

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U083022\
 Data File : VU050521.D
 Acq On : 30 Aug 2022 17:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050182

Quant Time: Aug 31 01:44:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 31 01:35:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	391016	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	371396	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	174700	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	140004	46.684	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.360%
7) Chloroethane-d5	1.896	69	110671	47.333	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.660%
11) 1,1-Dichloroethene-d2	2.562	63	239926	47.384	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.760%
21) 2-Butanone-d5	4.626	46	248132	94.606	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.610%
24) Chloroform-d	5.063	84	277734	47.595	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.700	65	173754	45.840	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
32) Benzene-d6	5.726	84	552248	47.975	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
36) 1,2-Dichloropropane-d6	6.690	67	183193	47.796	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.600%
41) Toluene-d8	7.899	98	497511	49.680	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.360%
43) trans-1,3-Dichloroprop...	8.179	79	76179	49.420	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.840%
47) 2-Hexanone-d5	8.636	63	143356	103.301	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.300%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	281739	47.127	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.260%
66) 1,2-Dichlorobenzene-d4	12.195	152	172705	45.660	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	125962	51.169	ug/L	99
3) Chloromethane	1.517	50	186820	45.808	ug/L	100
5) Vinyl chloride	1.601	62	180590	47.955	ug/L	98
6) Bromomethane	1.838	94	75515	43.782	ug/L	100
8) Chloroethane	1.919	64	112100	47.300	ug/L	99
9) Trichlorofluoromethane	2.128	101	211652	48.862	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	133325	51.706	ug/L	100
12) 1,1-Dichloroethene	2.572	96	130676	48.498	ug/L	98
13) Acetone	2.629	43	179805	88.249	ug/L	99
14) Carbon disulfide	2.787	76	331298	50.036	ug/L	99
15) Methyl Acetate	2.948	43	194369	46.483	ug/L	99
16) Methylene chloride	3.041	84	190778	43.552	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	141524	48.496	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	478137	48.339	ug/L	100
19) 1,1-Dichloroethane	3.867	63	283110	47.622	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	167275	48.159	ug/L	99
22) 2-Butanone	4.703	43	287937	91.366	ug/L	98
23) Bromochloromethane	4.973	128	87957	47.310	ug/L	97
25) Chloroform	5.086	83	292746	47.698	ug/L	96

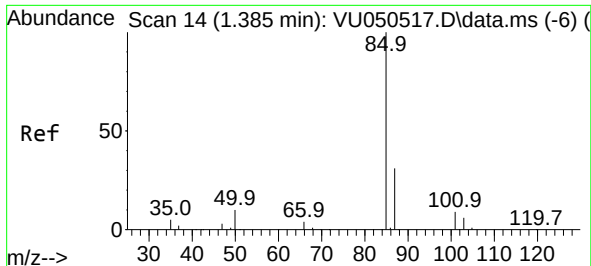
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083022\
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 Quant Title : VOC Analysis
 QLast Update : Wed Aug 31 01:35:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	227736	46.777	ug/L	100
29) Cyclohexane	5.388	56	226751	54.633	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	221484	49.221	ug/L	99
31) Carbon tetrachloride	5.523	117	174211	50.707	ug/L	99
33) Benzene	5.774	78	657538	48.735	ug/L	100
34) Trichloroethene	6.542	95	150788	48.704	ug/L	97
35) Methylcyclohexane	6.764	83	235350	56.537	ug/L	100
37) 1,2-Dichloropropane	6.790	63	179071	48.476	ug/L	100
38) Bromodichloromethane	7.105	83	207540	49.656	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	243987	50.130	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	523247	97.857	ug/L	99
42) Toluene	7.970	91	676510	50.540	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	225169	50.785	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	172309	48.057	ug/L	99
46) Tetrachloroethene	8.552	164	110221	50.893	ug/L	97
48) 2-Hexanone	8.684	43	442844	96.881	ug/L	99
49) Dibromochloromethane	8.809	129	157456	50.580	ug/L	99
50) 1,2-Dibromoethane	8.925	107	179132	48.398	ug/L	98
51) Chlorobenzene	9.446	112	405235	48.647	ug/L	100
52) Ethylbenzene	9.571	91	666129	51.414	ug/L	99
53) m,p-Xylene	9.693	106	255094	52.259	ug/L	98
54) o-Xylene	10.102	106	256692	51.694	ug/L	99
55) Styrene	10.115	104	436751	53.003	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	306939	47.979	ug/L	99
59) Bromoform	10.291	173	108476	46.375	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	237664	45.320	ug/L	99
61) Isopropylbenzene	10.484	105	636710	51.114	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	531547	51.907	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	521370	52.417	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	286911	48.270	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	284209	47.154	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	303830	47.152	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	60161	48.074	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	202197	49.712	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	178988	49.475	ug/L	99
71) Naphthalene	14.089	128	688351	46.374	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	201876	48.284	ug/L	99

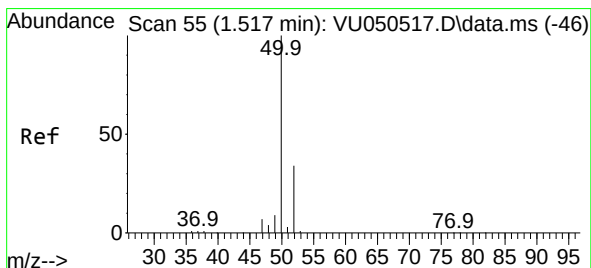
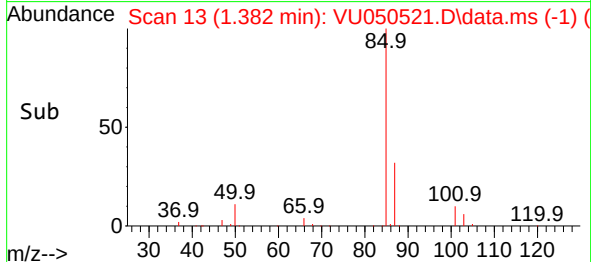
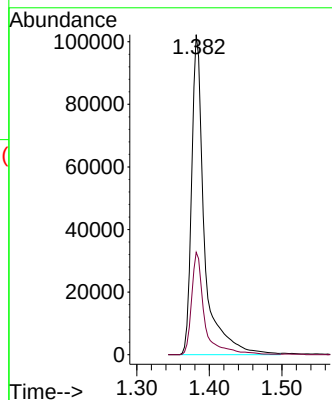
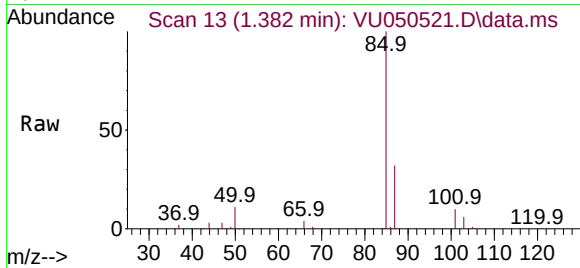
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#2
 Dichlorodifluoromethane
 Concen: 51.169 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

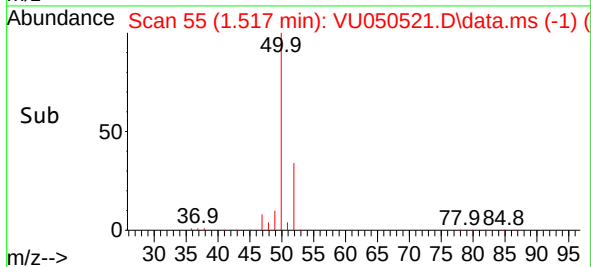
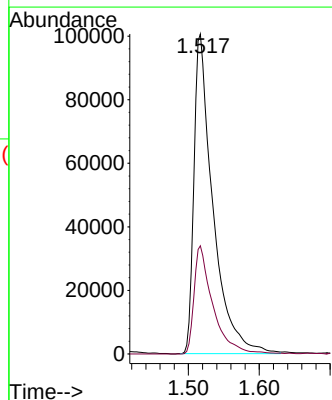
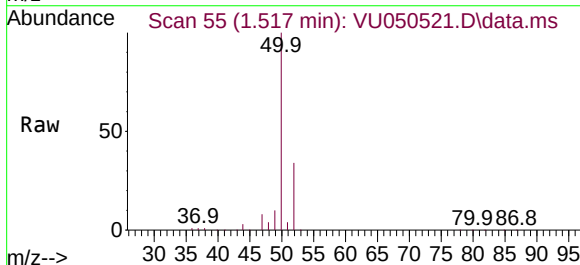
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050182

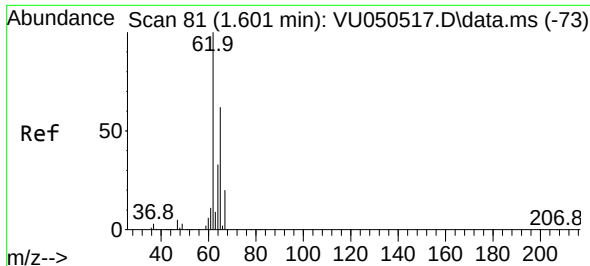
Tgt Ion: 85 Resp: 125962
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.5 38.3



#3
 Chloromethane
 Concen: 45.808 ug/L
 RT: 1.517 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

Tgt Ion: 50 Resp: 186820
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.6 43.8

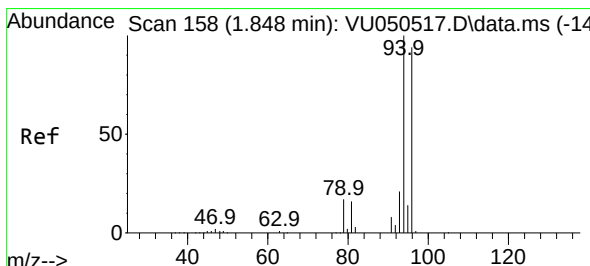
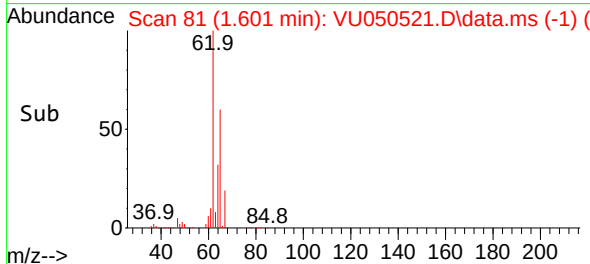
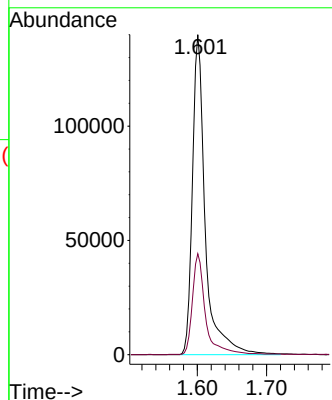
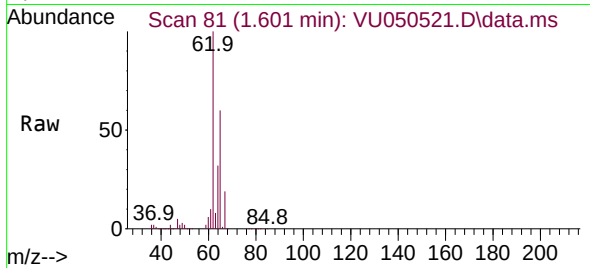




#5
 Vinyl chloride
 Concen: 47.955 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

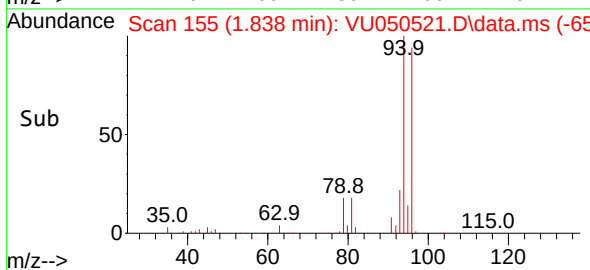
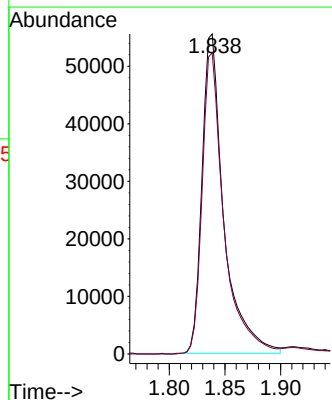
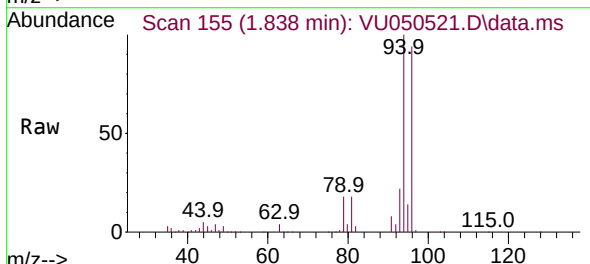
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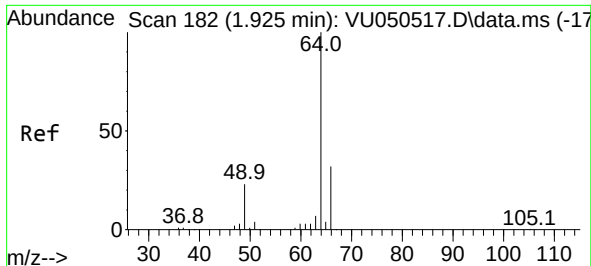
Tgt Ion: 62 Resp: 180590
 Ion Ratio Lower Upper
 62 100
 64 31.5 22.9 42.5



#6
 Bromomethane
 Concen: 43.782 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.010 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

Tgt Ion: 94 Resp: 75515
 Ion Ratio Lower Upper
 94 100
 96 94.1 65.9 122.3

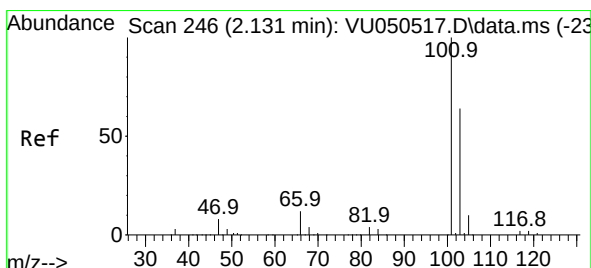
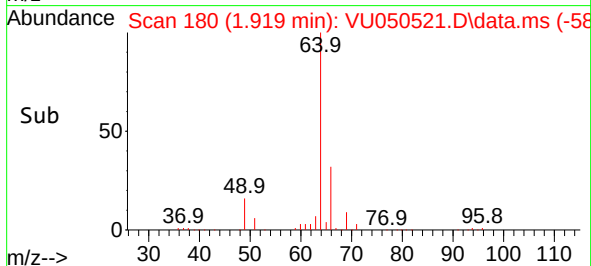
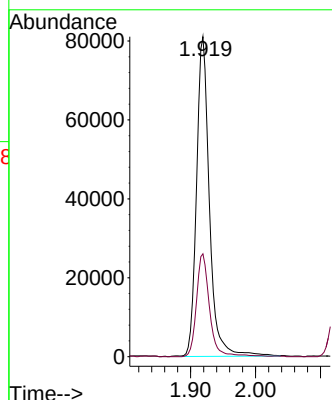
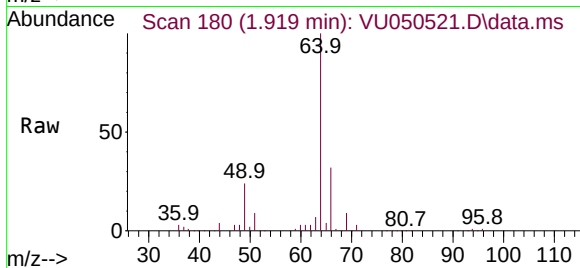




#8
Chloroethane
Concen: 47.300 ug/L
RT: 1.919 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

