

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012123\
 Data File : VU052769.D
 Acq On : 20 Jan 2023 19:10
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005131

Quant Time: Jan 21 01:57:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 21 01:44:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	158793	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	153078	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	86414	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	50343	3.609	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.200%
7) Chloroethane-d5	1.916	69	44900	3.951	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.000%
11) 1,1-Dichloroethene-d2	2.568	65	23706	3.859	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	4.642	46	197160	52.857	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.720%
24) Chloroform-d	5.060	84	113474	4.360	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.697	65	63121	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.723	84	223444	4.504	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	6.687	67	70780	4.281	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.896	98	207454	4.742	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.176	79	29896	4.862	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.200%
46) 2-Hexanone-d5	8.632	63	160518	62.846	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.700%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	67215	5.310	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	12.188	152	79434	5.050	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	66920	3.923	ug/L	98
3) Chloromethane	1.520	50	64943	3.135	ug/L	97
5) Vinyl chloride	1.604	62	68936	3.478	ug/L	99
6) Bromomethane	1.858	94	40783	3.964	ug/L	98
8) Chloroethane	1.935	64	43389	3.600	ug/L	98
9) Trichlorofluoromethane	2.141	101	98410	4.211	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	54711	3.980	ug/L	90
12) 1,1-Dichloroethene	2.581	96	55368	4.022	ug/L	85
13) Acetone	2.671	43	125060	46.748	ug/L	98
14) Carbon disulfide	2.793	76	176558	3.711	ug/L	98
15) Methyl Acetate	2.961	43	28752	4.483	ug/L #	86
16) Methylene chloride	3.044	84	74128	4.046	ug/L	87
17) Methyl tert-butyl Ether	3.362	73	160147	5.257	ug/L	97
18) trans-1,2-Dichloroethene	3.350	96	60038	4.276	ug/L	89
19) 1,1-Dichloroethane	3.867	63	113167	3.882	ug/L	98
21) 2-Butanone	4.723	43	209211	48.581	ug/L	92
22) cis-1,2-Dichloroethene	4.661	96	68222	4.525	ug/L	92
23) Bromochloromethane	4.973	128	32408	5.077	ug/L #	80
25) Chloroform	5.083	83	117447	4.098	ug/L	99

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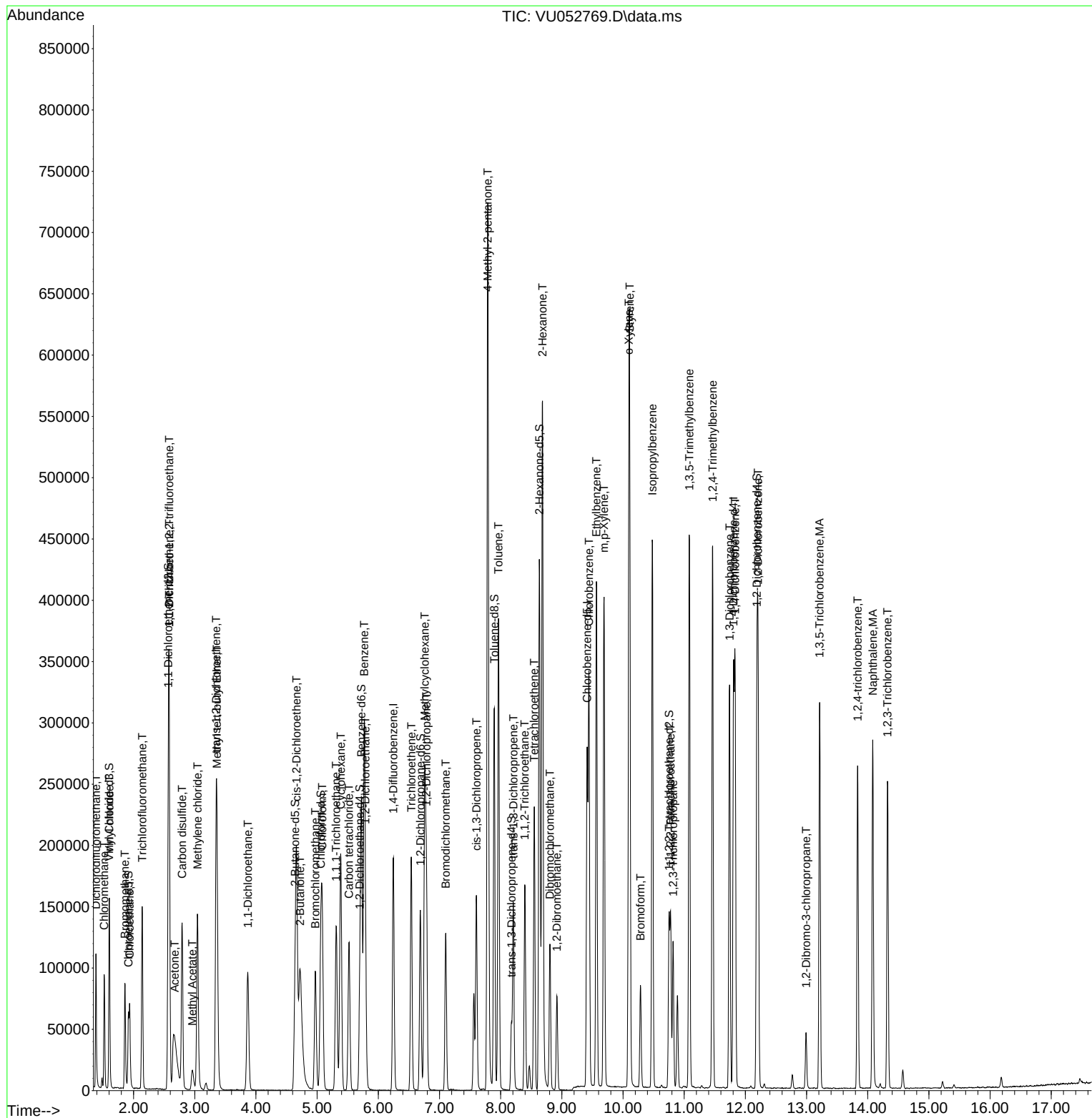
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	80685	4.645	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	101381	4.221	ug/L	95
30) Cyclohexane	5.385	56	96419	3.990	ug/L	91
31) Carbon tetrachloride	5.520	117	84697	4.501	ug/L	99
33) Benzene	5.771	78	264890	4.372	ug/L	100
34) Trichloroethene	6.539	95	65392	4.563	ug/L	93
35) Methylcyclohexane	6.761	83	101694	4.297	ug/L	93
37) 1,2-Dichloropropane	6.787	63	67471	4.150	ug/L	98
38) Bromodichloromethane	7.102	83	86051	4.495	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	97432	4.721	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	475753	51.159	ug/L #	93
42) Toluene	7.964	91	277132	4.592	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	87363	4.903	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	52081	5.092	ug/L	96
47) Tetrachloroethene	8.549	164	51334	4.861	ug/L	96
48) 2-Hexanone	8.684	43	354966	52.132	ug/L #	94
49) Dibromochloromethane	8.806	129	61610	5.211	ug/L	97
50) 1,2-Dibromoethane	8.919	107	51471	5.474	ug/L #	100
51) Chlorobenzene	9.443	112	179384	4.771	ug/L	95
52) Ethylbenzene	9.565	91	291125	4.735	ug/L	98
53) m,p-Xylene	9.690	106	117014	5.024	ug/L	96
54) o-Xylene	10.095	106	114897	5.160	ug/L	99
55) Styrene	10.108	104	195413	5.145	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	68241	5.108	ug/L	99
59) Bromoform	10.285	173	37796	5.625	ug/L	99
60) Isopropylbenzene	10.478	105	295126	4.818	ug/L	98
61) 1,2,3-Trichloropropane	10.819	75	49343	4.913	ug/L	94
62) 1,3,5-Trimethylbenzene	11.082	105	245408	5.023	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	243326	4.944	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	137777	4.729	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	138787	4.669	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	134632	4.911	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	11682	5.043	ug/L #	69
69) 1,3,5-Trichlorobenzene	13.214	180	100682	4.652	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	83103	4.788	ug/L	97
71) Naphthalene	14.082	128	229968	7.632	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	80116	5.038	ug/L	99

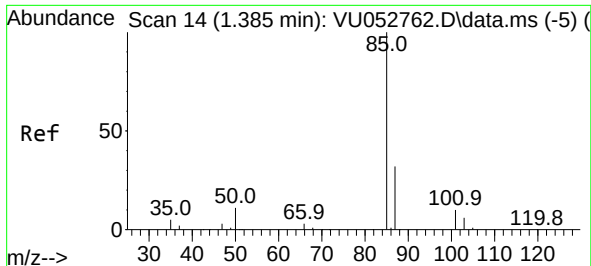
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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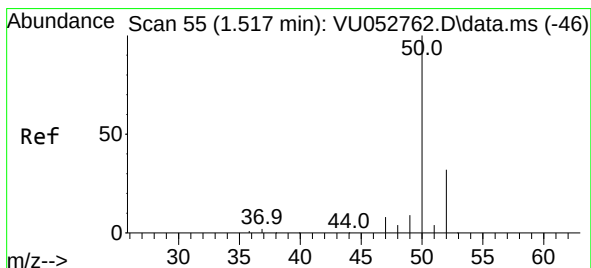
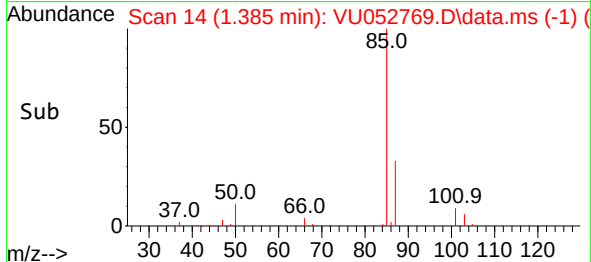
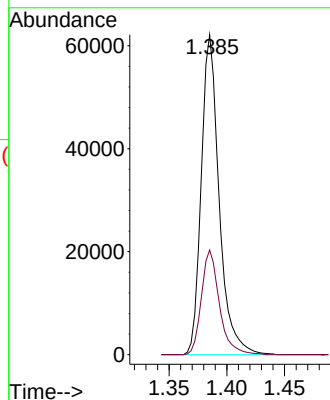
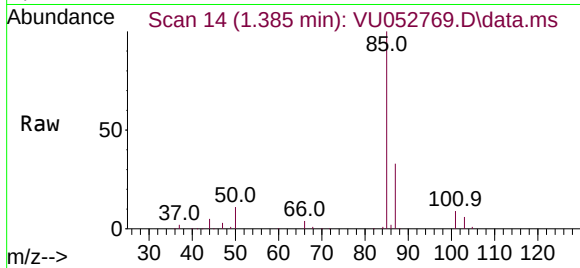




#2
 Dichlorodifluoromethane
 Concen: 3.923 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VU052769.D
 Acq: 20 Jan 2023 19:10

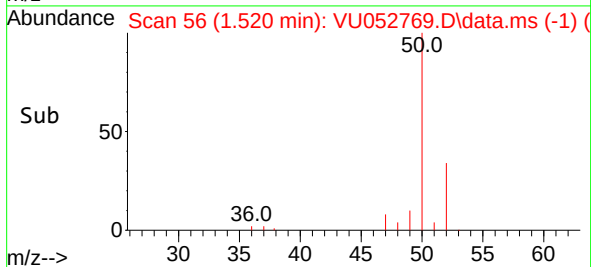
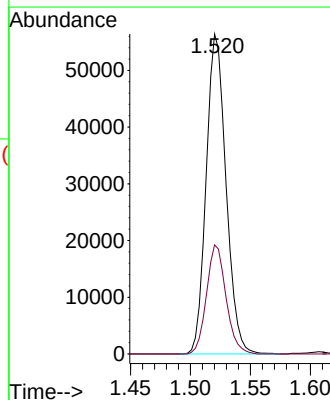
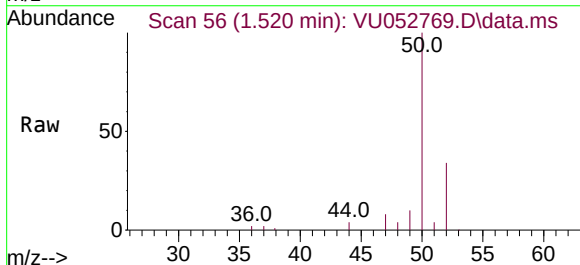
Instrument :
 MSVOA_U
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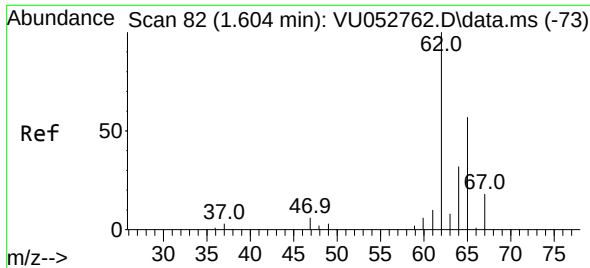
Tgt Ion: 85 Resp: 66920
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.5 38.3



#3
 Chloromethane
 Concen: 3.135 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VU052769.D
 Acq: 20 Jan 2023 19:10

Tgt Ion: 50 Resp: 64943
 Ion Ratio Lower Upper
 50 100
 52 34.1 22.7 42.3

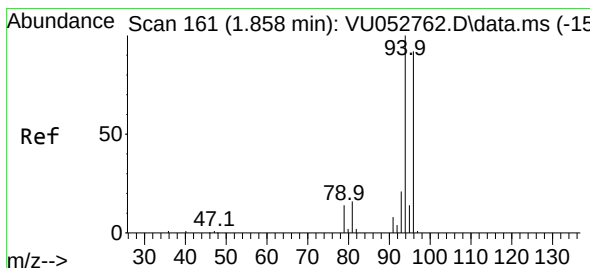
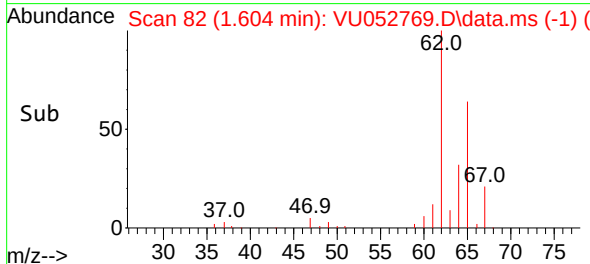
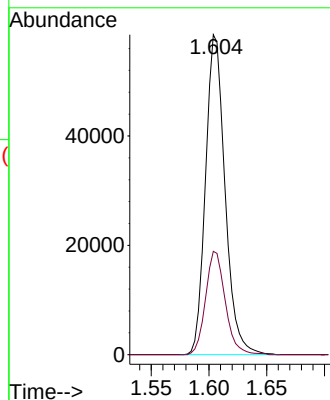
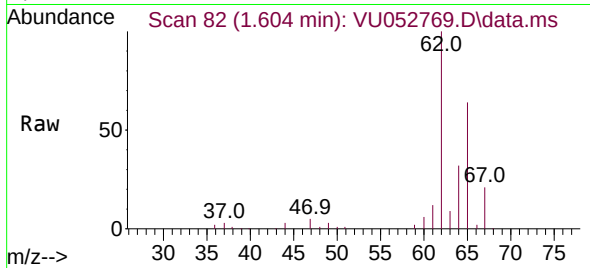




#5
 Vinyl chloride
 Concen: 3.478 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052769.D
 Acq: 20 Jan 2023 19:10

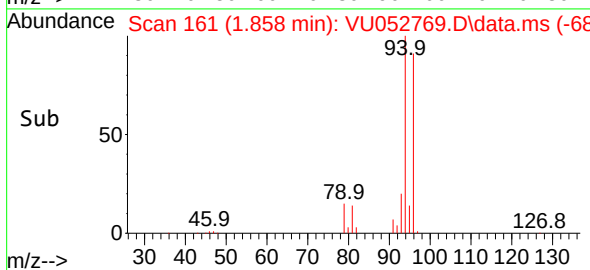
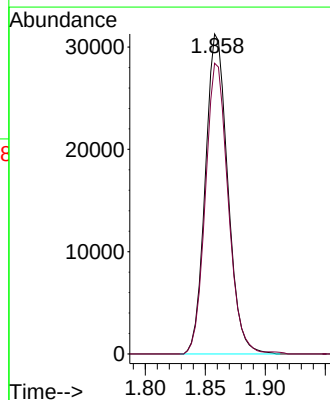
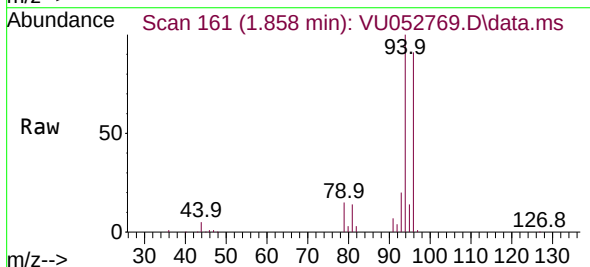
Instrument :
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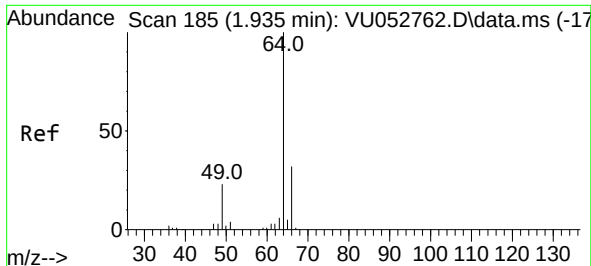
Tgt Ion: 62 Resp: 68936
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.3 41.3



