

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102522\
 Data File : VU051494.D
 Acq On : 25 Oct 2022 18:28
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050117

Quant Time: Oct 27 01:31:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 27 01:27:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	564469	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	553747	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	285510	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	170187	37.997	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.000%
7) Chloroethane-d5	1.890	69	144386	39.130	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.260%
11) 1,1-Dichloroethene-d2	2.562	63	310342	40.704	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.400%
21) 2-Butanone-d5	4.620	46	292888	92.766	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.770%
24) Chloroform-d	5.060	84	353703	42.995	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.980%
26) 1,2-Dichloroethane-d4	5.700	65	217401	42.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.020%
32) Benzene-d6	5.723	84	707549	47.183	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.360%
36) 1,2-Dichloropropane-d6	6.687	67	235758	47.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.740%
41) Toluene-d8	7.896	98	660057	48.290	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.580%
43) trans-1,3-Dichloroprop...	8.176	79	100894	48.117	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.240%
47) 2-Hexanone-d5	8.633	63	214971	99.389	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.390%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	394964	46.169	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	252889	47.316	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	202980	41.146	ug/L	99
3) Chloromethane	1.523	50	283785	45.007	ug/L	99
5) Vinyl chloride	1.601	62	274588	44.002	ug/L	99
6) Bromomethane	1.829	94	130391	40.201	ug/L	99
8) Chloroethane	1.913	64	163681	43.890	ug/L	98
9) Trichlorofluoromethane	2.125	101	297398	41.192	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	183948	41.685	ug/L	99
12) 1,1-Dichloroethene	2.572	96	185589	44.365	ug/L	94
13) Acetone	2.623	43	251203	69.824	ug/L	98
14) Carbon disulfide	2.787	76	575848	42.263	ug/L	99
15) Methyl Acetate	2.945	43	242273	44.529	ug/L	100
16) Methylene chloride	3.041	84	255268	46.488	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	198596	46.161	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	612663	49.799	ug/L	100
19) 1,1-Dichloroethane	3.864	63	390470	46.015	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	224297	47.786	ug/L	99
22) 2-Butanone	4.700	43	366387	87.750	ug/L	100
23) Bromochloromethane	4.970	128	124311	47.204	ug/L	97
25) Chloroform	5.086	83	398532	45.554	ug/L	98

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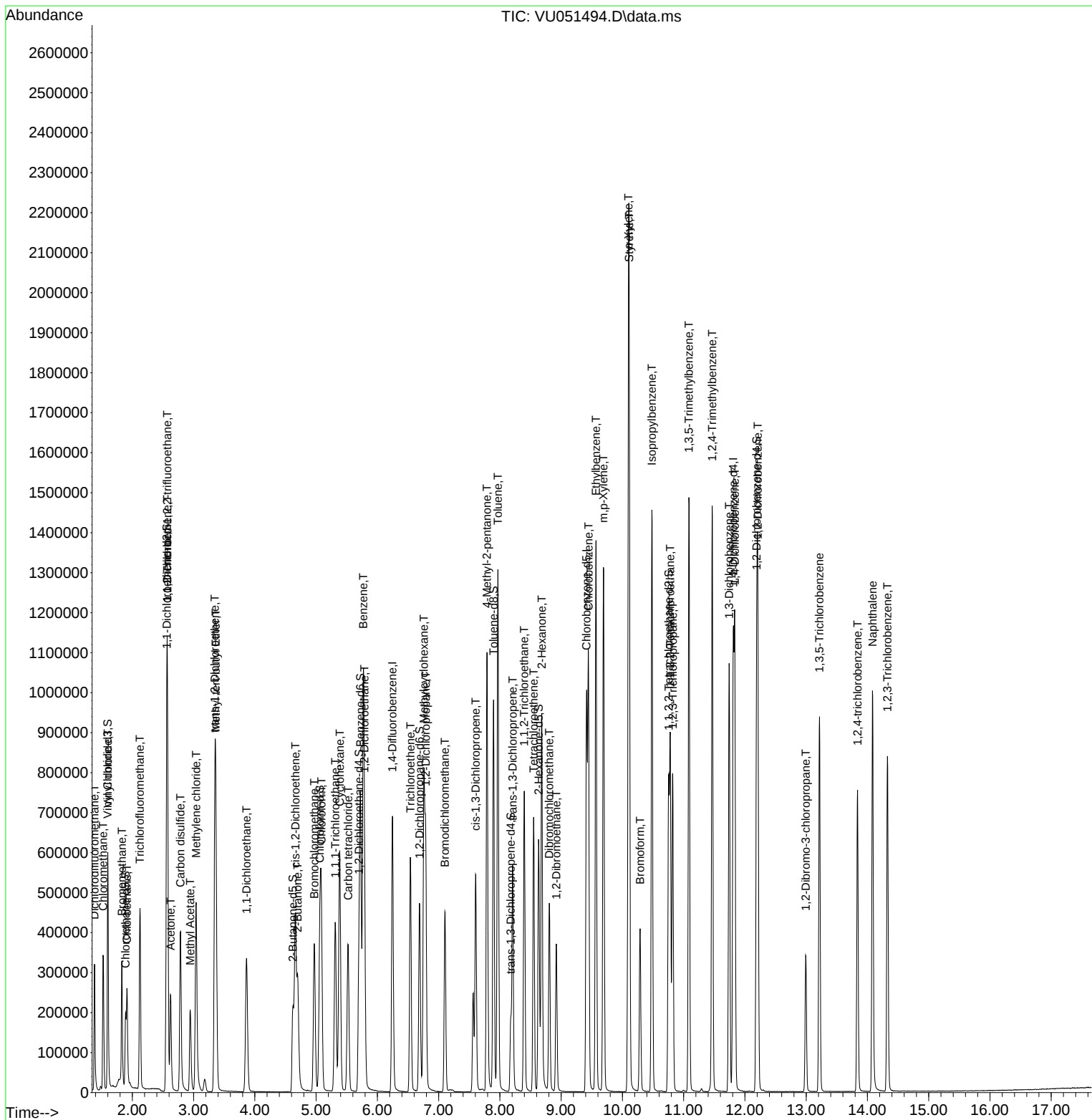
Instrument :
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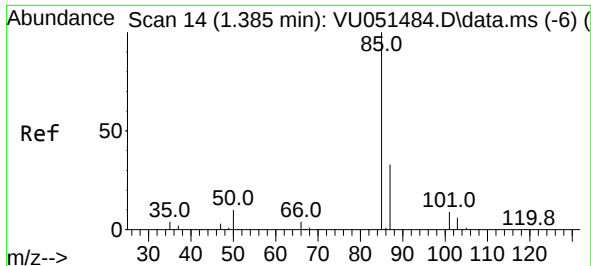
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	310735	45.743	ug/L	99
29) Cyclohexane	5.385	56	298613	51.327	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	307558	46.827	ug/L	99
31) Carbon tetrachloride	5.523	117	256253	46.209	ug/L	100
33) Benzene	5.771	78	913064	50.439	ug/L	100
34) Trichloroethene	6.539	95	210910	48.282	ug/L	98
35) Methylcyclohexane	6.761	83	302930	48.477	ug/L	100
37) 1,2-Dichloropropane	6.790	63	242783	48.905	ug/L	100
38) Bromodichloromethane	7.102	83	298640	47.256	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	332493	50.801	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	689553	103.956	ug/L	100
42) Toluene	7.967	91	960446	51.702	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	322007	50.555	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	239339	48.306	ug/L	98
46) Tetrachloroethene	8.552	164	156475	47.989	ug/L	100
48) 2-Hexanone	8.684	43	565085	99.695	ug/L	99
49) Dibromochloromethane	8.806	129	246320	48.572	ug/L	98
50) 1,2-Dibromoethane	8.922	107	248888	49.021	ug/L	98
51) Chlorobenzene	9.446	112	587050	48.258	ug/L	100
52) Ethylbenzene	9.568	91	950741	50.752	ug/L	99
53) m,p-Xylene	9.690	106	379916	52.615	ug/L	99
54) o-Xylene	10.099	106	383167	53.497	ug/L	97
55) Styrene	10.112	104	669119	53.761	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	443348	46.894	ug/L	100
59) Bromoform	10.288	173	187552	47.166	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	344643	46.580	ug/L	100
61) Isopropylbenzene	10.481	105	922910	51.474	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	797737	52.376	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	803372	53.568	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	443553	48.464	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	444681	47.245	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	462685	48.532	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	92415	46.277	ug/L	97
69) 1,3,5-Trichlorobenzene	13.218	180	289470	47.148	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	231962	49.073	ug/L	99
71) Naphthalene	14.082	128	816405	53.963	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	261227	51.483	ug/L	98

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

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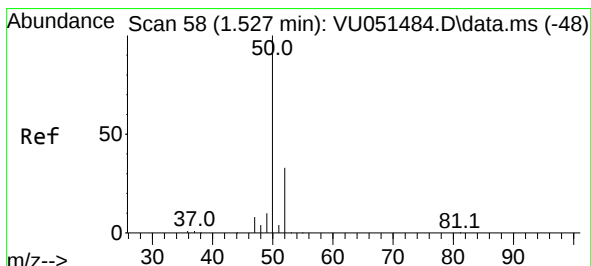
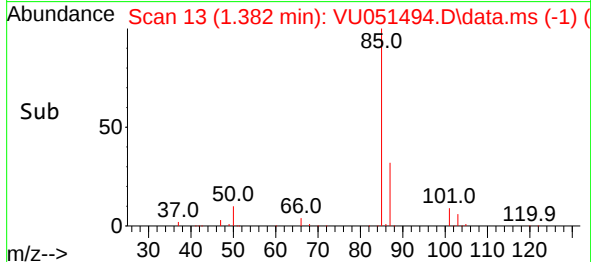
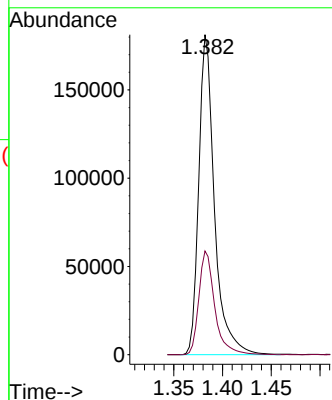
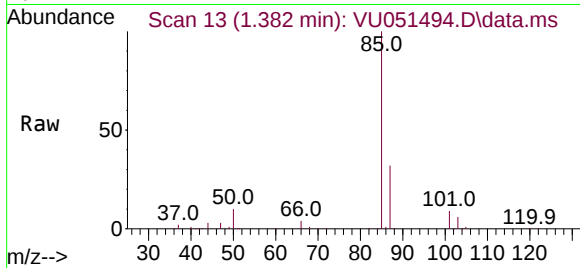




#2
Dichlorodifluoromethane
Concen: 41.146 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

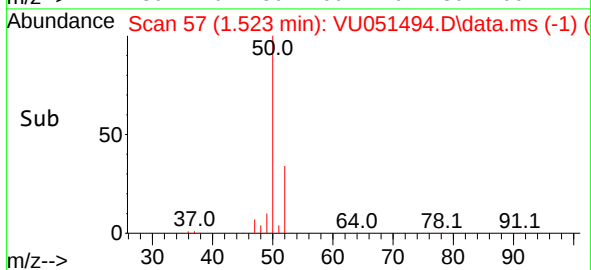
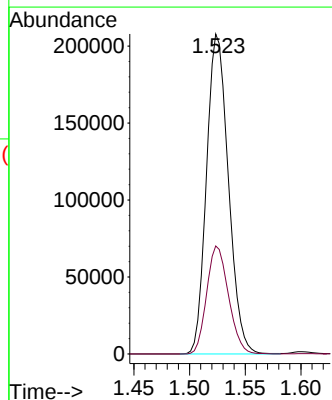
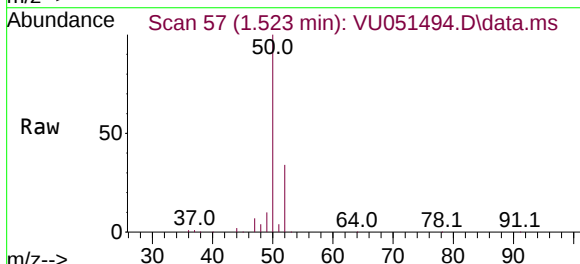
Instrument :
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ClientSampleId :
VSTD050117

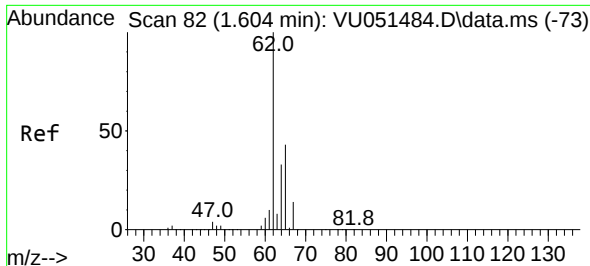
Tgt Ion: 85 Resp: 202980
Ion Ratio Lower Upper
85 100
87 32.8 25.7 38.5



#3
Chloromethane
Concen: 45.007 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion: 50 Resp: 283785
Ion Ratio Lower Upper
50 100
52 33.8 24.1 44.8

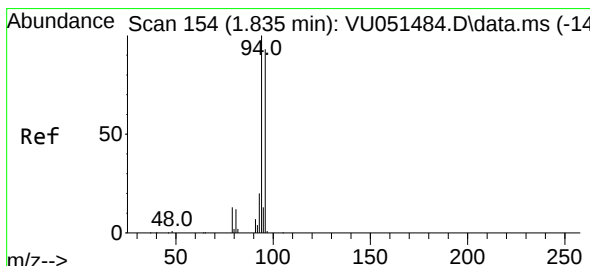
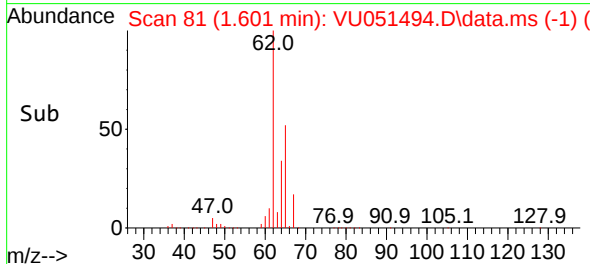
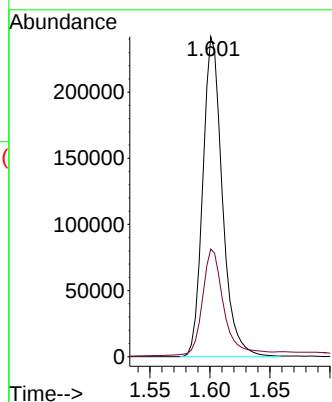
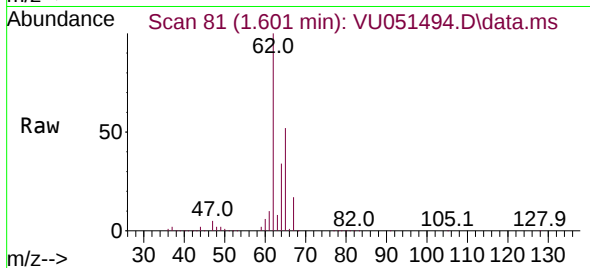




#5
 Vinyl chloride
 Concen: 44.002 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051494.D
 Acq: 25 Oct 2022 18:28

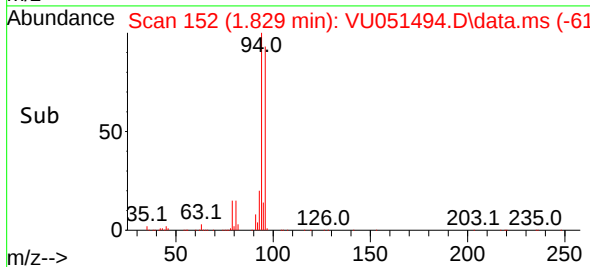
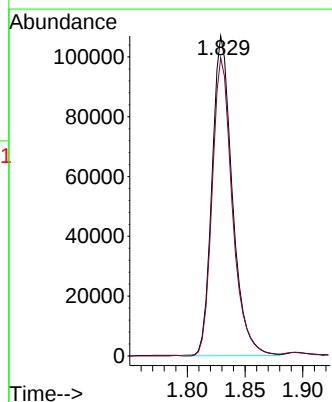
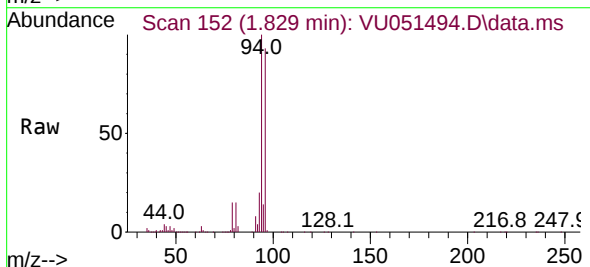
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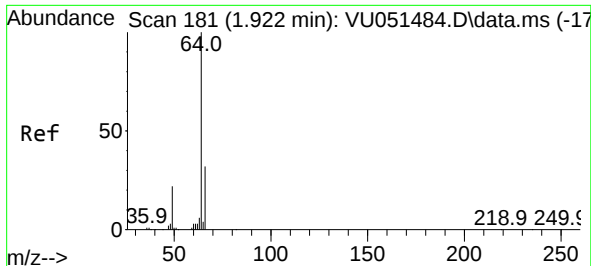
Tgt Ion: 62 Resp: 274588
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.2 43.2



