

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042623\
 Data File : VU053925.D
 Acq On : 26 Apr 2023 19:44
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005163

Quant Time: Apr 27 05:58:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	132450	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	128395	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	70509	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	30325	3.759	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.200%
7) Chloroethane-d5	1.916	69	28467	4.204	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.000%
11) 1,1-Dichloroethene-d2	2.565	65	13479	4.060	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.200%
20) 2-Butanone-d5	4.633	46	77386	52.372	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.740%
24) Chloroform-d	5.060	84	75008	4.934	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.700	65	33301	4.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.722	84	136875	4.525	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.687	67	43175	4.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.893	98	130805	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	8.176	79	16454	4.572	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.629	63	65723	51.605	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.200%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	35916	4.857	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	12.188	152	49023	4.335	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	53513	5.446	ug/L	99
3) Chloromethane	1.520	50	52115	5.462	ug/L	97
5) Vinyl chloride	1.604	62	61763	5.610	ug/L	97
6) Bromomethane	1.861	94	39350	5.492	ug/L	96
8) Chloroethane	1.935	64	39125	5.694	ug/L	96
9) Trichlorofluoromethane	2.137	101	87737	5.398	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	50016	5.295	ug/L	98
12) 1,1-Dichloroethene	2.578	96	44918	5.392	ug/L	94
13) Acetone	2.645	43	58213	48.582	ug/L	99
14) Carbon disulfide	2.793	76	113942	4.991	ug/L	99
15) Methyl Acetate	2.957	43	14853	5.743	ug/L	98
16) Methylene chloride	3.044	84	57547	5.061	ug/L	98
17) Methyl tert-butyl Ether	3.362	73	101733	5.637	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	46494	5.523	ug/L	100
19) 1,1-Dichloroethane	3.864	63	87466	5.741	ug/L	99
21) 2-Butanone	4.710	43	93407	56.314	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	52480	5.526	ug/L	93
23) Bromochloromethane	4.973	128	24409	5.776	ug/L	96
25) Chloroform	5.083	83	94863	5.733	ug/L	99

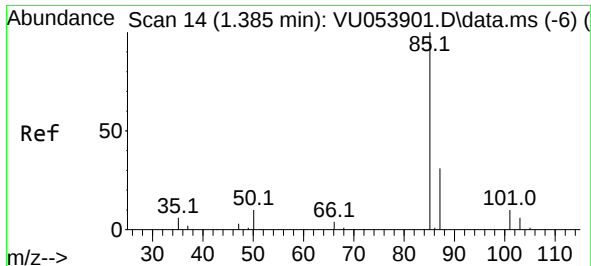
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 ALS Vial : 27 Sample Multiplier: 1

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 ClientSampleId :
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Quant Time: Apr 27 05:58:36 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	5.790	62	53363	5.626	ug/L	100
29) 1,1,1-Trichloroethane	5.311	97	79604	5.515	ug/L	99
30) Cyclohexane	5.385	56	68052	5.248	ug/L	98
31) Carbon tetrachloride	5.523	117	67455	5.376	ug/L	98
33) Benzene	5.771	78	199374	5.509	ug/L	100
34) Trichloroethene	6.539	95	55100	5.587	ug/L	99
35) Methylcyclohexane	6.758	83	78669	5.164	ug/L	98
37) 1,2-Dichloropropane	6.787	63	51340	5.718	ug/L	98
38) Bromodichloromethane	7.102	83	60653	5.404	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	73019	5.393	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	222212	54.862	ug/L	99
42) Toluene	7.967	91	213705	5.568	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	58982	5.387	ug/L	95
45) 1,1,2-Trichloroethane	8.394	97	37593	5.586	ug/L	97
47) Tetrachloroethene	8.549	164	45475	5.818	ug/L	98
48) 2-Hexanone	8.681	43	161777	52.548	ug/L	98
49) Dibromochloromethane	8.806	129	38836	5.450	ug/L	94
50) 1,2-Dibromoethane	8.918	107	34484	5.539	ug/L #	96
51) Chlorobenzene	9.443	112	140136	5.378	ug/L	98
52) Ethylbenzene	9.565	91	226019	5.363	ug/L	100
53) m,p-Xylene	9.690	106	90410	5.598	ug/L	97
54) o-Xylene	10.095	106	83450	5.355	ug/L	95
55) Styrene	10.111	104	140998	5.531	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	44284	5.519	ug/L	94
59) Bromoform	10.285	173	19257	4.803	ug/L	95
60) Isopropylbenzene	10.481	105	225259	5.313	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	29983	5.515	ug/L	97
62) 1,3,5-Trimethylbenzene	11.082	105	179910	5.220	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	184656	5.295	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	109699	5.178	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	107757	5.033	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	100635	5.143	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	5927	5.290	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	76338	5.032	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	61322	4.440	ug/L	99
71) Naphthalene	14.082	128	97770	4.005	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	54717	4.440	ug/L	96

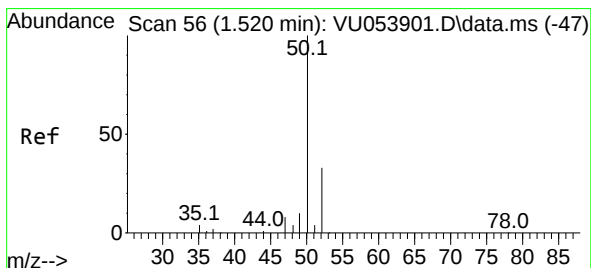
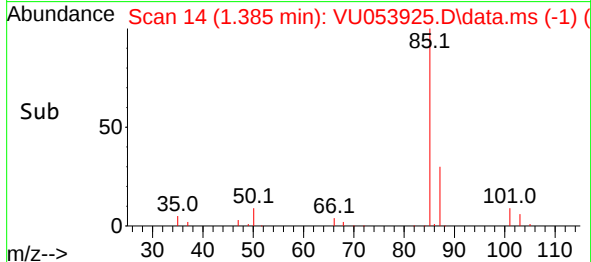
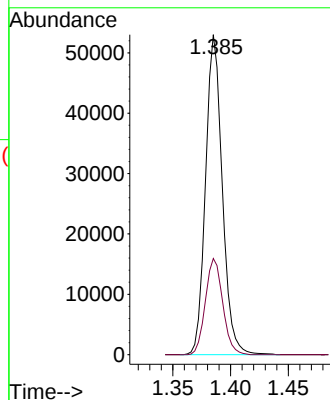
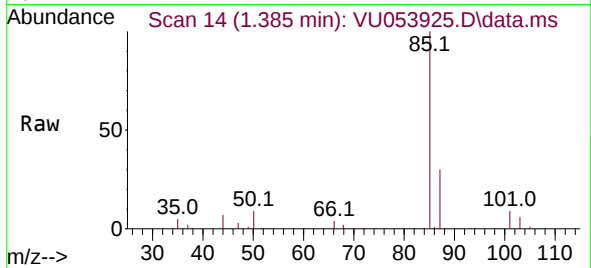
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#2
 Dichlorodifluoromethane
 Concen: 5.446 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

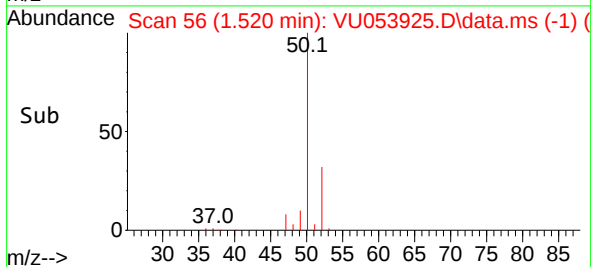
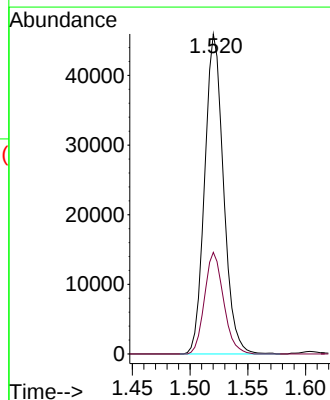
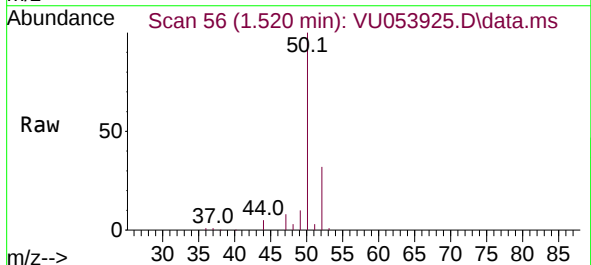
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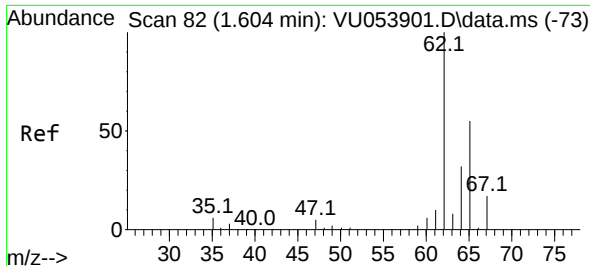
Tgt Ion: 85 Resp: 53513
 Ion Ratio Lower Upper
 85 100
 87 31.1 24.5 36.7



#3
 Chloromethane
 Concen: 5.462 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

Tgt Ion: 50 Resp: 52115
 Ion Ratio Lower Upper
 50 100
 52 31.7 23.4 43.6

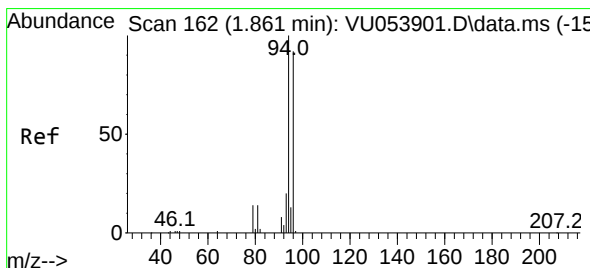
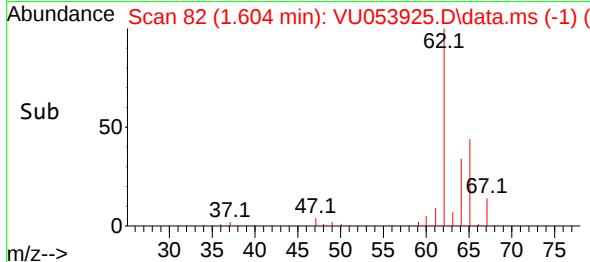
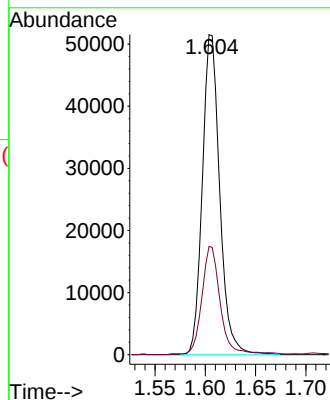
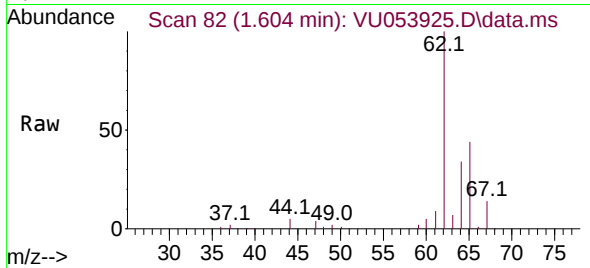




#5
 Vinyl chloride
 Concen: 5.610 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

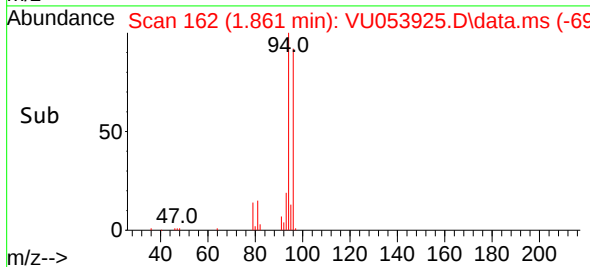
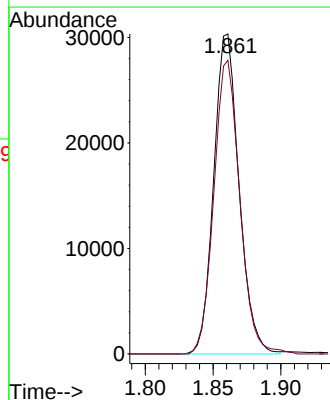
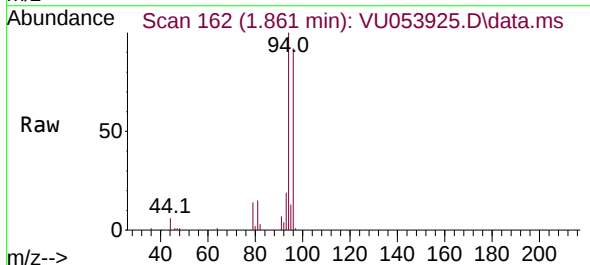
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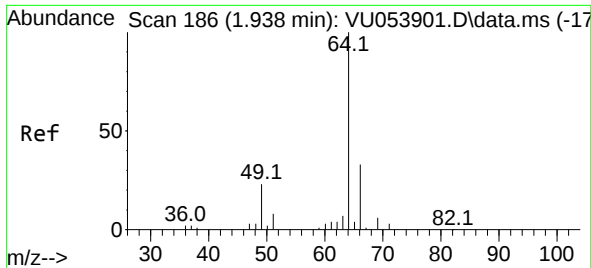
Tgt Ion: 62 Resp: 61763
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.4 41.6



#6
 Bromomethane
 Concen: 5.492 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

Tgt Ion: 94 Resp: 39350
 Ion Ratio Lower Upper
 94 100
 96 91.7 61.9 114.9

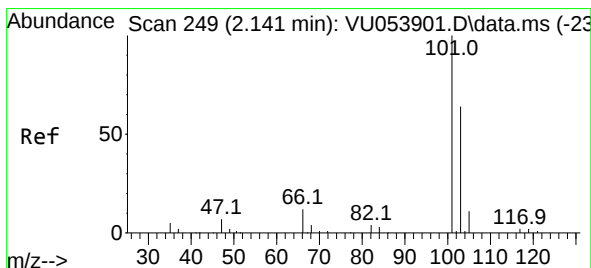
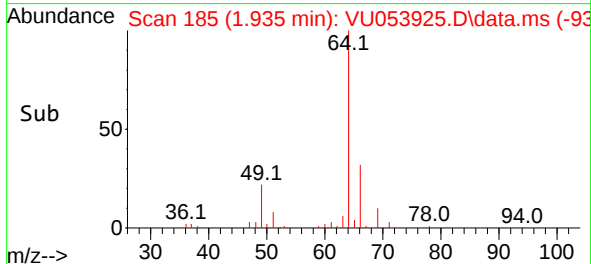
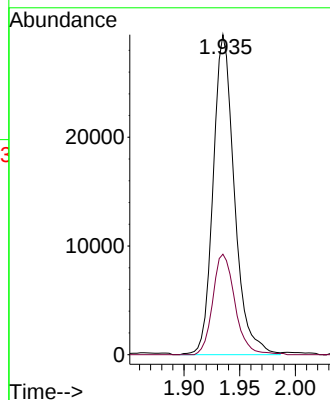
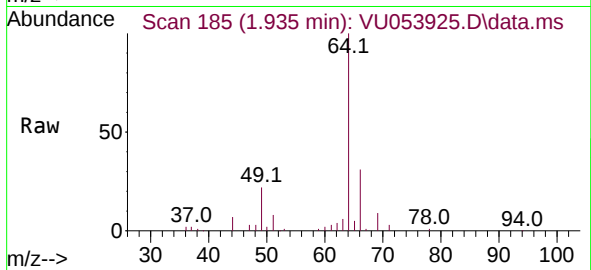




#8
Chloroethane
Concen: 5.694 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

