

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062022\
 Data File : VU049318.D
 Acq On : 20 Jun 2022 20:07
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050153

Quant Time: Jun 21 01:14:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 21 01:08:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	251632	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	240092	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	129089	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71904	46.385	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.760%
7) Chloroethane-d5	1.906	69	57799	50.781	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.560%
11) 1,1-Dichloroethene-d2	2.568	63	141558	48.394	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.780%
21) 2-Butanone-d5	4.623	46	197266	116.067	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.070%
24) Chloroform-d	5.063	84	171628	51.900	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	5.700	65	107860	50.344	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.680%
32) Benzene-d6	5.726	84	306228	51.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.880%
36) 1,2-Dichloropropane-d6	6.690	67	113605	56.763	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.520%
41) Toluene-d8	7.896	98	284202	54.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.260%
43) trans-1,3-Dichloroprop...	8.179	79	51940	55.163	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.320%
47) 2-Hexanone-d5	8.632	63	124488	118.845	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.840%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	176875	52.913	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.820%
66) 1,2-Dichlorobenzene-d4	12.192	152	115338	51.351	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	93156	41.952	ug/L	98
3) Chloromethane	1.520	50	98563	42.110	ug/L	98
5) Vinyl chloride	1.604	62	102125	46.026	ug/L	95
6) Bromomethane	1.848	94	42634	34.736	ug/L	100
8) Chloroethane	1.928	64	60057	48.461	ug/L	97
9) Trichlorofluoromethane	2.134	101	141715	45.380	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	82089	46.307	ug/L	95
12) 1,1-Dichloroethene	2.578	96	72518	46.733	ug/L	95
13) Acetone	2.629	43	121780	91.057	ug/L	99
14) Carbon disulfide	2.790	76	177878	45.078	ug/L	100
15) Methyl Acetate	2.948	43	137302	51.761	ug/L	95
16) Methylene chloride	3.044	84	95426	47.224	ug/L	90
17) trans-1,2-Dichloroethene	3.353	96	80134	46.967	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	304086	47.642	ug/L	96
19) 1,1-Dichloroethane	3.867	63	179269	48.772	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	98484	47.445	ug/L	98
22) 2-Butanone	4.703	43	208429	101.414	ug/L	97
23) Bromochloromethane	4.973	128	49344	45.292	ug/L	83
25) Chloroform	5.089	83	185385	48.395	ug/L	99

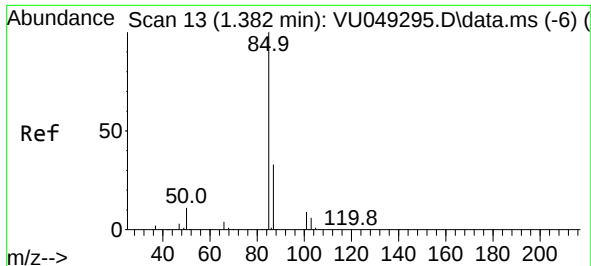
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062022\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	142904	45.827	ug/L	99
29) Cyclohexane	5.388	56	145305	54.078	ug/L	93
30) 1,1,1-Trichloroethane	5.317	97	154603	46.174	ug/L	98
31) Carbon tetrachloride	5.523	117	128428	43.857	ug/L	98
33) Benzene	5.774	78	385210	49.523	ug/L	100
34) Trichloroethene	6.542	95	95102	48.504	ug/L	97
35) Methylcyclohexane	6.761	83	142775	52.168	ug/L	95
37) 1,2-Dichloropropane	6.790	63	111177	50.686	ug/L	98
38) Bromodichloromethane	7.105	83	142423	48.906	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	160991	49.881	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	395436	107.007	ug/L	97
42) Toluene	7.970	91	403595	50.200	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	151665	47.456	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	100687	47.372	ug/L	95
46) Tetrachloroethene	8.552	164	67943	44.697	ug/L	97
48) 2-Hexanone	8.684	43	318487	106.013	ug/L	96
49) Dibromochloromethane	8.809	129	108616	45.897	ug/L	99
50) 1,2-Dibromoethane	8.925	107	108861	48.686	ug/L	97
51) Chlorobenzene	9.446	112	254187	46.771	ug/L	96
52) Ethylbenzene	9.568	91	446979	51.134	ug/L	97
53) m,p-Xylene	9.693	106	165694	48.269	ug/L	88
54) o-Xylene	10.098	106	166477	48.135	ug/L	89
55) Styrene	10.115	104	285235	49.386	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	192143	48.509	ug/L	100
59) Bromoform	10.291	173	78522	41.217	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	149381	45.621	ug/L	97
61) Isopropylbenzene	10.484	105	440460	50.232	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	378304	50.534	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	296588	49.763	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	193750	45.044	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	192250	44.145	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	197589	44.265	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	47910	44.332	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	141103	45.920	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	121995	46.950	ug/L	98
71) Naphthalene	14.085	128	417453	45.410	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	127728	46.471	ug/L	99

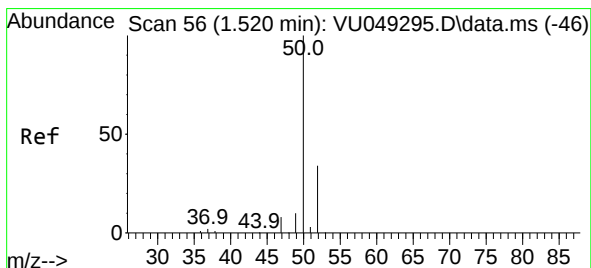
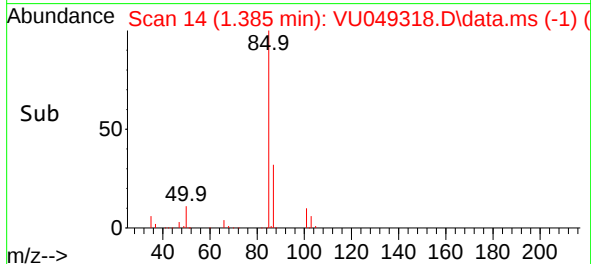
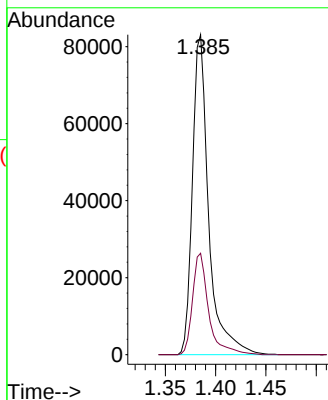
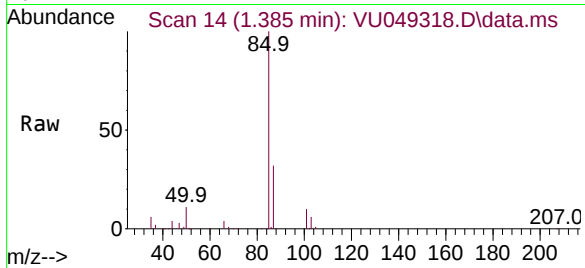
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 41.952 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

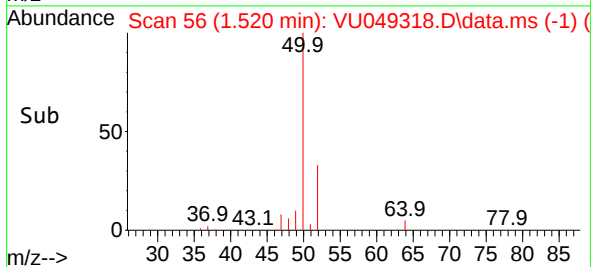
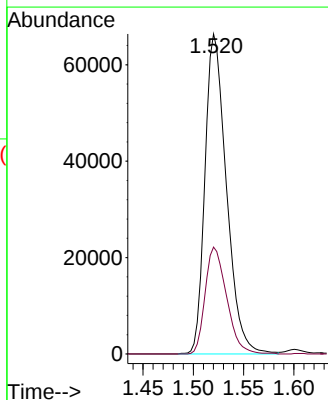
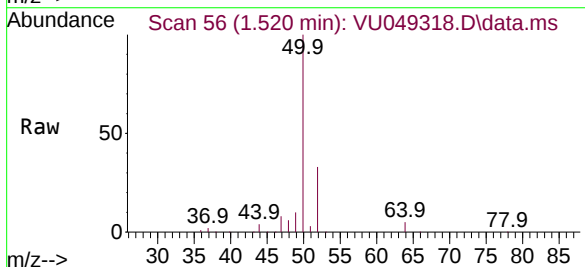
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

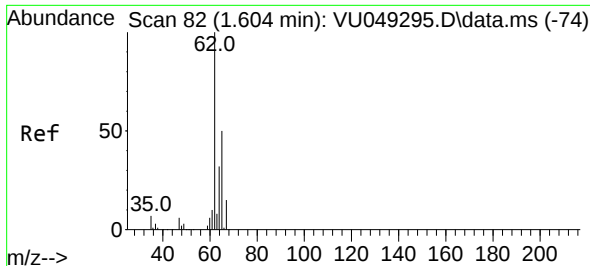
Tgt Ion: 85 Resp: 93156
Ion Ratio Lower Upper
85 100
87 31.5 26.3 39.5



#3
Chloromethane
Concen: 42.110 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 50 Resp: 98563
Ion Ratio Lower Upper
50 100
52 33.4 22.7 42.1

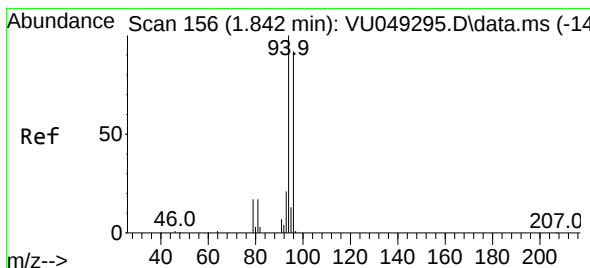
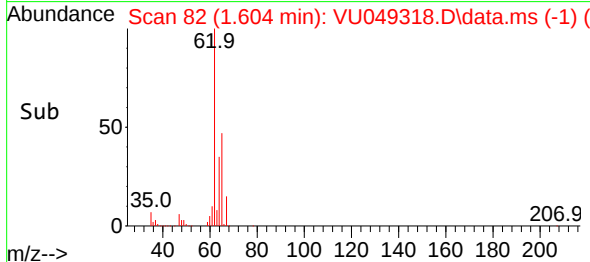
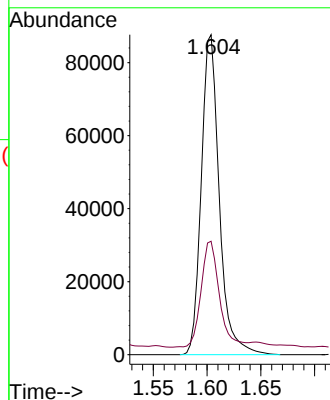
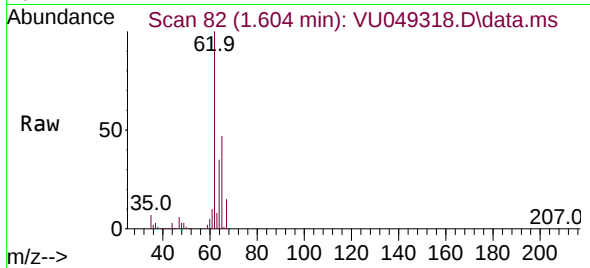




#5
 Vinyl chloride
 Concen: 46.026 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049318.D
 Acq: 20 Jun 2022 20:07

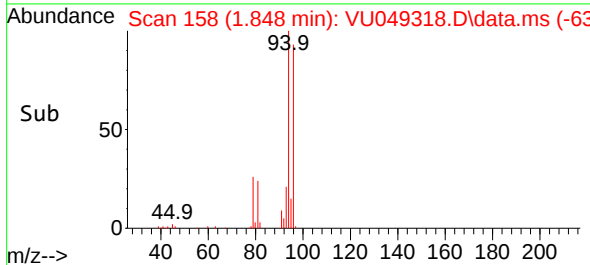
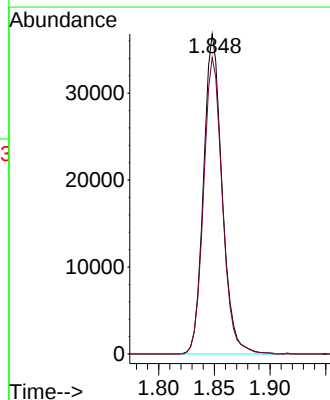
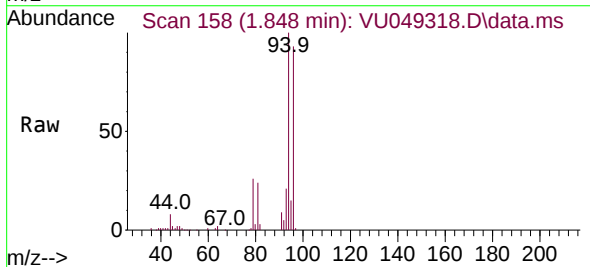
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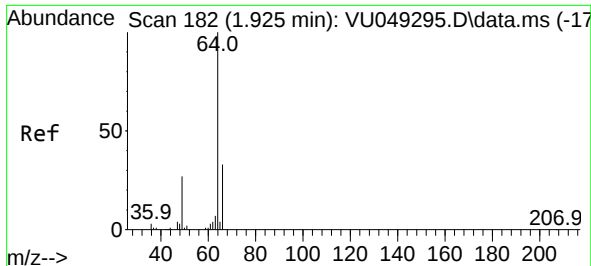
Tgt Ion: 62 Resp: 102125
 Ion Ratio Lower Upper
 62 100
 64 35.5 22.7 42.3



#6
 Bromomethane
 Concen: 34.736 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.006 min
 Lab File: VU049318.D
 Acq: 20 Jun 2022 20:07

Tgt Ion: 94 Resp: 42634
 Ion Ratio Lower Upper
 94 100
 96 92.7 65.1 120.9

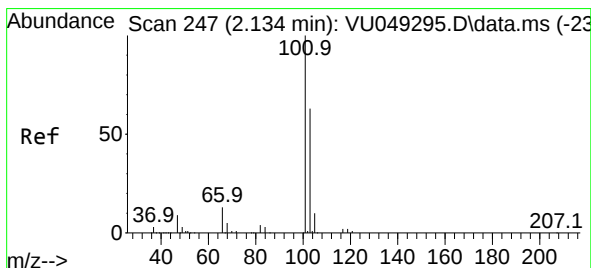
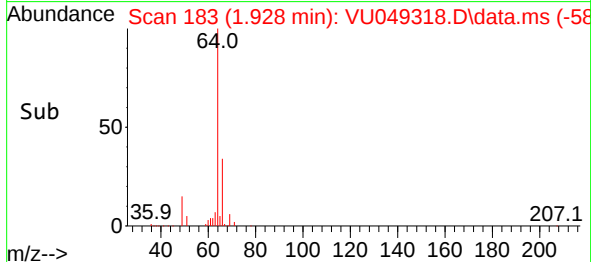
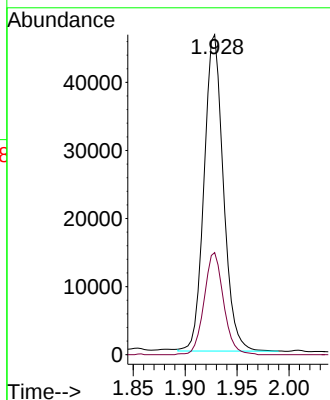
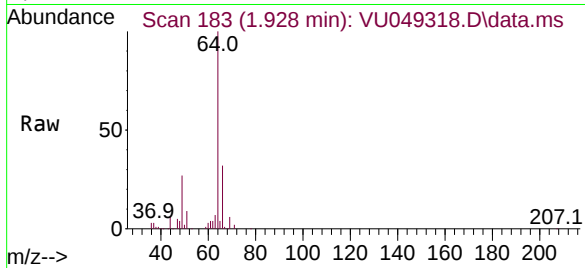




#8
Chloroethane
Concen: 48.461 ug/L
RT: 1.928 min Scan# 182
Delta R.T. 0.003 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