#6
 Bromomethane
 Concen: 40.201 ug/L
 RT: 1.829 min Scan# 152
 Delta R.T. -0.006 min
 Lab File: VU051494.D
 Acq: 25 Oct 2022 18:28

Tgt Ion: 94 Resp: 130391
 Ion Ratio Lower Upper
 94 100
 96 93.2 64.5 119.9

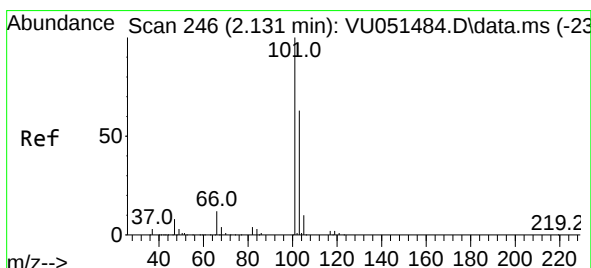
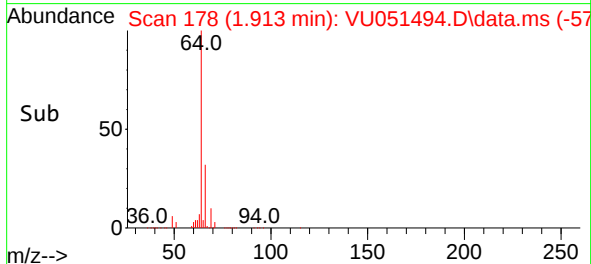
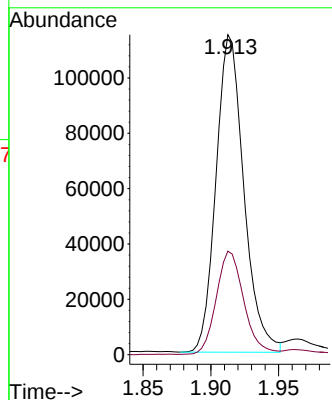
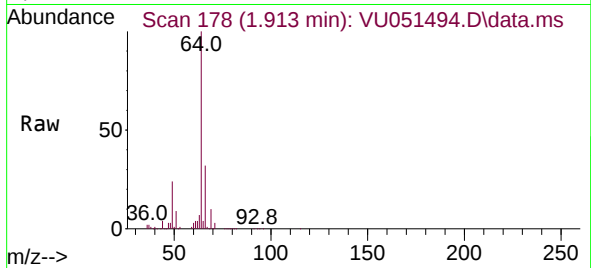




#8
Chloroethane
Concen: 43.890 ug/L
RT: 1.913 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

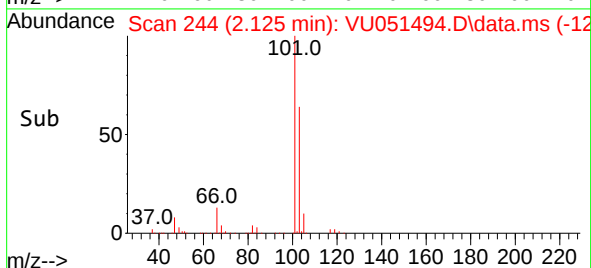
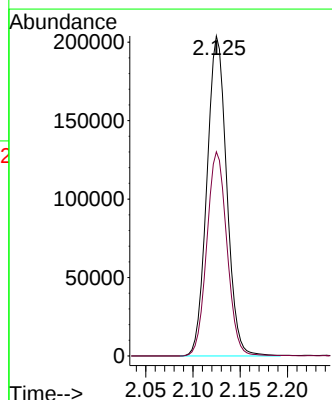
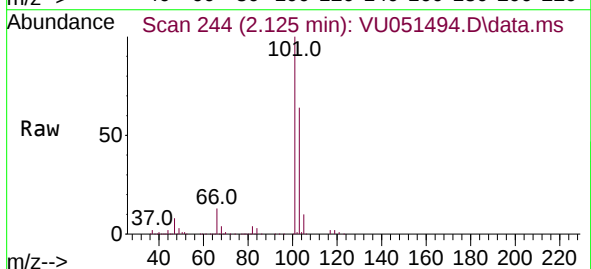
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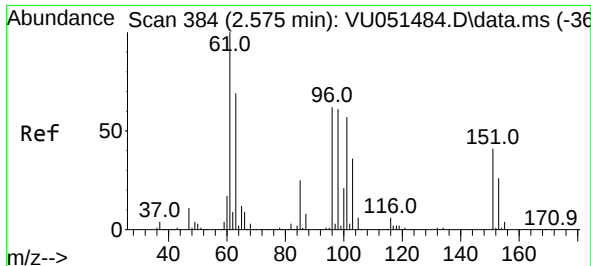
Tgt Ion: 64 Resp: 163681
Ion Ratio Lower Upper
64 100
66 32.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 41.192 ug/L
RT: 2.125 min Scan# 244
Delta R.T. -0.006 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion:101 Resp: 297398
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.4

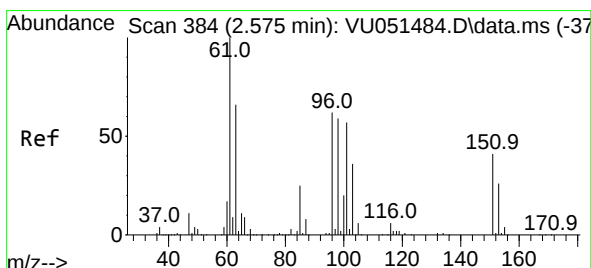
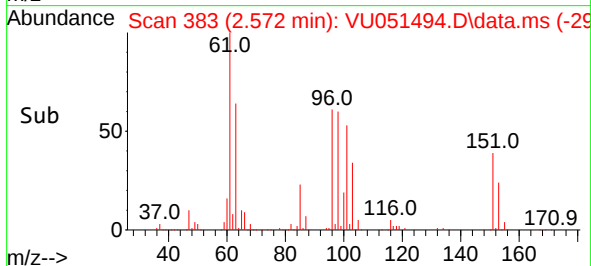
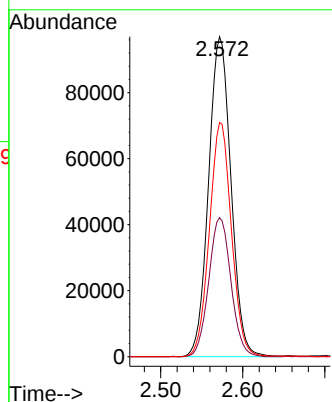
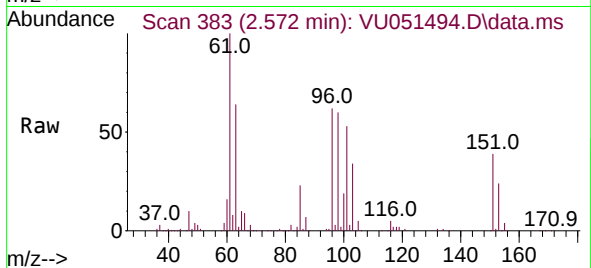




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 41.685 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

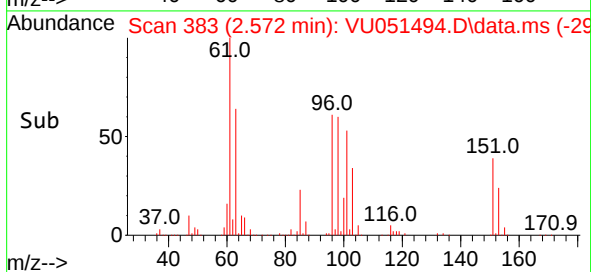
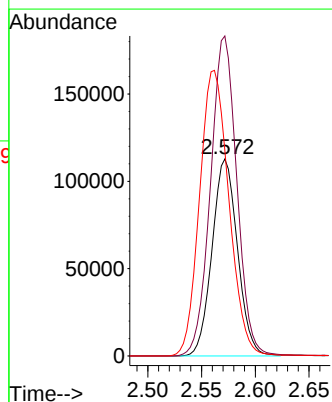
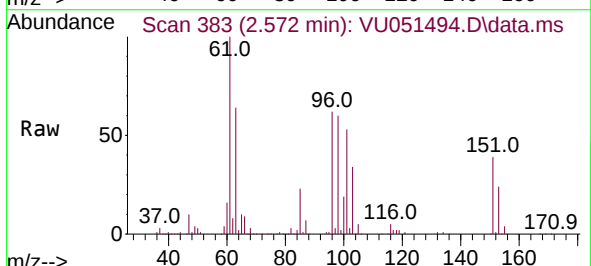
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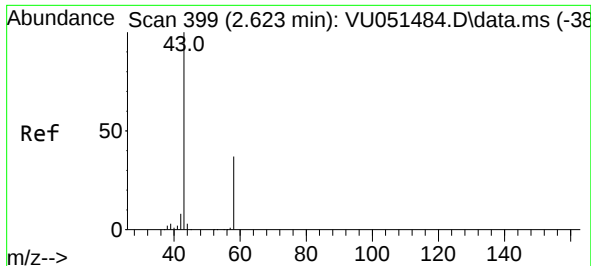
Tgt Ion:101 Resp: 183948
Ion Ratio Lower Upper
101 100
85 43.0 35.2 52.8
151 72.0 57.8 86.8



#12
1,1-Dichloroethene
Concen: 44.365 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion: 96 Resp: 185589
Ion Ratio Lower Upper
96 100
61 162.5 119.0 221.0
63 104.4 78.5 145.7





#13

Acetone

Concen: 69.824 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

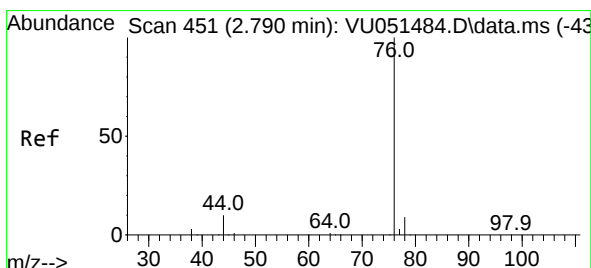
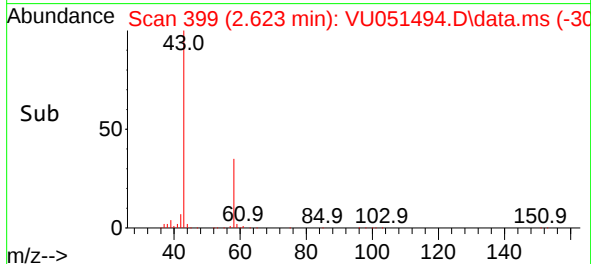
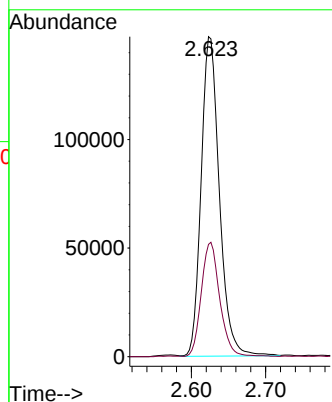
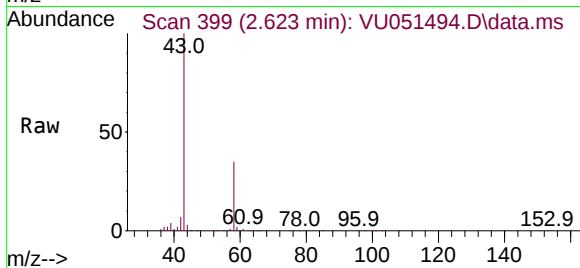
VSTD050117

Tgt Ion: 43 Resp: 251203

Ion Ratio Lower Upper

43 100

58 36.3 0.0 70.2



#14

Carbon disulfide

Concen: 42.263 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU051494.D

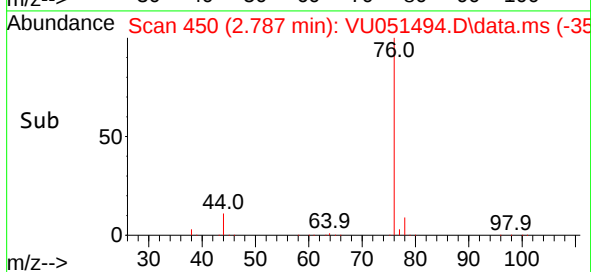
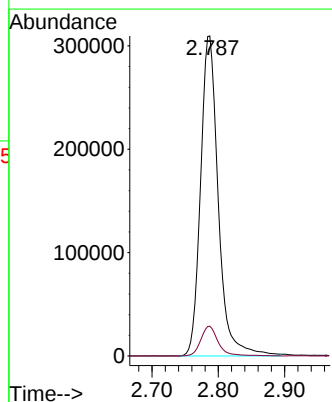
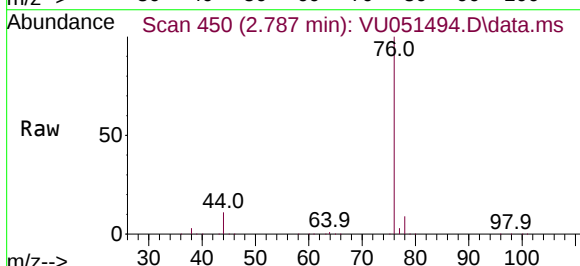
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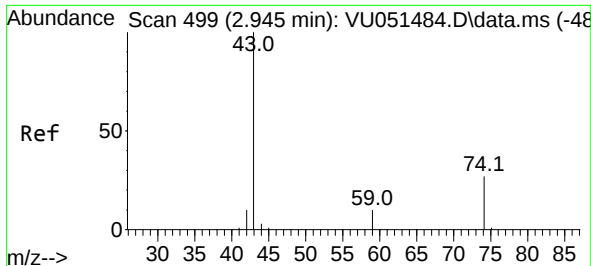
Tgt Ion: 76 Resp: 575848

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

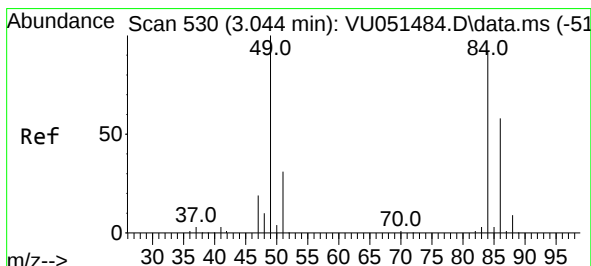
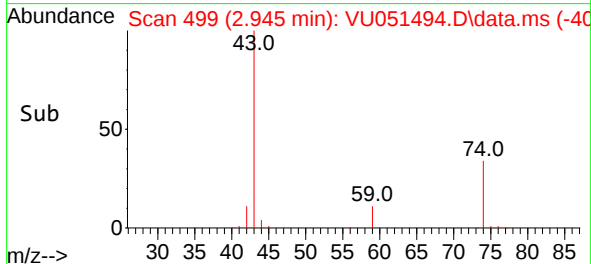
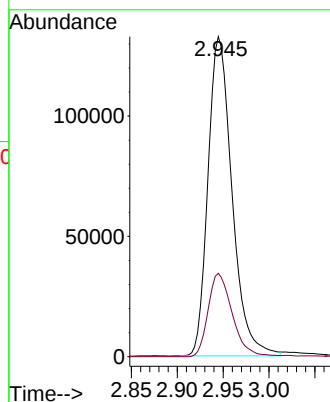
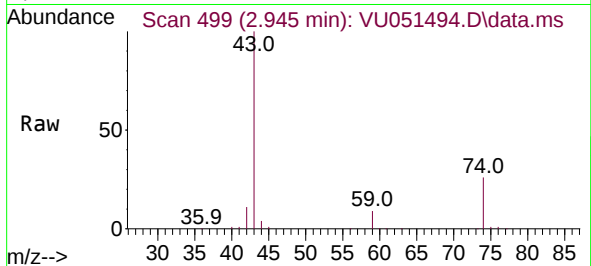




