

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050522\
 Data File : VU048428.D
 Acq On : 05 May 2022 09:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

Quant Time: May 06 05:26:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 05 02:16:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	363890	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	366709	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	208487	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	158867	47.476	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.960%
7) Chloroethane-d5	1.912	69	112544	47.915	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.820%
11) 1,1-Dichloroethene-d2	2.568	63	252489	47.092	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.180%
21) 2-Butanone-d5	4.636	46	269215	94.328	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.330%
24) Chloroform-d	5.067	84	293336	48.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.660%
26) 1,2-Dichloroethane-d4	5.703	65	169314	47.016	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.040%
32) Benzene-d6	5.729	84	625156	54.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.100%
36) 1,2-Dichloropropane-d6	6.694	67	198314	51.866	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.740%
41) Toluene-d8	7.899	98	578721	55.203	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.400%
43) trans-1,3-Dichloroprop...	8.182	79	86517	51.279	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.560%
47) 2-Hexanone-d5	8.642	63	190914	92.546	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.550%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	314369	46.879	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.760%
66) 1,2-Dichlorobenzene-d4	12.195	152	238740	50.904	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	105948	38.532	ug/L	100
3) Chloromethane	1.523	50	117601	37.367	ug/L	99
5) Vinyl chloride	1.604	62	129648	40.879	ug/L	96
6) Bromomethane	1.858	94	73146	50.184	ug/L	100
8) Chloroethane	1.932	64	76567	42.697	ug/L	98
9) Trichlorofluoromethane	2.134	101	186699	45.172	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	131556	47.992	ug/L	98
12) 1,1-Dichloroethene	2.578	96	110075	46.003	ug/L	90
13) Acetone	2.649	43	195433	106.664	ug/L	95
14) Carbon disulfide	2.793	76	208239	35.708	ug/L	100
15) Methyl Acetate	2.954	43	170167	46.786	ug/L	99
16) Methylene chloride	3.047	84	151040	48.962	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	116357	46.810	ug/L	94
18) Methyl tert-butyl Ether	3.366	73	439359	53.570	ug/L	98
19) 1,1-Dichloroethane	3.871	63	254346	48.931	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	154087	51.426	ug/L	92
22) 2-Butanone	4.716	43	275968	101.857	ug/L	98
23) Bromochloromethane	4.980	128	83685	50.026	ug/L	95
25) Chloroform	5.089	83	265736	50.064	ug/L	100

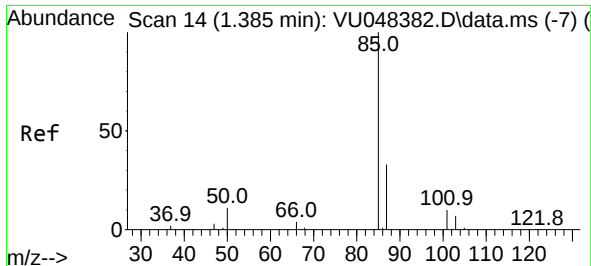
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050522\
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 Quant Title : VOC Analysis
 QLast Update : Thu May 05 02:16:45 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	182931	47.249	ug/L	100
29) Cyclohexane	5.391	56	168207	48.548	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	214263	51.668	ug/L	98
31) Carbon tetrachloride	5.526	117	183969	52.050	ug/L	100
33) Benzene	5.774	78	565692	52.103	ug/L	100
34) Trichloroethene	6.542	95	137546	51.685	ug/L	98
35) Methylcyclohexane	6.764	83	190259	50.922	ug/L	98
37) 1,2-Dichloropropane	6.793	63	164486	53.248	ug/L	99
38) Bromodichloromethane	7.108	83	201240	51.586	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	233824	53.830	ug/L	100
40) 4-Methyl-2-pentanone	7.800	43	488040	104.749	ug/L	98
42) Toluene	7.970	91	608656	53.396	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	222623	52.462	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	168655	52.038	ug/L	99
46) Tetrachloroethene	8.555	164	120111	52.589	ug/L	98
48) 2-Hexanone	8.694	43	393115	101.040	ug/L	98
49) Dibromochloromethane	8.812	129	185737	52.153	ug/L	100
50) 1,2-Dibromoethane	8.925	107	172231	52.404	ug/L	99
51) Chlorobenzene	9.449	112	426750	51.938	ug/L	99
52) Ethylbenzene	9.571	91	637872	54.033	ug/L	99
53) m,p-Xylene	9.697	106	263676	56.600	ug/L	97
54) o-Xylene	10.102	106	269197	57.360	ug/L	95
55) Styrene	10.118	104	453928	56.777	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.787	83	317652	49.660	ug/L	99
59) Bromoform	10.295	173	159063	52.571	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	241109	49.573	ug/L	99
61) Isopropylbenzene	10.484	105	672239	57.668	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	361058	58.765	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	563014	59.602	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	355225	54.354	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	347225	52.042	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	367013	53.309	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	61308	47.219	ug/L	89
69) 1,3,5-Trichlorobenzene	13.221	180	272084	56.027	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	220061	57.359	ug/L	100
71) Naphthalene	14.089	128	642990	58.562	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	227414	57.839	ug/L	99

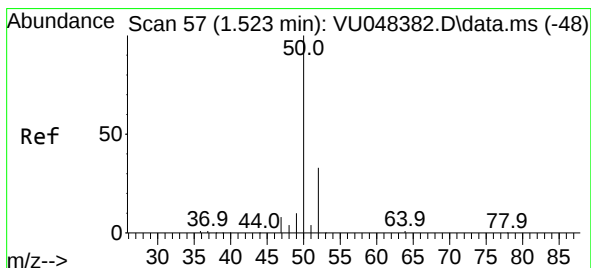
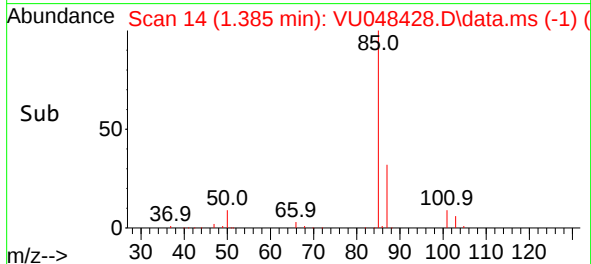
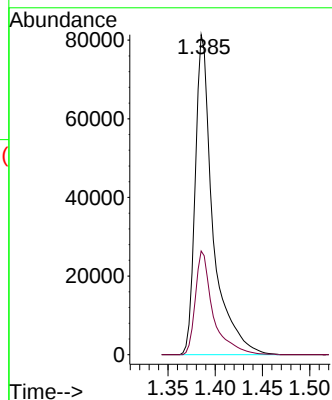
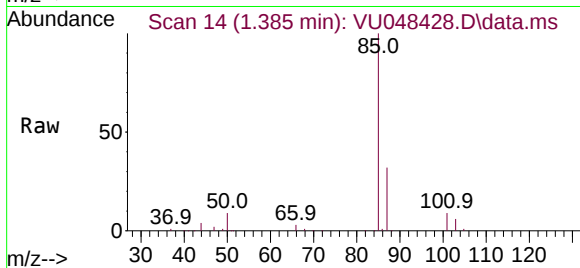
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#2
Dichlorodifluoromethane
Concen: 38.532 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

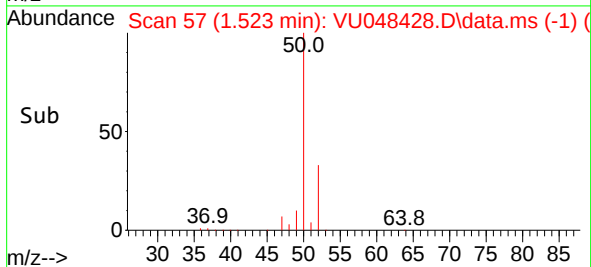
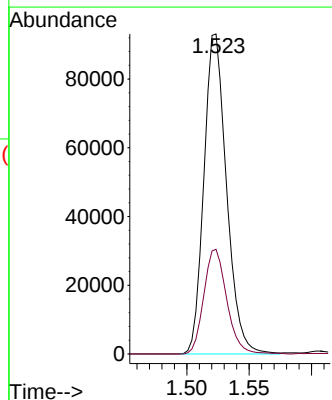
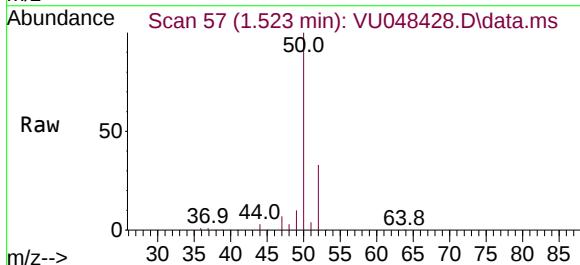
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MSVOA_U
ClientSampleId :
VSTD050115

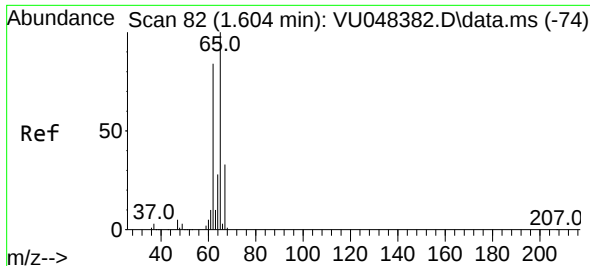
Tgt Ion: 85 Resp: 105948
Ion Ratio Lower Upper
85 100
87 32.3 26.1 39.1



#3
Chloromethane
Concen: 37.367 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 50 Resp: 117601
Ion Ratio Lower Upper
50 100
52 32.7 23.2 43.2

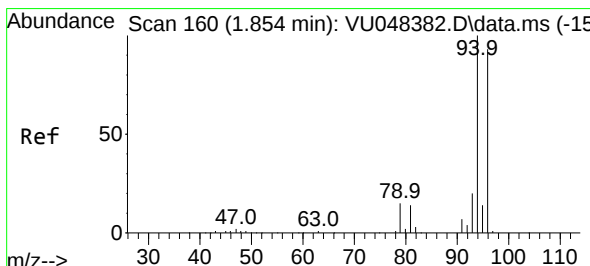
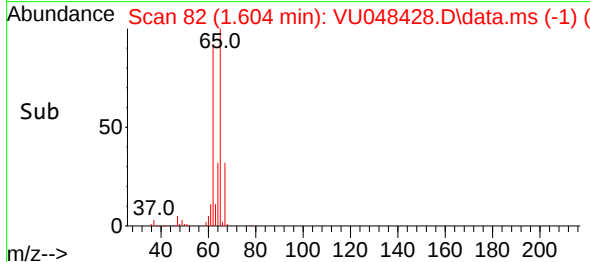
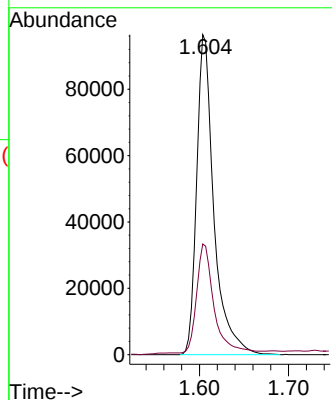
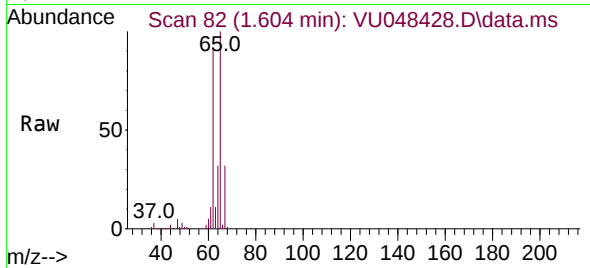




#5
 Vinyl chloride
 Concen: 40.879 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048428.D
 Acq: 05 May 2022 09:45

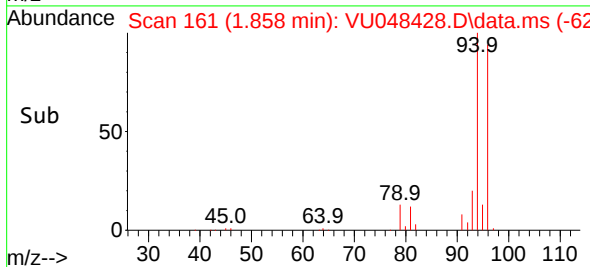
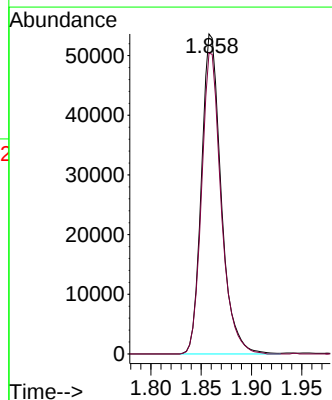
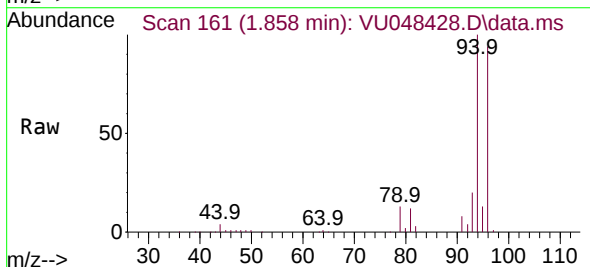
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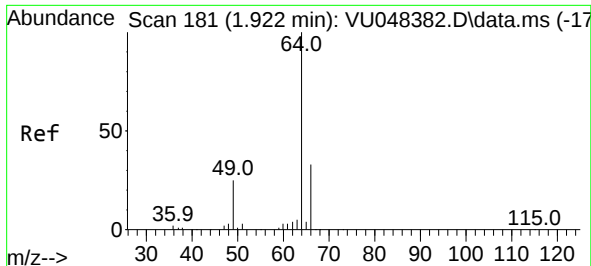
Tgt Ion: 62 Resp: 129648
 Ion Ratio Lower Upper
 62 100
 64 34.6 22.5 41.7



#6
 Bromomethane
 Concen: 50.184 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.019 min
 Lab File: VU048428.D
 Acq: 05 May 2022 09:45

Tgt Ion: 94 Resp: 73146
 Ion Ratio Lower Upper
 94 100
 96 94.0 65.8 122.2

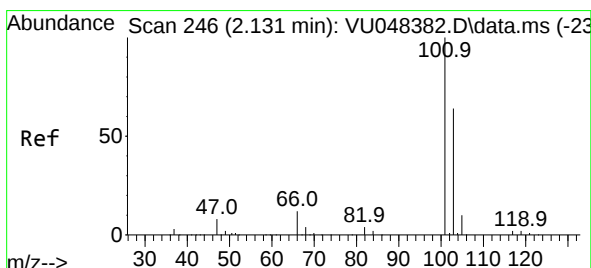
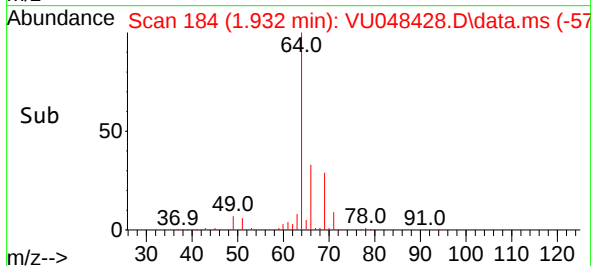
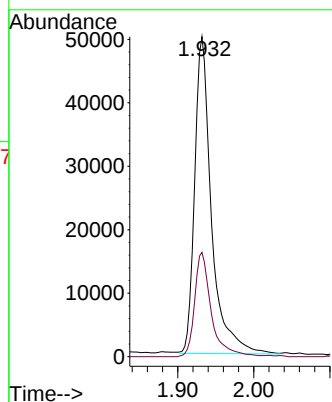
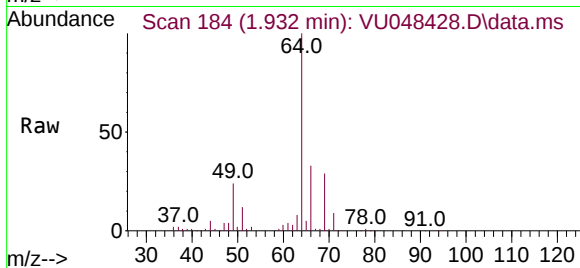




