

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
 Data File : VU051815.D
 Acq On : 11 Nov 2022 09:31
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

Quant Time: Nov 12 01:12:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 11 00:38:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	215361	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	216630	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	108967	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	70897	4.371	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.400%
7) Chloroethane-d5	1.909	69	69780	4.125	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.565	65	29376	4.990	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.800%
20) 2-Butanone-d5	4.620	46	209720	35.702	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.400%
24) Chloroform-d	5.060	84	165305	4.355	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.700	65	81428	3.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
32) Benzene-d6	5.726	84	330496	4.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.690	67	108654	4.545	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.896	98	305002	5.673	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.400%
43) trans-1,3-Dichloroprop...	8.179	79	37381	5.114	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.200%
46) 2-Hexanone-d5	8.629	63	182163	41.401	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.800%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	98605	4.501	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	108341	5.417	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	92882	3.944	ug/L	98
3) Chloromethane	1.526	50	108915	3.668	ug/L	99
5) Vinyl chloride	1.604	62	110406	3.882	ug/L	86
6) Bromomethane	1.848	94	79172	5.871	ug/L	91
8) Chloroethane	1.932	64	70962	4.109	ug/L	97
9) Trichlorofluoromethane	2.137	101	135564	4.342	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	85709	4.670	ug/L	99
12) 1,1-Dichloroethene	2.578	96	78683	4.203	ug/L	96
13) Acetone	2.623	43	148970	49.982	ug/L	98
14) Carbon disulfide	2.790	76	191802	3.178	ug/L	100
15) Methyl Acetate	2.948	43	36385	4.663	ug/L	97
16) Methylene chloride	3.044	84	115590	3.769	ug/L	98
17) Methyl tert-butyl Ether	3.362	73	209886	4.889	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	85102	4.235	ug/L	99
19) 1,1-Dichloroethane	3.867	63	176268	4.756	ug/L	97
21) 2-Butanone	4.697	43	243420	52.152	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	103030	4.634	ug/L	99
23) Bromochloromethane	4.973	128	49771	4.788	ug/L	98
25) Chloroform	5.086	83	191392	4.978	ug/L	99

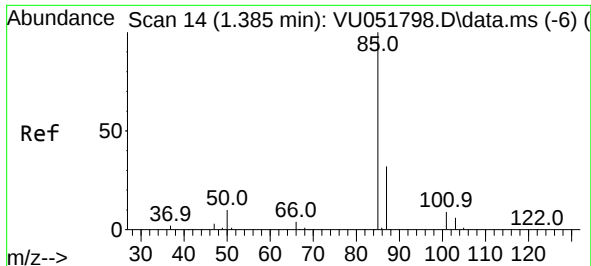
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	115032	4.862	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	141173	4.800	ug/L	99
30) Cyclohexane	5.388	56	106847	3.945	ug/L	99
31) Carbon tetrachloride	5.523	117	115967	4.610	ug/L	99
33) Benzene	5.771	78	400718	4.687	ug/L	100
34) Trichloroethene	6.539	95	94534	4.582	ug/L	99
35) Methylcyclohexane	6.761	83	116859	4.097	ug/L	98
37) 1,2-Dichloropropane	6.790	63	110049	5.005	ug/L	99
38) Bromodichloromethane	7.105	83	140097	5.216	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	142024	5.035	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	597939	54.217	ug/L	99
42) Toluene	7.967	91	432475	4.926	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	125389	5.319	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	85523	5.308	ug/L	98
47) Tetrachloroethene	8.552	164	72548	4.592	ug/L	96
48) 2-Hexanone	8.681	43	441959	54.139	ug/L	98
49) Dibromochloromethane	8.809	129	97927	5.320	ug/L	96
50) 1,2-Dibromoethane	8.922	107	74904	5.153	ug/L	96
51) Chlorobenzene	9.446	112	276024	4.995	ug/L	98
52) Ethylbenzene	9.568	91	412035	4.864	ug/L	98
53) m,p-Xylene	9.693	106	164029	4.985	ug/L	100
54) o-Xylene	10.098	106	166000	5.162	ug/L	97
55) Styrene	10.111	104	292439	5.440	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	109831	5.497	ug/L	97
59) Bromoform	10.288	173	55299	5.492	ug/L	99
60) Isopropylbenzene	10.481	105	411833	5.177	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	76291	5.414	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	106533	4.975	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	310539	5.029	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	212111	5.356	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	207739	5.232	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	209517	5.431	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	15915	5.485	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	145890	5.168	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	111300	5.136	ug/L	98
71) Naphthalene	14.085	128	193136	4.774	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	110424	5.046	ug/L	98

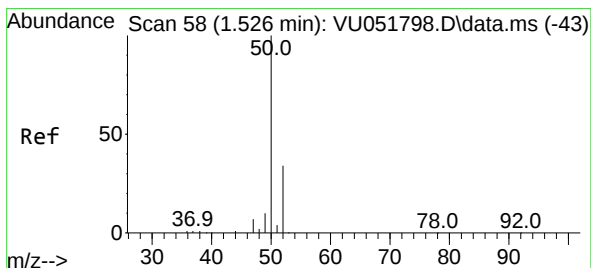
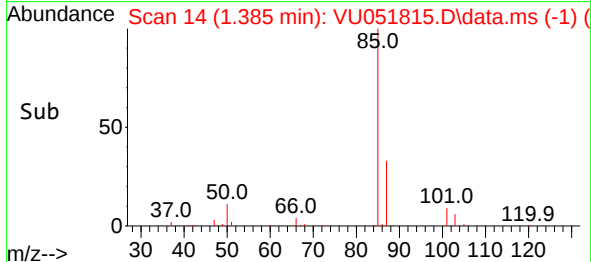
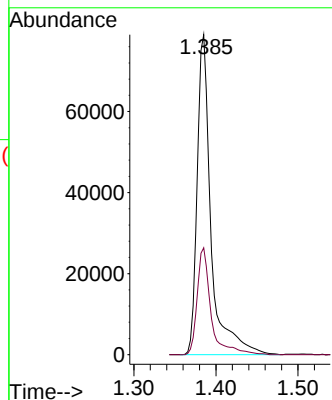
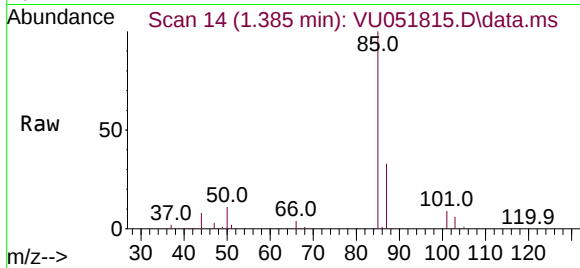
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#2
Dichlorodifluoromethane
Concen: 3.944 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

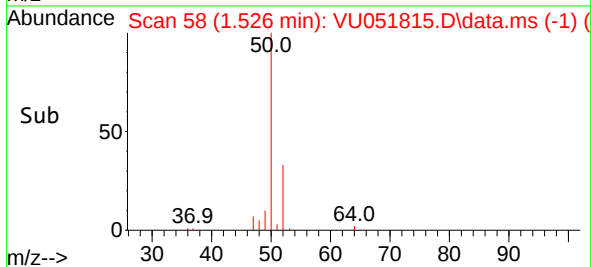
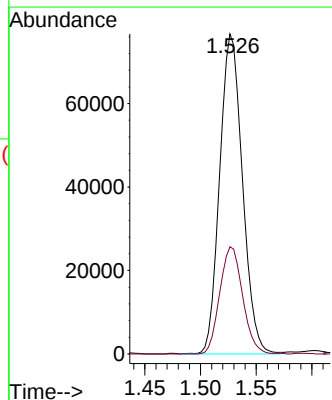
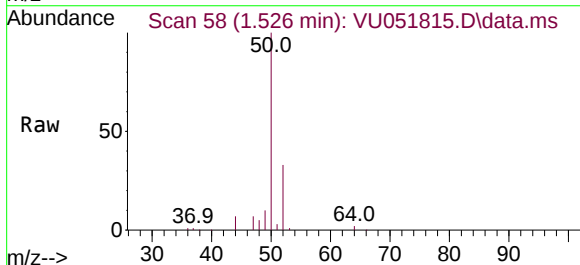
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

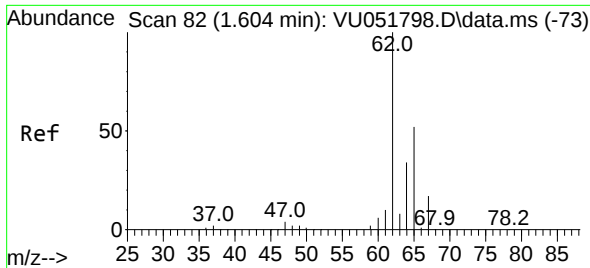
Tgt Ion: 85 Resp: 92882
Ion Ratio Lower Upper
85 100
87 33.4 25.7 38.5



#3
Chloromethane
Concen: 3.668 ug/L
RT: 1.526 min Scan# 58
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion: 50 Resp: 108915
Ion Ratio Lower Upper
50 100
52 33.5 23.2 43.2

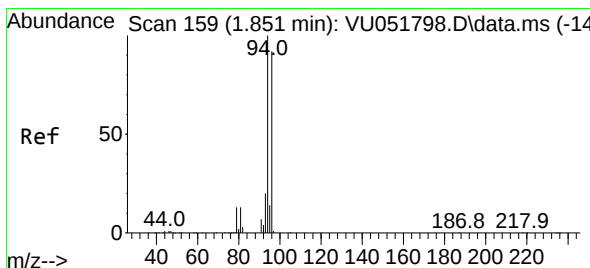
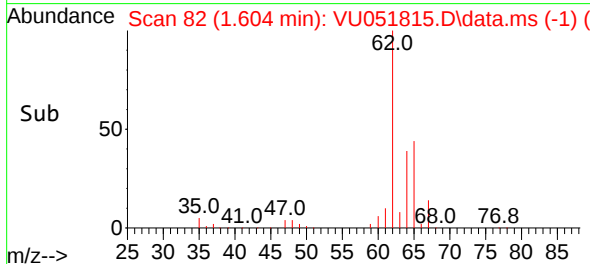
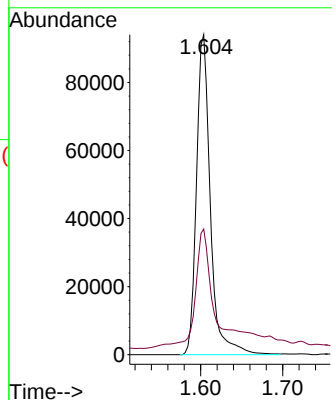
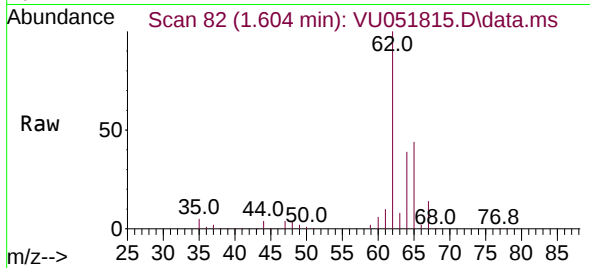




#5
 Vinyl chloride
 Concen: 3.882 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051815.D
 Acq: 11 Nov 2022 09:31

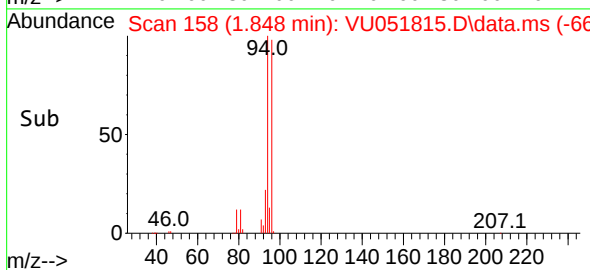
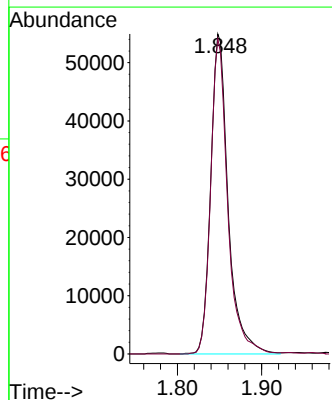
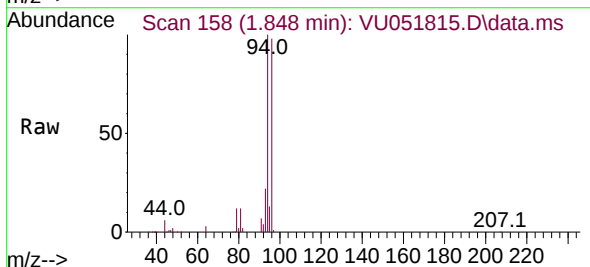
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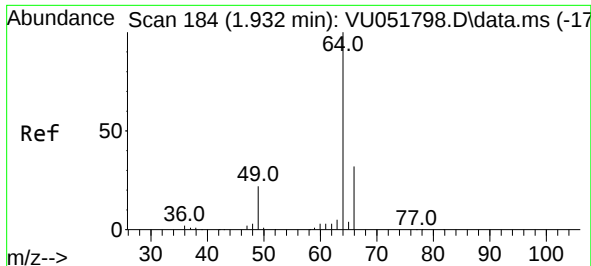
Tgt Ion: 62 Resp: 110406
 Ion Ratio Lower Upper
 62 100
 64 39.2 22.1 41.1



#6
 Bromomethane
 Concen: 5.871 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. -0.003 min
 Lab File: VU051815.D
 Acq: 11 Nov 2022 09:31

Tgt Ion: 94 Resp: 79172
 Ion Ratio Lower Upper
 94 100
 96 98.5 63.2 117.4

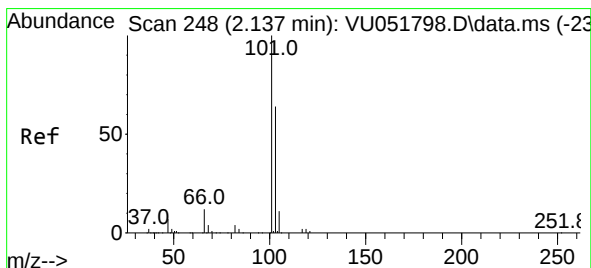
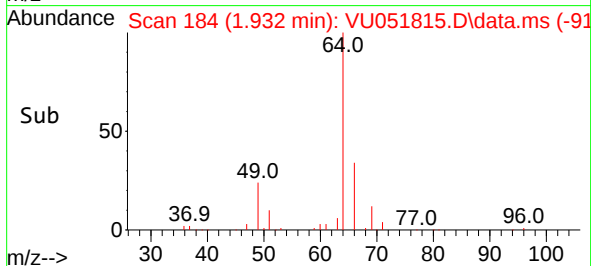
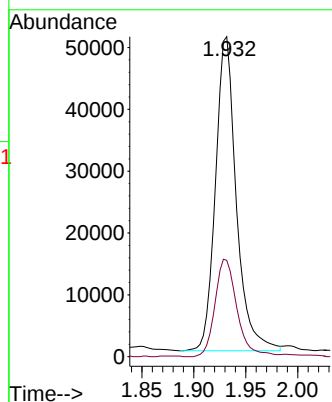
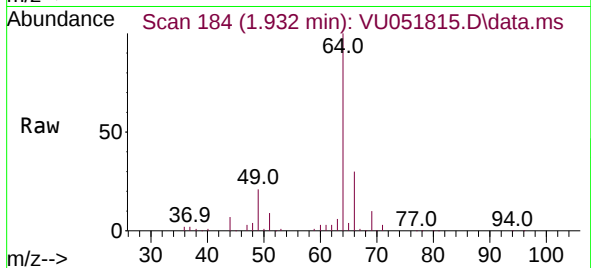




#8
Chloroethane
Concen: 4.109 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