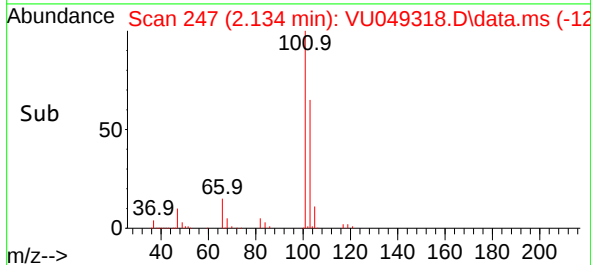
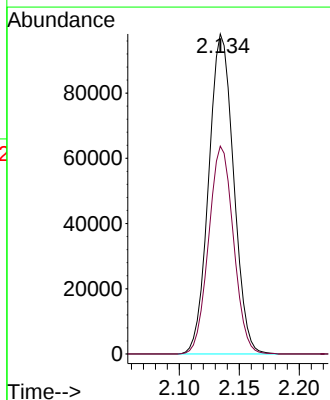
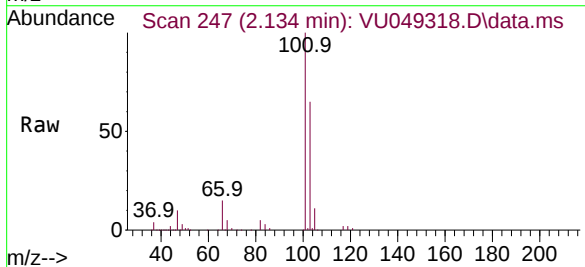
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

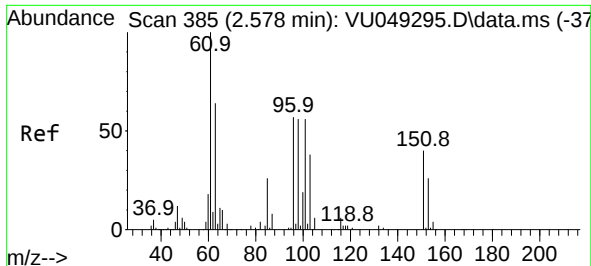
Tgt Ion: 64 Resp: 60057
Ion Ratio Lower Upper
64 100
66 31.9 23.7 43.9



#9
Trichlorofluoromethane
Concen: 45.380 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 101 Resp: 141715
Ion Ratio Lower Upper
101 100
103 64.7 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 46.307 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050153

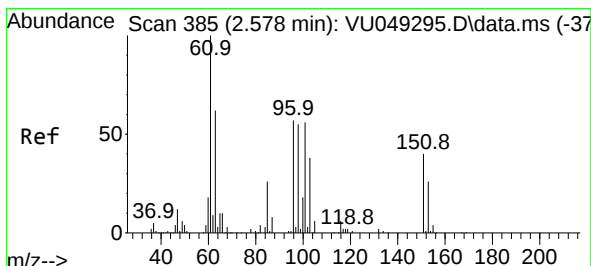
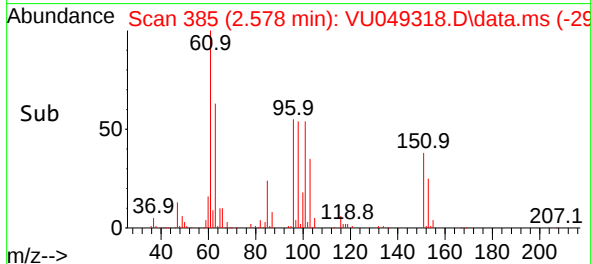
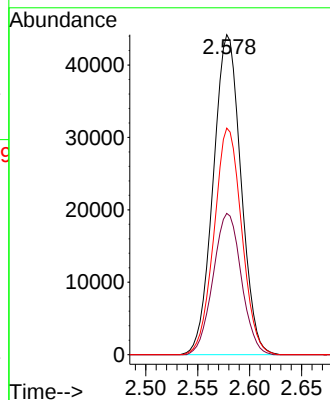
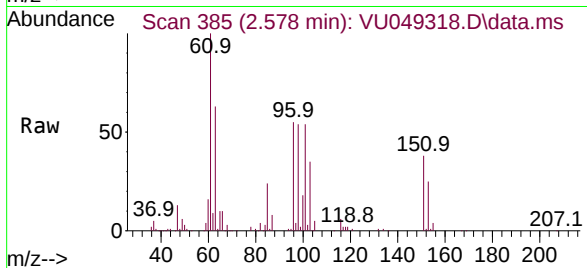
Tgt Ion:101 Resp: 82089

Ion Ratio Lower Upper

101 100

85 44.9 35.2 52.8

151 70.8 61.4 92.2



#12

1,1-Dichloroethene

Concen: 46.733 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

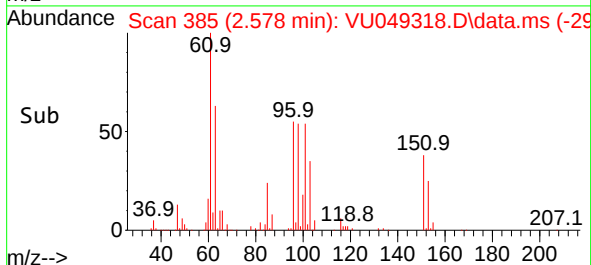
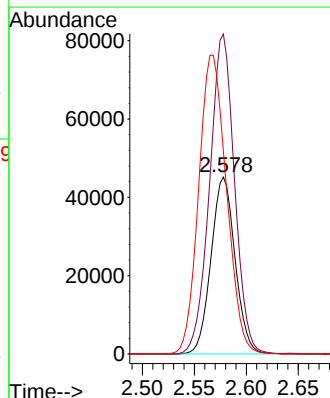
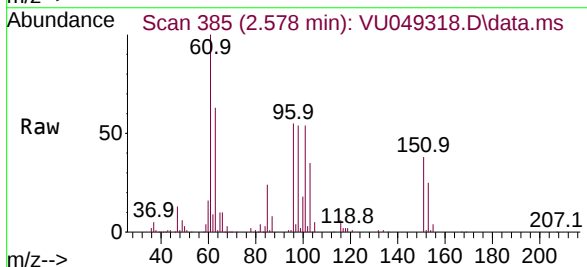
Tgt Ion: 96 Resp: 72518

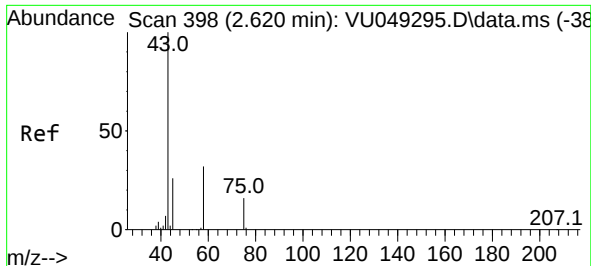
Ion Ratio Lower Upper

96 100

61 180.8 123.5 229.3

63 114.7 86.0 159.8





#13

Acetone

Concen: 91.057 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.009 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

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MSVOA_U

ClientSampleId :

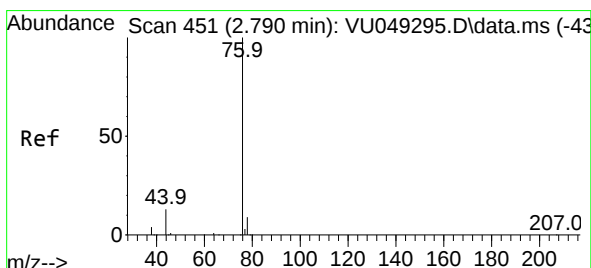
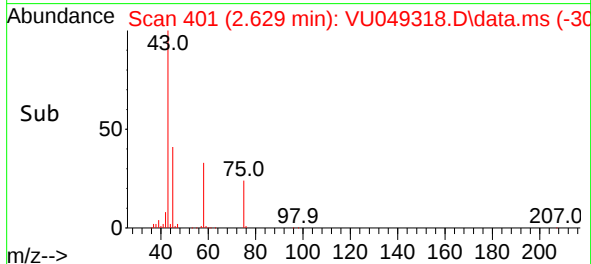
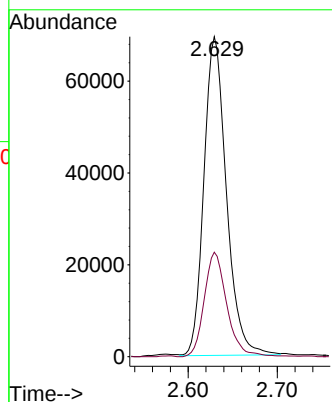
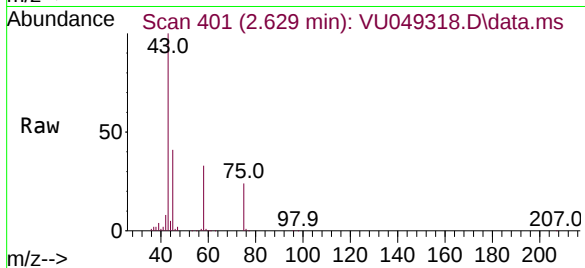
VSTD050153

Tgt Ion: 43 Resp: 121780

Ion Ratio Lower Upper

43 100

58 32.7 0.0 66.4



#14

Carbon disulfide

Concen: 45.078 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU049318.D

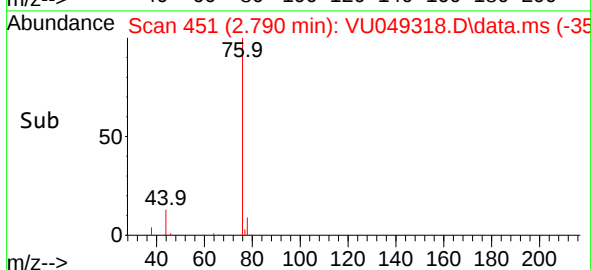
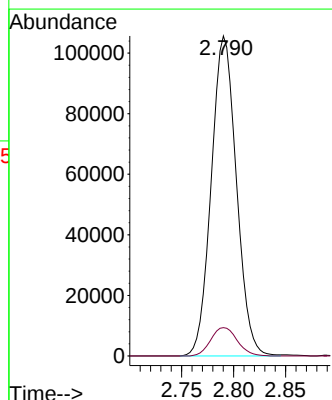
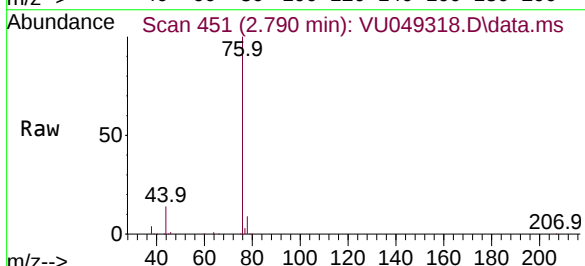
Acq: 20 Jun 2022 20:07

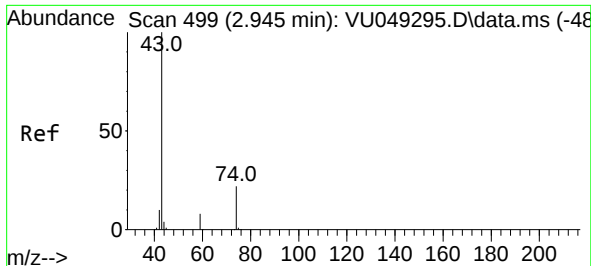
Tgt Ion: 76 Resp: 177878

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

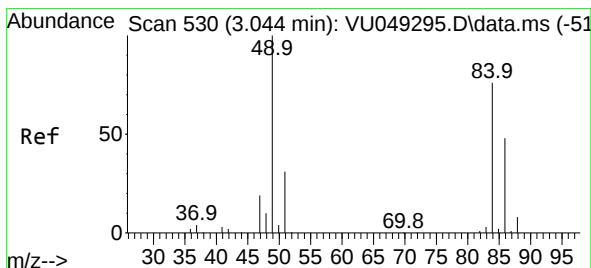
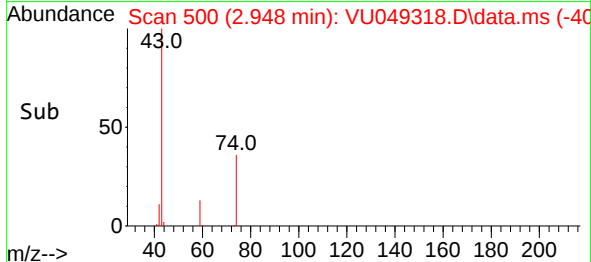
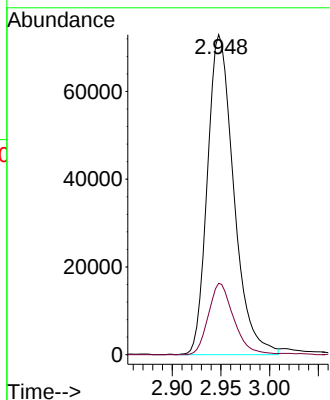
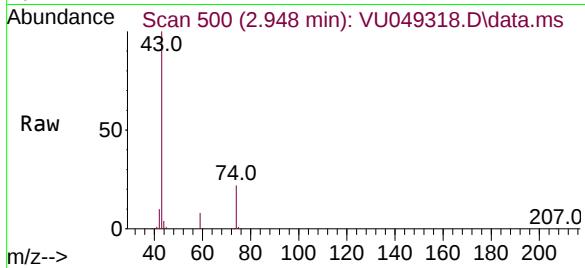




#15
Methyl Acetate
Concen: 51.761 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

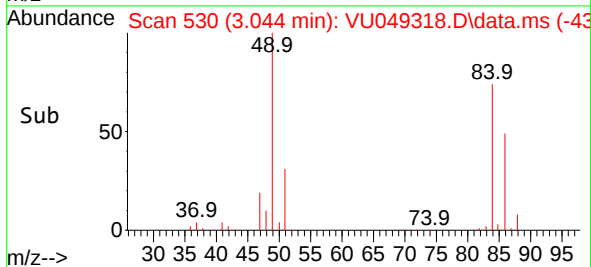
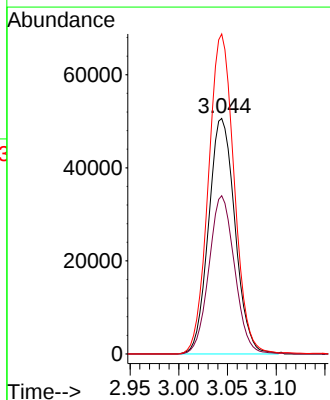
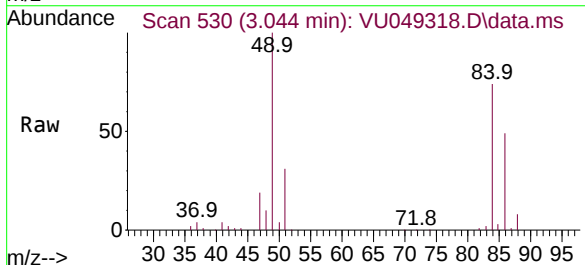
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

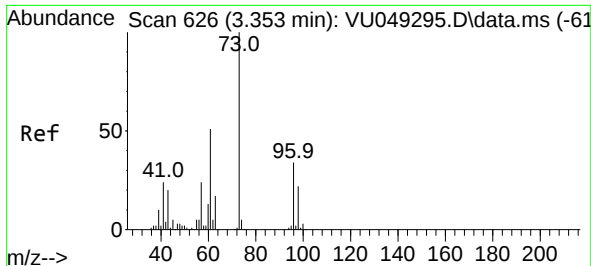
Tgt Ion: 43 Resp: 137302
Ion Ratio Lower Upper
43 100
74 21.4 19.0 28.6



#16
Methylene chloride
Concen: 47.224 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 84 Resp: 95426
Ion Ratio Lower Upper
84 100
86 67.1 45.8 85.0
49 135.8 83.4 155.0