#8
Chloroethane
Concen: 42.697 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

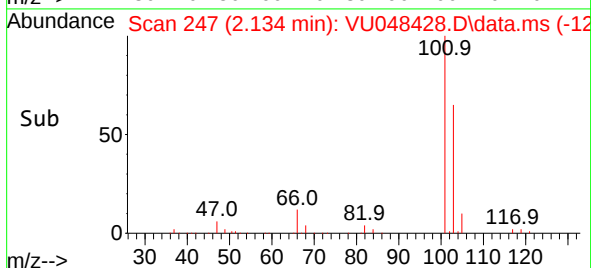
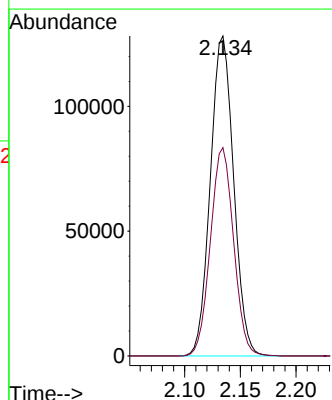
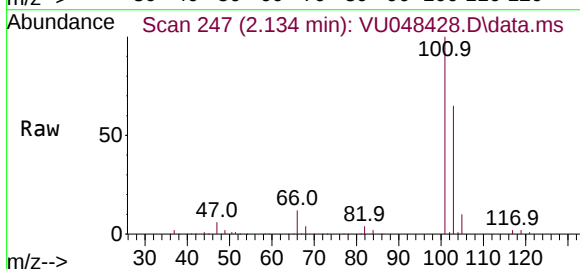
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ClientSampleId :
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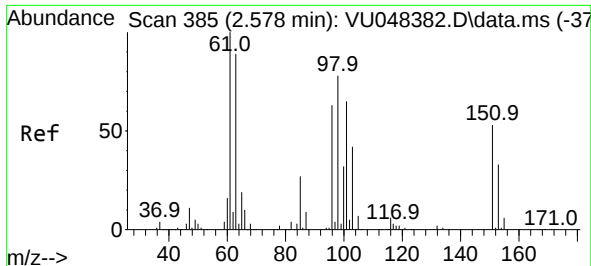
Tgt Ion: 64 Resp: 76567
Ion Ratio Lower Upper
64 100
66 32.6 21.9 40.7



#9
Trichlorofluoromethane
Concen: 45.172 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion:101 Resp: 186699
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9

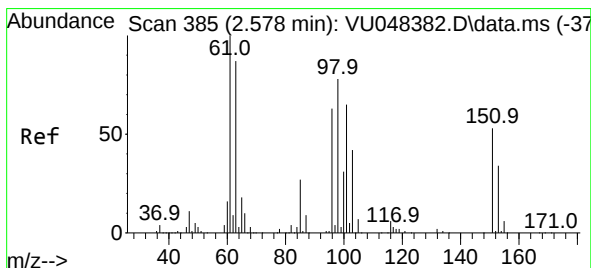
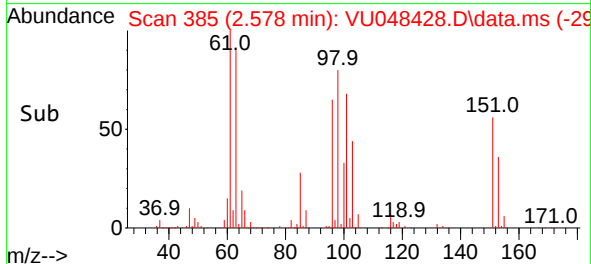
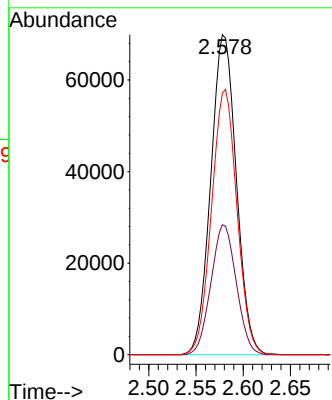
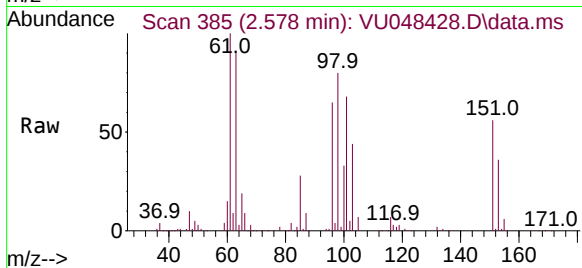




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.992 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU048428.D
 Acq: 05 May 2022 09:45

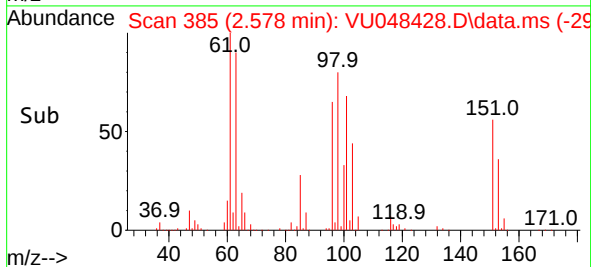
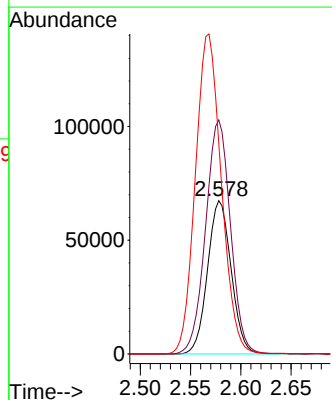
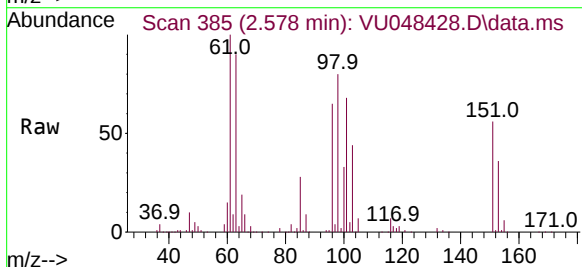
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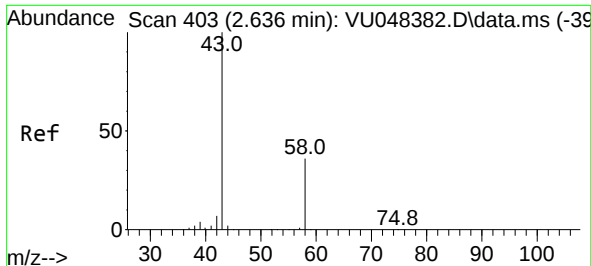
Tgt Ion:101 Resp: 131556
 Ion Ratio Lower Upper
 101 100
 85 40.2 32.6 48.8
 151 82.4 64.1 96.1



#12
 1,1-Dichloroethene
 Concen: 46.003 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU048428.D
 Acq: 05 May 2022 09:45

Tgt Ion: 96 Resp: 110075
 Ion Ratio Lower Upper
 96 100
 61 152.7 107.9 200.3
 63 137.8 80.3 149.1





#13

Acetone

Concen: 106.664 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.019 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Instrument :

MSVOA_U

ClientSampleId :

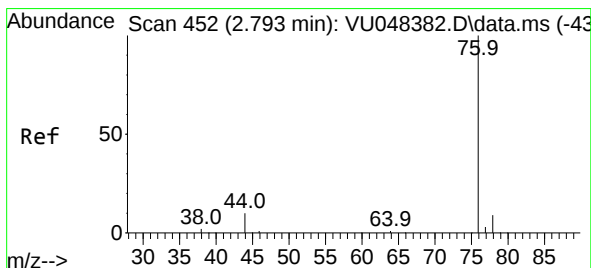
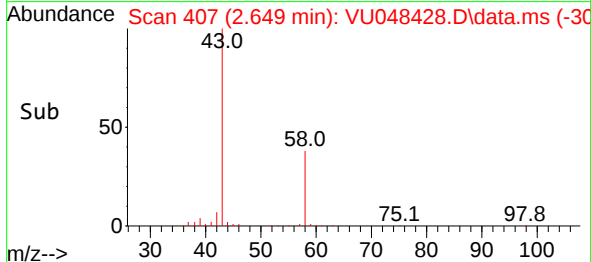
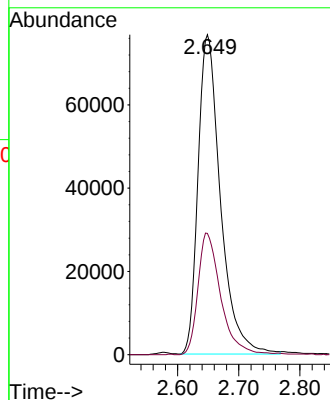
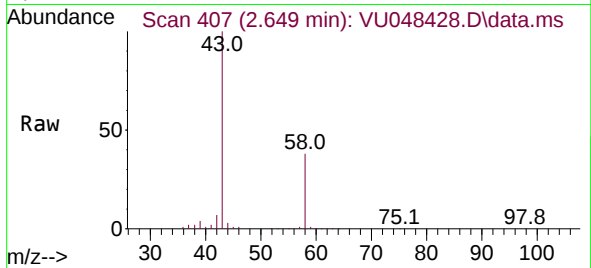
VSTD050115

Tgt Ion: 43 Resp: 195433

Ion Ratio Lower Upper

43 100

58 38.5 0.0 71.2



#14

Carbon disulfide

Concen: 35.708 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU048428.D

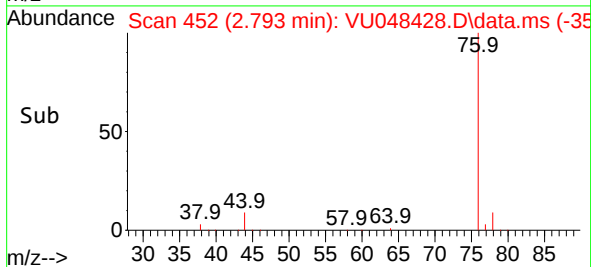
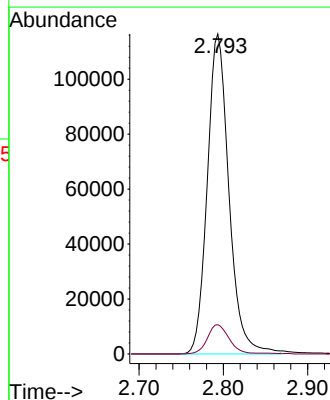
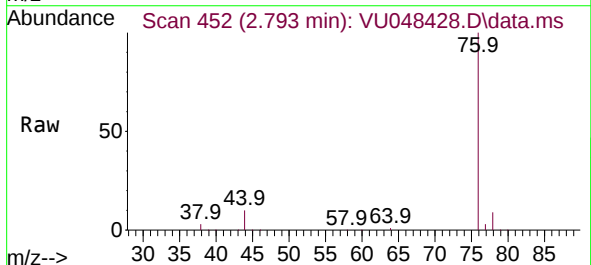
Acq: 05 May 2022 09:45

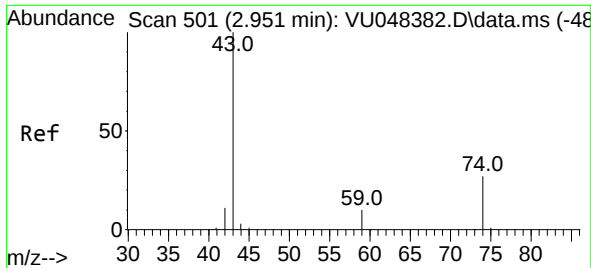
Tgt Ion: 76 Resp: 208239

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

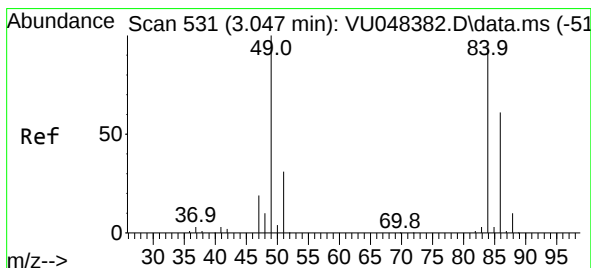
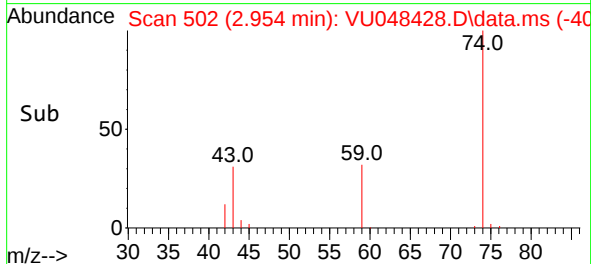
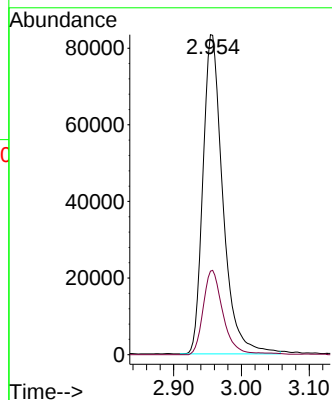
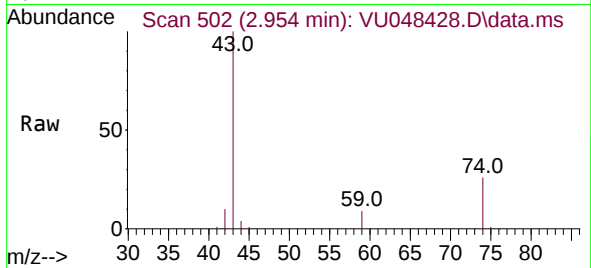




#15
Methyl Acetate
Concen: 46.786 ug/L
RT: 2.954 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

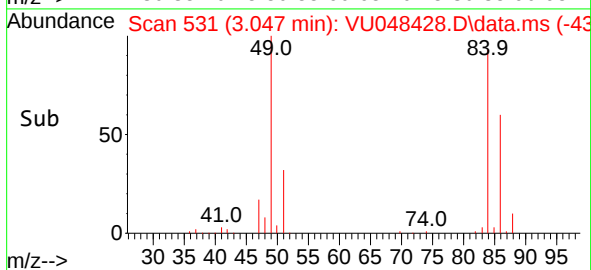
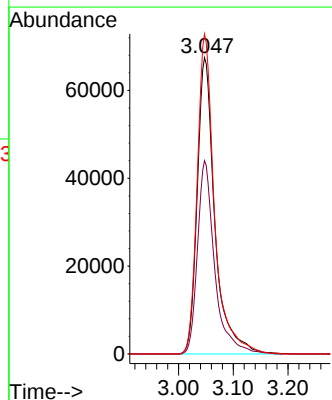
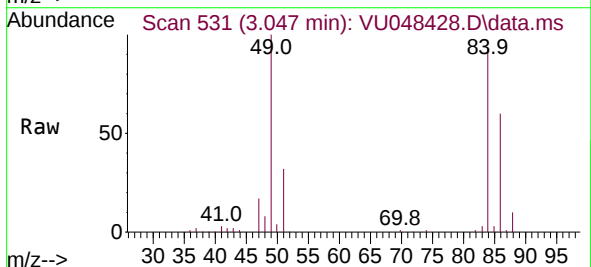
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

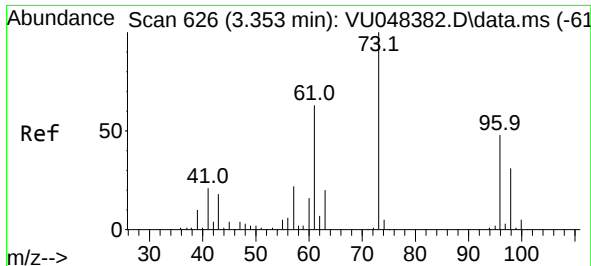
Tgt Ion: 43 Resp: 170167
Ion Ratio Lower Upper
43 100
74 26.0 21.0 31.6



#16
Methylene chloride
Concen: 48.962 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 84 Resp: 151040
Ion Ratio Lower Upper
84 100
86 65.2 45.4 84.2
49 108.0 79.2 147.0