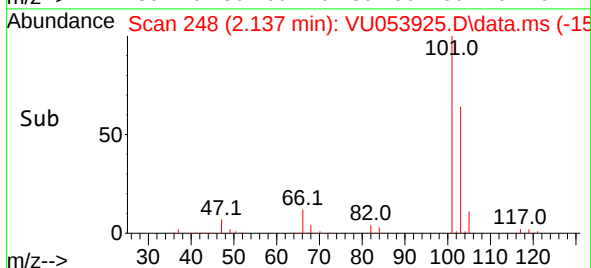
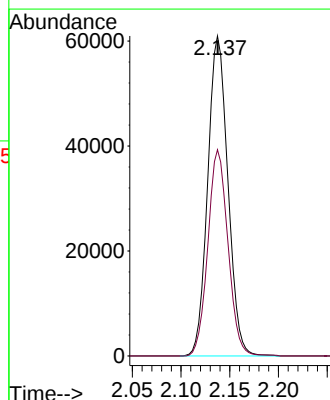
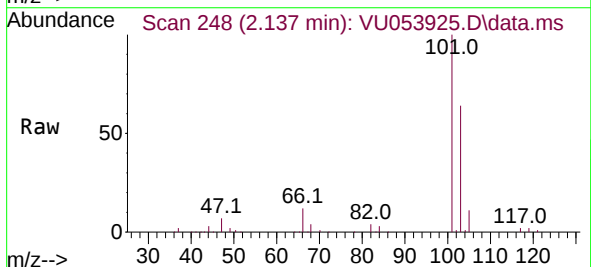
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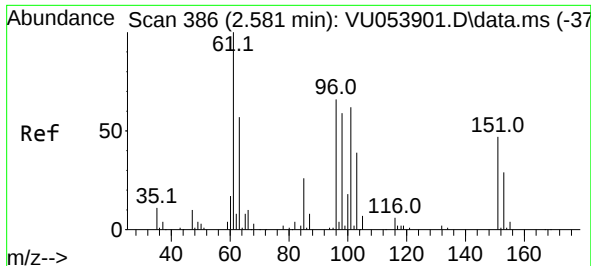
Tgt Ion: 64 Resp: 39125
Ion Ratio Lower Upper
64 100
66 31.4 23.8 44.2



#9
Trichlorofluoromethane
Concen: 5.398 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion:101 Resp: 87737
Ion Ratio Lower Upper
101 100
103 64.4 52.6 78.8

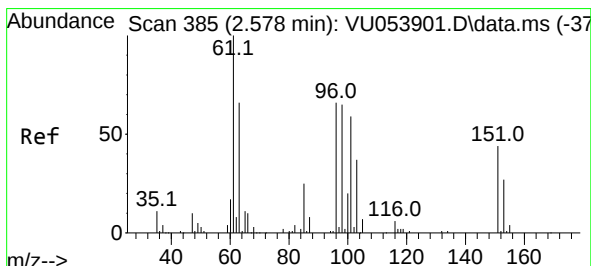
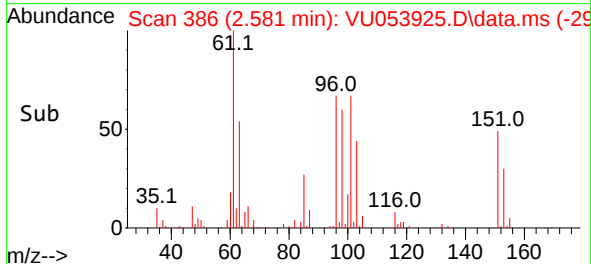
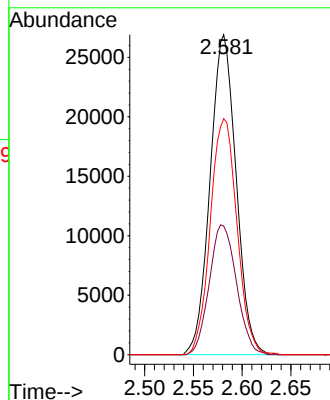
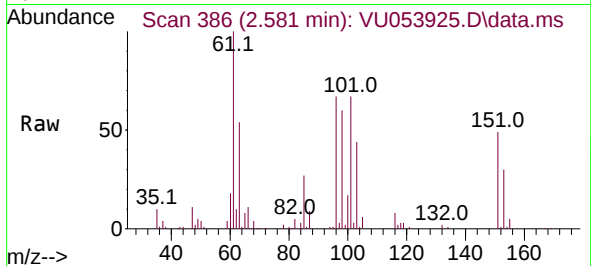




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.295 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

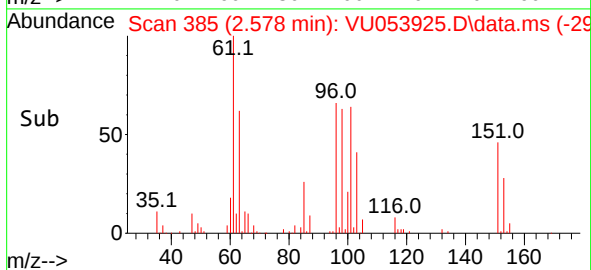
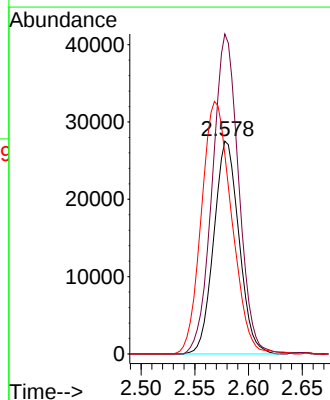
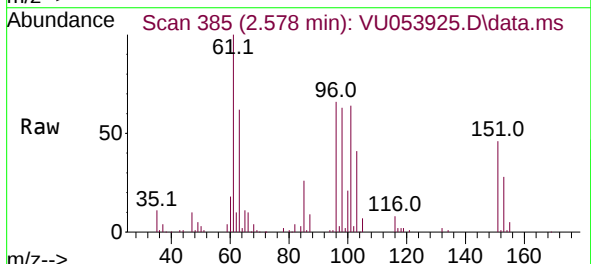
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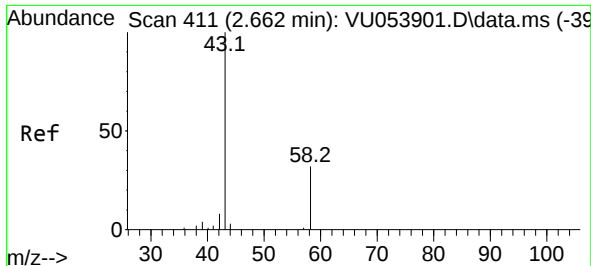
Tgt Ion: 101 Resp: 50016
 Ion Ratio Lower Upper
 101 100
 85 42.3 34.7 52.1
 151 75.5 59.1 88.7



#12
 1,1-Dichloroethene
 Concen: 5.392 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

Tgt Ion: 96 Resp: 44918
 Ion Ratio Lower Upper
 96 100
 61 150.4 111.5 207.1
 63 93.8 68.7 127.7





#13

Acetone

Concen: 48.582 ug/L

RT: 2.645 min Scan# 406

Delta R.T. -0.016 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

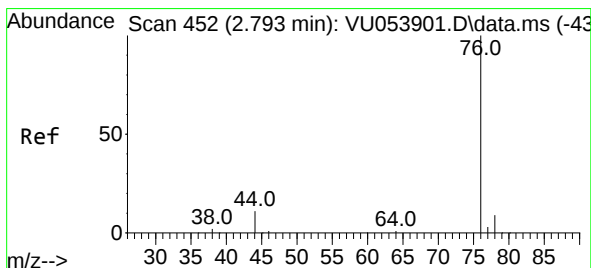
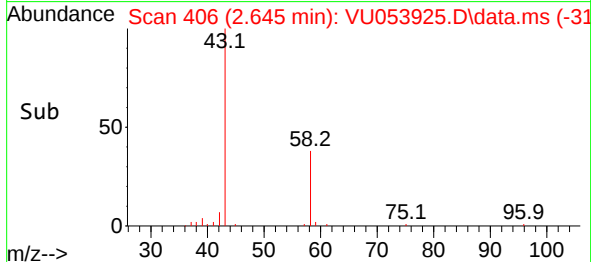
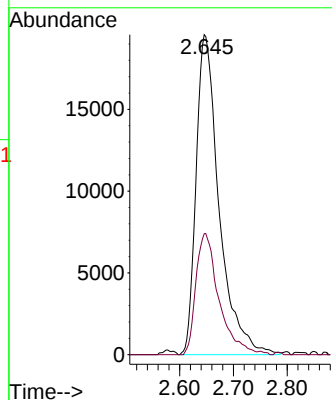
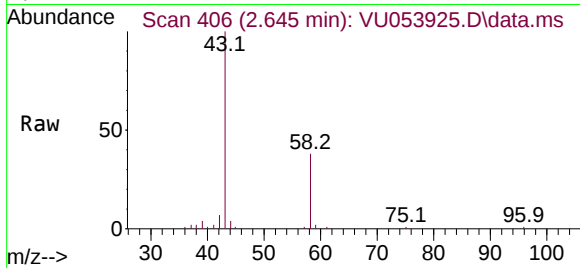
VSTD005163

Tgt Ion: 43 Resp: 58213

Ion Ratio Lower Upper

43 100

58 37.7 0.0 76.2



#14

Carbon disulfide

Concen: 4.991 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053925.D

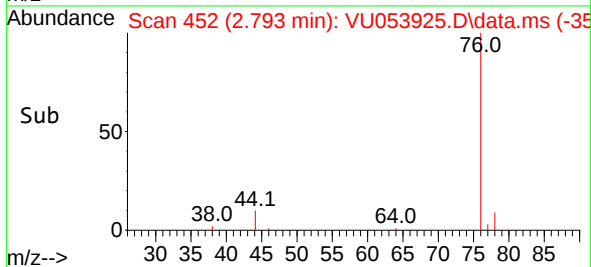
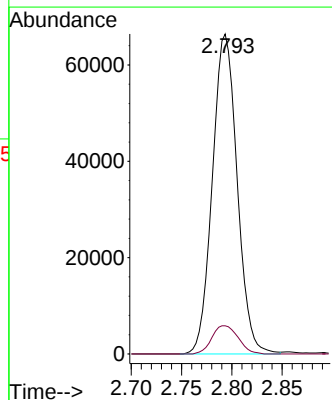
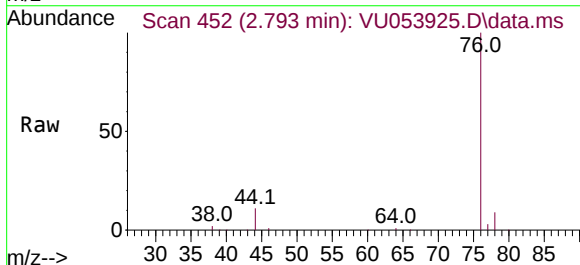
Acq: 26 Apr 2023 19:44

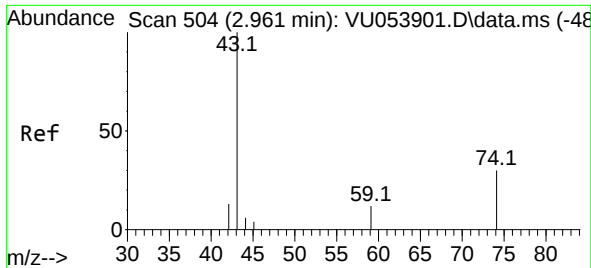
Tgt Ion: 76 Resp: 113942

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

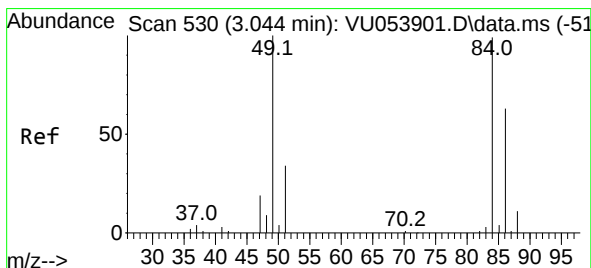
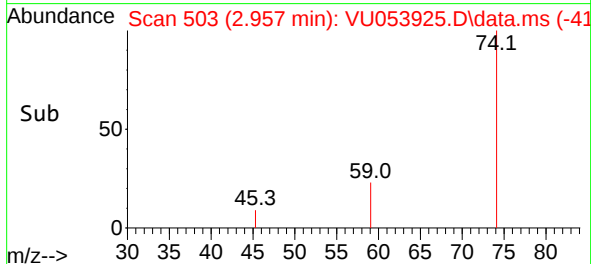
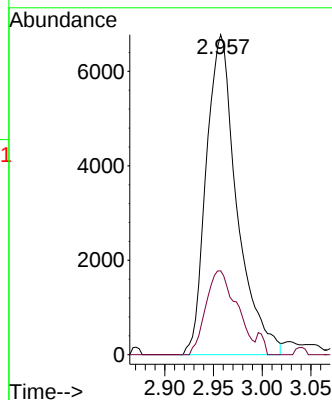
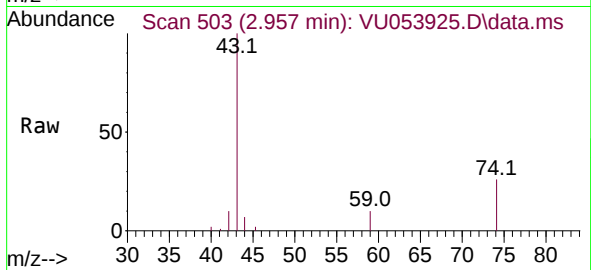




#15
Methyl Acetate
Concen: 5.743 ug/L
RT: 2.957 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

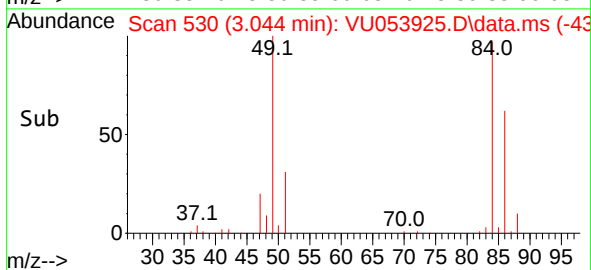
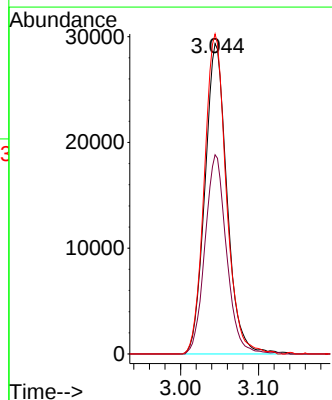
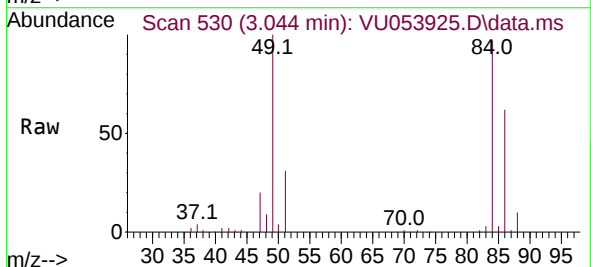
Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

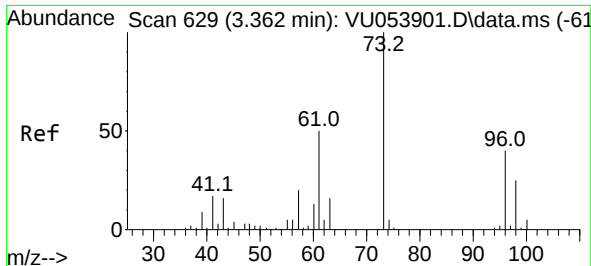
Tgt Ion: 43 Resp: 14853
Ion Ratio Lower Upper
43 100
74 26.4 22.0 33.0



#16
Methylene chloride
Concen: 5.061 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion: 84 Resp: 57547
Ion Ratio Lower Upper
84 100
86 64.2 45.0 83.6
49 103.1 74.8 138.8

