

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052507.D
 Acq On : 22 Dec 2022 21:18
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005114

Quant Time: Dec 23 06:06:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 22 00:28:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	189883	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	182812	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	95072	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	82145	4.270	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.400%
7) Chloroethane-d5	1.916	69	74937	4.517	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.565	65	35041	4.233	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	4.658	46	337912	56.644	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.280%
24) Chloroform-d	5.060	84	155602	4.794	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.700	65	91078	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.726	84	313196	4.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	6.687	67	108155	5.013	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.896	98	276570	5.256	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
43) trans-1,3-Dichloroprop...	8.176	79	40621	5.498	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.000%
46) 2-Hexanone-d5	8.632	63	250096	61.874	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.740%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	99173	5.414	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.200%
66) 1,2-Dichlorobenzene-d4	12.188	152	96558	4.989	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	72210	4.274	ug/L	99
3) Chloromethane	1.520	50	111120	4.556	ug/L	100
5) Vinyl chloride	1.604	62	102261	4.626	ug/L	95
6) Bromomethane	1.858	94	50799	4.031	ug/L	99
8) Chloroethane	1.935	64	64925	4.288	ug/L	96
9) Trichlorofluoromethane	2.141	101	108378	4.336	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	62050	4.176	ug/L	98
12) 1,1-Dichloroethene	2.581	96	62996	4.430	ug/L	98
13) Acetone	2.681	43	185189	42.111	ug/L	60
14) Carbon disulfide	2.793	76	206368	4.504	ug/L	100
15) Methyl Acetate	2.964	43	47576	4.911	ug/L	99
16) Methylene chloride	3.044	84	85227	4.243	ug/L	95
17) Methyl tert-butyl Ether	3.362	73	198639	5.232	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	70725	4.826	ug/L	100
19) 1,1-Dichloroethane	3.867	63	153784	4.825	ug/L	99
21) 2-Butanone	4.732	43	341719	52.761	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	77973	4.848	ug/L	93
23) Bromochloromethane	4.973	128	37541	5.036	ug/L	99
25) Chloroform	5.086	83	146268	4.736	ug/L	98

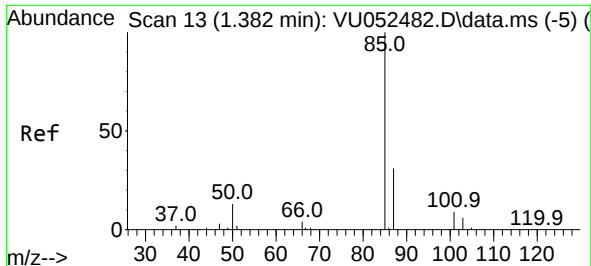
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 Data File : VU052507.D
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 ALS Vial : 28 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005114

Quant Time: Dec 23 06:06:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 22 00:28:27 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	105152	4.928	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	109953	4.779	ug/L	99
30) Cyclohexane	5.385	56	116797	4.697	ug/L	99
31) Carbon tetrachloride	5.520	117	91114	4.506	ug/L	99
33) Benzene	5.771	78	328254	4.985	ug/L	100
34) Trichloroethene	6.539	95	73277	4.760	ug/L	99
35) Methylcyclohexane	6.761	83	103096	4.441	ug/L	98
37) 1,2-Dichloropropane	6.787	63	94548	5.146	ug/L	100
38) Bromodichloromethane	7.102	83	107246	4.796	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	118319	5.084	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	772112	57.504	ug/L	98
42) Toluene	7.967	91	326945	5.178	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	107750	5.254	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	66717	5.127	ug/L	99
47) Tetrachloroethene	8.549	164	51151	4.760	ug/L	100
48) 2-Hexanone	8.684	43	580816	57.386	ug/L	100
49) Dibromochloromethane	8.806	129	71434	5.184	ug/L	99
50) 1,2-Dibromoethane	8.918	107	60966	5.154	ug/L	99
51) Chlorobenzene	9.443	112	201540	4.999	ug/L	99
52) Ethylbenzene	9.568	91	330029	5.051	ug/L	99
53) m,p-Xylene	9.690	106	124790	5.180	ug/L	95
54) o-Xylene	10.095	106	123500	5.347	ug/L	98
55) Styrene	10.111	104	216371	5.385	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	94556	5.256	ug/L	99
59) Bromoform	10.288	173	40167	4.809	ug/L	98
60) Isopropylbenzene	10.481	105	311194	5.050	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	67578	4.956	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	254858	5.015	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	263628	5.153	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	150188	4.912	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	153646	4.859	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	149268	4.941	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	15434	5.000	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	105551	4.689	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	87680	4.628	ug/L	99
71) Naphthalene	14.082	128	179390	4.680	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	89242	4.700	ug/L	98

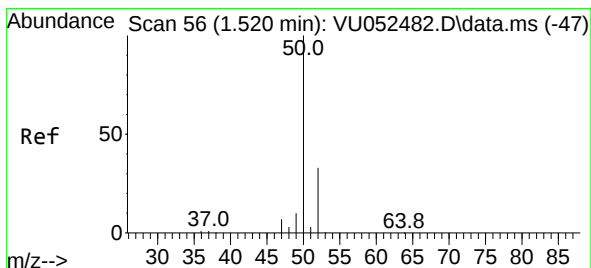
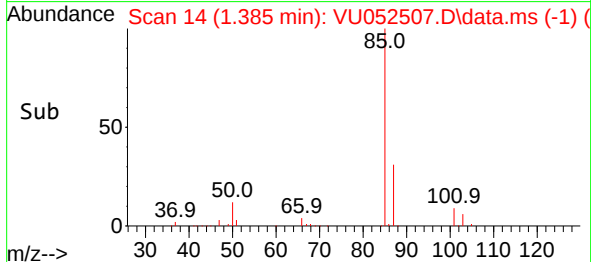
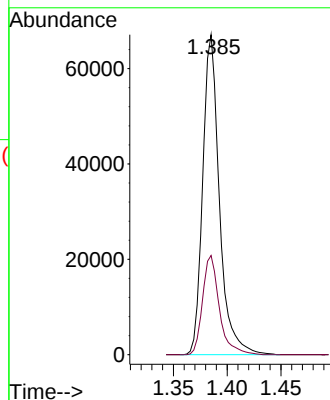
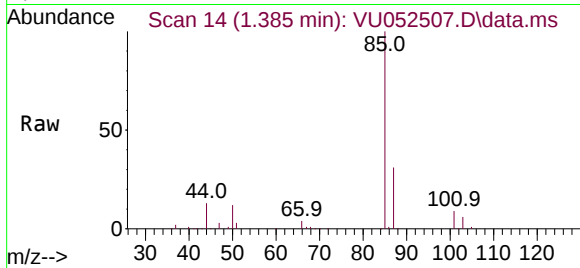
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.274 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

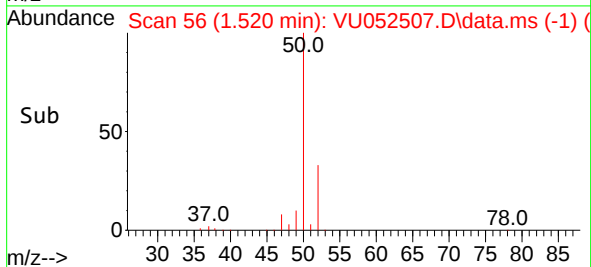
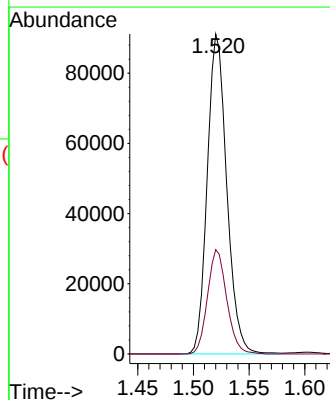
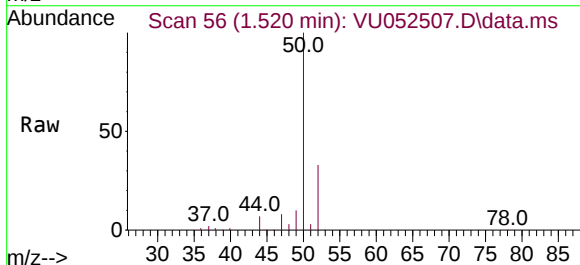
Instrument :
MSVOA_U
ClientSampleId :
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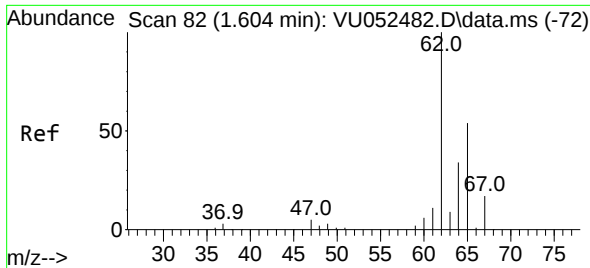
Tgt Ion: 85 Resp: 72210
Ion Ratio Lower Upper
85 100
87 31.2 25.6 38.4



#3
Chloromethane
Concen: 4.556 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion: 50 Resp: 111120
Ion Ratio Lower Upper
50 100
52 32.6 23.0 42.6

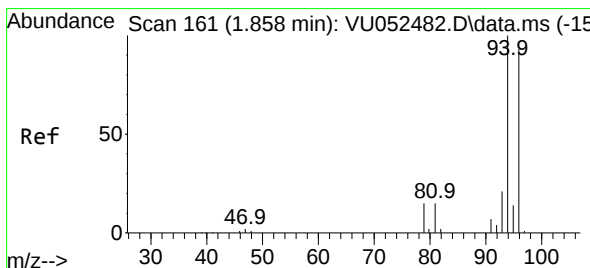
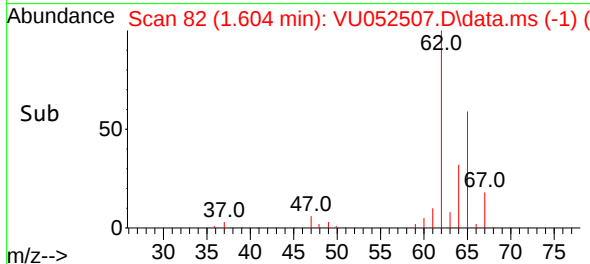
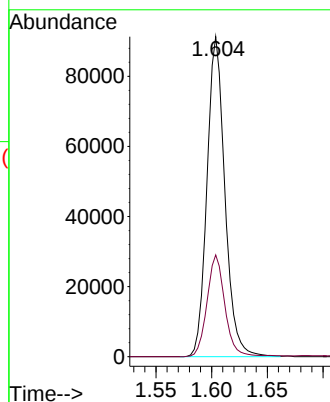
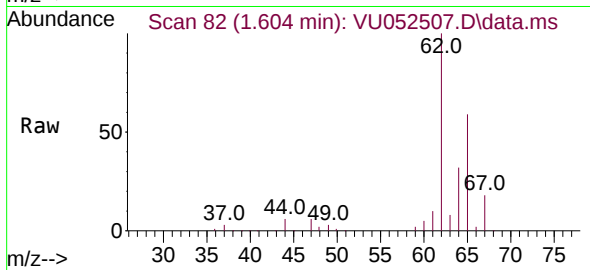




#5
 Vinyl chloride
 Concen: 4.626 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052507.D
 Acq: 22 Dec 2022 21:18

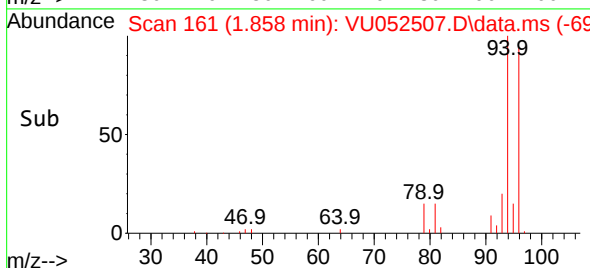
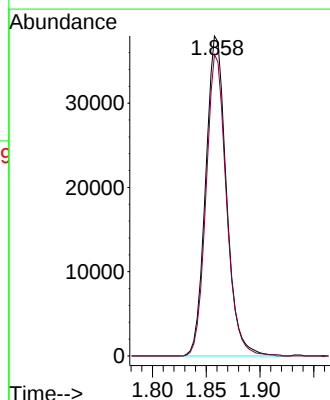
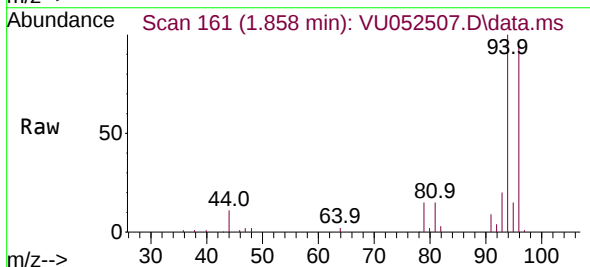
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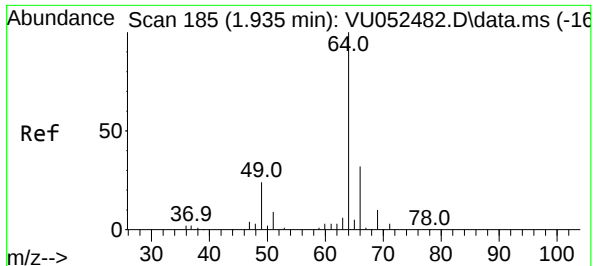
Tgt Ion: 62 Resp: 102261
 Ion Ratio Lower Upper
 62 100
 64 31.8 24.4 45.4



#6
 Bromomethane
 Concen: 4.031 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.003 min
 Lab File: VU052507.D
 Acq: 22 Dec 2022 21:18

Tgt Ion: 94 Resp: 50799
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.0 120.8

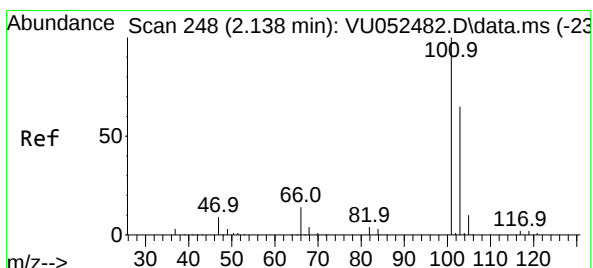
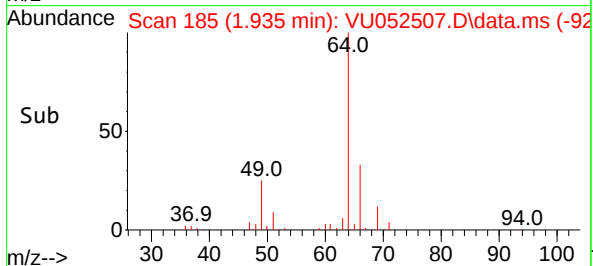
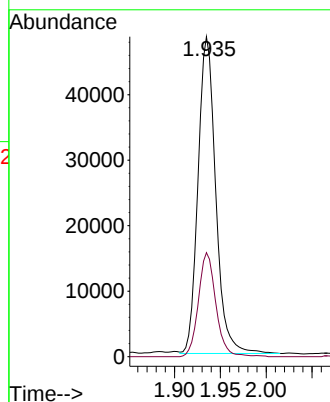
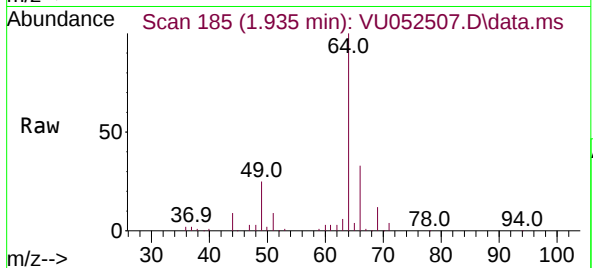




#8
Chloroethane
Concen: 4.288 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

