

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062024\
 Data File : VU059382.D
 Acq On : 20 Jun 2024 15:56
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 21 05:59:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 21 05:55:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	241987	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240615	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	125682	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	59644	41.166	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.340%
7) Chloroethane-d5	1.904	69	54585	43.980	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.960%
11) 1,1-Dichloroethene-d2	2.563	63	116747	40.822	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.640%
21) 2-Butanone-d5	4.611	46	107200	78.497	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.500%
24) Chloroform-d	5.055	84	127631	44.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.500%
26) 1,2-Dichloroethane-d4	5.695	65	76696	43.384	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.760%
32) Benzene-d6	5.721	84	244611	44.294	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.580%
36) 1,2-Dichloropropane-d6	6.682	67	79788	41.902	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.800%
41) Toluene-d8	7.891	98	223064	47.581	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.160%
43) trans-1,3-Dichloroprop...	8.177	79	33464	43.477	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.960%
47) 2-Hexanone-d5	8.627	63	70711	80.305	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.310%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	124040	38.491	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.980%
66) 1,2-Dichlorobenzene-d4	12.187	152	86026	45.866	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.740%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	99192	40.456	ug/L	99
3) Chloromethane	1.518	50	110453	38.978	ug/L	100
5) Vinyl chloride	1.599	62	120534	43.288	ug/L	99
6) Bromomethane	1.849	94	77505	34.792	ug/L	98
8) Chloroethane	1.927	64	74842	43.103	ug/L	99
9) Trichlorofluoromethane	2.132	101	145582	44.930	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	88899	47.156	ug/L	92
12) 1,1-Dichloroethene	2.573	96	84985	49.702	ug/L	80
13) Acetone	2.615	43	97889	60.982	ug/L	94
14) Carbon disulfide	2.785	76	236145	41.007	ug/L	99
15) Methyl Acetate	2.939	43	109780	43.175	ug/L	95
16) Methylene chloride	3.036	84	101625	43.926	ug/L	90
17) trans-1,2-Dichloroethene	3.345	96	87902	47.630	ug/L	92
18) Methyl tert-butyl Ether	3.354	73	274710	45.825	ug/L	96
19) 1,1-Dichloroethane	3.859	63	171318	43.308	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	100388	47.735	ug/L	90
22) 2-Butanone	4.692	43	155362	79.943	ug/L	95
23) Bromochloromethane	4.965	128	53956	50.651	ug/L	84
25) Chloroform	5.078	83	179477	46.856	ug/L	99

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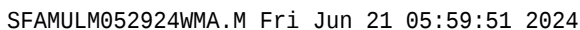
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 MSVOA_U
 ClientSampleId :

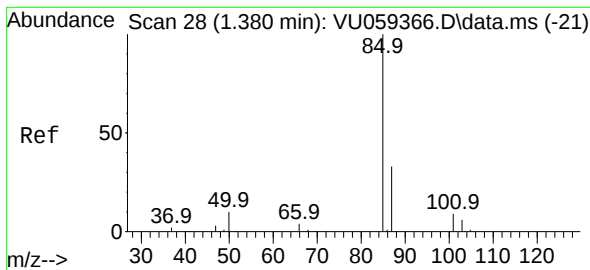
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	139390	43.077	ug/L	96
29) Cyclohexane	5.383	56	131373	40.896	ug/L	92
30) 1,1,1-Trichloroethane	5.309	97	142570	45.572	ug/L	98
31) Carbon tetrachloride	5.518	117	117810	46.361	ug/L	99
33) Benzene	5.766	78	394259	45.377	ug/L	100
34) Trichloroethene	6.537	95	103250	48.533	ug/L	92
35) Methylcyclohexane	6.756	83	140208	44.823	ug/L	93
37) 1,2-Dichloropropane	6.785	63	109455	44.365	ug/L	99
38) Bromodichloromethane	7.097	83	129719	45.138	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	153401	44.939	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	285851	88.377	ug/L #	96
42) Toluene	7.965	91	425117	48.745	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	137253	44.413	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	107944	48.662	ug/L	97
46) Tetrachloroethene	8.547	164	76602	54.057	ug/L	91
48) 2-Hexanone	8.676	43	233650	85.652	ug/L	98
49) Dibromochloromethane	8.804	129	99584	49.675	ug/L	99
50) 1,2-Dibromoethane	8.917	107	110505	48.294	ug/L	98
51) Chlorobenzene	9.441	112	263241	50.010	ug/L	96
52) Ethylbenzene	9.566	91	437949	48.709	ug/L	97
53) m,p-Xylene	9.688	106	167827	50.788	ug/L	96
54) o-Xylene	10.097	106	164421	51.342	ug/L	92
55) Styrene	10.110	104	287294	52.777	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	178534	44.182	ug/L	98
59) Bromoform	10.283	173	82006	49.764	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	145525	41.637	ug/L	99
61) Isopropylbenzene	10.479	105	424562	48.016	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	306763	47.884	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	335715	48.340	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	206621	49.998	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	209467	49.079	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	207025	47.930	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	38824	43.817	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.216	180	137498	50.379	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	115607	53.034	ug/L	98
71) Naphthalene	14.080	128	350897	50.856	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	125439	56.602	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 40.456 ug/L

