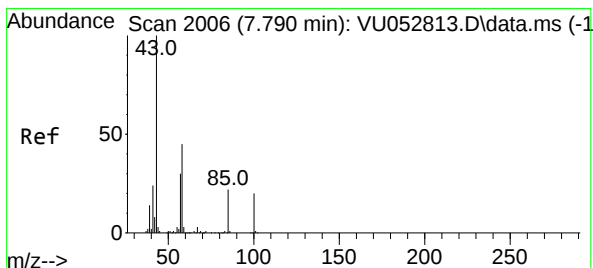
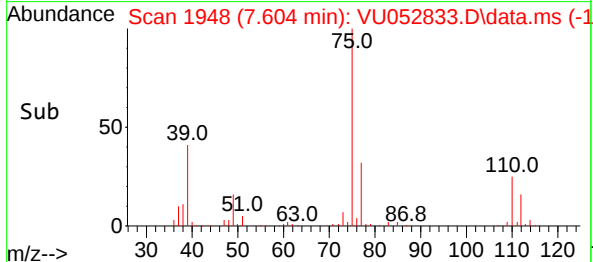
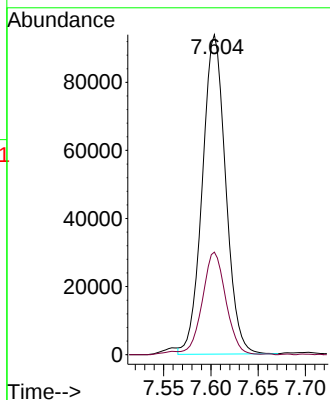
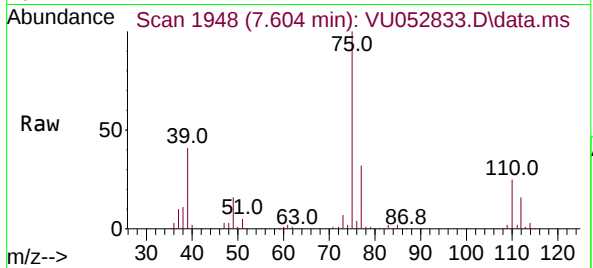




#39
 cis-1,3-Dichloropropene
 Concen: 48.168 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. -0.000 min
 Lab File: VU052833.D
 Acq: 27 Jan 2023 09:29

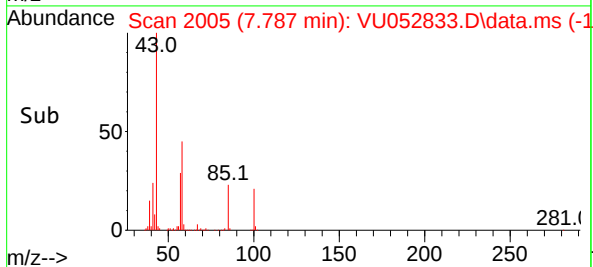
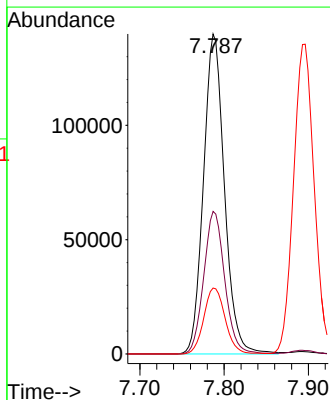
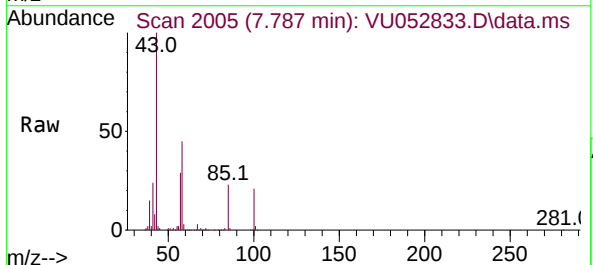
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050143

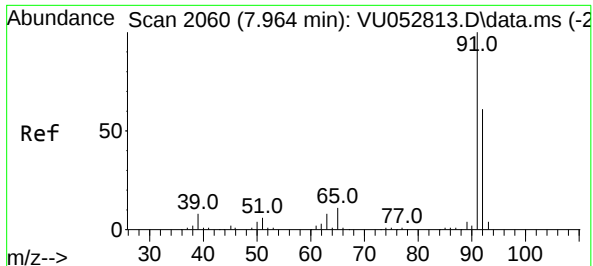
Tgt Ion: 75 Resp: 160935
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 96.625 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. -0.003 min
 Lab File: VU052833.D
 Acq: 27 Jan 2023 09:29

Tgt Ion: 43 Resp: 242802
 Ion Ratio Lower Upper
 43 100
 58 44.6 35.4 53.2
 100 20.9 16.0 24.0





#42

Toluene

Concen: 50.816 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

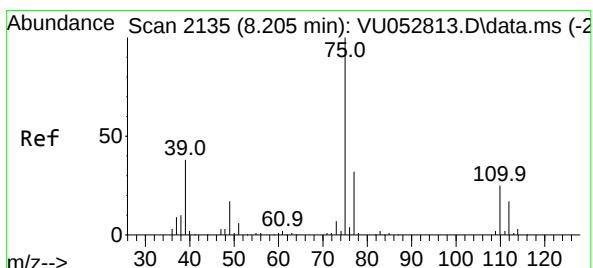
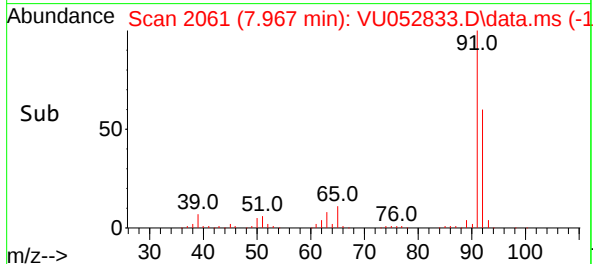
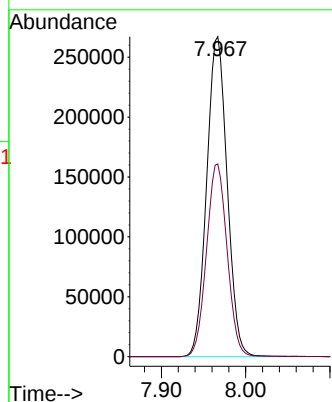
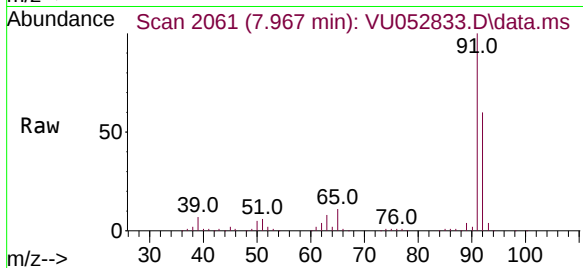
VSTD050143

Tgt Ion: 91 Resp: 451819

Ion Ratio Lower Upper

91 100

92 60.2 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 49.732 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052833.D