#6
 Bromomethane
 Concen: 3.964 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052769.D
 Acq: 20 Jan 2023 19:10

Tgt Ion: 94 Resp: 40783
 Ion Ratio Lower Upper
 94 100
 96 90.9 62.2 115.6

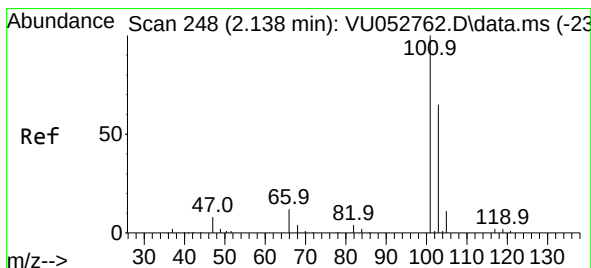
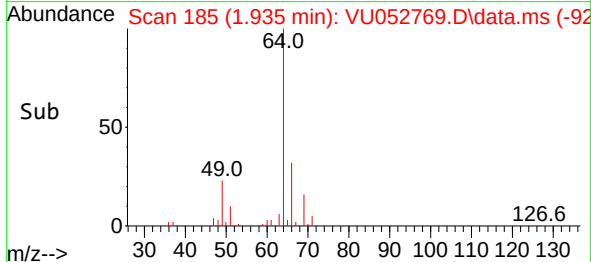
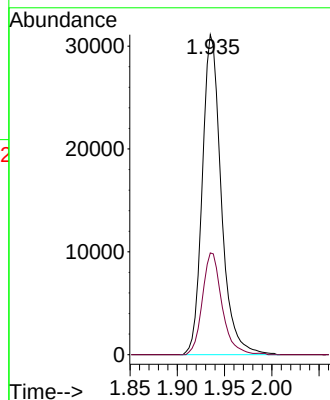
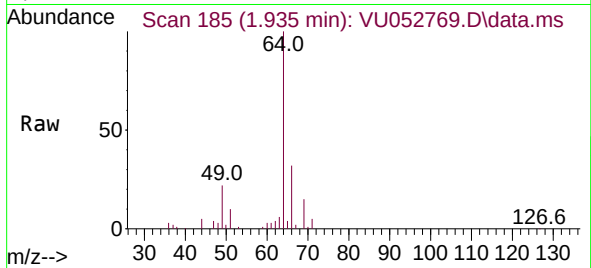




#8
Chloroethane
Concen: 3.600 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

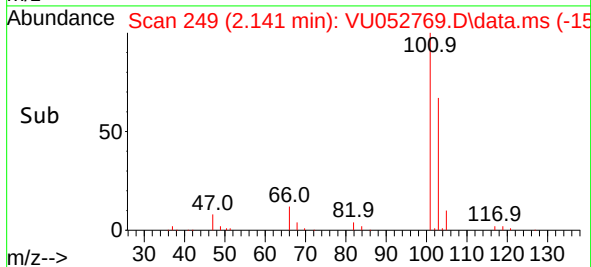
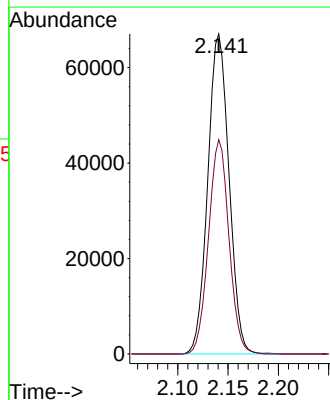
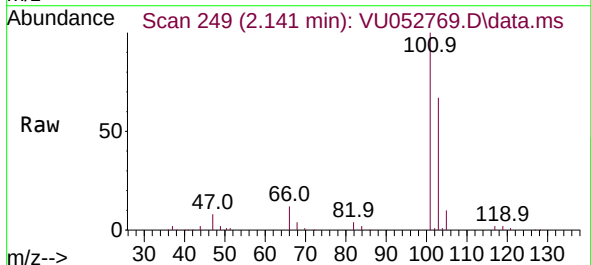
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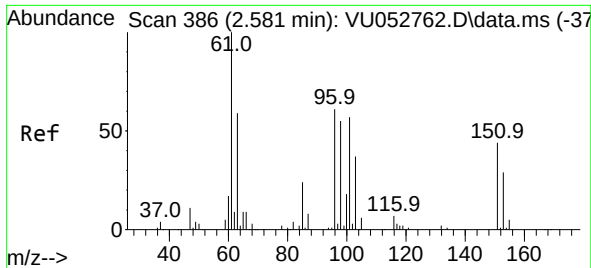
Tgt Ion: 64 Resp: 43389
Ion Ratio Lower Upper
64 100
66 31.8 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.211 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion:101 Resp: 98410
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.6

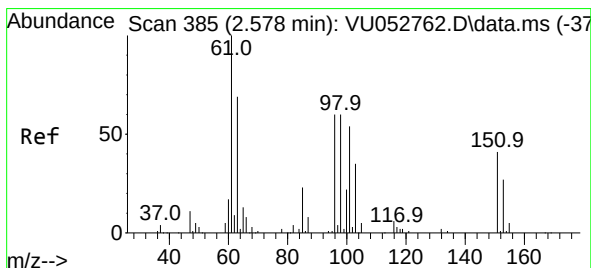
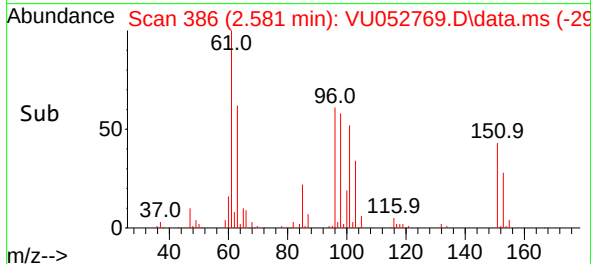
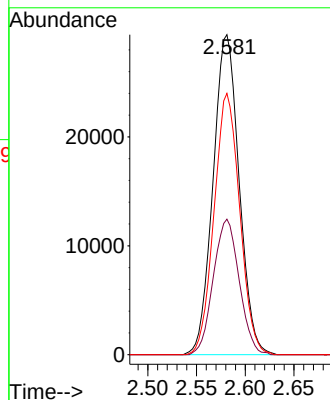
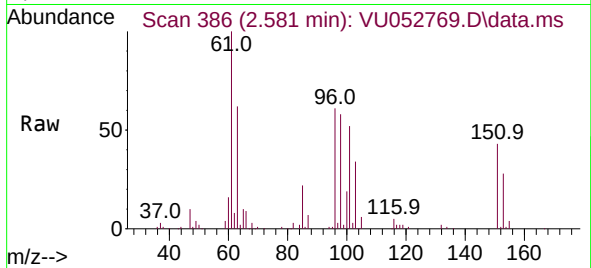




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.980 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU052769.D
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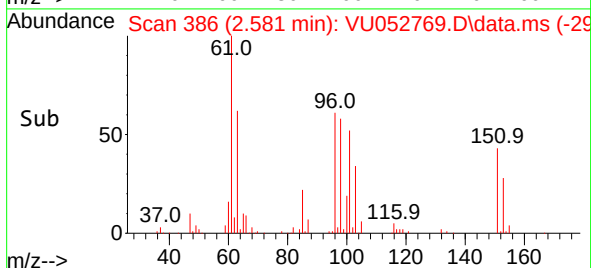
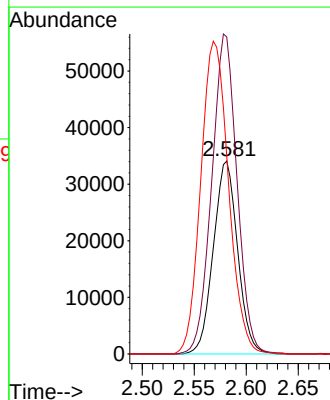
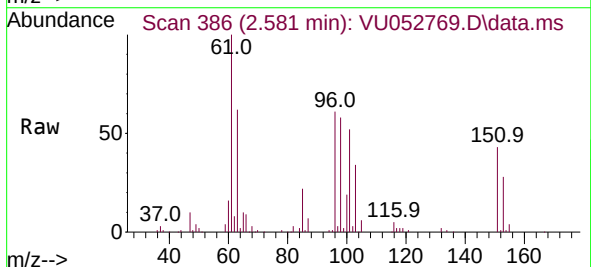
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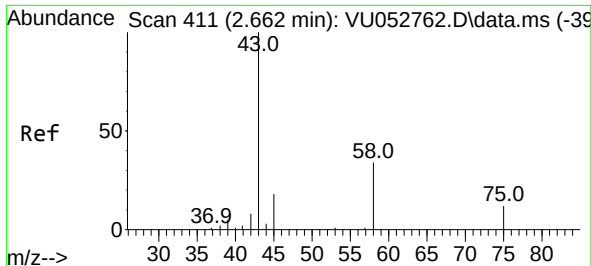
Tgt Ion:101 Resp: 54711
Ion Ratio Lower Upper
101 100
85 42.0 35.0 52.6
151 80.4 55.0 82.6



#12
1,1-Dichloroethene
Concen: 4.022 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion: 96 Resp: 55368
Ion Ratio Lower Upper
96 100
61 164.3 129.6 240.8
63 102.5 83.7 155.5





#13

Acetone

Concen: 46.748 ug/L

RT: 2.671 min Scan# 411

Delta R.T. 0.010 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

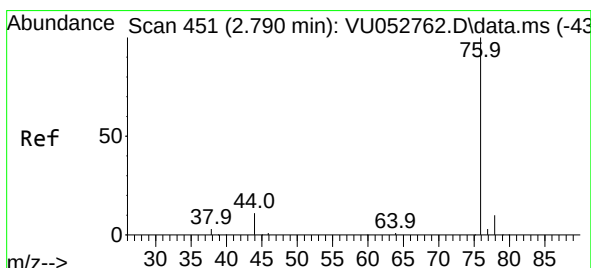
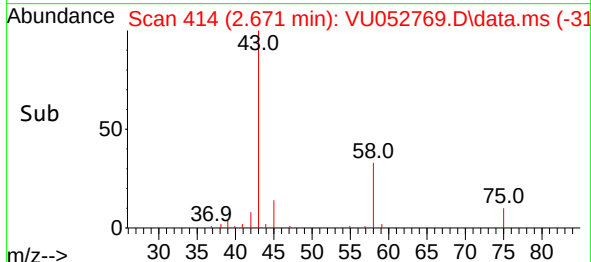
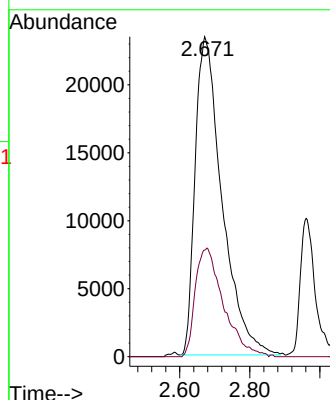
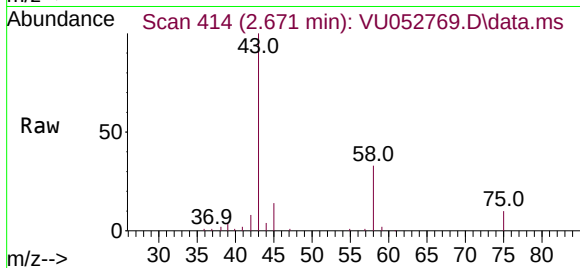
VSTD005131

Tgt Ion: 43 Resp: 125060

Ion Ratio Lower Upper

43 100

58 35.7 0.0 68.8



#14

Carbon disulfide

Concen: 3.711 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU052769.D

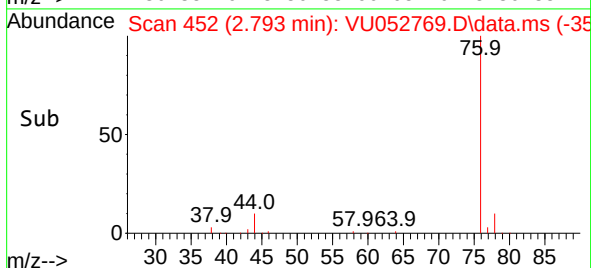
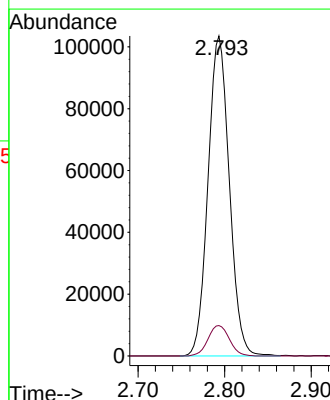
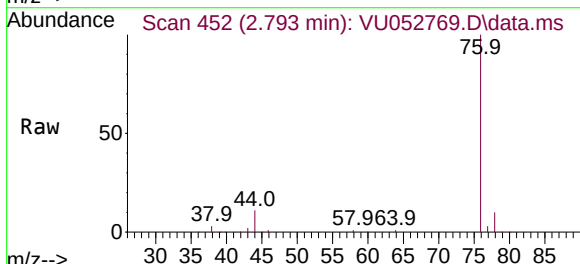
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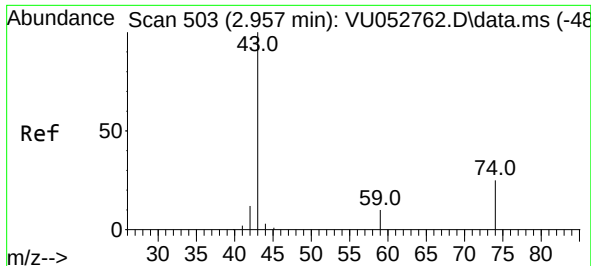
Tgt Ion: 76 Resp: 176558

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

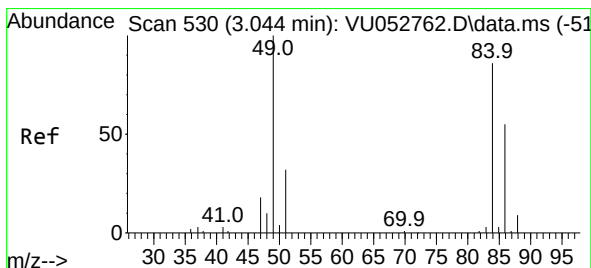
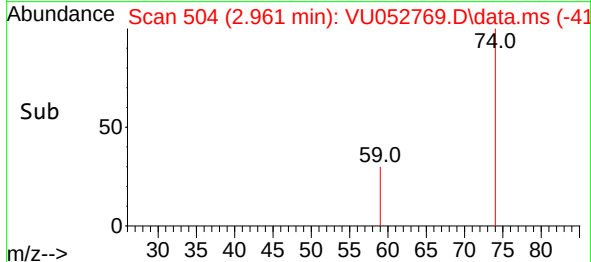
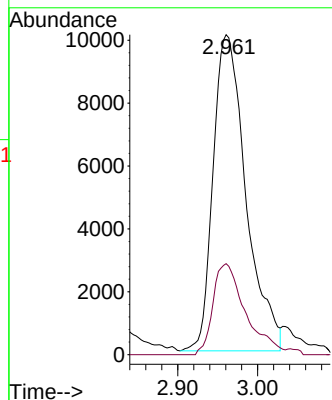
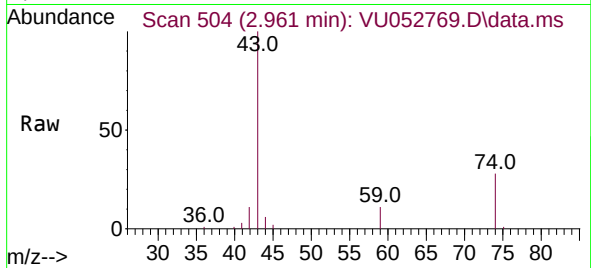




#15
Methyl Acetate
Concen: 4.483 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

