

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051516.D
 Acq On : 26 Oct 2022 20:39
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK119

Quant Time: Oct 27 05:38:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 05:28:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	260917	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	265808	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	134278	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	100192	4.761	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.200%
7) Chloroethane-d5	1.906	69	89538	4.951	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.000%
11) 1,1-Dichloroethene-d2	2.562	65	37659	4.526	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.620	46	230758	49.799	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.600%
24) Chloroform-d	5.060	84	179220	4.567	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.700	65	90130	4.454	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
32) Benzene-d6	5.726	84	354700	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.687	67	112225	4.519	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.896	98	315590	4.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.179	79	34386	4.215	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.629	63	177207	64.443	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.880%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	98412	4.961	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	101155	4.334	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	135560	6.369	ug/L	99
3) Chloromethane	1.527	50	163159	5.459	ug/L	100
5) Vinyl chloride	1.601	62	157465	5.372	ug/L	100
6) Bromomethane	1.845	94	75388	4.723	ug/L	100
8) Chloroethane	1.928	64	93011	4.975	ug/L	99
9) Trichlorofluoromethane	2.134	101	172177	5.096	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	99268	4.895	ug/L	98
12) 1,1-Dichloroethene	2.575	96	99802	5.245	ug/L	94
13) Acetone	2.623	43	162821	46.849	ug/L	96
14) Carbon disulfide	2.790	76	346286	5.942	ug/L	99
15) Methyl Acetate	2.948	43	44342	5.248	ug/L	96
16) Methylene chloride	3.041	84	128204	4.563	ug/L	98
17) Methyl tert-butyl Ether	3.362	73	222003	5.093	ug/L	97
18) trans-1,2-Dichloroethene	3.350	96	107819	5.386	ug/L	95
19) 1,1-Dichloroethane	3.867	63	201579	4.880	ug/L	99
21) 2-Butanone	4.697	43	274320	50.083	ug/L	93
22) cis-1,2-Dichloroethene	4.665	96	113918	5.138	ug/L	97
23) Bromochloromethane	4.973	128	55485	5.245	ug/L	94
25) Chloroform	5.086	83	207417	4.807	ug/L	100

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 Sample : VSTDCCC005
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 ALS Vial : 22 Sample Multiplier: 1

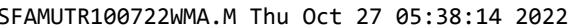
Instrument :
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 ClientSampleId :
 VBLK119

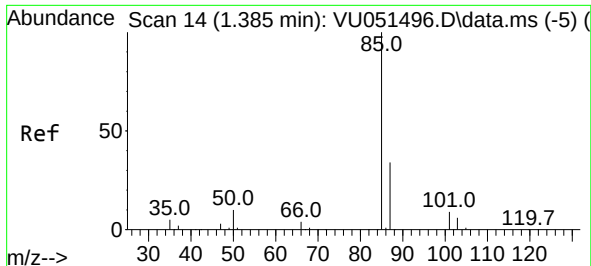
Quant Time: Oct 27 05:38:07 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 05:28:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	127648	4.939	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	163252	5.126	ug/L	99
30) Cyclohexane	5.385	56	143468	5.311	ug/L	99
31) Carbon tetrachloride	5.523	117	137969	5.119	ug/L	98
33) Benzene	5.771	78	465937	5.251	ug/L	100
34) Trichloroethene	6.539	95	111079	5.018	ug/L	98
35) Methylcyclohexane	6.761	83	150156	5.376	ug/L	97
37) 1,2-Dichloropropane	6.790	63	119775	4.925	ug/L	100
38) Bromodichloromethane	7.105	83	149009	5.136	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	145817	4.988	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	673985	52.818	ug/L	98
42) Toluene	7.967	91	493180	5.236	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	127411	5.040	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	88065	5.157	ug/L	96
47) Tetrachloroethene	8.552	164	82791	5.087	ug/L	98
48) 2-Hexanone	8.681	43	503339	52.976	ug/L	99
49) Dibromochloromethane	8.809	129	101165	5.276	ug/L	98
50) 1,2-Dibromoethane	8.922	107	81705	5.375	ug/L	96
51) Chlorobenzene	9.446	112	294051	5.225	ug/L	99
52) Ethylbenzene	9.568	91	447068	5.282	ug/L	96
53) m,p-Xylene	9.690	106	183056	5.576	ug/L	96
54) o-Xylene	10.099	106	174889	5.630	ug/L	96
55) Styrene	10.111	104	303834	5.682	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	112168	5.306	ug/L	100
59) Bromoform	10.288	173	56278	5.038	ug/L	99
60) Isopropylbenzene	10.484	105	433422	5.096	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	79497	4.689	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	107171	4.750	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	313427	4.912	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	208493	4.956	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	210315	5.072	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	202025	4.940	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	16951	5.226	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	138678	4.782	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	100662	4.884	ug/L	97
71) Naphthalene	14.086	128	178291	4.654	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	104492	4.901	ug/L	99

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

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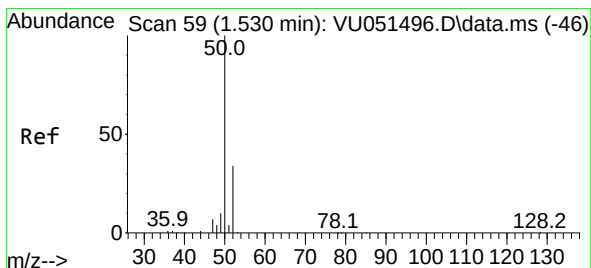
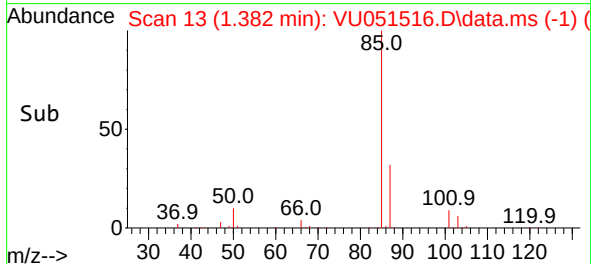
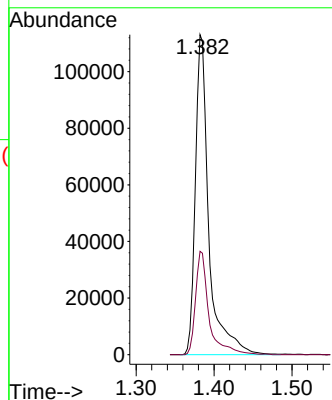
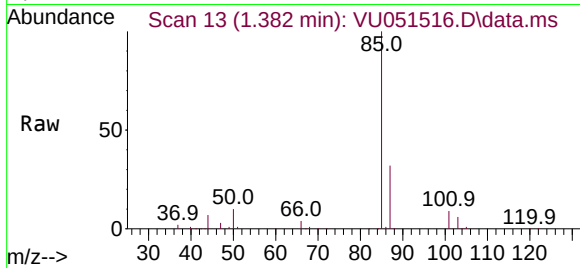




#2
Dichlorodifluoromethane
Concen: 6.369 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

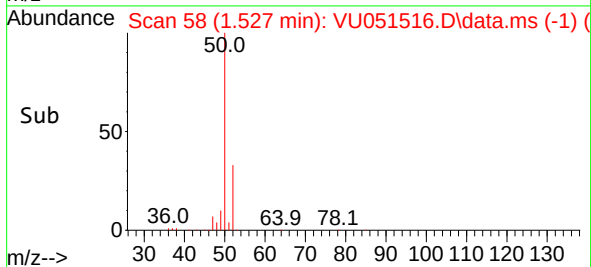
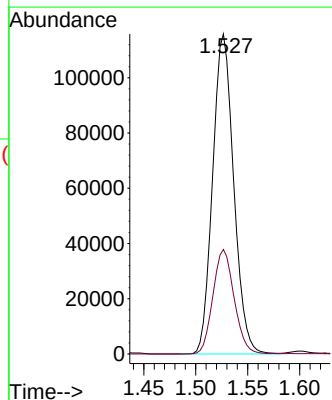
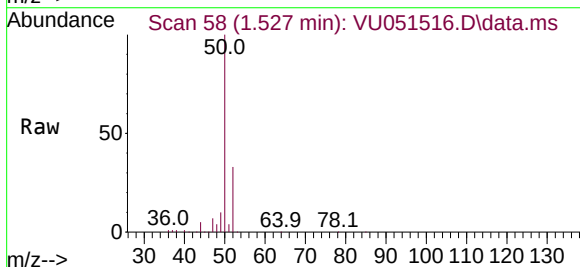
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

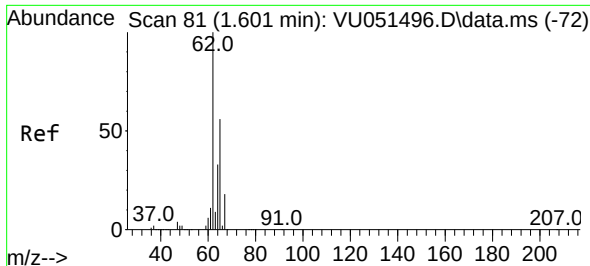
Tgt Ion: 85 Resp: 135560
Ion Ratio Lower Upper
85 100
87 32.3 26.2 39.4



#3
Chloromethane
Concen: 5.459 ug/L
RT: 1.527 min Scan# 58
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 50 Resp: 163159
Ion Ratio Lower Upper
50 100
52 32.7 22.9 42.5

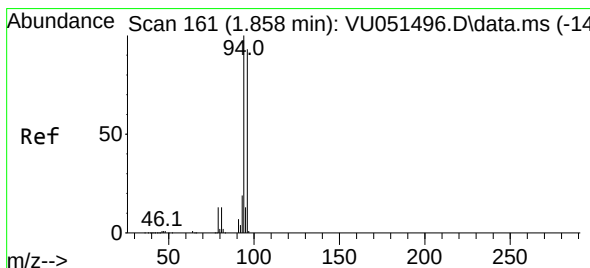
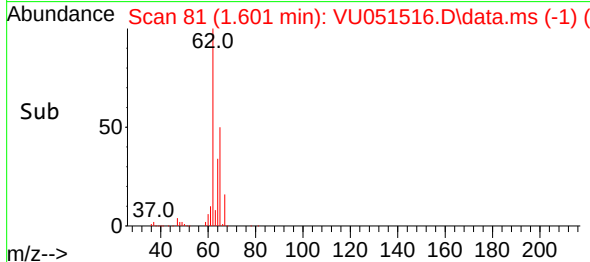
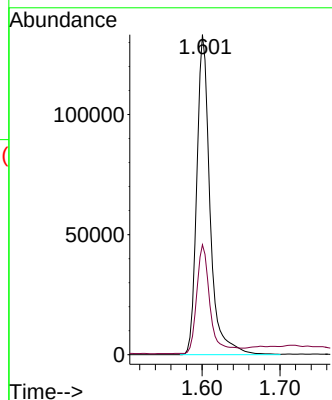
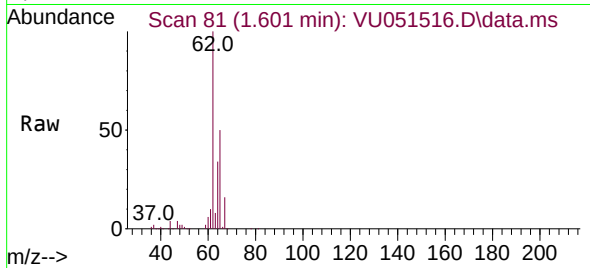




#5
 Vinyl chloride
 Concen: 5.372 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051516.D
 Acq: 26 Oct 2022 20:39

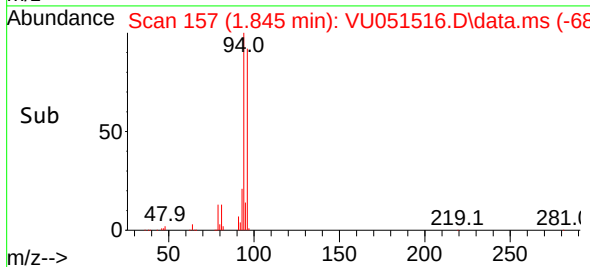
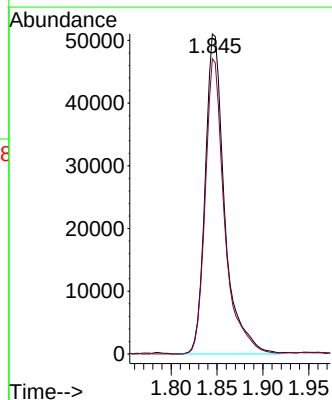
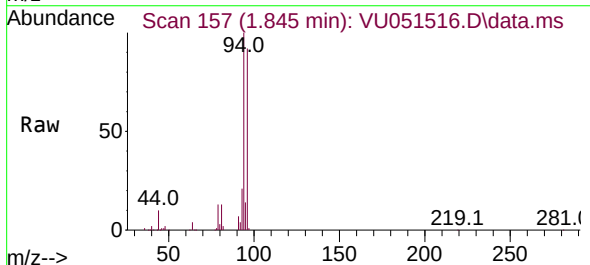
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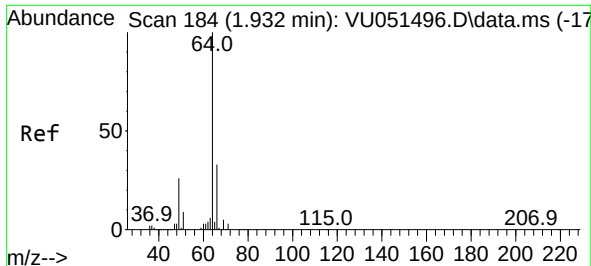
Tgt Ion: 62 Resp: 157465
 Ion Ratio Lower Upper
 62 100
 64 34.4 24.0 44.6



#6
 Bromomethane
 Concen: 4.723 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. -0.013 min
 Lab File: VU051516.D
 Acq: 26 Oct 2022 20:39

Tgt Ion: 94 Resp: 75388
 Ion Ratio Lower Upper
 94 100
 96 92.3 64.9 120.5

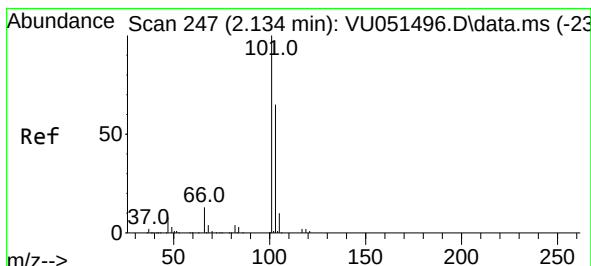
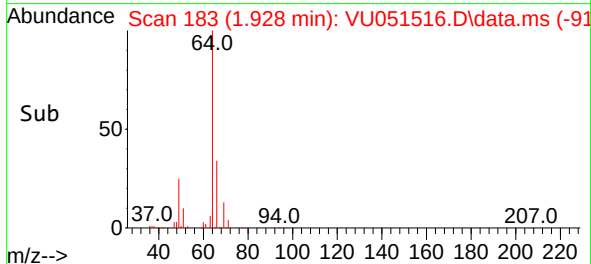
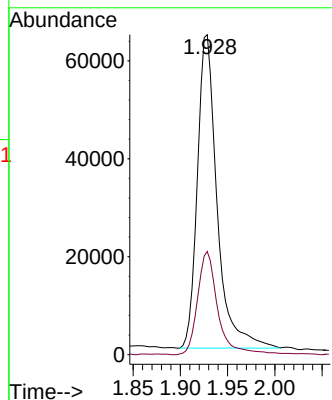
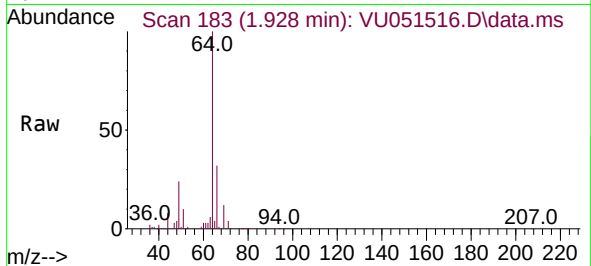




#8
Chloroethane
Concen: 4.975 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

