

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090322\
 Data File : U050604.D
 Acq On : 03 Sep 2022 11:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

Quant Time: Sep 05 01:02:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 03 02:16:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	292323	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	275125	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	126968	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99808	39.919	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.840%
7) Chloroethane-d5	1.906	69	70383	41.628	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.260%
11) 1,1-Dichloroethene-d2	2.568	63	194666	44.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.120%
21) 2-Butanone-d5	4.629	46	168664	92.203	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.200%
24) Chloroform-d	5.063	84	226149	47.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.440%
26) 1,2-Dichloroethane-d4	5.703	65	137879	47.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.220%
32) Benzene-d6	5.729	84	443707	48.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.690	67	142434	47.715	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.440%
41) Toluene-d8	7.899	98	394784	50.776	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.560%
43) trans-1,3-Dichloroprop...	8.182	79	57090	46.223	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.440%
47) 2-Hexanone-d5	8.636	63	81079	107.982	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.980%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	214816	47.554	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.100%
66) 1,2-Dichlorobenzene-d4	12.195	152	141180	47.500	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	136245	48.524	ug/L	100
3) Chloromethane	1.520	50	118891	39.188	ug/L	96
5) Vinyl chloride	1.604	62	117966	41.270	ug/L	100
6) Bromomethane	1.854	94	62151	43.115	ug/L	100
8) Chloroethane	1.928	64	64927	42.767	ug/L	98
9) Trichlorofluoromethane	2.134	101	164789	47.319	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	102020	44.658	ug/L	98
12) 1,1-Dichloroethene	2.578	96	103622	46.683	ug/L	98
13) Acetone	2.636	43	117911	85.449	ug/L	99
14) Carbon disulfide	2.793	76	312499	47.476	ug/L	99
15) Methyl Acetate	2.951	43	127955	43.845	ug/L	98
16) Methylene chloride	3.044	84	128905	44.250	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	112975	47.997	ug/L	94
18) Methyl tert-butyl Ether	3.362	73	355193	48.670	ug/L	98
19) 1,1-Dichloroethane	3.867	63	209505	46.134	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	127767	48.109	ug/L	96
22) 2-Butanone	4.706	43	189927	88.000	ug/L	94
23) Bromochloromethane	4.976	128	65855	47.987	ug/L	90
25) Chloroform	5.089	83	223339	48.272	ug/L	99

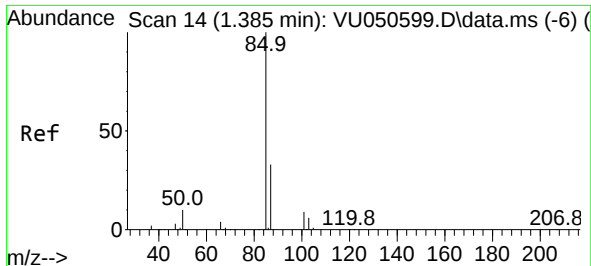
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090322\
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 Quant Title : VOC Analysis
 QLast Update : Sat Sep 03 02:16:26 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	165378	48.227	ug/L	97
29) Cyclohexane	5.388	56	181134	49.160	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	188692	50.920	ug/L	99
31) Carbon tetrachloride	5.526	117	160603	52.899	ug/L	99
33) Benzene	5.774	78	499260	49.863	ug/L	100
34) Trichloroethene	6.542	95	119469	51.208	ug/L	99
35) Methylcyclohexane	6.764	83	181385	48.903	ug/L	97
37) 1,2-Dichloropropane	6.790	63	128774	48.690	ug/L	99
38) Bromodichloromethane	7.105	83	161464	51.899	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	167495	46.788	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	335016	92.955	ug/L	97
42) Toluene	7.970	91	512891	50.429	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	154409	45.972	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	124009	48.810	ug/L	99
46) Tetrachloroethene	8.555	164	88407	51.882	ug/L	100
48) 2-Hexanone	8.687	43	293833	87.358	ug/L	97
49) Dibromochloromethane	8.809	129	128697	53.109	ug/L	99
50) 1,2-Dibromoethane	8.925	107	131723	50.981	ug/L #	97
51) Chlorobenzene	9.446	112	315308	49.952	ug/L	98
52) Ethylbenzene	9.571	91	525845	52.336	ug/L	100
53) m,p-Xylene	9.693	106	200008	51.959	ug/L	99
54) o-Xylene	10.102	106	201560	52.594	ug/L	97
55) Styrene	10.115	104	333535	52.895	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	216068	47.745	ug/L	97
59) Bromoform	10.291	173	94409	49.837	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	170012	45.636	ug/L	98
61) Isopropylbenzene	10.484	105	504663	50.214	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	432002	50.279	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	418330	50.702	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	220740	49.917	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	213734	48.898	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	230758	48.996	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	44712	45.449	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	153488	47.828	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	124928	45.845	ug/L	100
71) Naphthalene	14.085	128	425388	44.029	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	135528	45.927	ug/L	99

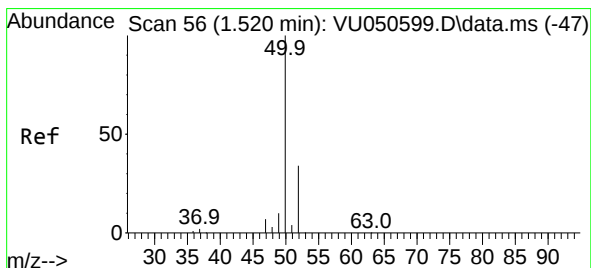
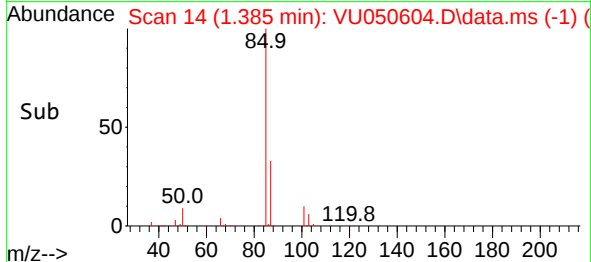
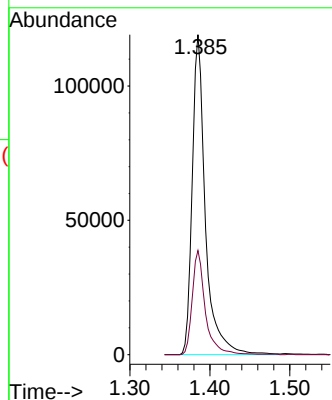
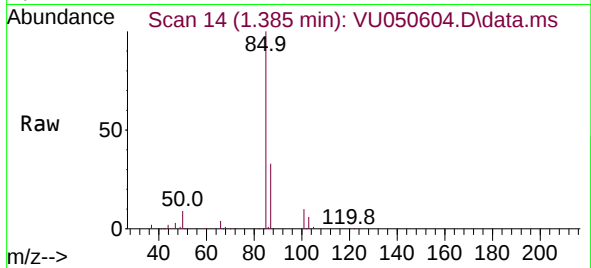
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 48.524 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

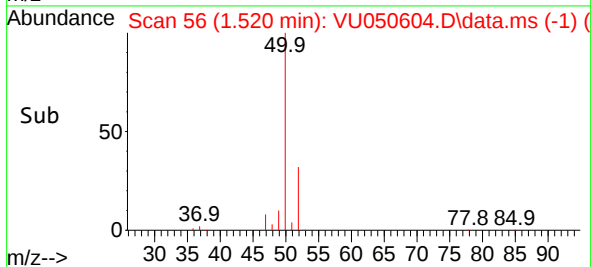
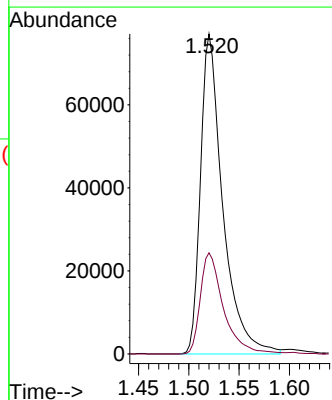
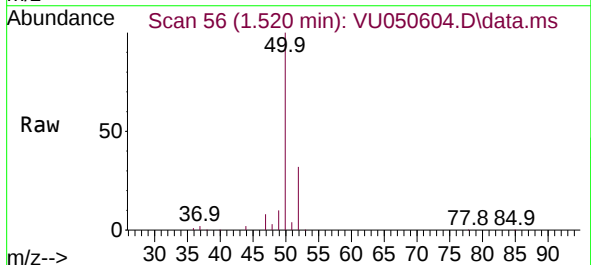
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

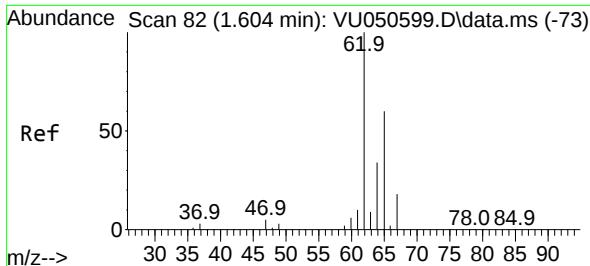
Tgt Ion: 85 Resp: 136245
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.8



#3
Chloromethane
Concen: 39.188 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion: 50 Resp: 118891
Ion Ratio Lower Upper
50 100
52 31.6 23.7 43.9

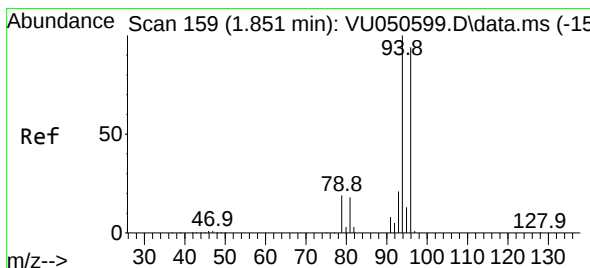
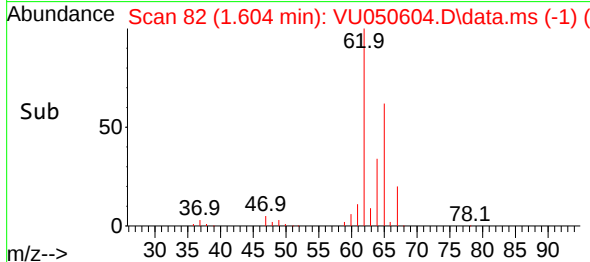
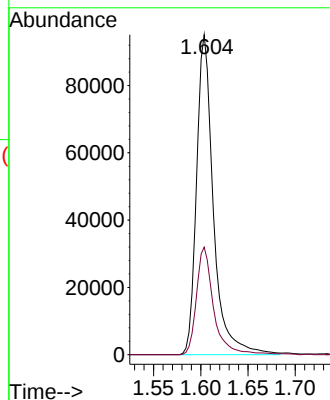
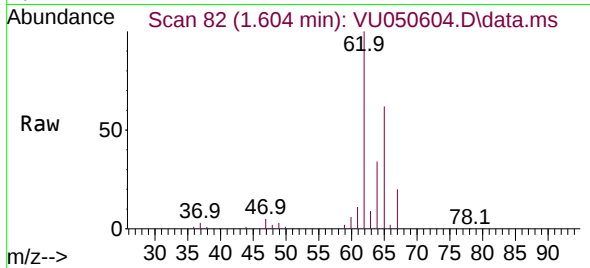




#5
 Vinyl chloride
 Concen: 41.270 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

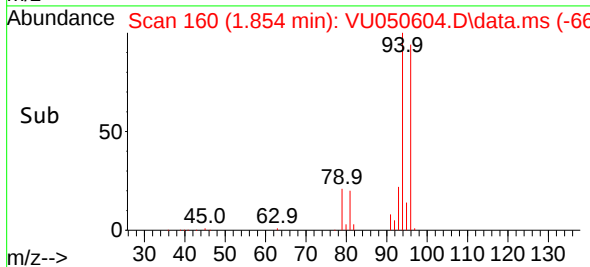
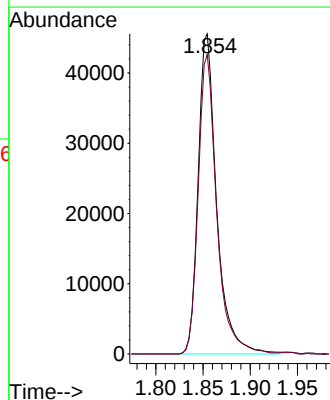
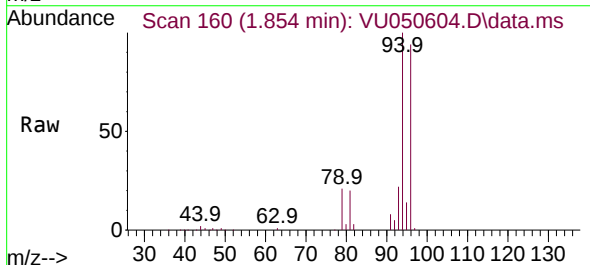
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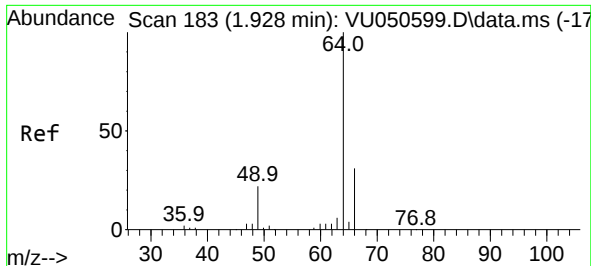
Tgt Ion: 62 Resp: 117966
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.5 43.7



#6
 Bromomethane
 Concen: 43.115 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

Tgt Ion: 94 Resp: 62151
 Ion Ratio Lower Upper
 94 100
 96 93.6 65.6 121.8

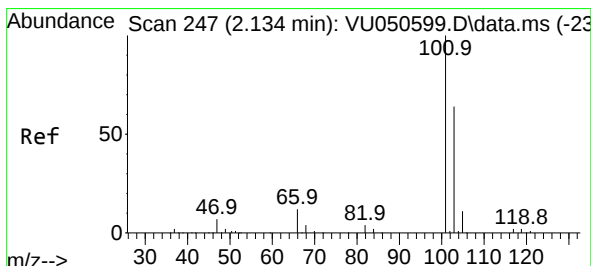
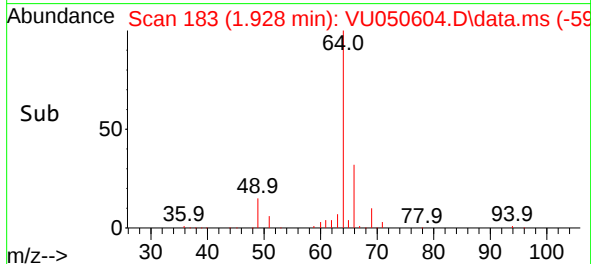
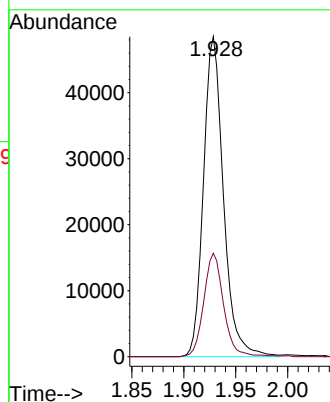
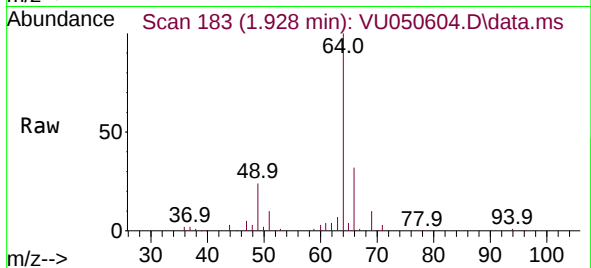




#8
Chloroethane
Concen: 42.767 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

