

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101222\
 Data File : VU051402.D
 Acq On : 12 Oct 2022 21:49
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 13 19:23:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 13 01:37:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	191313	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	206557	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	97383	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	88602	5.741	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.800%
7) Chloroethane-d5	1.909	69	65342	4.928	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.562	65	31692	5.195	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.000%
20) 2-Butanone-d5	4.636	46	168447	49.578	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.160%
24) Chloroform-d	5.060	84	140001	4.866	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.700	65	71052	4.789	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.726	84	265216	4.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.690	67	87088	4.513	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.896	98	241148	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.179	79	30118	4.750	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.632	63	103763	48.559	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.120%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	71805	4.658	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	70339	4.156	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	77877	4.990	ug/L	97
3) Chloromethane	1.520	50	108576	4.955	ug/L	98
5) Vinyl chloride	1.600	62	100909	4.695	ug/L	98
6) Bromomethane	1.854	94	57956	4.952	ug/L	100
8) Chloroethane	1.932	64	65855	4.804	ug/L	99
9) Trichlorofluoromethane	2.134	101	109525	4.421	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	75423	5.072	ug/L	100
12) 1,1-Dichloroethene	2.578	96	70625	5.062	ug/L	92
13) Acetone	2.652	43	160701	63.062	ug/L	100
14) Carbon disulfide	2.790	76	212423	4.971	ug/L	98
15) Methyl Acetate	2.960	43	36351	5.868	ug/L	93
16) Methylene chloride	3.041	84	125563	6.095	ug/L	98
17) Methyl tert-butyl Ether	3.366	73	172829	5.408	ug/L	98
18) trans-1,2-Dichloroethene	3.349	96	74918	5.104	ug/L	99
19) 1,1-Dichloroethane	3.867	63	168606	5.567	ug/L	100
21) 2-Butanone	4.716	43	244885	60.976	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	82469	5.072	ug/L	97
23) Bromochloromethane	4.970	128	44344	5.716	ug/L	99
25) Chloroform	5.086	83	175730	5.555	ug/L	98

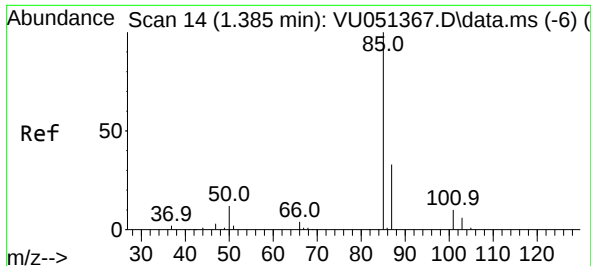
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101222\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 13 01:37:29 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	107474	5.671	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	130972	5.292	ug/L	98
30) Cyclohexane	5.388	56	89040	4.242	ug/L	98
31) Carbon tetrachloride	5.520	117	106293	5.075	ug/L	99
33) Benzene	5.771	78	363165	5.266	ug/L	100
34) Trichloroethene	6.539	95	85740	4.984	ug/L	97
35) Methylcyclohexane	6.761	83	90496	4.170	ug/L	97
37) 1,2-Dichloropropane	6.790	63	104210	5.514	ug/L	98
38) Bromodichloromethane	7.105	83	122573	5.436	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	110877	4.881	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	594112	59.914	ug/L	99
42) Toluene	7.967	91	378934	5.177	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	103331	5.260	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	75500	5.689	ug/L	98
47) Tetrachloroethene	8.552	164	60143	4.755	ug/L	96
48) 2-Hexanone	8.684	43	469120	63.538	ug/L	97
49) Dibromochloromethane	8.809	129	82883	5.562	ug/L	100
50) 1,2-Dibromoethane	8.922	107	67876	5.746	ug/L	97
51) Chlorobenzene	9.446	112	228000	5.213	ug/L	99
52) Ethylbenzene	9.568	91	319571	4.858	ug/L	99
53) m,p-Xylene	9.693	106	123777	4.852	ug/L	98
54) o-Xylene	10.098	106	120609	4.997	ug/L	100
55) Styrene	10.111	104	215925	5.197	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	95714	5.827	ug/L	97
59) Bromoform	10.288	173	45090	5.566	ug/L	99
60) Isopropylbenzene	10.481	105	305034	4.945	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	69102	5.619	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	72802	4.449	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	202577	4.378	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	155504	5.097	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	153799	5.114	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	152618	5.146	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	14229	6.049	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	101038	4.804	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	72165	4.828	ug/L	96
71) Naphthalene	14.085	128	120417	4.334	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	72965	4.719	ug/L	98

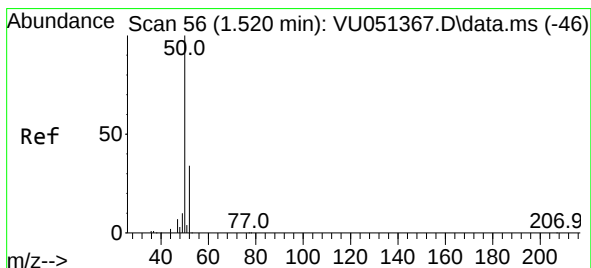
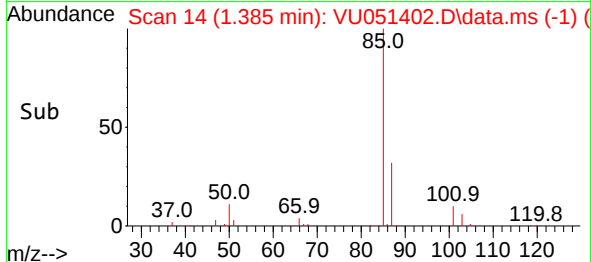
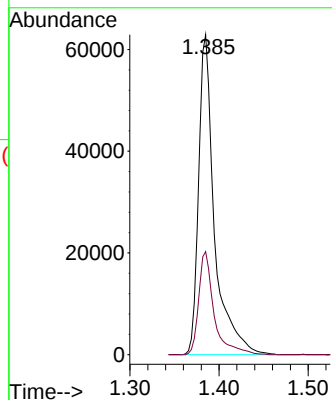
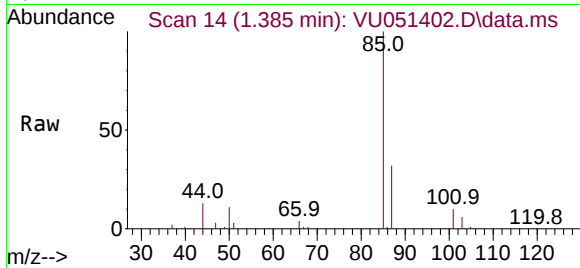
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.990 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

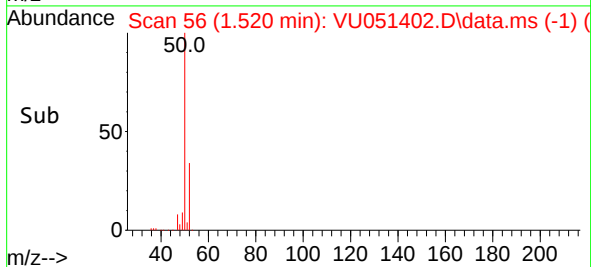
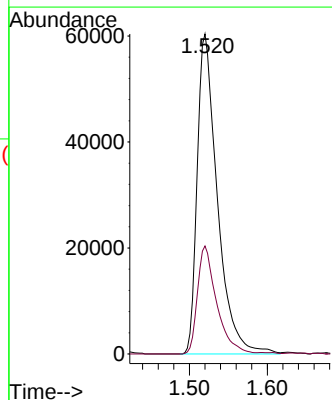
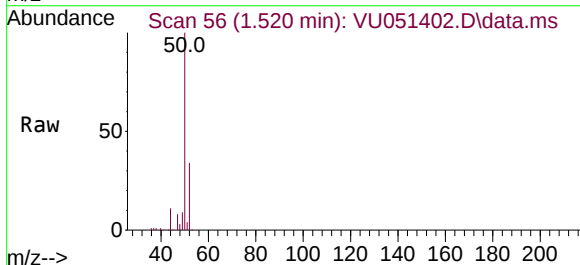
Instrument :
MSVOA_U
ClientSampleId :

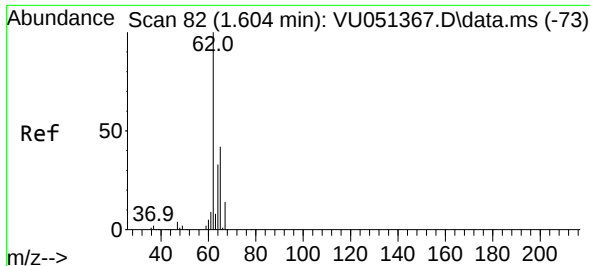
Tgt Ion: 85 Resp: 77877
Ion Ratio Lower Upper
85 100
87 31.3 26.2 39.4



#3
Chloromethane
Concen: 4.955 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion: 50 Resp: 108576
Ion Ratio Lower Upper
50 100
52 33.8 22.9 42.5

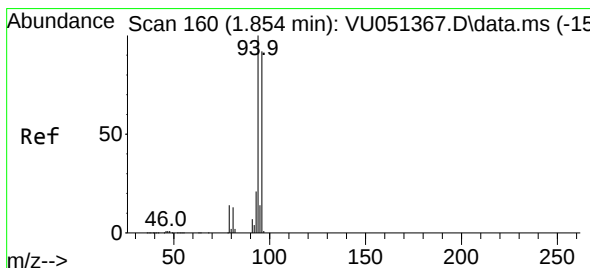
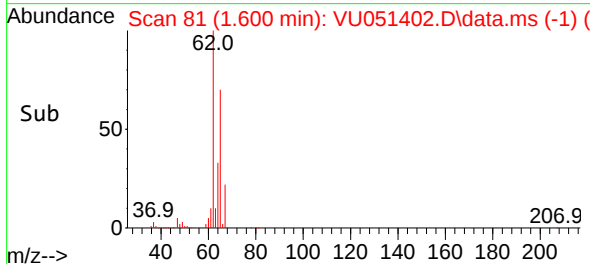
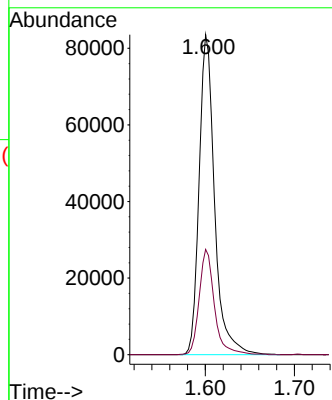
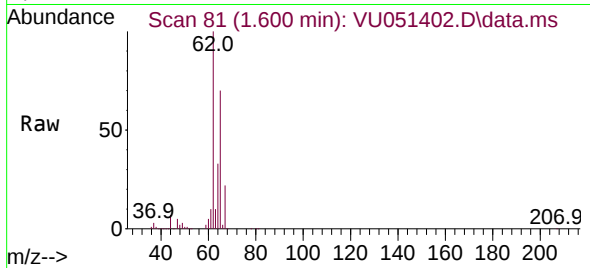




#5
 Vinyl chloride
 Concen: 4.695 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

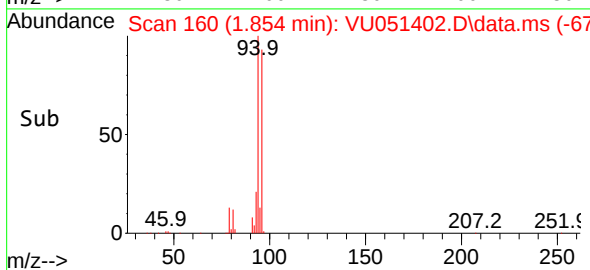
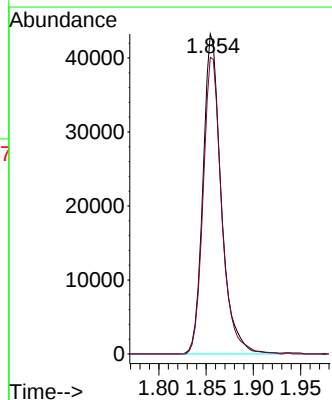
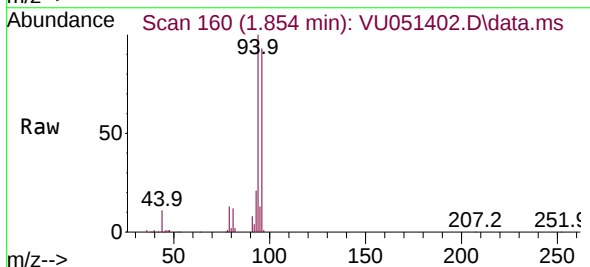
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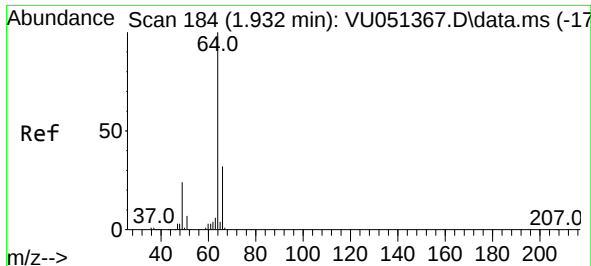
Tgt Ion: 62 Resp: 100909
 Ion Ratio Lower Upper
 62 100
 64 32.9 24.0 44.6



#6
 Bromomethane
 Concen: 4.952 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

Tgt Ion: 94 Resp: 57956
 Ion Ratio Lower Upper
 94 100
 96 92.7 64.9 120.5

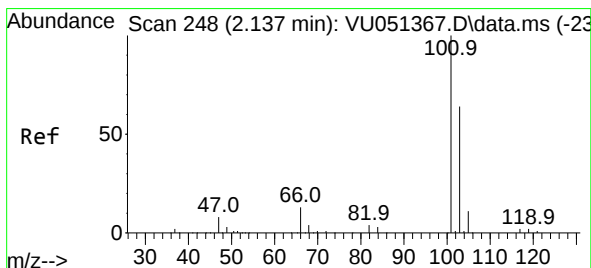
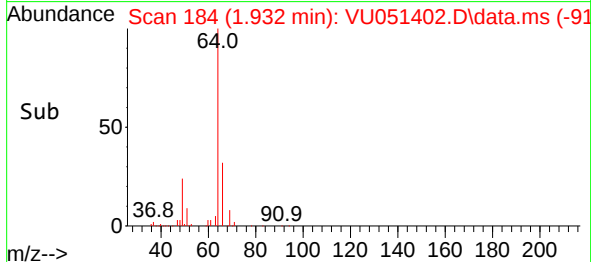
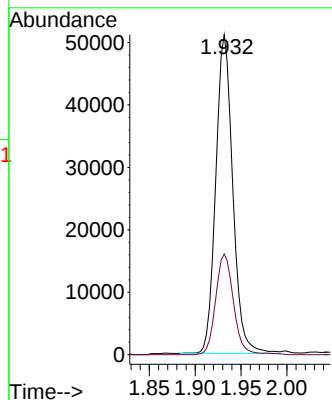
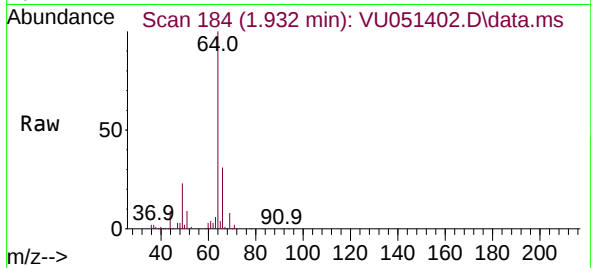




#8
Chloroethane
Concen: 4.804 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