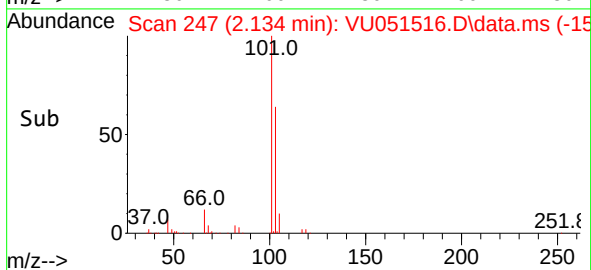
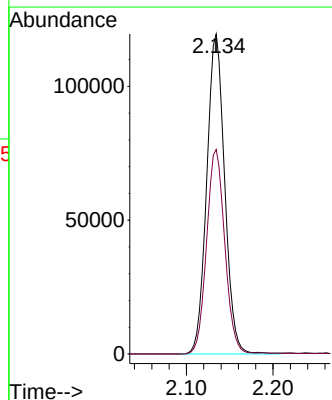
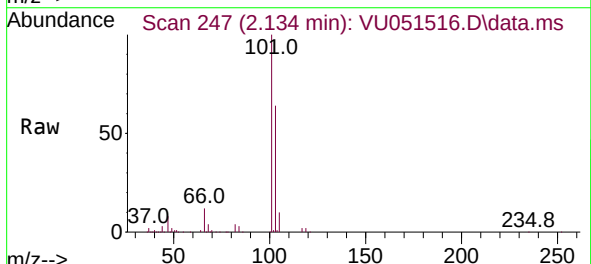
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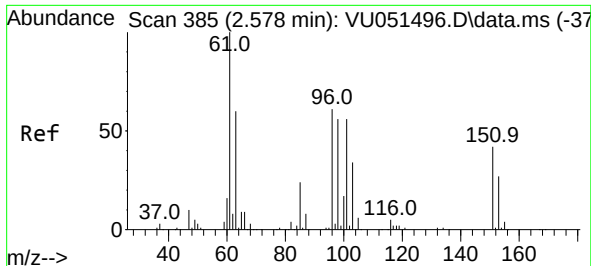
Tgt Ion: 64 Resp: 93011
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.096 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 101 Resp: 172177
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.2

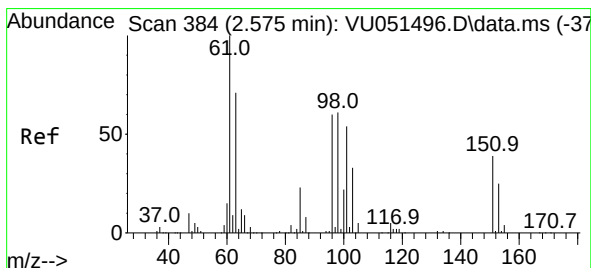
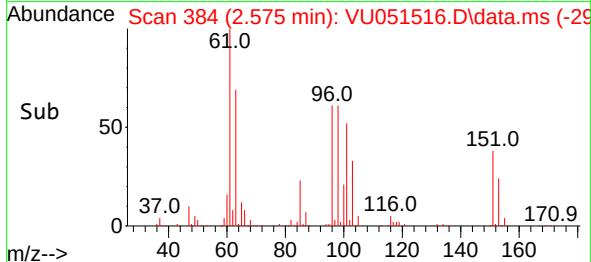
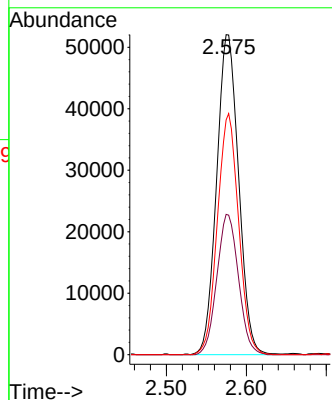
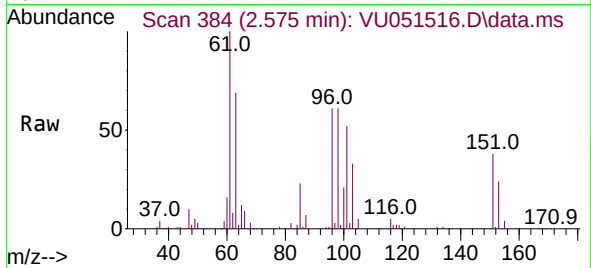




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.895 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

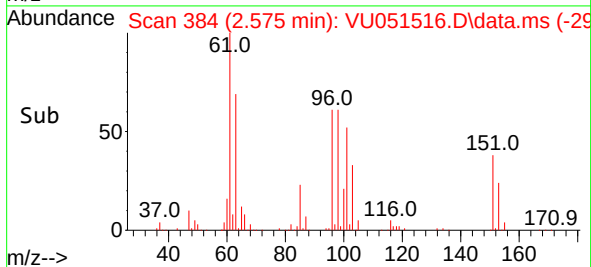
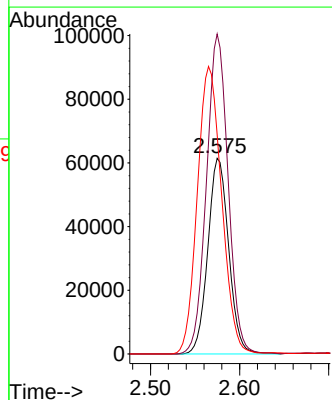
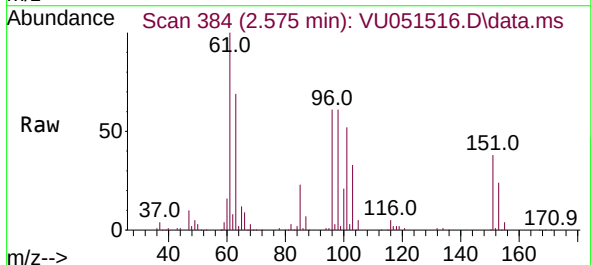
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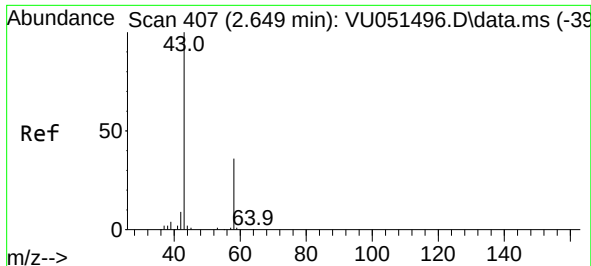
Tgt Ion:101 Resp: 99268
Ion Ratio Lower Upper
101 100
85 43.0 34.6 51.8
151 72.7 56.5 84.7



#12
1,1-Dichloroethene
Concen: 5.245 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 96 Resp: 99802
Ion Ratio Lower Upper
96 100
61 163.5 117.6 218.4
63 112.1 85.2 158.2





#13

Acetone

Concen: 46.849 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.026 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

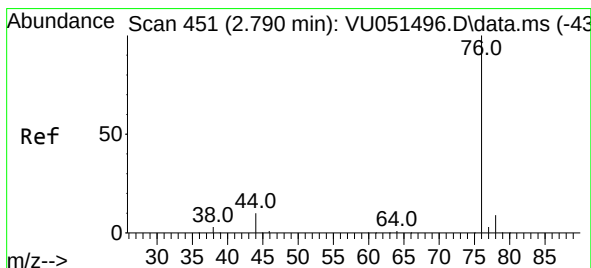
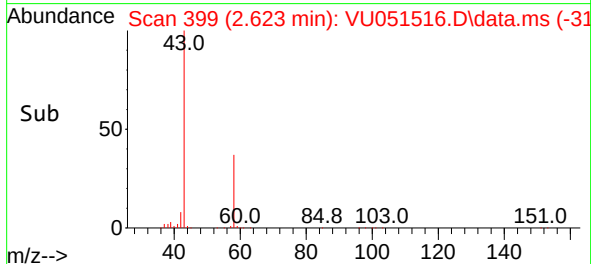
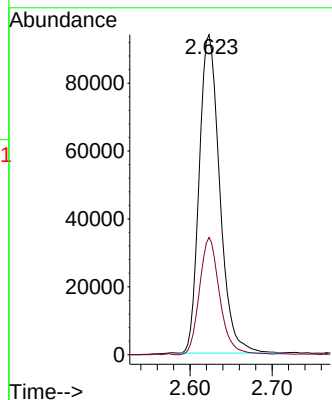
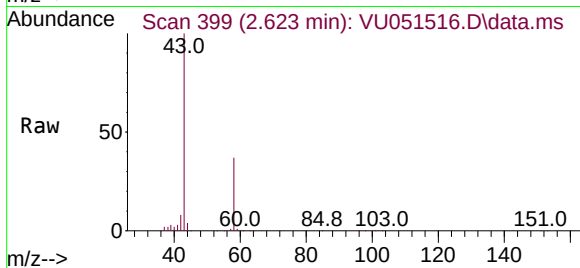
VBLK119

Tgt Ion: 43 Resp: 162821

Ion Ratio Lower Upper

43 100

58 36.4 0.0 68.8



#14

Carbon disulfide

Concen: 5.942 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051516.D

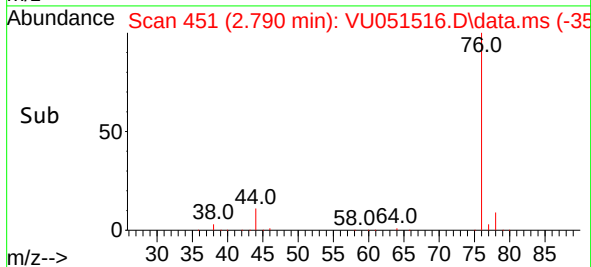
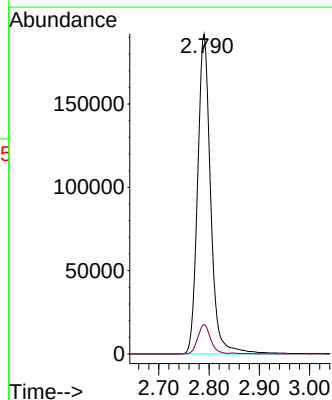
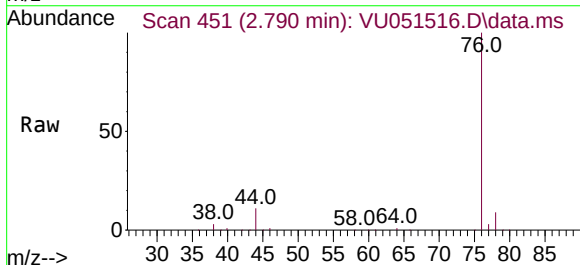
Acq: 26 Oct 2022 20:39

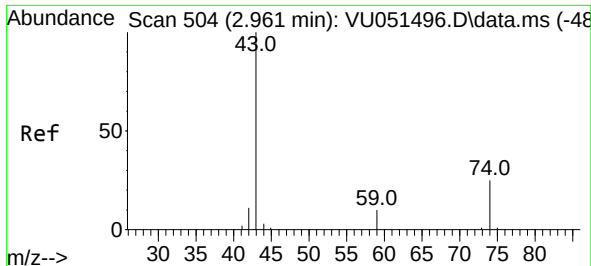
Tgt Ion: 76 Resp: 346286

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

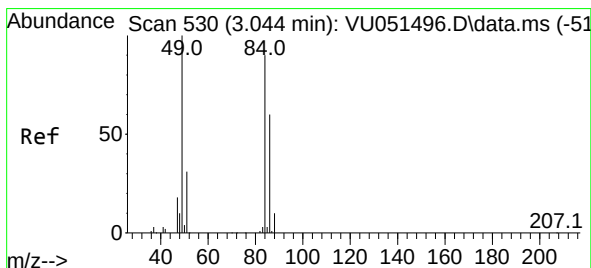
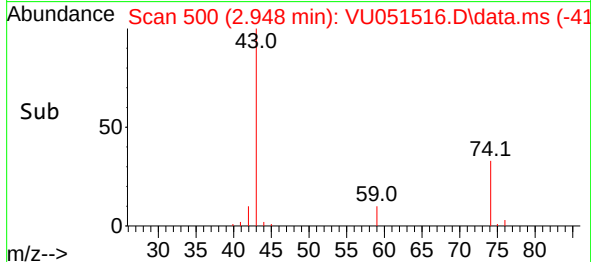
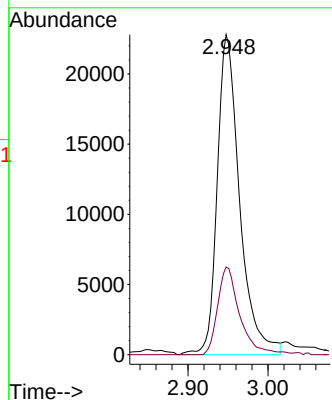
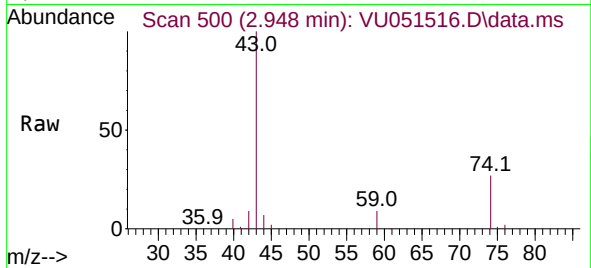




#15
Methyl Acetate
Concen: 5.248 ug/L
RT: 2.948 min Scan# 504
Delta R.T. -0.013 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

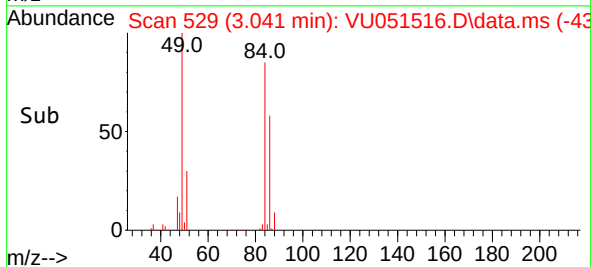
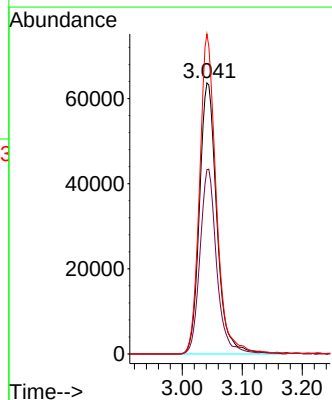
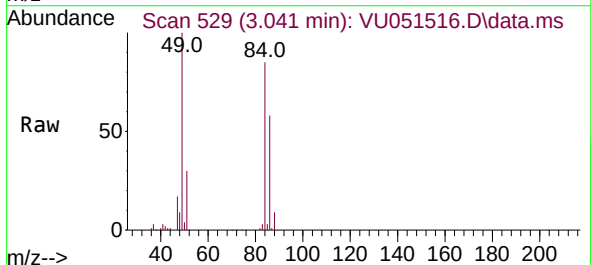
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

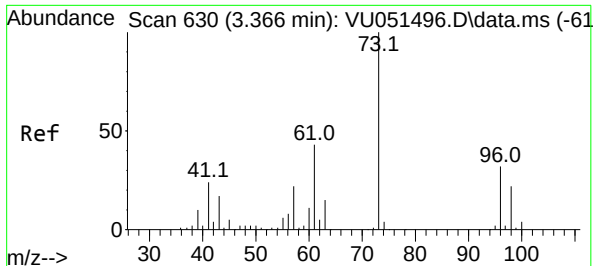
Tgt Ion: 43 Resp: 44342
Ion Ratio Lower Upper
43 100
74 27.0 20.0 30.0



#16
Methylene chloride
Concen: 4.563 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 84 Resp: 128204
Ion Ratio Lower Upper
84 100
86 68.0 46.5 86.3
49 118.1 81.3 151.1