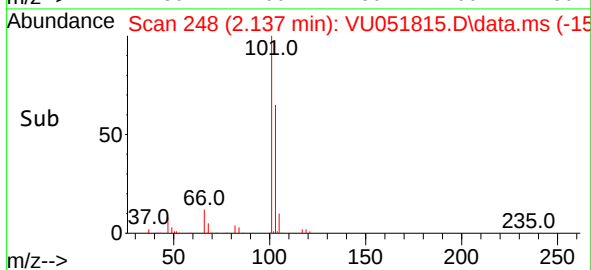
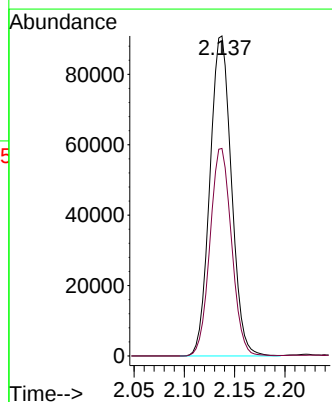
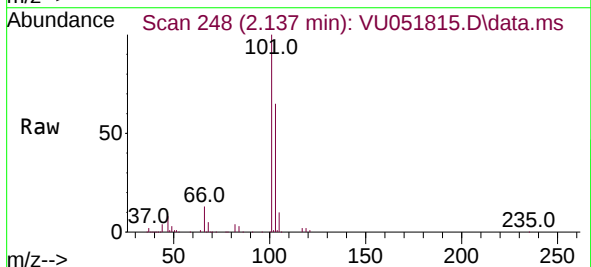
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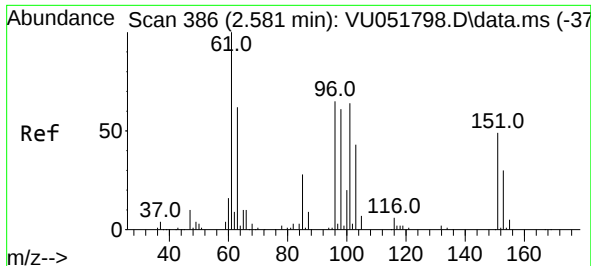
Tgt Ion: 64 Resp: 70962
Ion Ratio Lower Upper
64 100
66 30.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.342 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion:101 Resp: 135564
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6





#10

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

Concen: 4.670 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

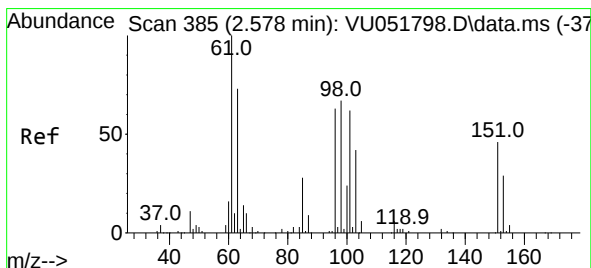
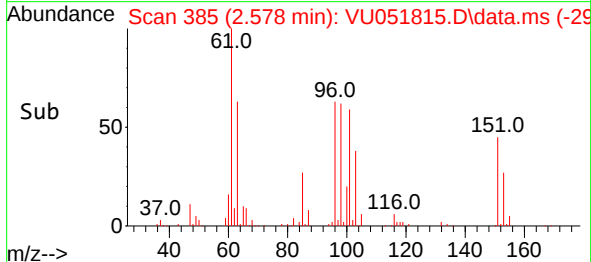
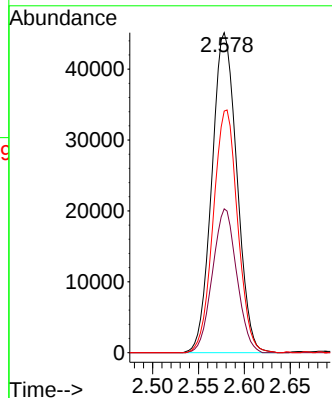
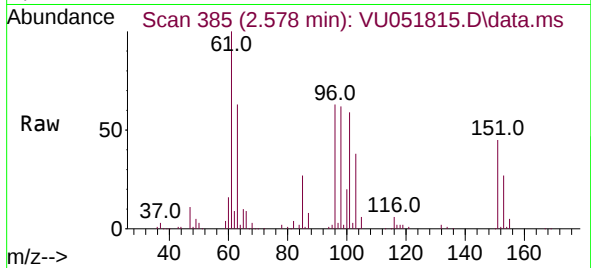
Tgt Ion:101 Resp: 85709

Ion Ratio Lower Upper

101 100

85 43.5 35.6 53.4

151 74.1 59.6 89.4



#12

1,1-Dichloroethene

Concen: 4.203 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

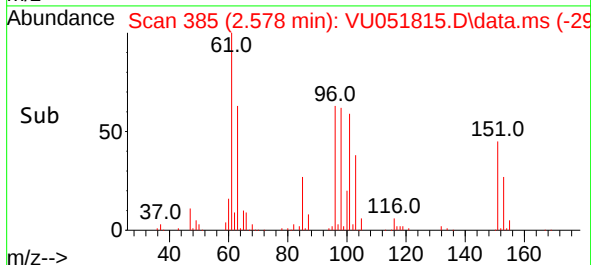
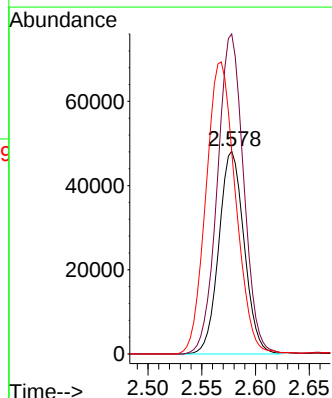
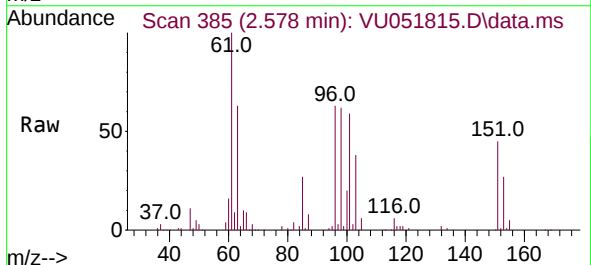
Tgt Ion: 96 Resp: 78683

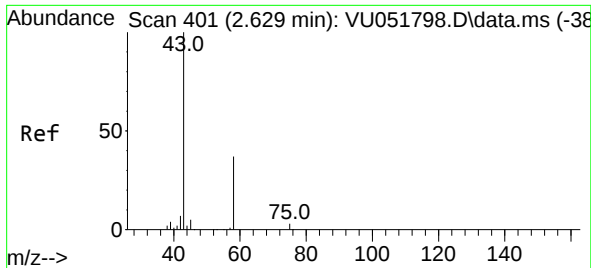
Ion Ratio Lower Upper

96 100

61 157.8 108.8 202.0

63 99.9 64.9 120.5





#13

Acetone

Concen: 49.982 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.006 min

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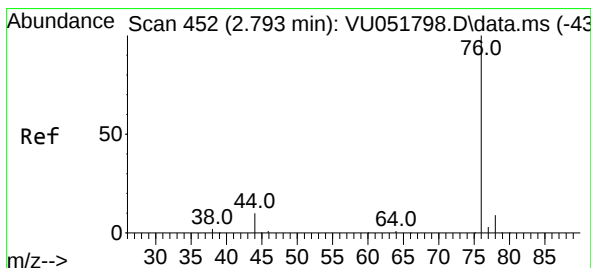
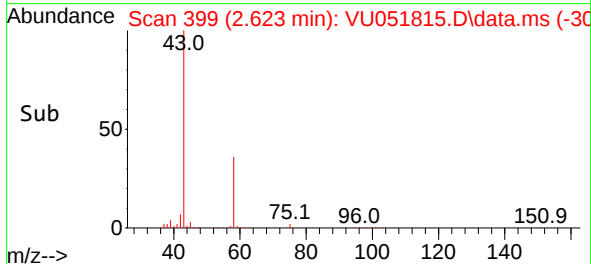
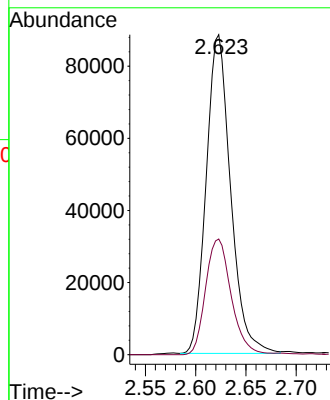
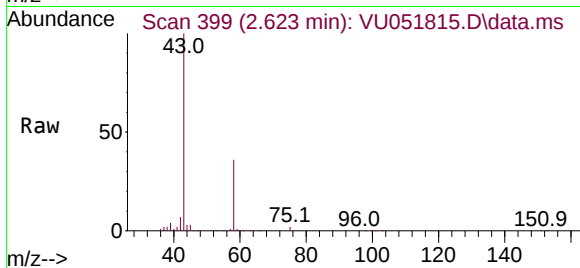
VSTD005198

Tgt Ion: 43 Resp: 148970

Ion Ratio Lower Upper

43 100

58 38.0 0.0 73.8



#14

Carbon disulfide

Concen: 3.178 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU051815.D

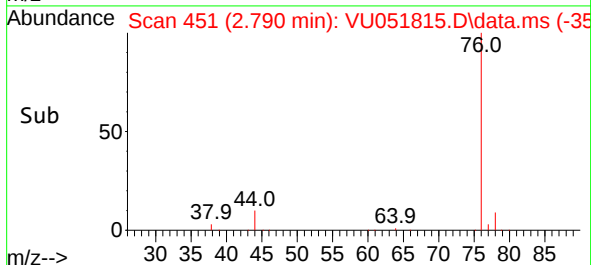
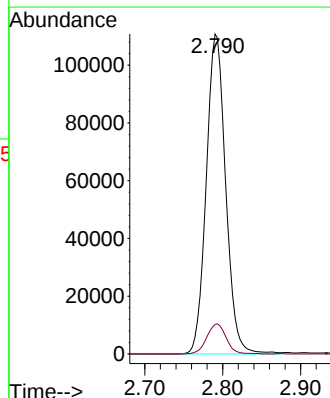
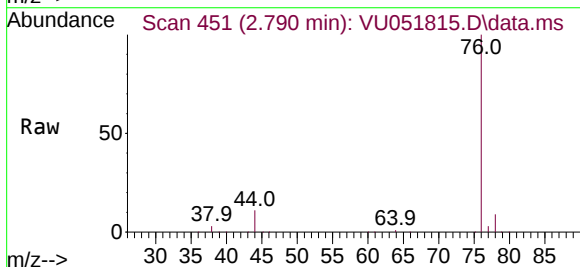
Acq: 11 Nov 2022 09:31

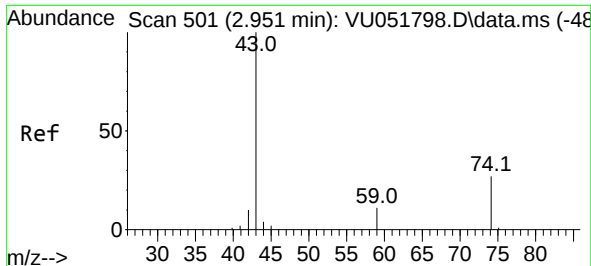
Tgt Ion: 76 Resp: 191802

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

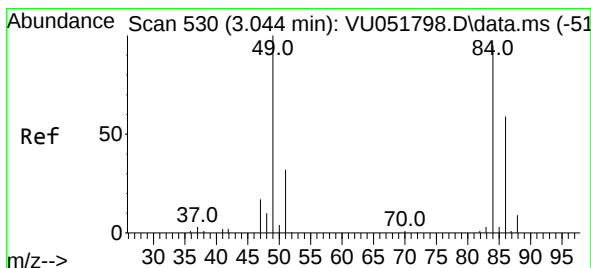
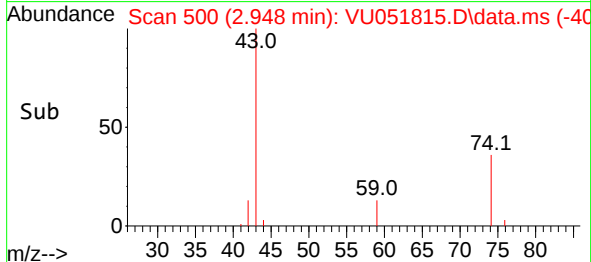
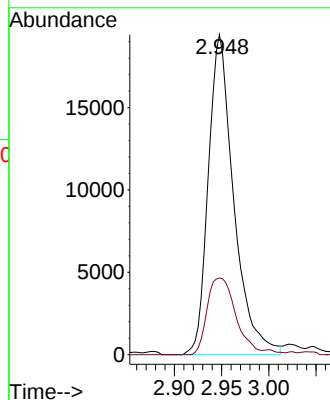
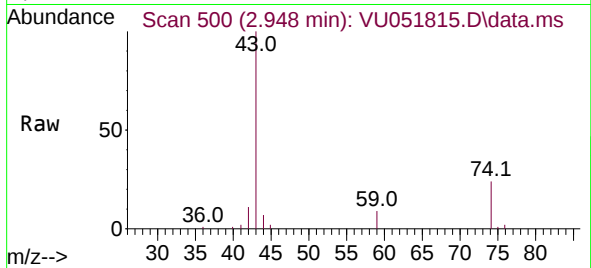




#15
Methyl Acetate
Concen: 4.663 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

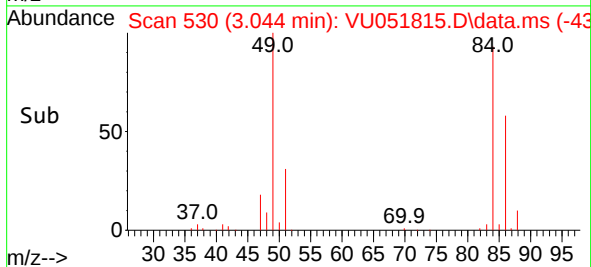
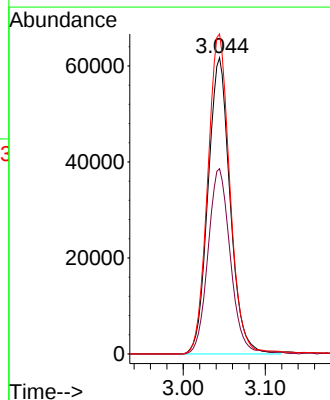
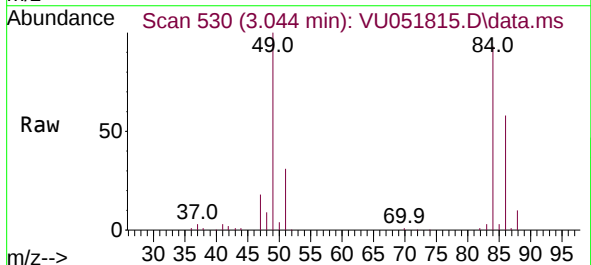
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

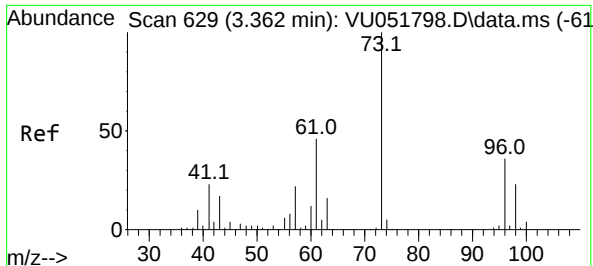
Tgt Ion: 43 Resp: 36385
Ion Ratio Lower Upper
43 100
74 26.8 20.2 30.4



#16
Methylene chloride
Concen: 3.769 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion: 84 Resp: 115590
Ion Ratio Lower Upper
84 100
86 62.5 46.3 85.9
49 108.0 76.0 141.2