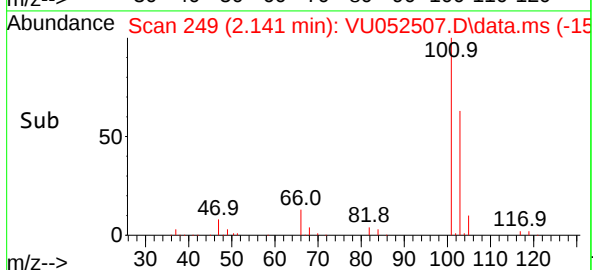
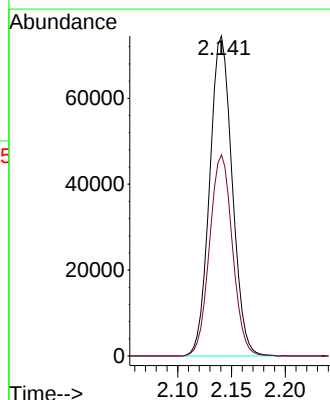
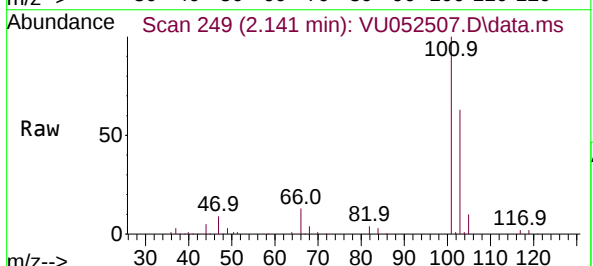
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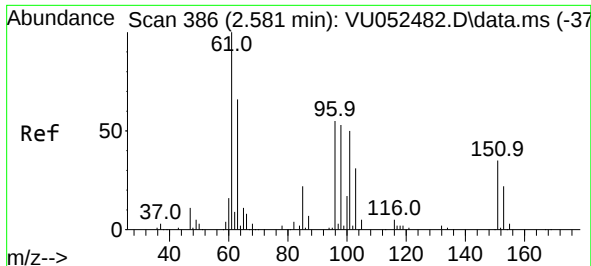
Tgt Ion: 64 Resp: 64925
Ion Ratio Lower Upper
64 100
66 32.5 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.336 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion:101 Resp: 108378
Ion Ratio Lower Upper
101 100
103 63.9 52.0 78.0

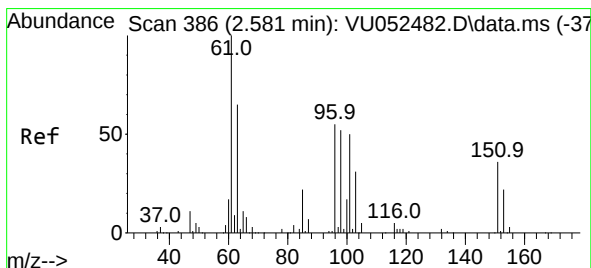
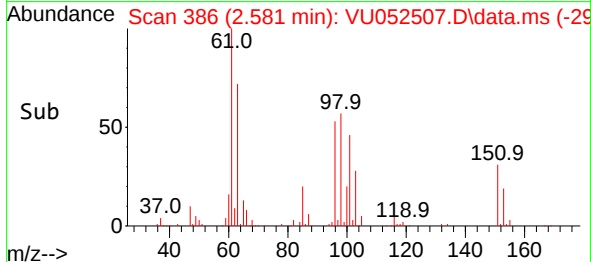
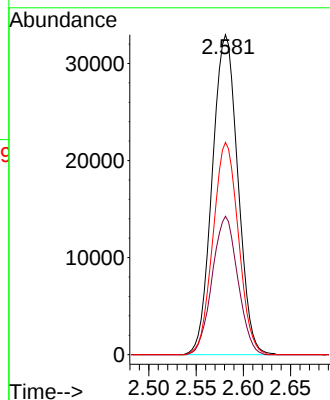
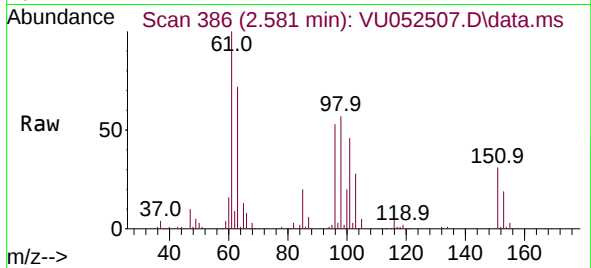




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.176 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052507.D
 Acq: 22 Dec 2022 21:18

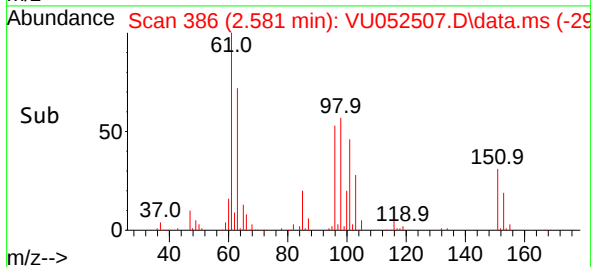
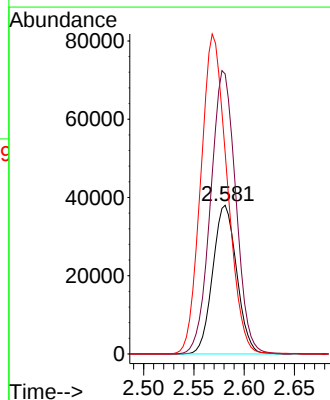
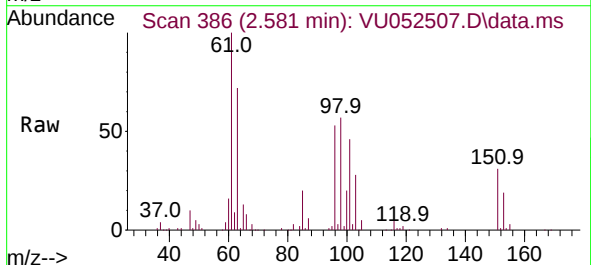
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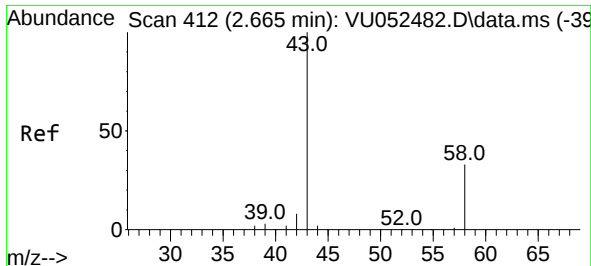
Tgt Ion:101 Resp: 62050
 Ion Ratio Lower Upper
 101 100
 85 43.2 35.8 53.6
 151 66.0 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.430 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052507.D
 Acq: 22 Dec 2022 21:18

Tgt Ion: 96 Resp: 62996
 Ion Ratio Lower Upper
 96 100
 61 188.4 135.4 251.4
 63 135.4 95.4 177.2





#13

Acetone

Concen: 42.111 ug/L

RT: 2.681 min Scan# 417

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

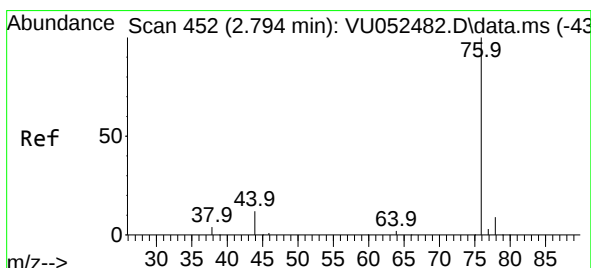
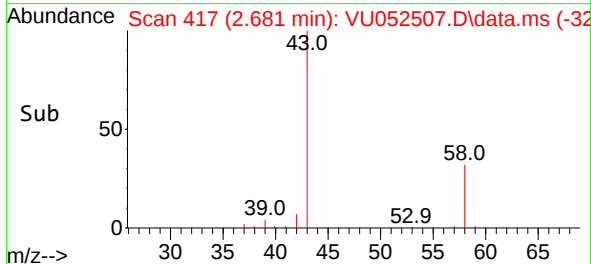
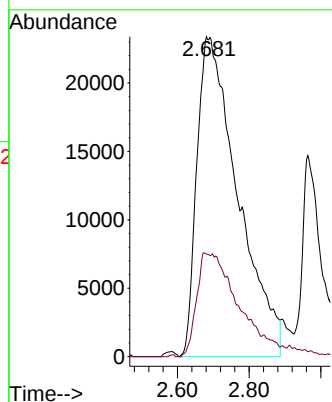
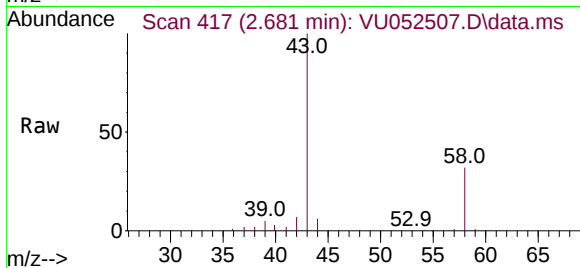
VSTD005114

Tgt Ion: 43 Resp: 185189

Ion Ratio Lower Upper

43 100

58 10.4 0.0 65.4



#14

Carbon disulfide

Concen: 4.504 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052507.D

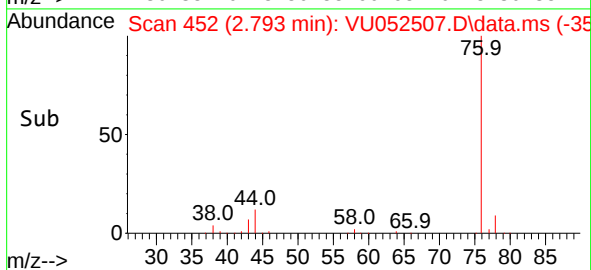
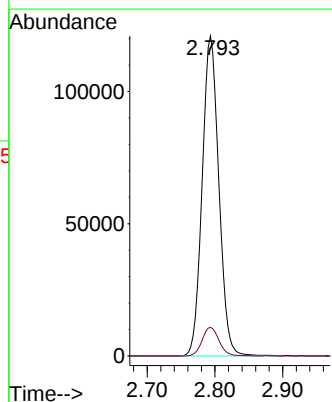
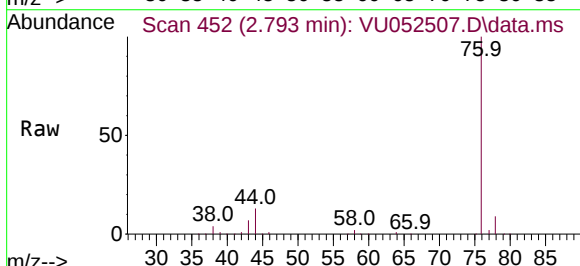
Acq: 22 Dec 2022 21:18

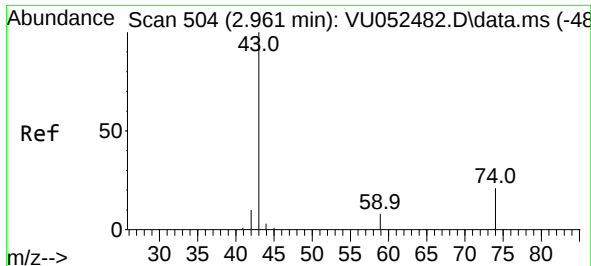
Tgt Ion: 76 Resp: 206368

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

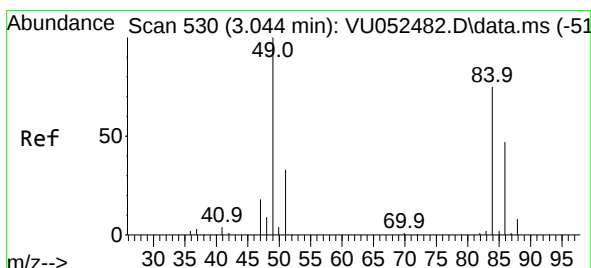
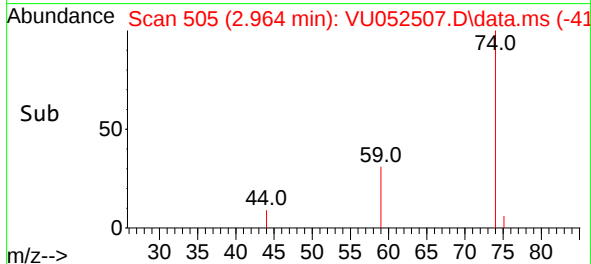
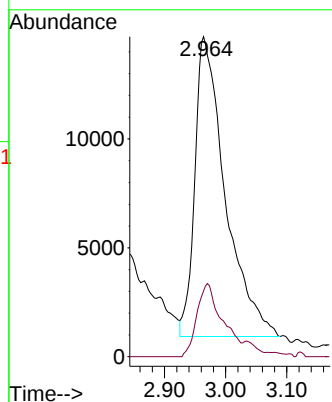
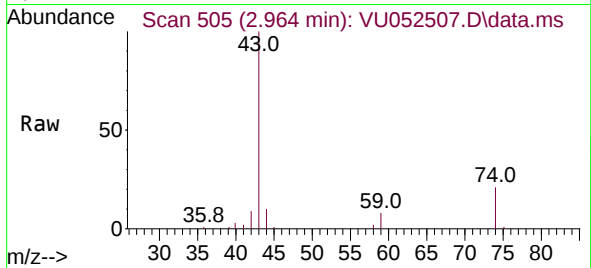




#15
Methyl Acetate
Concen: 4.911 ug/L
RT: 2.964 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

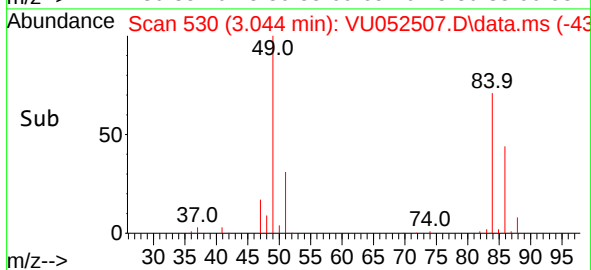
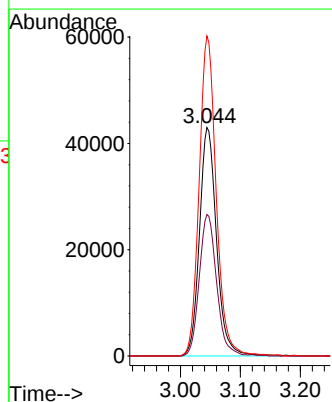
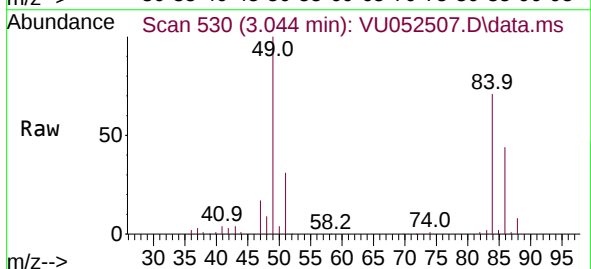
Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

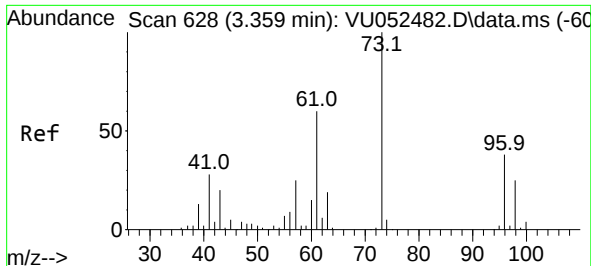
Tgt Ion: 43 Resp: 47576
Ion Ratio Lower Upper
43 100
74 20.5 16.9 25.3



#16
Methylene chloride
Concen: 4.243 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion: 84 Resp: 85227
Ion Ratio Lower Upper
84 100
86 61.9 44.7 83.1
49 140.1 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 5.232 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005114