#15
Methyl Acetate
Concen: 44.529 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

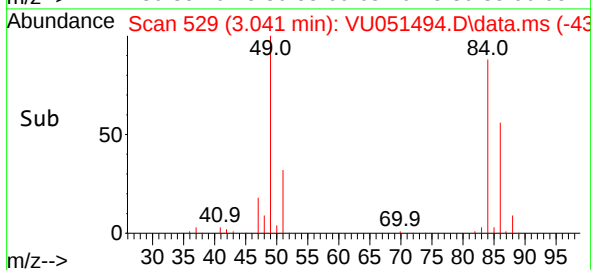
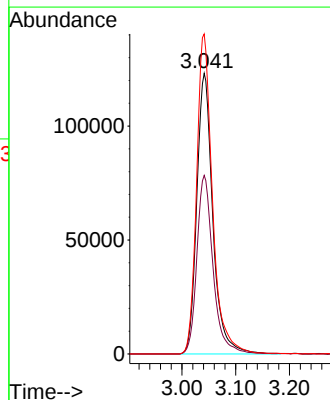
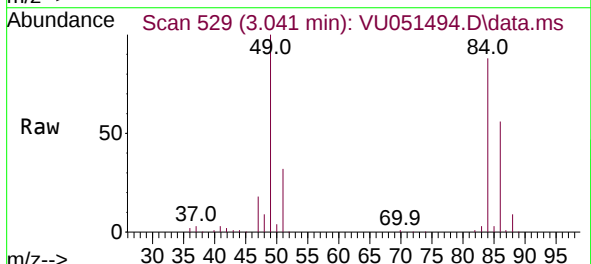
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

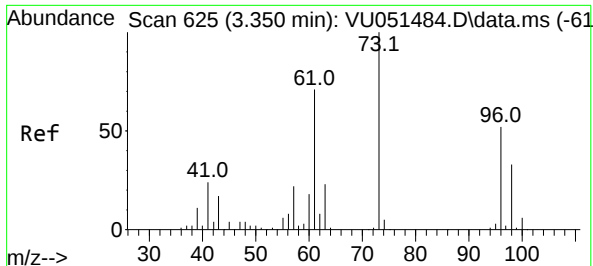
Tgt Ion: 43 Resp: 242273
Ion Ratio Lower Upper
43 100
74 26.2 21.1 31.7



#16
Methylene chloride
Concen: 46.488 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion: 84 Resp: 255268
Ion Ratio Lower Upper
84 100
86 63.6 45.8 85.2
49 114.0 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 46.161 ug/L

RT: 3.347 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

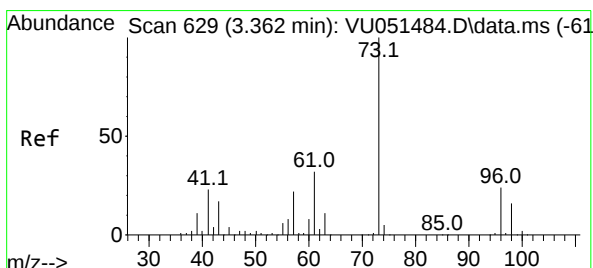
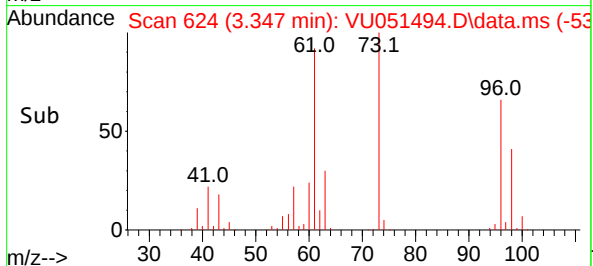
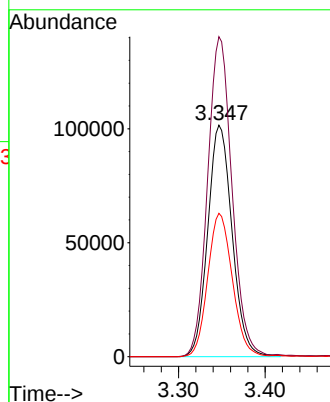
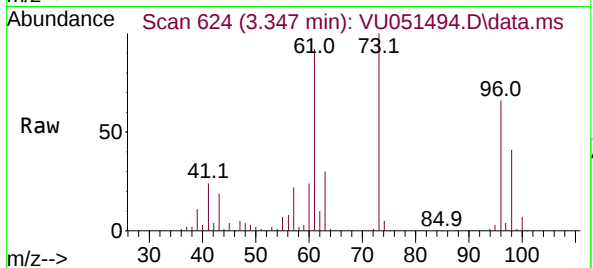
Tgt Ion: 96 Resp: 198596

Ion Ratio Lower Upper

96 100

61 138.2 98.1 182.1

98 61.9 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 49.799 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

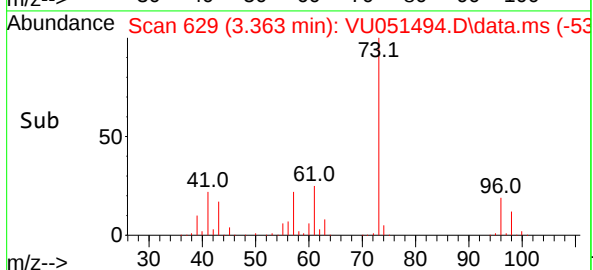
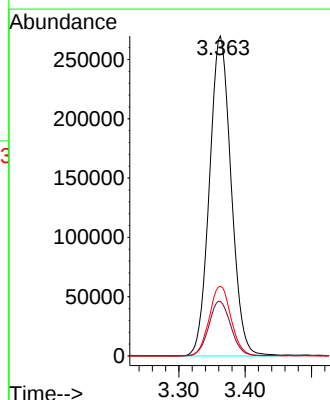
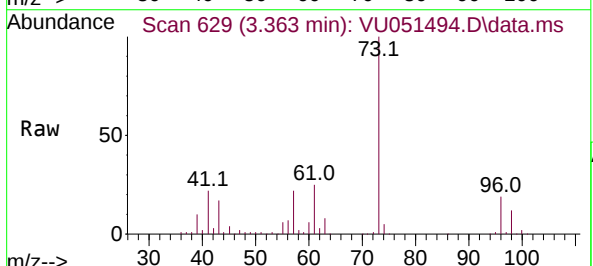
Tgt Ion: 73 Resp: 612663

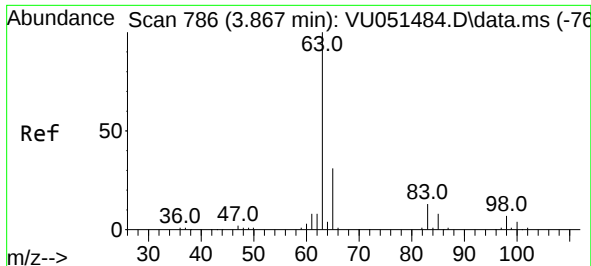
Ion Ratio Lower Upper

73 100

43 17.2 13.9 20.9

57 22.1 17.7 26.5





#19

1,1-Dichloroethane

Concen: 46.015 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

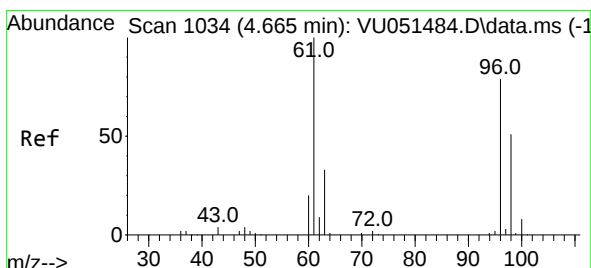
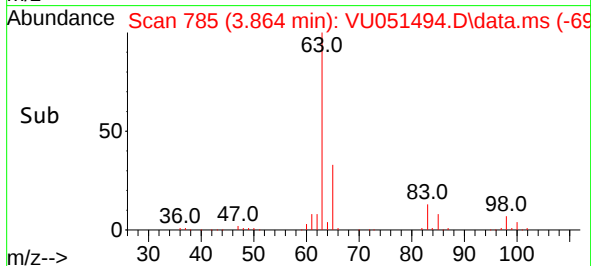
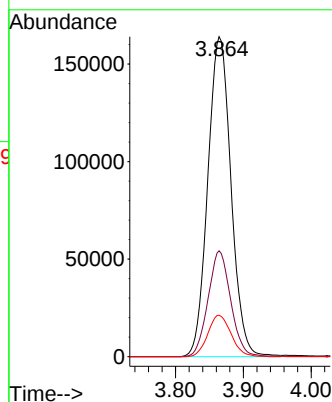
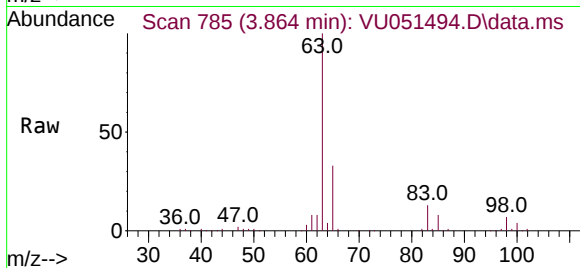
Tgt Ion: 63 Resp: 390470

Ion Ratio Lower Upper

63 100

65 33.1 22.1 41.1

83 13.0 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.786 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

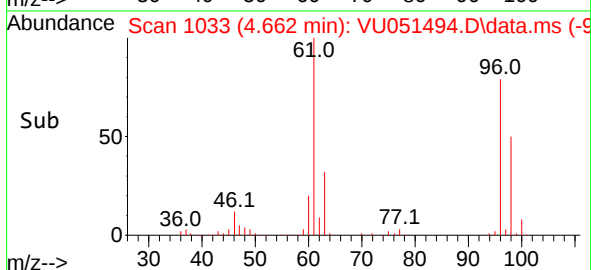
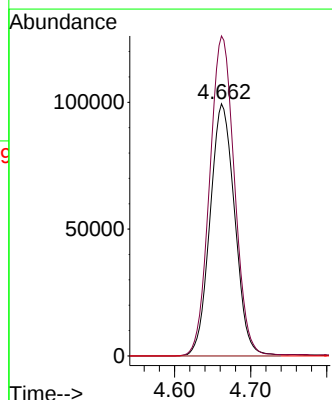
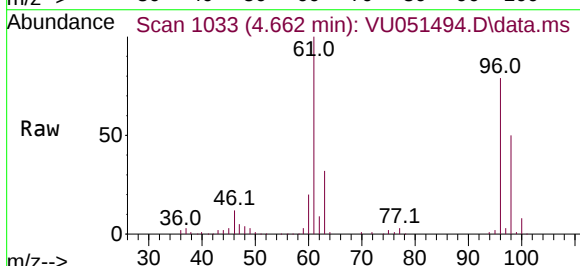
Tgt Ion: 96 Resp: 224297

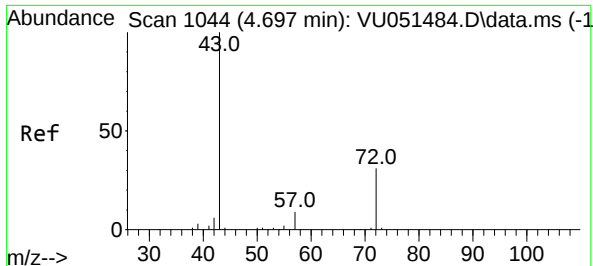
Ion Ratio Lower Upper

96 100

61 126.9 89.7 166.7

68 0.0 0.0 0.0

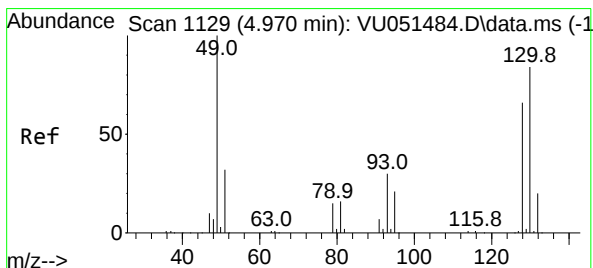
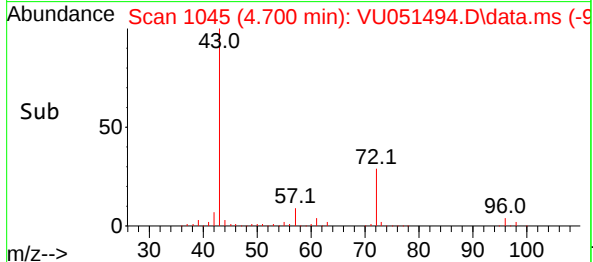
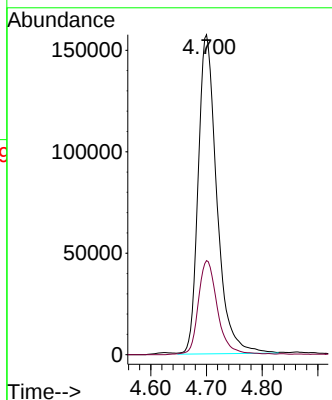
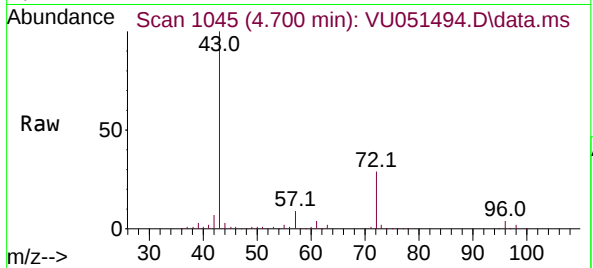




#22
2-Butanone
Concen: 87.750 ug/L
RT: 4.700 min Scan# 1044
Delta R.T. 0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

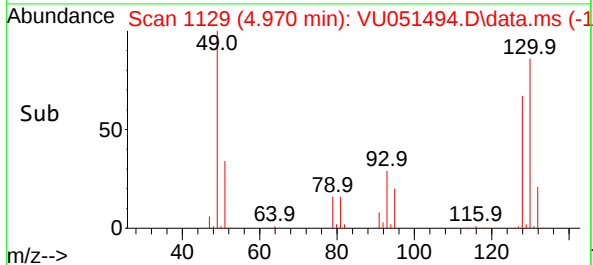
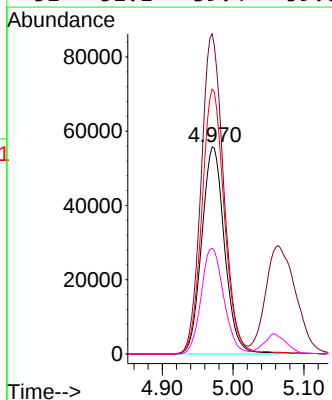
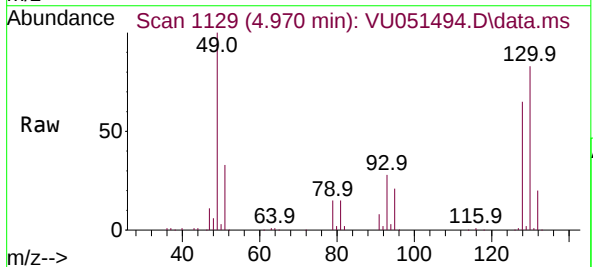
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

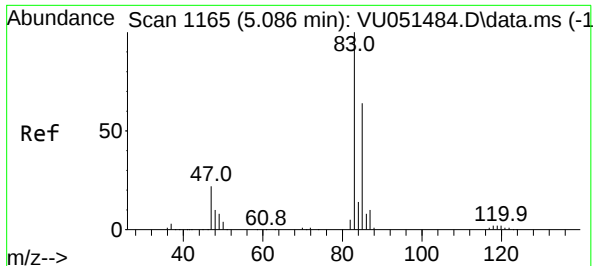
Tgt Ion: 43 Resp: 366387
Ion Ratio Lower Upper
43 100
72 30.4 15.2 45.6



#23
Bromochloromethane
Concen: 47.204 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion:128 Resp: 124311
Ion Ratio Lower Upper
128 100
49 154.6 111.9 207.9
130 127.9 88.2 163.8
51 51.1 39.4 59.0





