

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021823\
 Data File : VU053126.D
 Acq On : 18 Feb 2023 11:17
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005141

Quant Time: Feb 19 23:21:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 14 00:41:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	149905	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	133106	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	66422	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	22530	3.137	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.800%
7) Chloroethane-d5	1.913	69	29172	4.322	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.400%
11) 1,1-Dichloroethene-d2	2.563	65	11906	3.615	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	4.649	46	117994	53.648	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.300%
24) Chloroform-d	5.058	84	80954	4.899	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
26) 1,2-Dichloroethane-d4	5.698	65	42985	5.162	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.723	84	136591	4.567	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.688	67	52552	5.045	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.894	98	110640	4.095	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	8.177	79	17876	4.238	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.800%
46) 2-Hexanone-d5	8.640	63	102806	54.906	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.820%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	49102	5.488	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	54108	5.453	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	52607	4.780	ug/L	98
3) Chloromethane	1.518	50	55791	4.865	ug/L	100
5) Vinyl chloride	1.605	62	60731	4.807	ug/L	99
6) Bromomethane	1.859	94	31133	3.963	ug/L	97
8) Chloroethane	1.936	64	35322	4.748	ug/L	99
9) Trichlorofluoromethane	2.138	101	83590	4.803	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	48376	5.049	ug/L	98
12) 1,1-Dichloroethene	2.576	96	46859	5.284	ug/L	96
13) Acetone	2.669	43	56127	35.550	ug/L	89
14) Carbon disulfide	2.788	76	136820	5.109	ug/L	99
15) Methyl Acetate	2.958	43	17838	4.628	ug/L #	85
16) Methylene chloride	3.042	84	52550	5.122	ug/L	97
17) Methyl tert-butyl Ether	3.360	73	120283	4.995	ug/L	99
18) trans-1,2-Dichloroethene	3.347	96	45720	4.872	ug/L	98
19) 1,1-Dichloroethane	3.865	63	89748	5.078	ug/L	100
21) 2-Butanone	4.727	43	103849	44.526	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	52133	4.923	ug/L	96
23) Bromochloromethane	4.971	128	21762	5.189	ug/L	98
25) Chloroform	5.083	83	92332	4.998	ug/L	97

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 ALS Vial : 2 Sample Multiplier: 1

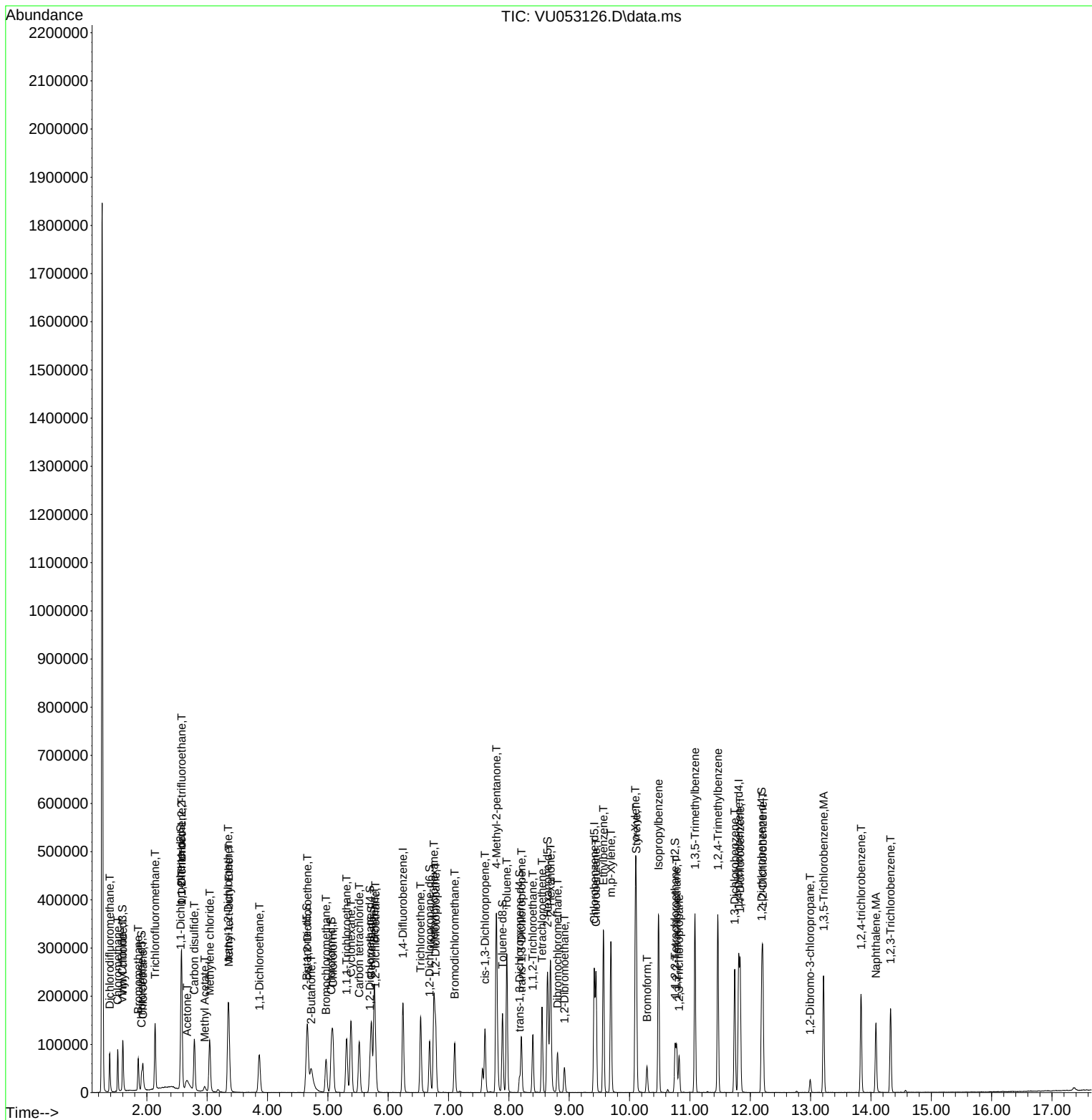
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005141

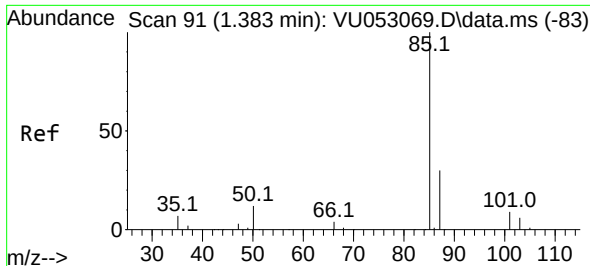
Quant Time: Feb 19 23:21:53 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	55441	4.882	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	80329	5.052	ug/L	97
30) Cyclohexane	5.383	56	82065	5.161	ug/L	99
31) Carbon tetrachloride	5.521	117	67838	5.111	ug/L	100
33) Benzene	5.768	78	196491	5.123	ug/L	100
34) Trichloroethene	6.537	95	53016	4.912	ug/L	98
35) Methylcyclohexane	6.759	83	86603	4.956	ug/L	98
37) 1,2-Dichloropropane	6.788	63	53050	5.079	ug/L	100
38) Bromodichloromethane	7.103	83	66404	4.903	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	78832	4.732	ug/L	97
40) 4-Methyl-2-pentanone	7.794	43	275212	50.478	ug/L	100
42) Toluene	7.964	91	212862	5.109	ug/L	98
44) trans-1,3-Dichloropropene	8.209	75	65063	4.735	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	36538	4.856	ug/L	95
47) Tetrachloroethene	8.550	164	35589	5.073	ug/L	97
48) 2-Hexanone	8.691	43	191635	47.891	ug/L	98
49) Dibromochloromethane	8.807	129	41678	5.080	ug/L	100
50) 1,2-Dibromoethane	8.923	107	35149	5.063	ug/L	96
51) Chlorobenzene	9.443	112	131007	5.040	ug/L	100
52) Ethylbenzene	9.566	91	239728	5.070	ug/L	99
53) m,p-Xylene	9.691	106	90211	5.102	ug/L	94
54) o-Xylene	10.096	106	87771	5.121	ug/L	97
55) Styrene	10.112	104	144824	5.209	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.781	83	48035	5.045	ug/L	99
59) Bromoform	10.289	173	23451	4.857	ug/L	98
60) Isopropylbenzene	10.479	105	240805	5.011	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	32047	5.025	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	201244	4.959	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	207066	5.098	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	99680	5.122	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	99032	5.079	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	94700	5.219	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.993	75	7296	4.867	ug/L	92
69) 1,3,5-Trichlorobenzene	13.215	180	68597	4.948	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	56664	4.924	ug/L	98
71) Naphthalene	14.083	128	114840	4.976	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	48921	4.817	ug/L	99

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

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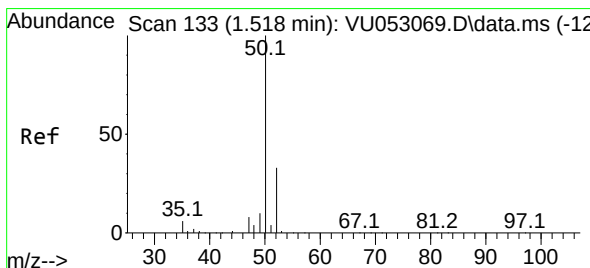
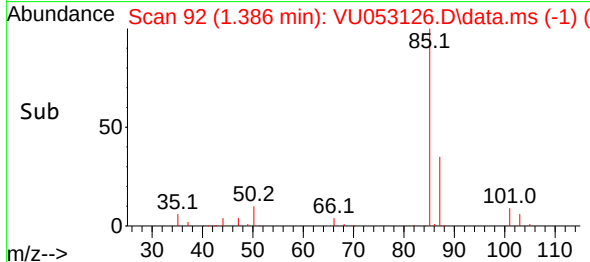
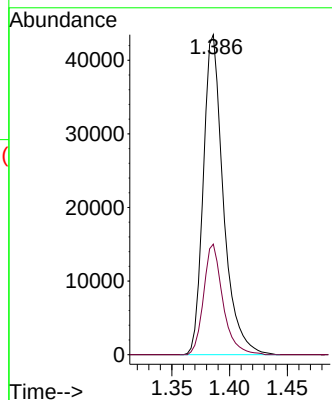
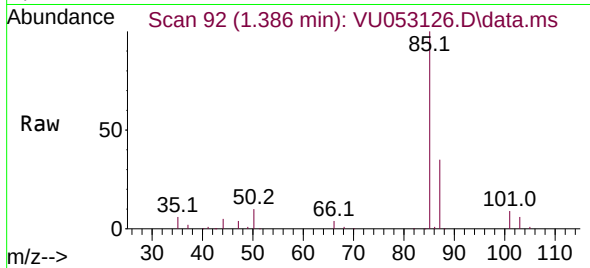




#2
 Dichlorodifluoromethane
 Concen: 4.780 ug/L
 RT: 1.386 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU053126.D
 Acq: 18 Feb 2023 11:17

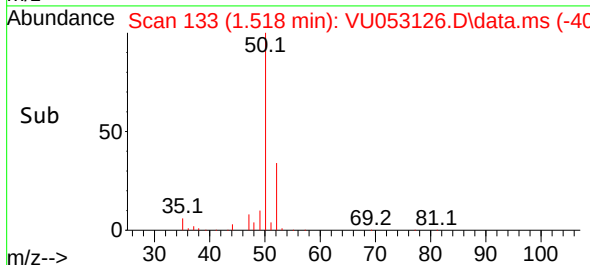
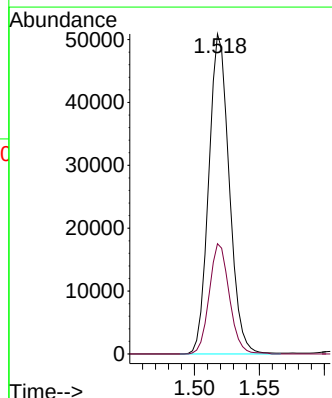
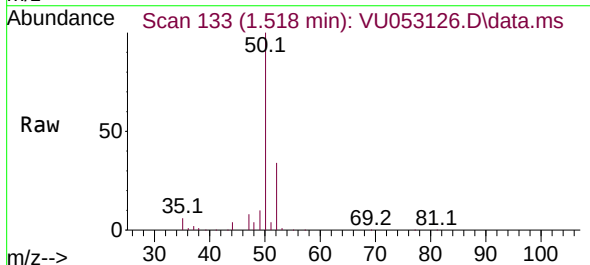
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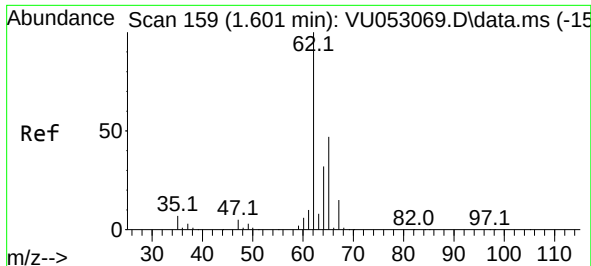
Tgt Ion: 85 Resp: 52607
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.5 38.3



#3
 Chloromethane
 Concen: 4.865 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. -0.000 min
 Lab File: VU053126.D
 Acq: 18 Feb 2023 11:17

Tgt Ion: 50 Resp: 55791
 Ion Ratio Lower Upper
 50 100
 52 34.5 24.1 44.7

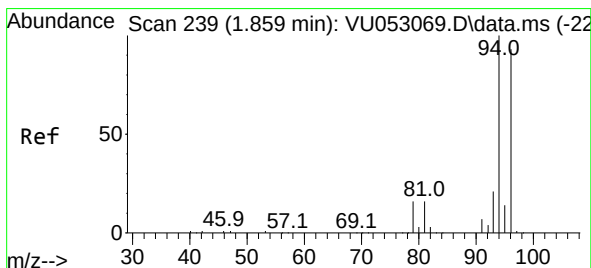
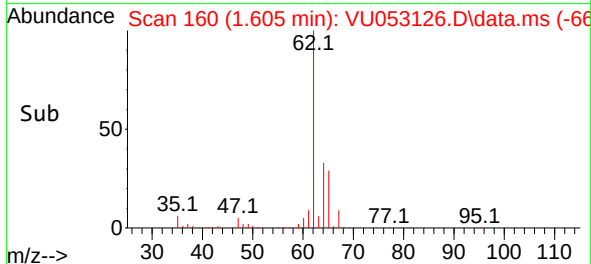
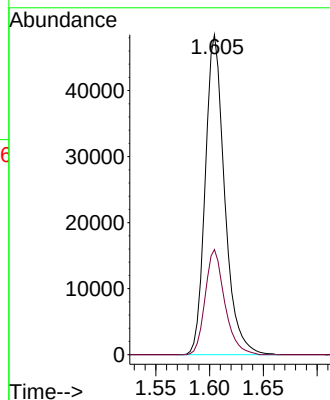
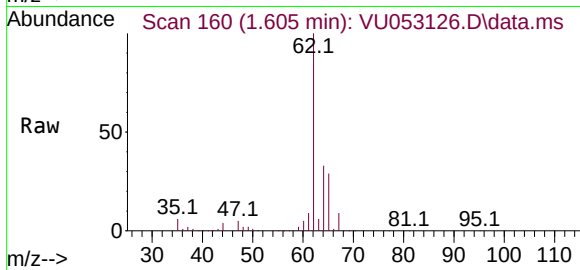




#5
 Vinyl chloride
 Concen: 4.807 ug/L
 RT: 1.605 min Scan# 1
 Delta R.T. 0.003 min
 Lab File: VU053126.D
 Acq: 18 Feb 2023 11:17

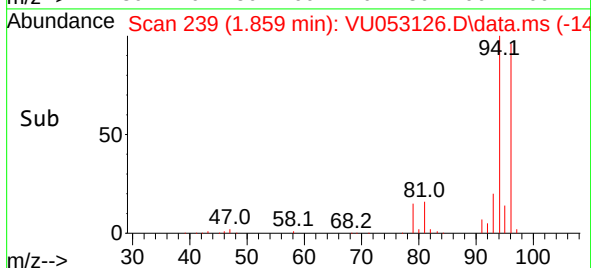
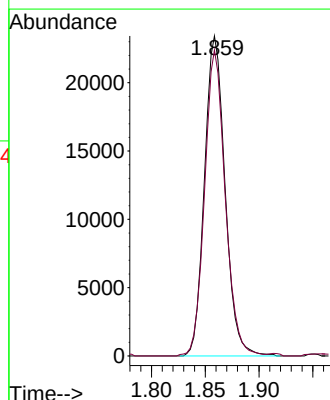
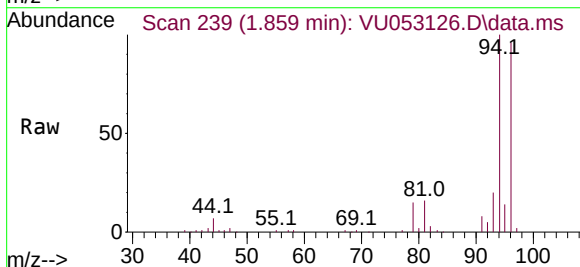
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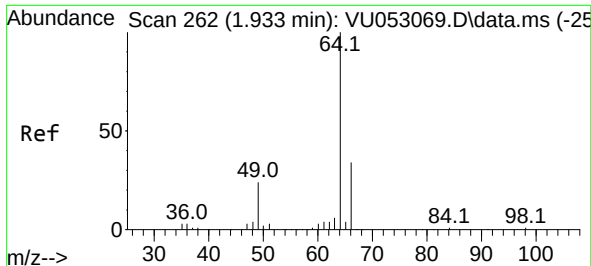
Tgt Ion: 62 Resp: 60731
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.5 41.9