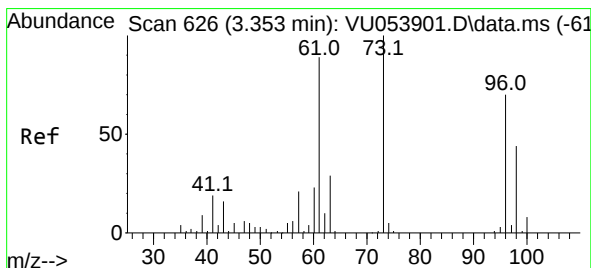
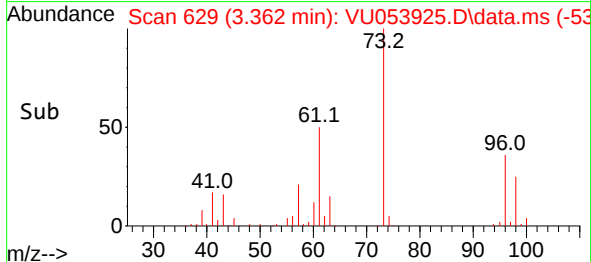
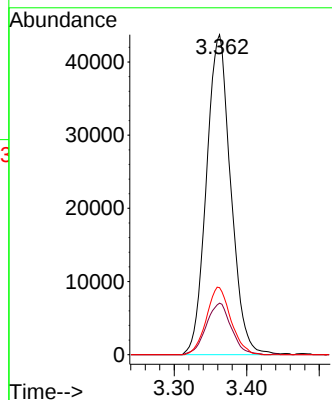
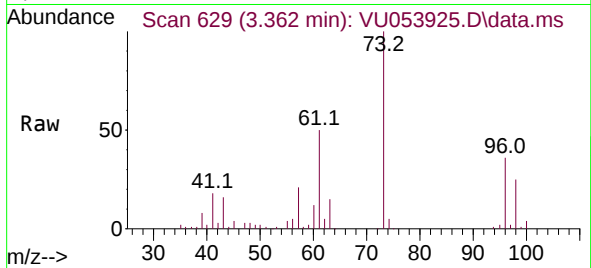




#17
Methyl tert-butyl Ether
Concen: 5.637 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

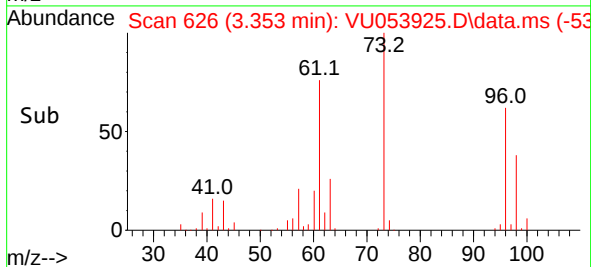
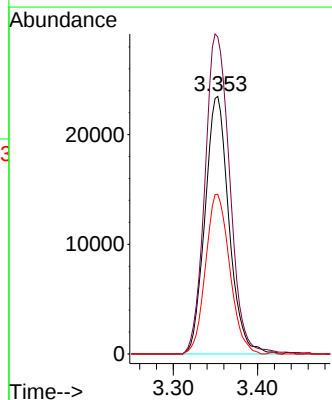
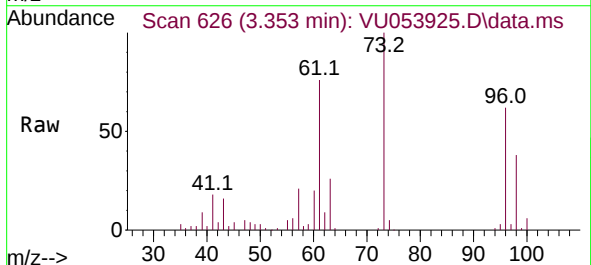
Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

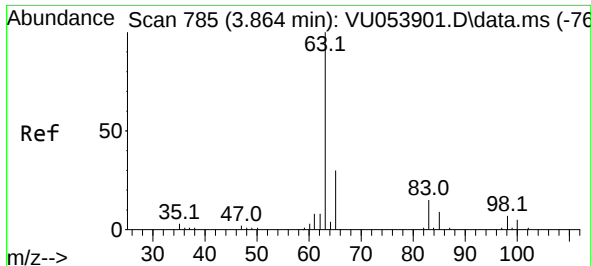
Tgt Ion: 73 Resp: 101733
Ion Ratio Lower Upper
73 100
43 16.6 13.4 20.2
57 21.2 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 5.523 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion: 96 Resp: 46494
Ion Ratio Lower Upper
96 100
61 123.0 86.2 160.0
98 62.0 42.8 79.4





#19

1,1-Dichloroethane

Concen: 5.741 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005163

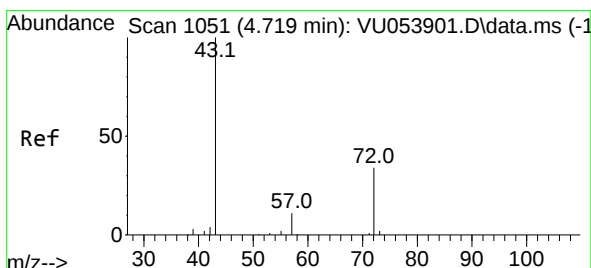
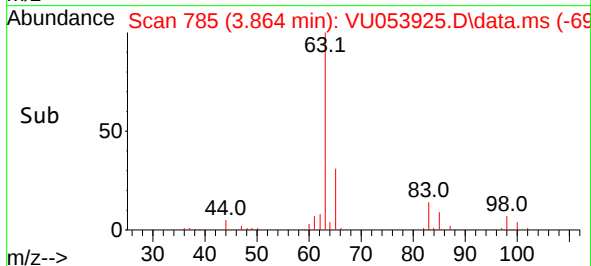
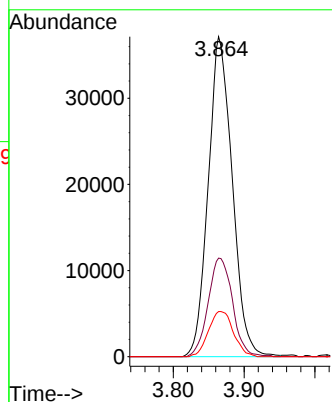
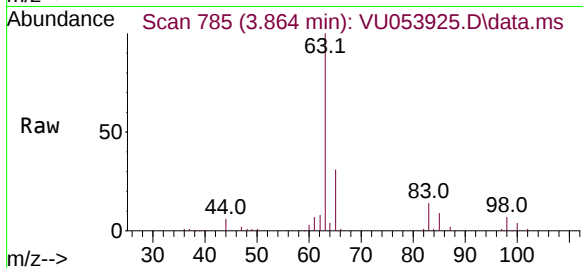
Tgt Ion: 63 Resp: 87466

Ion Ratio Lower Upper

63 100

65 30.8 22.0 40.8

83 14.1 10.3 19.1



#21

2-Butanone

Concen: 56.314 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. -0.010 min

Lab File: VU053925.D

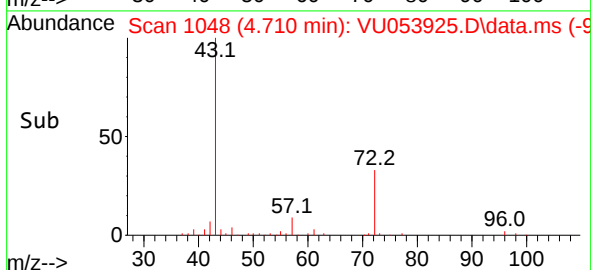
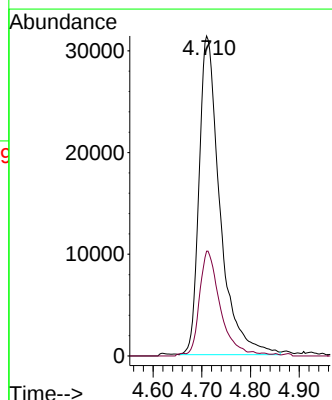
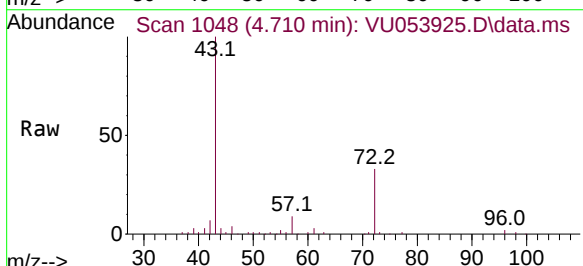
Acq: 26 Apr 2023 19:44

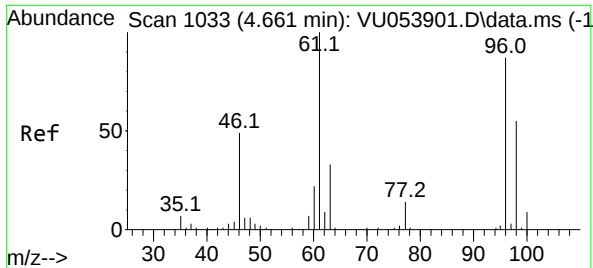
Tgt Ion: 43 Resp: 93407

Ion Ratio Lower Upper

43 100

72 30.9 15.7 47.0

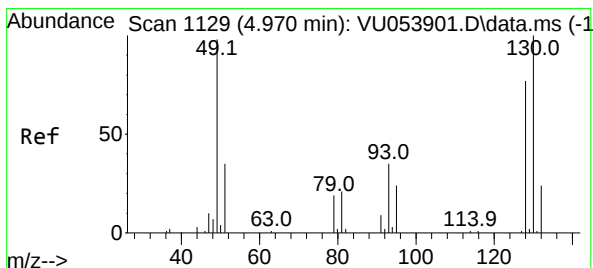
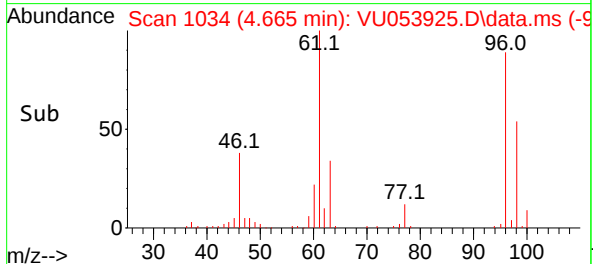
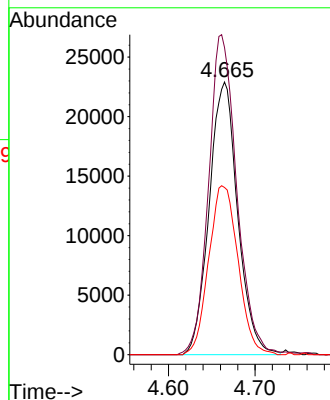
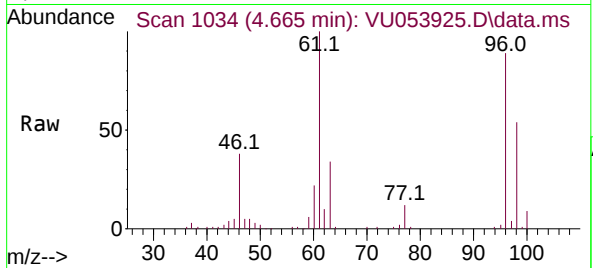




#22
 cis-1,2-Dichloroethene
 Concen: 5.526 ug/L
 RT: 4.665 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

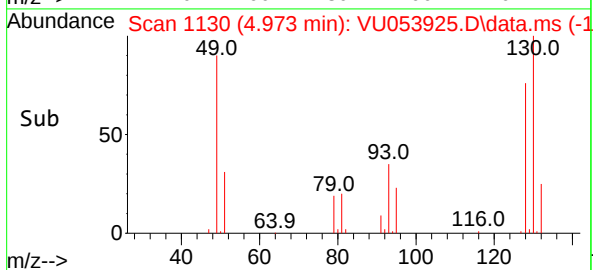
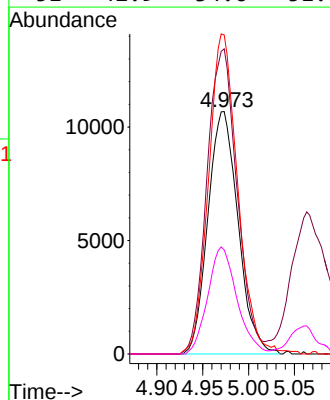
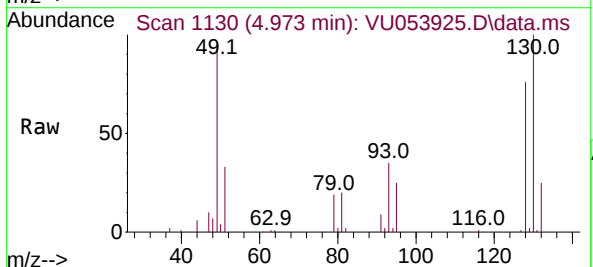
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005163

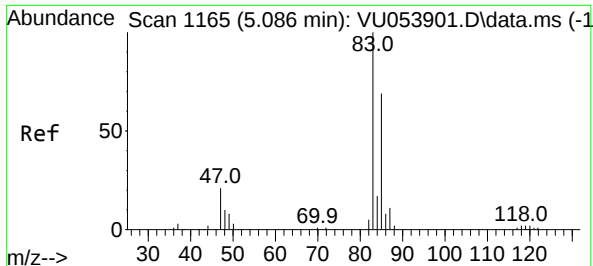
Tgt Ion: 96 Resp: 52480
 Ion Ratio Lower Upper
 96 100
 61 112.6 84.3 156.5
 98 61.3 46.4 86.2



#23
 Bromochloromethane
 Concen: 5.776 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

Tgt Ion: 128 Resp: 24409
 Ion Ratio Lower Upper
 128 100
 49 125.8 91.3 169.5
 130 131.6 87.6 162.8
 51 42.9 34.6 51.8





#25

Chloroform

Concen: 5.733 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

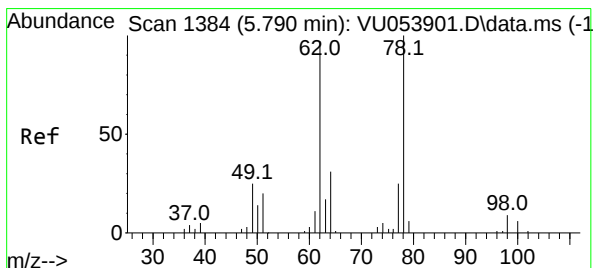
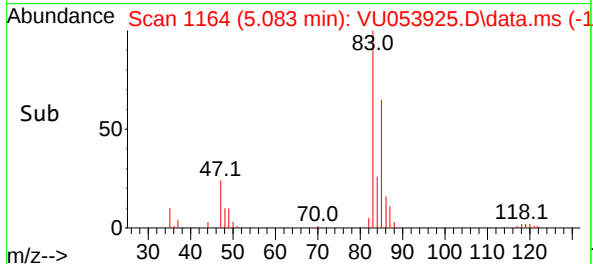
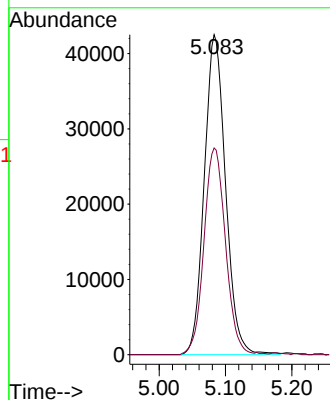
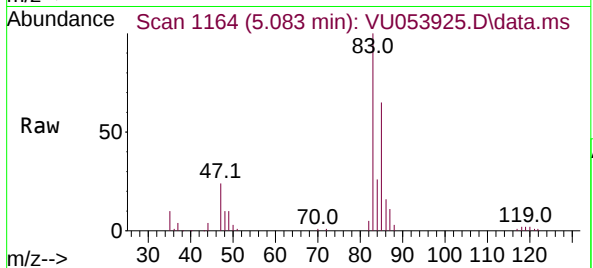
VSTD005163

Tgt Ion: 83 Resp: 94863

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.626 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053925.D