#25

Chloroform

Concen: 45.554 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

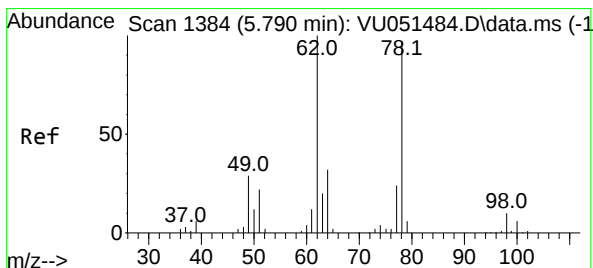
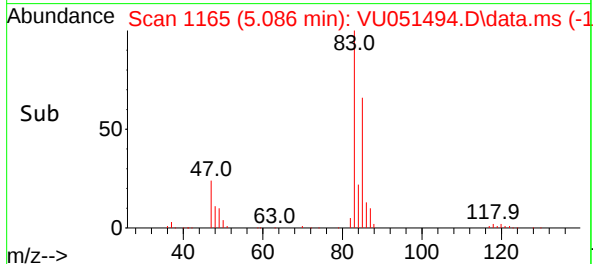
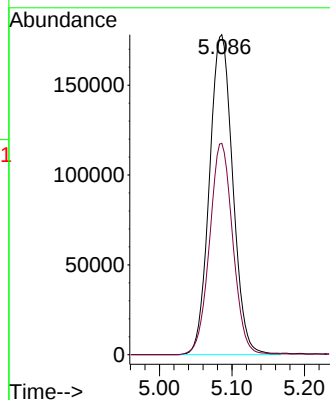
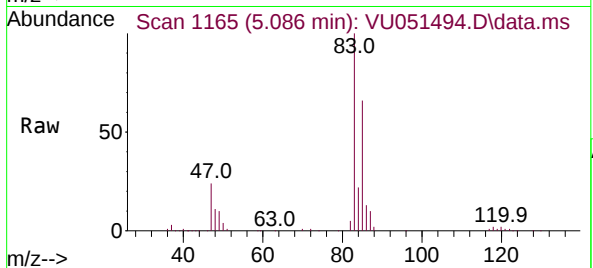
VSTD050117

Tgt Ion: 83 Resp: 398532

Ion Ratio Lower Upper

83 100

85 66.1 45.1 83.9



#27

1,2-Dichloroethane

Concen: 45.743 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU051494.D

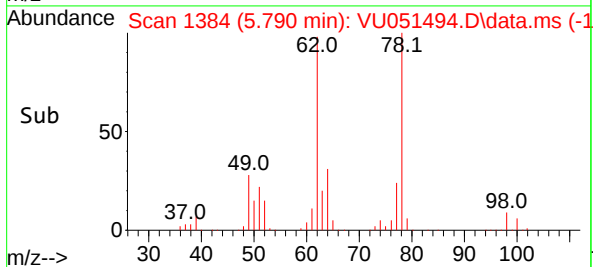
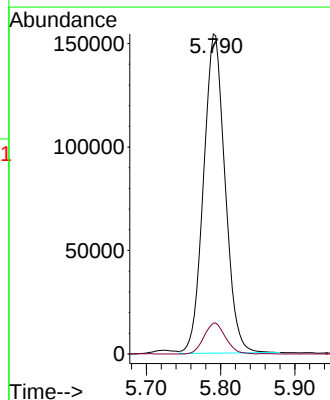
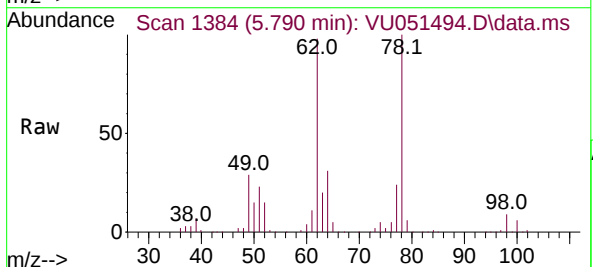
Acq: 25 Oct 2022 18:28

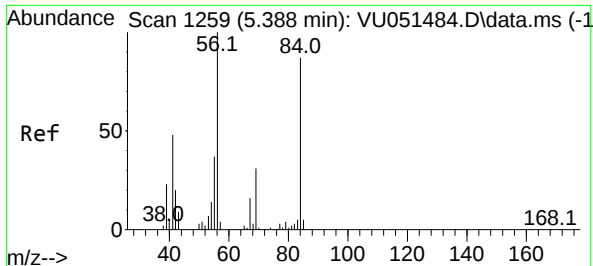
Tgt Ion: 62 Resp: 310735

Ion Ratio Lower Upper

62 100

98 9.6 8.0 12.0





#29

Cyclohexane

Concen: 51.327 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

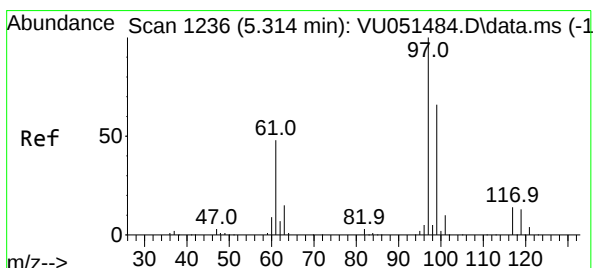
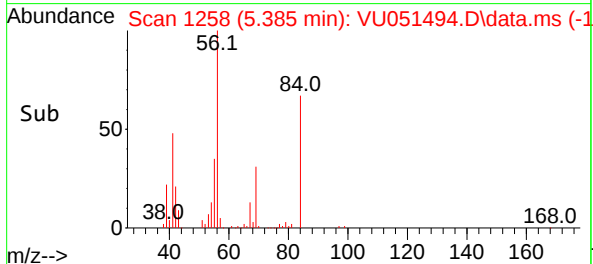
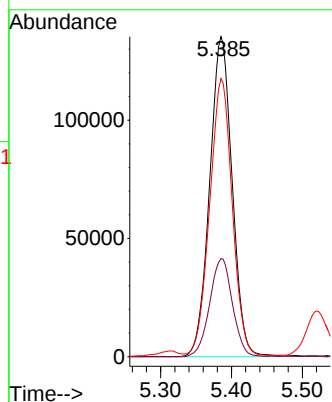
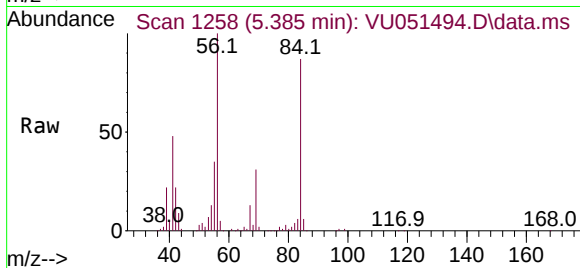
Tgt Ion: 56 Resp: 298613

Ion Ratio Lower Upper

56 100

69 31.0 25.5 38.3

84 86.5 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 46.827 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

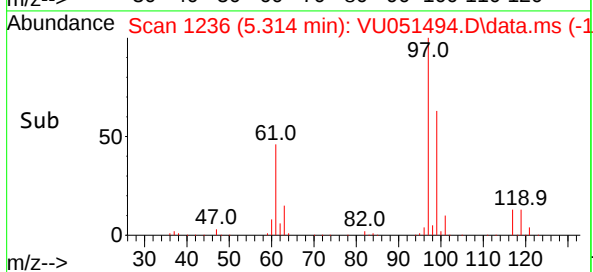
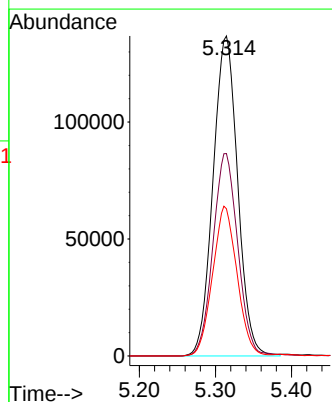
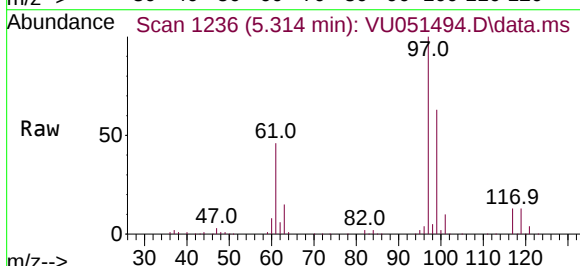
Tgt Ion: 97 Resp: 307558

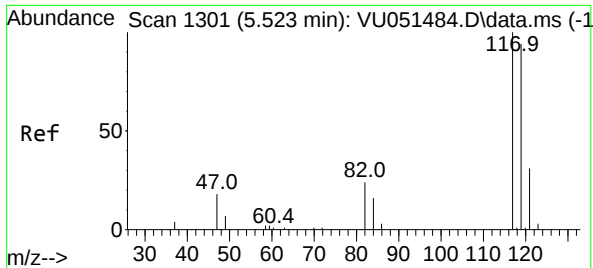
Ion Ratio Lower Upper

97 100

99 63.7 50.7 76.1

61 46.5 36.7 55.1

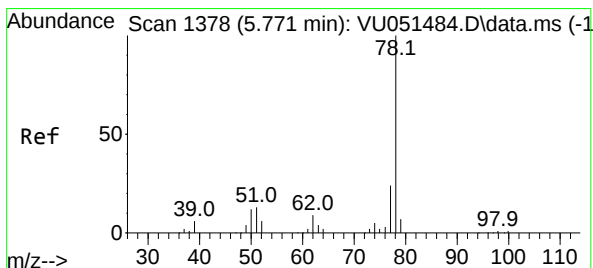
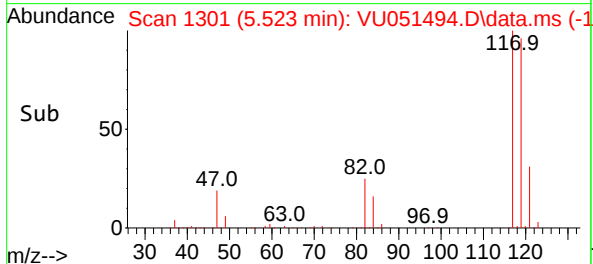
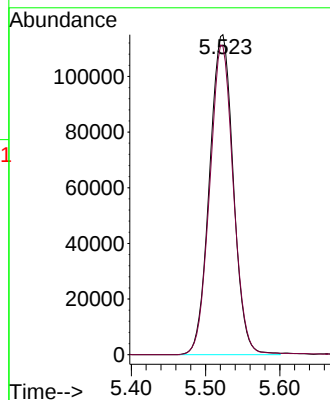
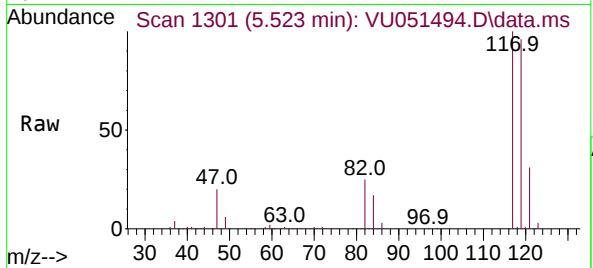




#31
Carbon tetrachloride
Concen: 46.209 ug/L
RT: 5.523 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

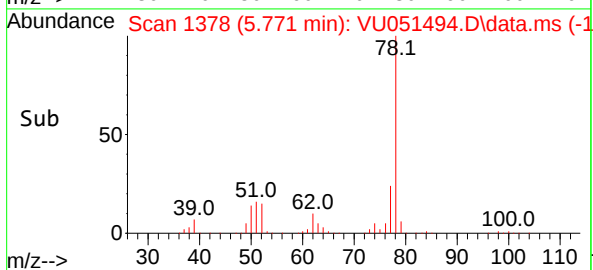
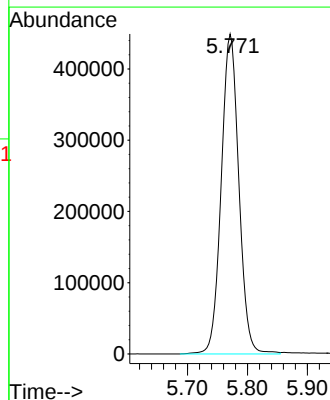
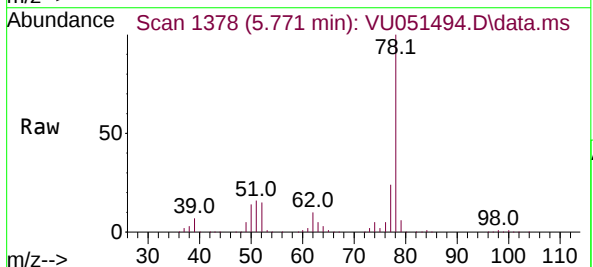
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

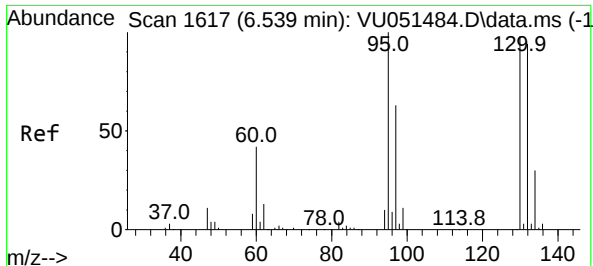
Tgt Ion:117 Resp: 256253
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.6



#33
Benzene
Concen: 50.439 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion: 78 Resp: 913064





#34

Trichloroethene

Concen: 48.282 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

Tgt Ion: 95 Resp: 210910

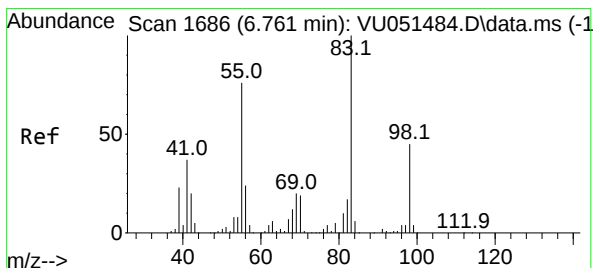
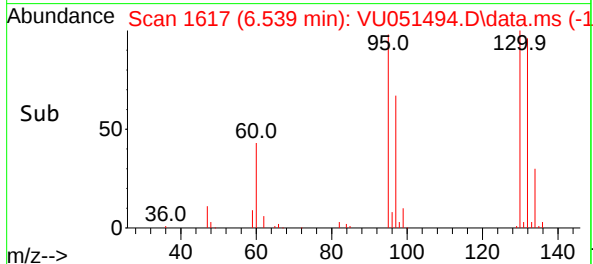
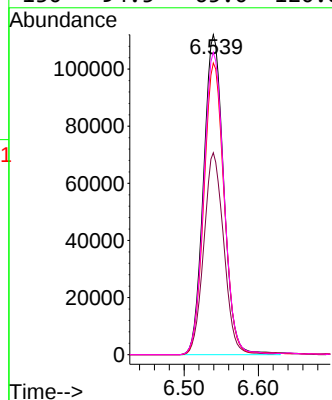
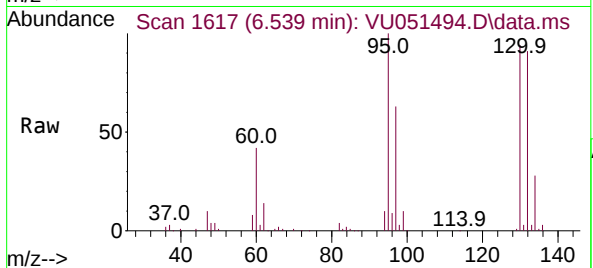
Ion Ratio Lower Upper

95 100

97 63.1 43.8 81.4

132 91.2 61.9 114.9

130 94.5 65.0 120.8



#35

Methylcyclohexane

Concen: 48.477 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

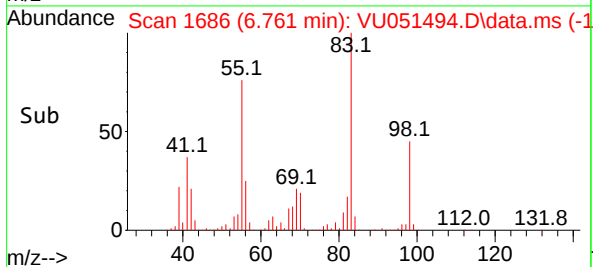
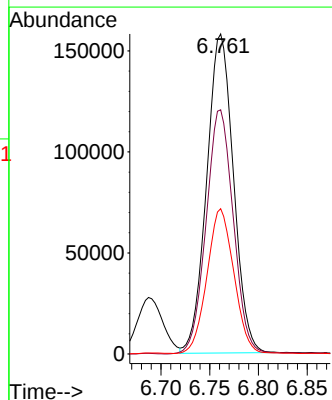
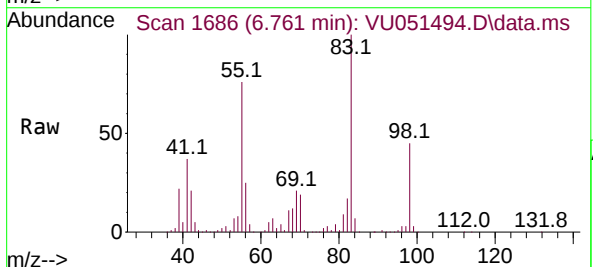
Tgt Ion: 83 Resp: 302930