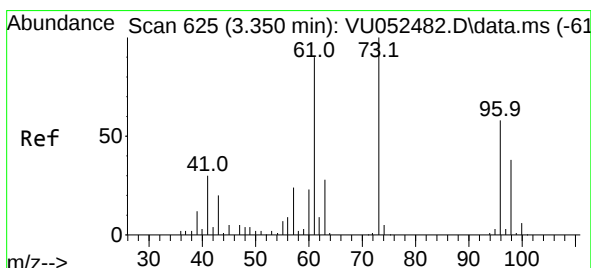
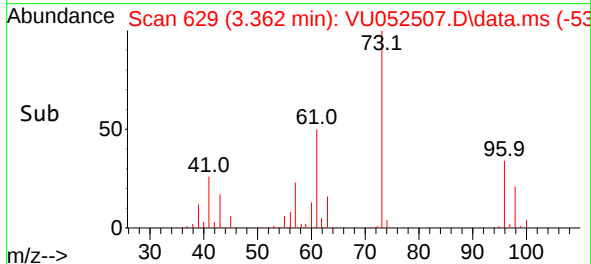
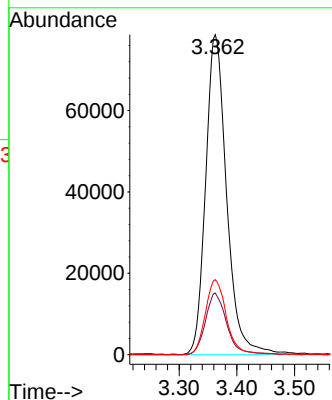
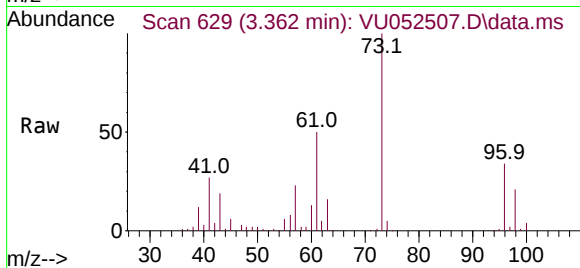
Tgt Ion: 73 Resp: 198639

Ion Ratio Lower Upper

73 100

43 19.5 16.1 24.1

57 23.7 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 4.826 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

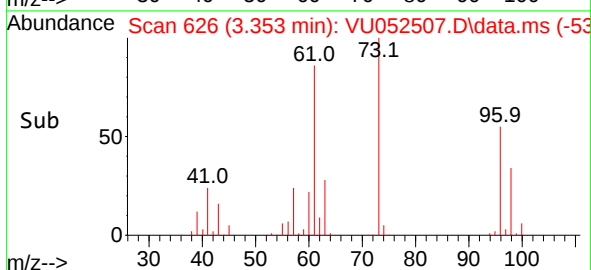
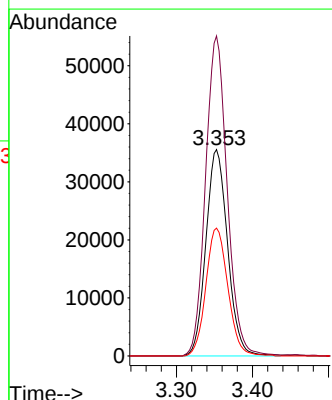
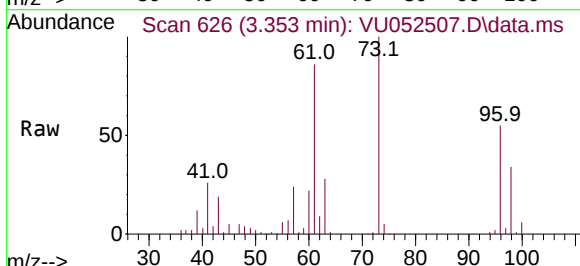
Tgt Ion: 96 Resp: 70725

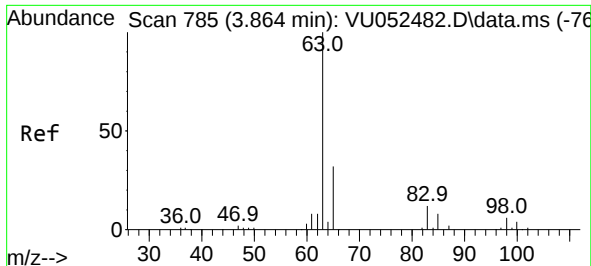
Ion Ratio Lower Upper

96 100

61 155.0 108.3 201.1

98 61.9 44.0 81.6





#19

1,1-Dichloroethane

Concen: 4.825 ug/L

RT: 3.867 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005114

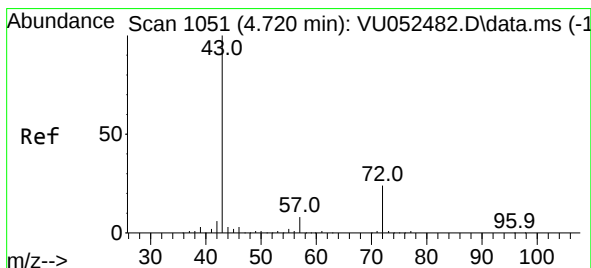
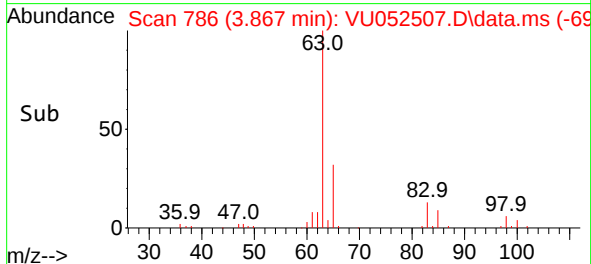
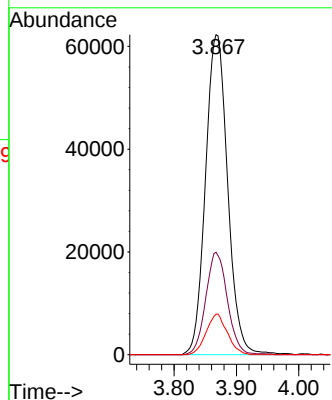
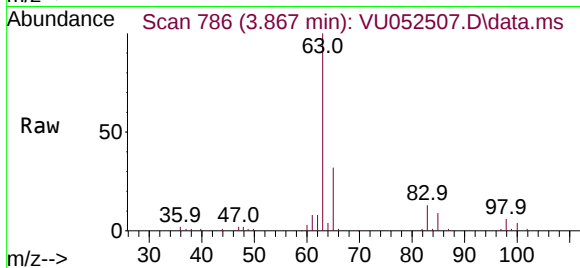
Tgt Ion: 63 Resp: 153784

Ion Ratio Lower Upper

63 100

65 32.0 22.0 40.8

83 12.6 9.0 16.8



#21

2-Butanone

Concen: 52.761 ug/L

RT: 4.732 min Scan# 1055

Delta R.T. 0.003 min

Lab File: VU052507.D

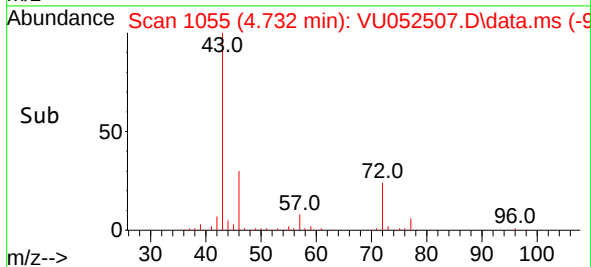
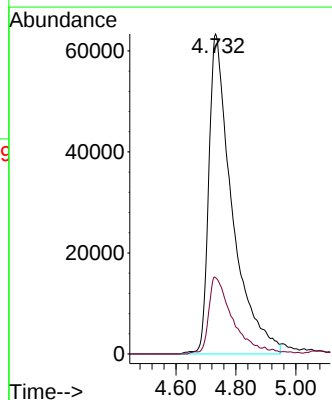
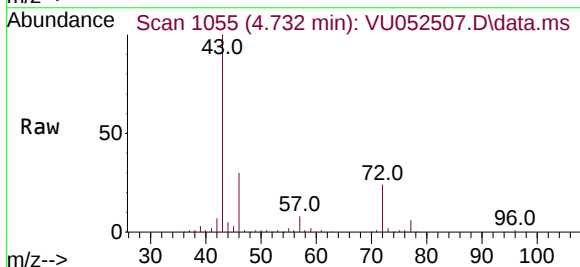
Acq: 22 Dec 2022 21:18

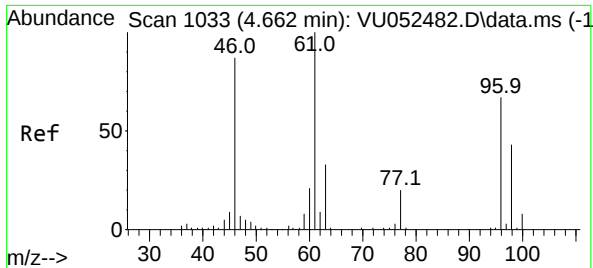
Tgt Ion: 43 Resp: 341719

Ion Ratio Lower Upper

43 100

72 23.0 11.6 34.7



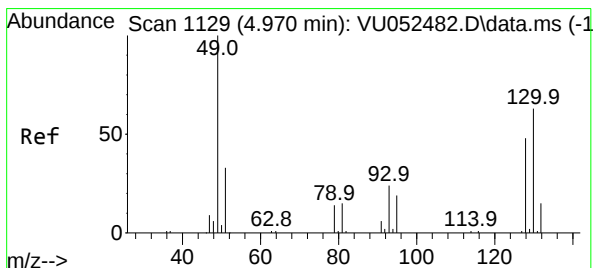
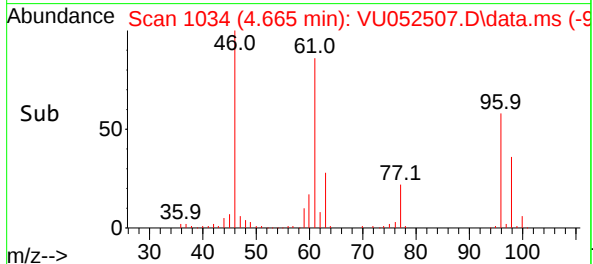
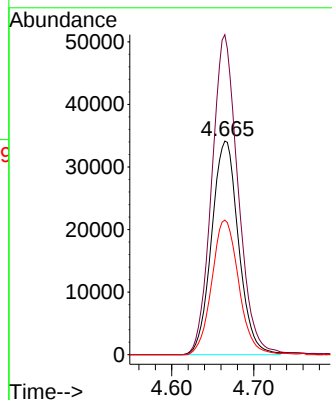
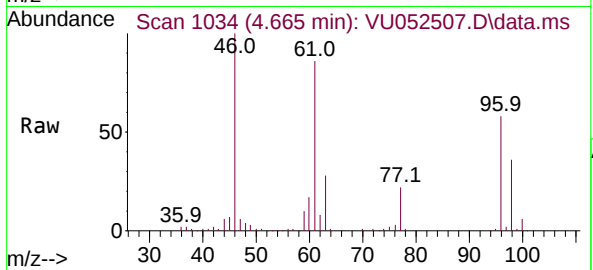


#22
 cis-1,2-Dichloroethene
 Concen: 4.848 ug/L
 RT: 4.665 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU052507.D
 Acq: 22 Dec 2022 21:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005114

Tgt Ion: 96 Resp: 77973

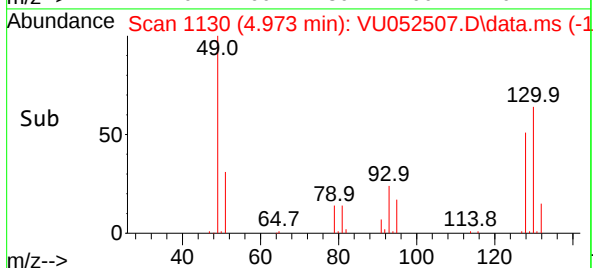
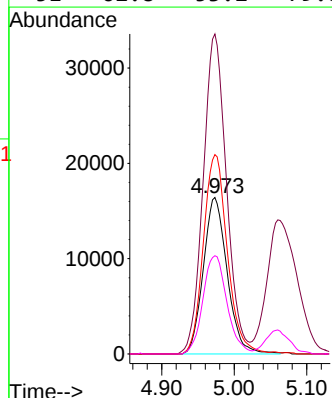
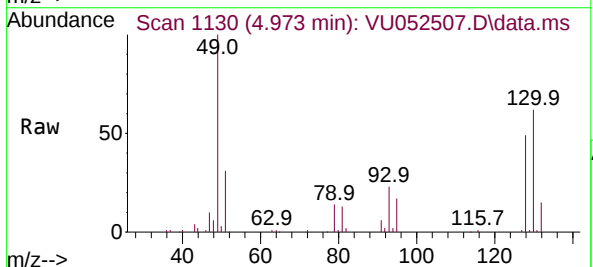
Ion	Ratio	Lower	Upper
96	100		
61	149.9	96.9	180.1
98	63.0	44.7	83.1

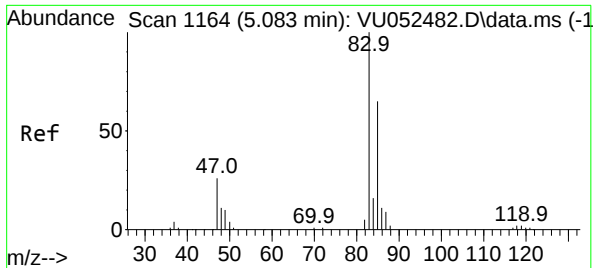


#23
 Bromochloromethane
 Concen: 5.036 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.003 min
 Lab File: VU052507.D
 Acq: 22 Dec 2022 21:18

Tgt Ion: 128 Resp: 37541

Ion	Ratio	Lower	Upper
128	100		
49	204.5	143.3	266.1
130	127.4	88.4	164.2
51	62.8	53.2	79.8





#25

Chloroform

Concen: 4.736 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

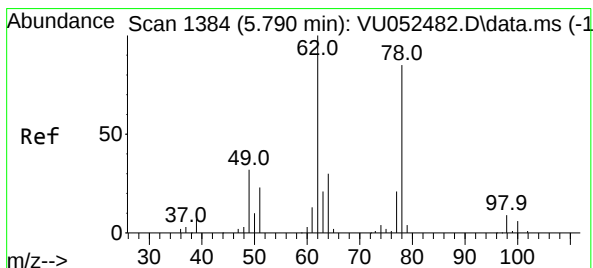
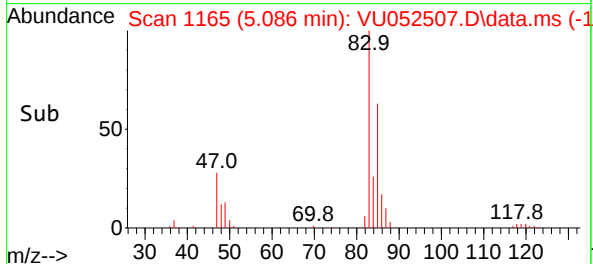
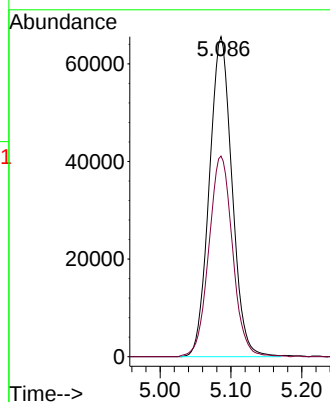
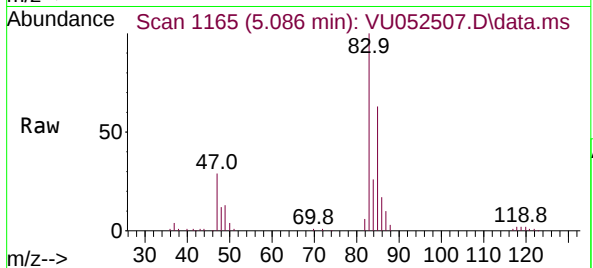
VSTD005114

Tgt Ion: 83 Resp: 146268

Ion Ratio Lower Upper

83 100

85 62.7 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.928 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052507.D