#17

Methyl tert-butyl Ether

Concen: 4.889 ug/L

RT: 3.362 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

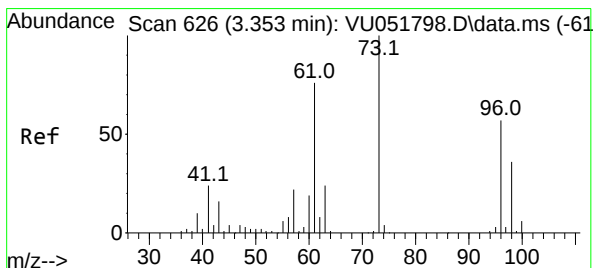
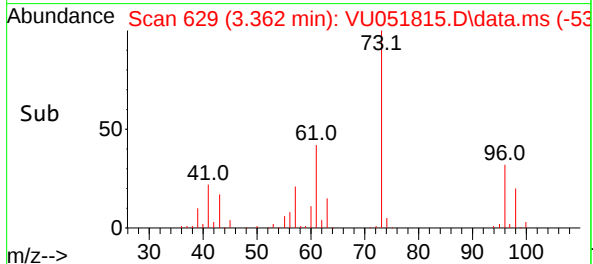
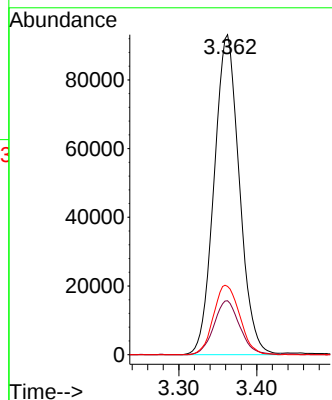
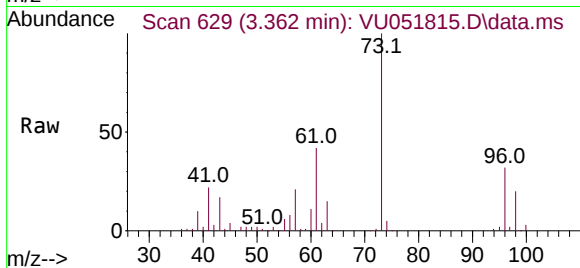
Tgt Ion: 73 Resp: 209886

Ion Ratio Lower Upper

73 100

43 17.2 13.6 20.4

57 22.5 17.5 26.3



#18

trans-1,2-Dichloroethene

Concen: 4.235 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

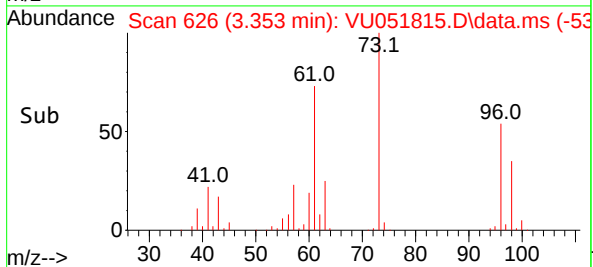
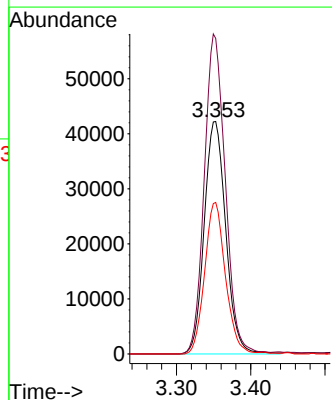
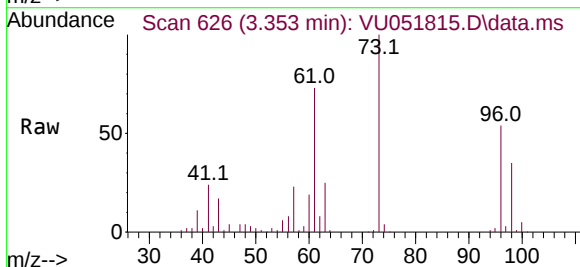
Tgt Ion: 96 Resp: 85102

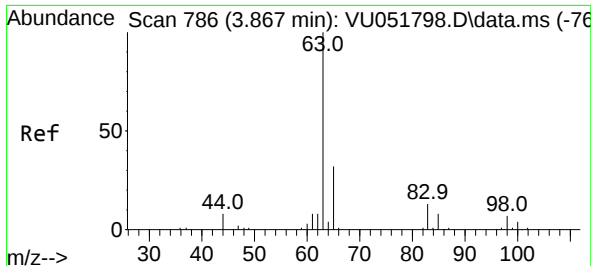
Ion Ratio Lower Upper

96 100

61 135.7 94.7 175.9

98 65.2 44.2 82.0





#19

1,1-Dichloroethane

Concen: 4.756 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

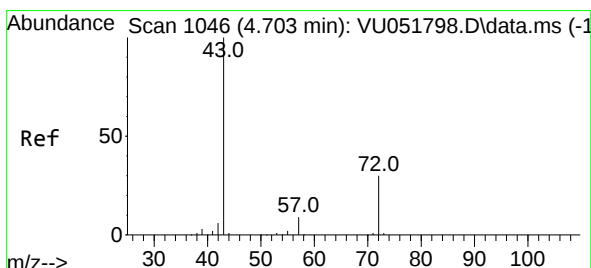
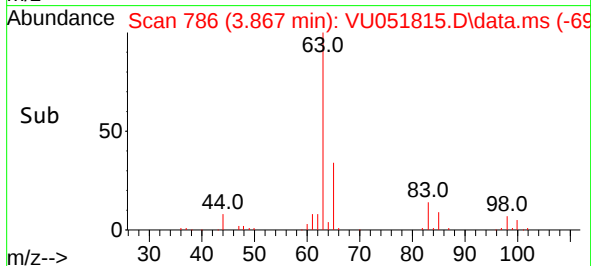
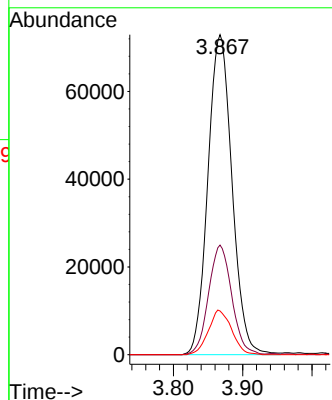
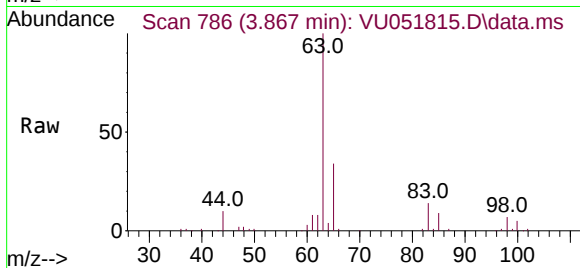
Tgt Ion: 63 Resp: 176268

Ion Ratio Lower Upper

63 100

65 34.2 22.7 42.1

83 13.6 9.2 17.0



#21

2-Butanone

Concen: 52.152 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.006 min

Lab File: VU051815.D

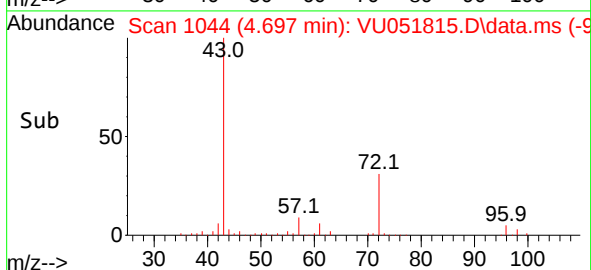
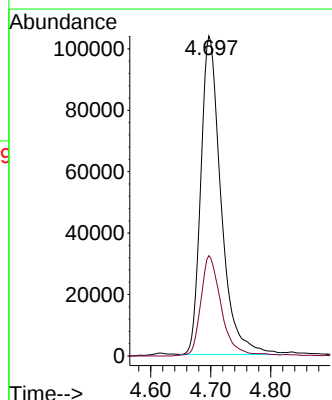
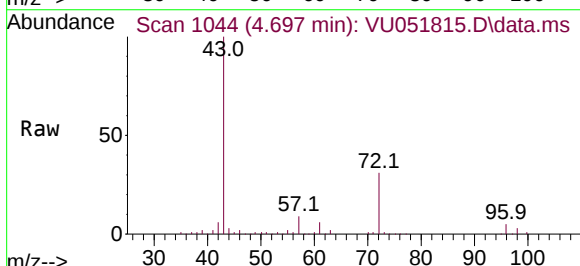
Acq: 11 Nov 2022 09:31

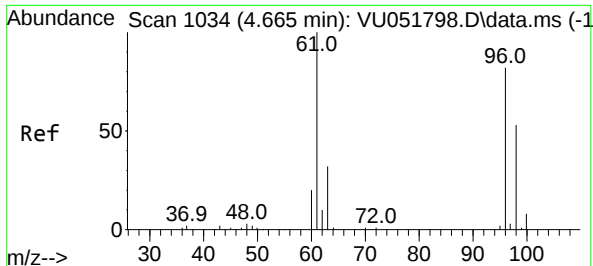
Tgt Ion: 43 Resp: 243420

Ion Ratio Lower Upper

43 100

72 32.1 16.2 48.5

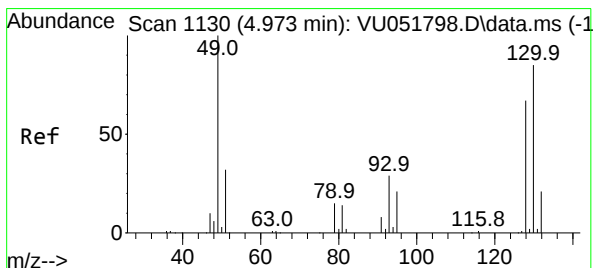
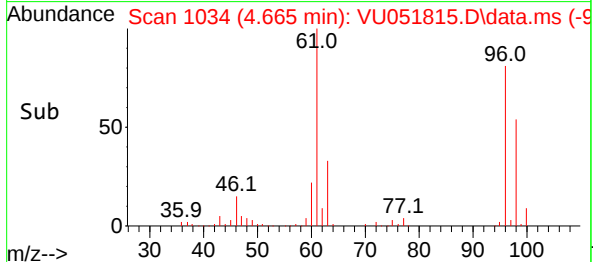
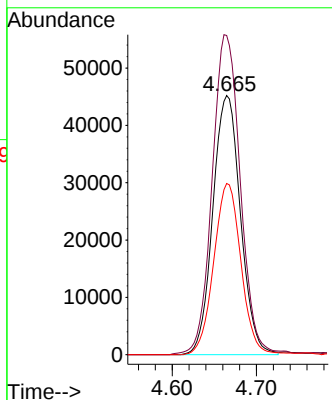
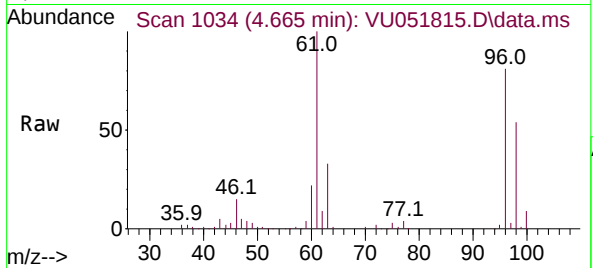




#22
 cis-1,2-Dichloroethene
 Concen: 4.634 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU051815.D
 Acq: 11 Nov 2022 09:31

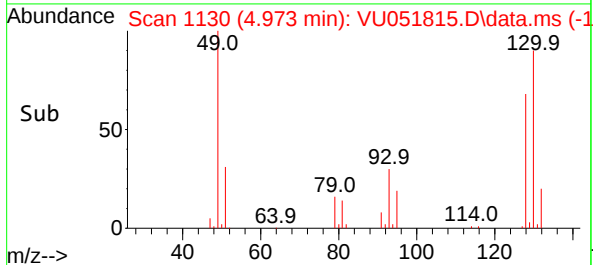
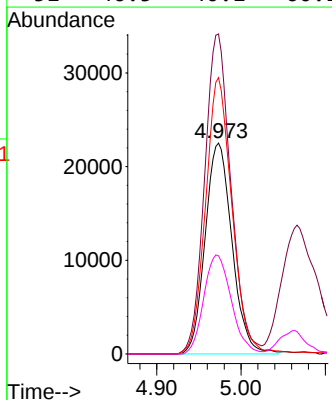
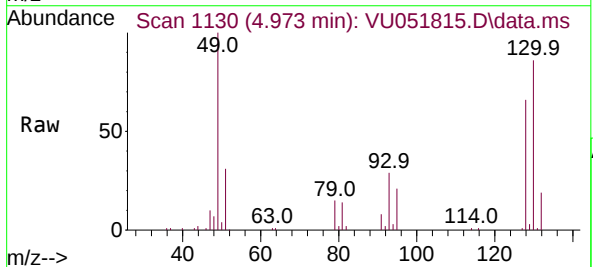
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

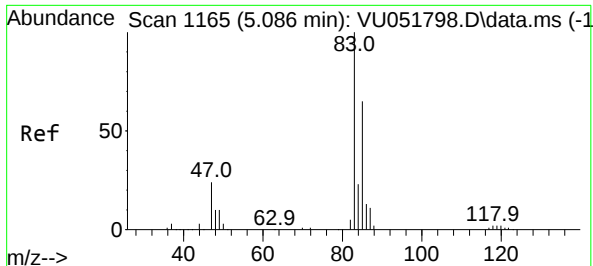
Tgt Ion: 96 Resp: 103030
 Ion Ratio Lower Upper
 96 100
 61 123.2 86.4 160.4
 98 66.0 44.2 82.2



#23
 Bromochloromethane
 Concen: 4.788 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU051815.D
 Acq: 11 Nov 2022 09:31

Tgt Ion:128 Resp: 49771
 Ion Ratio Lower Upper
 128 100
 49 151.7 105.5 195.9
 130 131.1 93.5 173.7
 51 46.5 40.1 60.1





#25

Chloroform

Concen: 4.978 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

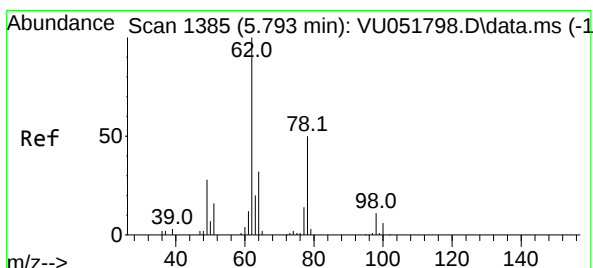
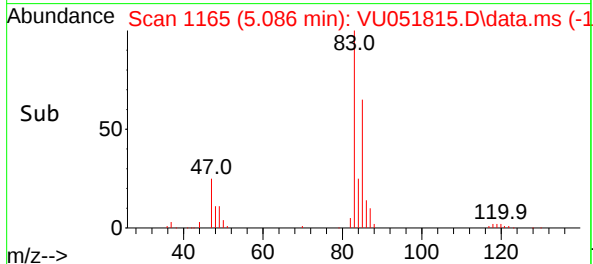
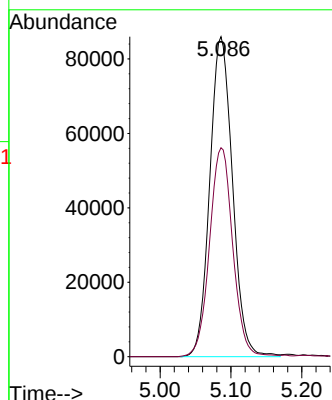
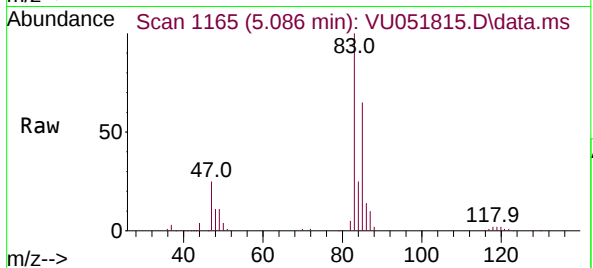
VSTD005198