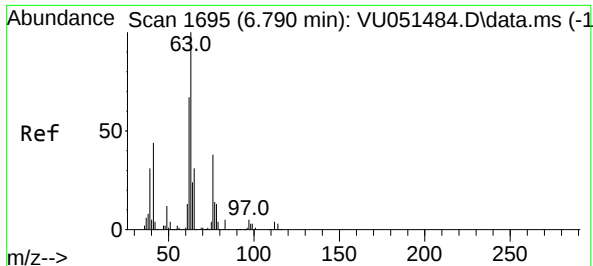
Ion Ratio Lower Upper

83 100

55 77.8 62.6 93.8

98 45.2 36.2 54.4

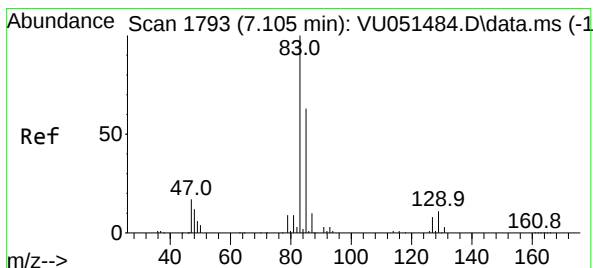
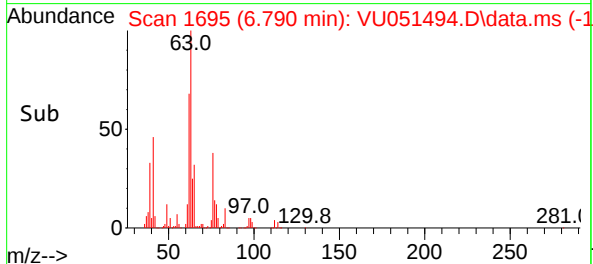
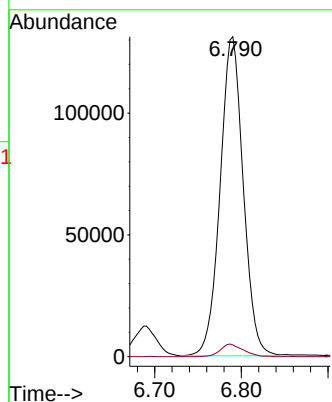
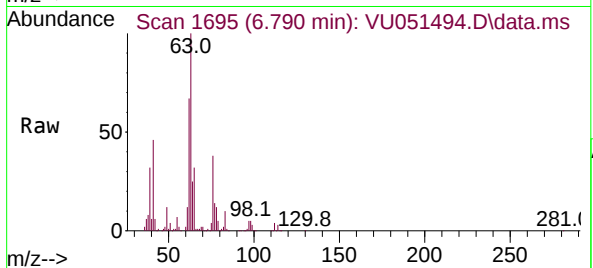




#37
1,2-Dichloropropane
Concen: 48.905 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

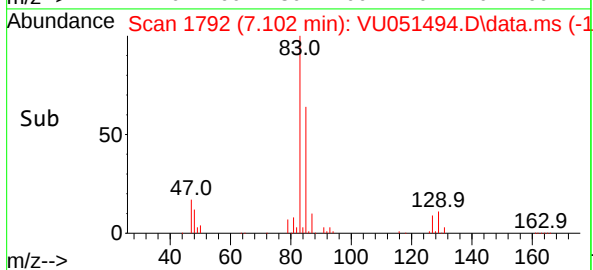
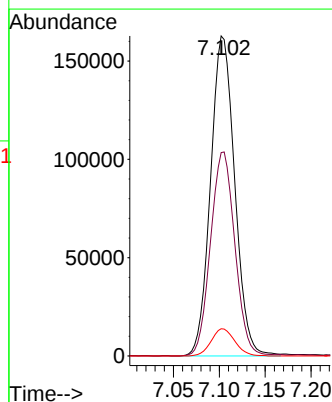
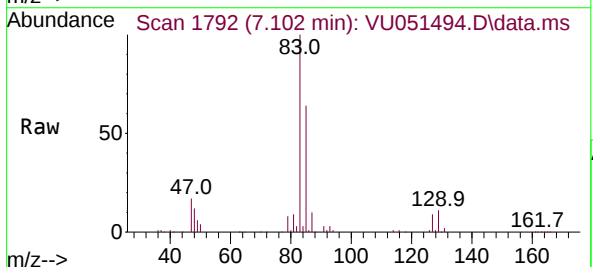
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

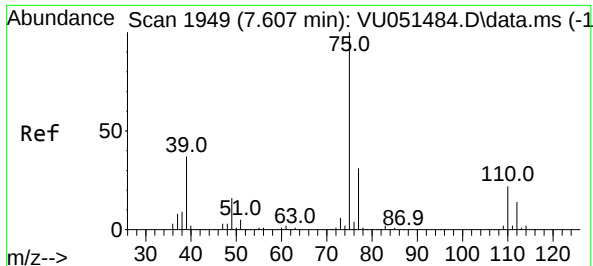
Tgt Ion: 63 Resp: 242783
Ion Ratio Lower Upper
63 100
112 3.9 3.2 4.8



#38
Bromodichloromethane
Concen: 47.256 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion: 83 Resp: 298640
Ion Ratio Lower Upper
83 100
85 63.6 44.9 83.5
127 8.5 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 50.801 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

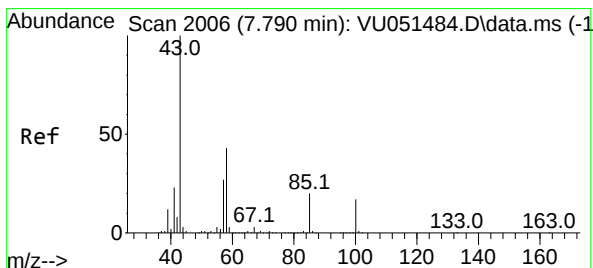
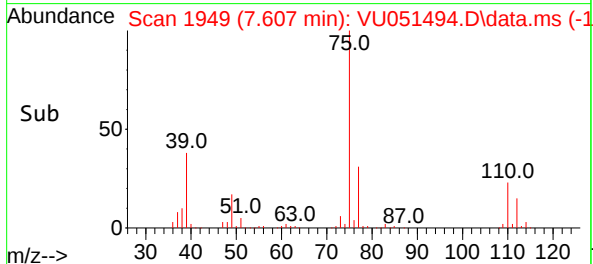
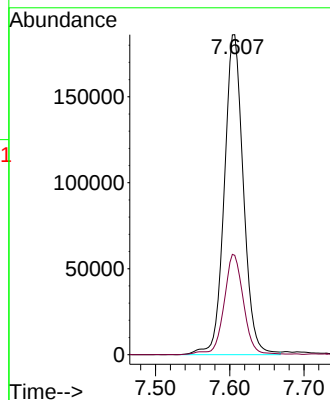
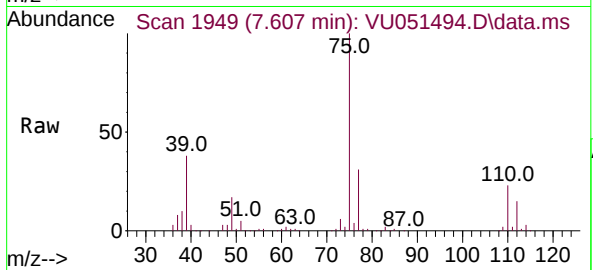
VSTD050117

Tgt Ion: 75 Resp: 332493

Ion Ratio Lower Upper

75 100

77 31.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 103.956 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

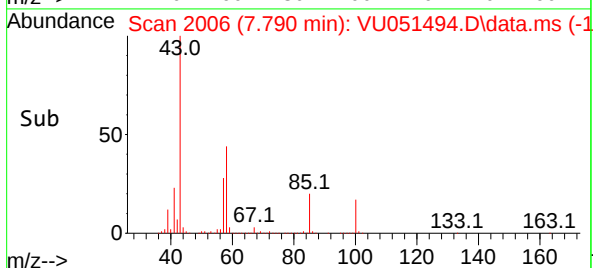
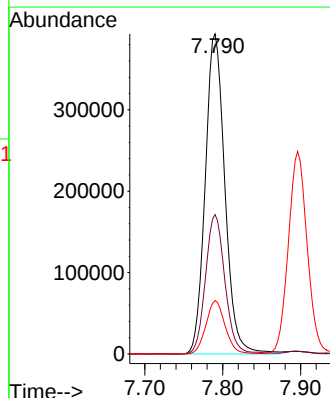
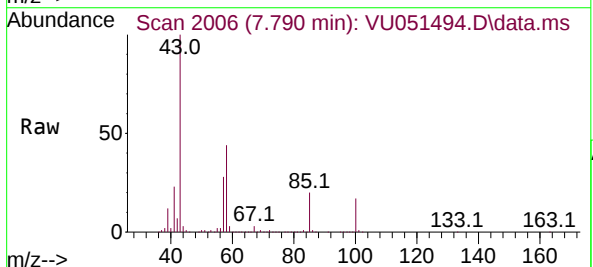
Tgt Ion: 43 Resp: 689553

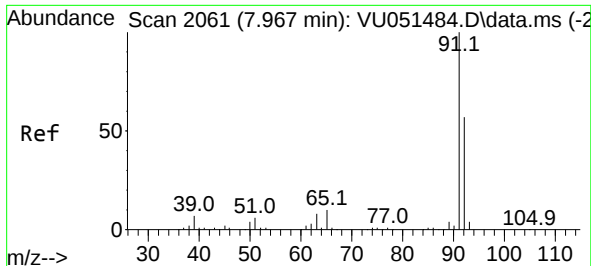
Ion Ratio Lower Upper

43 100

58 42.8 34.4 51.6

100 16.3 12.9 19.3





#42

Toluene

Concen: 51.702 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

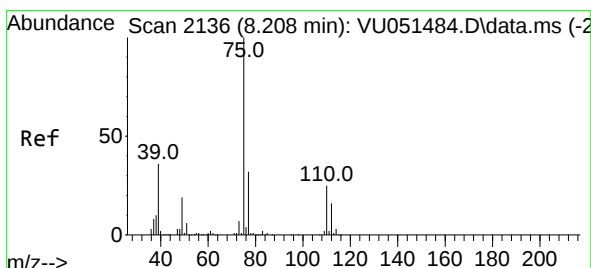
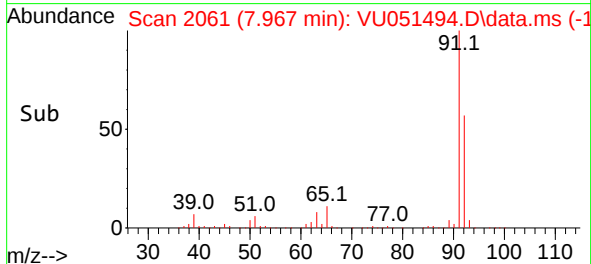
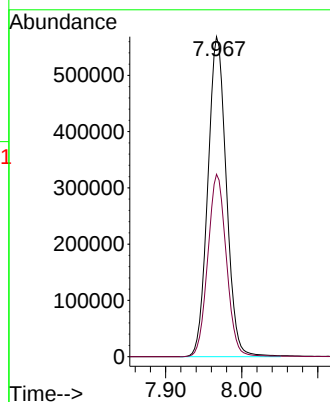
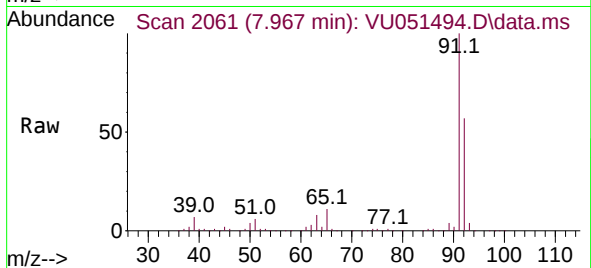
VSTD050117

Tgt Ion: 91 Resp: 960446

Ion Ratio Lower Upper

91 100

92 57.0 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 50.555 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051494.D

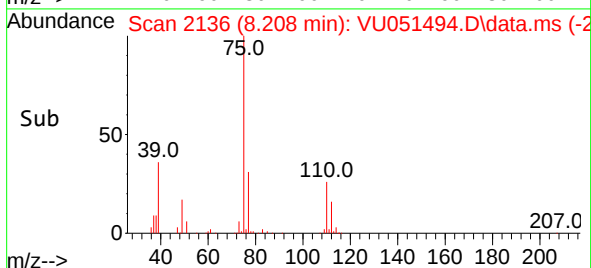
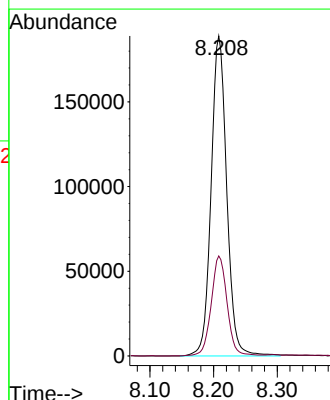
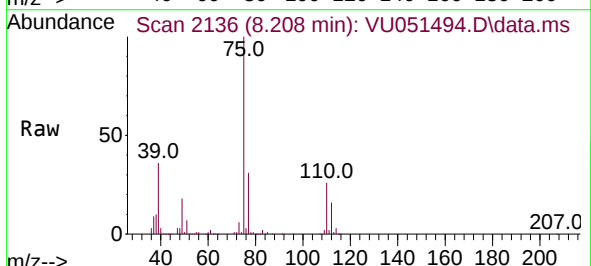
Acq: 25 Oct 2022 18:28

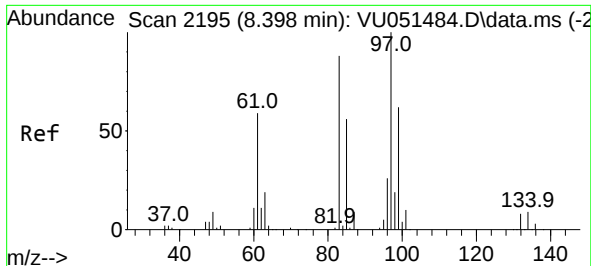
Tgt Ion: 75 Resp: 322007

Ion Ratio Lower Upper

75 100

77 31.2 21.3 39.5



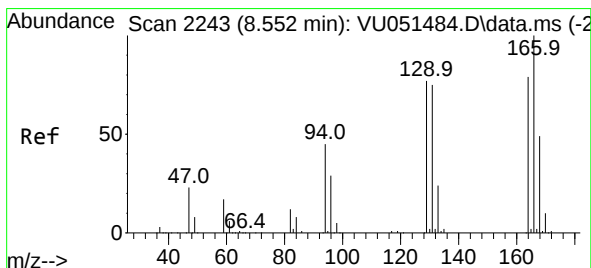
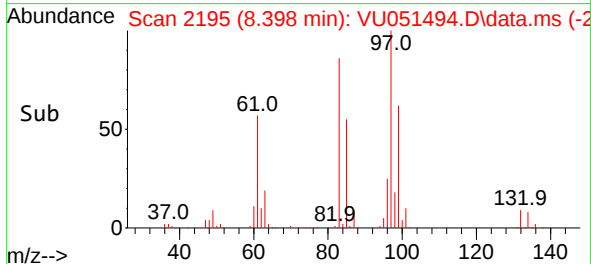
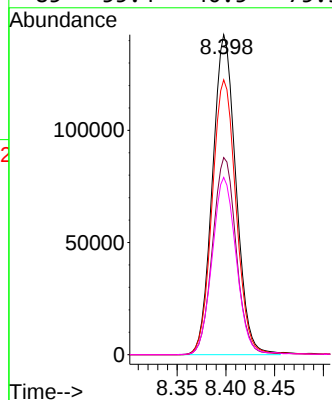
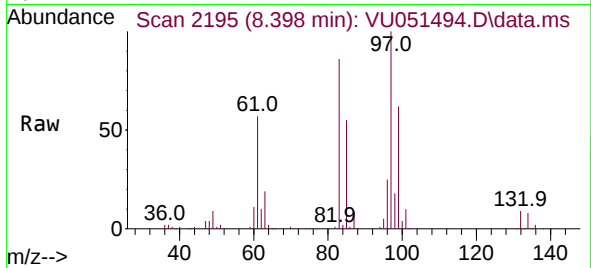


#45
1,1,2-Trichloroethane
Concen: 48.306 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