#6
 Bromomethane
 Concen: 3.963 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. -0.000 min
 Lab File: VU053126.D
 Acq: 18 Feb 2023 11:17

Tgt Ion: 94 Resp: 31133
 Ion Ratio Lower Upper
 94 100
 96 95.6 64.8 120.3

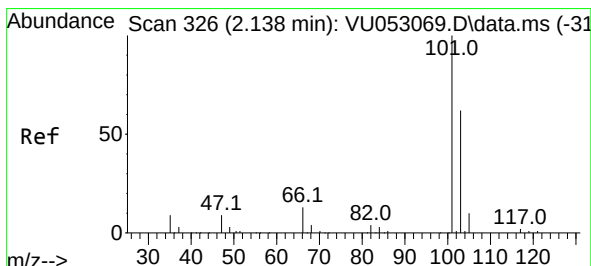
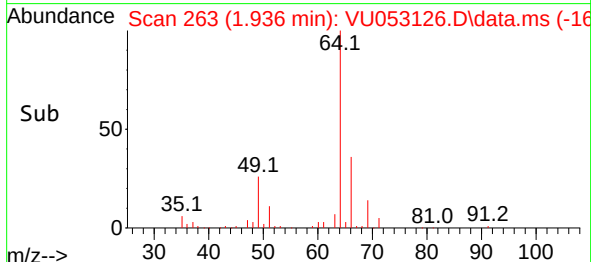
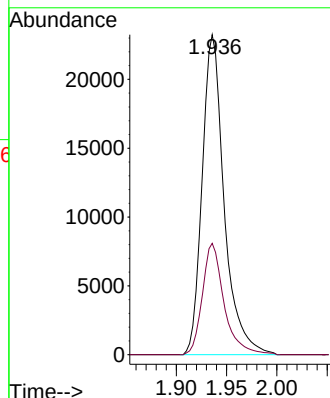
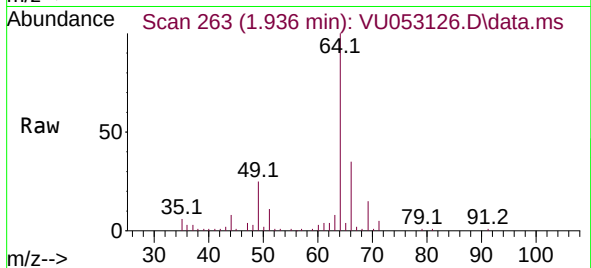




#8
Chloroethane
Concen: 4.748 ug/L
RT: 1.936 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

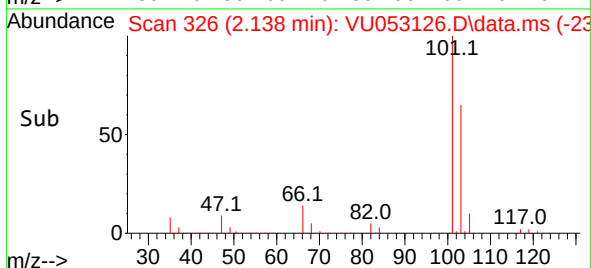
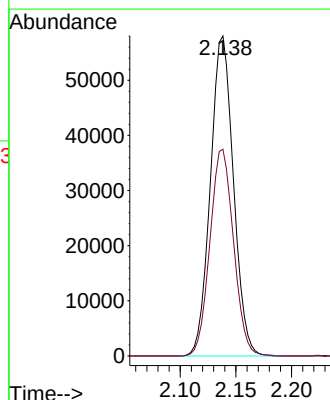
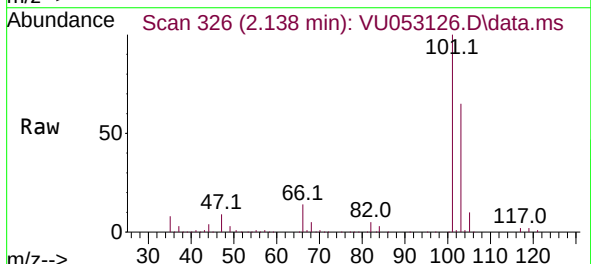
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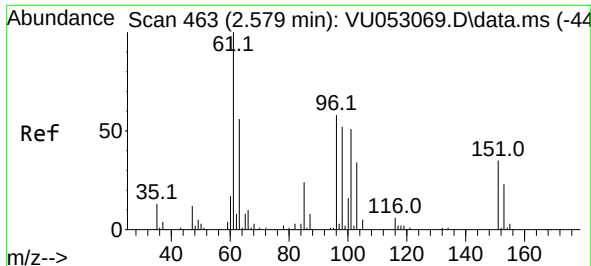
Tgt Ion: 64 Resp: 35322
Ion Ratio Lower Upper
64 100
66 34.8 23.9 44.3



#9
Trichlorofluoromethane
Concen: 4.803 ug/L
RT: 2.138 min Scan# 326
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion:101 Resp: 83590
Ion Ratio Lower Upper
101 100
103 66.1 52.6 78.8

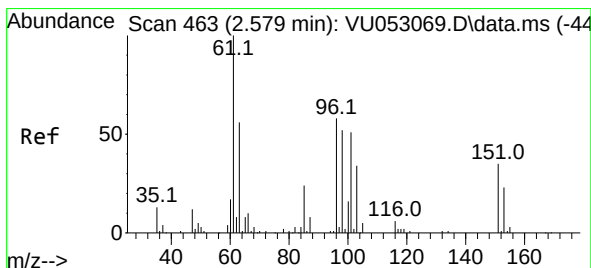
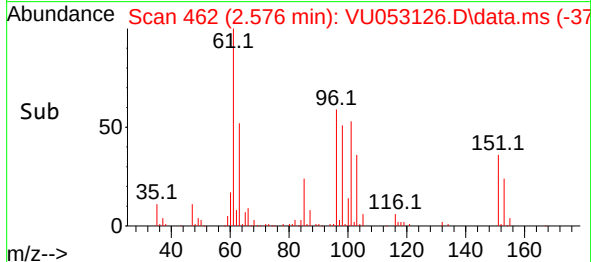
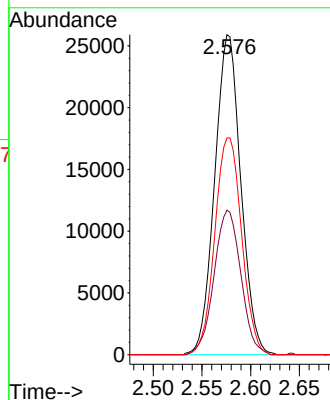
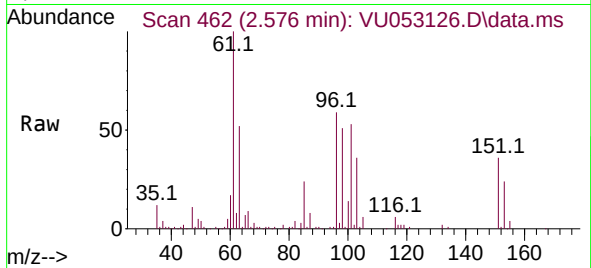




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.049 ug/L
 RT: 2.576 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VU053126.D
 Acq: 18 Feb 2023 11:17

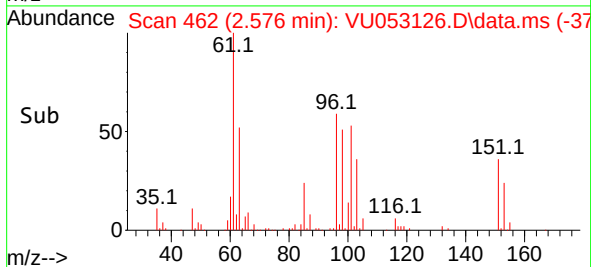
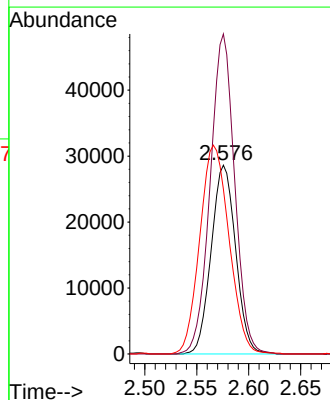
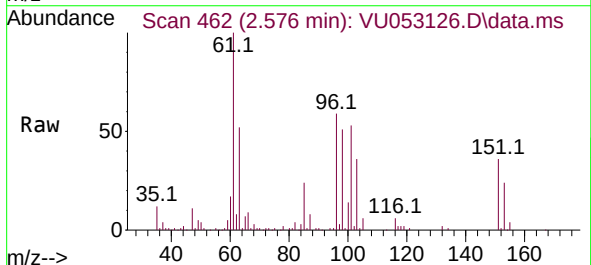
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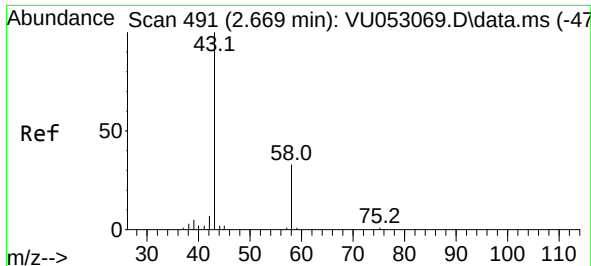
Tgt Ion:101 Resp: 48376
 Ion Ratio Lower Upper
 101 100
 85 46.2 36.8 55.2
 151 69.5 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 5.284 ug/L
 RT: 2.576 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VU053126.D
 Acq: 18 Feb 2023 11:17

Tgt Ion: 96 Resp: 46859
 Ion Ratio Lower Upper
 96 100
 61 169.4 115.1 213.7
 63 87.3 63.6 118.0





#13

Acetone

Concen: 35.550 ug/L

RT: 2.669 min Scan# 491

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

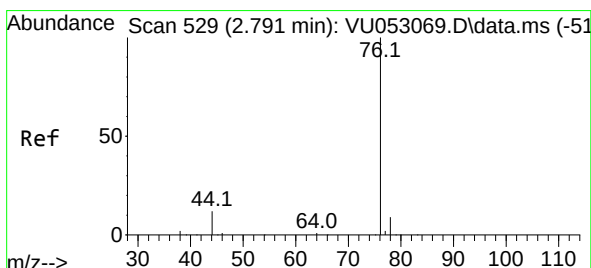
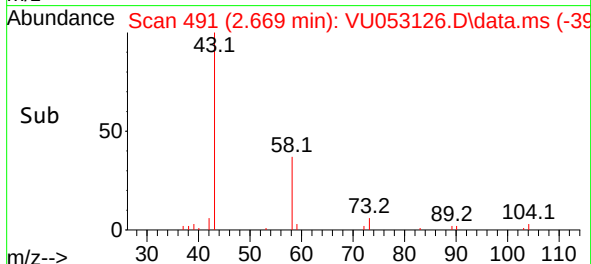
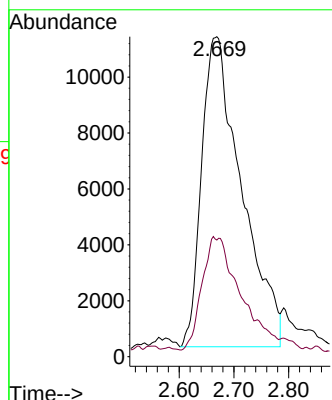
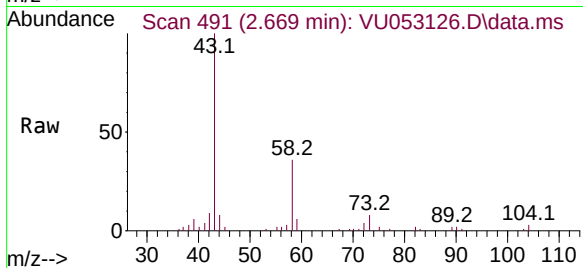
VSTD005141

Tgt Ion: 43 Resp: 56127

Ion Ratio Lower Upper

43 100

58 13.8 0.0 19.6



#14

Carbon disulfide

Concen: 5.109 ug/L

RT: 2.788 min Scan# 528

Delta R.T. -0.003 min

Lab File: VU053126.D

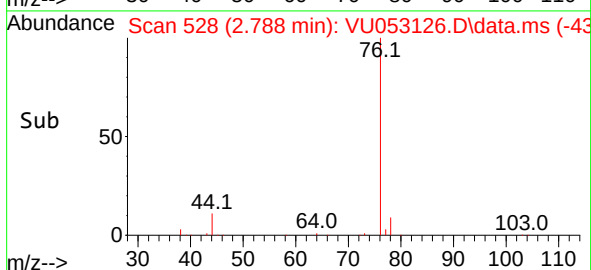
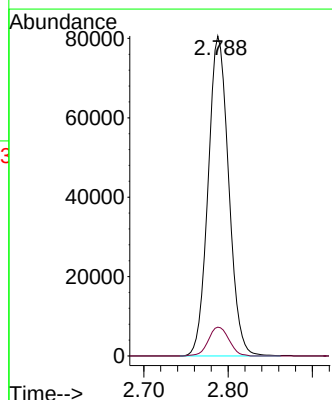
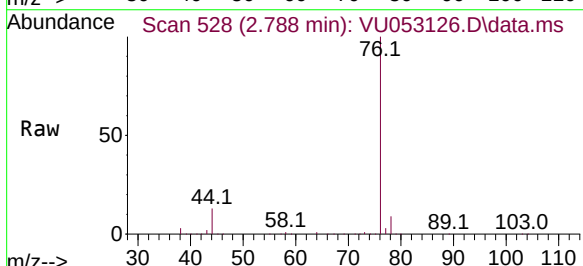
Acq: 18 Feb 2023 11:17

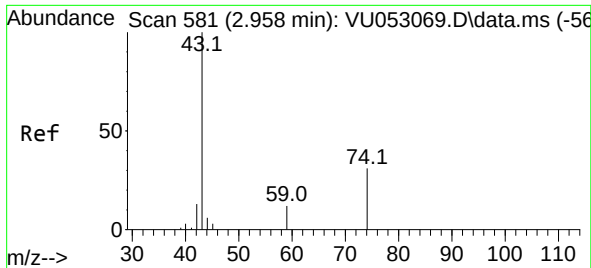
Tgt Ion: 76 Resp: 136820

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

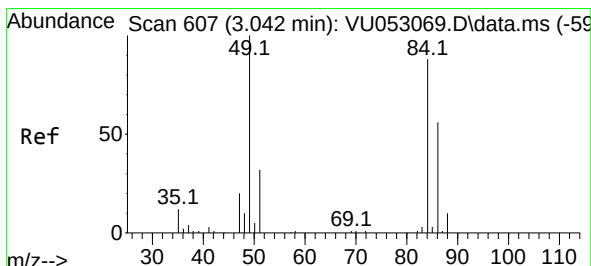
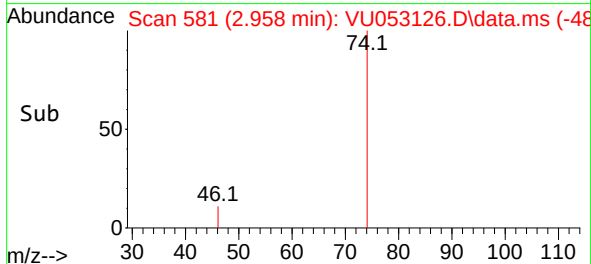
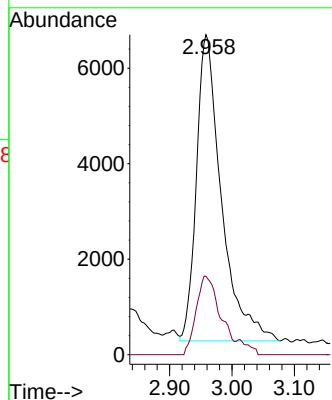
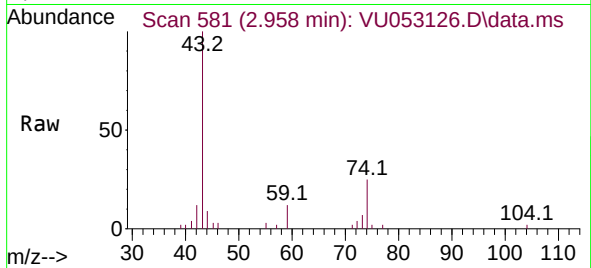