Tgt Ion: 83 Resp: 191392

Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0



#27

1,2-Dichloroethane

Concen: 4.862 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051815.D

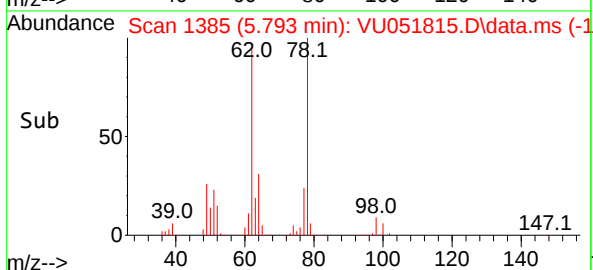
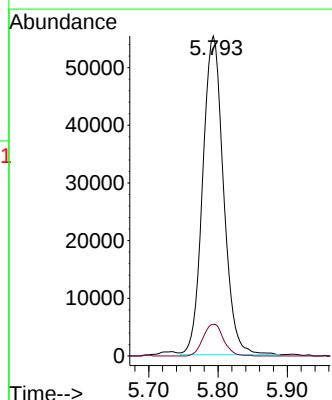
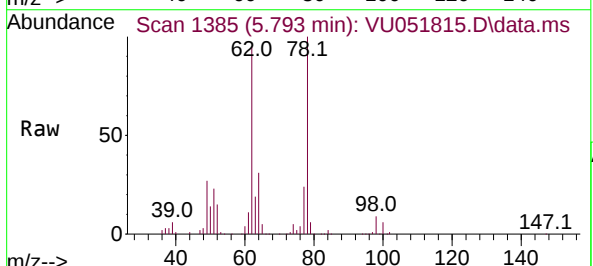
Acq: 11 Nov 2022 09:31

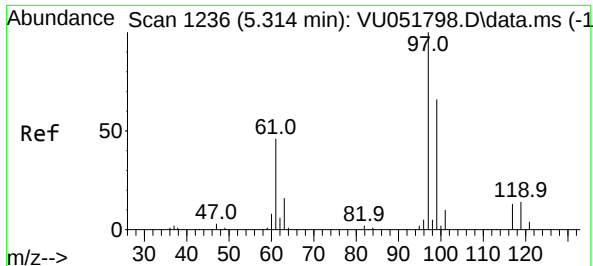
Tgt Ion: 62 Resp: 115032

Ion Ratio Lower Upper

62 100

98 9.9 7.4 11.0

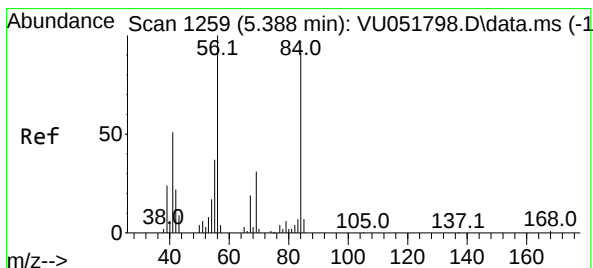
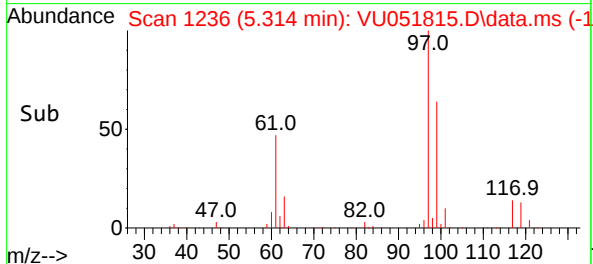
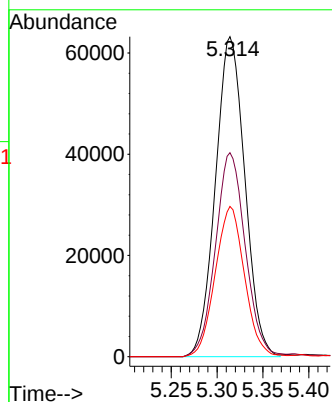
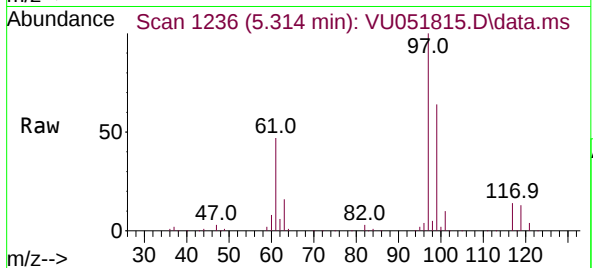




#29
1,1,1-Trichloroethane
Concen: 4.800 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

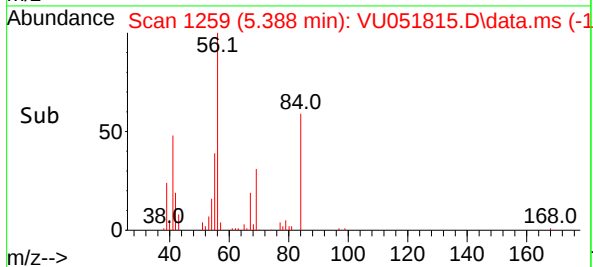
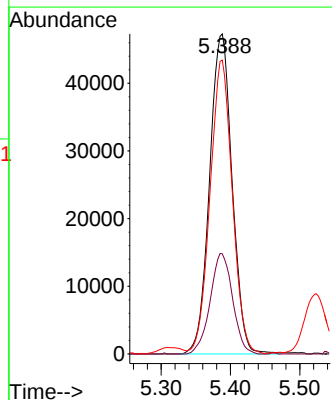
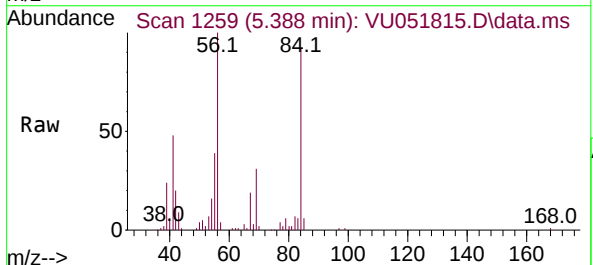
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

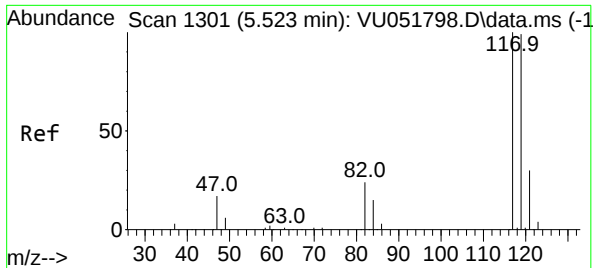
Tgt Ion: 97 Resp: 141173
Ion Ratio Lower Upper
97 100
99 64.7 51.1 76.7
61 46.7 37.4 56.0



#30
Cyclohexane
Concen: 3.945 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion: 56 Resp: 106847
Ion Ratio Lower Upper
56 100
69 31.2 25.4 38.0
84 90.6 71.4 107.0

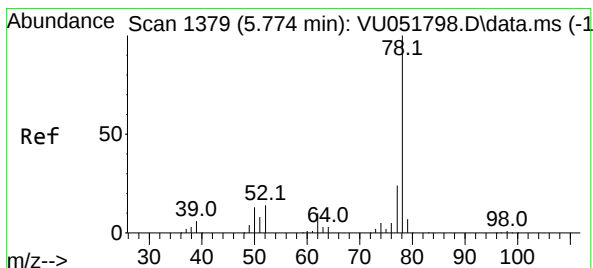
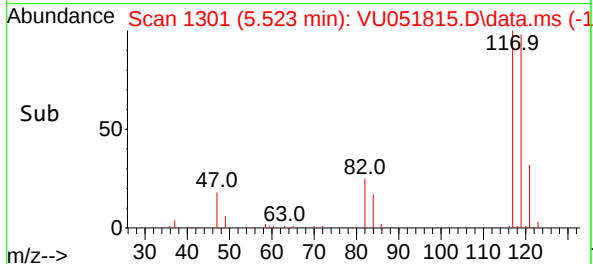
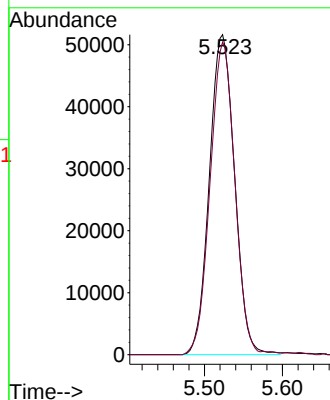
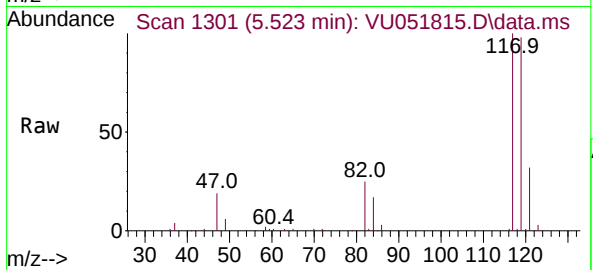




#31
Carbon tetrachloride
Concen: 4.610 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

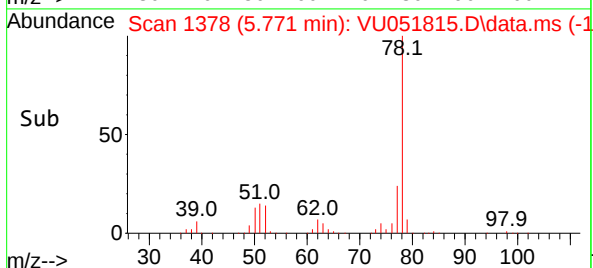
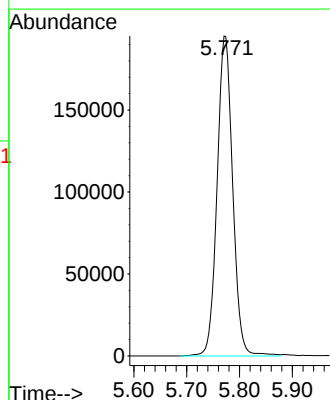
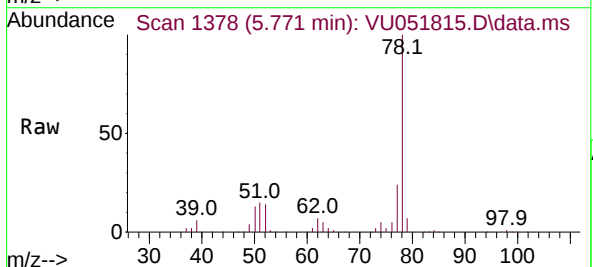
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

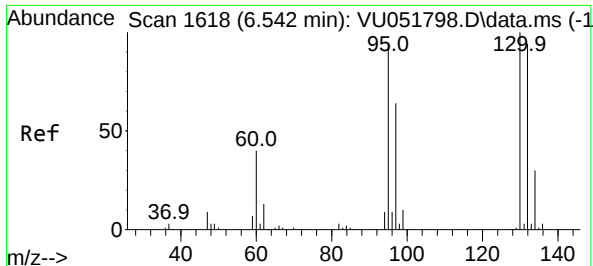
Tgt Ion:117 Resp: 115967
Ion Ratio Lower Upper
117 100
119 96.3 77.5 116.3



#33
Benzene
Concen: 4.687 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion: 78 Resp: 400718



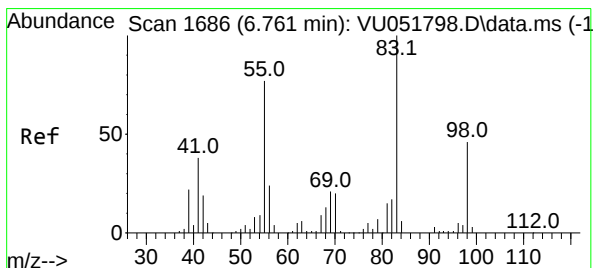
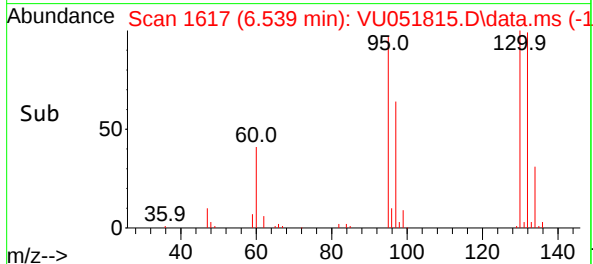
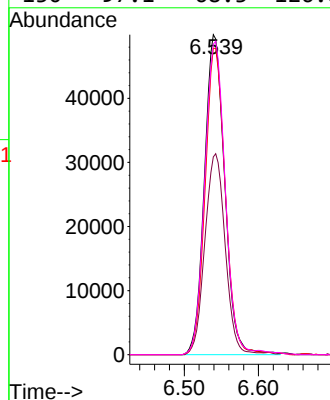
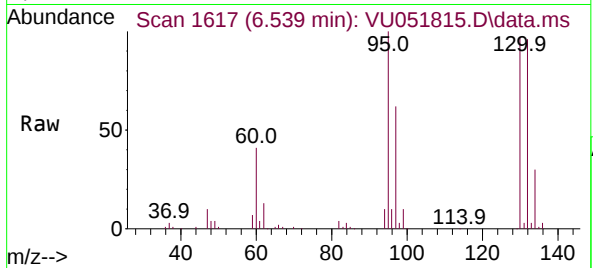


#34
Trichloroethene
Concen: 4.582 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

Tgt Ion: 95 Resp: 94534

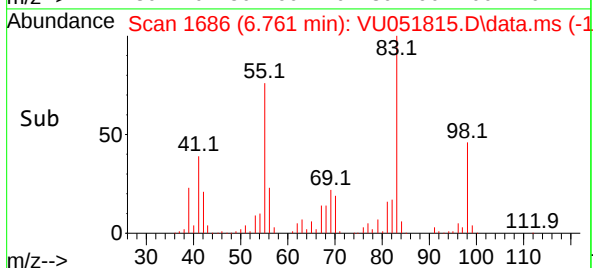
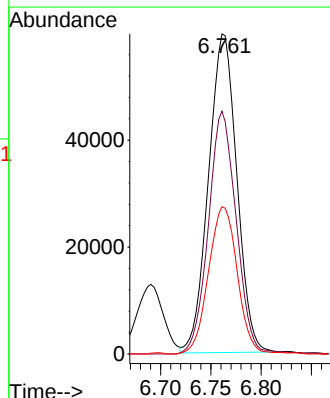
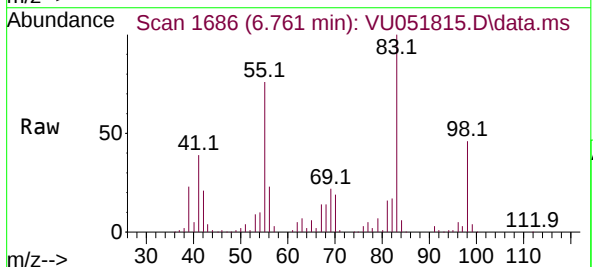
Ion	Ratio	Lower	Upper
95	100		
97	61.8	45.2	84.0
132	95.8	66.5	123.5
130	97.1	68.3	126.8

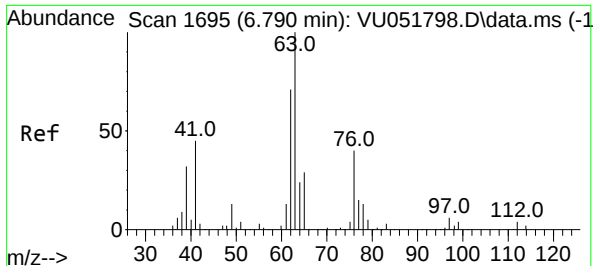


#35
Methylcyclohexane
Concen: 4.097 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion: 83 Resp: 116859