Tgt Ion: 97 Resp: 239339

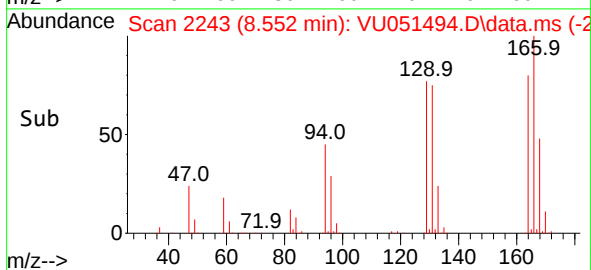
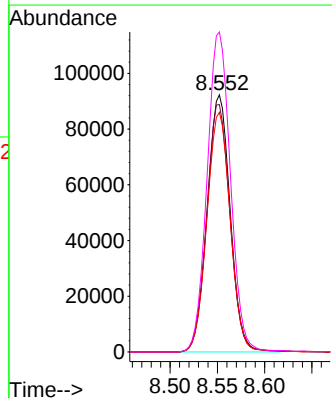
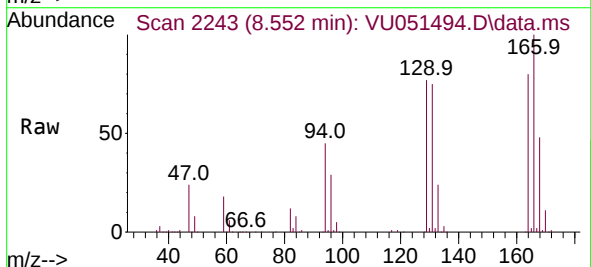
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.6	81.0
83	85.9	61.8	114.8
85	55.4	40.5	75.3

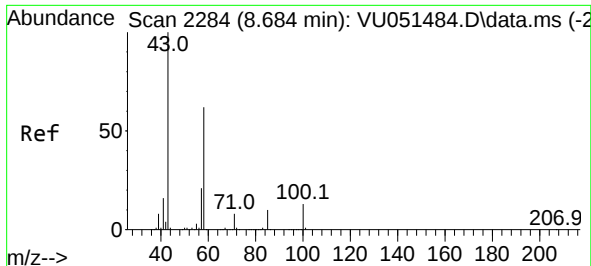


#46
Tetrachloroethene
Concen: 47.989 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion: 164 Resp: 156475

Ion	Ratio	Lower	Upper
164	100		
129	96.2	67.3	124.9
131	93.2	65.2	121.0
166	124.5	87.0	161.6

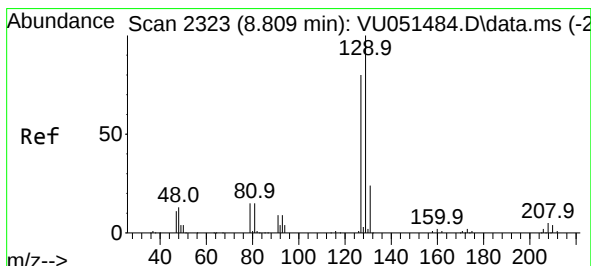
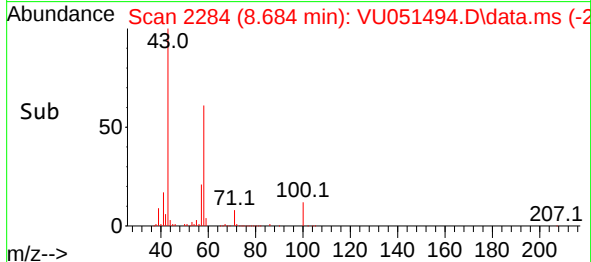
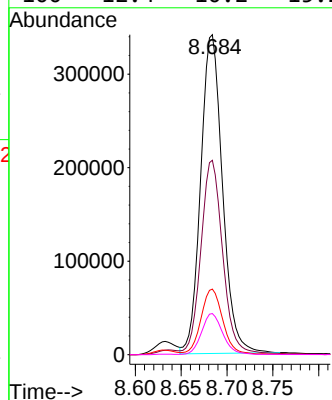
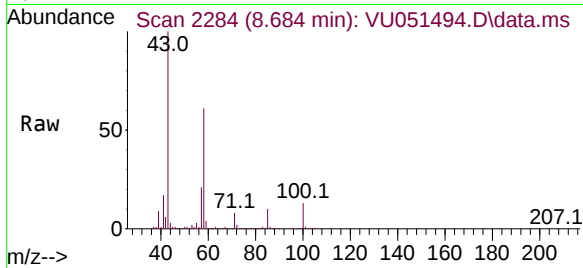




#48
2-Hexanone
Concen: 99.695 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

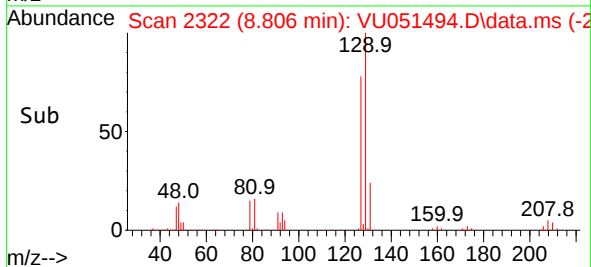
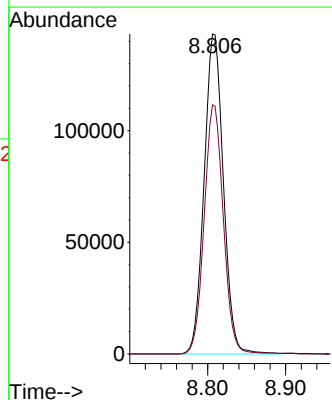
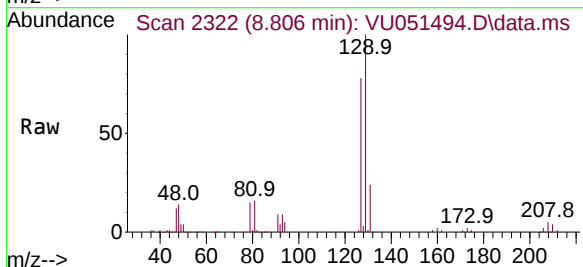
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

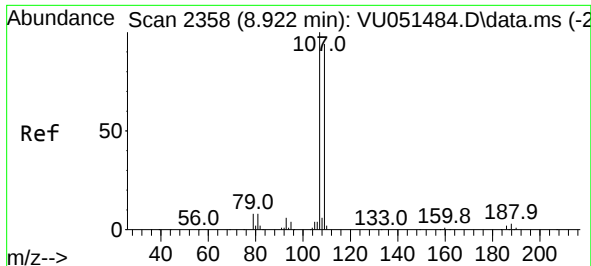
Tgt Ion: 43 Resp: 565085
Ion Ratio Lower Upper
43 100
58 60.6 48.2 72.4
57 20.1 16.4 24.6
100 12.4 10.2 15.2



#49
Dibromochloromethane
Concen: 48.572 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion: 129 Resp: 246320
Ion Ratio Lower Upper
129 100
127 77.9 53.1 98.5

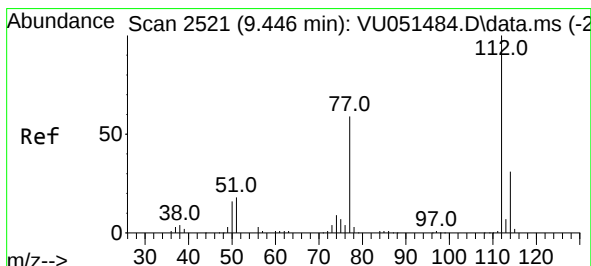
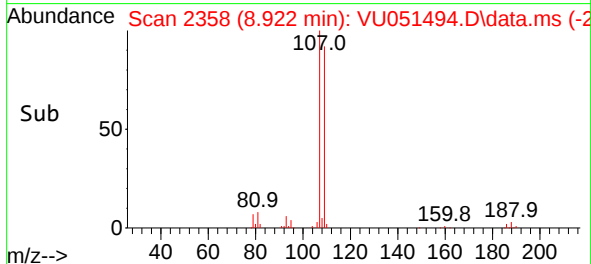
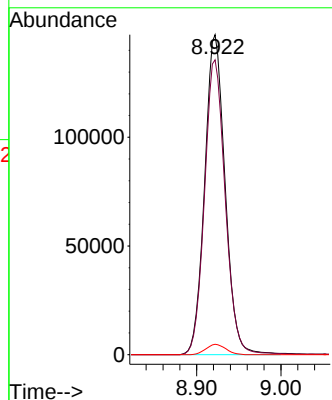
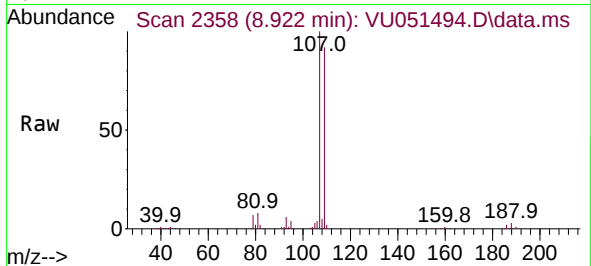




#50
1,2-Dibromoethane
Concen: 49.021 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

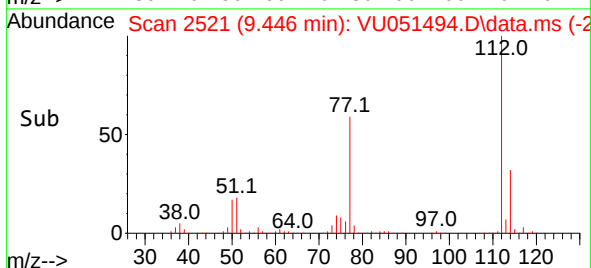
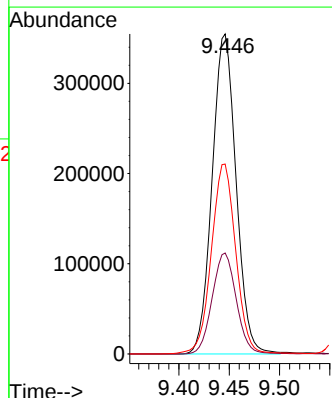
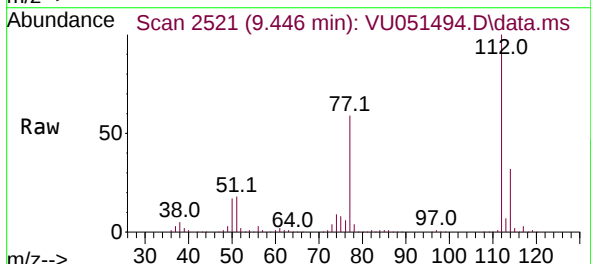
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

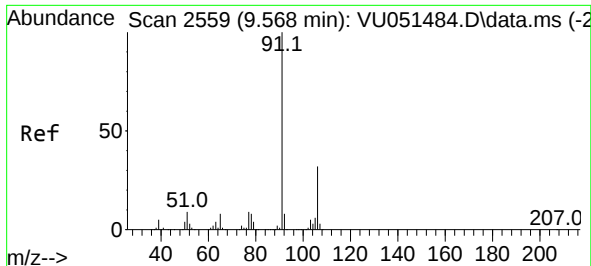
Tgt Ion:107 Resp: 248888
Ion Ratio Lower Upper
107 100
109 92.2 65.8 122.2
188 3.3 2.7 4.1



#51
Chlorobenzene
Concen: 48.258 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion:112 Resp: 587050
Ion Ratio Lower Upper
112 100
114 31.6 21.9 40.7
77 59.3 47.3 70.9

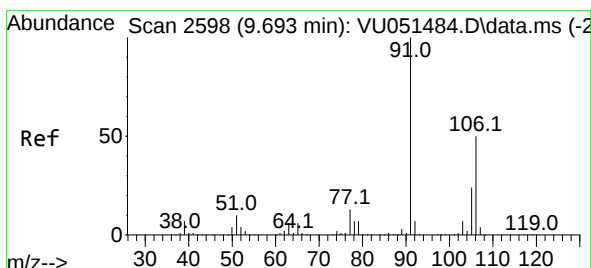
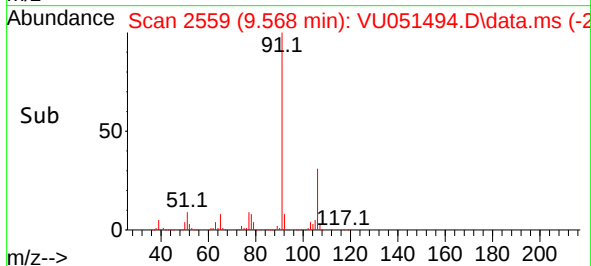
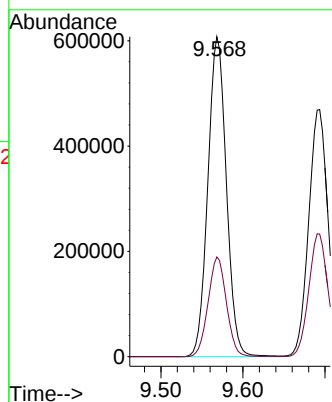
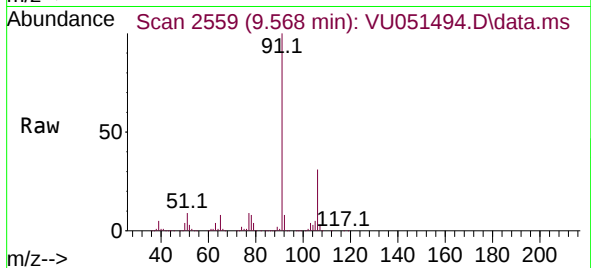




#52
Ethylbenzene
Concen: 50.752 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

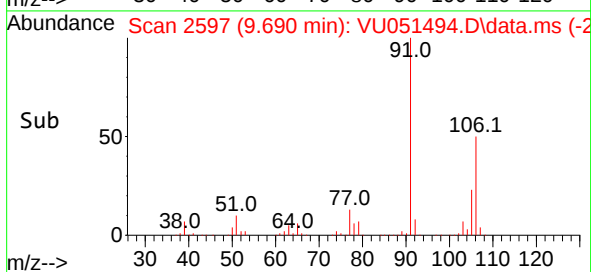
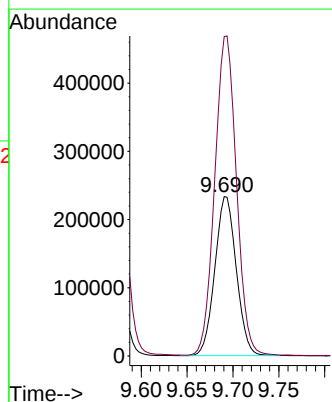
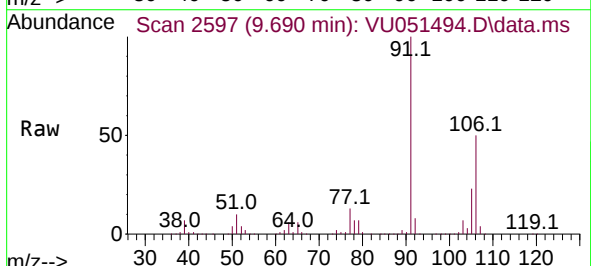
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

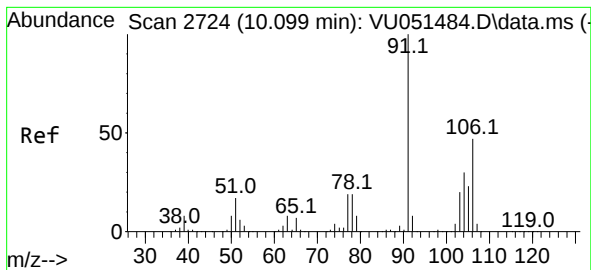
Tgt Ion: 91 Resp: 950741
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6



#53
m,p-Xylene
Concen: 52.615 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion: 106 Resp: 379916
Ion Ratio Lower Upper
106 100
91 200.5 141.3 262.3