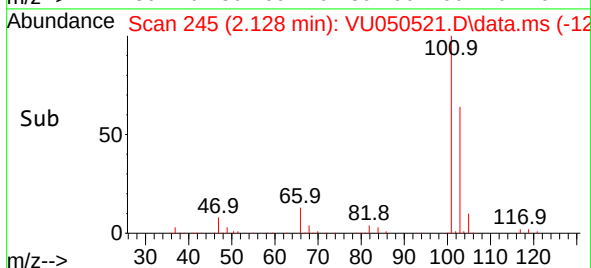
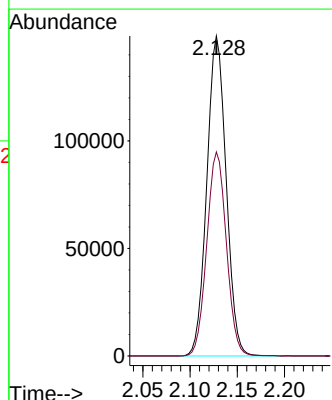
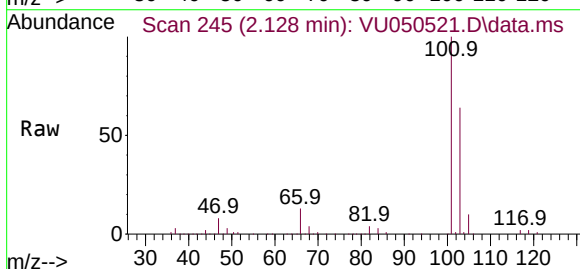
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MSVOA_U
ClientSampleId :
VSTD050182

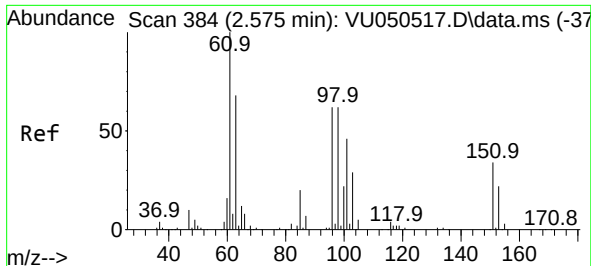
Tgt Ion: 64 Resp: 112100
Ion Ratio Lower Upper
64 100
66 32.1 22.2 41.2



#9
Trichlorofluoromethane
Concen: 48.862 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion:101 Resp: 211652
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

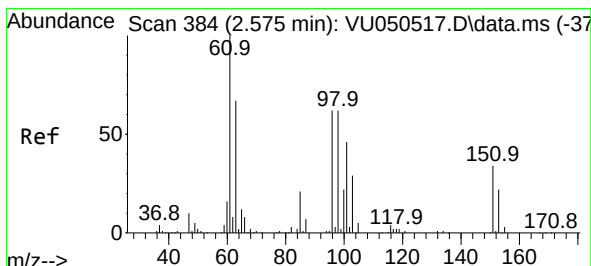
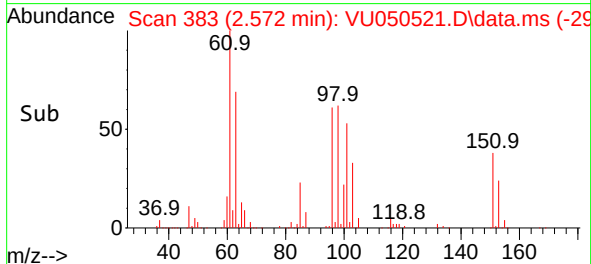
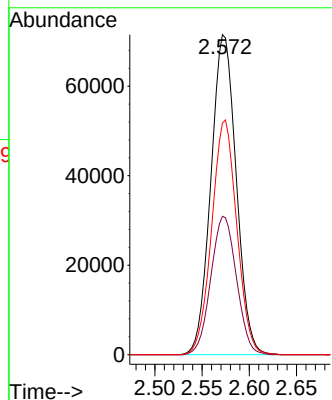
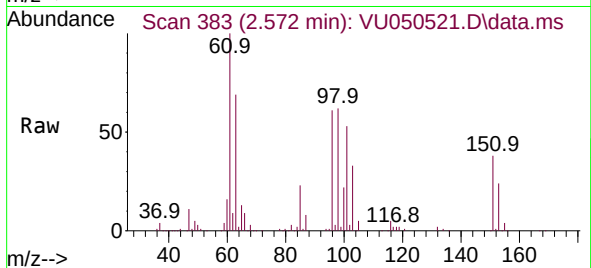




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.706 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

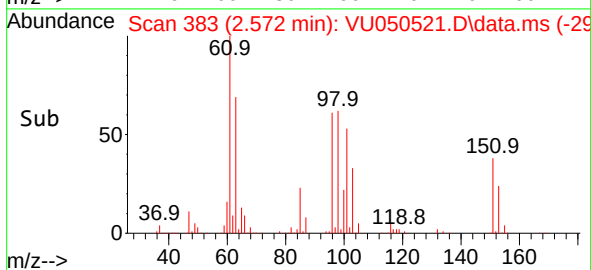
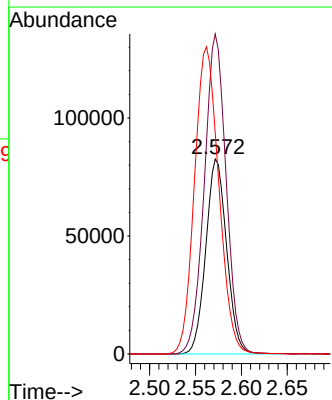
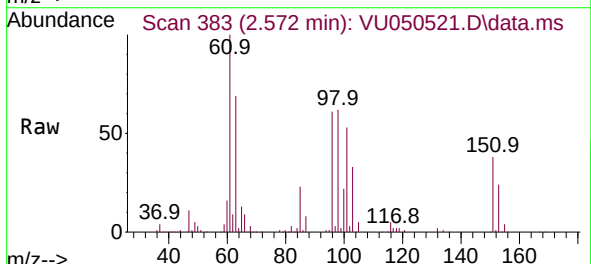
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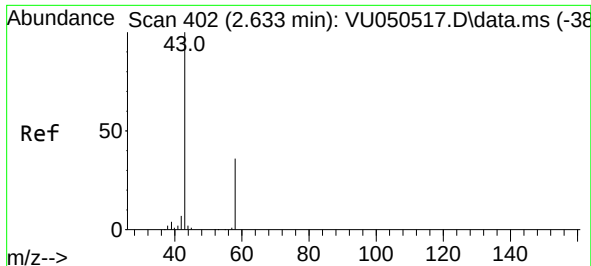
Tgt Ion:101 Resp: 133325
 Ion Ratio Lower Upper
 101 100
 85 43.7 34.6 52.0
 151 72.7 58.2 87.2



#12
 1,1-Dichloroethene
 Concen: 48.498 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

Tgt Ion: 96 Resp: 130676
 Ion Ratio Lower Upper
 96 100
 61 164.1 113.5 210.9
 63 113.3 78.0 144.9





#13

Acetone

Concen: 88.249 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Instrument :

MSVOA_U

ClientSampleId :

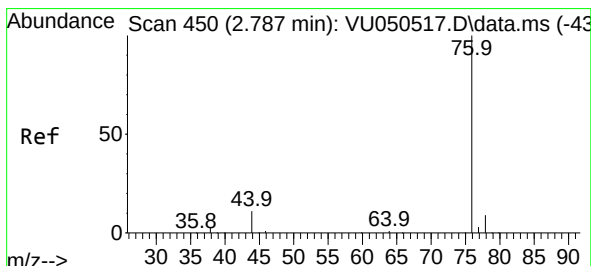
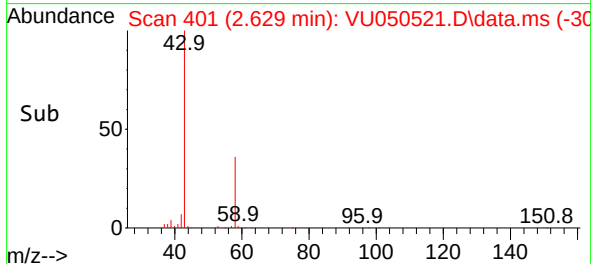
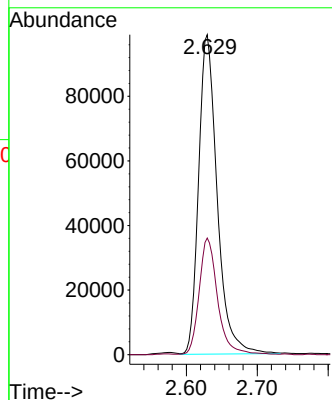
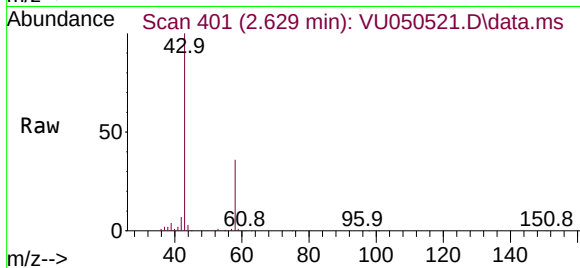
VSTD050182

Tgt Ion: 43 Resp: 179805

Ion Ratio Lower Upper

43 100

58 36.4 0.0 71.6



#14

Carbon disulfide

Concen: 50.036 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU050521.D

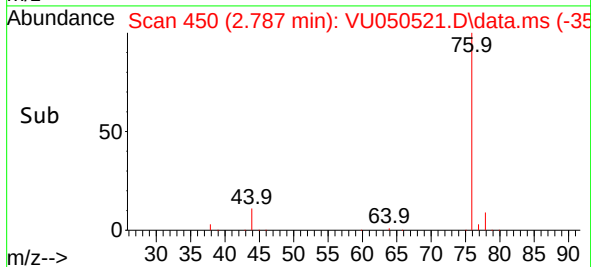
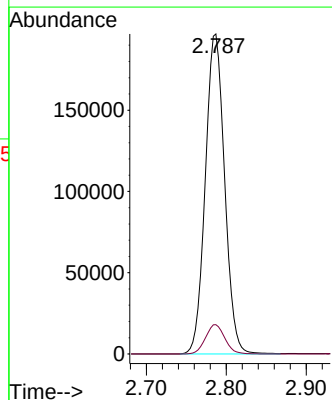
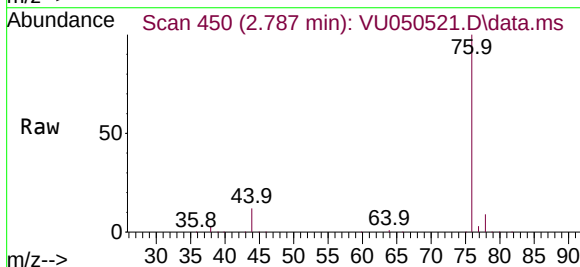
Acq: 30 Aug 2022 17:20

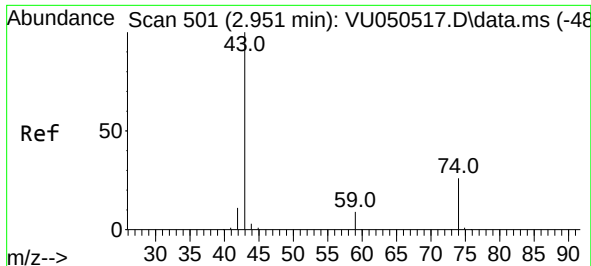
Tgt Ion: 76 Resp: 331298

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

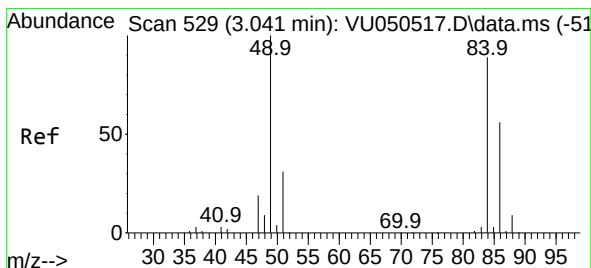
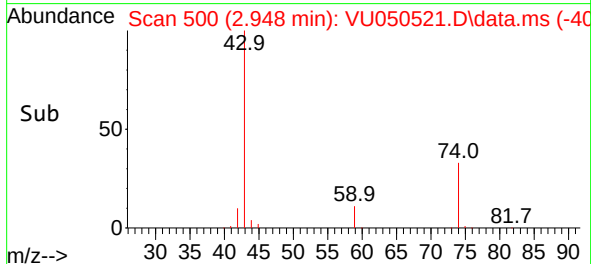
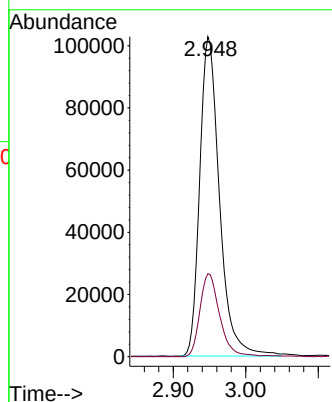
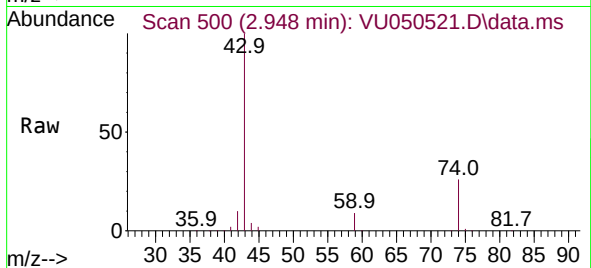




#15
Methyl Acetate
Concen: 46.483 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

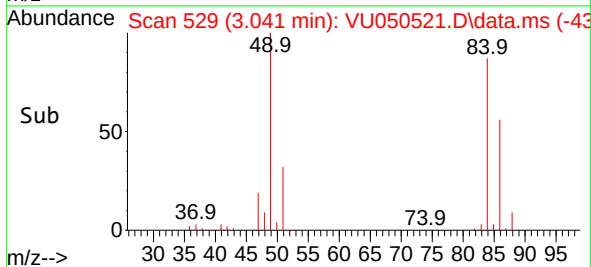
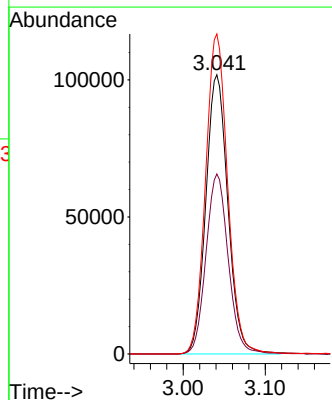
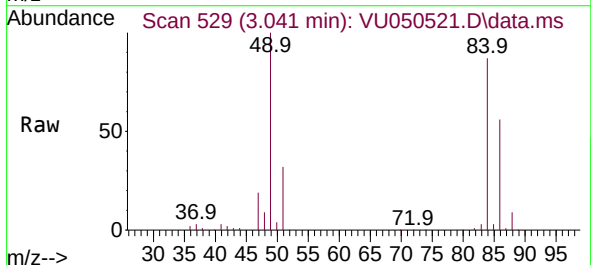
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

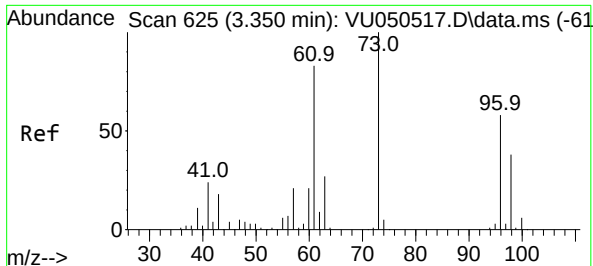
Tgt Ion: 43 Resp: 194369
Ion Ratio Lower Upper
43 100
74 25.9 21.0 31.6



#16
Methylene chloride
Concen: 43.552 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion: 84 Resp: 190778
Ion Ratio Lower Upper
84 100
86 64.5 44.3 82.3
49 114.6 78.8 146.3