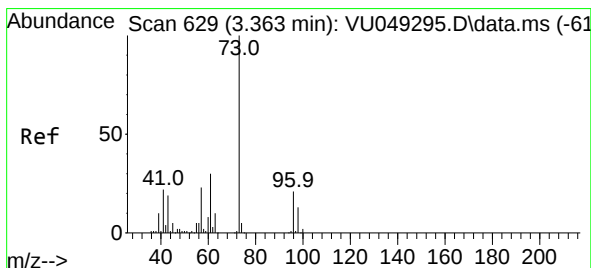
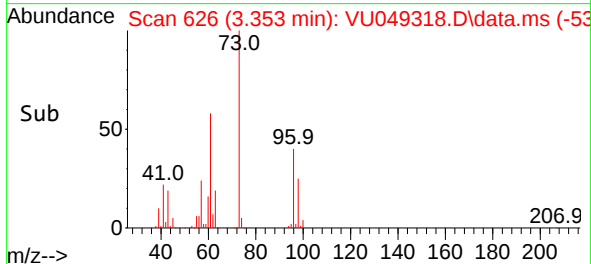
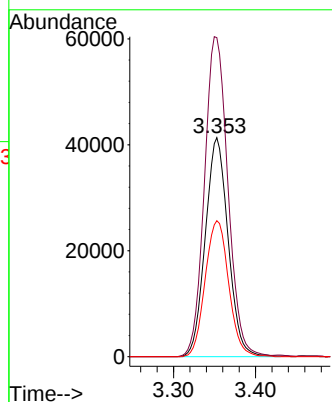
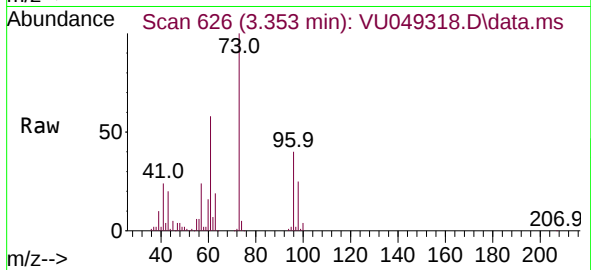




#17
trans-1,2-Dichloroethene
Concen: 46.967 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

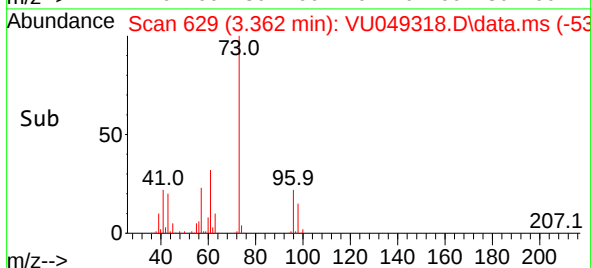
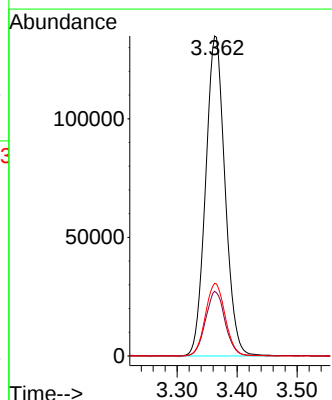
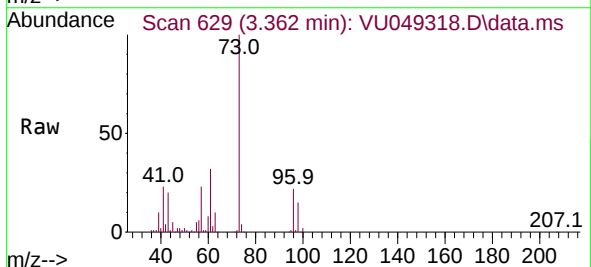
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

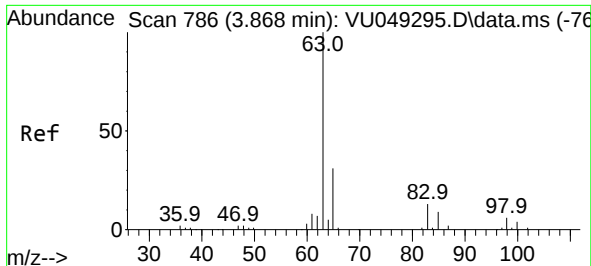
Tgt Ion: 96 Resp: 80134
Ion Ratio Lower Upper
96 100
61 145.6 99.3 184.3
98 62.1 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 47.642 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 73 Resp: 304086
Ion Ratio Lower Upper
73 100
43 20.4 15.0 22.4
57 23.2 17.3 25.9





#19

1,1-Dichloroethane

Concen: 48.772 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050153

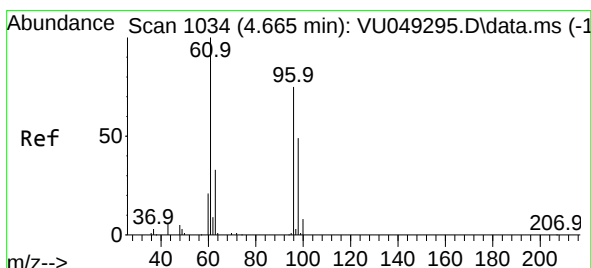
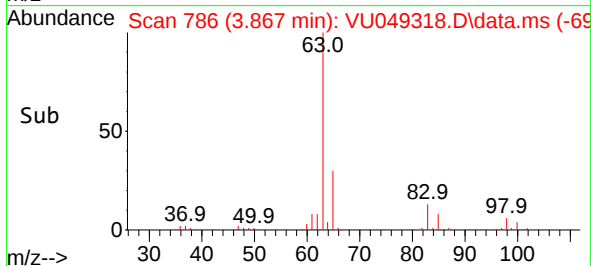
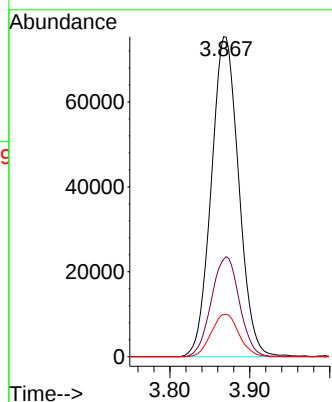
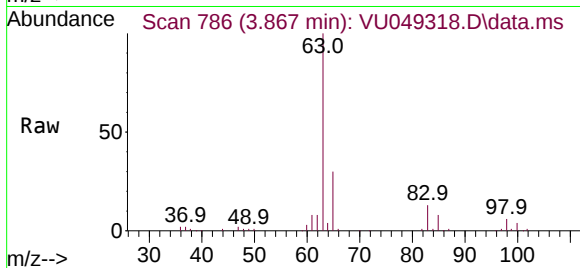
Tgt Ion: 63 Resp: 179269

Ion Ratio Lower Upper

63 100

65 30.5 22.3 41.5

83 13.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 47.445 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

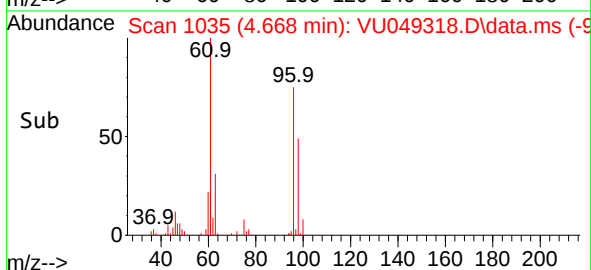
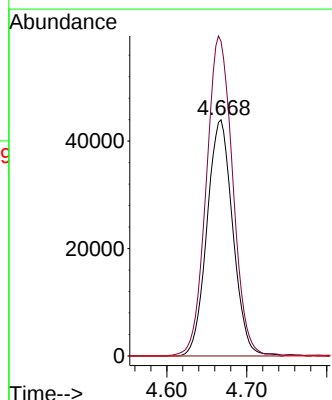
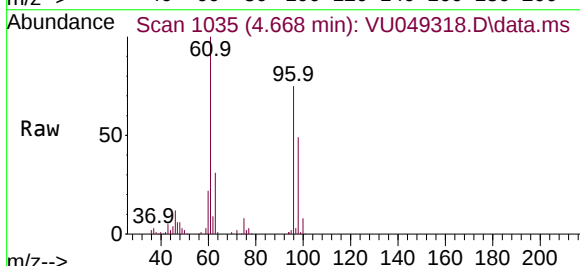
Tgt Ion: 96 Resp: 98484

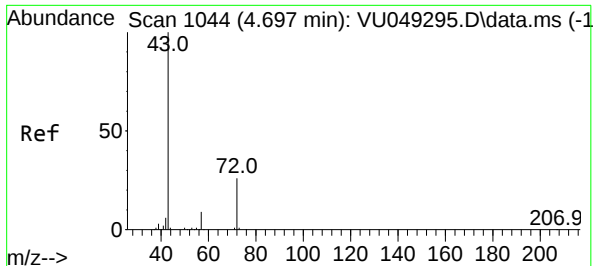
Ion Ratio Lower Upper

96 100

61 133.3 91.6 170.2

68 0.0 0.0 0.0

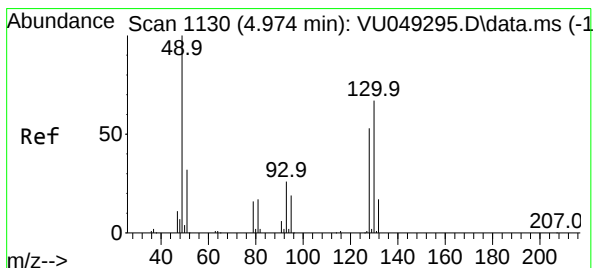
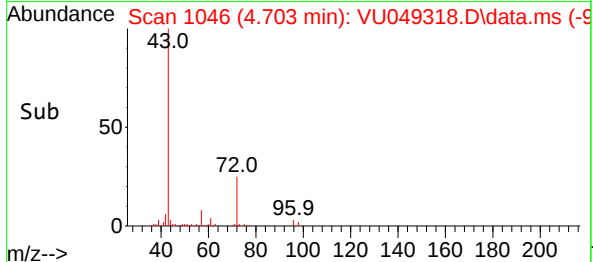
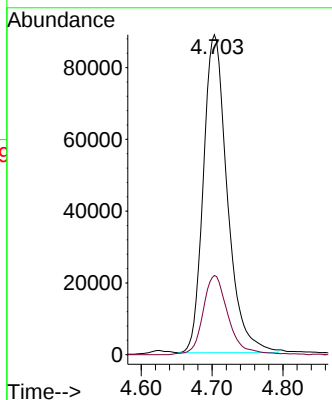
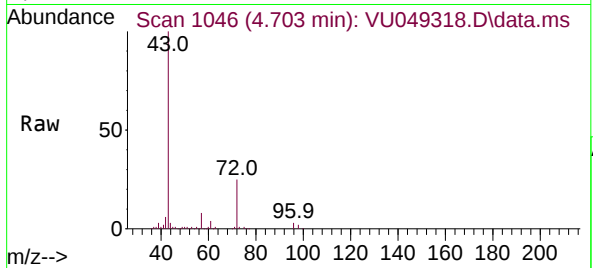




#22
2-Butanone
Concen: 101.414 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. 0.006 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

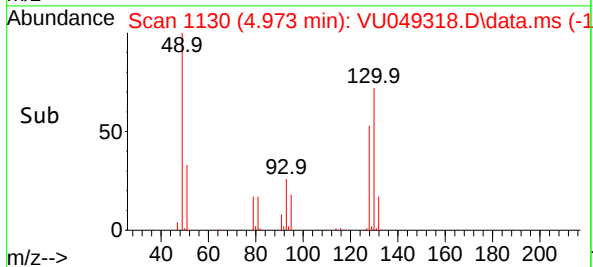
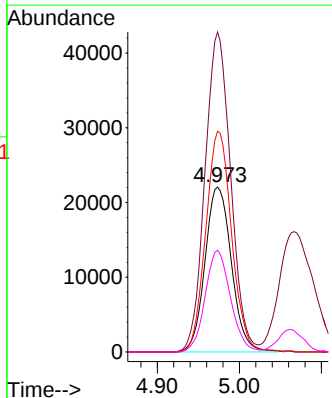
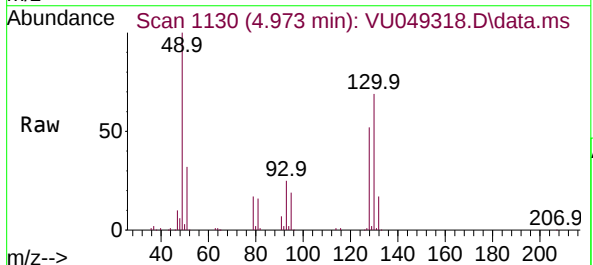
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

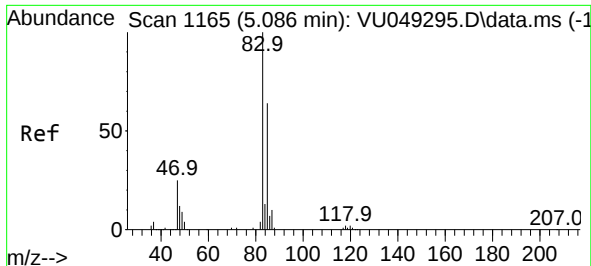
Tgt Ion: 43 Resp: 208429
Ion Ratio Lower Upper
43 100
72 26.0 13.7 41.0



#23
Bromochloromethane
Concen: 45.292 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion:128 Resp: 49344
Ion Ratio Lower Upper
128 100
49 194.1 111.9 207.9
130 133.8 88.6 164.6
51 61.7 42.2 63.2





#25

Chloroform

Concen: 48.395 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

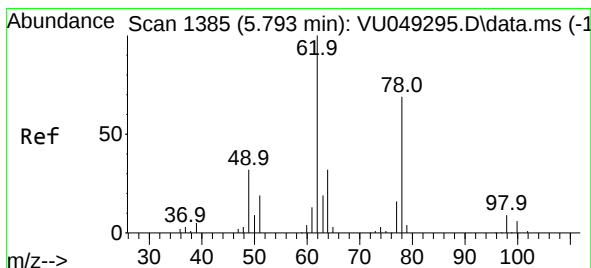
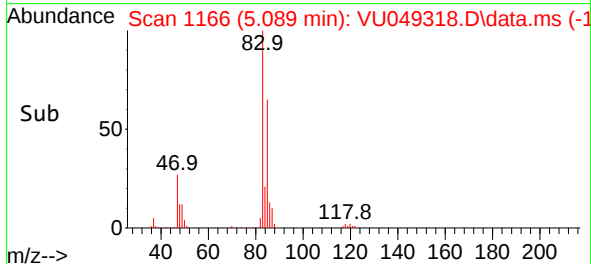
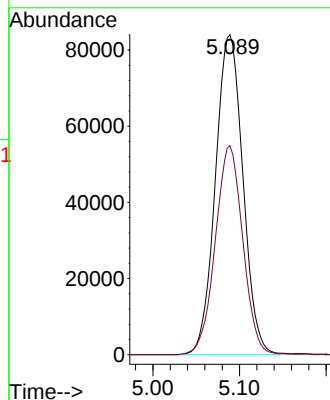
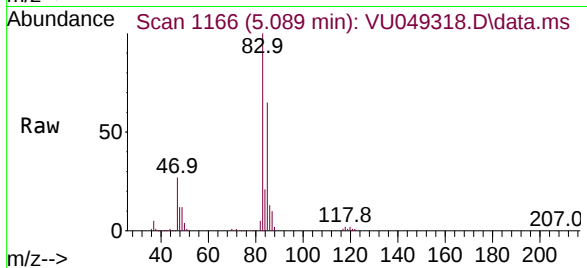
VSTD050153

Tgt Ion: 83 Resp: 185385

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.9



#27

1,2-Dichloroethane

Concen: 45.827 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU049318.D

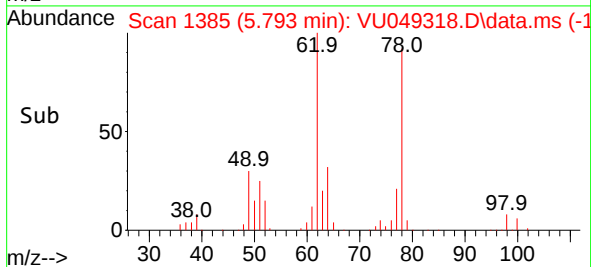
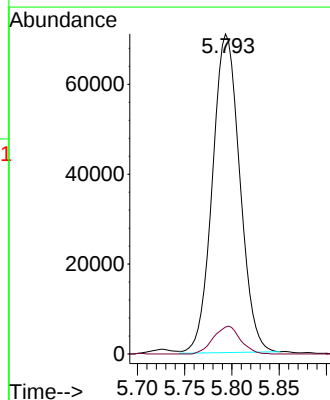
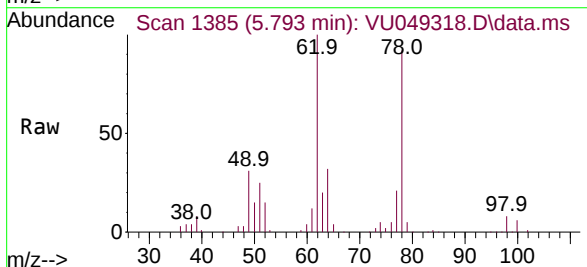
Acq: 20 Jun 2022 20:07