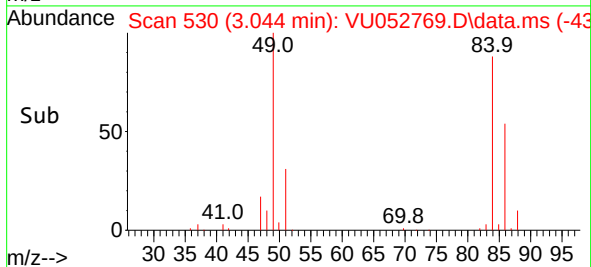
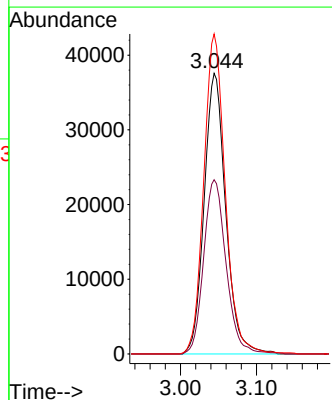
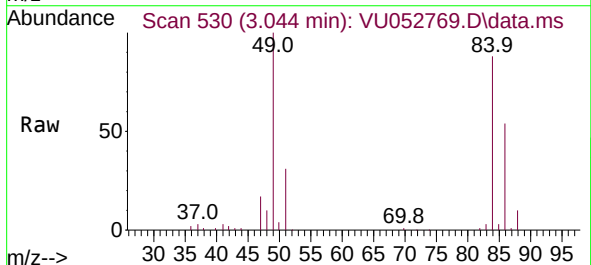
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

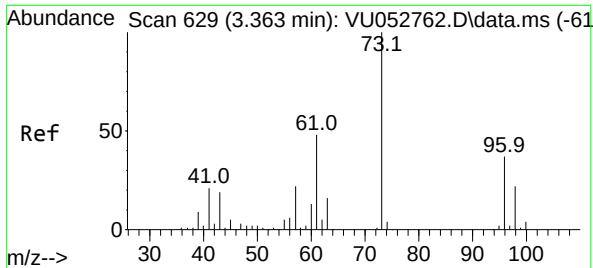
Tgt Ion: 43 Resp: 28752
Ion Ratio Lower Upper
43 100
74 28.5 17.5 26.3#



#16
Methylene chloride
Concen: 4.046 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion: 84 Resp: 74128
Ion Ratio Lower Upper
84 100
86 62.1 45.6 84.6
49 114.0 94.8 176.0

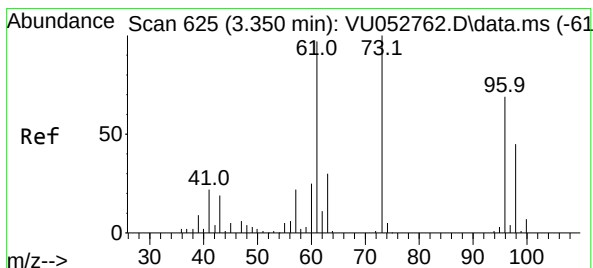
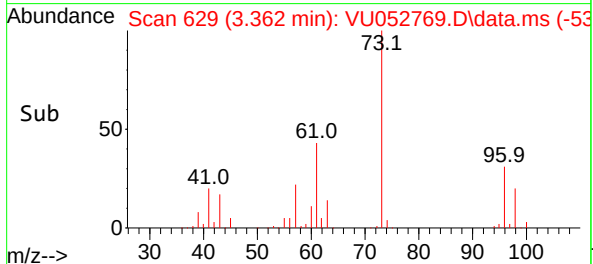
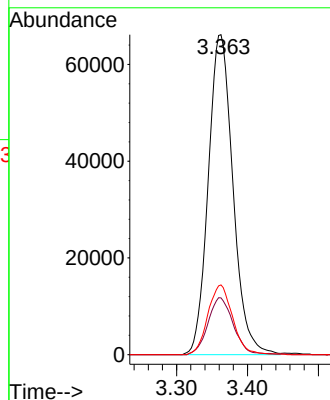
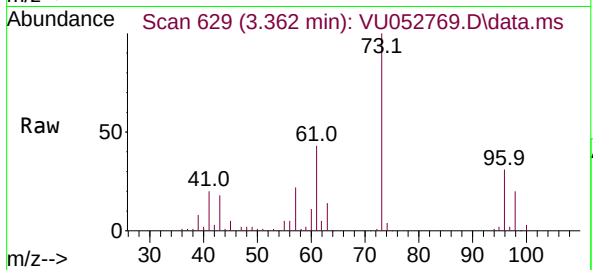




#17
Methyl tert-butyl Ether
Concen: 5.257 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

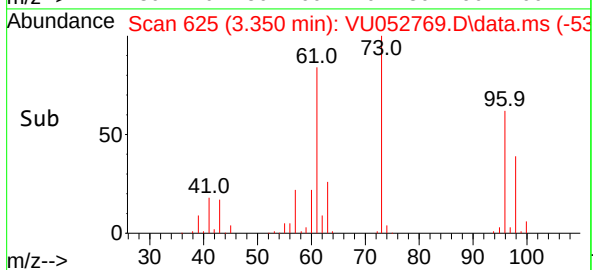
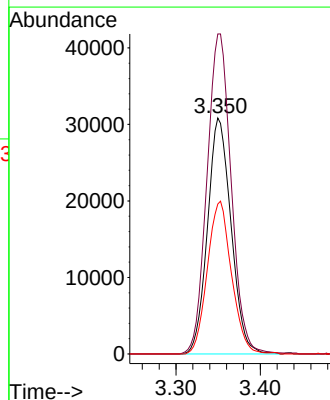
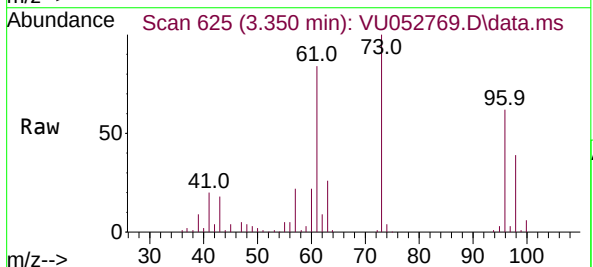
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

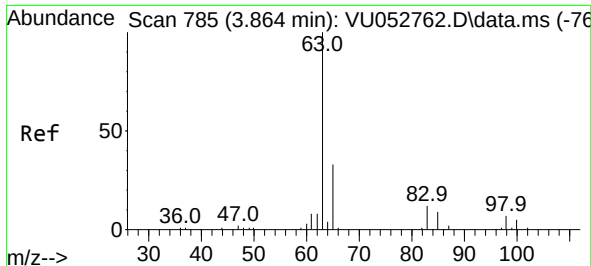
Tgt Ion: 73 Resp: 160147
Ion Ratio Lower Upper
73 100
43 18.4 15.8 23.8
57 21.8 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.276 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion: 96 Resp: 60038
Ion Ratio Lower Upper
96 100
61 135.5 108.4 201.4
98 63.5 43.8 81.4





#19

1,1-Dichloroethane

Concen: 3.882 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005131

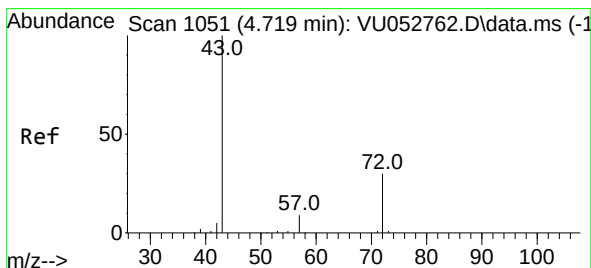
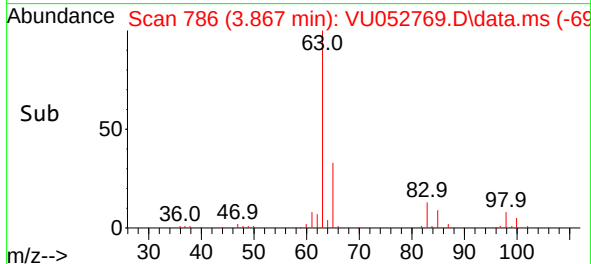
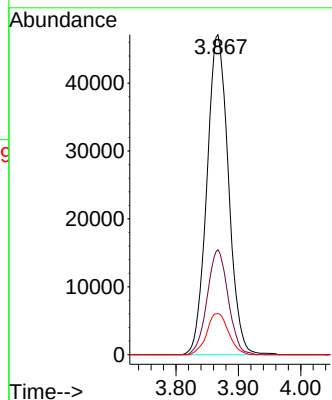
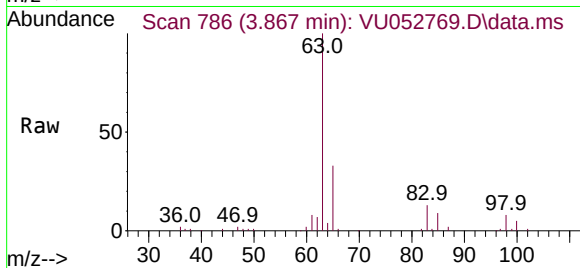
Tgt Ion: 63 Resp: 113167

Ion Ratio Lower Upper

63 100

65 32.8 22.0 41.0

83 12.8 8.9 16.5



#21

2-Butanone

Concen: 48.581 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. 0.003 min

Lab File: VU052769.D

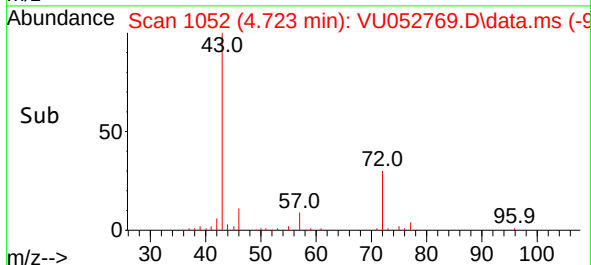
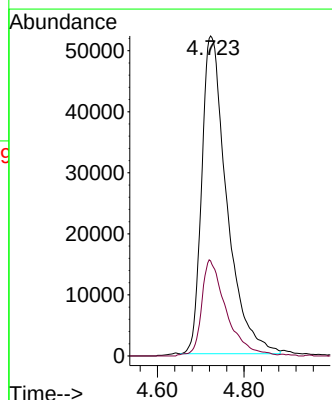
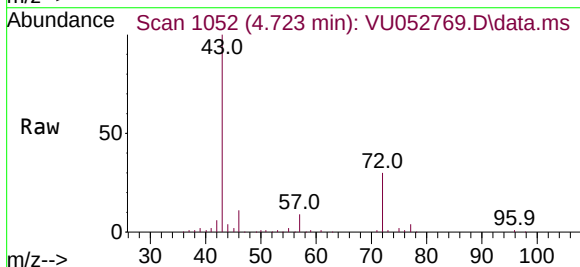
Acq: 20 Jan 2023 19:10

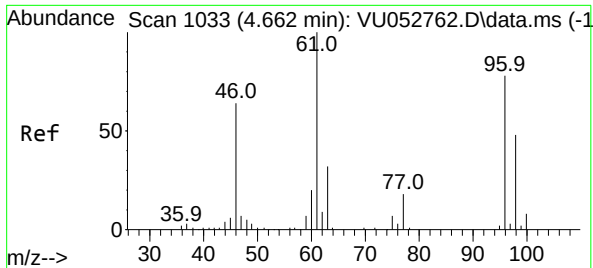
Tgt Ion: 43 Resp: 209211

Ion Ratio Lower Upper

43 100

72 29.8 12.9 38.6

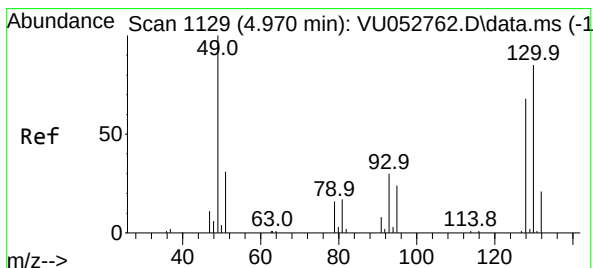
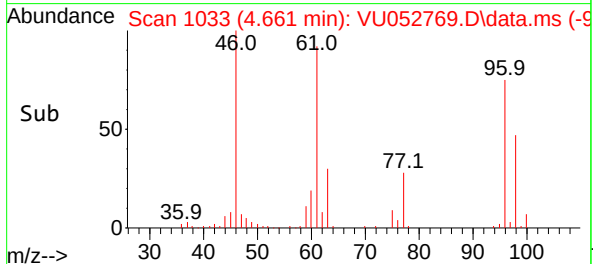
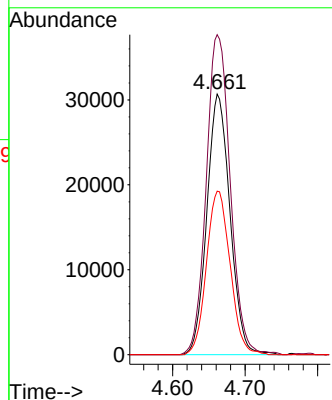
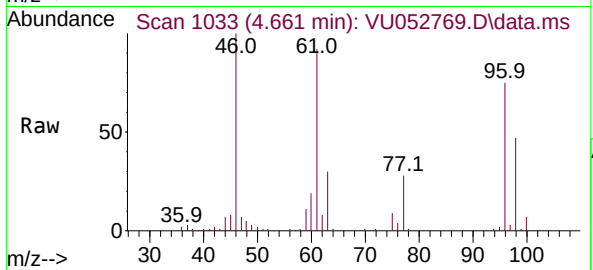




#22
 cis-1,2-Dichloroethene
 Concen: 4.525 ug/L
 RT: 4.661 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU052769.D
 Acq: 20 Jan 2023 19:10

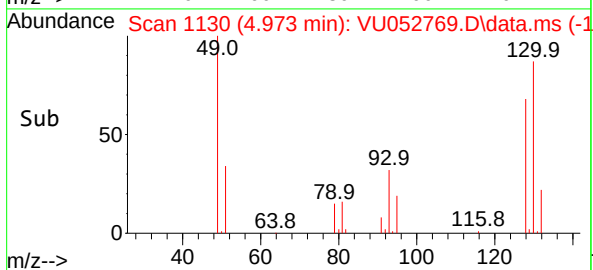
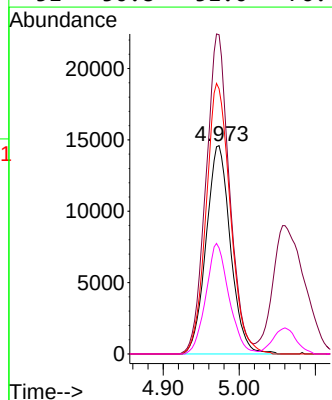
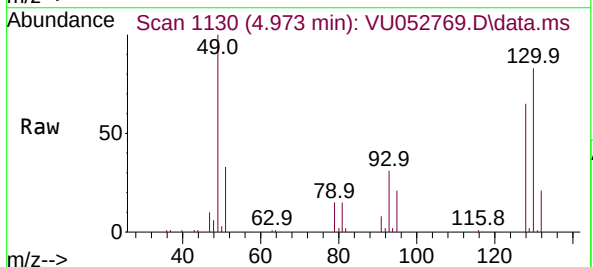
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005131

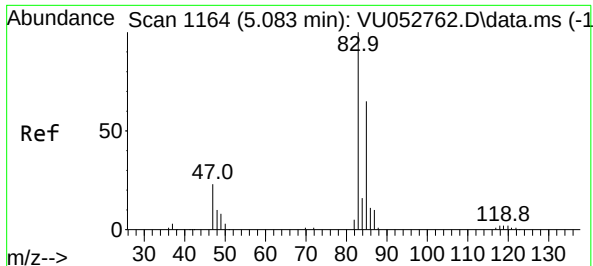
Tgt Ion: 96 Resp: 68222
 Ion Ratio Lower Upper
 96 100
 61 122.8 94.6 175.8
 98 62.8 43.3 80.3



#23
 Bromochloromethane
 Concen: 5.077 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VU052769.D
 Acq: 20 Jan 2023 19:10

Tgt Ion: 128 Resp: 32408
 Ion Ratio Lower Upper
 128 100
 49 153.3 142.8 265.2
 130 127.3 91.3 169.5
 51 50.8 51.0 76.4#