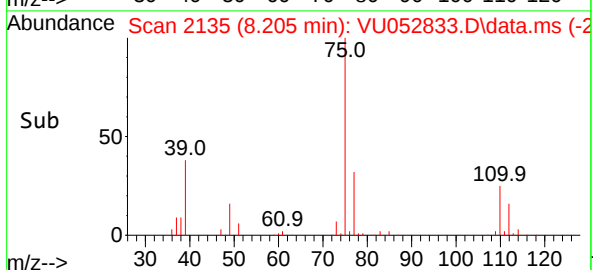
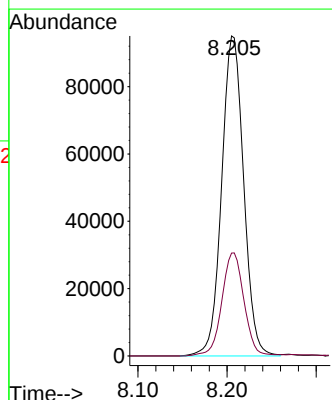
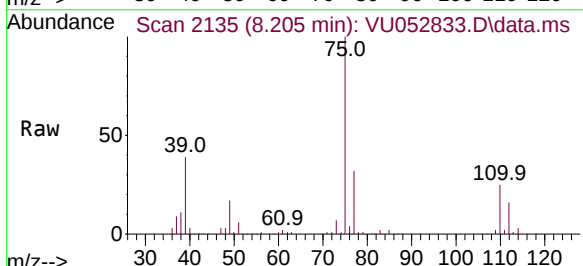
Acq: 27 Jan 2023 09:29

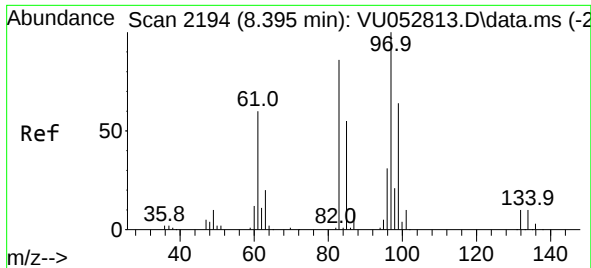
Tgt Ion: 75 Resp: 163293

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3



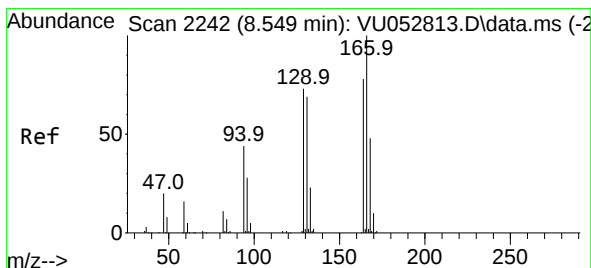
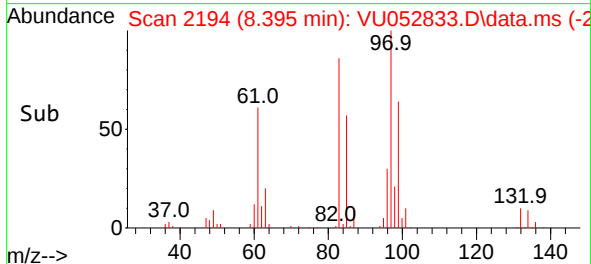
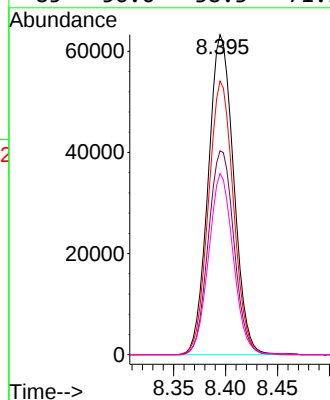
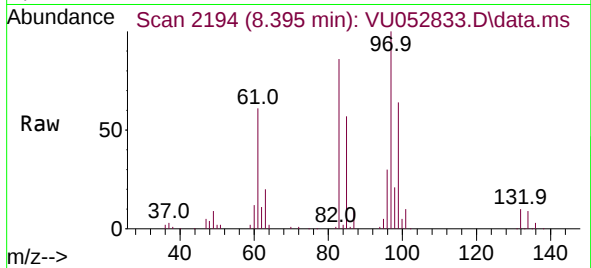


#45
1,1,2-Trichloroethane
Concen: 49.387 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

Tgt Ion: 97 Resp: 107719

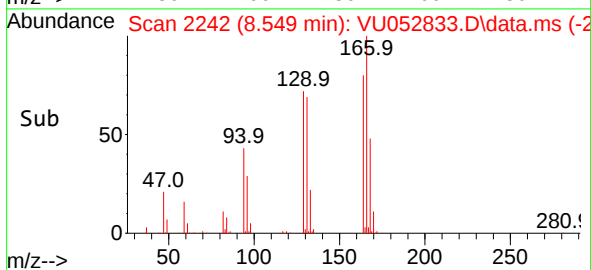
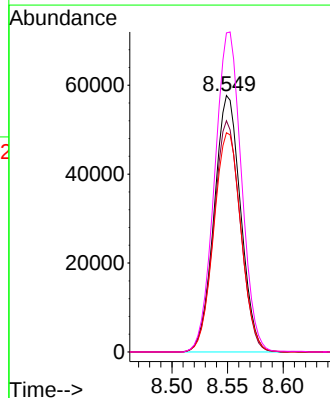
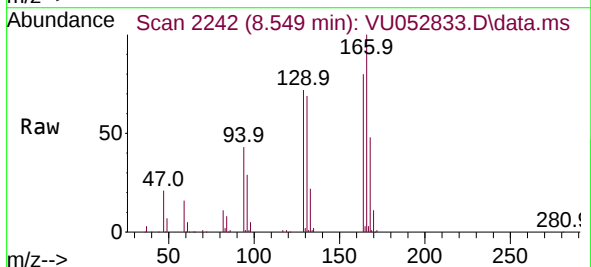
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.7	83.1
83	85.5	60.3	112.1
85	56.6	38.3	71.1

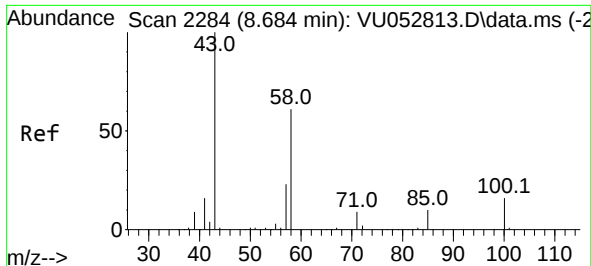


#46
Tetrachloroethene
Concen: 50.351 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 164 Resp: 95604

Ion	Ratio	Lower	Upper
164	100		
129	90.1	64.8	120.3
131	85.5	61.2	113.6
166	124.4	89.2	165.8



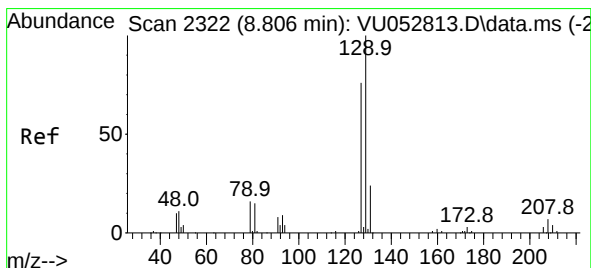
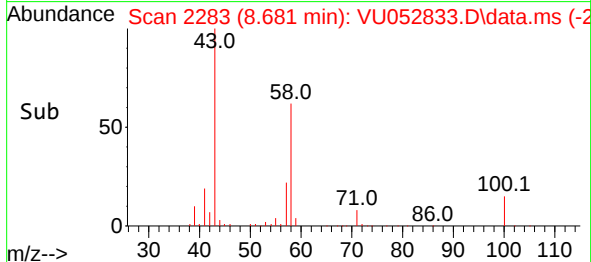
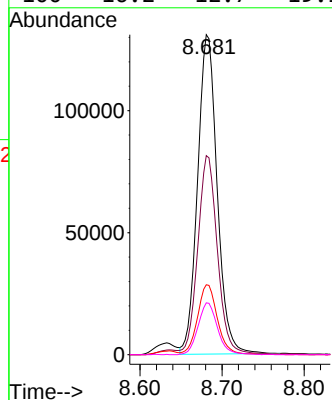
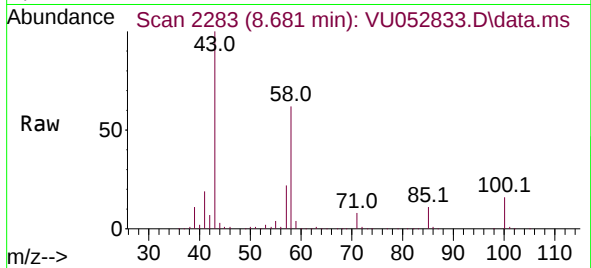