#15
Methyl Acetate
Concen: 4.628 ug/L
RT: 2.958 min Scan# 581
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

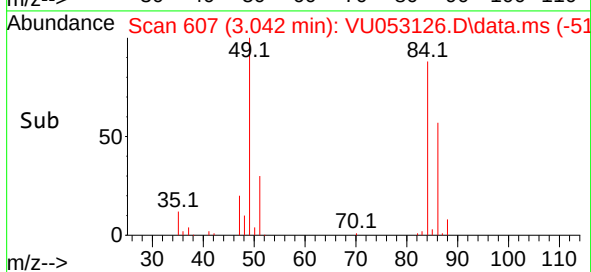
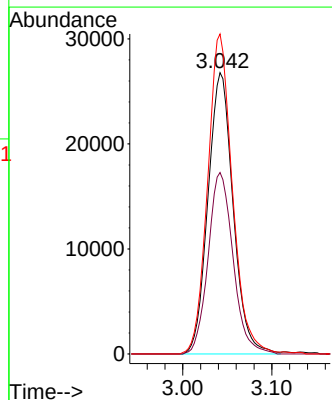
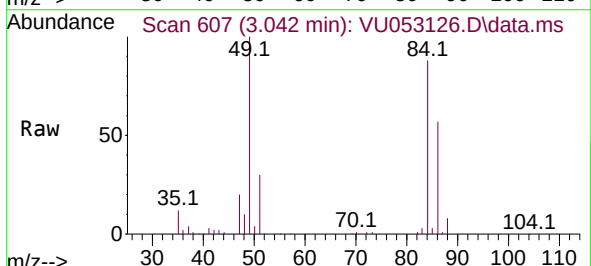
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

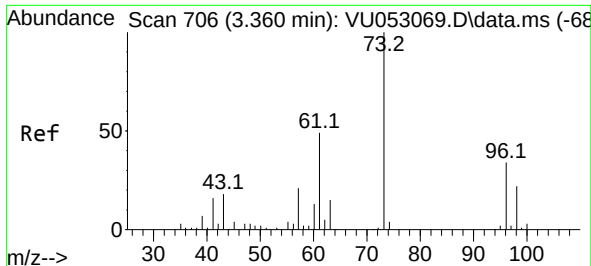
Tgt Ion: 43 Resp: 17838
Ion Ratio Lower Upper
43 100
74 24.3 14.3 21.5#



#16
Methylene chloride
Concen: 5.122 ug/L
RT: 3.042 min Scan# 607
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion: 84 Resp: 52550
Ion Ratio Lower Upper
84 100
86 64.5 44.9 83.3
49 113.8 82.6 153.4

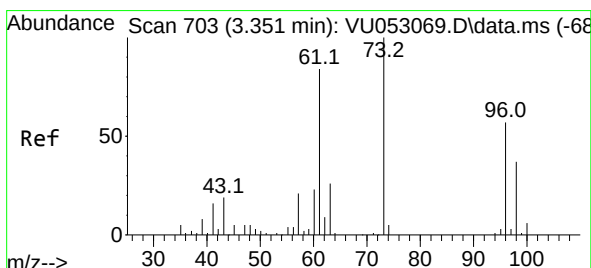
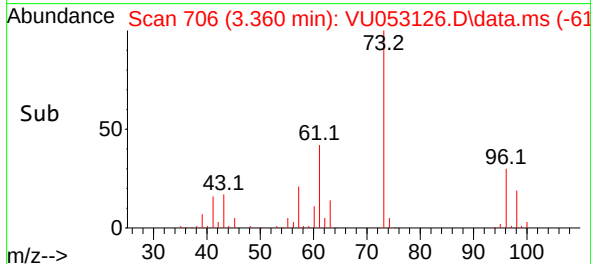
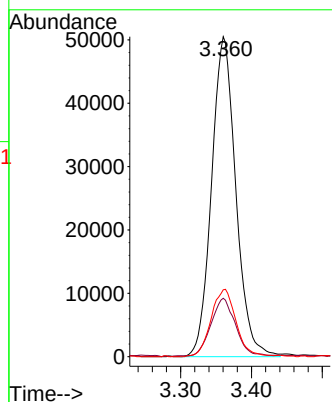
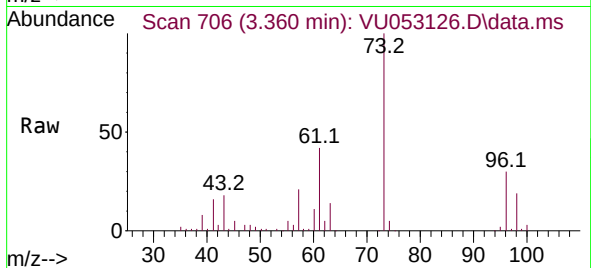




#17
Methyl tert-butyl Ether
Concen: 4.995 ug/L
RT: 3.360 min Scan# 706
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

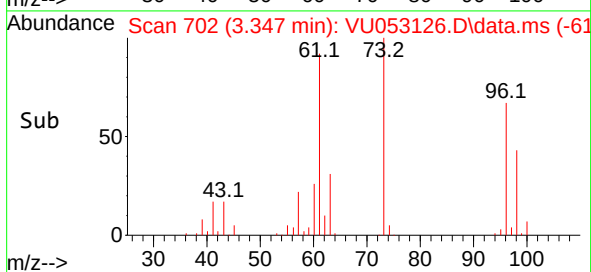
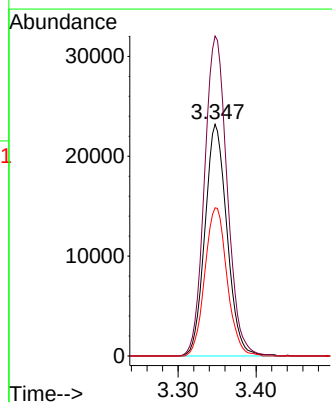
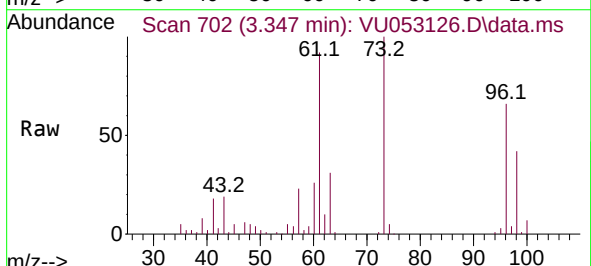
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

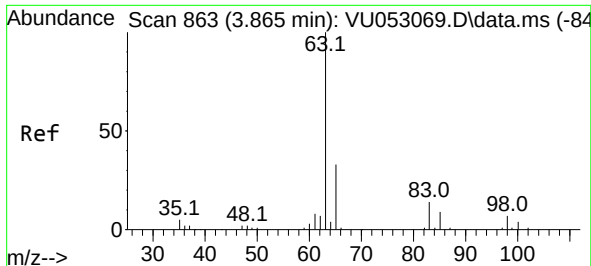
Tgt Ion: 73 Resp: 120283
Ion Ratio Lower Upper
73 100
43 18.0 14.6 21.8
57 21.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.872 ug/L
RT: 3.347 min Scan# 702
Delta R.T. -0.003 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion: 96 Resp: 45720
Ion Ratio Lower Upper
96 100
61 138.1 99.5 184.9
98 63.9 44.8 83.2





#19

1,1-Dichloroethane

Concen: 5.078 ug/L

RT: 3.865 min Scan# 8

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005141

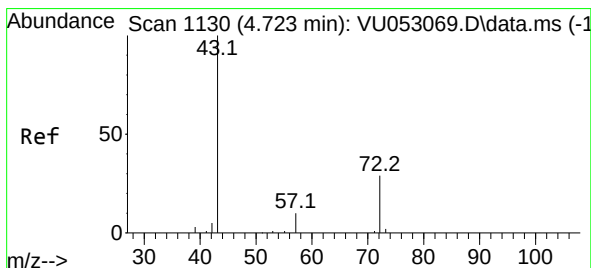
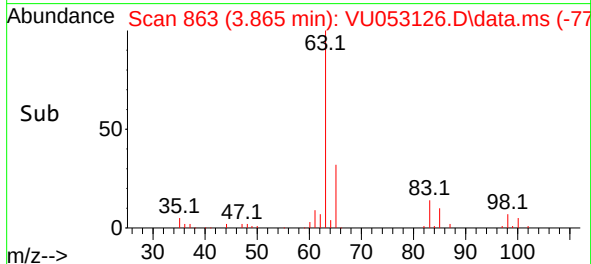
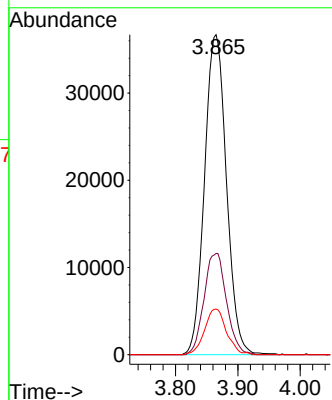
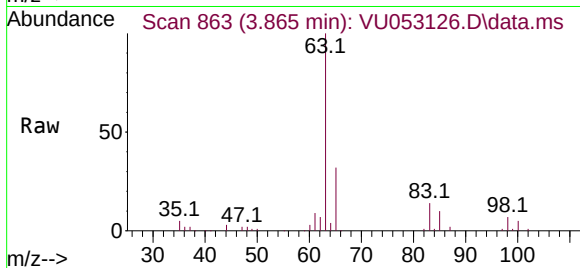
Tgt Ion: 63 Resp: 89748

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.3

83 14.2 9.8 18.2



#21

2-Butanone

Concen: 44.526 ug/L

RT: 4.727 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VU053126.D

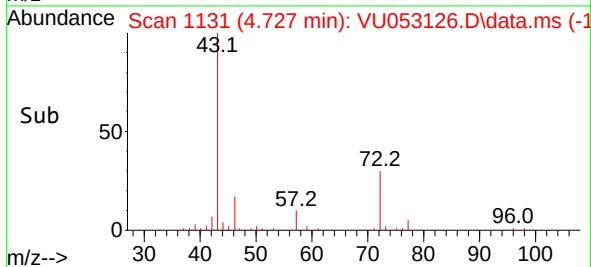
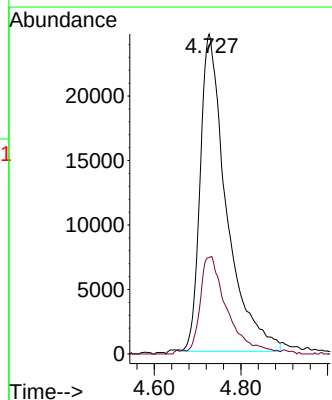
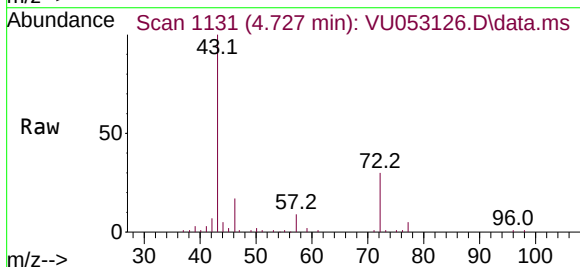
Acq: 18 Feb 2023 11:17

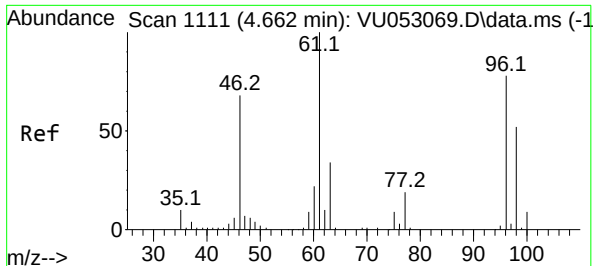
Tgt Ion: 43 Resp: 103849

Ion Ratio Lower Upper

43 100

72 28.3 14.5 43.5

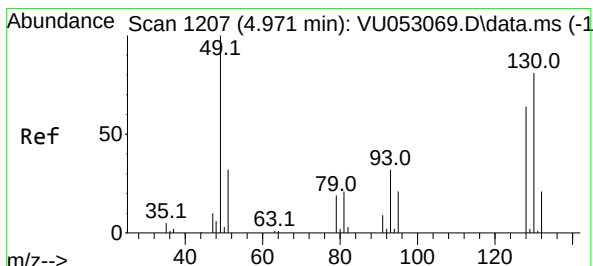
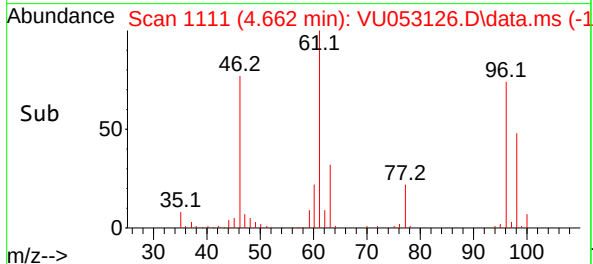
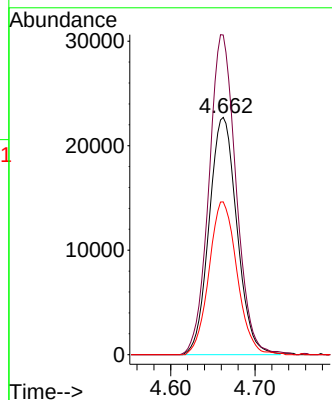
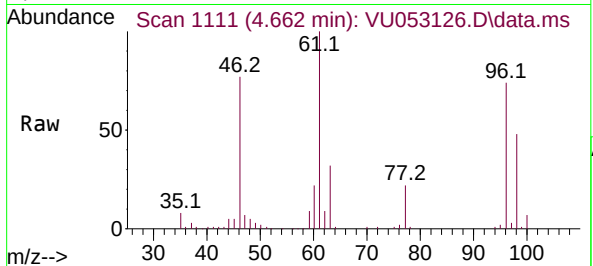




#22
 cis-1,2-Dichloroethene
 Concen: 4.923 ug/L
 RT: 4.662 min Scan# 1111
 Delta R.T. -0.000 min
 Lab File: VU053126.D
 Acq: 18 Feb 2023 11:17

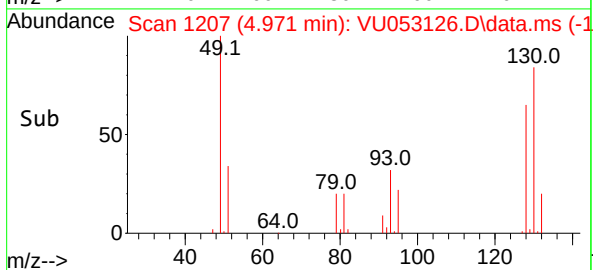
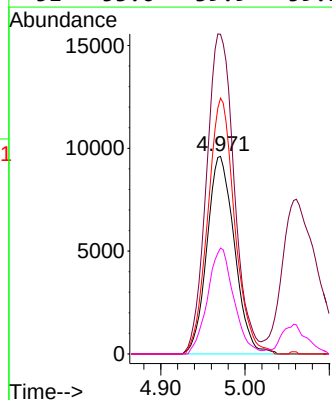
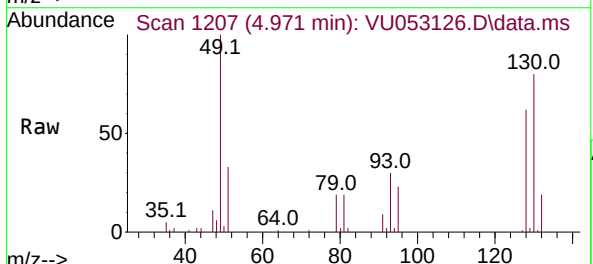
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005141

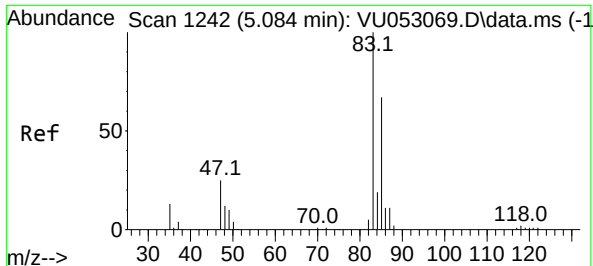
Tgt Ion: 96 Resp: 52133
 Ion Ratio Lower Upper
 96 100
 61 134.7 90.9 168.9
 98 64.4 47.0 87.4



#23
 Bromochloromethane
 Concen: 5.189 ug/L
 RT: 4.971 min Scan# 1207
 Delta R.T. -0.000 min
 Lab File: VU053126.D
 Acq: 18 Feb 2023 11:17

Tgt Ion: 128 Resp: 21762
 Ion Ratio Lower Upper
 128 100
 49 161.7 114.2 212.0
 130 129.4 91.6 170.2
 51 53.6 39.9 59.9





