

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046208.D
 Acq On : 09 Dec 2021 10:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050131

Quant Time: Dec 09 12:25:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	221079	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	222894	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	126917	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	108613	59.640	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.280%
7) Chloroethane-d5	1.919	69	77800	55.641	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.280%
11) 1,1-Dichloroethene-d2	2.575	63	179967	55.048	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.100%
21) 2-Butanone-d5	4.639	46	153407	105.965	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.960%
24) Chloroform-d	5.070	84	172738	56.799	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.600%
26) 1,2-Dichloroethane-d4	5.706	65	112465	55.103	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.200%
32) Benzene-d6	5.732	84	372954	58.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.760%
36) 1,2-Dichloropropane-d6	6.694	67	112156	56.647	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.300%
41) Toluene-d8	7.902	98	347399	59.724	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.440%
43) trans-1,3-Dichloroprop...	8.182	79	58595	61.306	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	122.620%
47) 2-Hexanone-d5	8.636	63	111577	118.857	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.860%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	167526	55.793	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.580%
66) 1,2-Dichlorobenzene-d4	12.195	152	136547	55.866	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.740%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	102181	42.482	ug/L	100
3) Chloromethane	1.523	50	91236	42.408	ug/L	97
5) Vinyl chloride	1.607	62	99762	45.989	ug/L	99
6) Bromomethane	1.864	94	61853	50.307	ug/L	96
8) Chloroethane	1.941	64	58111	46.267	ug/L	99
9) Trichlorofluoromethane	2.144	101	134479	47.484	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	84420	52.479	ug/L	96
12) 1,1-Dichloroethene	2.588	96	77513	50.707	ug/L	94
13) Acetone	2.658	43	146259	80.836	ug/L	96
14) Carbon disulfide	2.800	76	217163	45.790	ug/L	100
15) Methyl Acetate	2.961	43	99904	47.366	ug/L	97
16) Methylene chloride	3.051	84	88741	48.793	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	83972	51.908	ug/L	100
18) Methyl tert-butyl Ether	3.369	73	277003	55.562	ug/L	99
19) 1,1-Dichloroethane	3.877	63	153724	52.263	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	95242	54.260	ug/L	97
22) 2-Butanone	4.719	43	176103	89.409	ug/L	96
23) Bromochloromethane	4.980	128	48940	55.204	ug/L	91
25) Chloroform	5.092	83	170131	52.059	ug/L	99

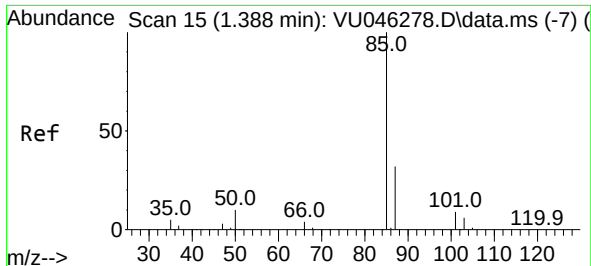
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	122534	50.528	ug/L	99
29) Cyclohexane	5.395	56	131607	50.707	ug/L	98
30) 1,1,1-Trichloroethane	5.324	97	145491	53.176	ug/L	98
31) Carbon tetrachloride	5.530	117	123998	53.384	ug/L	96
33) Benzene	5.780	78	349205	51.764	ug/L	100
34) Trichloroethene	6.546	95	94180	52.993	ug/L	99
35) Methylcyclohexane	6.767	83	140802	51.095	ug/L	99
37) 1,2-Dichloropropane	6.796	63	90358	51.131	ug/L	100
38) Bromodichloromethane	7.111	83	128088	54.531	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	152080	56.568	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	267891	103.176	ug/L	98
42) Toluene	7.973	91	389929	53.867	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	145034	54.927	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	93883	52.953	ug/L	98
46) Tetrachloroethene	8.558	164	71975	55.109	ug/L	97
48) 2-Hexanone	8.687	43	228201	98.275	ug/L	98
49) Dibromochloromethane	8.812	129	106818	57.373	ug/L	99
50) 1,2-Dibromoethane	8.928	107	104699	54.469	ug/L	98
51) Chlorobenzene	9.449	112	253224	54.071	ug/L	99
52) Ethylbenzene	9.574	91	429489	55.130	ug/L	97
53) m,p-Xylene	9.697	106	170285	56.048	ug/L	98
54) o-xylene	10.105	106	164990	55.966	ug/L	95
55) Styrene	10.118	104	292551	58.125	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.787	83	159959	52.624	ug/L	99
59) Bromoform	10.295	173	83128	55.833	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	132707	47.700	ug/L	100
61) Isopropylbenzene	10.488	105	444100	53.780	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	375213	54.514	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	375108	54.472	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	207106	52.799	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	211405	52.148	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	205992	52.148	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	38648	52.145	ug/L	88
69) 1,3,5-Trichlorobenzene	13.221	180	154150	53.935	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	141591	55.827	ug/L	99
71) Naphthalene	14.085	128	518963	58.801	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	143684	55.555	ug/L	99

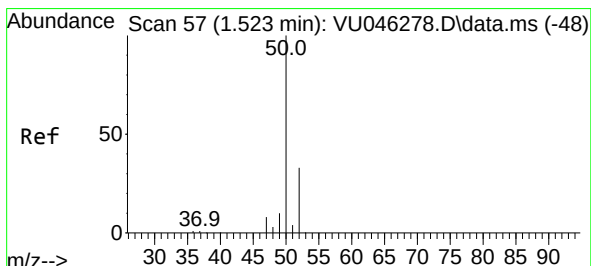
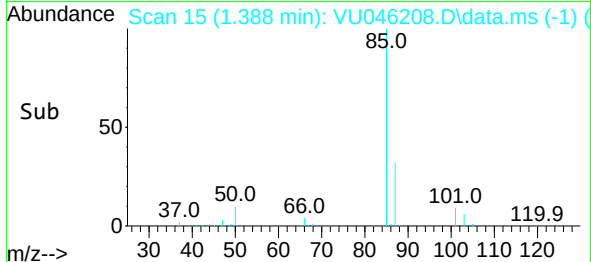
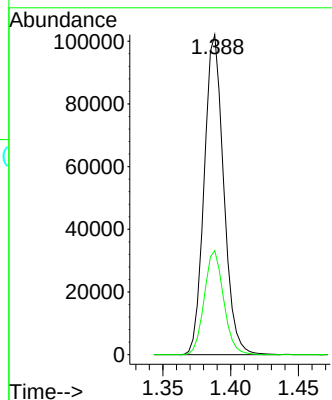
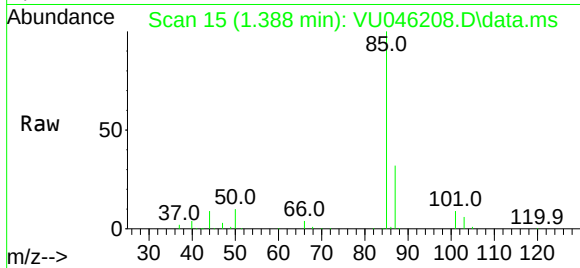
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#2
Dichlorodifluoromethane
Concen: 42.482 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

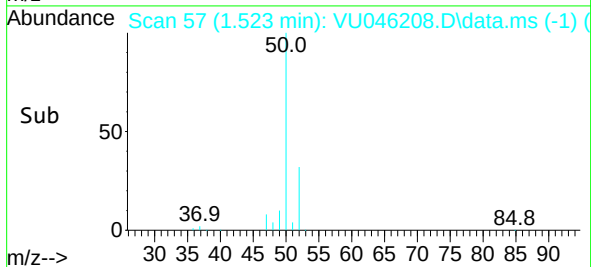
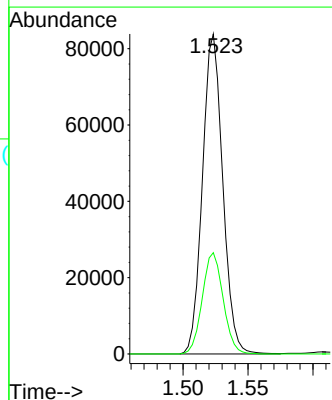
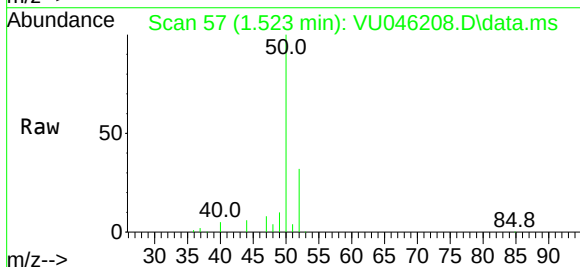
Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

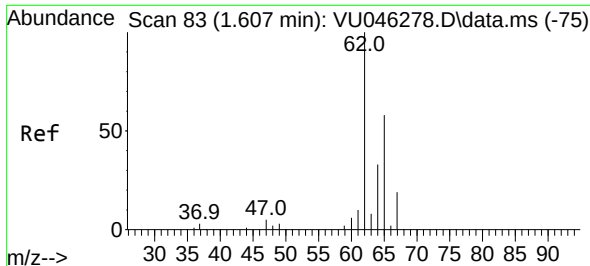
Tgt Ion: 85 Resp: 102181
Ion Ratio Lower Upper
85 100
87 32.3 25.7 38.5



#3
Chloromethane
Concen: 42.408 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion: 50 Resp: 91236
Ion Ratio Lower Upper
50 100
52 31.6 23.2 43.2

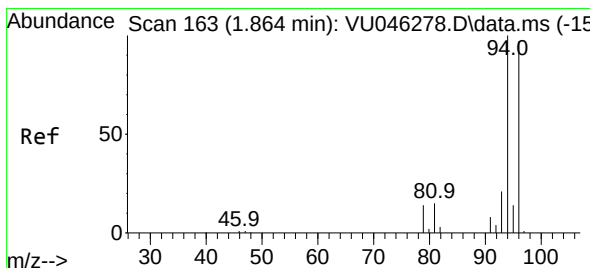
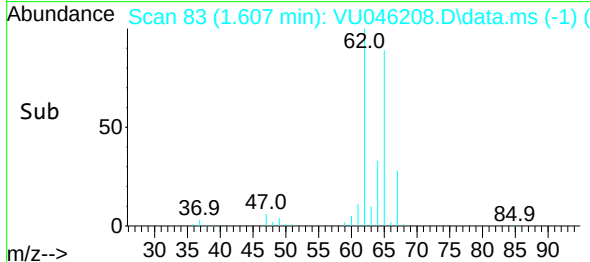
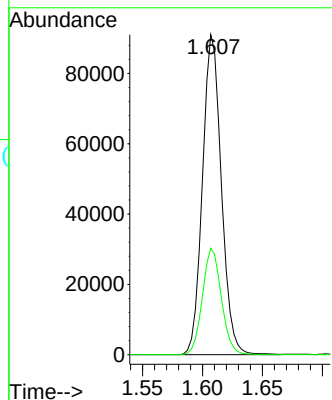
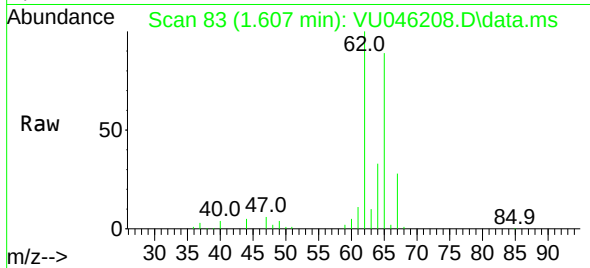




#5
 Vinyl chloride
 Concen: 45.989 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU046208.D
 Acq: 09 Dec 2021 10:21

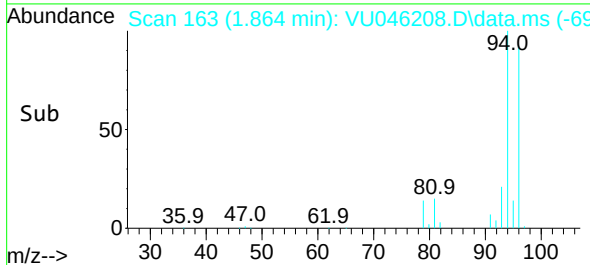
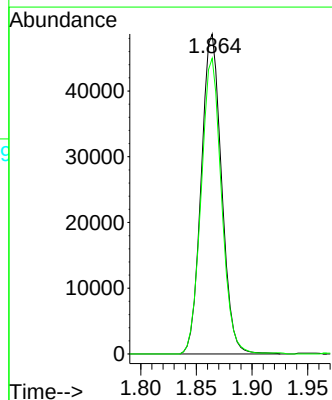
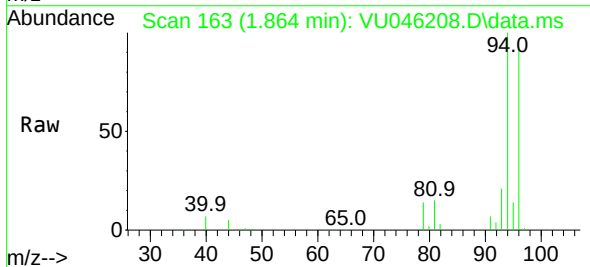
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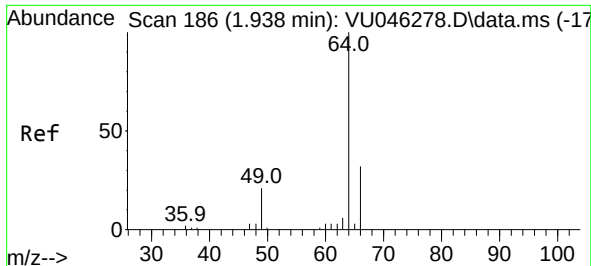
Tgt Ion: 62 Resp: 99762
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.9 42.5



#6
 Bromomethane
 Concen: 50.307 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU046208.D
 Acq: 09 Dec 2021 10:21

Tgt Ion: 94 Resp: 61853
 Ion Ratio Lower Upper
 94 100
 96 92.4 67.4 125.2

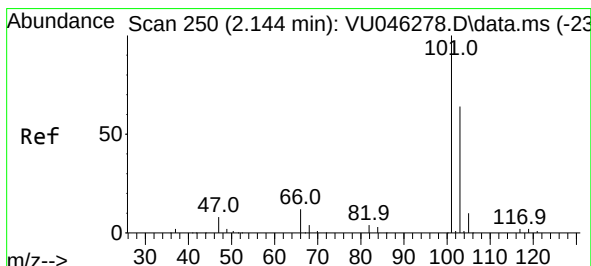
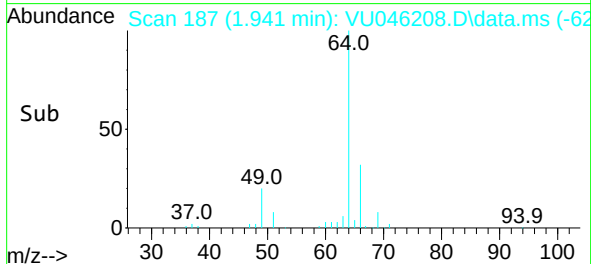
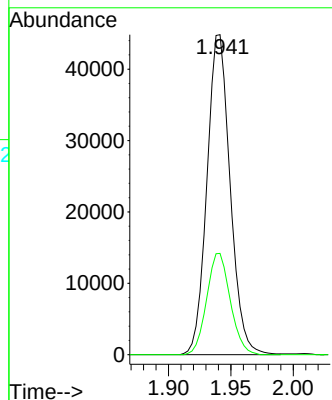
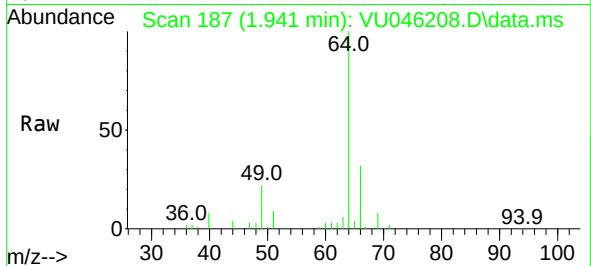




#8
Chloroethane
Concen: 46.267 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