#17

trans-1,2-Dichloroethene

Concen: 48.496 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

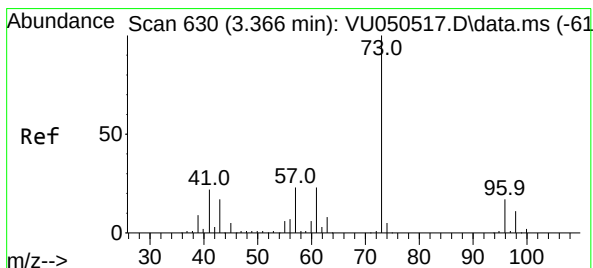
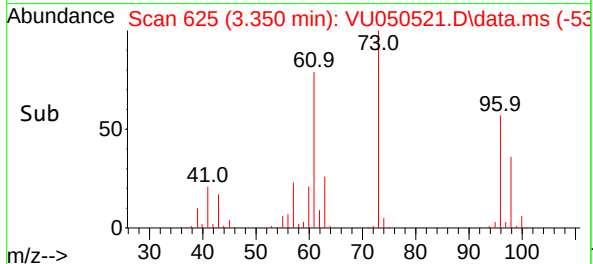
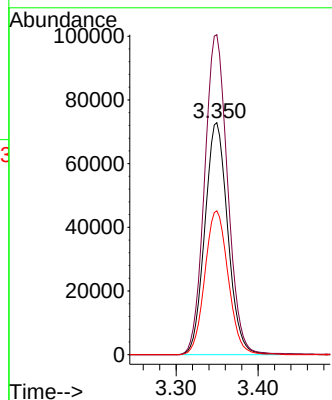
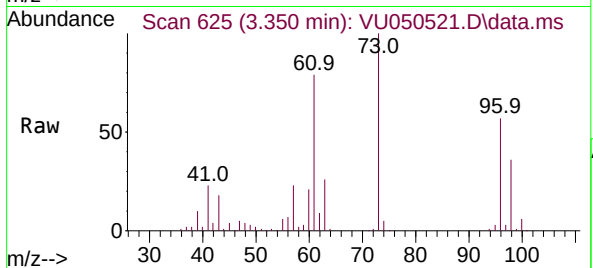
Tgt Ion: 96 Resp: 141524

Ion Ratio Lower Upper

96 100

61 137.9 99.7 185.1

98 62.0 46.2 85.8



#18

Methyl tert-butyl Ether

Concen: 48.339 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

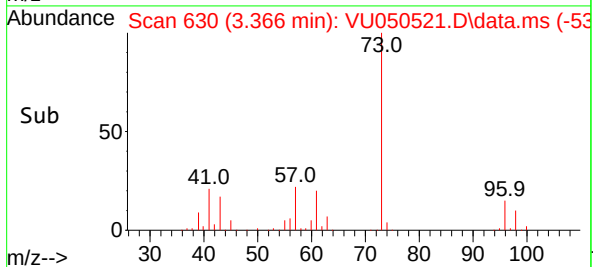
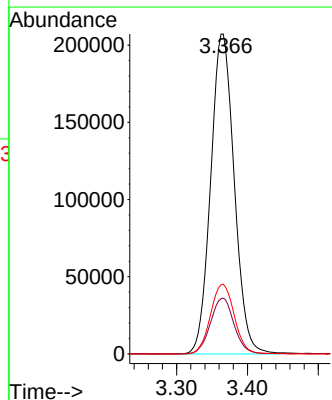
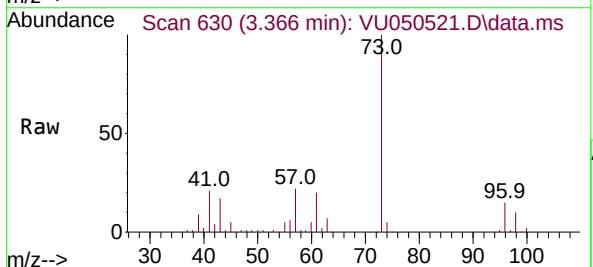
Tgt Ion: 73 Resp: 478137

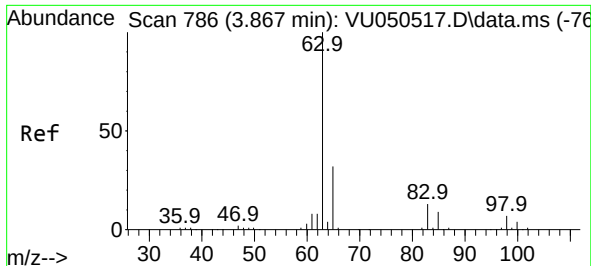
Ion Ratio Lower Upper

73 100

43 17.3 13.9 20.9

57 22.1 17.8 26.6

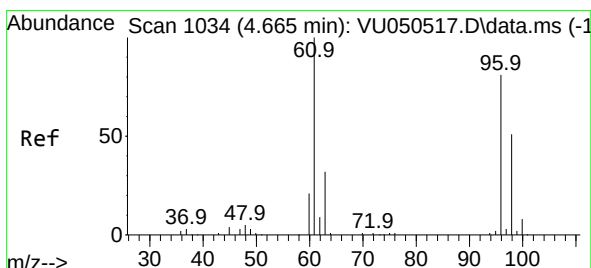
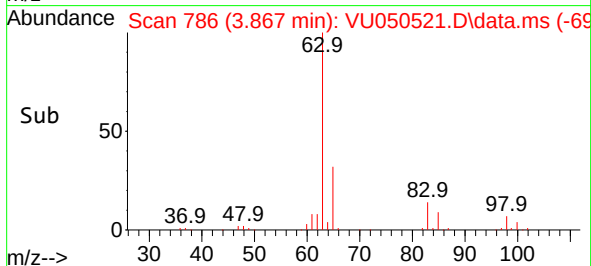
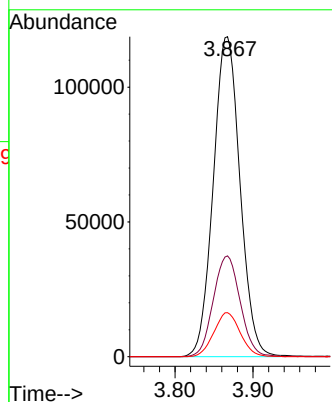
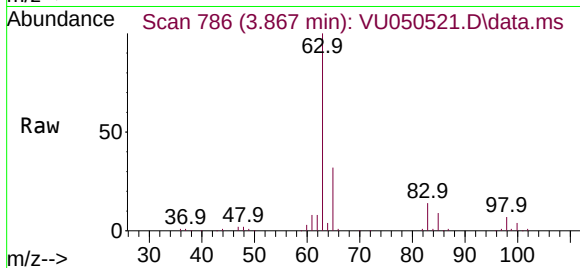




#19
1,1-Dichloroethane
Concen: 47.622 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

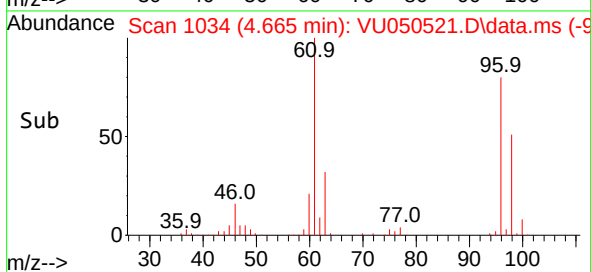
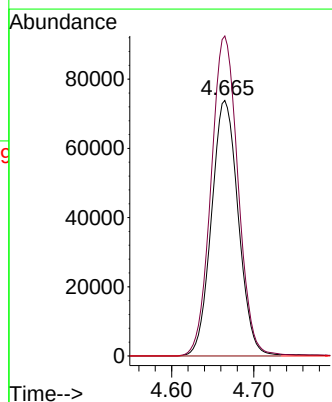
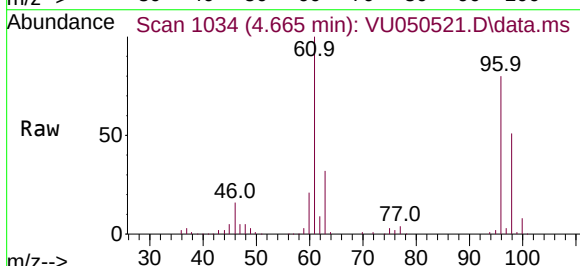
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

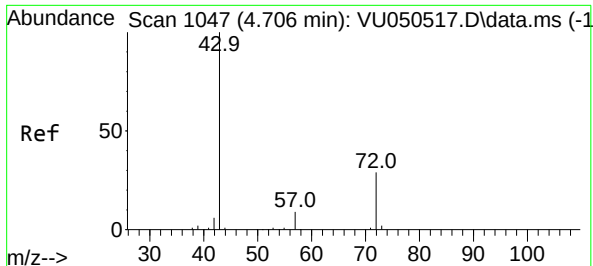
Tgt Ion: 63 Resp: 283110
Ion Ratio Lower Upper
63 100
65 31.5 22.5 41.9
83 13.8 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 48.159 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion: 96 Resp: 167275
Ion Ratio Lower Upper
96 100
61 125.2 86.8 161.2
68 0.0 0.0 0.0

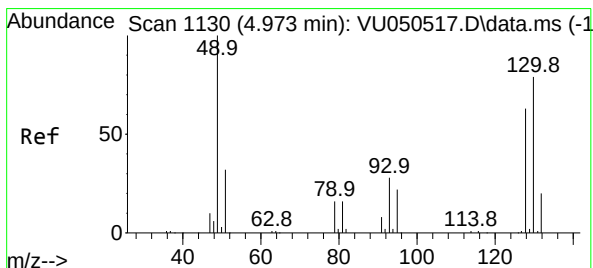
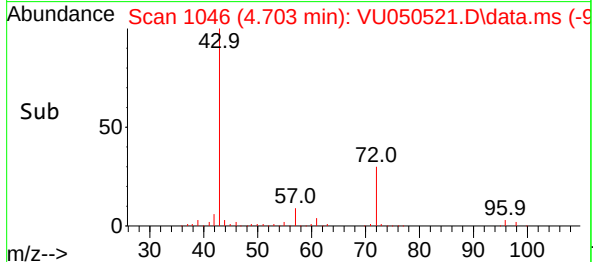
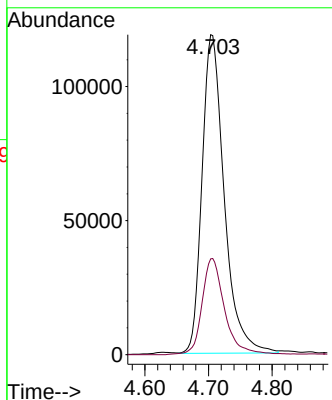
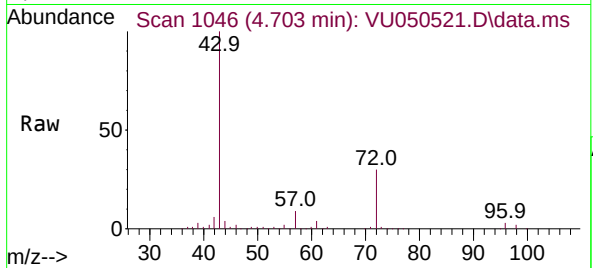




#22
2-Butanone
Concen: 91.366 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

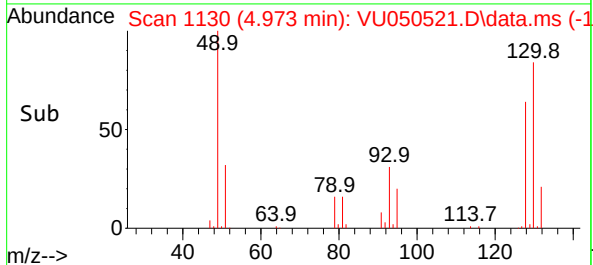
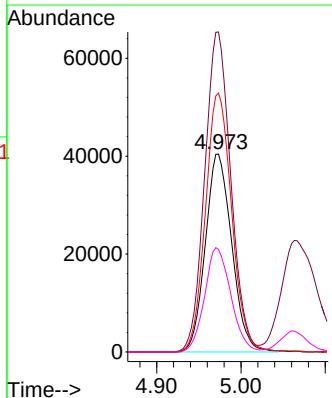
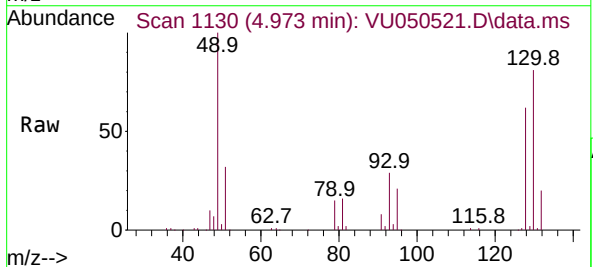
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

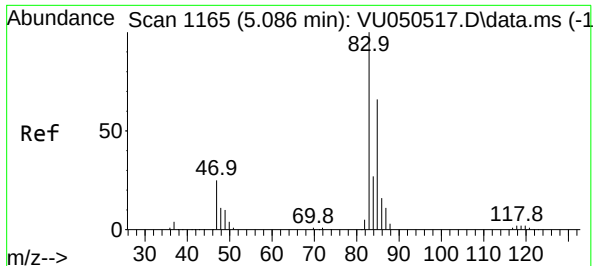
Tgt Ion: 43 Resp: 287937
Ion Ratio Lower Upper
43 100
72 30.8 14.8 44.3



#23
Bromochloromethane
Concen: 47.310 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion:128 Resp: 87957
Ion Ratio Lower Upper
128 100
49 161.6 111.9 207.7
130 130.8 87.8 163.0
51 51.8 41.0 61.4





#25

Chloroform

Concen: 47.698 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Instrument :

MSVOA_U

ClientSampleId :

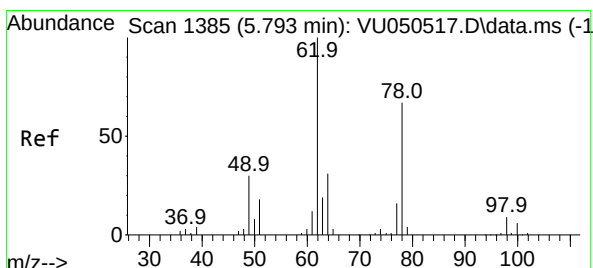
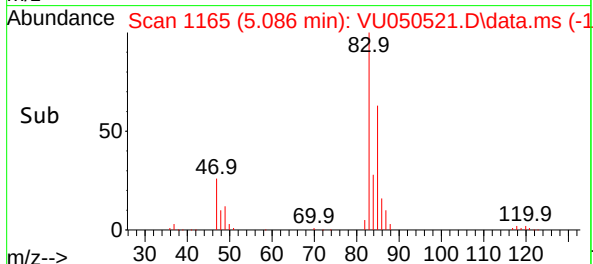
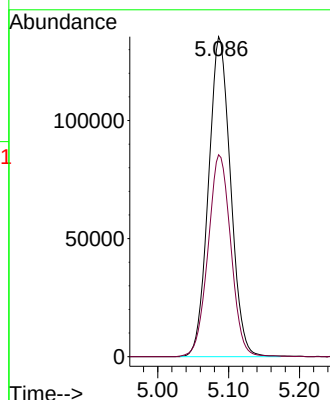
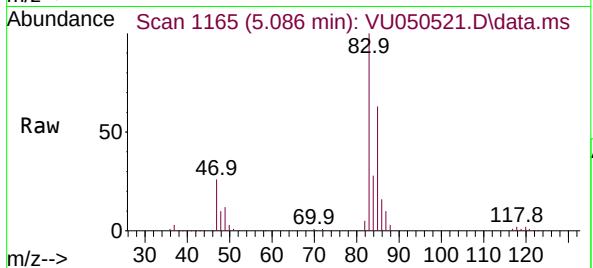
VSTD050182