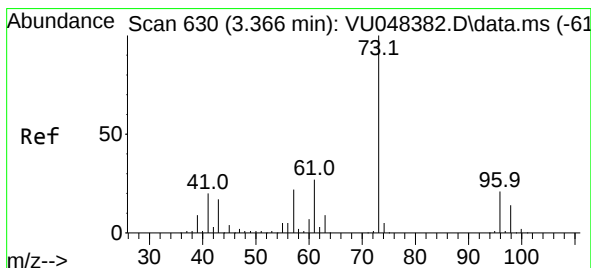
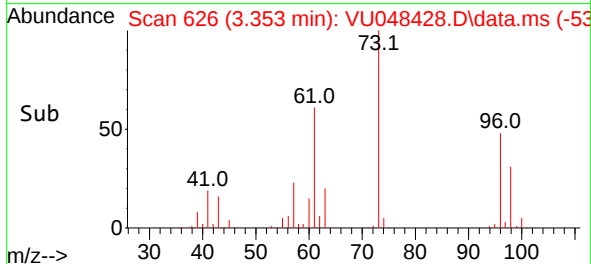
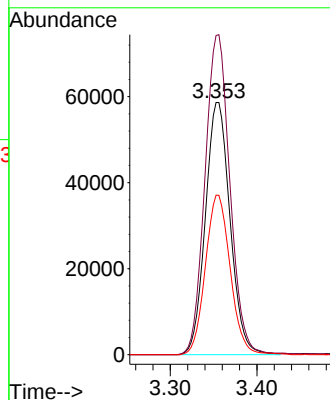
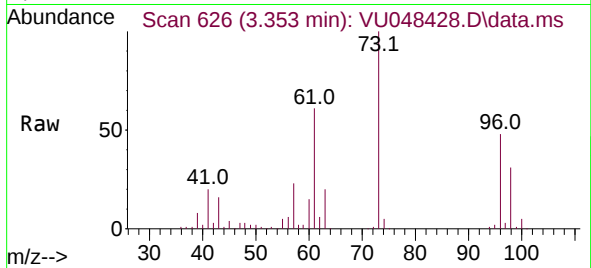




#17
trans-1,2-Dichloroethene
Concen: 46.810 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

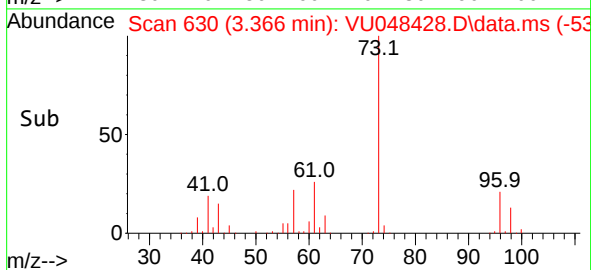
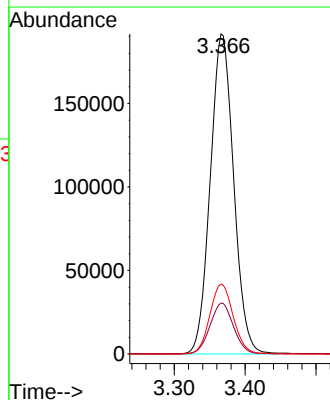
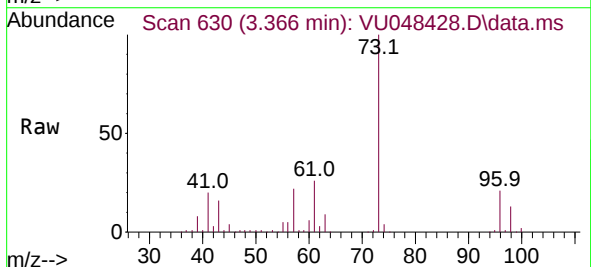
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

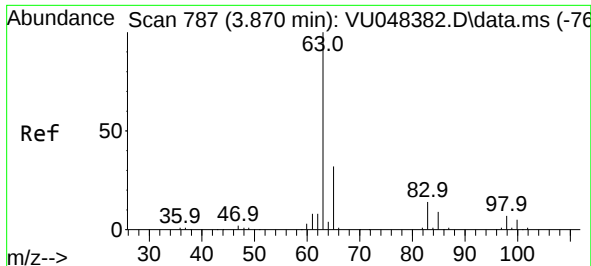
Tgt Ion: 96 Resp: 116357
Ion Ratio Lower Upper
96 100
61 126.6 95.2 176.8
98 63.3 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 53.570 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 73 Resp: 439359
Ion Ratio Lower Upper
73 100
43 15.8 13.8 20.6
57 21.9 17.9 26.9





#19

1,1-Dichloroethane

Concen: 48.931 ug/L

RT: 3.871 min Scan# 787

Delta R.T. 0.000 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050115

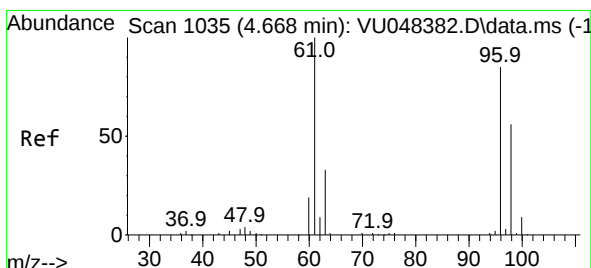
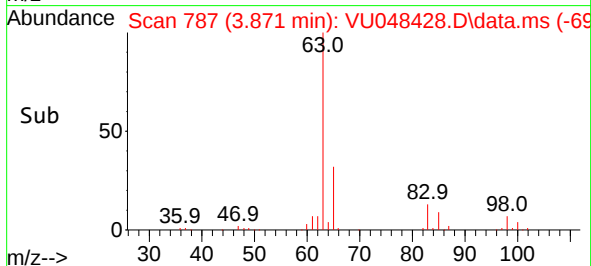
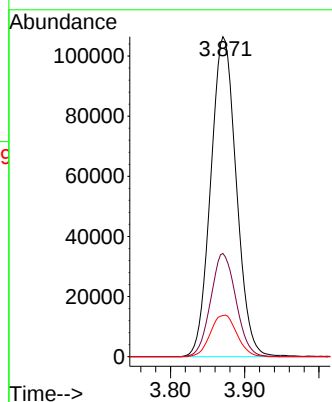
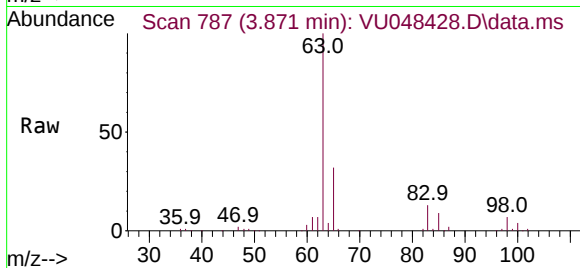
Tgt Ion: 63 Resp: 254346

Ion Ratio Lower Upper

63 100

65 32.2 22.0 40.8

83 12.8 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 51.426 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

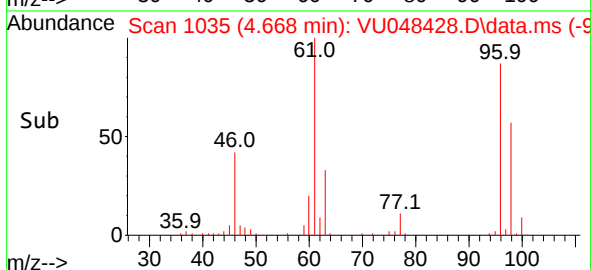
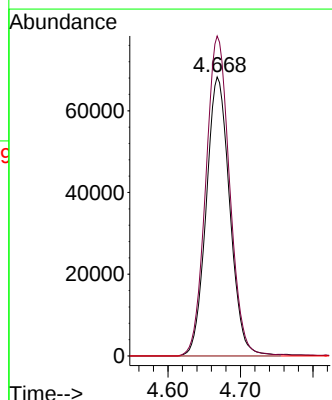
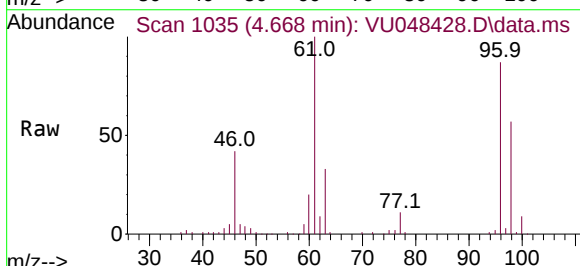
Tgt Ion: 96 Resp: 154087

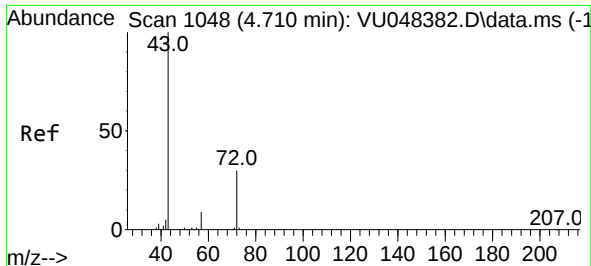
Ion Ratio Lower Upper

96 100

61 114.7 87.0 161.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 101.857 ug/L

RT: 4.716 min Scan# 1048

Delta R.T. 0.013 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Instrument :

MSVOA_U

ClientSampleId :

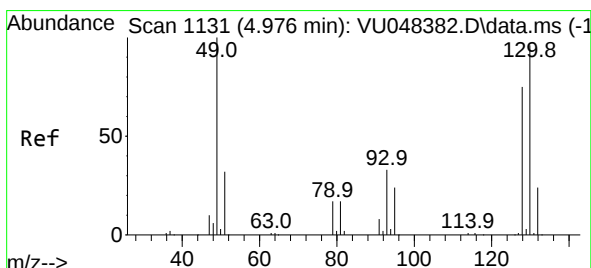
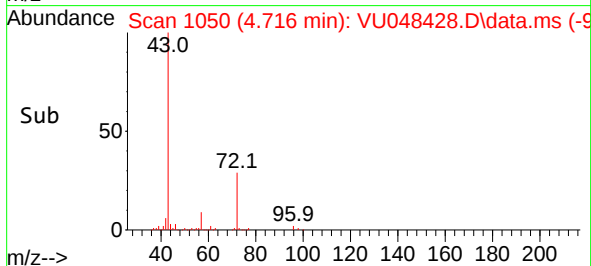
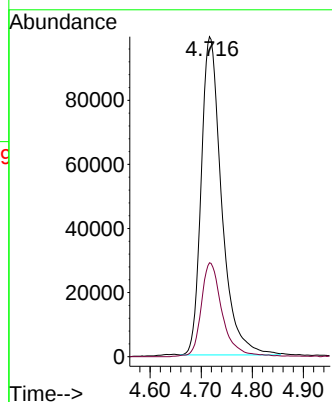
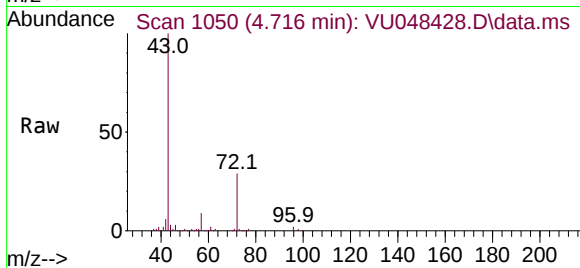
VSTD050115

Tgt Ion: 43 Resp: 275968

Ion Ratio Lower Upper

43 100

72 30.2 14.6 43.8



#23

Bromochloromethane

Concen: 50.026 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.003 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Tgt Ion: 128 Resp: 83685

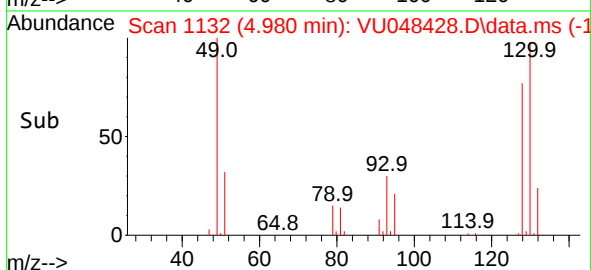
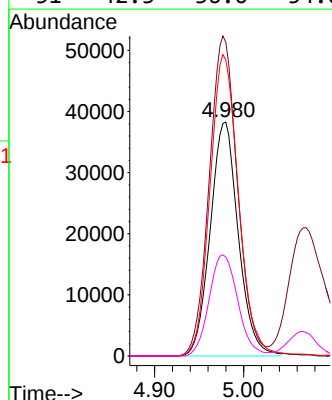
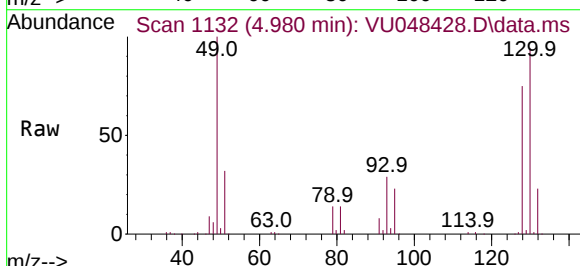
Ion Ratio Lower Upper

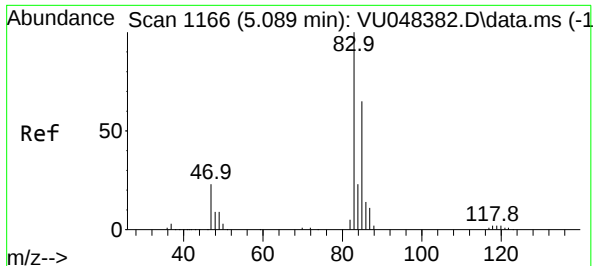
128 100

49 134.2 101.3 188.1

130 126.6 89.0 165.2

51 42.3 36.0 54.0





#25

Chloroform

Concen: 50.064 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Instrument :

MSVOA_U

ClientSampleId :

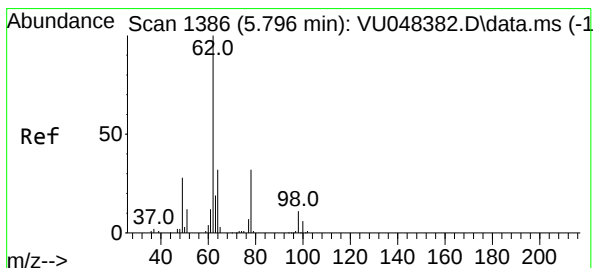
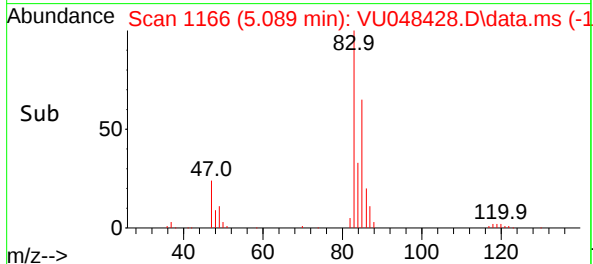
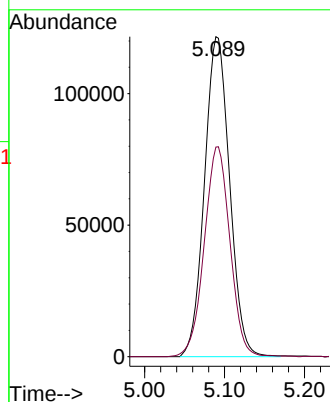
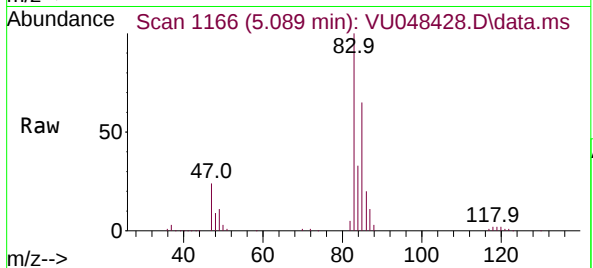
VSTD050115

Tgt Ion: 83 Resp: 265736

Ion Ratio Lower Upper

83 100

85 65.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 47.249 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU048428.D