RT: 1.380 min Scan# 21

Delta R.T. -0.000 min MSVOA_U

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

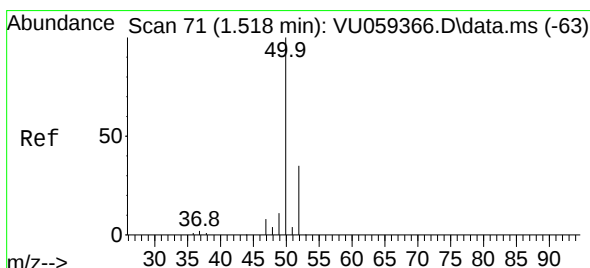
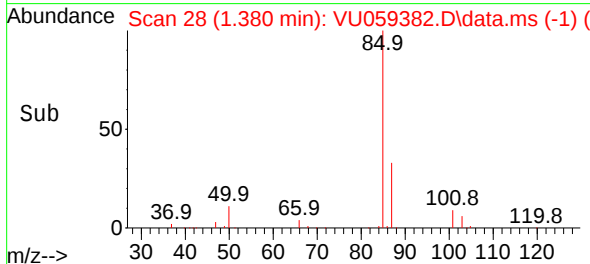
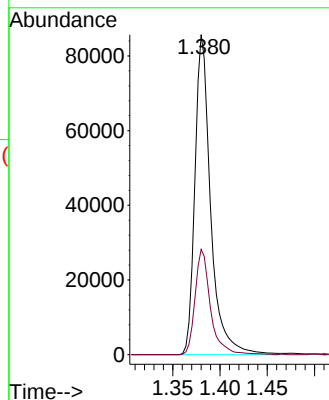
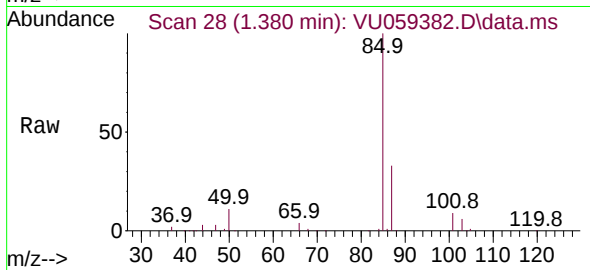
ClientSampleId :