#25

Chloroform

Concen: 4.998 ug/L

RT: 5.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

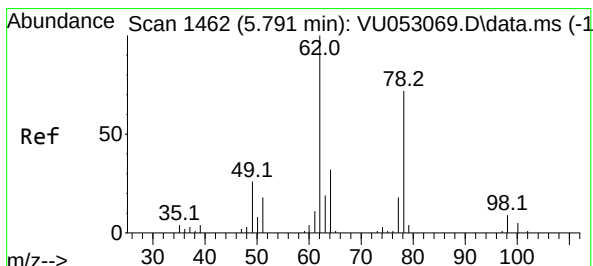
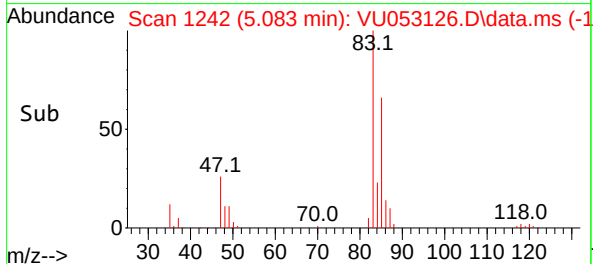
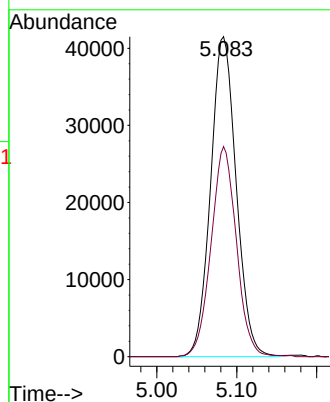
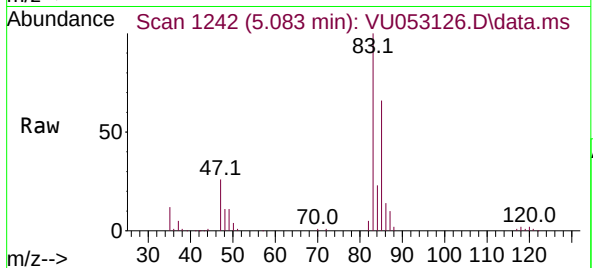
VSTD005141

Tgt Ion: 83 Resp: 92332

Ion Ratio Lower Upper

83 100

85 65.7 47.7 88.5



#27

1,2-Dichloroethane

Concen: 4.882 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. -0.000 min

Lab File: VU053126.D

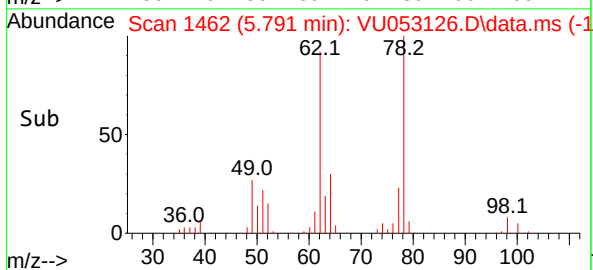
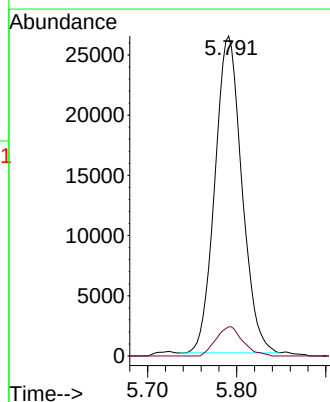
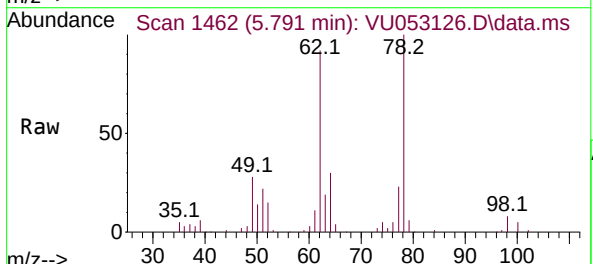
Acq: 18 Feb 2023 11:17

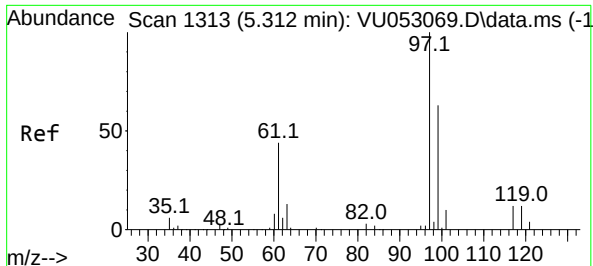
Tgt Ion: 62 Resp: 55441

Ion Ratio Lower Upper

62 100

98 9.1 7.1 10.7

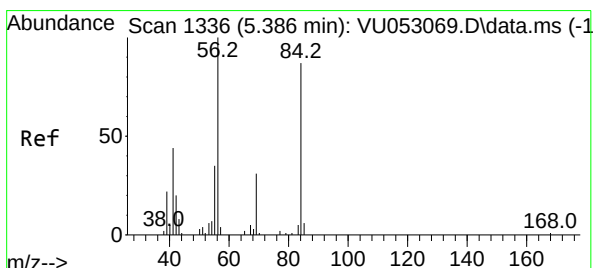
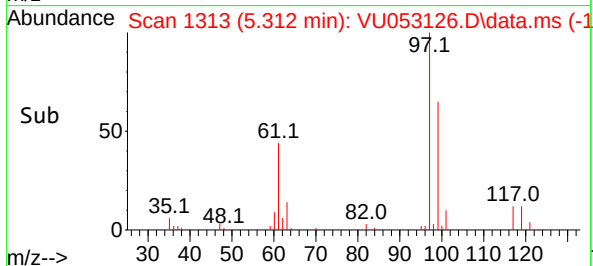
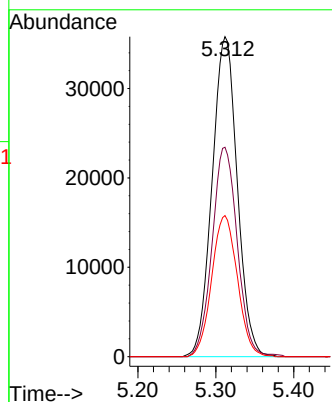
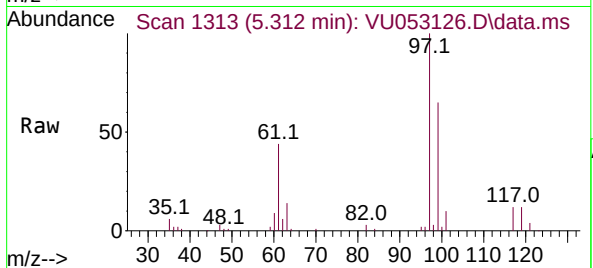




#29
1,1,1-Trichloroethane
Concen: 5.052 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

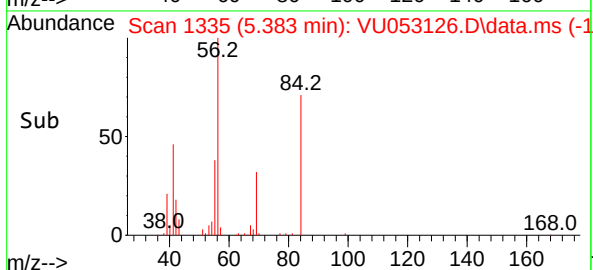
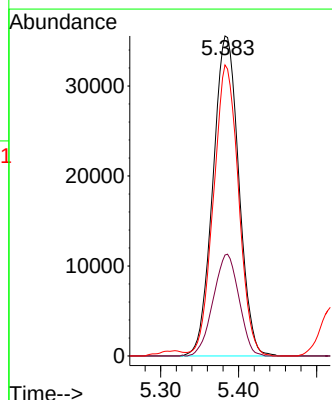
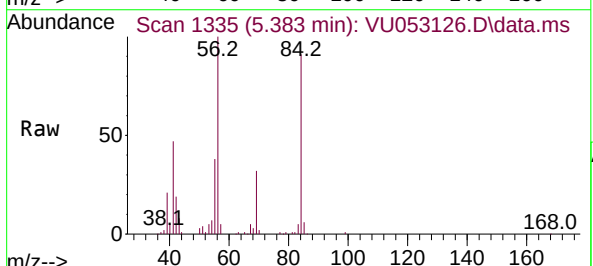
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

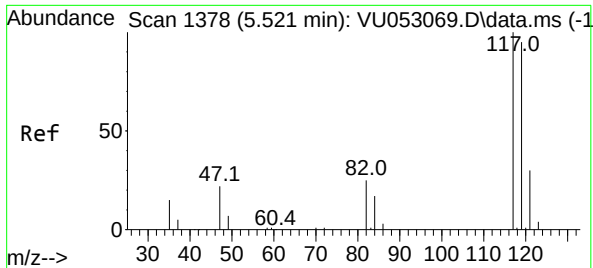
Tgt Ion: 97	Resp: 80329
Ion Ratio	Lower Upper
97 100	
99 65.5	51.0 76.6
61 45.0	34.2 51.4



#30
Cyclohexane
Concen: 5.161 ug/L
RT: 5.383 min Scan# 1335
Delta R.T. -0.003 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion: 56	Resp: 82065
Ion Ratio	Lower Upper
56 100	
69 31.6	27.0 40.6
84 88.1	70.8 106.2

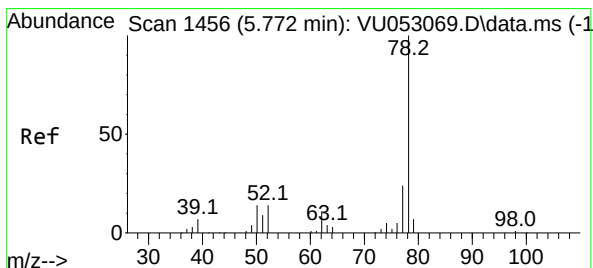
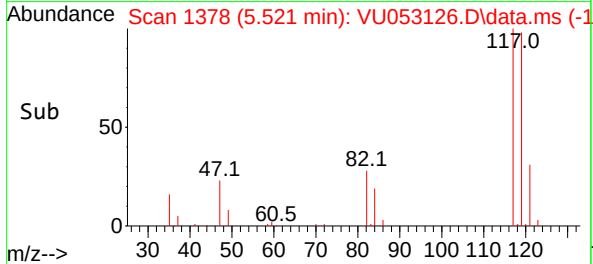
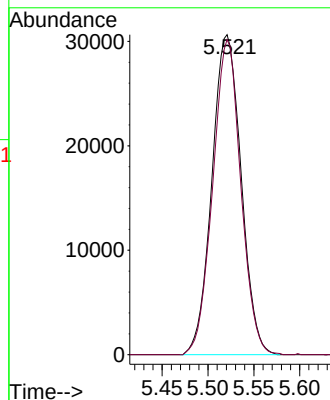
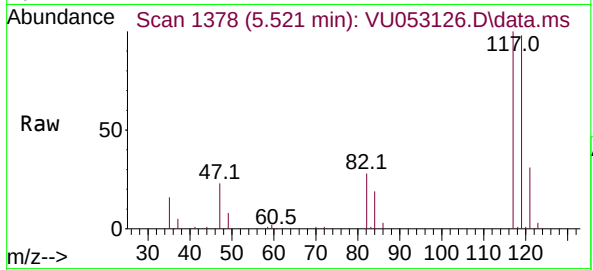




#31
Carbon tetrachloride
Concen: 5.111 ug/L
RT: 5.521 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

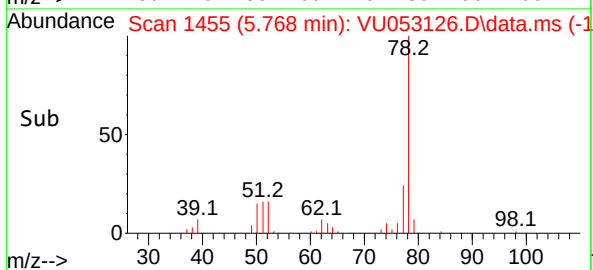
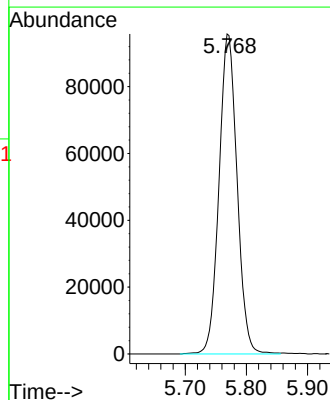
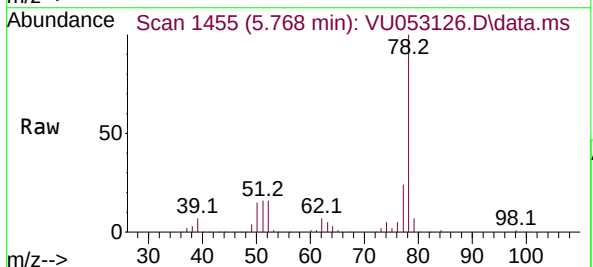
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

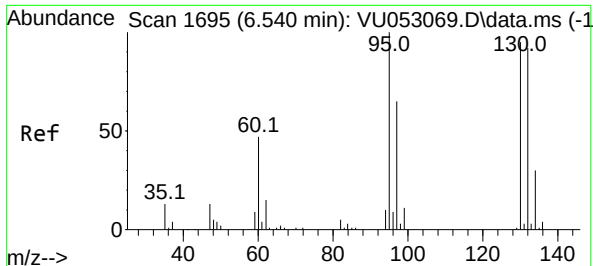
Tgt Ion:117 Resp: 67838
Ion Ratio Lower Upper
117 100
119 94.6 75.4 113.0



#33
Benzene
Concen: 5.123 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. -0.003 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion: 78 Resp: 196491

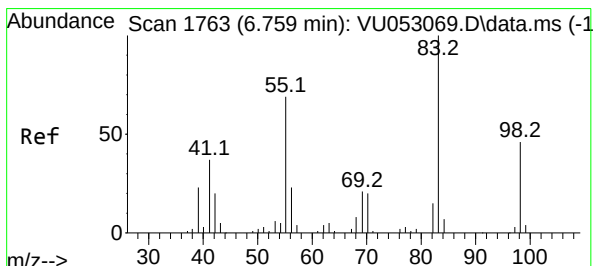
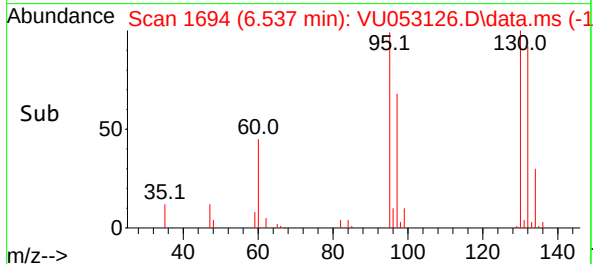
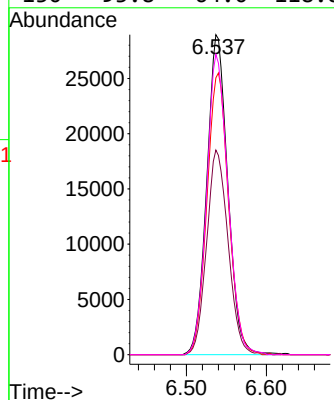
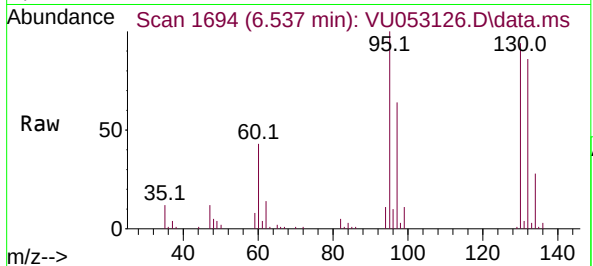




#34
Trichloroethene
Concen: 4.912 ug/L
RT: 6.537 min Scan# 1694
Delta R.T. -0.003 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

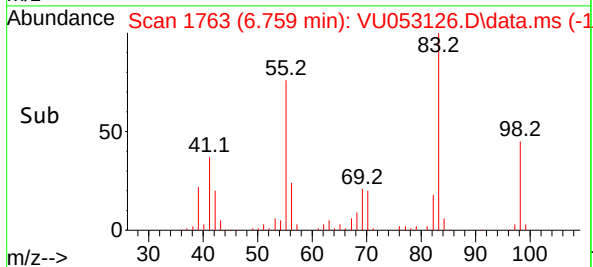
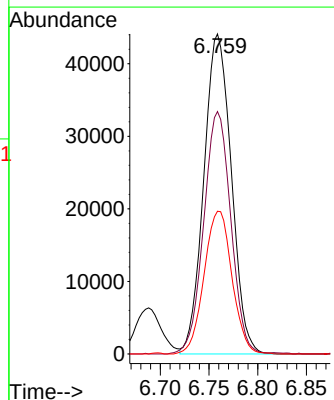
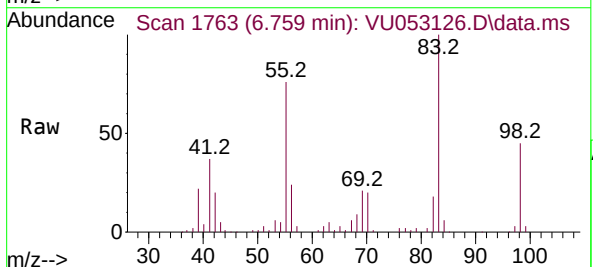
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