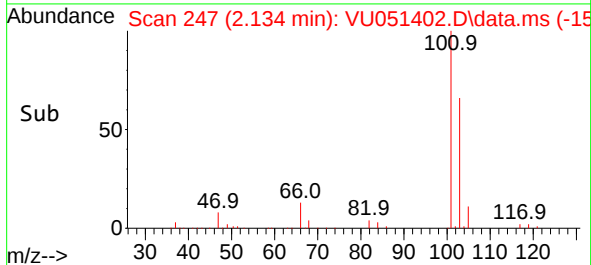
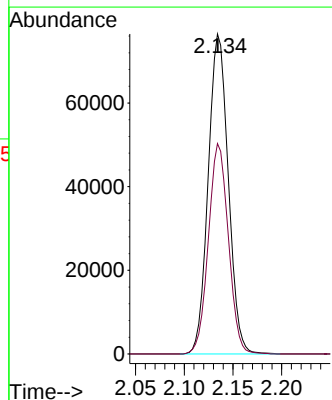
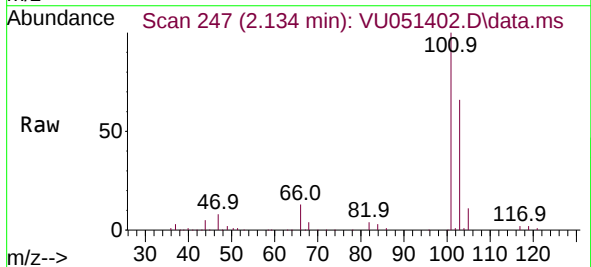
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ClientSampleId :

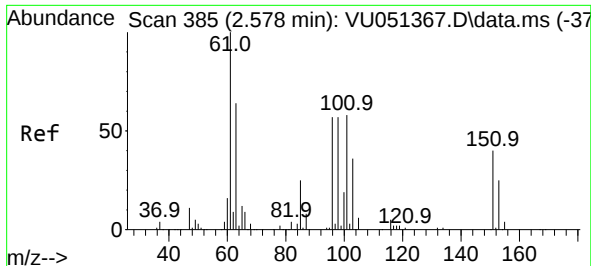
Tgt Ion: 64 Resp: 65855
Ion Ratio Lower Upper
64 100
66 31.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.421 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion: 101 Resp: 109525
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2

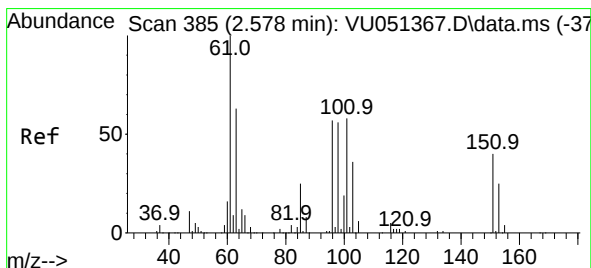
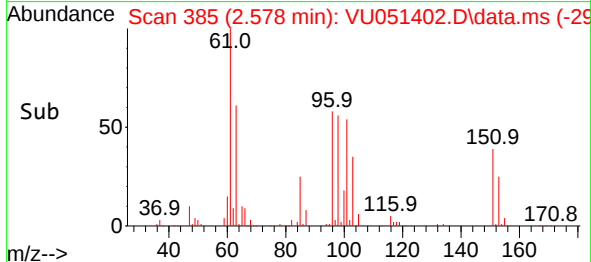
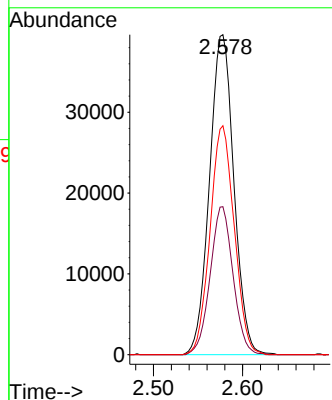
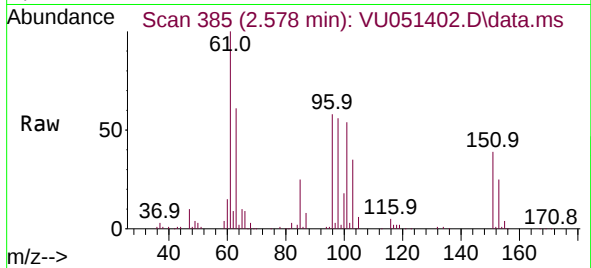




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.072 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

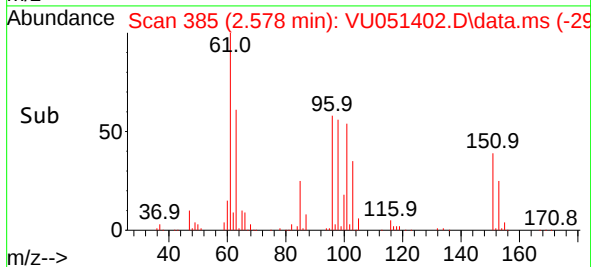
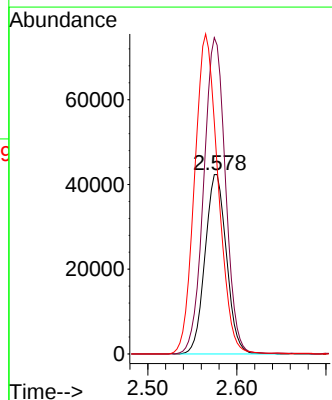
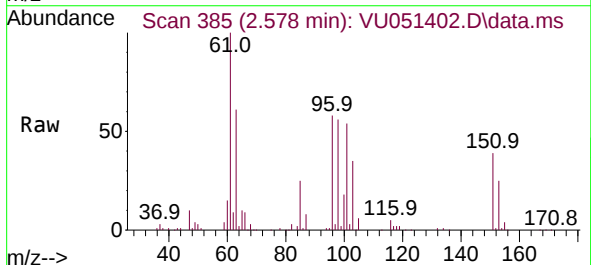
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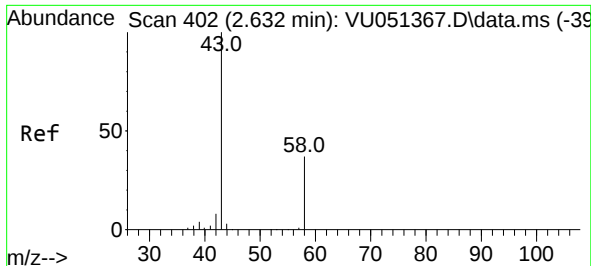
Tgt Ion:101 Resp: 75423
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.6 51.8
 151 70.9 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 5.062 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

Tgt Ion: 96 Resp: 70625
 Ion Ratio Lower Upper
 96 100
 61 172.1 117.6 218.4
 63 104.2 85.2 158.2





#13

Acetone

Concen: 63.062 ug/L

RT: 2.652 min Scan# 408

Delta R.T. 0.026 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

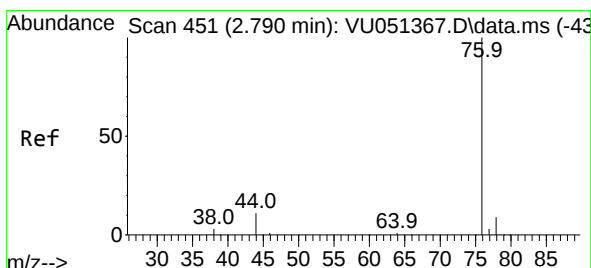
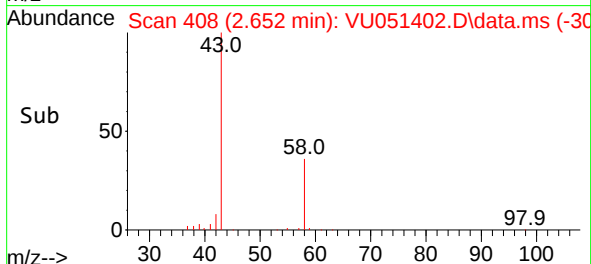
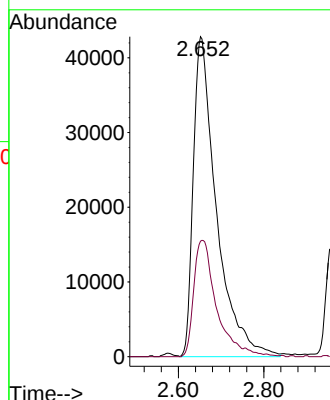
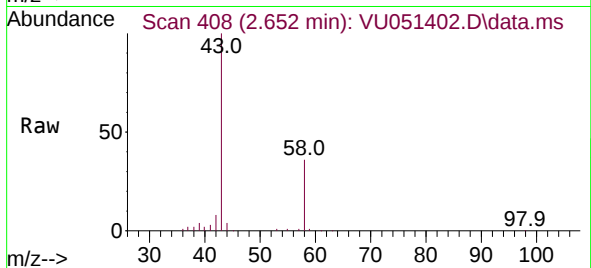
ClientSampleId :

Tgt Ion: 43 Resp: 160701

Ion Ratio Lower Upper

43 100

58 34.6 0.0 68.8



#14

Carbon disulfide

Concen: 4.971 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051402.D

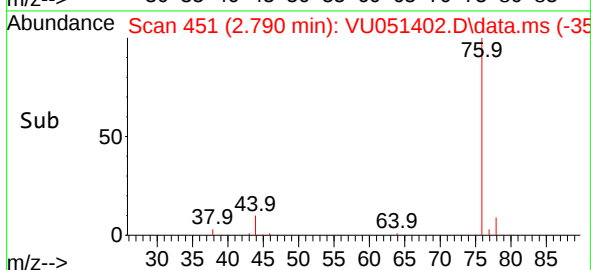
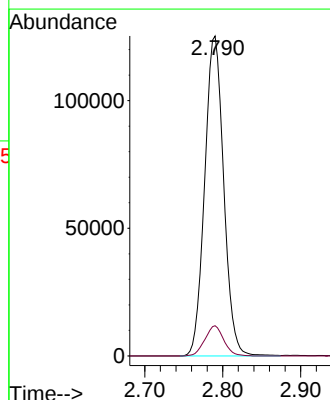
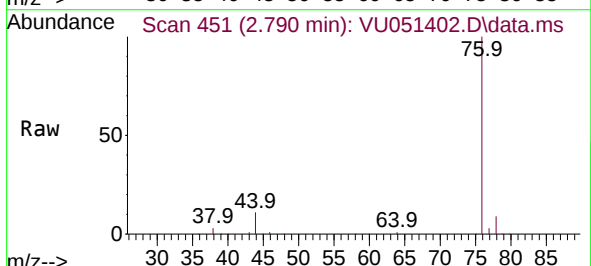
Acq: 12 Oct 2022 21:49

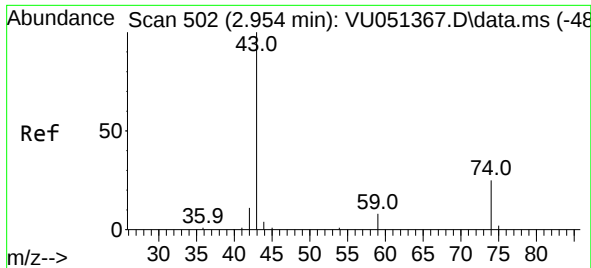
Tgt Ion: 76 Resp: 212423

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4

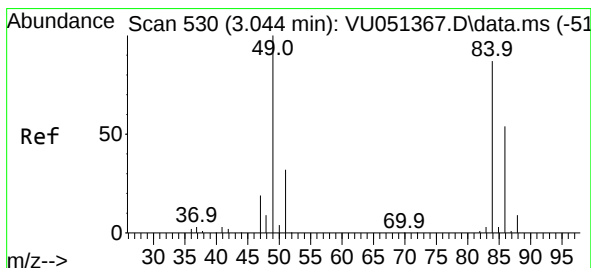
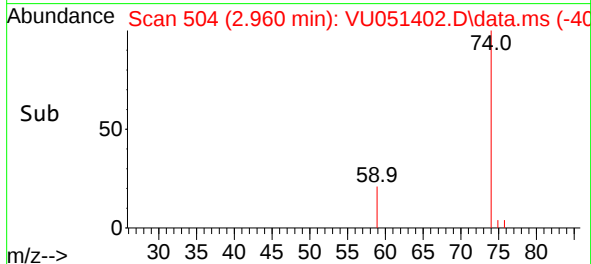
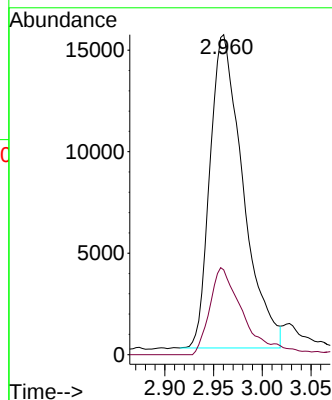
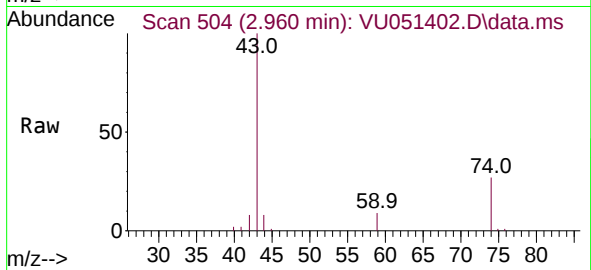




#15
Methyl Acetate
Concen: 5.868 ug/L
RT: 2.960 min Scan# 502
Delta R.T. 0.010 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

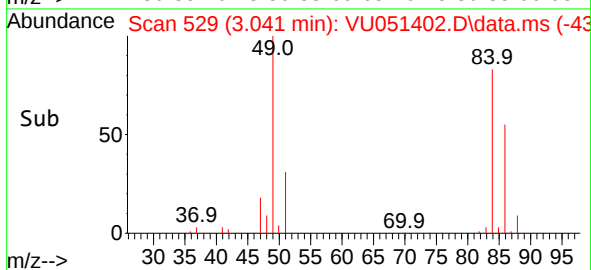
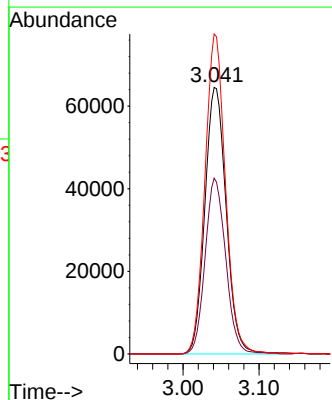
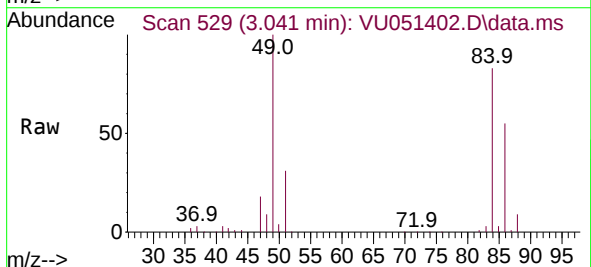
Instrument :
MSVOA_U
ClientSampleId :

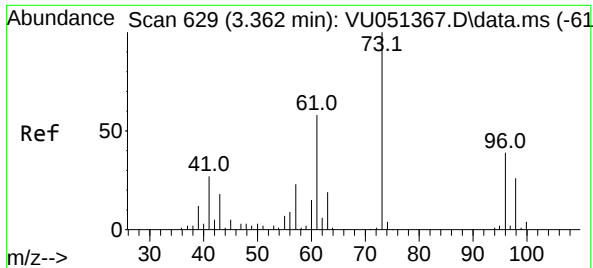
Tgt Ion: 43 Resp: 36351
Ion Ratio Lower Upper
43 100
74 28.6 20.0 30.0



#16
Methylene chloride
Concen: 6.095 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion: 84 Resp: 125563
Ion Ratio Lower Upper
84 100
86 66.0 46.5 86.3
49 120.0 81.3 151.1