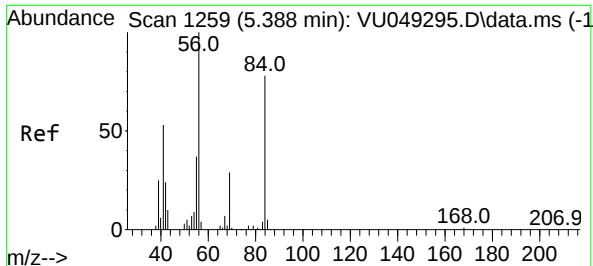
Tgt Ion: 62 Resp: 142904

Ion Ratio Lower Upper

62 100

98 8.4 7.0 10.4





#29

Cyclohexane

Concen: 54.078 ug/L

RT: 5.388 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050153

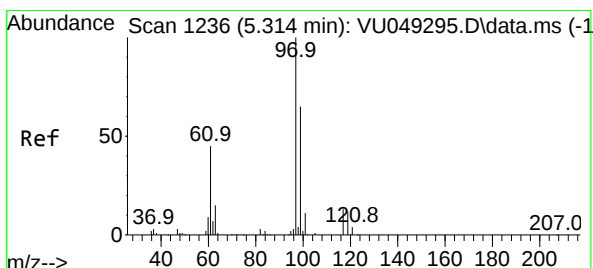
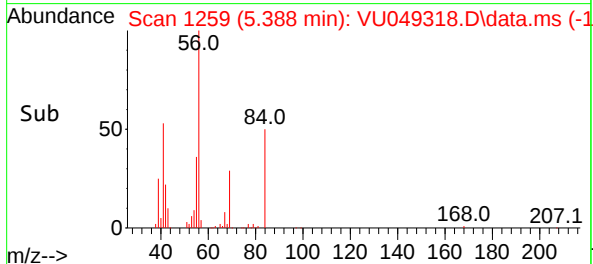
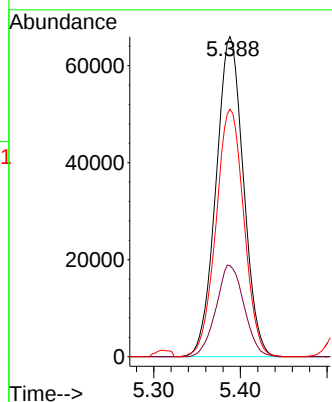
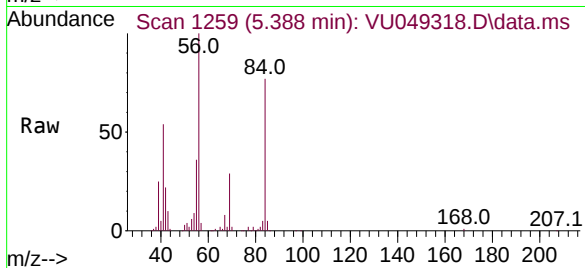
Tgt Ion: 56 Resp: 145305

Ion Ratio Lower Upper

56 100

69 29.2 24.6 36.8

84 78.8 69.7 104.5



#30

1,1,1-Trichloroethane

Concen: 46.174 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

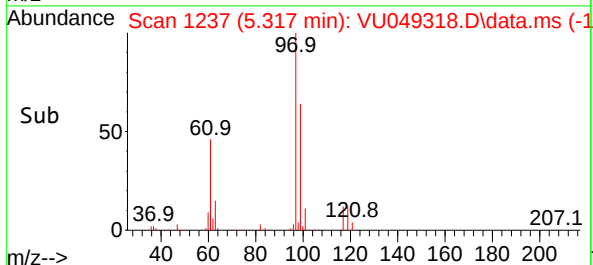
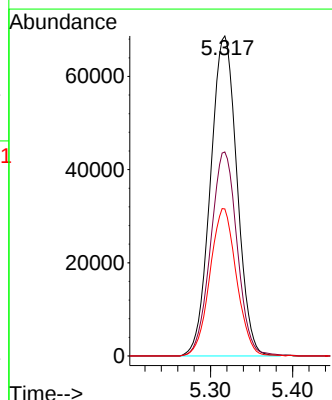
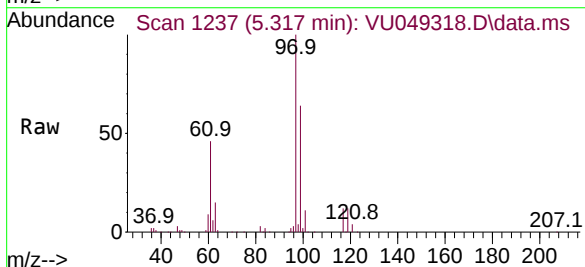
Tgt Ion: 97 Resp: 154603

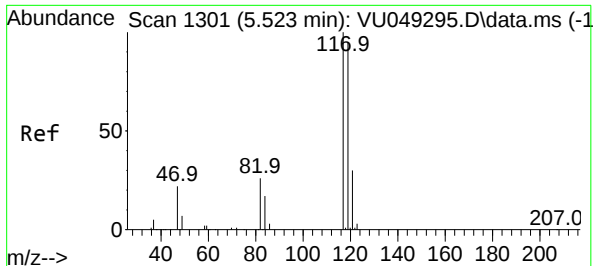
Ion Ratio Lower Upper

97 100

99 64.0 50.9 76.3

61 46.0 34.2 51.2

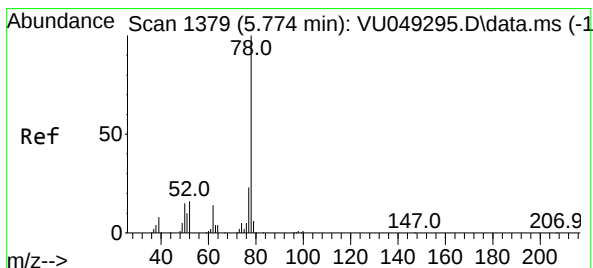
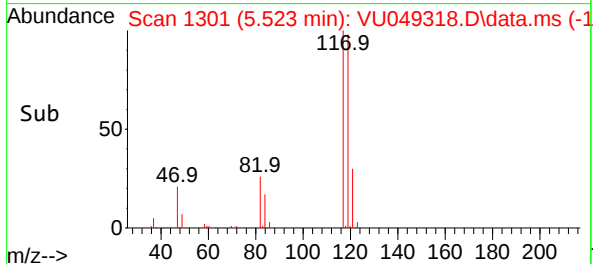
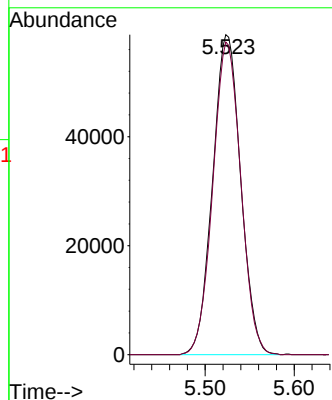
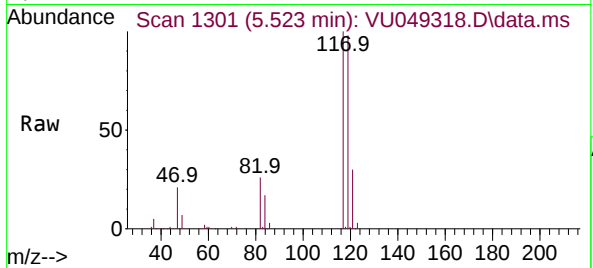




#31
Carbon tetrachloride
Concen: 43.857 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

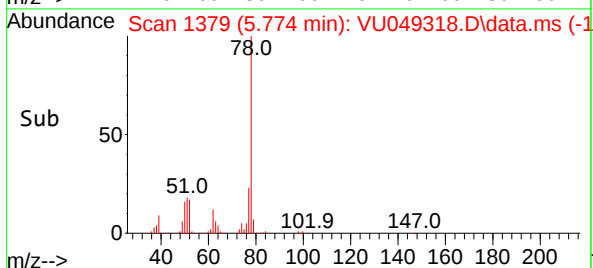
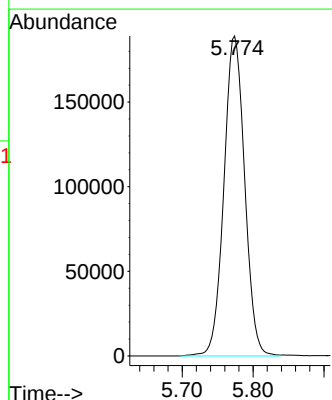
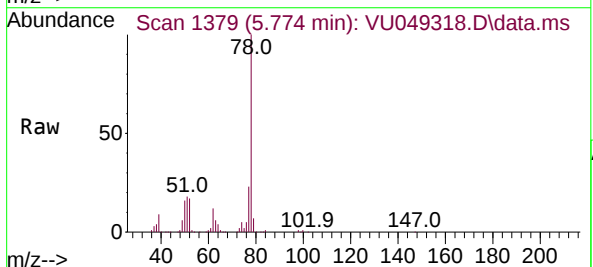
Instrument : MSVOA_U
ClientSampleId : VSTD050153

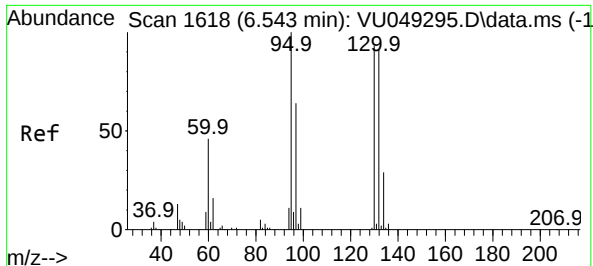
Tgt Ion:117 Resp: 128428
Ion Ratio Lower Upper
117 100
119 97.1 76.5 114.7



#33
Benzene
Concen: 49.523 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 78 Resp: 385210





#34

Trichloroethene

Concen: 48.504 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050153

Tgt Ion: 95 Resp: 95102

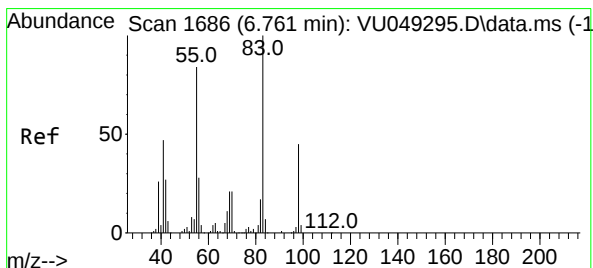
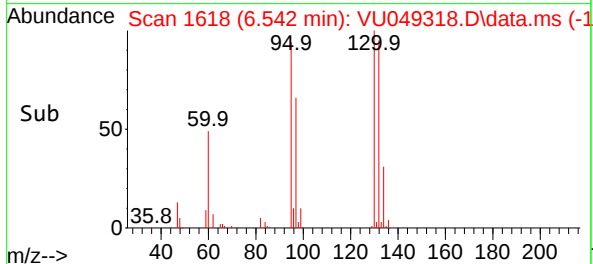
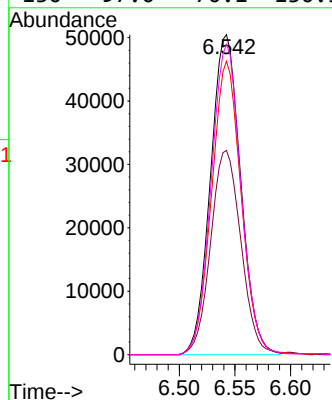
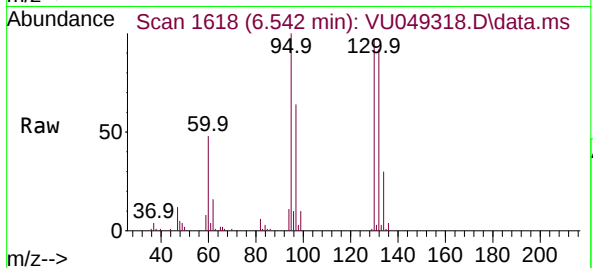
Ion Ratio Lower Upper

95 100

97 63.8 45.4 84.4

132 91.7 67.6 125.6

130 97.0 70.1 130.3



#35

Methylcyclohexane

Concen: 52.168 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

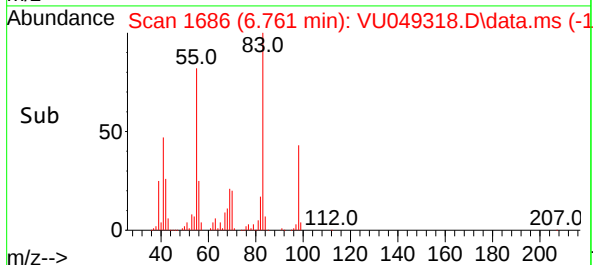
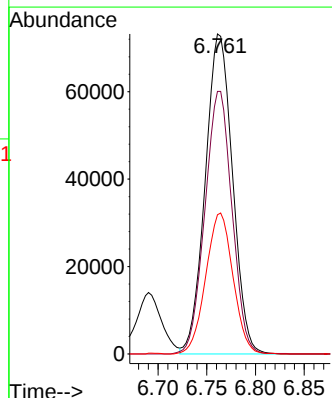
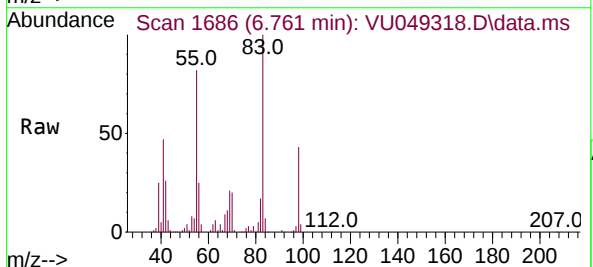
Tgt Ion: 83 Resp: 142775

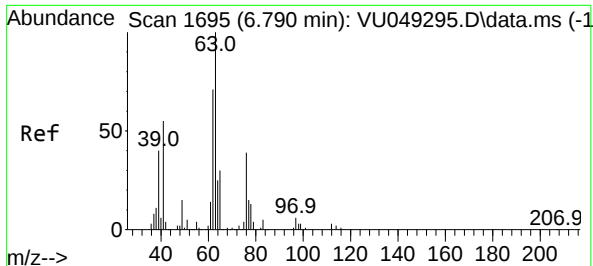
Ion Ratio Lower Upper

83 100

55 81.4 61.0 91.6

98 44.0 36.8 55.2





#37

1,2-Dichloropropane

Concen: 50.686 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

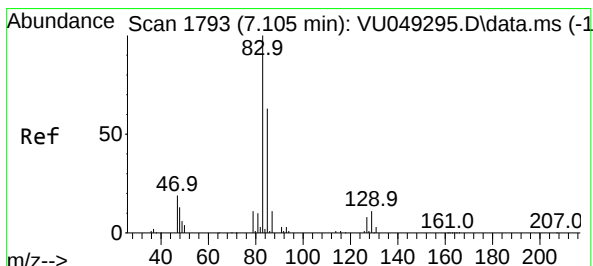
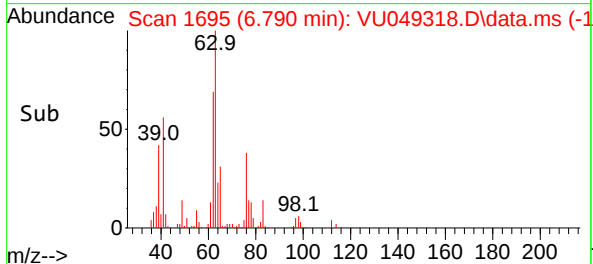
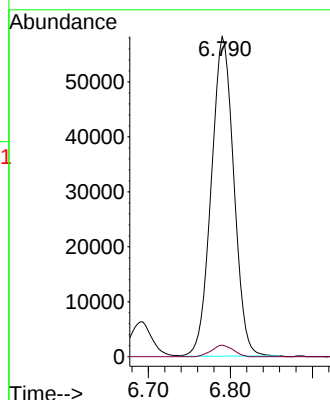
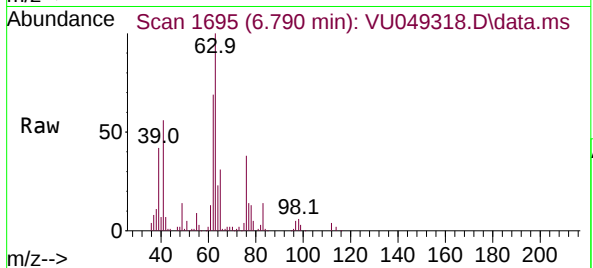
VSTD050153