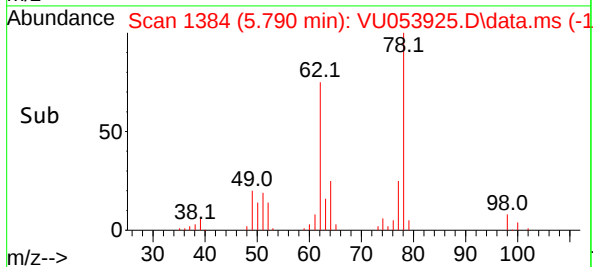
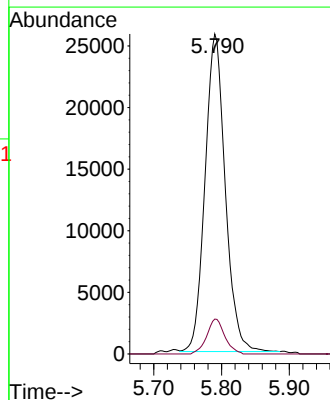
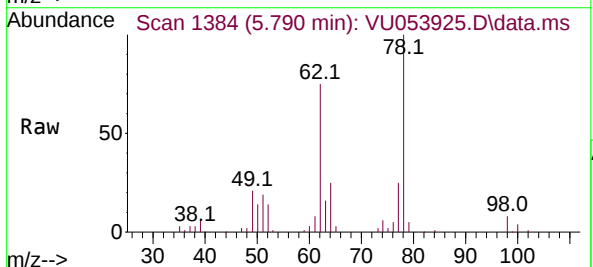
Acq: 26 Apr 2023 19:44

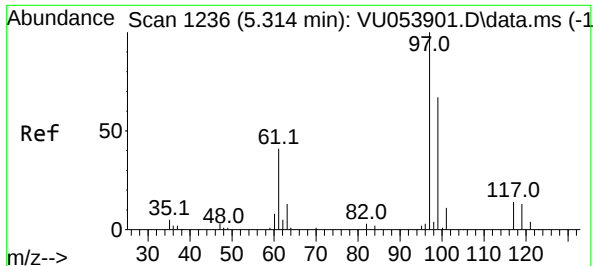
Tgt Ion: 62 Resp: 53363

Ion Ratio Lower Upper

62 100

98 10.9 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 5.515 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005163

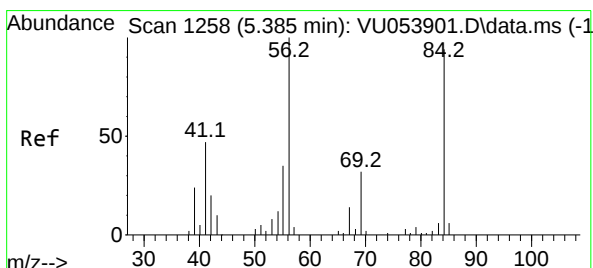
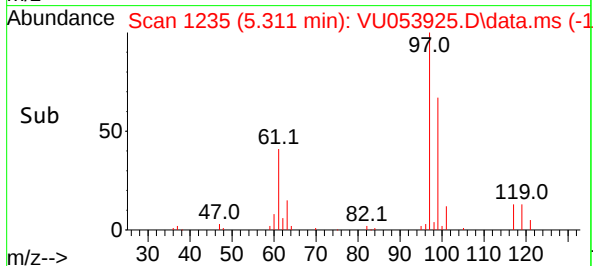
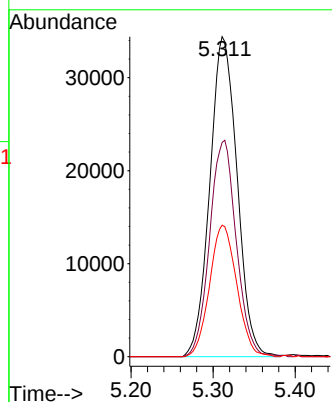
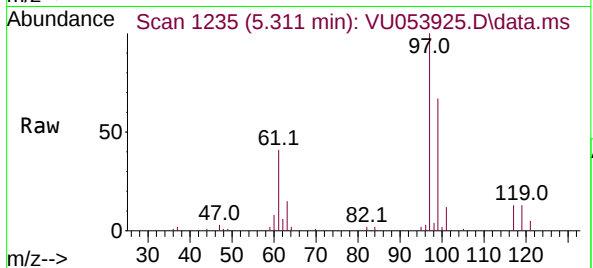
Tgt Ion: 97 Resp: 79604

Ion Ratio Lower Upper

97 100

99 66.1 52.9 79.3

61 40.9 33.8 50.8



#30

Cyclohexane

Concen: 5.248 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

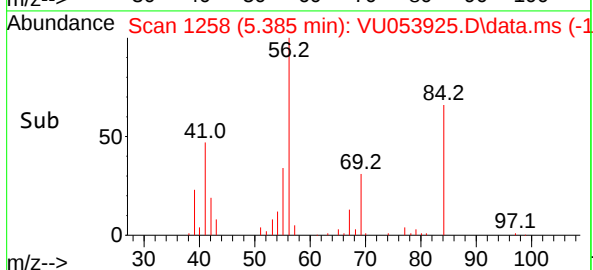
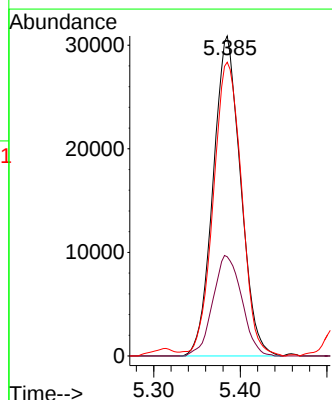
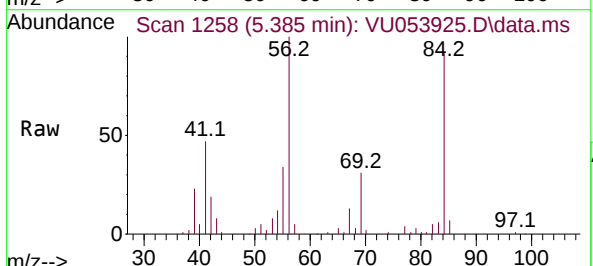
Tgt Ion: 56 Resp: 68052

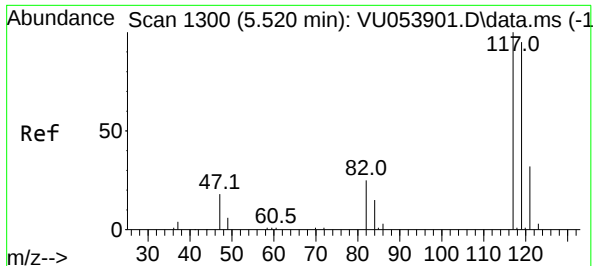
Ion Ratio Lower Upper

56 100

69 33.0 27.0 40.4

84 94.7 78.0 117.0

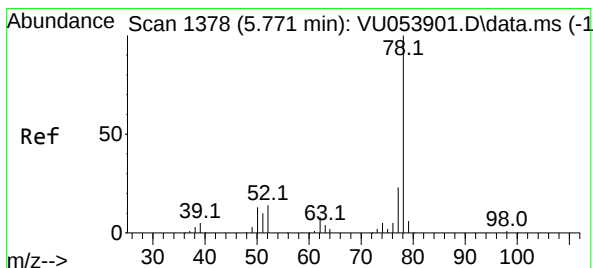
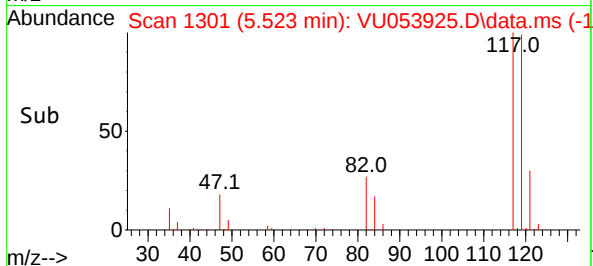
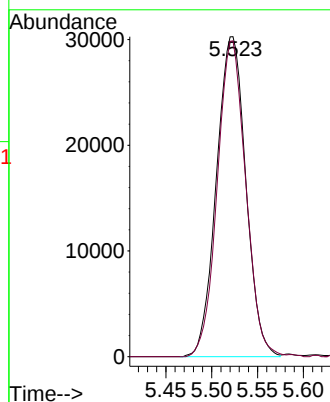
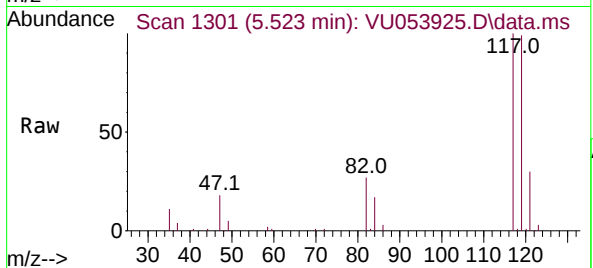




#31
Carbon tetrachloride
Concen: 5.376 ug/L
RT: 5.523 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

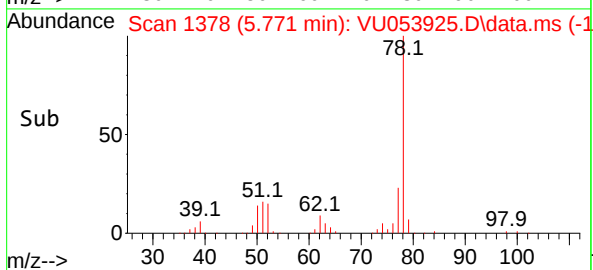
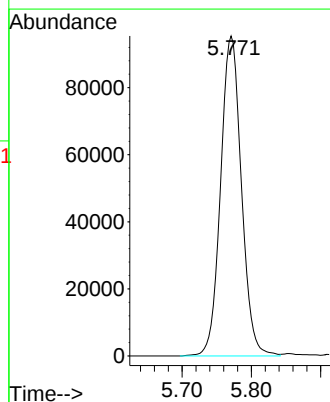
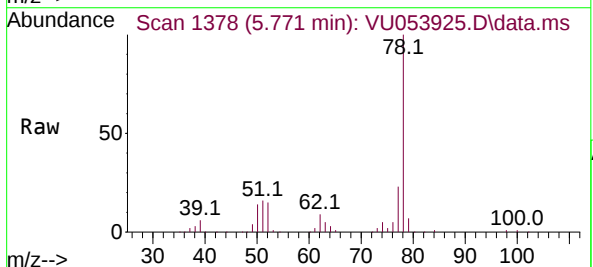
Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

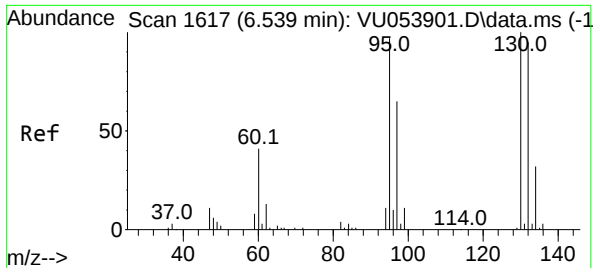
Tgt Ion:117 Resp: 67455
Ion Ratio Lower Upper
117 100
119 95.5 75.0 112.6



#33
Benzene
Concen: 5.509 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion: 78 Resp: 199374

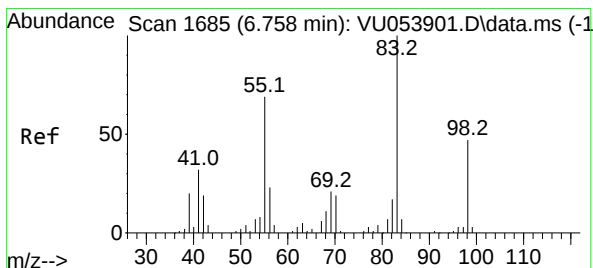
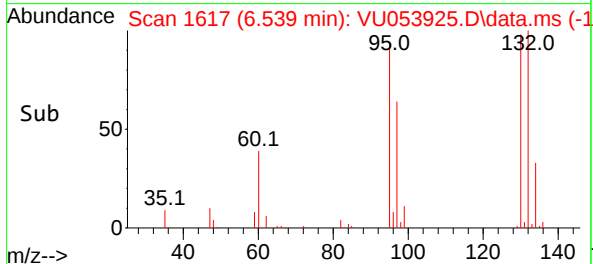
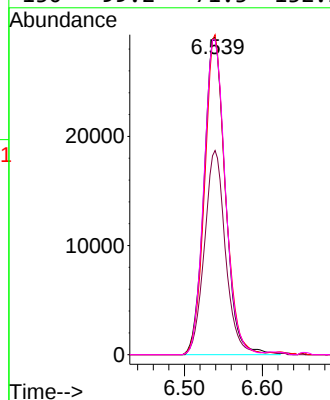
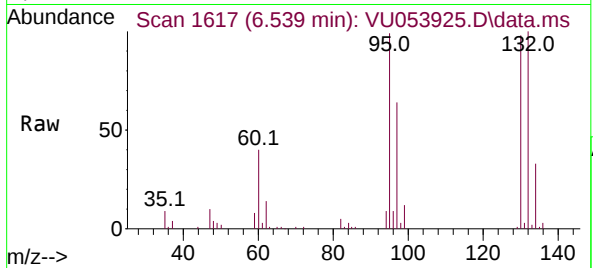




#34
Trichloroethene
Concen: 5.587 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

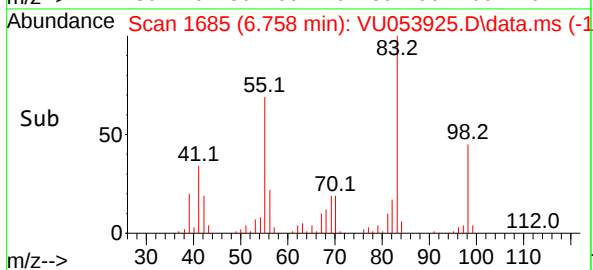
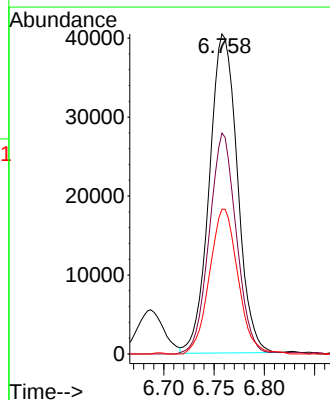
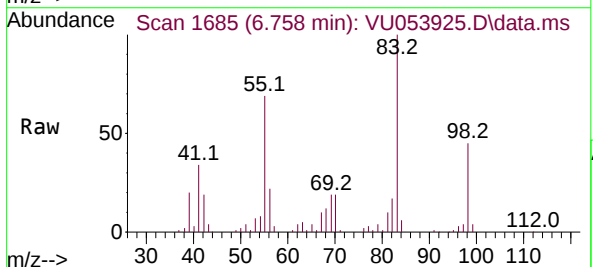
Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

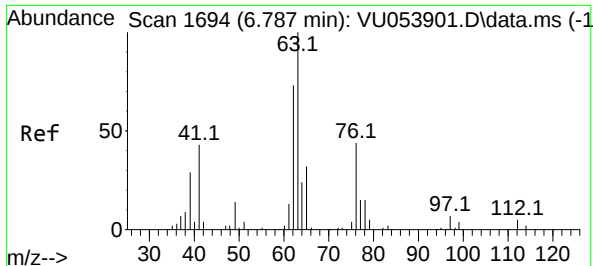
Tgt Ion: 95 Resp: 55100
Ion Ratio Lower Upper
95 100
97 64.4 45.1 83.9
132 100.9 69.9 129.9
130 99.2 71.3 132.3



#35
Methylcyclohexane
Concen: 5.164 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion: 83 Resp: 78669
Ion Ratio Lower Upper
83 100
55 67.1 55.4 83.2
98 46.1 37.3 55.9

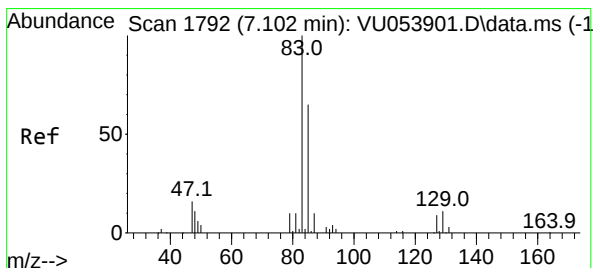
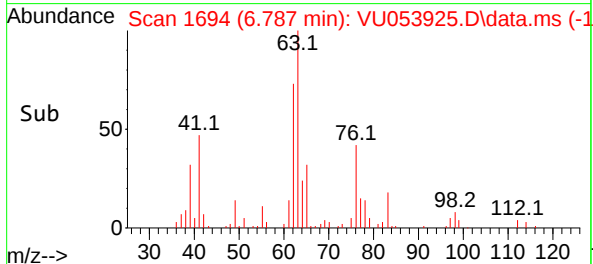
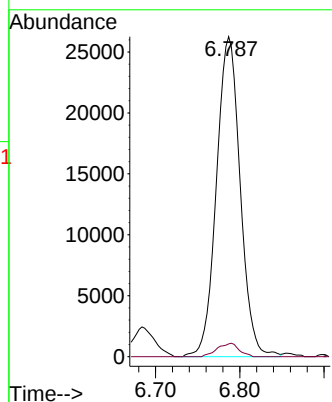
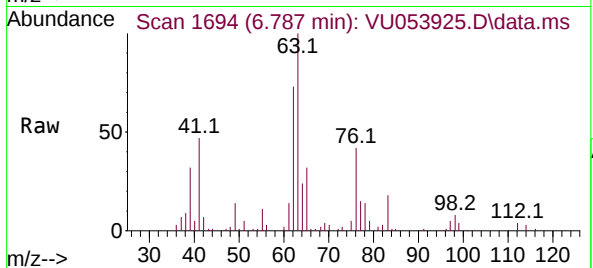