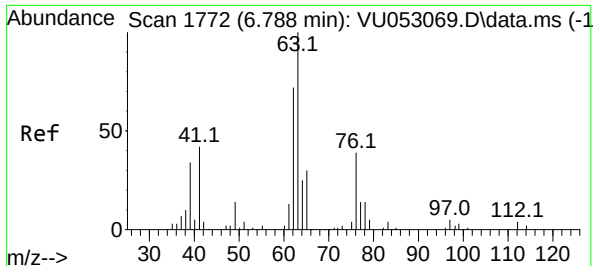
Tgt Ion: 95 Resp: 53016
Ion Ratio Lower Upper
95 100
97 64.0 44.7 82.9
132 86.5 62.3 115.7
130 93.8 64.0 118.8



#35
Methylcyclohexane
Concen: 4.956 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion: 83 Resp: 86603
Ion Ratio Lower Upper
83 100
55 74.6 57.9 86.9
98 45.2 36.4 54.6





#37

1,2-Dichloropropane

Concen: 5.079 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

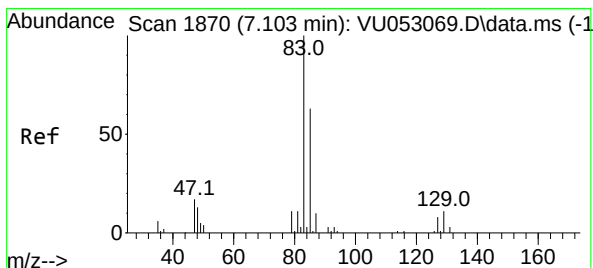
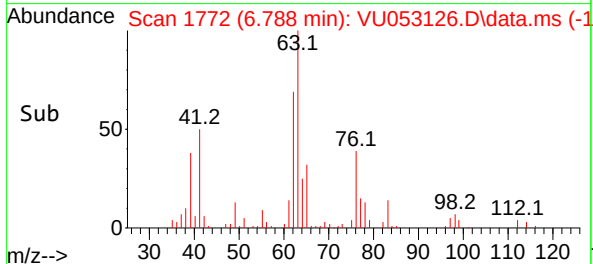
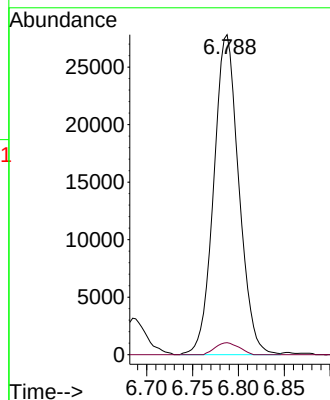
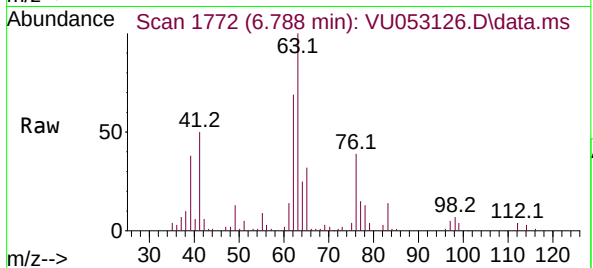
VSTD005141

Tgt Ion: 63 Resp: 53050

Ion Ratio Lower Upper

63 100

112 3.5 2.7 4.1



#38

Bromodichloromethane

Concen: 4.903 ug/L

RT: 7.103 min Scan# 1870

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

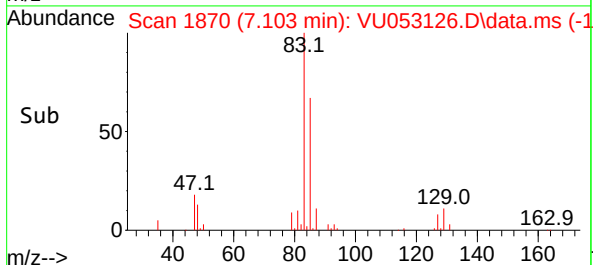
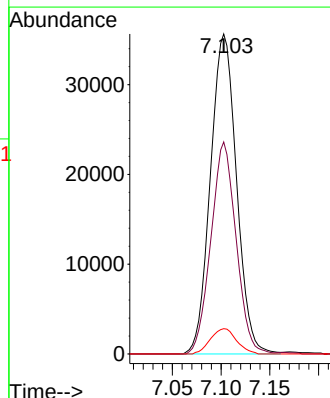
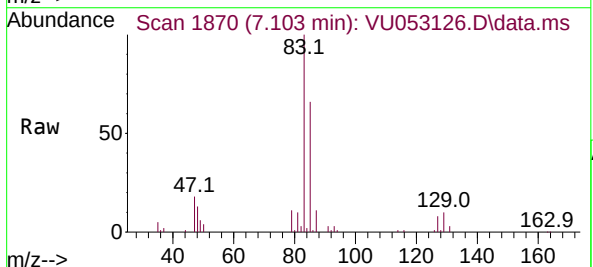
Tgt Ion: 83 Resp: 66404

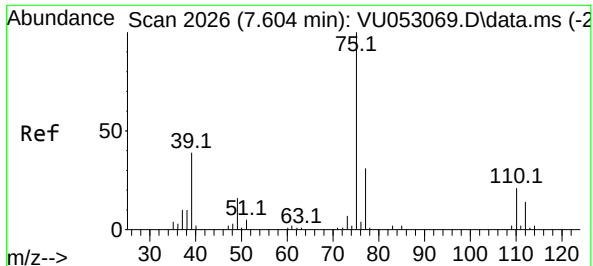
Ion Ratio Lower Upper

83 100

85 66.2 44.7 82.9

127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.732 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

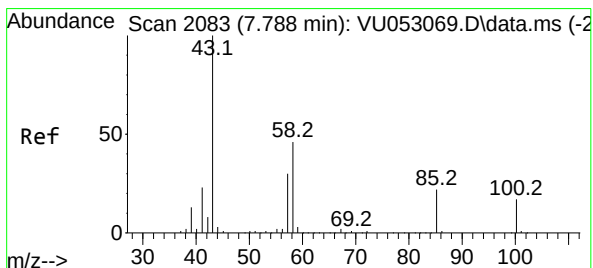
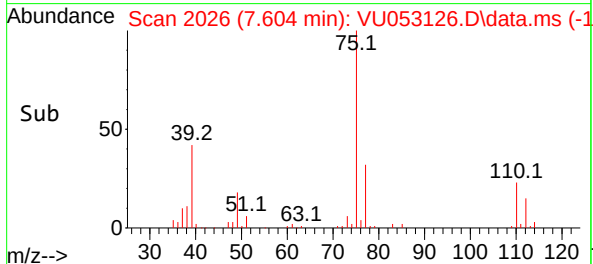
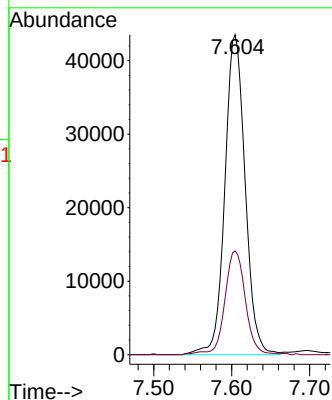
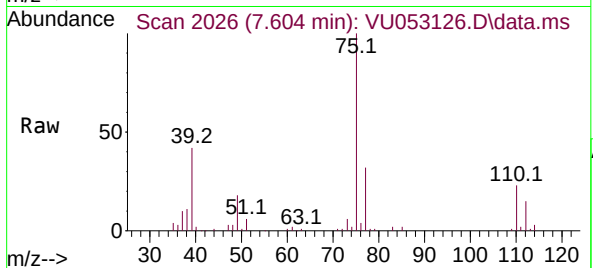
VSTD005141

Tgt Ion: 75 Resp: 78832

Ion Ratio Lower Upper

75 100

77 32.5 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 50.478 ug/L

RT: 7.794 min Scan# 2085

Delta R.T. 0.006 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

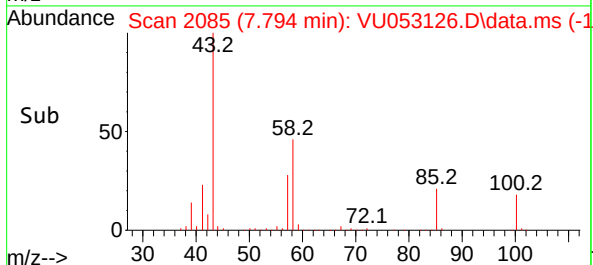
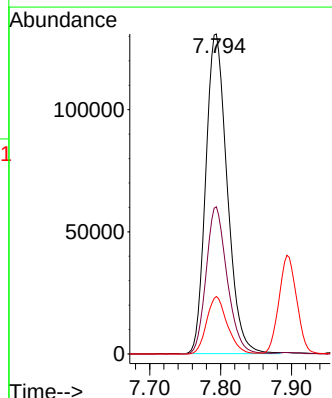
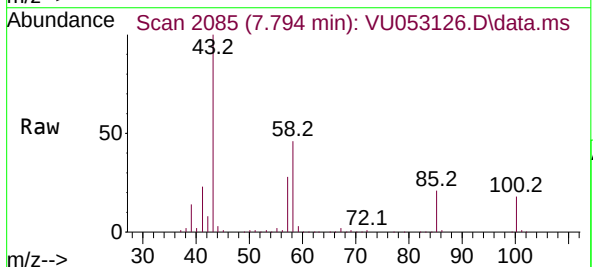
Tgt Ion: 43 Resp: 275212

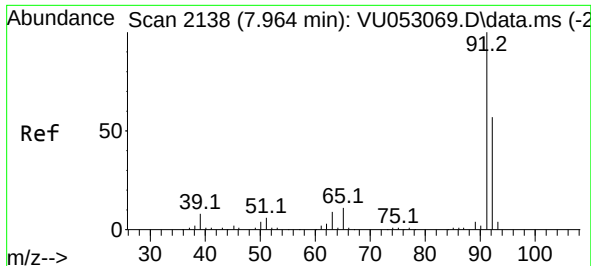
Ion Ratio Lower Upper

43 100

58 45.2 35.9 53.9

100 17.3 13.8 20.6





#42

Toluene

Concen: 5.109 ug/L

RT: 7.964 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

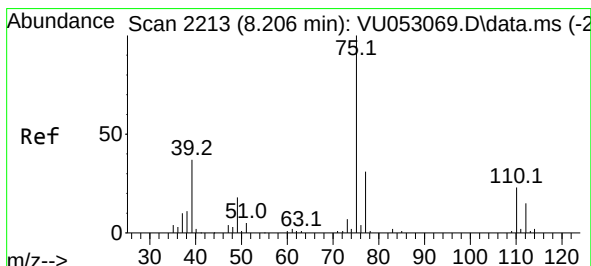
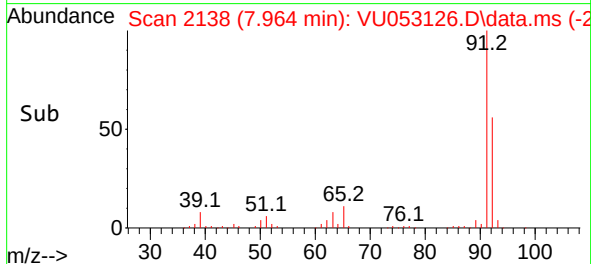
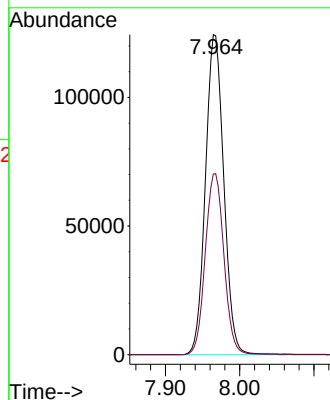
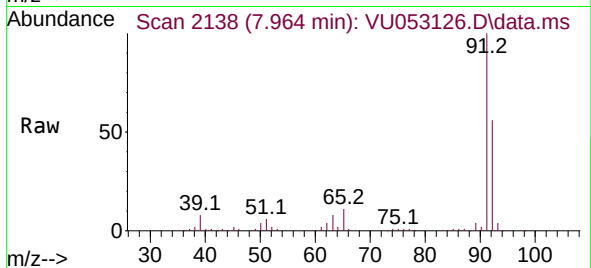
VSTD005141

Tgt Ion: 91 Resp: 212862

Ion Ratio Lower Upper

91 100

92 56.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.735 ug/L

RT: 8.209 min Scan# 2214

Delta R.T. 0.003 min

Lab File: VU053126.D

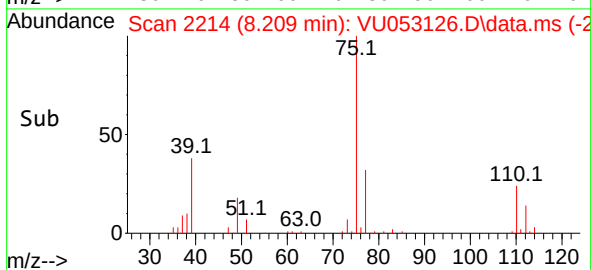
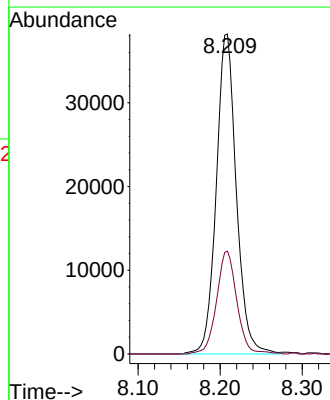
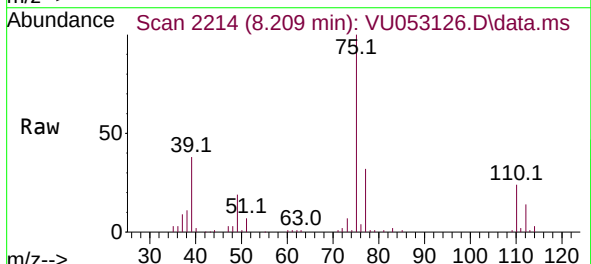
Acq: 18 Feb 2023 11:17

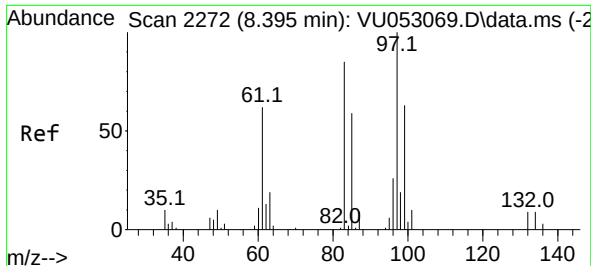
Tgt Ion: 75 Resp: 65063

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 4.856 ug/L

RT: 8.395 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005141

Tgt Ion: 97 Resp: 36538

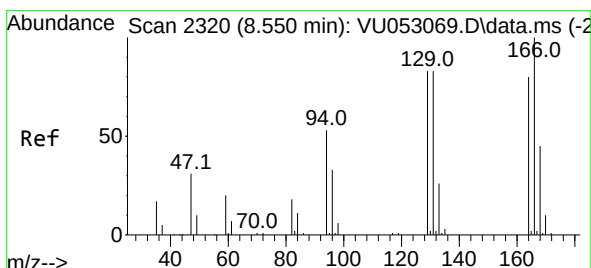
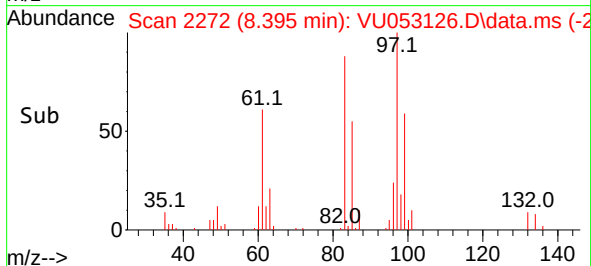
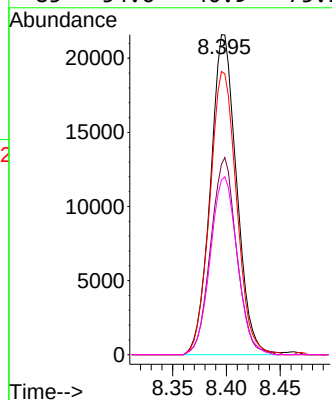
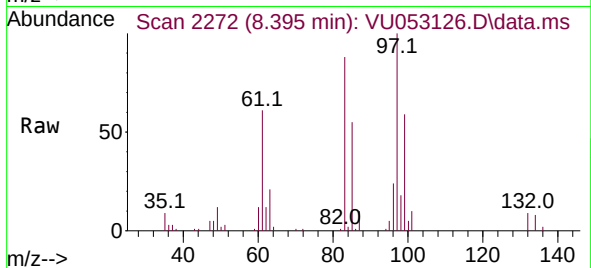
Ion Ratio Lower Upper