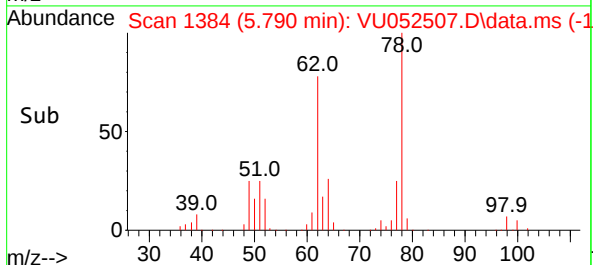
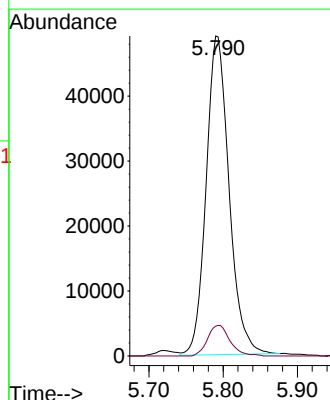
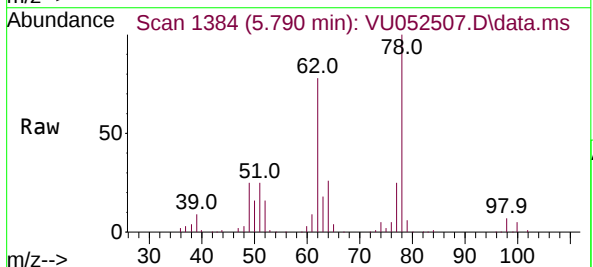
Acq: 22 Dec 2022 21:18

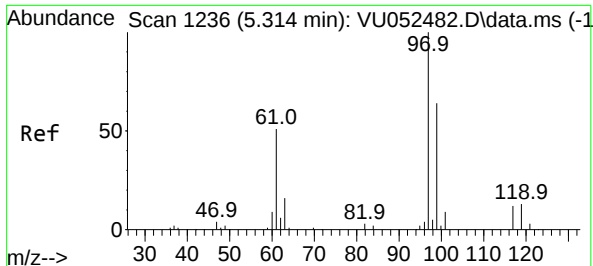
Tgt Ion: 62 Resp: 105152

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.779 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005114

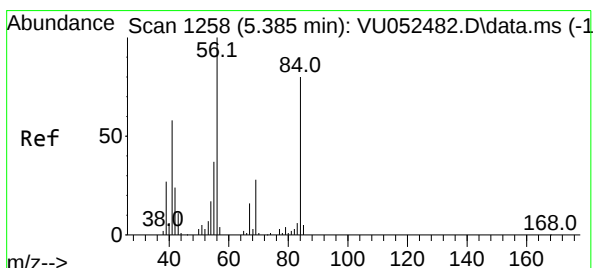
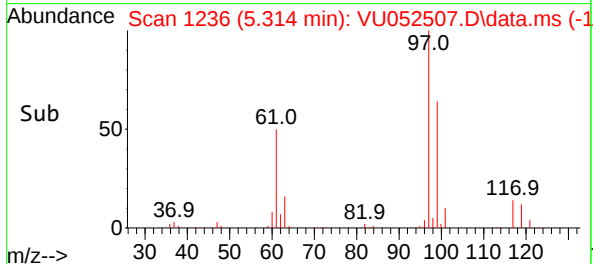
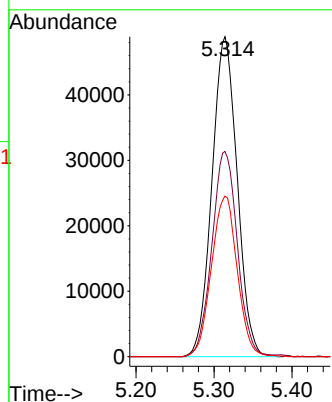
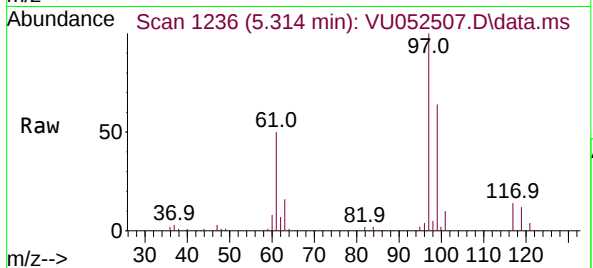
Tgt Ion: 97 Resp: 109953

Ion Ratio Lower Upper

97 100

99 64.8 52.2 78.2

61 51.4 41.6 62.4



#30

Cyclohexane

Concen: 4.697 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

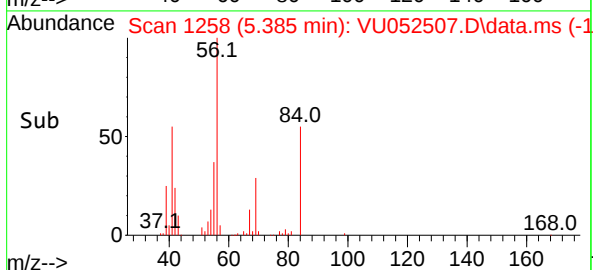
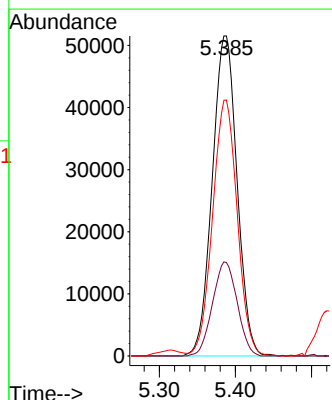
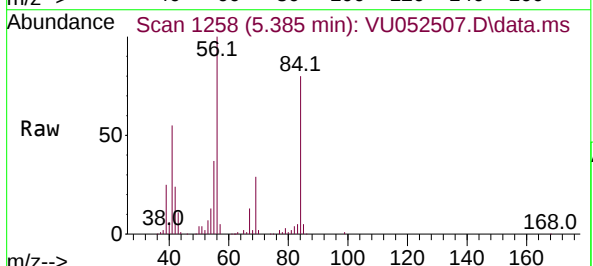
Tgt Ion: 56 Resp: 116797

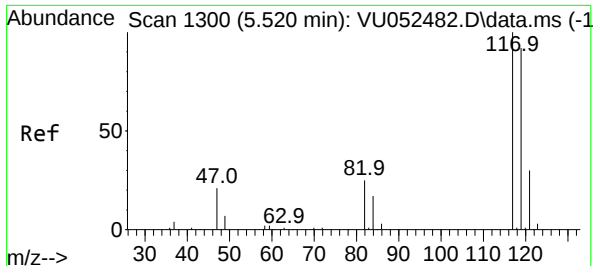
Ion Ratio Lower Upper

56 100

69 29.2 23.0 34.6

84 79.4 64.4 96.6

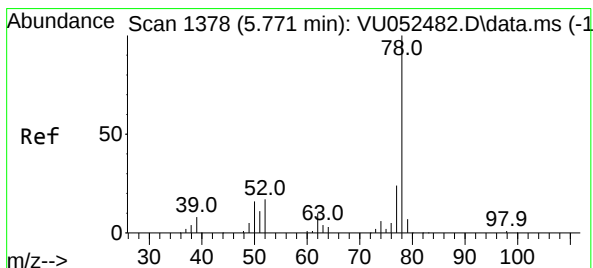
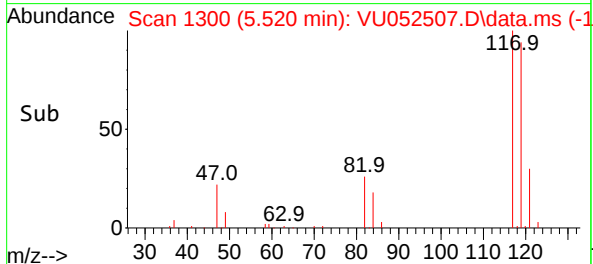
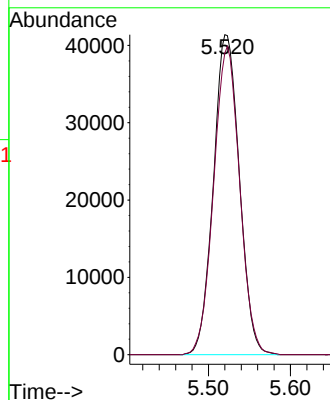
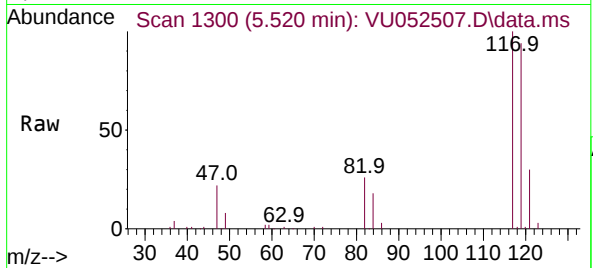




#31
Carbon tetrachloride
Concen: 4.506 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

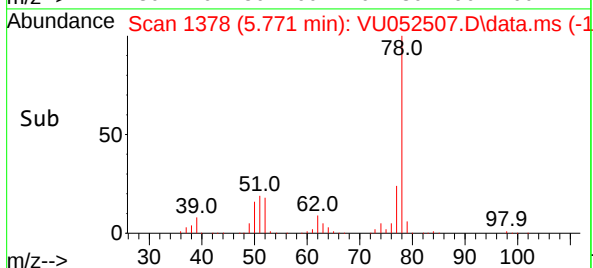
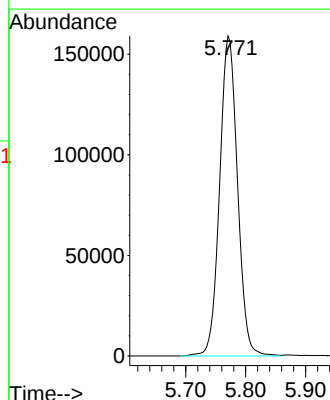
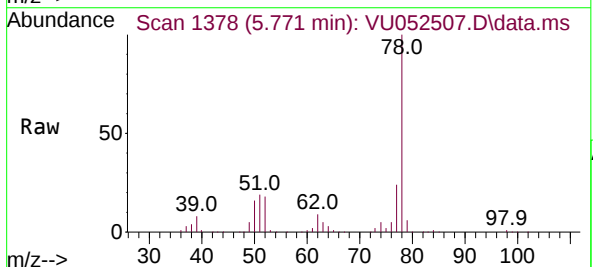
Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

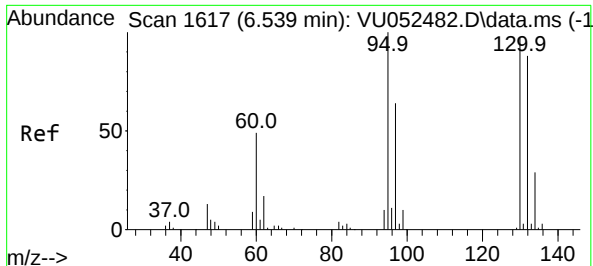
Tgt Ion:117 Resp: 91114
Ion Ratio Lower Upper
117 100
119 96.5 76.3 114.5



#33
Benzene
Concen: 4.985 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion: 78 Resp: 328254

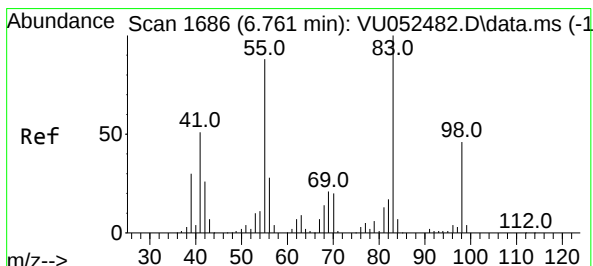
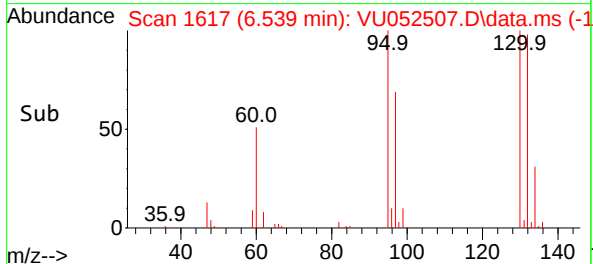
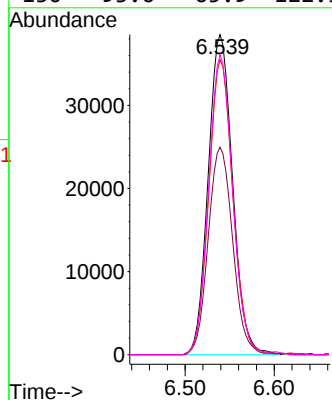
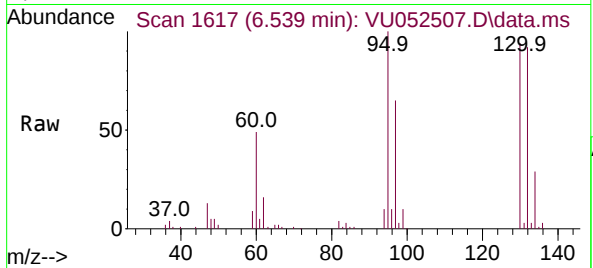




#34
Trichloroethene
Concen: 4.760 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

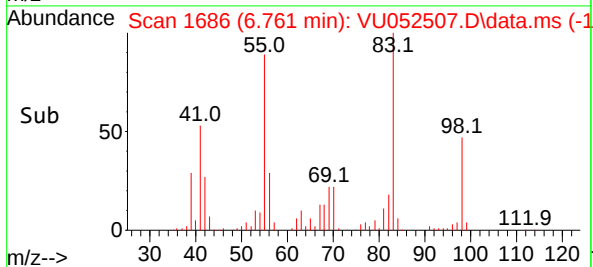
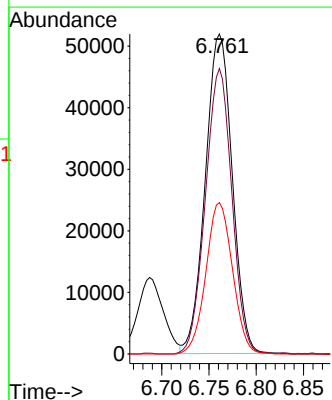
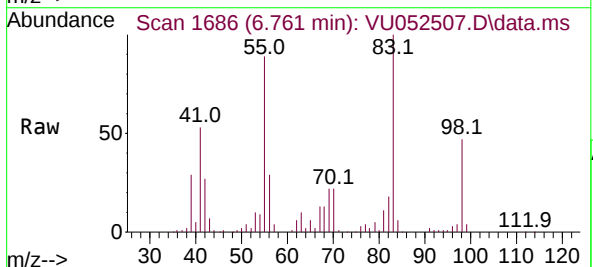
Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

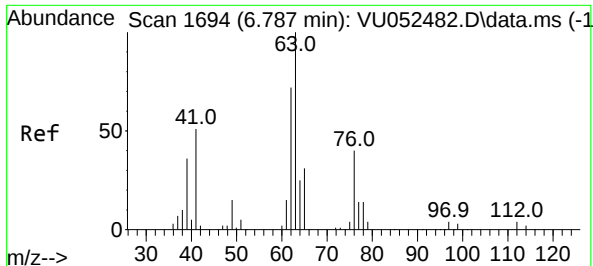
Tgt Ion: 95 Resp: 73277
Ion Ratio Lower Upper
95 100
97 64.8 46.3 86.1
132 92.2 63.9 118.7
130 93.6 65.9 122.5



#35
Methylcyclohexane
Concen: 4.441 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion: 83 Resp: 103096
Ion Ratio Lower Upper
83 100
55 87.7 71.4 107.0
98 46.8 36.5 54.7