Tgt Ion: 85 Resp: 99192

Ion Ratio Lower Upper

85 100

87 32.3 25.4 38.2



#3

Chloromethane

Concen: 38.978 ug/L

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU059382.D

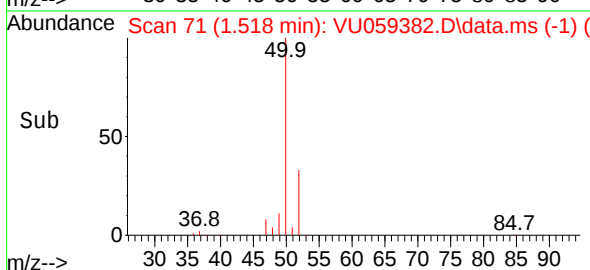
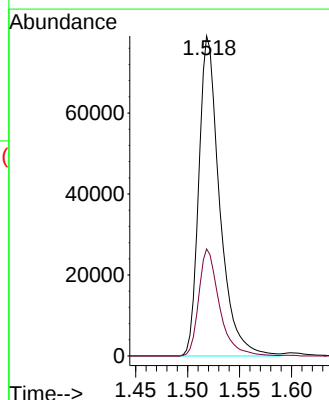
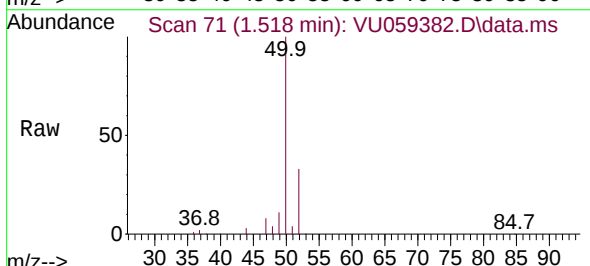
Acq: 20 Jun 2024 15:56

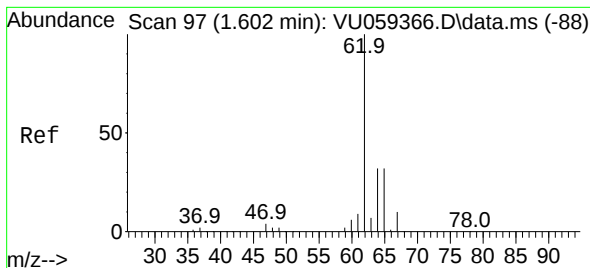
Tgt Ion: 50 Resp: 110453

Ion Ratio Lower Upper

50 100

52 33.5 23.2 43.2





#5

Vinyl chloride

Concen: 43.288 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

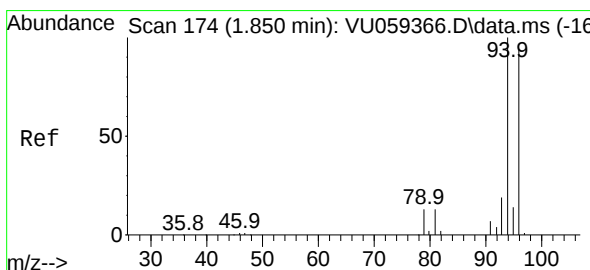
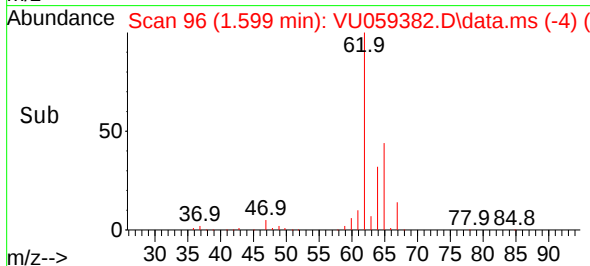
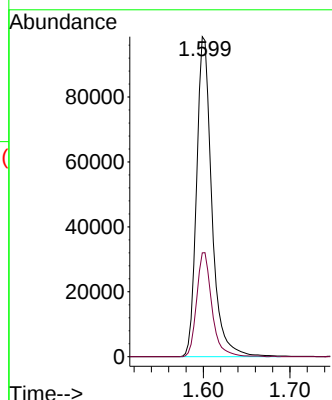
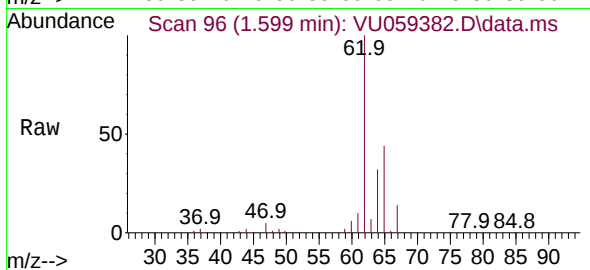
ClientSampleId :