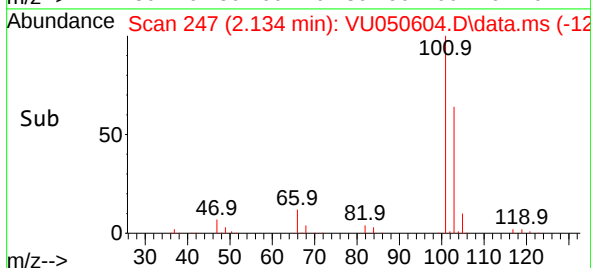
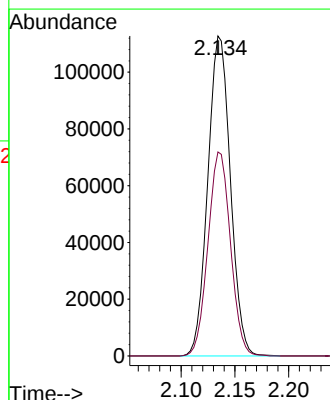
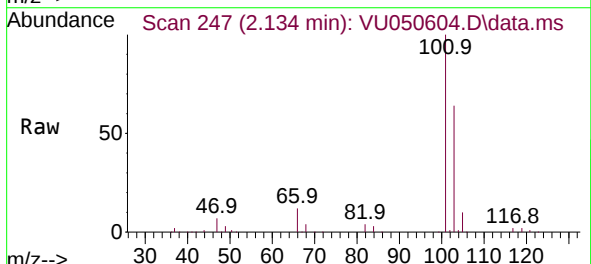
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ClientSampleId :
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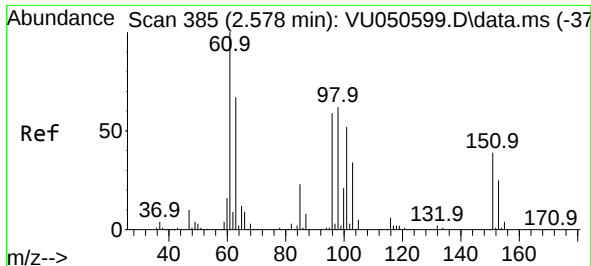
Tgt Ion: 64 Resp: 64927
Ion Ratio Lower Upper
64 100
66 32.4 21.9 40.7



#9
Trichlorofluoromethane
Concen: 47.319 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion:101 Resp: 164789
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.0

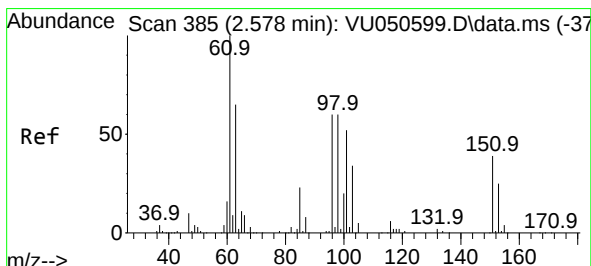
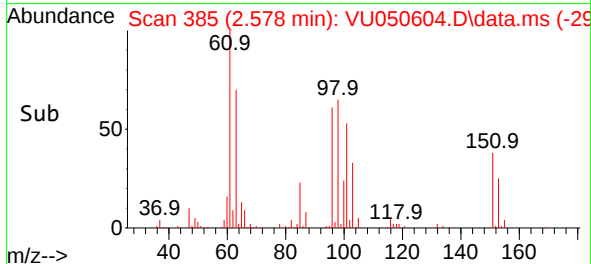
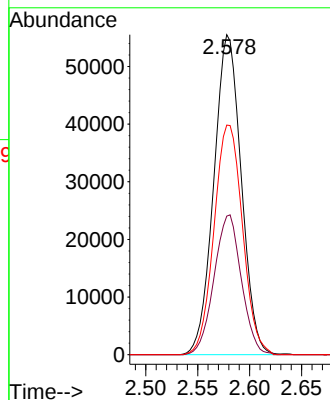
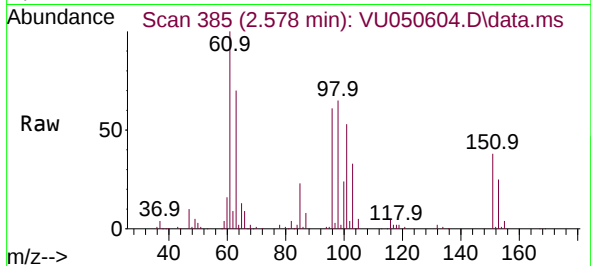




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.658 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

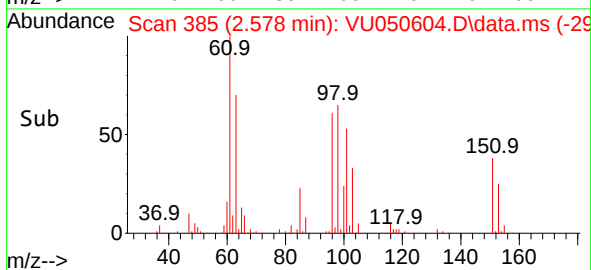
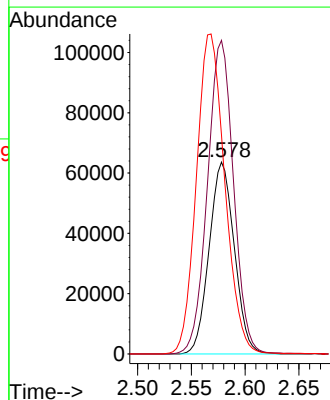
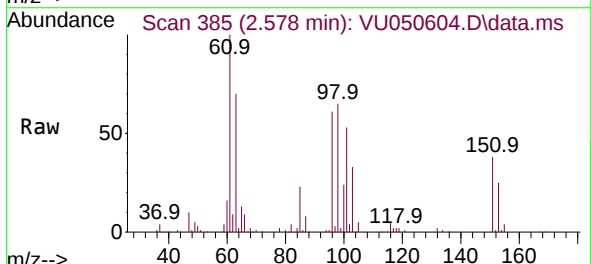
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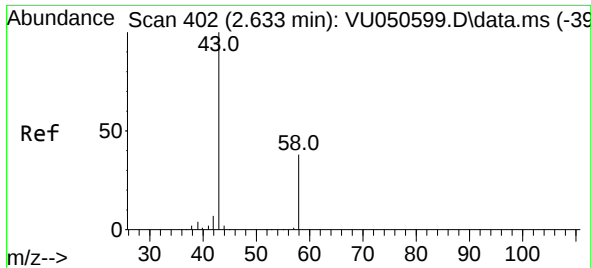
Tgt Ion:101 Resp: 102020
 Ion Ratio Lower Upper
 101 100
 85 43.5 34.4 51.6
 151 74.5 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 46.683 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

Tgt Ion: 96 Resp: 103622
 Ion Ratio Lower Upper
 96 100
 61 163.5 118.0 219.1
 63 114.2 79.5 147.7





#13

Acetone

Concen: 85.449 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

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MSVOA_U

ClientSampleId :

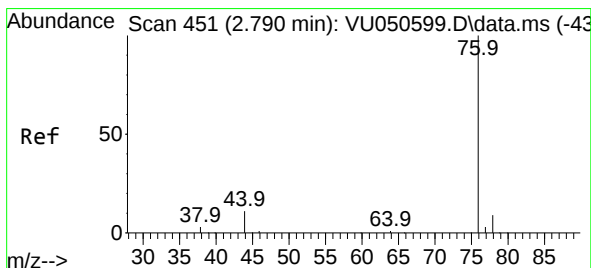
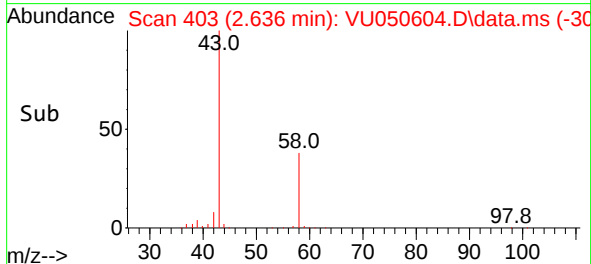
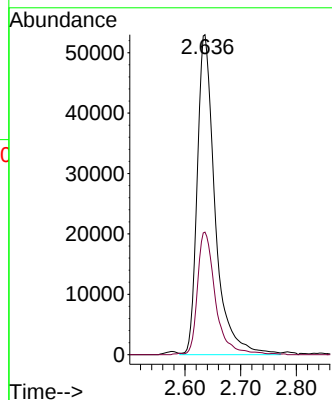
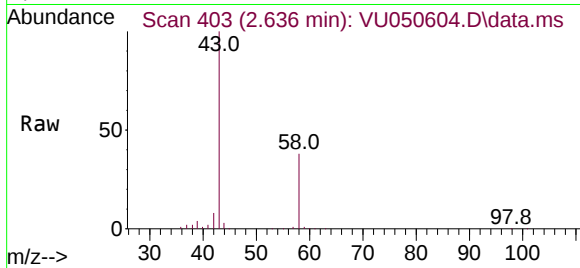
VSTD050188

Tgt Ion: 43 Resp: 117911

Ion Ratio Lower Upper

43 100

58 37.3 0.0 76.2



#14

Carbon disulfide

Concen: 47.476 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU050604.D

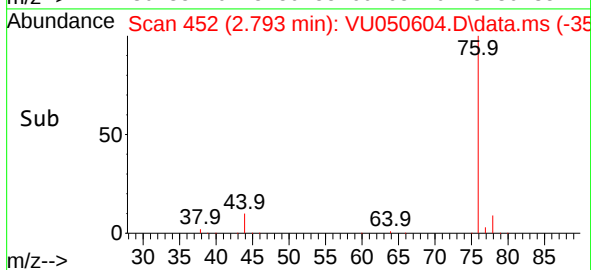
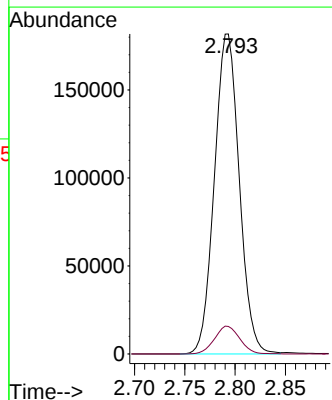
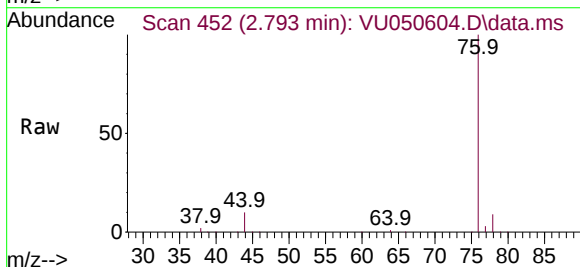
Acq: 03 Sep 2022 11:37

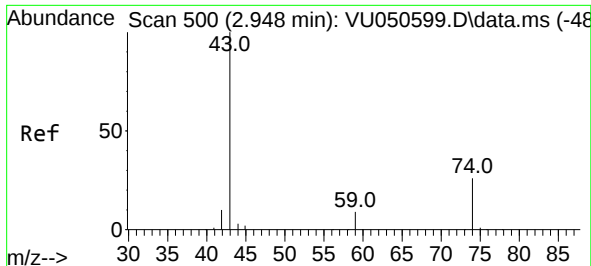
Tgt Ion: 76 Resp: 312499

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

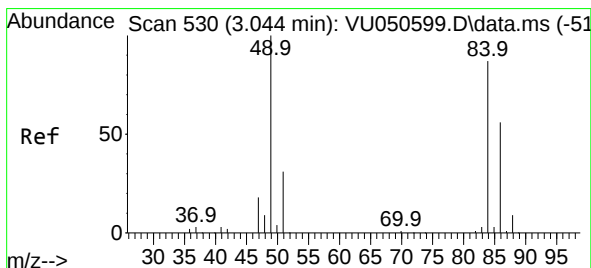
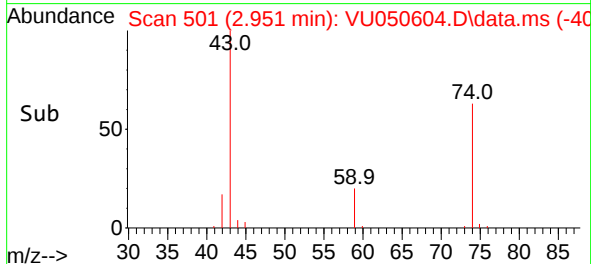
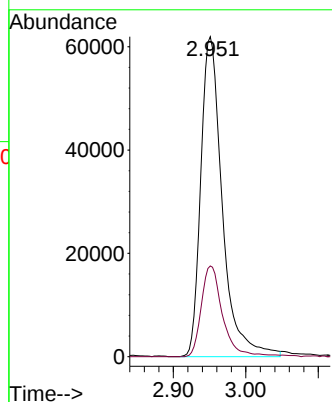
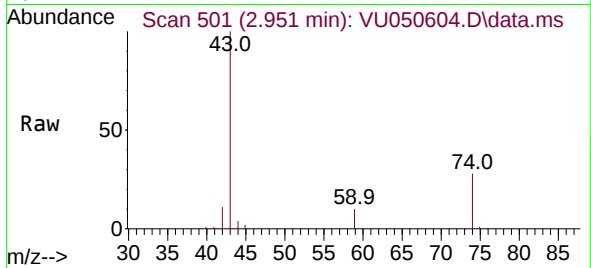




#15
Methyl Acetate
Concen: 43.845 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

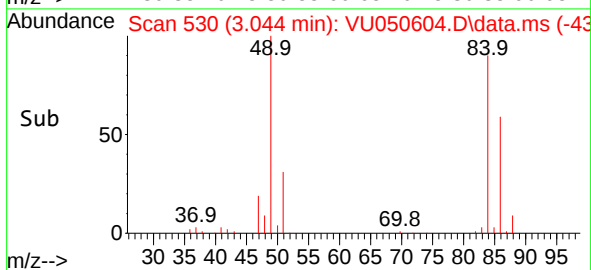
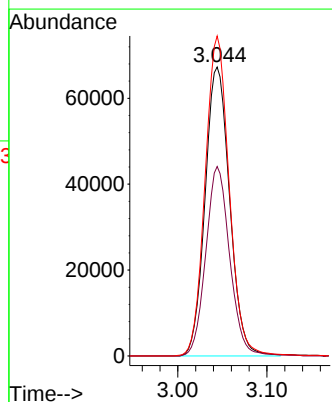
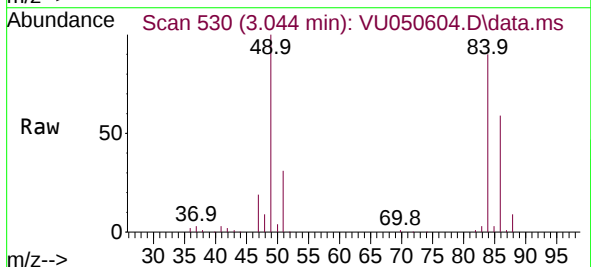
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

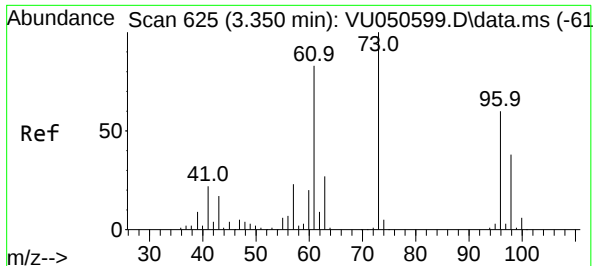
Tgt Ion: 43 Resp: 127955
Ion Ratio Lower Upper
43 100
74 27.3 21.2 31.8



#16
Methylene chloride
Concen: 44.250 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion: 84 Resp: 128905
Ion Ratio Lower Upper
84 100
86 65.6 44.8 83.2
49 110.7 80.6 149.8