#37

1,2-Dichloropropane

Concen: 5.146 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

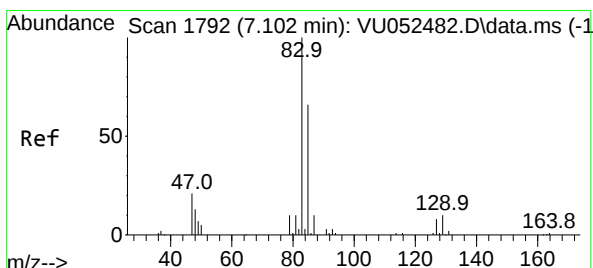
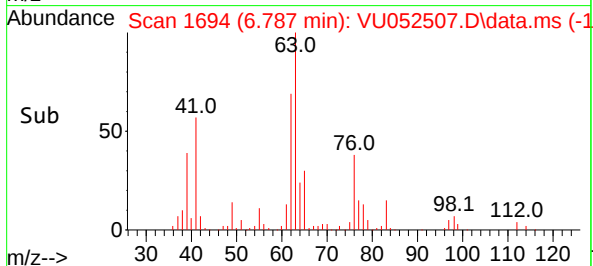
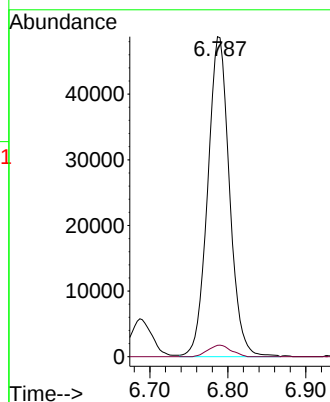
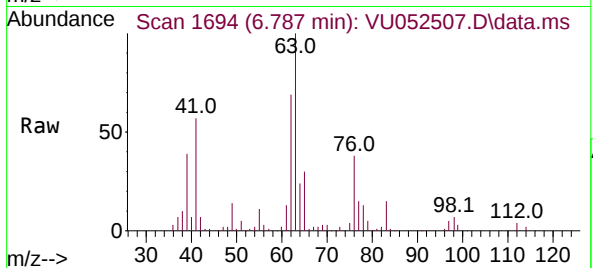
VSTD005114

Tgt Ion: 63 Resp: 94548

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 4.796 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

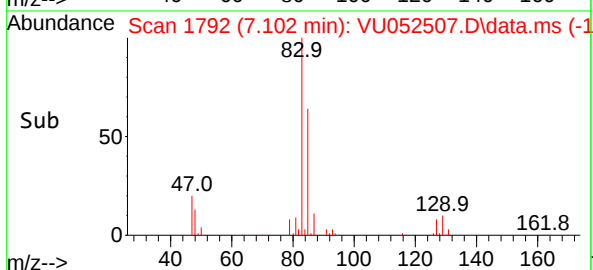
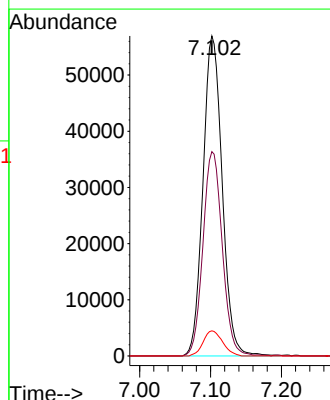
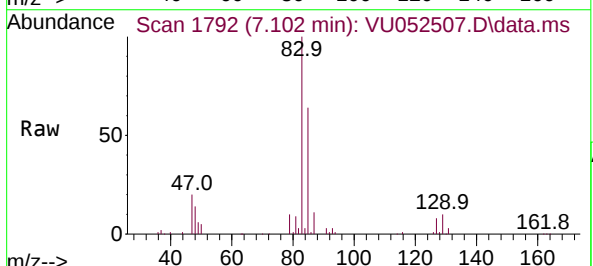
Tgt Ion: 83 Resp: 107246

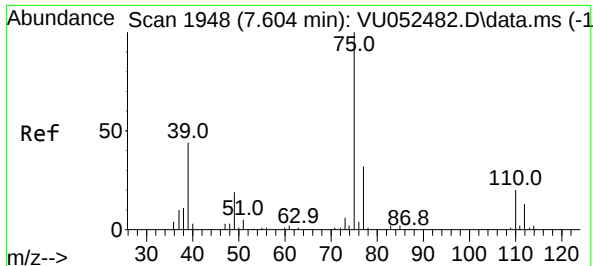
Ion Ratio Lower Upper

83 100

85 63.9 45.2 84.0

127 7.9 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.084 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

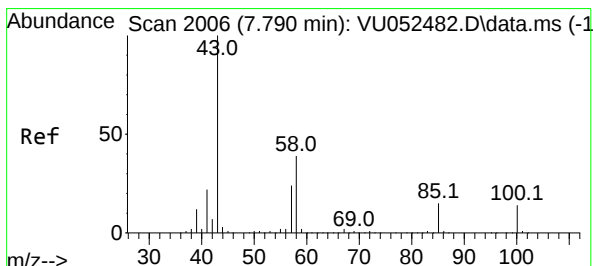
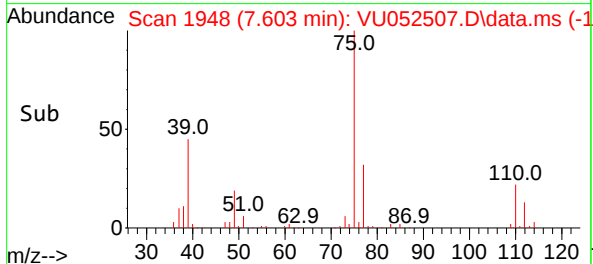
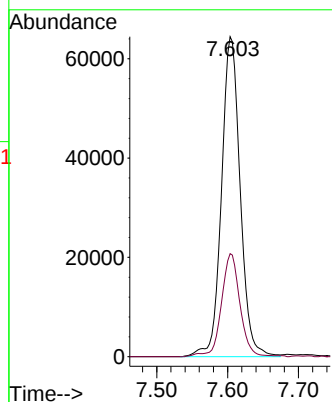
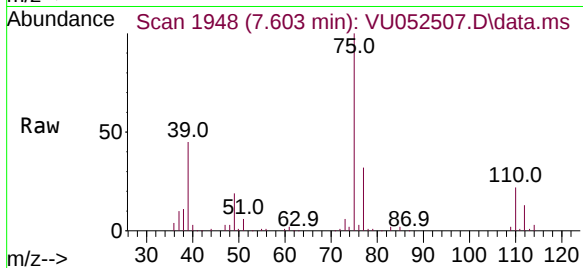
VSTD005114

Tgt Ion: 75 Resp: 118319

Ion Ratio Lower Upper

75 100

77 32.2 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 57.504 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

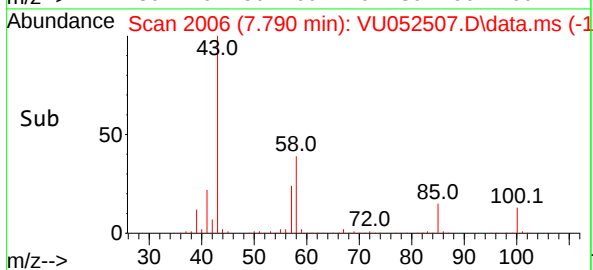
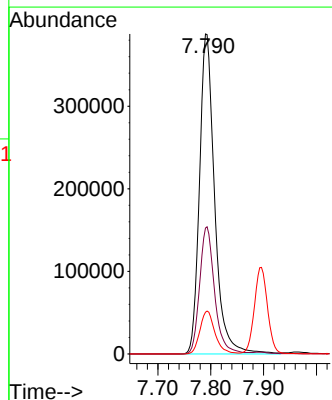
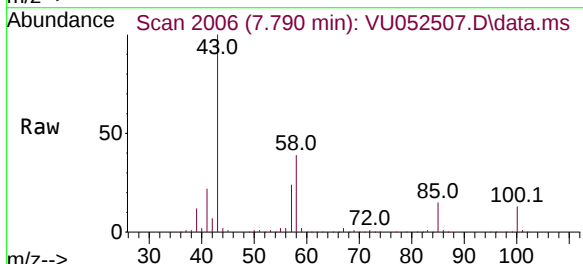
Tgt Ion: 43 Resp: 772112

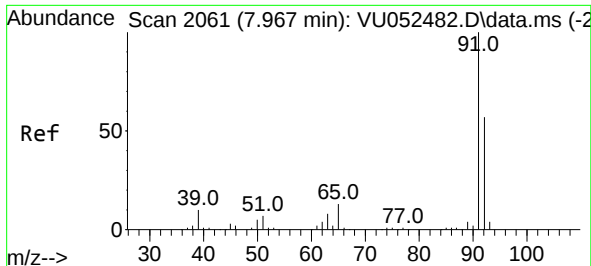
Ion Ratio Lower Upper

43 100

58 39.2 30.6 45.8

100 13.3 10.4 15.6





#42

Toluene

Concen: 5.178 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

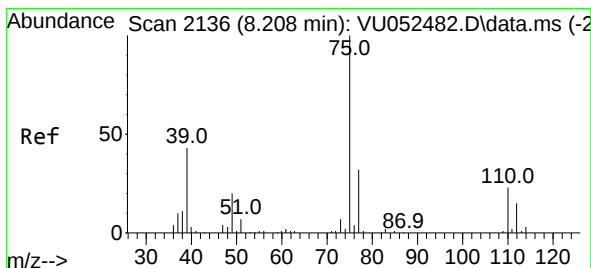
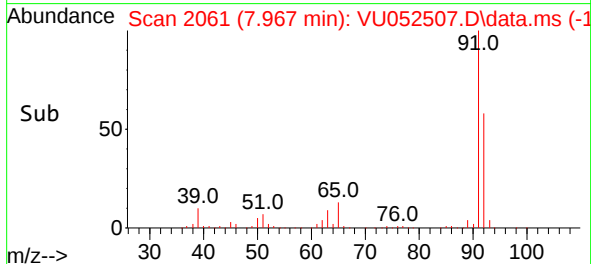
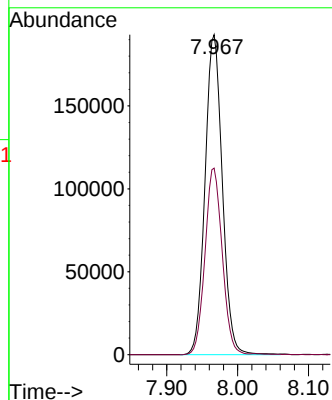
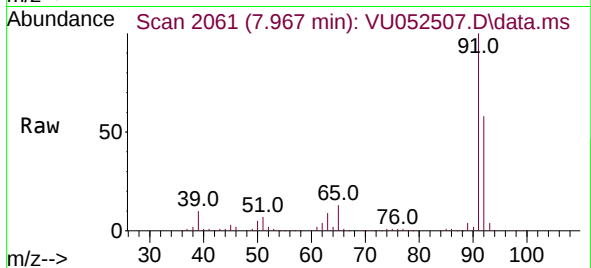
VSTD005114

Tgt Ion: 91 Resp: 326945

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.254 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052507.D

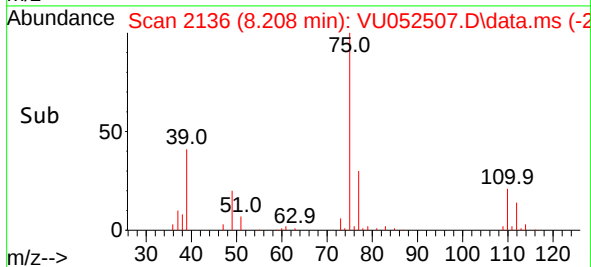
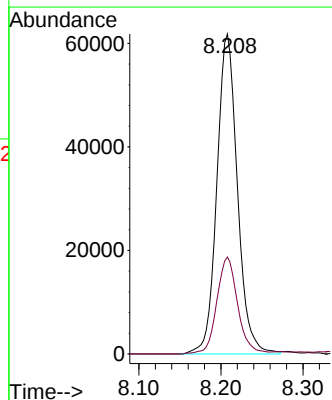
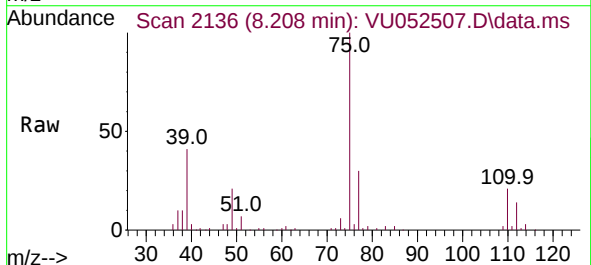
Acq: 22 Dec 2022 21:18

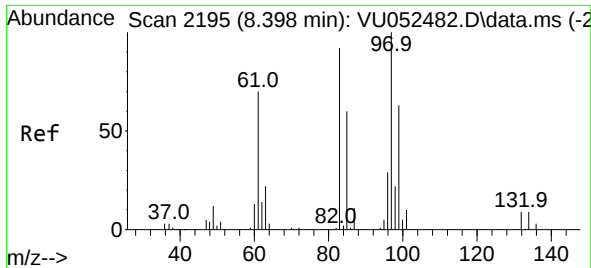
Tgt Ion: 75 Resp: 107750

Ion Ratio Lower Upper

75 100

77 30.3 22.8 42.4

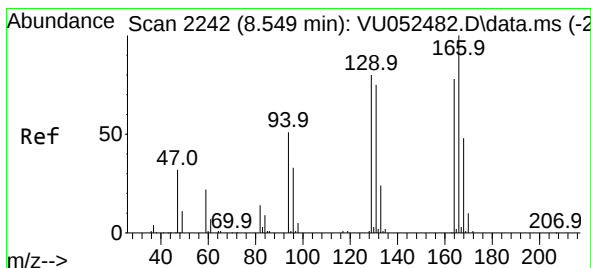
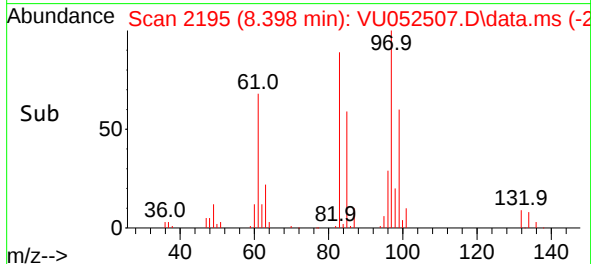
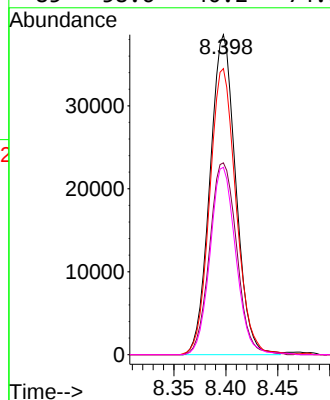
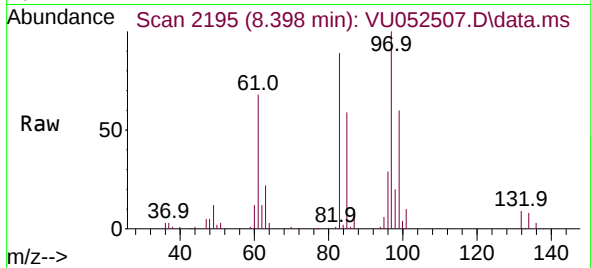




#45
1,1,2-Trichloroethane
Concen: 5.127 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

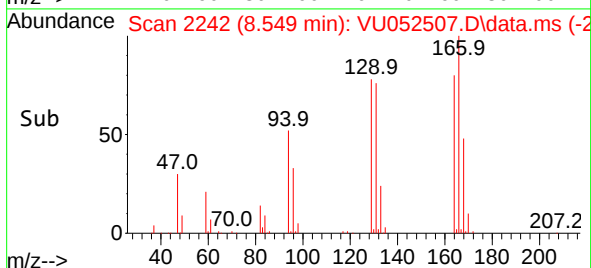
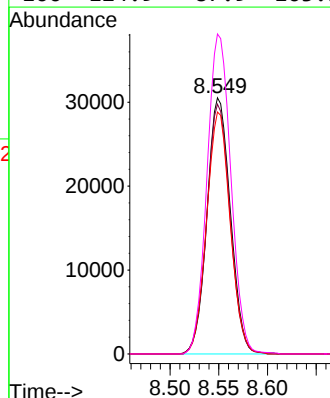
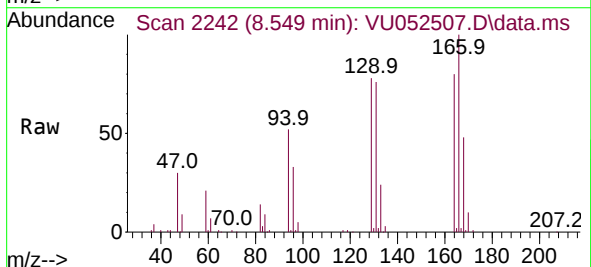
Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