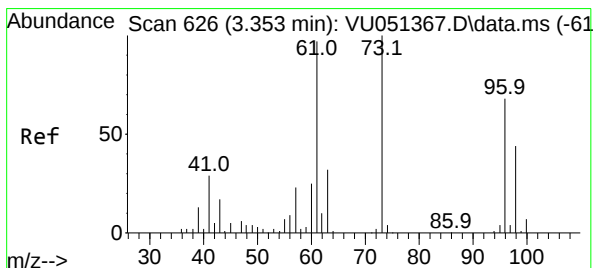
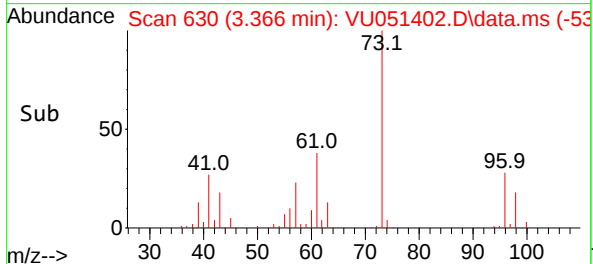
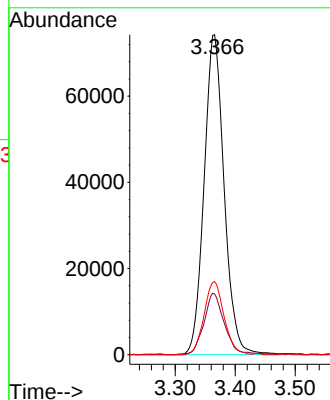
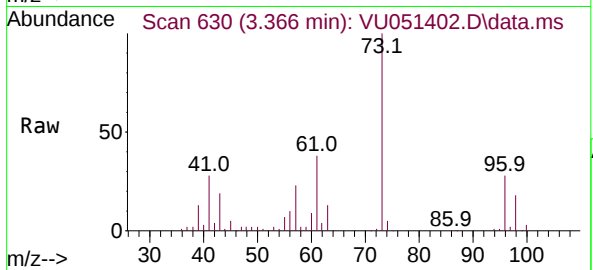




#17
Methyl tert-butyl Ether
Concen: 5.408 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

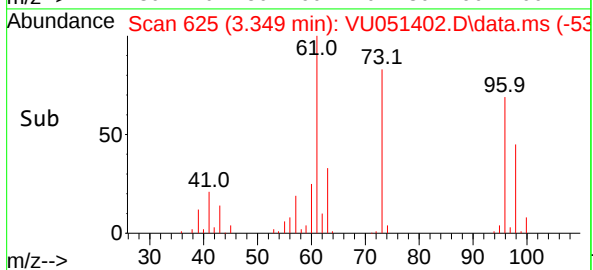
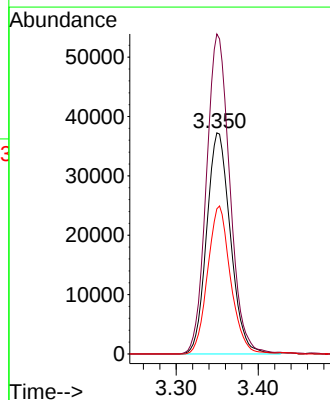
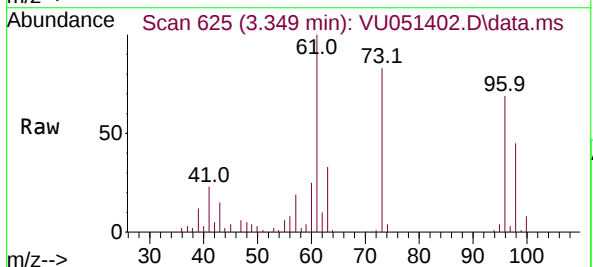
Instrument :
MSVOA_U
ClientSampleId :

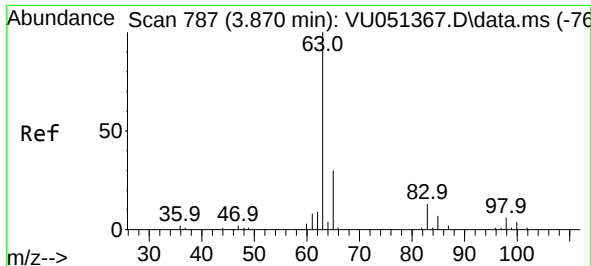
Tgt Ion: 73 Resp: 172829
Ion Ratio Lower Upper
73 100
43 19.9 15.4 23.0
57 22.7 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.104 ug/L
RT: 3.349 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion: 96 Resp: 74918
Ion Ratio Lower Upper
96 100
61 144.7 101.4 188.2
98 65.6 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.567 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

ClientSampleId :

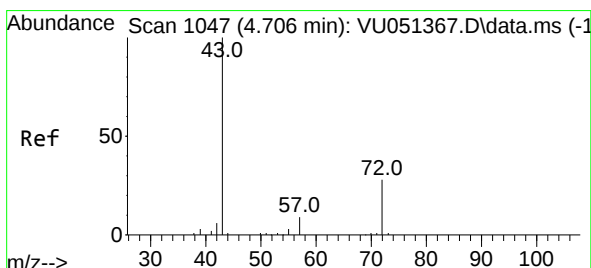
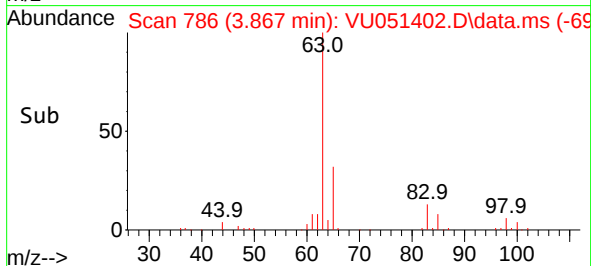
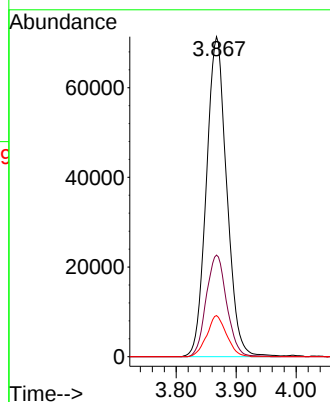
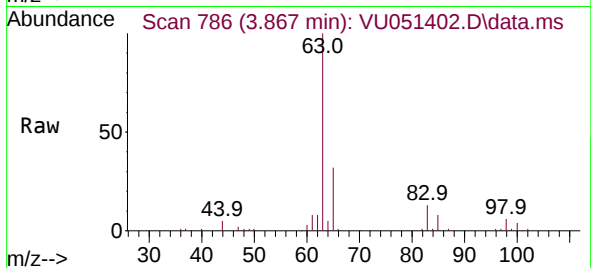
Tgt Ion: 63 Resp: 168606

Ion Ratio Lower Upper

63 100

65 31.7 22.0 41.0

83 12.9 9.0 16.6



#21

2-Butanone

Concen: 60.976 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.013 min

Lab File: VU051402.D

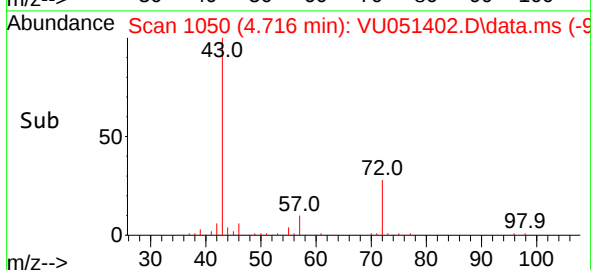
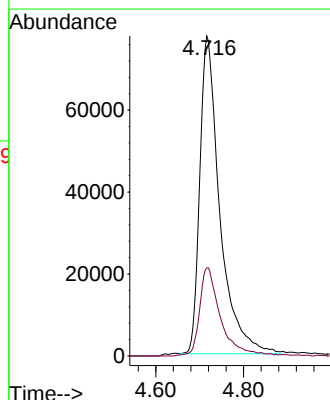
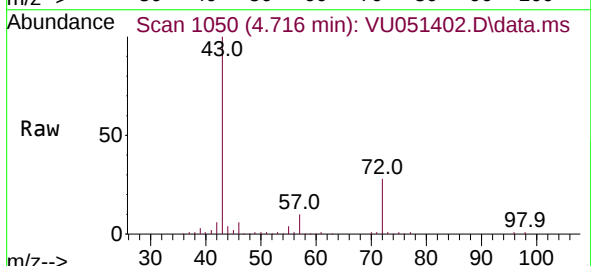
Acq: 12 Oct 2022 21:49

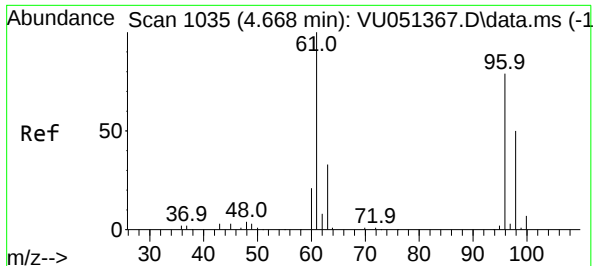
Tgt Ion: 43 Resp: 244885

Ion Ratio Lower Upper

43 100

72 28.4 13.8 41.4

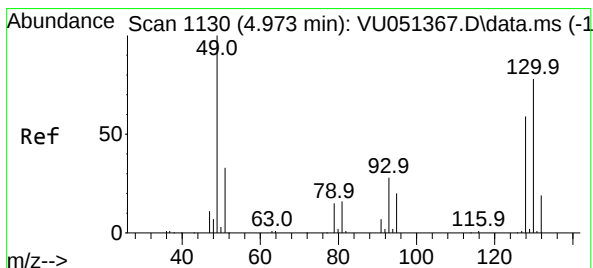
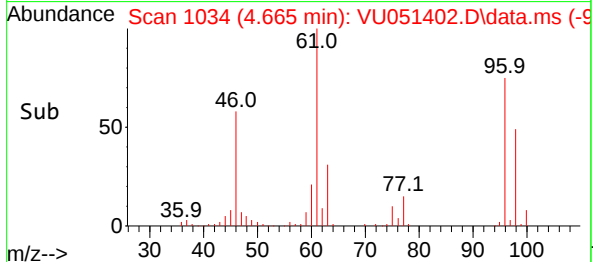
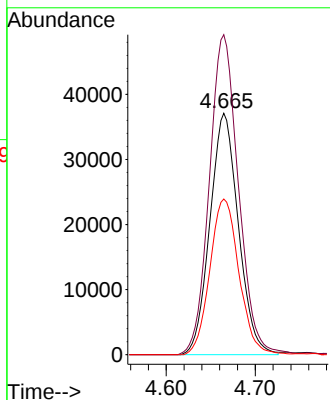
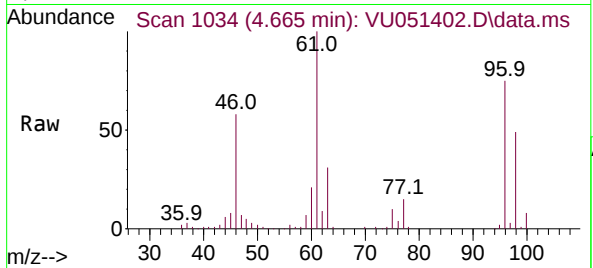




#22
 cis-1,2-Dichloroethene
 Concen: 5.072 ug/L
 RT: 4.665 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

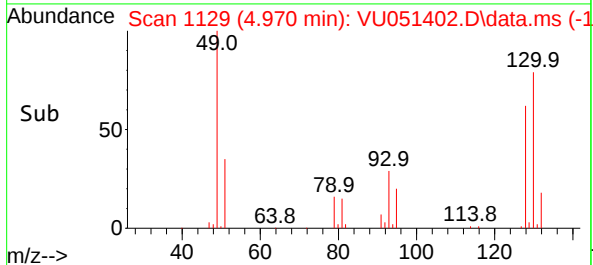
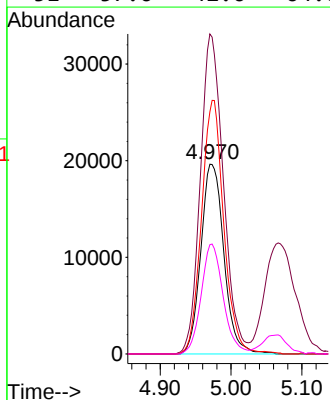
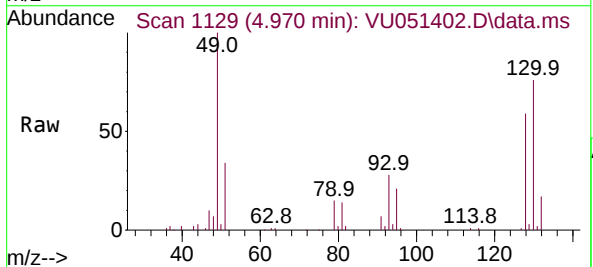
Instrument :
 MSVOA_U
 ClientSampleId :

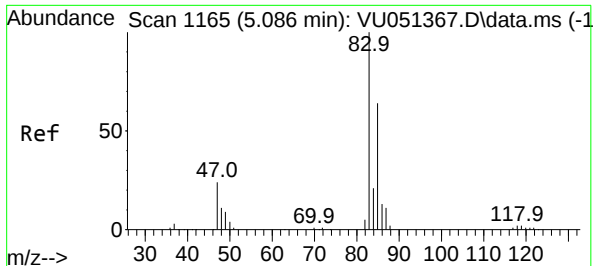
Tgt Ion: 96 Resp: 82469
 Ion Ratio Lower Upper
 96 100
 61 132.5 90.6 168.2
 98 64.5 47.5 88.3



#23
 Bromochloromethane
 Concen: 5.716 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

Tgt Ion: 128 Resp: 44344
 Ion Ratio Lower Upper
 128 100
 49 168.6 118.0 219.2
 130 127.5 88.8 164.8
 51 57.6 42.6 64.0





#25

Chloroform

Concen: 5.555 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

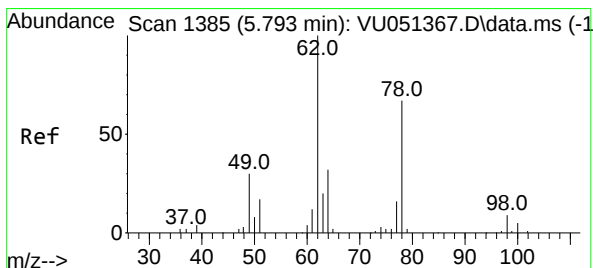
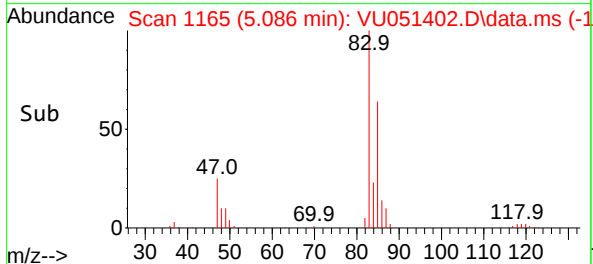
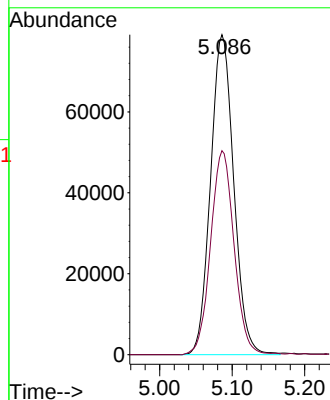
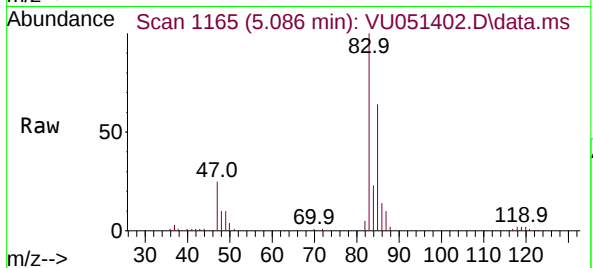
ClientSampleId :

Tgt Ion: 83 Resp: 175730

Ion Ratio Lower Upper

83 100

85 63.8 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.671 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU051402.D

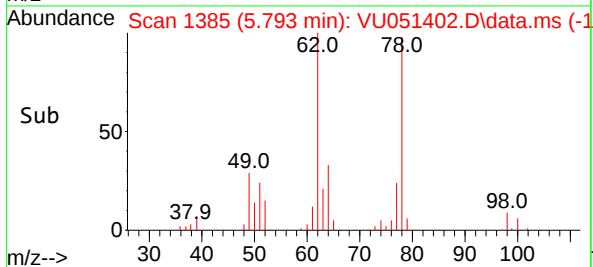
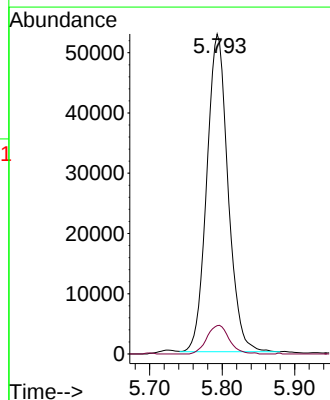
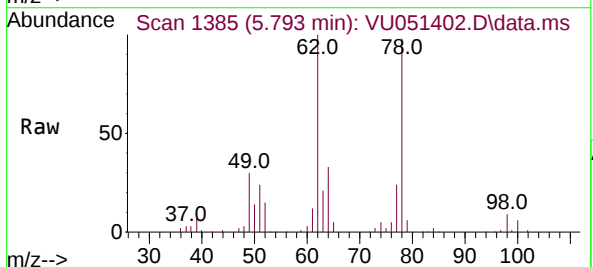
Acq: 12 Oct 2022 21:49