#25

Chloroform

Concen: 4.098 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

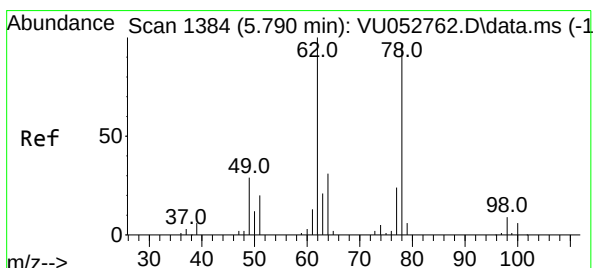
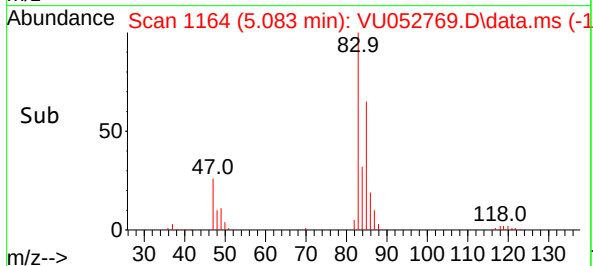
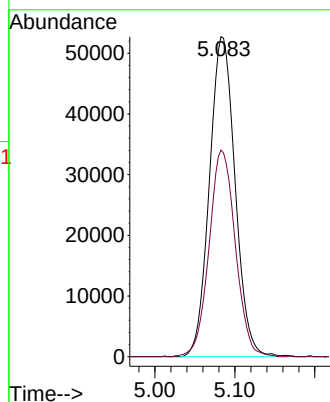
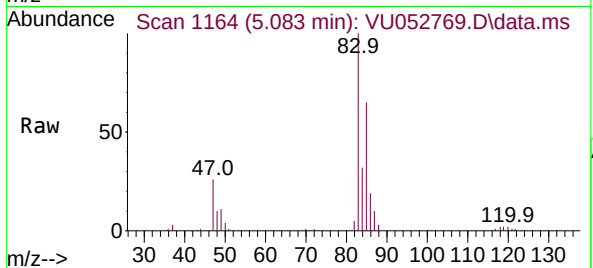
VSTD005131

Tgt Ion: 83 Resp: 117447

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.645 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU052769.D

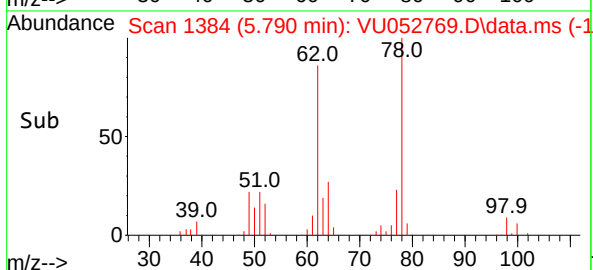
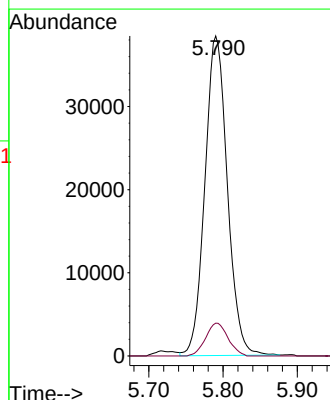
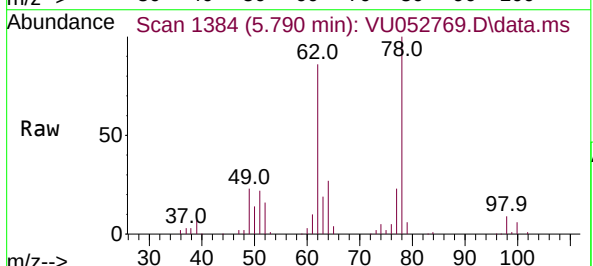
Acq: 20 Jan 2023 19:10

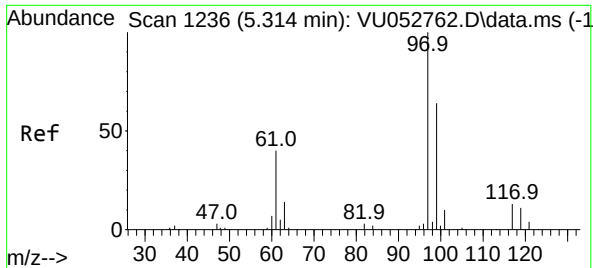
Tgt Ion: 62 Resp: 80685

Ion Ratio Lower Upper

62 100

98 10.3 7.5 11.3

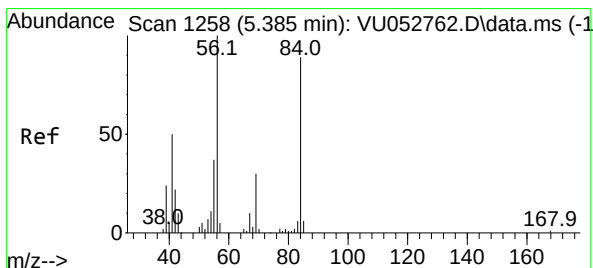
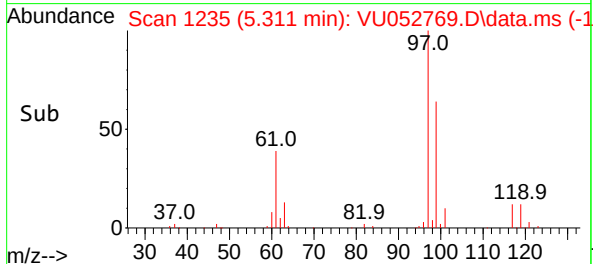
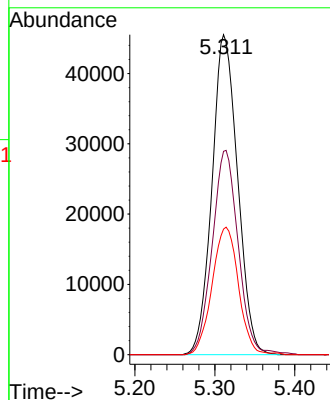
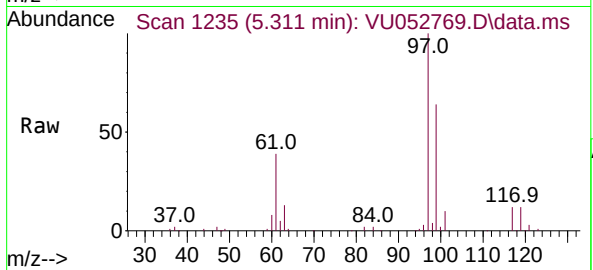




#29
1,1,1-Trichloroethane
Concen: 4.221 ug/L
RT: 5.311 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

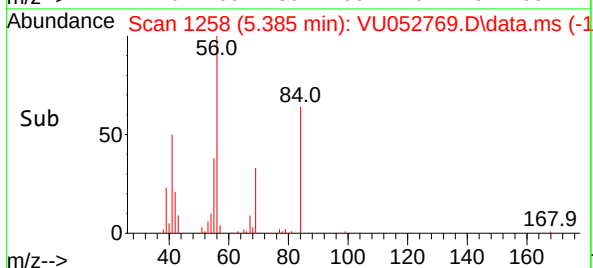
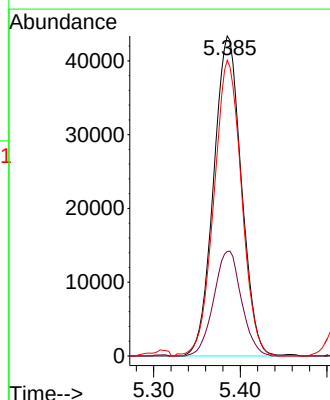
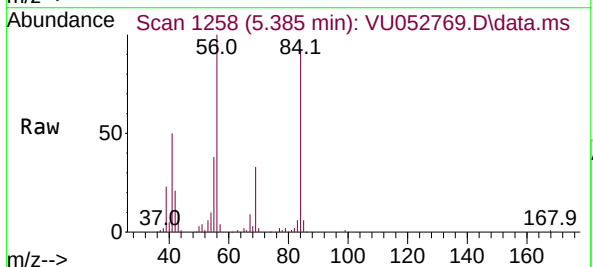
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

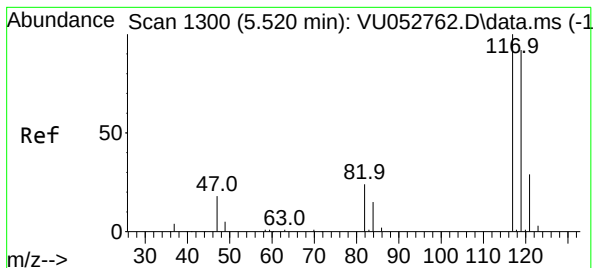
Tgt Ion: 97 Resp: 101381
Ion Ratio Lower Upper
97 100
99 64.9 52.4 78.6
61 40.9 38.5 57.7



#30
Cyclohexane
Concen: 3.990 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion: 56 Resp: 96419
Ion Ratio Lower Upper
56 100
69 32.7 23.8 35.8
84 92.1 66.2 99.4





#31

Carbon tetrachloride

Concen: 4.501 ug/L

RT: 5.520 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

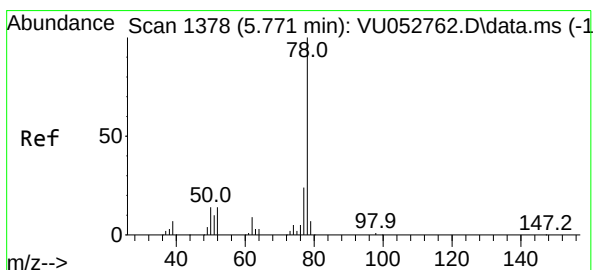
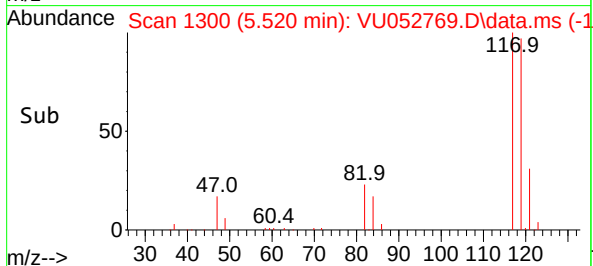
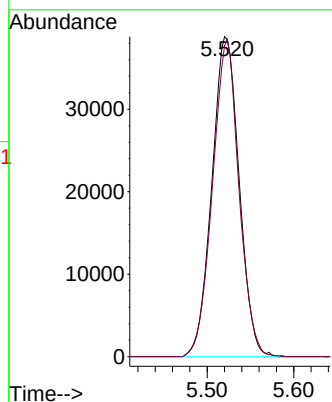
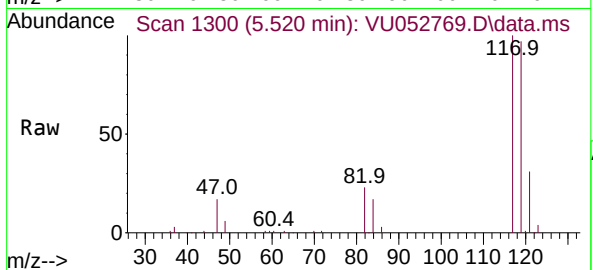
VSTD005131

Tgt Ion:117 Resp: 84697

Ion Ratio Lower Upper

117 100

119 96.2 77.8 116.8



#33

Benzene

Concen: 4.372 ug/L

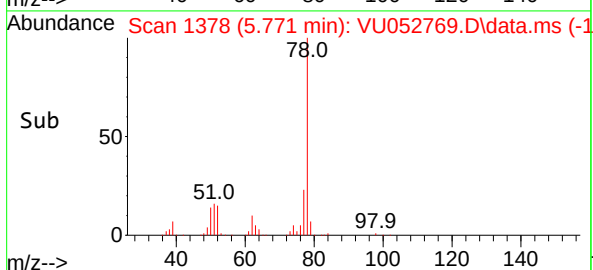
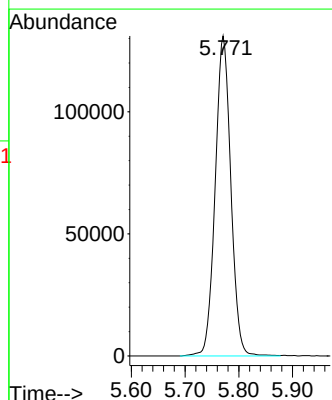
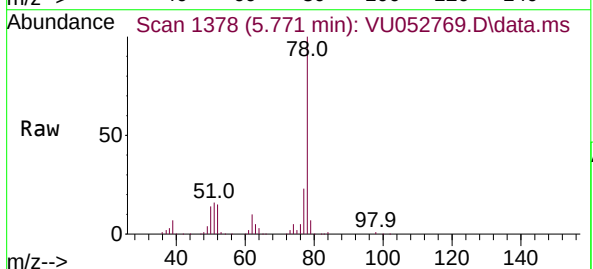
RT: 5.771 min Scan# 1378

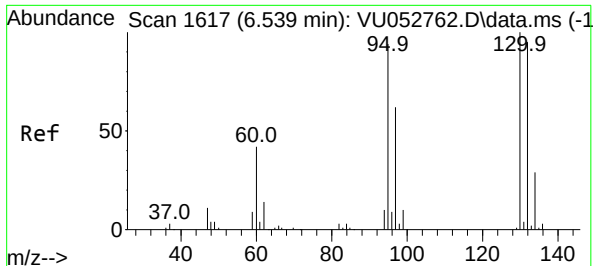
Delta R.T. -0.000 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Tgt Ion: 78 Resp: 264890



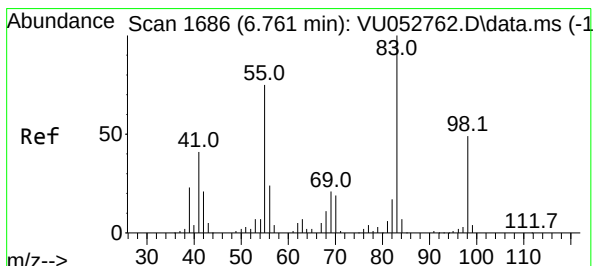
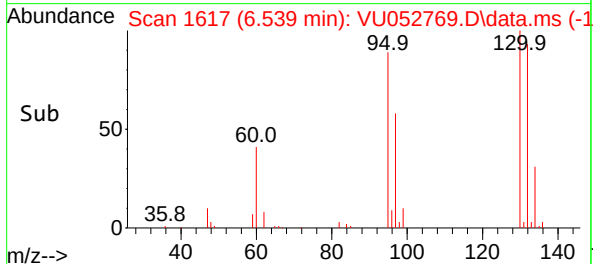
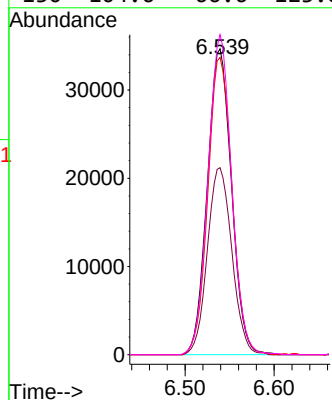
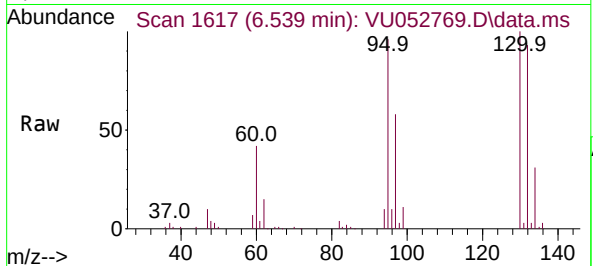


#34
Trichloroethene
Concen: 4.563 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

Tgt Ion: 95 Resp: 65392

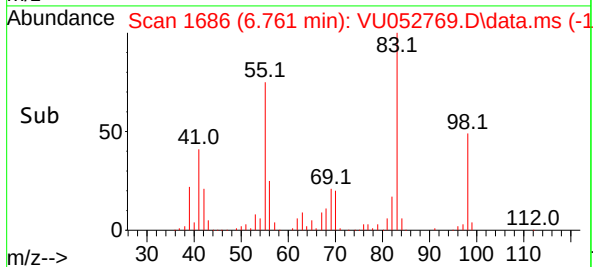
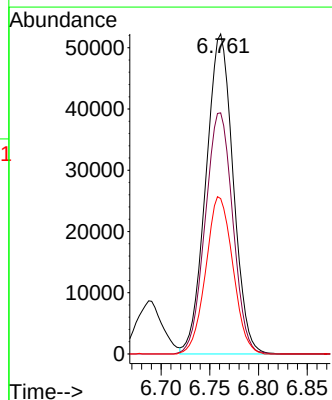
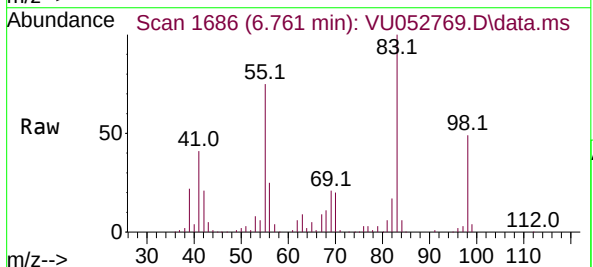
Ion	Ratio	Lower	Upper
95	100		
97	61.2	46.0	85.4
132	97.2	64.0	118.8
130	104.6	66.6	123.8