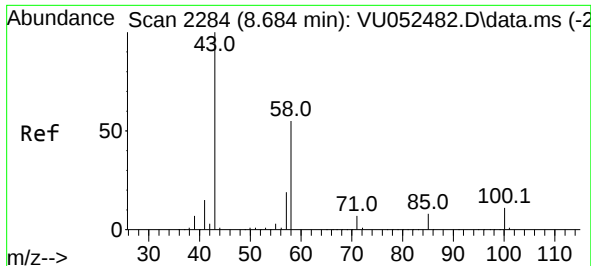
Tgt Ion:	97	Resp:	66717
Ion	Ratio	Lower	Upper
97	100		
99	59.9	42.0	78.0
83	89.4	63.2	117.4
85	58.6	40.2	74.6



#47
Tetrachloroethene
Concen: 4.760 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion:	164	Resp:	51151
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.1	126.5
131	94.4	66.5	123.5
166	124.9	87.9	163.3



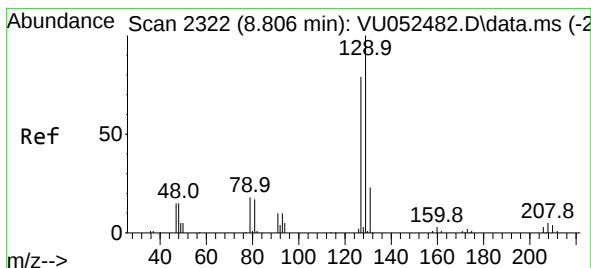
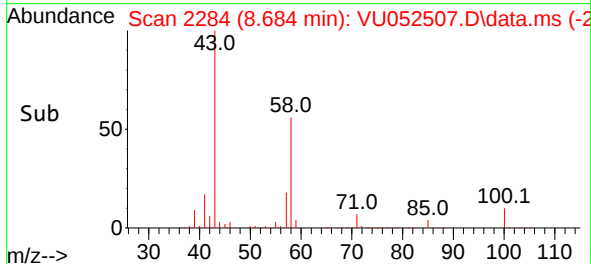
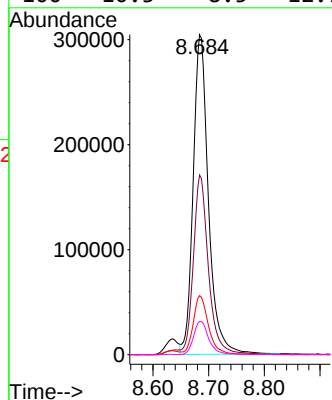
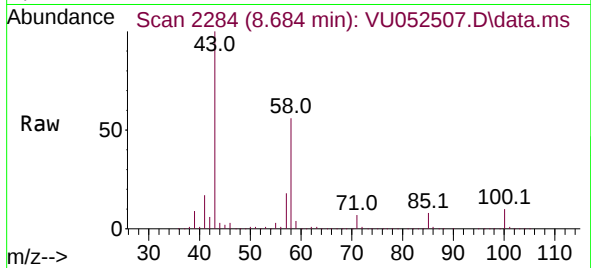


#48
2-Hexanone
Concen: 57.386 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

Tgt Ion: 43 Resp: 580816

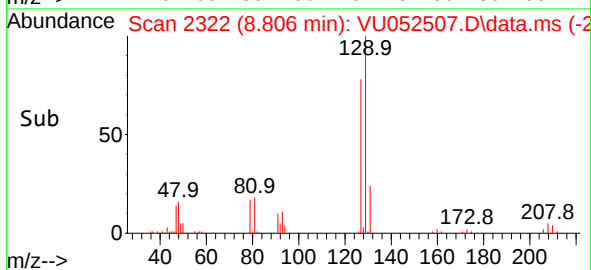
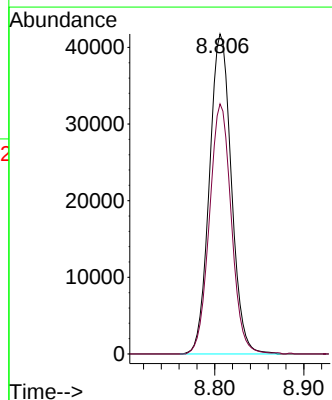
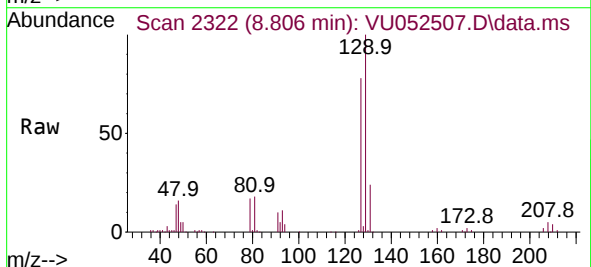
Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.1	66.1
57	18.1	14.6	21.8
100	10.3	8.5	12.7

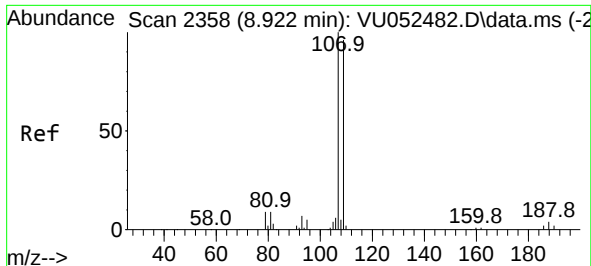


#49
Dibromochloromethane
Concen: 5.184 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion: 129 Resp: 71434

Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.2	100.6

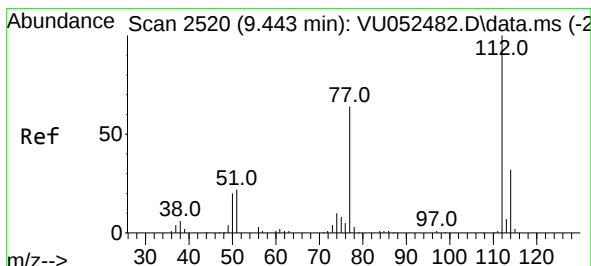
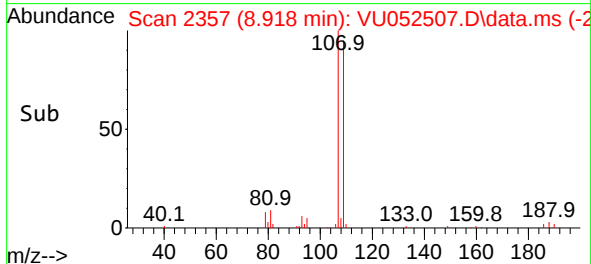
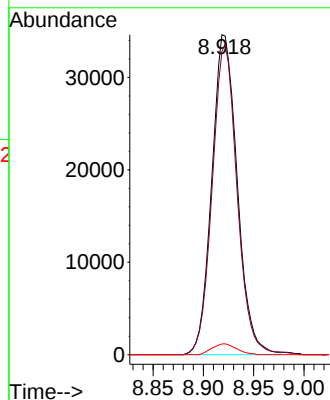
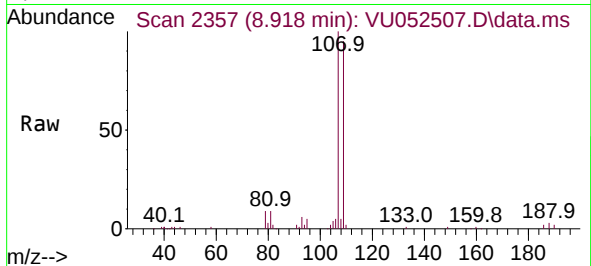




#50
1,2-Dibromoethane
Concen: 5.154 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

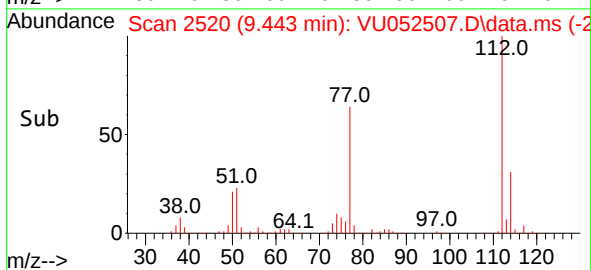
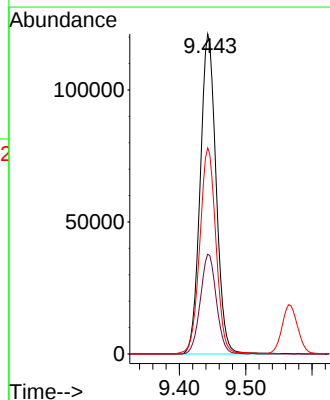
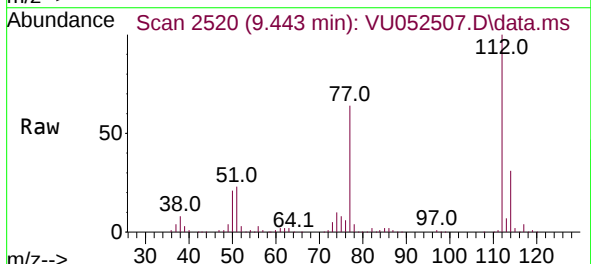
Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

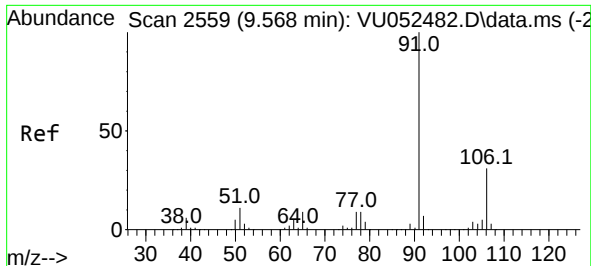
Tgt Ion:107 Resp: 60966
Ion Ratio Lower Upper
107 100
109 94.8 65.8 122.2
188 3.4 2.3 3.5



#51
Chlorobenzene
Concen: 4.999 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion:112 Resp: 201540
Ion Ratio Lower Upper
112 100
114 31.1 21.3 39.5
77 64.4 51.0 76.6

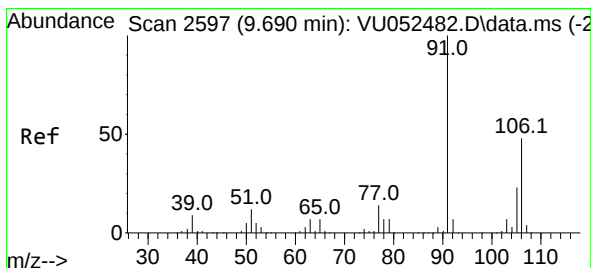
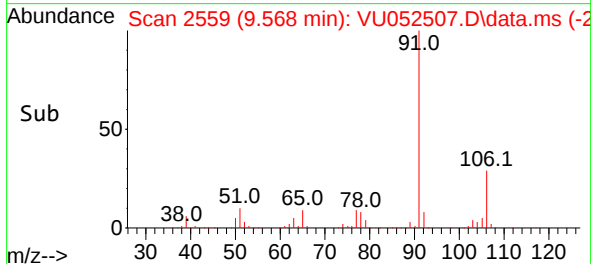
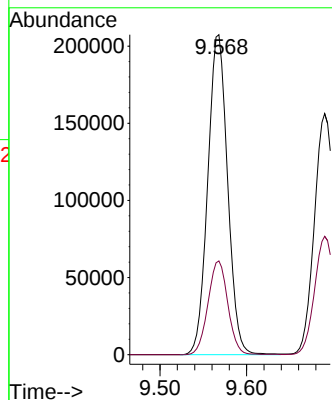
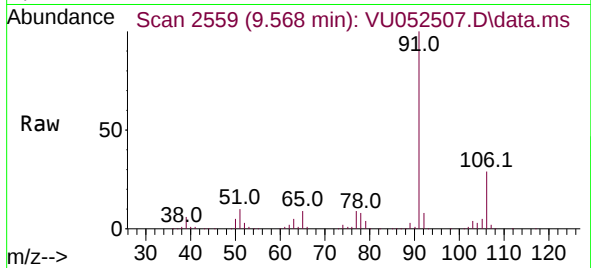




#52
Ethylbenzene
Concen: 5.051 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

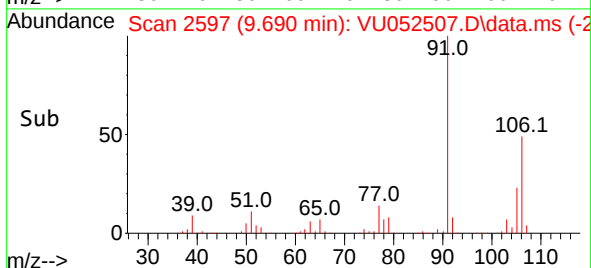
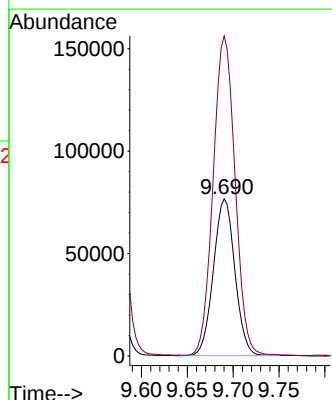
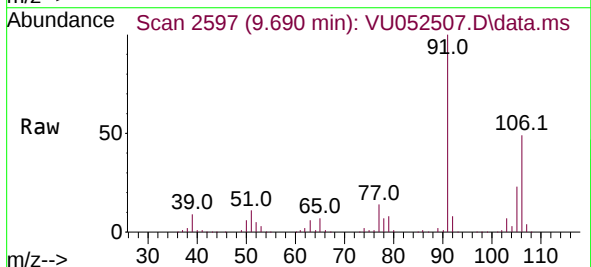
Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

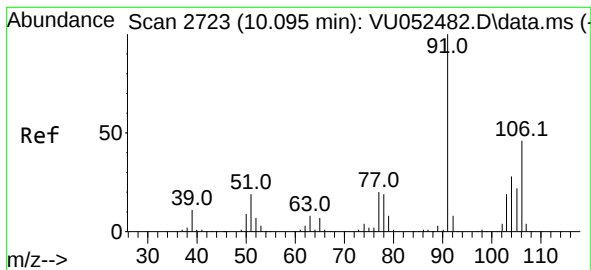
Tgt Ion: 91 Resp: 330029
Ion Ratio Lower Upper
91 100
106 29.3 20.9 38.7



#53
m,p-Xylene
Concen: 5.180 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion:106 Resp: 124790
Ion Ratio Lower Upper
106 100
91 203.6 148.2 275.2





#54

o-Xylene

Concen: 5.347 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.003 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

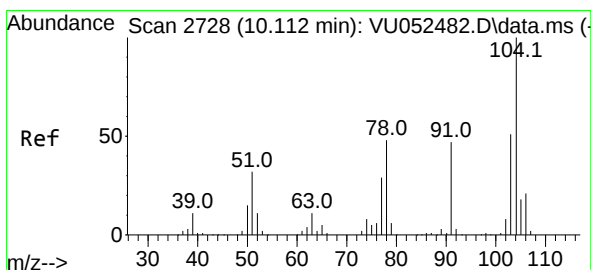
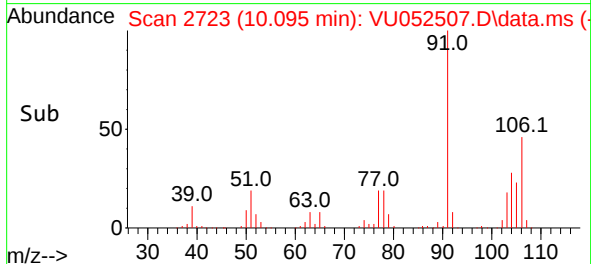
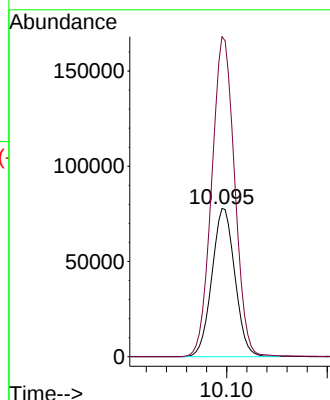
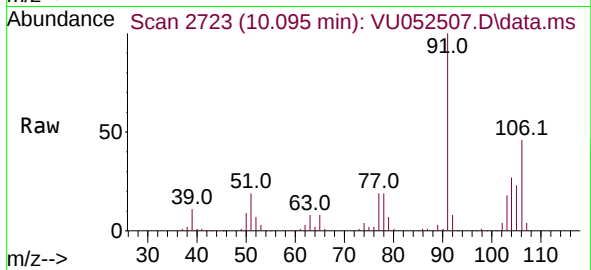
VSTD005114