#17

Methyl tert-butyl Ether

Concen: 5.093 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VBLK119

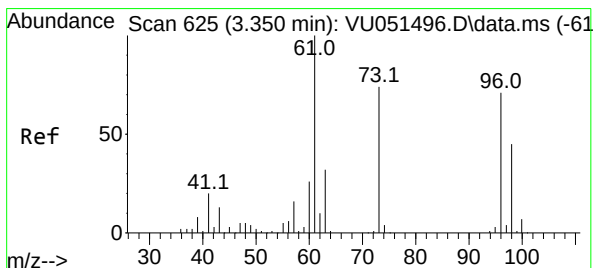
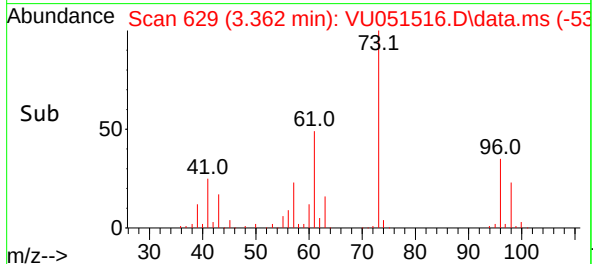
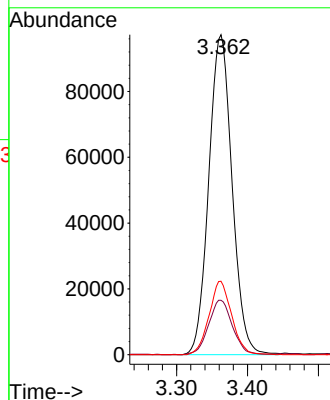
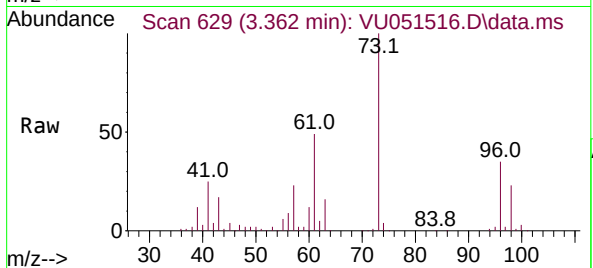
Tgt Ion: 73 Resp: 222003

Ion Ratio Lower Upper

73 100

43 17.5 15.4 23.0

57 22.2 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 5.386 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

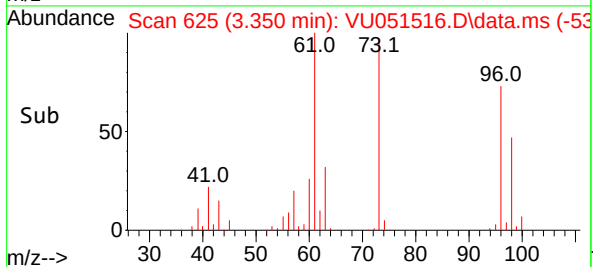
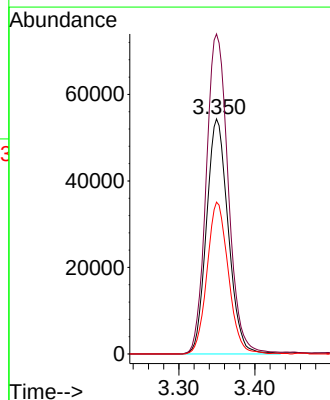
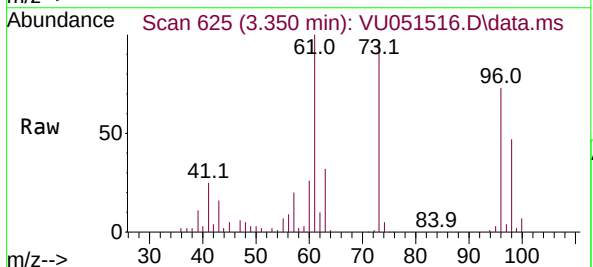
Tgt Ion: 96 Resp: 107819

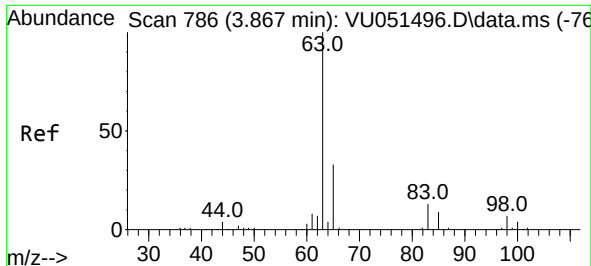
Ion Ratio Lower Upper

96 100

61 136.2 101.4 188.2

98 64.6 44.9 83.5

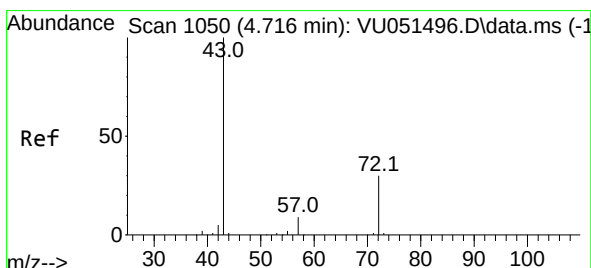
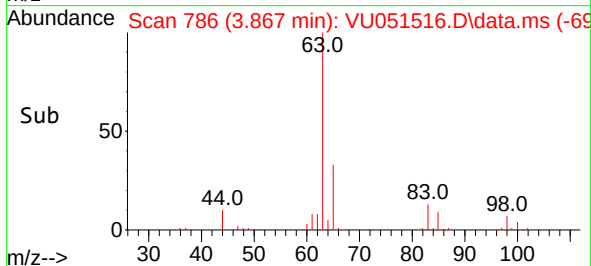
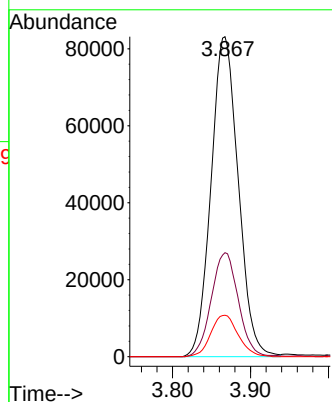
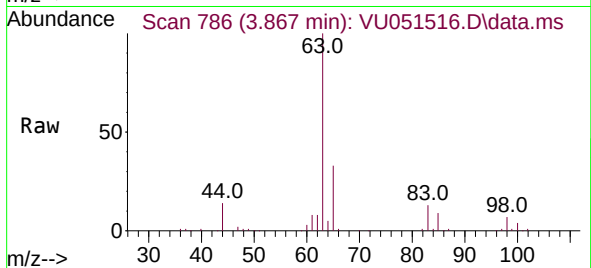




#19
1,1-Dichloroethane
Concen: 4.880 ug/L
RT: 3.867 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

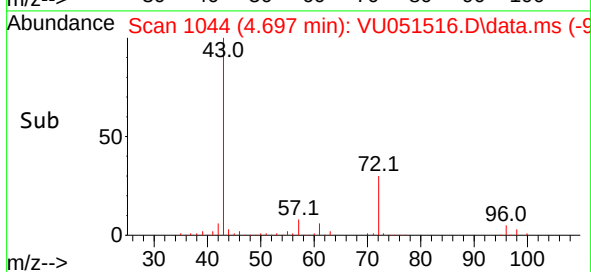
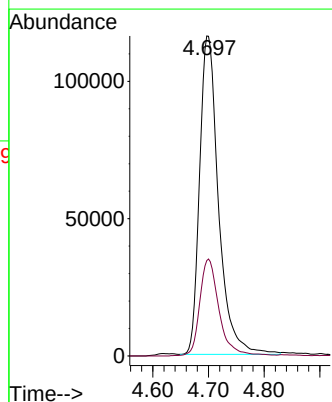
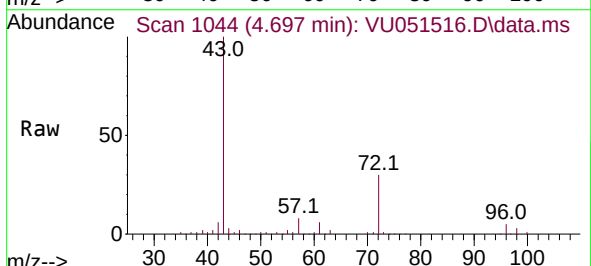
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

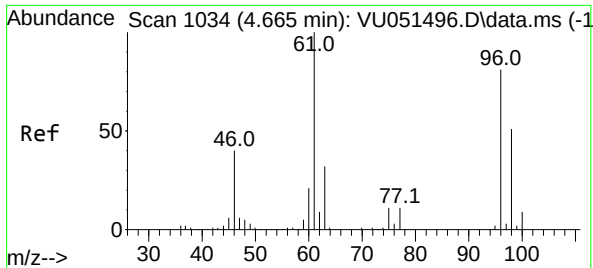
Tgt Ion: 63 Resp: 201579
Ion Ratio Lower Upper
63 100
65 32.5 22.0 41.0
83 13.0 9.0 16.6



#21
2-Butanone
Concen: 50.083 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.019 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 43 Resp: 274320
Ion Ratio Lower Upper
43 100
72 31.2 13.8 41.4





#22

cis-1,2-Dichloroethene

Concen: 5.138 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VBLK119

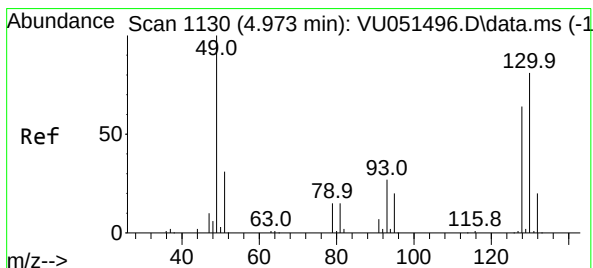
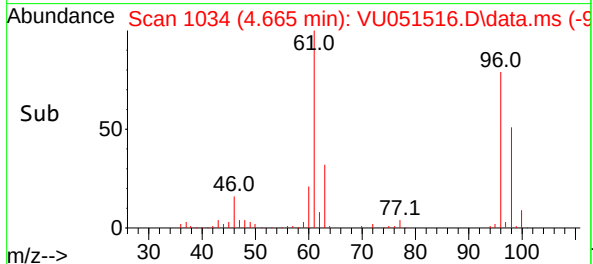
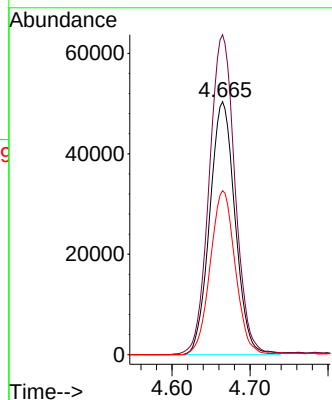
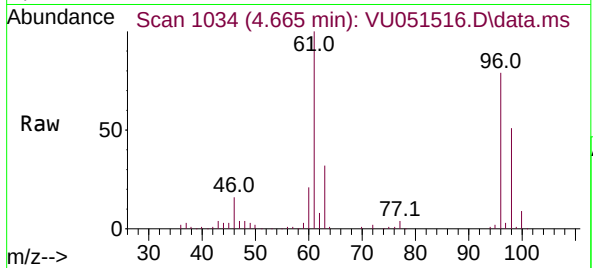
Tgt Ion: 96 Resp: 113918

Ion Ratio Lower Upper

96 100

61 126.5 90.6 168.2

98 64.9 47.5 88.3



#23

Bromochloromethane

Concen: 5.245 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Tgt Ion: 128 Resp: 55485

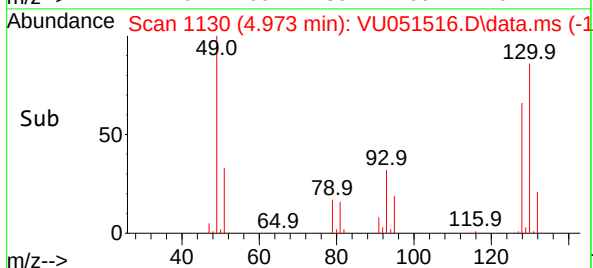
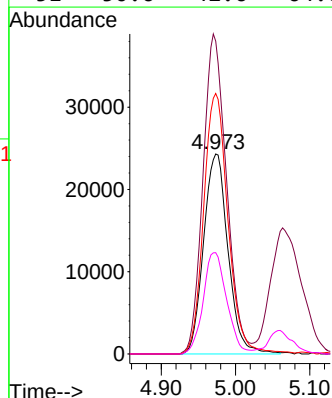
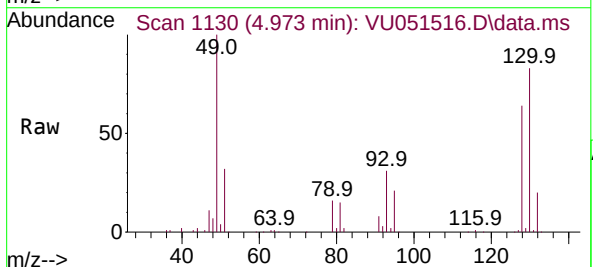
Ion Ratio Lower Upper

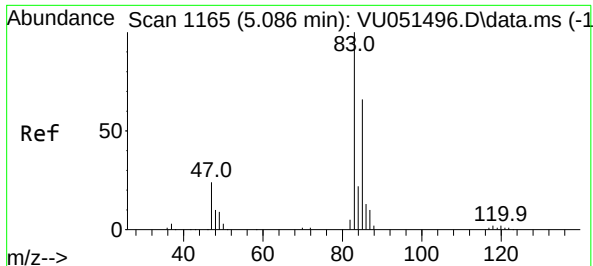
128 100

49 156.4 118.0 219.2

130 130.2 88.8 164.8

51 50.6 42.6 64.0





#25

Chloroform

Concen: 4.807 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

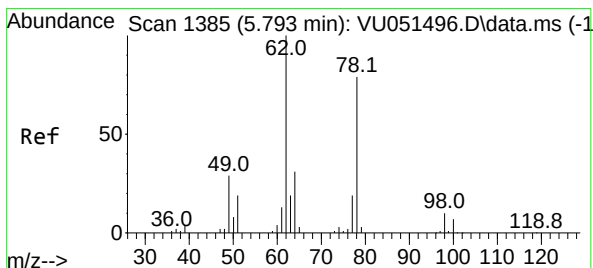
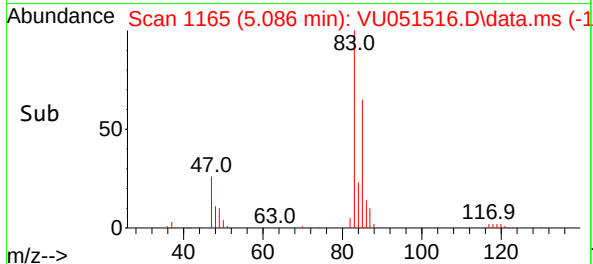
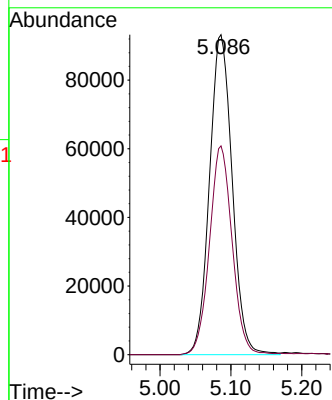
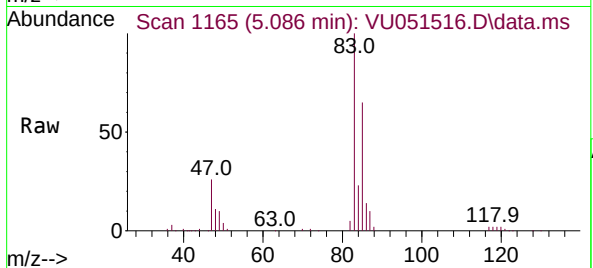
VBLK119

Tgt Ion: 83 Resp: 207417

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.939 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU051516.D