Ion	Ratio	Lower	Upper
83	100		
55	75.0	60.6	90.8
98	47.1	35.8	53.6





#37

1,2-Dichloropropane

Concen: 5.005 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

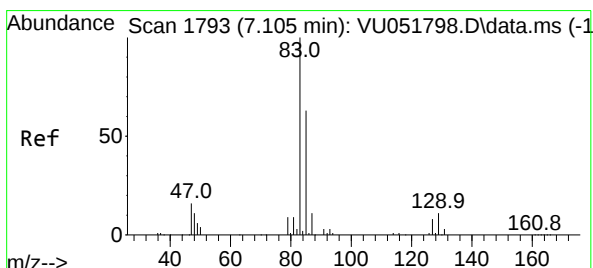
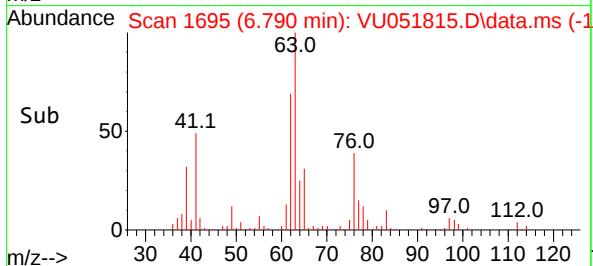
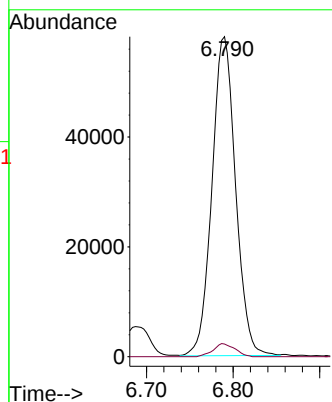
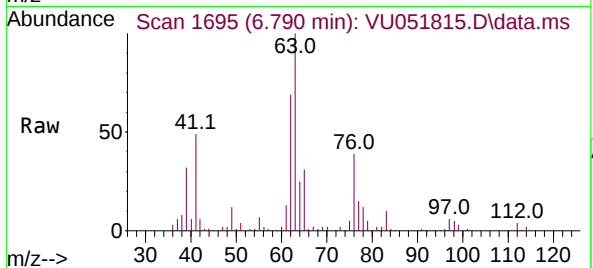
VSTD005198

Tgt Ion: 63 Resp: 110049

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 5.216 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

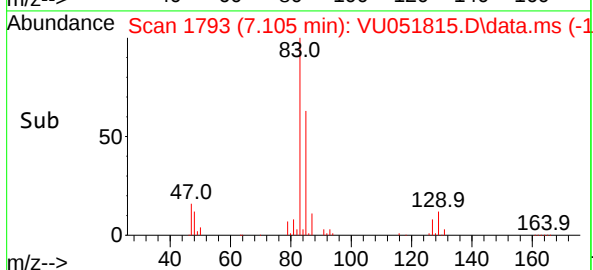
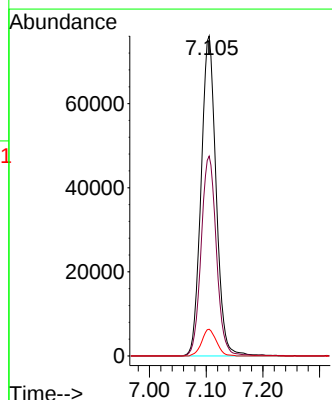
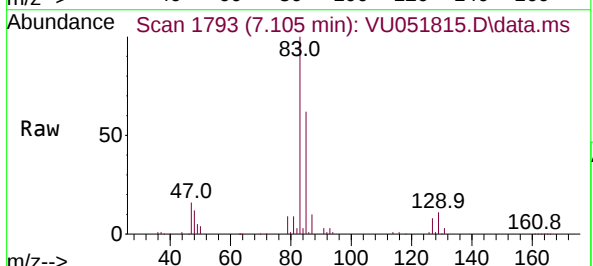
Tgt Ion: 83 Resp: 140097

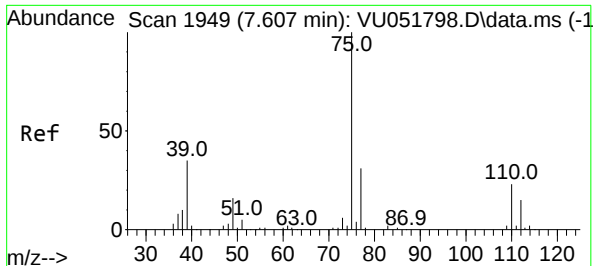
Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7

127 8.3 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.035 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

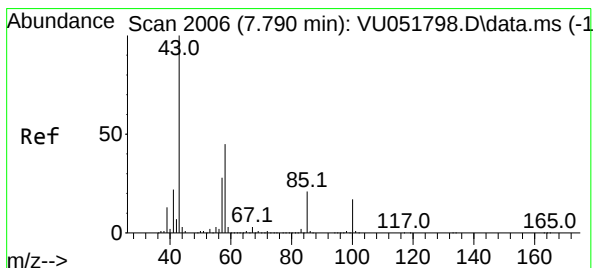
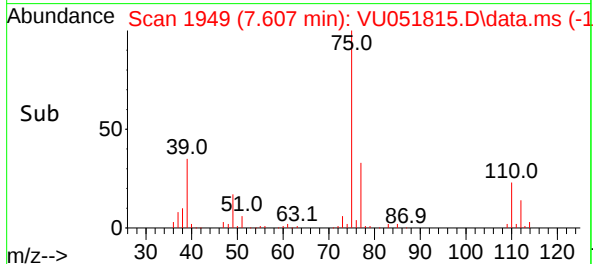
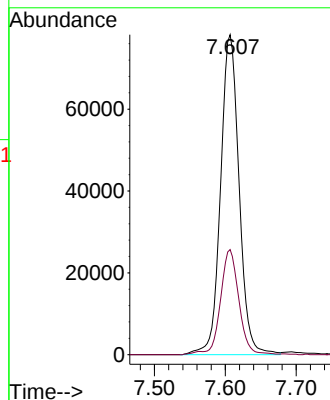
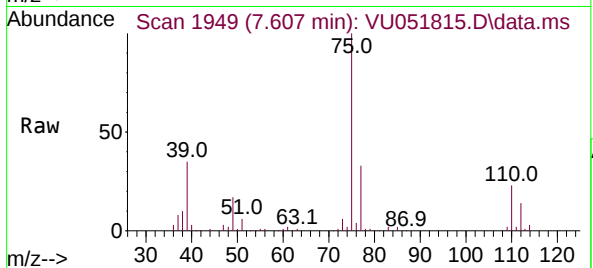
VSTD005198

Tgt Ion: 75 Resp: 142024

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 54.217 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

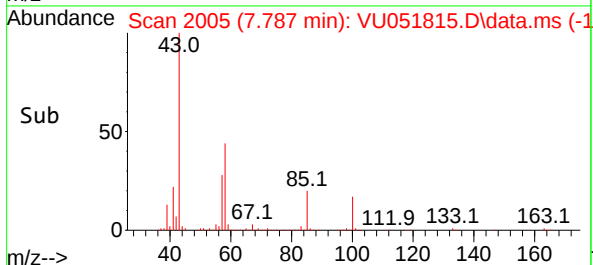
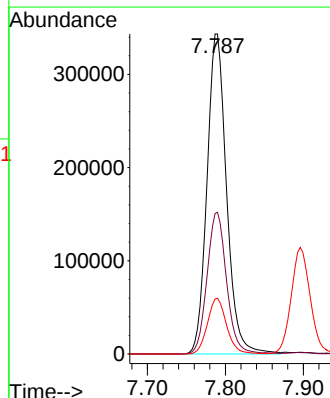
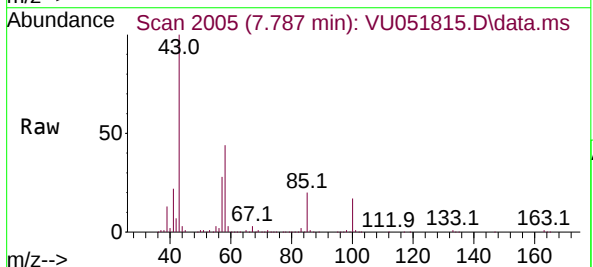
Tgt Ion: 43 Resp: 597939

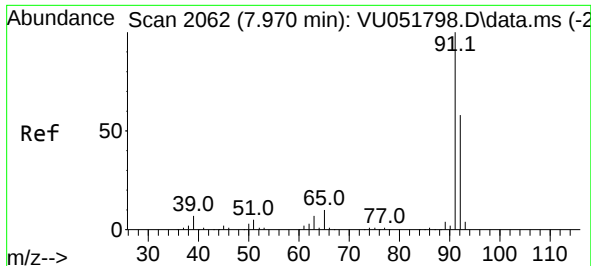
Ion Ratio Lower Upper

43 100

58 44.3 35.0 52.6

100 17.1 13.4 20.0





#42

Toluene

Concen: 4.926 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

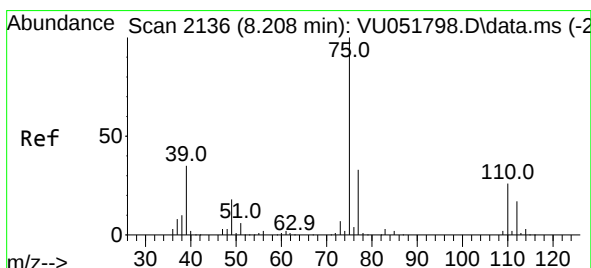
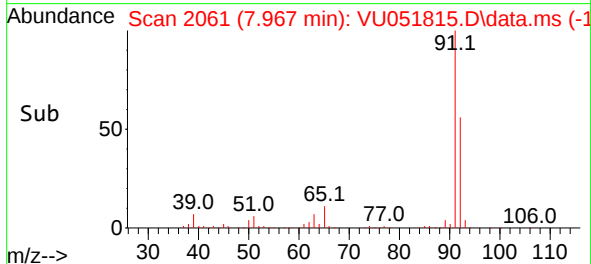
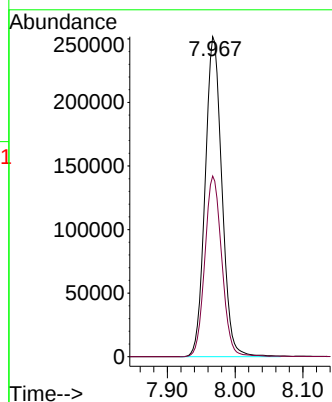
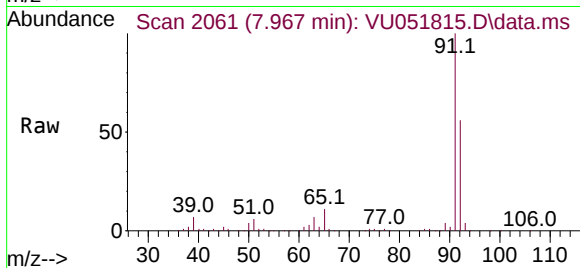
VSTD005198

Tgt Ion: 91 Resp: 432475

Ion Ratio Lower Upper

91 100

92 56.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.319 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051815.D

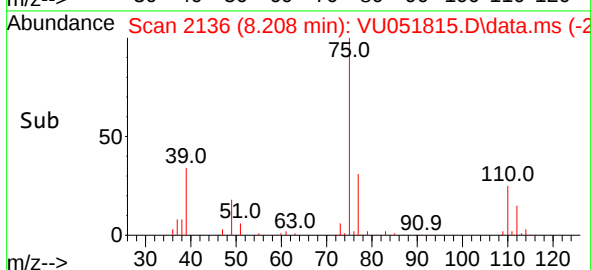
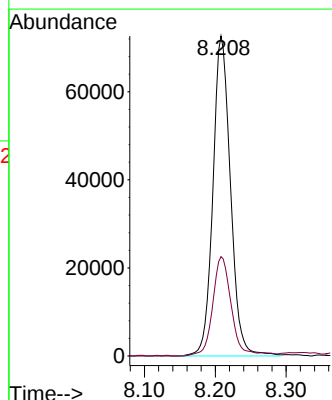
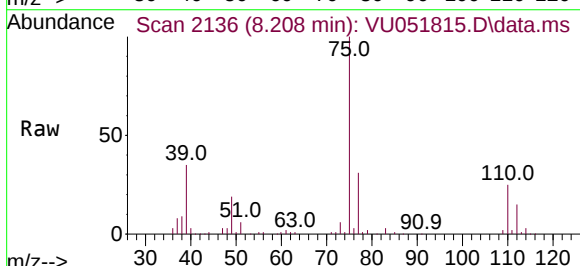
Acq: 11 Nov 2022 09:31

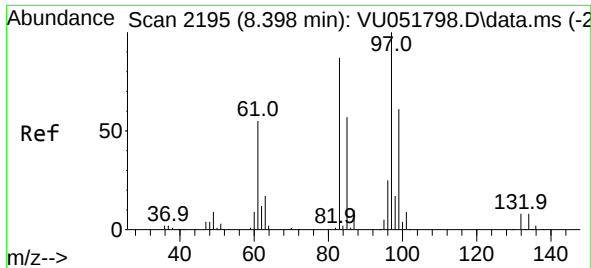
Tgt Ion: 75 Resp: 125389

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6

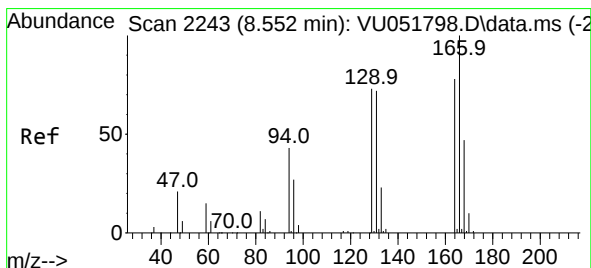
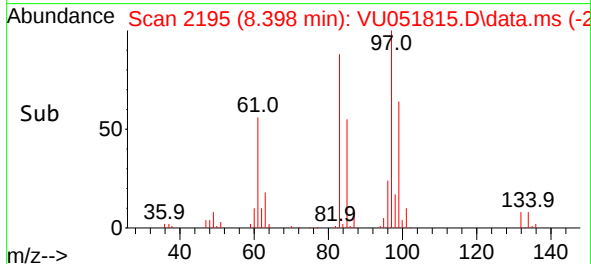
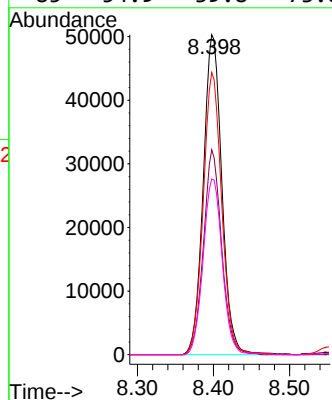
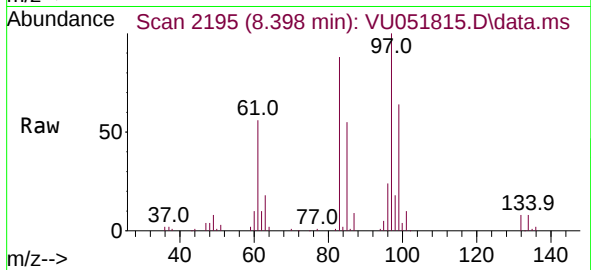




#45
1,1,2-Trichloroethane
Concen: 5.308 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

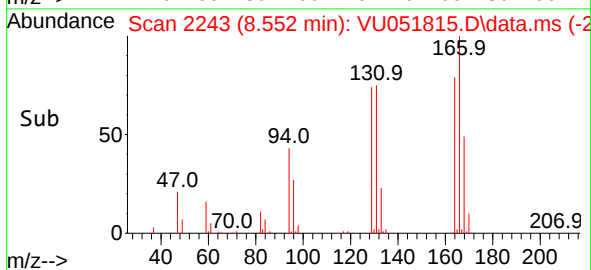
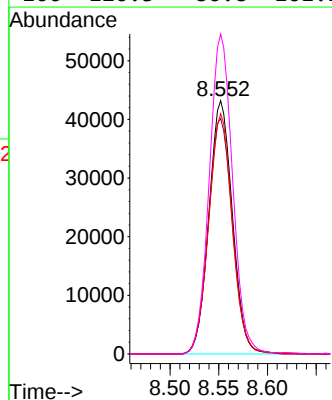
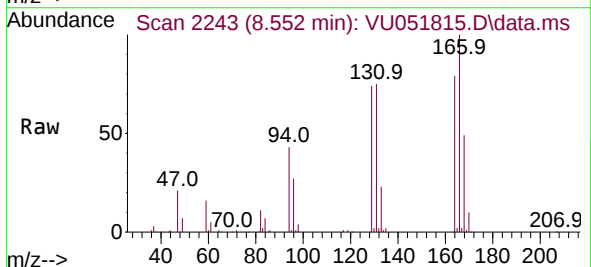
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