Tgt Ion:106 Resp: 123500

Ion Ratio Lower Upper

106 100

91 215.9 153.2 284.4



#55

Styrene

Concen: 5.385 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052507.D

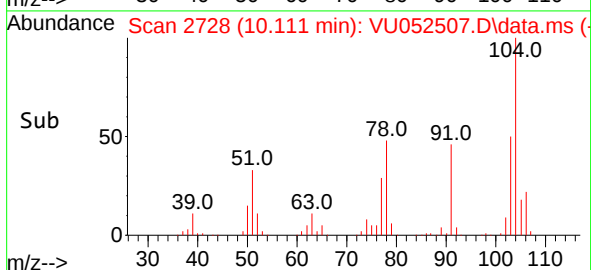
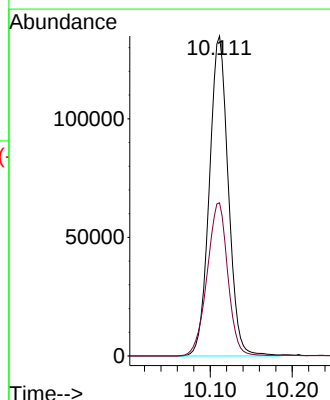
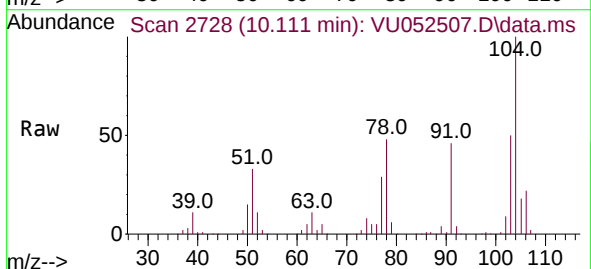
Acq: 22 Dec 2022 21:18

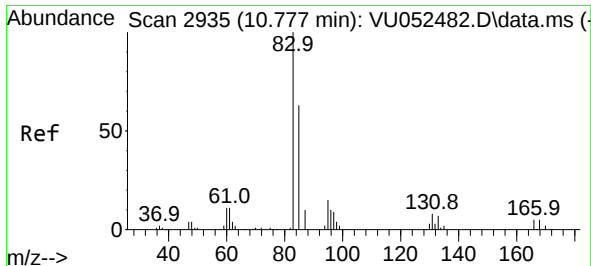
Tgt Ion:104 Resp: 216371

Ion Ratio Lower Upper

104 100

78 47.9 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.256 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005114

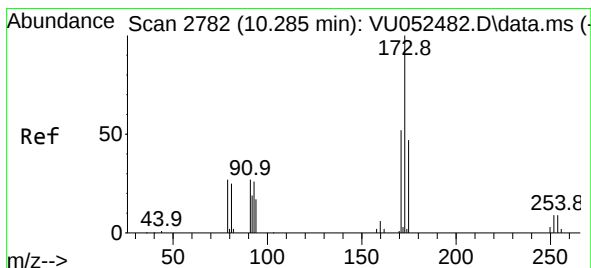
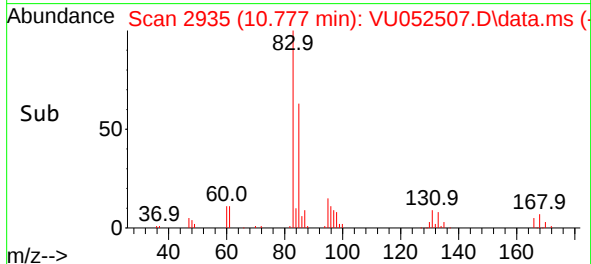
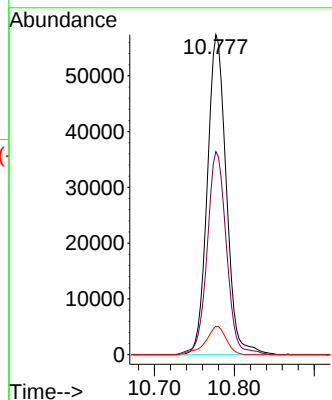
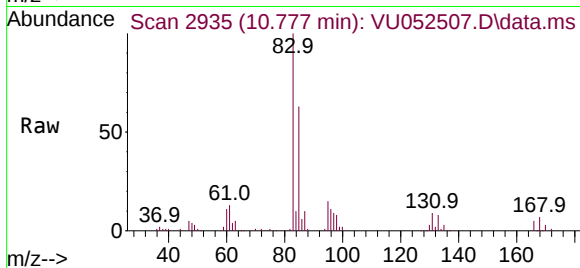
Tgt Ion: 83 Resp: 94556

Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1

131 8.9 6.0 9.0



#59

Bromoform

Concen: 4.809 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

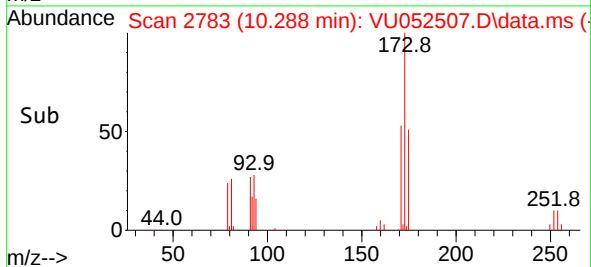
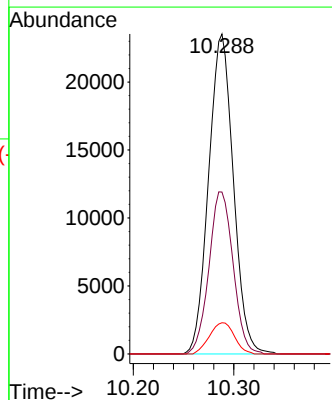
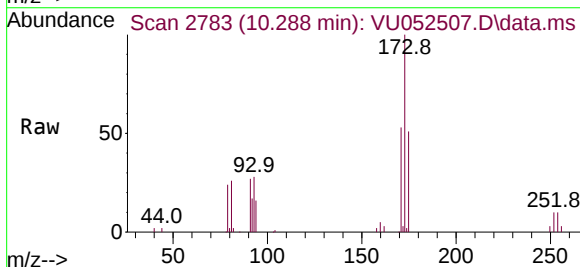
Tgt Ion: 173 Resp: 40167

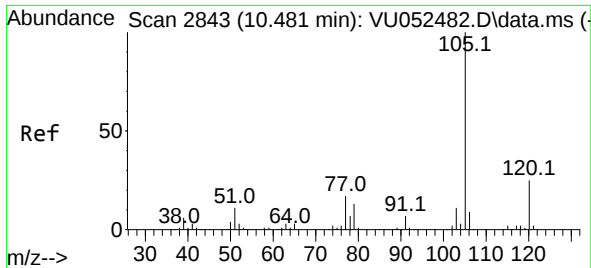
Ion Ratio Lower Upper

173 100

175 49.5 38.9 58.3

254 9.9 7.0 10.6

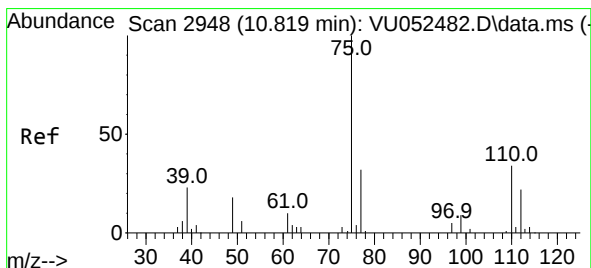
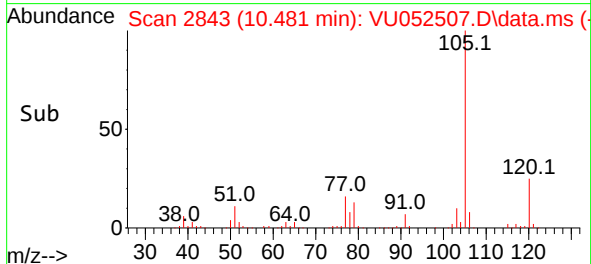
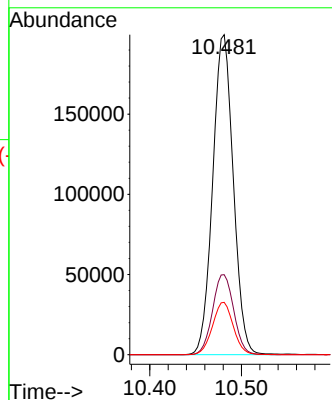
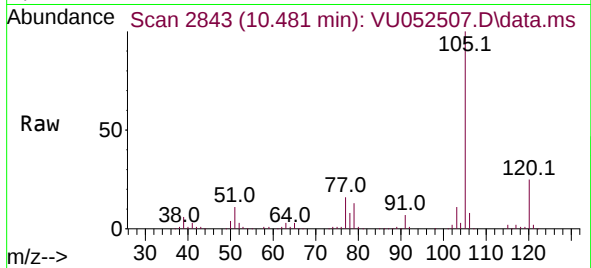




#60
Isopropylbenzene
Concen: 5.050 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

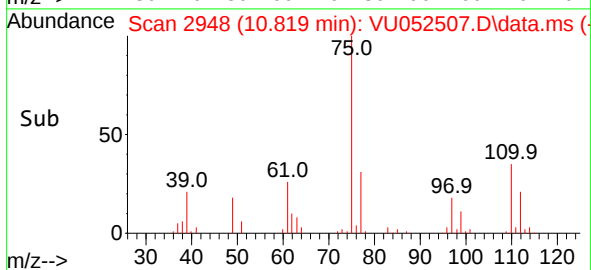
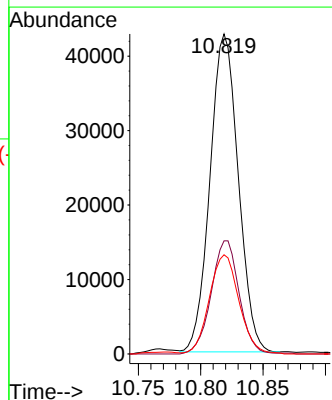
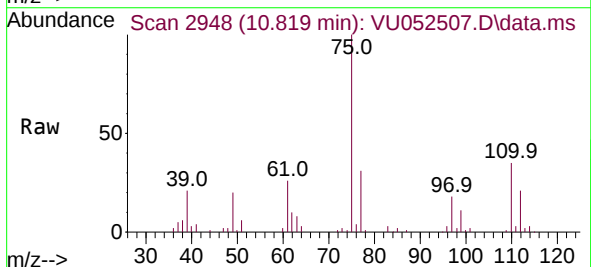
Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

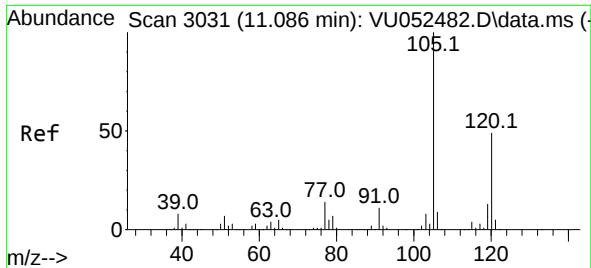
Tgt Ion:105 Resp: 311194
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 16.6 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 4.956 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion: 75 Resp: 67578
Ion Ratio Lower Upper
75 100
110 35.1 27.9 41.9
77 32.7 25.9 38.9

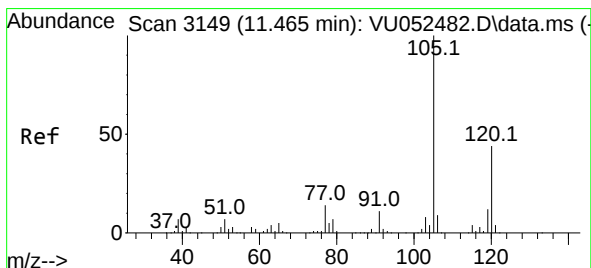
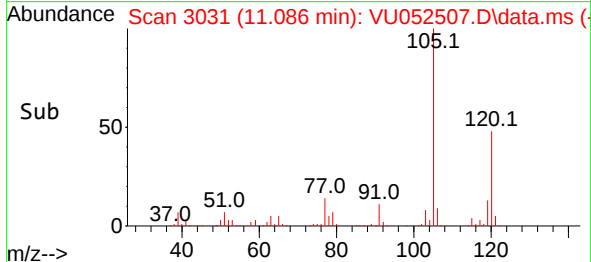
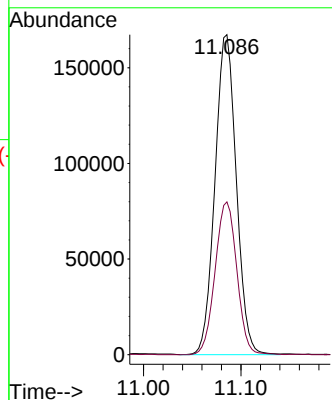
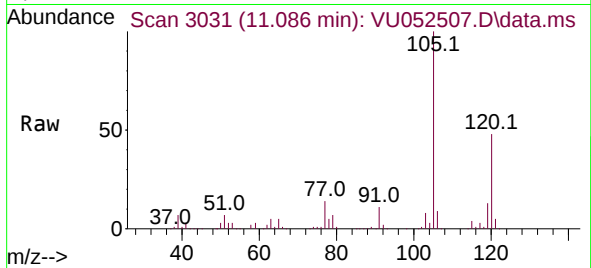




#62
1,3,5-Trimethylbenzene
Concen: 5.015 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

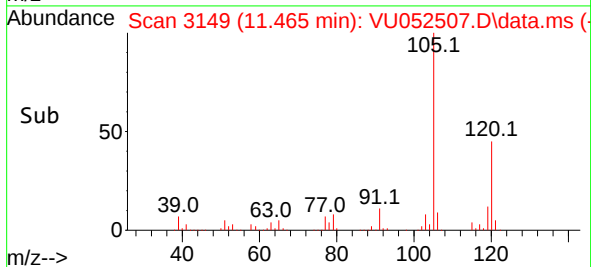
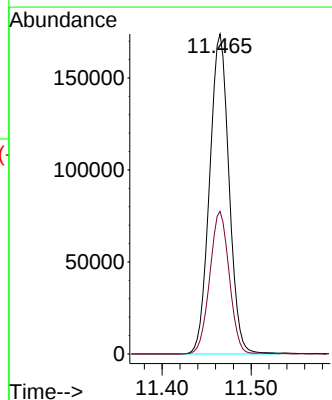
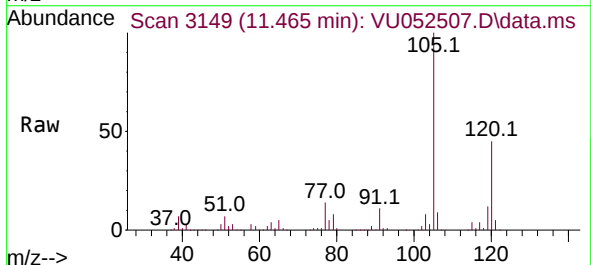
Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

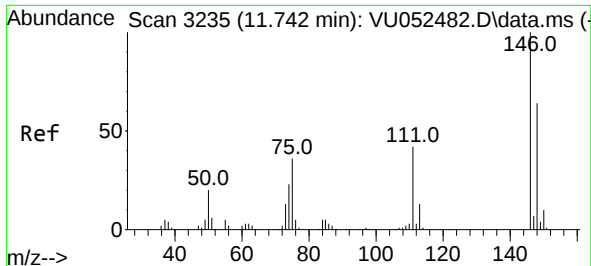
Tgt Ion:105 Resp: 254858
Ion Ratio Lower Upper
105 100
120 48.5 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 5.153 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion:105 Resp: 263628
Ion Ratio Lower Upper
105 100
120 44.5 35.6 53.4