Tgt Ion: 62 Resp: 120534

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



#6

Bromomethane

Concen: 34.792 ug/L

RT: 1.849 min Scan# 174

Delta R.T. -0.000 min

Lab File: VU059382.D

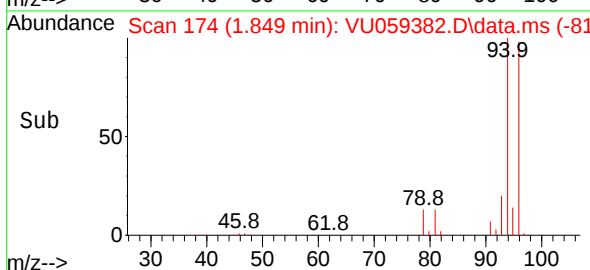
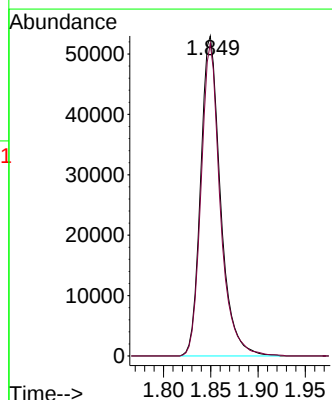
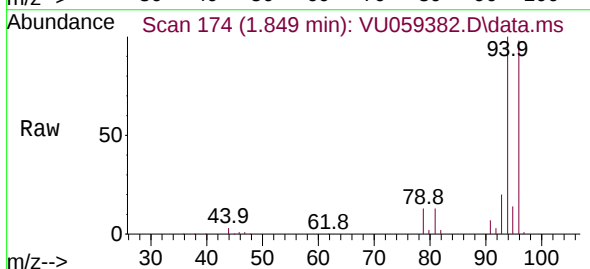
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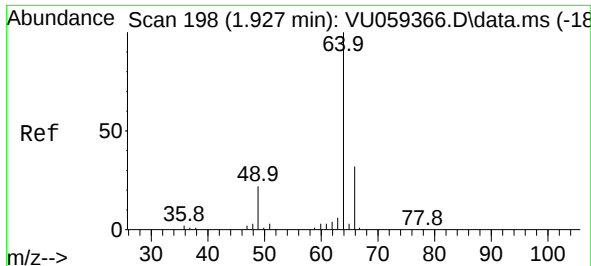
Tgt Ion: 94 Resp: 77505

Ion Ratio Lower Upper

94 100

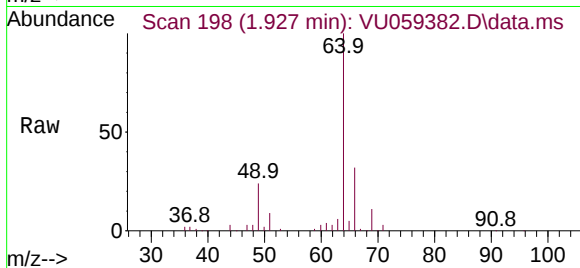
96 97.6 67.1 124.7



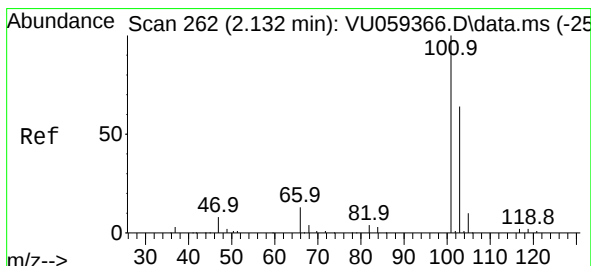
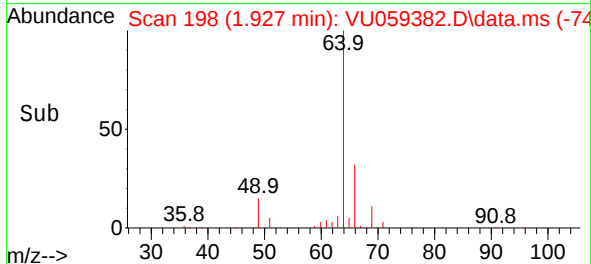
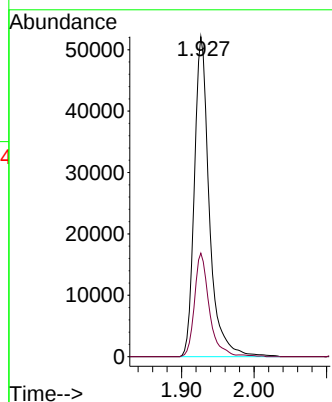