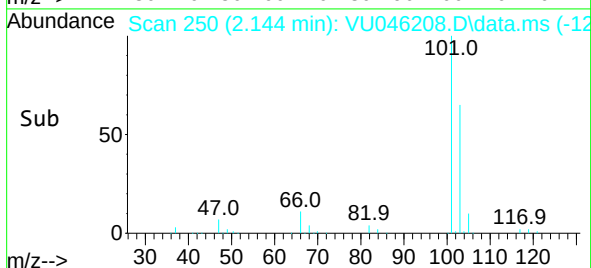
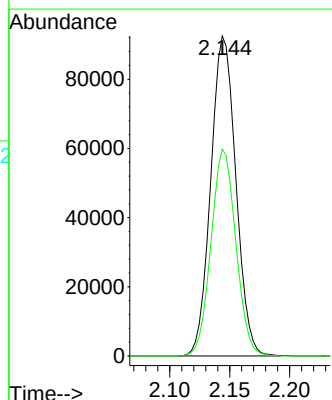
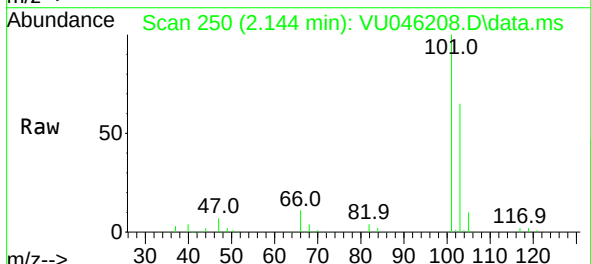
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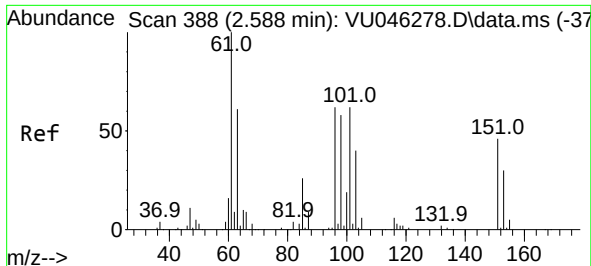
Tgt Ion: 64 Resp: 58111
Ion Ratio Lower Upper
64 100
66 31.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.484 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion:101 Resp: 134479
Ion Ratio Lower Upper
101 100
103 63.9 51.8 77.6

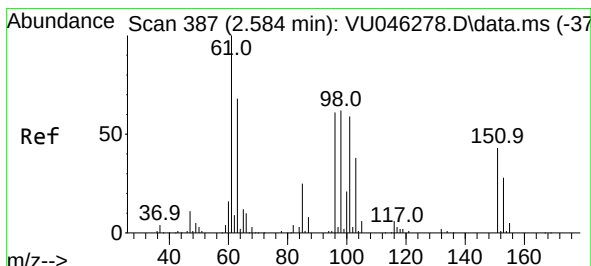
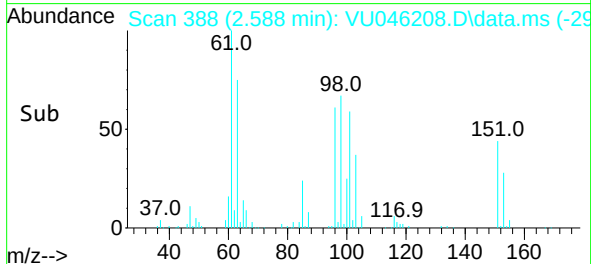
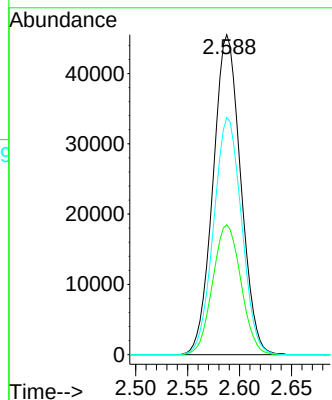
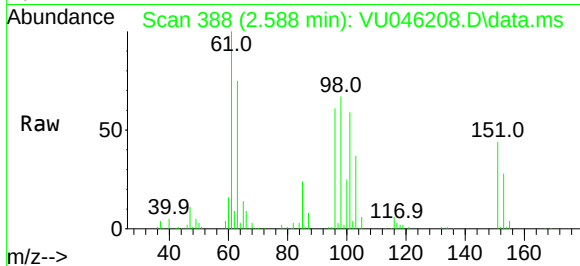




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.479 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046208.D
 Acq: 09 Dec 2021 10:21

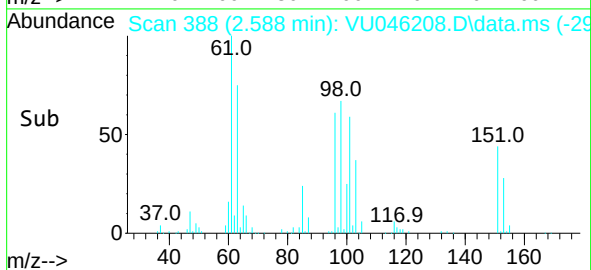
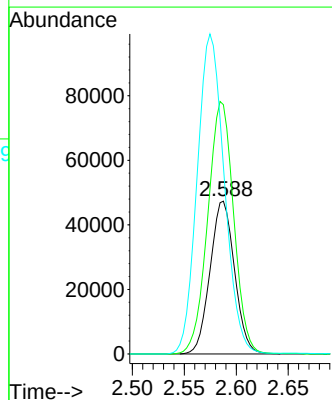
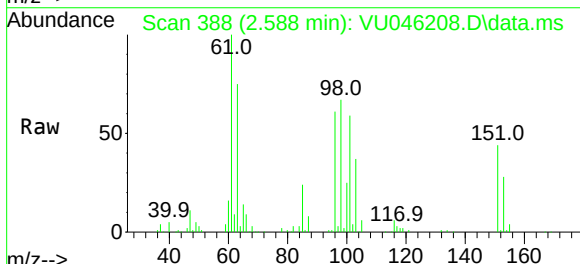
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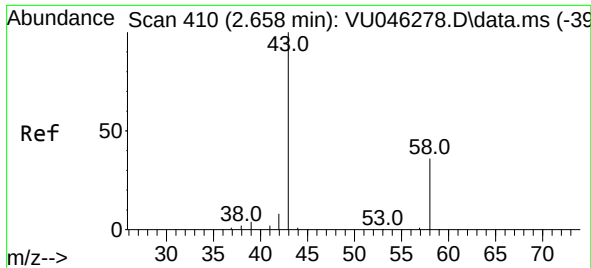
Tgt Ion:101 Resp: 84420
 Ion Ratio Lower Upper
 101 100
 85 41.5 35.1 52.7
 151 74.9 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 50.707 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046208.D
 Acq: 09 Dec 2021 10:21

Tgt Ion: 96 Resp: 77513
 Ion Ratio Lower Upper
 96 100
 61 163.1 118.6 220.2
 63 122.9 93.0 172.8





#13

Acetone

Concen: 80.836 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.003 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

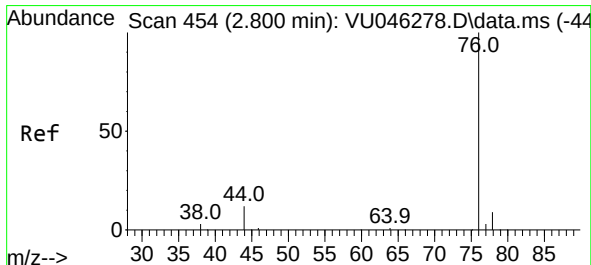
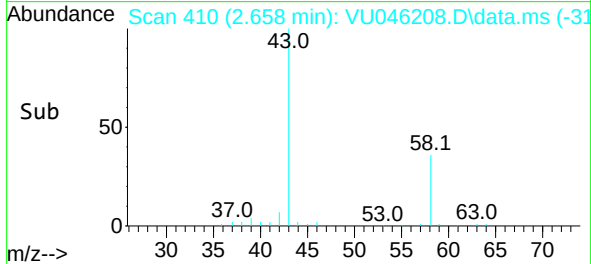
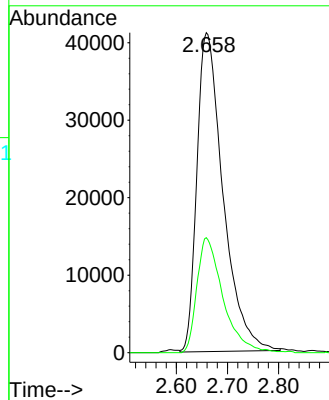
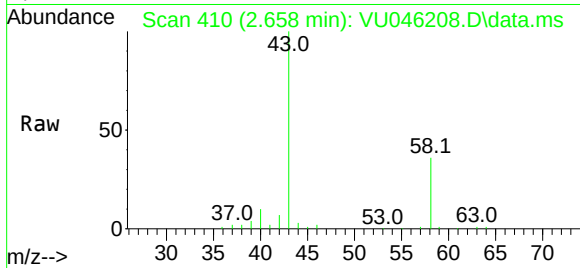
VSTD050131

Tgt Ion: 43 Resp: 146259

Ion Ratio Lower Upper

43 100

58 35.6 0.0 66.8



#14

Carbon disulfide

Concen: 45.790 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046208.D

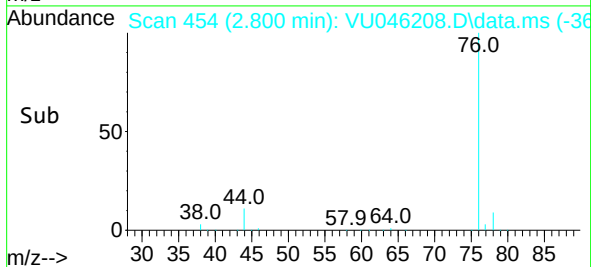
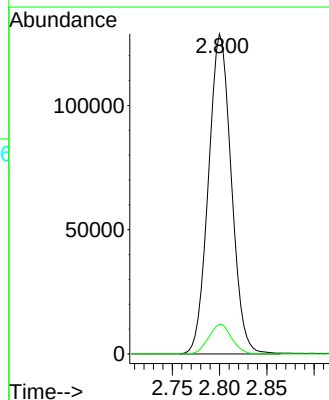
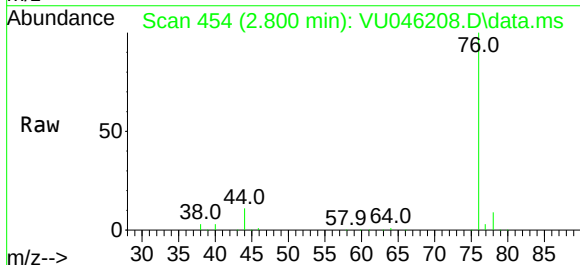
Acq: 09 Dec 2021 10:21

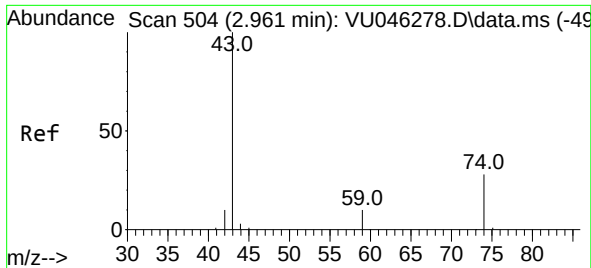
Tgt Ion: 76 Resp: 217163

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

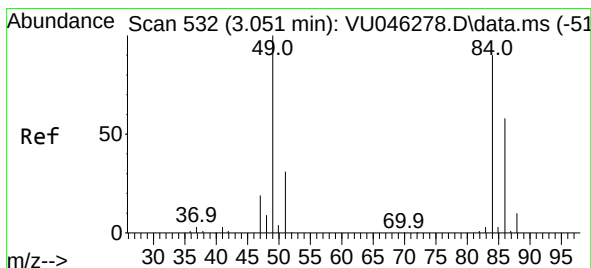
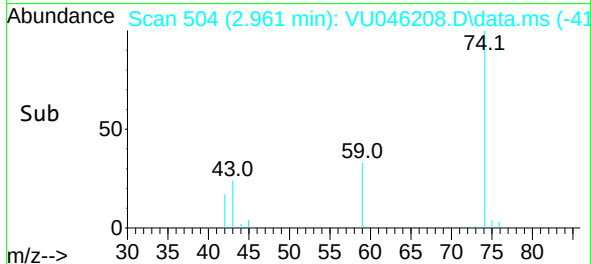
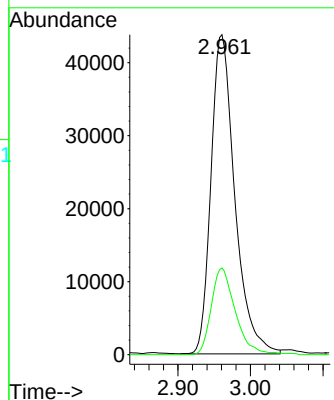
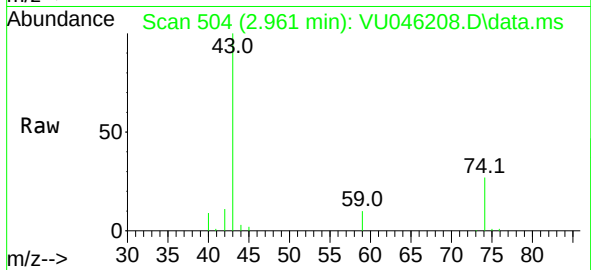




#15
Methyl Acetate
Concen: 47.366 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

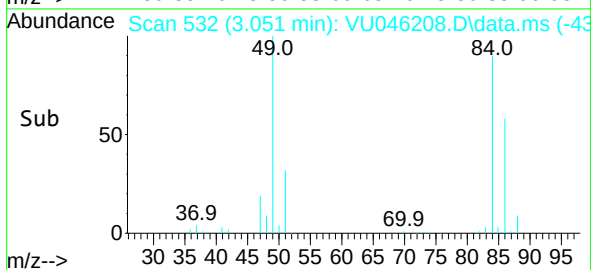
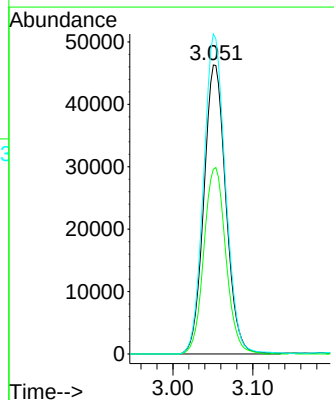
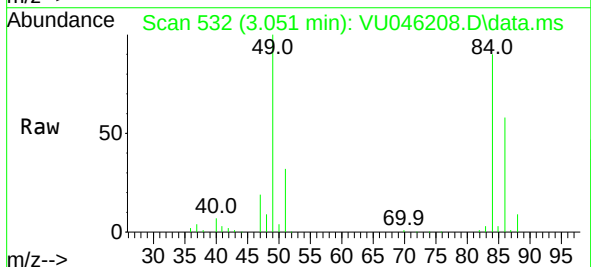
Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

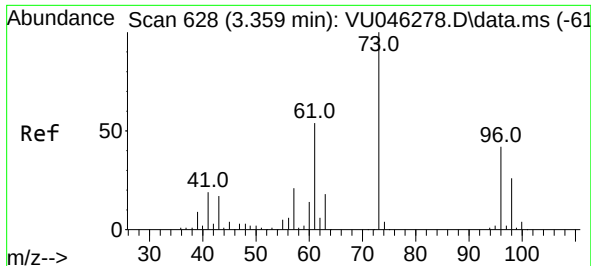
Tgt Ion: 43 Resp: 99904
Ion Ratio Lower Upper
43 100
74 27.3 20.8 31.2



#16
Methylene chloride
Concen: 48.793 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion: 84 Resp: 88741
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 110.7 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 51.908 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050131