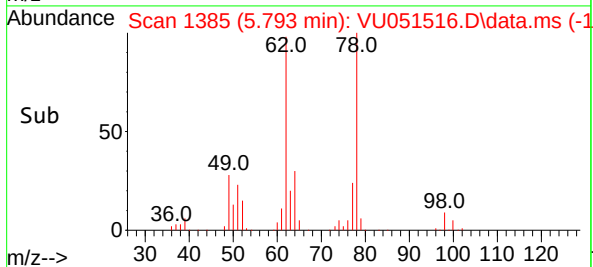
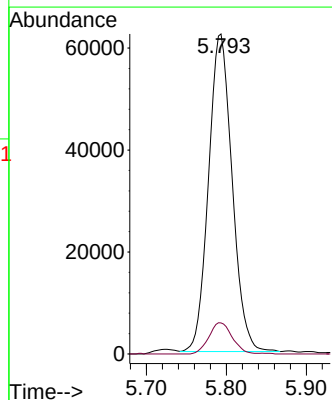
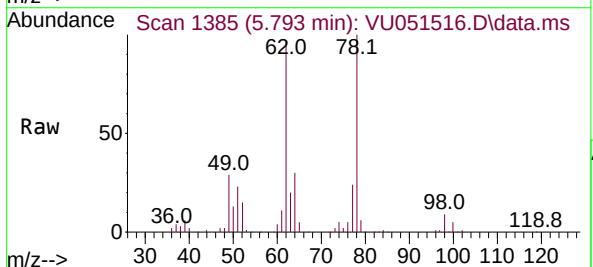
Acq: 26 Oct 2022 20:39

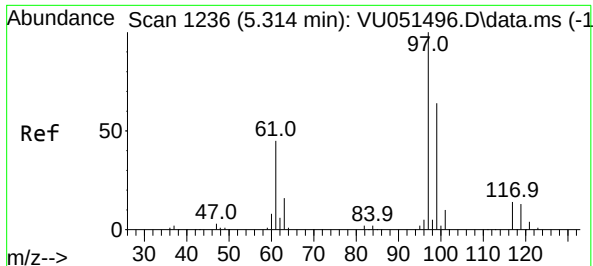
Tgt Ion: 62 Resp: 127648

Ion Ratio Lower Upper

62 100

98 9.7 7.7 11.5

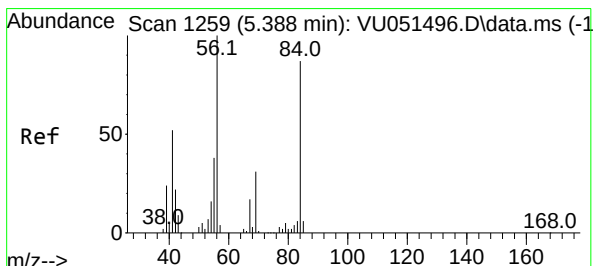
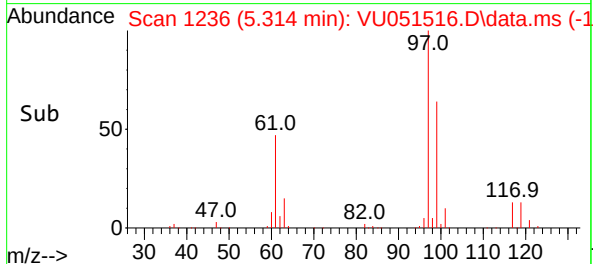
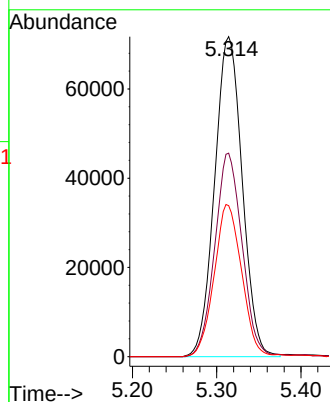
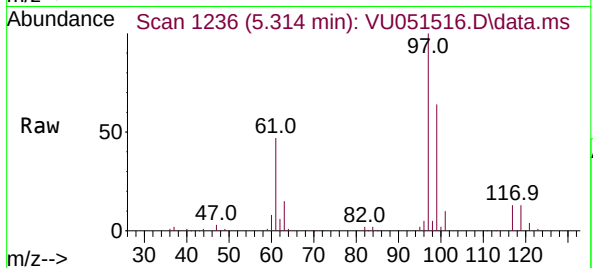




#29
1,1,1-Trichloroethane
Concen: 5.126 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

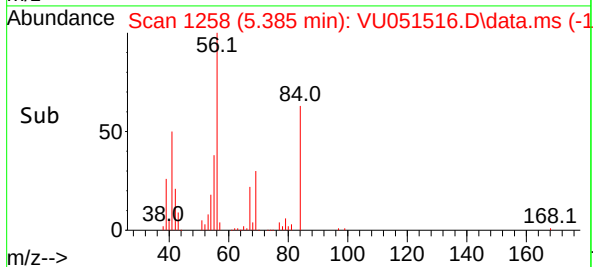
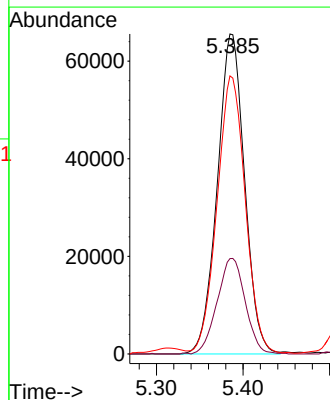
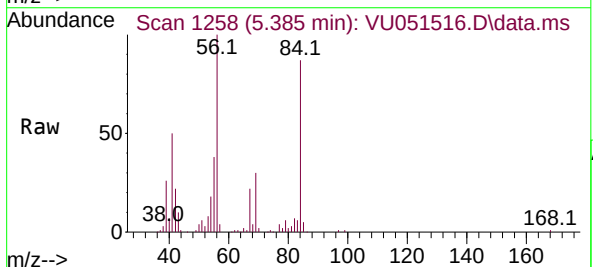
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

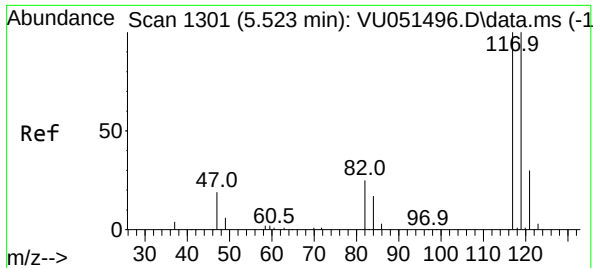
Tgt Ion: 97 Resp: 163252
Ion Ratio Lower Upper
97 100
99 63.0 50.2 75.4
61 47.5 38.7 58.1



#30
Cyclohexane
Concen: 5.311 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 56 Resp: 143468
Ion Ratio Lower Upper
56 100
69 30.7 25.1 37.7
84 89.6 70.9 106.3

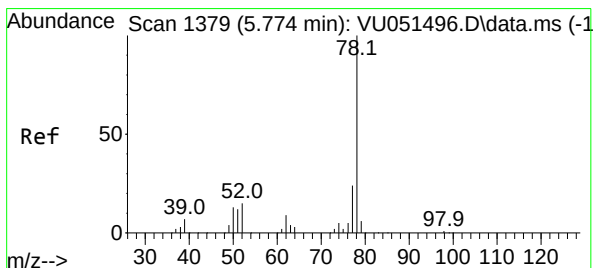
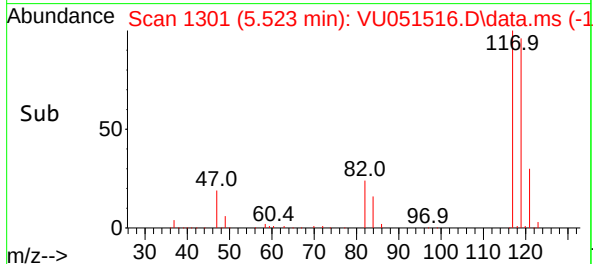
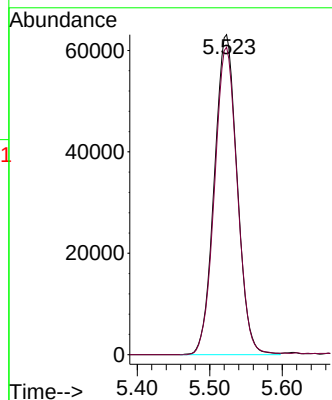
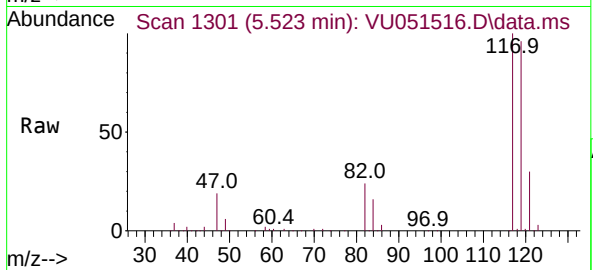




#31
Carbon tetrachloride
Concen: 5.119 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

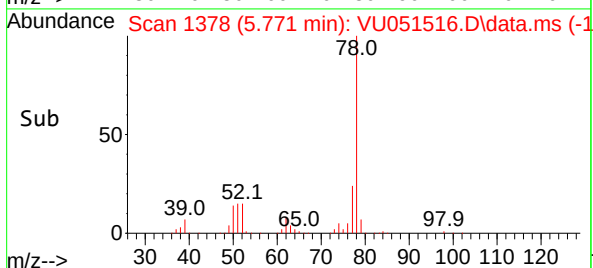
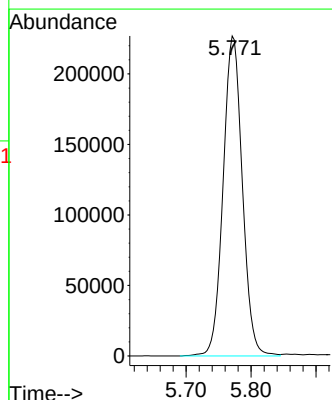
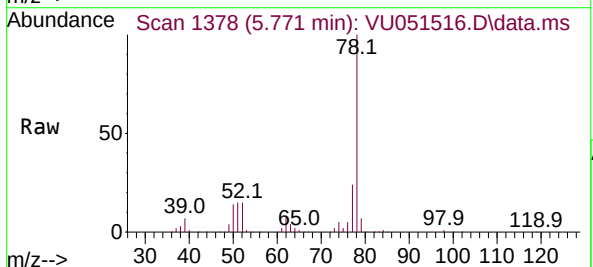
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

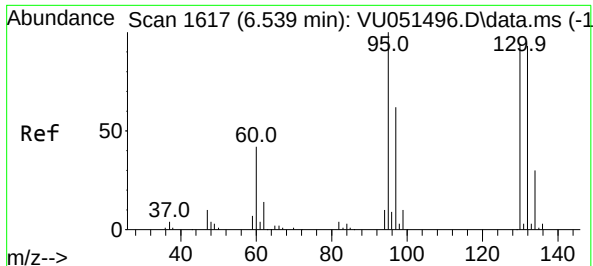
Tgt Ion:117 Resp: 137969
Ion Ratio Lower Upper
117 100
119 96.1 78.4 117.6



#33
Benzene
Concen: 5.251 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 78 Resp: 465937

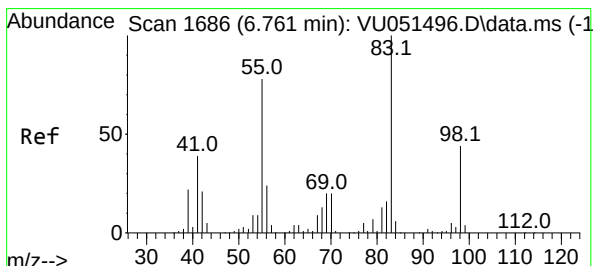
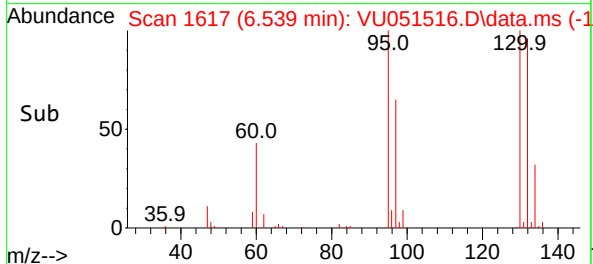
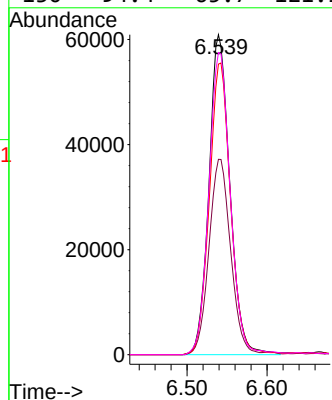
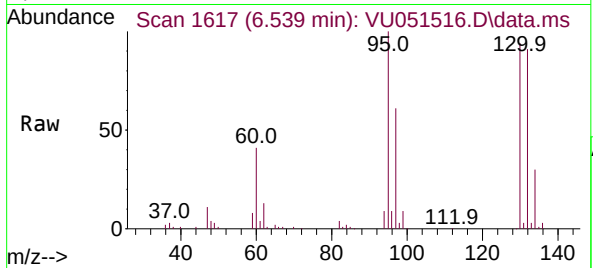




#34
Trichloroethene
Concen: 5.018 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

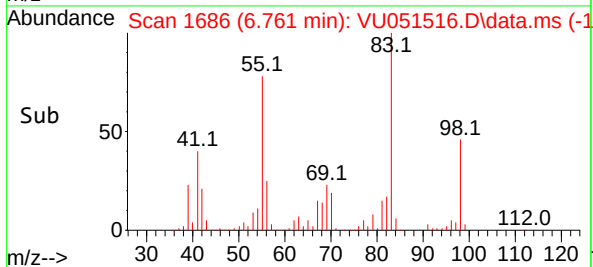
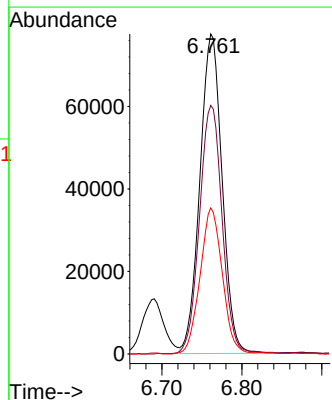
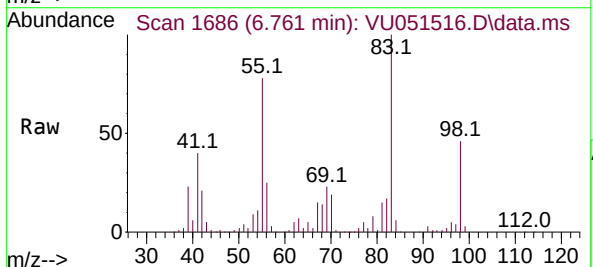
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

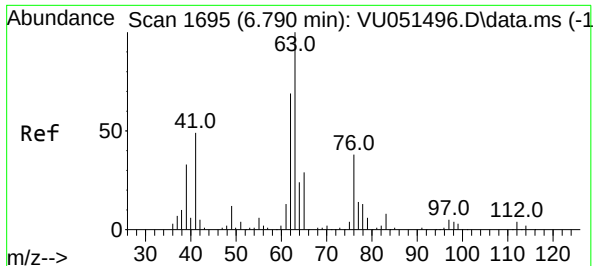
Tgt Ion: 95 Resp: 111079
Ion Ratio Lower Upper
95 100
97 61.0 45.4 84.2
132 90.8 63.1 117.3
130 94.4 65.7 121.9



#35
Methylcyclohexane
Concen: 5.376 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 83 Resp: 150156
Ion Ratio Lower Upper
83 100
55 78.9 65.8 98.6
98 45.6 35.9 53.9