Tgt Ion: 63 Resp: 111177

Ion Ratio Lower Upper

63 100

112 3.4 3.2 4.8



#38

Bromodichloromethane

Concen: 48.906 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

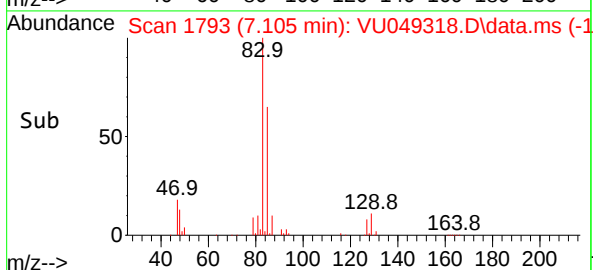
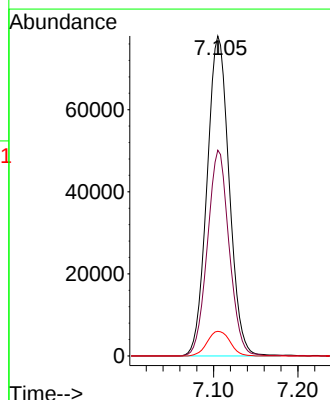
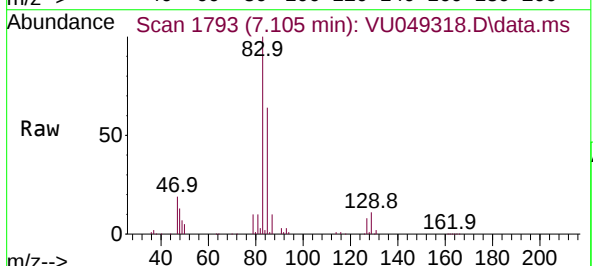
Tgt Ion: 83 Resp: 142423

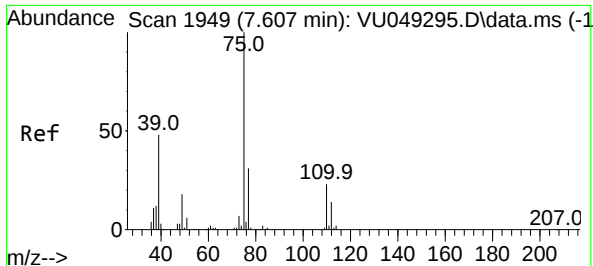
Ion Ratio Lower Upper

83 100

85 64.3 44.0 81.6

127 7.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 49.881 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

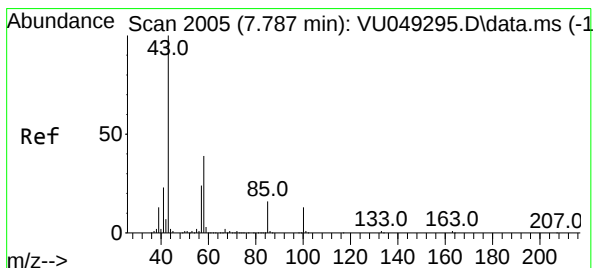
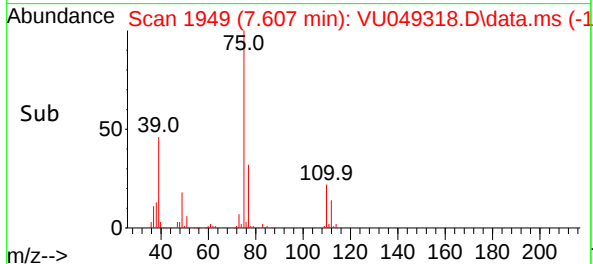
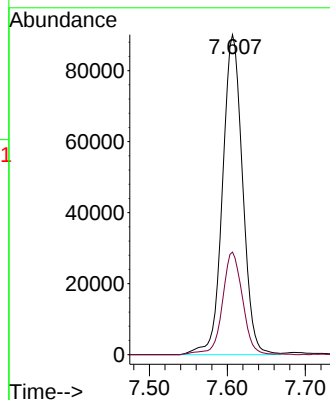
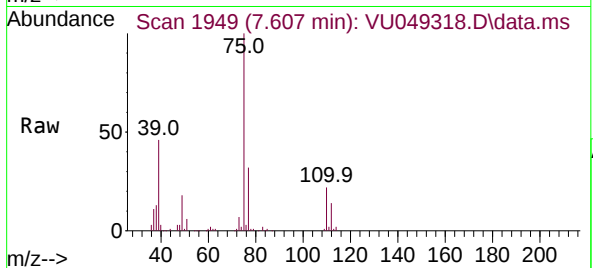
VSTD050153

Tgt Ion: 75 Resp: 160991

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 107.007 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

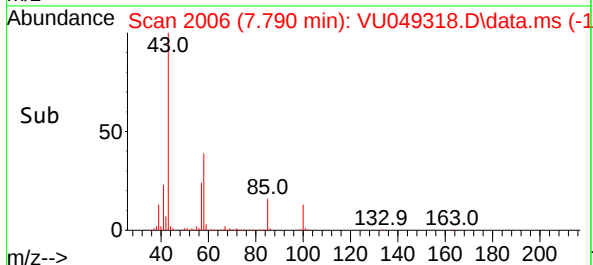
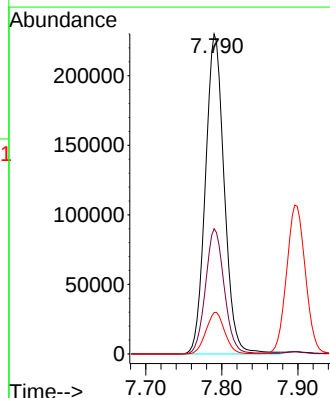
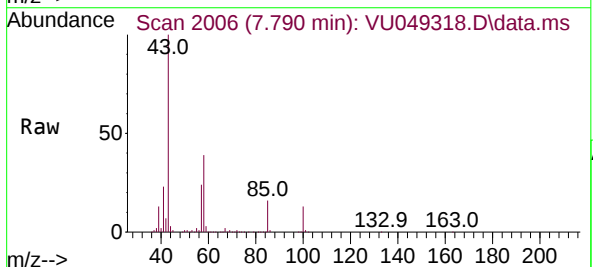
Tgt Ion: 43 Resp: 395436

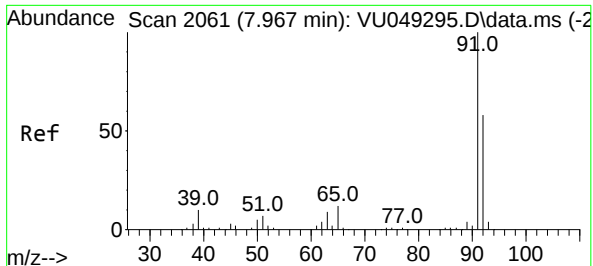
Ion Ratio Lower Upper

43 100

58 39.0 32.2 48.4

100 13.0 12.3 18.5

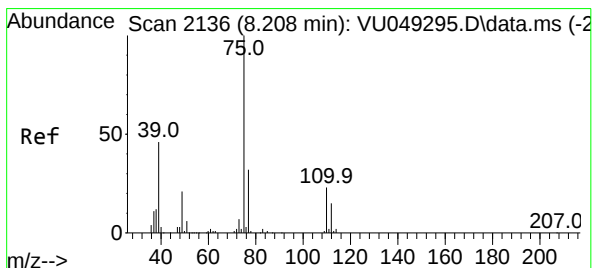
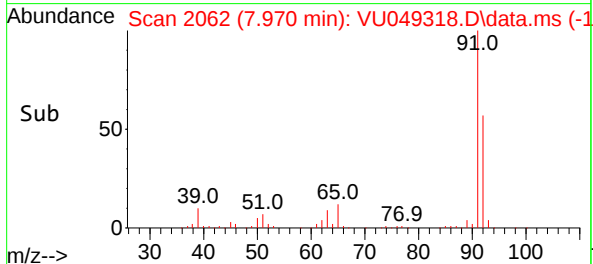
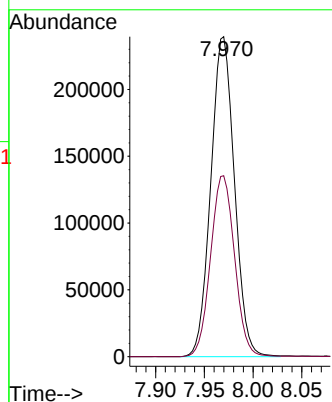
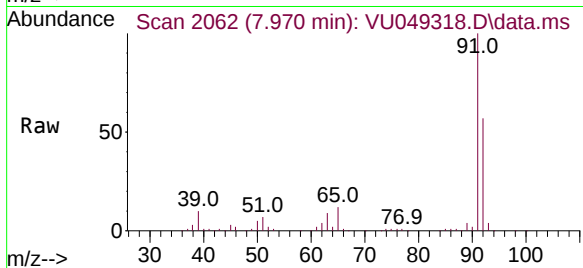




#42
Toluene
Concen: 50.200 ug/L
RT: 7.970 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

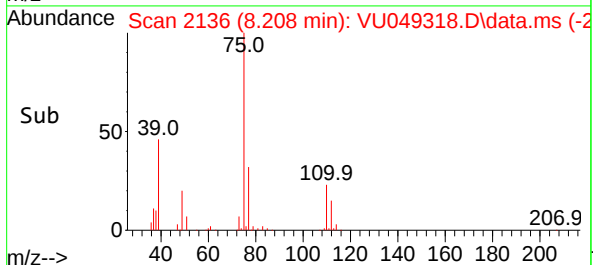
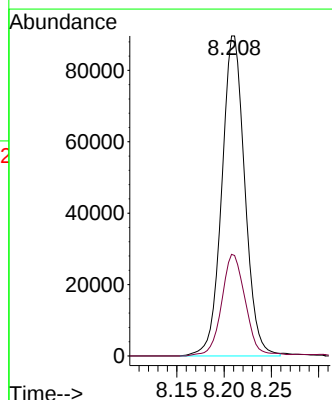
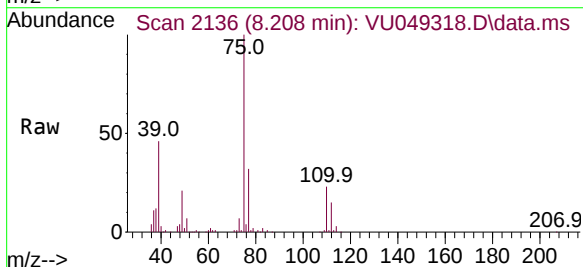
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

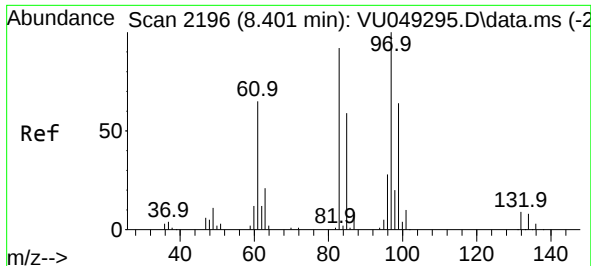
Tgt Ion: 91 Resp: 403595
Ion Ratio Lower Upper
91 100
92 56.6 41.6 77.3



#44
trans-1,3-Dichloropropene
Concen: 47.456 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 75 Resp: 151665
Ion Ratio Lower Upper
75 100
77 31.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 47.372 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050153

Tgt Ion: 97 Resp: 100687

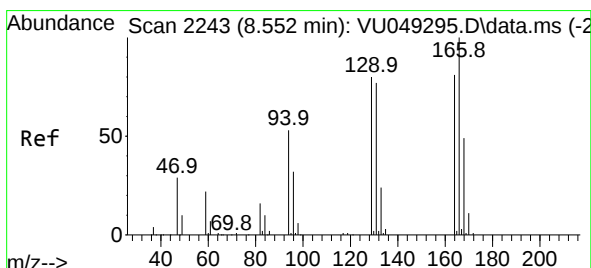
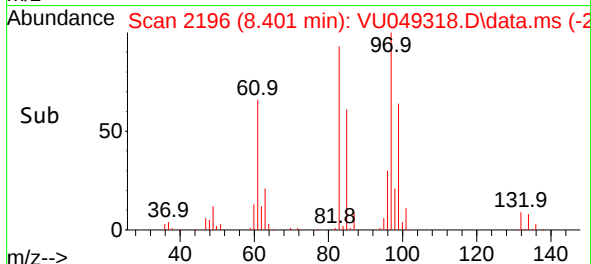
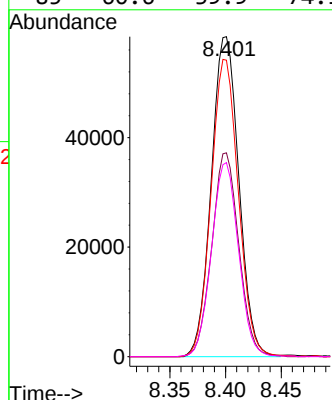
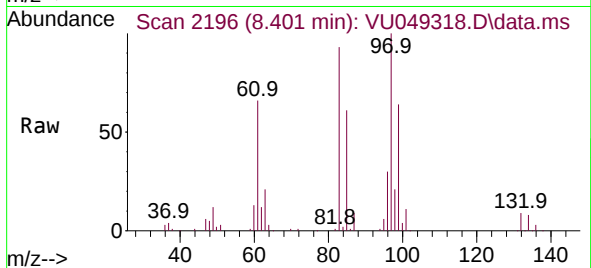
Ion Ratio Lower Upper

97 100

99 63.7 43.5 80.9

83 92.7 60.3 112.1

85 60.6 39.9 74.1



#46

Tetrachloroethene

Concen: 44.697 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Tgt Ion:164 Resp: 67943

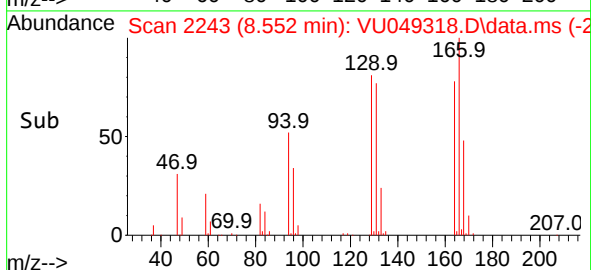
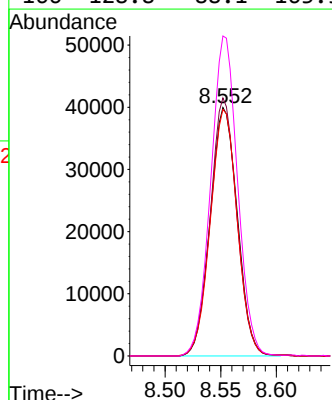
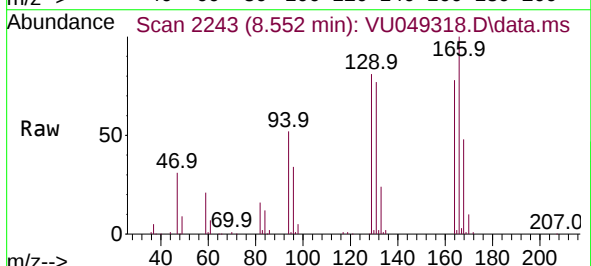
Ion Ratio Lower Upper