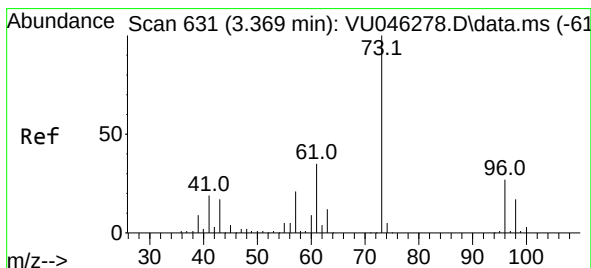
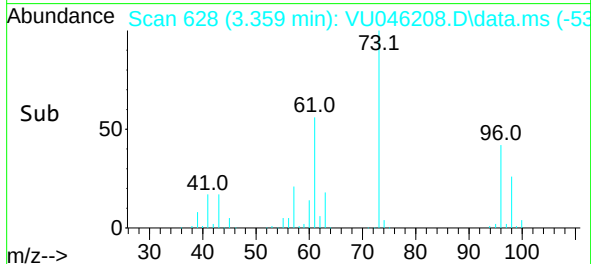
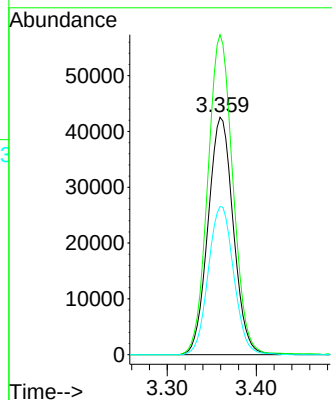
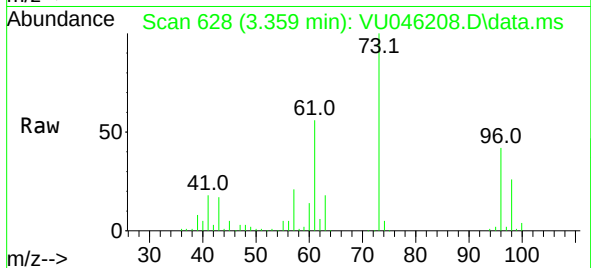
Tgt Ion: 96 Resp: 83972

Ion Ratio Lower Upper

96 100

61 134.8 94.6 175.6

98 62.4 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 55.562 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

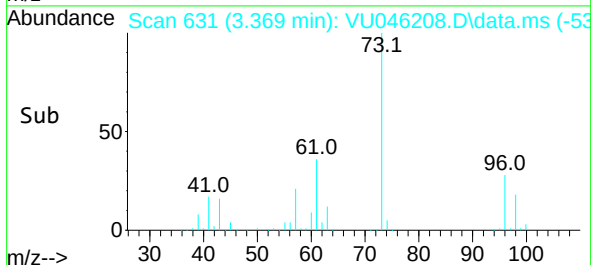
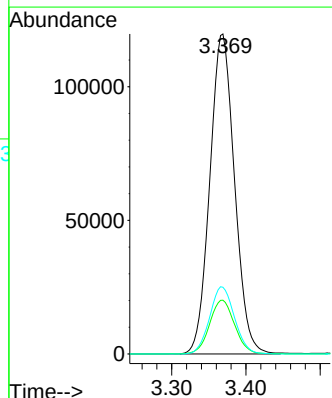
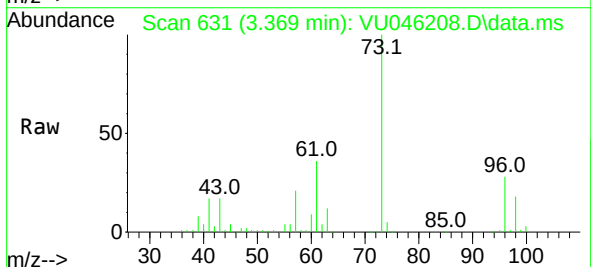
Tgt Ion: 73 Resp: 277003

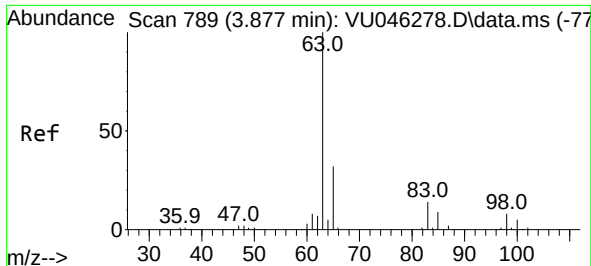
Ion Ratio Lower Upper

73 100

43 17.1 14.0 21.0

57 21.1 17.0 25.4





#19

1,1-Dichloroethane

Concen: 52.263 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050131

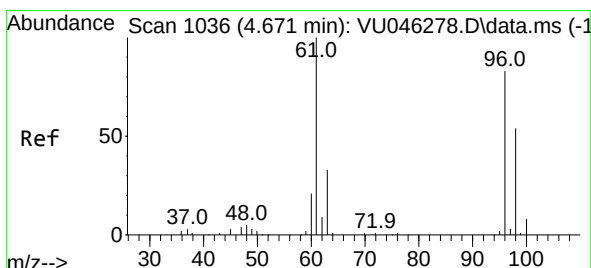
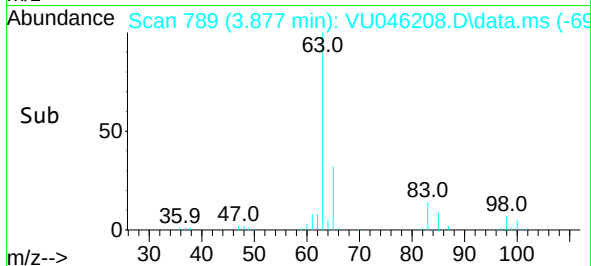
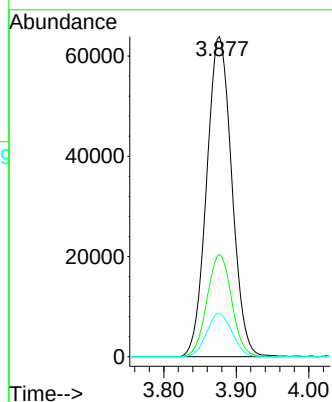
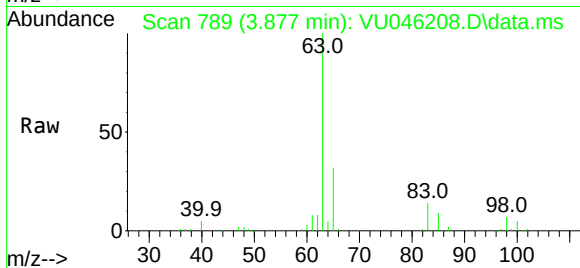
Tgt Ion: 63 Resp: 153724

Ion Ratio Lower Upper

63 100

65 31.9 22.8 42.4

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 54.260 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

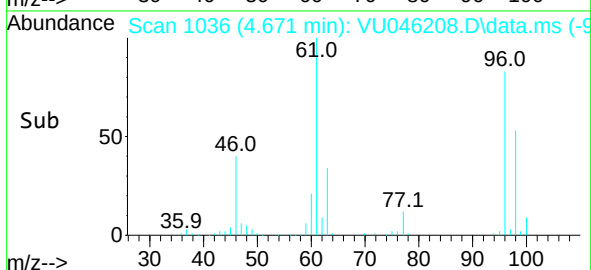
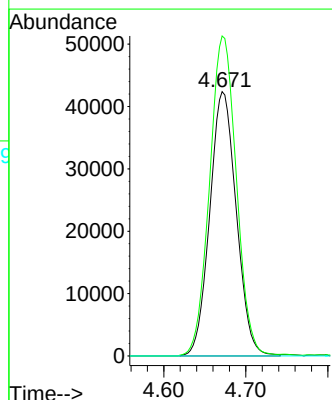
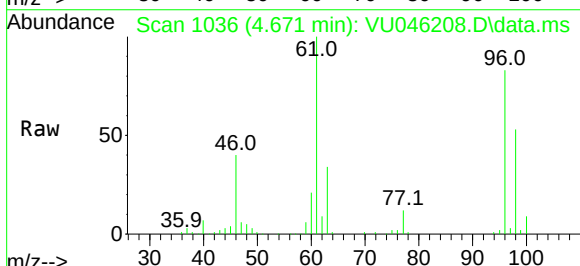
Tgt Ion: 96 Resp: 95242

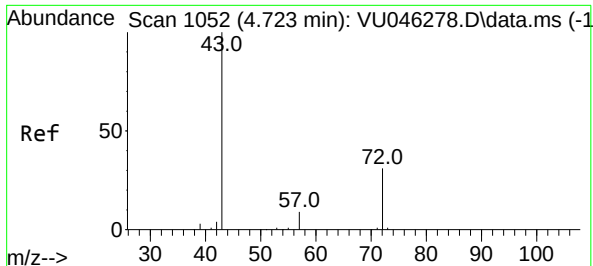
Ion Ratio Lower Upper

96 100

61 121.0 86.8 161.2

68 0.0 0.0 0.0

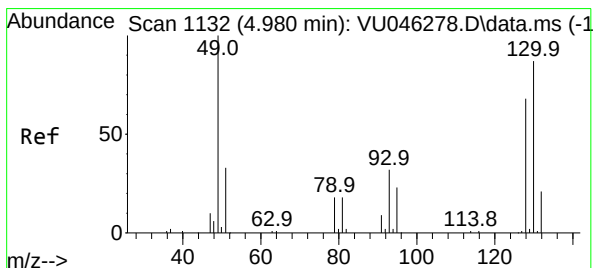
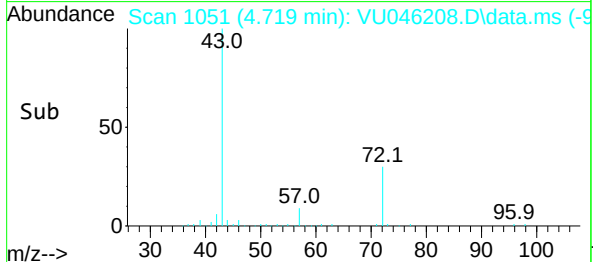
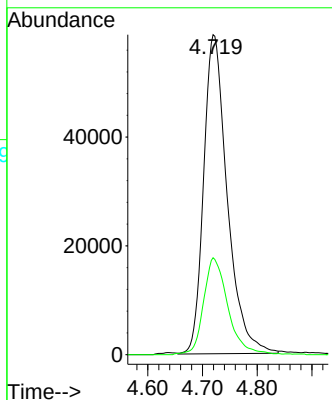
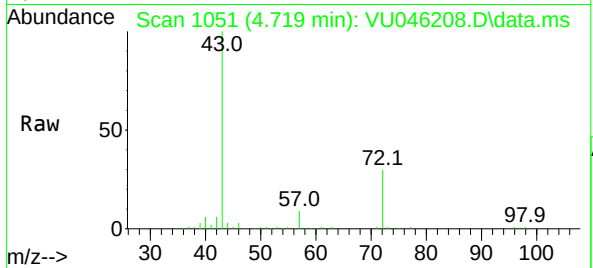




#22
2-Butanone
Concen: 89.409 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. -0.003 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

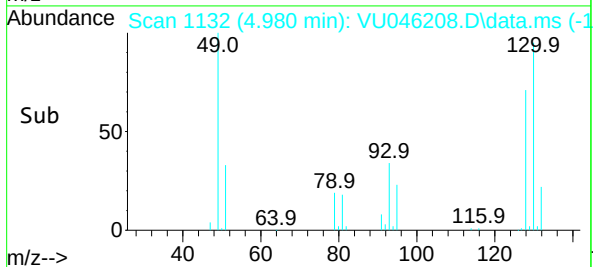
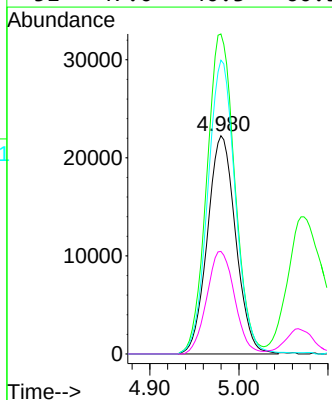
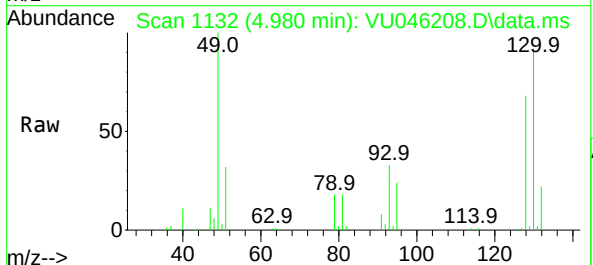
Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

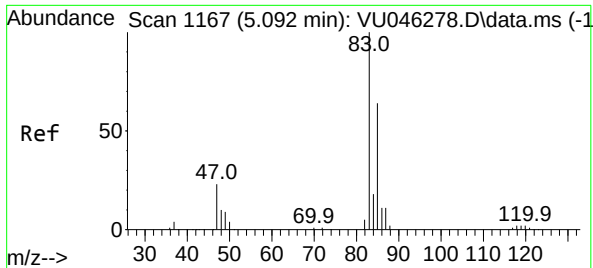
Tgt Ion: 43 Resp: 176103
Ion Ratio Lower Upper
43 100
72 31.3 14.5 43.6



#23
Bromochloromethane
Concen: 55.204 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion:128 Resp: 48940
Ion Ratio Lower Upper
128 100
49 146.7 115.9 215.3
130 134.6 91.8 170.4
51 47.0 40.3 60.5





#25

Chloroform

Concen: 52.059 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

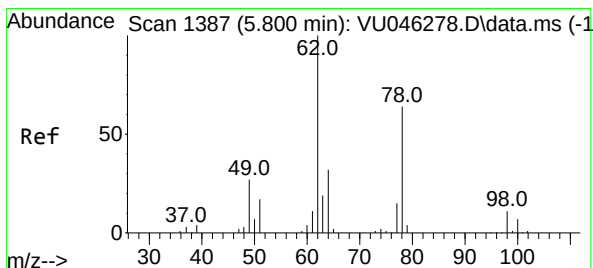
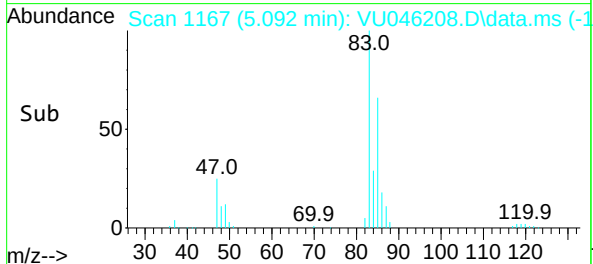
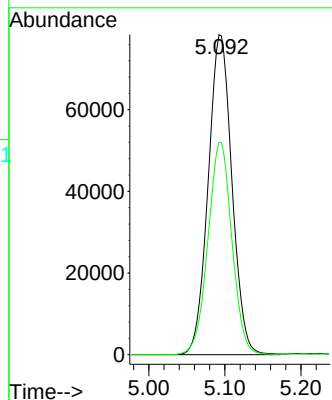
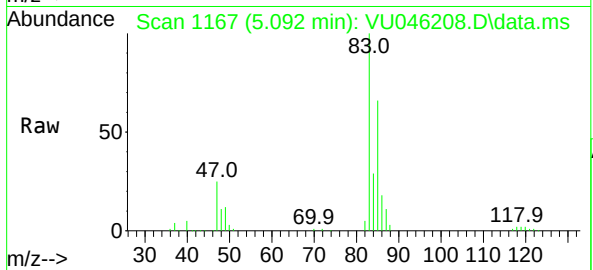
VSTD050131