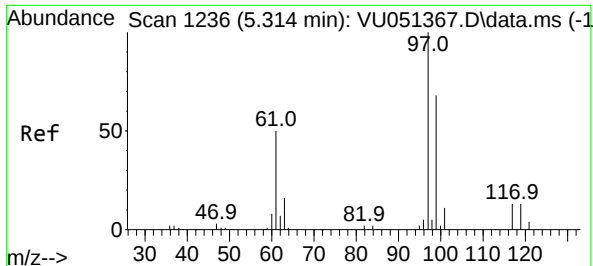
Tgt Ion: 62 Resp: 107474

Ion Ratio Lower Upper

62 100

98 8.9 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 5.292 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

ClientSampleId :

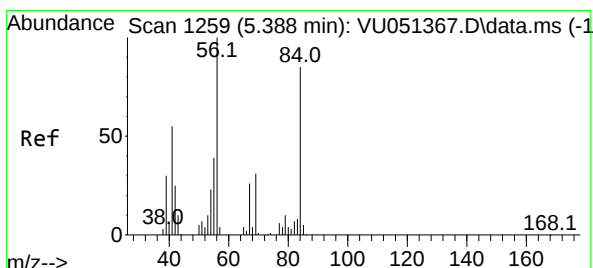
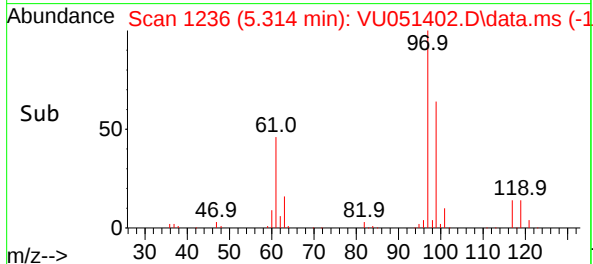
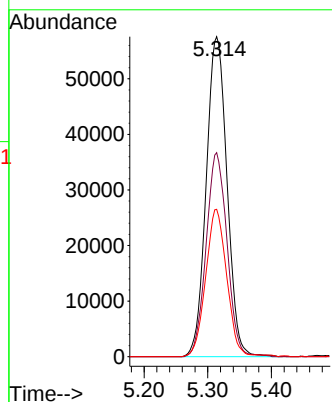
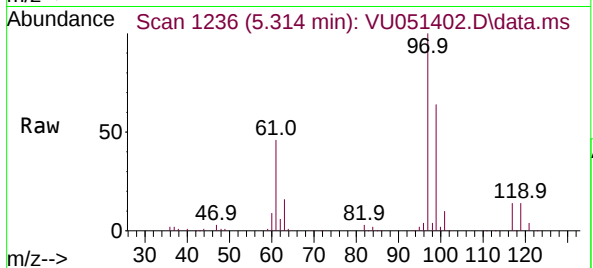
Tgt Ion: 97 Resp: 130972

Ion Ratio Lower Upper

97 100

99 64.0 50.2 75.4

61 46.3 38.7 58.1



#30

Cyclohexane

Concen: 4.242 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

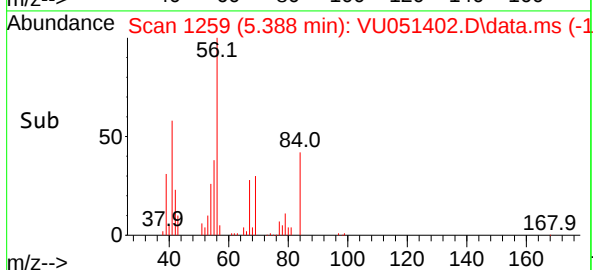
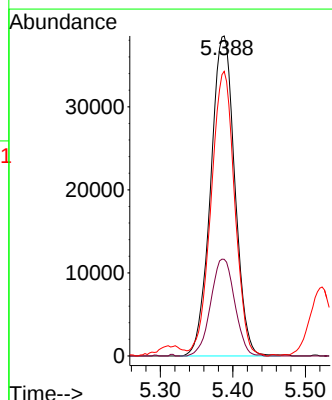
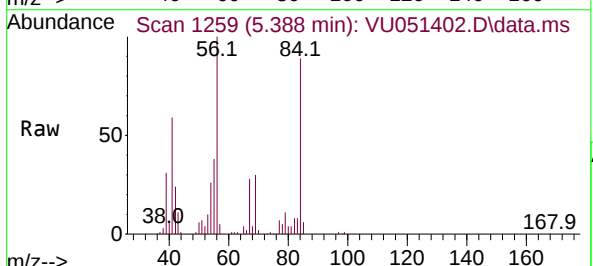
Tgt Ion: 56 Resp: 89040

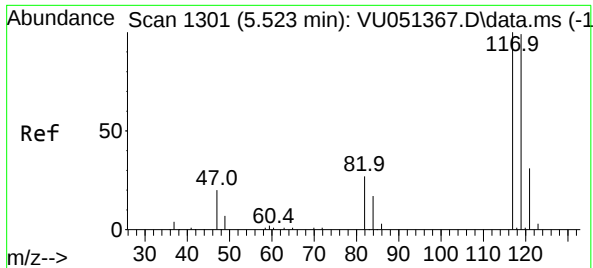
Ion Ratio Lower Upper

56 100

69 30.0 25.1 37.7

84 87.1 70.9 106.3

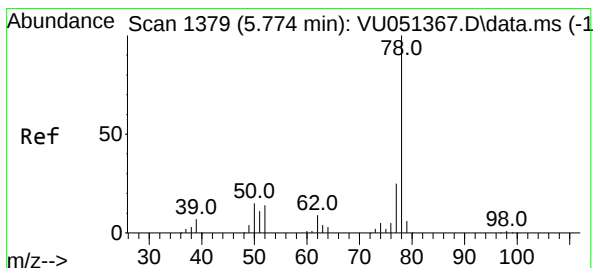
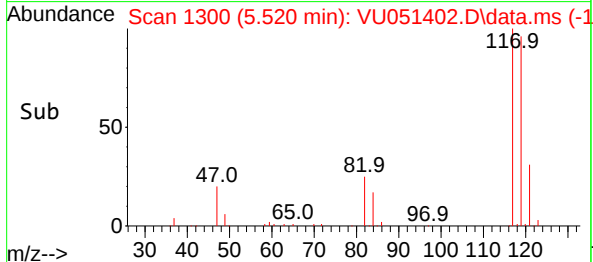
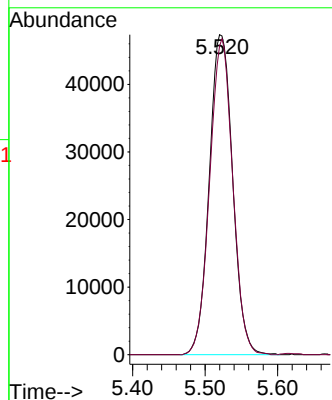
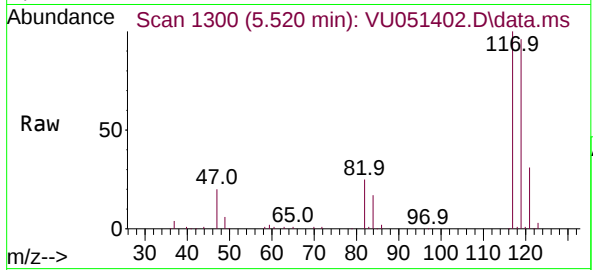




#31
Carbon tetrachloride
Concen: 5.075 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

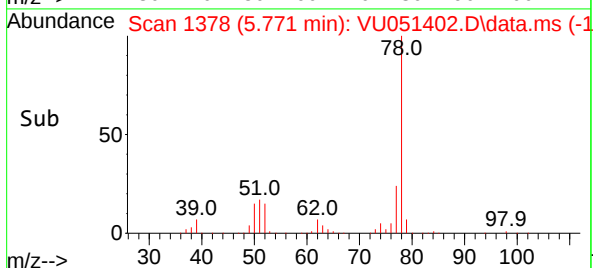
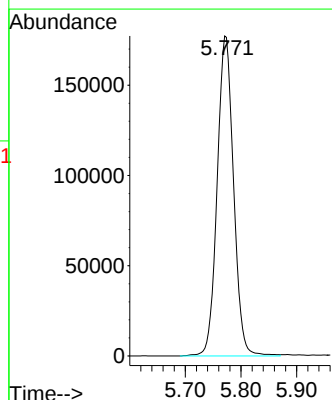
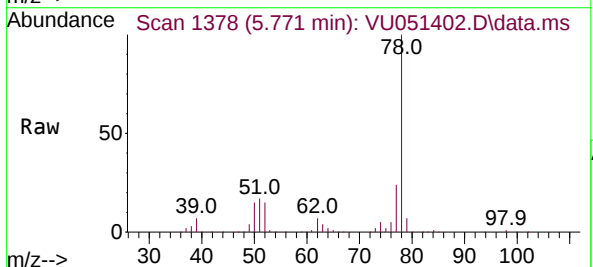
Instrument :
MSVOA_U
ClientSampleId :

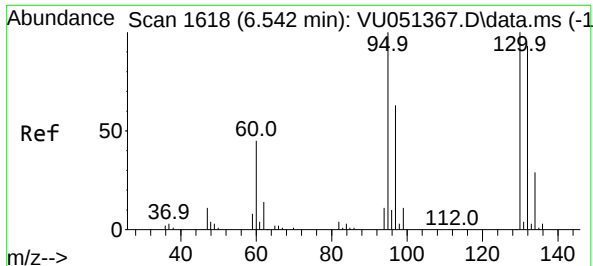
Tgt Ion:117 Resp: 106293
Ion Ratio Lower Upper
117 100
119 96.9 78.4 117.6



#33
Benzene
Concen: 5.266 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion: 78 Resp: 363165

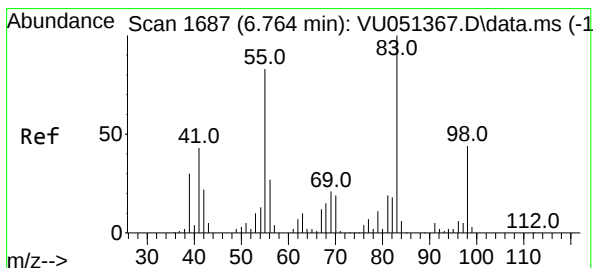
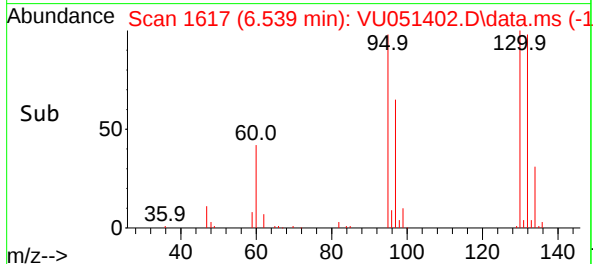
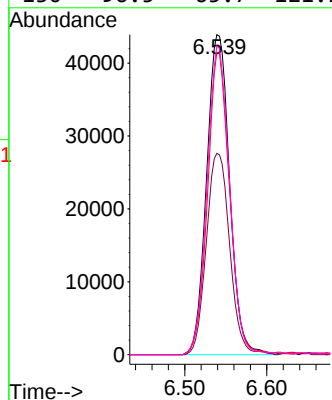
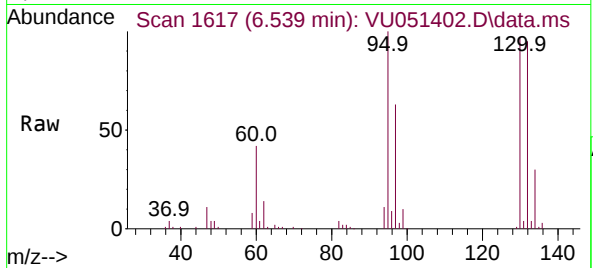




#34
Trichloroethene
Concen: 4.984 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

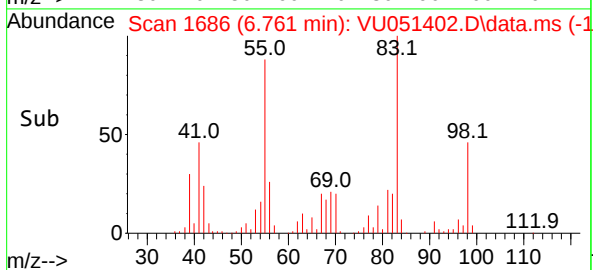
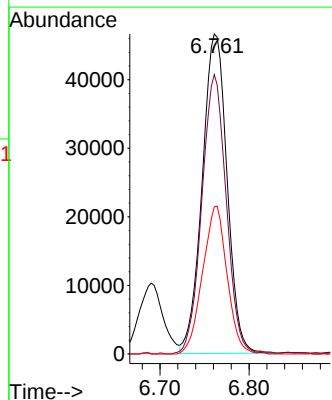
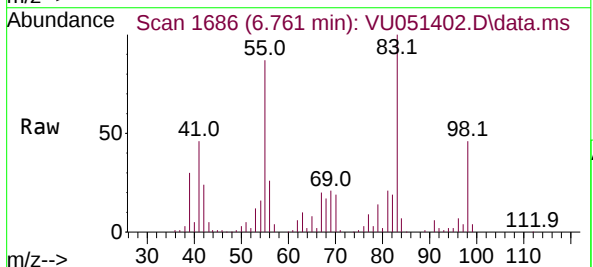
Instrument :
MSVOA_U
ClientSampleId :

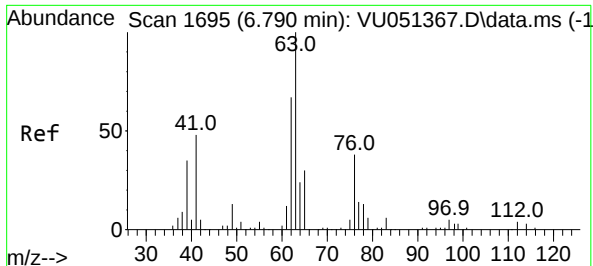
Tgt Ion: 95 Resp: 85740
Ion Ratio Lower Upper
95 100
97 62.9 45.4 84.2
132 94.6 63.1 117.3
130 96.5 65.7 121.9



#35
Methylcyclohexane
Concen: 4.170 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion: 83 Resp: 90496
Ion Ratio Lower Upper
83 100
55 85.9 65.8 98.6
98 45.4 35.9 53.9





#37

1,2-Dichloropropane

Concen: 5.514 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

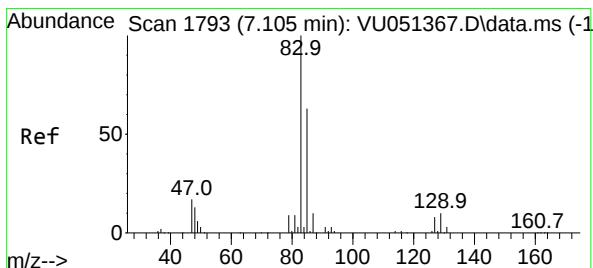
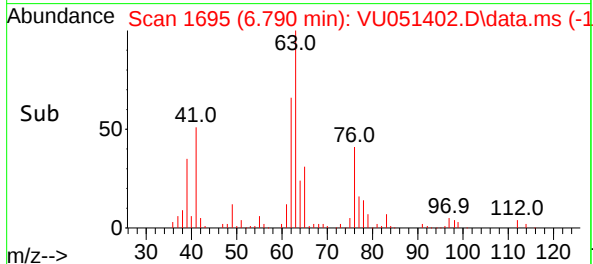
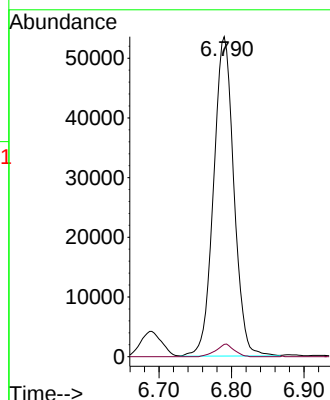
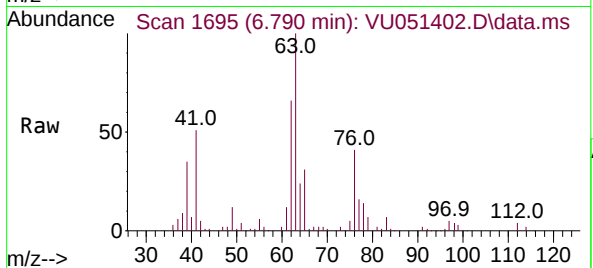
ClientSampleId :