#48
2-Hexanone
Concen: 102.240 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

Tgt Ion: 43 Resp: 217342

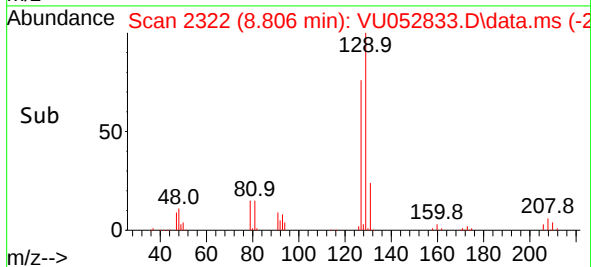
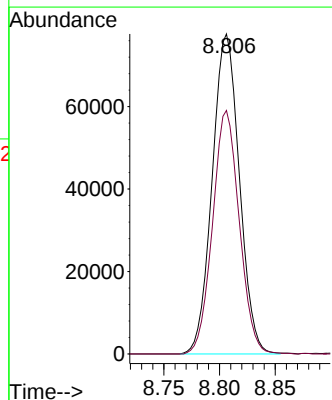
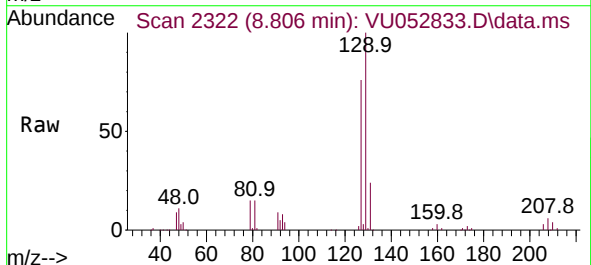
Ion	Ratio	Lower	Upper
43	100		
58	62.1	48.0	72.0
57	21.6	16.8	25.2
100	16.2	12.7	19.1

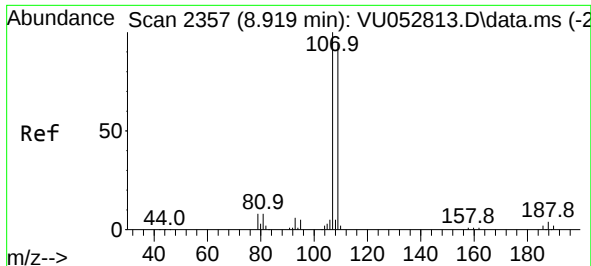


#49
Dibromochloromethane
Concen: 50.578 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 129 Resp: 131923

Ion	Ratio	Lower	Upper
129	100		
127	76.1	53.2	98.8

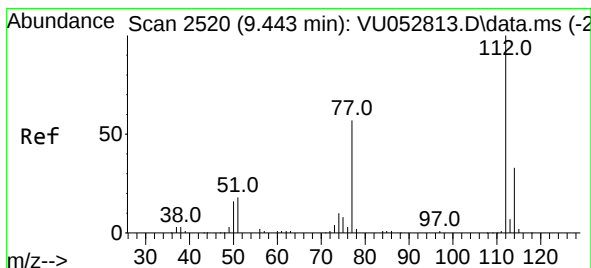
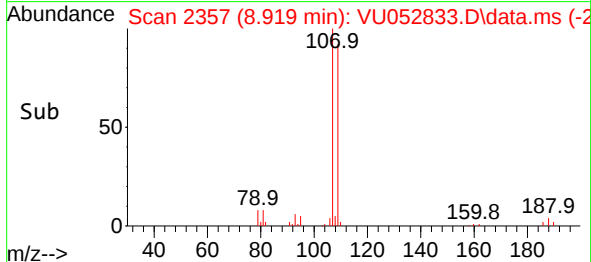
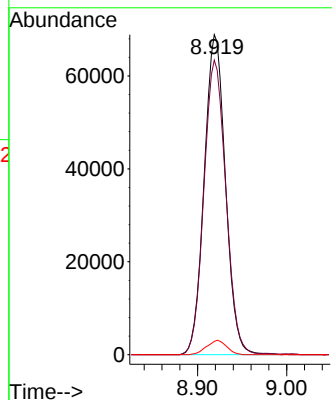
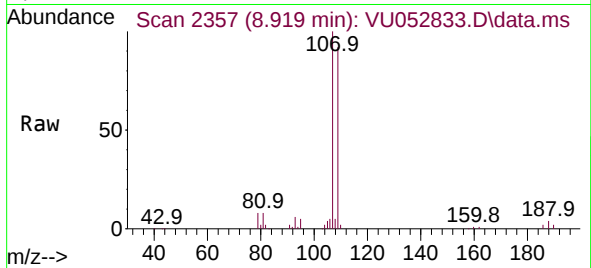




#50
1,2-Dibromoethane
Concen: 48.647 ug/L
RT: 8.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

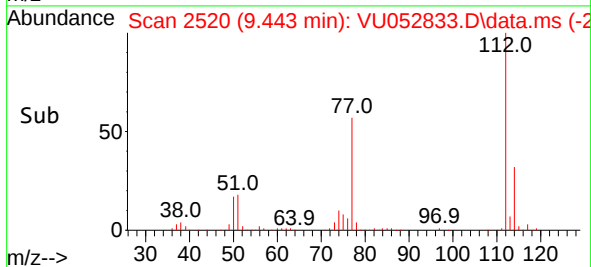
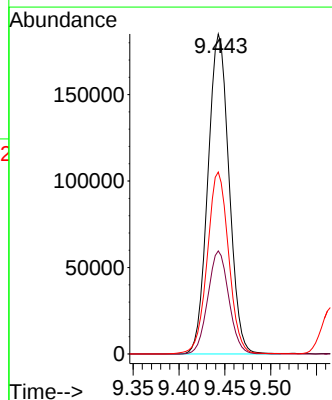
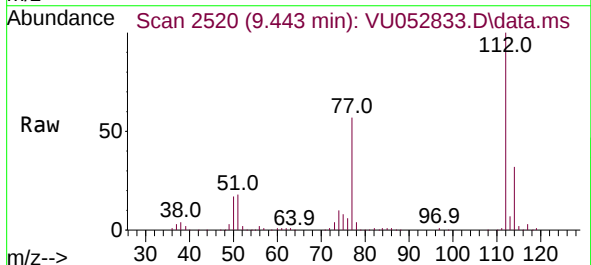
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

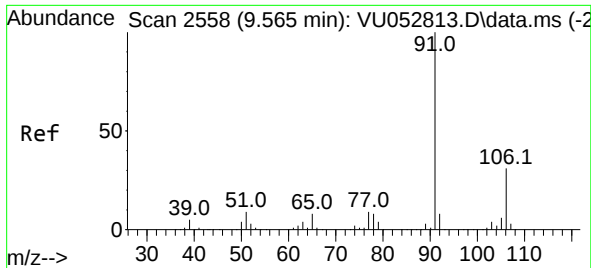
Tgt Ion:107 Resp: 114197
Ion Ratio Lower Upper
107 100
109 92.0 65.5 121.6
188 4.2 3.2 4.8



#51
Chlorobenzene
Concen: 48.500 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion:112 Resp: 296680
Ion Ratio Lower Upper
112 100
114 32.2 22.8 42.4
77 56.8 45.9 68.9