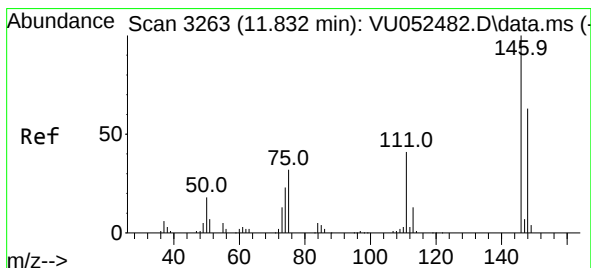
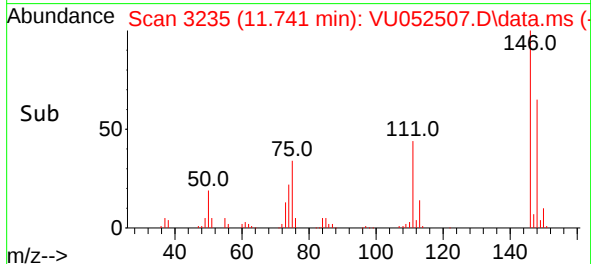
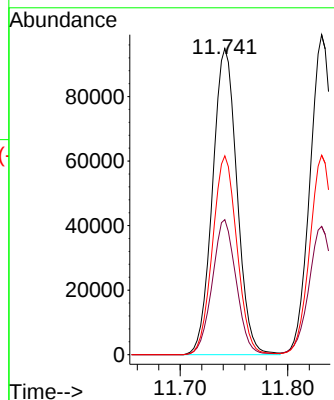
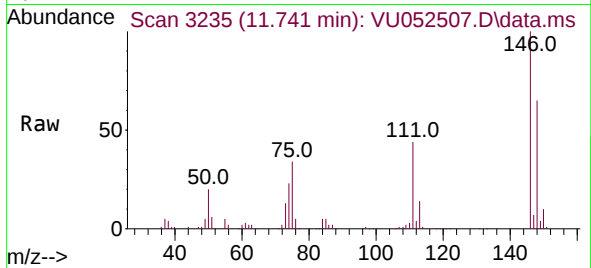




#64
1,3-Dichlorobenzene
Concen: 4.912 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

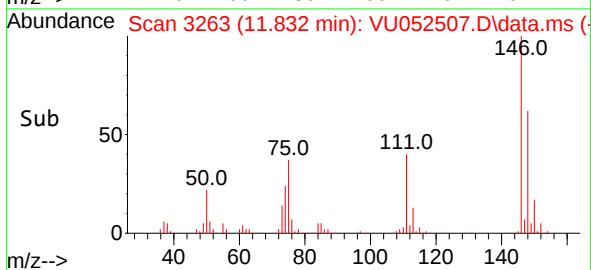
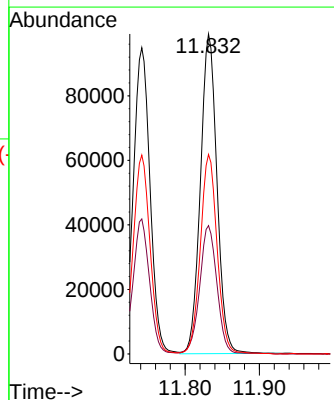
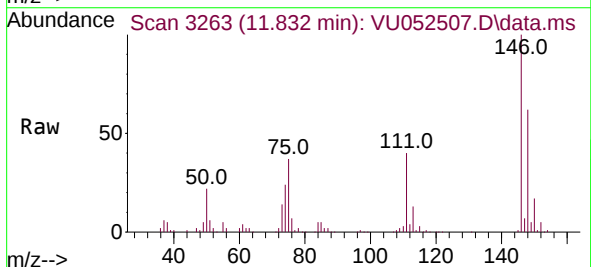
Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

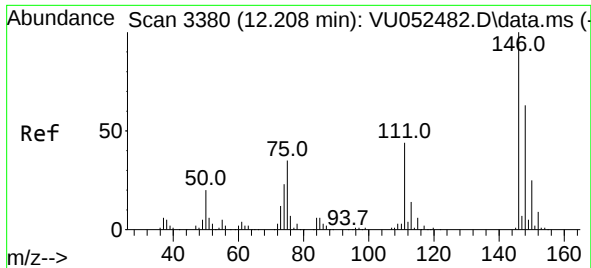
Tgt Ion:146 Resp: 150188
Ion Ratio Lower Upper
146 100
111 44.1 29.9 55.5
148 64.9 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.859 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion:146 Resp: 153646
Ion Ratio Lower Upper
146 100
111 40.1 27.5 51.1
148 62.4 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.941 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005114

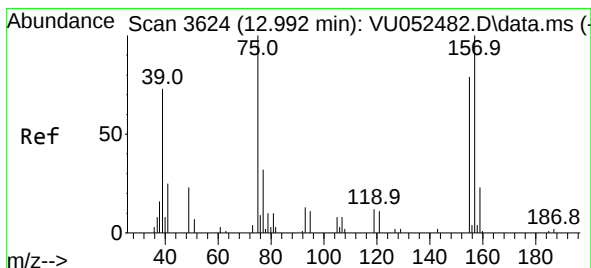
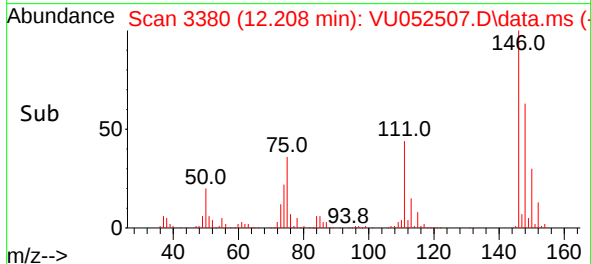
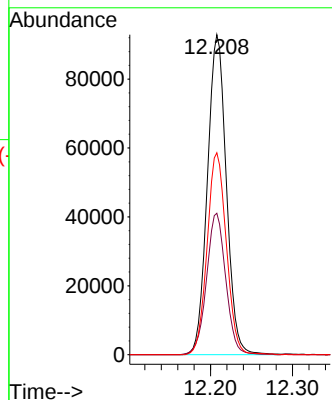
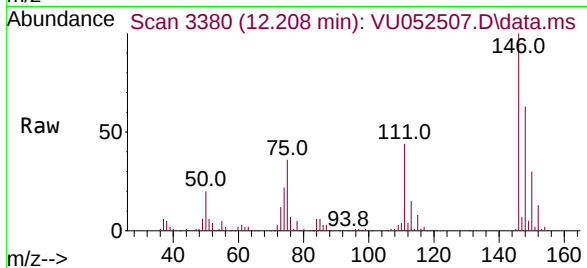
Tgt Ion:146 Resp: 149268

Ion Ratio Lower Upper

146 100

111 44.2 36.6 55.0

148 63.1 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.000 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

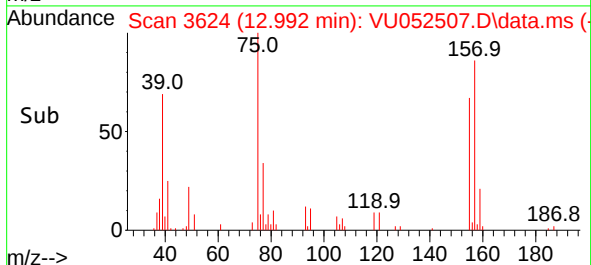
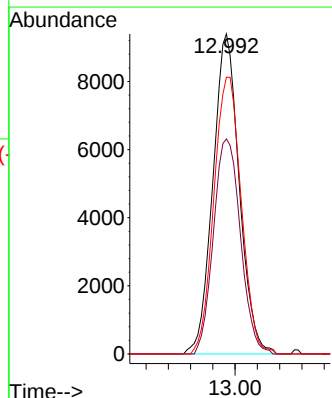
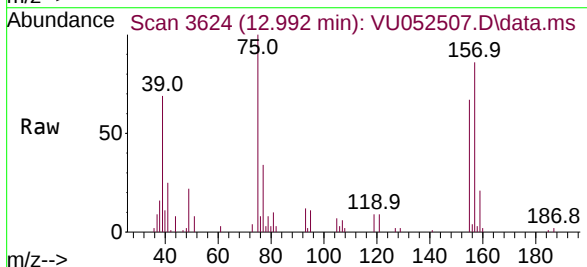
Tgt Ion: 75 Resp: 15434

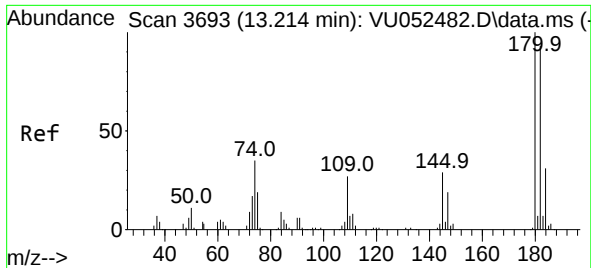
Ion Ratio Lower Upper

75 100

155 67.2 62.2 93.2

157 86.5 73.0 109.4



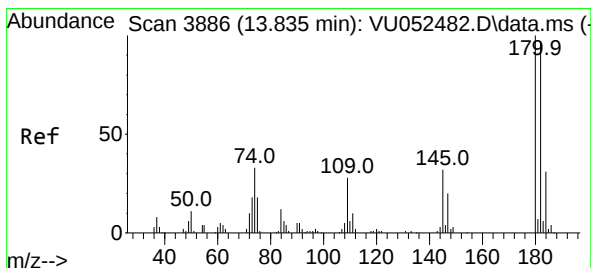
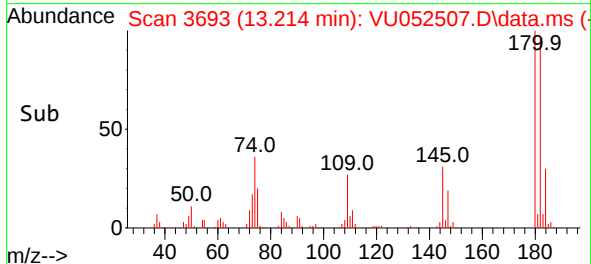
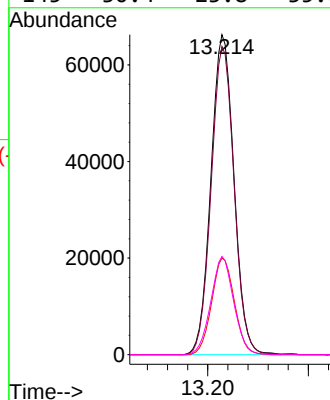
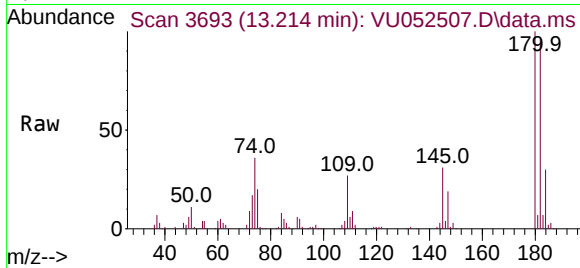


#69
1,3,5-Trichlorobenzene
Concen: 4.689 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD005114

Tgt Ion:180 Resp: 105551

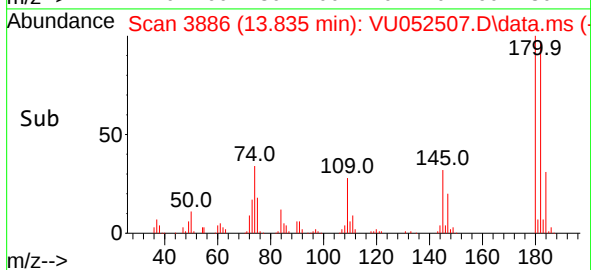
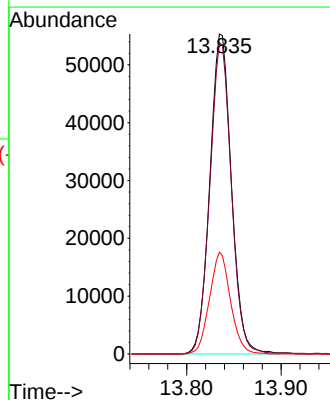
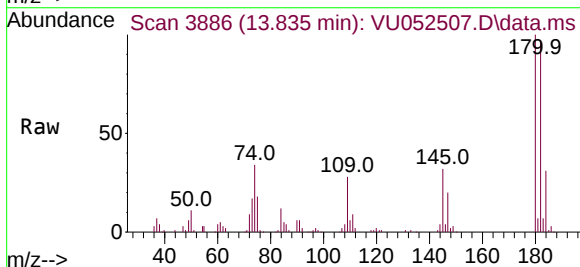
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
184	29.7	23.4	35.0
145	30.4	23.8	35.6

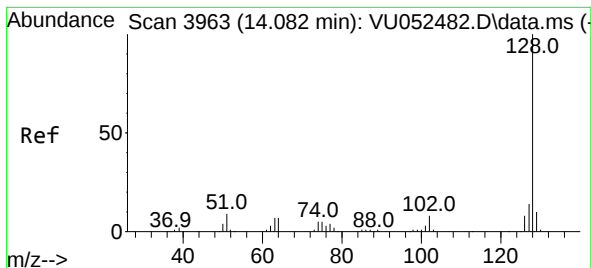


#70
1,2,4-trichlorobenzene
Concen: 4.628 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU052507.D
Acq: 22 Dec 2022 21:18

Tgt Ion:180 Resp: 87680

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.7	116.5
145	30.9	24.0	36.0





#71

Naphthalene

Concen: 4.680 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005114

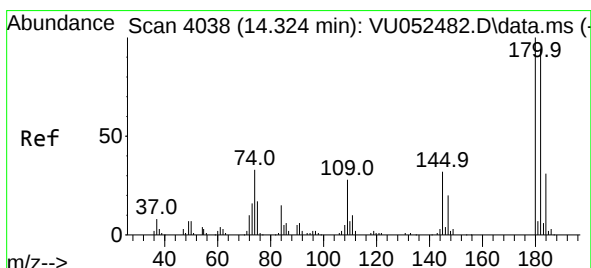
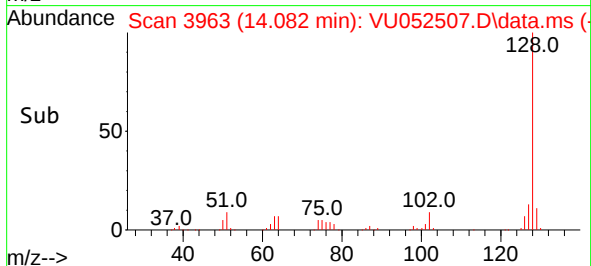
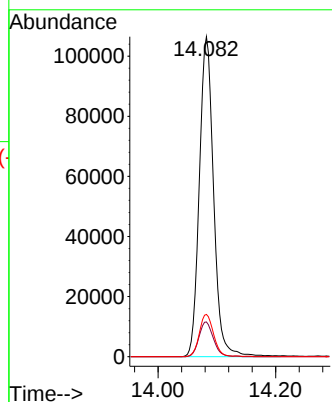
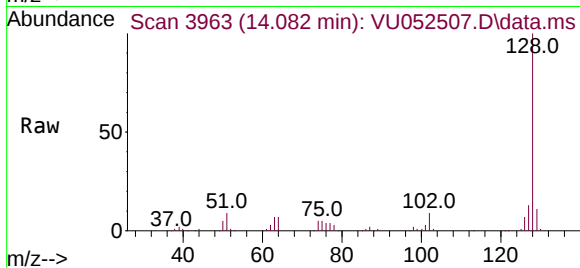
Tgt Ion:128 Resp: 179390

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.2 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.700 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU052507.D

Acq: 22 Dec 2022 21:18

Tgt Ion:180 Resp: 89242

Ion Ratio Lower Upper

180 100

182 93.6 76.3 114.5

145 33.2 25.8 38.8