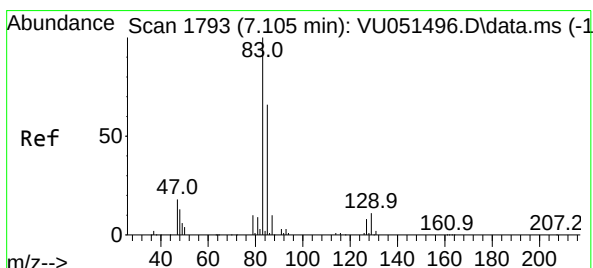
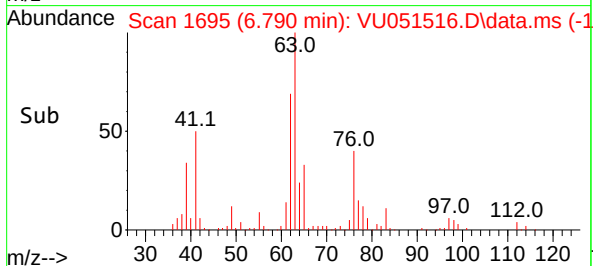
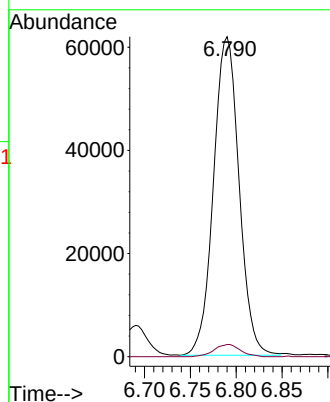
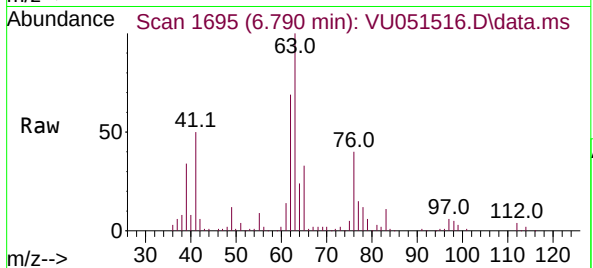




#37
1,2-Dichloropropane
Concen: 4.925 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

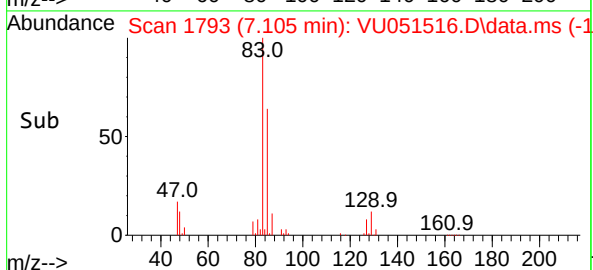
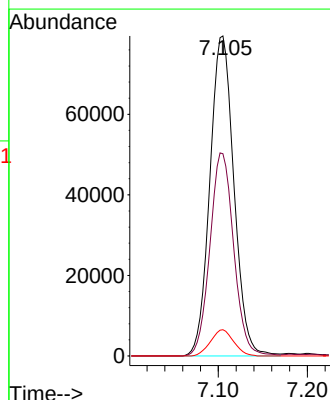
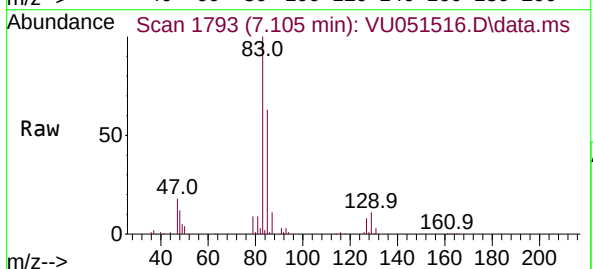
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

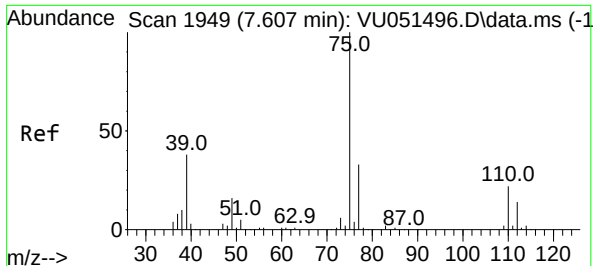
Tgt Ion: 63 Resp: 119775
Ion Ratio Lower Upper
63 100
112 3.9 3.2 4.8



#38
Bromodichloromethane
Concen: 5.136 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 83 Resp: 149009
Ion Ratio Lower Upper
83 100
85 63.2 44.8 83.2
127 8.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.988 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

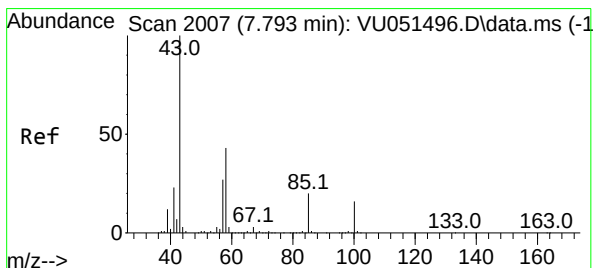
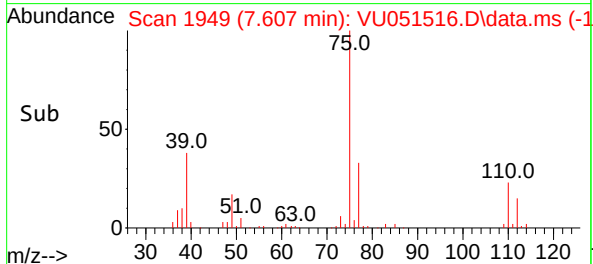
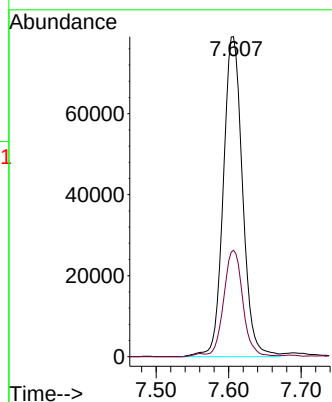
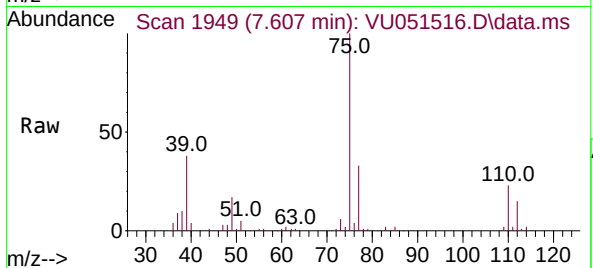
VBLK119

Tgt Ion: 75 Resp: 145817

Ion Ratio Lower Upper

75 100

77 33.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 52.818 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

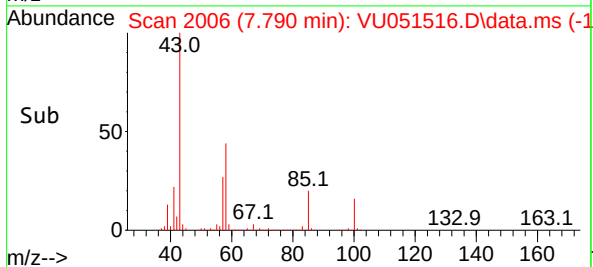
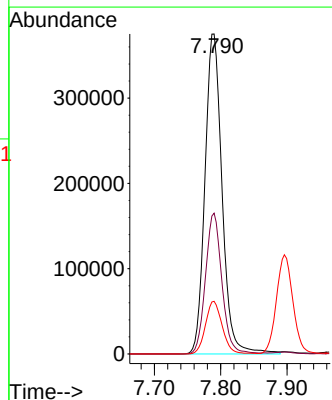
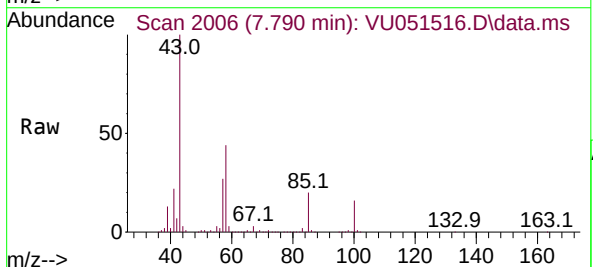
Tgt Ion: 43 Resp: 673985

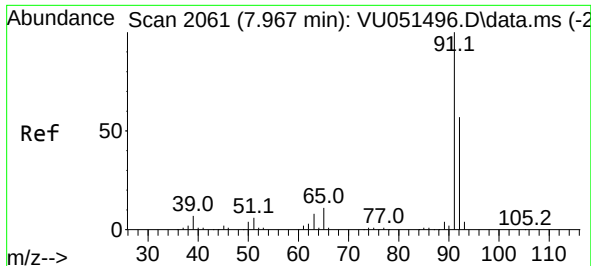
Ion Ratio Lower Upper

43 100

58 42.2 33.0 49.6

100 16.1 11.8 17.6





#42

Toluene

Concen: 5.236 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

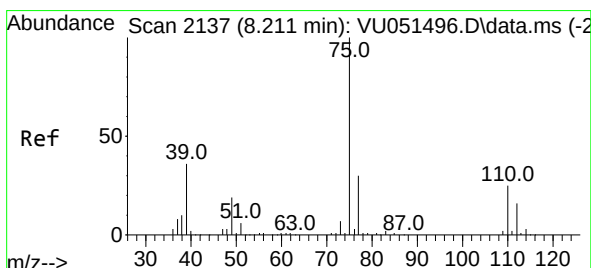
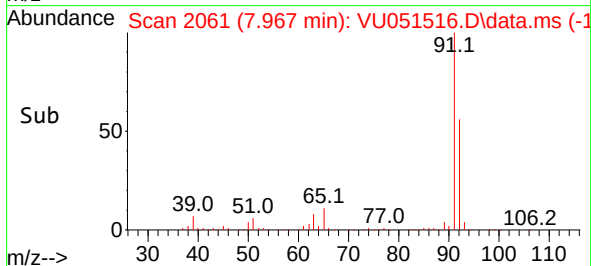
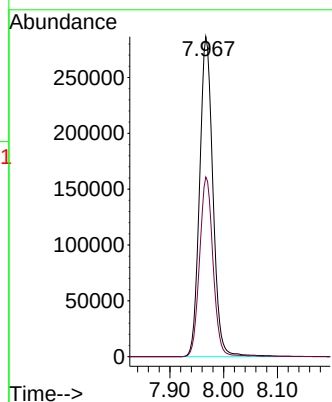
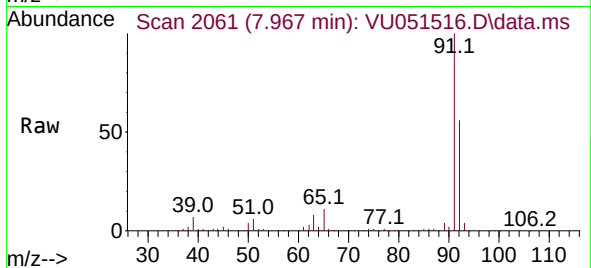
VBLK119

Tgt Ion: 91 Resp: 493180

Ion Ratio Lower Upper

91 100

92 56.2 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.040 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU051516.D

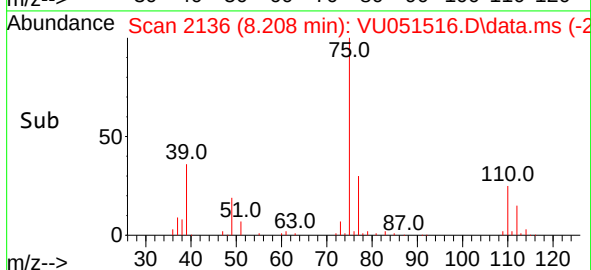
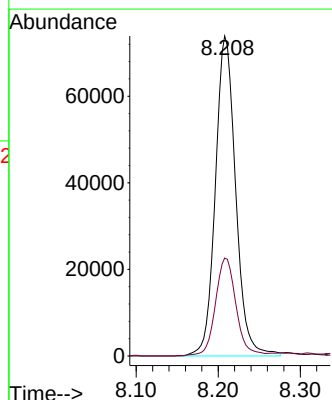
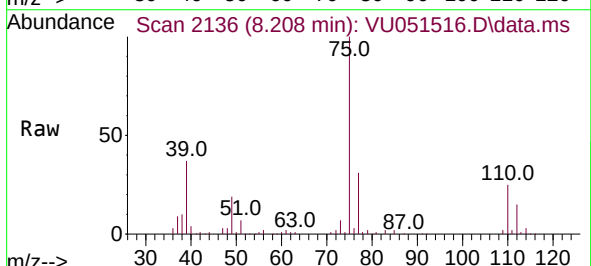
Acq: 26 Oct 2022 20:39

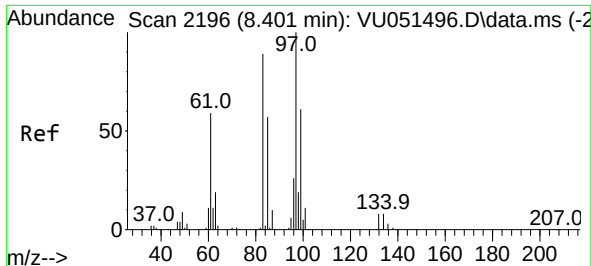
Tgt Ion: 75 Resp: 127411

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.6



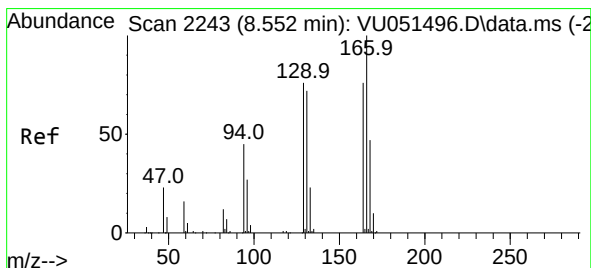
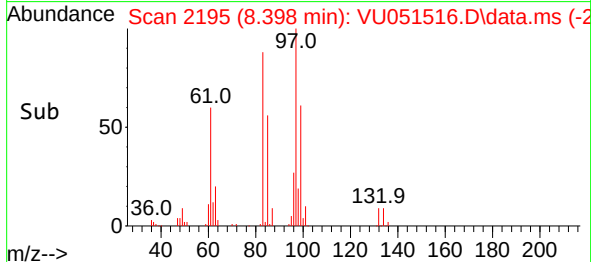
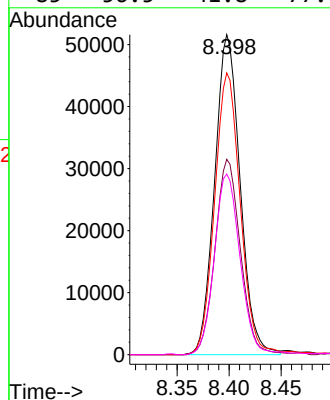
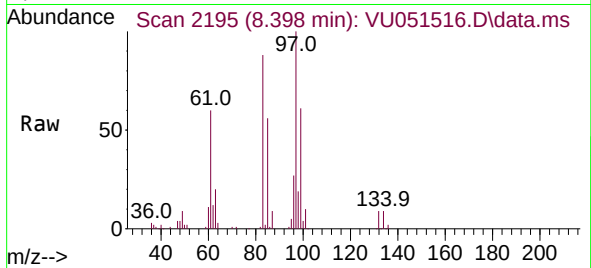


#45
1,1,2-Trichloroethane
Concen: 5.157 ug/L
RT: 8.398 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Instrument :
MSVOA_U
ClientSampleId :
VBLK119

Tgt Ion: 97 Resp: 88065

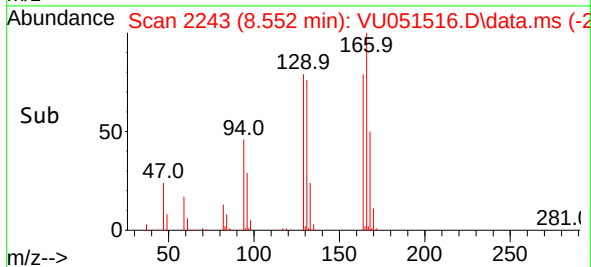
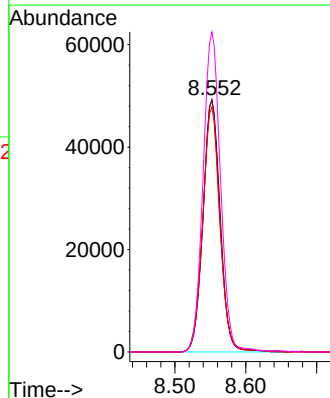
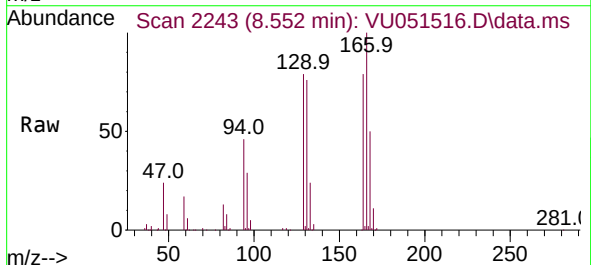
Ion	Ratio	Lower	Upper
97	100		
99	61.0	45.3	84.1
83	88.1	63.1	117.1
85	56.5	41.8	77.6