97 100

99 59.5 43.0 79.8

83 88.5 58.0 107.8

85 54.6 40.9 75.9



#47

Tetrachloroethene

Concen: 5.073 ug/L

RT: 8.550 min Scan# 2320

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Tgt Ion:164 Resp: 35589

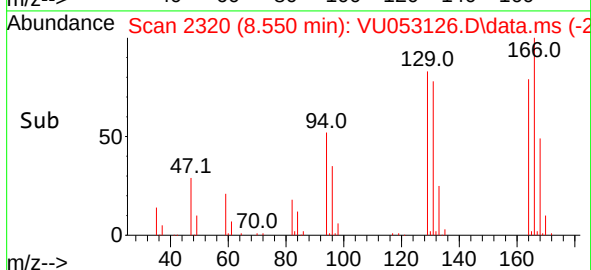
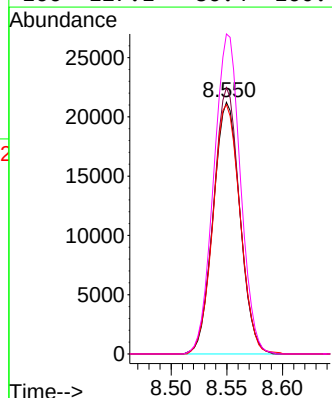
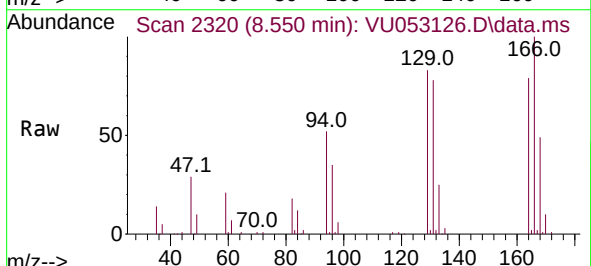
Ion Ratio Lower Upper

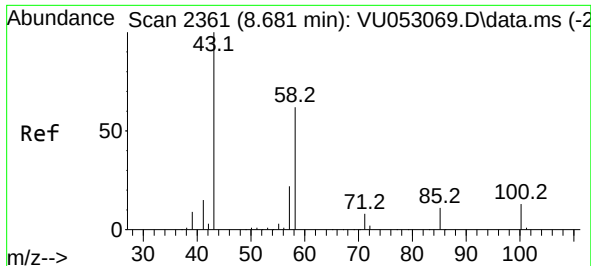
164 100

129 105.8 71.7 133.1

131 99.0 67.8 126.0

166 127.1 86.4 160.4

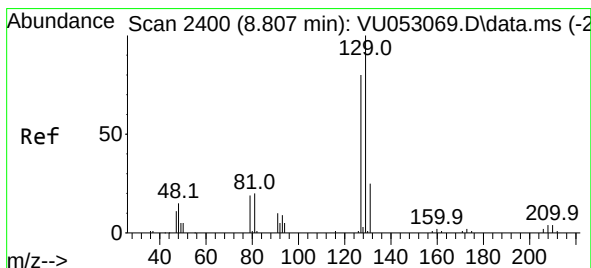
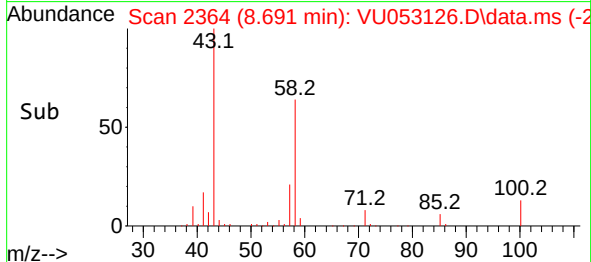
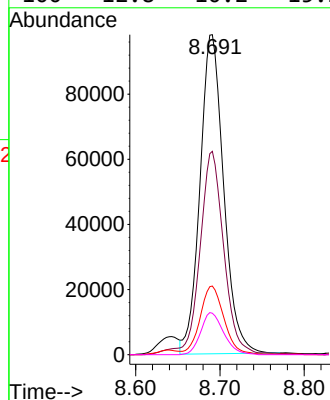
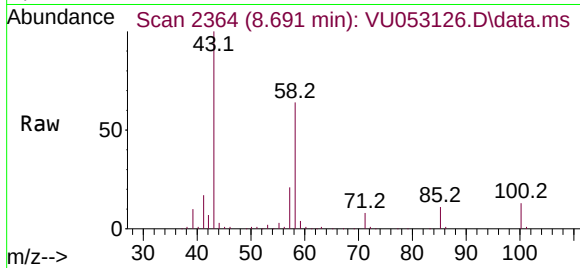




#48
2-Hexanone
Concen: 47.891 ug/L
RT: 8.691 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

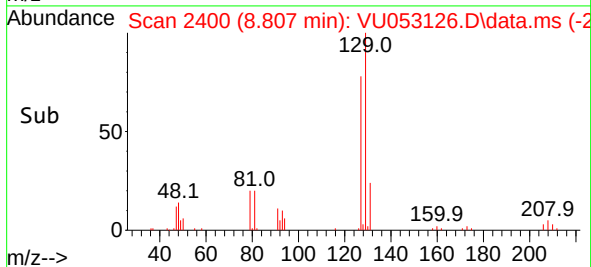
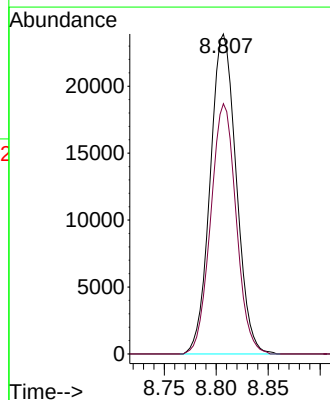
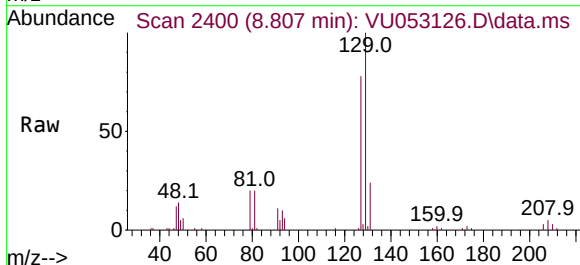
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

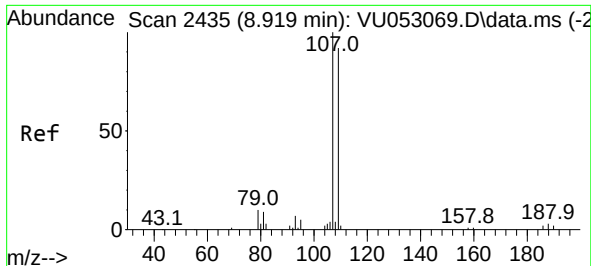
Tgt Ion:	43	Resp:	191635
Ion	Ratio	Lower	Upper
43	100		
58	65.0	50.3	75.5
57	21.7	17.4	26.0
100	12.8	10.2	15.2



#49
Dibromochloromethane
Concen: 5.080 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion:	129	Resp:	41678
Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.9	102.1





#50

1,2-Dibromoethane

Concen: 5.063 ug/L

RT: 8.923 min Scan# 2435

Delta R.T. 0.003 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005141

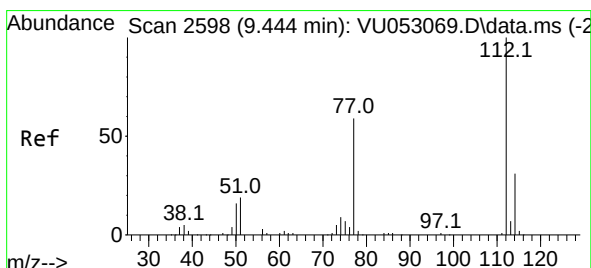
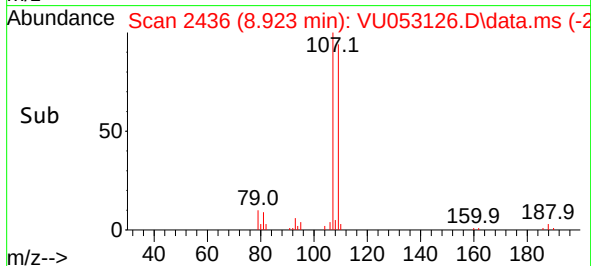
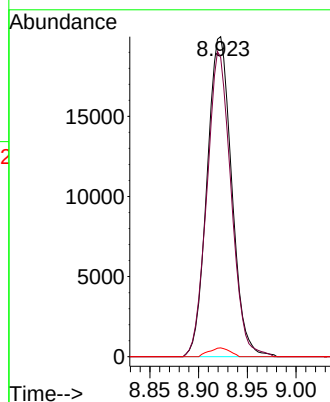
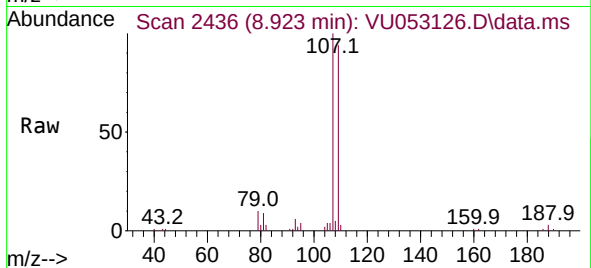
Tgt Ion:107 Resp: 35149

Ion Ratio Lower Upper

107 100

109 93.5 63.1 117.1

188 2.7 2.5 3.7



#51

Chlorobenzene

Concen: 5.040 ug/L

RT: 9.443 min Scan# 2598

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

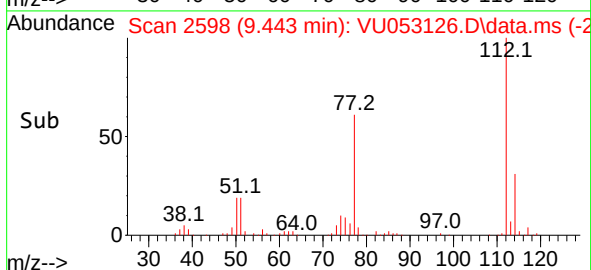
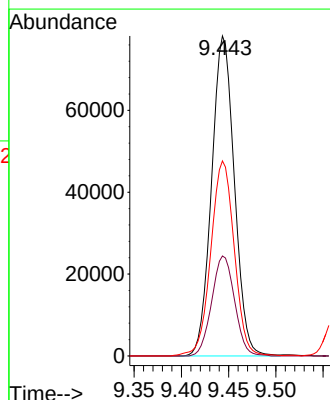
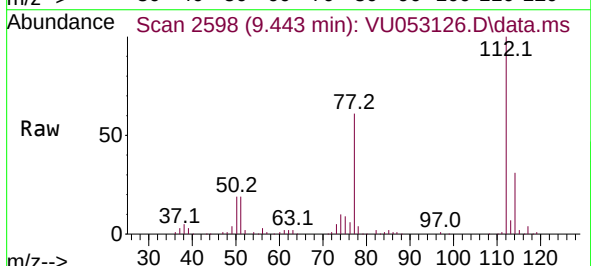
Tgt Ion:112 Resp: 131007

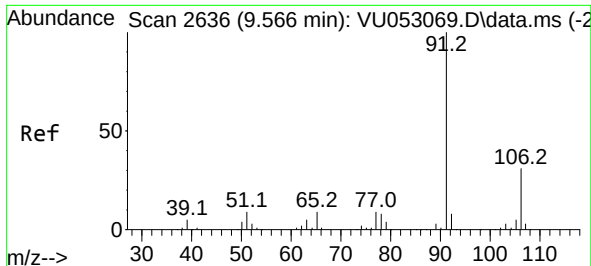
Ion Ratio Lower Upper

112 100

114 31.2 22.3 41.3

77 61.0 48.9 73.3

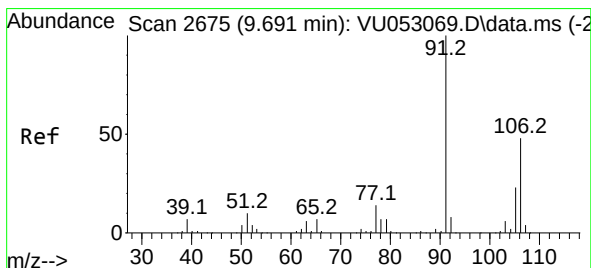
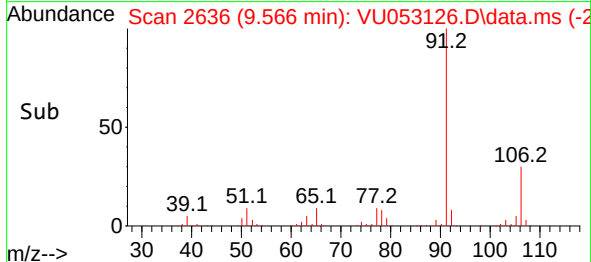
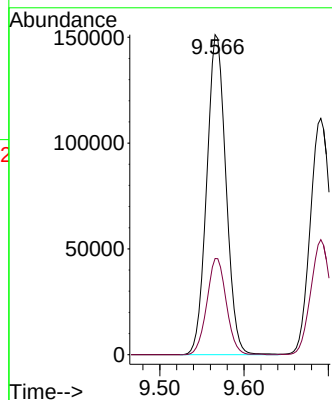
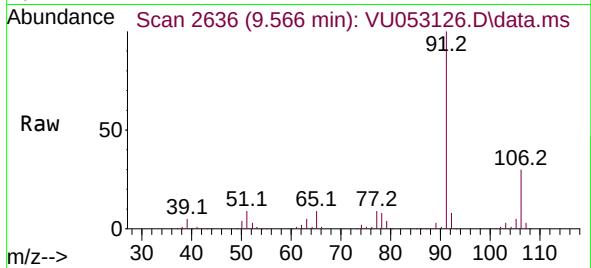




#52
Ethylbenzene
Concen: 5.070 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

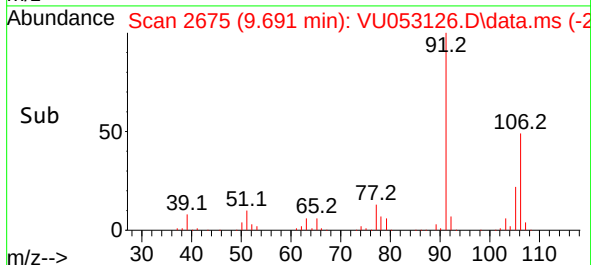
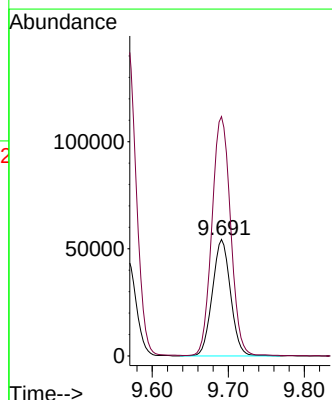
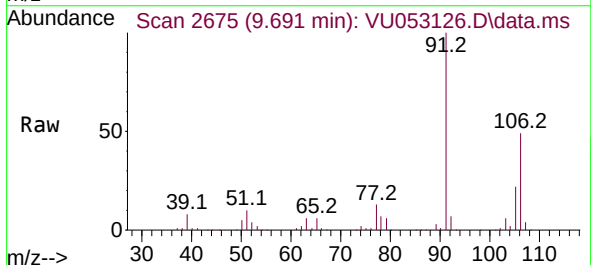
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

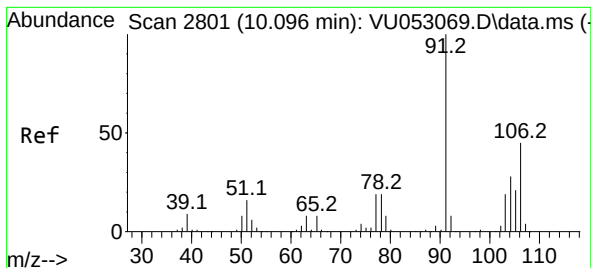
Tgt Ion: 91 Resp: 239728
Ion Ratio Lower Upper
91 100
106 30.1 21.4 39.8



#53
m,p-Xylene
Concen: 5.102 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion: 106 Resp: 90211
Ion Ratio Lower Upper
106 100
91 205.4 149.9 278.3