Tgt Ion: 83 Resp: 170131

Ion Ratio Lower Upper

83 100

85 66.4 45.8 85.2



#27

1,2-Dichloroethane

Concen: 50.528 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VU046208.D

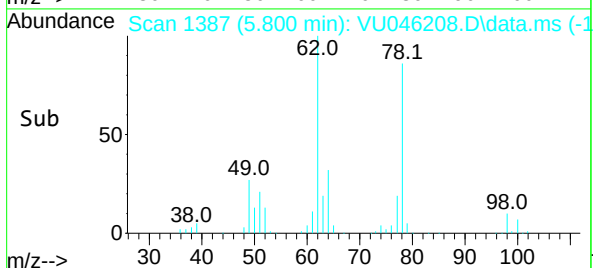
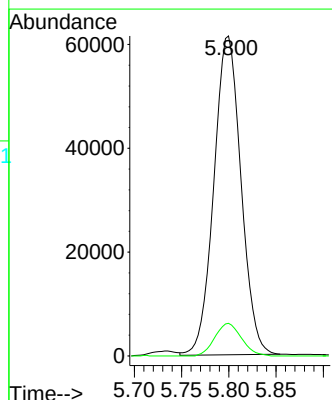
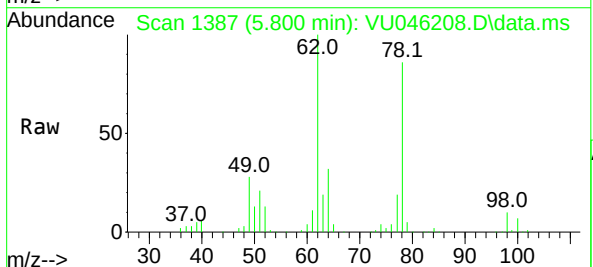
Acq: 09 Dec 2021 10:21

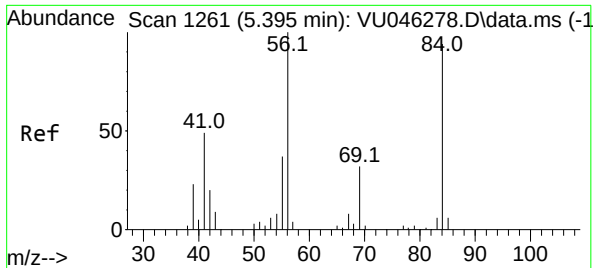
Tgt Ion: 62 Resp: 122534

Ion Ratio Lower Upper

62 100

98 10.2 7.9 11.9





#29

Cyclohexane

Concen: 50.707 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050131

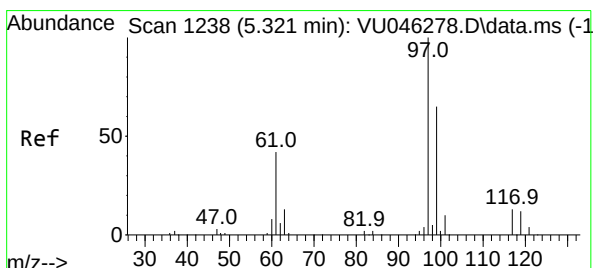
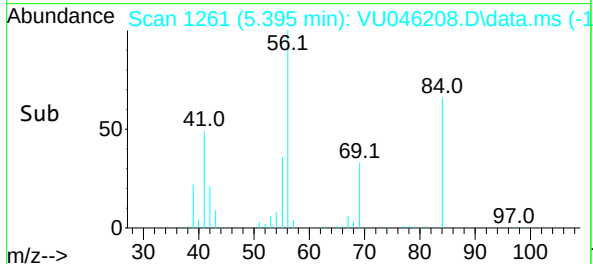
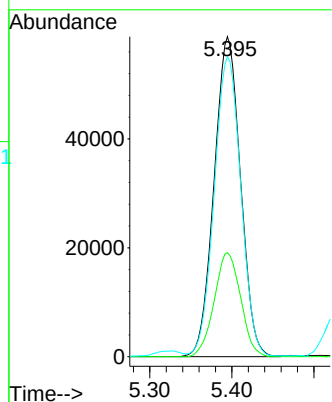
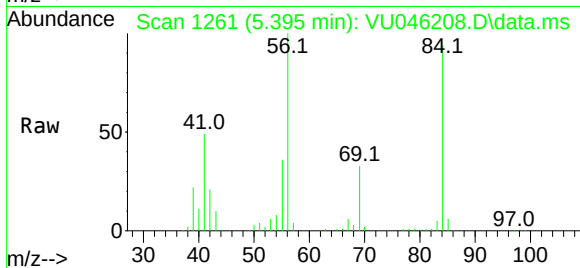
Tgt Ion: 56 Resp: 131607

Ion Ratio Lower Upper

56 100

69 32.5 25.2 37.8

84 94.2 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 53.176 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. 0.003 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

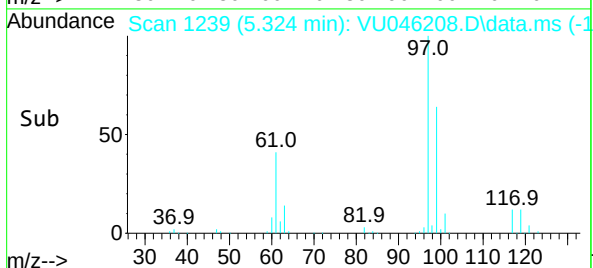
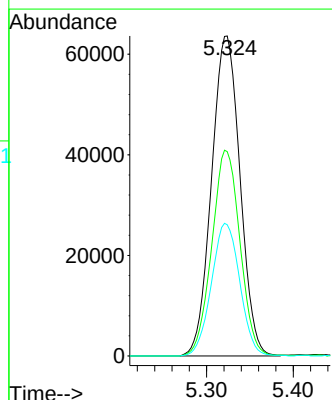
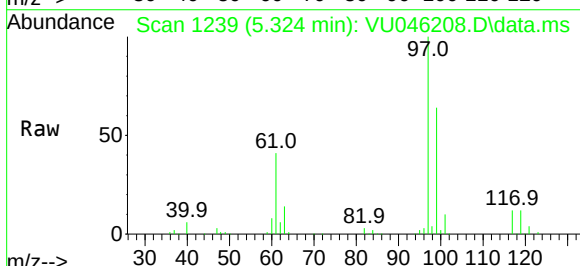
Tgt Ion: 97 Resp: 145491

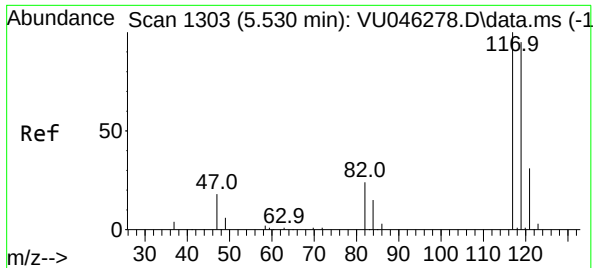
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.6

61 41.3 34.4 51.6

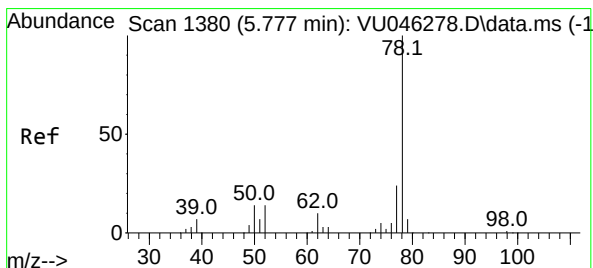
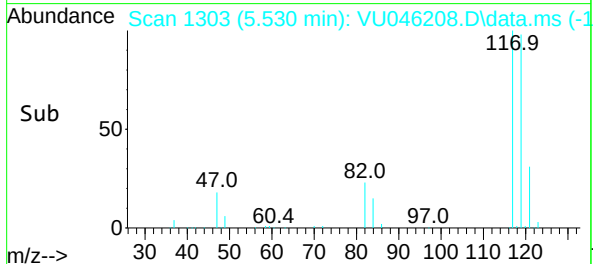
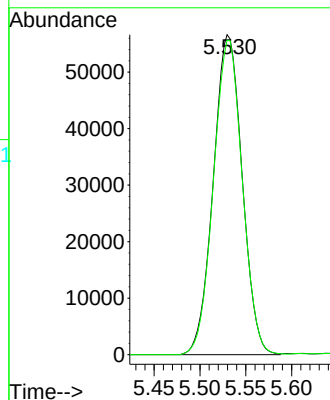
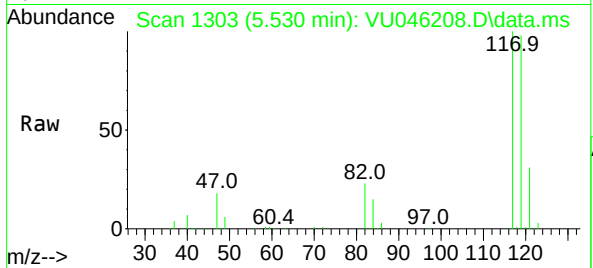




#31
Carbon tetrachloride
Concen: 53.384 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

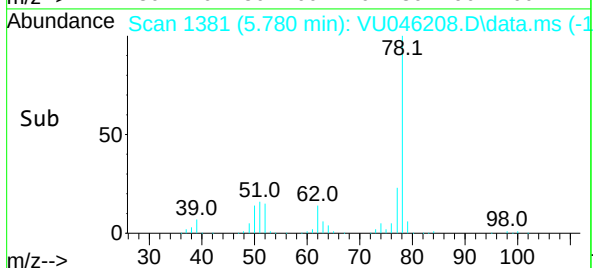
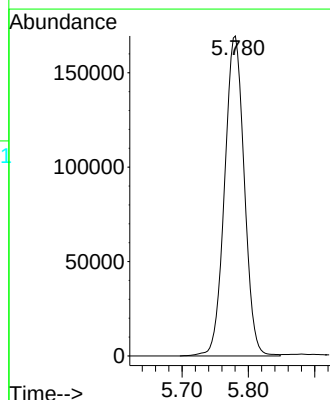
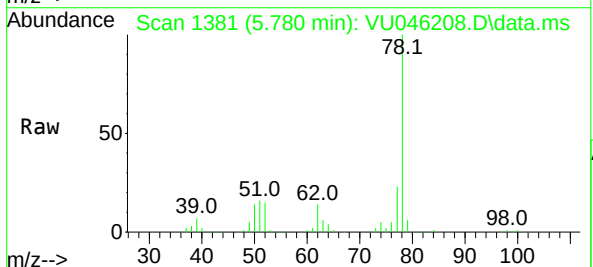
Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

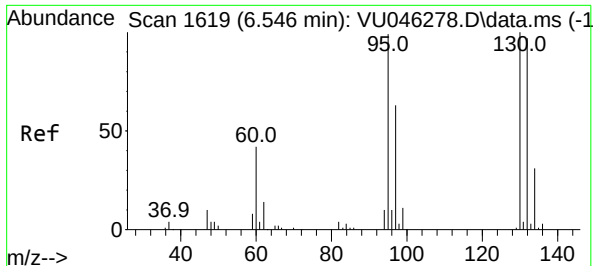
Tgt Ion:117 Resp: 123998
Ion Ratio Lower Upper
117 100
119 98.2 75.7 113.5



#33
Benzene
Concen: 51.764 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion: 78 Resp: 349205



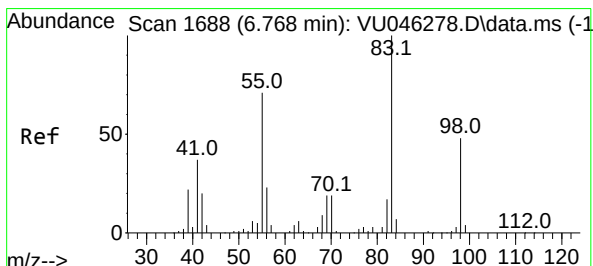
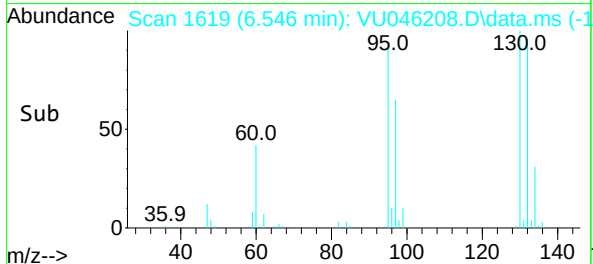
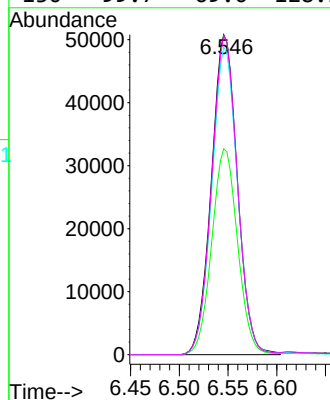
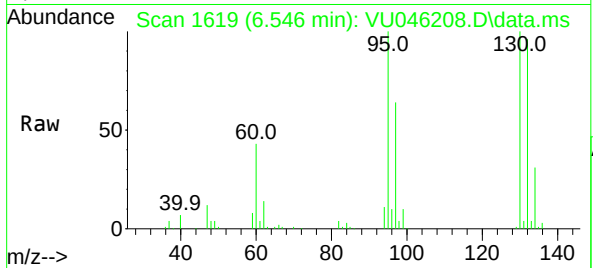


#34
Trichloroethene
Concen: 52.993 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

Tgt Ion: 95 Resp: 94180

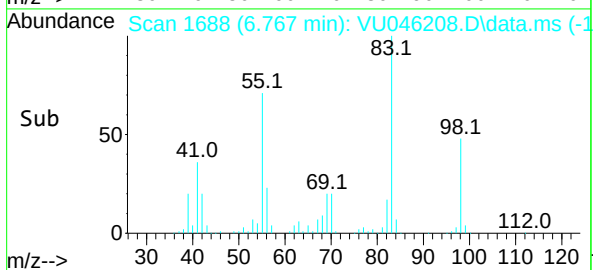
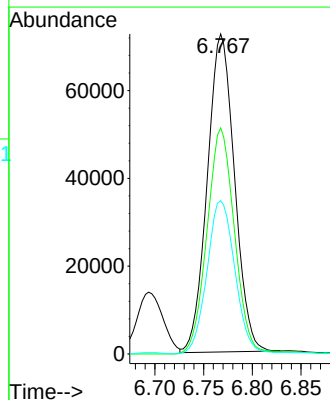
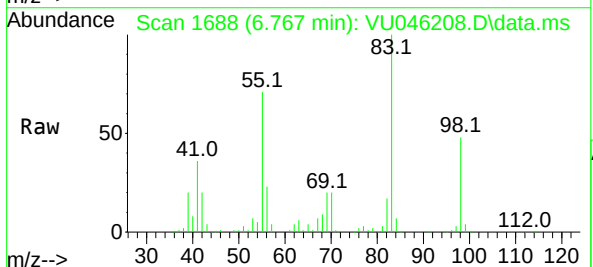
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.1	81.9
132	96.1	66.8	124.0
130	99.7	69.0	128.1

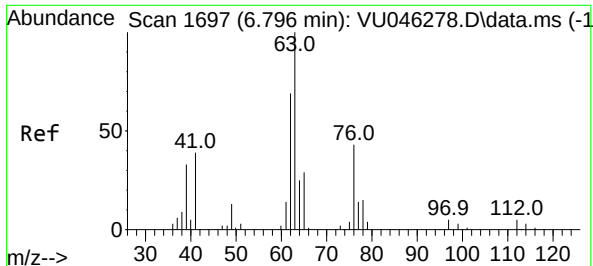


#35
Methylcyclohexane
Concen: 51.095 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion: 83 Resp: 140802

Ion	Ratio	Lower	Upper
83	100		
55	71.8	57.8	86.6
98	49.5	38.4	57.6





#37

1,2-Dichloropropane

Concen: 51.131 ug/L

RT: 6.796 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

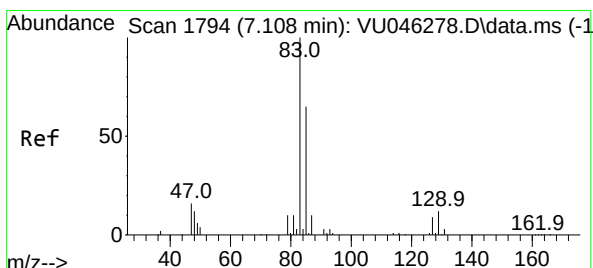
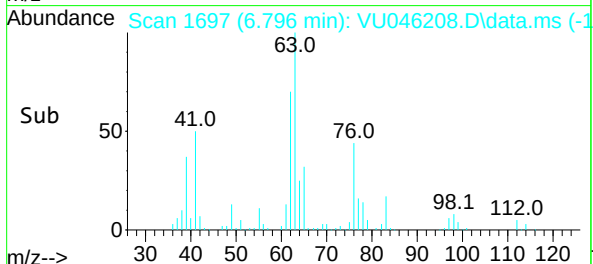
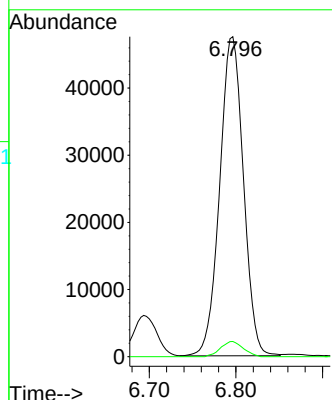
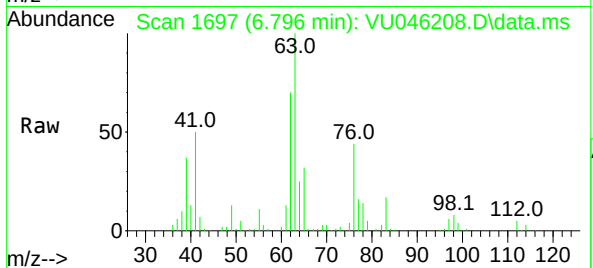
VSTD050131