Tgt Ion: 83 Resp: 292746

Ion Ratio Lower Upper

83 100

85 63.1 46.3 85.9



#27

1,2-Dichloroethane

Concen: 46.777 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050521.D

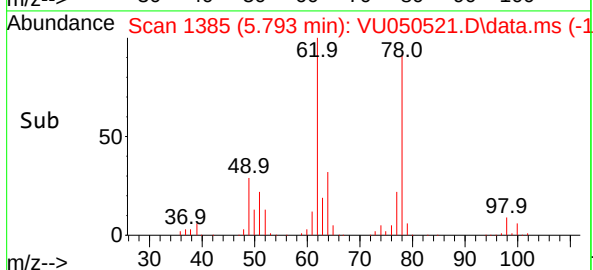
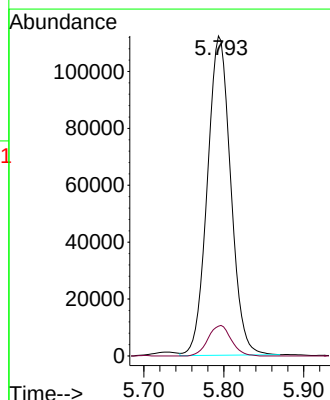
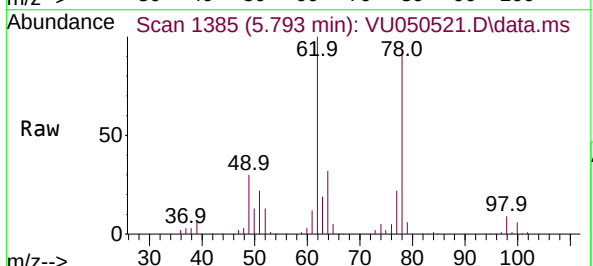
Acq: 30 Aug 2022 17:20

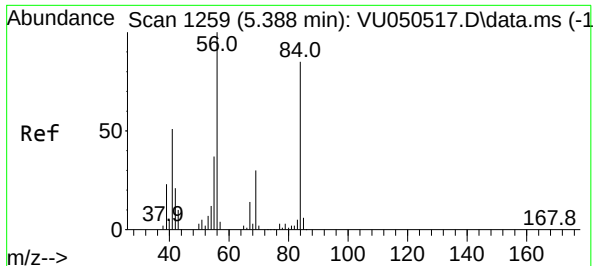
Tgt Ion: 62 Resp: 227736

Ion Ratio Lower Upper

62 100

98 9.3 7.5 11.3





#29

Cyclohexane

Concen: 54.633 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

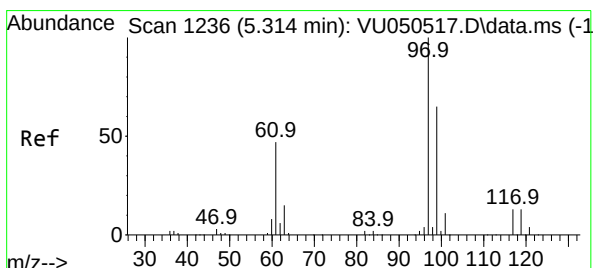
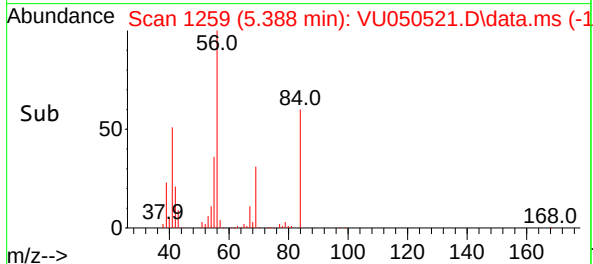
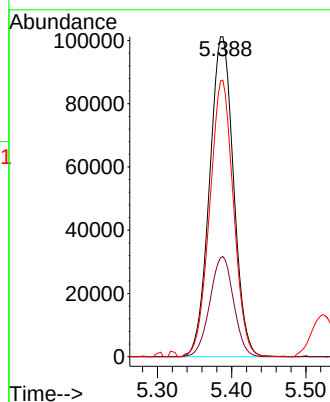
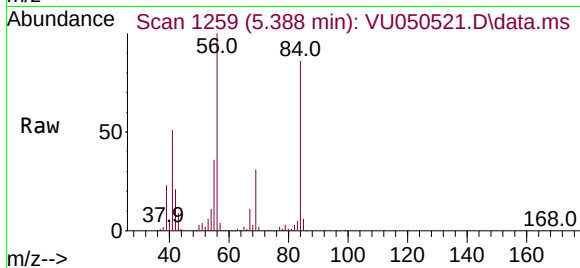
Tgt Ion: 56 Resp: 226751

Ion Ratio Lower Upper

56 100

69 30.9 24.8 37.2

84 85.6 68.9 103.3



#30

1,1,1-Trichloroethane

Concen: 49.221 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

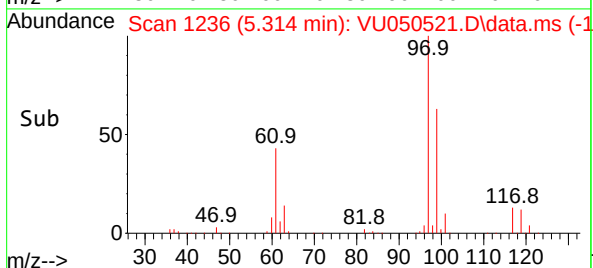
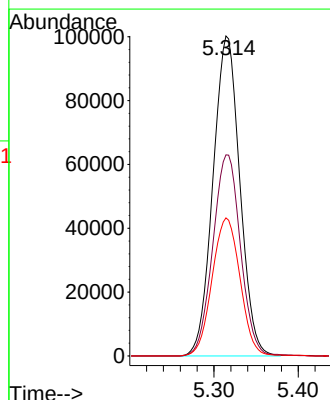
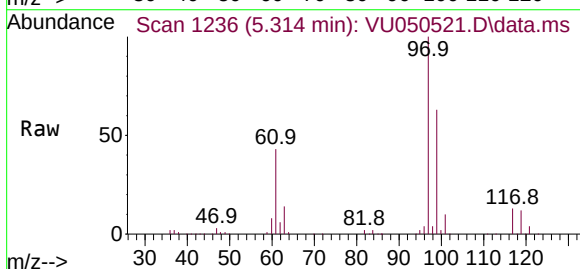
Tgt Ion: 97 Resp: 221484

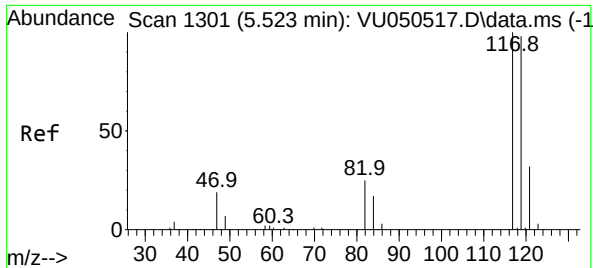
Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

61 44.9 36.4 54.6

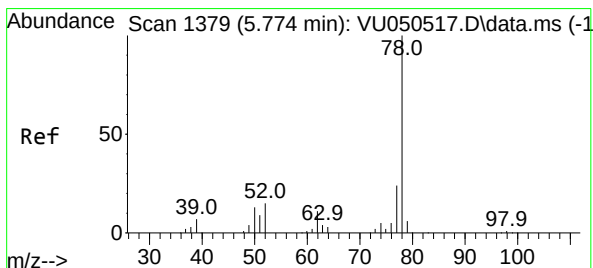
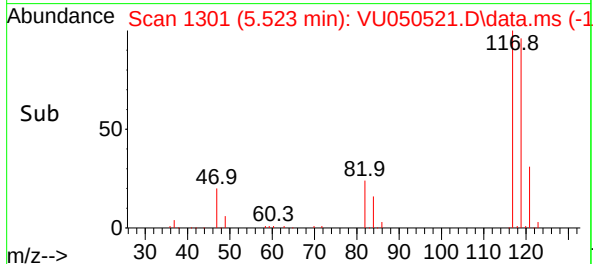
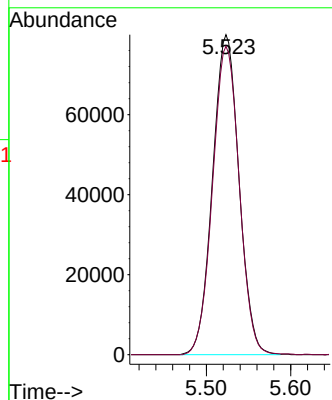
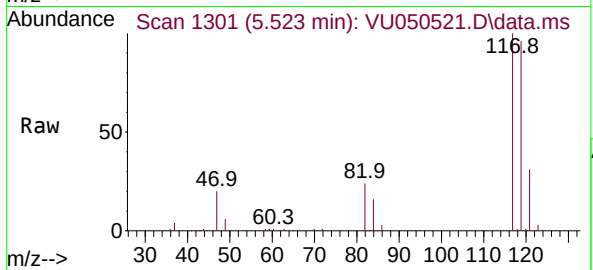




#31
Carbon tetrachloride
Concen: 50.707 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

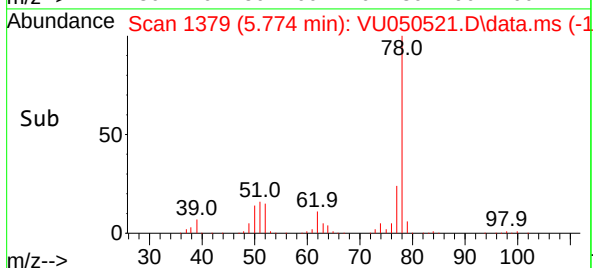
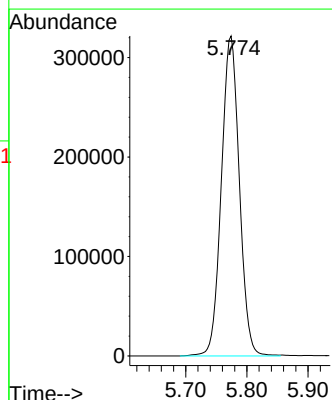
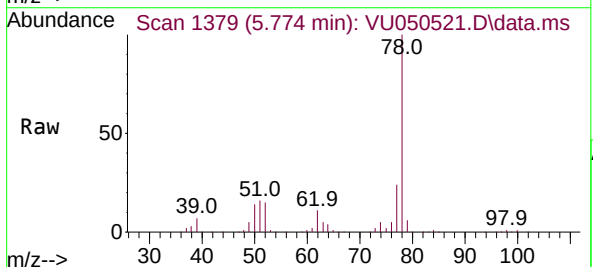
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

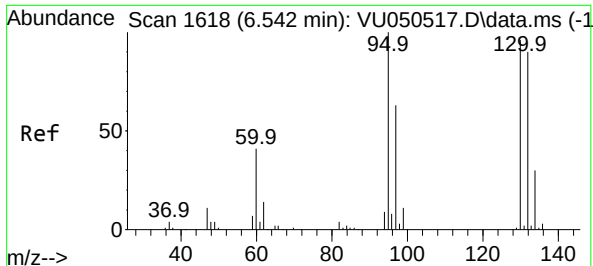
Tgt Ion:117 Resp: 174211
Ion Ratio Lower Upper
117 100
119 97.1 78.8 118.2



#33
Benzene
Concen: 48.735 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion: 78 Resp: 657538



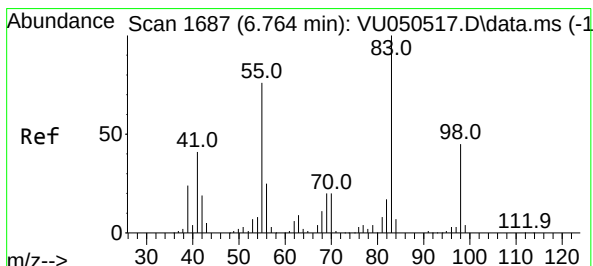
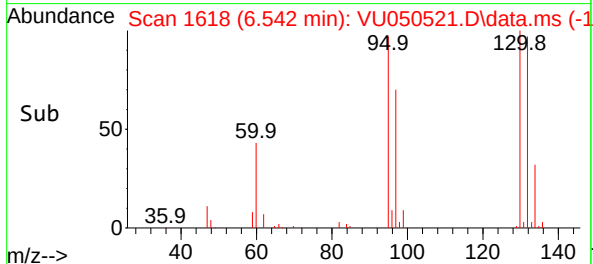
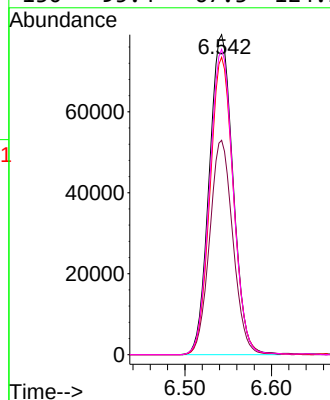
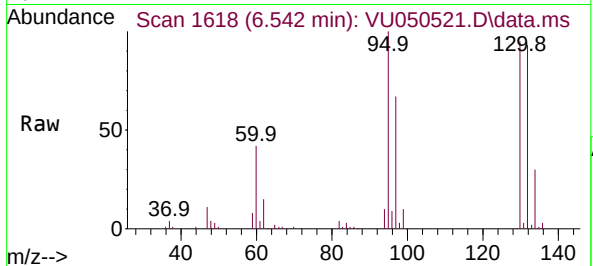


#34
Trichloroethene
Concen: 48.704 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

Tgt Ion: 95 Resp: 150788

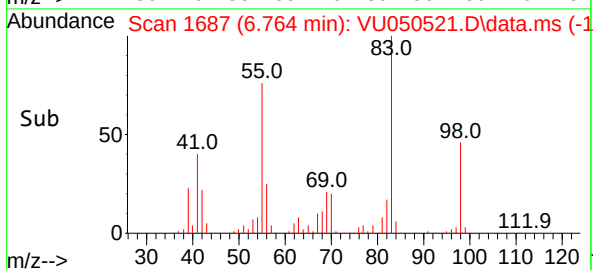
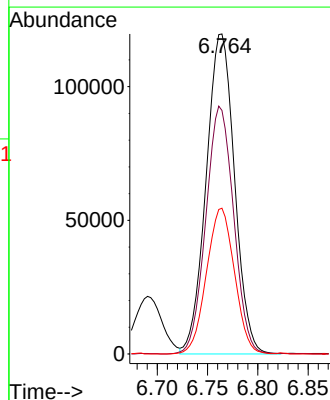
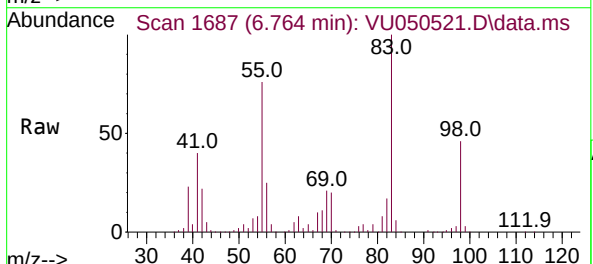
Ion	Ratio	Lower	Upper
95	100		
97	67.0	44.2	82.2
132	92.9	63.2	117.4
130	95.4	67.3	124.9

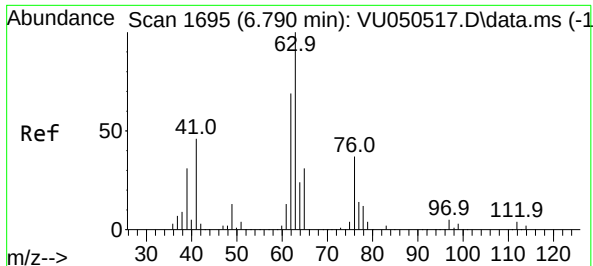


#35
Methylcyclohexane
Concen: 56.537 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion: 83 Resp: 235350

Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.0	91.4
98	44.9	35.7	53.5

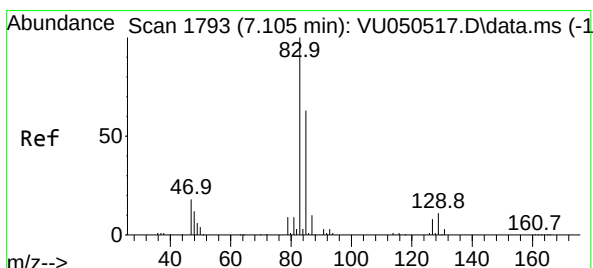
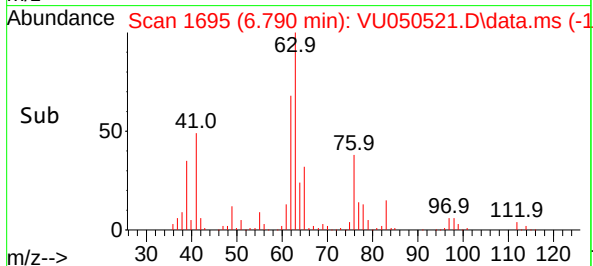
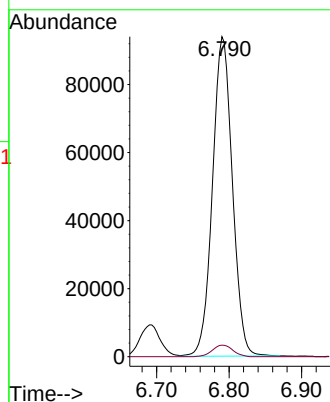
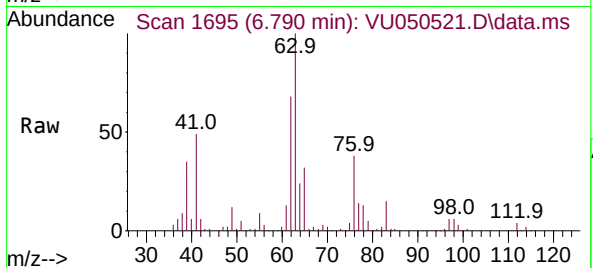




#37
1,2-Dichloropropane
Concen: 48.476 ug/L
RT: 6.790 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

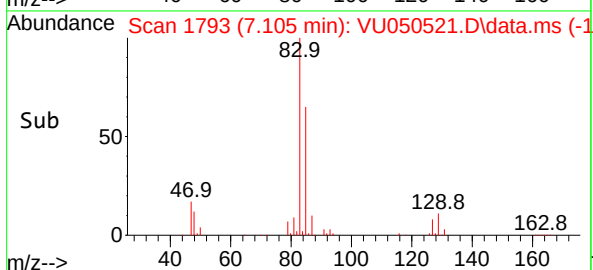
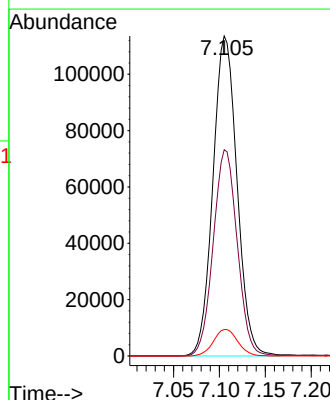
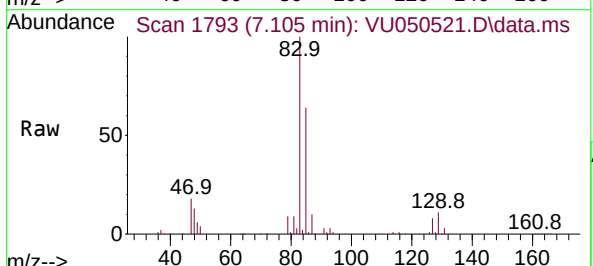
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

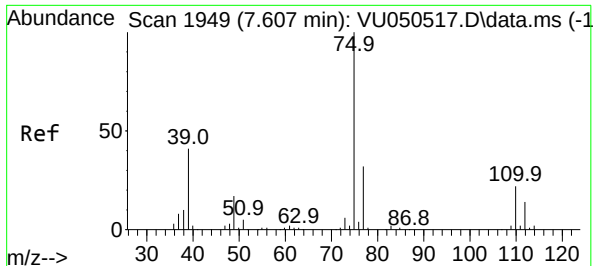
Tgt Ion: 63 Resp: 179071
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.4



#38
Bromodichloromethane
Concen: 49.656 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion: 83 Resp: 207540
Ion Ratio Lower Upper
83 100
85 64.4 44.4 82.4
127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 50.130 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Instrument :

MSVOA_U

ClientSampleId :

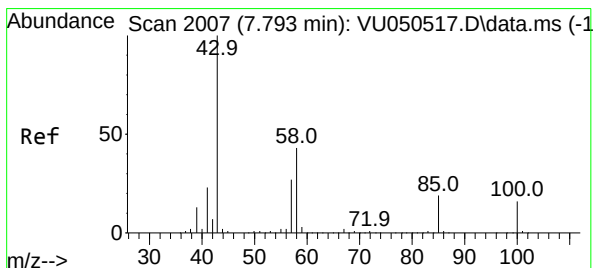
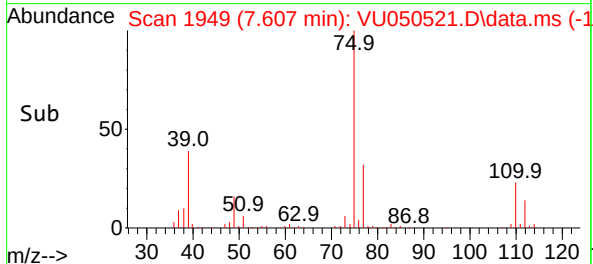
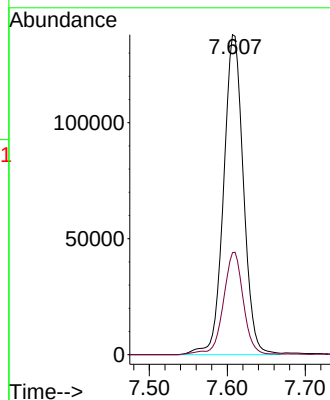
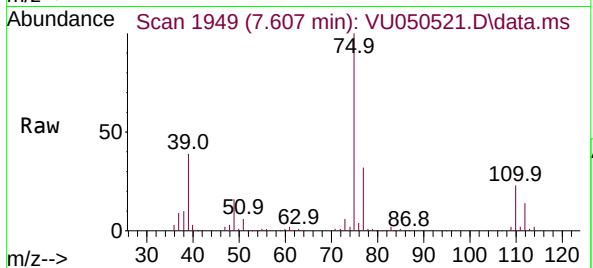
VSTD050182

Tgt Ion: 75 Resp: 243987

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 97.857 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

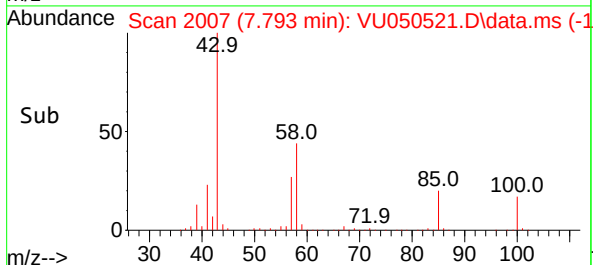
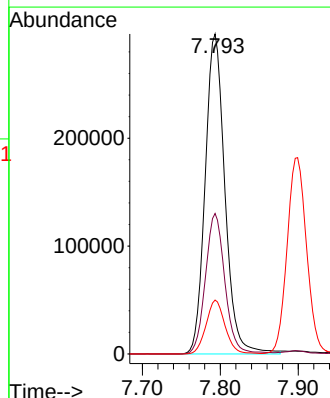
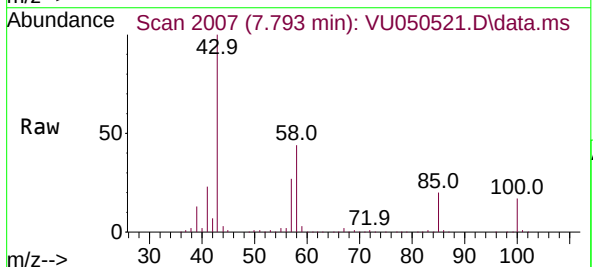
Tgt Ion: 43 Resp: 523247

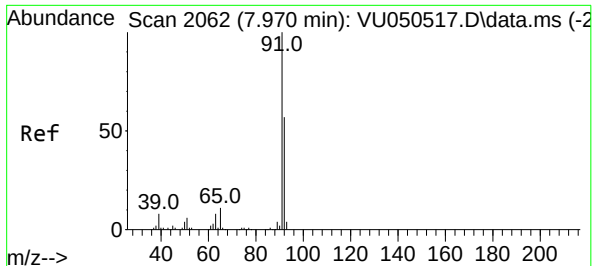
Ion Ratio Lower Upper

43 100

58 43.3 34.2 51.4

100 16.3 12.9 19.3





#42

Toluene

Concen: 50.540 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Instrument :

MSVOA_U

ClientSampleId :

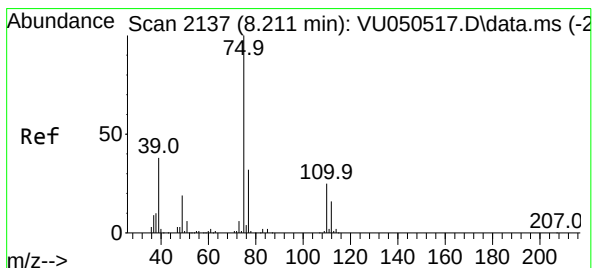
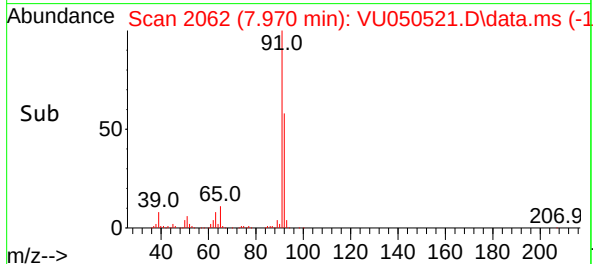
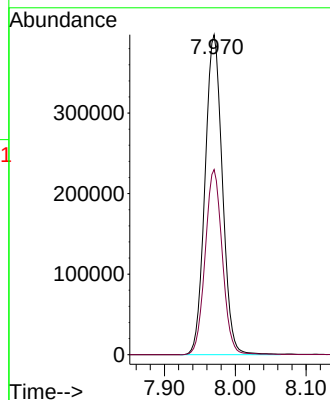
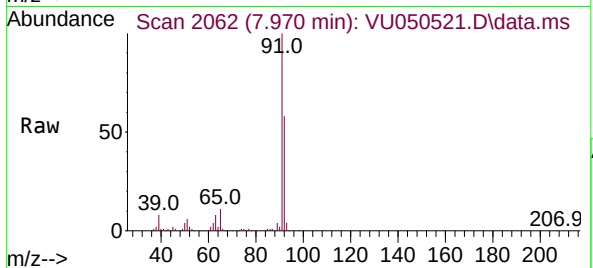
VSTD050182

Tgt Ion: 91 Resp: 676510

Ion Ratio Lower Upper

91 100

92 57.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 50.785 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050521.D

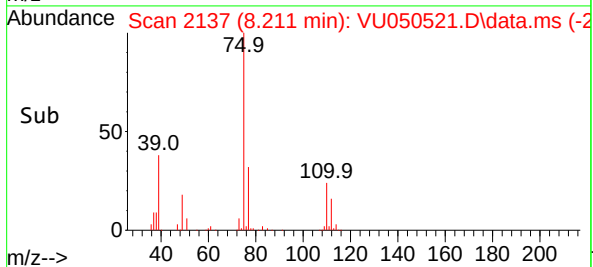
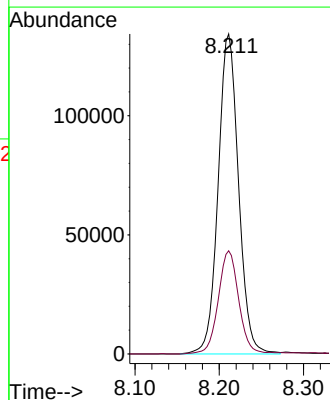
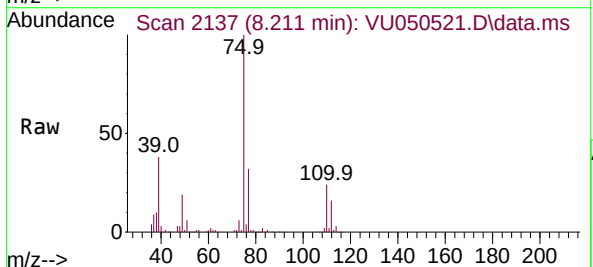
Acq: 30 Aug 2022 17:20

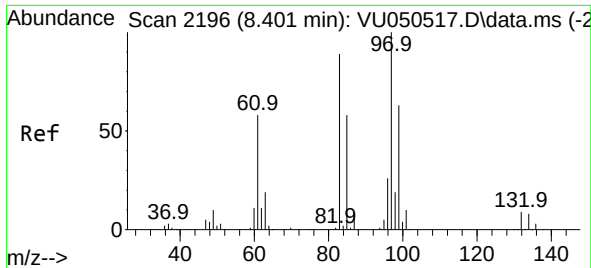
Tgt Ion: 75 Resp: 225169

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2



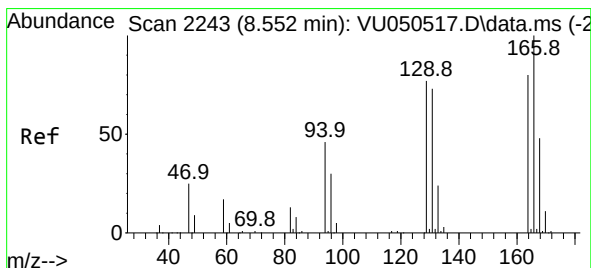
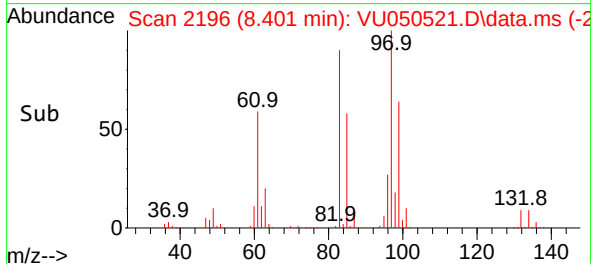
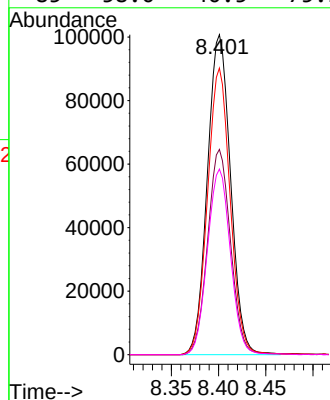
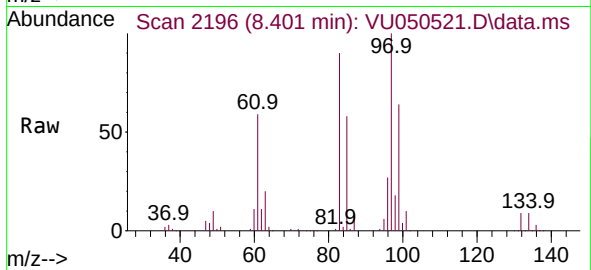


#45
1,1,2-Trichloroethane
Concen: 48.057 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

Tgt Ion: 97 Resp: 172309

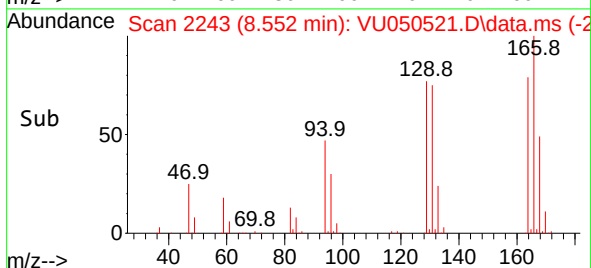
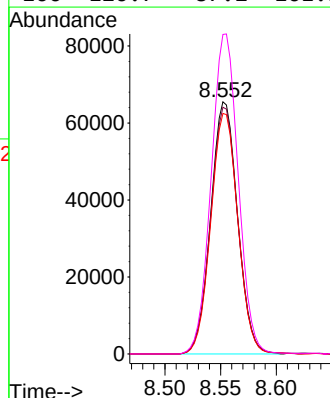
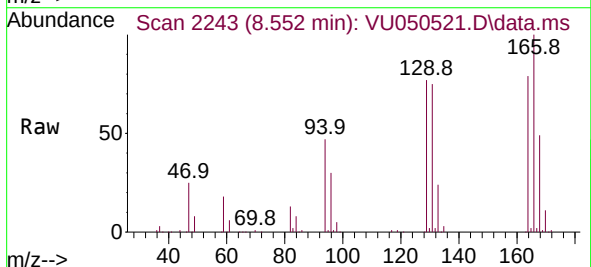
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.3	82.3
83	89.5	62.1	115.3
85	58.0	40.5	75.1