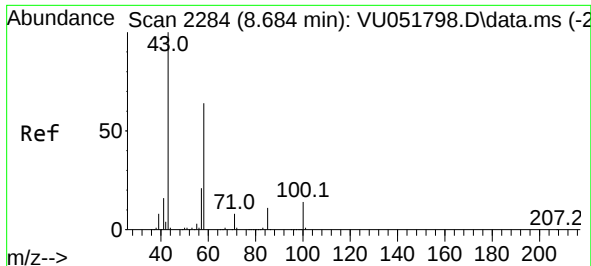
Tgt Ion:	97	Resp:	85523
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.4	80.6
83	88.2	61.3	113.9
85	54.9	39.8	73.8



#47
Tetrachloroethene
Concen: 4.592 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion:	164	Resp:	72548
Ion	Ratio	Lower	Upper
164	100		
129	93.0	64.0	118.8
131	94.9	60.7	112.7
166	126.3	86.8	161.2

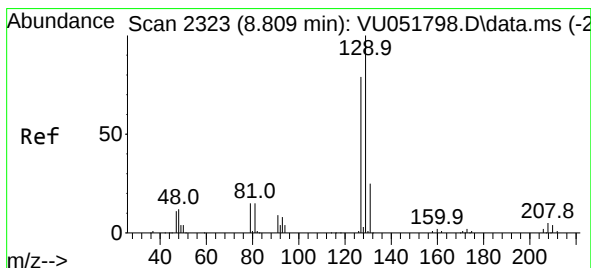
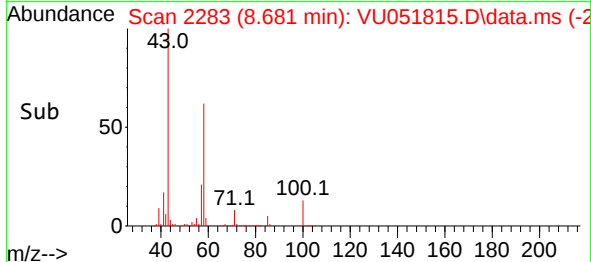
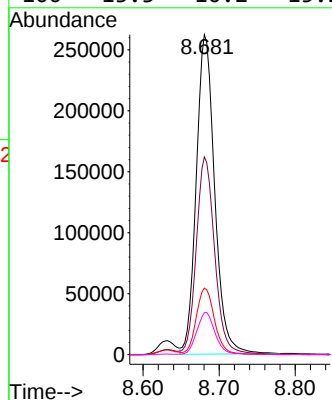
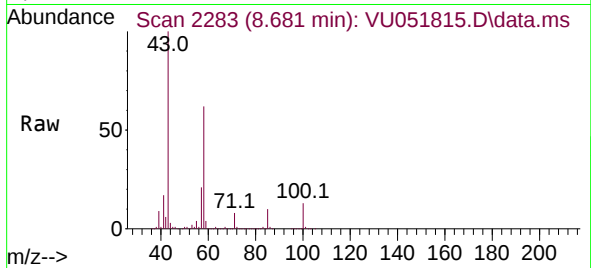




#48
2-Hexanone
Concen: 54.139 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

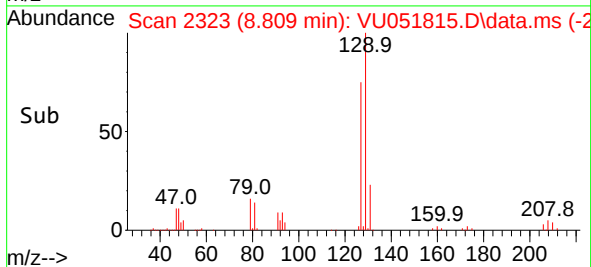
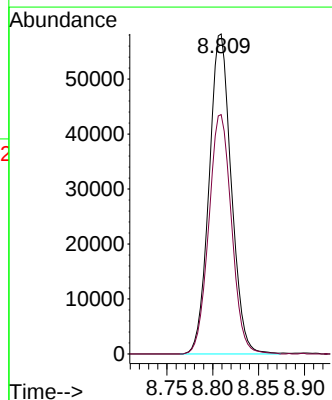
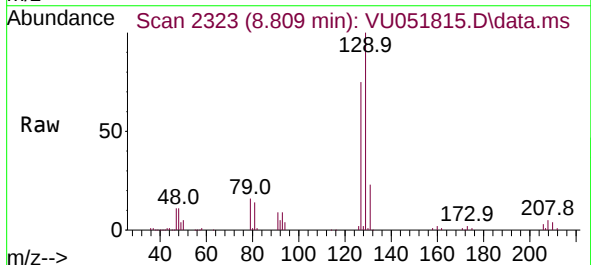
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

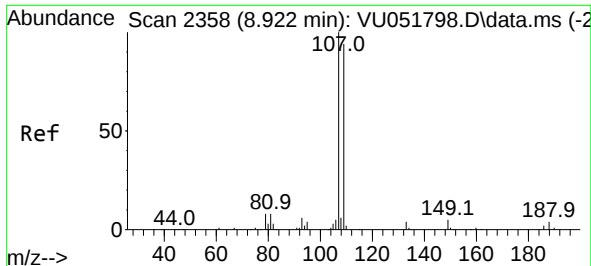
Tgt Ion: 43 Resp: 441959
Ion Ratio Lower Upper
43 100
58 61.8 48.2 72.2
57 20.7 16.6 25.0
100 13.3 10.2 15.2



#49
Dibromochloromethane
Concen: 5.320 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion: 129 Resp: 97927
Ion Ratio Lower Upper
129 100
127 74.8 54.8 101.8





#50

1,2-Dibromoethane

Concen: 5.153 ug/L

RT: 8.922 min Scan# 2358

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

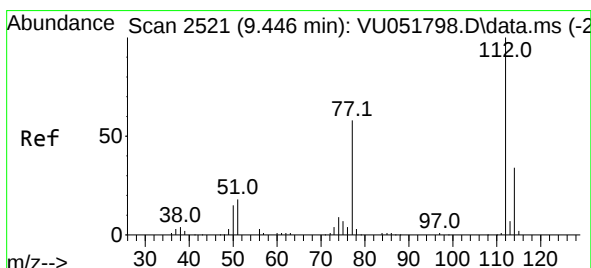
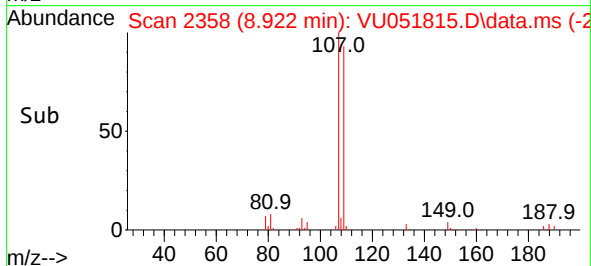
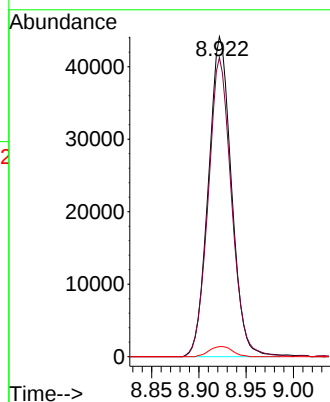
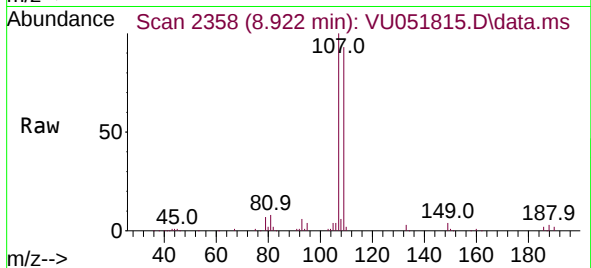
Tgt Ion:107 Resp: 74904

Ion Ratio Lower Upper

107 100

109 93.5 63.0 117.0

188 3.2 3.0 4.4



#51

Chlorobenzene

Concen: 4.995 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

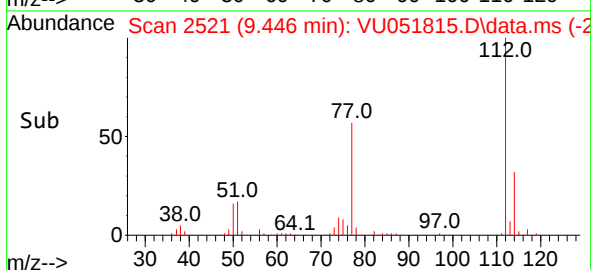
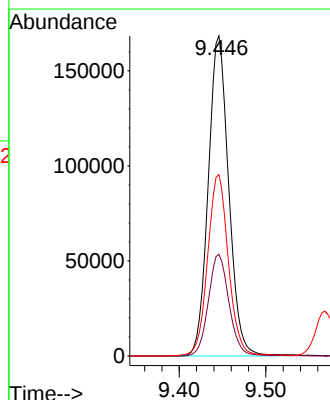
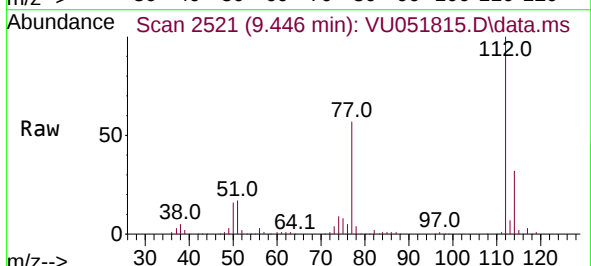
Tgt Ion:112 Resp: 276024

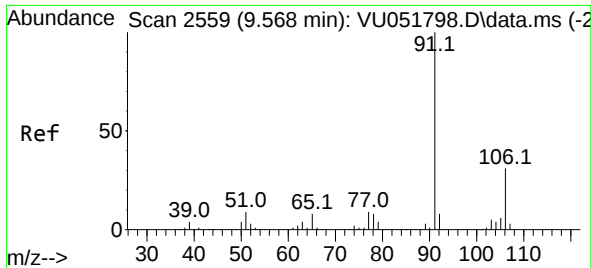
Ion Ratio Lower Upper

112 100

114 31.8 22.0 40.8

77 56.7 46.7 70.1

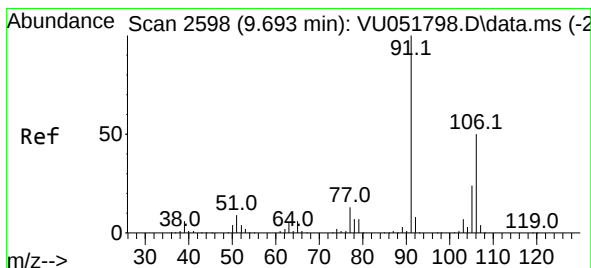
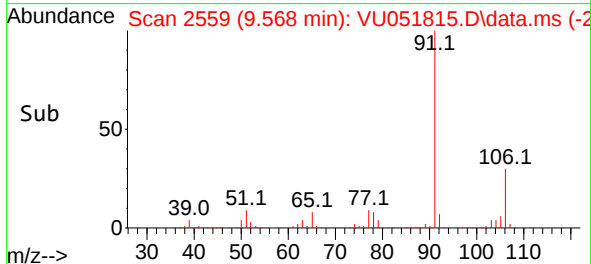
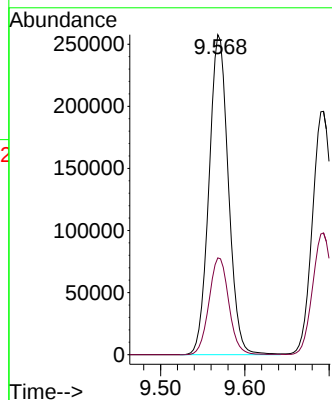
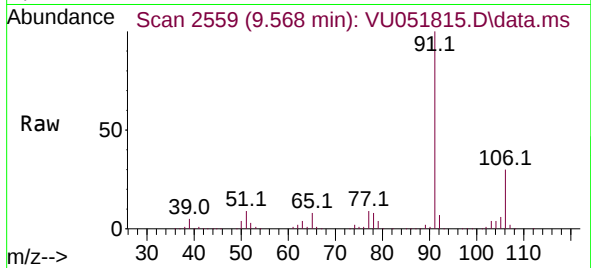




#52
Ethylbenzene
Concen: 4.864 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

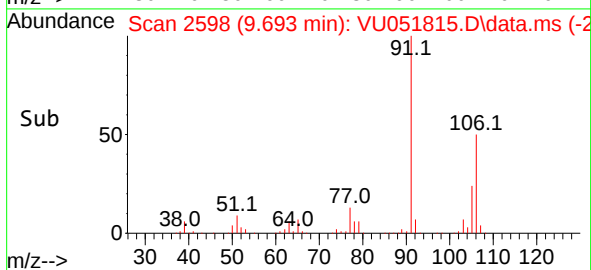
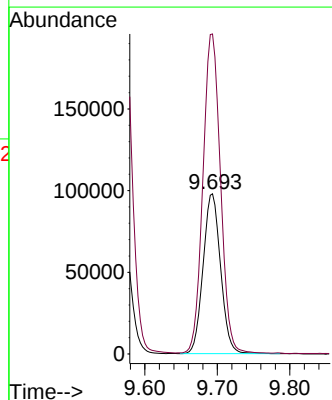
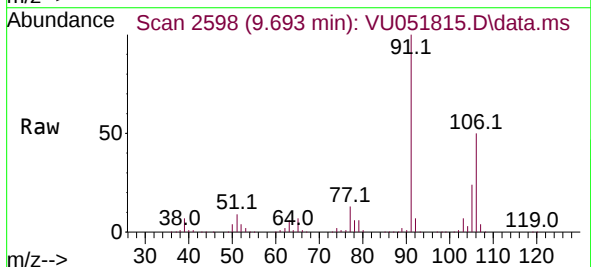
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

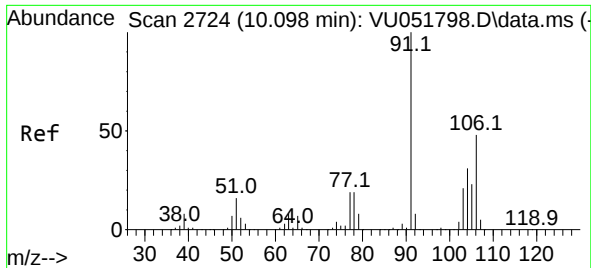
Tgt Ion: 91 Resp: 412035
Ion Ratio Lower Upper
91 100
106 30.2 21.8 40.6



#53
m,p-Xylene
Concen: 4.985 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion:106 Resp: 164029
Ion Ratio Lower Upper
106 100
91 199.7 139.4 259.0

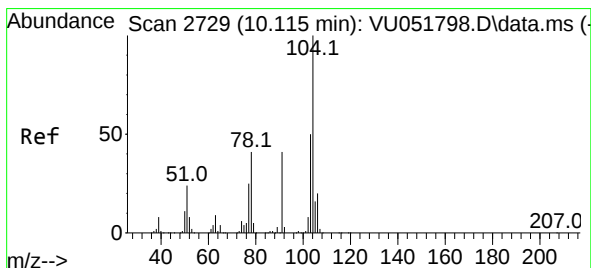
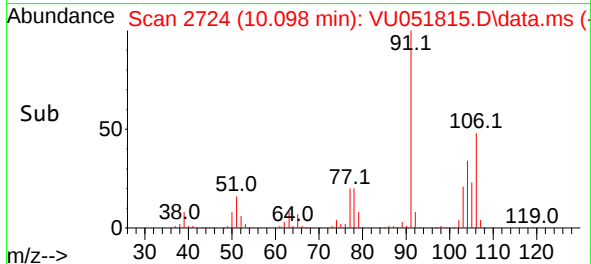
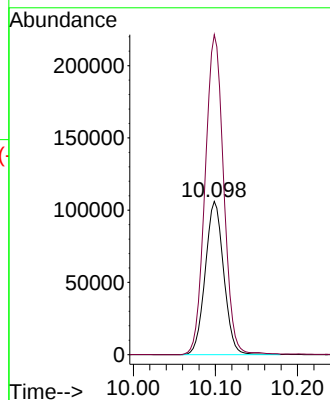
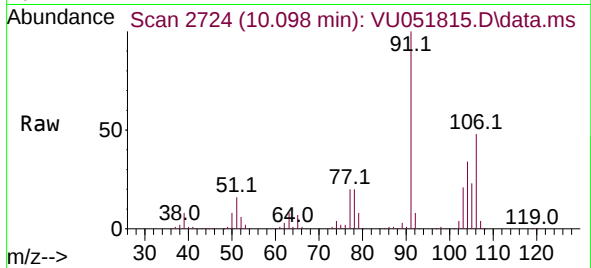