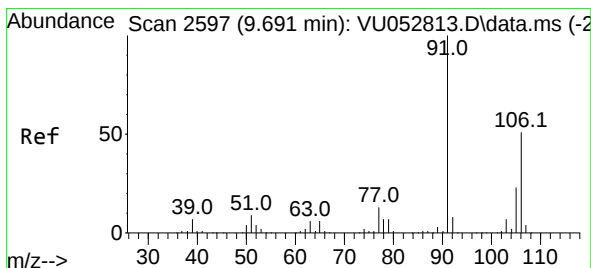
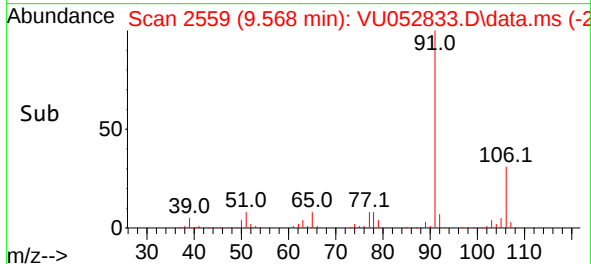
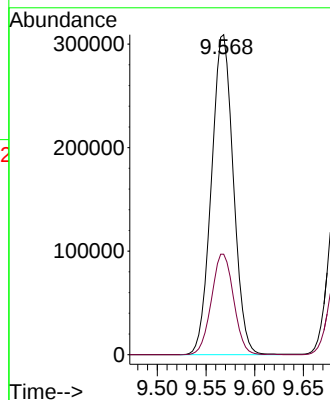
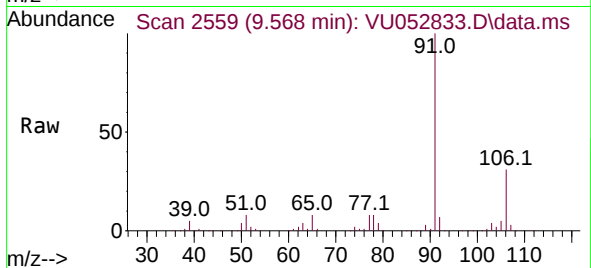




#52
Ethylbenzene
Concen: 50.862 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

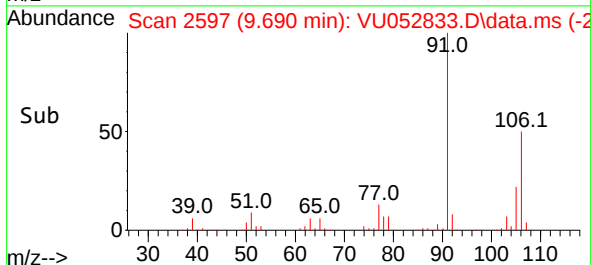
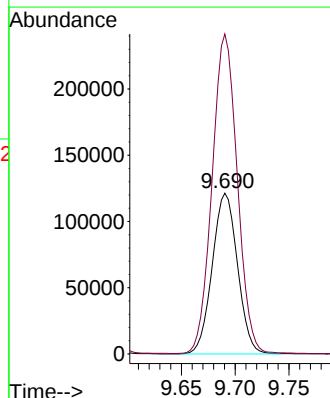
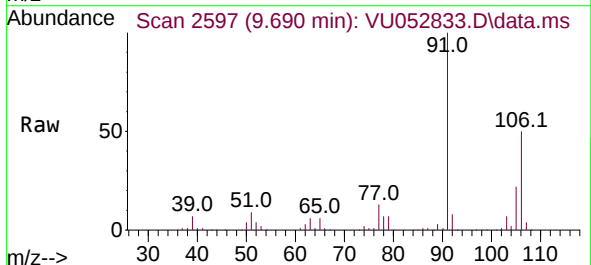
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

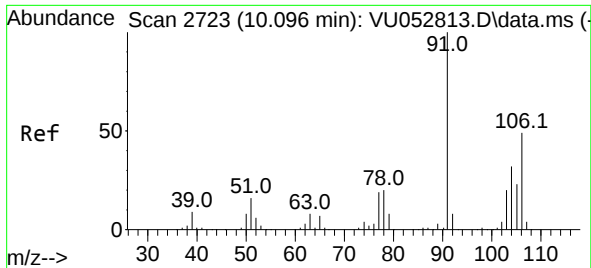
Tgt Ion: 91 Resp: 483289
Ion Ratio Lower Upper
91 100
106 31.4 22.0 40.8



#53
m,p-Xylene
Concen: 51.533 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion:106 Resp: 198231
Ion Ratio Lower Upper
106 100
91 199.1 137.4 255.2

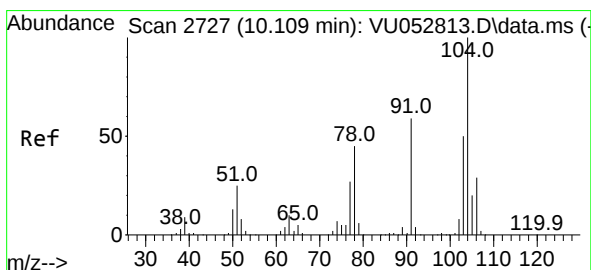
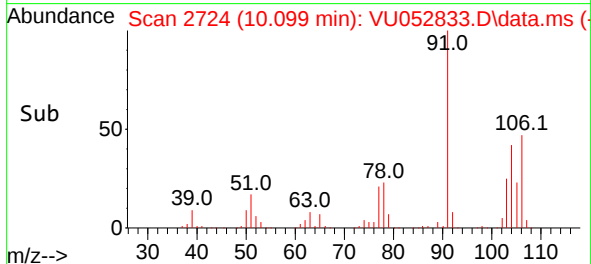
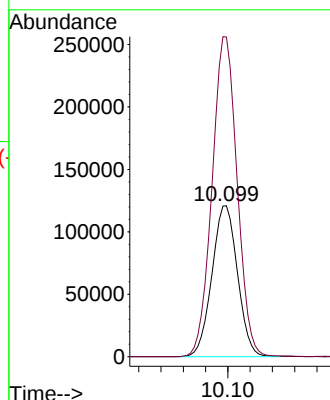
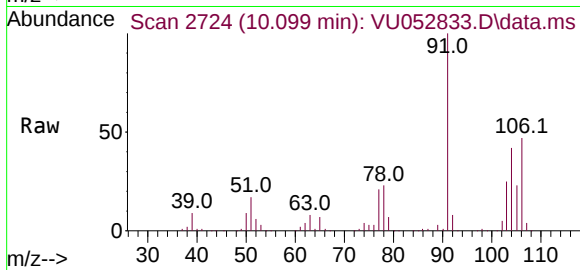




#54
o-xylene
Concen: 52.422 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

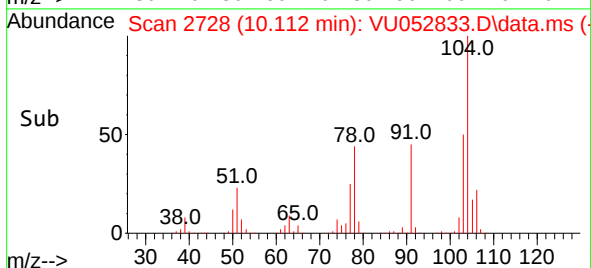
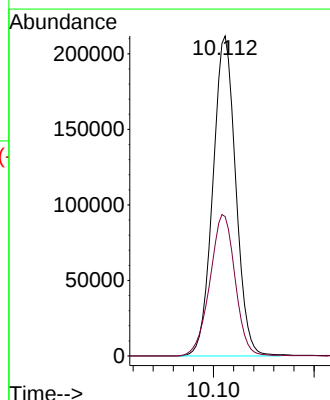
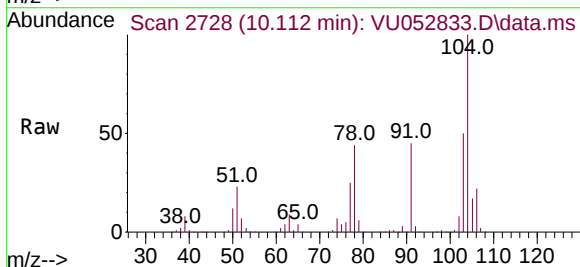
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