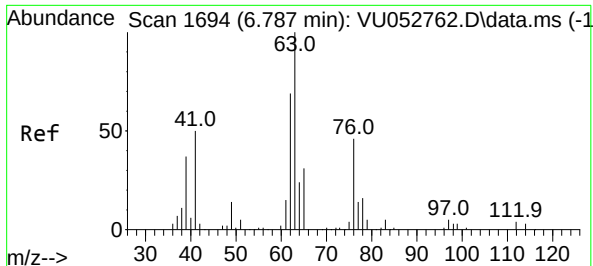


#35
Methylcyclohexane
Concen: 4.297 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion: 83 Resp: 101694

Ion	Ratio	Lower	Upper
83	100		
55	76.2	67.6	101.4
98	48.8	37.1	55.7





#37

1,2-Dichloropropane

Concen: 4.150 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

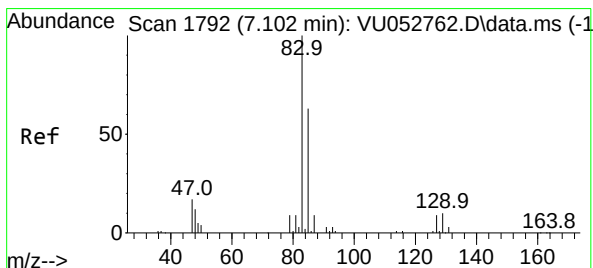
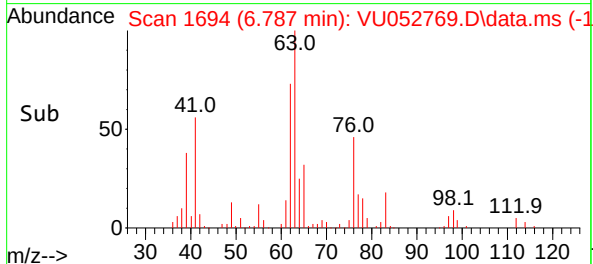
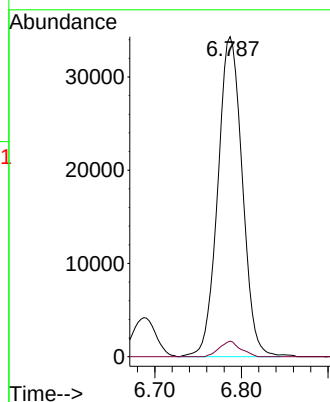
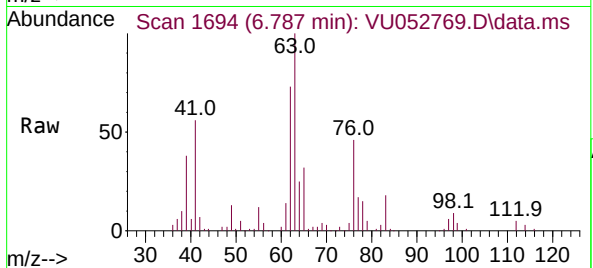
VSTD005131

Tgt Ion: 63 Resp: 67471

Ion Ratio Lower Upper

63 100

112 4.1 2.9 4.3



#38

Bromodichloromethane

Concen: 4.495 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

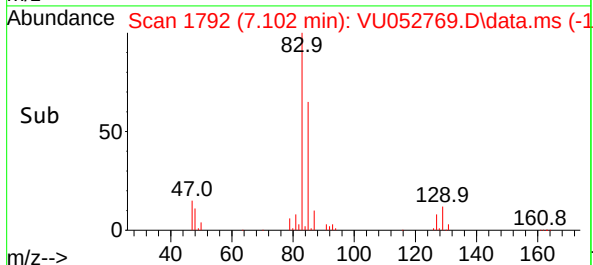
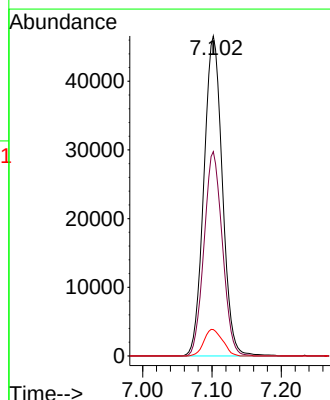
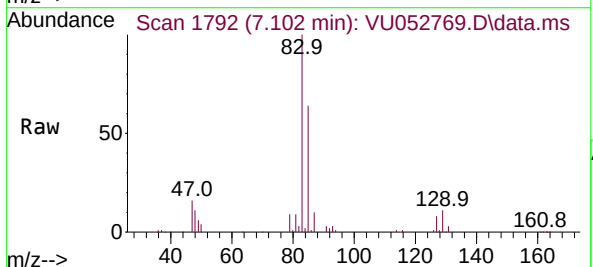
Tgt Ion: 83 Resp: 86051

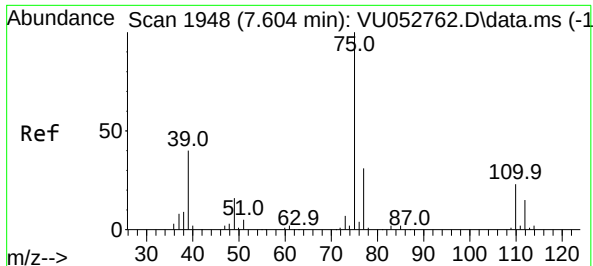
Ion Ratio Lower Upper

83 100

85 63.8 47.0 87.4

127 8.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.721 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

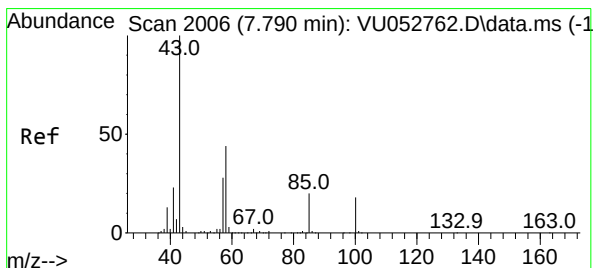
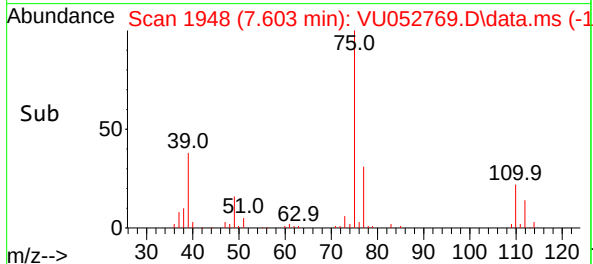
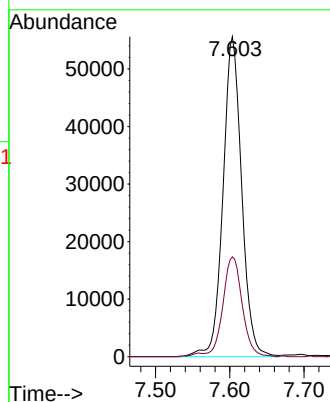
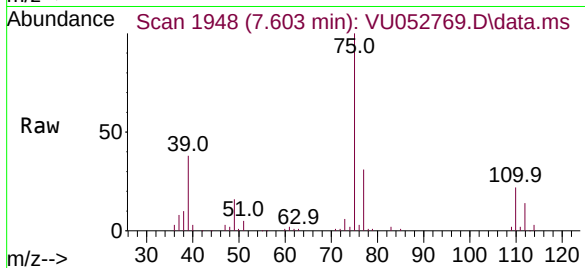
VSTD005131

Tgt Ion: 75 Resp: 97432

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 51.159 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

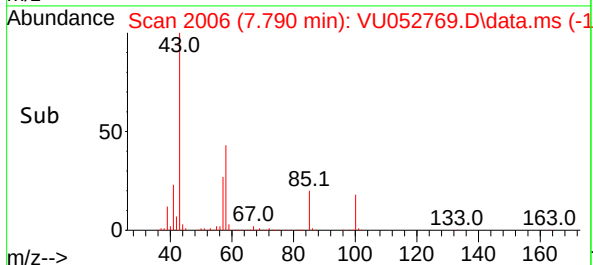
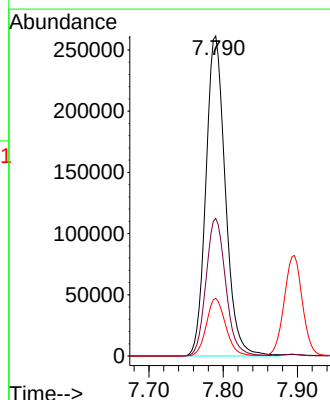
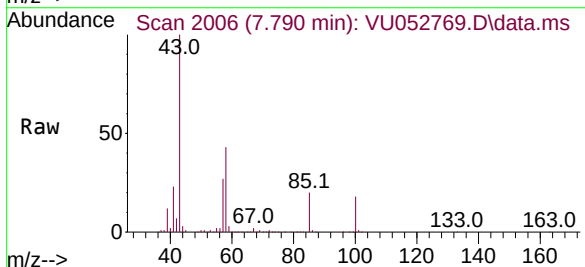
Tgt Ion: 43 Resp: 475753

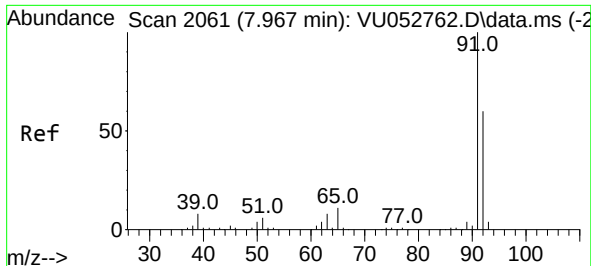
Ion Ratio Lower Upper

43 100

58 43.5 32.0 48.0

100 17.9 11.3 16.9





#42

Toluene

Concen: 4.592 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

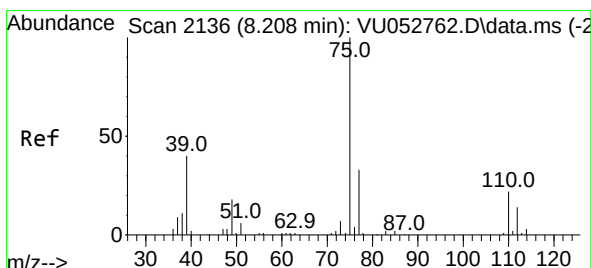
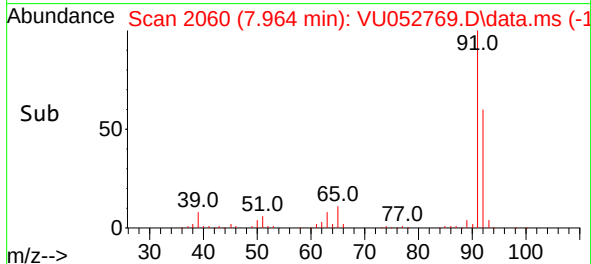
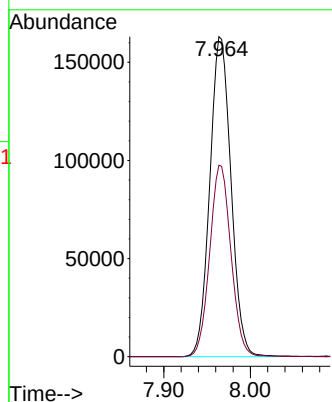
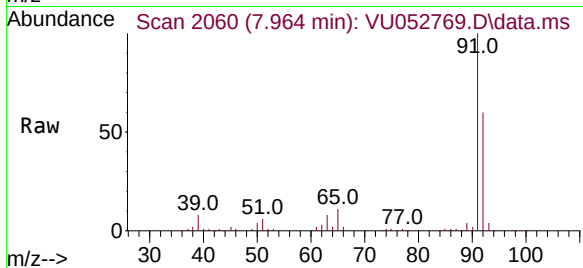
VSTD005131

Tgt Ion: 91 Resp: 277132

Ion Ratio Lower Upper

91 100

92 59.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.903 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052769.D

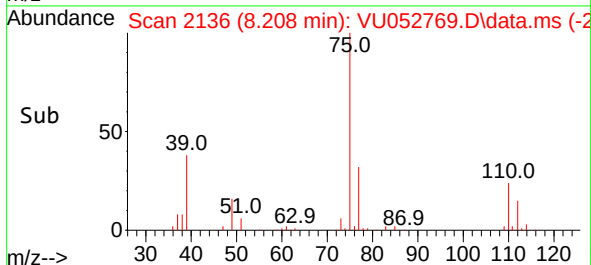
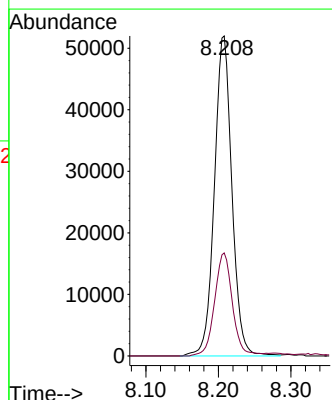
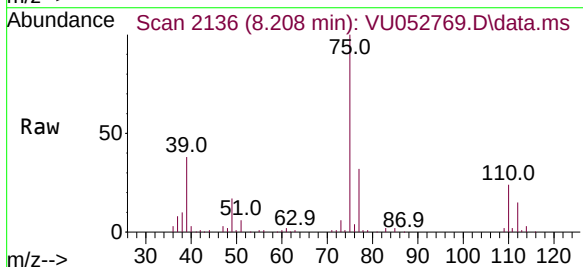
Acq: 20 Jan 2023 19:10

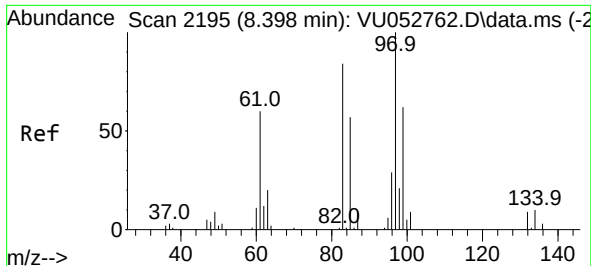
Tgt Ion: 75 Resp: 87363

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5



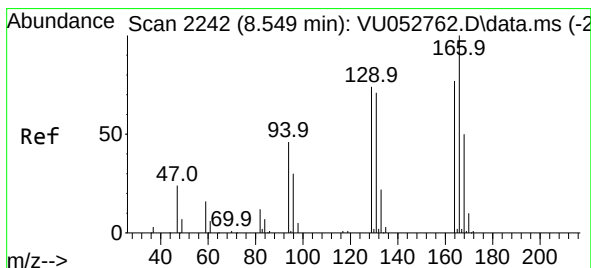
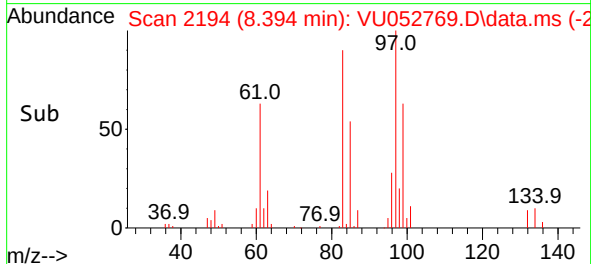
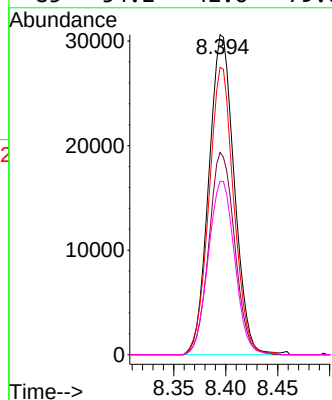
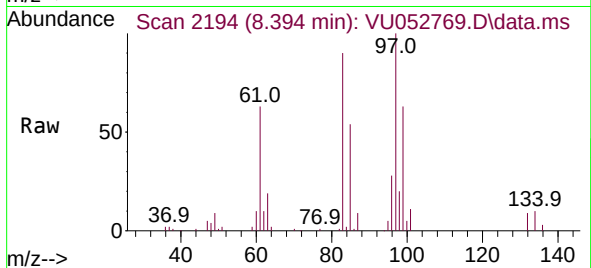


#45
1,1,2-Trichloroethane
Concen: 5.092 ug/L
RT: 8.394 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