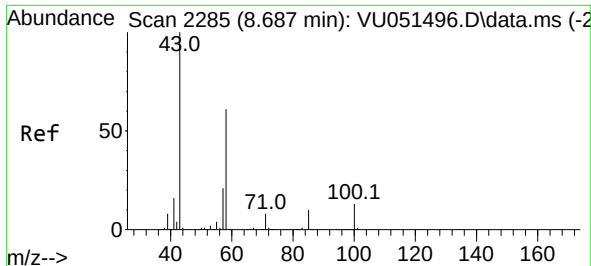


#47
Tetrachloroethene
Concen: 5.087 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 164 Resp: 82791

Ion	Ratio	Lower	Upper
164	100		
129	100.0	71.3	132.3
131	97.1	66.9	124.3
166	127.0	90.9	168.7

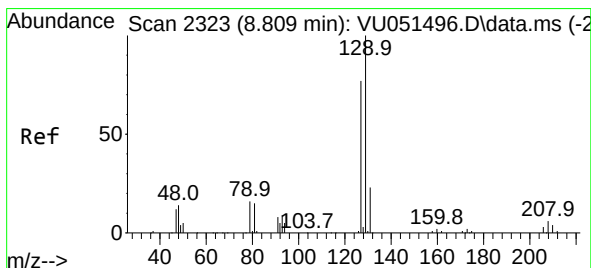
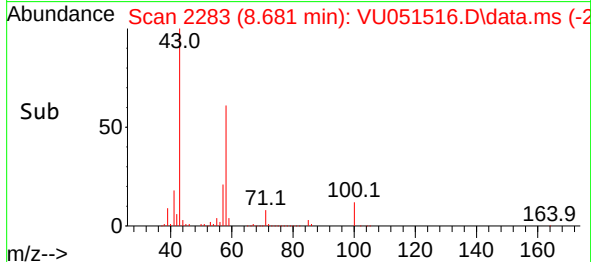
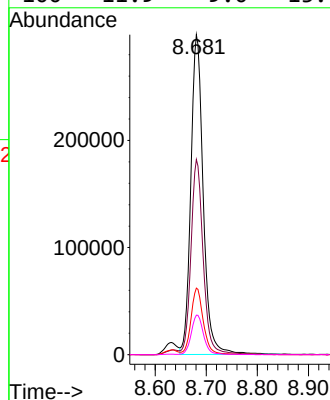
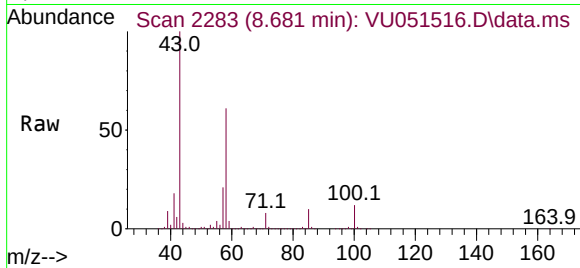




#48
2-Hexanone
Concen: 52.976 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

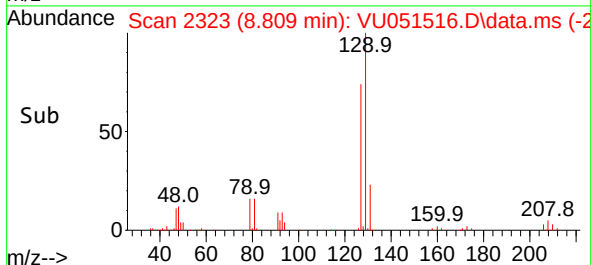
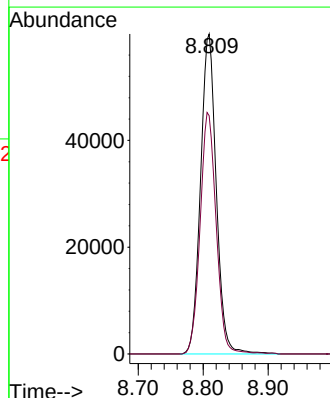
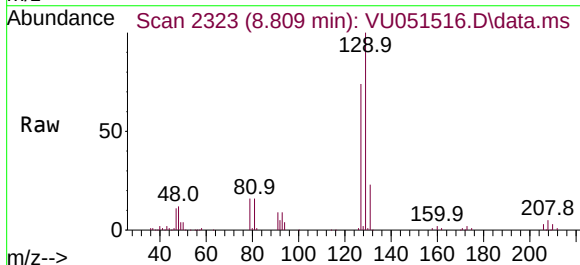
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

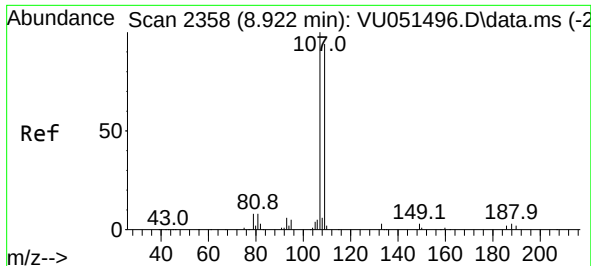
Tgt Ion: 43 Resp: 503339
Ion Ratio Lower Upper
43 100
58 59.6 48.2 72.2
57 20.6 15.5 23.3
100 11.9 9.0 13.4



#49
Dibromochloromethane
Concen: 5.276 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 129 Resp: 101165
Ion Ratio Lower Upper
129 100
127 74.4 53.5 99.3





#50

1,2-Dibromoethane

Concen: 5.375 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VBLK119

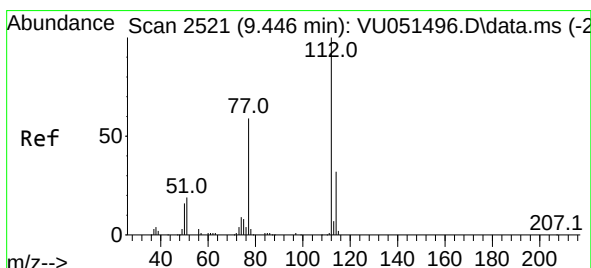
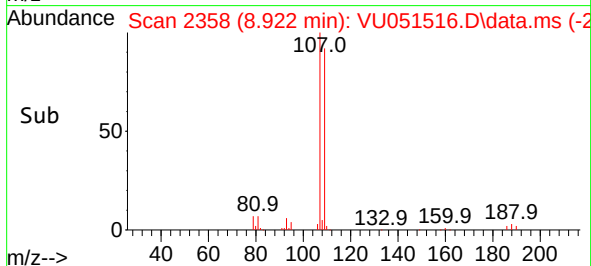
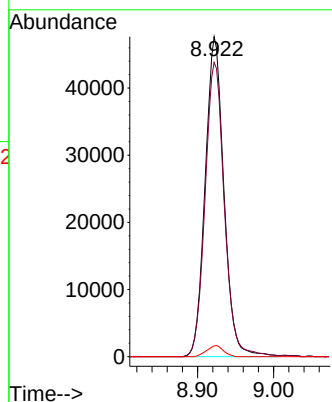
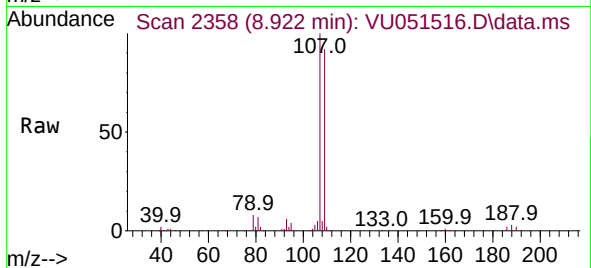
Tgt Ion:107 Resp: 81705

Ion Ratio Lower Upper

107 100

109 92.0 67.1 124.7

188 3.4 2.5 3.7



#51

Chlorobenzene

Concen: 5.225 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

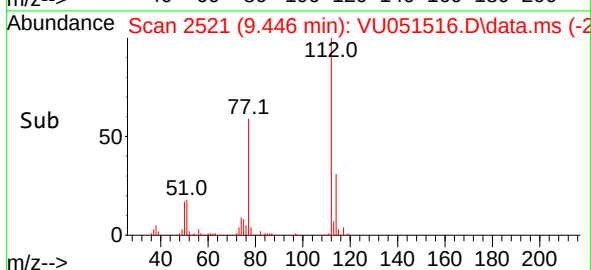
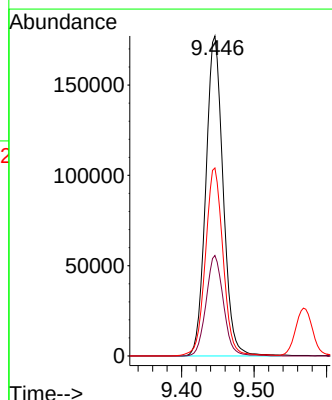
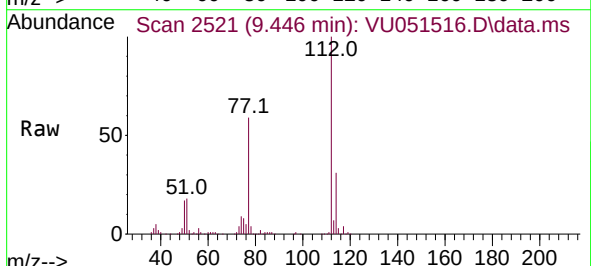
Tgt Ion:112 Resp: 294051

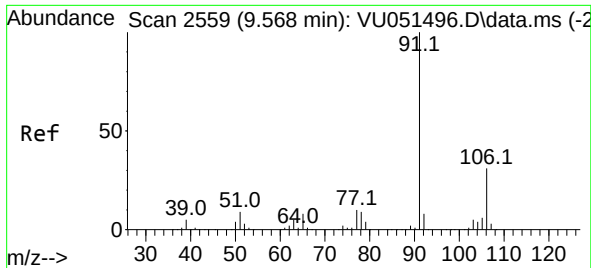
Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.5

77 58.8 48.1 72.1





#52

Ethylbenzene

Concen: 5.282 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

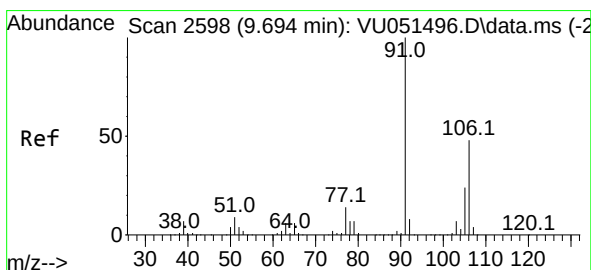
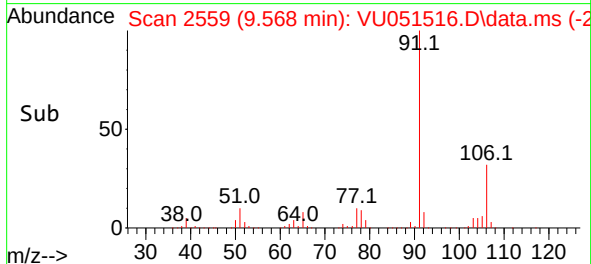
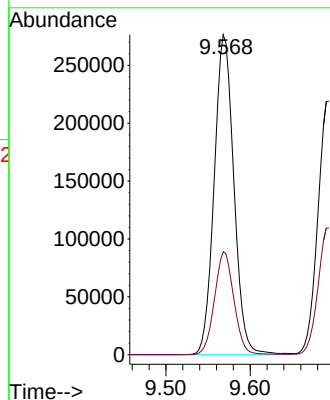
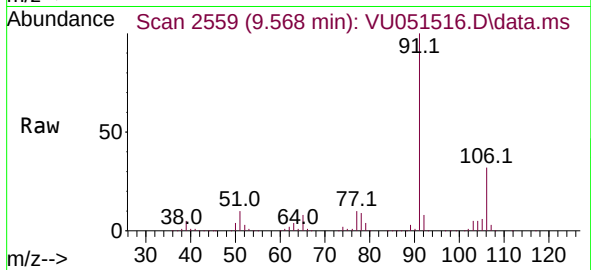
VBLK119

Tgt Ion: 91 Resp: 447068

Ion Ratio Lower Upper

91 100

106 32.2 20.9 38.7



#53

m,p-Xylene

Concen: 5.576 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.003 min

Lab File: VU051516.D

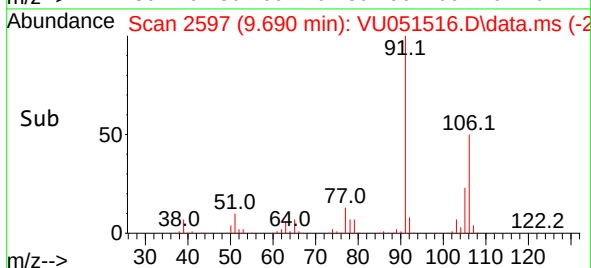
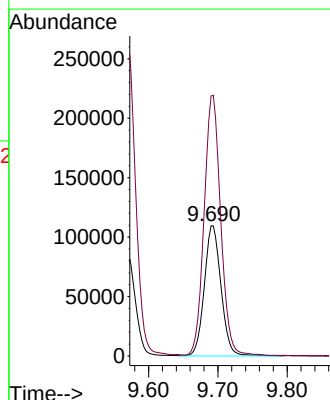
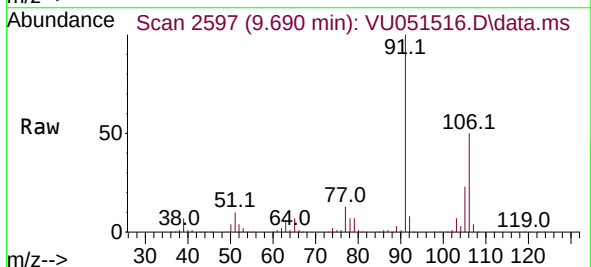
Acq: 26 Oct 2022 20:39

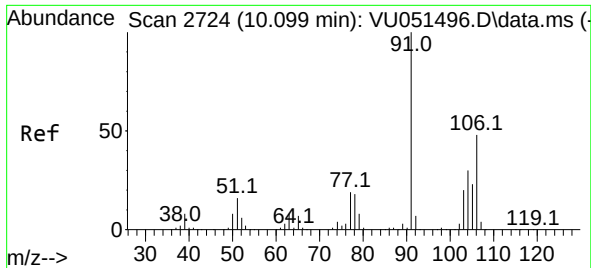
Tgt Ion: 106 Resp: 183056

Ion Ratio Lower Upper

106 100

91 199.9 143.9 267.3

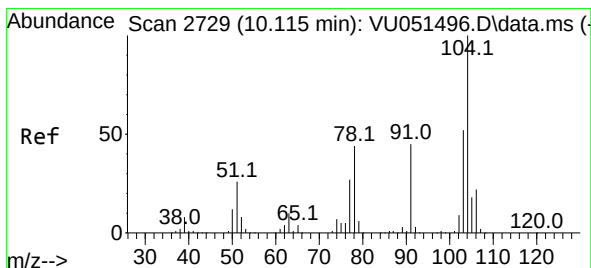
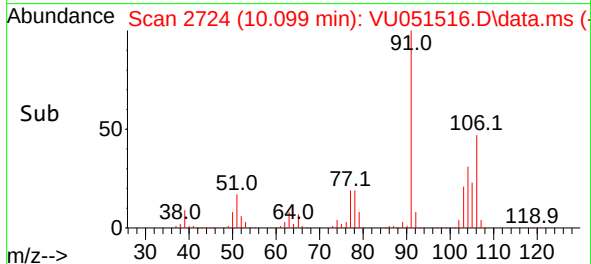
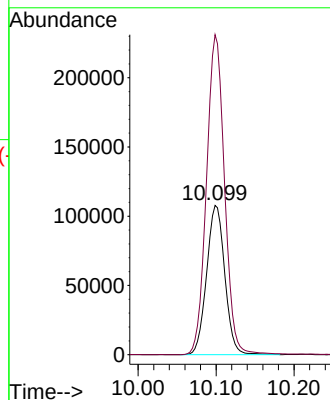
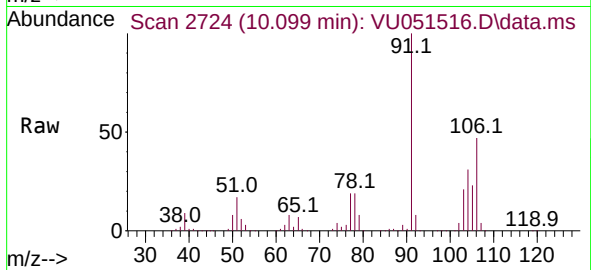