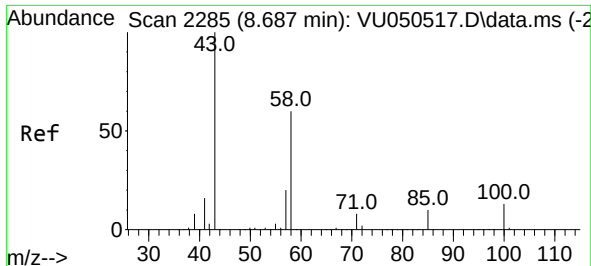


#46
Tetrachloroethene
Concen: 50.893 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion: 164 Resp: 110221

Ion	Ratio	Lower	Upper
164	100		
129	97.9	67.5	125.3
131	95.4	63.8	118.4
166	126.7	87.2	161.9

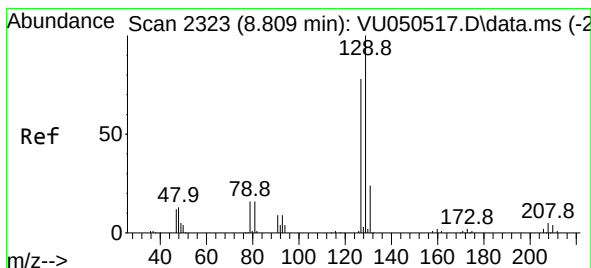
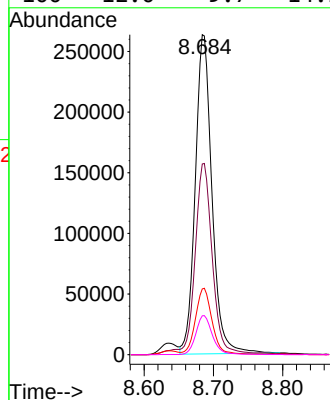
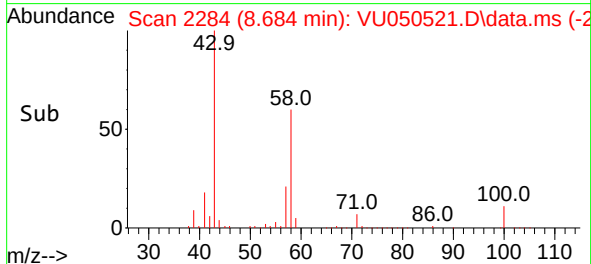
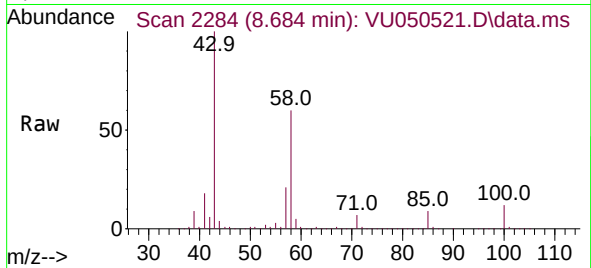




#48
2-Hexanone
Concen: 96.881 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

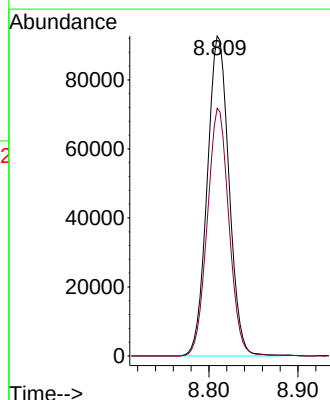
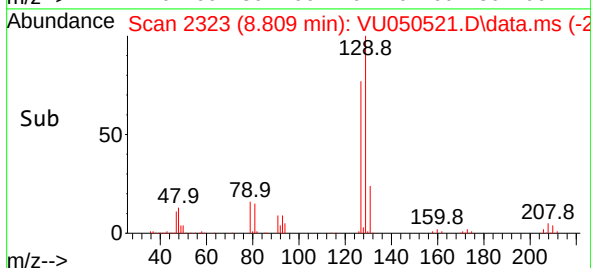
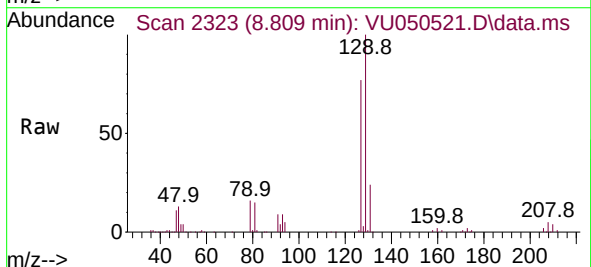
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

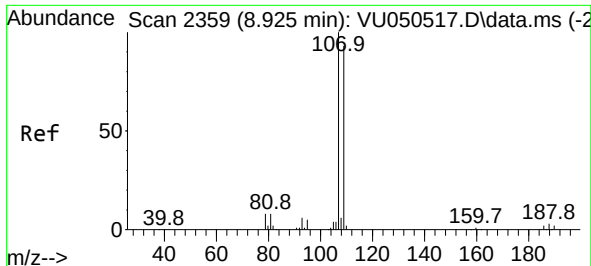
Tgt Ion: 43	Resp: 442844
Ion Ratio	Lower Upper
43 100	
58 59.4	46.6 69.8
57 20.4	15.8 23.6
100 12.0	9.7 14.5



#49
Dibromochloromethane
Concen: 50.580 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion:129	Resp: 157456
Ion Ratio	Lower Upper
129 100	
127 77.4	54.9 101.9





#50

1,2-Dibromoethane

Concen: 48.398 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

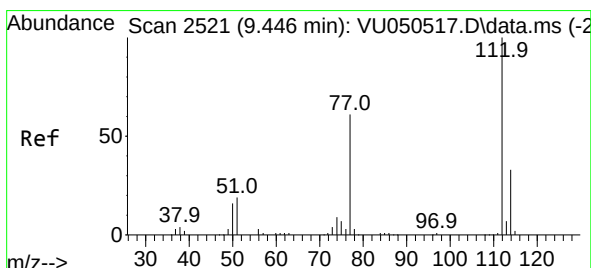
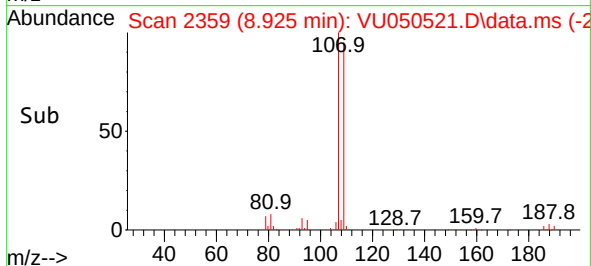
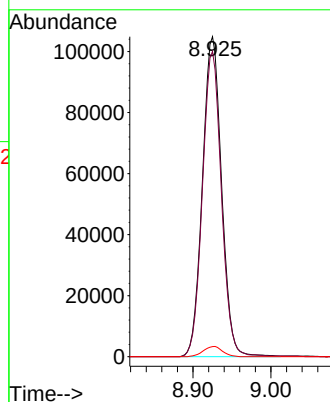
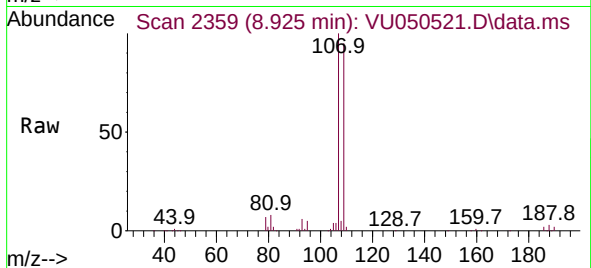
Tgt Ion:107 Resp: 179132

Ion Ratio Lower Upper

107 100

109 95.4 65.2 121.0

188 3.3 2.7 4.1



#51

Chlorobenzene

Concen: 48.647 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

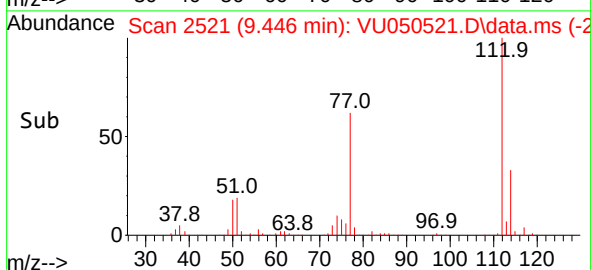
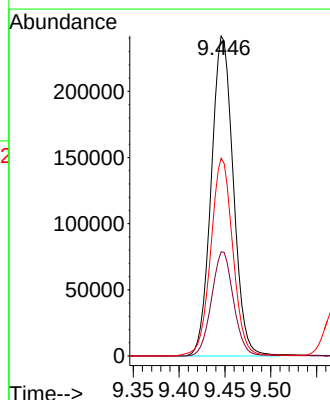
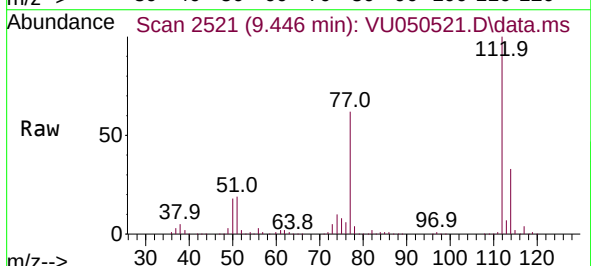
Tgt Ion:112 Resp: 405235

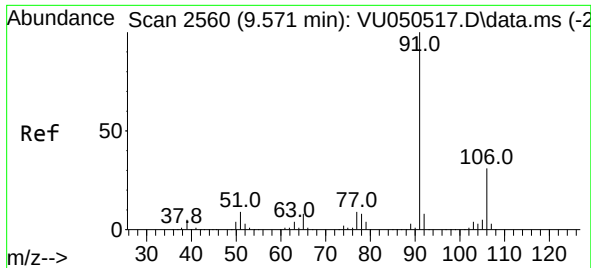
Ion Ratio Lower Upper

112 100

114 32.5 23.0 42.6

77 61.8 49.4 74.2

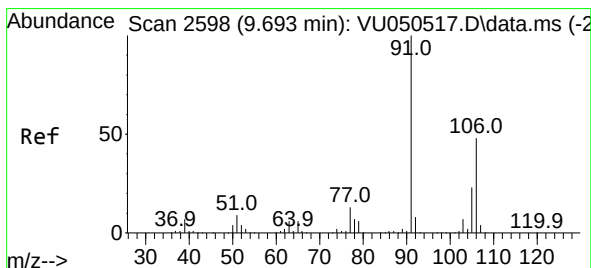
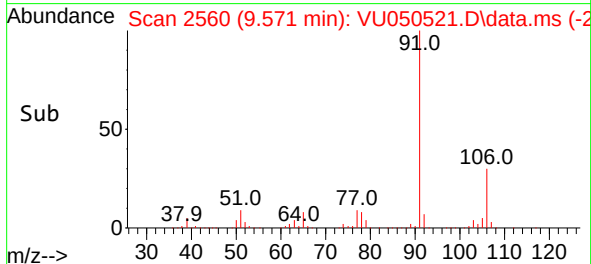
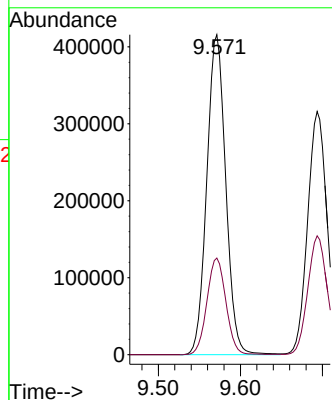
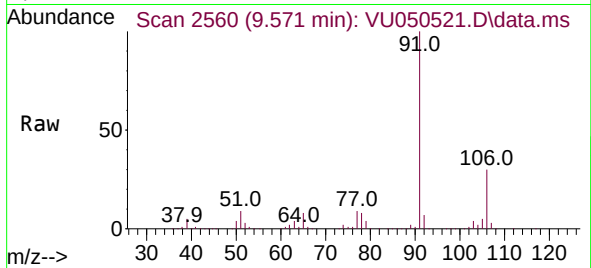




#52
Ethylbenzene
Concen: 51.414 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

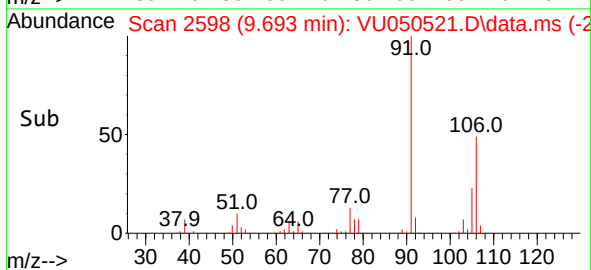
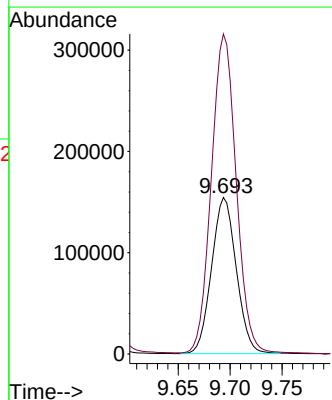
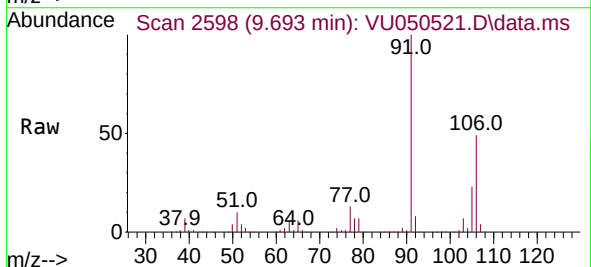
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

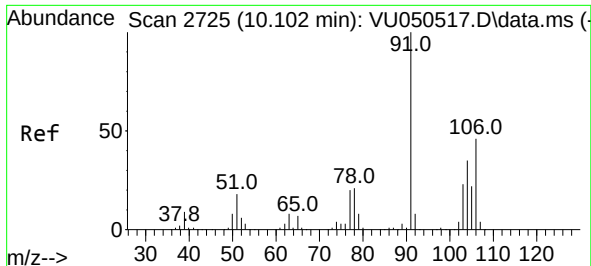
Tgt Ion: 91 Resp: 666129
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 52.259 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion: 106 Resp: 255094
Ion Ratio Lower Upper
106 100
91 204.6 145.1 269.5

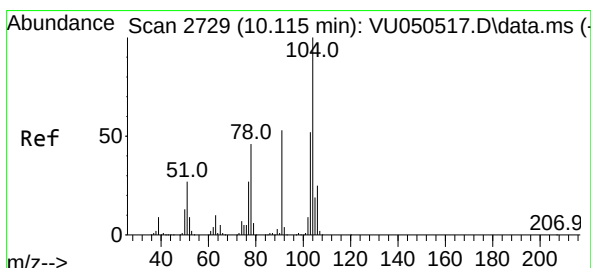
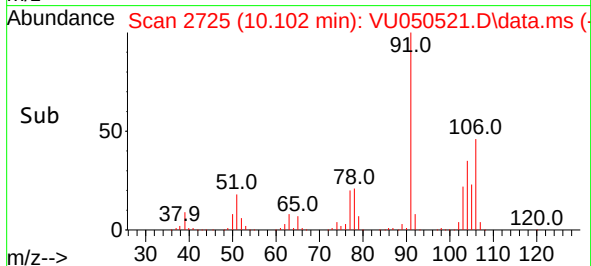
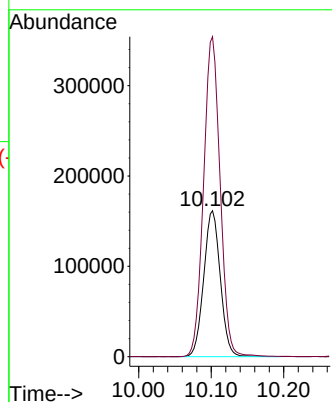
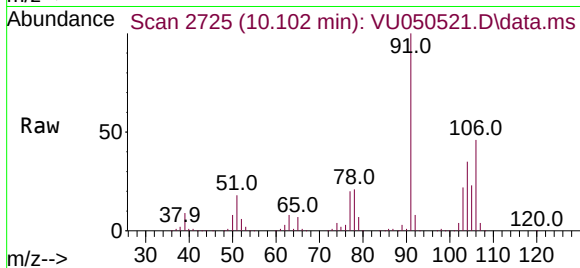