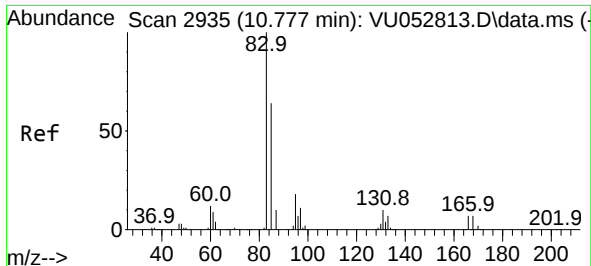
Tgt Ion:106 Resp: 192506
Ion Ratio Lower Upper
106 100
91 211.8 143.4 266.2



#55
Styrene
Concen: 53.109 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion:104 Resp: 334663
Ion Ratio Lower Upper
104 100
78 43.6 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 47.928 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050143

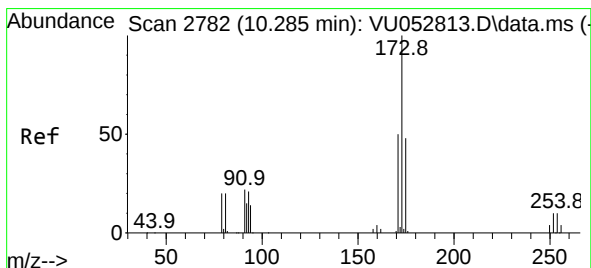
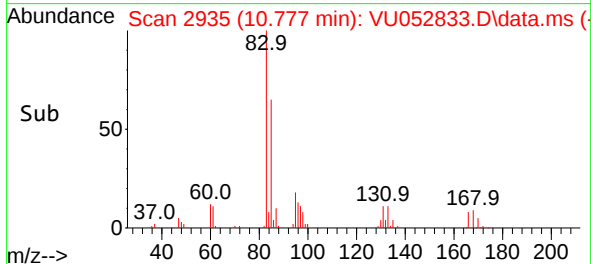
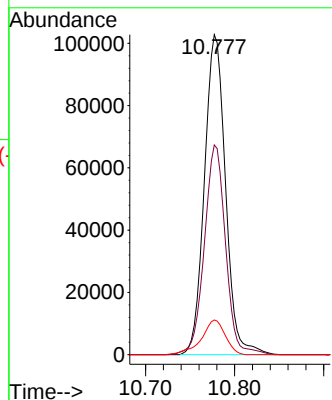
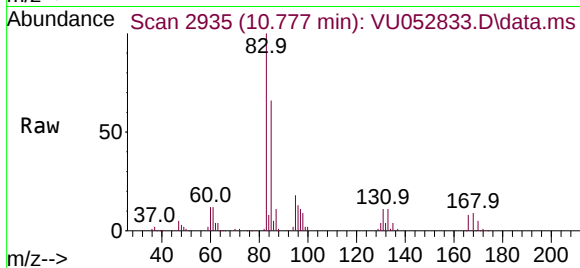
Tgt Ion: 83 Resp: 169178

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6

131 10.9 8.6 12.8



#59

Bromoform

Concen: 48.237 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

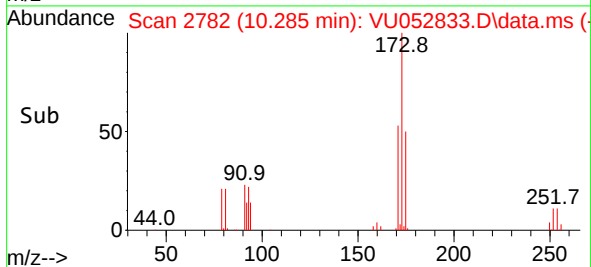
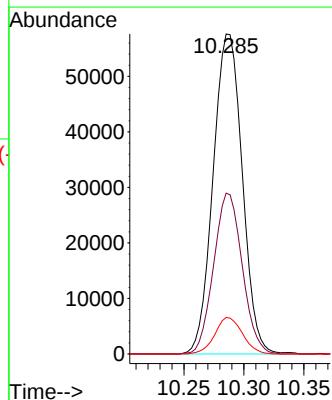
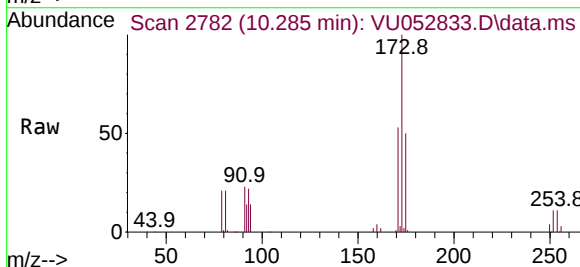
Tgt Ion:173 Resp: 97303

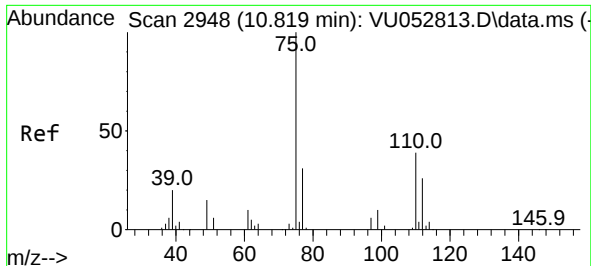
Ion Ratio Lower Upper

173 100

175 49.2 37.7 56.5

254 10.8 8.3 12.5

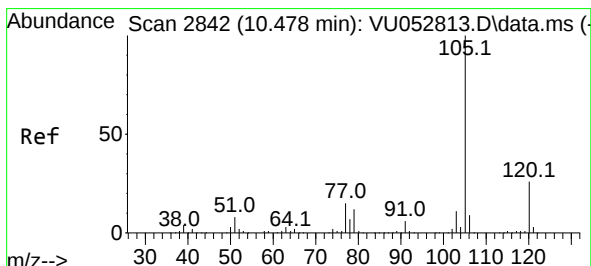
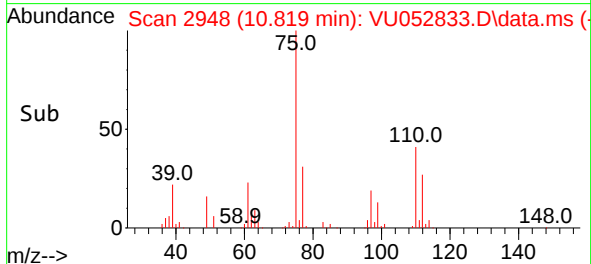
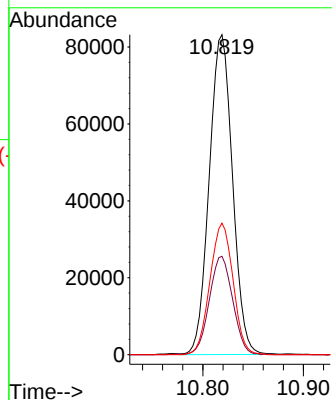
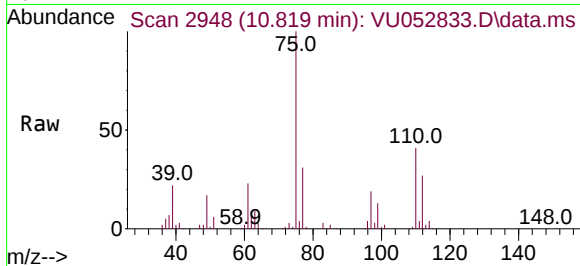




#60
1,2,3-Trichloropropane
Concen: 46.867 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