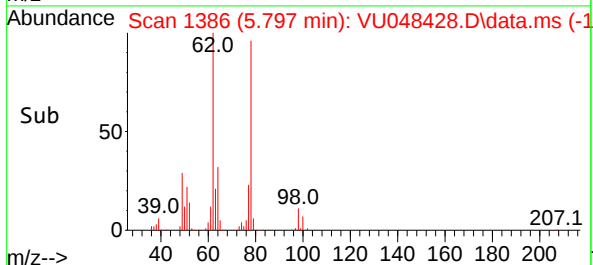
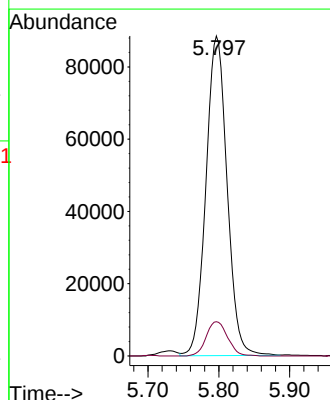
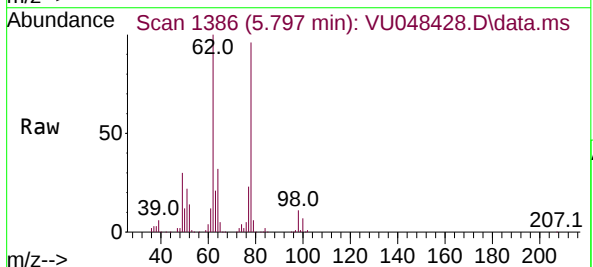
Acq: 05 May 2022 09:45

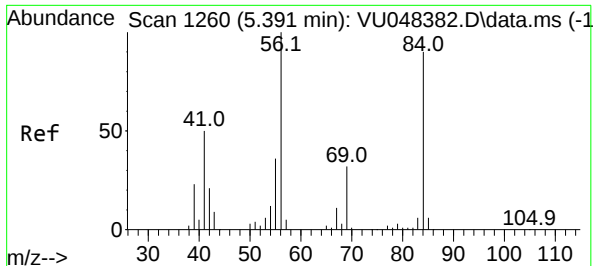
Tgt Ion: 62 Resp: 182931

Ion Ratio Lower Upper

62 100

98 10.7 8.5 12.7





#29

Cyclohexane

Concen: 48.548 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050115

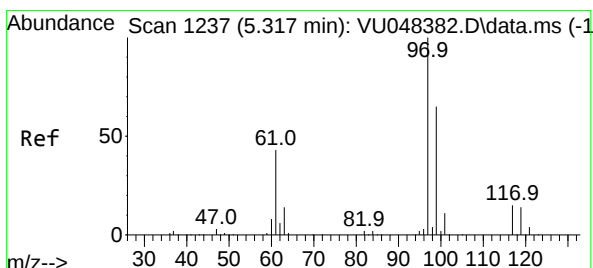
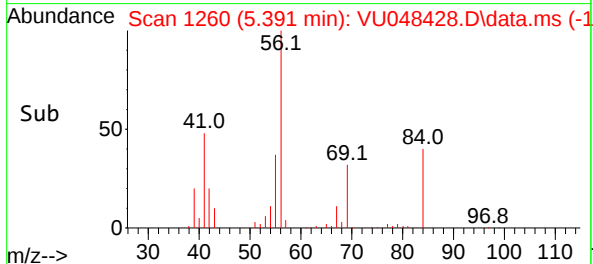
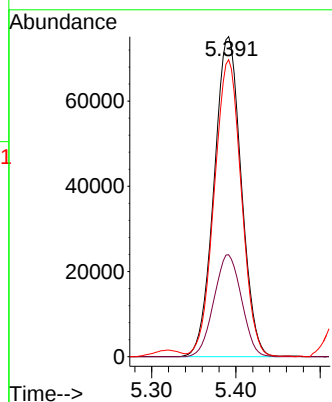
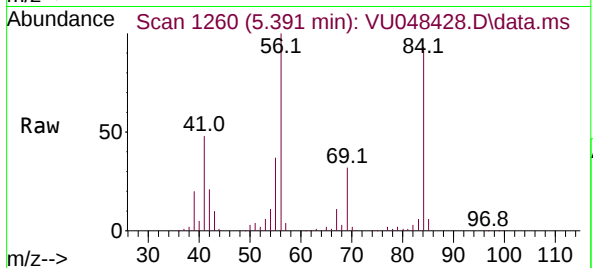
Tgt Ion: 56 Resp: 168207

Ion Ratio Lower Upper

56 100

69 32.3 24.2 36.4

84 92.5 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 51.668 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

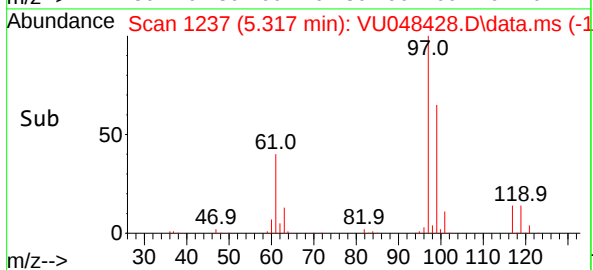
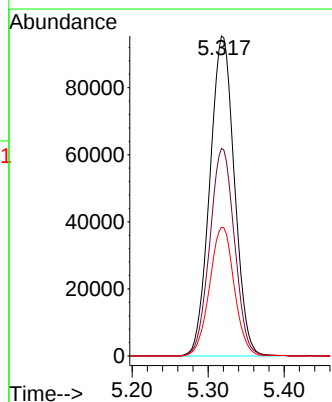
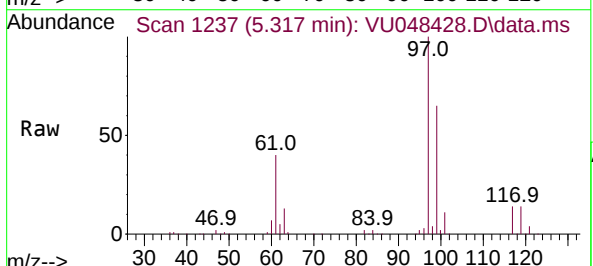
Tgt Ion: 97 Resp: 214263

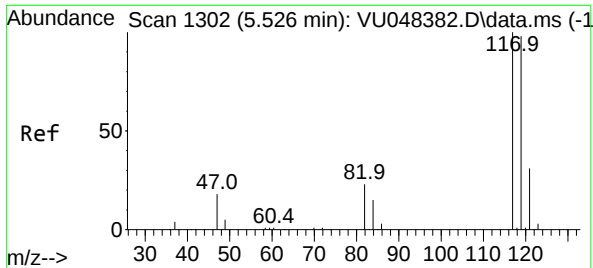
Ion Ratio Lower Upper

97 100

99 65.3 51.8 77.8

61 40.3 33.9 50.9

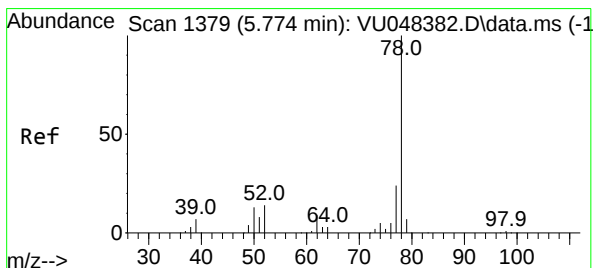
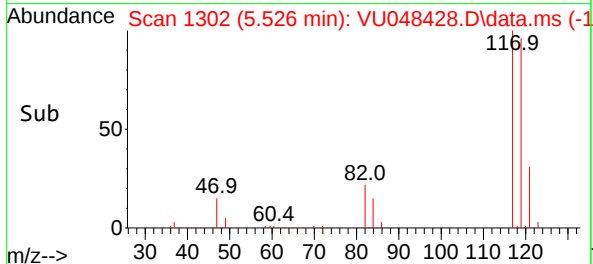
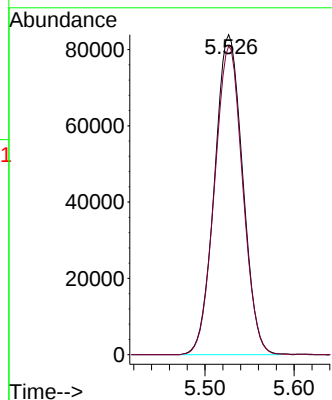
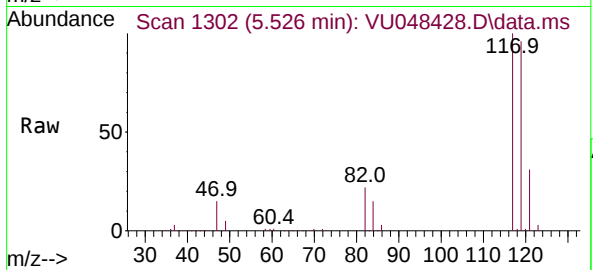




#31
Carbon tetrachloride
Concen: 52.050 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

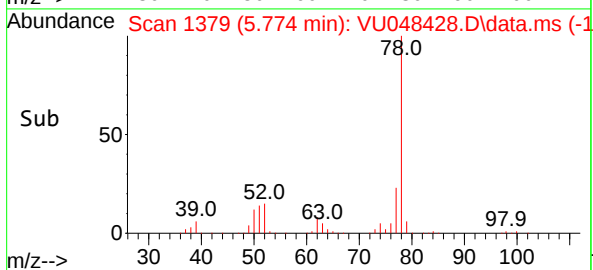
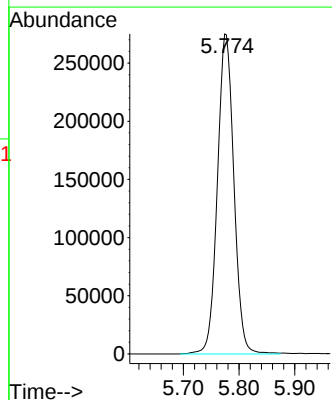
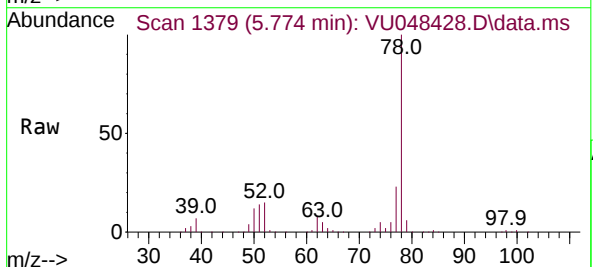
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

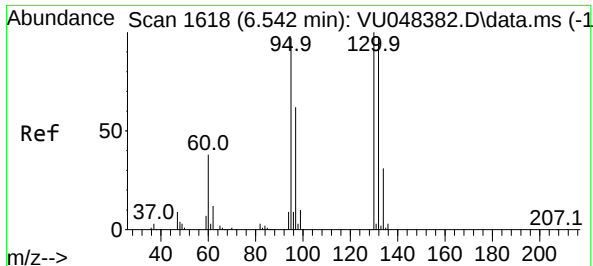
Tgt Ion:117 Resp: 183969
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7



#33
Benzene
Concen: 52.103 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 78 Resp: 565692

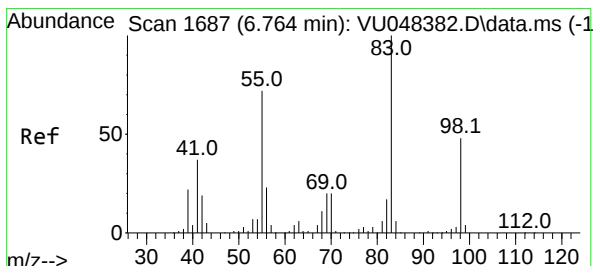
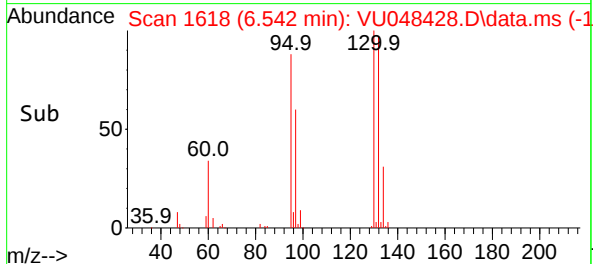
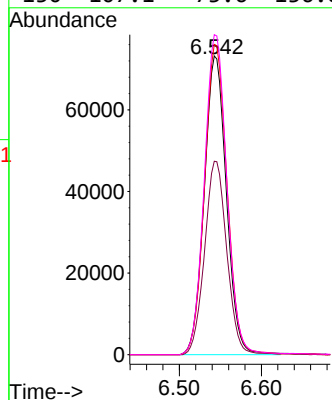
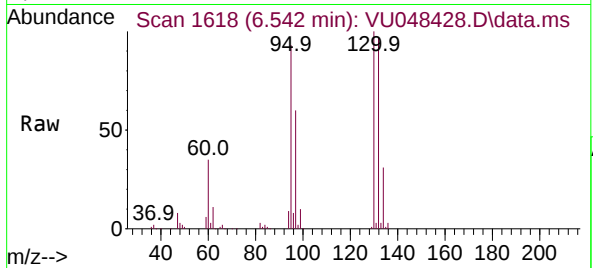




#34
Trichloroethene
Concen: 51.685 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

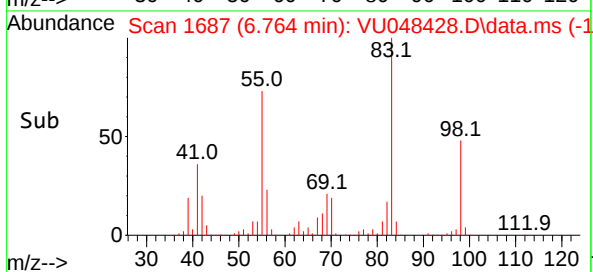
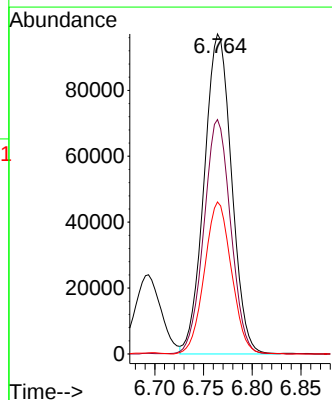
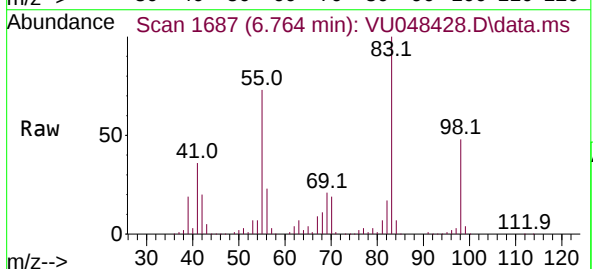
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

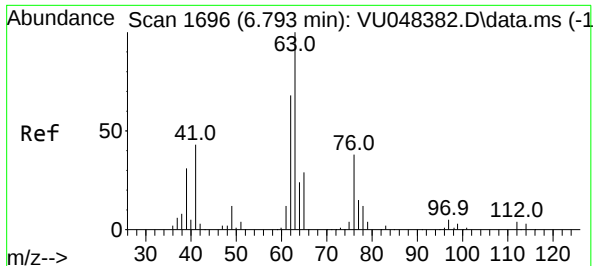
Tgt Ion: 95 Resp: 137546
Ion Ratio Lower Upper
95 100
97 64.8 45.8 85.2
132 103.9 71.6 133.0
130 107.1 73.6 136.8



#35
Methylcyclohexane
Concen: 50.922 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 83 Resp: 190259
Ion Ratio Lower Upper
83 100
55 71.4 59.4 89.2
98 46.8 37.3 55.9





#37

1,2-Dichloropropane

Concen: 53.248 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Instrument :

MSVOA_U

ClientSampleId :