#37
1,2-Dichloropropane
Concen: 5.718 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

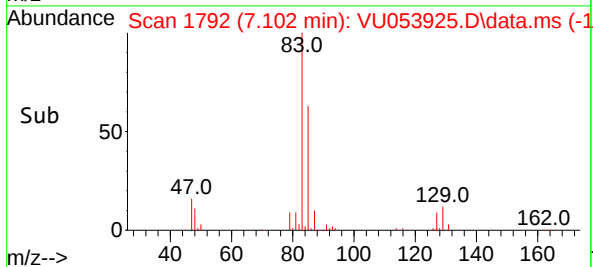
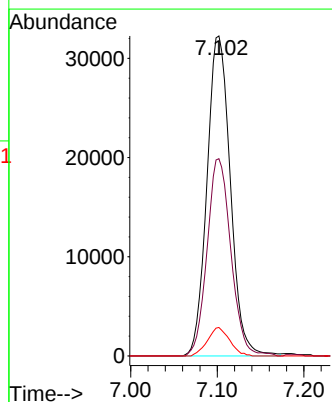
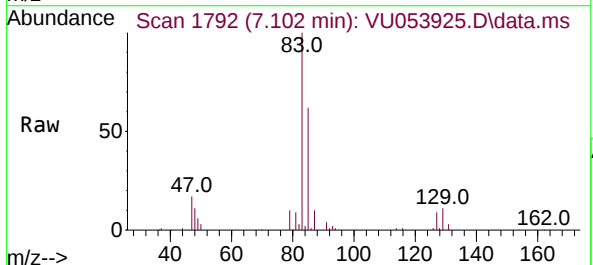
Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

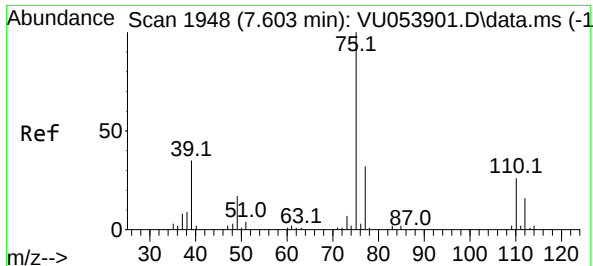
Tgt Ion: 63 Resp: 51340
Ion Ratio Lower Upper
63 100
112 3.9 3.5 5.3



#38
Bromodichloromethane
Concen: 5.404 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion: 83 Resp: 60653
Ion Ratio Lower Upper
83 100
85 61.7 45.2 84.0
127 8.9 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.393 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

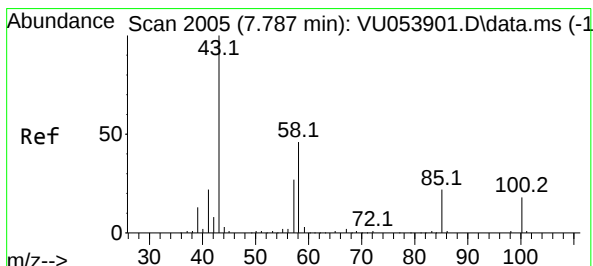
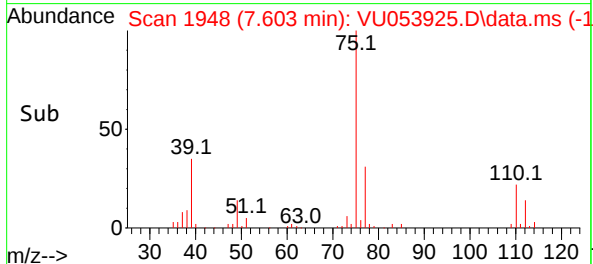
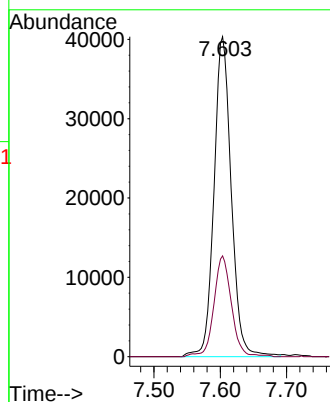
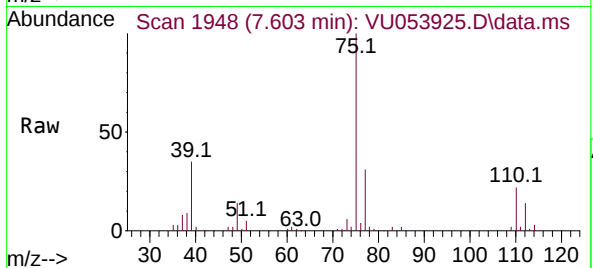
VSTD005163

Tgt Ion: 75 Resp: 73019

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 54.862 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

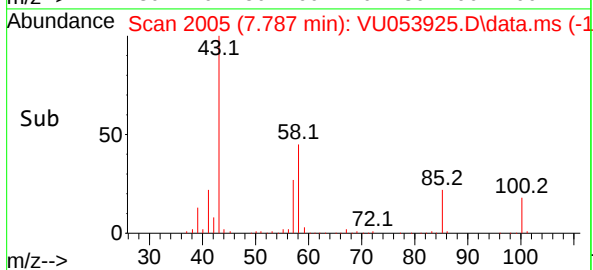
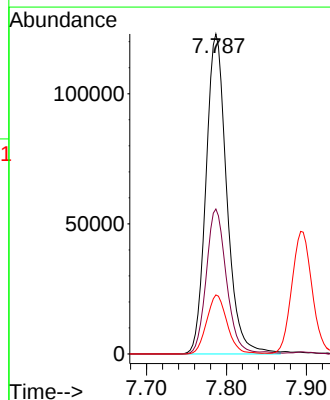
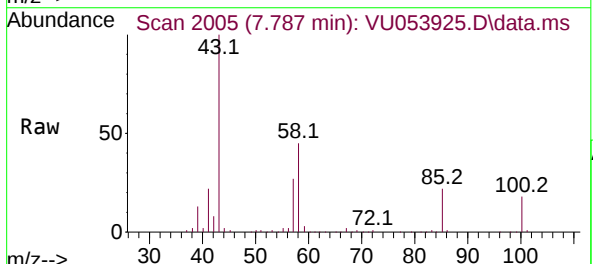
Tgt Ion: 43 Resp: 222212

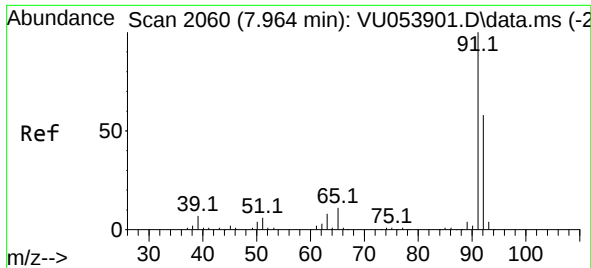
Ion Ratio Lower Upper

43 100

58 44.0 36.0 54.0

100 18.2 15.1 22.7





#42

Toluene

Concen: 5.568 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

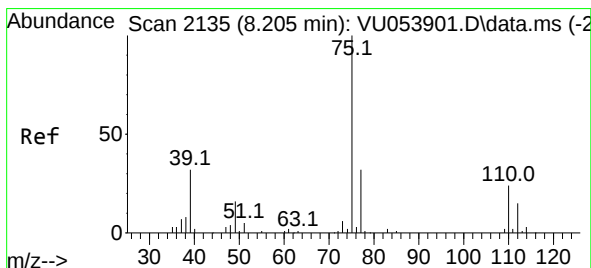
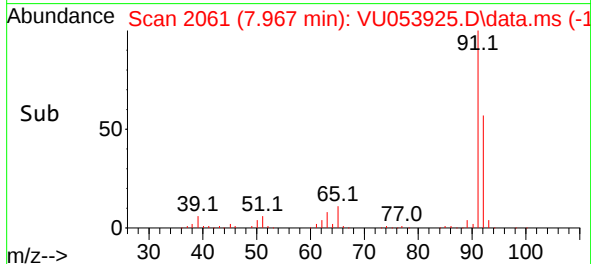
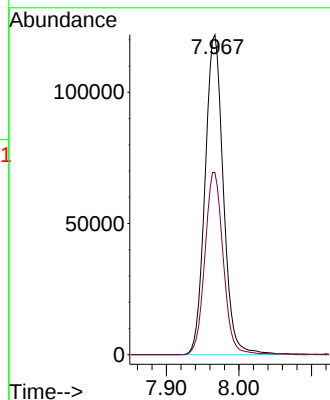
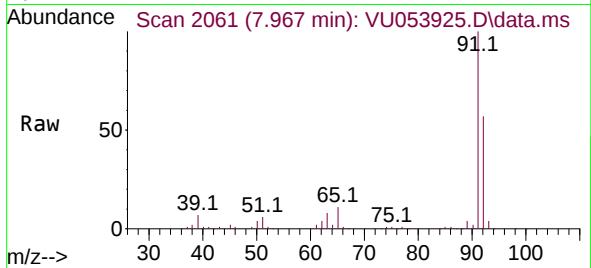
VSTD005163

Tgt Ion: 91 Resp: 213705

Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 5.387 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053925.D

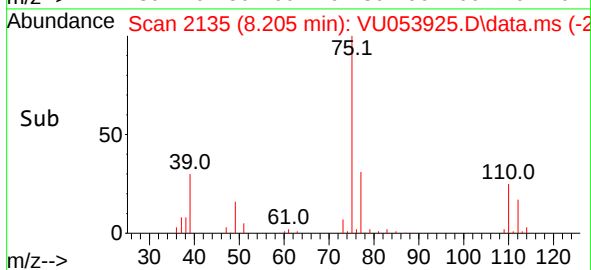
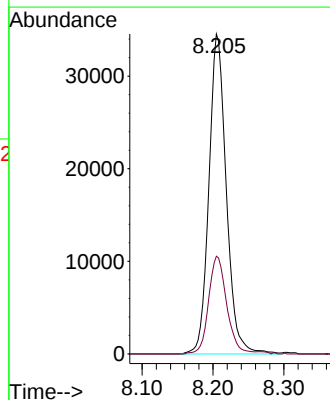
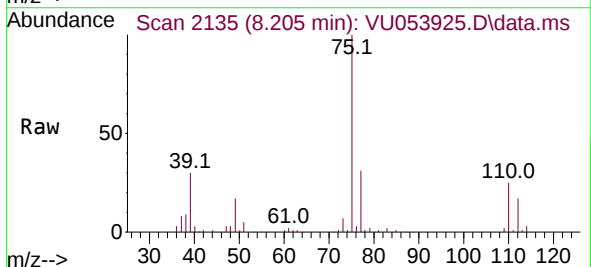
Acq: 26 Apr 2023 19:44

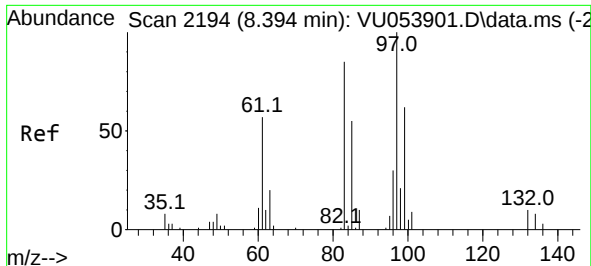
Tgt Ion: 75 Resp: 58982

Ion Ratio Lower Upper

75 100

77 30.5 23.3 43.3





#45

1,1,2-Trichloroethane

Concen: 5.586 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005163

Tgt Ion: 97 Resp: 37593

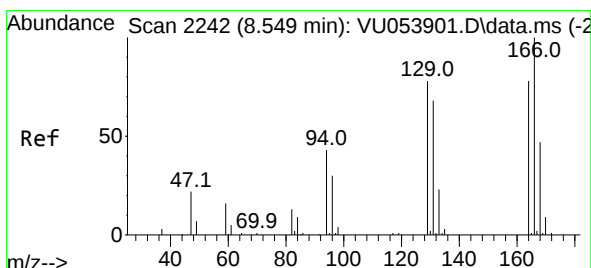
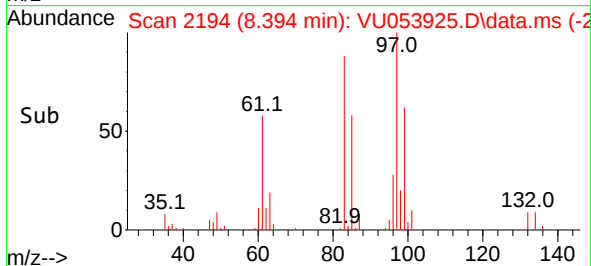
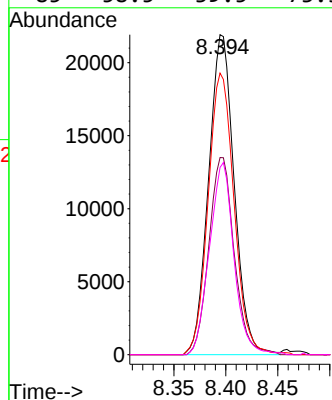
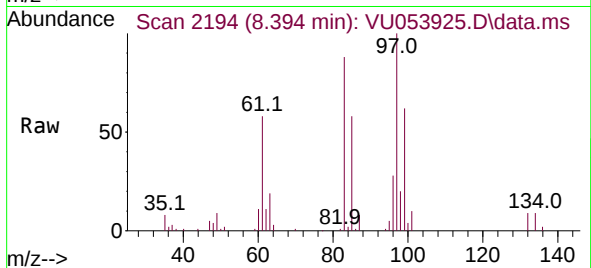
Ion Ratio Lower Upper

97 100

99 61.6 44.7 83.1

83 88.0 59.8 111.1

85 58.5 39.5 73.3



#47

Tetrachloroethene

Concen: 5.818 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Tgt Ion: 164 Resp: 45475

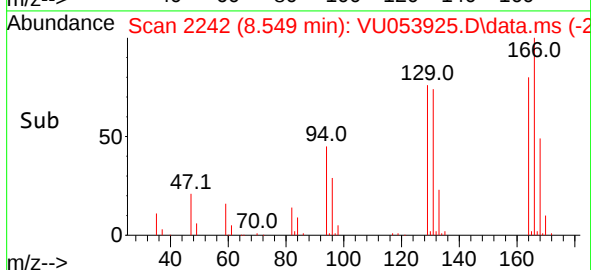
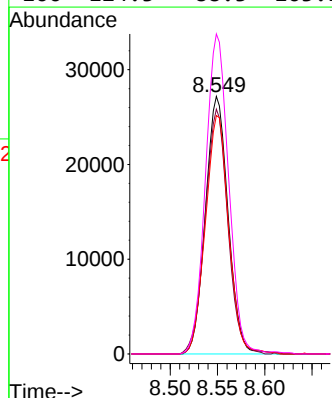
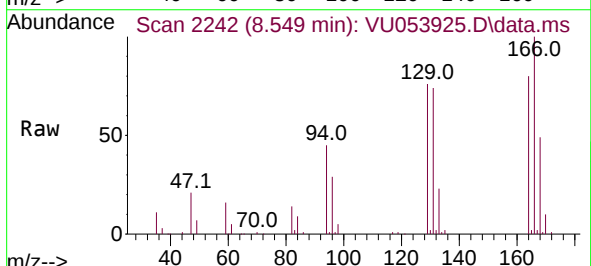
Ion Ratio Lower Upper