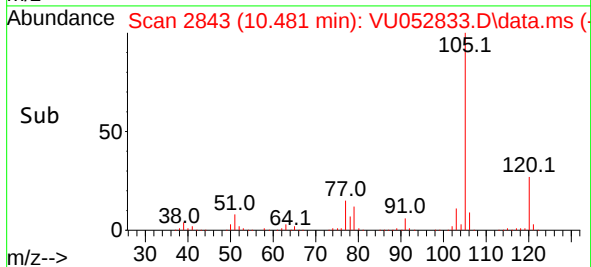
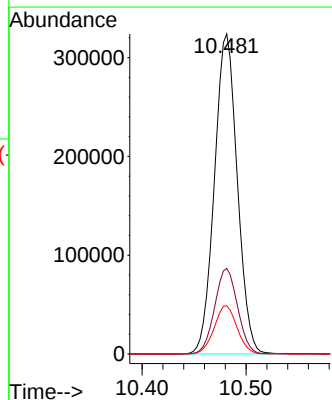
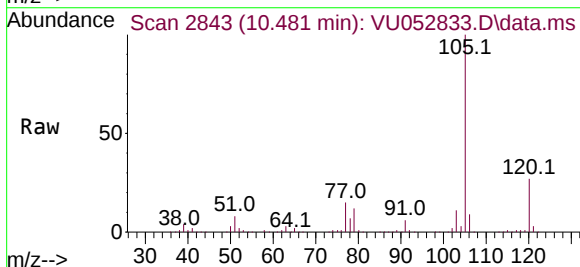
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

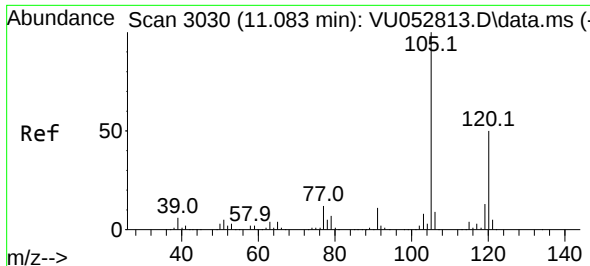
Tgt Ion: 75 Resp: 133825
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.8
110 40.9 32.4 48.6



#61
Isopropylbenzene
Concen: 52.049 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 105 Resp: 494836
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.2
77 15.1 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 52.563 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU052833.D

Acq: 27 Jan 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

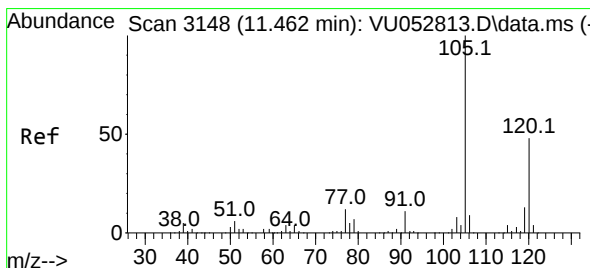
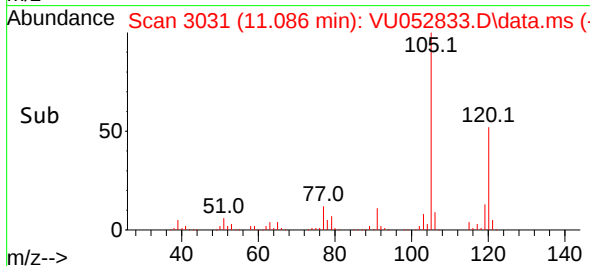
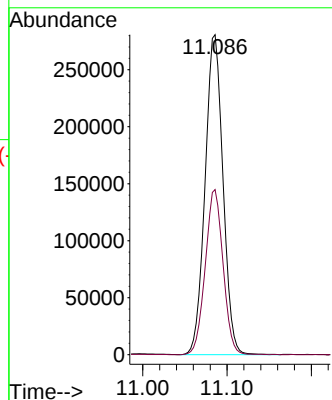
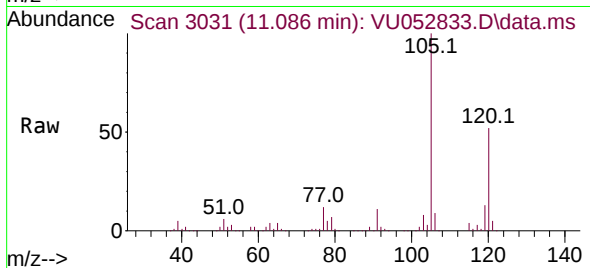
VSTD050143

Tgt Ion:105 Resp: 416092

Ion Ratio Lower Upper

105 100

120 51.2 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 54.005 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU052833.D

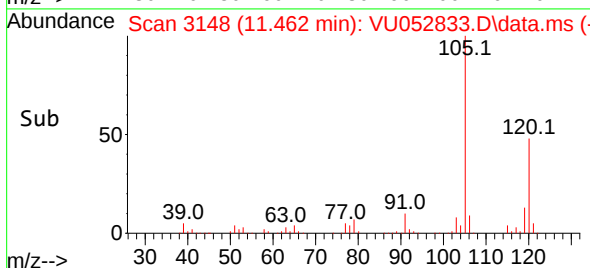
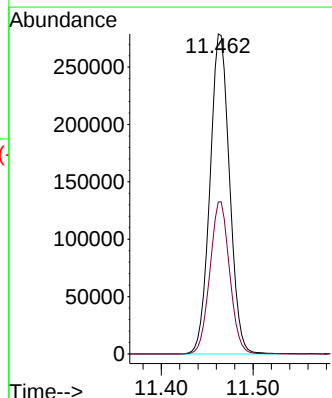
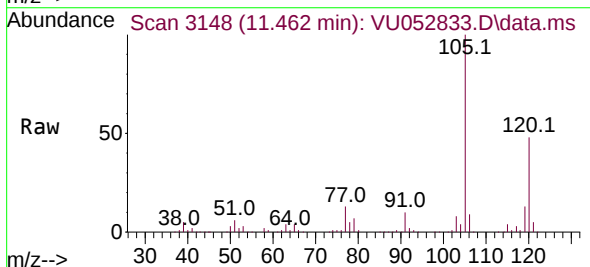
Acq: 27 Jan 2023 09:29