#54
o-Xylene
Concen: 5.162 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

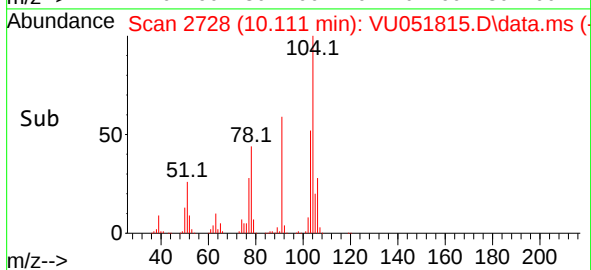
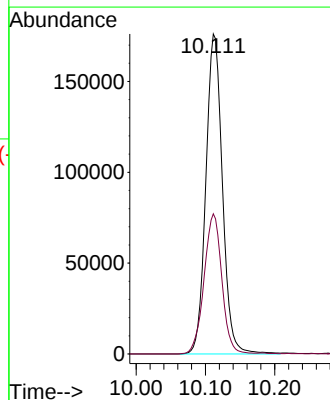
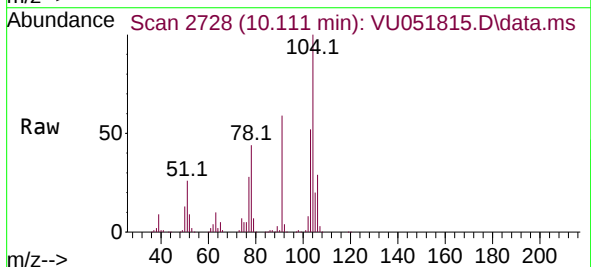
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

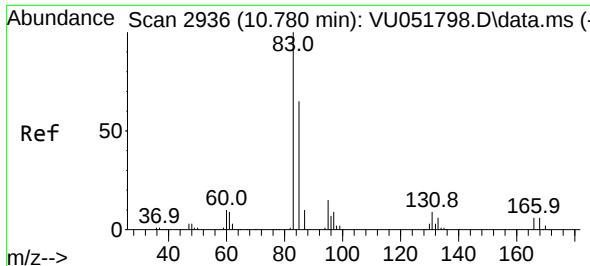
Tgt Ion:106 Resp: 166000
Ion Ratio Lower Upper
106 100
91 208.8 149.2 277.2



#55
Styrene
Concen: 5.440 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion:104 Resp: 292439
Ion Ratio Lower Upper
104 100
78 43.8 31.8 59.0

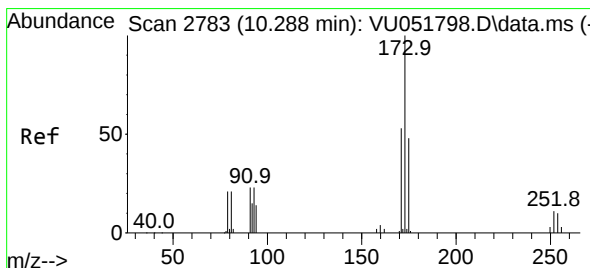
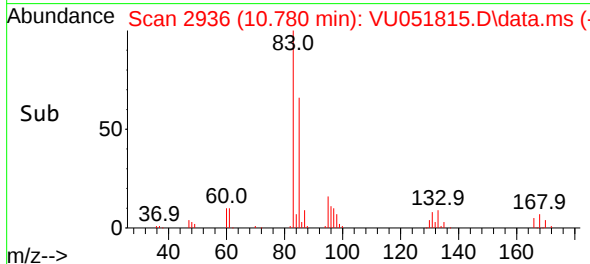
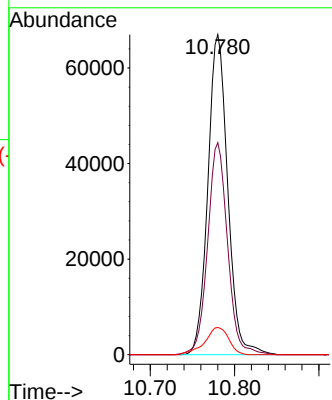
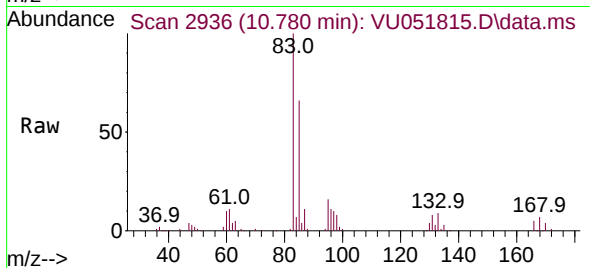




#57
1,1,2,2-Tetrachloroethane
Concen: 5.497 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

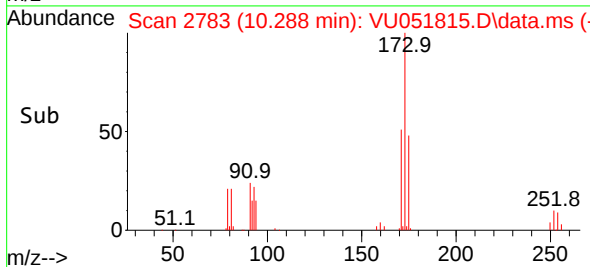
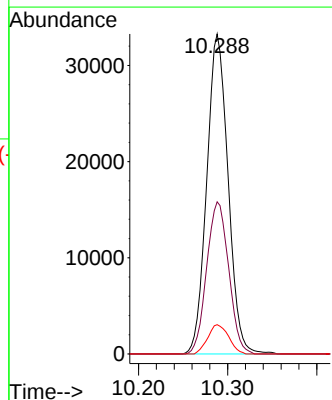
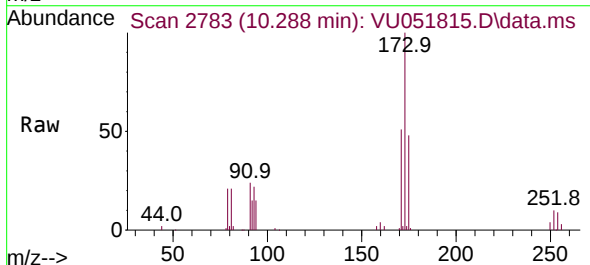
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

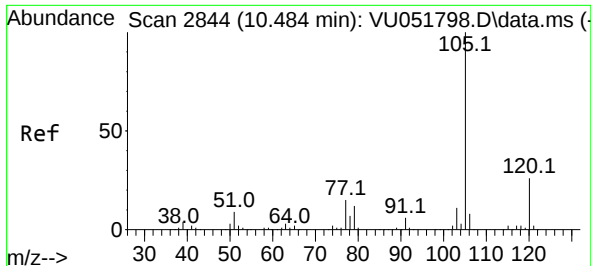
Tgt Ion: 83 Resp: 109831
Ion Ratio Lower Upper
83 100
85 66.2 44.9 83.5
131 8.5 7.8 11.8



#59
Bromoform
Concen: 5.492 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion:173 Resp: 55299
Ion Ratio Lower Upper
173 100
175 49.0 38.7 58.1
254 9.0 7.3 10.9

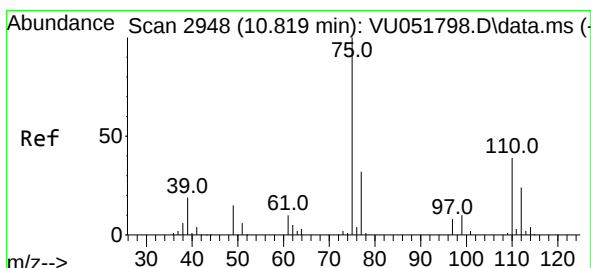
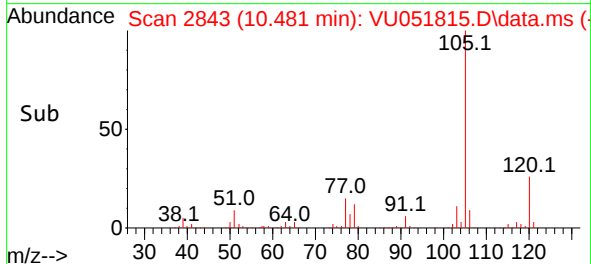
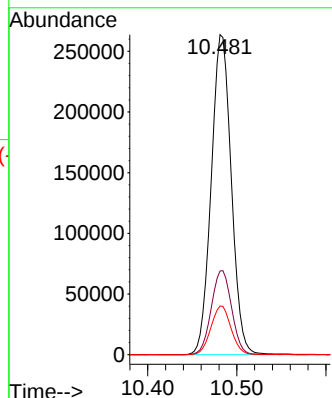
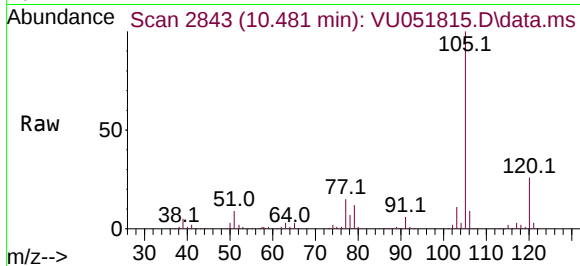




#60
Isopropylbenzene
Concen: 5.177 ug/L
RT: 10.481 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

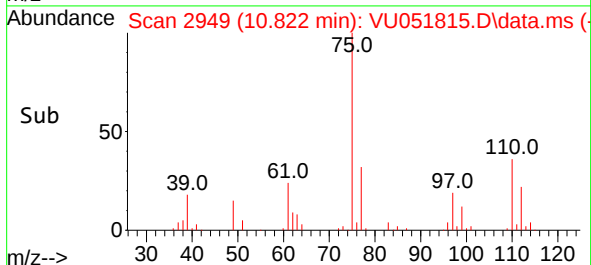
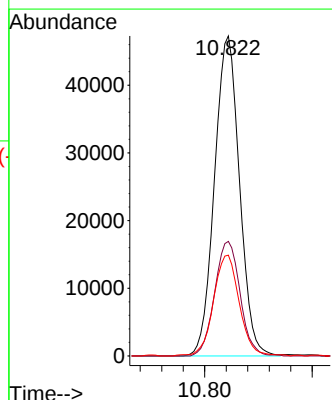
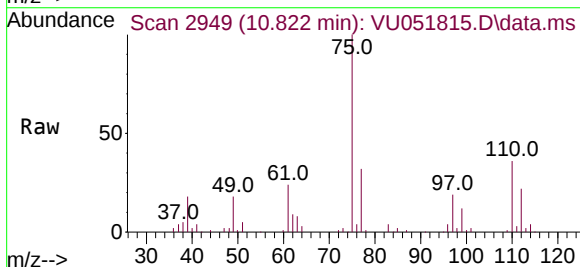
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

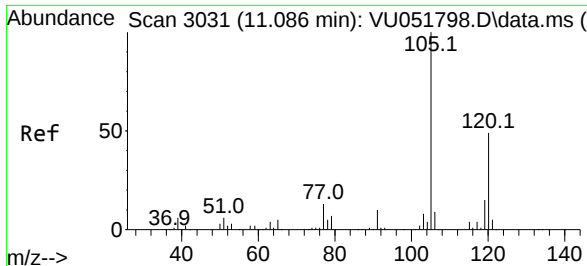
Tgt Ion:105 Resp: 411833
Ion Ratio Lower Upper
105 100
120 26.7 20.9 31.3
77 15.4 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 5.414 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion: 75 Resp: 76291
Ion Ratio Lower Upper
75 100
110 36.4 28.7 43.1
77 32.6 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 4.975 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

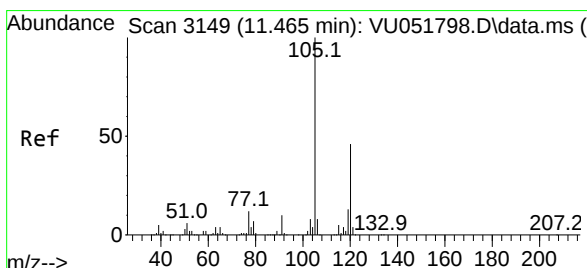
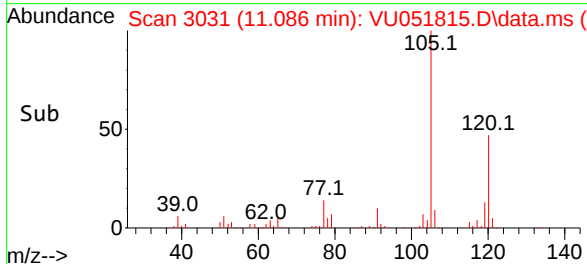
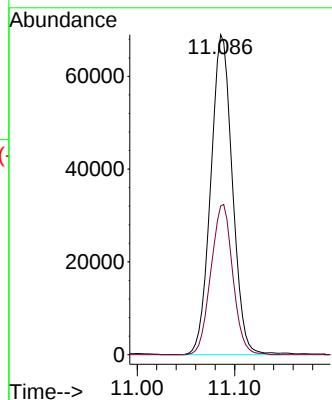
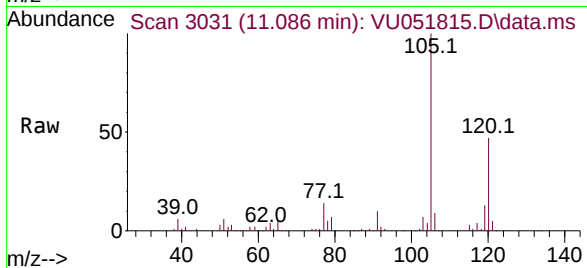
VSTD005198

Tgt Ion:105 Resp: 106533

Ion Ratio Lower Upper

105 100

120 47.3 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 5.029 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU051815.D

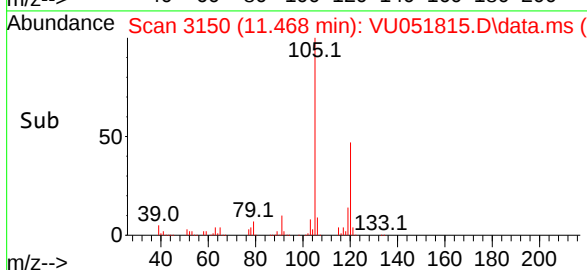
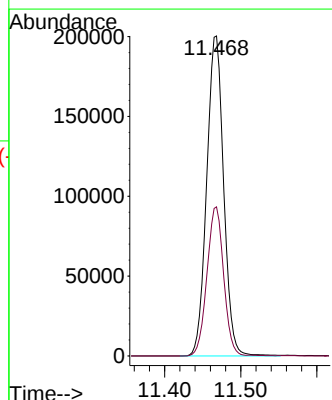
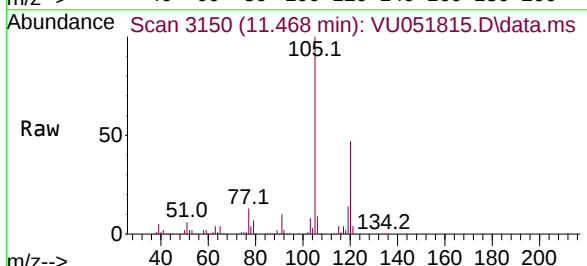
Acq: 11 Nov 2022 09:31