#17

trans-1,2-Dichloroethene

Concen: 47.997 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050188

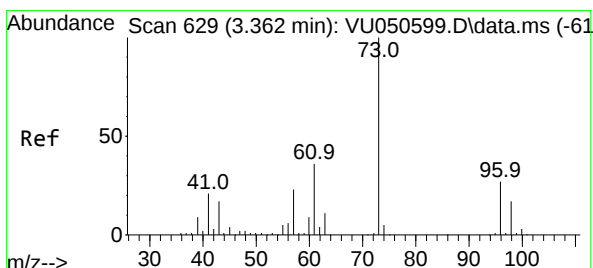
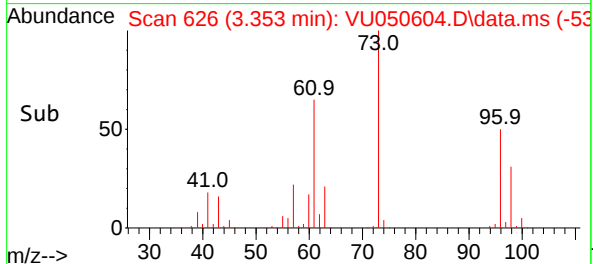
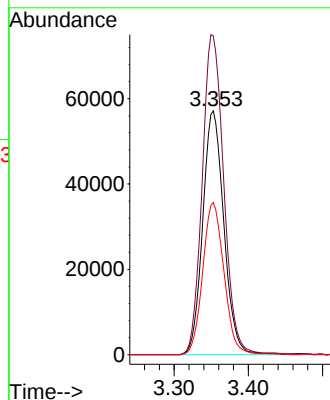
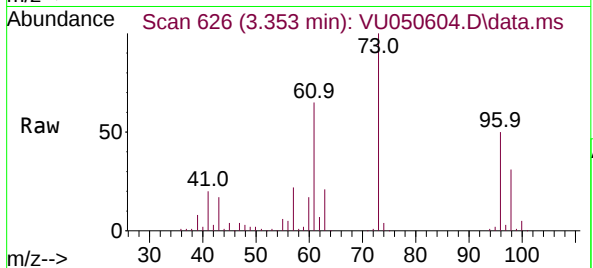
Tgt Ion: 96 Resp: 112975

Ion Ratio Lower Upper

96 100

61 130.7 97.9 181.7

98 62.4 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 48.670 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

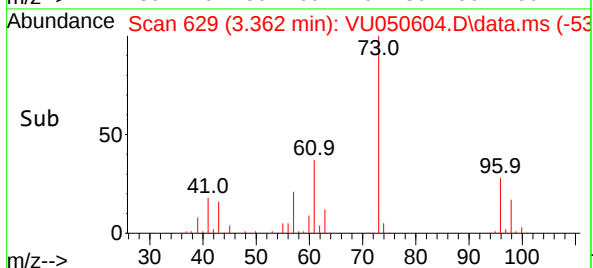
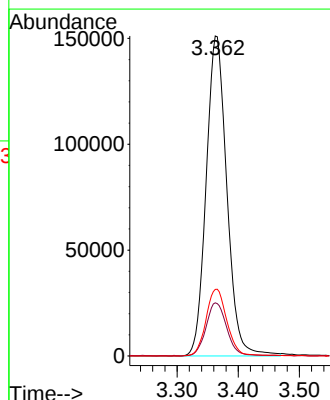
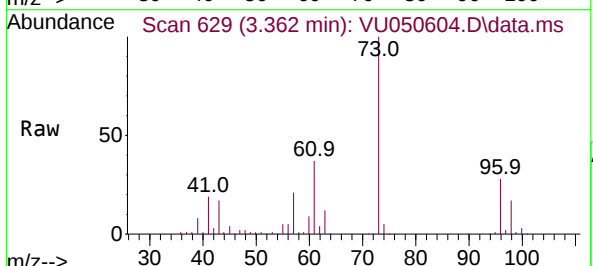
Tgt Ion: 73 Resp: 355193

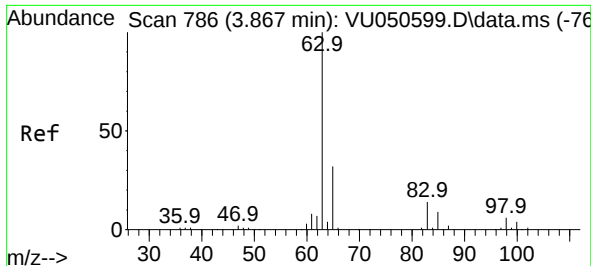
Ion Ratio Lower Upper

73 100

43 16.7 13.4 20.2

57 21.1 17.8 26.8





#19

1,1-Dichloroethane

Concen: 46.134 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050188

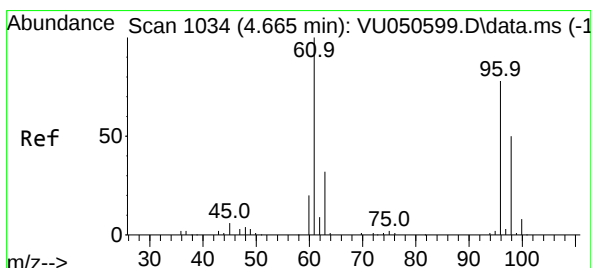
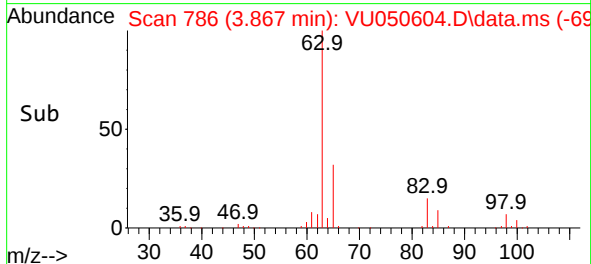
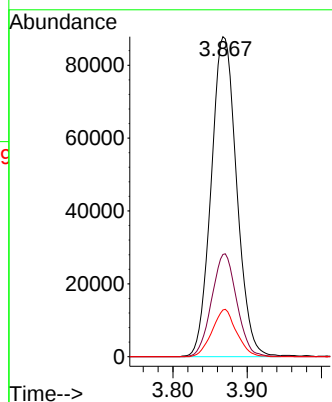
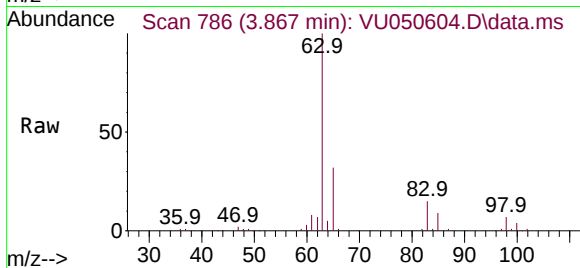
Tgt Ion: 63 Resp: 209505

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 14.6 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 48.109 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

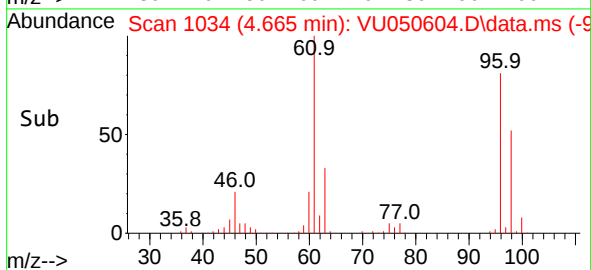
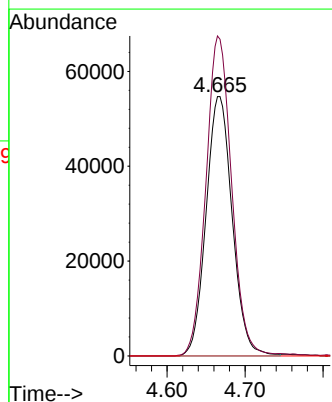
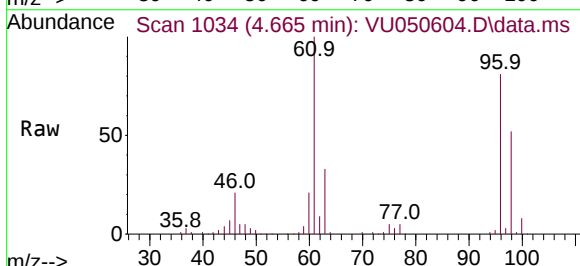
Tgt Ion: 96 Resp: 127767

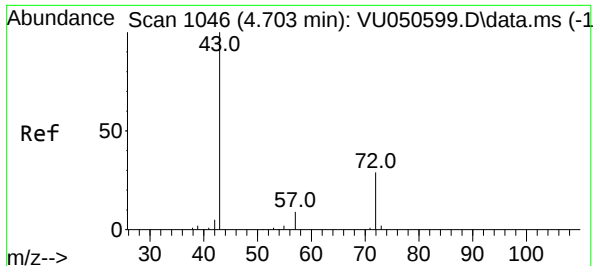
Ion Ratio Lower Upper

96 100

61 123.4 89.8 166.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 88.000 ug/L

RT: 4.706 min Scan# 110

Delta R.T. 0.003 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Instrument :

MSVOA_U

ClientSampleId :

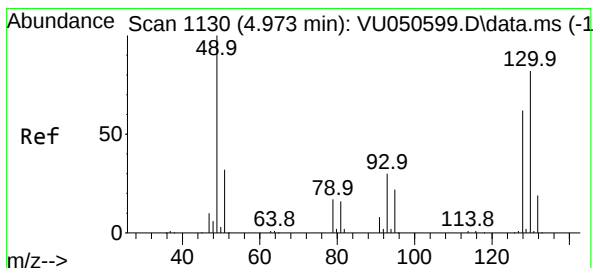
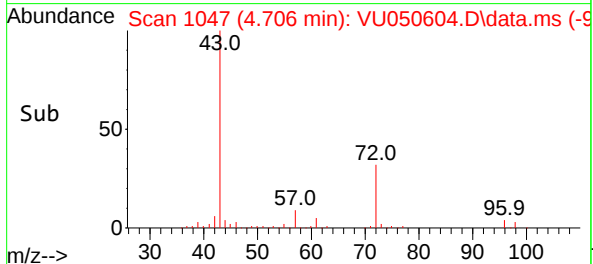
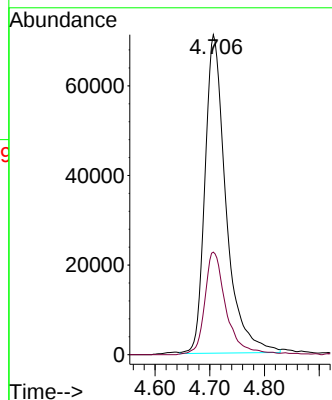
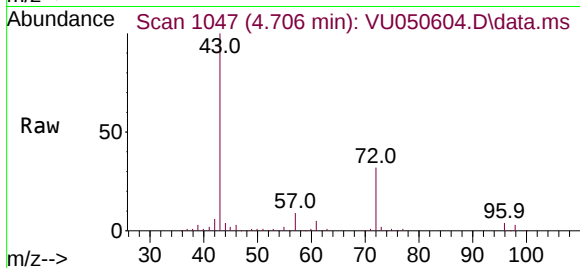
VSTD050188

Tgt Ion: 43 Resp: 189927

Ion Ratio Lower Upper

43 100

72 32.5 14.6 44.0



#23

Bromochloromethane

Concen: 47.987 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Tgt Ion: 128 Resp: 65855

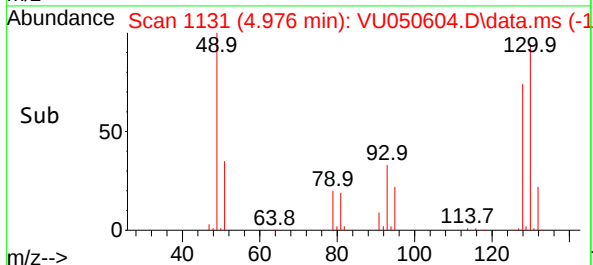
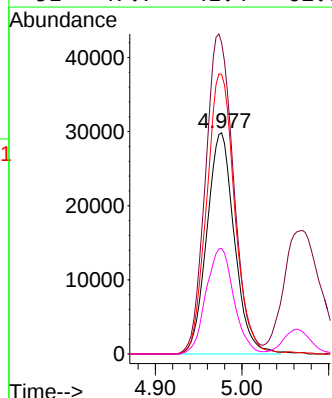
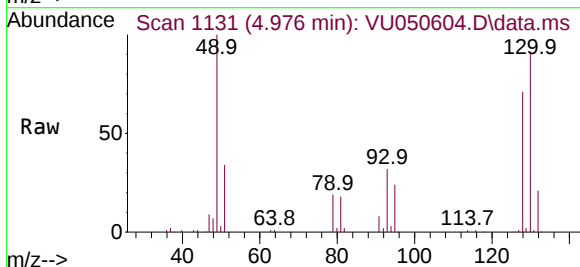
Ion Ratio Lower Upper

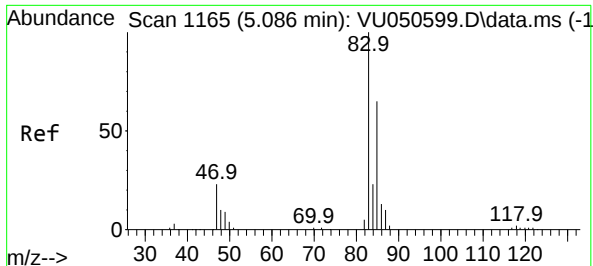
128 100

49 140.6 112.5 208.9

130 126.4 91.8 170.4

51 47.7 41.4 62.0





#25

Chloroform

Concen: 48.272 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Instrument :

MSVOA_U

ClientSampleId :

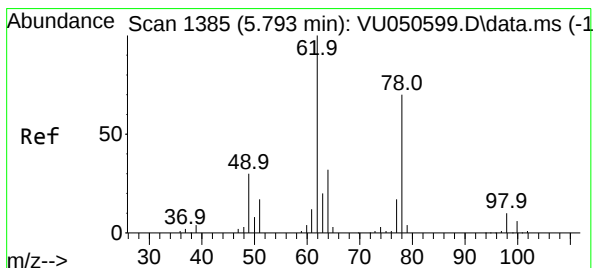
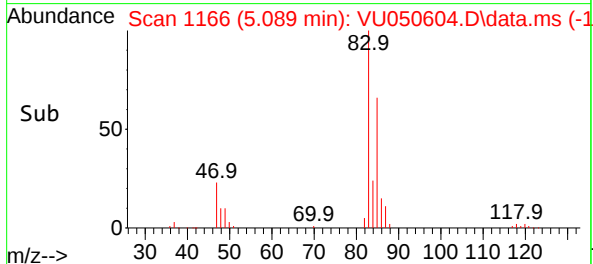
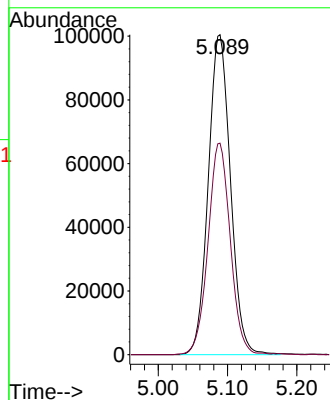
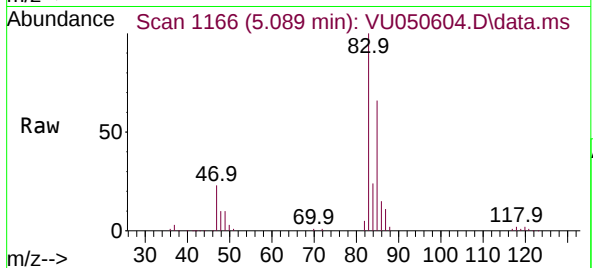
VSTD050188

Tgt Ion: 83 Resp: 223339

Ion Ratio Lower Upper

83 100

85 66.1 45.6 84.8



#27

1,2-Dichloroethane

Concen: 48.227 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU050604.D

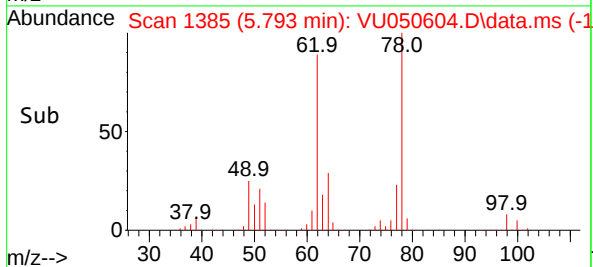
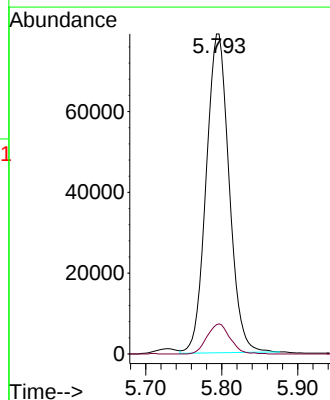
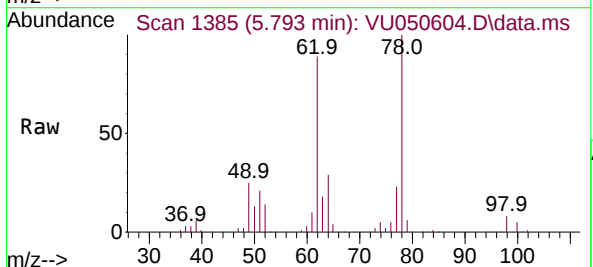
Acq: 03 Sep 2022 11:37