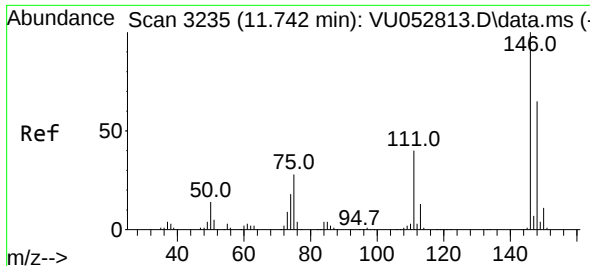
Tgt Ion:105 Resp: 413685

Ion Ratio Lower Upper

105 100

120 47.7 38.1 57.1

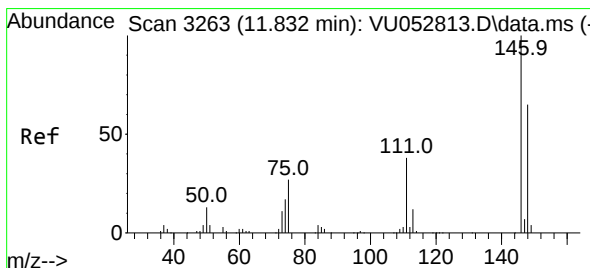
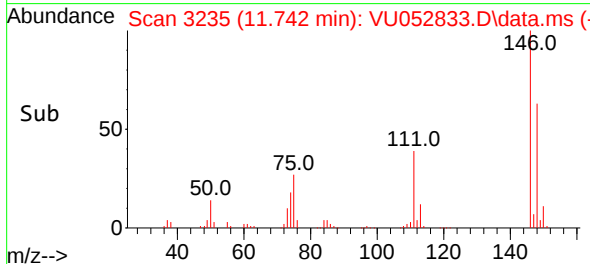
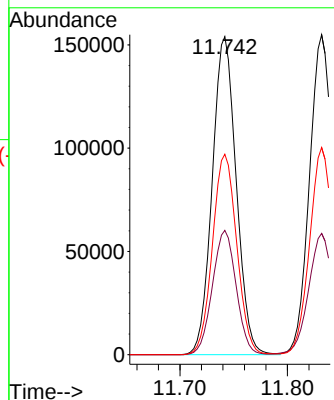
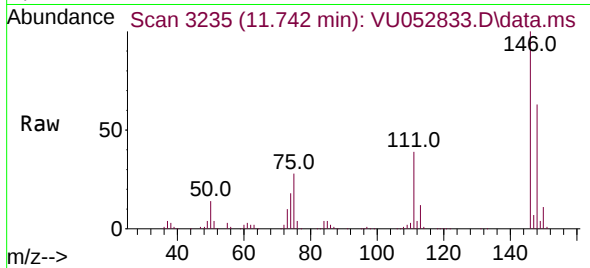




#64
1,3-Dichlorobenzene
Concen: 49.790 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

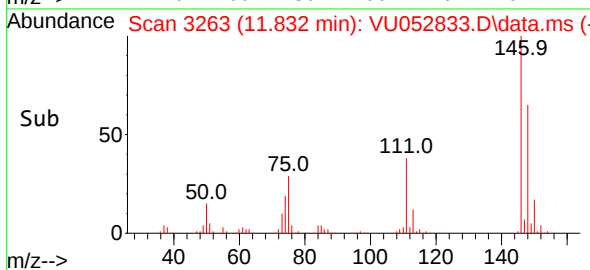
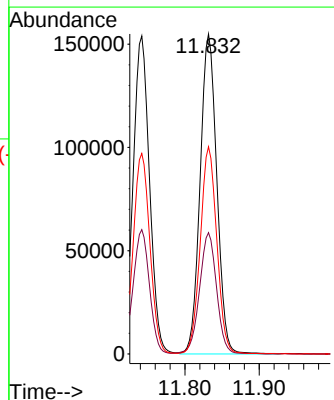
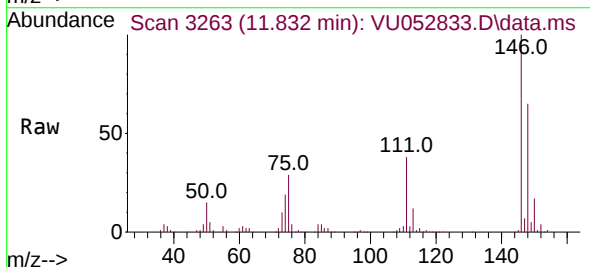
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

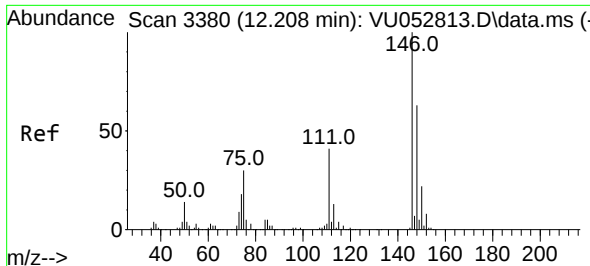
Tgt Ion:146 Resp: 238825
Ion Ratio Lower Upper
146 100
111 39.1 27.8 51.6
148 63.0 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 48.760 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion:146 Resp: 242127
Ion Ratio Lower Upper
146 100
111 37.9 26.7 49.7
148 64.7 45.6 84.6

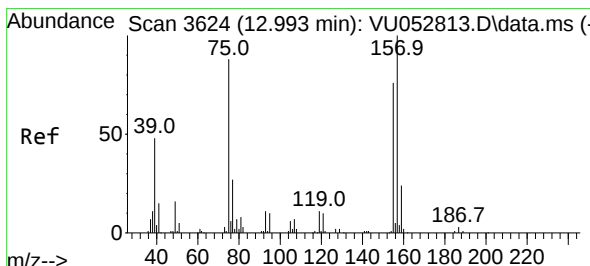
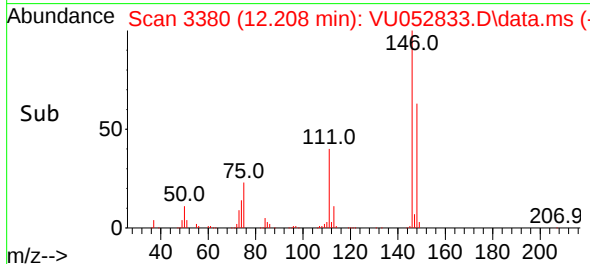
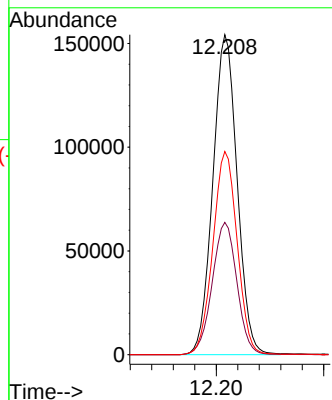
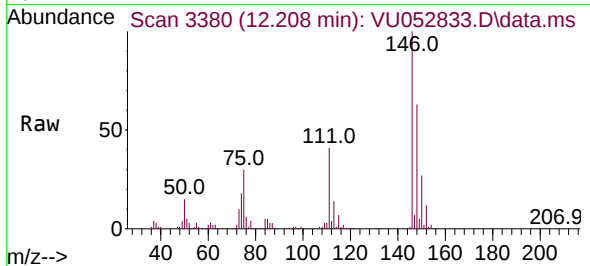




#67
1,2-Dichlorobenzene
Concen: 49.800 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

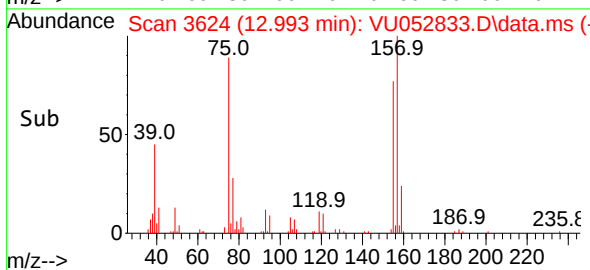
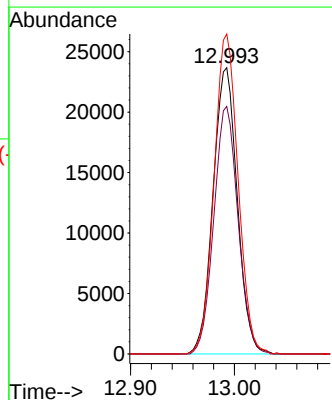
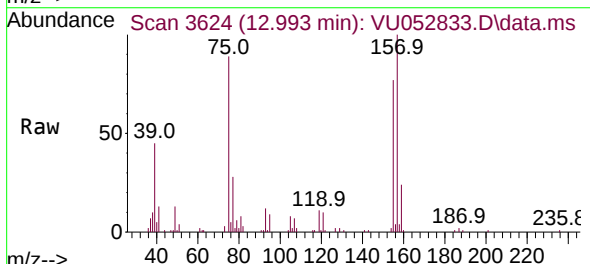
Instrument :
MSVOA_U
ClientSampleId :
VSTD050143