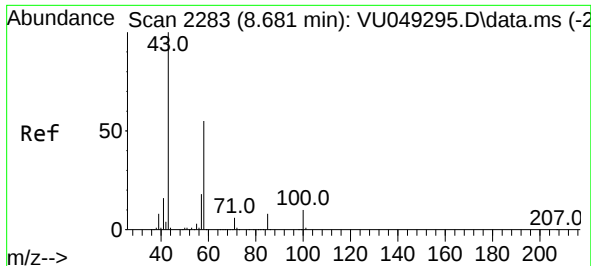
164 100

129 103.8 70.9 131.7

131 99.2 66.2 123.0

166 128.8 88.1 163.5

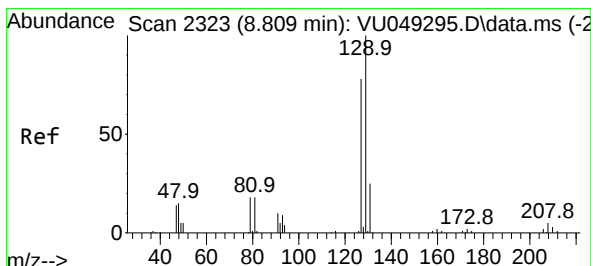
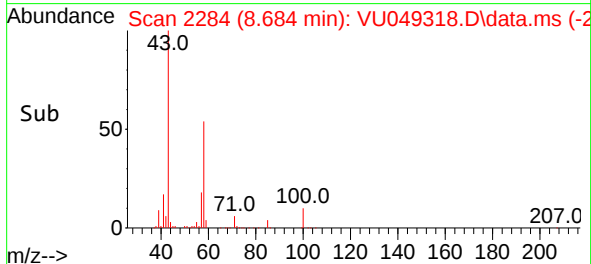
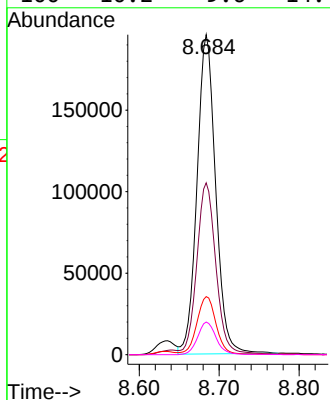
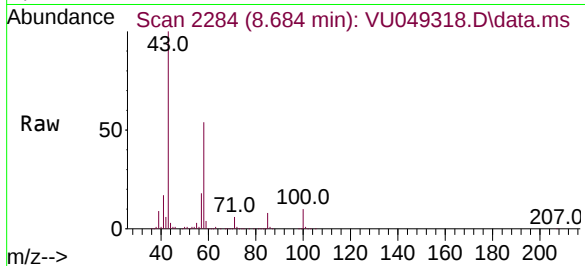




#48
2-Hexanone
Concen: 106.013 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

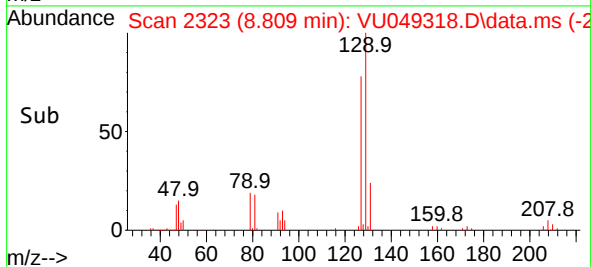
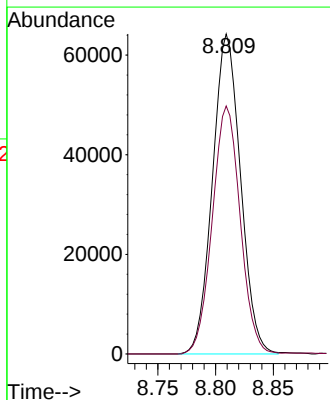
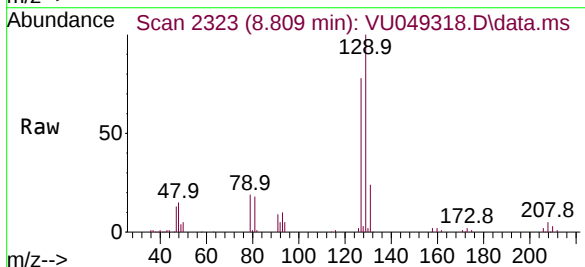
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

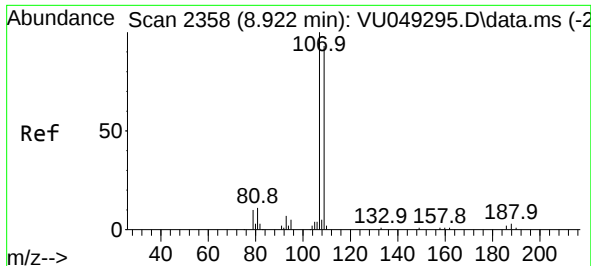
Tgt Ion: 43 Resp: 318487
Ion Ratio Lower Upper
43 100
58 54.6 45.8 68.8
57 18.6 16.2 24.4
100 10.2 9.6 14.4



#49
Dibromochloromethane
Concen: 45.897 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 129 Resp: 108616
Ion Ratio Lower Upper
129 100
127 77.5 53.5 99.5





#50

1,2-Dibromoethane

Concen: 48.686 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050153

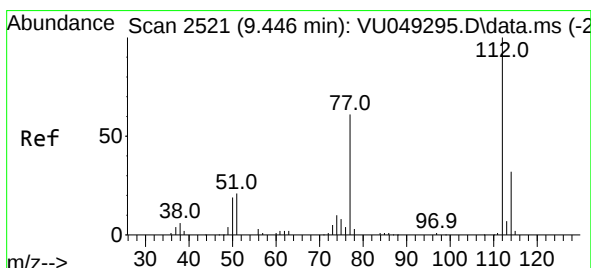
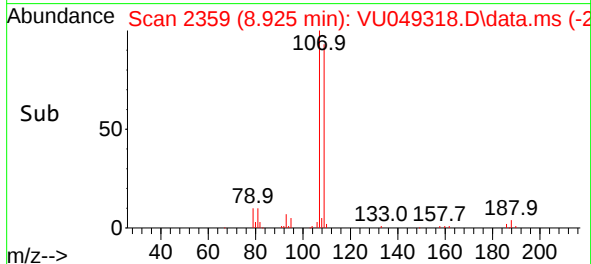
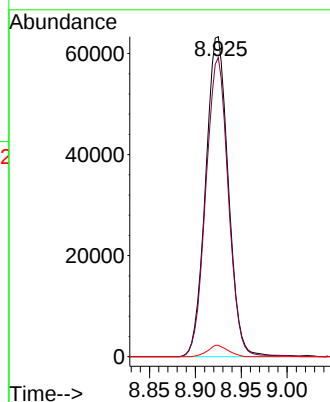
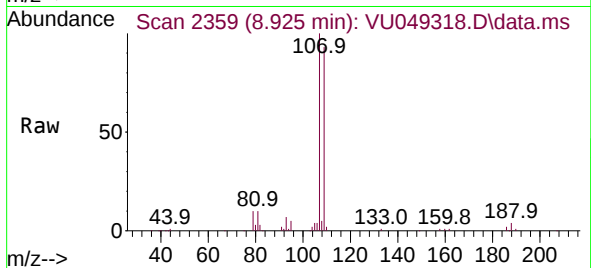
Tgt Ion:107 Resp: 108861

Ion Ratio Lower Upper

107 100

109 93.5 67.2 124.8

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 46.771 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

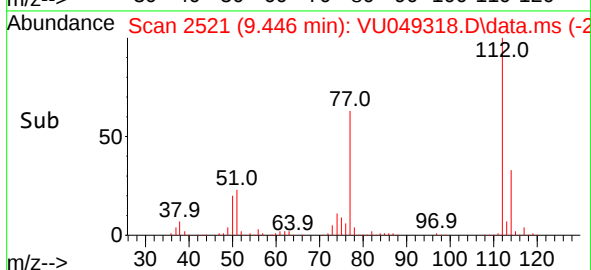
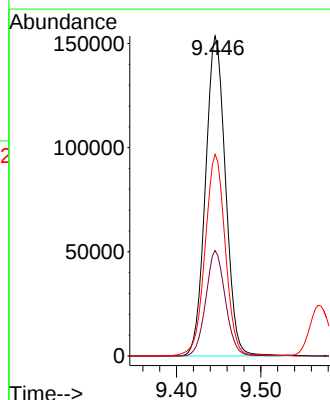
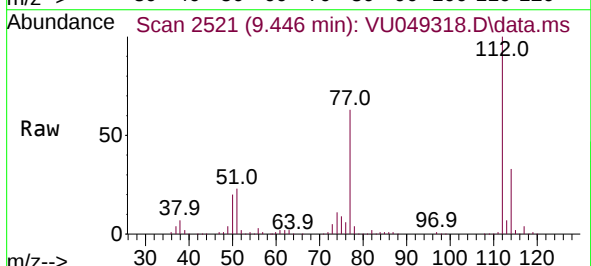
Tgt Ion:112 Resp: 254187

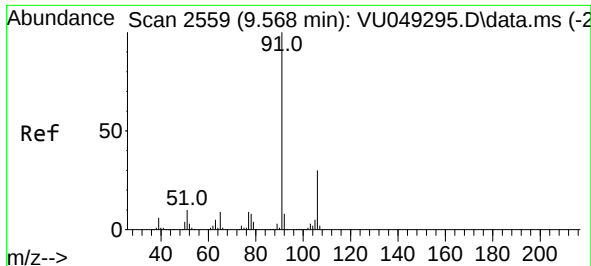
Ion Ratio Lower Upper

112 100

114 32.9 22.3 41.3

77 63.0 47.1 70.7

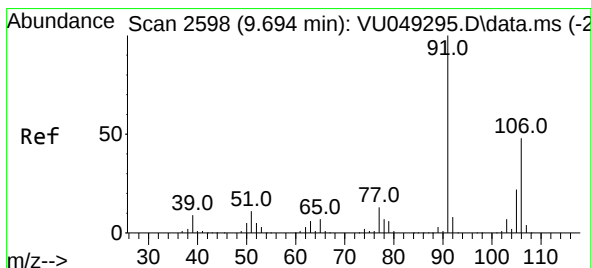
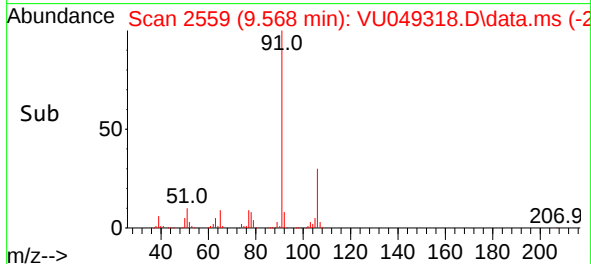
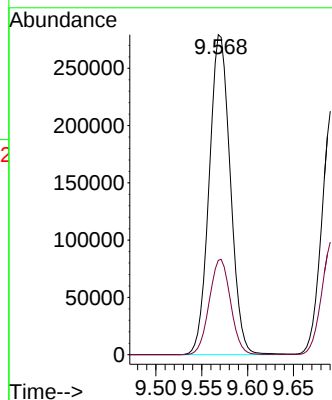
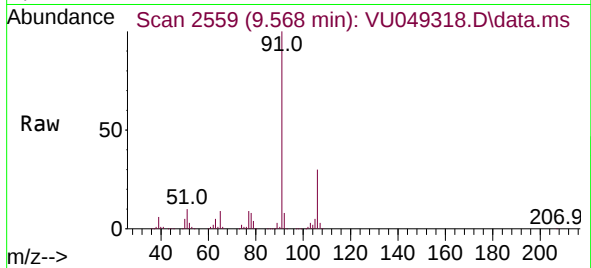




#52
Ethylbenzene
Concen: 51.134 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

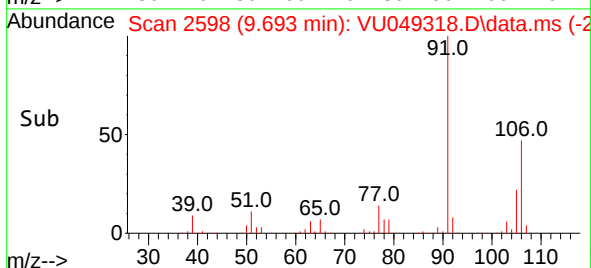
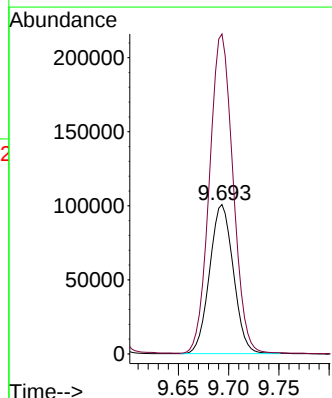
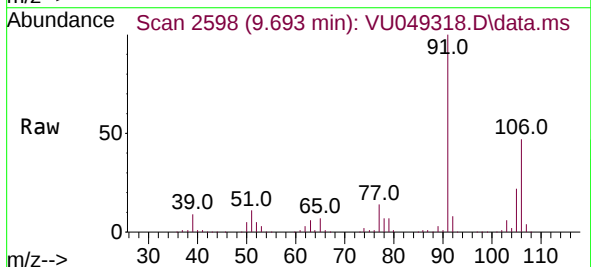
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

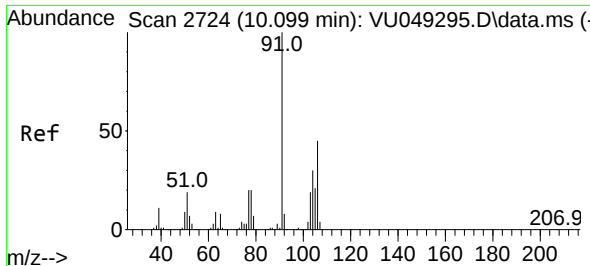
Tgt Ion: 91 Resp: 446979
Ion Ratio Lower Upper
91 100
106 29.5 21.6 40.2



#53
m,p-Xylene
Concen: 48.269 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 106 Resp: 165694
Ion Ratio Lower Upper
106 100
91 214.2 137.4 255.2

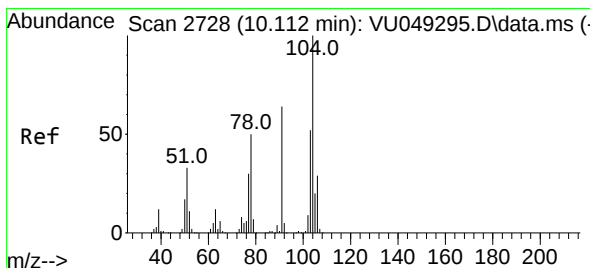
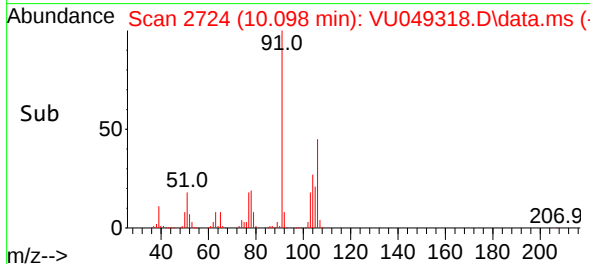
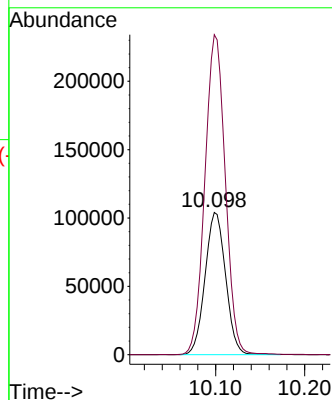
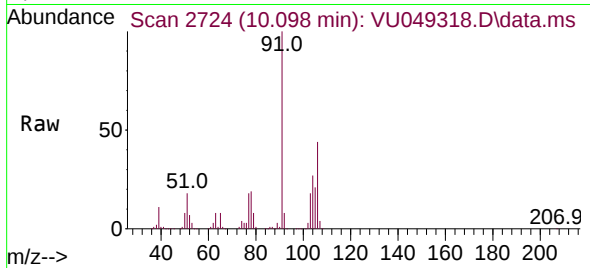