#54
o-Xylene
Concen: 5.630 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

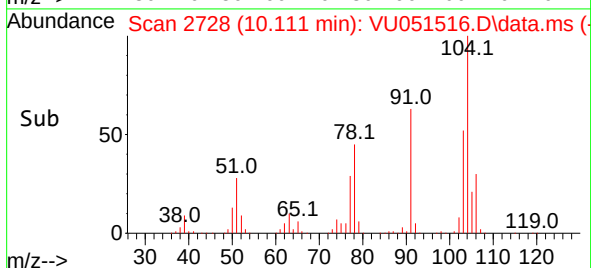
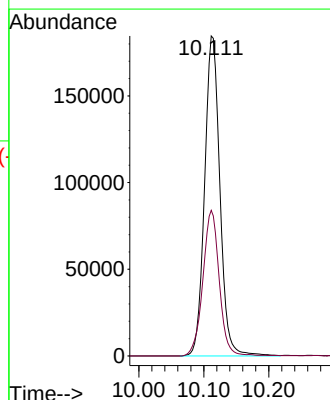
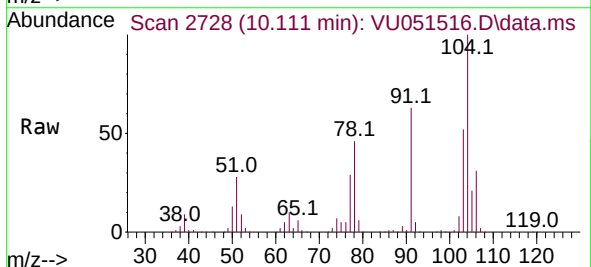
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

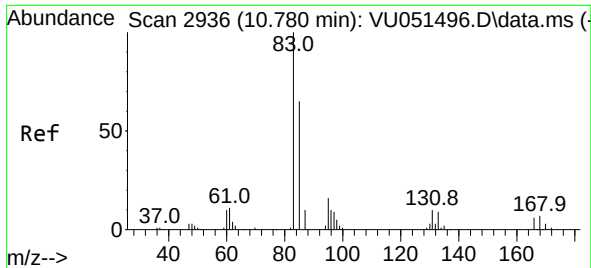
Tgt Ion:106 Resp: 174889
Ion Ratio Lower Upper
106 100
91 214.3 154.4 286.8



#55
Styrene
Concen: 5.682 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion:104 Resp: 303834
Ion Ratio Lower Upper
104 100
78 45.5 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.306 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VBLK119

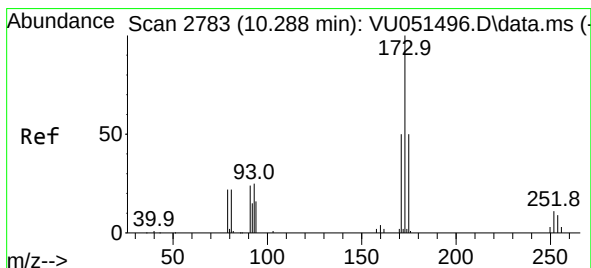
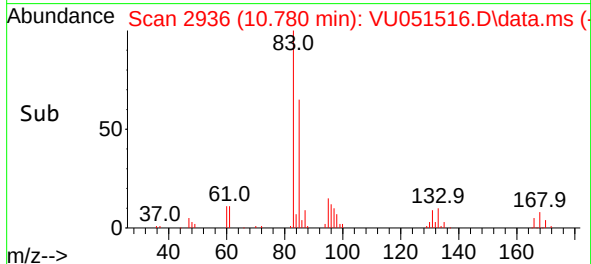
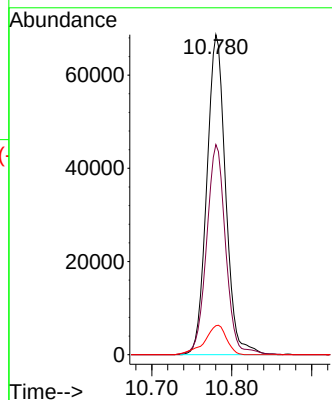
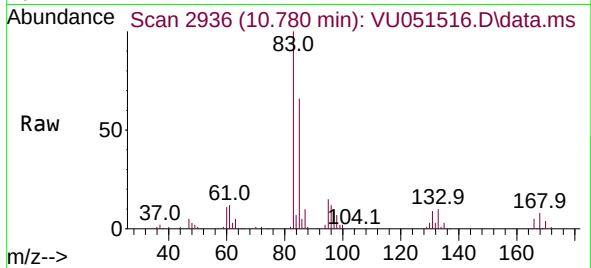
Tgt Ion: 83 Resp: 112168

Ion Ratio Lower Upper

83 100

85 65.7 45.9 85.3

131 9.1 7.4 11.2



#59

Bromoform

Concen: 5.038 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

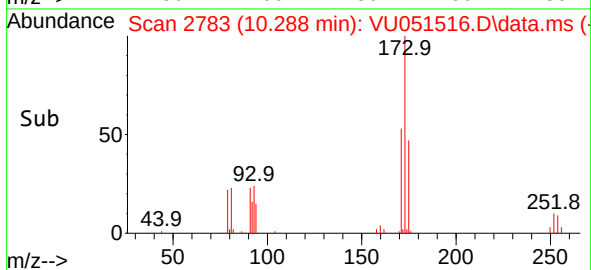
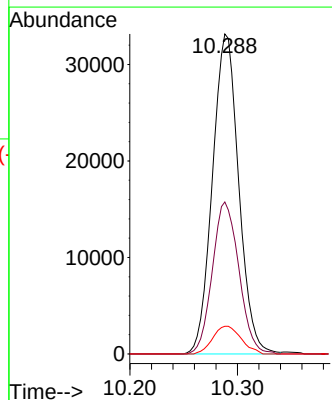
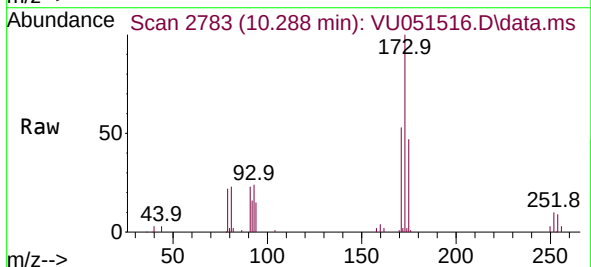
Tgt Ion:173 Resp: 56278

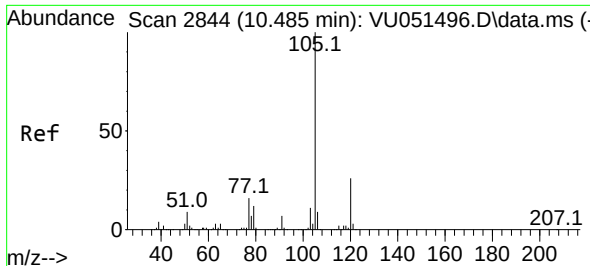
Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.4

254 9.4 7.5 11.3

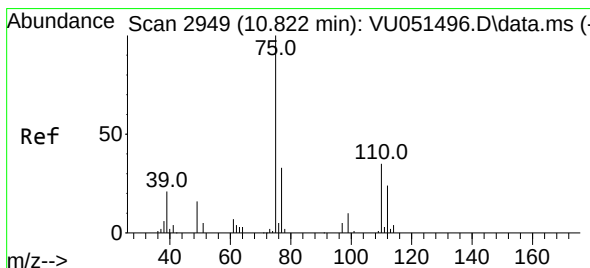
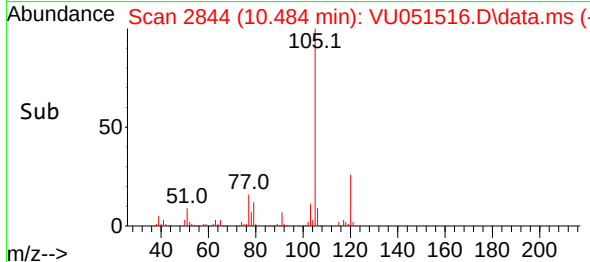
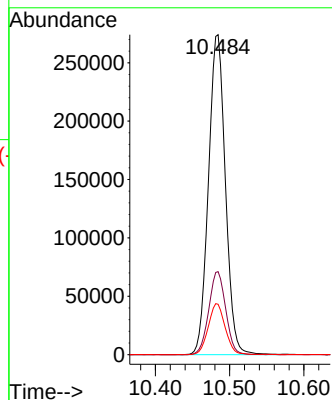
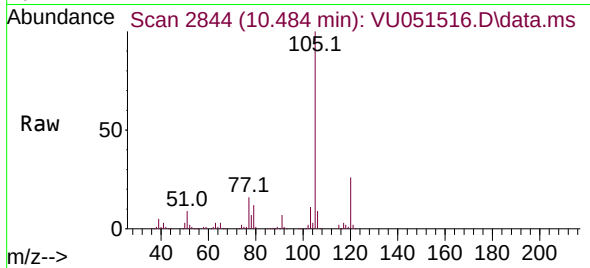




#60
Isopropylbenzene
Concen: 5.096 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

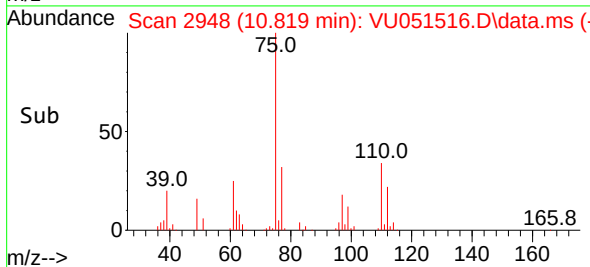
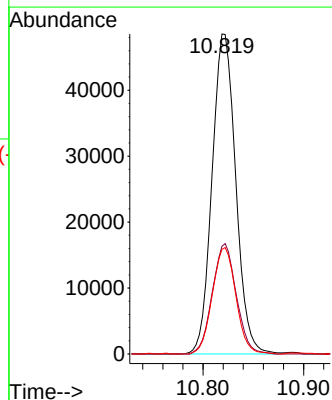
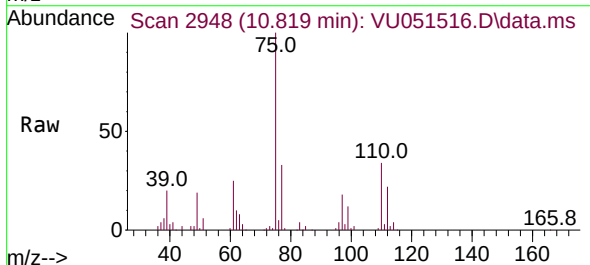
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

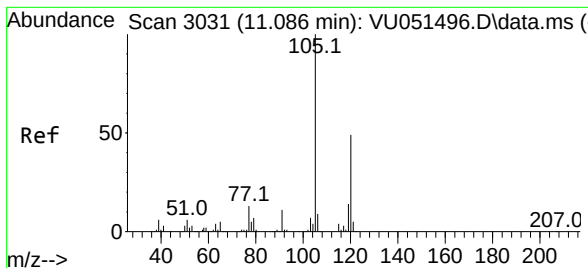
Tgt Ion:105 Resp: 433422
Ion Ratio Lower Upper
105 100
120 26.0 20.6 30.8
77 16.0 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 4.689 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion: 75 Resp: 79497
Ion Ratio Lower Upper
75 100
110 34.9 27.0 40.6
77 33.0 26.4 39.6





#62

1,3,5-Trimethylbenzene

Concen: 4.750 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

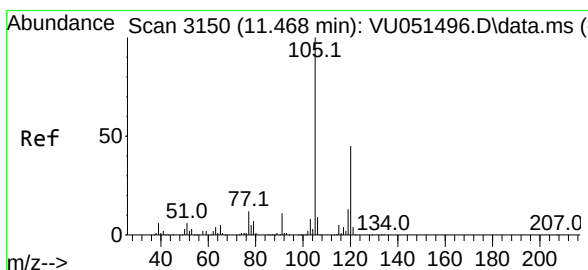
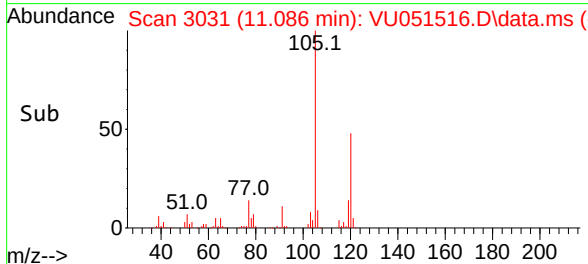
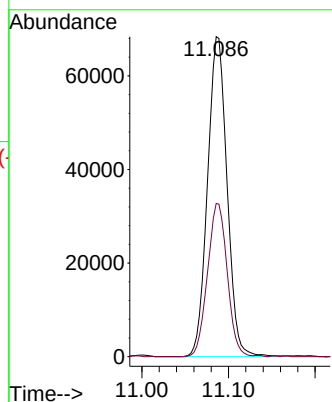
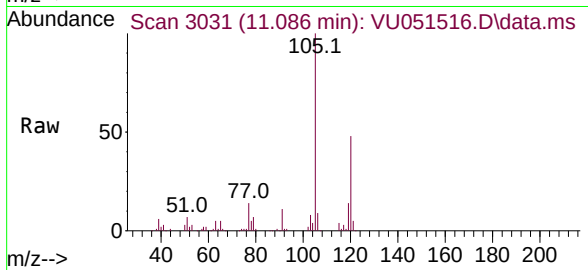
VBLK119

Tgt Ion:105 Resp: 107171

Ion Ratio Lower Upper

105 100

120 48.2 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 4.912 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU051516.D

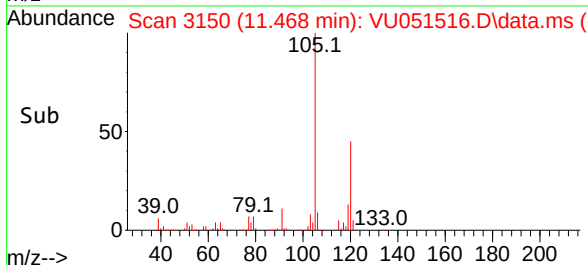
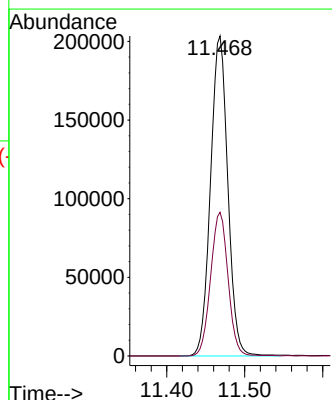
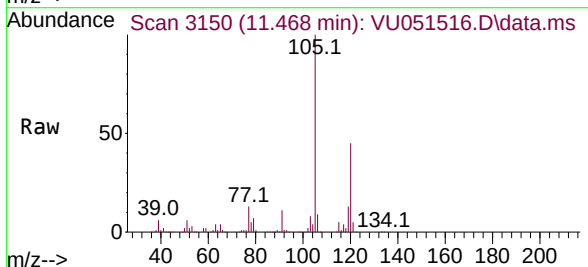
Acq: 26 Oct 2022 20:39