#54
o-Xylene
Concen: 51.694 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

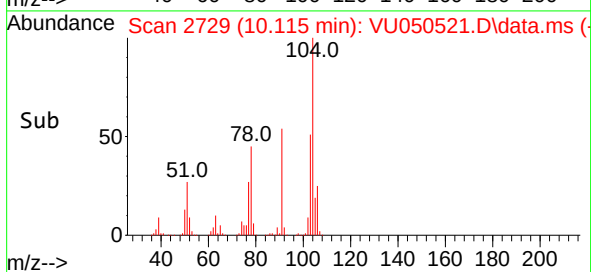
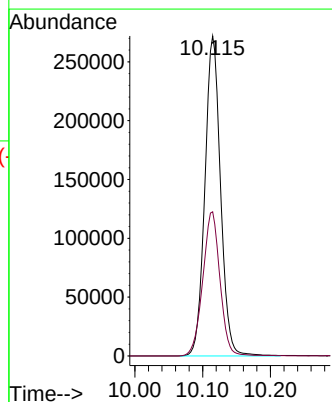
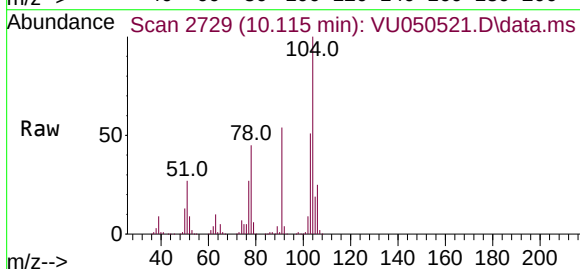
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

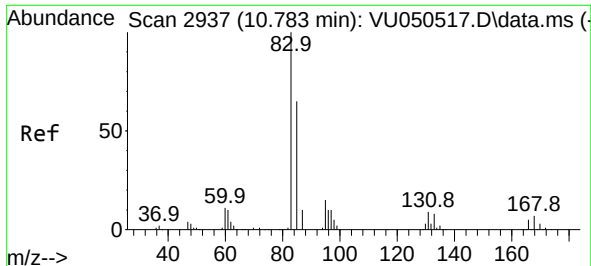
Tgt Ion:106 Resp: 256692
Ion Ratio Lower Upper
106 100
91 219.3 152.0 282.2



#55
Styrene
Concen: 53.003 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion:104 Resp: 436751
Ion Ratio Lower Upper
104 100
78 45.1 32.0 59.4

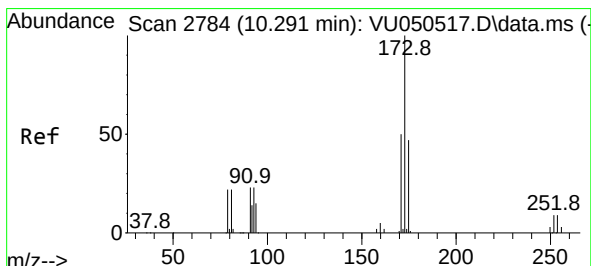
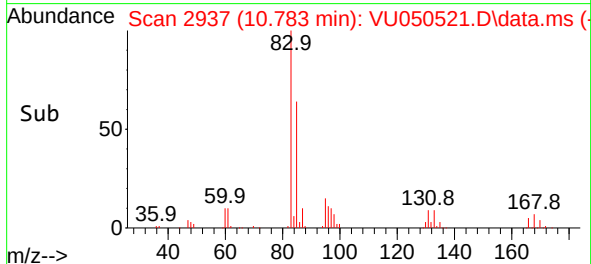
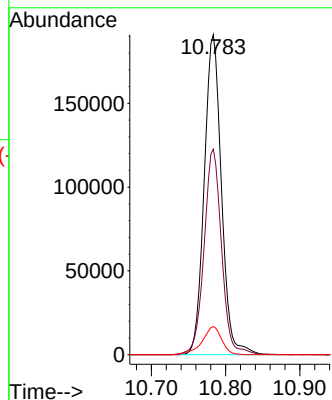
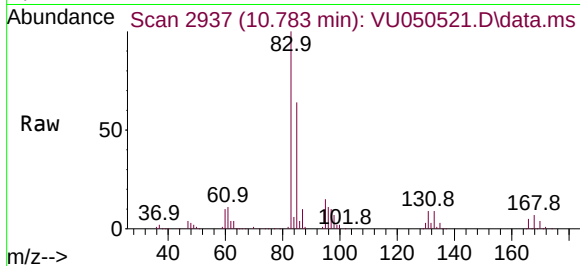




#57
1,1,2,2-Tetrachloroethane
Concen: 47.979 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

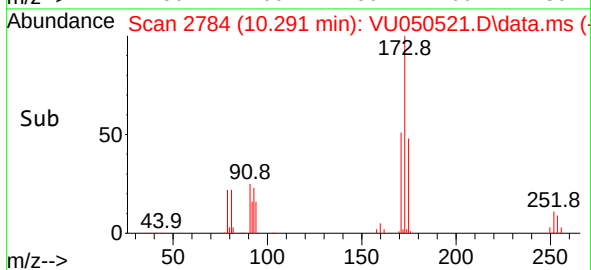
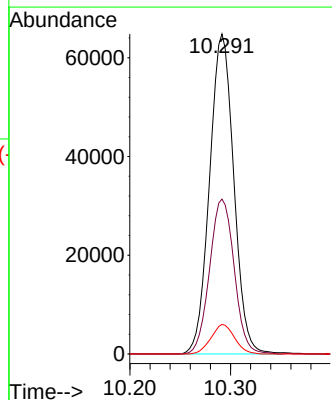
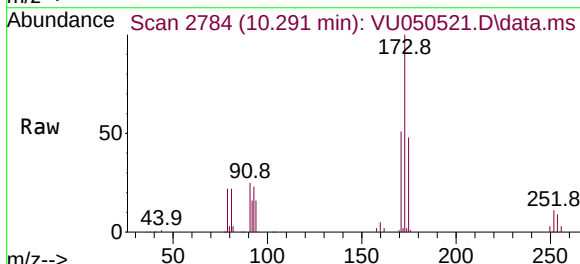
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

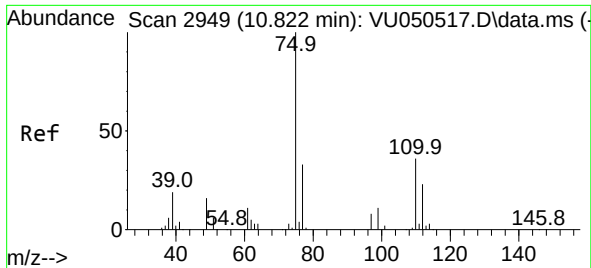
Tgt Ion: 83 Resp: 306939
Ion Ratio Lower Upper
83 100
85 64.2 45.3 84.1
131 8.8 7.2 10.8



#59
Bromoform
Concen: 46.375 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion:173 Resp: 108476
Ion Ratio Lower Upper
173 100
175 49.1 37.8 56.8
254 9.0 7.7 11.5

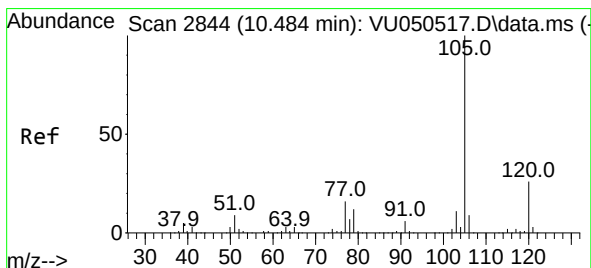
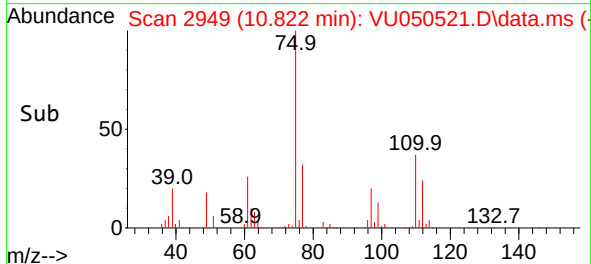
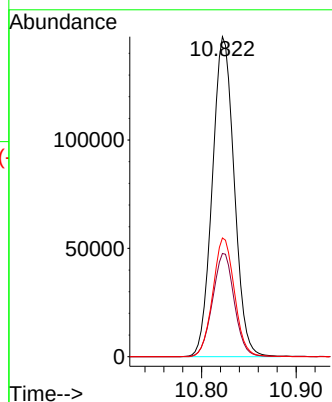
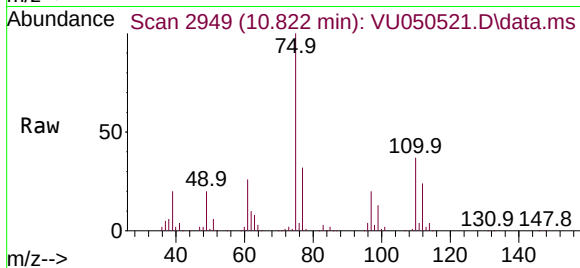




#60
1,2,3-Trichloropropane
Concen: 45.320 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

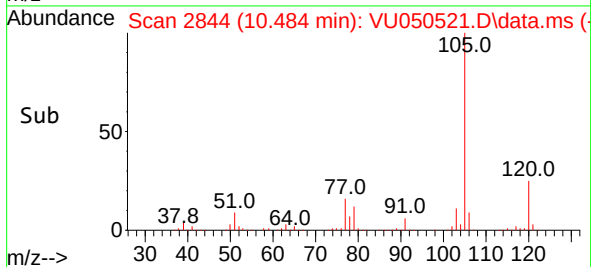
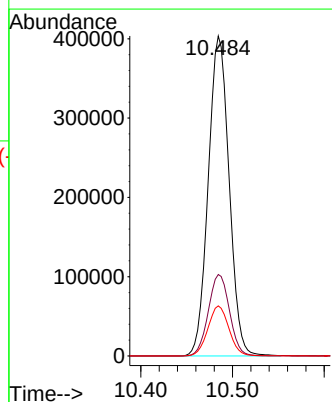
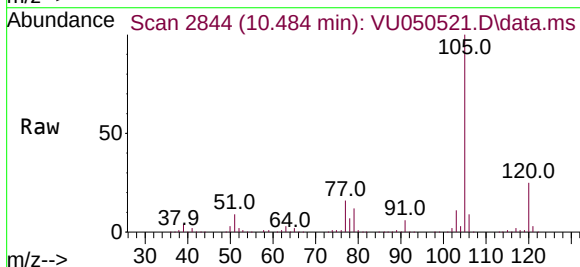
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

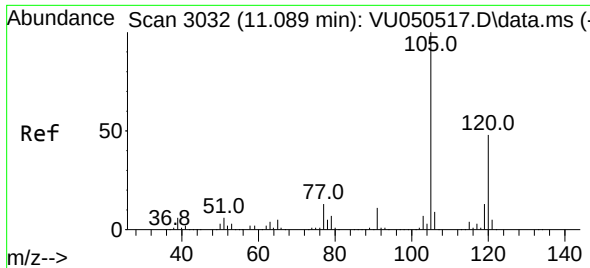
Tgt Ion: 75 Resp: 237664
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.4
110 36.7 29.0 43.6



#61
Isopropylbenzene
Concen: 51.114 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion: 105 Resp: 636710
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 15.8 12.6 19.0

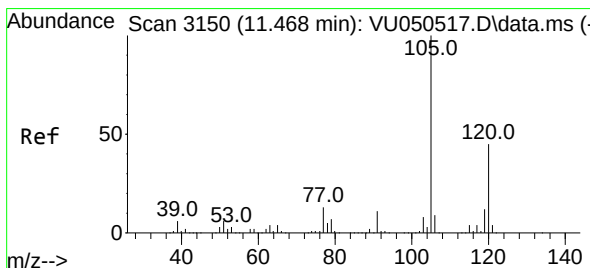
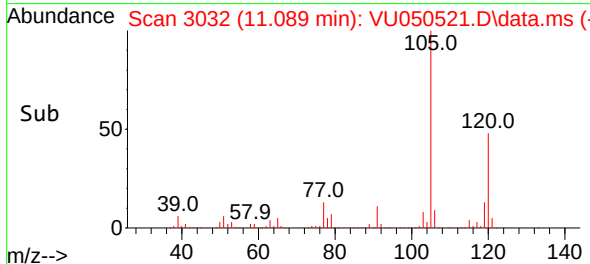
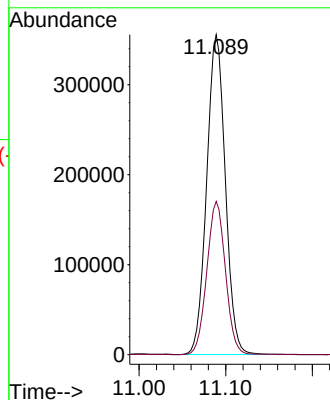
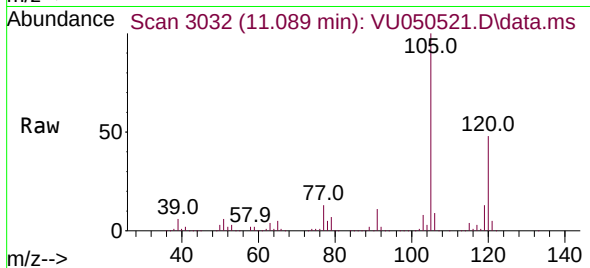




#62
 1,3,5-Trimethylbenzene
 Concen: 51.907 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

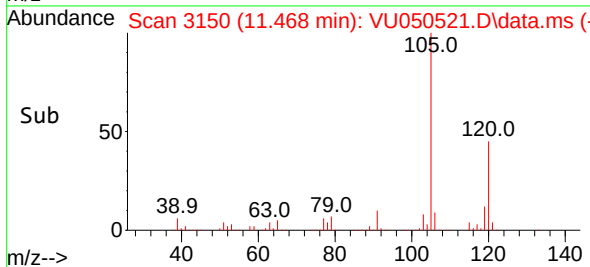
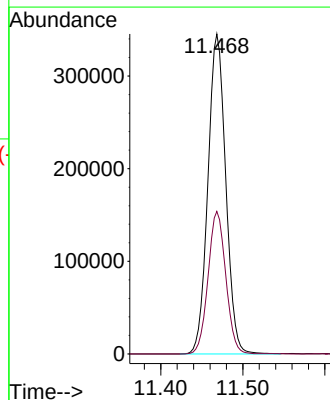
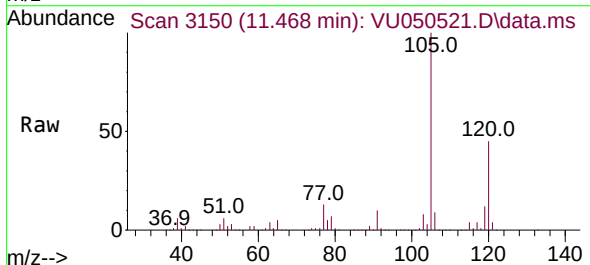
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050182

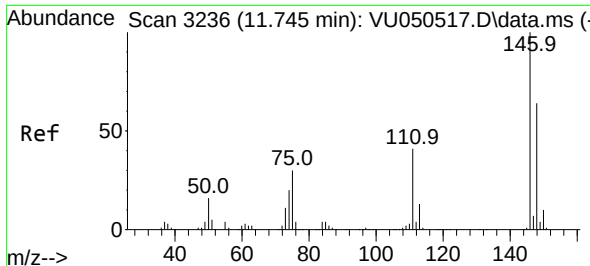
Tgt Ion:105 Resp: 531547
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.2 57.2