Tgt Ion: 97 Resp: 52081

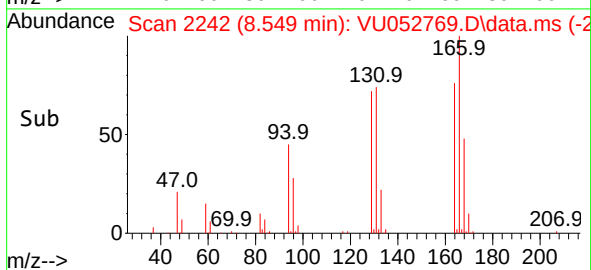
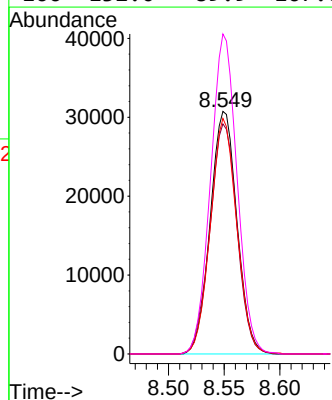
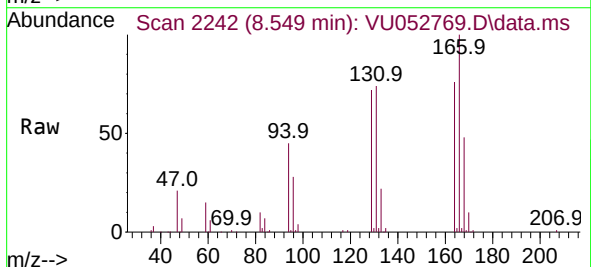
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.8	83.2
83	89.8	65.3	121.3
85	54.2	42.6	79.0

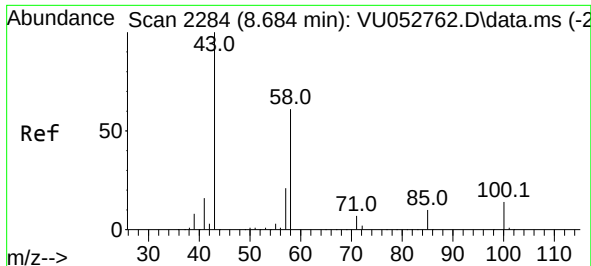


#47
Tetrachloroethene
Concen: 4.861 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion: 164 Resp: 51334

Ion	Ratio	Lower	Upper
164	100		
129	94.9	71.8	133.4
131	97.1	66.6	123.6
166	132.0	89.9	167.0

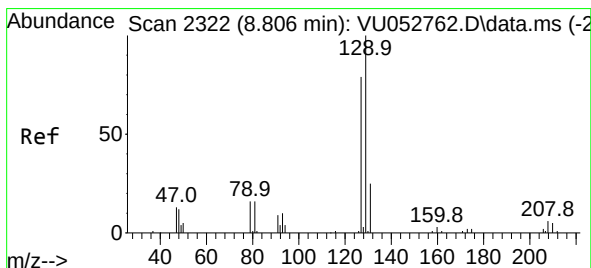
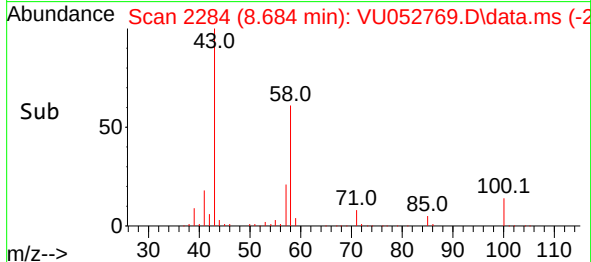
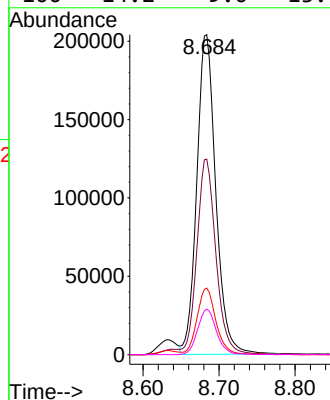
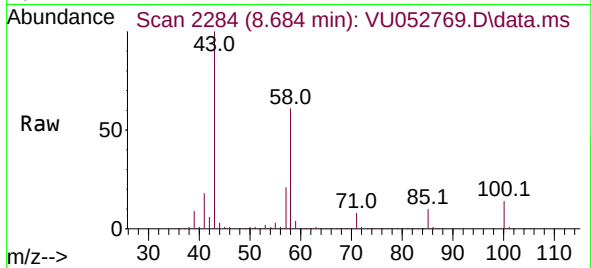




#48
2-Hexanone
Concen: 52.132 ug/L
RT: 8.684 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

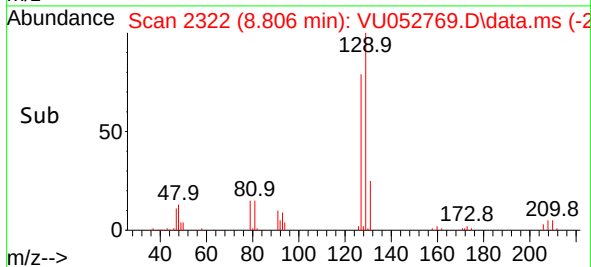
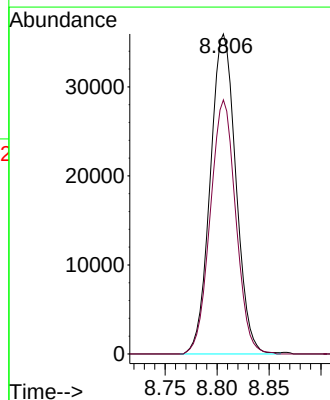
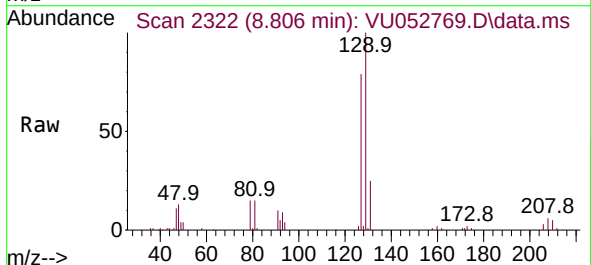
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

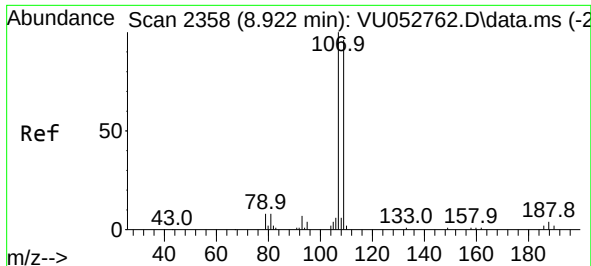
Tgt Ion:	43	Resp:	354966
Ion	Ratio	Lower	Upper
43	100		
58	61.0	45.1	67.7
57	20.3	15.1	22.7
100	14.2	9.0	13.4



#49
Dibromochloromethane
Concen: 5.211 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion:	129	Resp:	61610
Ion	Ratio	Lower	Upper
129	100		
127	79.4	53.5	99.5

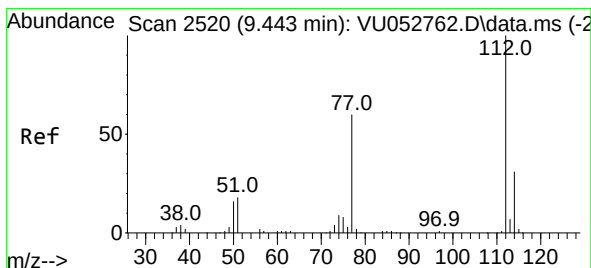
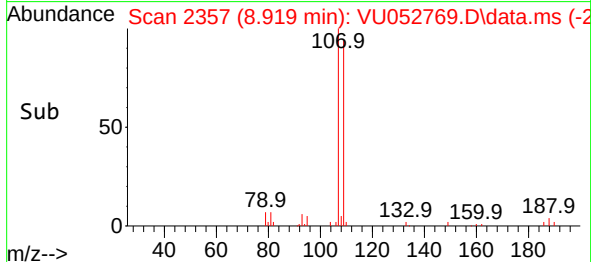
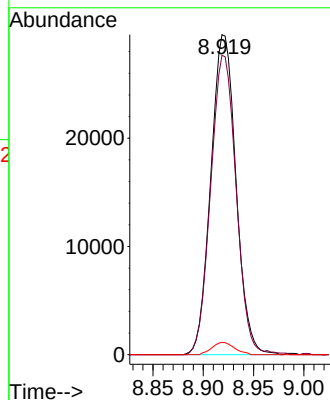
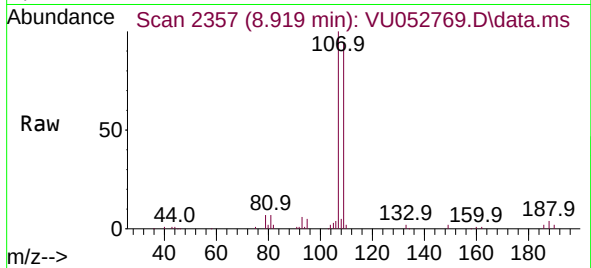




#50
1,2-Dibromoethane
Concen: 5.474 ug/L
RT: 8.919 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

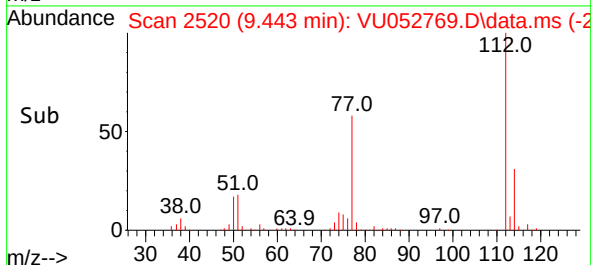
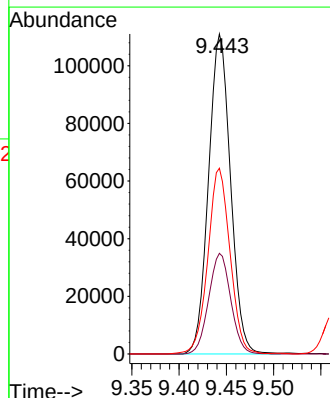
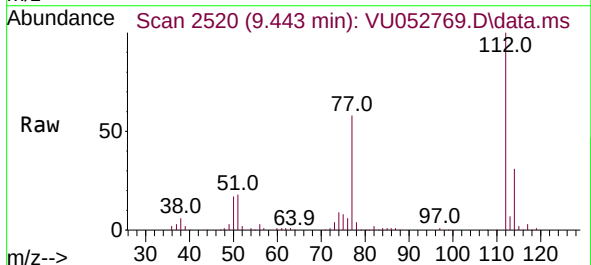
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

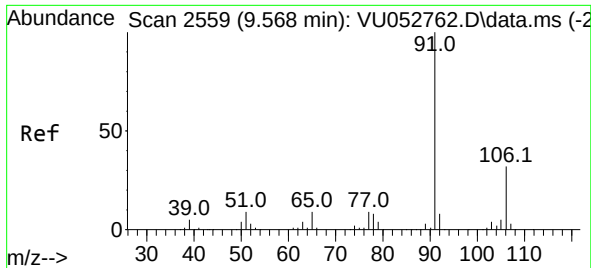
Tgt Ion:107 Resp: 51471
Ion Ratio Lower Upper
107 100
109 93.5 65.3 121.3
188 3.8 2.4 3.6#



#51
Chlorobenzene
Concen: 4.771 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion:112 Resp: 179384
Ion Ratio Lower Upper
112 100
114 31.5 22.8 42.4
77 58.1 50.2 75.4

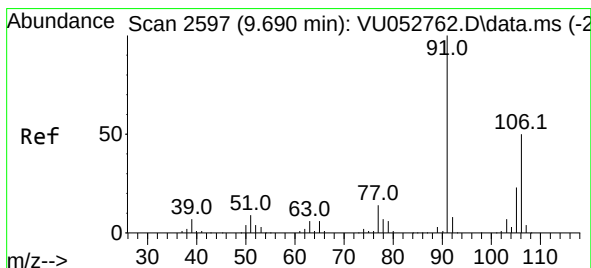
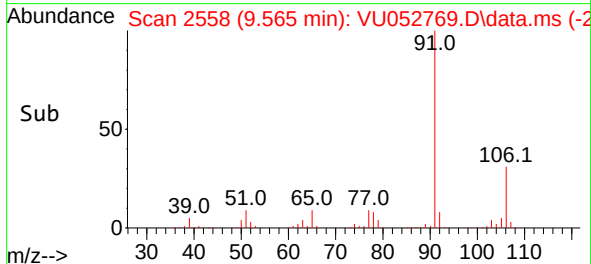
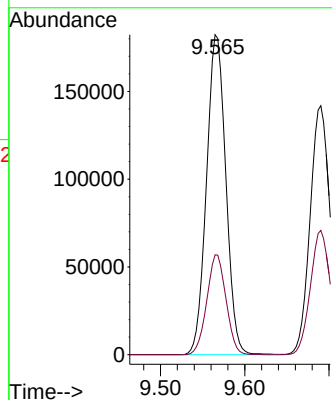
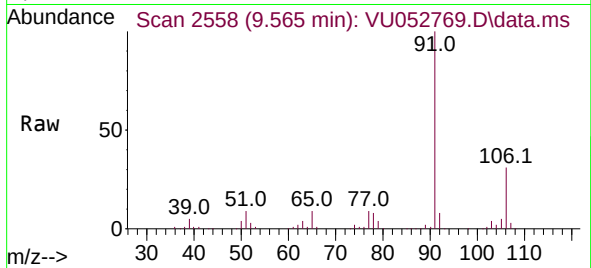




#52
Ethylbenzene
Concen: 4.735 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

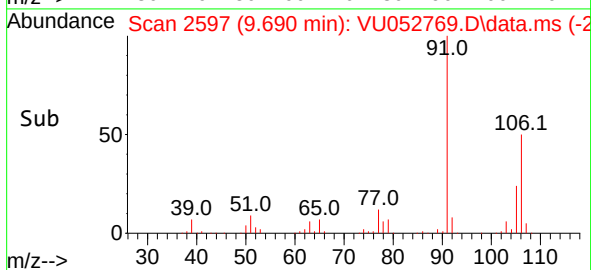
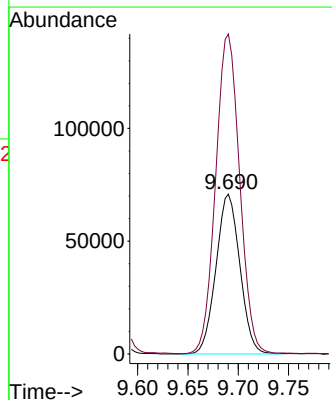
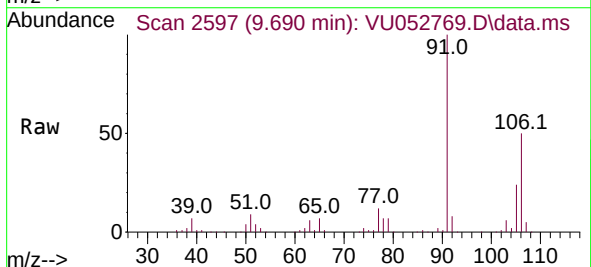
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

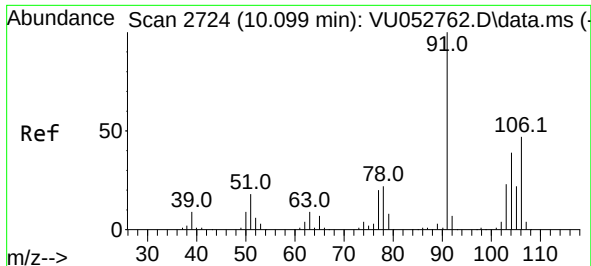
Tgt Ion: 91 Resp: 291125
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.024 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion:106 Resp: 117014
Ion Ratio Lower Upper
106 100
91 200.2 144.3 267.9