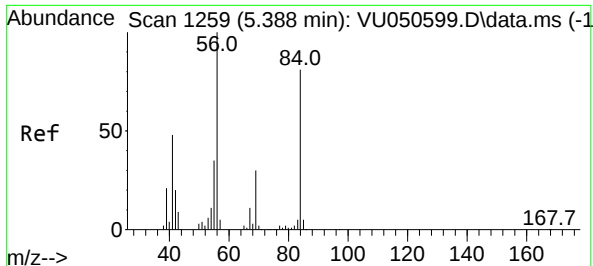
Tgt Ion: 62 Resp: 165378

Ion Ratio Lower Upper

62 100

98 9.1 8.2 12.2





#29

Cyclohexane

Concen: 49.160 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050188

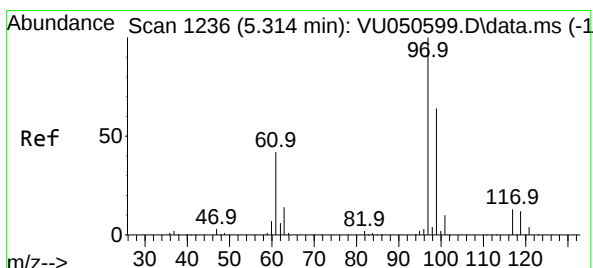
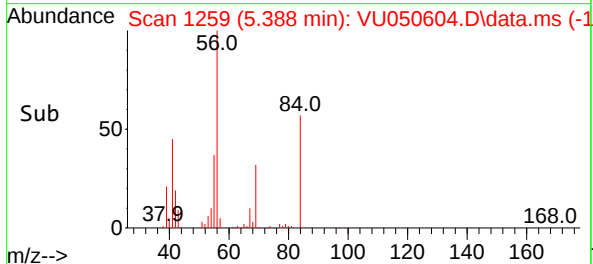
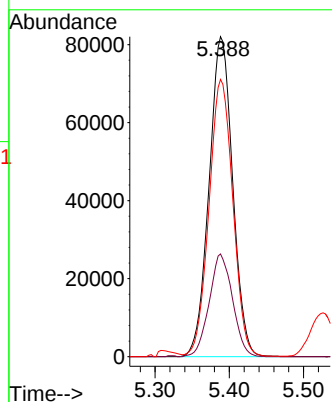
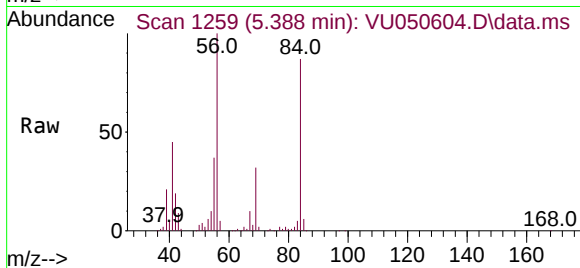
Tgt Ion: 56 Resp: 181134

Ion Ratio Lower Upper

56 100

69 31.6 24.6 37.0

84 87.3 67.4 101.2



#30

1,1,1-Trichloroethane

Concen: 50.920 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

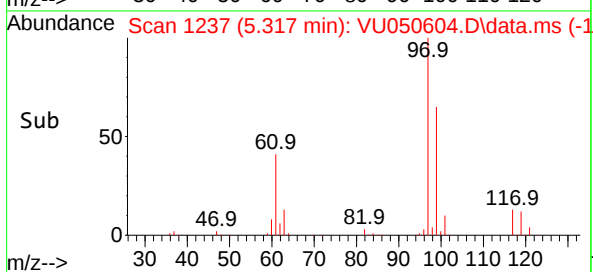
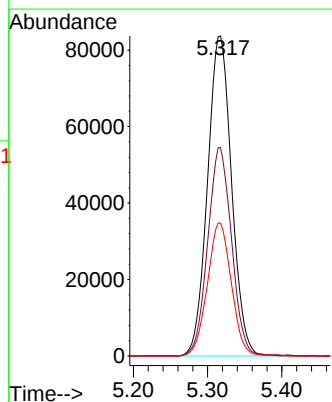
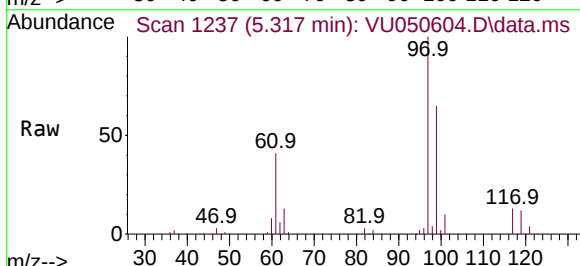
Tgt Ion: 97 Resp: 188692

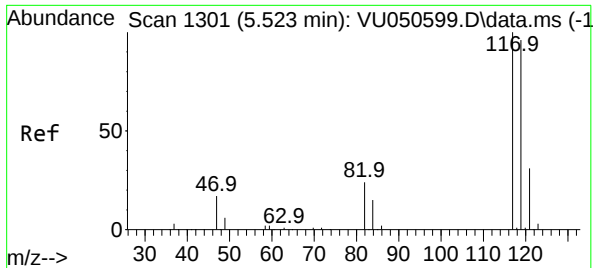
Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

61 41.3 34.2 51.4

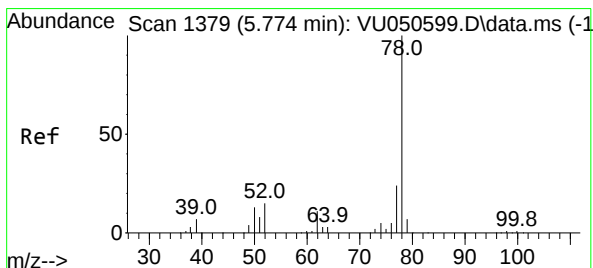
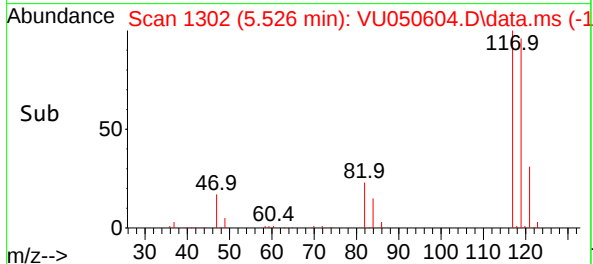
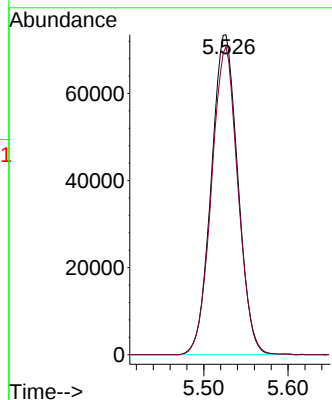
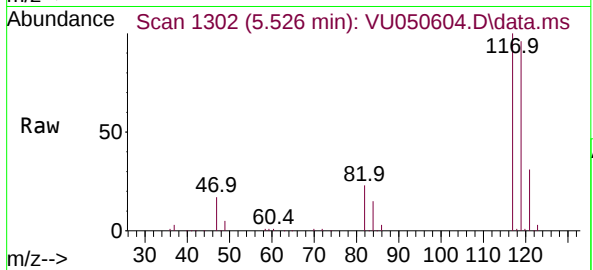




#31
Carbon tetrachloride
Concen: 52.899 ug/L
RT: 5.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

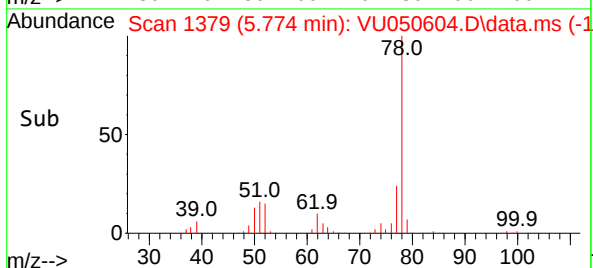
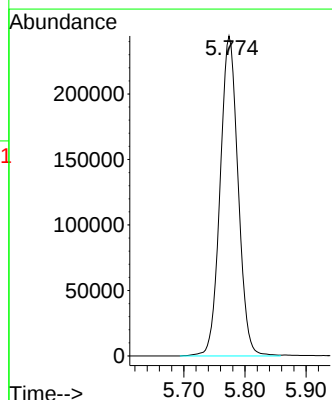
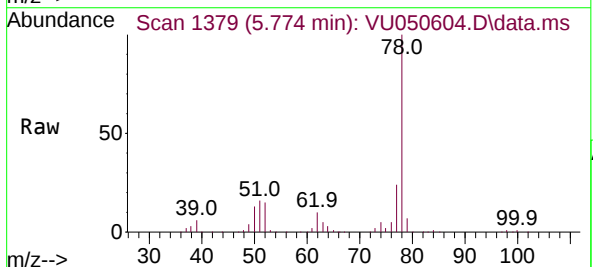
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

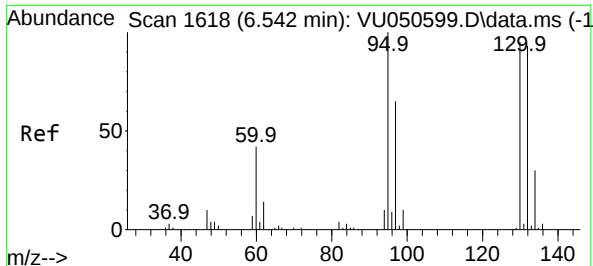
Tgt Ion:117 Resp: 160603
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.2



#33
Benzene
Concen: 49.863 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion: 78 Resp: 499260

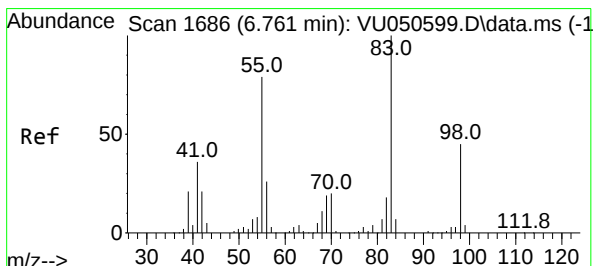
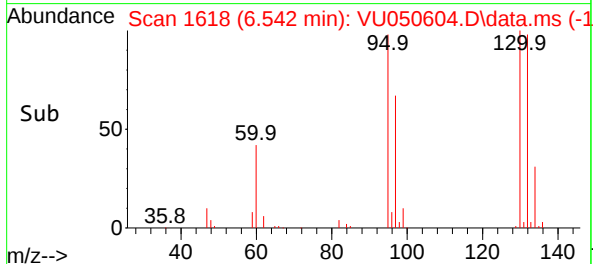
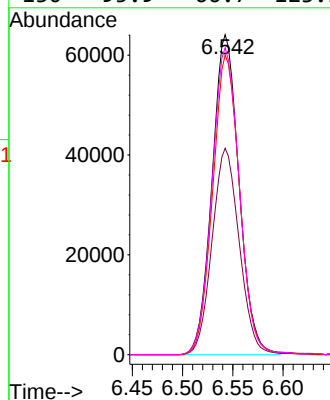
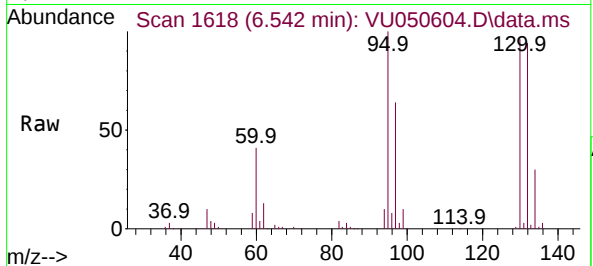




#34
Trichloroethene
Concen: 51.208 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

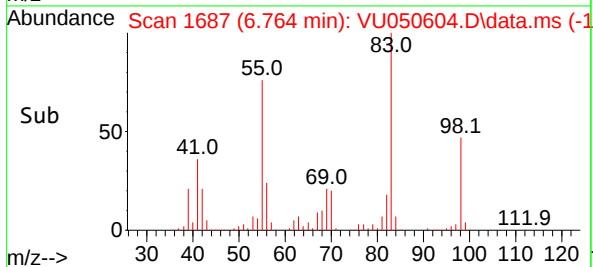
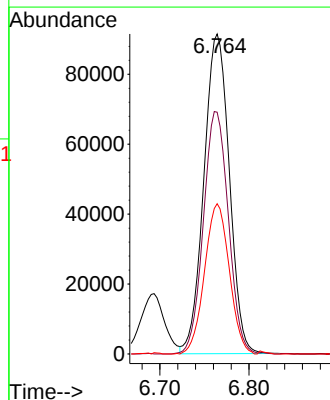
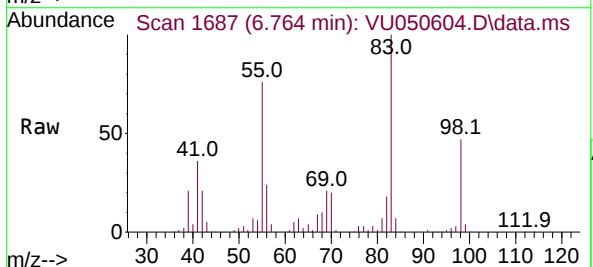
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

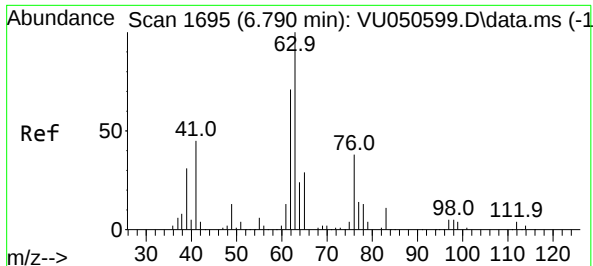
Tgt Ion: 95 Resp: 119469
Ion Ratio Lower Upper
95 100
97 64.5 45.4 84.2
132 93.6 65.2 121.2
130 95.9 66.7 123.9



#35
Methylcyclohexane
Concen: 48.903 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion: 83 Resp: 181385
Ion Ratio Lower Upper
83 100
55 74.6 62.6 93.8
98 45.7 35.5 53.3





#37

1,2-Dichloropropane

Concen: 48.690 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Instrument :

MSVOA_U

ClientSampleId :