Tgt Ion: 63 Resp: 90358

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 54.531 ug/L

RT: 7.111 min Scan# 1795

Delta R.T. 0.003 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

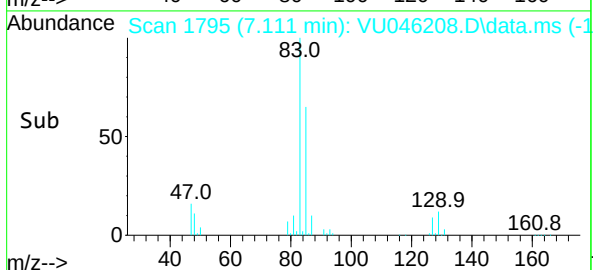
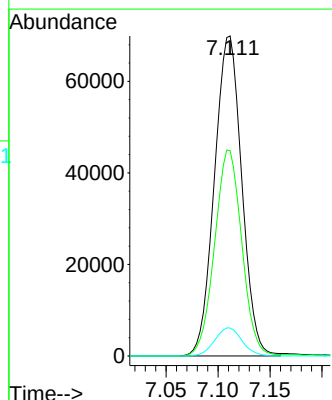
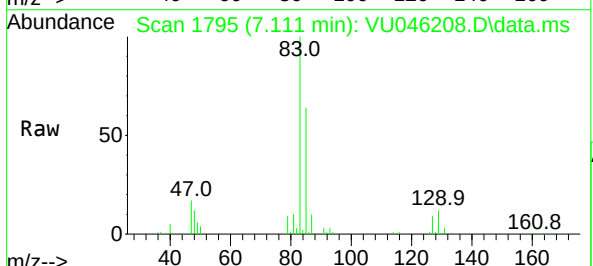
Tgt Ion: 83 Resp: 128088

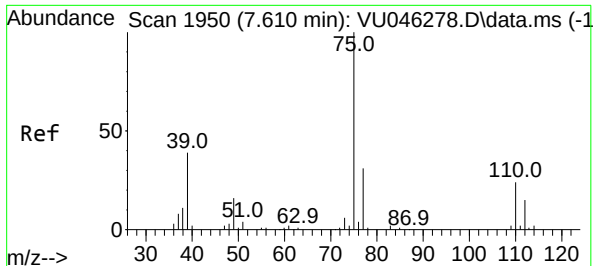
Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.5

127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 56.568 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

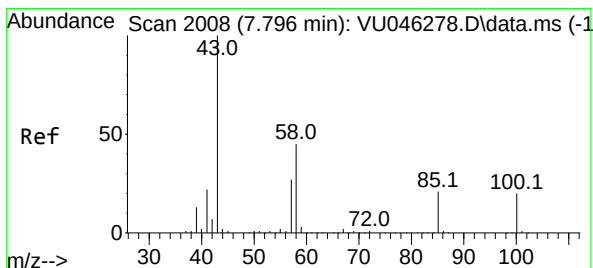
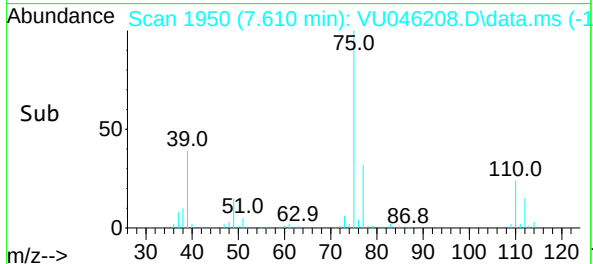
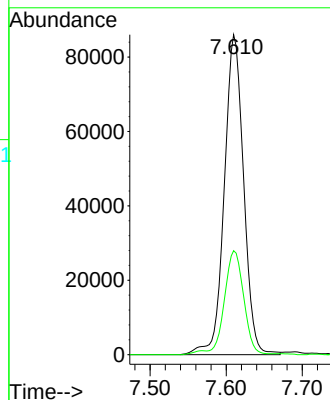
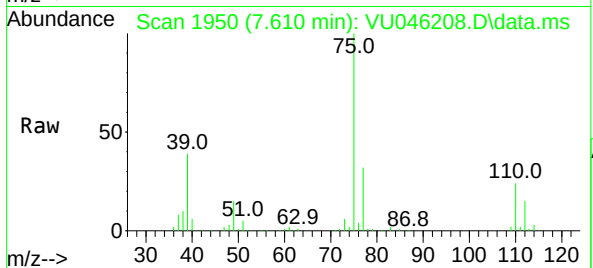
VSTD050131

Tgt Ion: 75 Resp: 152080

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 103.176 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

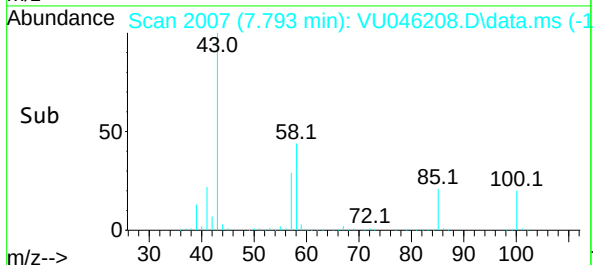
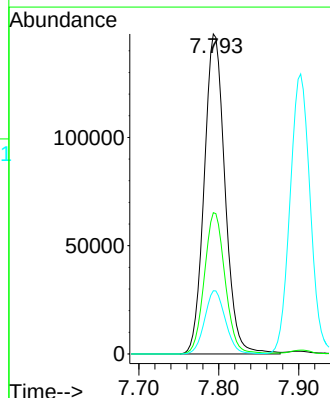
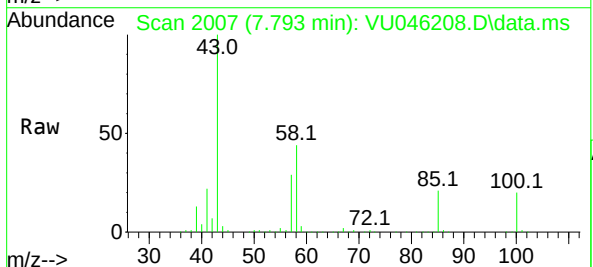
Tgt Ion: 43 Resp: 267891

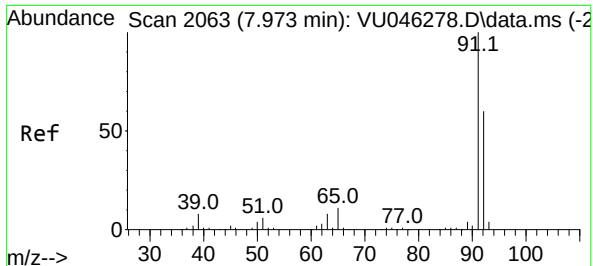
Ion Ratio Lower Upper

43 100

58 44.1 34.2 51.4

100 19.6 14.5 21.7

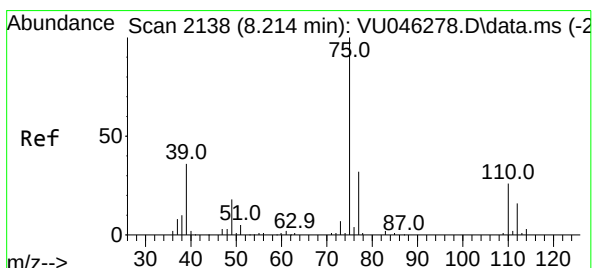
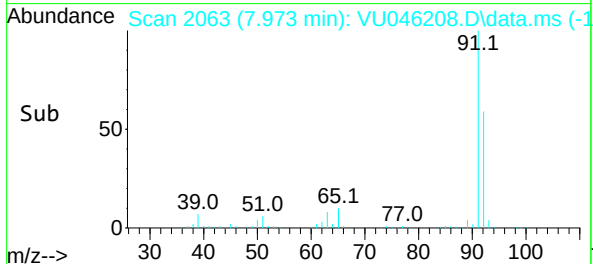
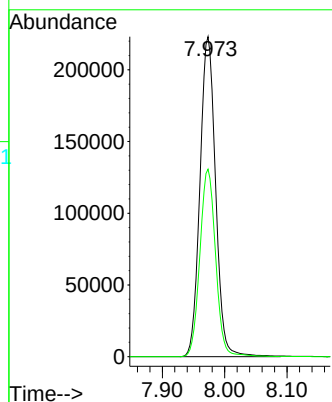
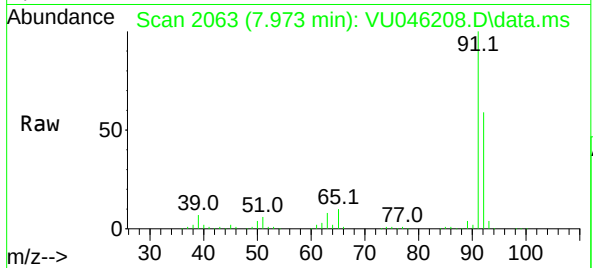




#42
Toluene
Concen: 53.867 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

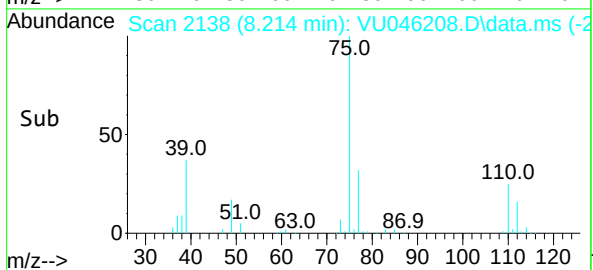
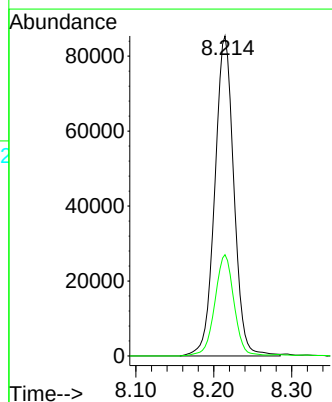
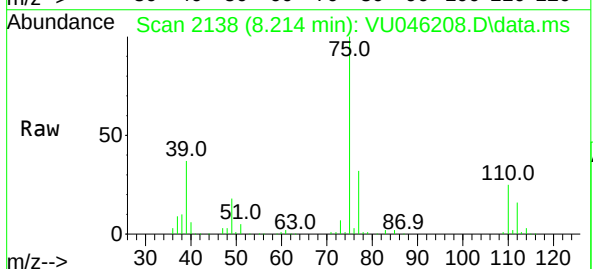
Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

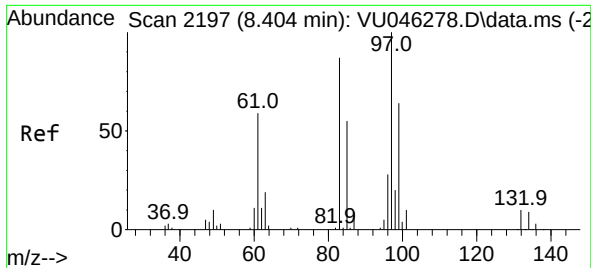
Tgt Ion: 91 Resp: 389929
Ion Ratio Lower Upper
91 100
92 58.6 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 54.927 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion: 75 Resp: 145034
Ion Ratio Lower Upper
75 100
77 31.6 21.7 40.3



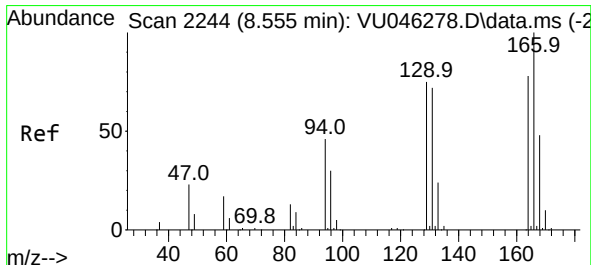
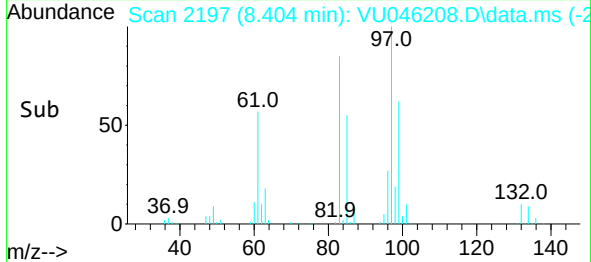
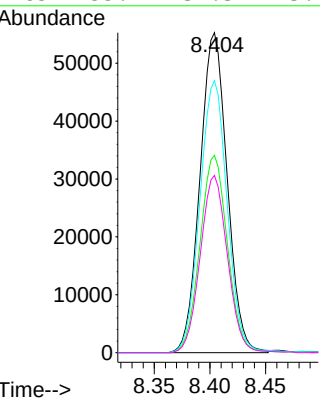
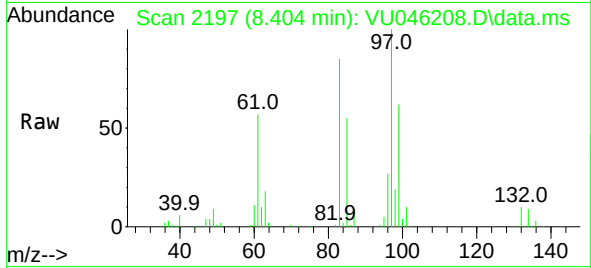


#45
1,1,2-Trichloroethane
Concen: 52.953 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

Tgt Ion: 97 Resp: 93883

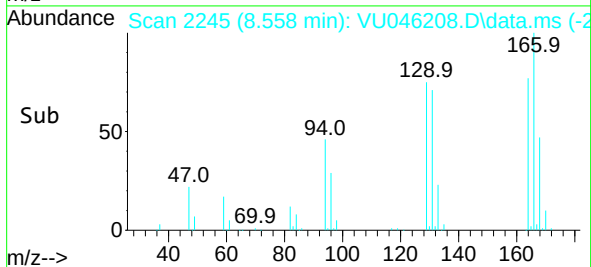
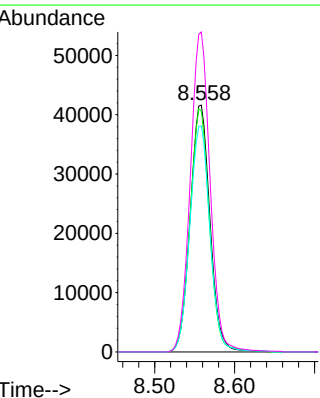
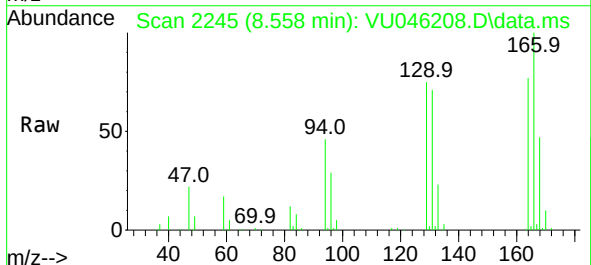
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.7	82.9
83	85.0	60.2	111.8
85	55.4	39.3	73.1