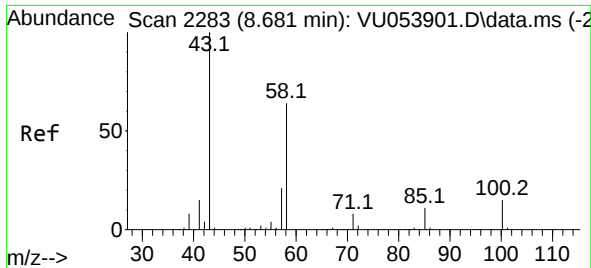
164 100

129 95.1 68.3 126.8

131 92.6 64.4 119.6

166 124.3 88.3 163.9



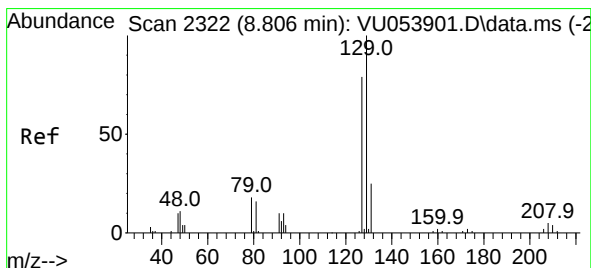
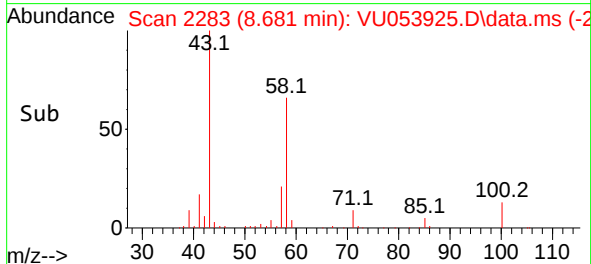
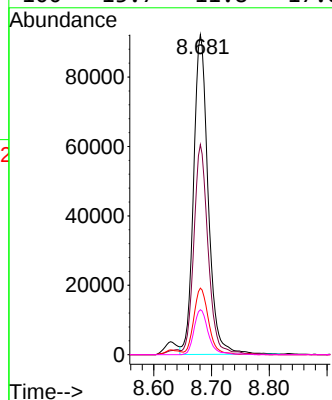
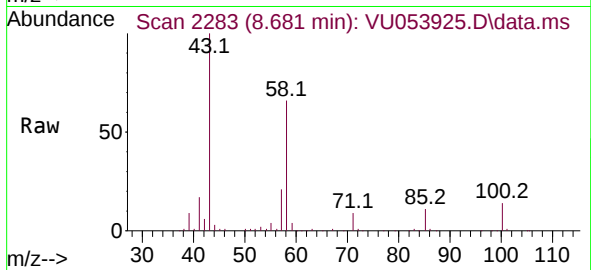


#48
2-Hexanone
Concen: 52.548 ug/L
RT: 8.681 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

Tgt Ion: 43 Resp: 161777

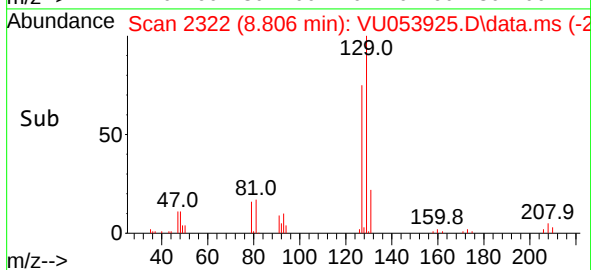
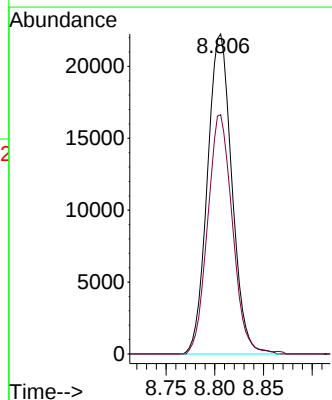
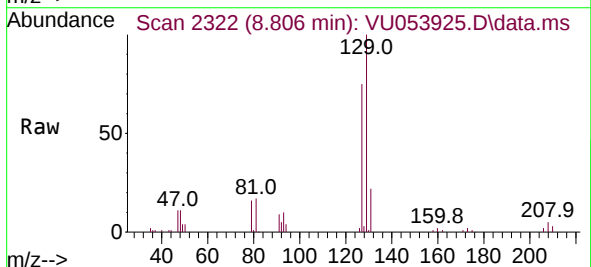
Ion	Ratio	Lower	Upper
43	100		
58	63.4	49.8	74.6
57	20.7	16.9	25.3
100	13.7	11.8	17.8

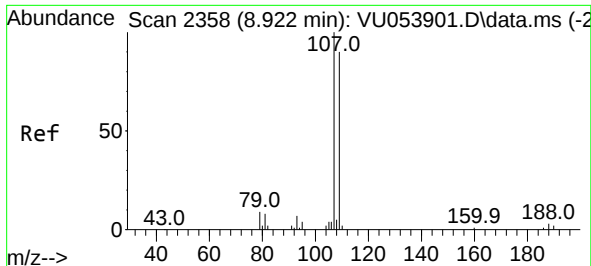


#49
Dibromochloromethane
Concen: 5.450 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion: 129 Resp: 38836

Ion	Ratio	Lower	Upper
129	100		
127	74.7	55.7	103.5





#50

1,2-Dibromoethane

Concen: 5.539 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

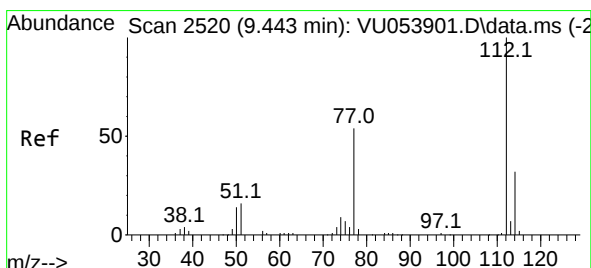
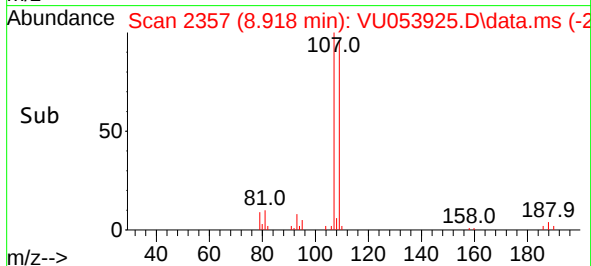
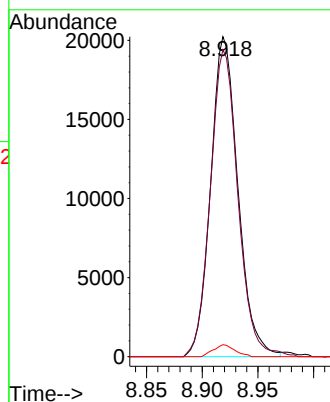
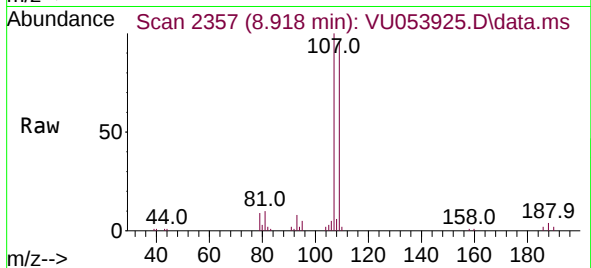
Instrument :

MSVOA_U

ClientSampleId :

VSTD005163

Tgt Ion:107	Resp:	34484
Ion Ratio	Lower	Upper
107	100	
109	95.9	64.3 119.5
188	3.8	2.1 3.1#



#51

Chlorobenzene

Concen: 5.378 ug/L

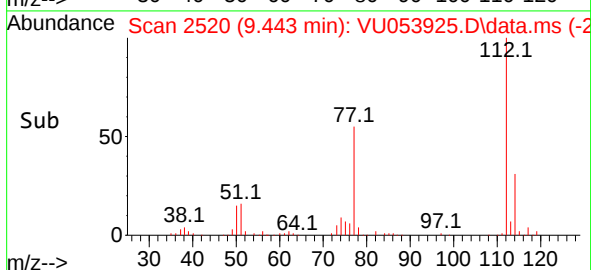
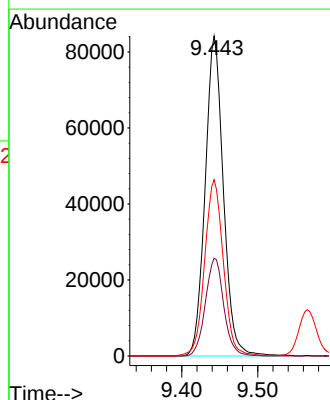
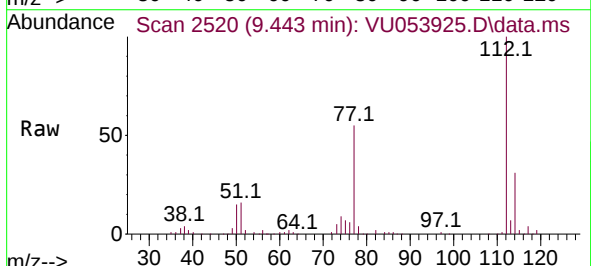
RT: 9.443 min Scan# 2520

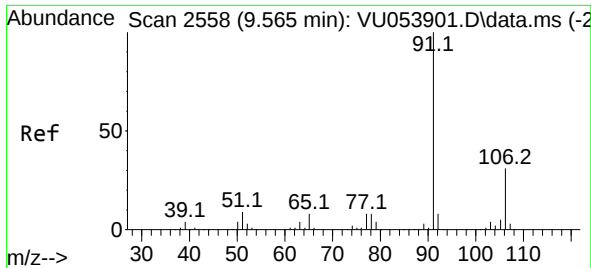
Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Tgt Ion:112	Resp:	140136
Ion Ratio	Lower	Upper
112	100	
114	30.5	23.0 42.6
77	55.1	44.4 66.6

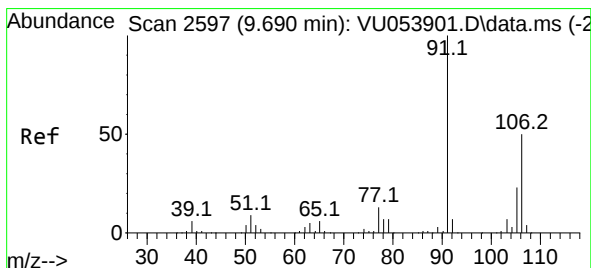
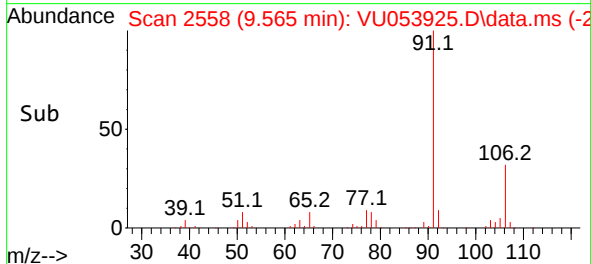
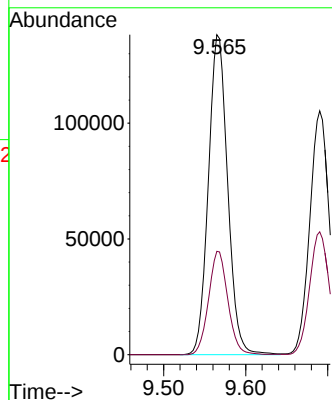
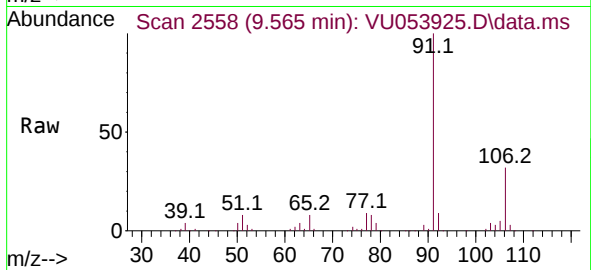




#52
Ethylbenzene
Concen: 5.363 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

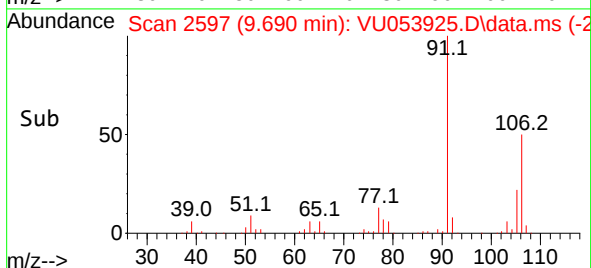
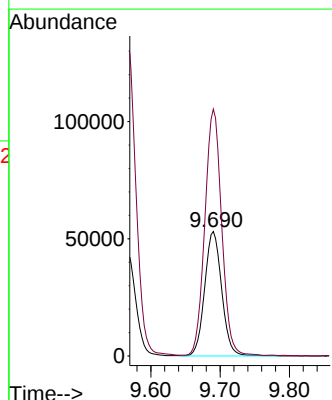
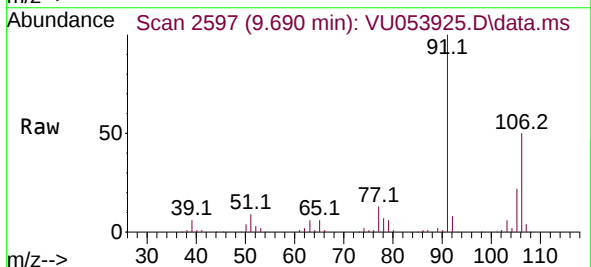
Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

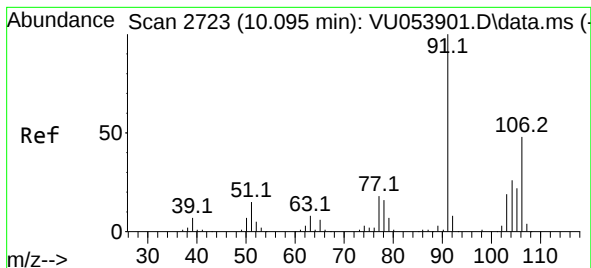
Tgt Ion: 91 Resp: 226019
Ion Ratio Lower Upper
91 100
106 32.3 22.8 42.4



#53
m,p-Xylene
Concen: 5.598 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion: 106 Resp: 90410
Ion Ratio Lower Upper
106 100
91 198.4 142.2 264.0





#54

o-Xylene

Concen: 5.355 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

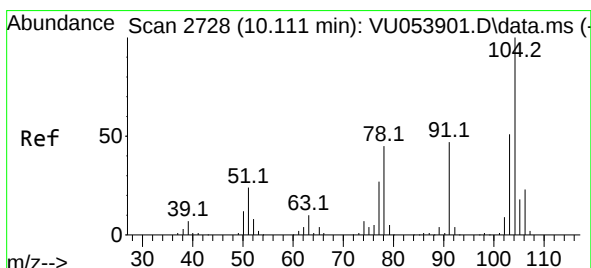
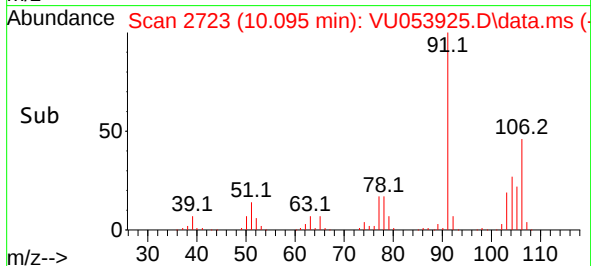
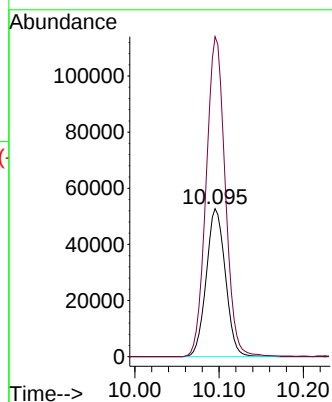
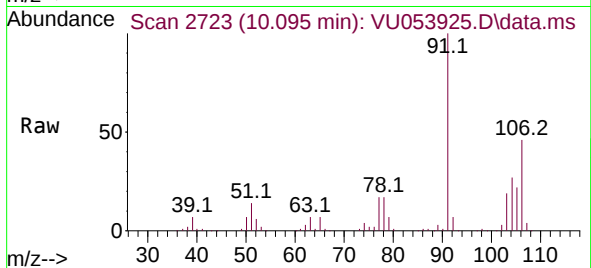
VSTD005163