#54

o-Xylene

Concen: 53.497 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

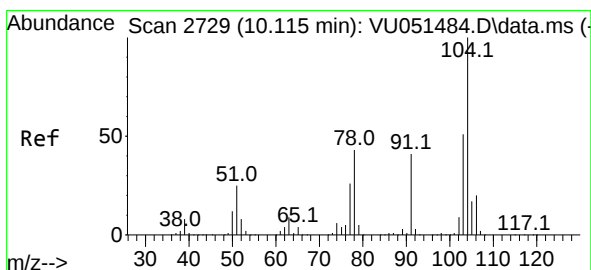
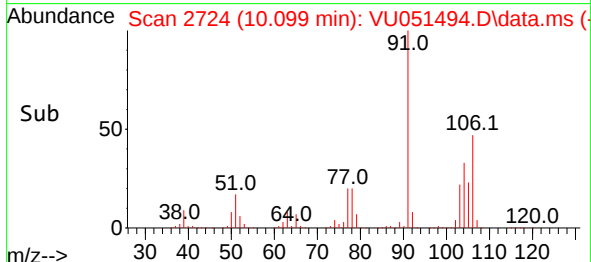
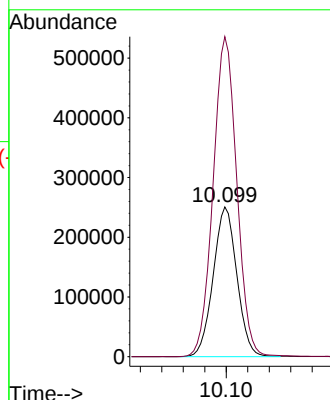
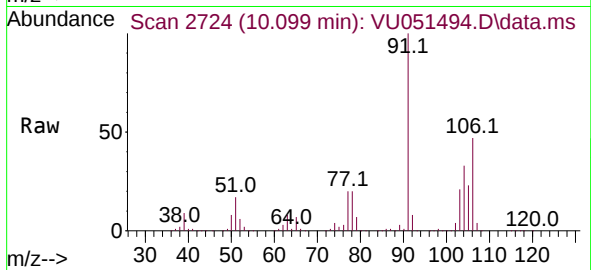
VSTD050117

Tgt Ion:106 Resp: 383167

Ion Ratio Lower Upper

106 100

91 213.8 153.2 284.4



#55

Styrene

Concen: 53.761 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. -0.003 min

Lab File: VU051494.D

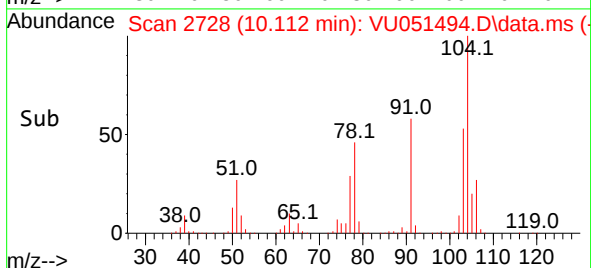
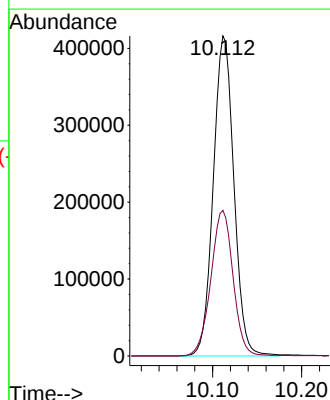
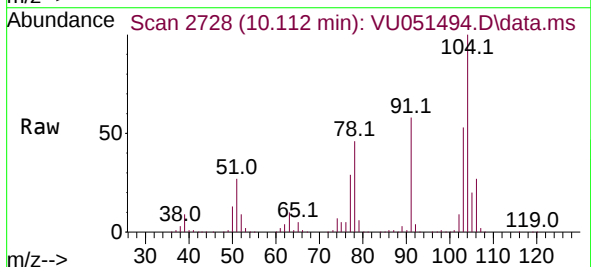
Acq: 25 Oct 2022 18:28

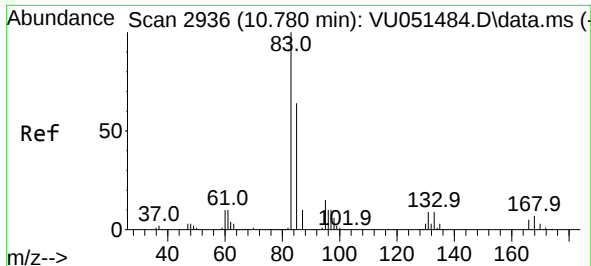
Tgt Ion:104 Resp: 669119

Ion Ratio Lower Upper

104 100

78 45.5 31.8 59.0

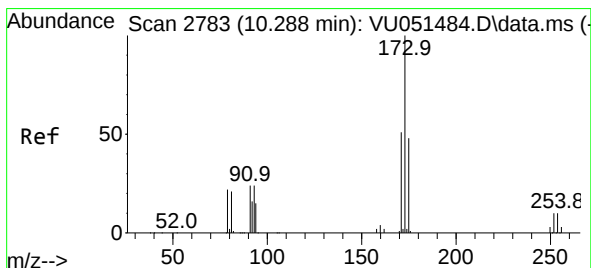
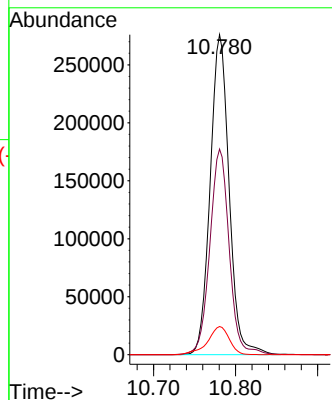
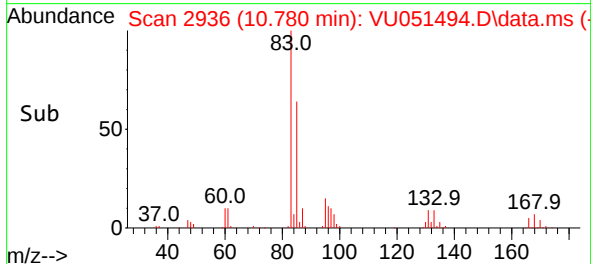
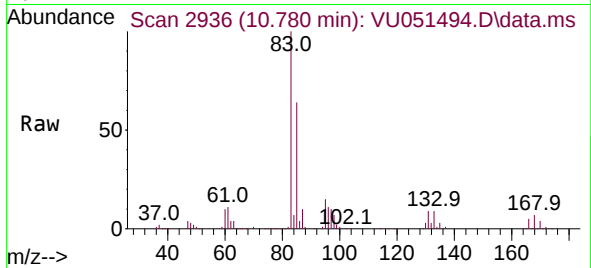




#57
1,1,2,2-Tetrachloroethane
Concen: 46.894 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

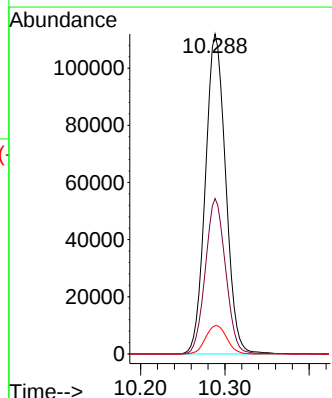
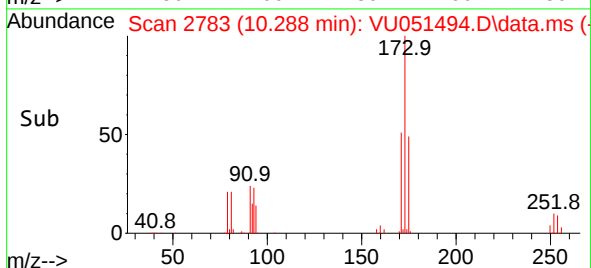
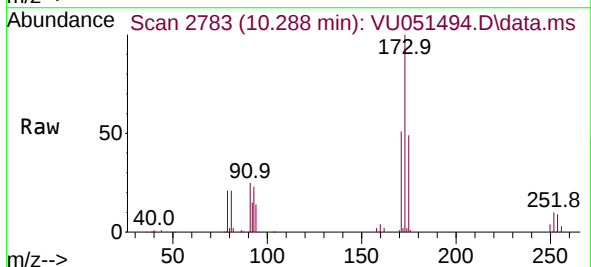
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

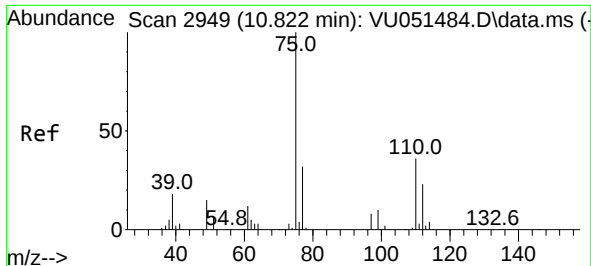
Tgt Ion: 83 Resp: 443348
Ion Ratio Lower Upper
83 100
85 64.3 44.9 83.5
131 8.8 7.4 11.2



#59
Bromoform
Concen: 47.166 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion:173 Resp: 187552
Ion Ratio Lower Upper
173 100
175 48.3 38.4 57.6
254 9.3 7.8 11.6

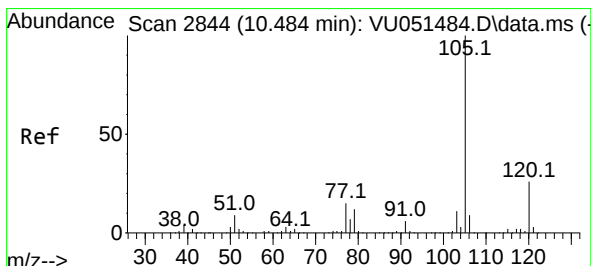
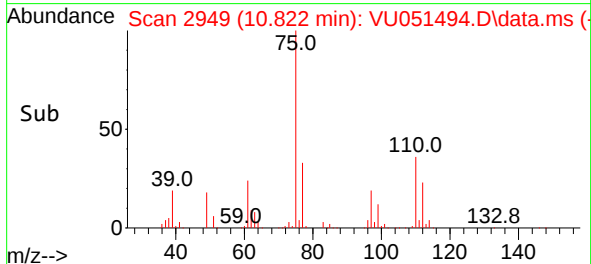
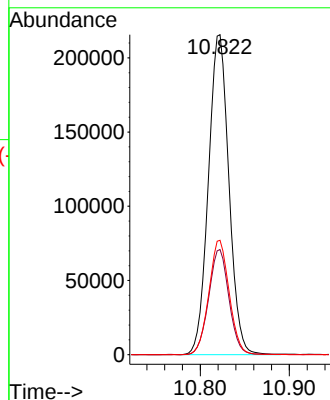
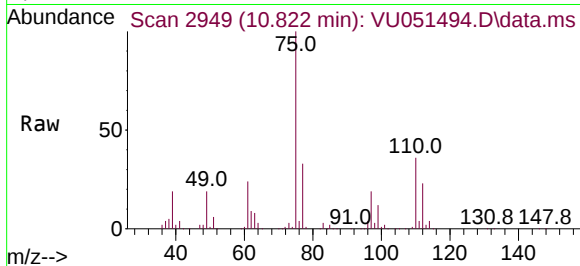




#60
1,2,3-Trichloropropane
Concen: 46.580 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

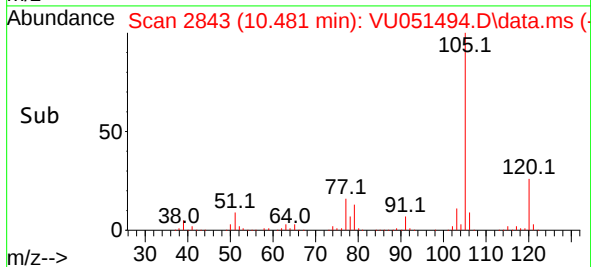
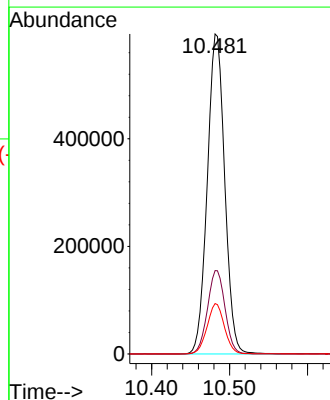
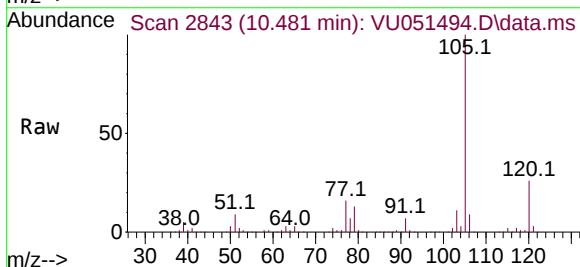
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

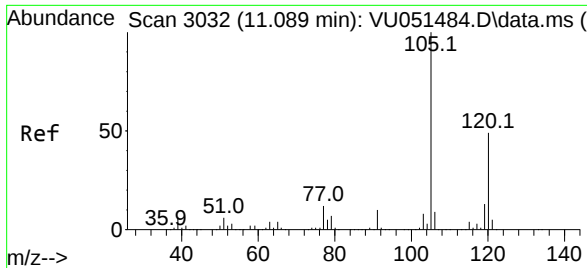
Tgt Ion: 75 Resp: 344643
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
110 35.4 28.7 43.1



#61
Isopropylbenzene
Concen: 51.474 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion: 105 Resp: 922910
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 15.7 12.6 19.0

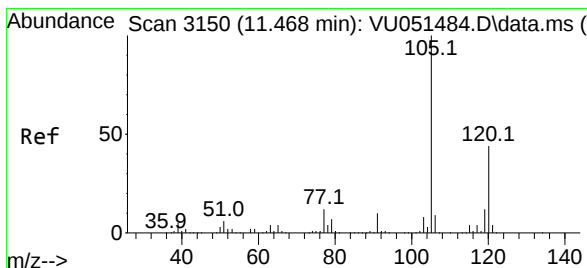
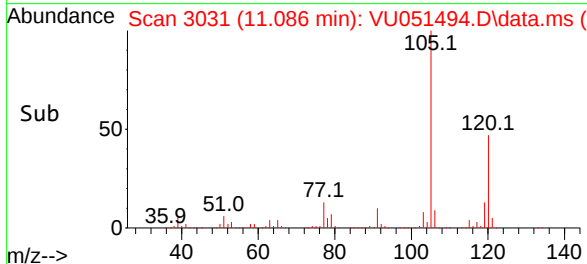
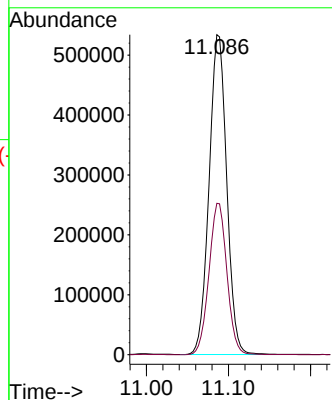
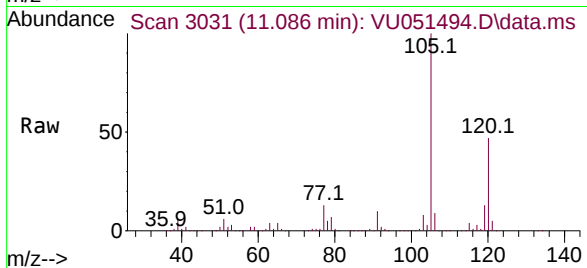




#62
1,3,5-Trimethylbenzene
Concen: 52.376 ug/L
RT: 11.086 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

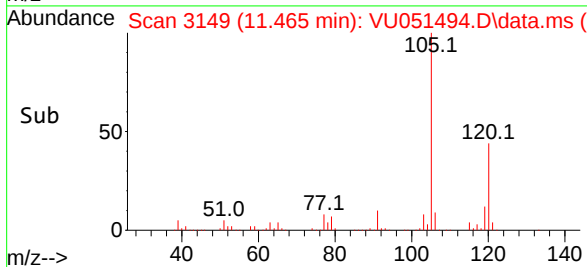
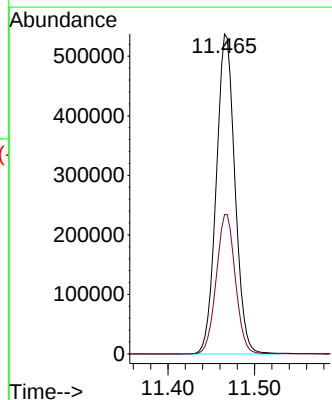
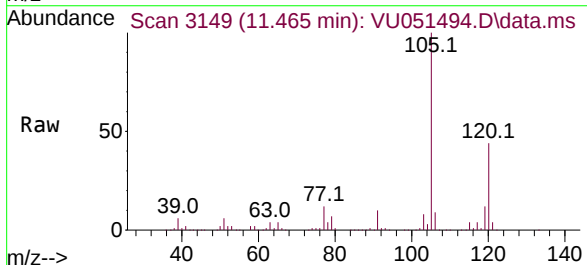
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