#63
 1,2,4-Trimethylbenzene
 Concen: 52.417 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

Tgt Ion:105 Resp: 521370
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.6 53.4

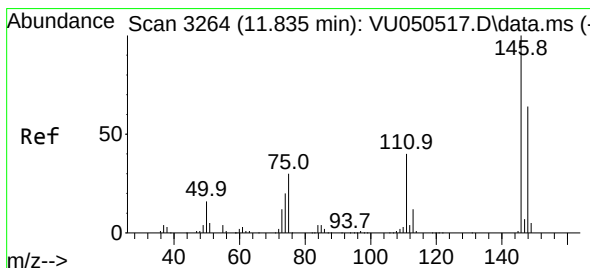
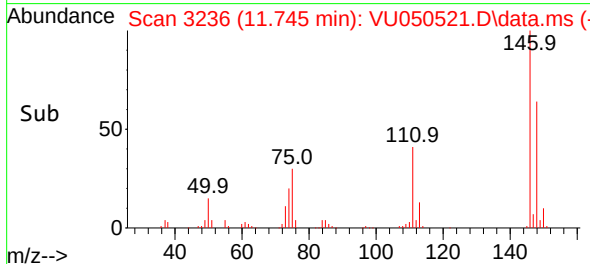
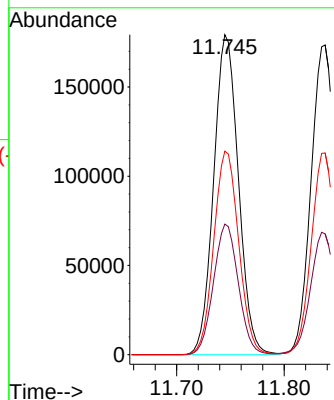
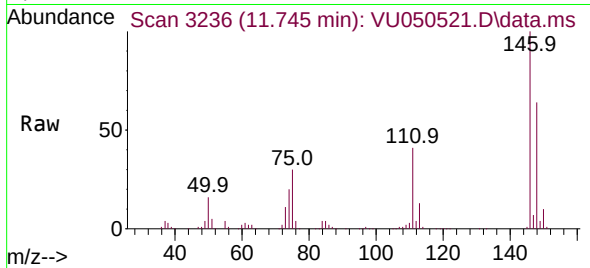




#64
1,3-Dichlorobenzene
Concen: 48.270 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

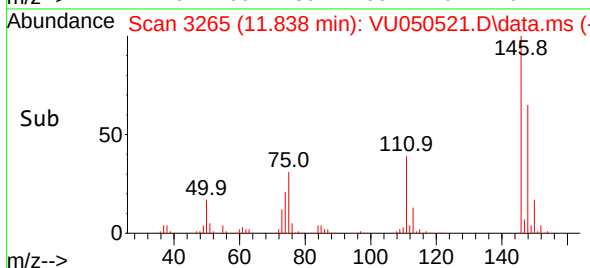
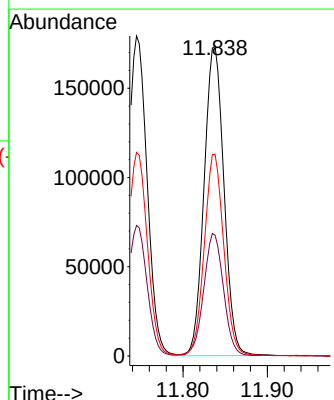
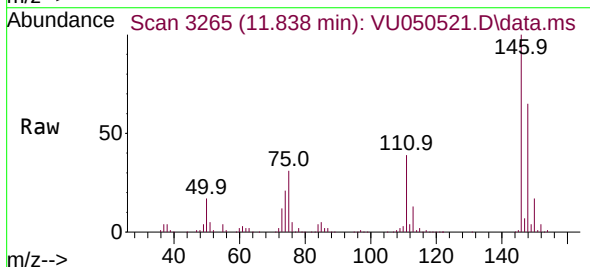
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

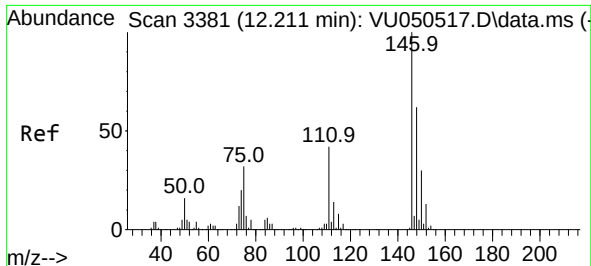
Tgt Ion:146 Resp: 286911
Ion Ratio Lower Upper
146 100
111 40.8 28.4 52.8
148 63.6 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 47.154 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU050521.D
Acq: 30 Aug 2022 17:20

Tgt Ion:146 Resp: 284209
Ion Ratio Lower Upper
146 100
111 39.0 28.2 52.4
148 65.1 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 47.152 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

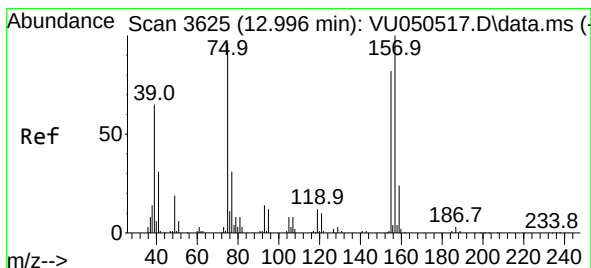
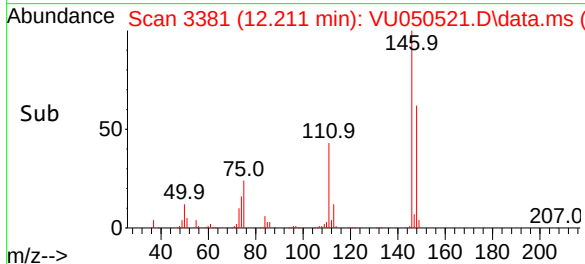
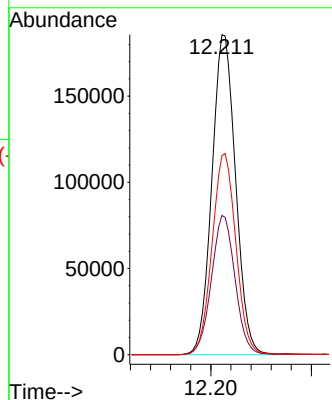
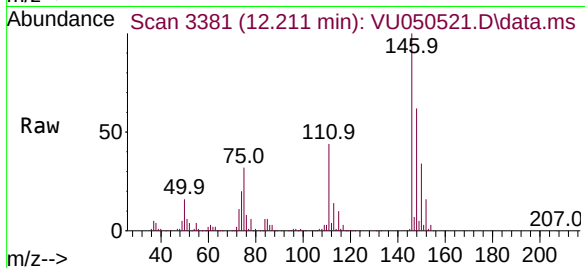
Tgt Ion:146 Resp: 303830

Ion Ratio Lower Upper

146 100

111 43.5 33.4 50.2

148 62.2 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 48.074 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

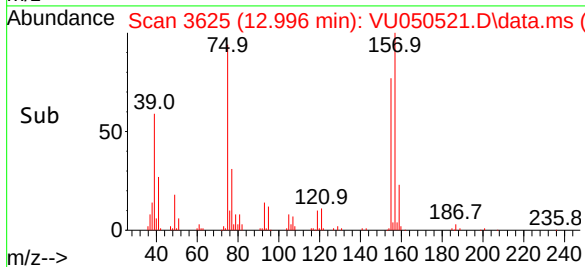
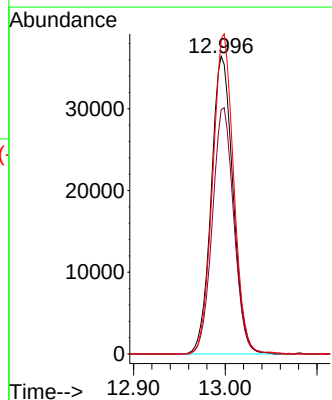
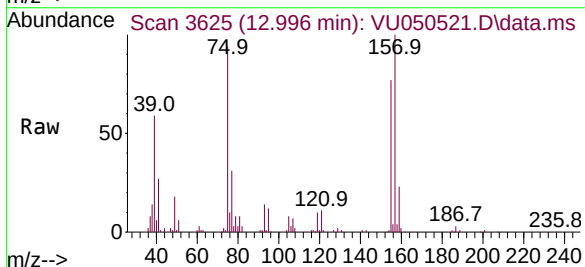
Tgt Ion: 75 Resp: 60161

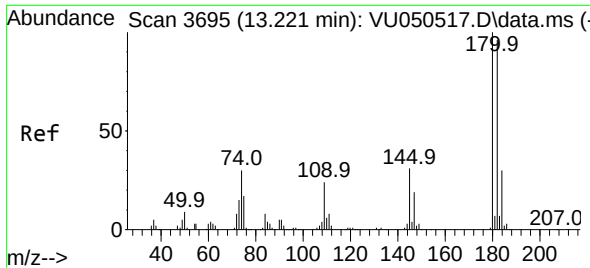
Ion Ratio Lower Upper

75 100

155 82.0 71.4 107.2

157 105.9 83.2 124.8



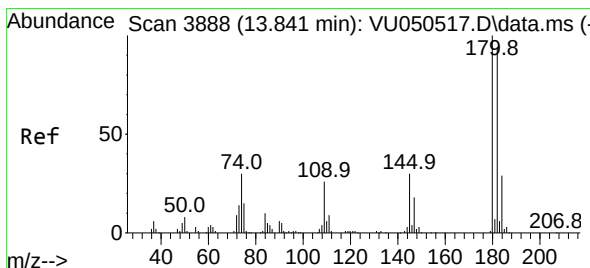
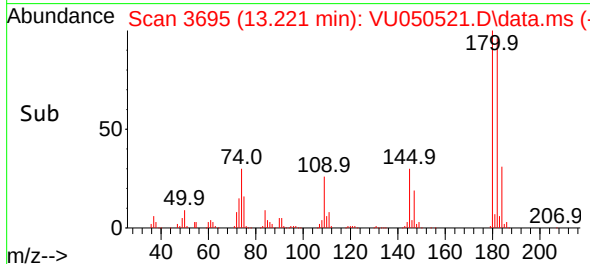
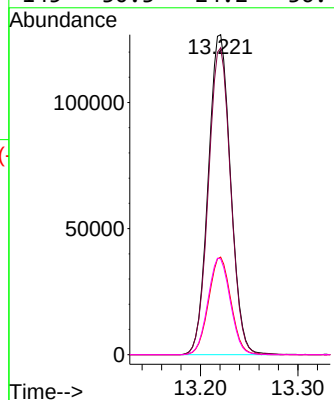
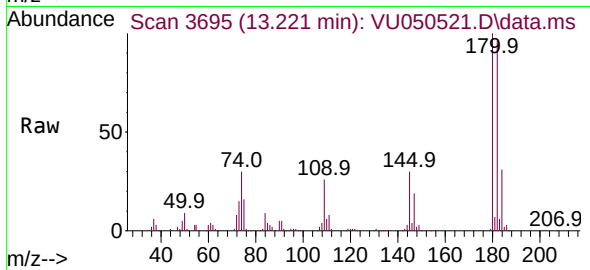


#69
 1,3,5-Trichlorobenzene
 Concen: 49.712 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050182

Tgt Ion:180 Resp: 202197

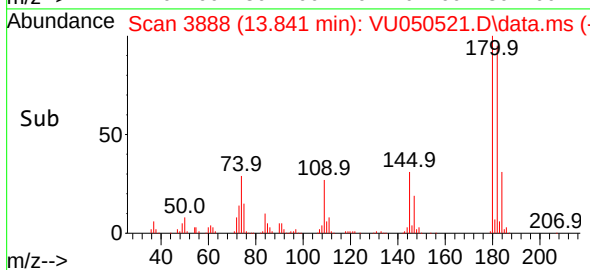
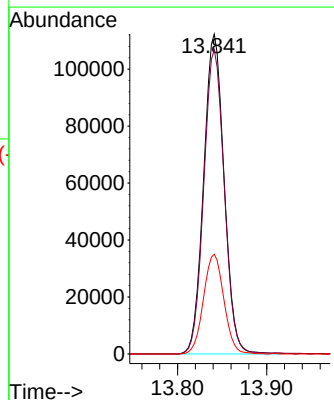
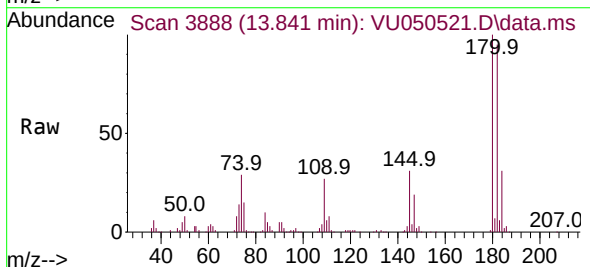
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	30.5	24.4	36.6
145	30.3	24.2	36.4

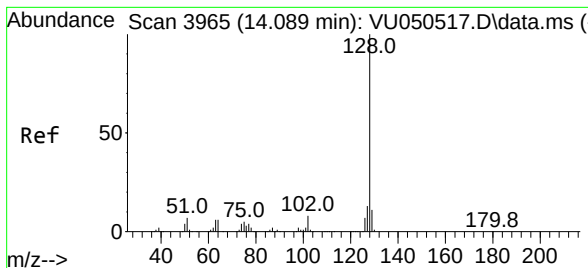


#70
 1,2,4-trichlorobenzene
 Concen: 49.475 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050521.D
 Acq: 30 Aug 2022 17:20

Tgt Ion:180 Resp: 178988

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.6	115.0
145	31.1	24.2	36.4





#71

Naphthalene

Concen: 46.374 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

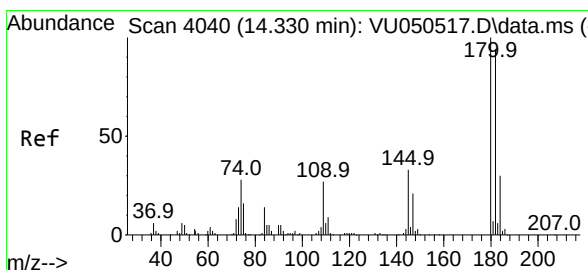
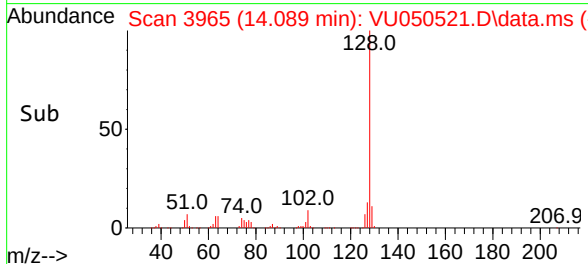
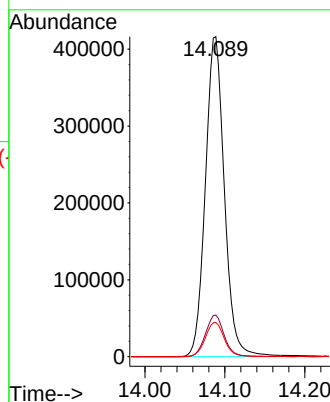
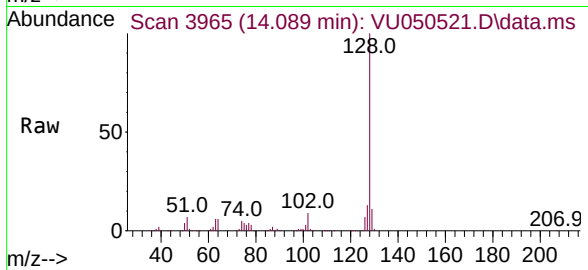
Tgt Ion:128 Resp: 688351

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 48.284 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU050521.D

Acq: 30 Aug 2022 17:20

Tgt Ion:180 Resp: 201876

Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

145 32.6 26.2 39.2