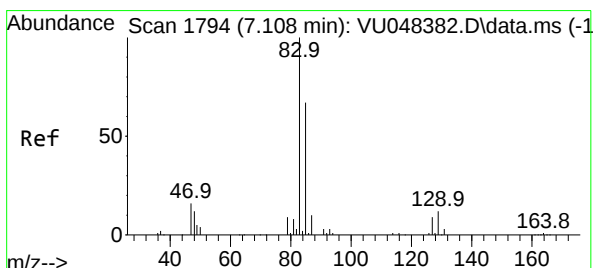
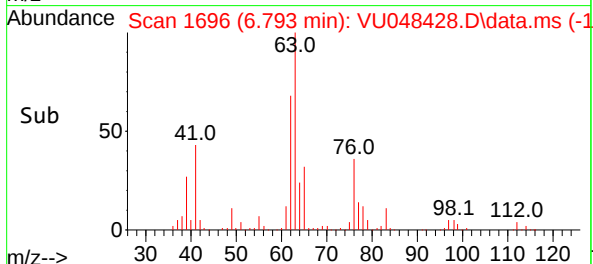
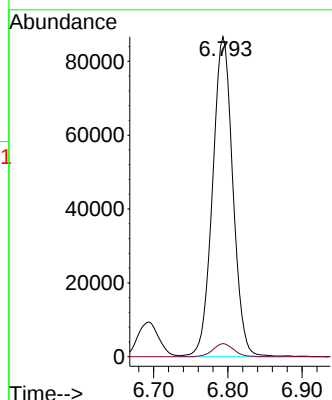
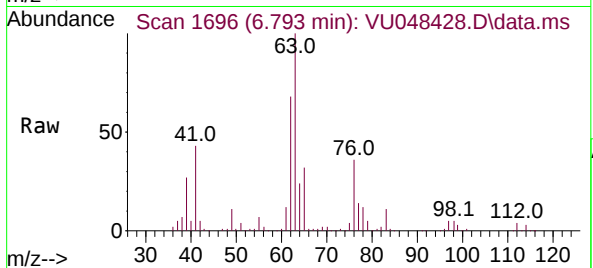
VSTD050115

Tgt Ion: 63 Resp: 164486

Ion Ratio Lower Upper

63 100

112 4.2 3.1 4.7



#38

Bromodichloromethane

Concen: 51.586 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

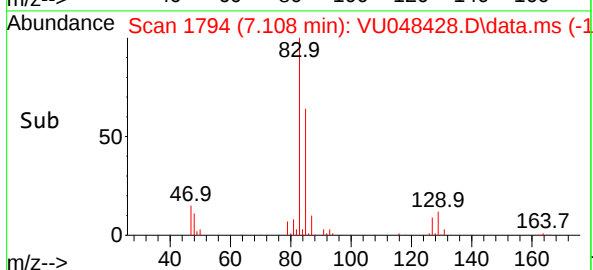
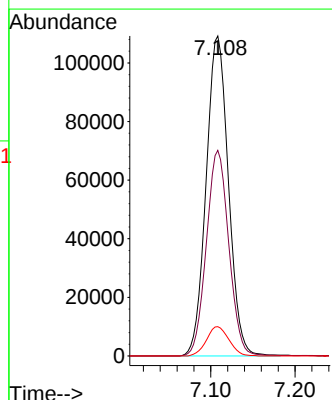
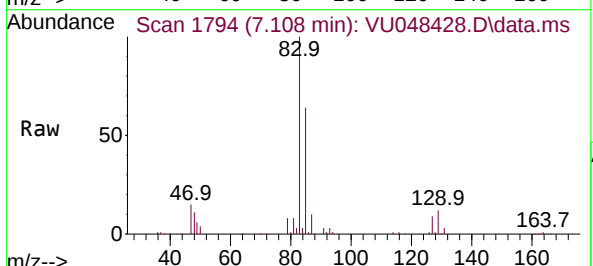
Tgt Ion: 83 Resp: 201240

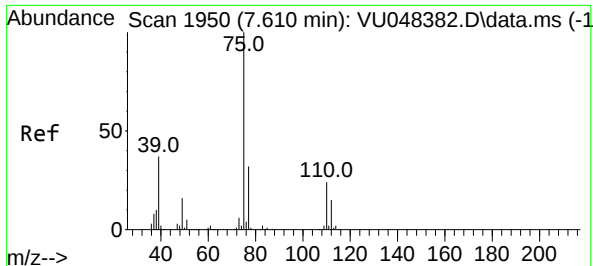
Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

127 9.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 53.830 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Instrument :

MSVOA_U

ClientSampleId :

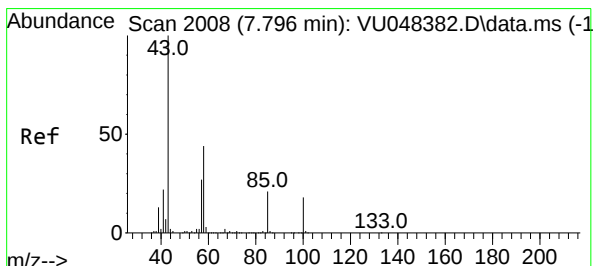
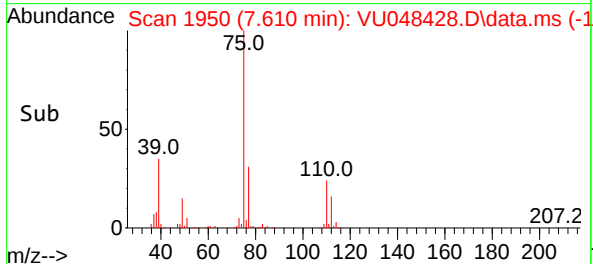
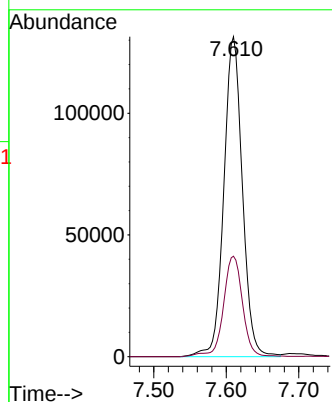
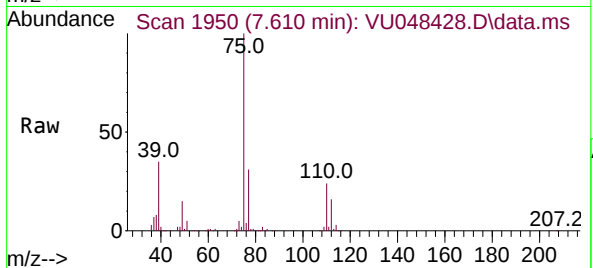
VSTD050115

Tgt Ion: 75 Resp: 233824

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 104.749 ug/L

RT: 7.800 min Scan# 2009

Delta R.T. 0.007 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

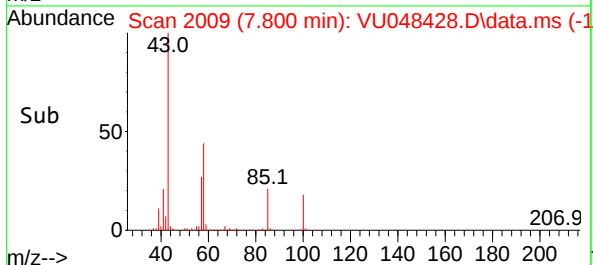
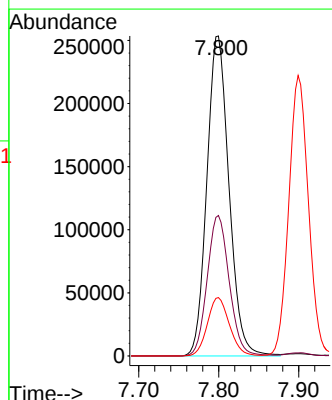
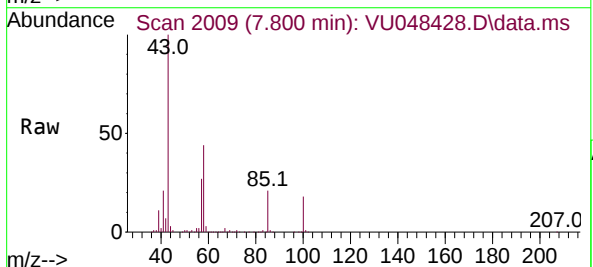
Tgt Ion: 43 Resp: 488040

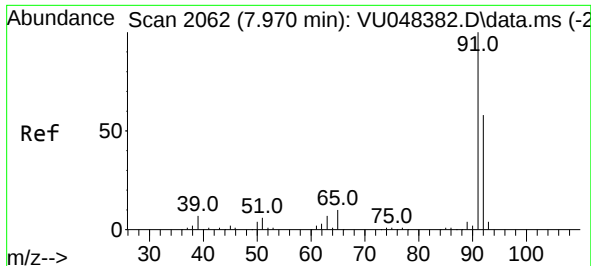
Ion Ratio Lower Upper

43 100

58 43.7 34.4 51.6

100 18.2 13.6 20.4





#42

Toluene

Concen: 53.396 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Instrument :

MSVOA_U

ClientSampleId :

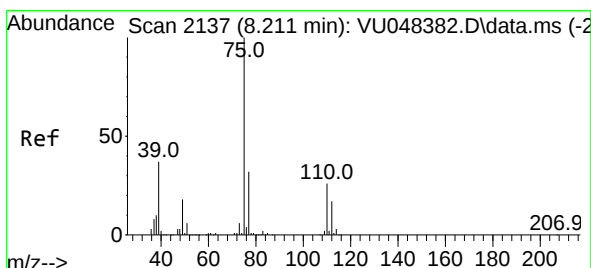
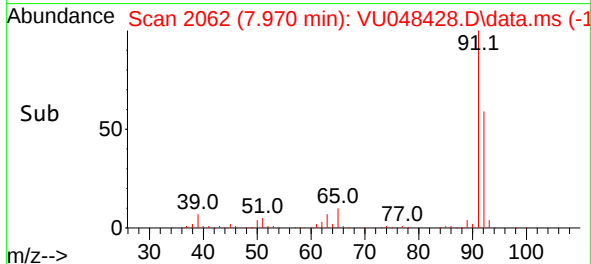
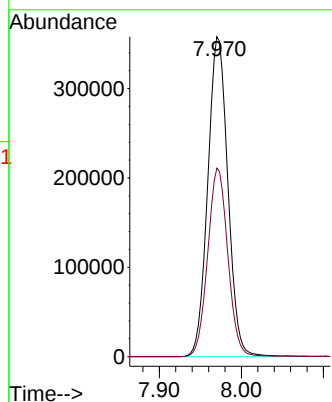
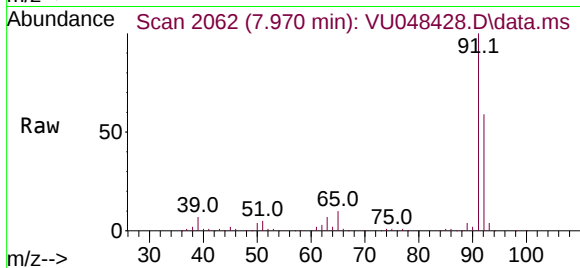
VSTD050115

Tgt Ion: 91 Resp: 608656

Ion Ratio Lower Upper

91 100

92 58.9 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 52.462 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048428.D

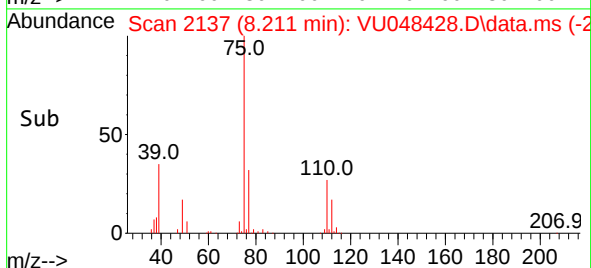
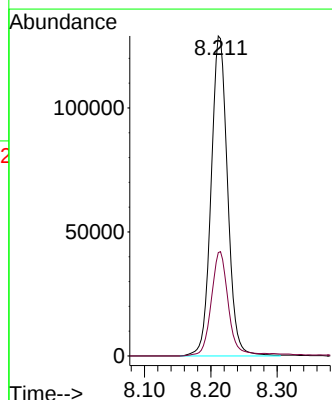
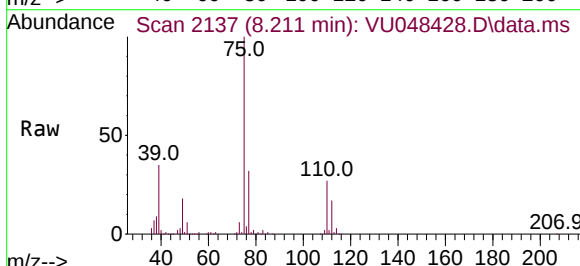
Acq: 05 May 2022 09:45

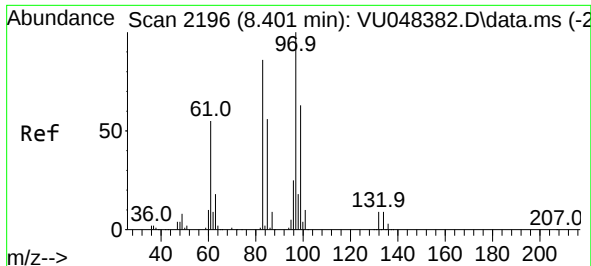
Tgt Ion: 75 Resp: 222623

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1



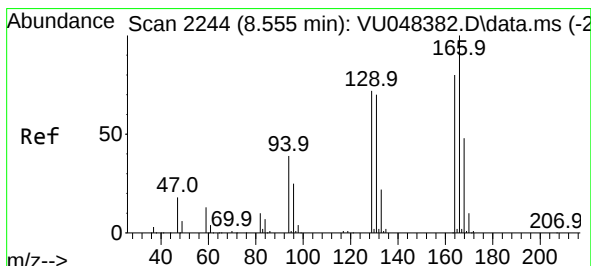
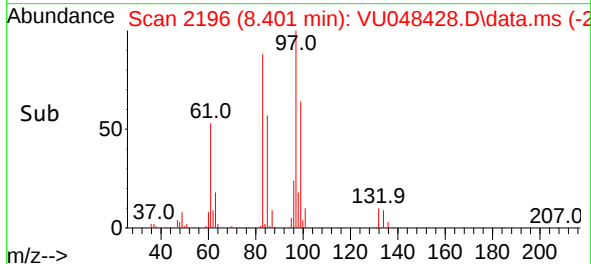
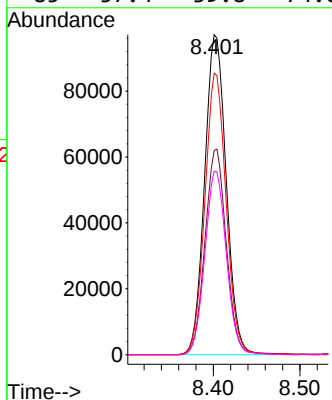
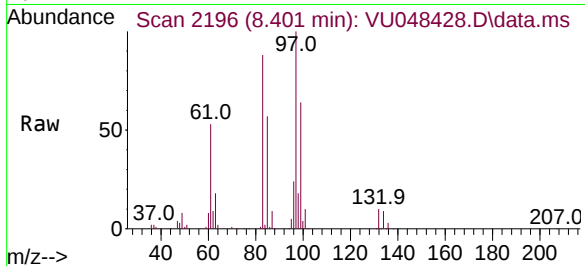


#45
1,1,2-Trichloroethane
Concen: 52.038 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

Tgt Ion: 97 Resp: 168655

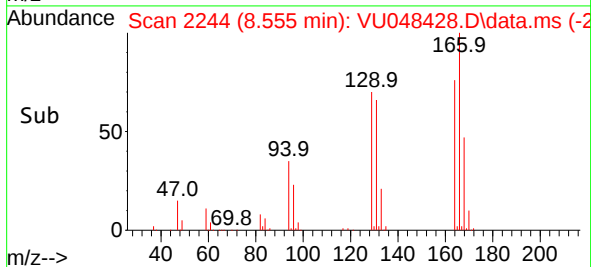
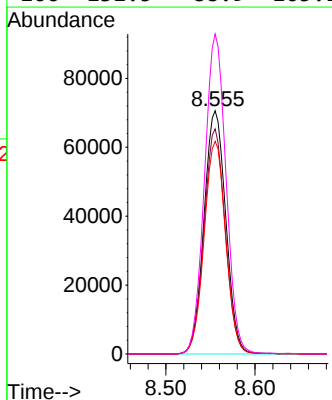
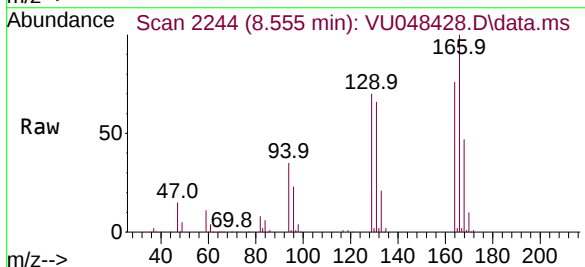
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.7	81.1
83	88.0	62.6	116.2
85	57.4	39.8	74.0