#54

o-Xylene

Concen: 5.121 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

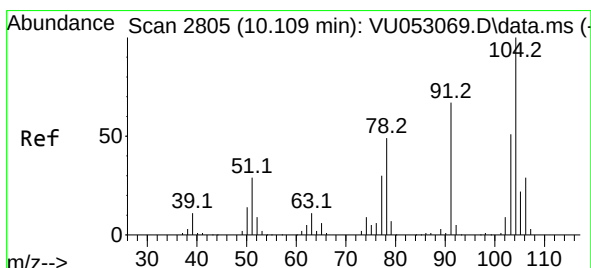
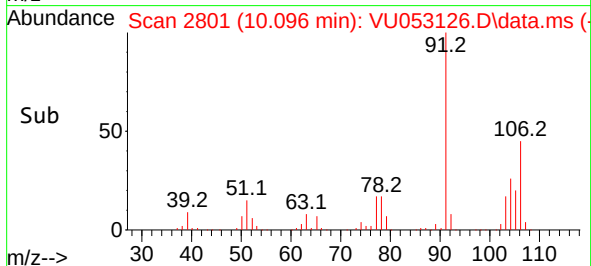
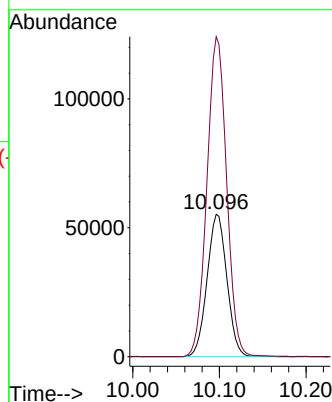
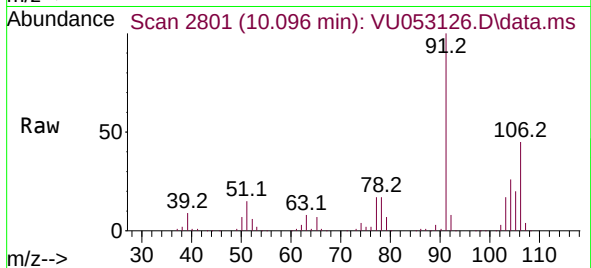
VSTD005141

Tgt Ion:106 Resp: 87771

Ion Ratio Lower Upper

106 100

91 224.7 153.6 285.2



#55

Styrene

Concen: 5.209 ug/L

RT: 10.112 min Scan# 2806

Delta R.T. 0.003 min

Lab File: VU053126.D

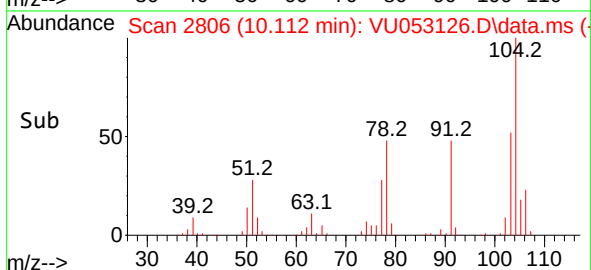
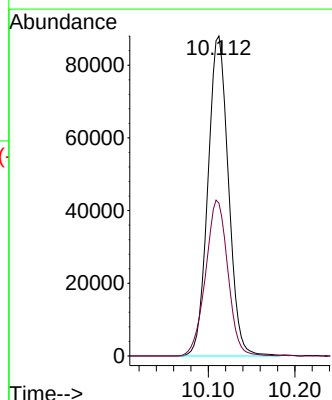
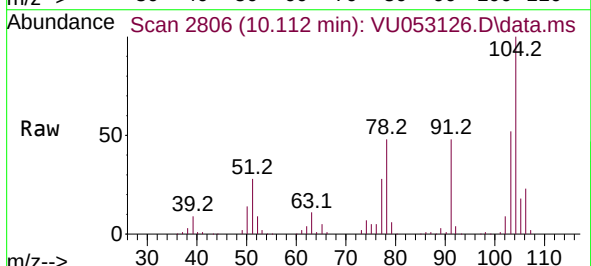
Acq: 18 Feb 2023 11:17

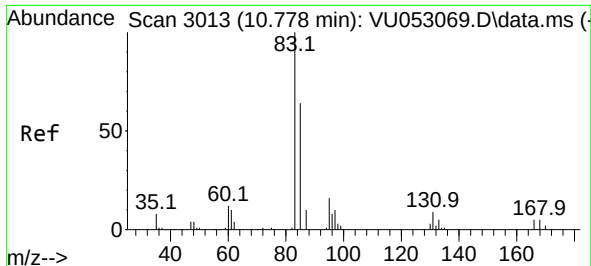
Tgt Ion:104 Resp: 144824

Ion Ratio Lower Upper

104 100

78 47.8 34.3 63.7

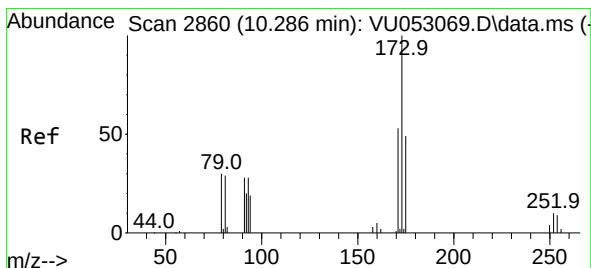
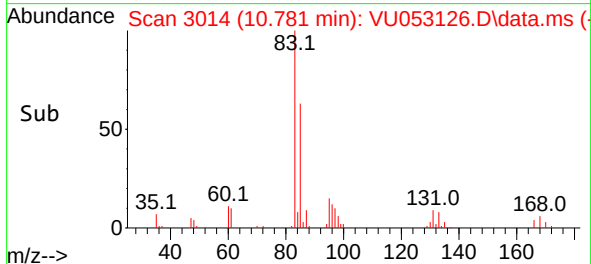
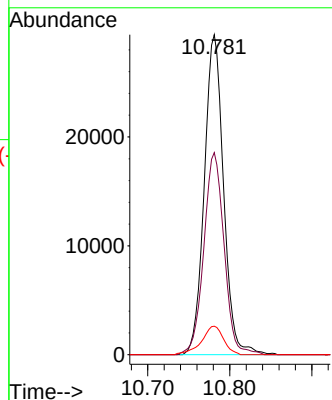
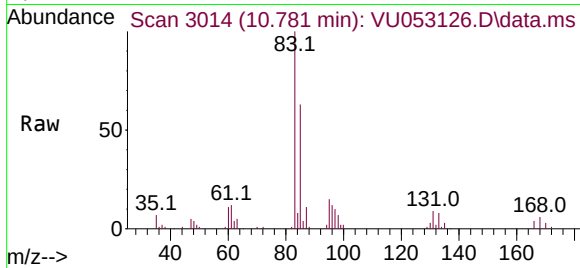




#57
1,1,2,2-Tetrachloroethane
Concen: 5.045 ug/L
RT: 10.781 min Scan# 3014
Delta R.T. 0.003 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

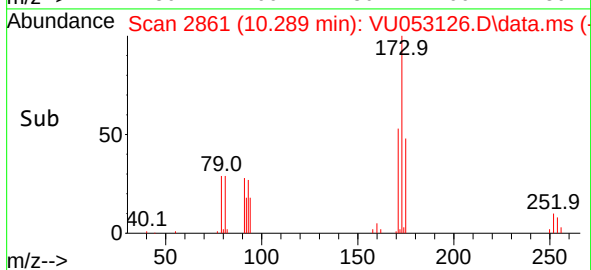
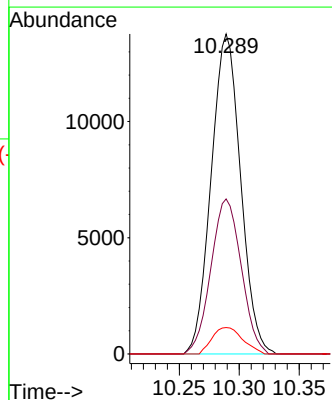
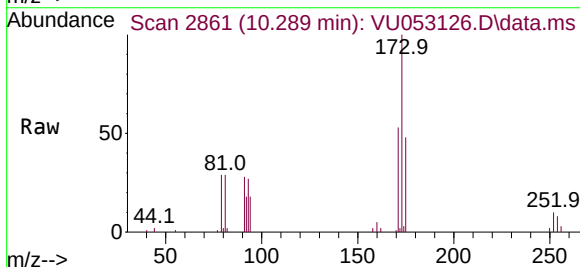
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

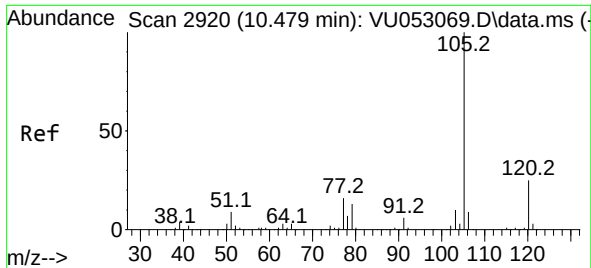
Tgt Ion: 83 Resp: 48035
Ion Ratio Lower Upper
83 100
85 63.1 44.7 82.9
131 8.9 7.8 11.6



#59
Bromoform
Concen: 4.857 ug/L
RT: 10.289 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion:173 Resp: 23451
Ion Ratio Lower Upper
173 100
175 49.9 38.9 58.3
254 8.6 7.0 10.4

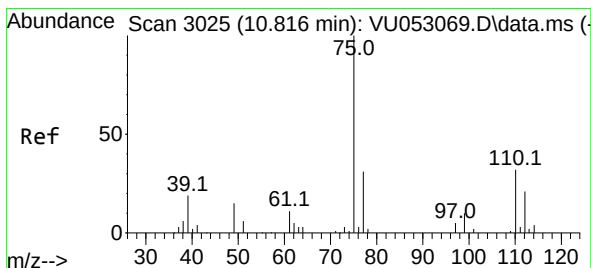
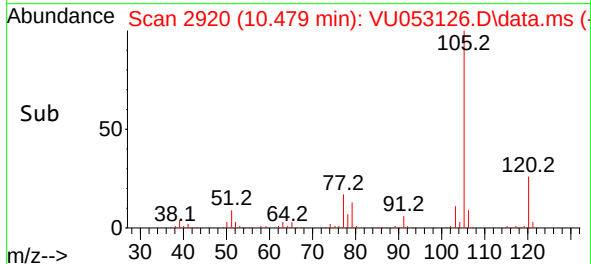
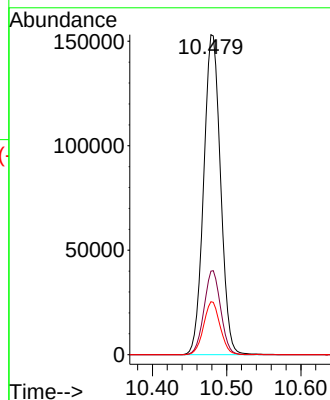
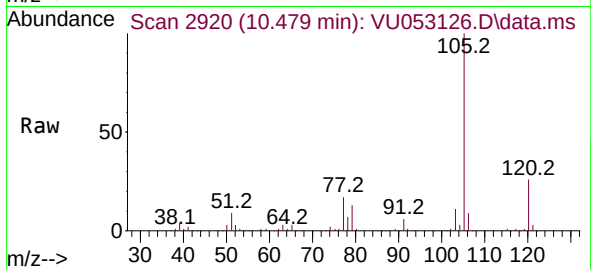




#60
Isopropylbenzene
Concen: 5.011 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

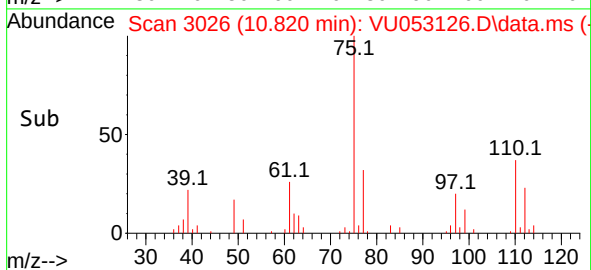
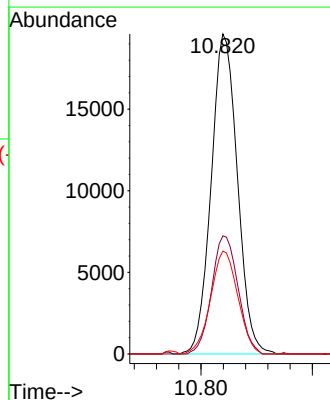
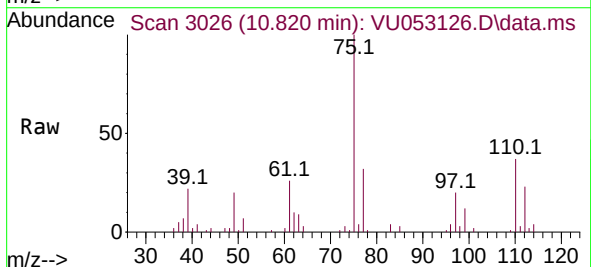
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

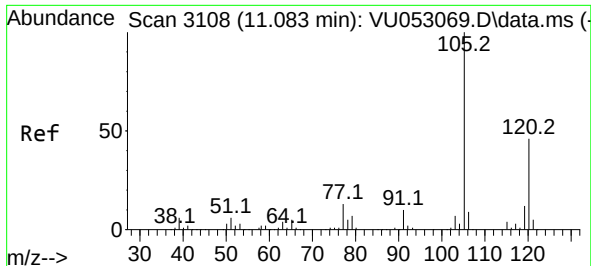
Tgt Ion:105 Resp: 240805
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.025 ug/L
RT: 10.820 min Scan# 3026
Delta R.T. 0.003 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion: 75 Resp: 32047
Ion Ratio Lower Upper
75 100
110 37.1 28.6 42.8
77 33.3 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 4.959 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

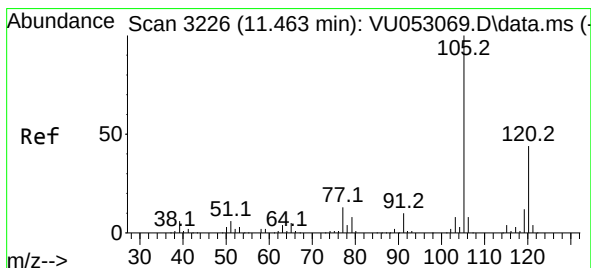
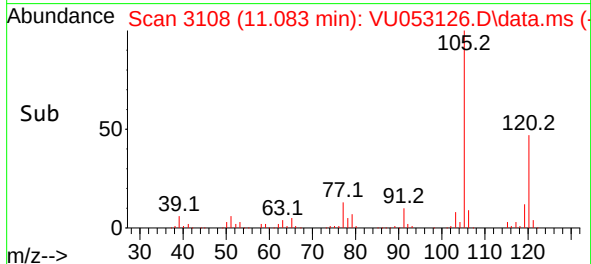
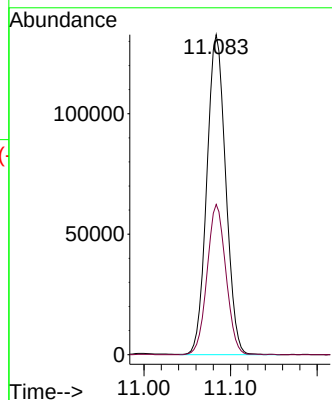
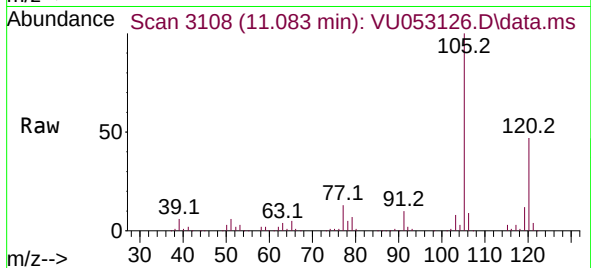
VSTD005141

Tgt Ion:105 Resp: 201244

Ion Ratio Lower Upper

105 100

120 46.7 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 5.098 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. -0.000 min

Lab File: VU053126.D

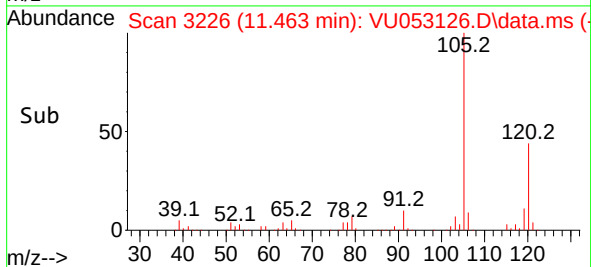
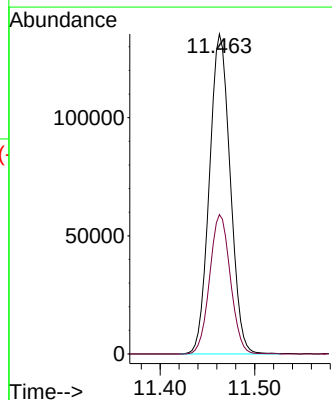
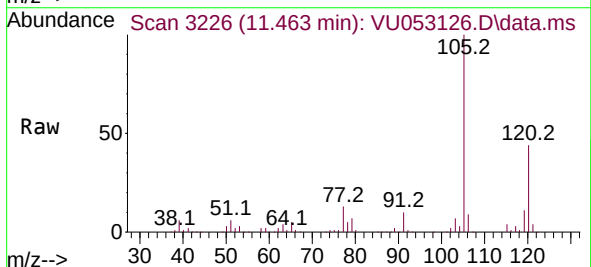
Acq: 18 Feb 2023 11:17