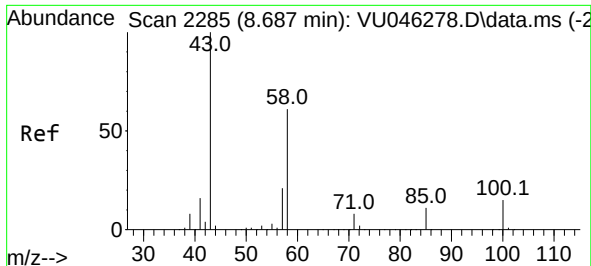


#46
Tetrachloroethene
Concen: 55.109 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion: 164 Resp: 71975

Ion	Ratio	Lower	Upper
164	100		
129	97.7	71.1	132.1
131	91.5	67.8	126.0
166	129.6	90.6	168.2



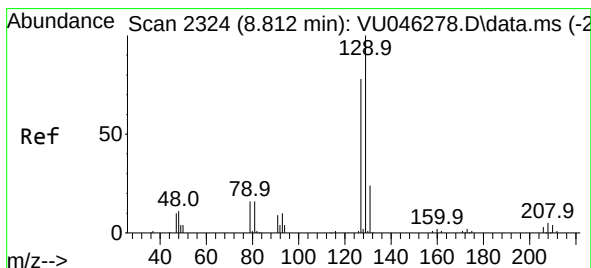
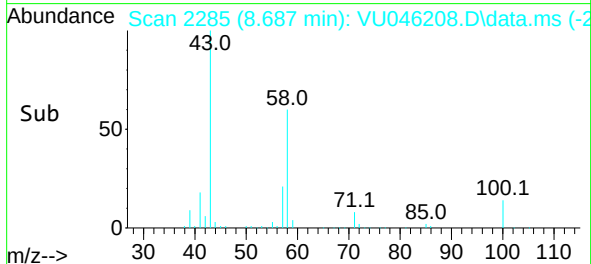
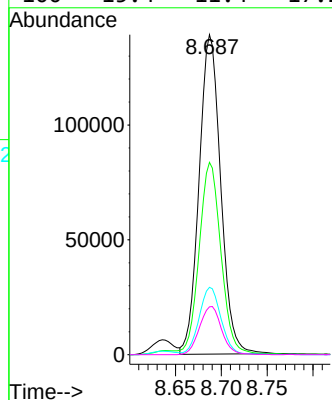
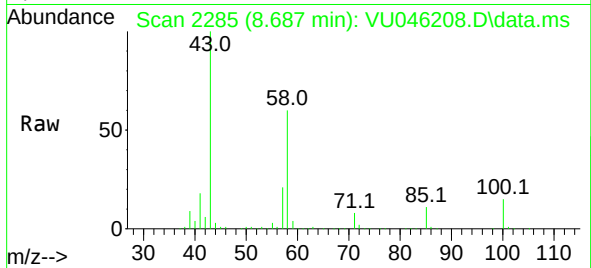


#48
2-Hexanone
Concen: 98.275 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

Tgt Ion: 43 Resp: 228201

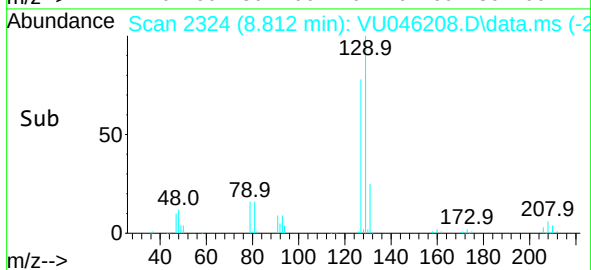
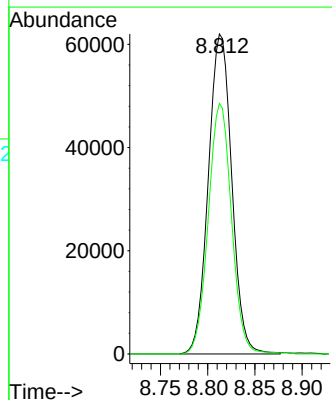
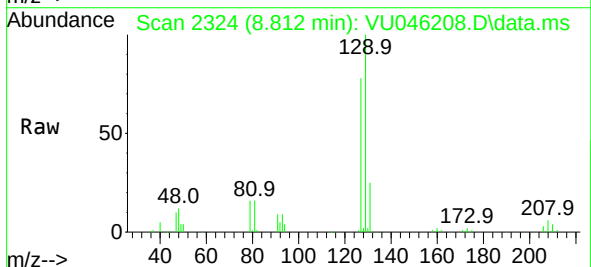
Ion	Ratio	Lower	Upper
43	100		
58	60.3	47.4	71.2
57	21.6	16.6	25.0
100	15.4	11.4	17.2

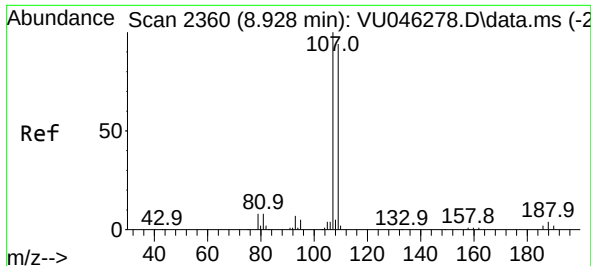


#49
Dibromochloromethane
Concen: 57.373 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion: 129 Resp: 106818

Ion	Ratio	Lower	Upper
129	100		
127	78.3	55.6	103.4

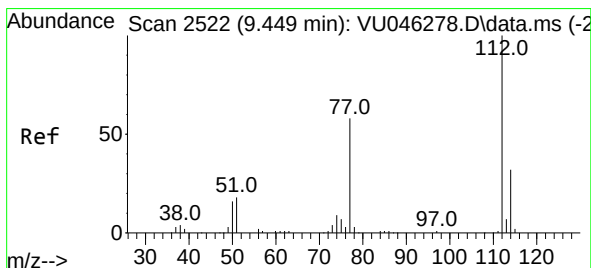
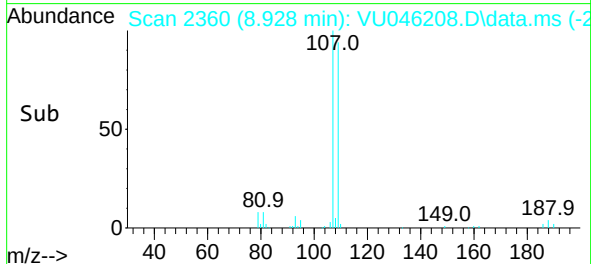
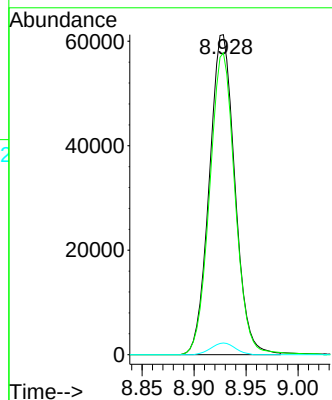
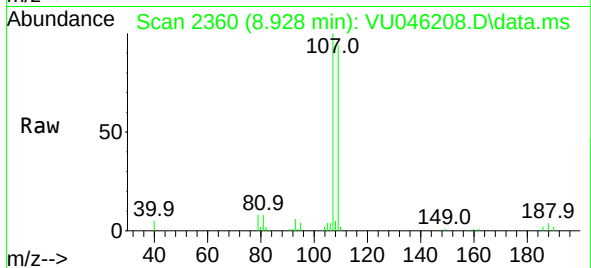




#50
1,2-Dibromoethane
Concen: 54.469 ug/L
RT: 8.928 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

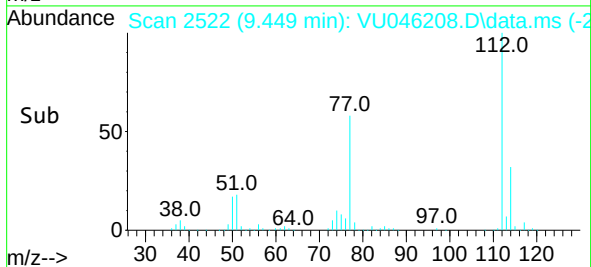
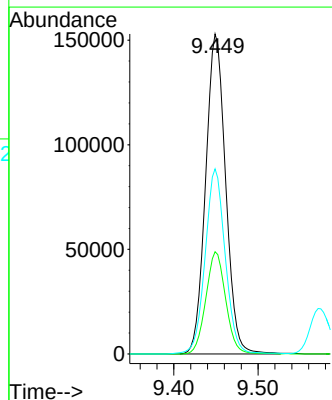
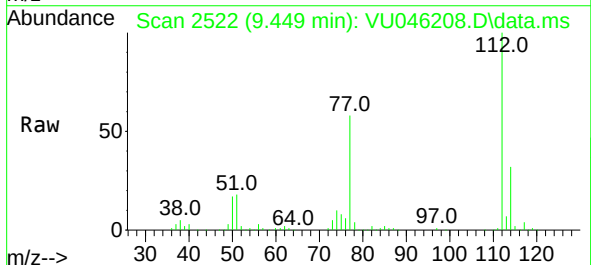
Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

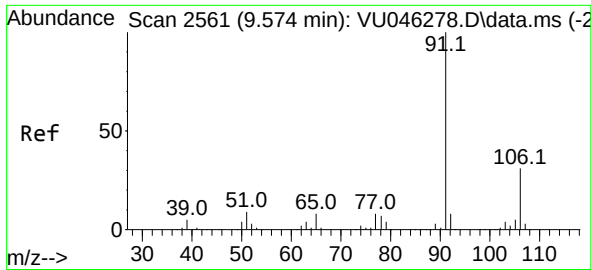
Tgt Ion:107 Resp: 104699
Ion Ratio Lower Upper
107 100
109 94.3 64.9 120.5
188 3.7 2.6 3.8



#51
Chlorobenzene
Concen: 54.071 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion:112 Resp: 253224
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 57.9 47.4 71.0

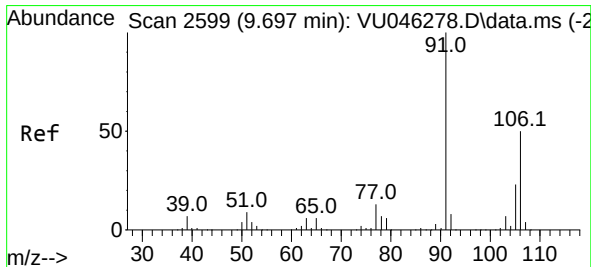
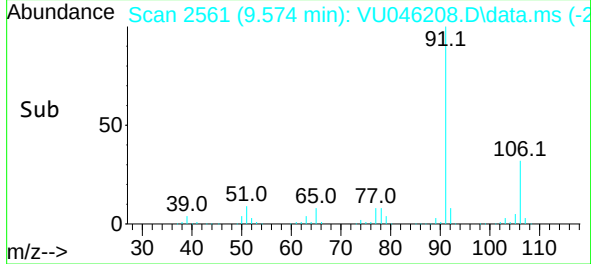
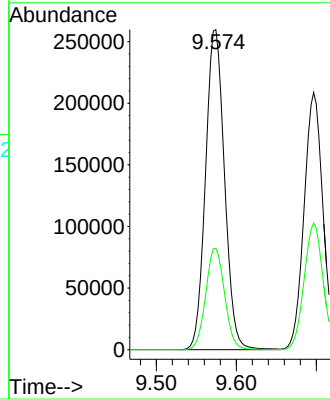
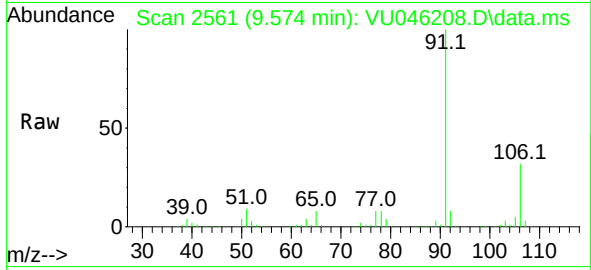




#52
Ethylbenzene
Concen: 55.130 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

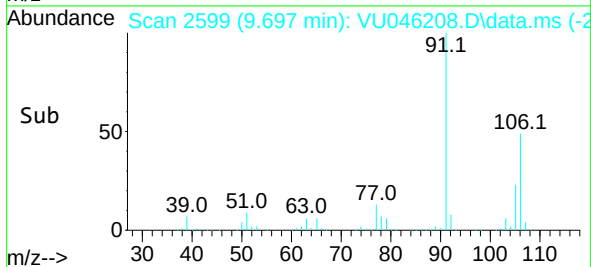
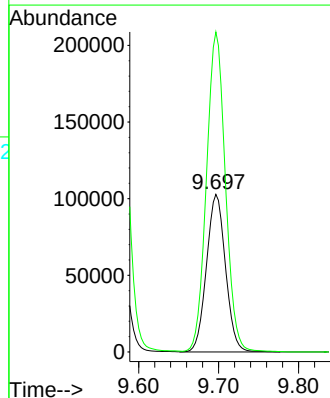
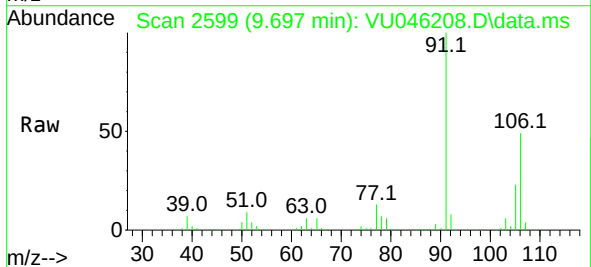
Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

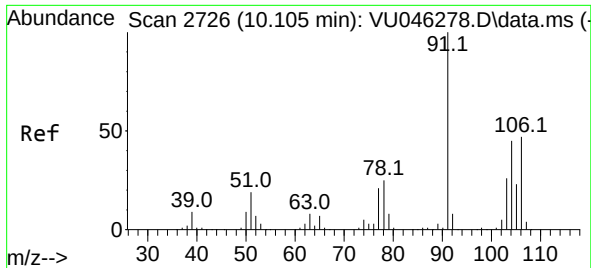
Tgt Ion: 91 Resp: 429489
Ion Ratio Lower Upper
91 100
106 31.7 21.1 39.3



#53
m,p-Xylene
Concen: 56.048 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion: 106 Resp: 170285
Ion Ratio Lower Upper
106 100
91 203.0 144.3 268.1

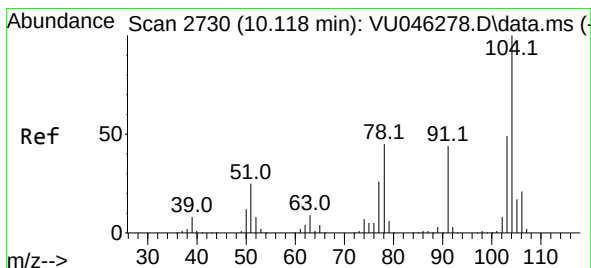
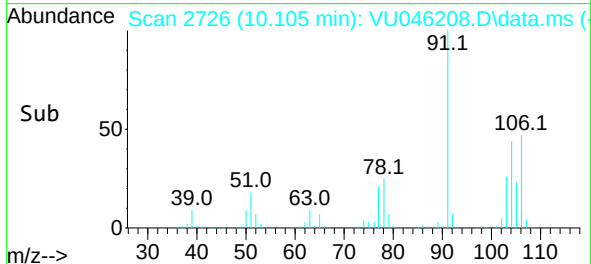
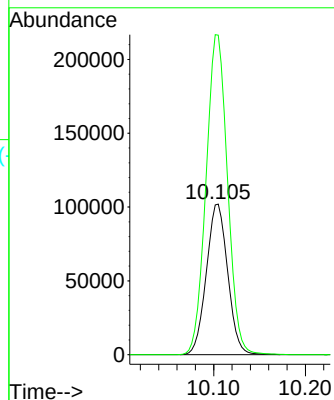
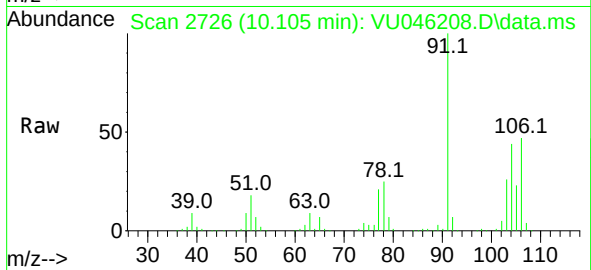