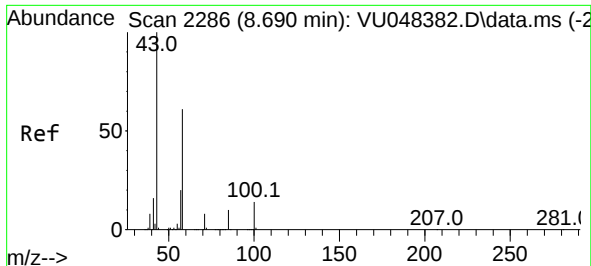


#46
Tetrachloroethene
Concen: 52.589 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 164 Resp: 120111

Ion	Ratio	Lower	Upper
164	100		
129	92.5	63.3	117.7
131	87.4	61.2	113.6
166	131.5	88.9	165.1

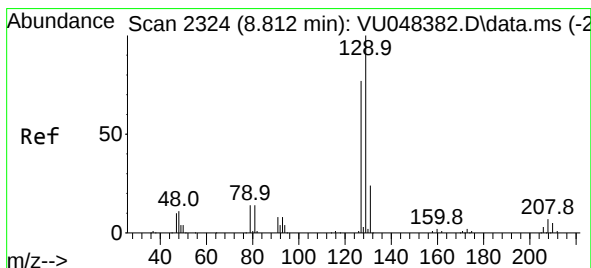
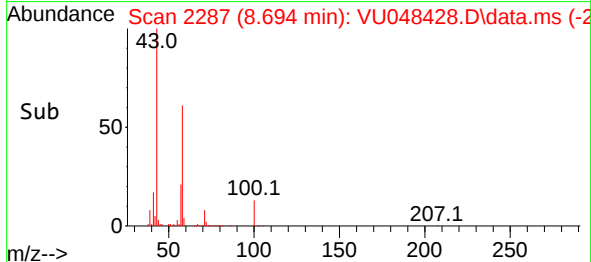
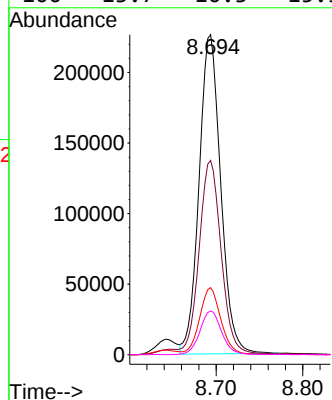
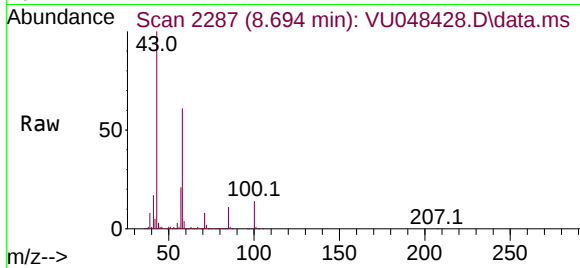




#48
2-Hexanone
Concen: 101.040 ug/L
RT: 8.694 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

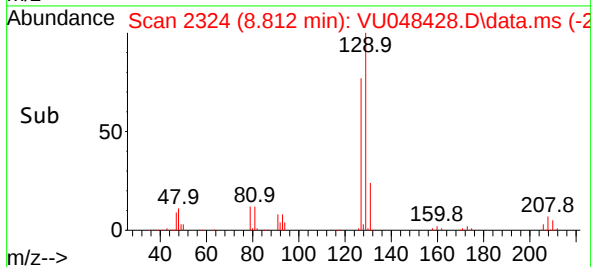
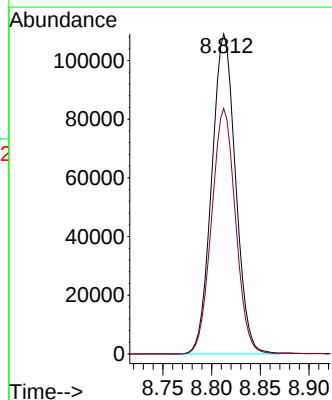
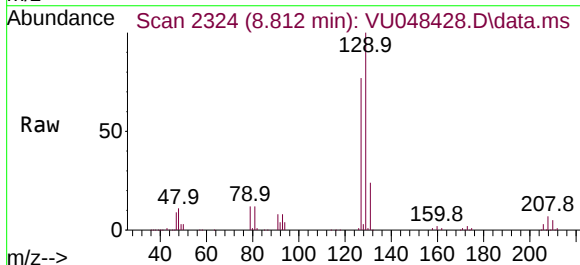
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

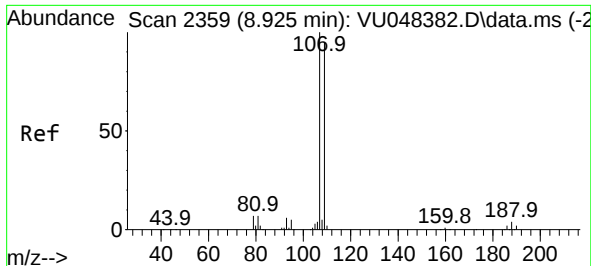
Tgt Ion: 43 Resp: 393115
Ion Ratio Lower Upper
43 100
58 61.9 48.1 72.1
57 20.6 16.2 24.4
100 13.7 10.3 15.5



#49
Dibromochloromethane
Concen: 52.153 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 129 Resp: 185737
Ion Ratio Lower Upper
129 100
127 76.7 53.8 99.8

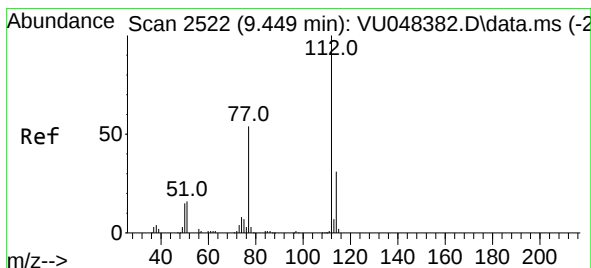
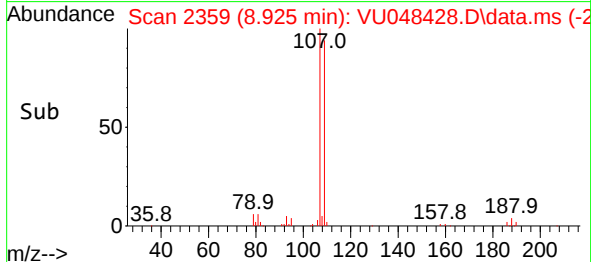
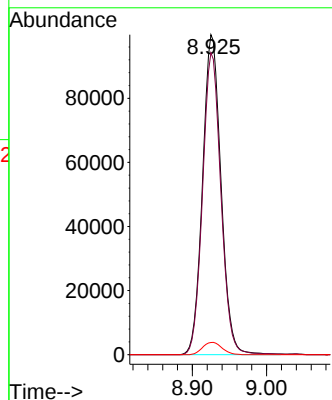
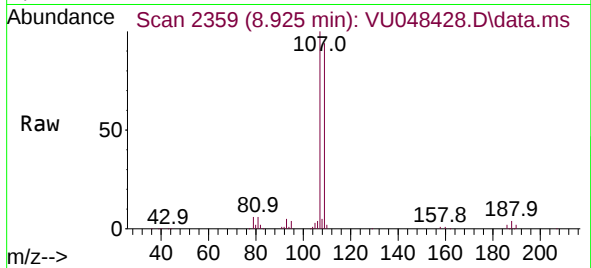




#50
1,2-Dibromoethane
Concen: 52.404 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

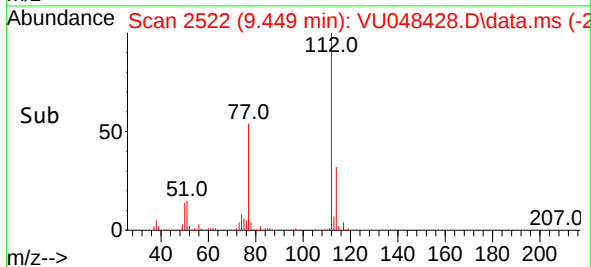
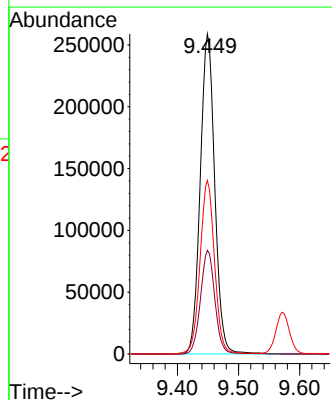
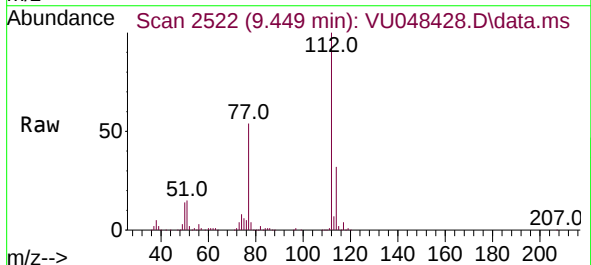
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

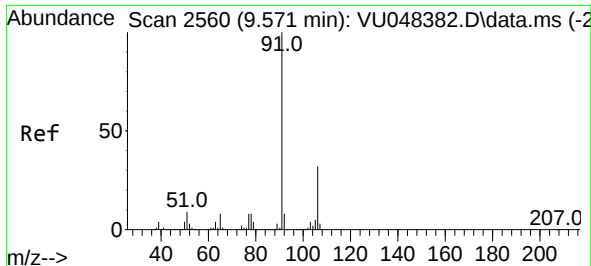
Tgt Ion:107 Resp: 172231
Ion Ratio Lower Upper
107 100
109 94.4 65.0 120.8
188 3.8 3.1 4.7



#51
Chlorobenzene
Concen: 51.938 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion:112 Resp: 426750
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.1
77 54.3 44.3 66.5

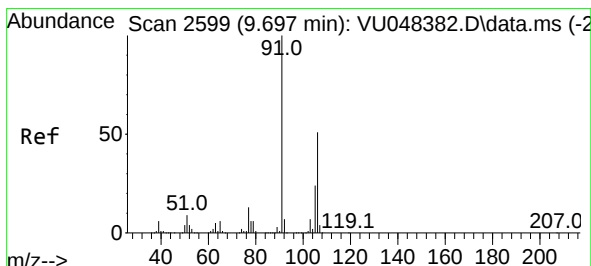
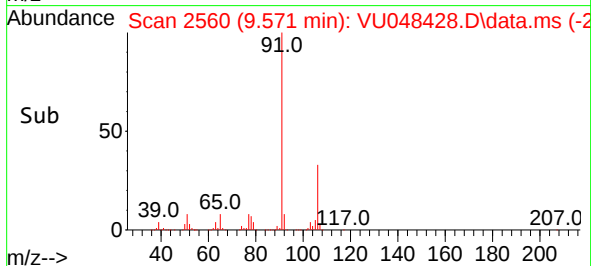
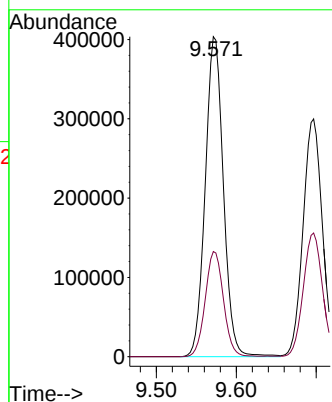
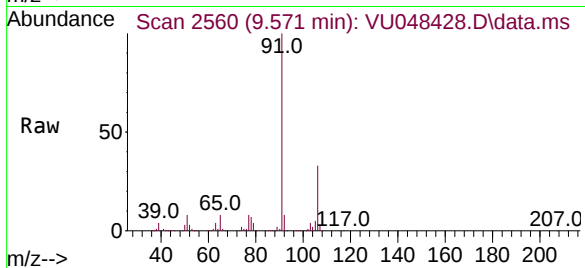




#52
Ethylbenzene
Concen: 54.033 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

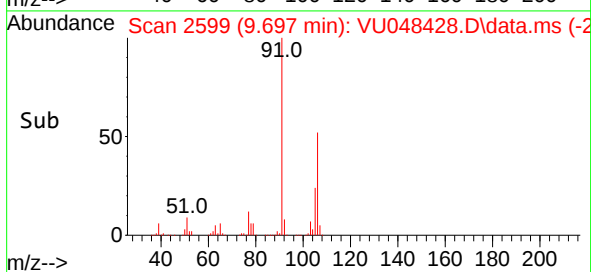
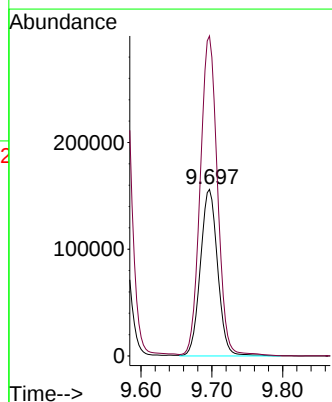
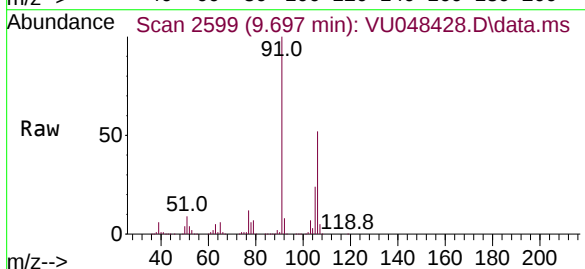
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

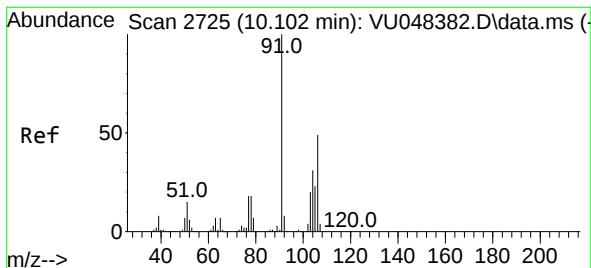
Tgt Ion: 91 Resp: 637872
Ion Ratio Lower Upper
91 100
106 32.9 22.5 41.9



#53
m,p-Xylene
Concen: 56.600 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 106 Resp: 263676
Ion Ratio Lower Upper
106 100
91 192.0 137.4 255.2





#54

o-Xylene

Concen: 57.360 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048428.D

Acq: 05 May 2022 09:45

Instrument :

MSVOA_U

ClientSampleId :

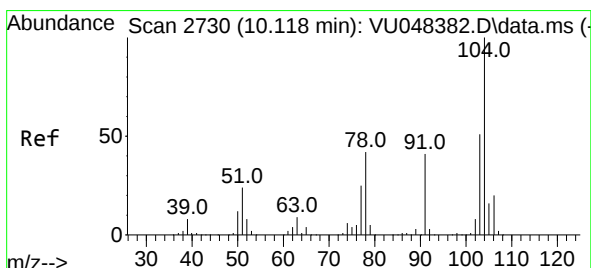
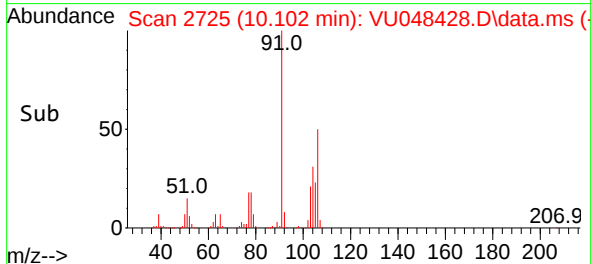
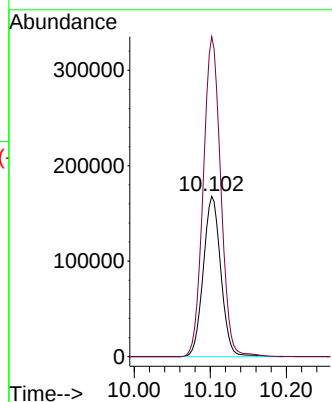
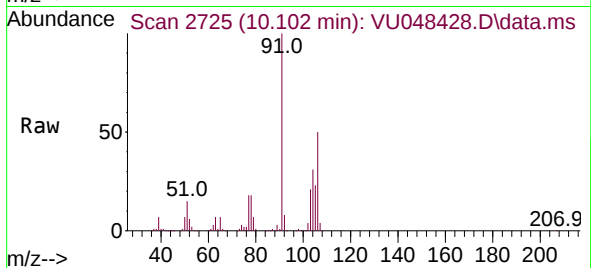
VSTD050115