Tgt Ion: 63 Resp: 104210

Ion Ratio Lower Upper

63 100

112 3.5 3.2 4.8



#38

Bromodichloromethane

Concen: 5.436 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

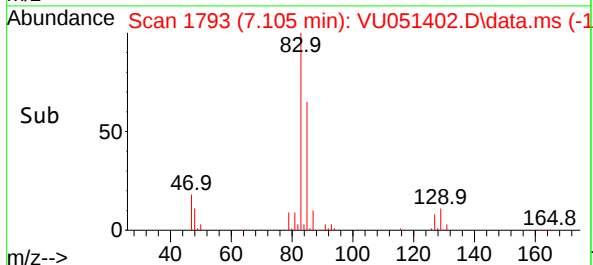
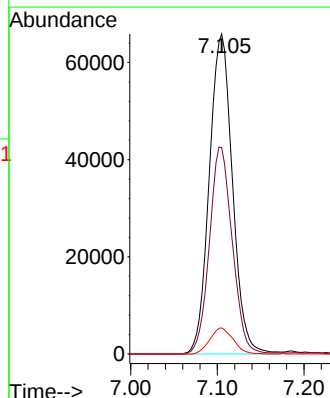
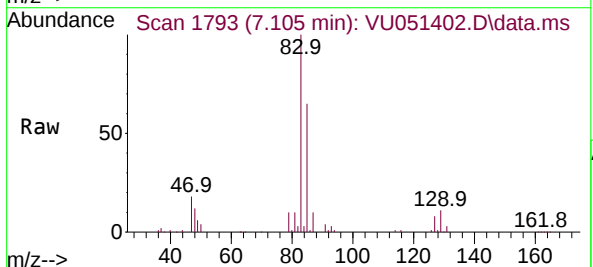
Tgt Ion: 83 Resp: 122573

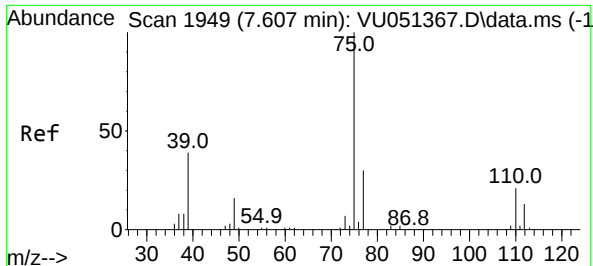
Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

127 8.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.881 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

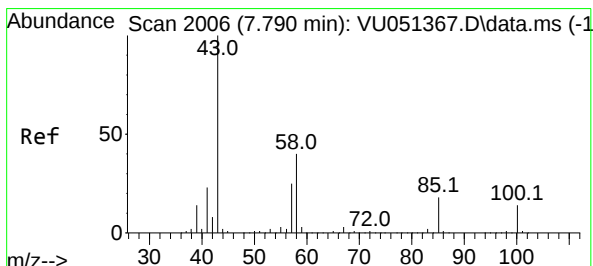
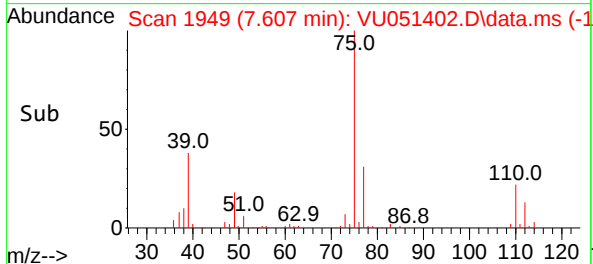
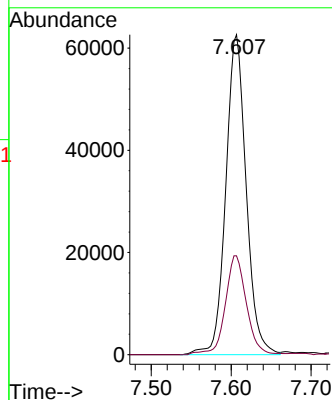
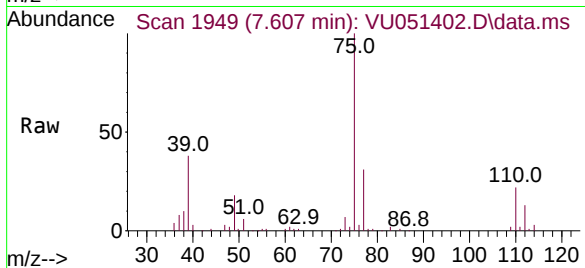
ClientSampleId :

Tgt Ion: 75 Resp: 110877

Ion Ratio Lower Upper

75 100

77 30.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 59.914 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

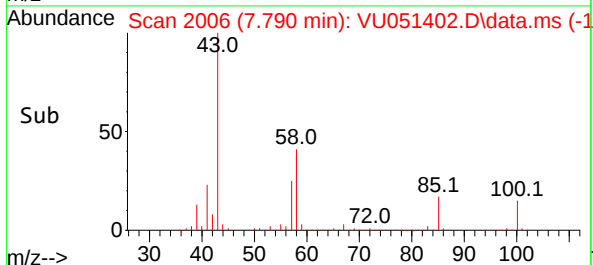
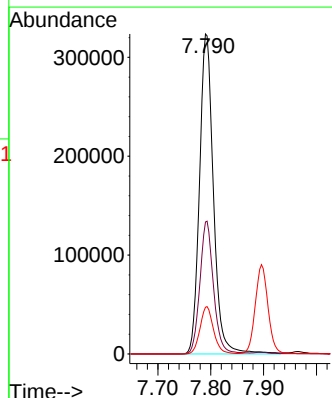
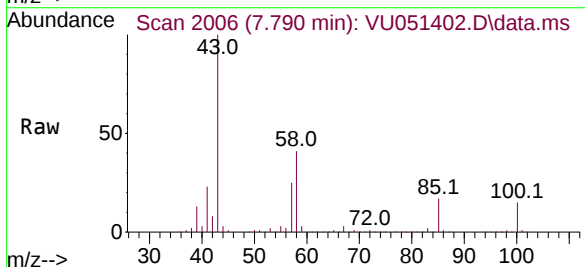
Tgt Ion: 43 Resp: 594112

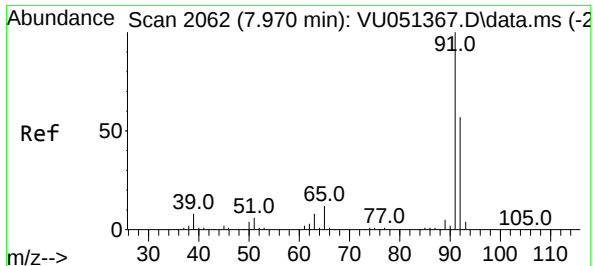
Ion Ratio Lower Upper

43 100

58 40.5 33.0 49.6

100 14.3 11.8 17.6





#42

Toluene

Concen: 5.177 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

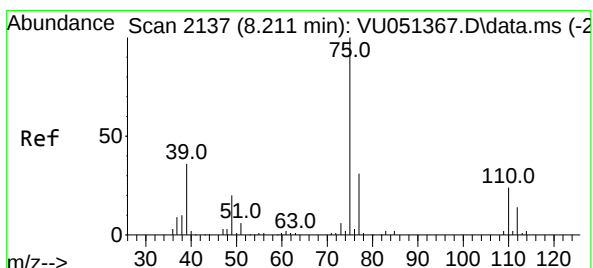
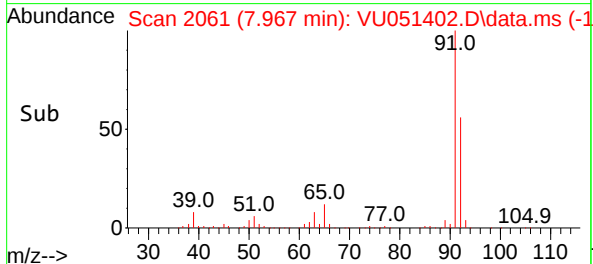
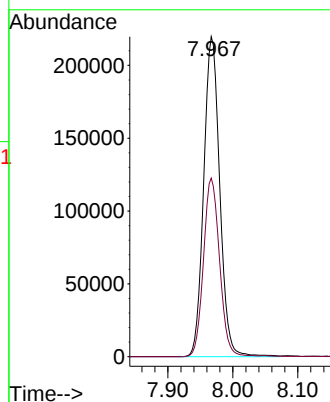
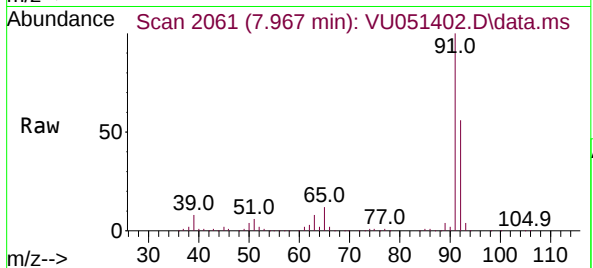
ClientSampleId :

Tgt Ion: 91 Resp: 378934

Ion Ratio Lower Upper

91 100

92 55.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.260 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051402.D

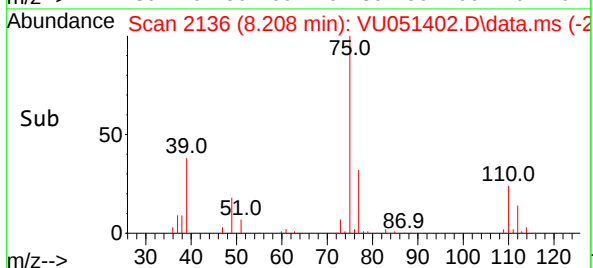
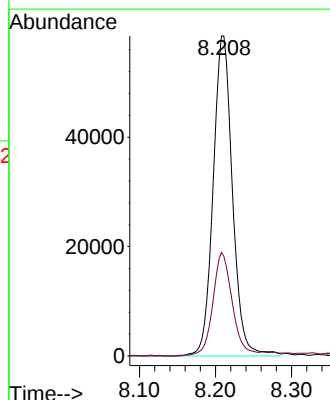
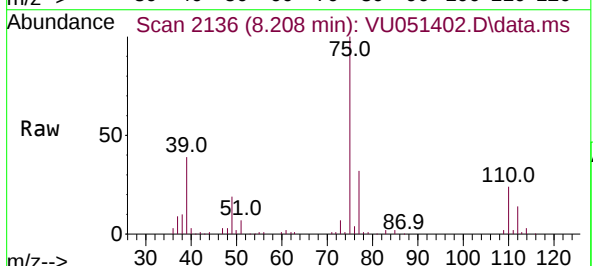
Acq: 12 Oct 2022 21:49

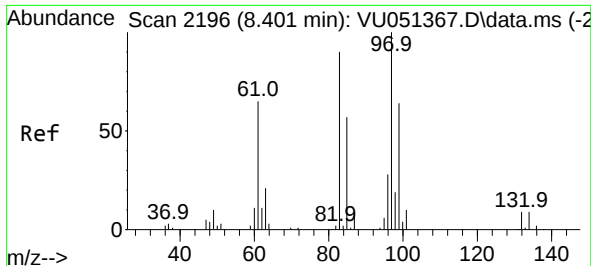
Tgt Ion: 75 Resp: 103331

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 5.689 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 75500

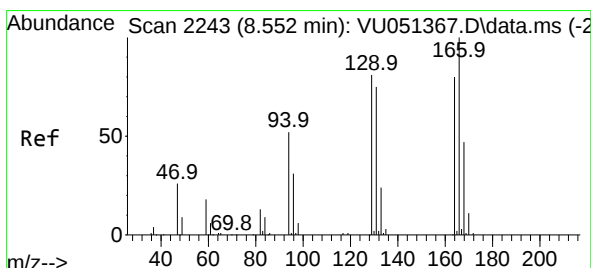
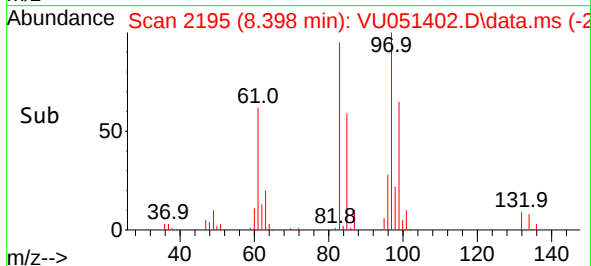
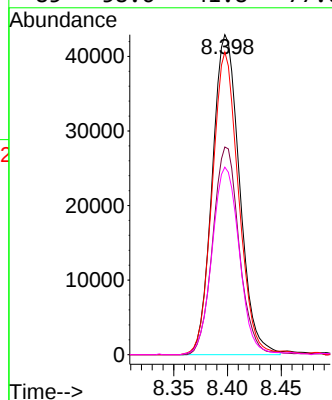
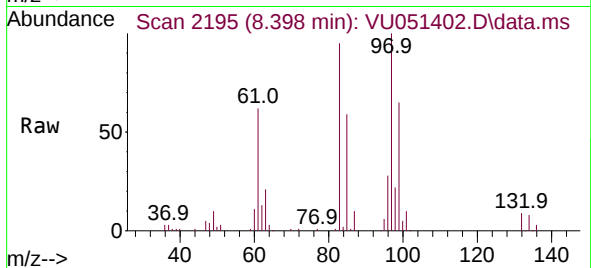
Ion Ratio Lower Upper

97 100

99 64.9 45.3 84.1

83 94.6 63.1 117.1

85 58.6 41.8 77.6



#47

Tetrachloroethene

Concen: 4.755 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Tgt Ion: 164 Resp: 60143

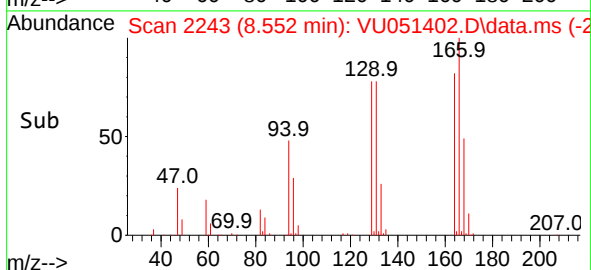
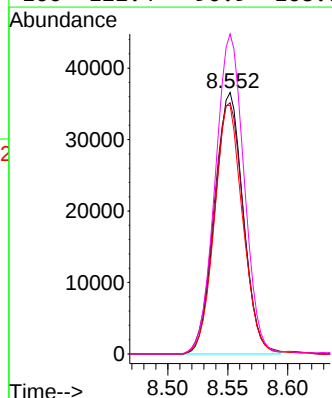
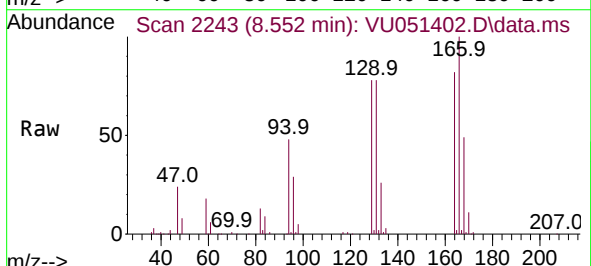
Ion Ratio Lower Upper