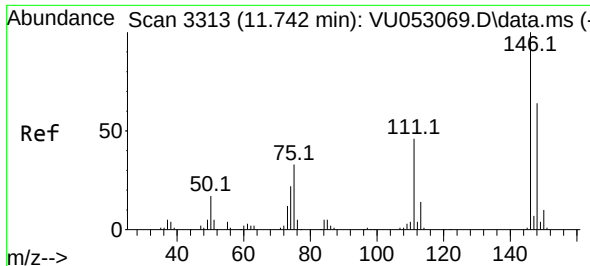
Tgt Ion:105 Resp: 207066

Ion Ratio Lower Upper

105 100

120 43.4 34.7 52.1

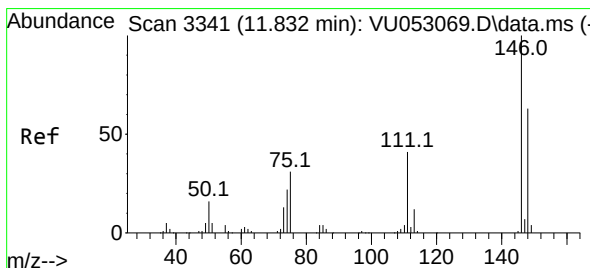
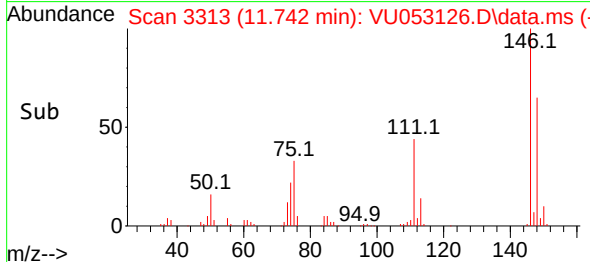
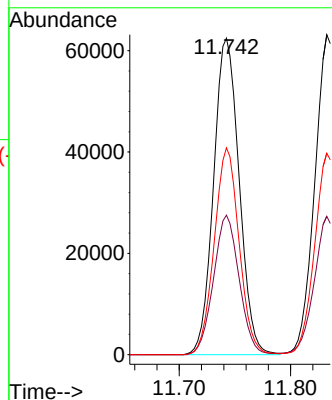
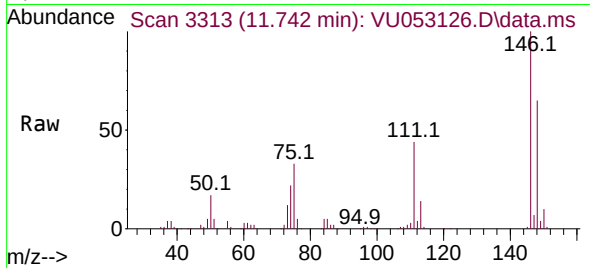




#64
1,3-Dichlorobenzene
Concen: 5.122 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

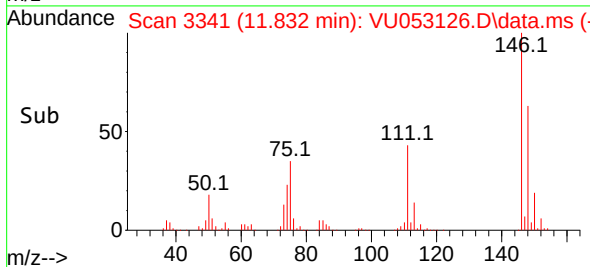
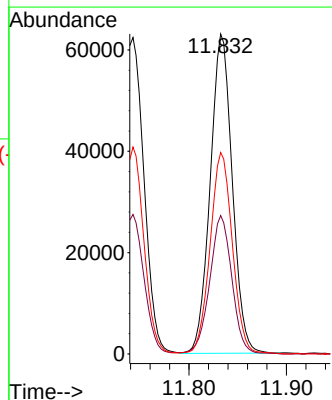
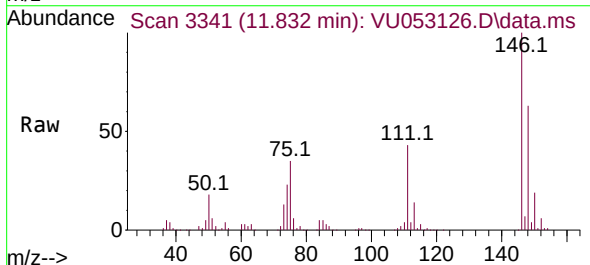
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

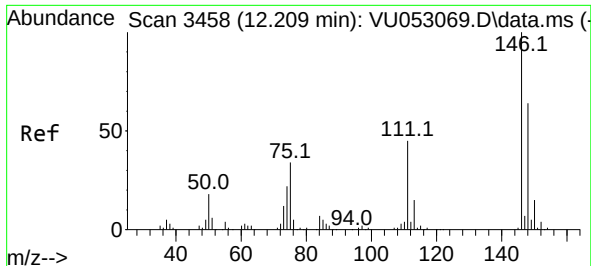
Tgt Ion:146 Resp: 99680
Ion Ratio Lower Upper
146 100
111 44.1 32.0 59.4
148 65.4 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 5.079 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion:146 Resp: 99032
Ion Ratio Lower Upper
146 100
111 43.2 30.3 56.3
148 63.0 44.7 82.9

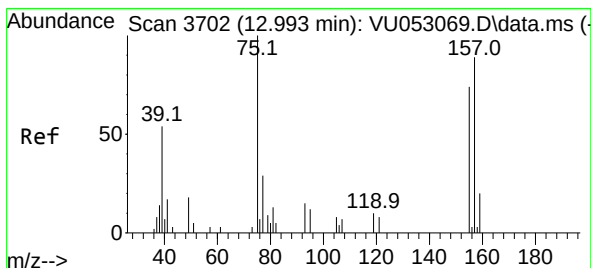
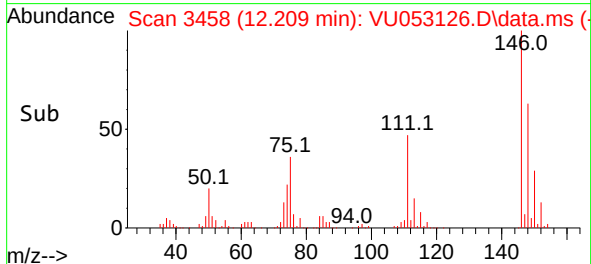
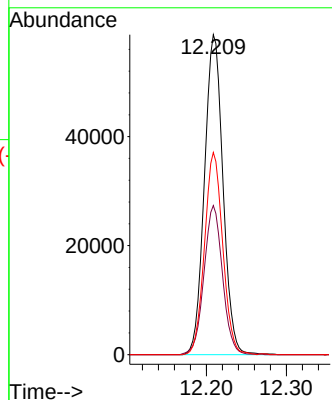
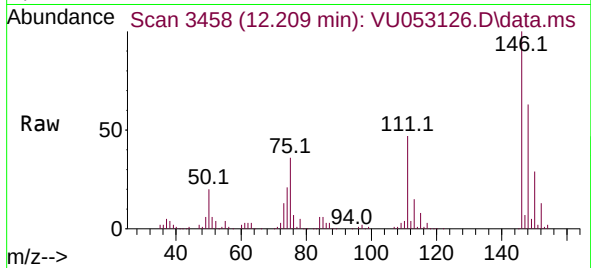




#67
1,2-Dichlorobenzene
Concen: 5.219 ug/L
RT: 12.209 min Scan# 3458
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

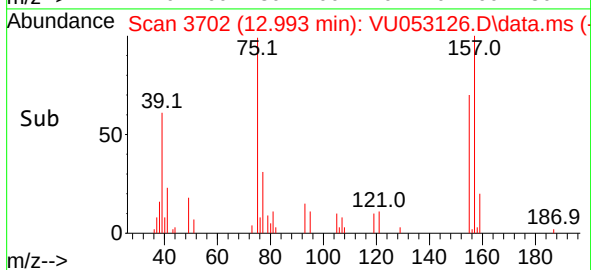
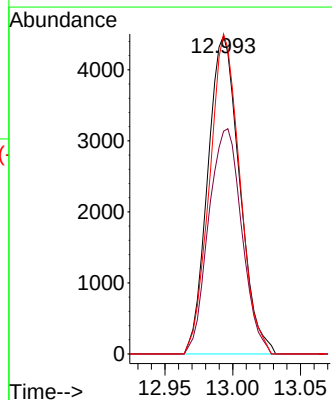
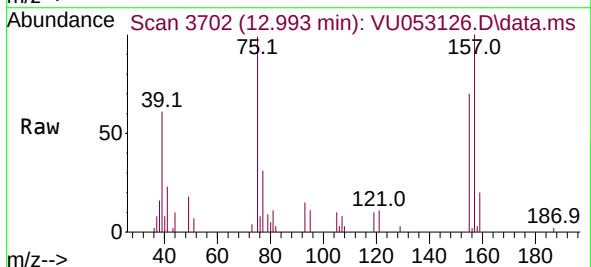
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

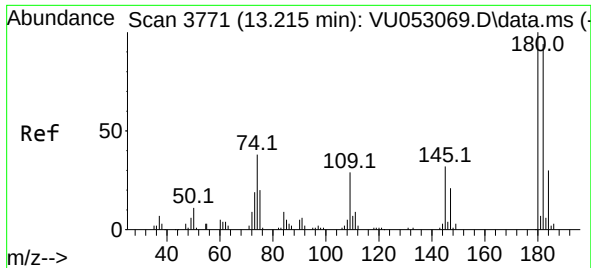
Tgt Ion:146 Resp: 94700
Ion Ratio Lower Upper
146 100
111 46.6 36.3 54.5
148 63.2 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 4.867 ug/L
RT: 12.993 min Scan# 3702
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion: 75 Resp: 7296
Ion Ratio Lower Upper
75 100
155 70.1 59.8 89.8
157 100.7 73.2 109.8

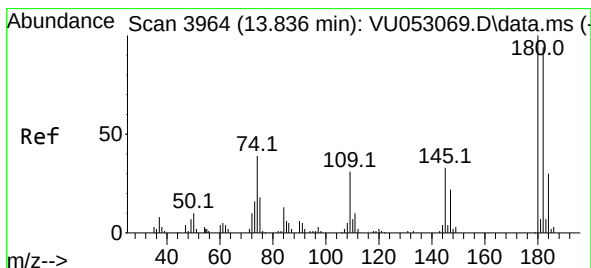
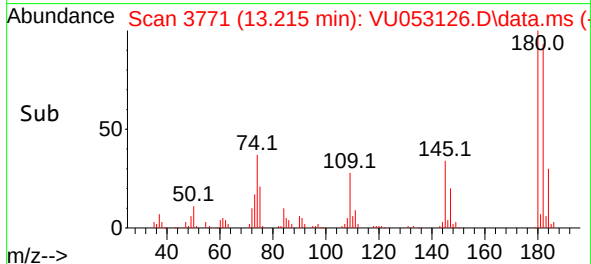
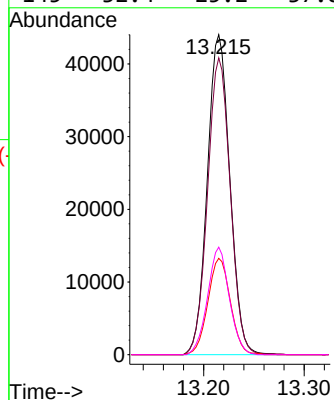
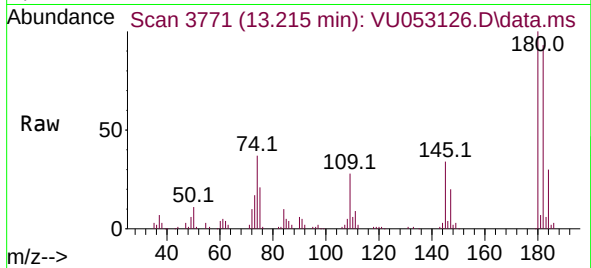




#69
1,3,5-Trichlorobenzene
Concen: 4.948 ug/L
RT: 13.215 min Scan# 3771
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

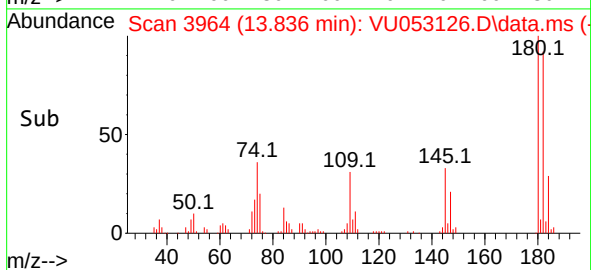
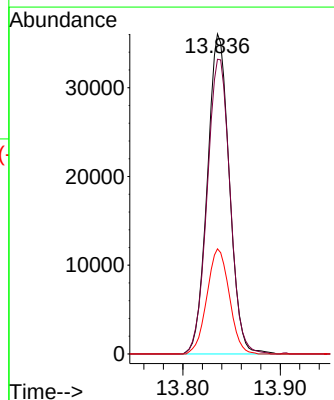
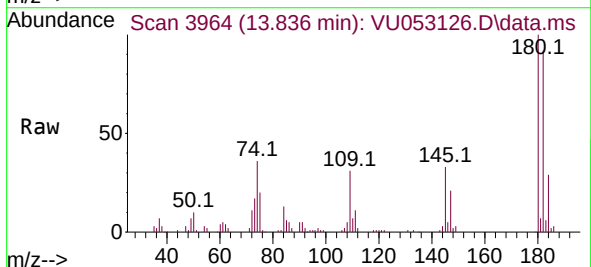
Instrument :
MSVOA_U
ClientSampleId :
VSTD005141

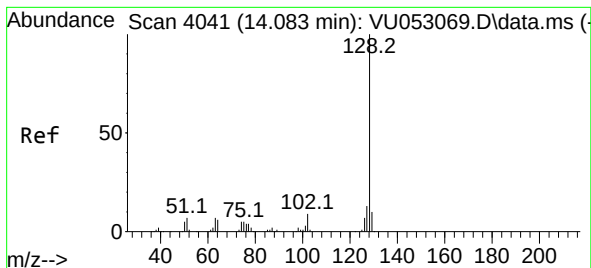
Tgt Ion:180 Resp: 68597
Ion Ratio Lower Upper
180 100
182 93.5 75.4 113.0
184 30.1 23.8 35.6
145 32.4 25.2 37.8



#70
1,2,4-trichlorobenzene
Concen: 4.924 ug/L
RT: 13.836 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU053126.D
Acq: 18 Feb 2023 11:17

Tgt Ion:180 Resp: 56664
Ion Ratio Lower Upper
180 100
182 95.6 74.9 112.3
145 33.4 25.1 37.7





#71

Naphthalene

Concen: 4.976 ug/L

RT: 14.083 min Scan# 4041

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005141

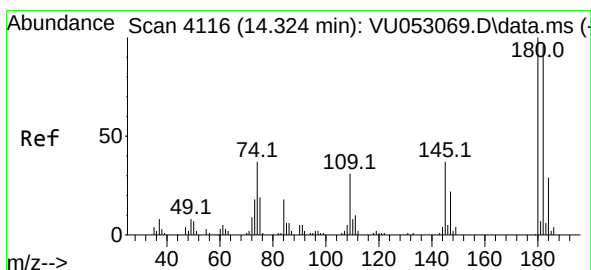
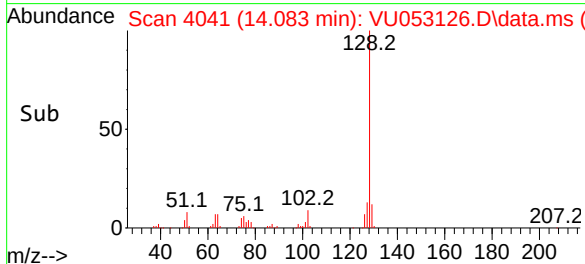
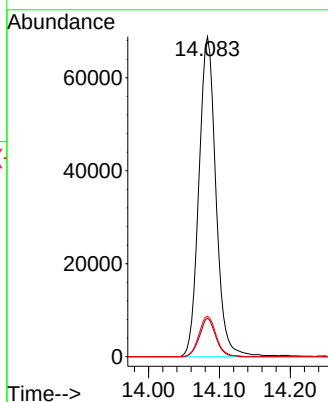
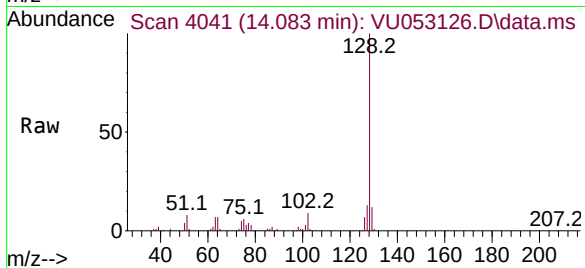
Tgt Ion:128 Resp: 114840

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 12.8 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.817 ug/L

RT: 14.324 min Scan# 4116

Delta R.T. -0.000 min

Lab File: VU053126.D

Acq: 18 Feb 2023 11:17

Tgt Ion:180 Resp: 48921

Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.4

145 35.6 28.2 42.2