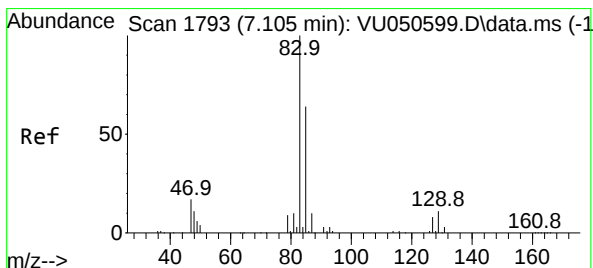
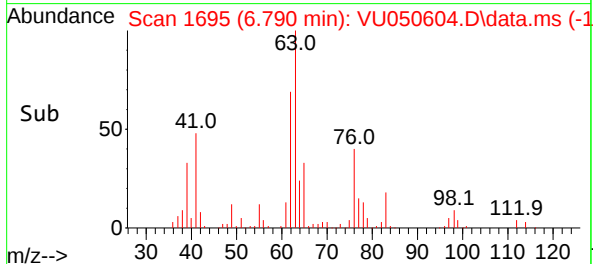
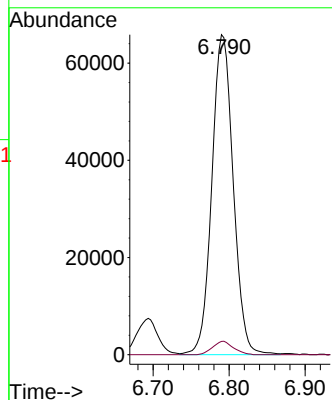
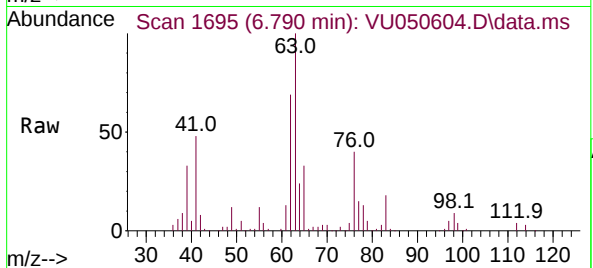
VSTD050188

Tgt Ion: 63 Resp: 128774

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



#38

Bromodichloromethane

Concen: 51.899 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

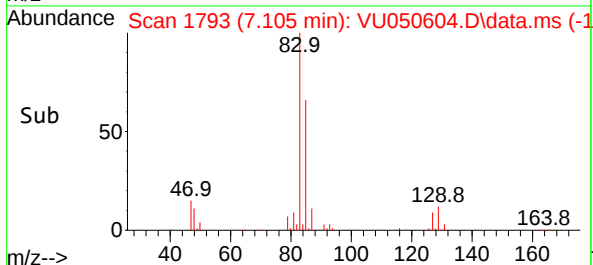
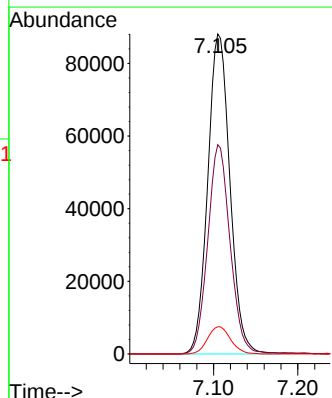
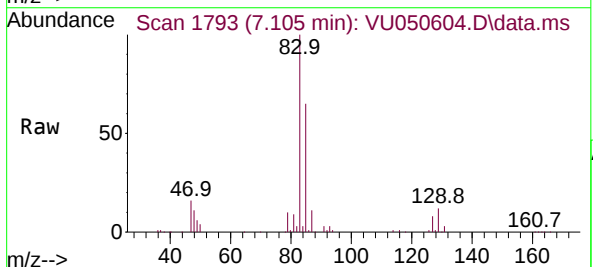
Tgt Ion: 83 Resp: 161464

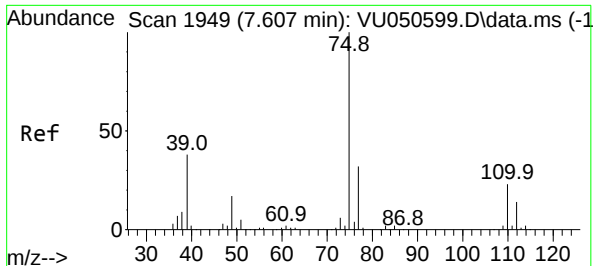
Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.5

127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 46.788 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Instrument :

MSVOA_U

ClientSampleId :

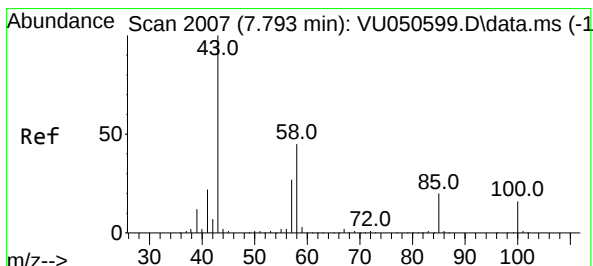
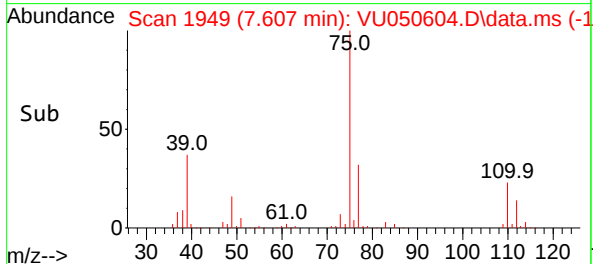
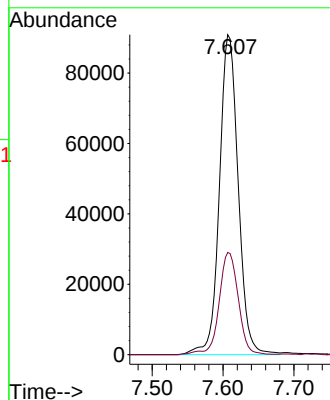
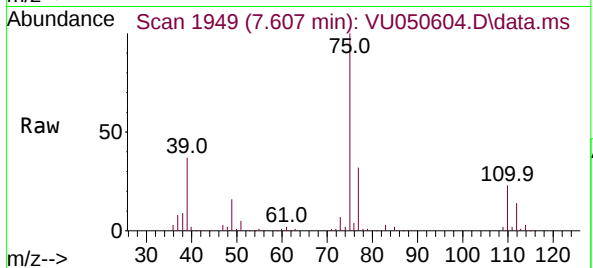
VSTD050188

Tgt Ion: 75 Resp: 167495

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 92.955 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

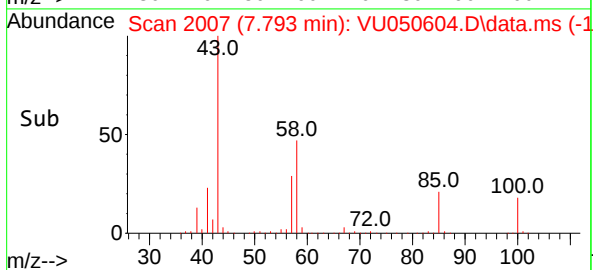
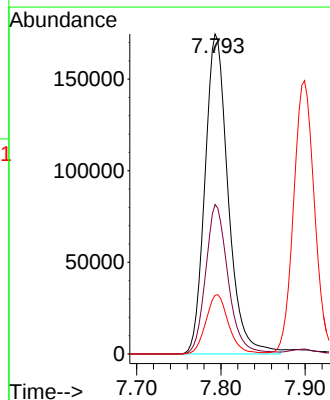
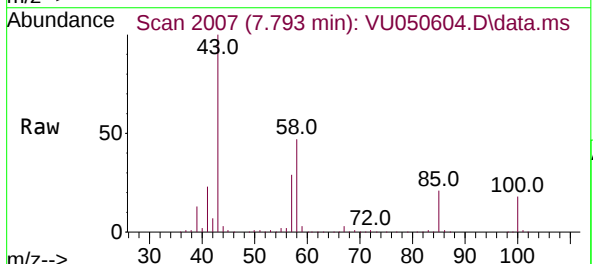
Tgt Ion: 43 Resp: 335016

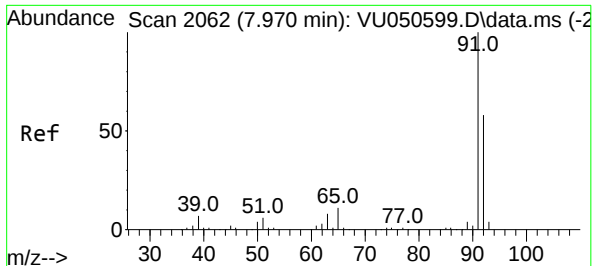
Ion Ratio Lower Upper

43 100

58 45.5 35.1 52.7

100 18.1 12.9 19.3

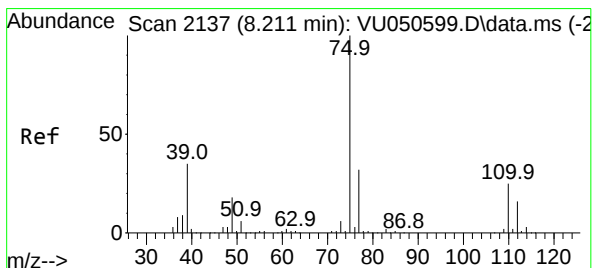
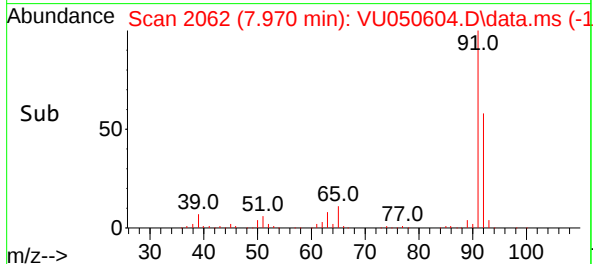
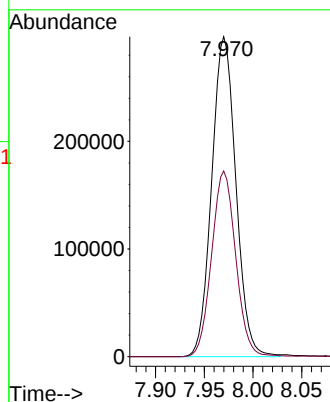
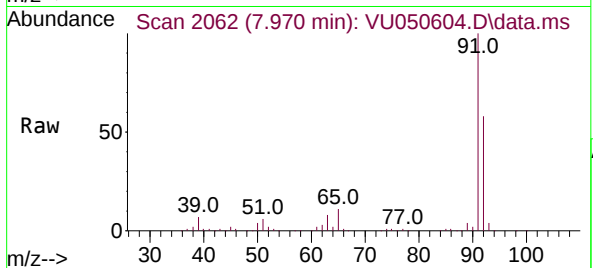




#42
Toluene
Concen: 50.429 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

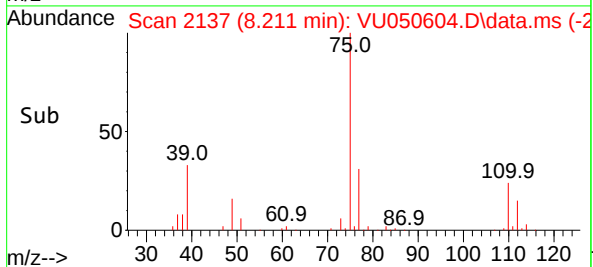
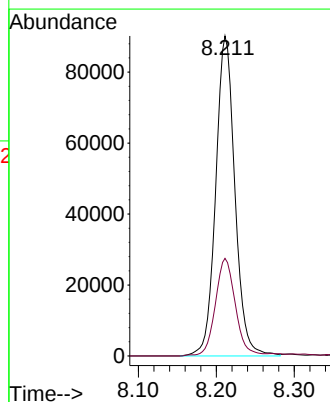
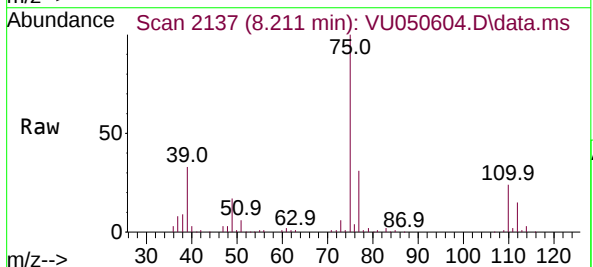
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

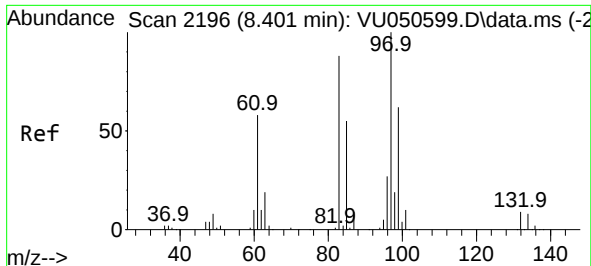
Tgt Ion: 91 Resp: 512891
Ion Ratio Lower Upper
91 100
92 58.1 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 45.972 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion: 75 Resp: 154409
Ion Ratio Lower Upper
75 100
77 30.5 22.1 41.1



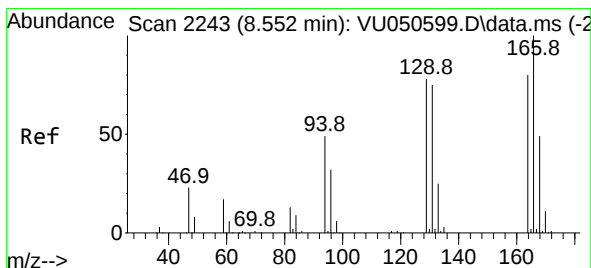
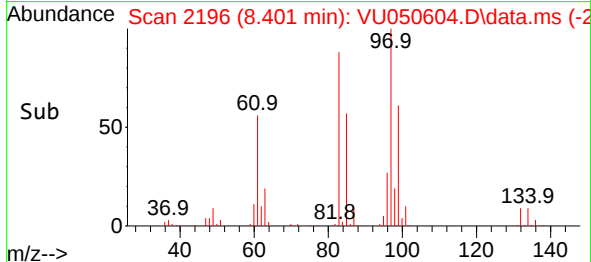
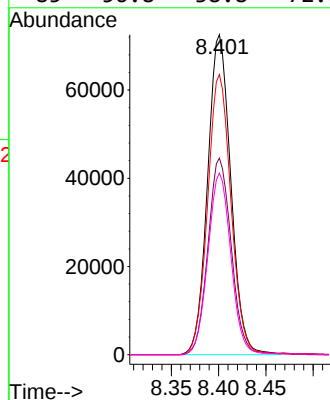
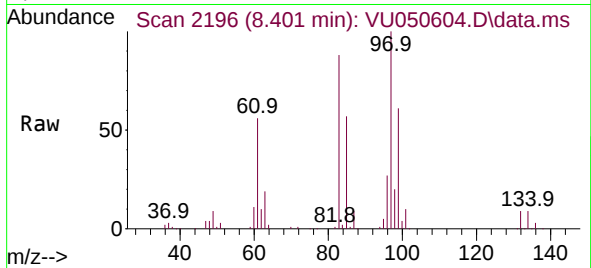


#45
1,1,2-Trichloroethane
Concen: 48.810 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

Tgt Ion: 97 Resp: 124009

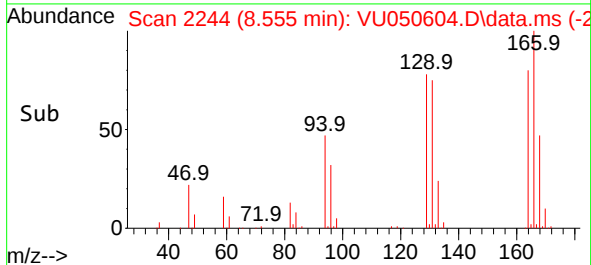
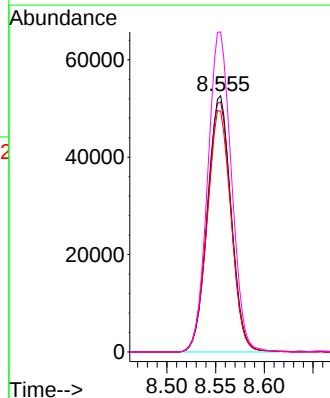
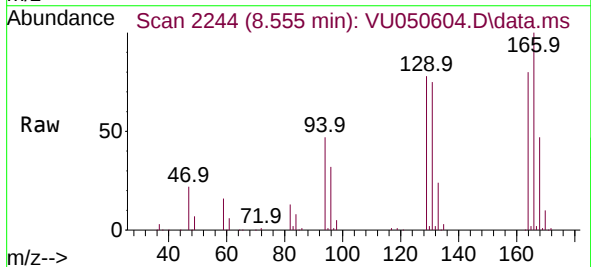
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.5	80.9
83	87.5	61.6	114.4
85	56.8	38.8	72.0