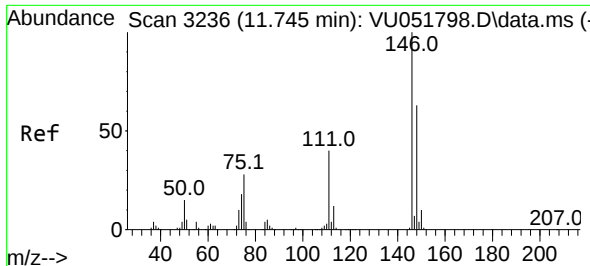
Tgt Ion:105 Resp: 310539

Ion Ratio Lower Upper

105 100

120 46.0 35.8 53.6

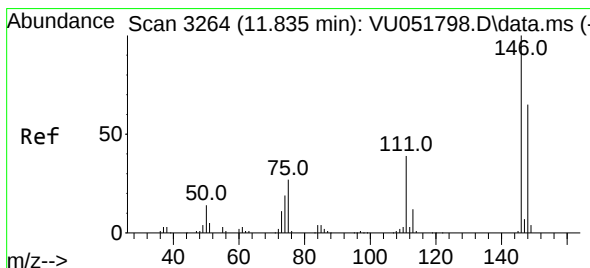
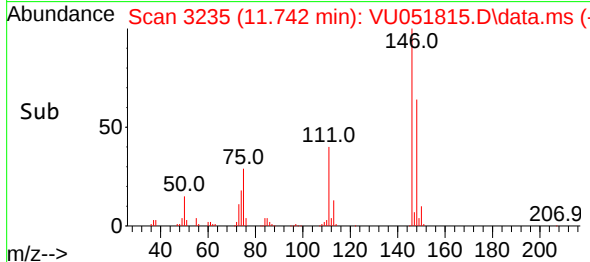
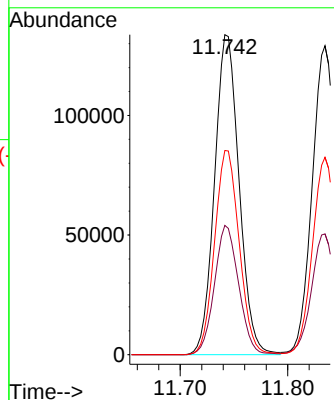
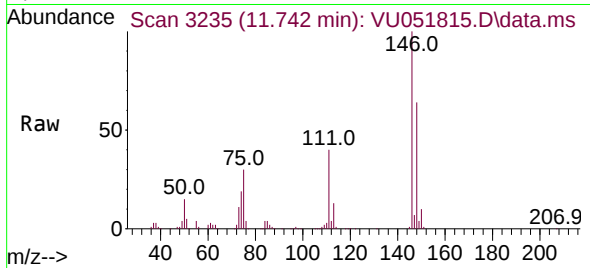




#64
 1,3-Dichlorobenzene
 Concen: 5.356 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU051815.D
 Acq: 11 Nov 2022 09:31

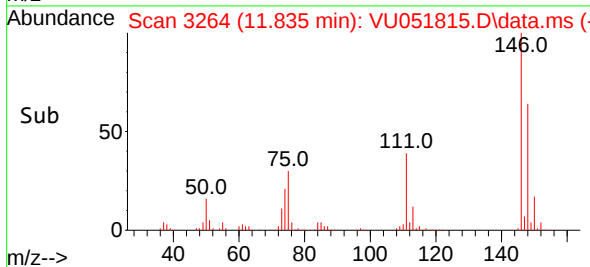
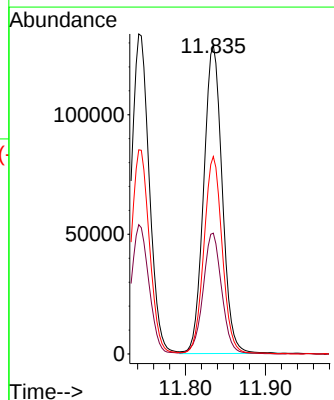
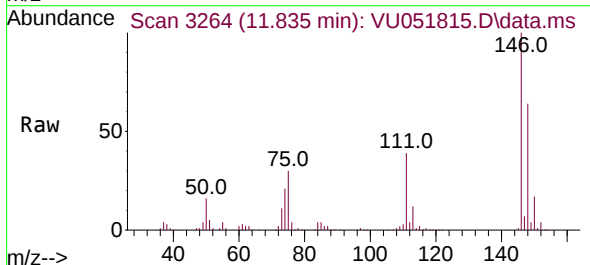
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

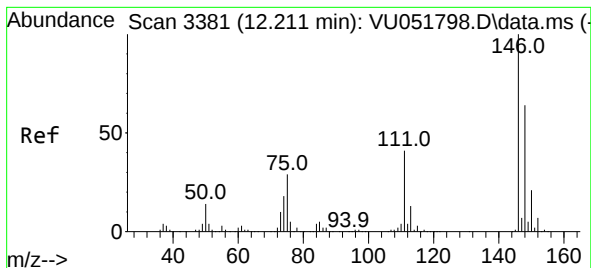
Tgt Ion:146 Resp: 212111
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.6 53.2
 148 63.8 44.7 82.9



#65
 1,4-Dichlorobenzene
 Concen: 5.232 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU051815.D
 Acq: 11 Nov 2022 09:31

Tgt Ion:146 Resp: 207739
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.7 49.5
 148 63.9 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 5.431 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

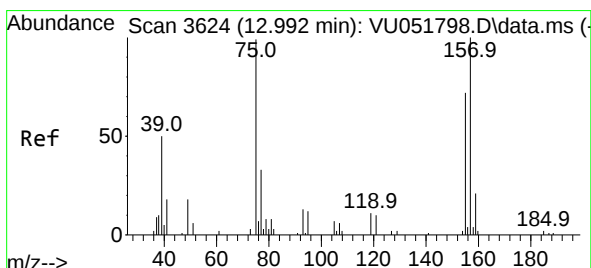
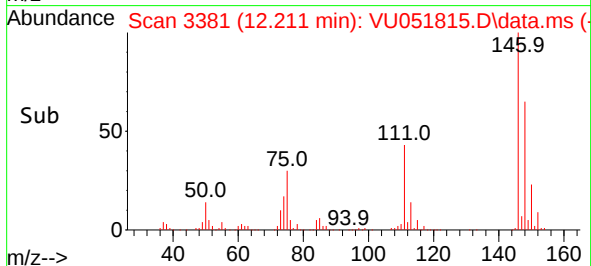
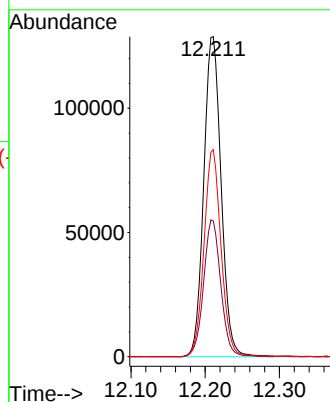
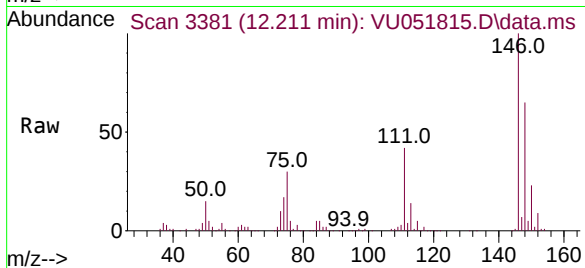
Tgt Ion:146 Resp: 209517

Ion Ratio Lower Upper

146 100

111 42.4 34.2 51.2

148 64.7 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.485 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051815.D

Acq: 11 Nov 2022 09:31

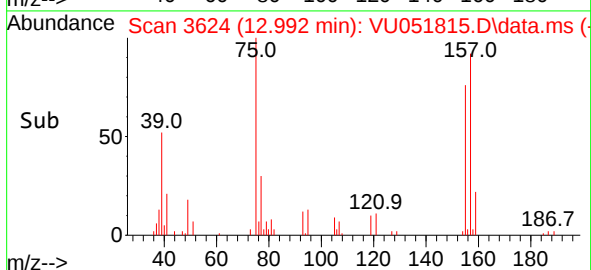
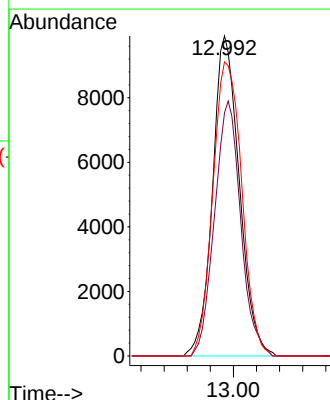
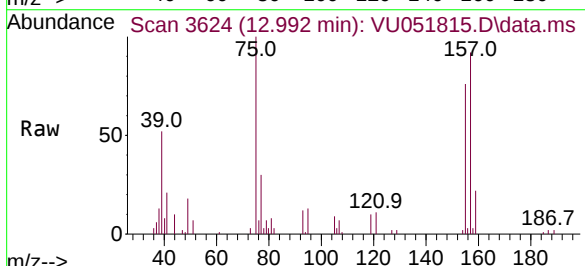
Tgt Ion: 75 Resp: 15915

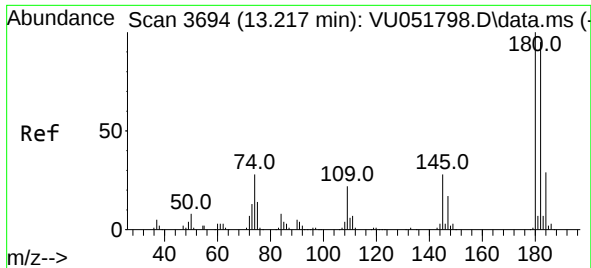
Ion Ratio Lower Upper

75 100

155 76.0 61.4 92.2

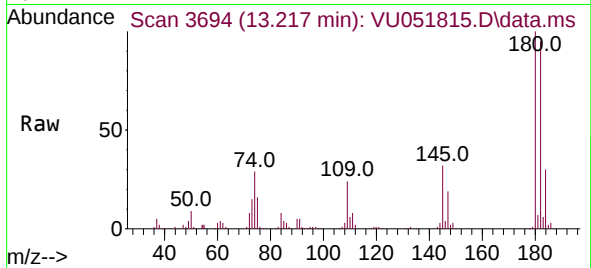
157 91.9 86.7 130.1



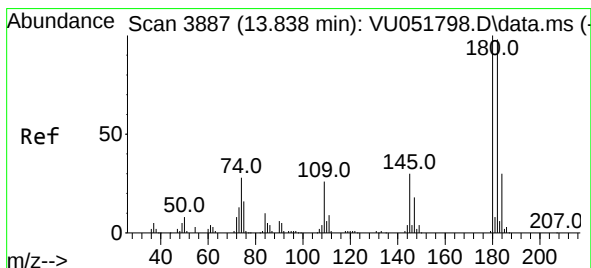
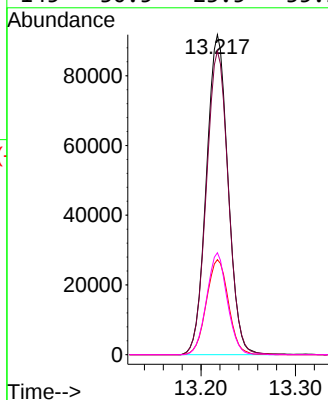
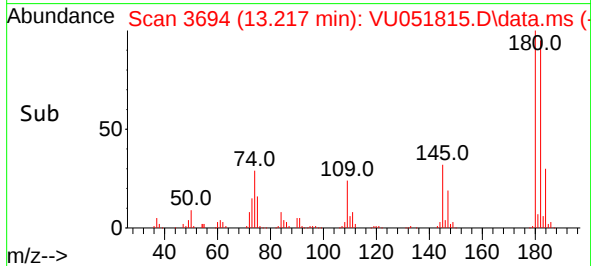


#69
 1,3,5-Trichlorobenzene
 Concen: 5.168 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051815.D
 Acq: 11 Nov 2022 09:31

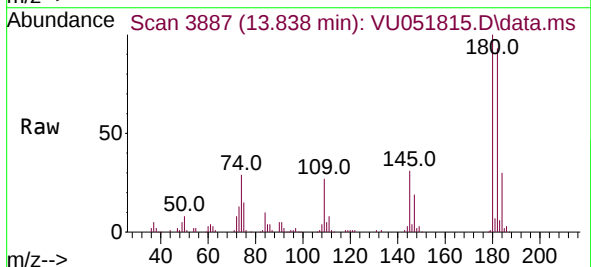
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198



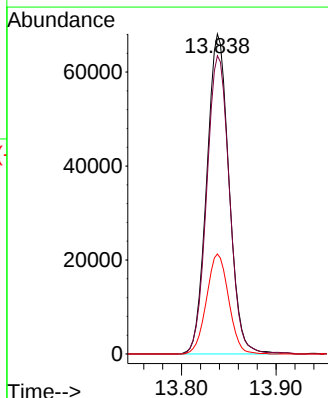
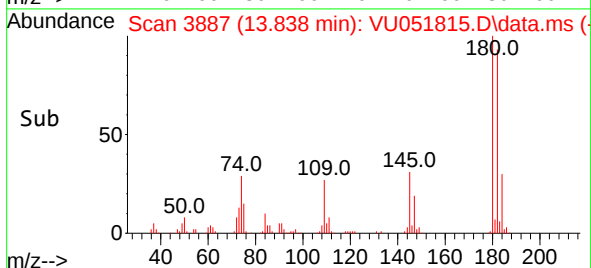
Tgt Ion:	180	Resp:	145890
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.0	115.6
184	30.3	23.7	35.5
145	30.5	23.5	35.3

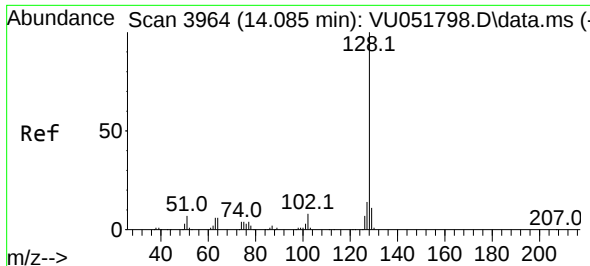


#70
 1,2,4-trichlorobenzene
 Concen: 5.136 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051815.D
 Acq: 11 Nov 2022 09:31



Tgt Ion:	180	Resp:	111300
Ion Ratio	Lower	Upper	
180	100		
182	94.7	77.8	116.6
145	31.1	25.0	37.6

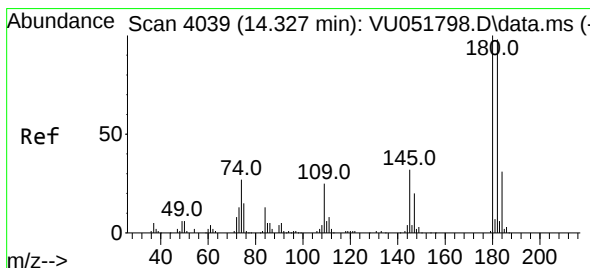
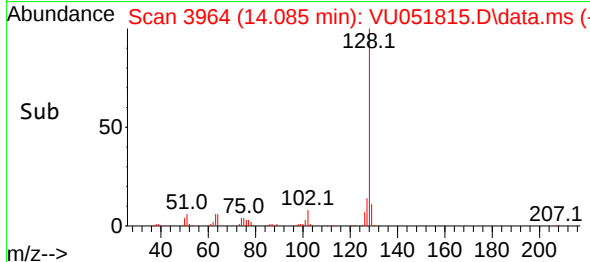
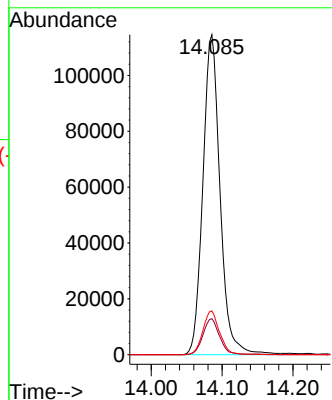
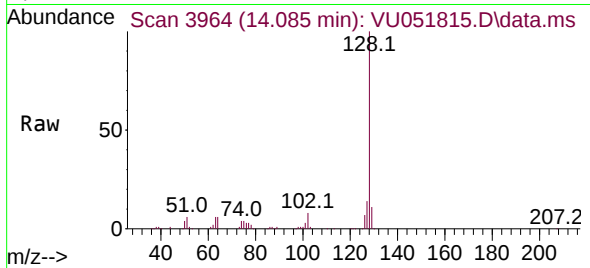




#71
Naphthalene
Concen: 4.774 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

Tgt Ion:128 Resp: 193136
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 13.3 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.046 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051815.D
Acq: 11 Nov 2022 09:31

Tgt Ion:180 Resp: 110424
Ion Ratio Lower Upper
180 100
182 97.9 76.1 114.1
145 32.6 25.6 38.4