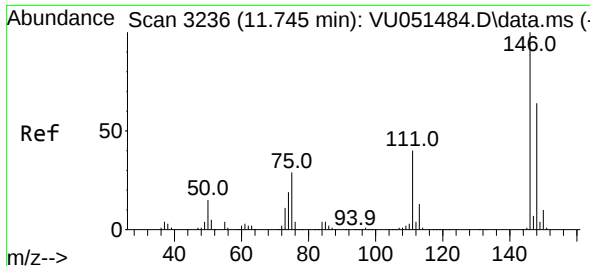
Tgt Ion:105 Resp: 797737
Ion Ratio Lower Upper
105 100
120 48.1 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 53.568 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU051494.D
Acq: 25 Oct 2022 18:28

Tgt Ion:105 Resp: 803372
Ion Ratio Lower Upper
105 100
120 44.7 35.4 53.0

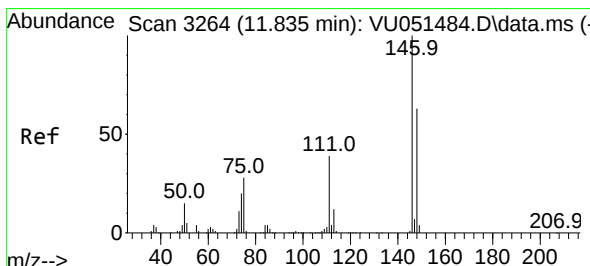
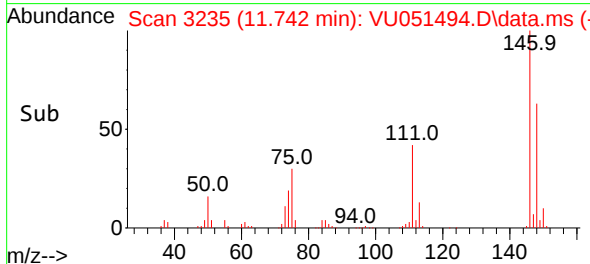
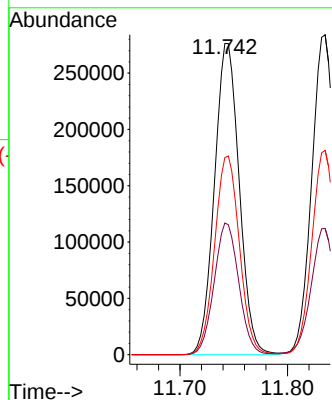
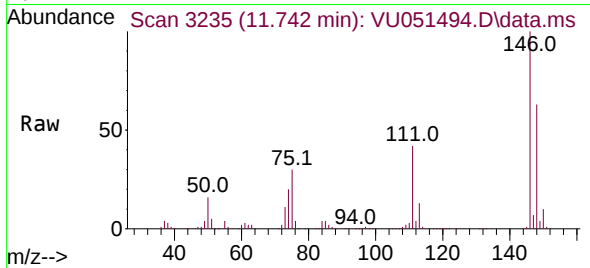




#64
 1,3-Dichlorobenzene
 Concen: 48.464 ug/L
 RT: 11.742 min Scan# 3235
 Delta R.T. -0.003 min
 Lab File: VU051494.D
 Acq: 25 Oct 2022 18:28

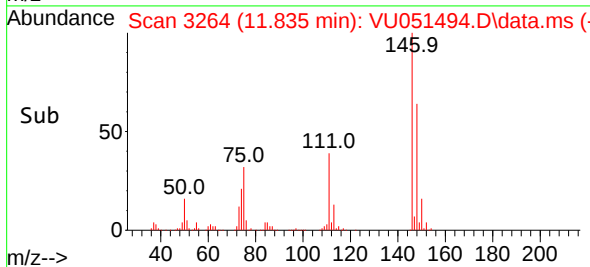
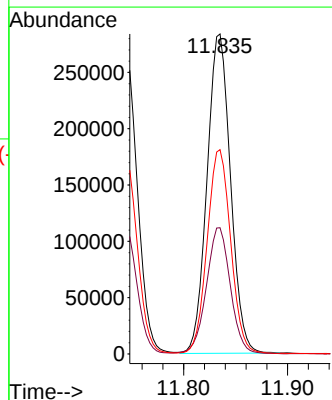
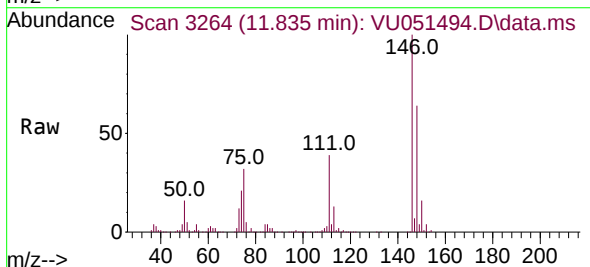
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050117

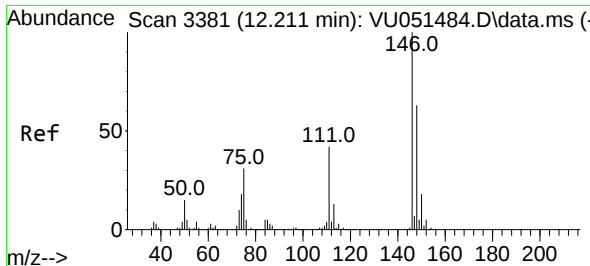
Tgt Ion:146 Resp: 443553
 Ion Ratio Lower Upper
 146 100
 111 42.3 28.7 53.3
 148 63.4 43.2 80.2



#65
 1,4-Dichlorobenzene
 Concen: 47.245 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.000 min
 Lab File: VU051494.D
 Acq: 25 Oct 2022 18:28

Tgt Ion:146 Resp: 444681
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.9 53.7
 148 63.9 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 48.532 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

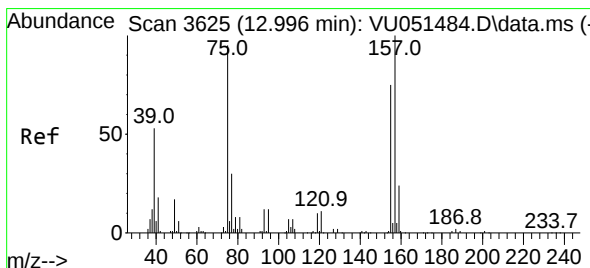
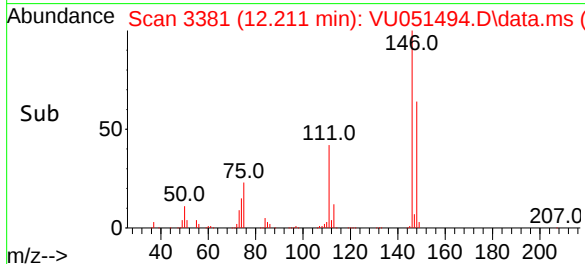
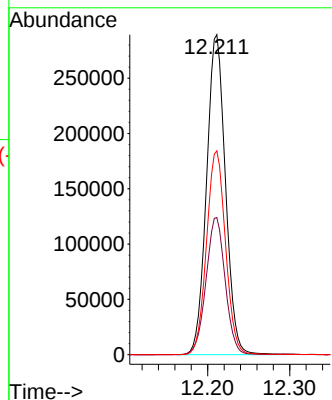
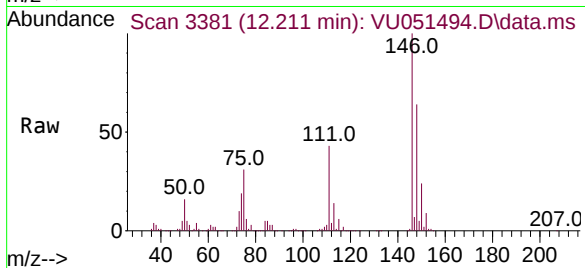
Tgt Ion:146 Resp: 462685

Ion Ratio Lower Upper

146 100

111 42.8 35.3 52.9

148 63.7 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 46.277 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

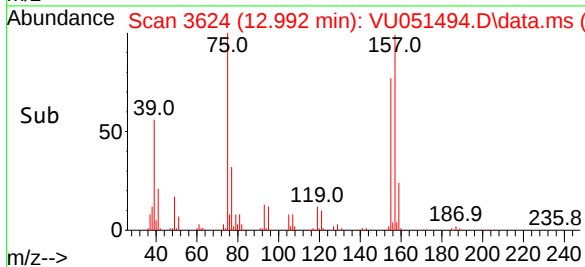
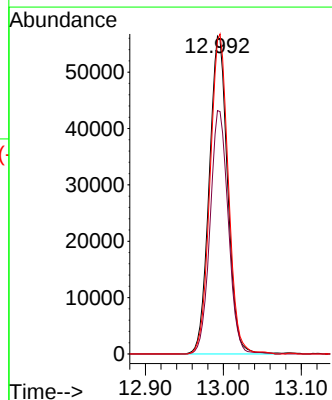
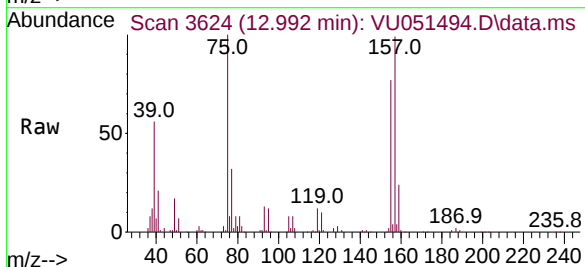
Tgt Ion: 75 Resp: 92415

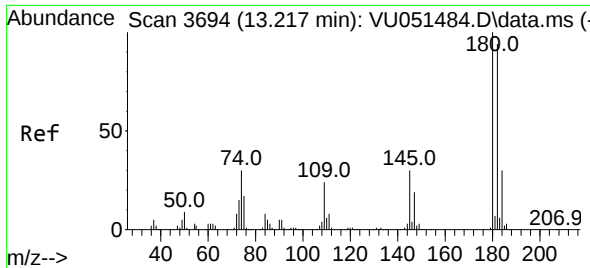
Ion Ratio Lower Upper

75 100

155 76.5 62.5 93.7

157 98.8 81.6 122.4



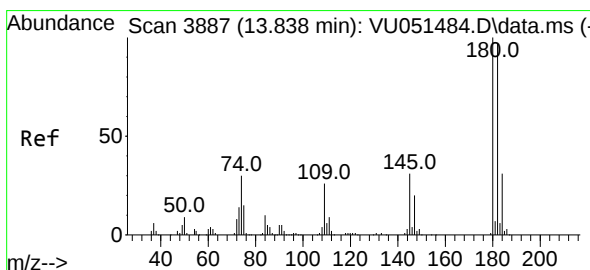
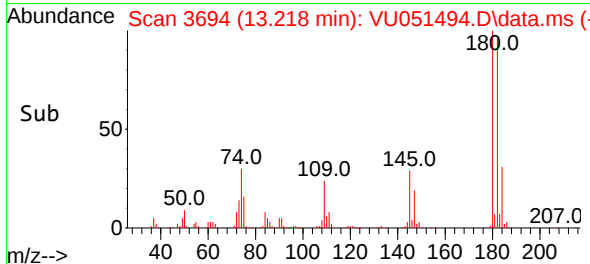
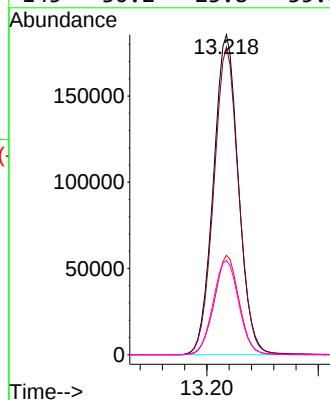
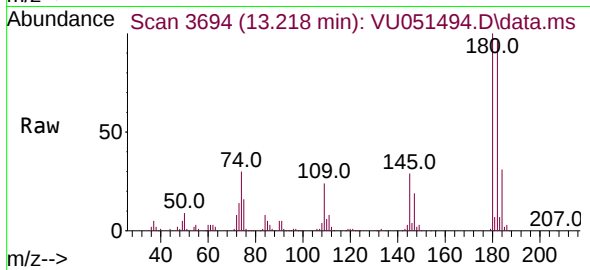


#69
 1,3,5-Trichlorobenzene
 Concen: 47.148 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051494.D
 Acq: 25 Oct 2022 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050117

Tgt Ion:180 Resp: 289470

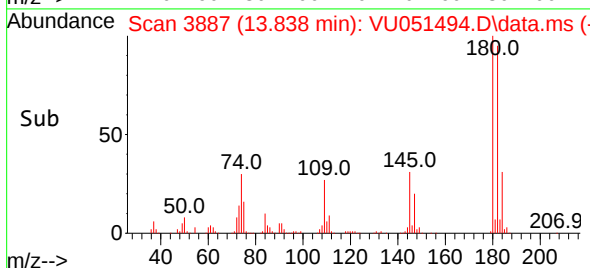
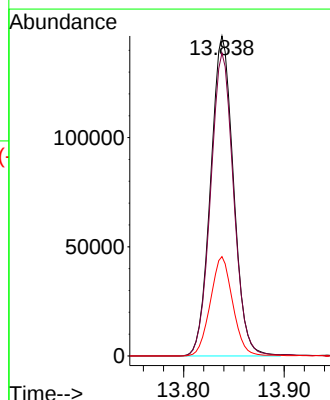
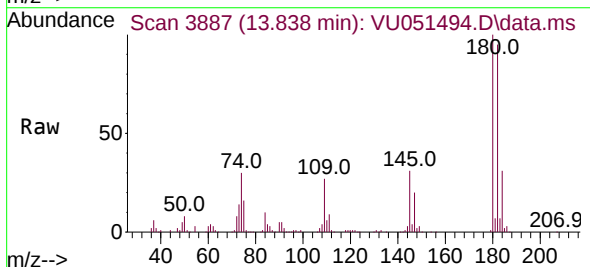
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.6	113.4
184	30.6	23.9	35.9
145	30.2	23.8	35.8

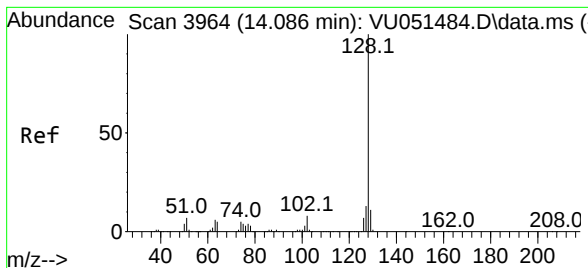


#70
 1,2,4-trichlorobenzene
 Concen: 49.073 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051494.D
 Acq: 25 Oct 2022 18:28

Tgt Ion:180 Resp: 231962

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
145	30.3	25.0	37.6





#71

Naphthalene

Concen: 53.963 ug/L

RT: 14.082 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

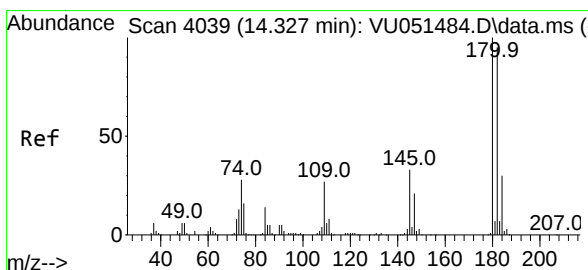
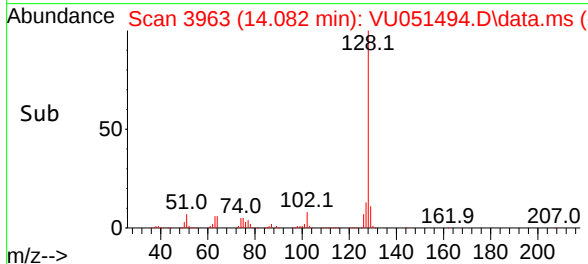
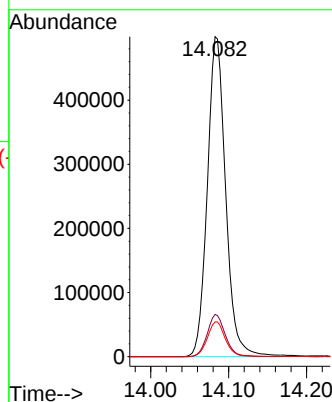
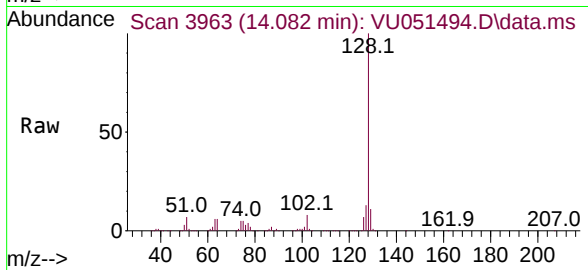
Tgt Ion:128 Resp: 816405

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.483 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051494.D

Acq: 25 Oct 2022 18:28

Tgt Ion:180 Resp: 261227

Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.2

145 32.8 25.3 37.9