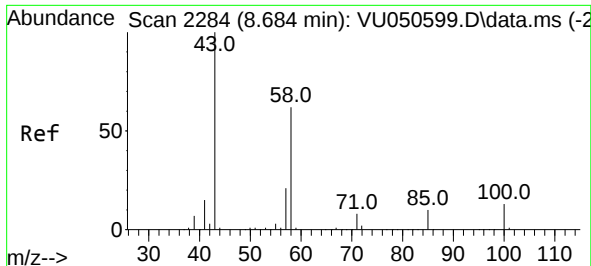


#46
Tetrachloroethene
Concen: 51.882 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion: 164 Resp: 88407

Ion	Ratio	Lower	Upper
164	100		
129	97.6	68.7	127.5
131	93.9	66.2	123.0
166	124.9	87.7	162.9



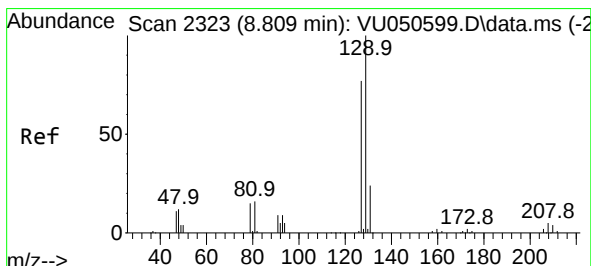
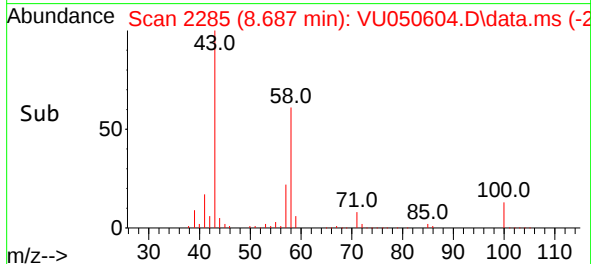
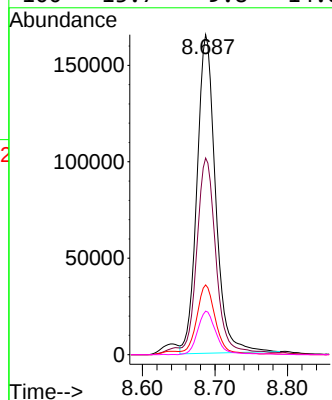
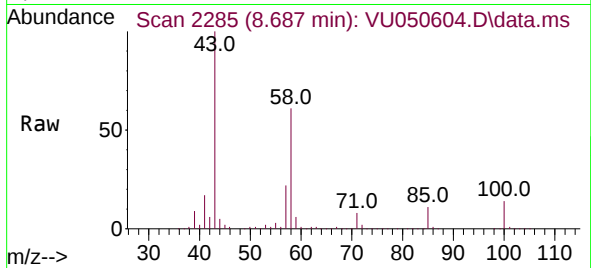


#48
2-Hexanone
Concen: 87.358 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

Tgt Ion: 43 Resp: 293833

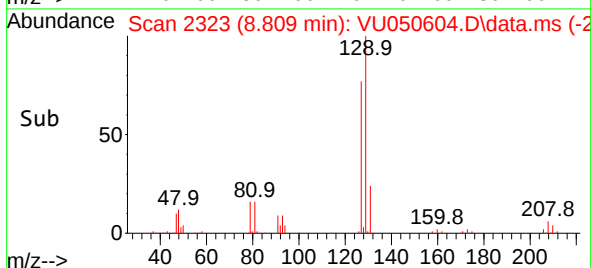
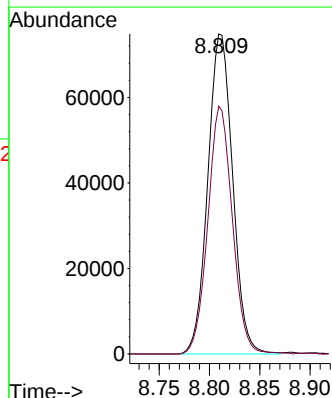
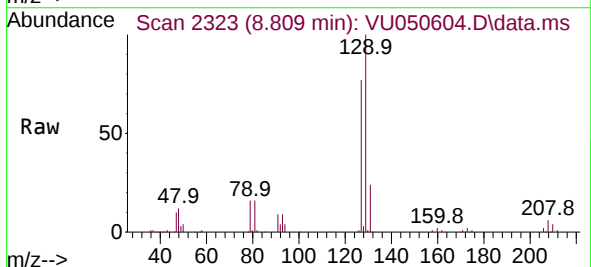
Ion	Ratio	Lower	Upper
43	100		
58	62.2	51.8	77.6
57	21.8	17.0	25.4
100	13.7	9.8	14.8

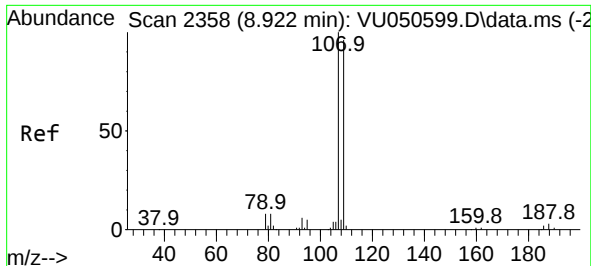


#49
Dibromochloromethane
Concen: 53.109 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion: 129 Resp: 128697

Ion	Ratio	Lower	Upper
129	100		
127	77.4	53.8	100.0





#50

1,2-Dibromoethane

Concen: 50.981 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050188

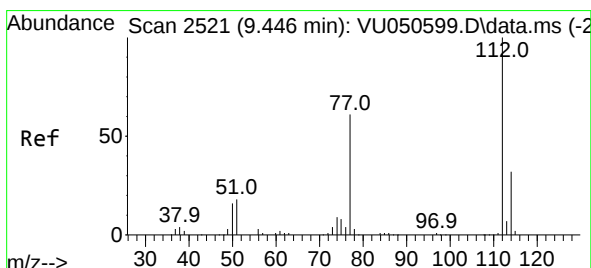
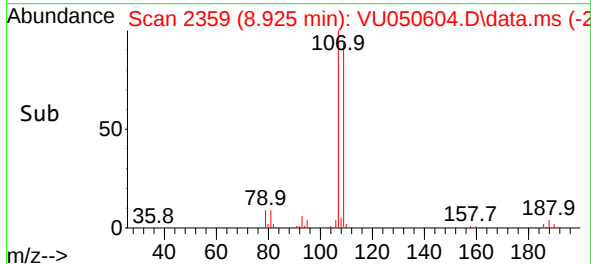
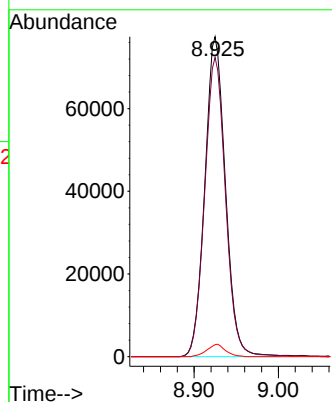
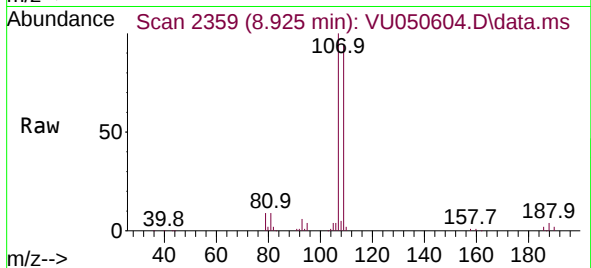
Tgt Ion:107 Resp: 131723

Ion Ratio Lower Upper

107 100

109 93.5 67.5 125.4

188 3.8 2.5 3.7#



#51

Chlorobenzene

Concen: 49.952 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

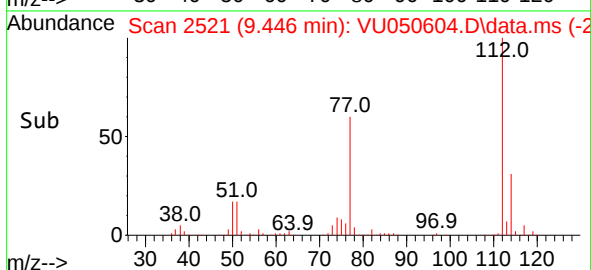
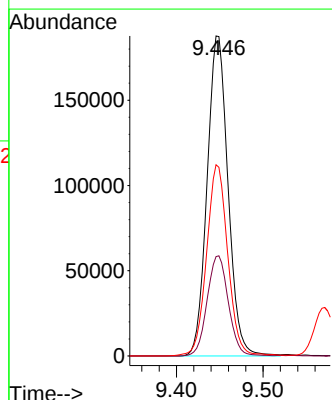
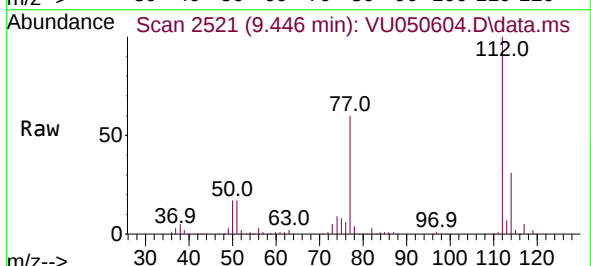
Tgt Ion:112 Resp: 315308

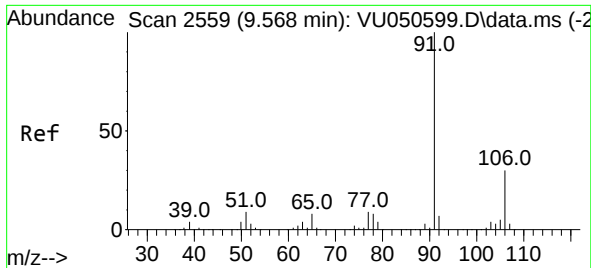
Ion Ratio Lower Upper

112 100

114 31.1 22.1 41.1

77 59.8 49.2 73.8

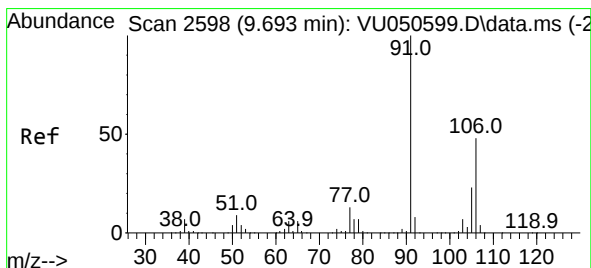
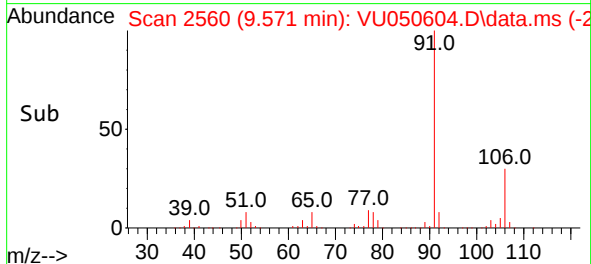
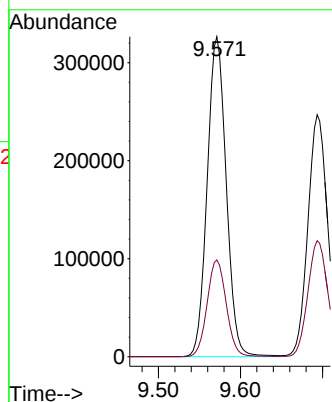
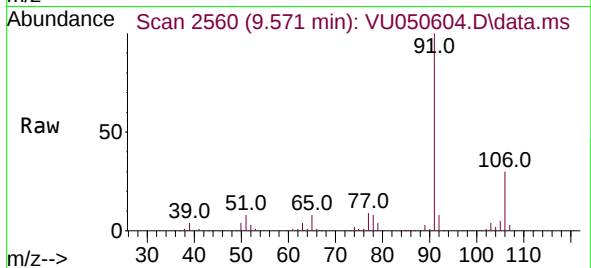




#52
Ethylbenzene
Concen: 52.336 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

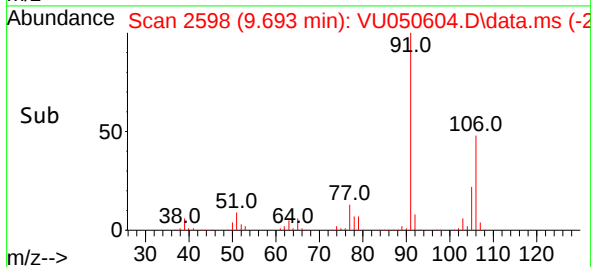
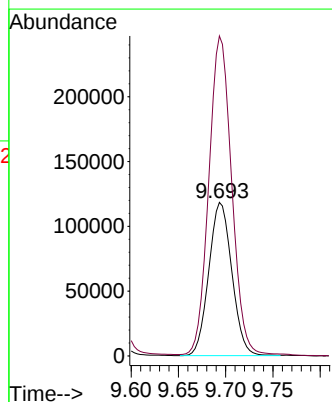
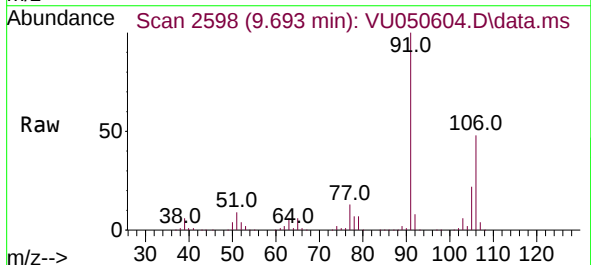
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

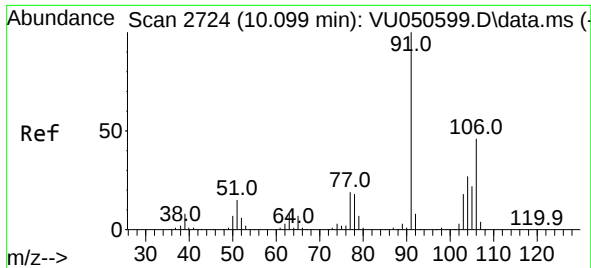
Tgt Ion: 91 Resp: 525845
Ion Ratio Lower Upper
91 100
106 30.2 21.2 39.4



#53
m,p-Xylene
Concen: 51.959 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion: 106 Resp: 200008
Ion Ratio Lower Upper
106 100
91 208.4 147.1 273.3

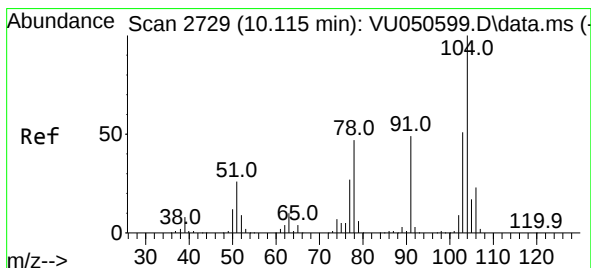
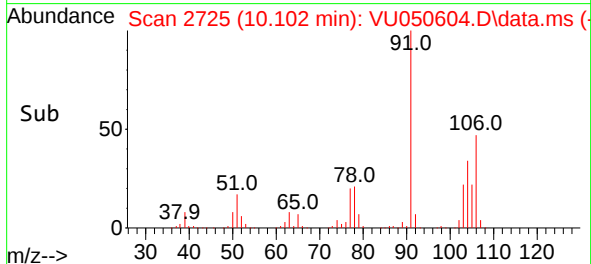
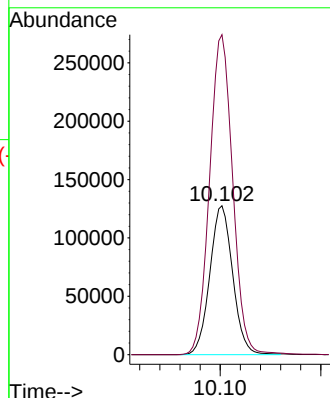
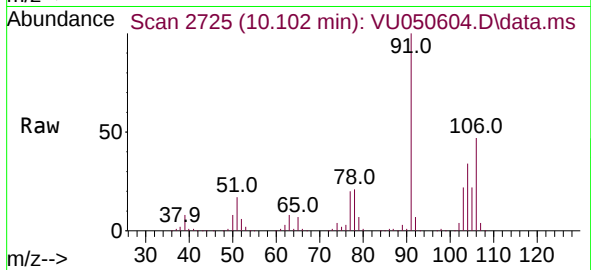