Tgt Ion:106 Resp: 269197

Ion Ratio Lower Upper

106 100

91 199.5 145.3 269.8



#55

Styrene

Concen: 56.777 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.003 min

Lab File: VU048428.D

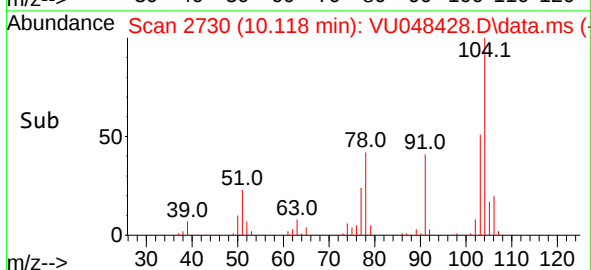
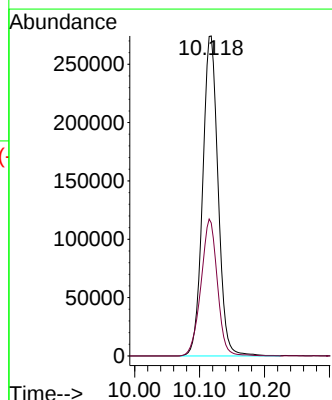
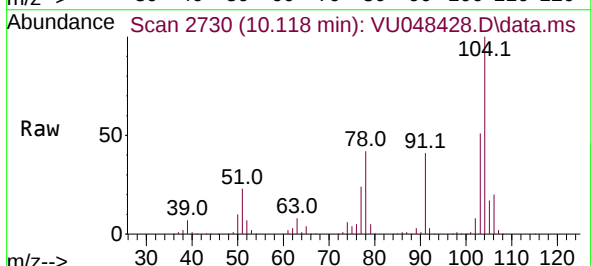
Acq: 05 May 2022 09:45

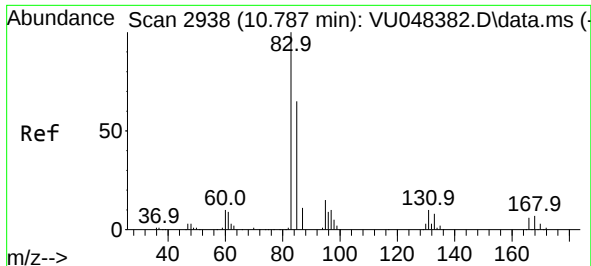
Tgt Ion:104 Resp: 453928

Ion Ratio Lower Upper

104 100

78 41.5 30.3 56.3

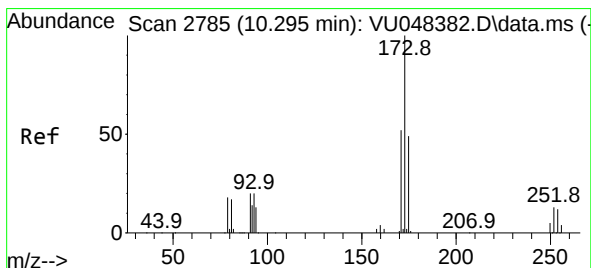
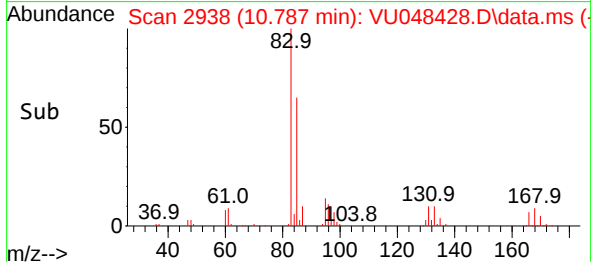
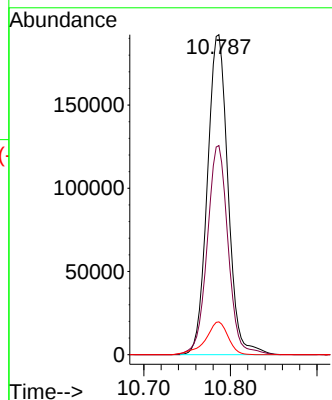
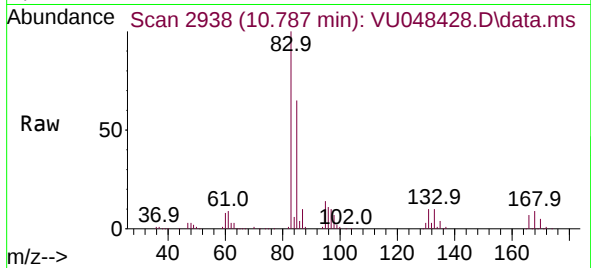




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.660 ug/L
 RT: 10.787 min Scan# 2938
 Delta R.T. 0.003 min
 Lab File: VU048428.D
 Acq: 05 May 2022 09:45

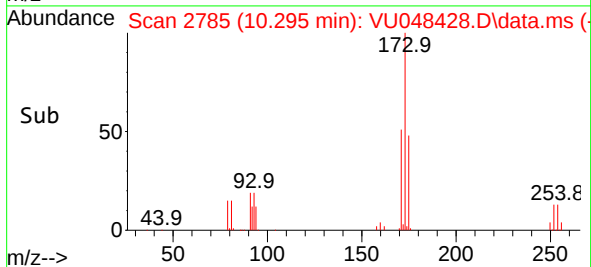
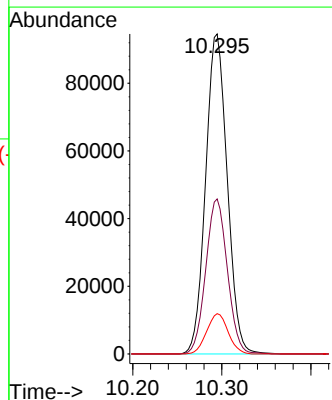
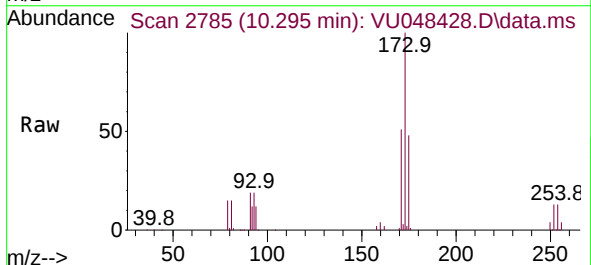
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

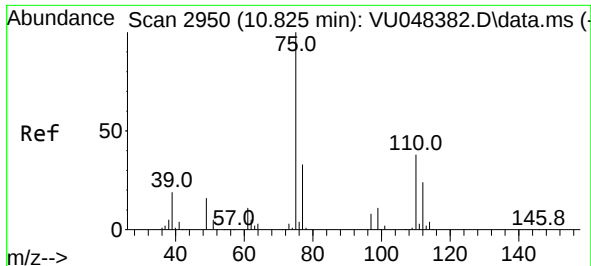
Tgt Ion: 83 Resp: 317652
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.1 83.7
 131 10.3 7.8 11.6



#59
 Bromoform
 Concen: 52.571 ug/L
 RT: 10.295 min Scan# 2785
 Delta R.T. 0.003 min
 Lab File: VU048428.D
 Acq: 05 May 2022 09:45

Tgt Ion: 173 Resp: 159063
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.9 58.3
 254 12.5 9.5 14.3

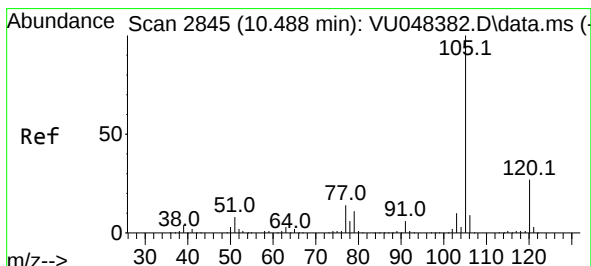
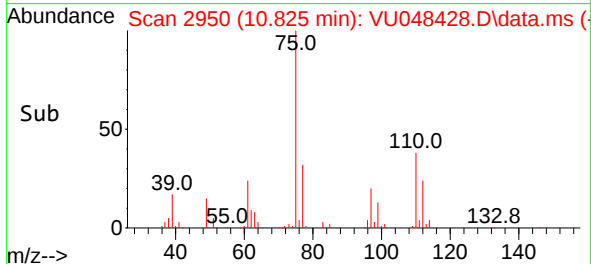
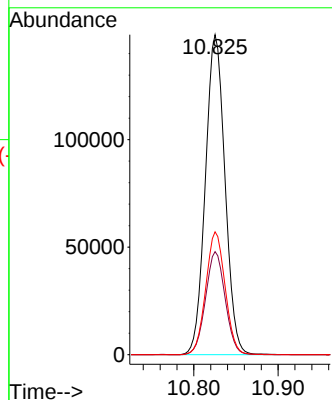
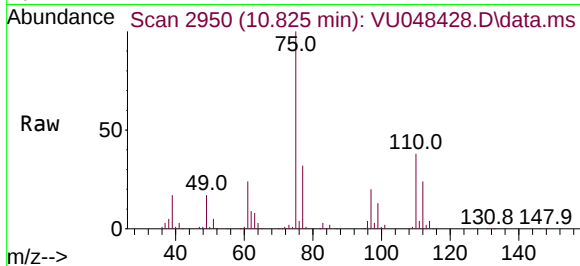




#60
1,2,3-Trichloropropane
Concen: 49.573 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

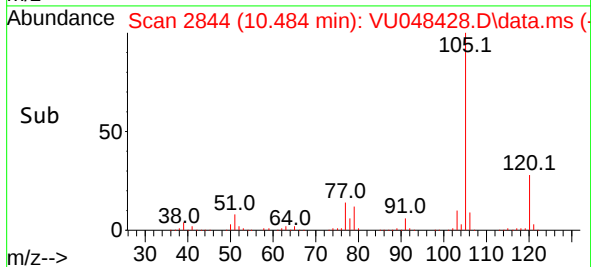
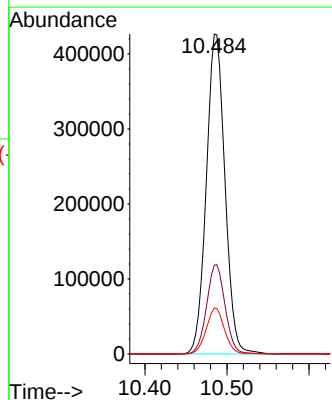
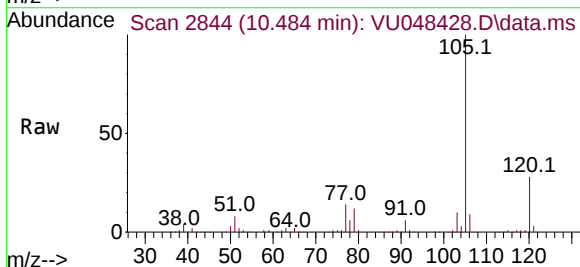
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

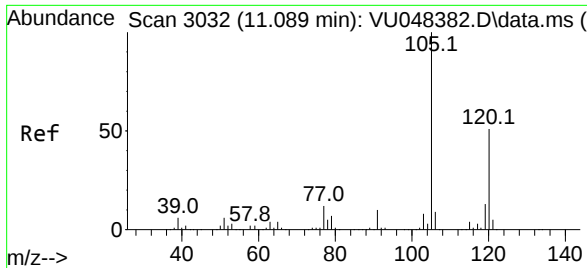
Tgt Ion: 75 Resp: 241109
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8
110 38.0 29.9 44.9



#61
Isopropylbenzene
Concen: 57.668 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 105 Resp: 672239
Ion Ratio Lower Upper
105 100
120 27.7 21.7 32.5
77 14.2 11.7 17.5

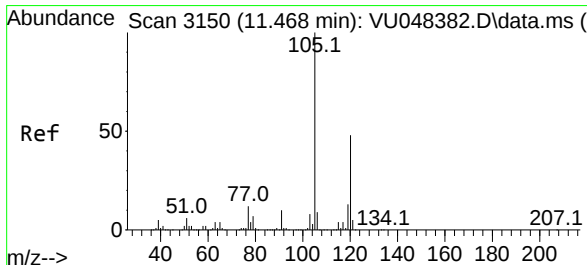
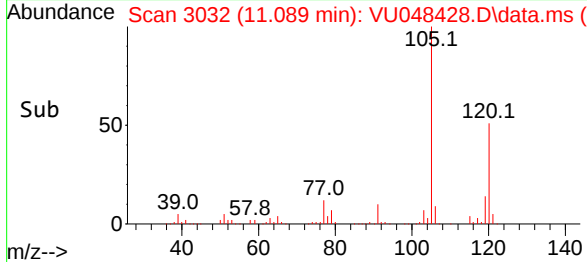
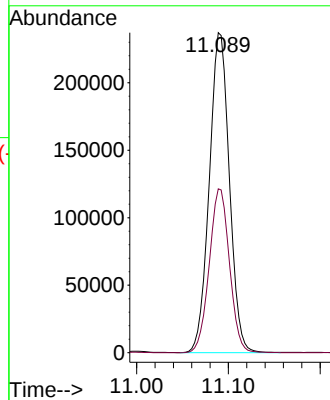
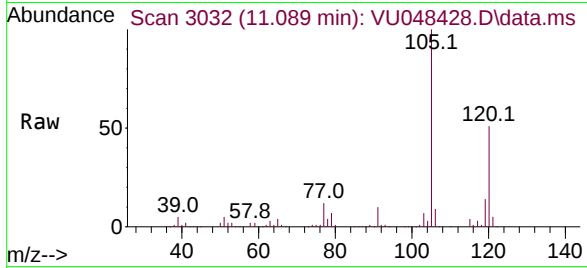




#62
1,3,5-Trimethylbenzene
Concen: 58.765 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

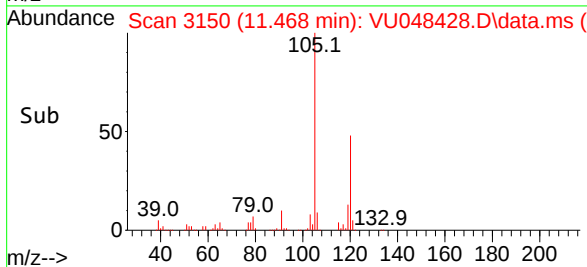
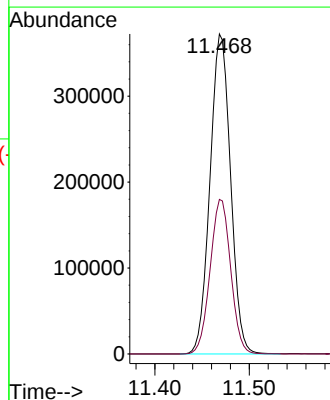
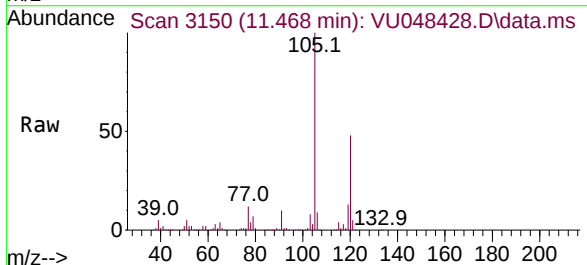
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

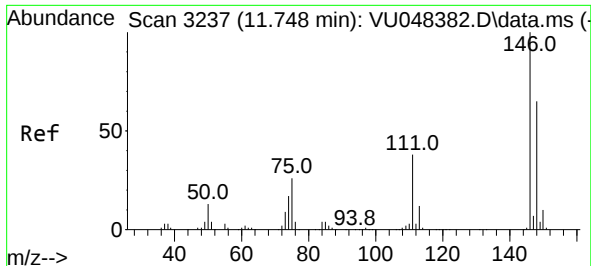
Tgt Ion:105 Resp: 361058
Ion Ratio Lower Upper
105 100
120 51.5 40.7 61.1