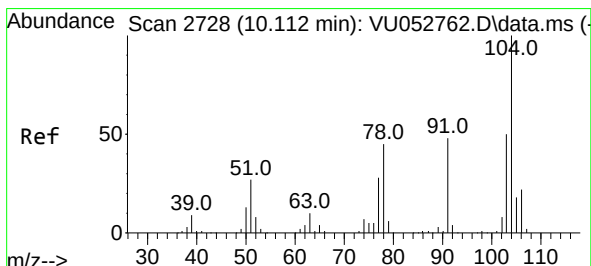
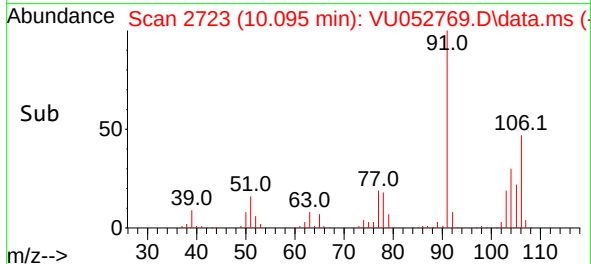
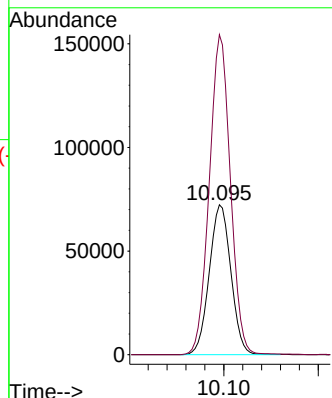
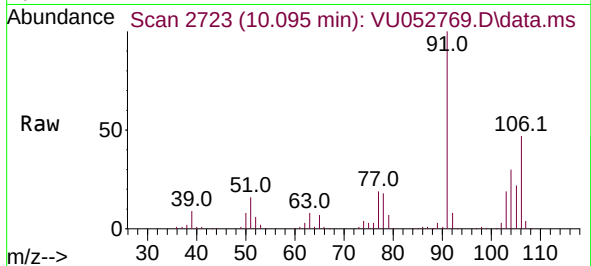




#54
o-Xylene
Concen: 5.160 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

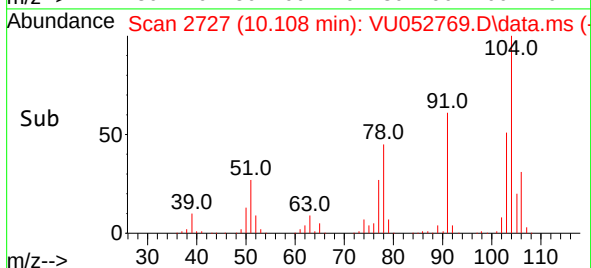
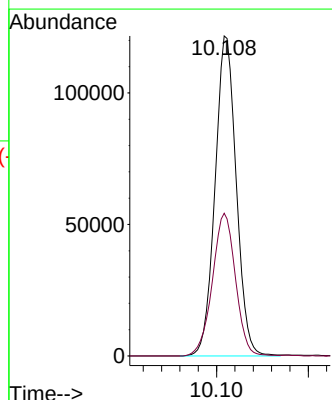
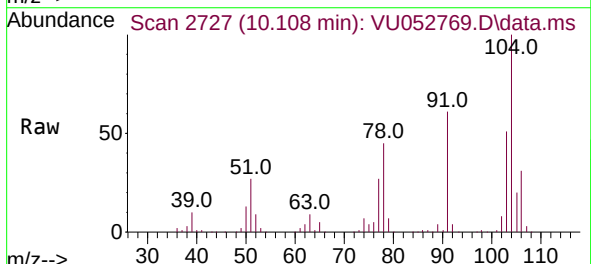
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

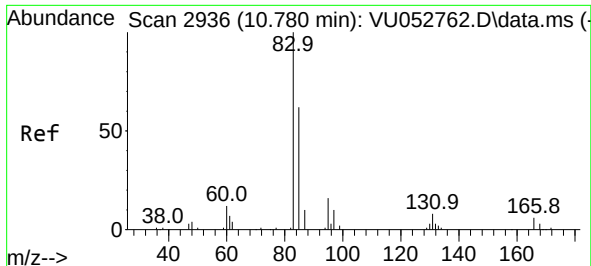
Tgt Ion:106 Resp: 114897
Ion Ratio Lower Upper
106 100
91 213.4 148.7 276.1



#55
Styrene
Concen: 5.145 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion:104 Resp: 195413
Ion Ratio Lower Upper
104 100
78 44.6 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 5.108 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005131

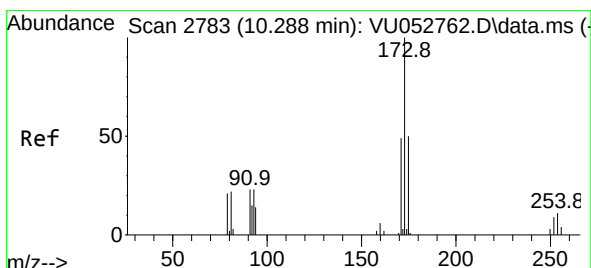
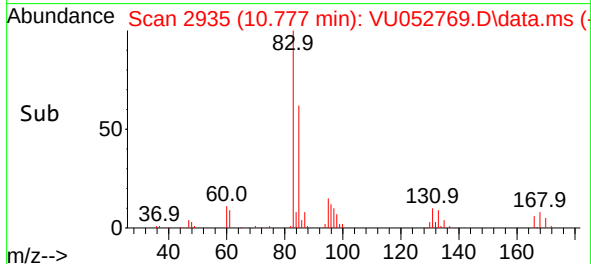
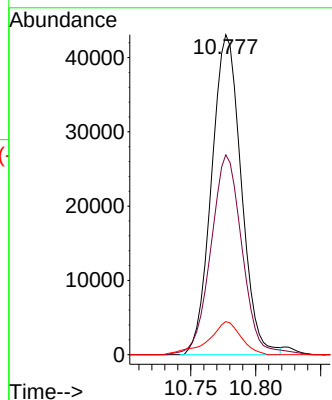
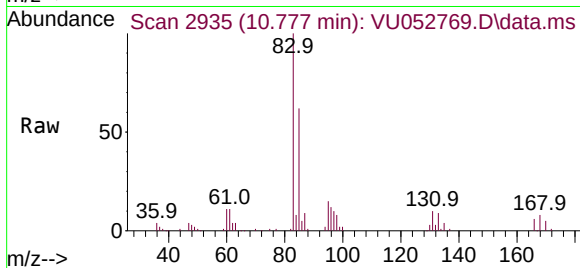
Tgt Ion: 83 Resp: 68241

Ion Ratio Lower Upper

83 100

85 62.5 43.7 81.1

131 10.4 7.0 10.6



#59

Bromoform

Concen: 5.625 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

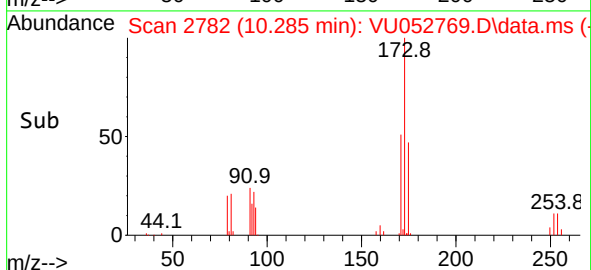
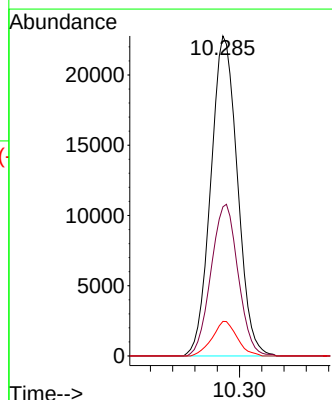
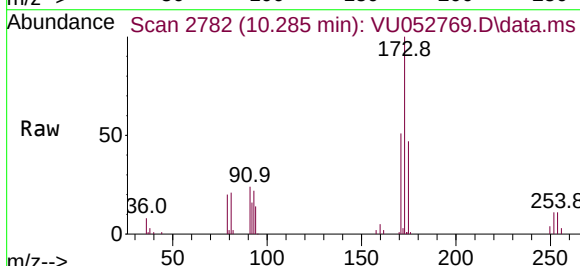
Tgt Ion:173 Resp: 37796

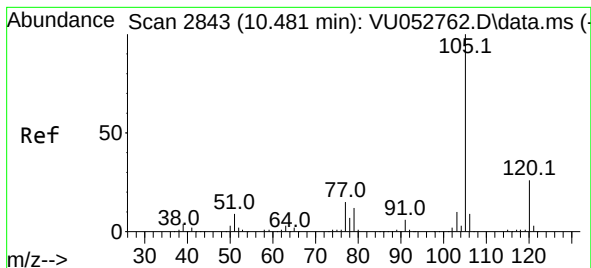
Ion Ratio Lower Upper

173 100

175 48.2 38.2 57.4

254 10.1 7.3 10.9





#60

Isopropylbenzene

Concen: 4.818 ug/L

RT: 10.478 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005131

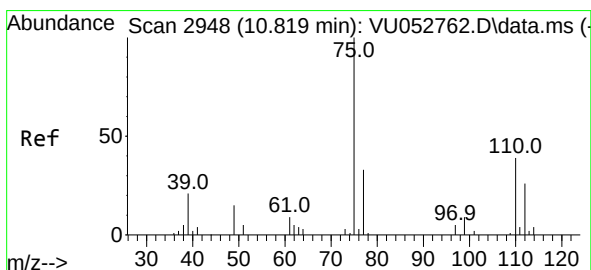
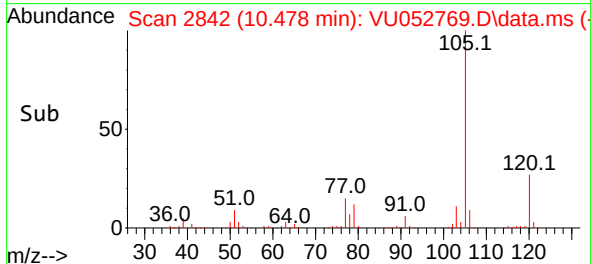
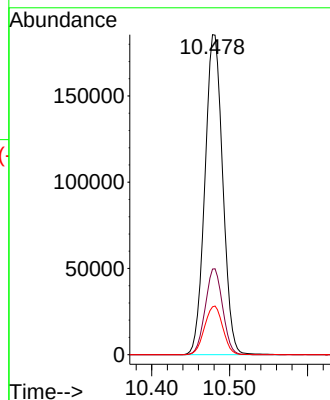
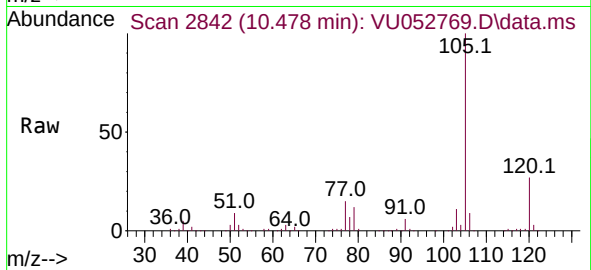
Tgt Ion:105 Resp: 295126

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

77 15.5 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.913 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. -0.000 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

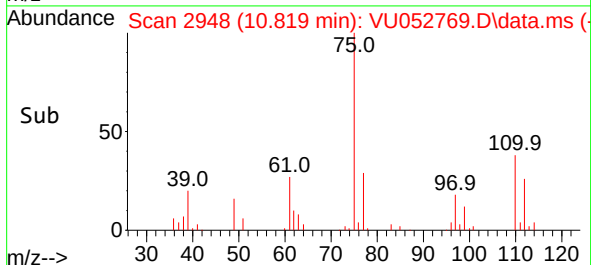
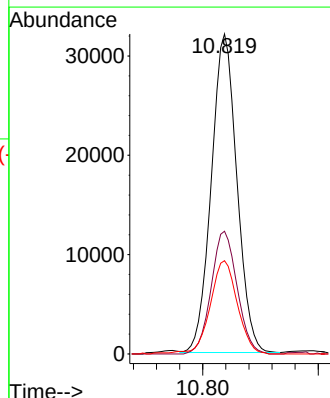
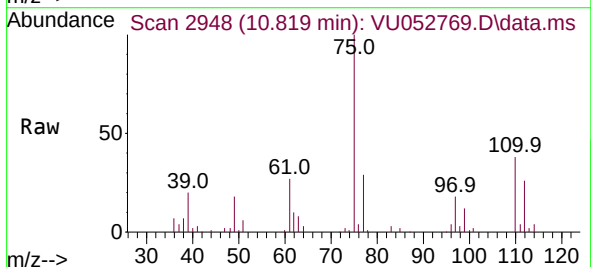
Tgt Ion: 75 Resp: 49343

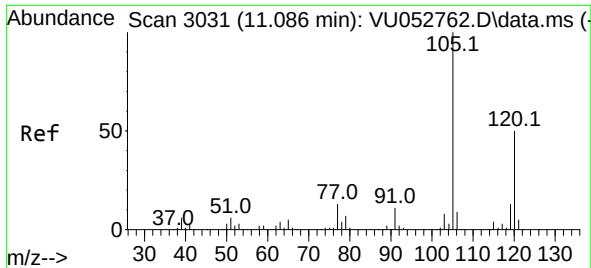
Ion Ratio Lower Upper

75 100

110 39.0 27.2 40.8

77 31.1 24.0 36.0

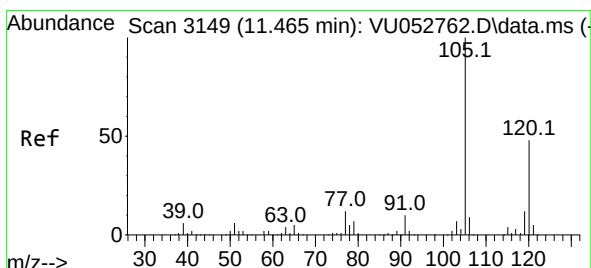
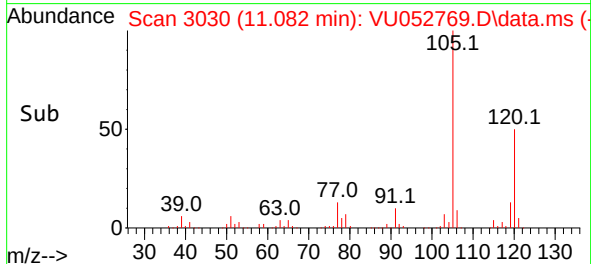
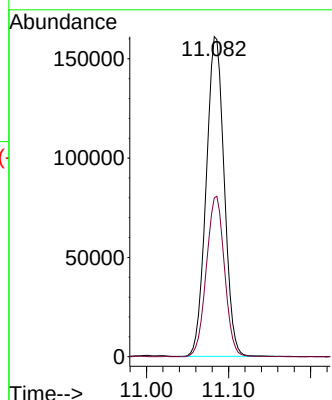
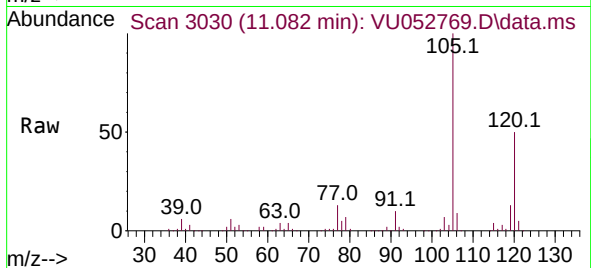




#62
1,3,5-Trimethylbenzene
Concen: 5.023 ug/L
RT: 11.082 min Scan# 3031
Delta R.T. -0.003 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

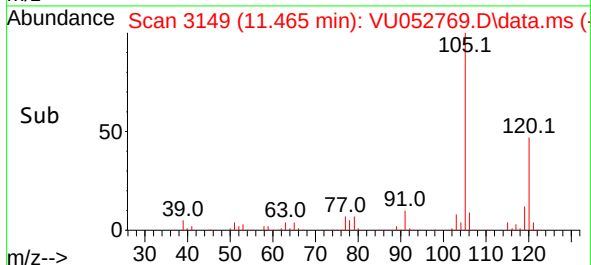
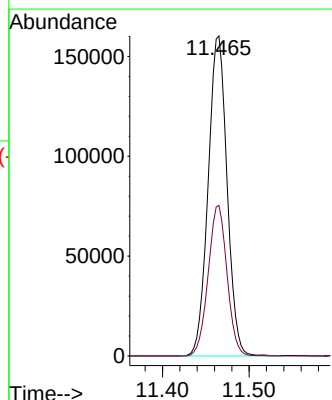
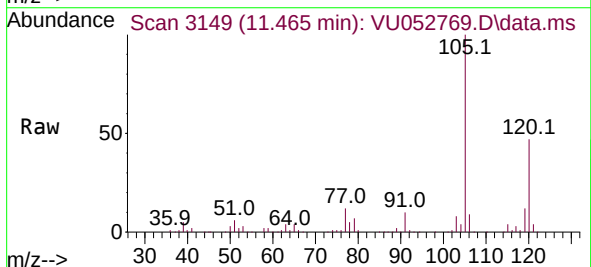
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