#54
o-Xylene
Concen: 52.594 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

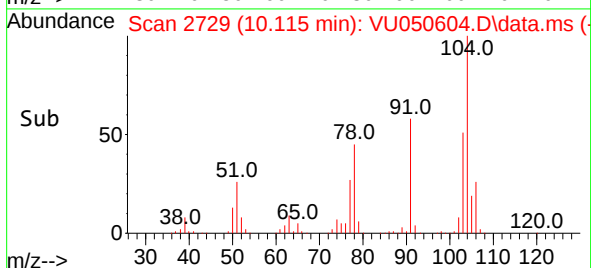
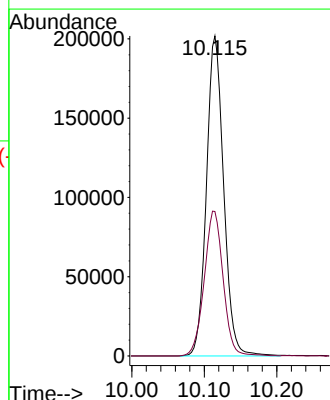
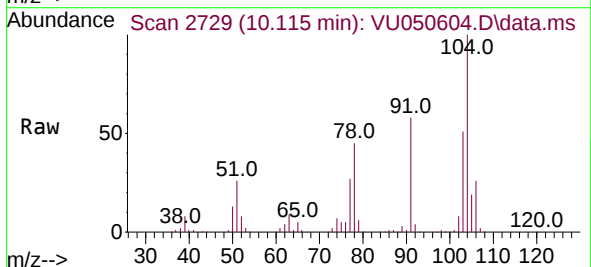
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

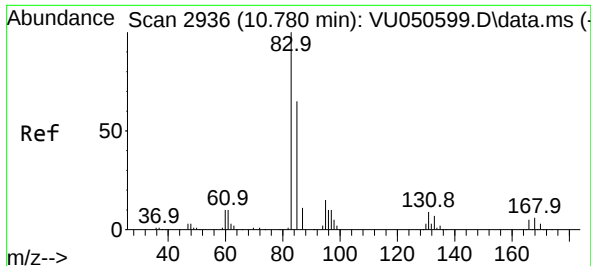
Tgt Ion:106 Resp: 201560
Ion Ratio Lower Upper
106 100
91 214.9 153.4 284.8



#55
Styrene
Concen: 52.895 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion:104 Resp: 333535
Ion Ratio Lower Upper
104 100
78 45.1 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 47.745 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD050188

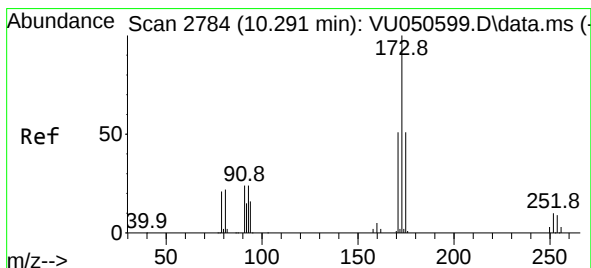
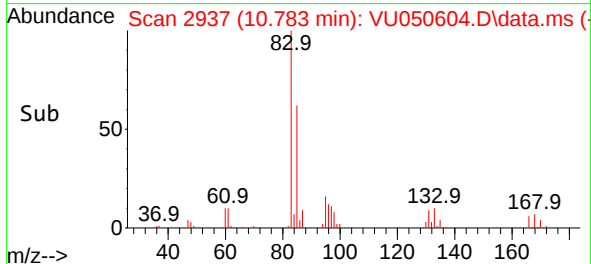
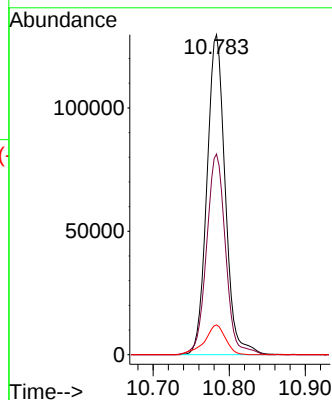
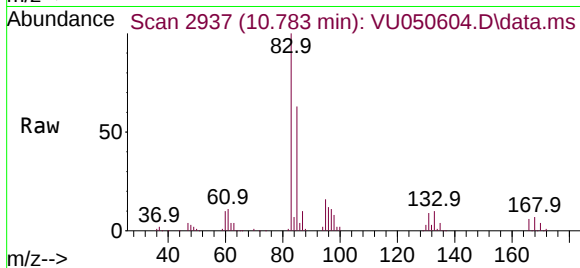
Tgt Ion: 83 Resp: 216068

Ion Ratio Lower Upper

83 100

85 62.7 45.5 84.5

131 9.3 7.7 11.5



#59

Bromoform

Concen: 49.837 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU050604.D

Acq: 03 Sep 2022 11:37

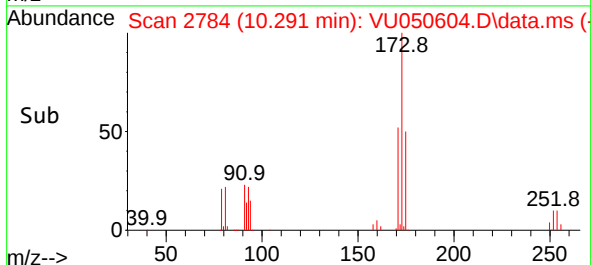
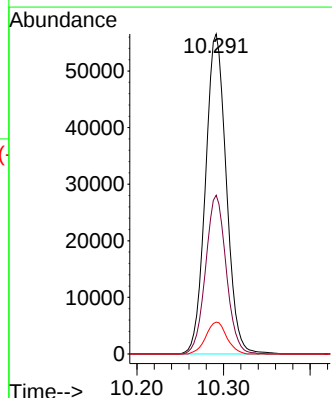
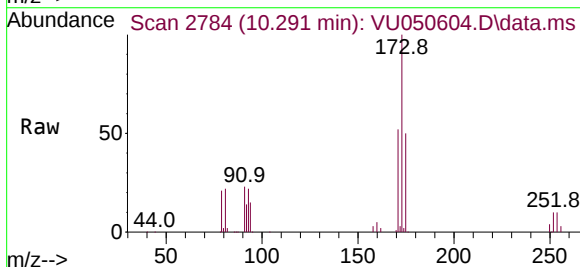
Tgt Ion:173 Resp: 94409

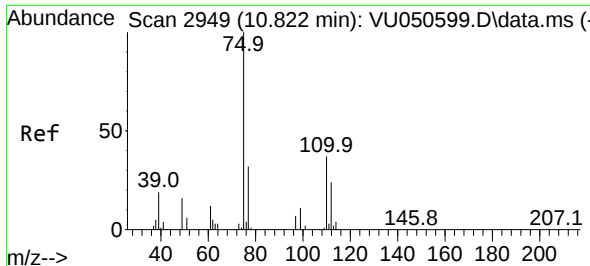
Ion Ratio Lower Upper

173 100

175 49.0 40.0 60.0

254 10.0 7.4 11.0



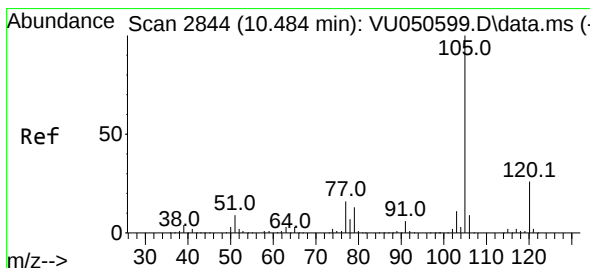
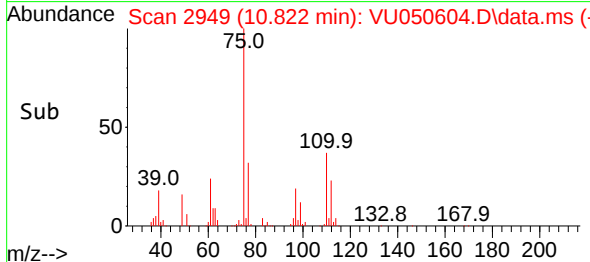
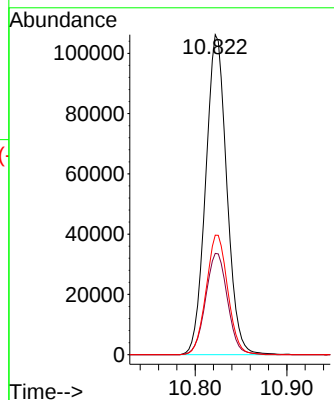
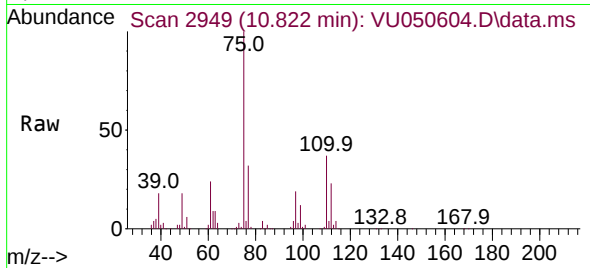


#60
 1,2,3-Trichloropropane
 Concen: 45.636 ug/L
 RT: 10.822 min Scan# 2949
 Delta R.T. -0.000 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

Tgt Ion: 75 Resp: 170012

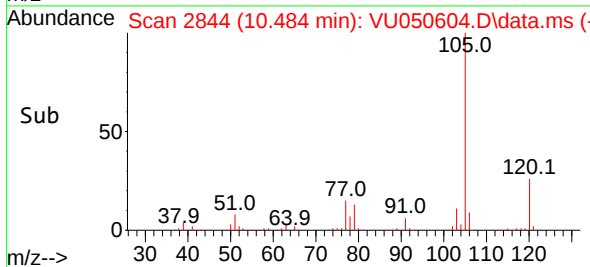
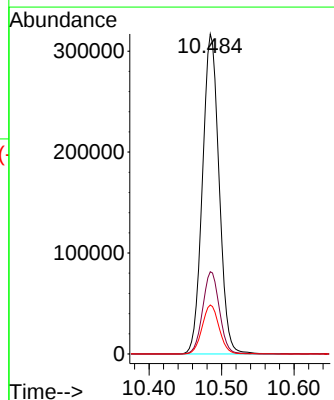
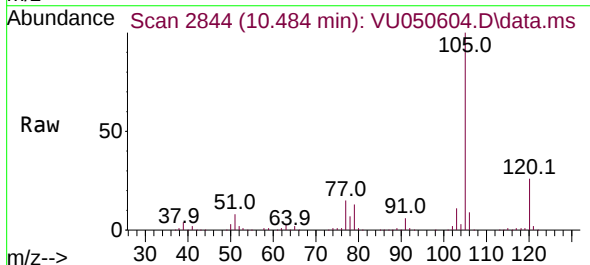
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.8	38.8
110	38.2	29.3	43.9

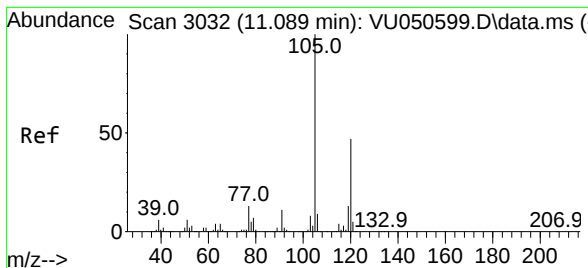


#61
 Isopropylbenzene
 Concen: 50.214 ug/L
 RT: 10.484 min Scan# 2844
 Delta R.T. -0.000 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

Tgt Ion: 105 Resp: 504663

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.4	30.6
77	15.6	12.8	19.2

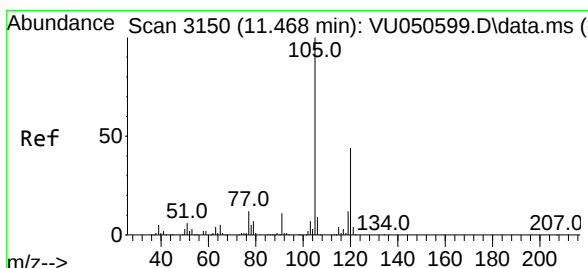
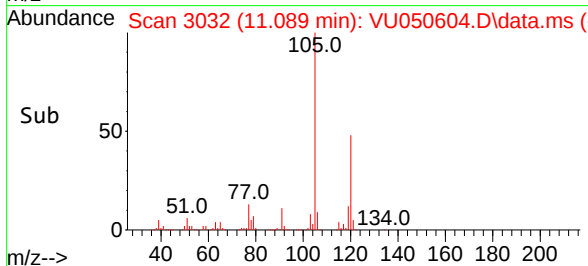
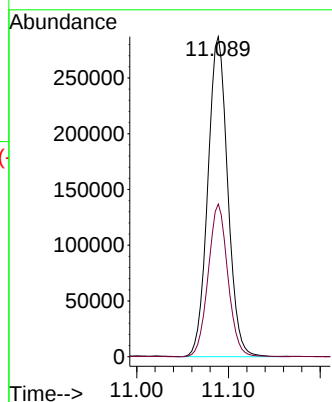
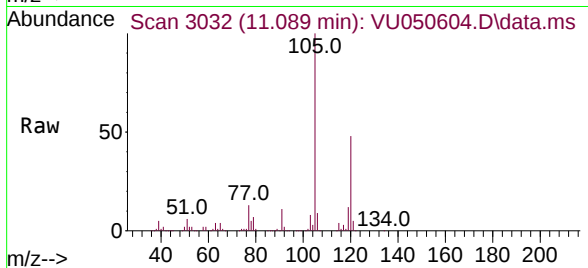




#62
 1,3,5-Trimethylbenzene
 Concen: 50.279 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

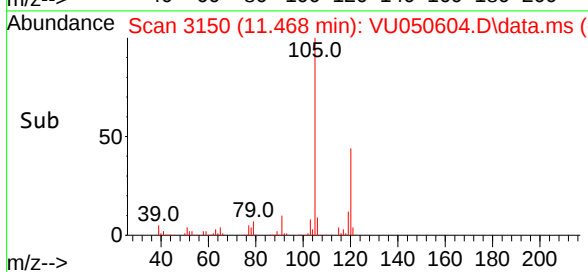
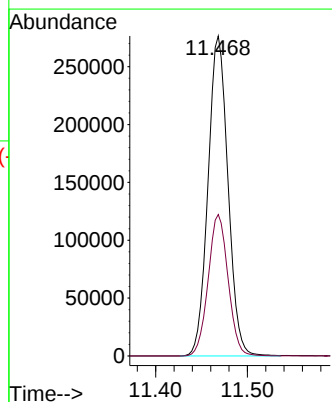
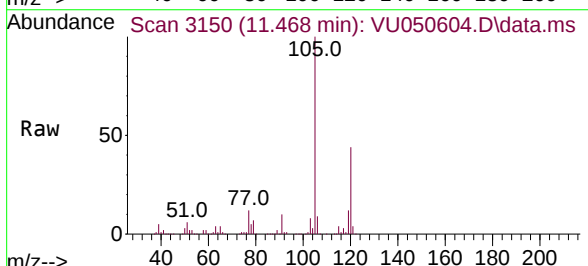
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

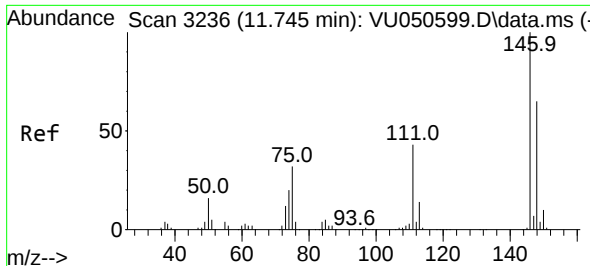
Tgt Ion:105 Resp: 432002
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 50.702 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

Tgt Ion:105 Resp: 418330
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.3 52.9