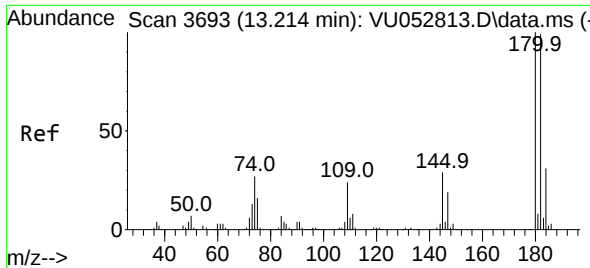
Tgt Ion:146 Resp: 241614
Ion Ratio Lower Upper
146 100
111 41.3 33.2 49.8
148 63.5 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 46.818 ug/L
RT: 12.993 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion: 75 Resp: 38319
Ion Ratio Lower Upper
75 100
155 86.5 69.2 103.8
157 111.8 91.2 136.8



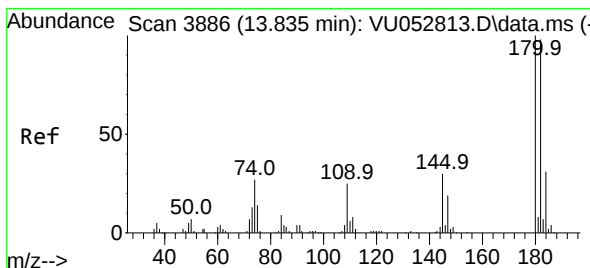
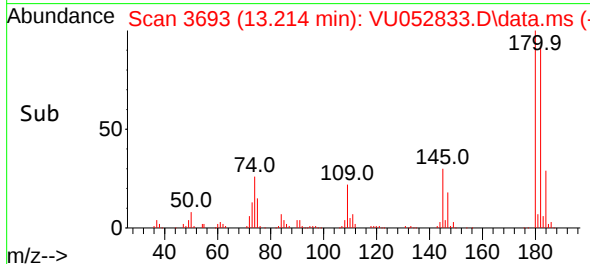
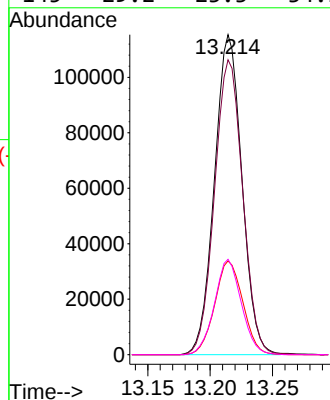
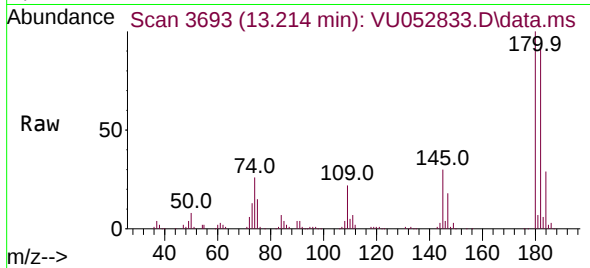


#69
 1,3,5-Trichlorobenzene
 Concen: 49.803 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052833.D
 Acq: 27 Jan 2023 09:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050143

Tgt Ion:180 Resp: 176851

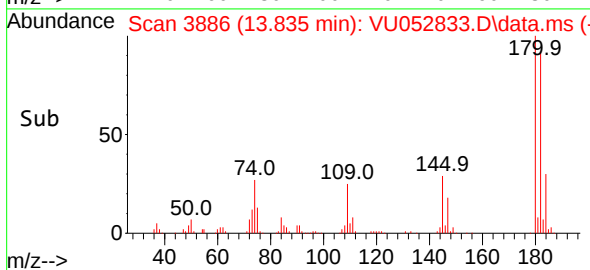
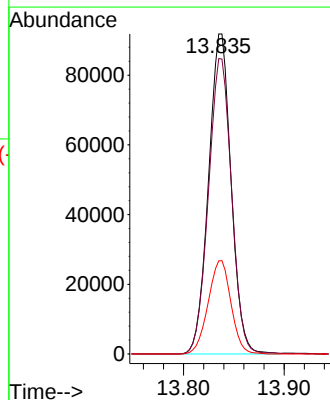
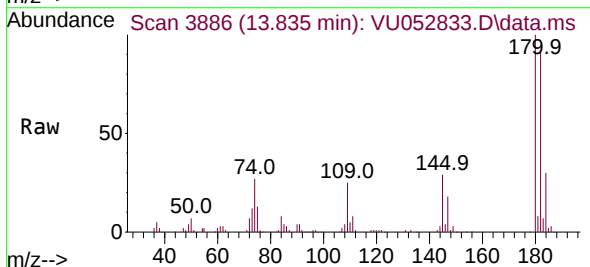
Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.0	115.6
184	30.0	24.4	36.6
145	29.2	23.3	34.9

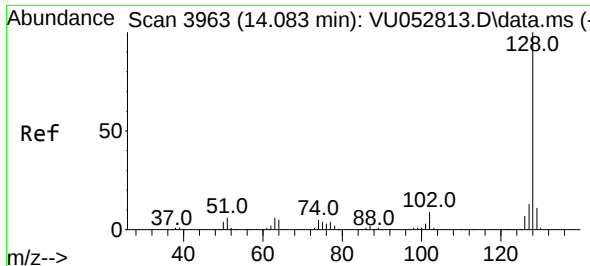


#70
 1,2,4-trichlorobenzene
 Concen: 48.041 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052833.D
 Acq: 27 Jan 2023 09:29

Tgt Ion:180 Resp: 143026

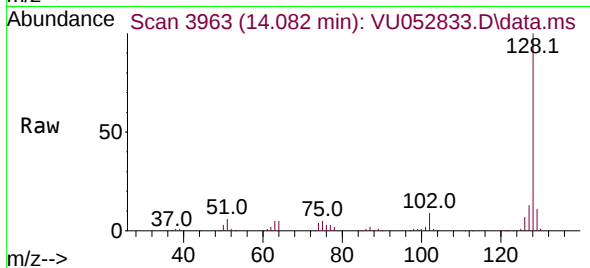
Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.2	117.2
145	29.5	23.4	35.2



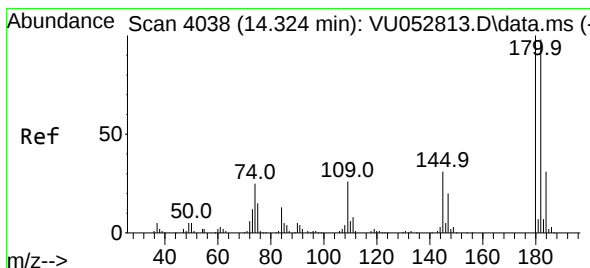
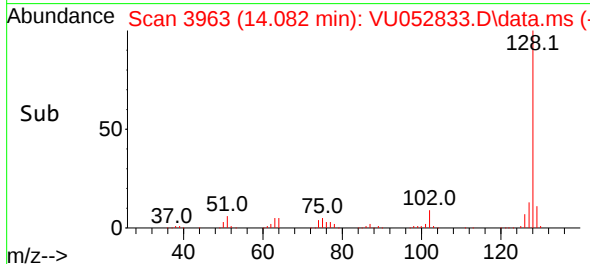
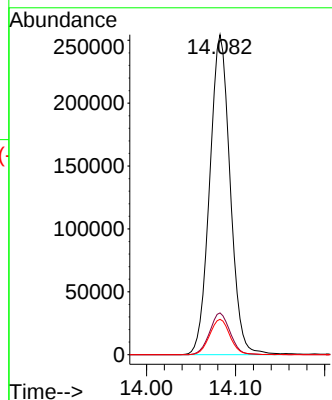


#71
Naphthalene
Concen: 47.466 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD050143



Tgt Ion:128 Resp: 406097
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 48.744 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU052833.D
Acq: 27 Jan 2023 09:29

Tgt Ion:180 Resp: 153363
Ion Ratio Lower Upper
180 100
182 95.9 77.5 116.3
145 31.2 24.2 36.4