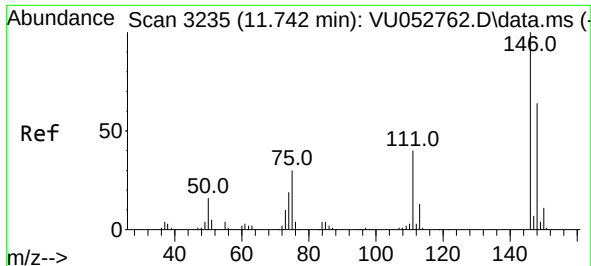
Tgt Ion:105 Resp: 245408
Ion Ratio Lower Upper
105 100
120 50.5 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 4.944 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion:105 Resp: 243326
Ion Ratio Lower Upper
105 100
120 46.9 35.9 53.9

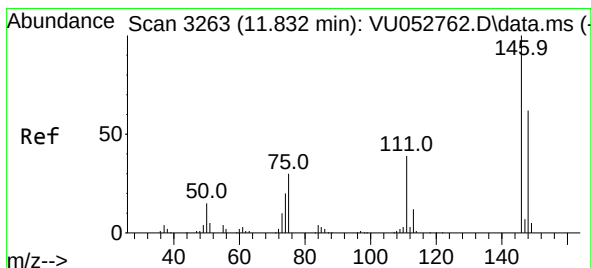
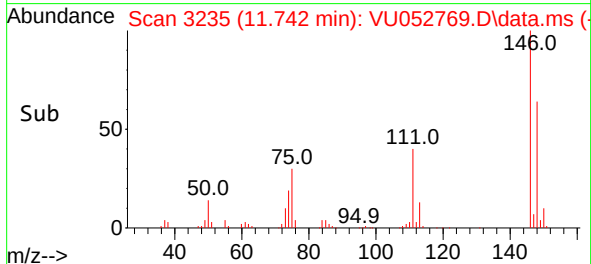
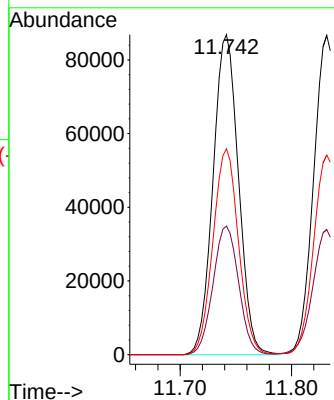
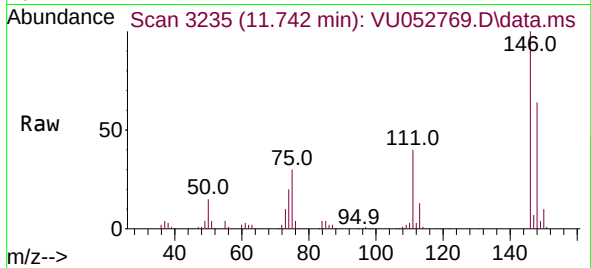




#64
1,3-Dichlorobenzene
Concen: 4.729 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

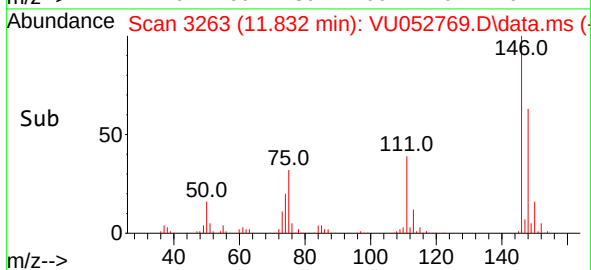
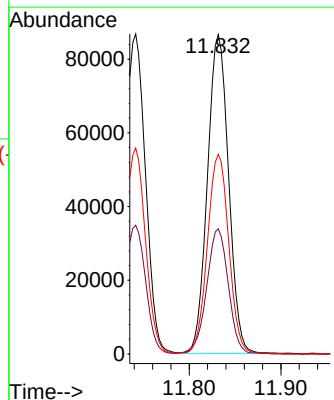
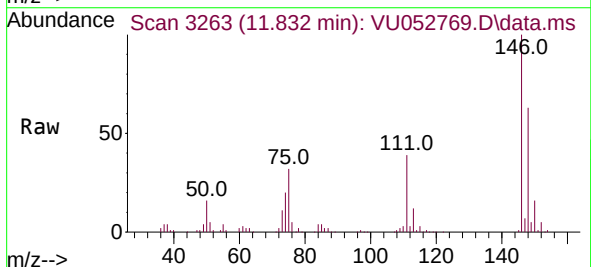
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

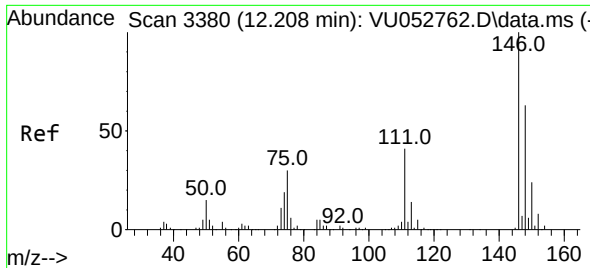
Tgt Ion:146 Resp: 137777
Ion Ratio Lower Upper
146 100
111 40.2 29.4 54.6
148 64.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.669 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion:146 Resp: 138787
Ion Ratio Lower Upper
146 100
111 39.2 28.1 52.3
148 62.5 44.7 83.1

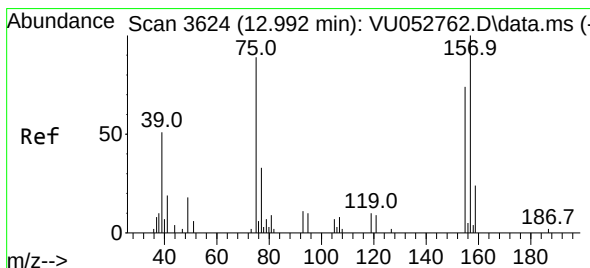
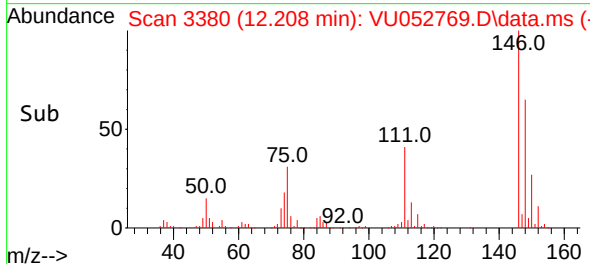
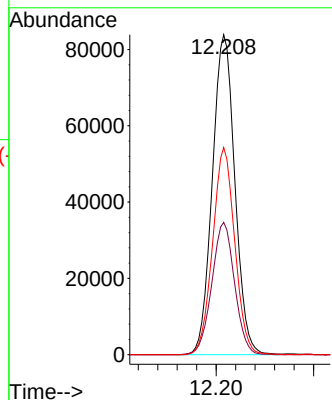
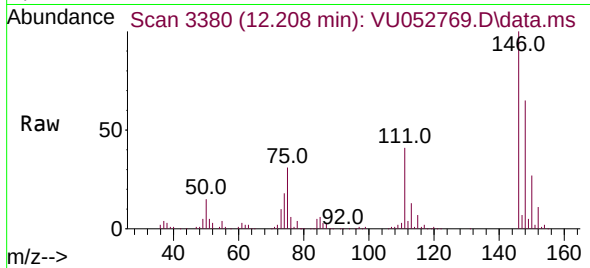




#67
1,2-Dichlorobenzene
Concen: 4.911 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

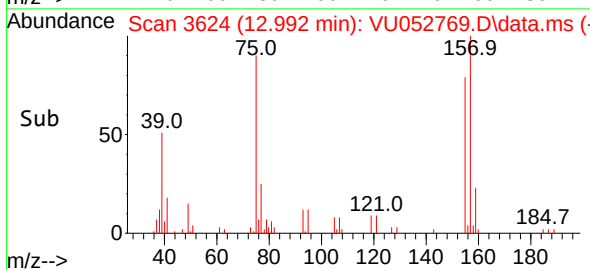
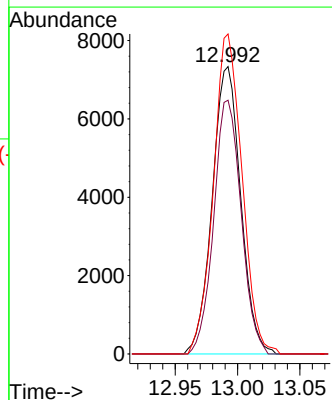
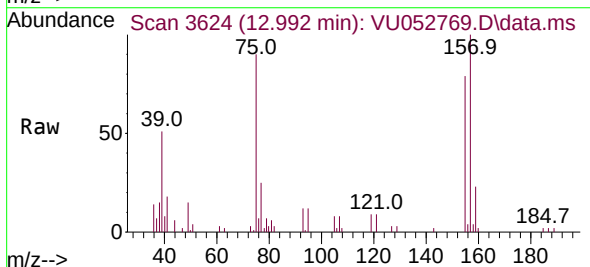
Instrument :
MSVOA_U
ClientSampleId :
VSTD005131

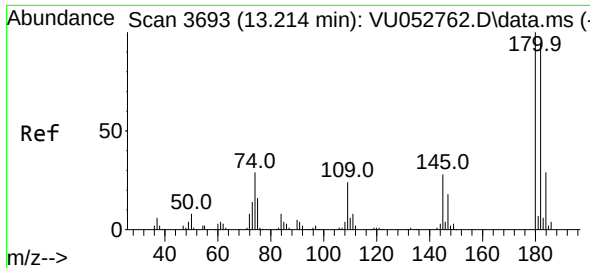
Tgt Ion:146 Resp: 134632
Ion Ratio Lower Upper
146 100
111 41.4 33.8 50.6
148 64.7 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 5.043 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052769.D
Acq: 20 Jan 2023 19:10

Tgt Ion: 75 Resp: 11682
Ion Ratio Lower Upper
75 100
155 88.3 48.0 72.0#
157 111.3 69.3 103.9#



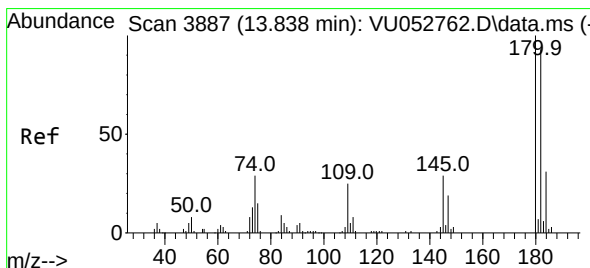
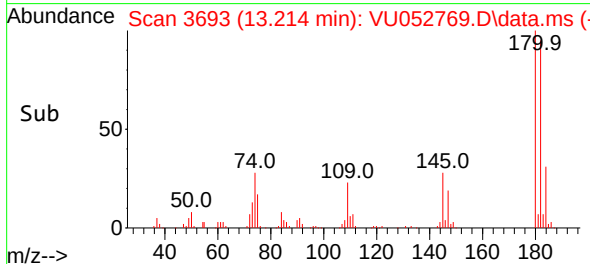
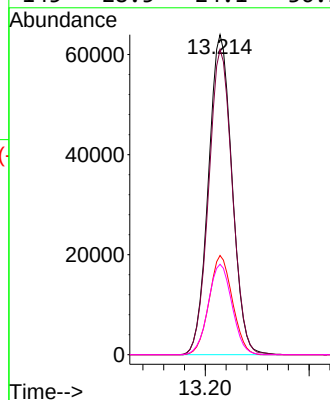
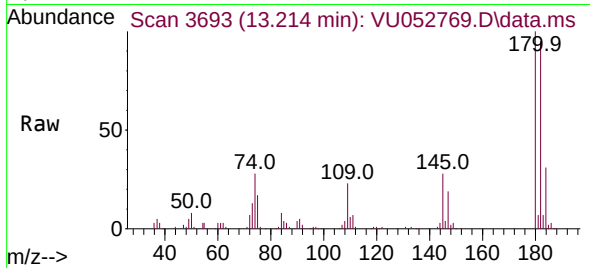


#69
 1,3,5-Trichlorobenzene
 Concen: 4.652 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052769.D
 Acq: 20 Jan 2023 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005131

Tgt Ion:180 Resp: 100682

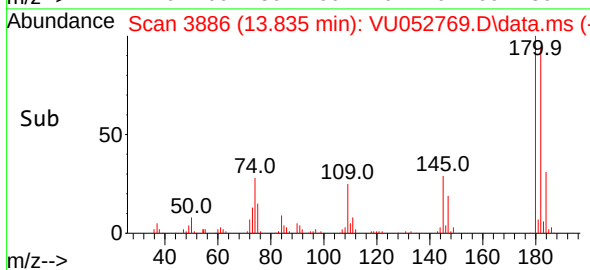
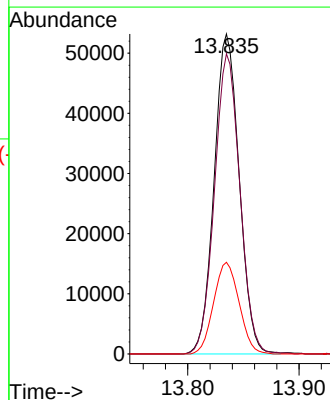
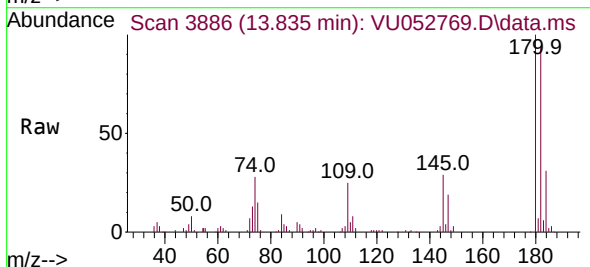
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.1	112.7
184	30.6	23.6	35.4
145	28.5	24.1	36.1

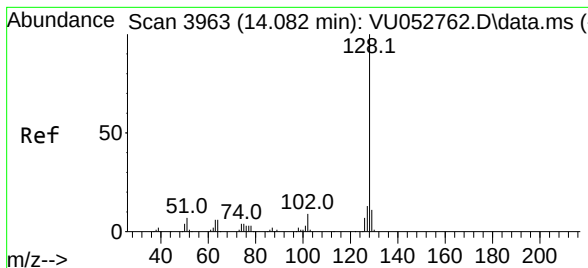


#70
 1,2,4-trichlorobenzene
 Concen: 4.788 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.003 min
 Lab File: VU052769.D
 Acq: 20 Jan 2023 19:10

Tgt Ion:180 Resp: 83103

Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.5	116.3
145	29.1	25.3	37.9





#71

Naphthalene

Concen: 7.632 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005131

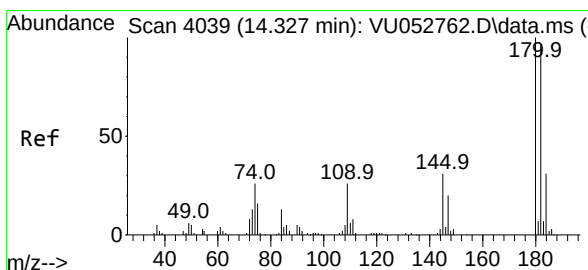
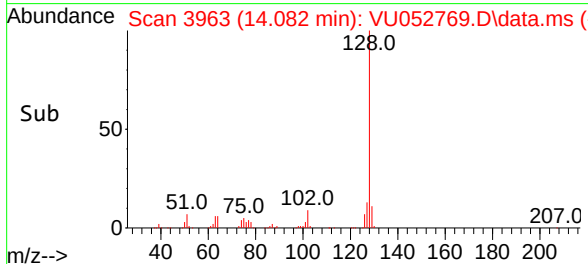
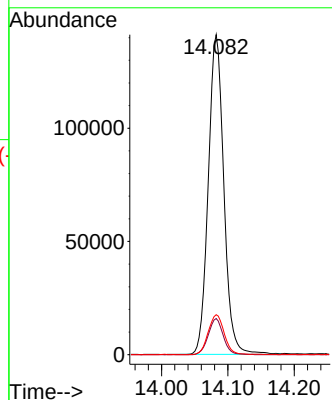
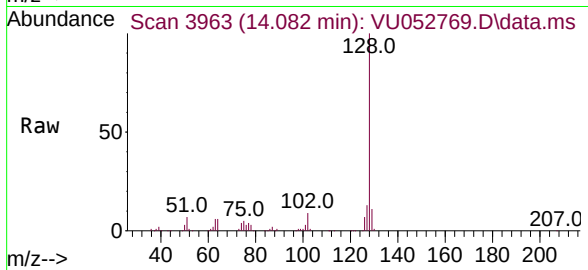
Tgt Ion:128 Resp: 229968

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

127 12.9 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.038 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.003 min

Lab File: VU052769.D

Acq: 20 Jan 2023 19:10

Tgt Ion:180 Resp: 80116

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.6

145 31.5 26.5 39.7