#54
o-xylene
Concen: 55.966 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

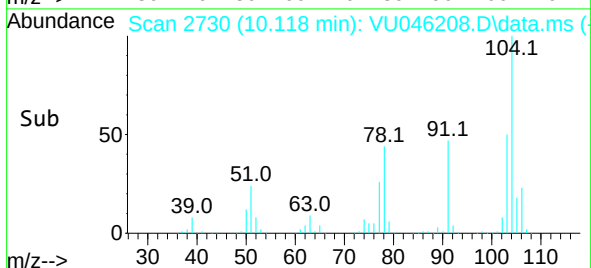
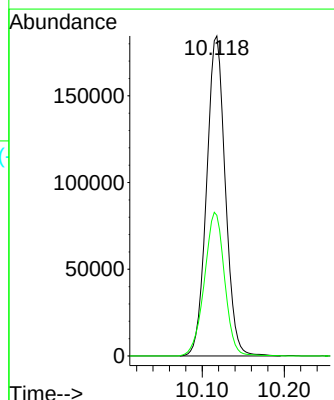
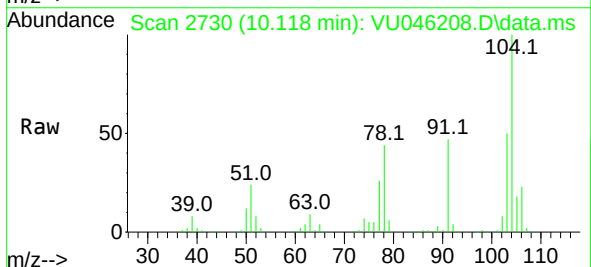
Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

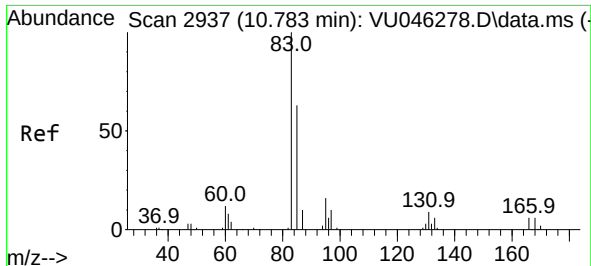
Tgt Ion:106 Resp: 164990
Ion Ratio Lower Upper
106 100
91 212.3 154.2 286.4



#55
Styrene
Concen: 58.125 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion:104 Resp: 292551
Ion Ratio Lower Upper
104 100
78 44.0 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 52.624 ug/L

RT: 10.787 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050131

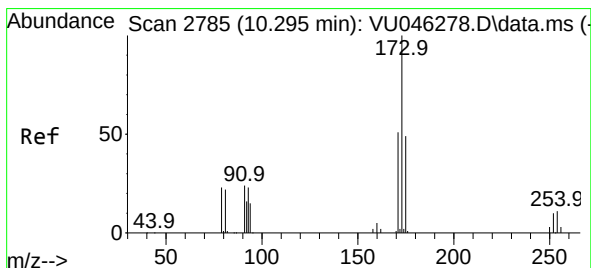
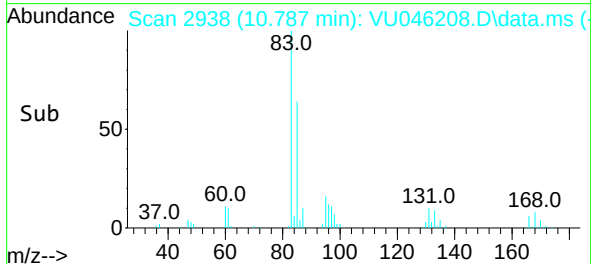
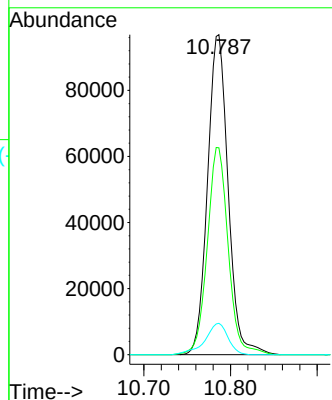
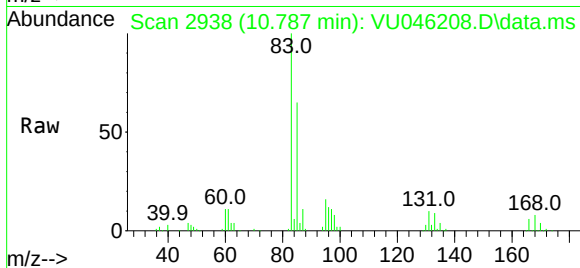
Tgt Ion: 83 Resp: 159959

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.6

131 9.8 7.8 11.6



#59

Bromoform

Concen: 55.833 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

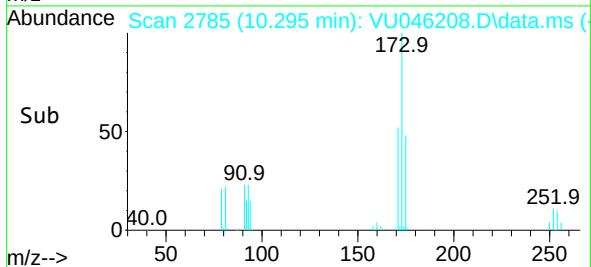
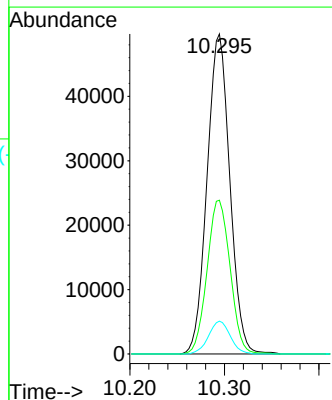
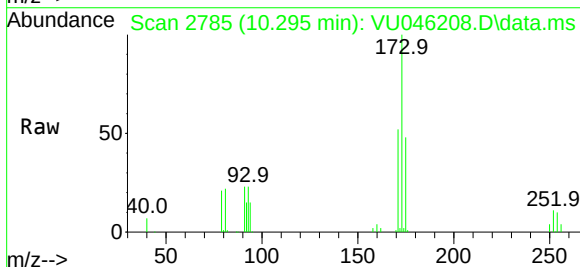
Tgt Ion:173 Resp: 83128

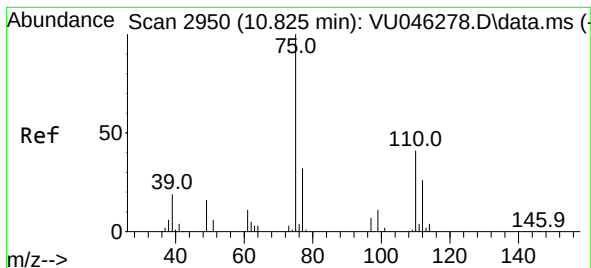
Ion Ratio Lower Upper

173 100

175 48.4 39.2 58.8

254 9.8 7.4 11.2





#60

1,2,3-Trichloropropane

Concen: 47.700 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050131

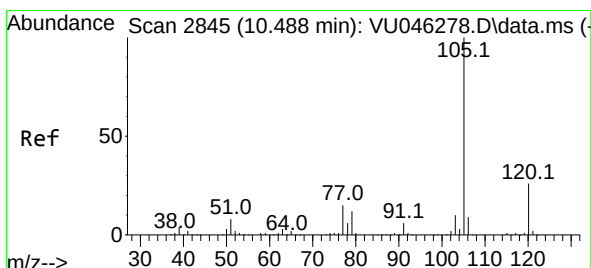
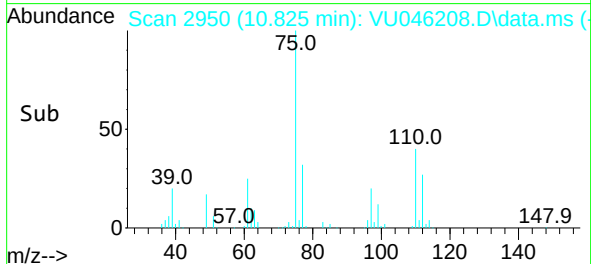
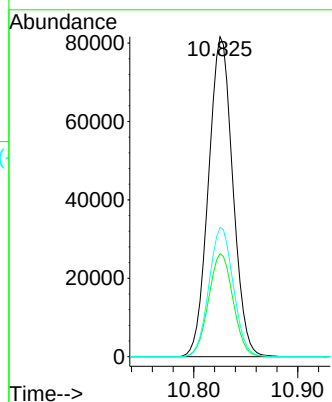
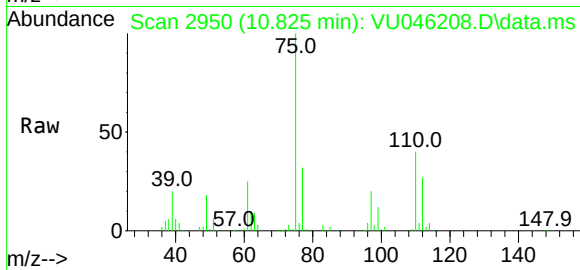
Tgt Ion: 75 Resp: 132707

Ion Ratio Lower Upper

75 100

77 32.4 26.4 39.6

110 40.5 32.4 48.6



#61

Isopropylbenzene

Concen: 53.780 ug/L

RT: 10.488 min Scan# 2845

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

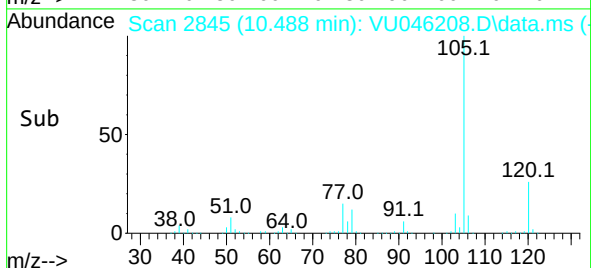
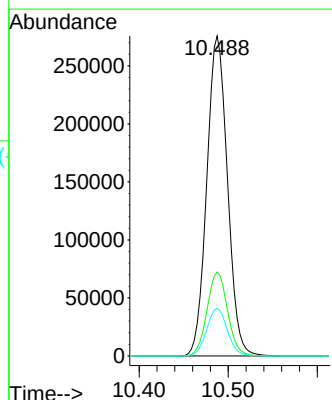
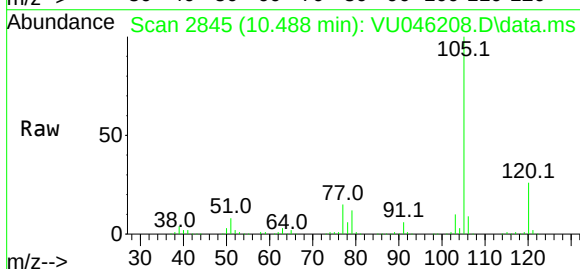
Tgt Ion: 105 Resp: 444100

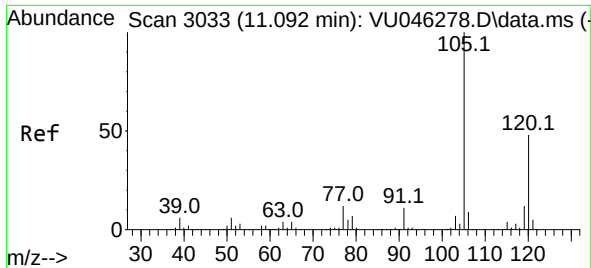
Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

77 14.9 12.2 18.4

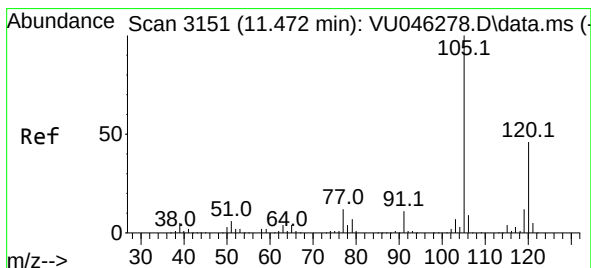
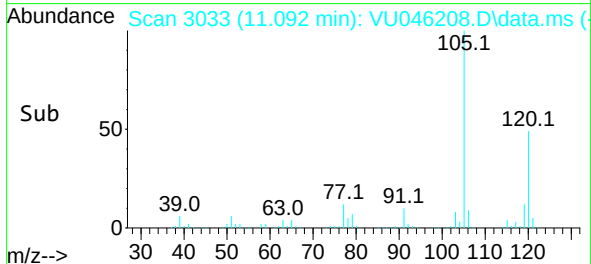
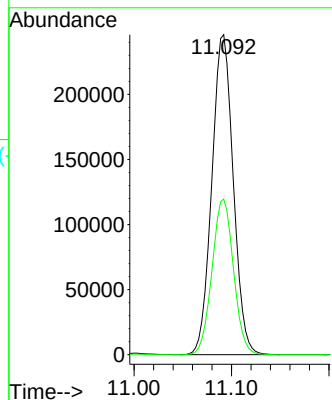
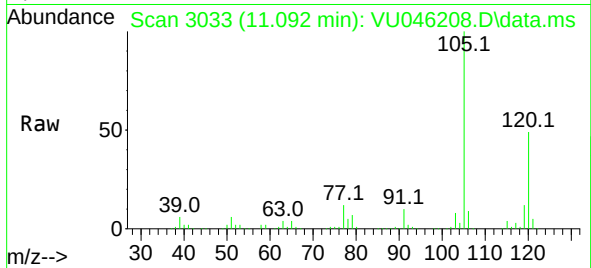




#62
 1,3,5-Trimethylbenzene
 Concen: 54.514 ug/L
 RT: 11.092 min Scan# 3033
 Delta R.T. -0.000 min
 Lab File: VU046208.D
 Acq: 09 Dec 2021 10:21

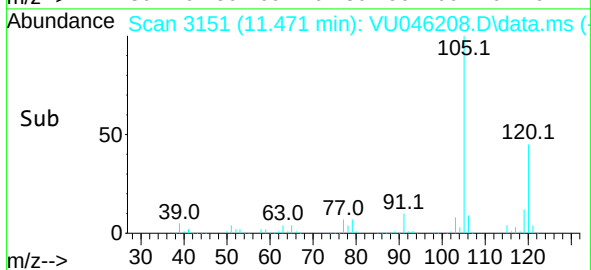
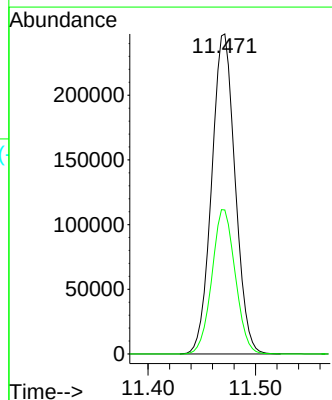
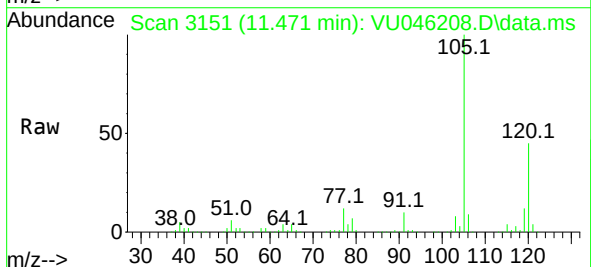
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050131

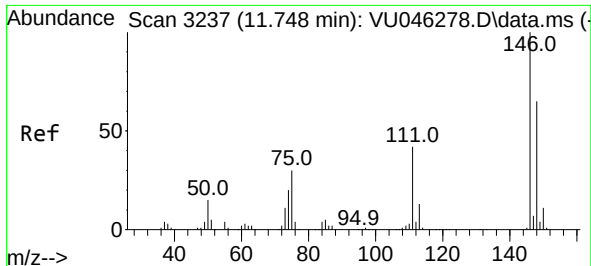
Tgt Ion:105 Resp: 375213
 Ion Ratio Lower Upper
 105 100
 120 48.7 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 54.472 ug/L
 RT: 11.471 min Scan# 3151
 Delta R.T. -0.000 min
 Lab File: VU046208.D
 Acq: 09 Dec 2021 10:21