#63
1,2,4-Trimethylbenzene
Concen: 59.602 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion:105 Resp: 563014
Ion Ratio Lower Upper
105 100
120 48.3 38.0 57.0

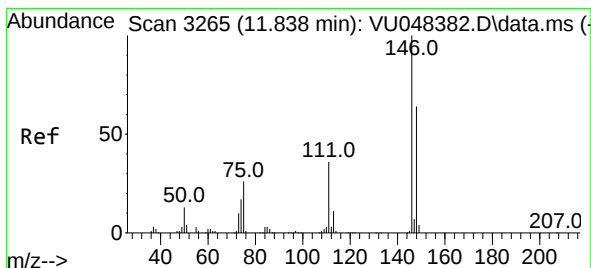
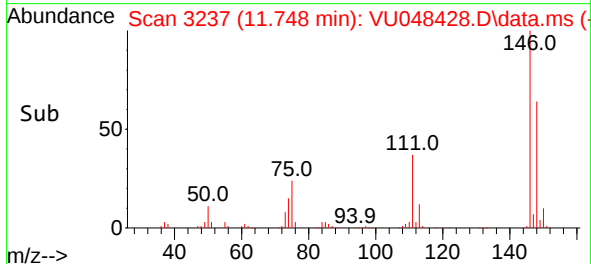
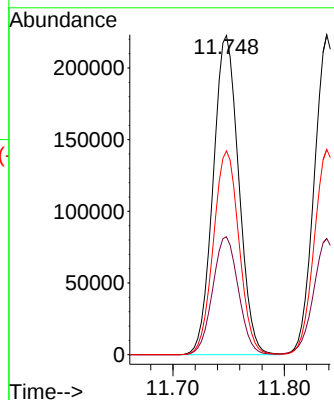
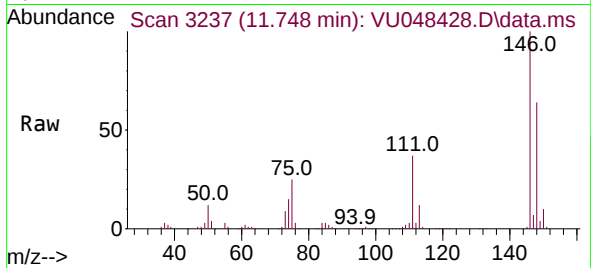




#64
1,3-Dichlorobenzene
Concen: 54.354 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

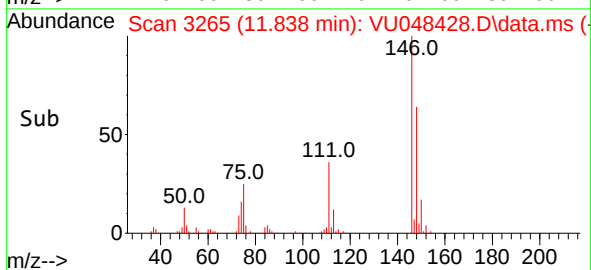
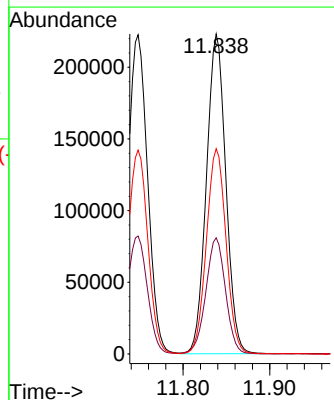
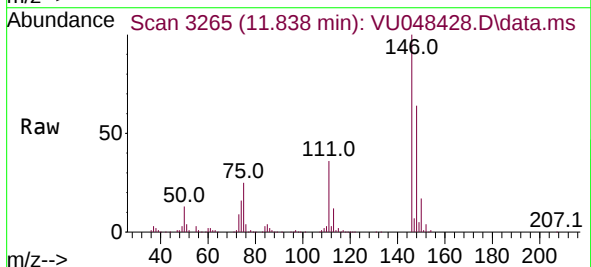
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

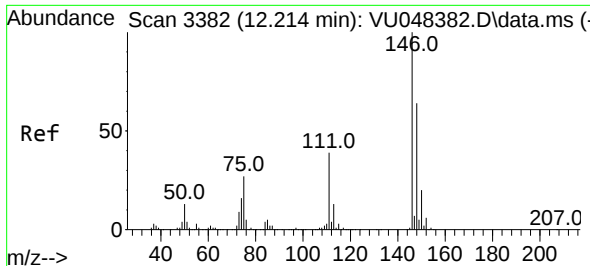
Tgt Ion:146 Resp: 355225
Ion Ratio Lower Upper
146 100
111 36.9 26.7 49.7
148 63.9 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 52.042 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion:146 Resp: 347225
Ion Ratio Lower Upper
146 100
111 36.3 25.9 48.1
148 64.2 45.1 83.7

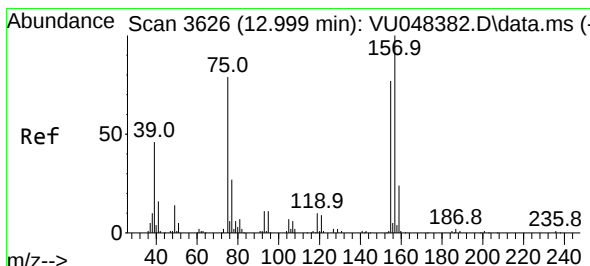
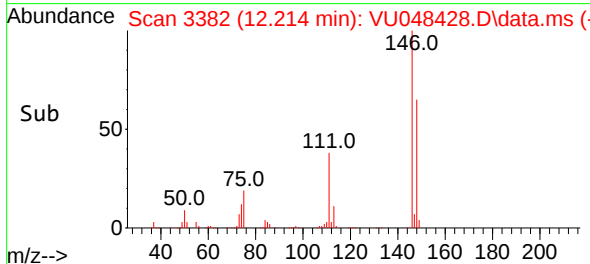
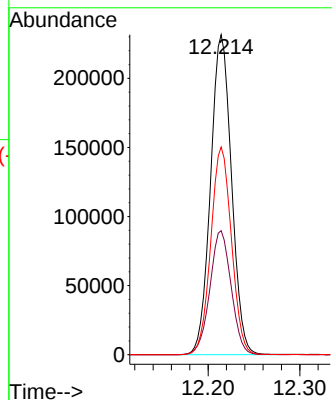
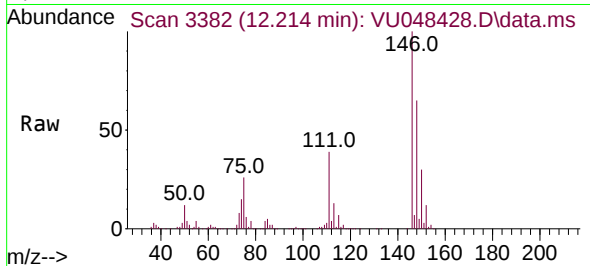




#67
1,2-Dichlorobenzene
Concen: 53.309 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

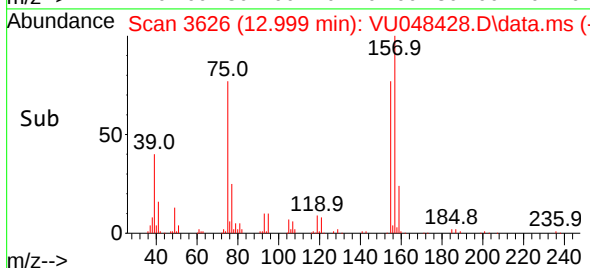
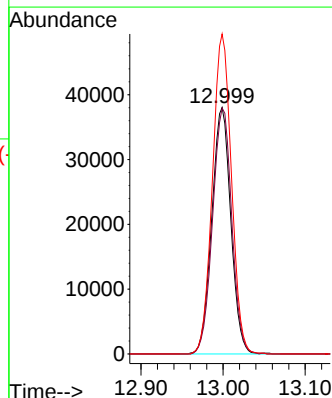
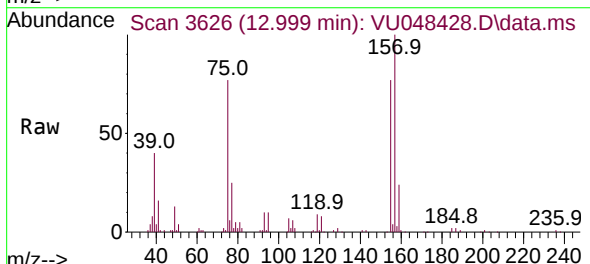
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

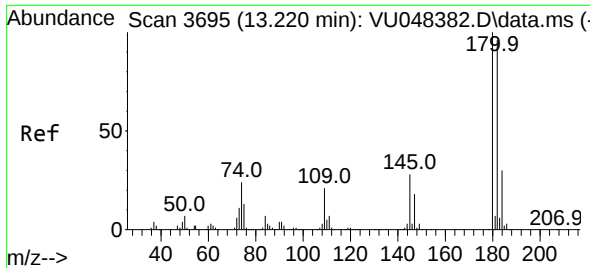
Tgt Ion:146 Resp: 367013
Ion Ratio Lower Upper
146 100
111 38.7 31.7 47.5
148 64.9 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 47.219 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion: 75 Resp: 61308
Ion Ratio Lower Upper
75 100
155 99.8 71.8 107.6
157 129.9 93.4 140.2



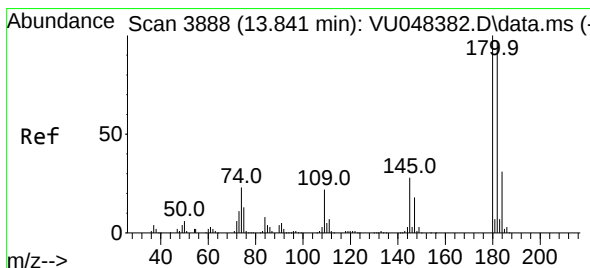
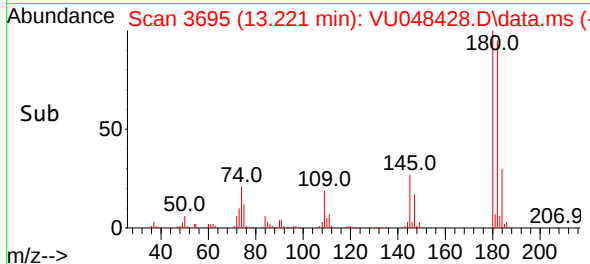
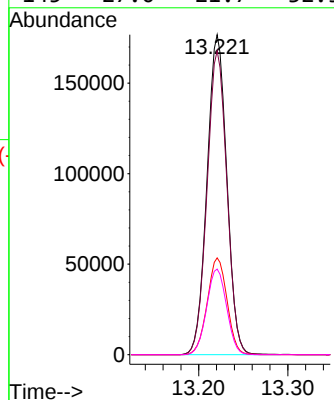
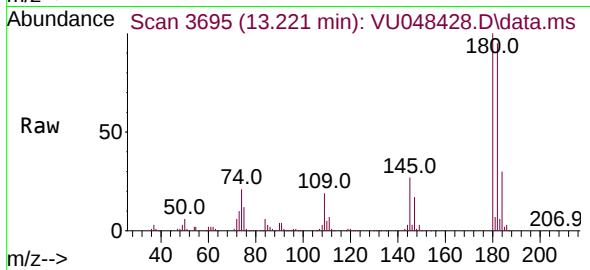


#69
 1,3,5-Trichlorobenzene
 Concen: 56.027 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048428.D
 Acq: 05 May 2022 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

Tgt Ion:180 Resp: 272084

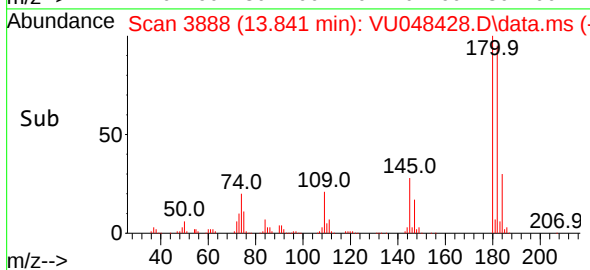
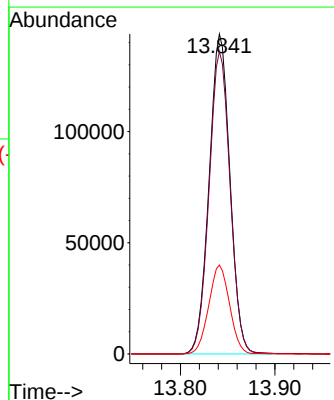
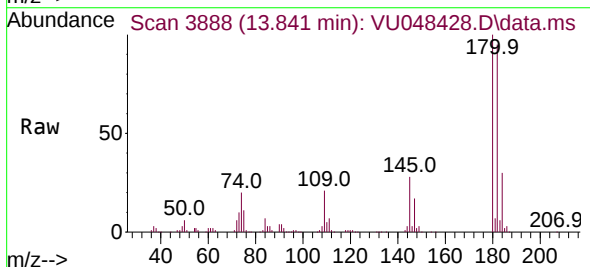
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.4
184	30.3	24.6	37.0
145	27.0	21.7	32.5

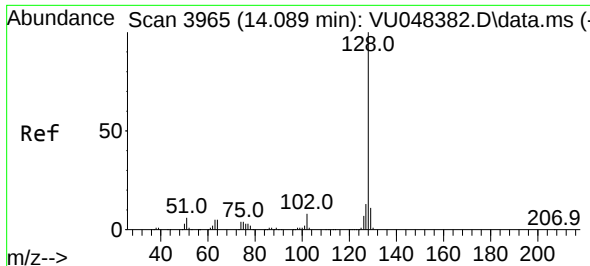


#70
 1,2,4-trichlorobenzene
 Concen: 57.359 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048428.D
 Acq: 05 May 2022 09:45

Tgt Ion:180 Resp: 220061

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
145	27.8	22.6	33.8

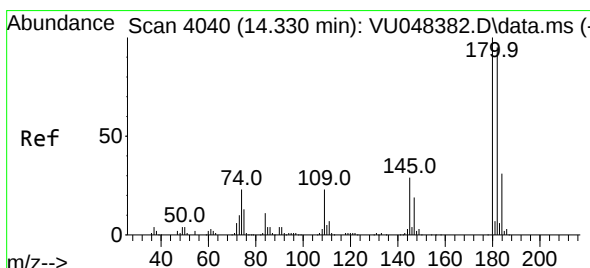
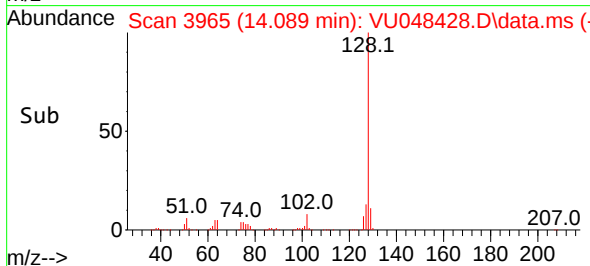
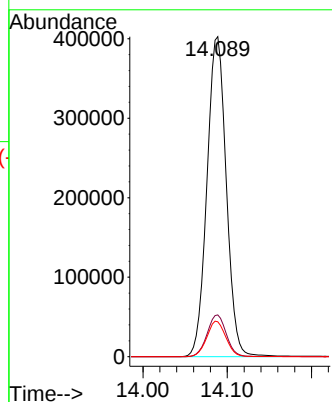
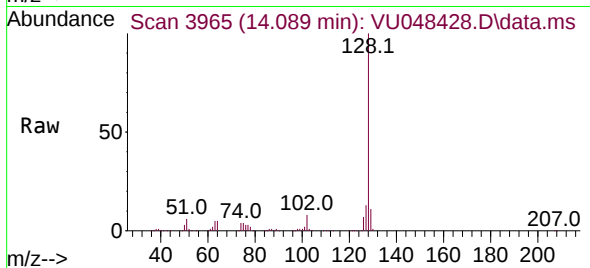




#71
Naphthalene
Concen: 58.562 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

Tgt Ion:128 Resp: 642990
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 57.839 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048428.D
Acq: 05 May 2022 09:45

Tgt Ion:180 Resp: 227414
Ion Ratio Lower Upper
180 100
182 95.7 75.8 113.6
145 29.8 23.5 35.3