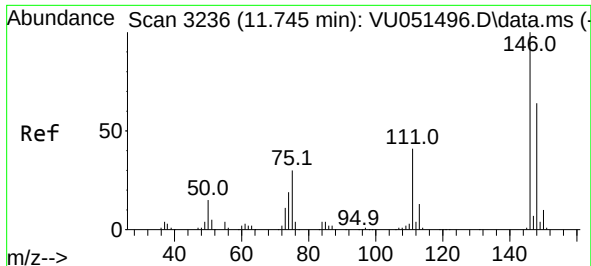
Tgt Ion:105 Resp: 313427

Ion Ratio Lower Upper

105 100

120 45.1 35.6 53.4

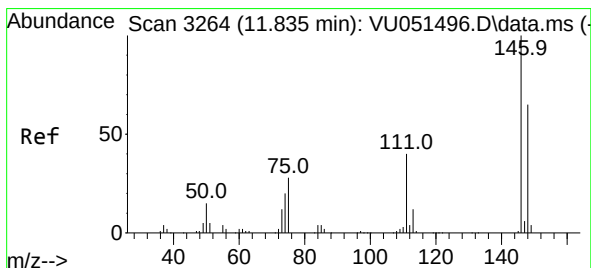
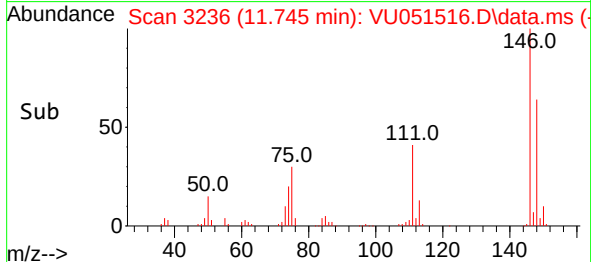
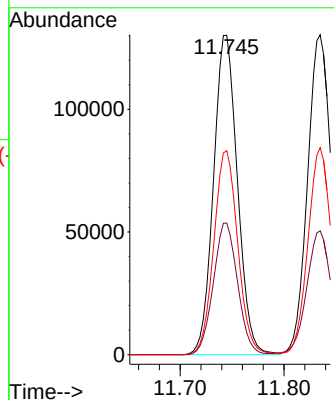
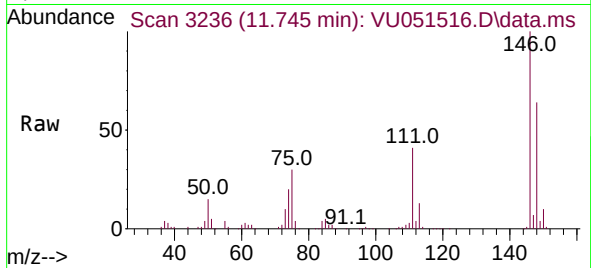




#64
1,3-Dichlorobenzene
Concen: 4.956 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

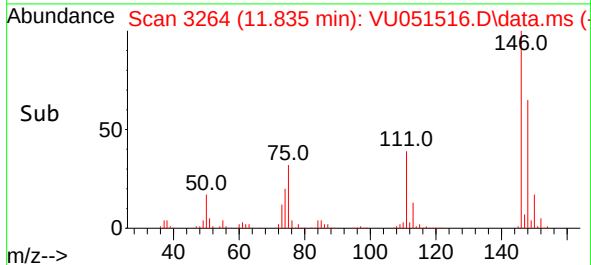
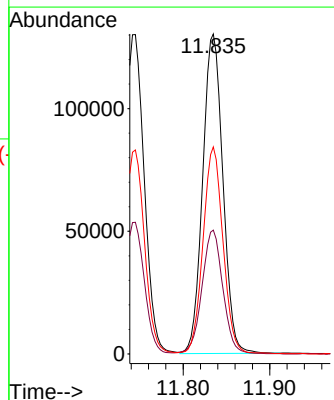
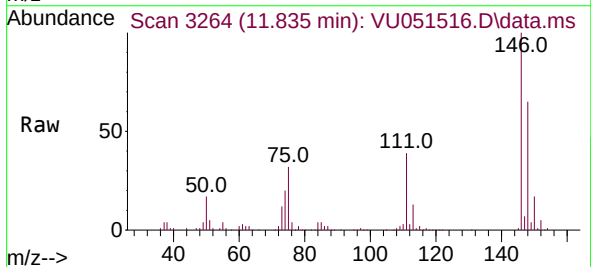
Instrument :
MSVOA_U
ClientSampleId :
VBLK119

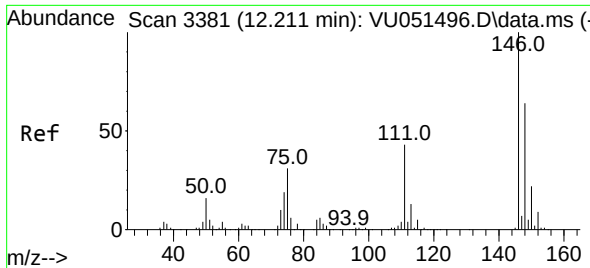
Tgt Ion:146 Resp: 208493
Ion Ratio Lower Upper
146 100
111 41.2 28.3 52.7
148 63.9 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 5.072 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion:146 Resp: 210315
Ion Ratio Lower Upper
146 100
111 38.7 29.1 54.1
148 64.7 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 4.940 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VBLK119

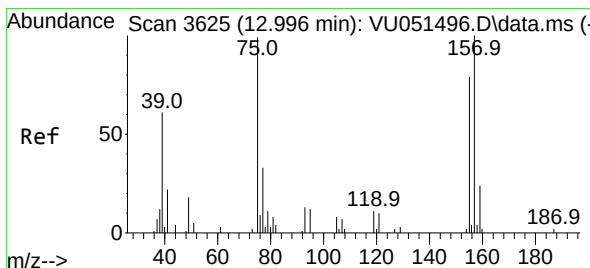
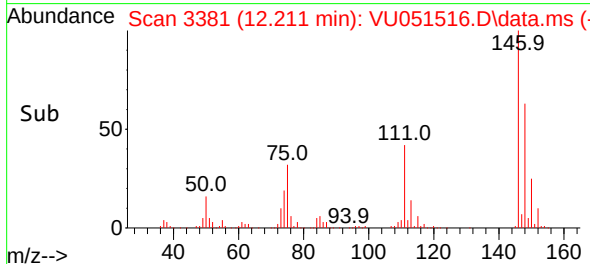
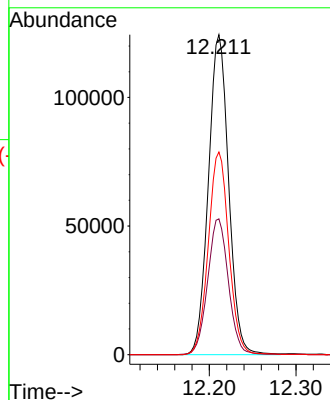
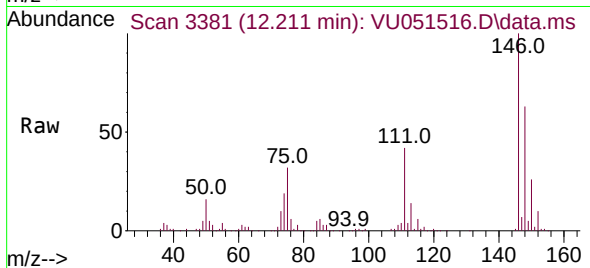
Tgt Ion:146 Resp: 202025

Ion Ratio Lower Upper

146 100

111 42.4 35.5 53.3

148 63.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.226 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU051516.D

Acq: 26 Oct 2022 20:39

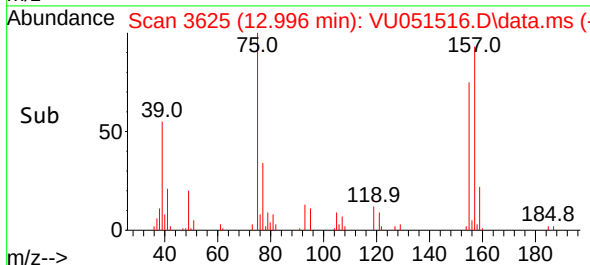
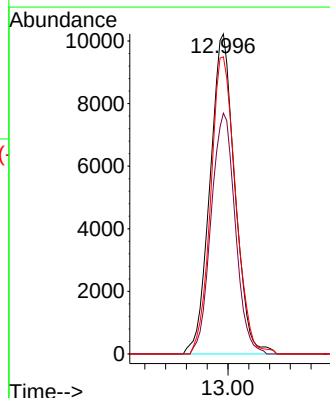
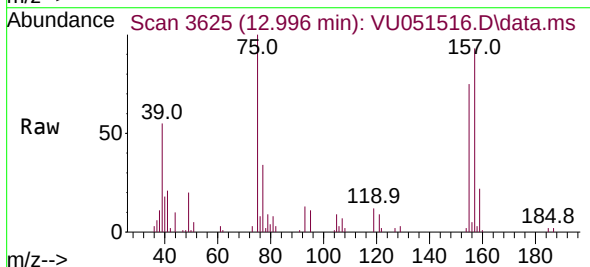
Tgt Ion: 75 Resp: 16951

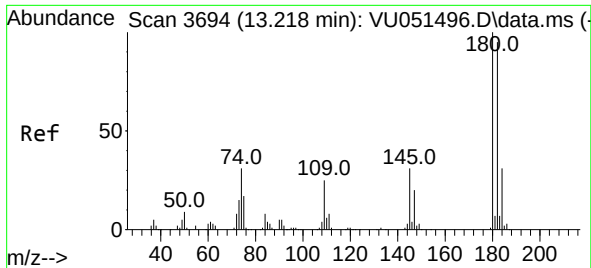
Ion Ratio Lower Upper

75 100

155 75.2 62.7 94.1

157 92.9 78.3 117.5

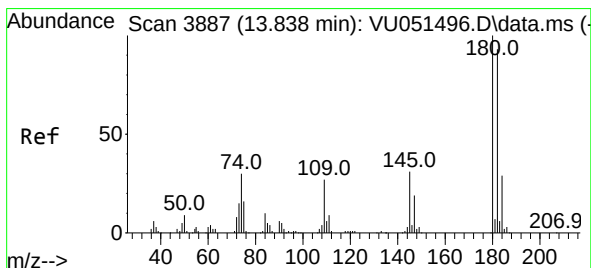
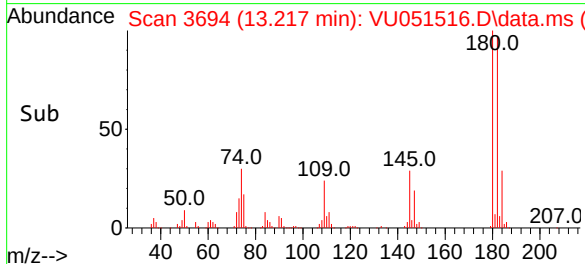
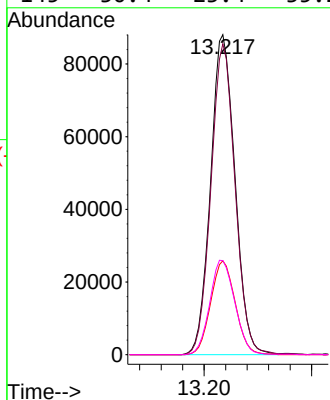
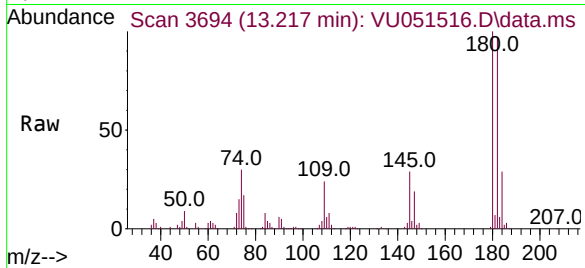




#69
 1,3,5-Trichlorobenzene
 Concen: 4.782 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051516.D
 Acq: 26 Oct 2022 20:39

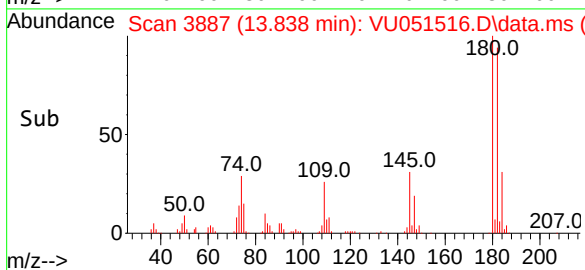
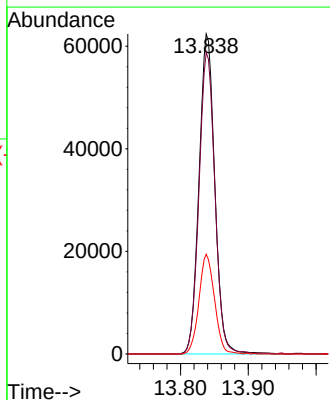
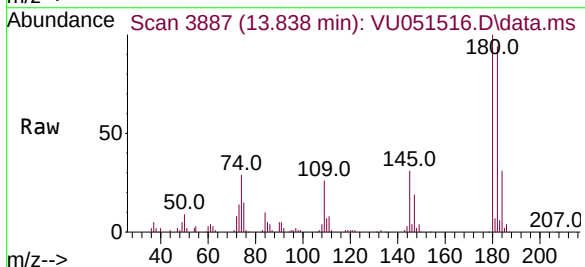
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK119

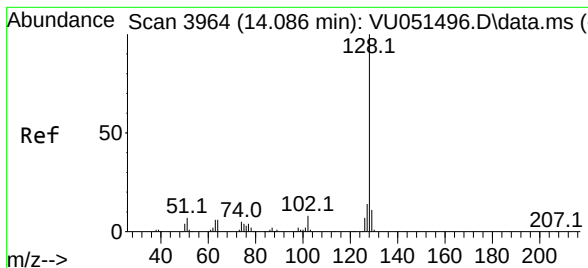
Tgt Ion:180 Resp: 138678
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.7 116.5
 184 29.5 23.6 35.4
 145 30.4 23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.884 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051516.D
 Acq: 26 Oct 2022 20:39

Tgt Ion:180 Resp: 100662
 Ion Ratio Lower Upper
 180 100
 182 94.9 78.7 118.1
 145 30.7 25.0 37.4

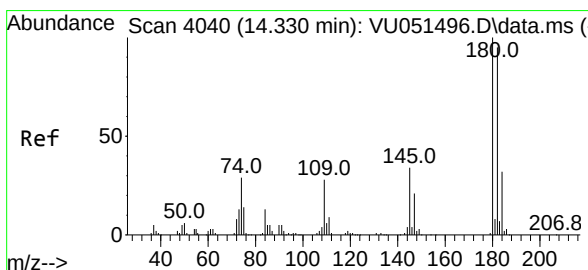
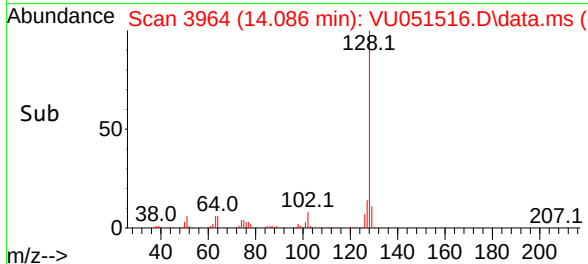
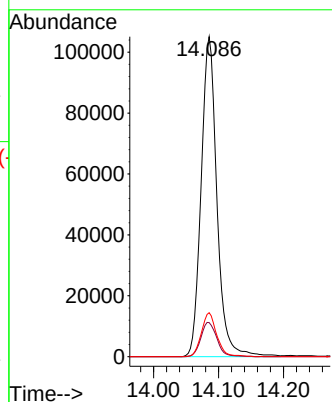
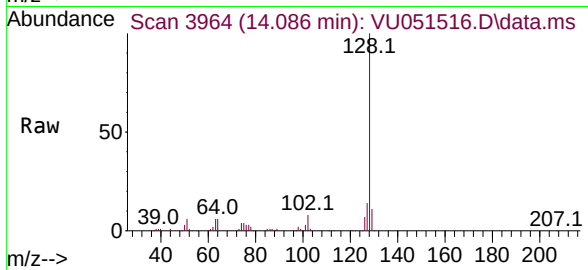




#71
Naphthalene
Concen: 4.654 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Instrument :
MSVOA_U
ClientSampleId :
VBLK119

Tgt Ion:128 Resp: 178291
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.3 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 4.901 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VU051516.D
Acq: 26 Oct 2022 20:39

Tgt Ion:180 Resp: 104492
Ion Ratio Lower Upper
180 100
182 97.2 76.6 114.8
145 32.8 25.8 38.8