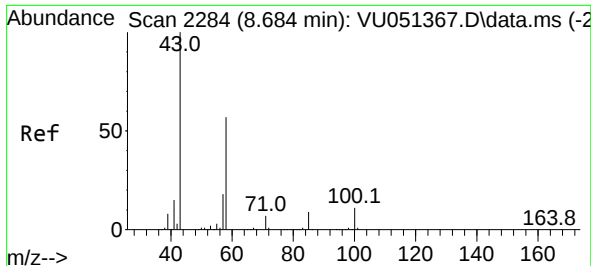
164 100

129 96.1 71.3 132.3

131 95.1 66.9 124.3

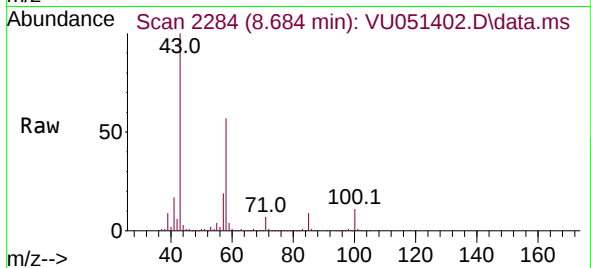
166 122.4 90.9 168.7



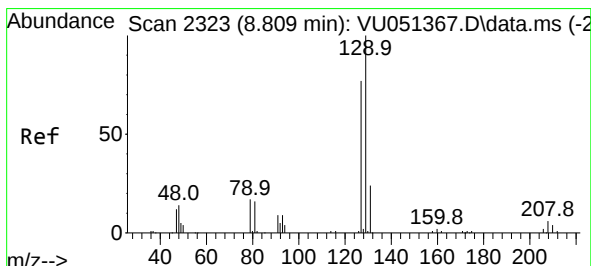
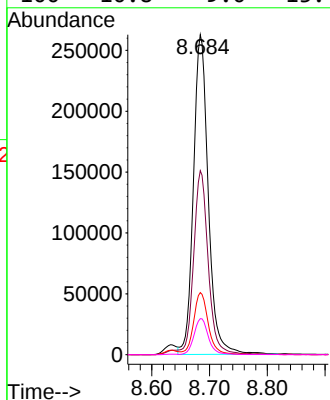
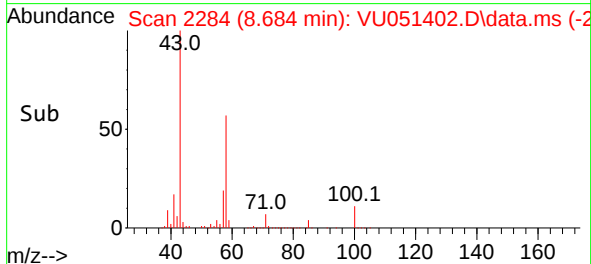


#48
2-Hexanone
Concen: 63.538 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Instrument :
MSVOA_U
ClientSampleId :

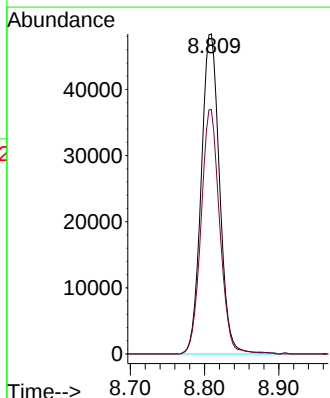
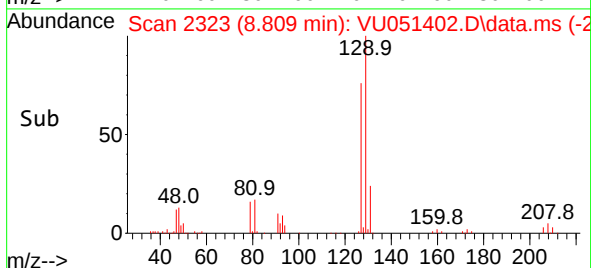
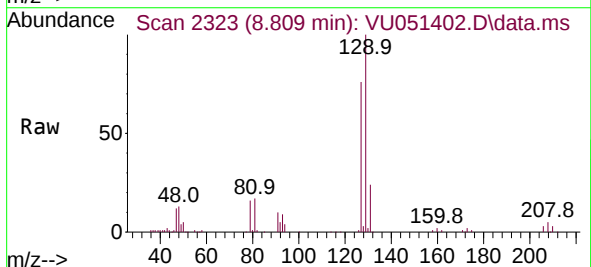


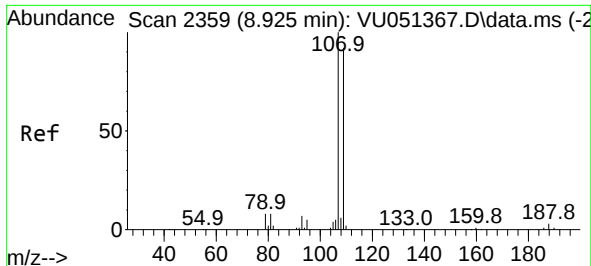
Tgt Ion: 43 Resp: 469120
Ion Ratio Lower Upper
43 100
58 57.4 48.2 72.2
57 19.1 15.5 23.3
100 10.8 9.0 13.4



#49
Dibromochloromethane
Concen: 5.562 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion: 129 Resp: 82883
Ion Ratio Lower Upper
129 100
127 76.4 53.5 99.3





#50

1,2-Dibromoethane

Concen: 5.746 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

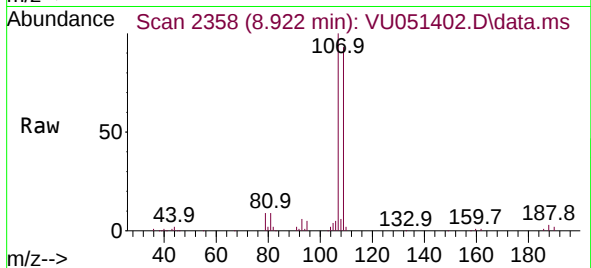
Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

ClientSampleId :



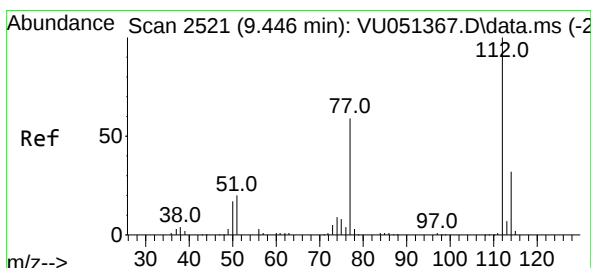
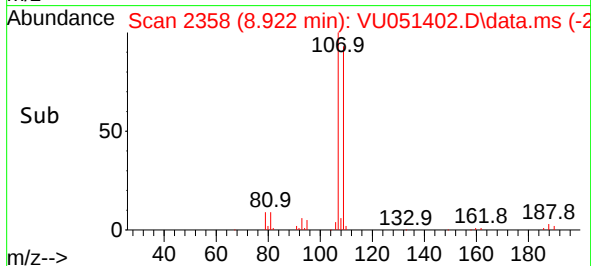
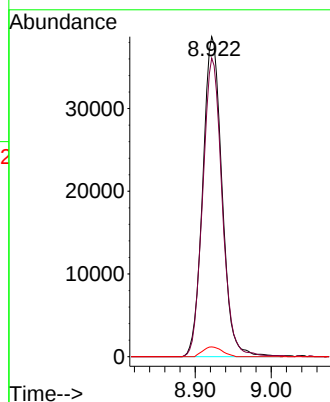
Tgt Ion:107 Resp: 67876

Ion Ratio Lower Upper

107 100

109 93.3 67.1 124.7

188 3.0 2.5 3.7



#51

Chlorobenzene

Concen: 5.213 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

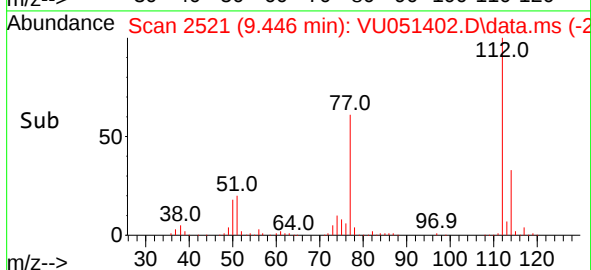
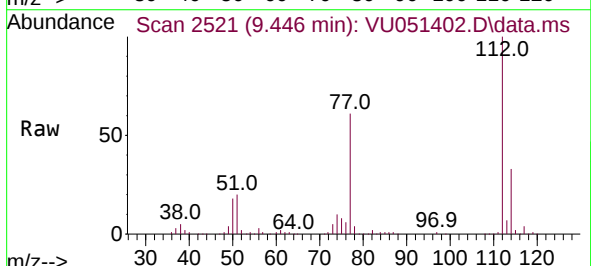
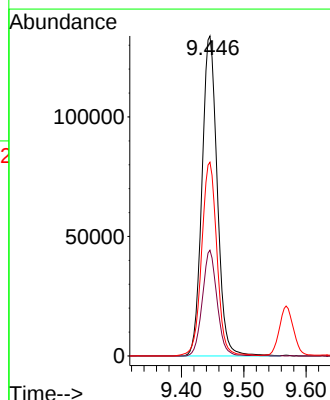
Tgt Ion:112 Resp: 228000

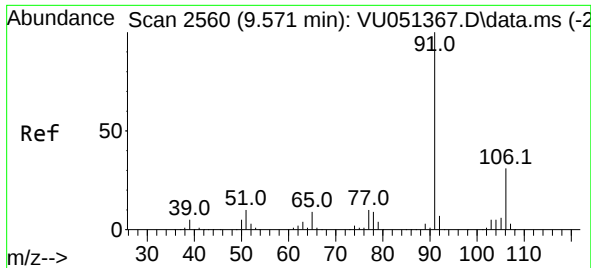
Ion Ratio Lower Upper

112 100

114 33.0 22.3 41.5

77 60.6 48.1 72.1

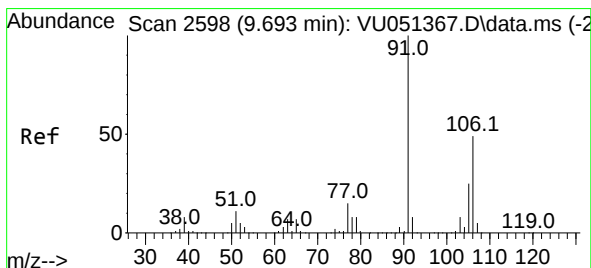
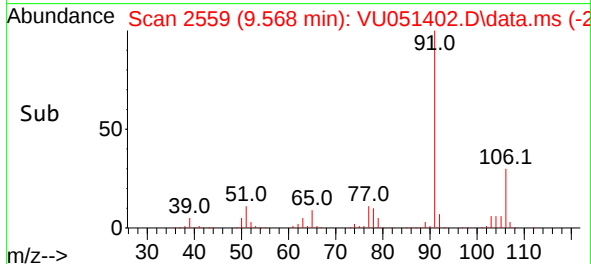
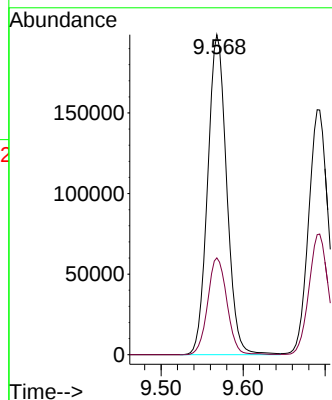
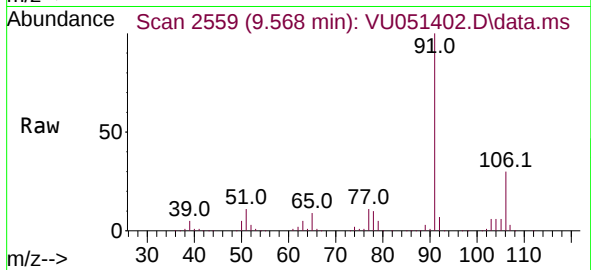




#52
Ethylbenzene
Concen: 4.858 ug/L
RT: 9.568 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

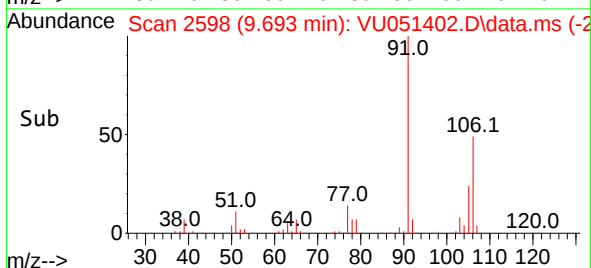
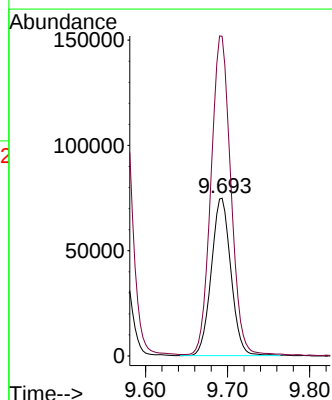
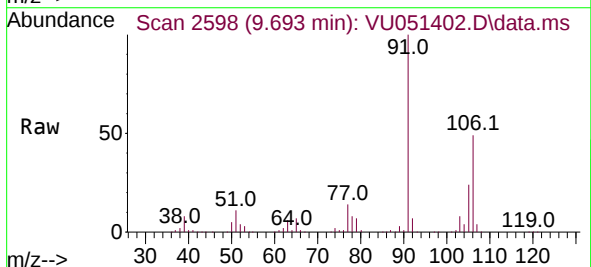
Instrument :
MSVOA_U
ClientSampleId :

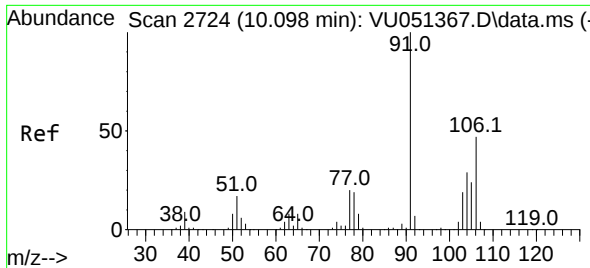
Tgt Ion: 91 Resp: 319571
Ion Ratio Lower Upper
91 100
106 30.3 20.9 38.7



#53
m,p-Xylene
Concen: 4.852 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion: 106 Resp: 123777
Ion Ratio Lower Upper
106 100
91 202.7 143.9 267.3

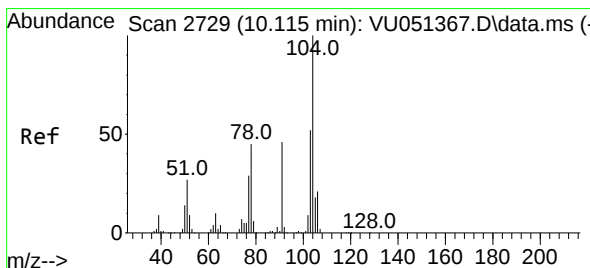
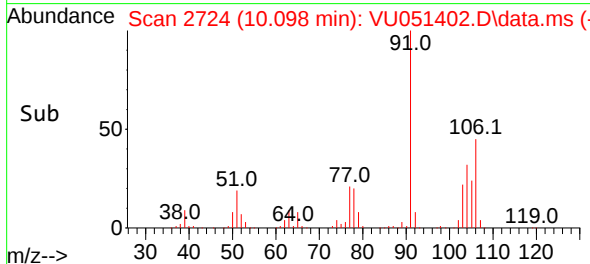
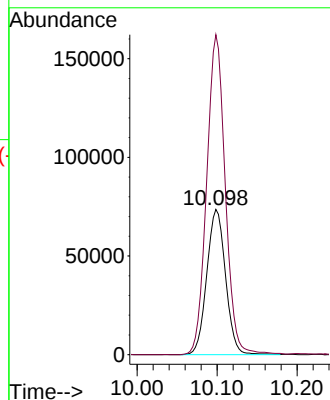
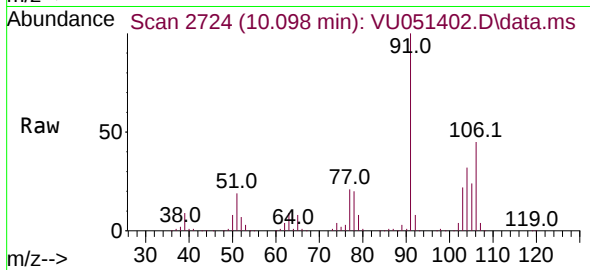