Tgt Ion:105 Resp: 375108
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.2 52.8

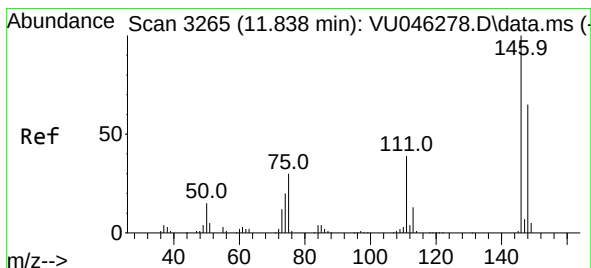
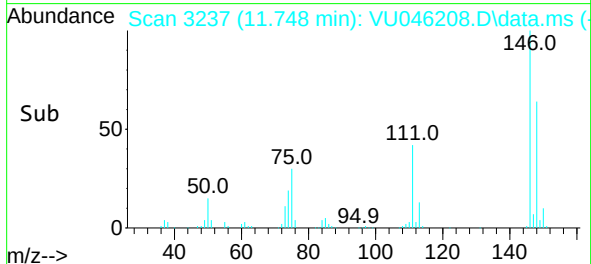
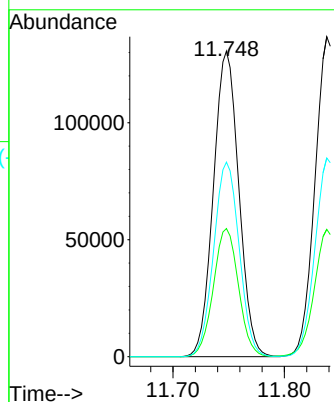
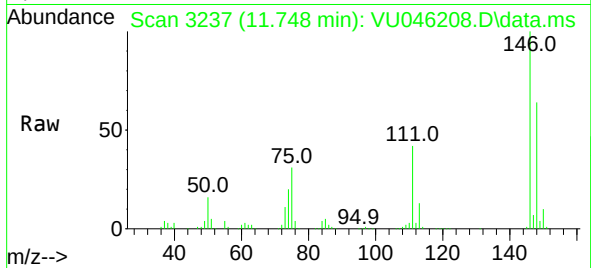




#64
1,3-Dichlorobenzene
Concen: 52.799 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

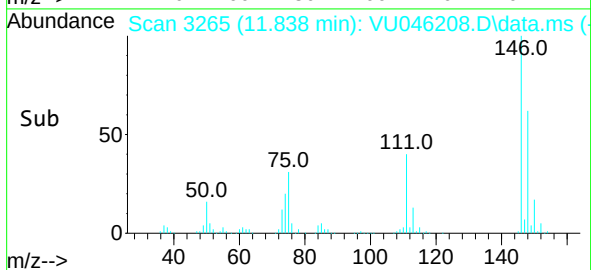
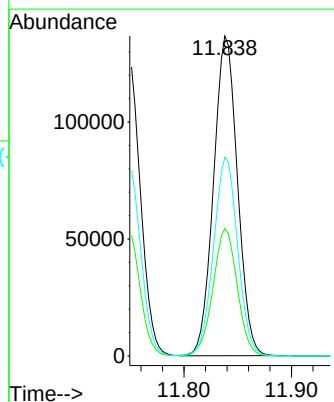
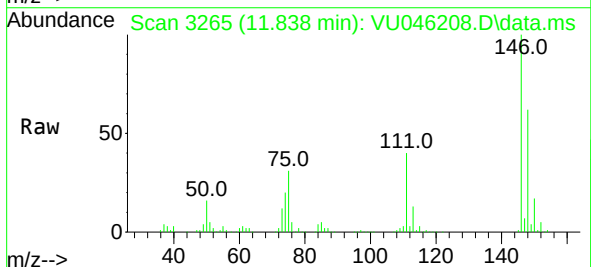
Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

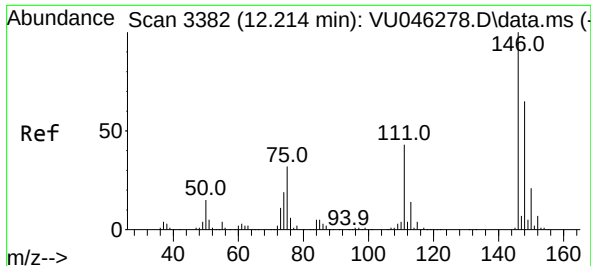
Tgt Ion:146 Resp: 207106
Ion Ratio Lower Upper
146 100
111 41.9 29.5 54.9
148 63.7 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 52.148 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion:146 Resp: 211405
Ion Ratio Lower Upper
146 100
111 39.8 28.3 52.7
148 62.1 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 52.148 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD050131

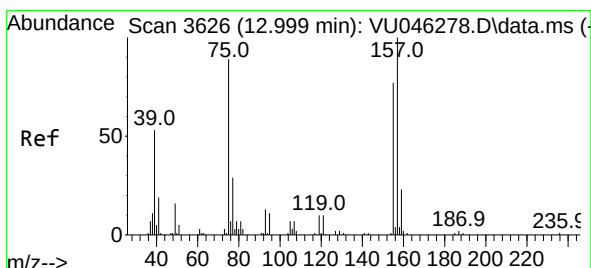
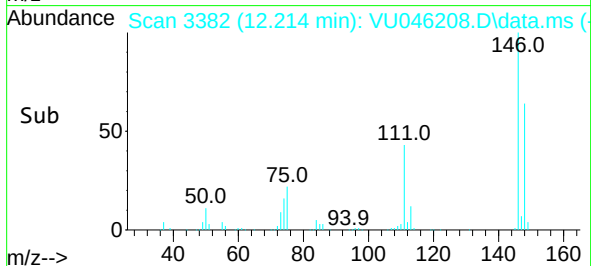
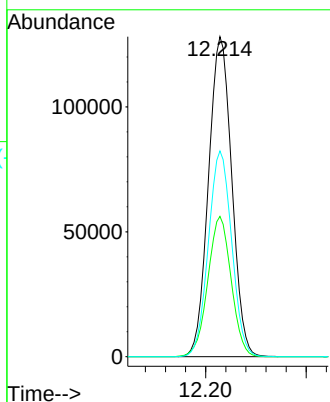
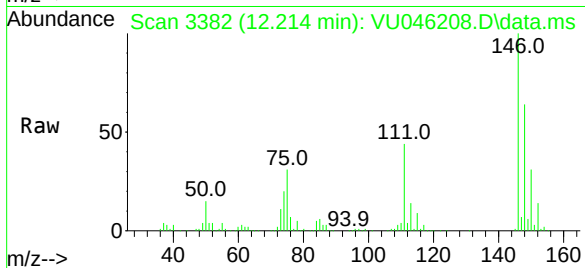
Tgt Ion:146 Resp: 205992

Ion Ratio Lower Upper

146 100

111 43.9 35.7 53.5

148 64.3 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 52.145 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046208.D

Acq: 09 Dec 2021 10:21

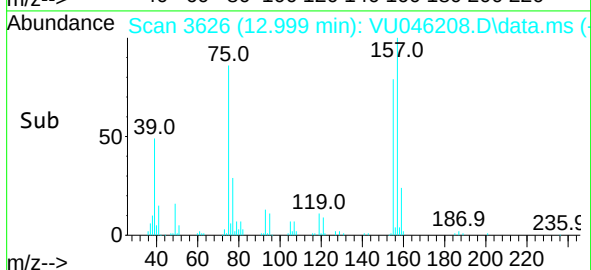
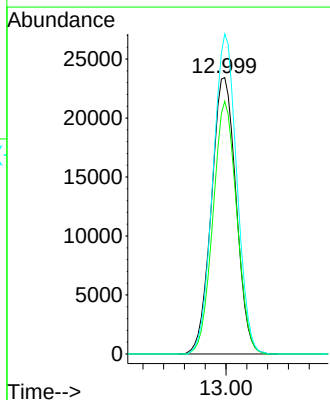
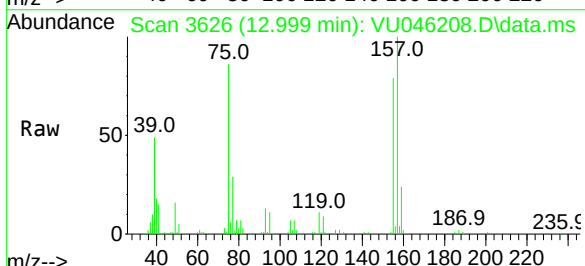
Tgt Ion: 75 Resp: 38648

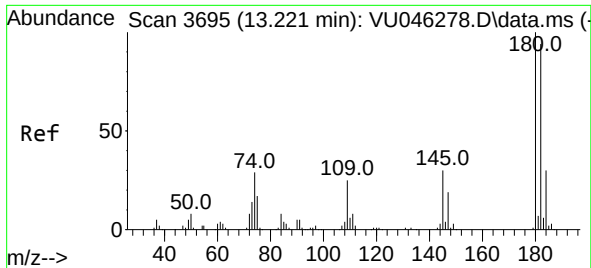
Ion Ratio Lower Upper

75 100

155 91.4 64.9 97.3

157 115.8 81.9 122.9



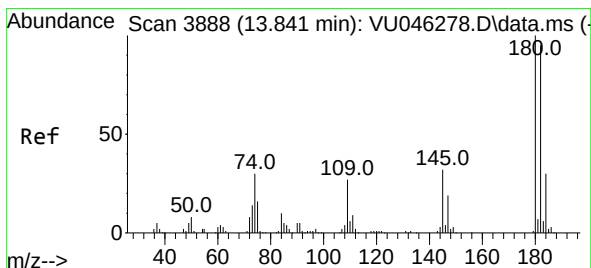
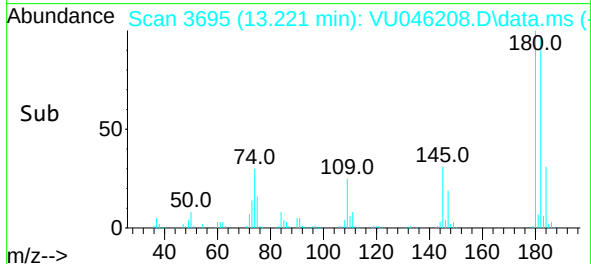
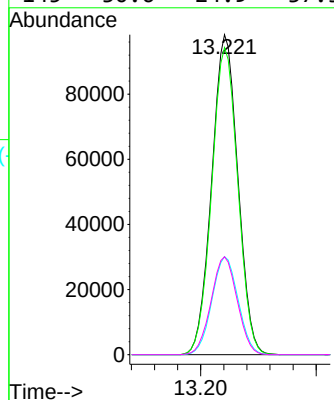
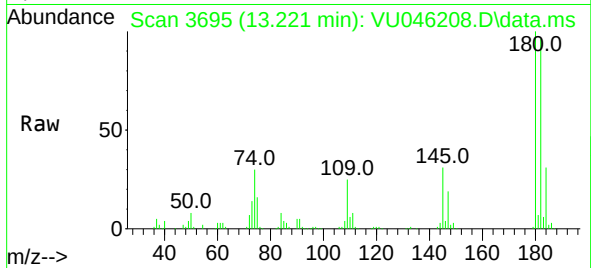


#69
1,3,5-Trichlorobenzene
Concen: 53.935 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

Tgt Ion:180 Resp: 154150

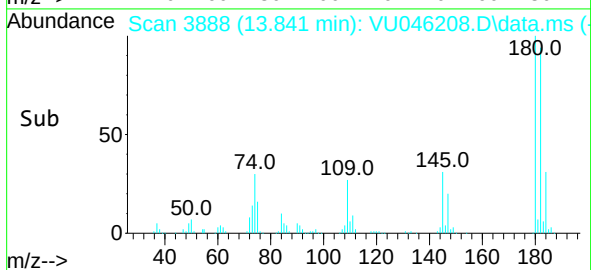
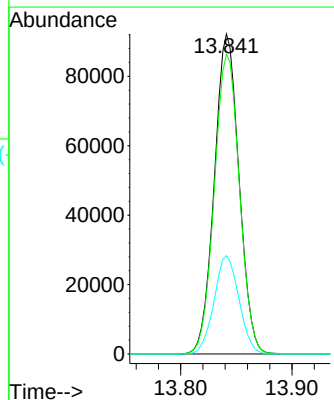
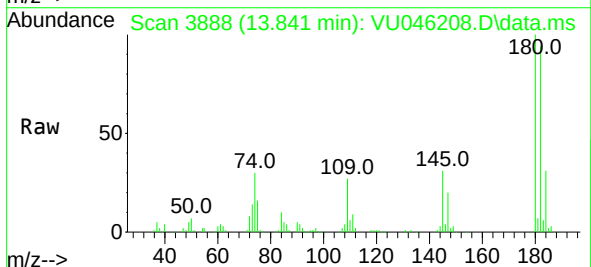
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.9	113.9
184	30.7	24.2	36.4
145	30.6	24.9	37.3

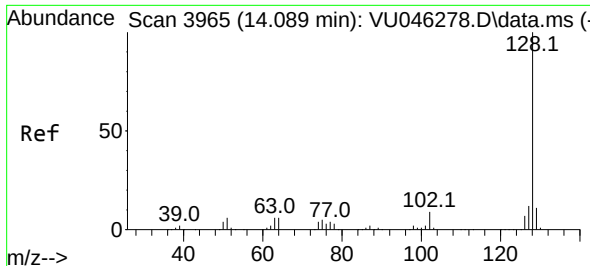


#70
1,2,4-trichlorobenzene
Concen: 55.827 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion:180 Resp: 141591

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.7	115.1
145	31.1	26.0	39.0

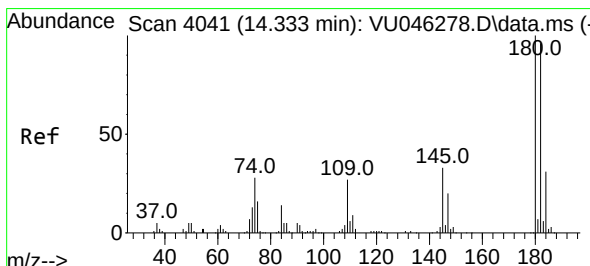
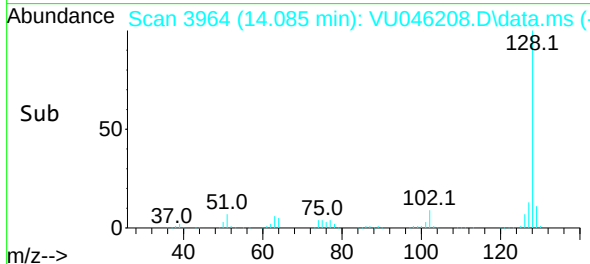
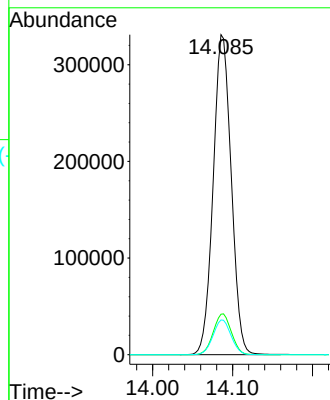
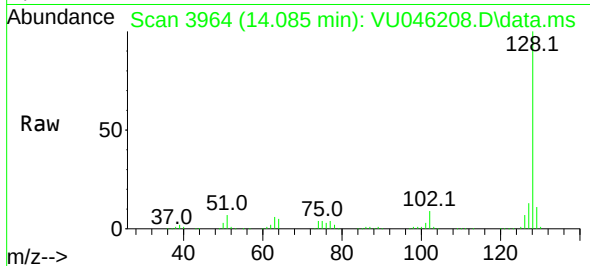




#71
Naphthalene
Concen: 58.801 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD050131

Tgt Ion:128 Resp: 518963
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 55.555 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU046208.D
Acq: 09 Dec 2021 10:21

Tgt Ion:180 Resp: 143684
Ion Ratio Lower Upper
180 100
182 96.0 76.0 114.0
145 33.1 27.3 40.9