Tgt Ion:106 Resp: 83450

Ion Ratio Lower Upper

106 100

91 216.1 145.5 270.1



#55

Styrene

Concen: 5.531 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU053925.D

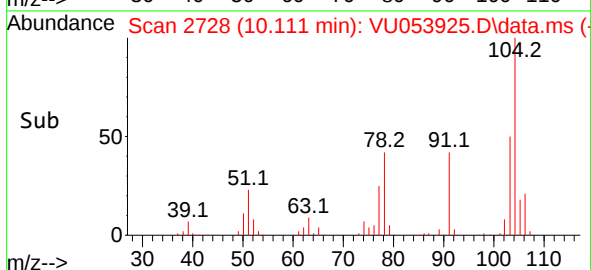
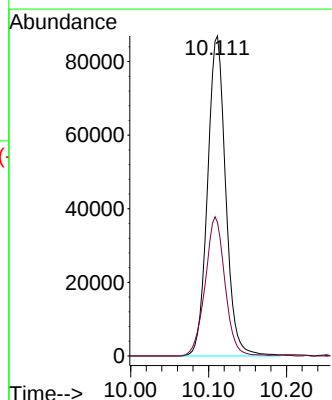
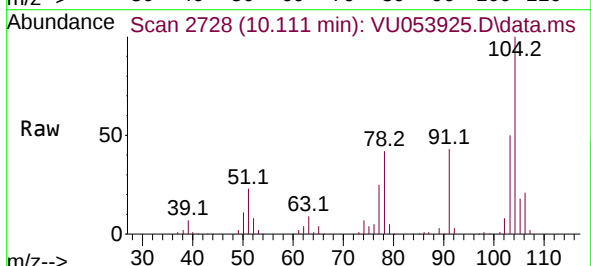
Acq: 26 Apr 2023 19:44

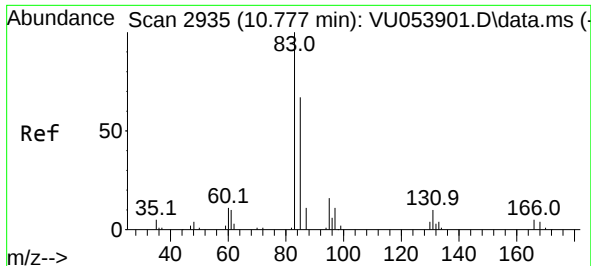
Tgt Ion:104 Resp: 140998

Ion Ratio Lower Upper

104 100

78 41.7 30.9 57.5

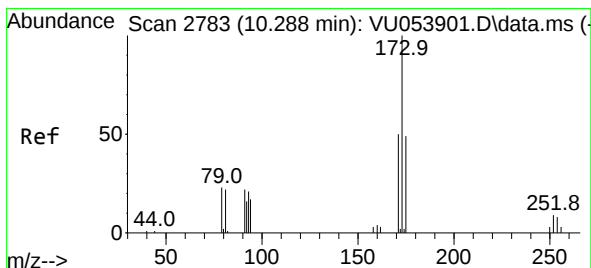
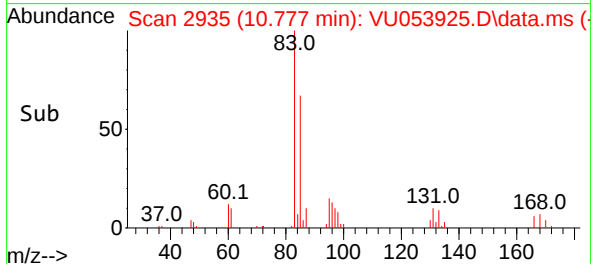
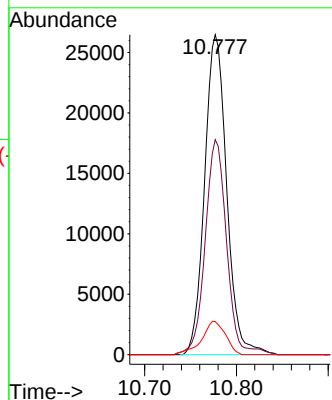
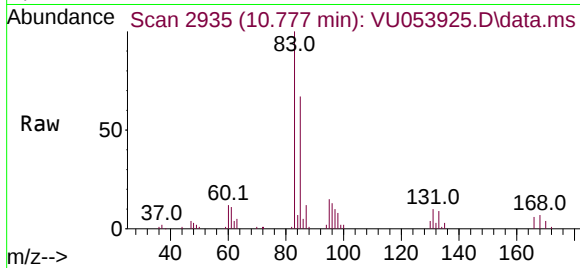




#57
1,1,2,2-Tetrachloroethane
Concen: 5.519 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

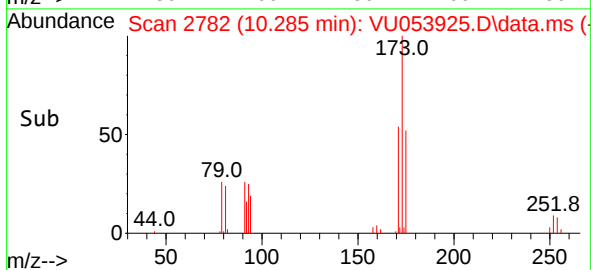
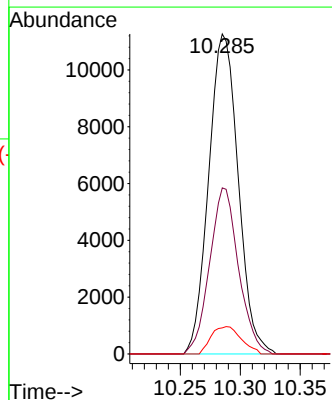
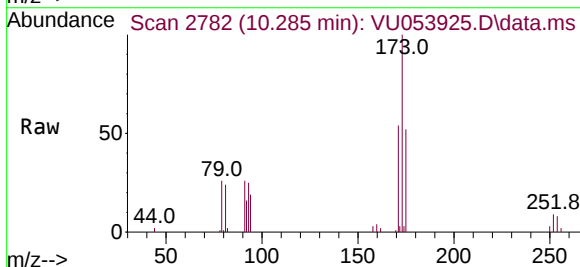
Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

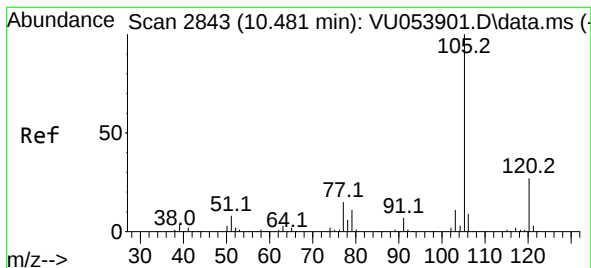
Tgt Ion: 83 Resp: 44284
Ion Ratio Lower Upper
83 100
85 67.2 43.5 80.9
131 10.3 7.8 11.6



#59
Bromoform
Concen: 4.803 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion: 173 Resp: 19257
Ion Ratio Lower Upper
173 100
175 50.8 37.4 56.2
254 8.7 7.1 10.7





#60

Isopropylbenzene

Concen: 5.313 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005163

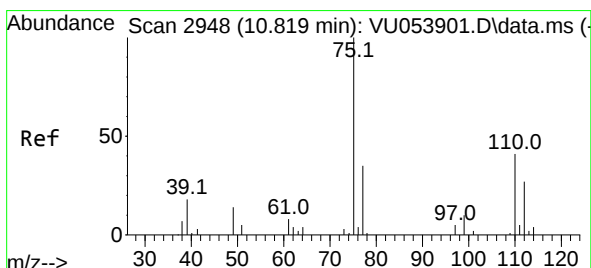
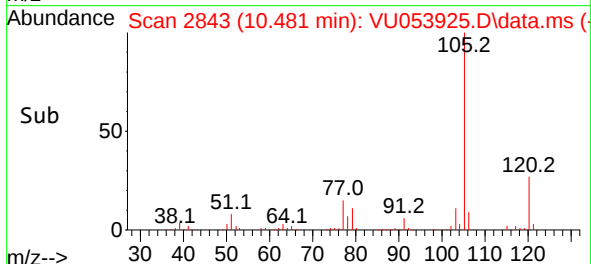
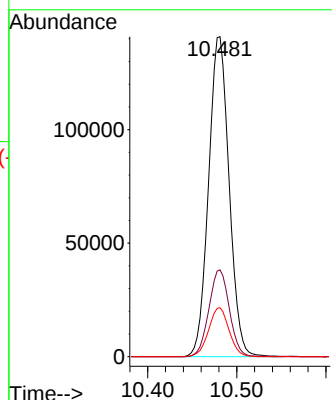
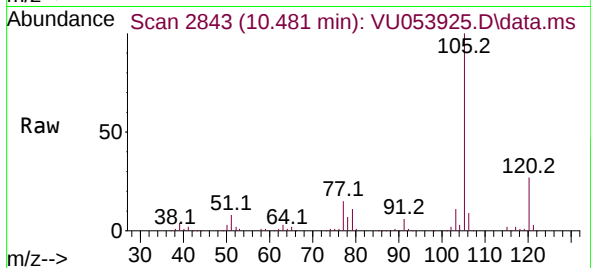
Tgt Ion:105 Resp: 225259

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

77 15.2 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 5.515 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

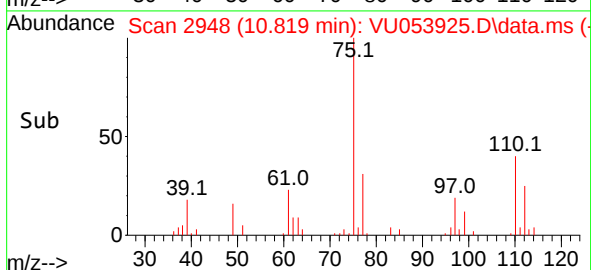
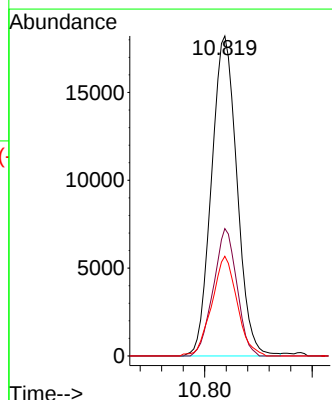
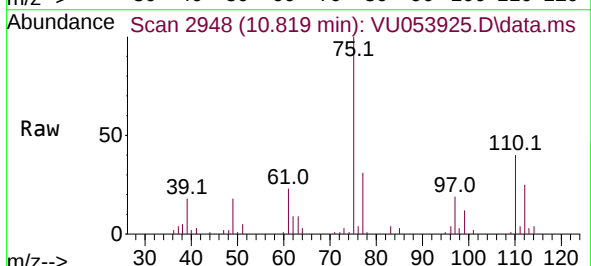
Tgt Ion: 75 Resp: 29983

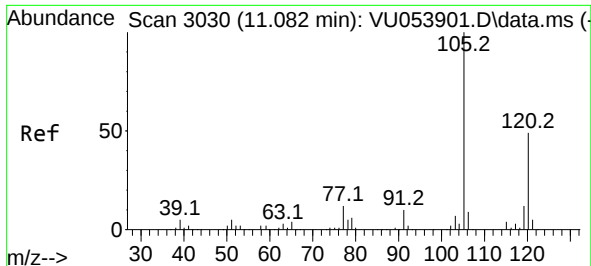
Ion Ratio Lower Upper

75 100

110 36.7 30.7 46.1

77 30.9 26.2 39.4

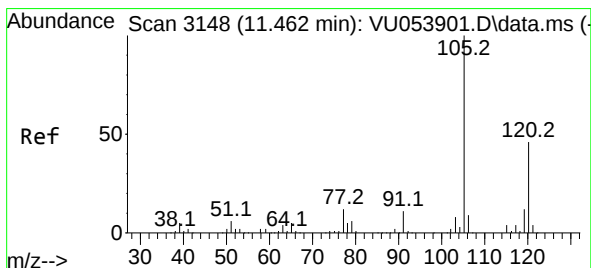
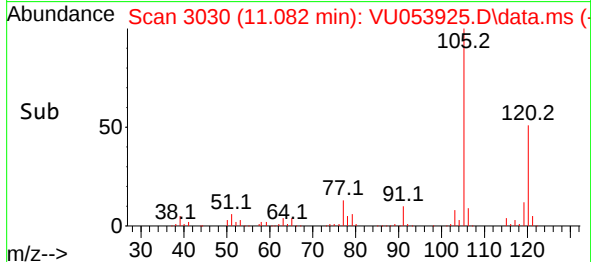
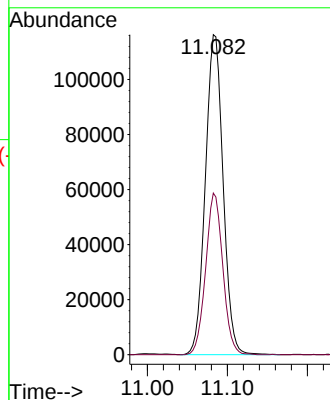
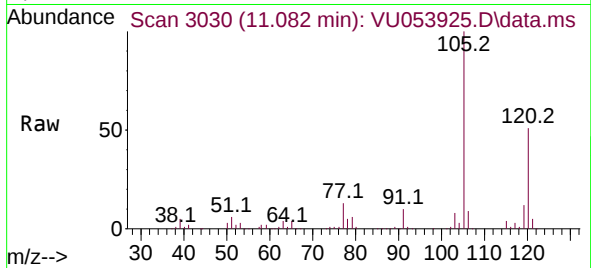




#62
1,3,5-Trimethylbenzene
Concen: 5.220 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

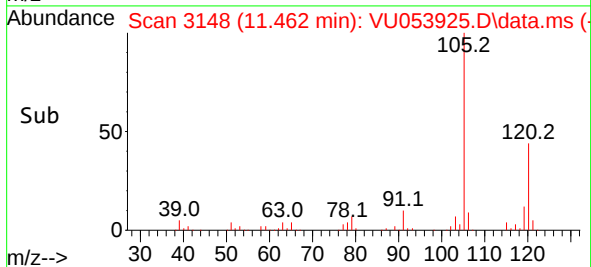
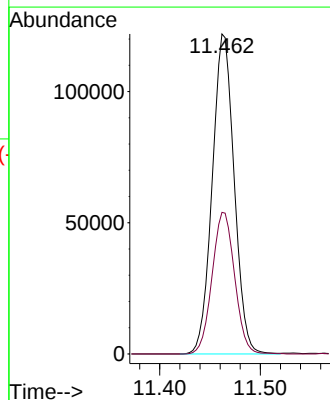
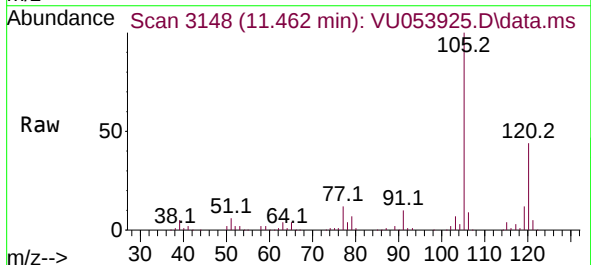
Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

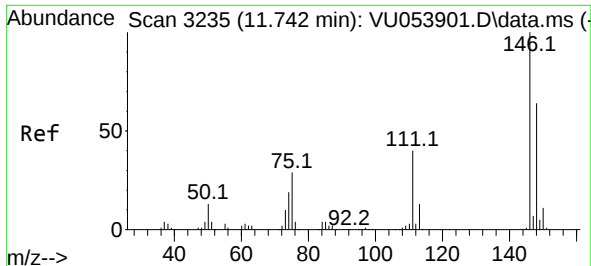
Tgt Ion:105 Resp: 179910
Ion Ratio Lower Upper
105 100
120 48.7 39.3 58.9