#54
o-Xylene
Concen: 4.997 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

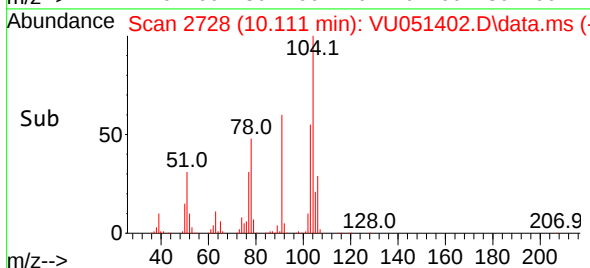
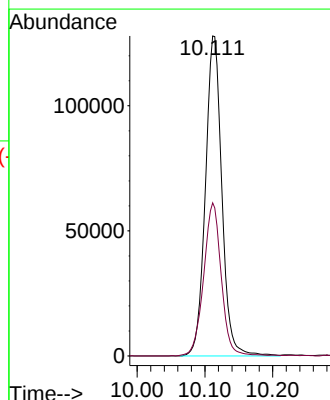
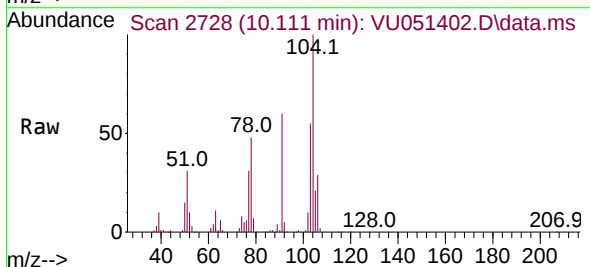
Instrument :
MSVOA_U
ClientSampleId :

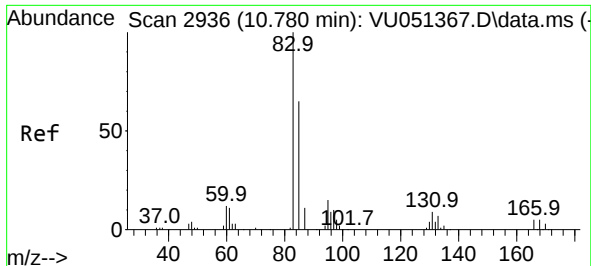
Tgt Ion:106 Resp: 120609
Ion Ratio Lower Upper
106 100
91 220.3 154.4 286.8



#55
Styrene
Concen: 5.197 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion:104 Resp: 215925
Ion Ratio Lower Upper
104 100
78 47.8 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.827 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

ClientSampleId :

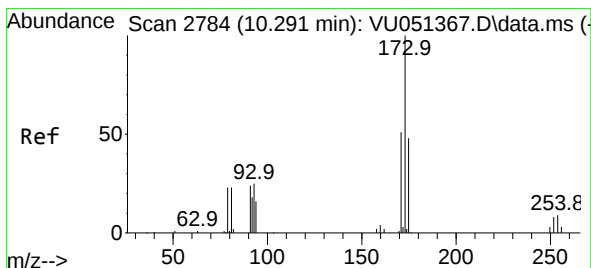
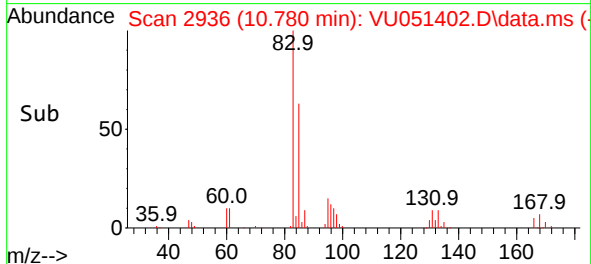
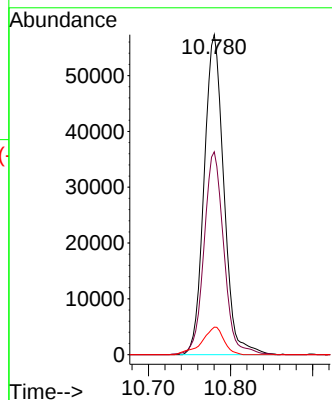
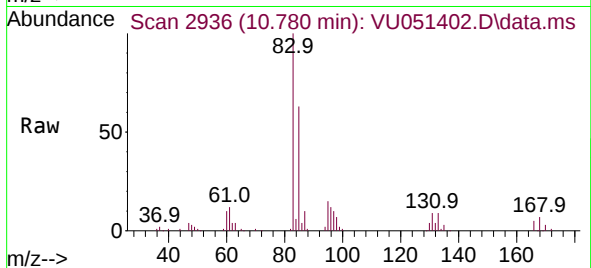
Tgt Ion: 83 Resp: 95714

Ion Ratio Lower Upper

83 100

85 63.4 45.9 85.3

131 8.6 7.4 11.2



#59

Bromoform

Concen: 5.566 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

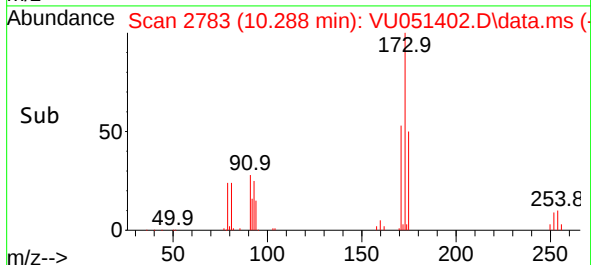
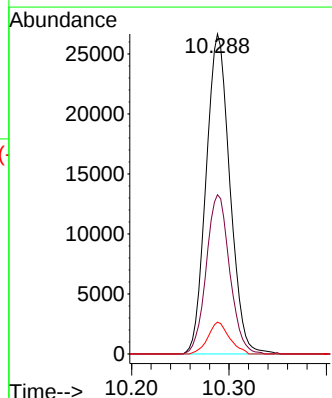
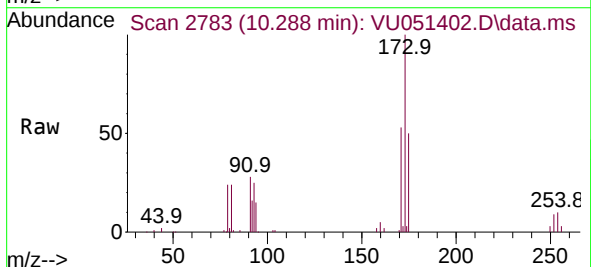
Tgt Ion: 173 Resp: 45090

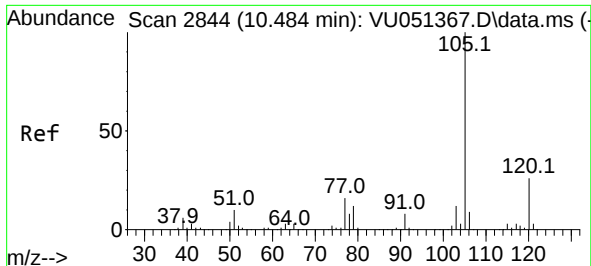
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

254 9.0 7.5 11.3

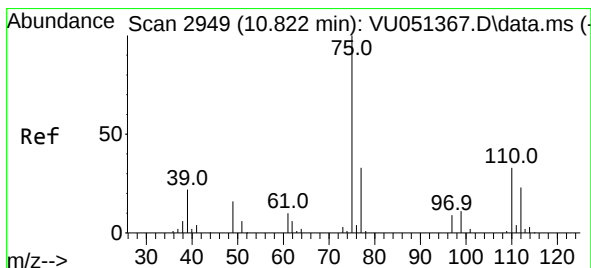
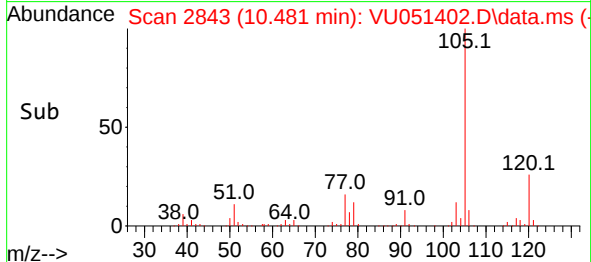
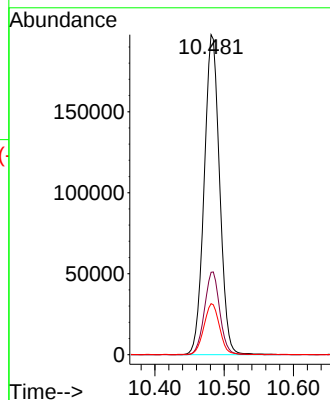
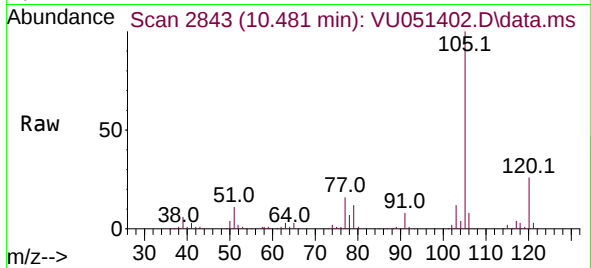




#60
Isopropylbenzene
Concen: 4.945 ug/L
RT: 10.481 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

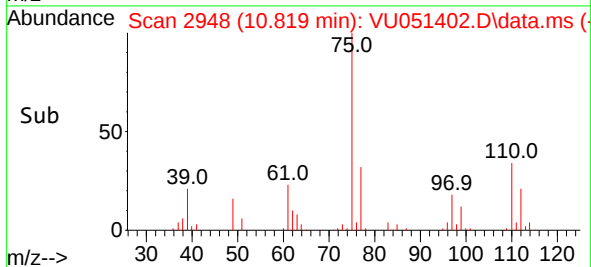
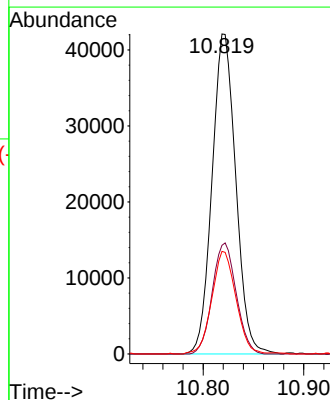
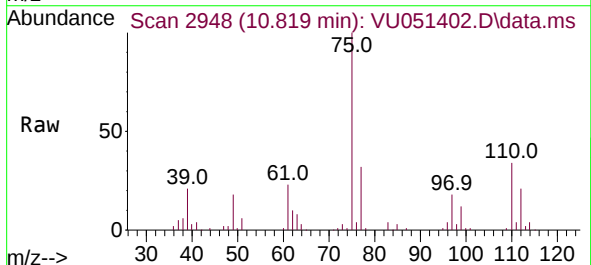
Instrument :
MSVOA_U
ClientSampleId :

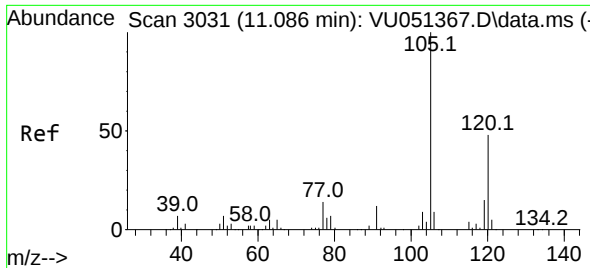
Tgt Ion:105 Resp: 305034
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 16.0 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 5.619 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion: 75 Resp: 69102
Ion Ratio Lower Upper
75 100
110 34.9 27.0 40.6
77 32.5 26.4 39.6

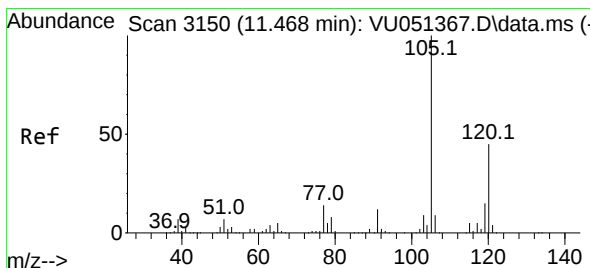
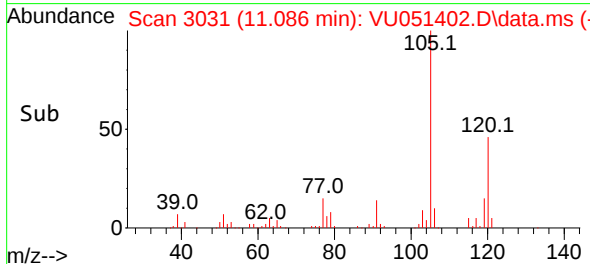
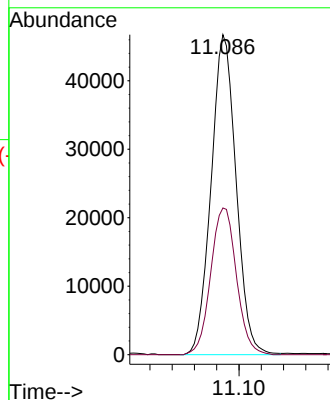
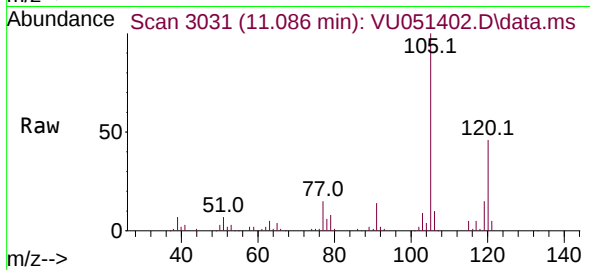




#62
 1,3,5-Trimethylbenzene
 Concen: 4.449 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.003 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

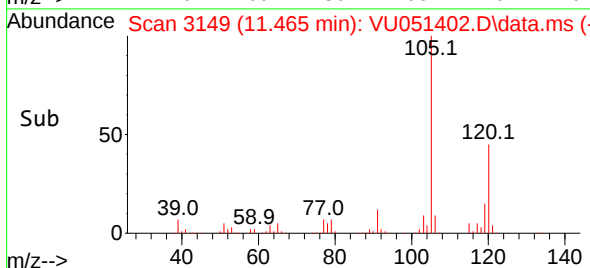
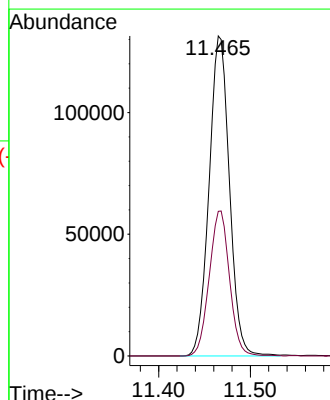
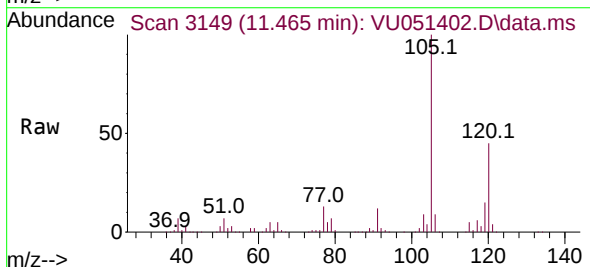
Instrument :
 MSVOA_U
 ClientSampleId :

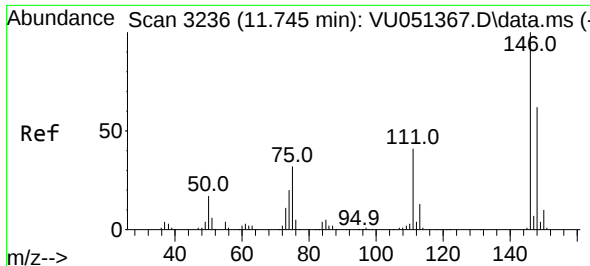
Tgt Ion:105 Resp: 72802
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 4.378 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