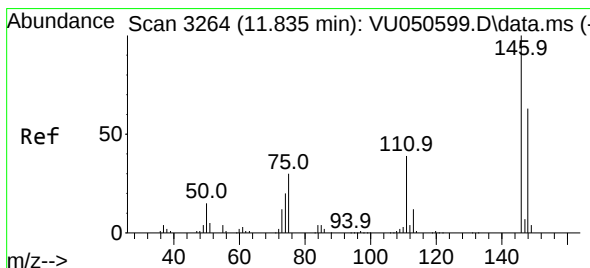
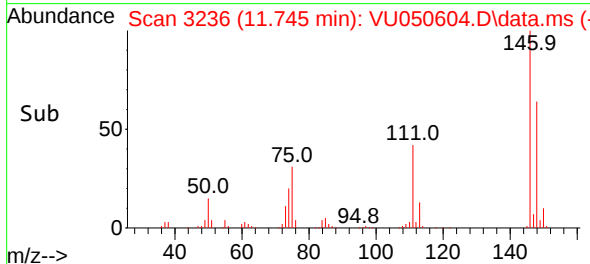
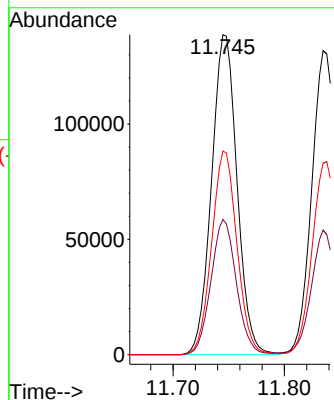
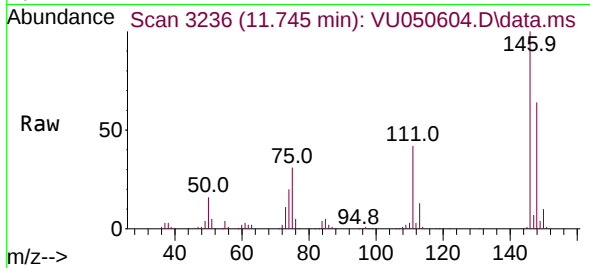




#64
1,3-Dichlorobenzene
Concen: 49.917 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

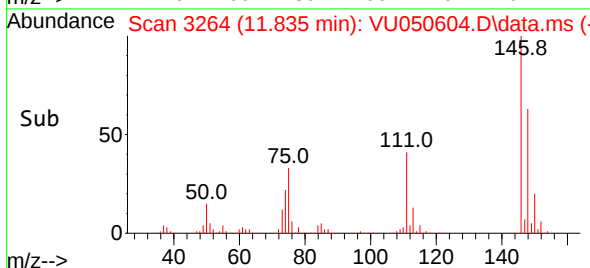
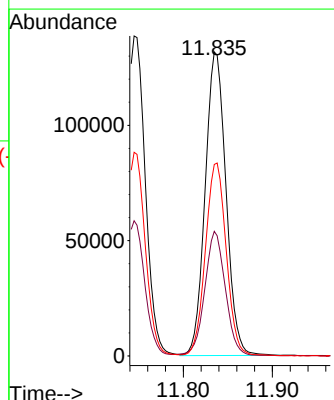
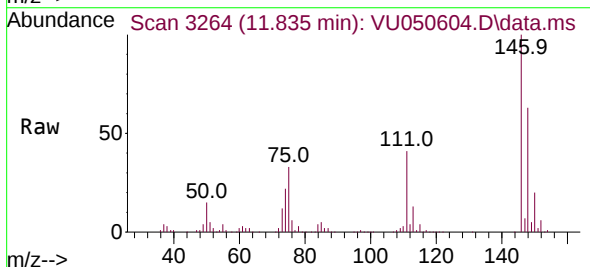
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

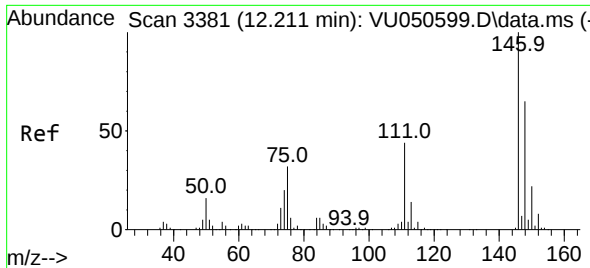
Tgt Ion:146 Resp: 220740
Ion Ratio Lower Upper
146 100
111 42.3 29.9 55.5
148 63.6 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 48.898 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion:146 Resp: 213734
Ion Ratio Lower Upper
146 100
111 41.0 27.9 51.7
148 63.0 44.4 82.4

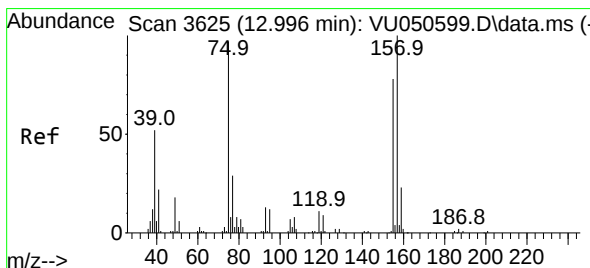
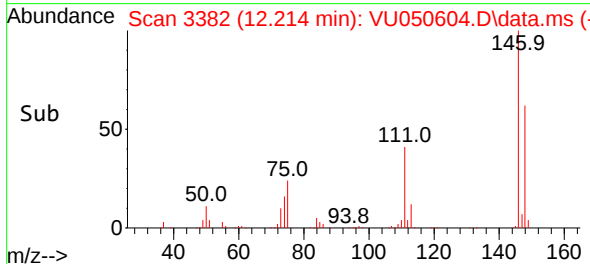
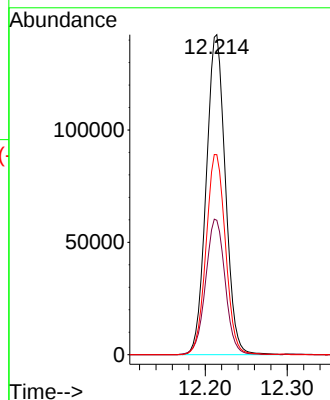
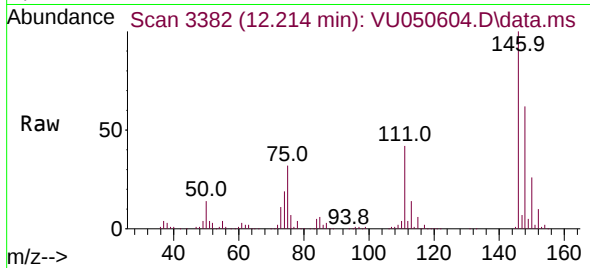




#67
1,2-Dichlorobenzene
Concen: 48.996 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

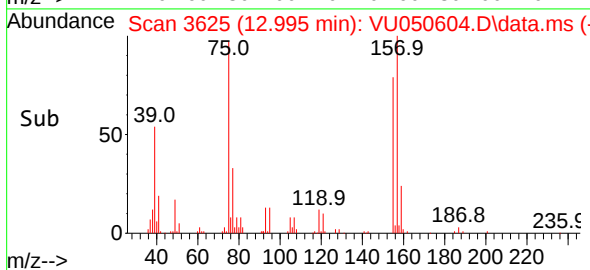
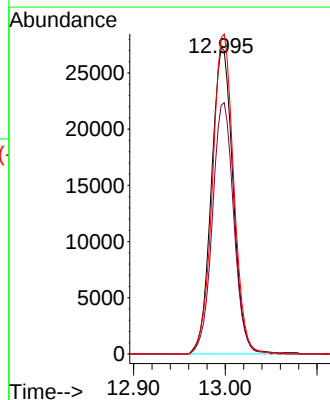
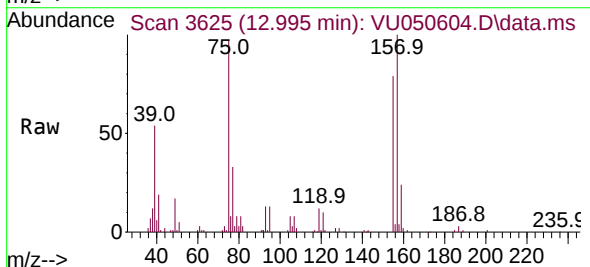
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

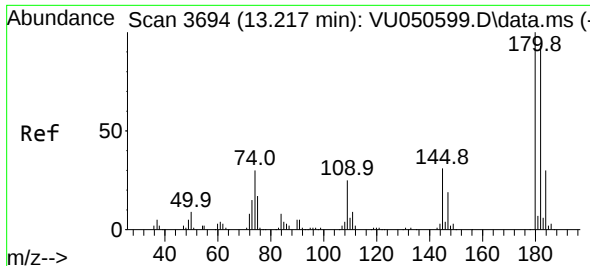
Tgt Ion:146 Resp: 230758
Ion Ratio Lower Upper
146 100
111 42.0 35.1 52.7
148 62.5 51.8 77.6



#68
1,2-Dibromo-3-chloropropane
Concen: 45.449 ug/L
RT: 12.995 min Scan# 3625
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion: 75 Resp: 44712
Ion Ratio Lower Upper
75 100
155 81.1 67.8 101.6
157 107.6 82.6 124.0

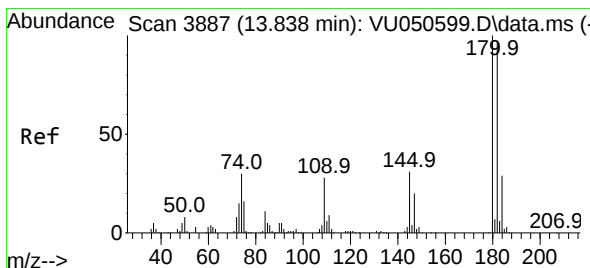
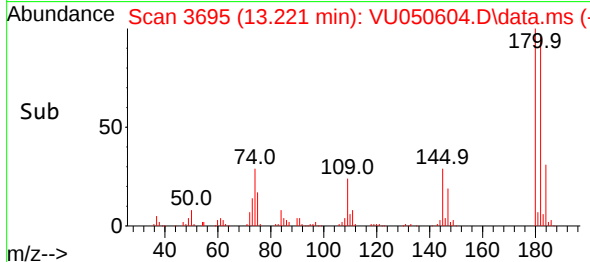
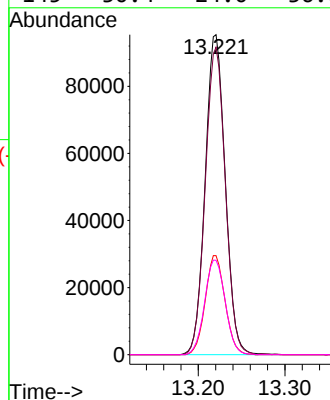
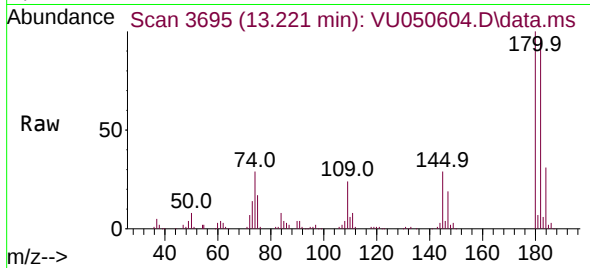




#69
 1,3,5-Trichlorobenzene
 Concen: 47.828 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

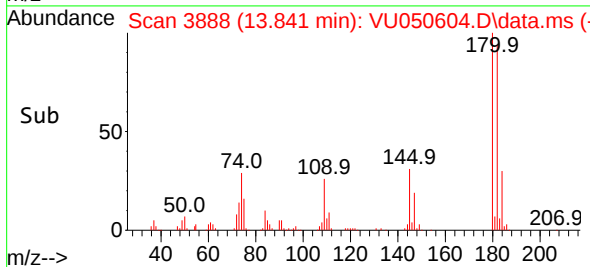
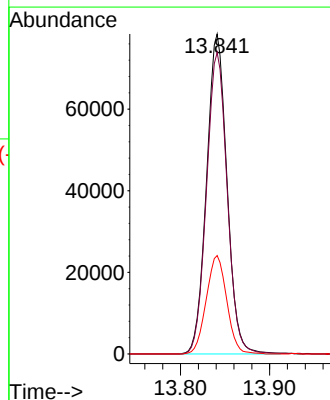
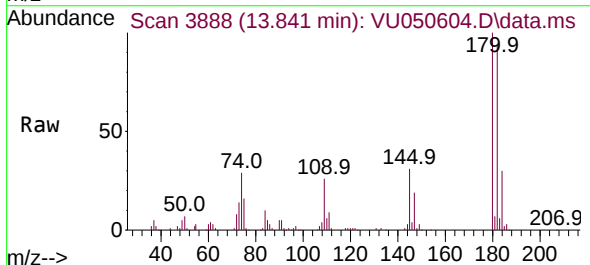
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

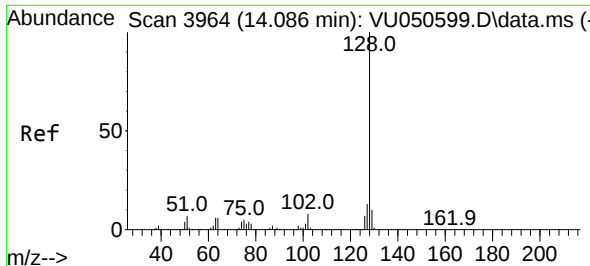
Tgt Ion:180 Resp: 153488
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.3 112.9
 184 30.5 23.8 35.8
 145 30.4 24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 45.845 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU050604.D
 Acq: 03 Sep 2022 11:37

Tgt Ion:180 Resp: 124928
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.2
 145 30.8 24.7 37.1

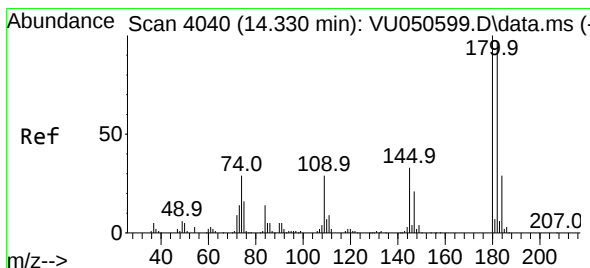
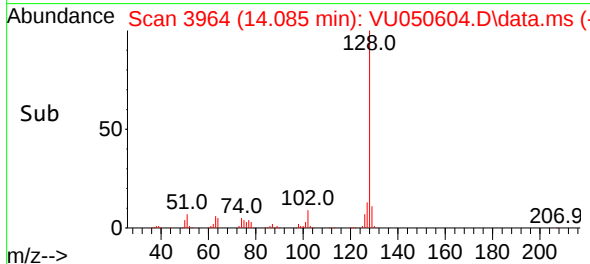
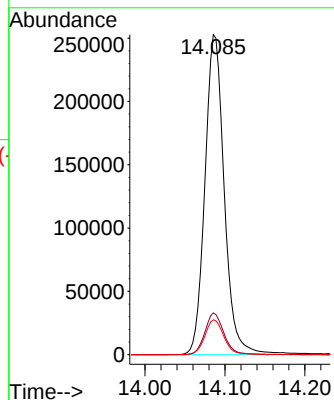
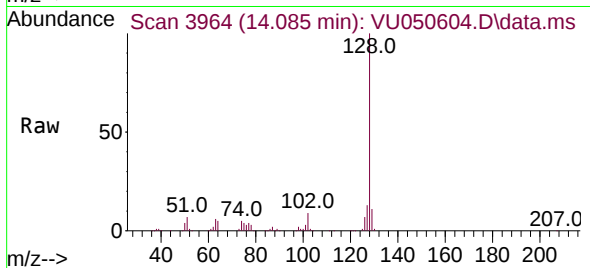




#71
Naphthalene
Concen: 44.029 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

Tgt Ion:128 Resp: 425388
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.7 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 45.927 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU050604.D
Acq: 03 Sep 2022 11:37

Tgt Ion:180 Resp: 135528
Ion Ratio Lower Upper
180 100
182 94.4 76.1 114.1
145 32.8 26.4 39.6