#63
1,2,4-Trimethylbenzene
Concen: 5.295 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion:105 Resp: 184656
Ion Ratio Lower Upper
105 100
120 45.5 37.1 55.7





#64

1,3-Dichlorobenzene

Concen: 5.178 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005163

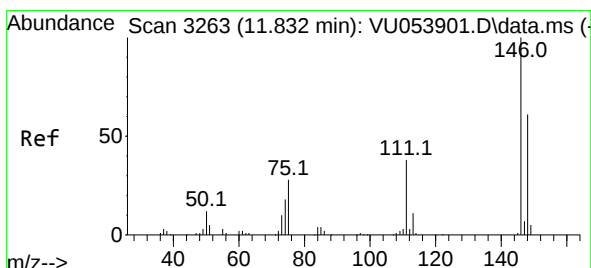
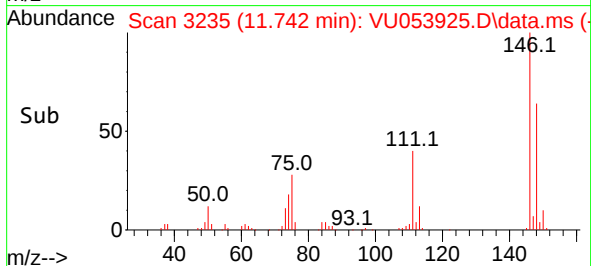
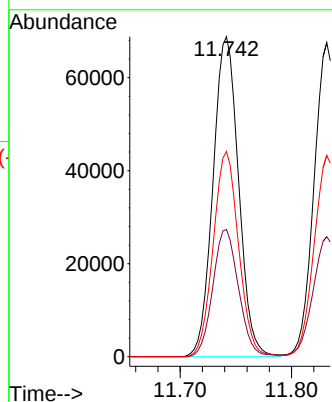
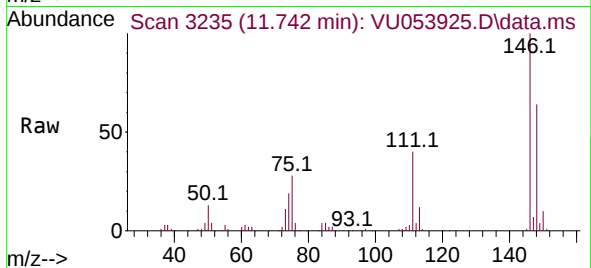
Tgt Ion:146 Resp: 109699

Ion Ratio Lower Upper

146 100

111 39.7 27.9 51.9

148 64.1 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 5.033 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

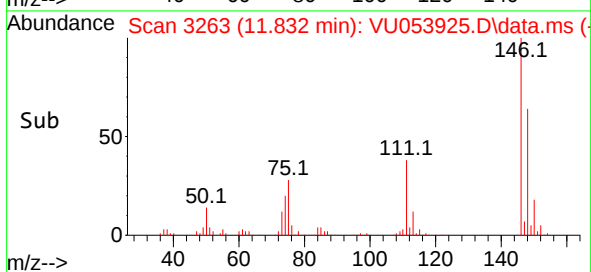
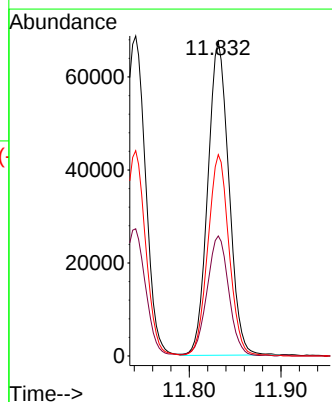
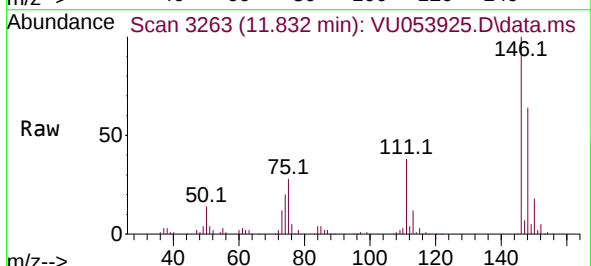
Tgt Ion:146 Resp: 107757

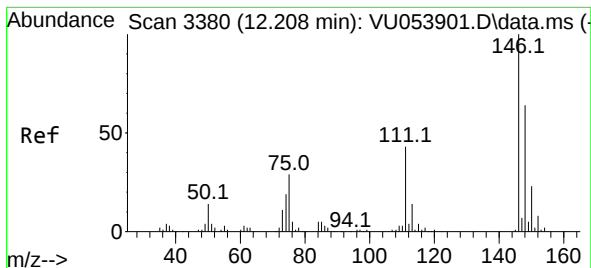
Ion Ratio Lower Upper

146 100

111 38.2 28.3 52.7

148 64.1 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.143 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005163

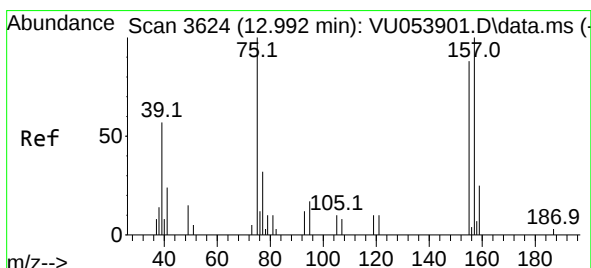
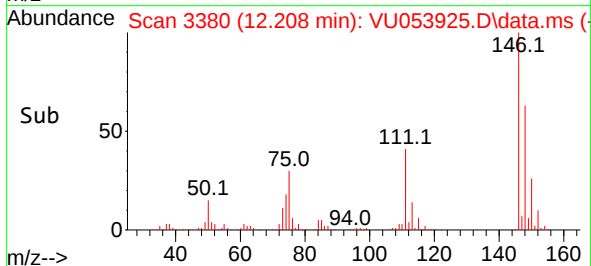
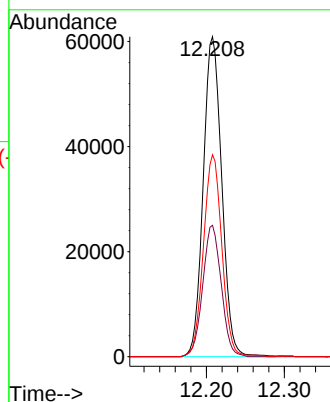
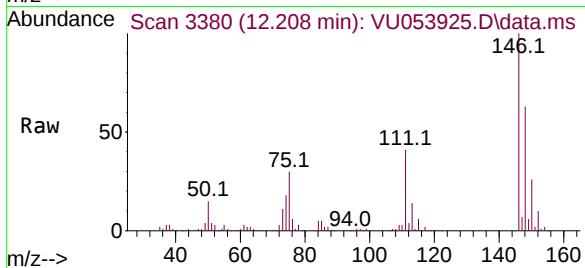
Tgt Ion:146 Resp: 100635

Ion Ratio Lower Upper

146 100

111 41.1 32.6 49.0

148 63.1 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.290 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053925.D

Acq: 26 Apr 2023 19:44

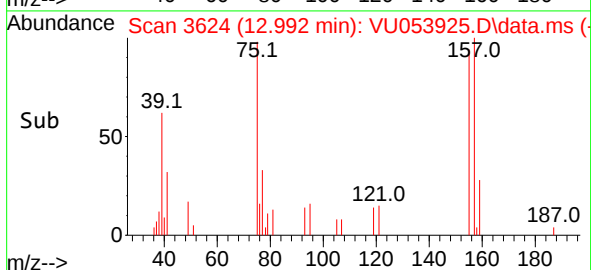
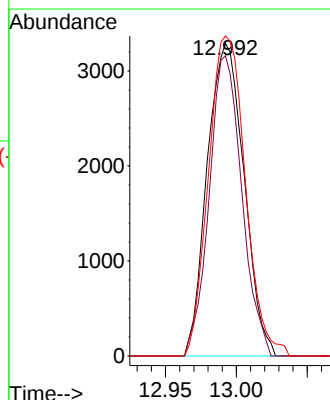
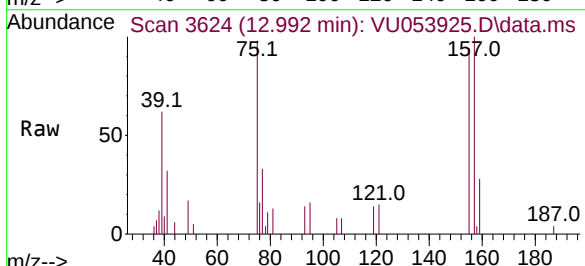
Tgt Ion: 75 Resp: 5927

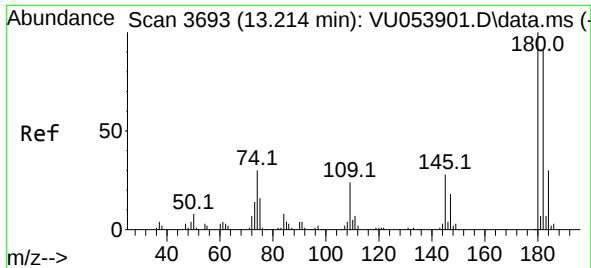
Ion Ratio Lower Upper

75 100

155 96.1 72.8 109.2

157 102.5 89.1 133.7

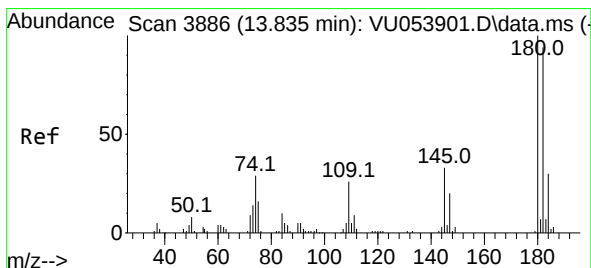
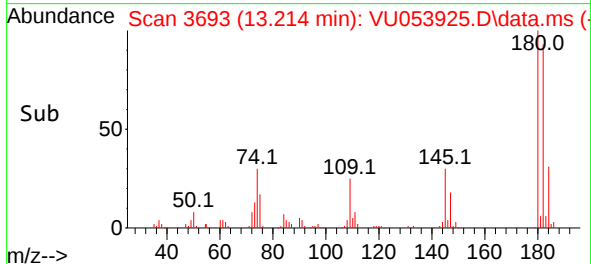
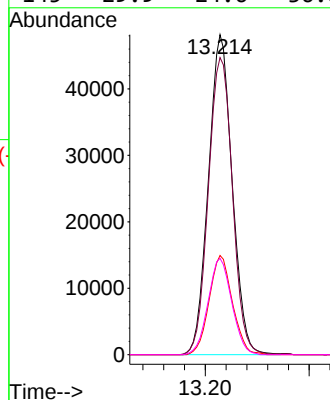
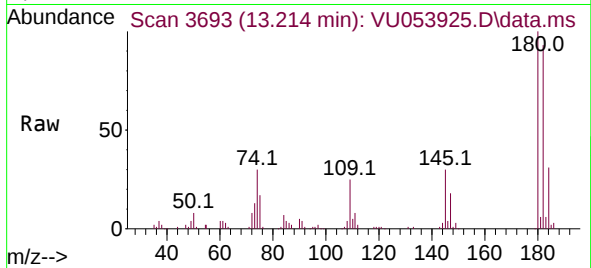




#69
 1,3,5-Trichlorobenzene
 Concen: 5.032 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

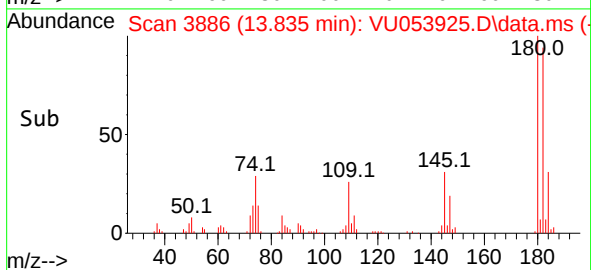
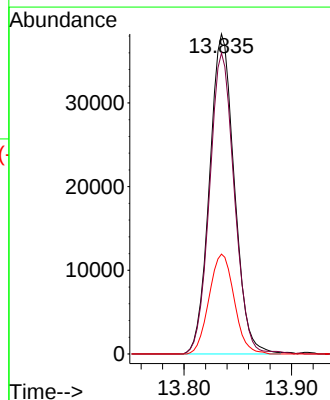
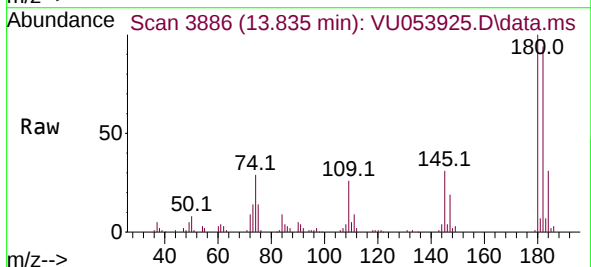
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005163

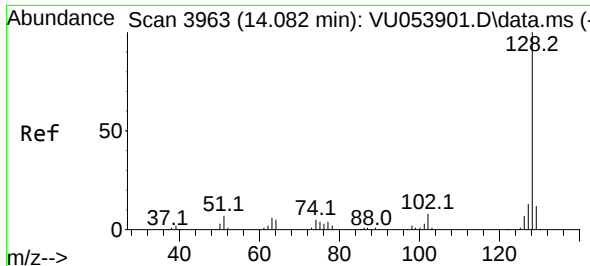
Tgt Ion:	180	Resp:	76338
Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.1	112.7
184	30.3	24.2	36.2
145	29.9	24.6	36.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.440 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053925.D
 Acq: 26 Apr 2023 19:44

Tgt Ion:	180	Resp:	61322
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.5	113.3
145	31.6	25.8	38.6

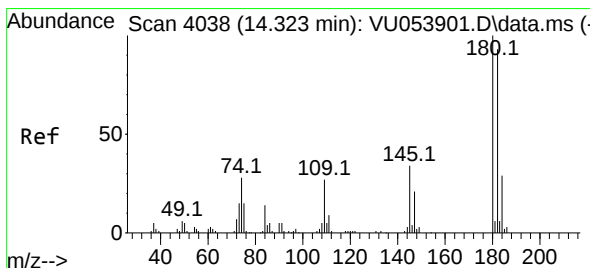
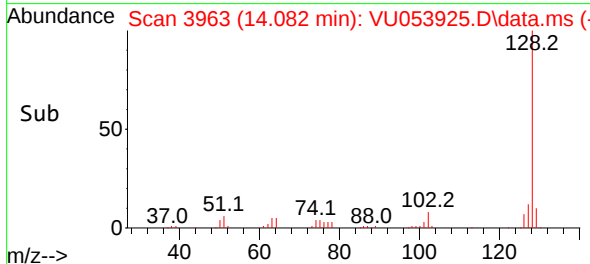
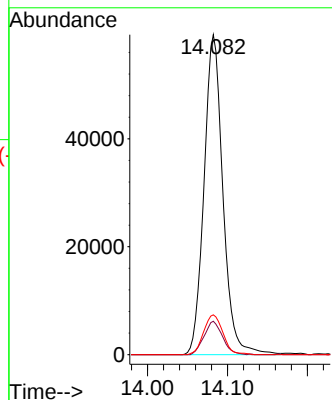
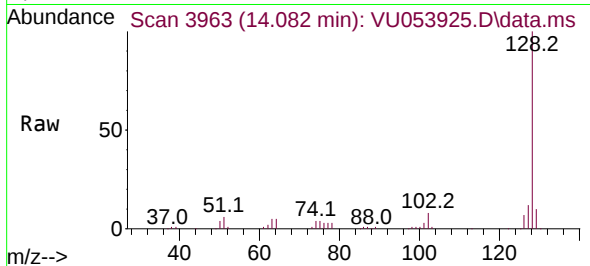




#71
Naphthalene
Concen: 4.005 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD005163

Tgt Ion:128 Resp: 97770
Ion Ratio Lower Upper
128 100
129 10.2 8.5 12.7
127 12.7 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.440 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053925.D
Acq: 26 Apr 2023 19:44

Tgt Ion:180 Resp: 54717
Ion Ratio Lower Upper
180 100
182 92.3 77.4 116.2
145 31.2 26.8 40.2