#54
o-Xylene
Concen: 48.135 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

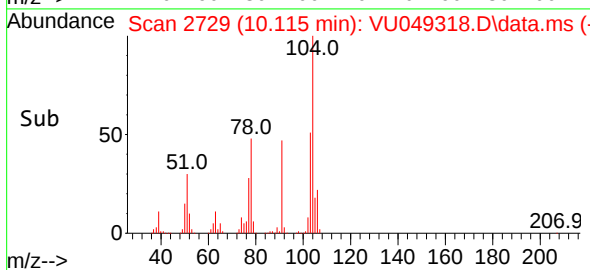
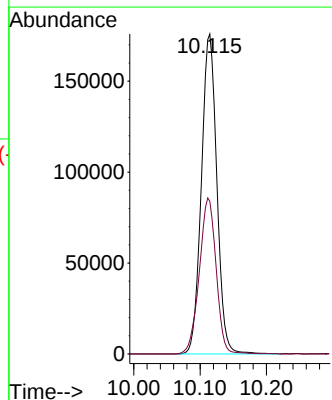
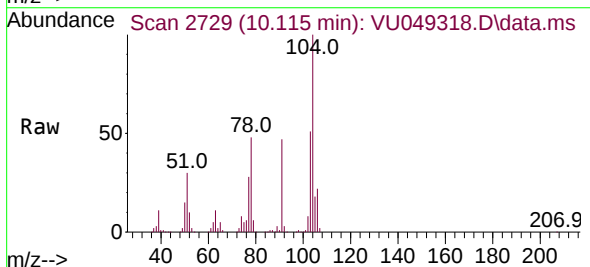
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

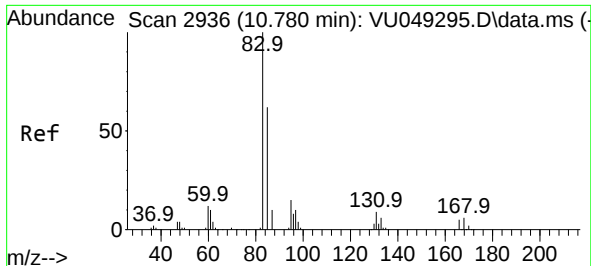
Tgt Ion:106 Resp: 166477
Ion Ratio Lower Upper
106 100
91 224.9 145.2 269.6



#55
Styrene
Concen: 49.386 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion:104 Resp: 285235
Ion Ratio Lower Upper
104 100
78 47.7 32.6 60.6

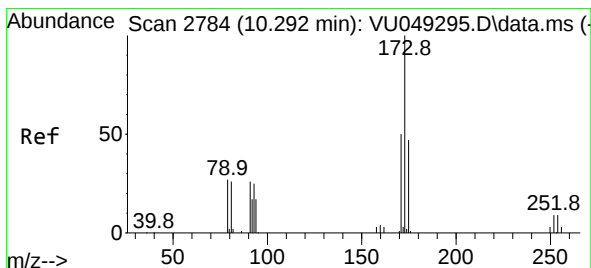
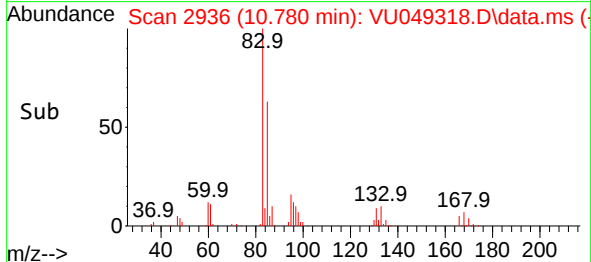
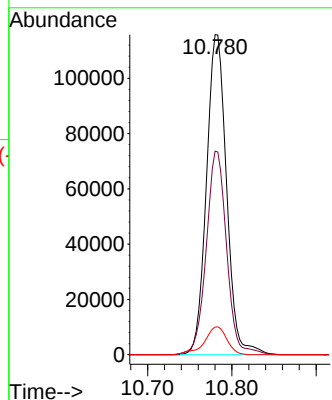
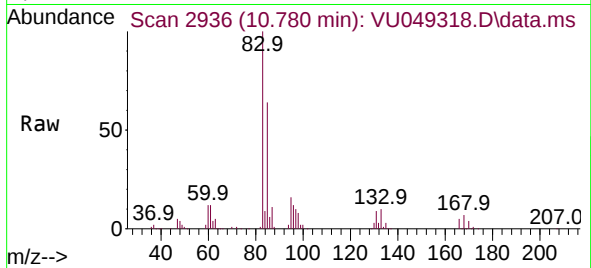




#57
1,1,2,2-Tetrachloroethane
Concen: 48.509 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

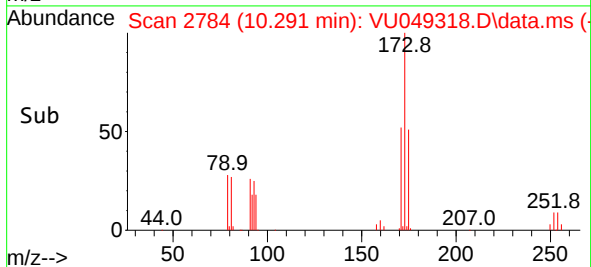
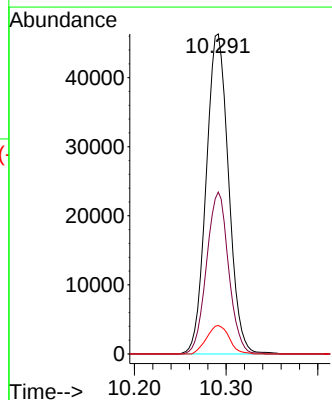
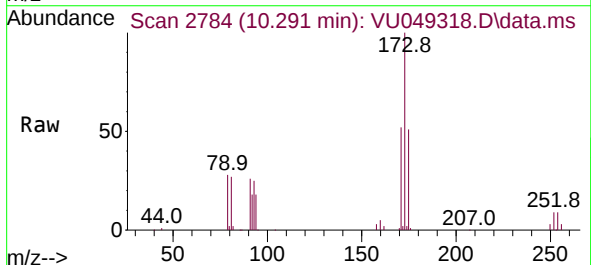
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

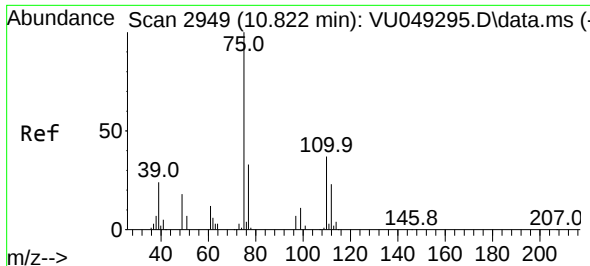
Tgt Ion: 83 Resp: 192143
Ion Ratio Lower Upper
83 100
85 63.6 44.5 82.7
131 8.6 7.6 11.4



#59
Bromoform
Concen: 41.217 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 173 Resp: 78522
Ion Ratio Lower Upper
173 100
175 49.7 37.8 56.8
254 8.9 7.2 10.8

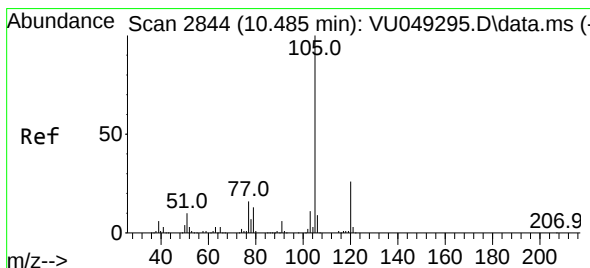
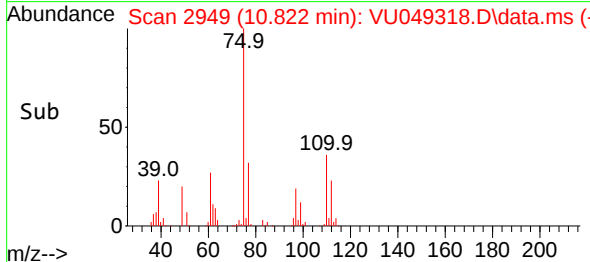
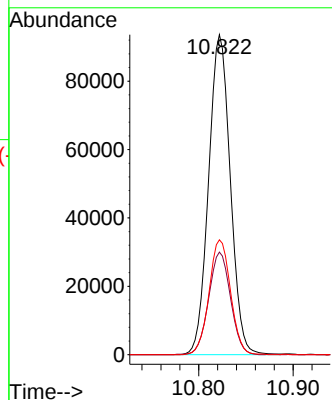
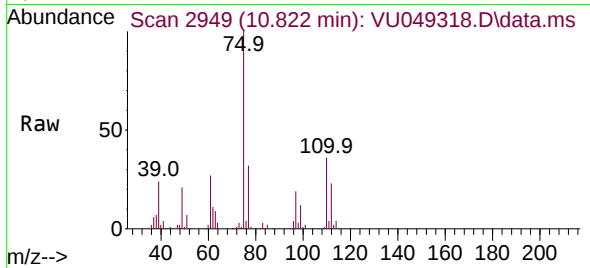




#60
1,2,3-Trichloropropane
Concen: 45.621 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

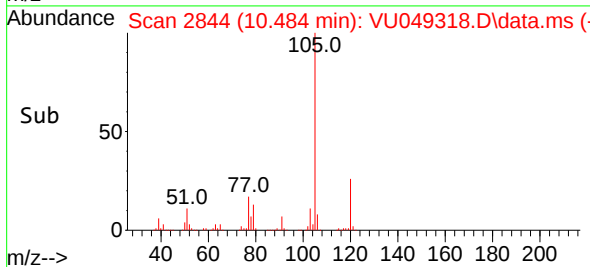
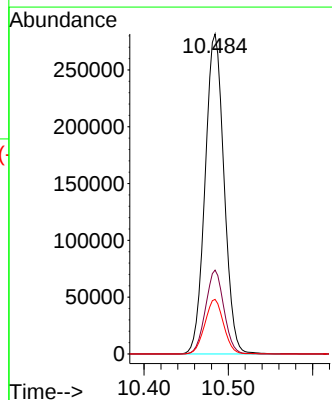
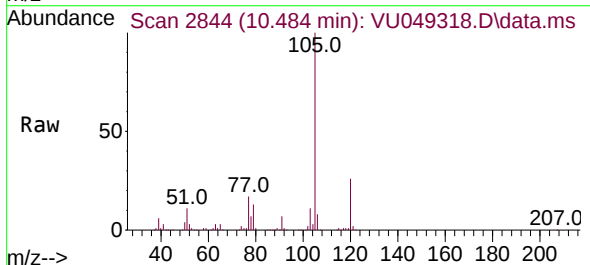
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

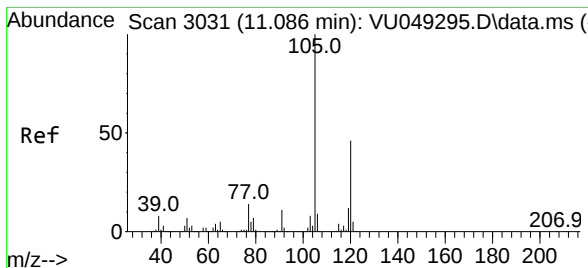
Tgt Ion: 75 Resp: 149381
Ion Ratio Lower Upper
75 100
77 32.3 26.6 40.0
110 35.5 30.2 45.4



#61
Isopropylbenzene
Concen: 50.232 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion: 105 Resp: 440460
Ion Ratio Lower Upper
105 100
120 25.5 21.1 31.7
77 16.9 12.7 19.1

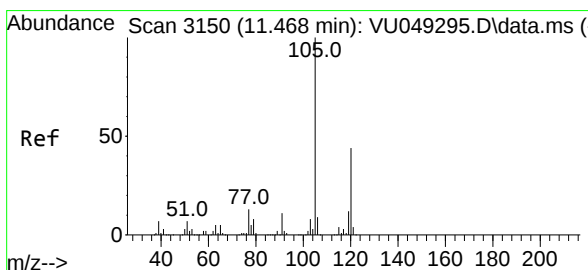
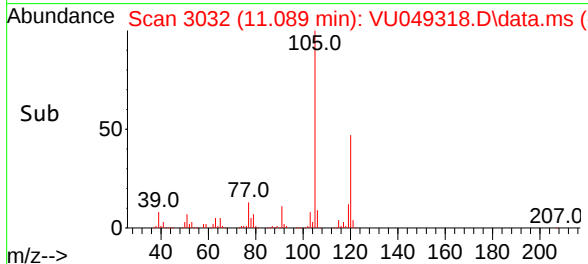
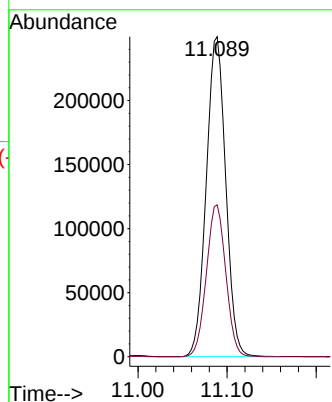
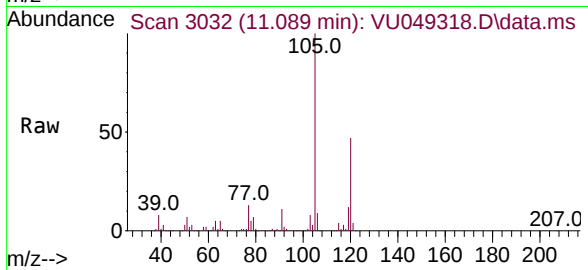




#62
1,3,5-Trimethylbenzene
Concen: 50.534 ug/L
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

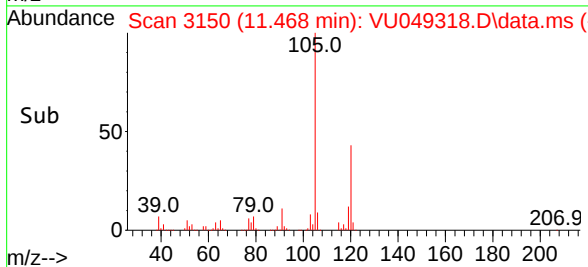
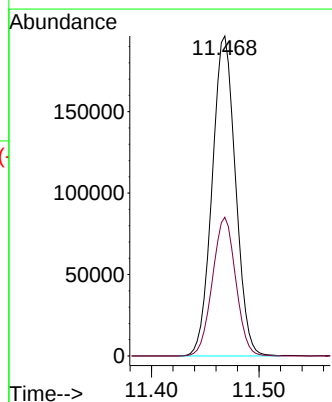
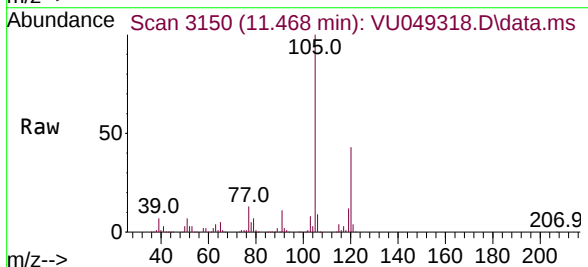
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

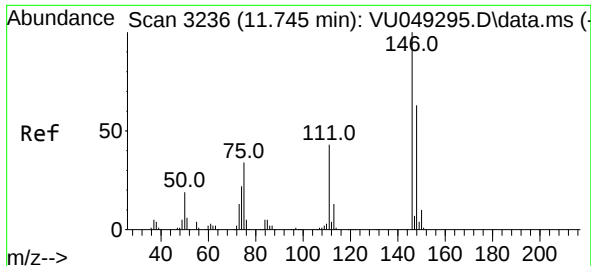
Tgt Ion:105 Resp: 378304
Ion Ratio Lower Upper
105 100
120 47.3 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 49.763 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion:105 Resp: 296588
Ion Ratio Lower Upper
105 100
120 43.2 36.3 54.5