Tgt Ion:105 Resp: 202577
 Ion Ratio Lower Upper
 105 100
 120 45.2 35.6 53.4

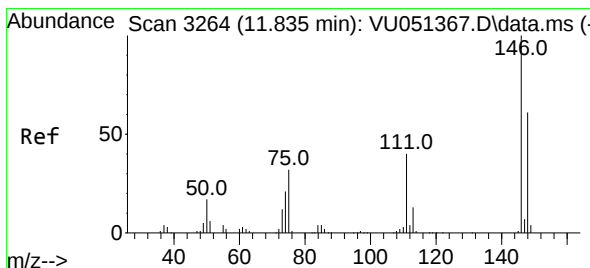
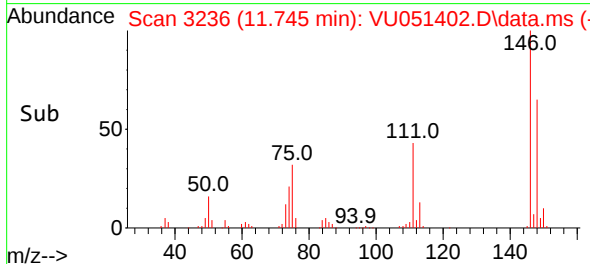
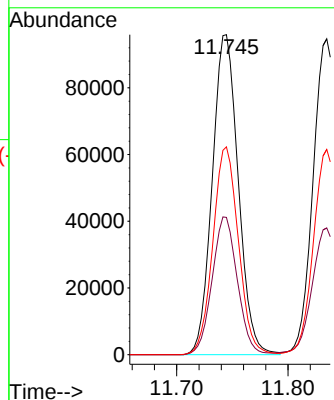
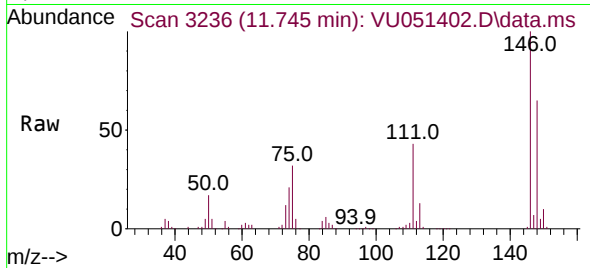




#64
 1,3-Dichlorobenzene
 Concen: 5.097 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

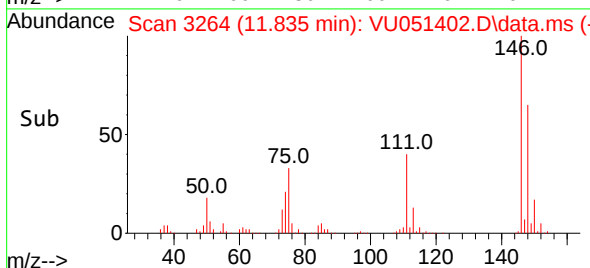
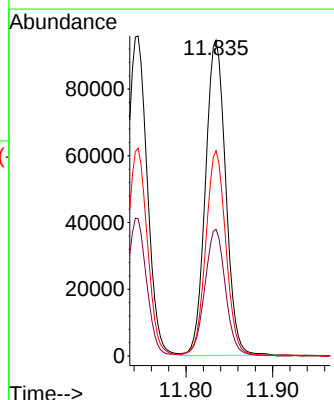
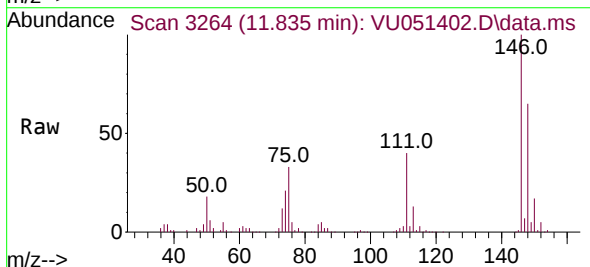
Instrument :
 MSVOA_U
 ClientSampleId :

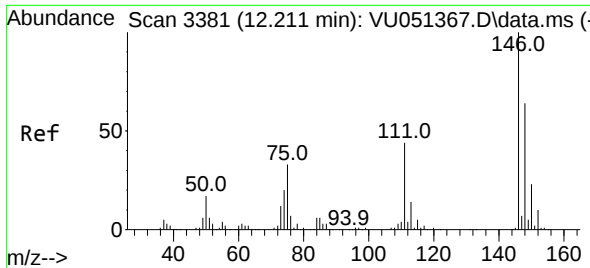
Tgt Ion:146 Resp: 155504
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.3 52.7
 148 65.0 43.8 81.4



#65
 1,4-Dichlorobenzene
 Concen: 5.114 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU051402.D
 Acq: 12 Oct 2022 21:49

Tgt Ion:146 Resp: 153799
 Ion Ratio Lower Upper
 146 100
 111 40.1 29.1 54.1
 148 65.0 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 5.146 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

ClientSampleId :

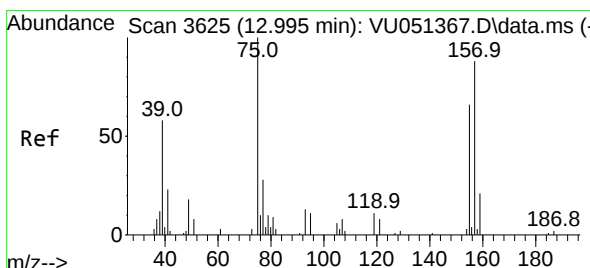
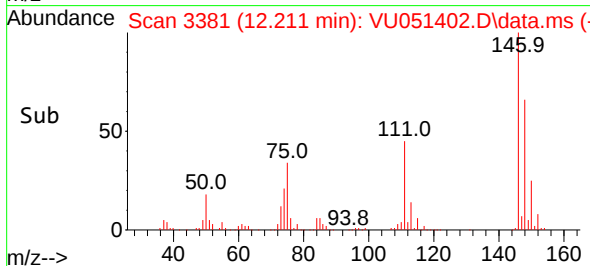
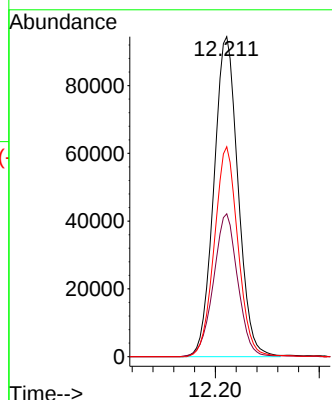
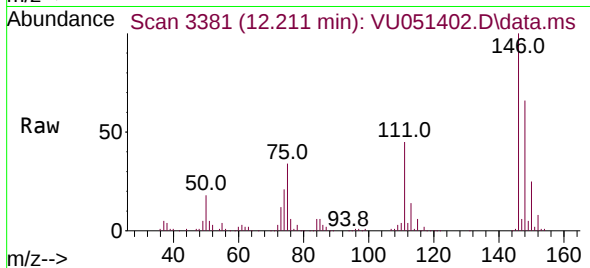
Tgt Ion:146 Resp: 152618

Ion Ratio Lower Upper

146 100

111 44.6 35.5 53.3

148 65.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 6.049 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

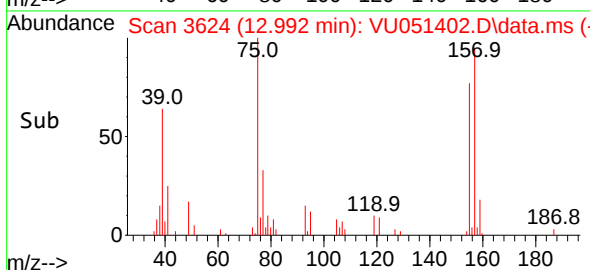
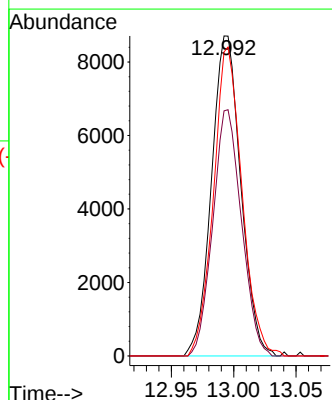
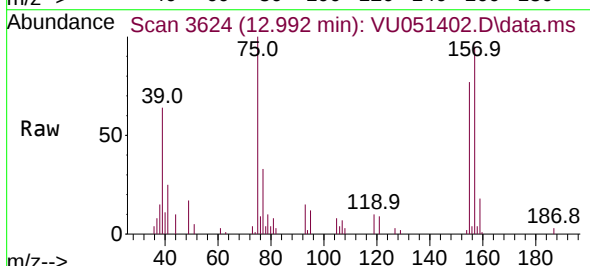
Tgt Ion: 75 Resp: 14229

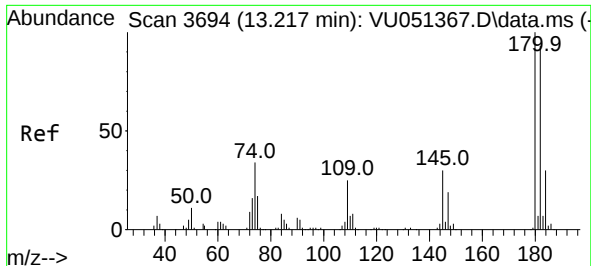
Ion Ratio Lower Upper

75 100

155 76.6 62.7 94.1

157 95.0 78.3 117.5





#69

1,3,5-Trichlorobenzene

Concen: 4.804 ug/L

RT: 13.217 min Scan# 30

Delta R.T. -0.000 min

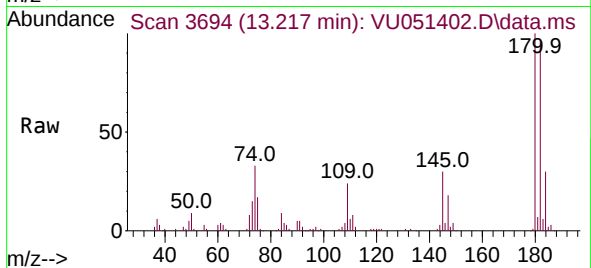
Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 101038

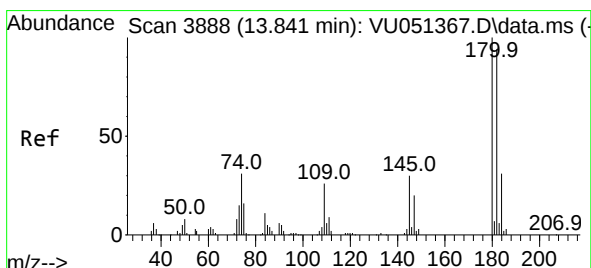
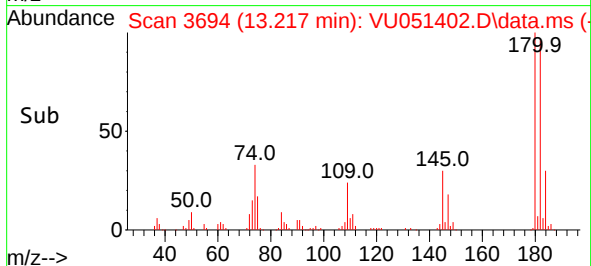
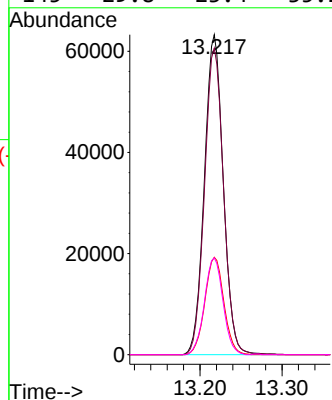
Ion Ratio Lower Upper

180 100

182 96.5 77.7 116.5

184 30.6 23.6 35.4

145 29.8 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.828 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU051402.D

Acq: 12 Oct 2022 21:49

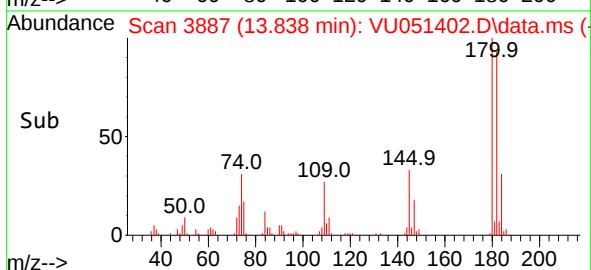
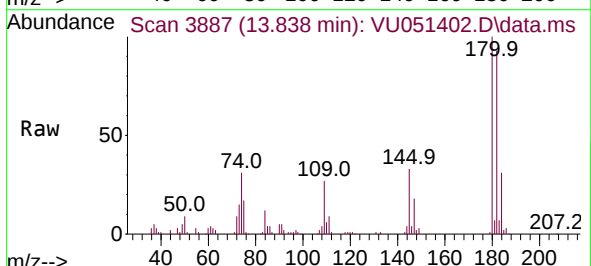
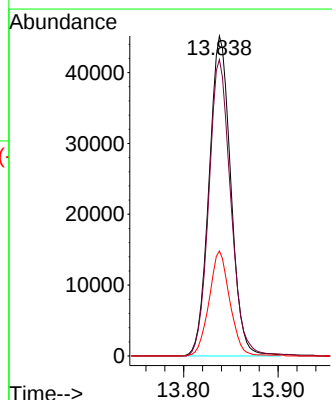
Tgt Ion:180 Resp: 72165

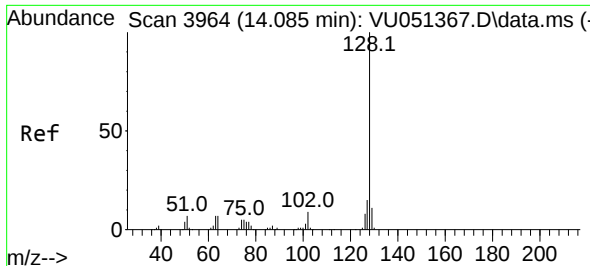
Ion Ratio Lower Upper

180 100

182 93.5 78.7 118.1

145 31.3 25.0 37.4

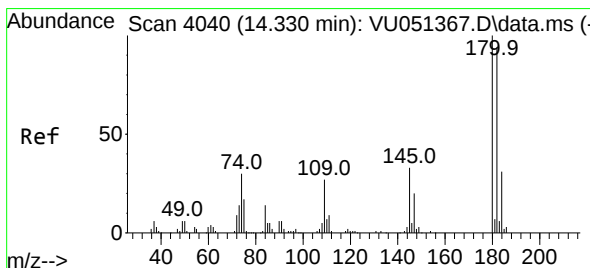
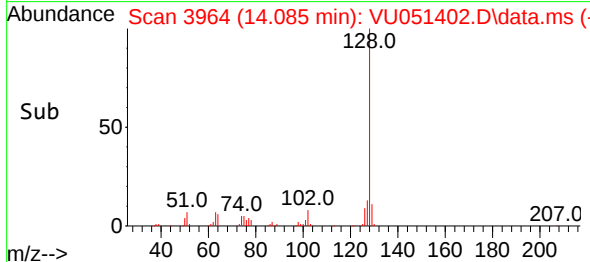
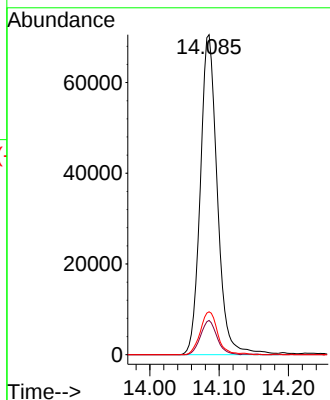
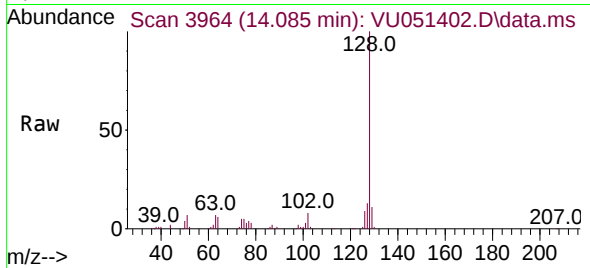




#71
Naphthalene
Concen: 4.334 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 120417
Ion Ratio Lower Upper
128 100
129 10.3 8.5 12.7
127 13.6 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 4.719 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051402.D
Acq: 12 Oct 2022 21:49

Tgt Ion:180 Resp: 72965
Ion Ratio Lower Upper
180 100
182 97.7 76.6 114.8
145 31.9 25.8 38.8