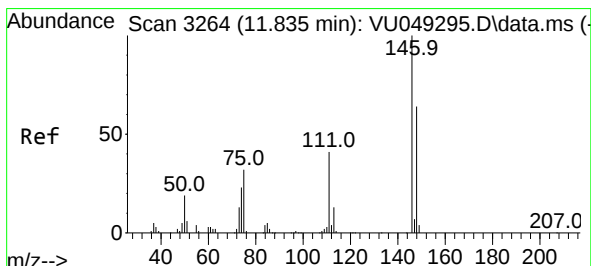
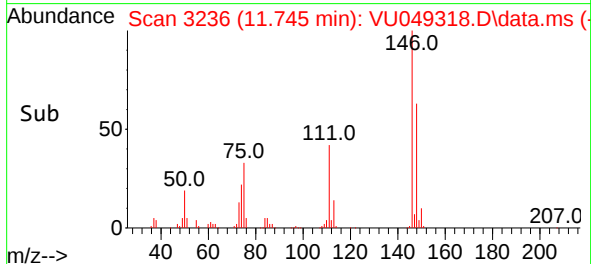
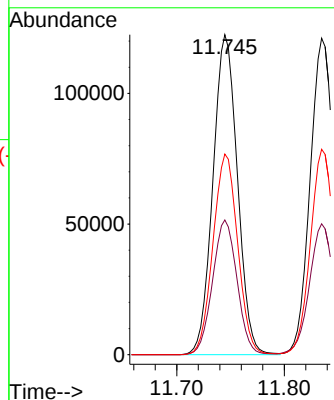
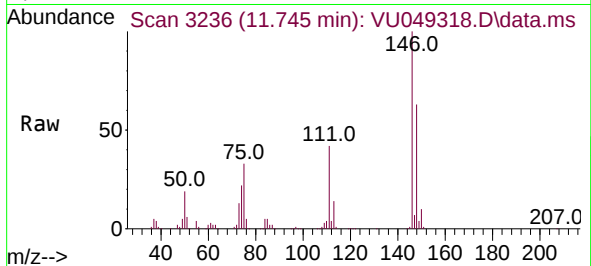




#64
1,3-Dichlorobenzene
Concen: 45.044 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

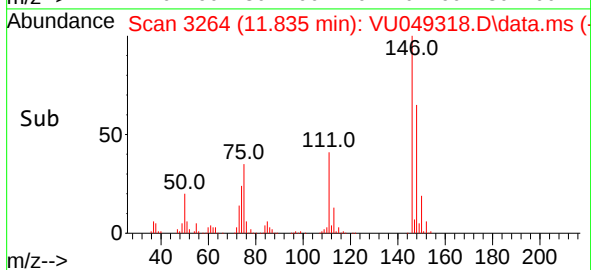
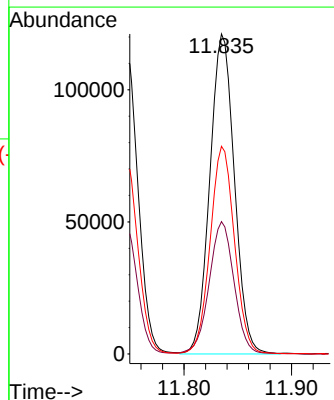
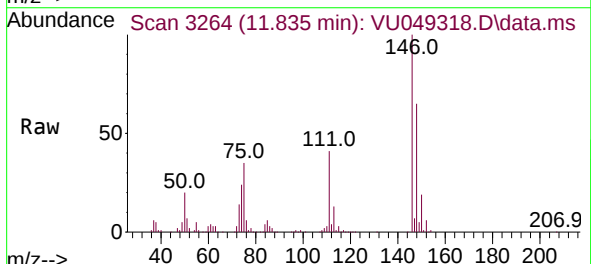
Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

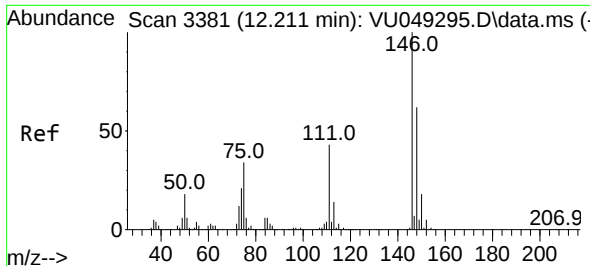
Tgt Ion:146 Resp: 193750
Ion Ratio Lower Upper
146 100
111 42.1 29.8 55.3
148 62.7 45.8 85.0



#65
1,4-Dichlorobenzene
Concen: 44.145 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion:146 Resp: 192250
Ion Ratio Lower Upper
146 100
111 41.4 28.1 52.1
148 64.9 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 44.265 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050153

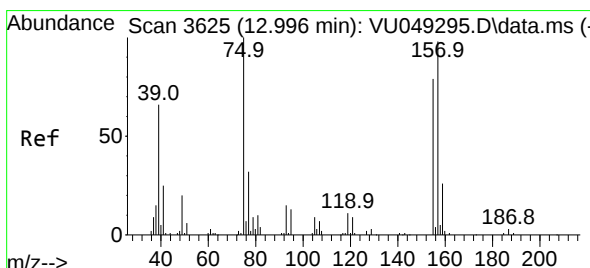
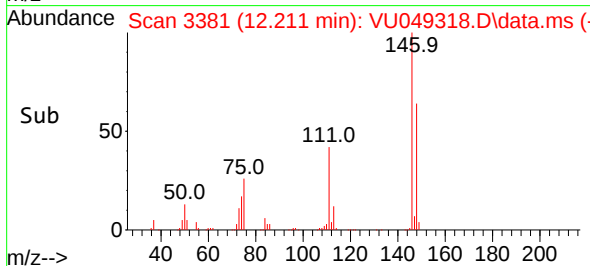
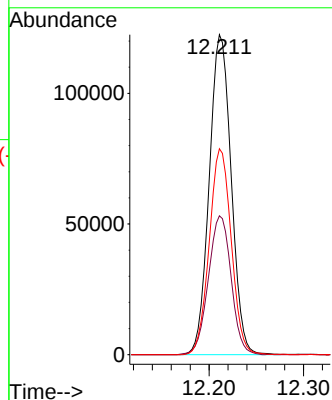
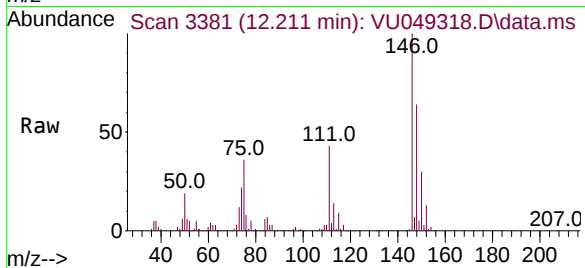
Tgt Ion:146 Resp: 197589

Ion Ratio Lower Upper

146 100

111 43.4 33.9 50.9

148 64.3 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 44.332 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049318.D

Acq: 20 Jun 2022 20:07

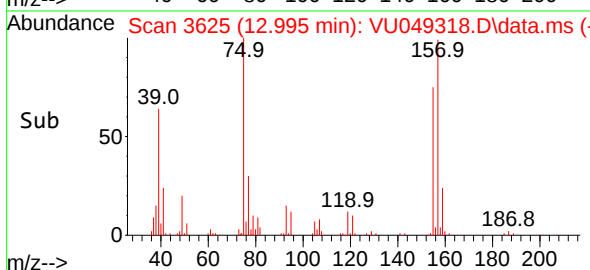
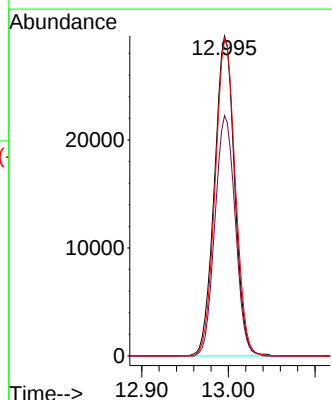
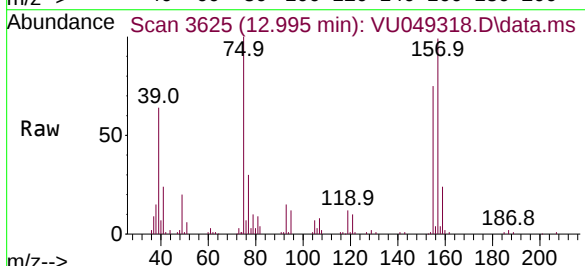
Tgt Ion: 75 Resp: 47910

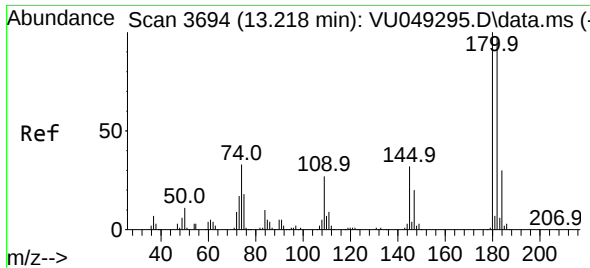
Ion Ratio Lower Upper

75 100

155 75.1 61.0 91.6

157 99.2 77.6 116.4

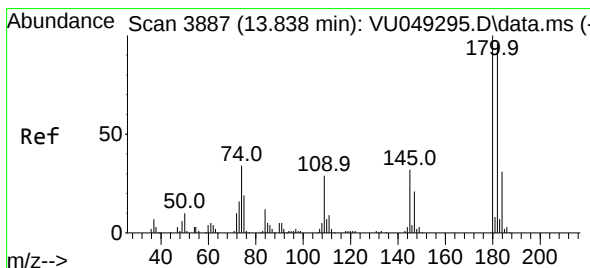
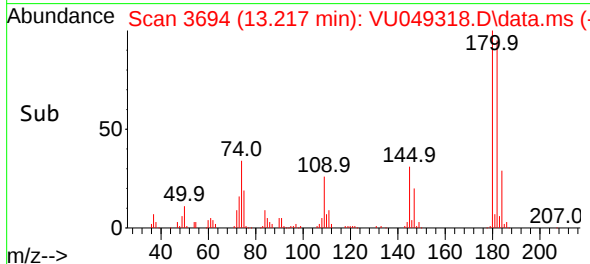
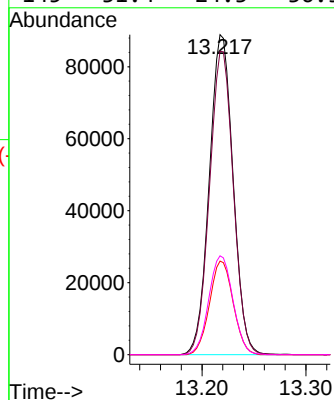
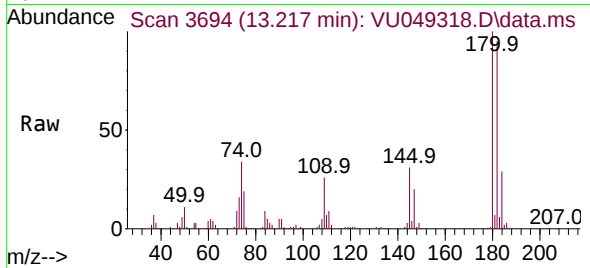




#69
 1,3,5-Trichlorobenzene
 Concen: 45.920 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU049318.D
 Acq: 20 Jun 2022 20:07

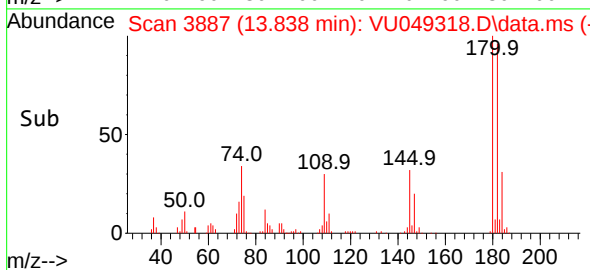
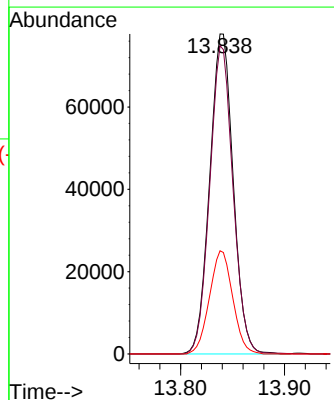
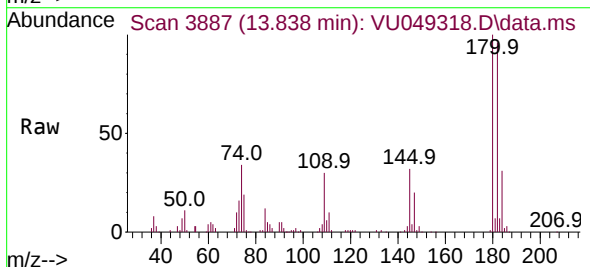
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050153

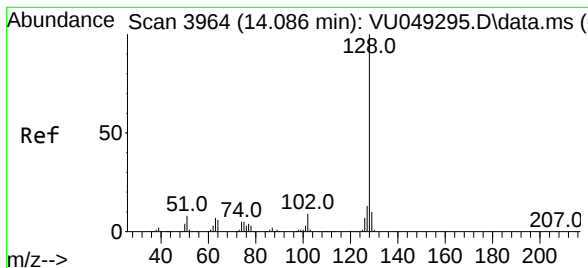
Tgt Ion:180	Resp:	141103
Ion Ratio	Lower	Upper
180	100	
182	94.8	76.0 114.0
184	29.1	24.5 36.7
145	31.4	24.3 36.5



#70
 1,2,4-trichlorobenzene
 Concen: 46.950 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU049318.D
 Acq: 20 Jun 2022 20:07

Tgt Ion:180	Resp:	121995
Ion Ratio	Lower	Upper
180	100	
182	95.1	78.2 117.2
145	31.9	25.0 37.4

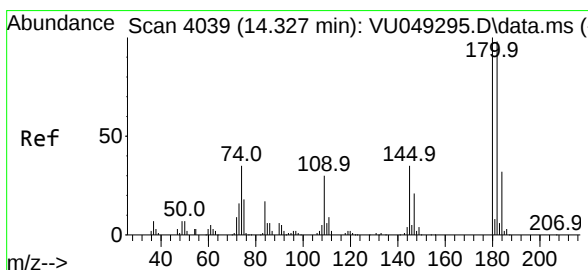
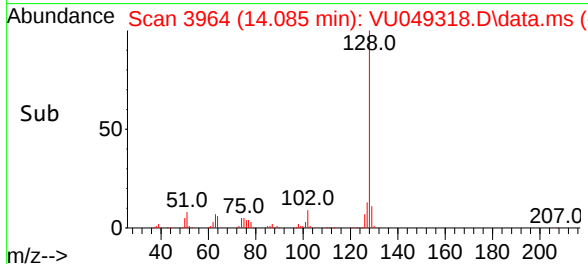
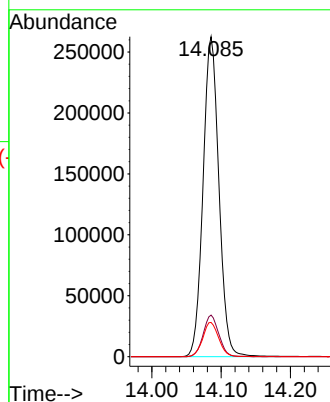
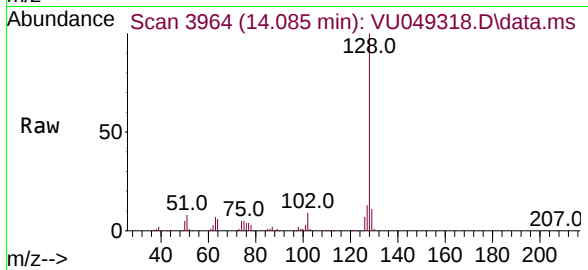




#71
Naphthalene
Concen: 45.410 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD050153

Tgt Ion:128 Resp: 417453
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 46.471 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU049318.D
Acq: 20 Jun 2022 20:07

Tgt Ion:180 Resp: 127728
Ion Ratio Lower Upper
180 100
182 97.4 77.3 115.9
145 33.2 26.3 39.5