#8
Chloroethane
Concen: 43.103 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Instrument :
MSVOA_U
ClientSampleId :

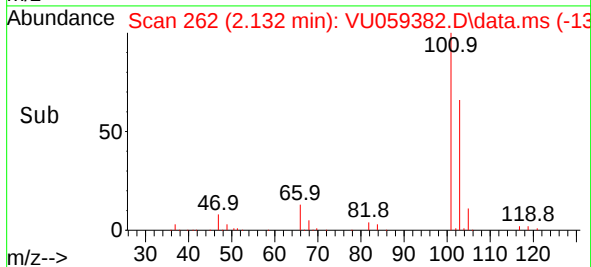
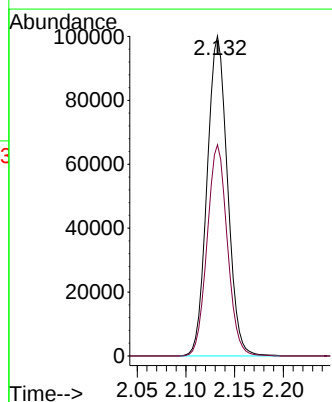
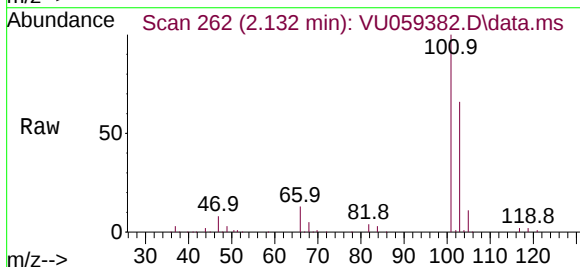


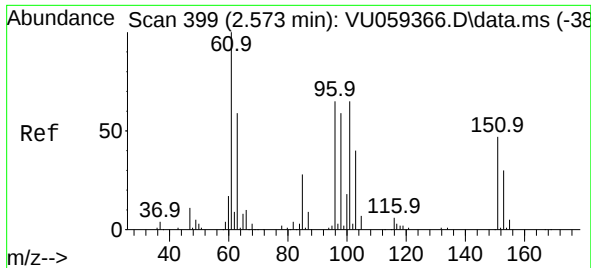
Tgt Ion: 64 Resp: 74842
Ion Ratio Lower Upper
64 100
66 32.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 44.930 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion:101 Resp: 145582
Ion Ratio Lower Upper
101 100
103 65.3 51.8 77.6

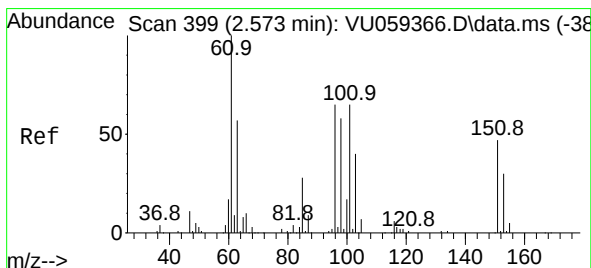
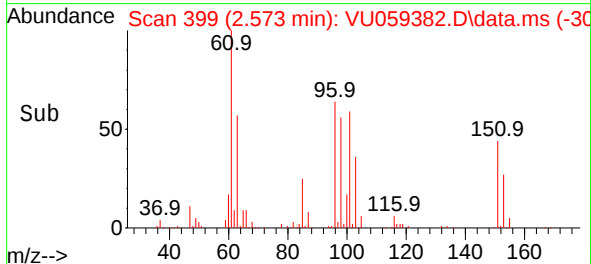
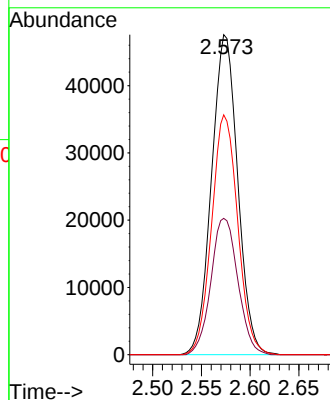
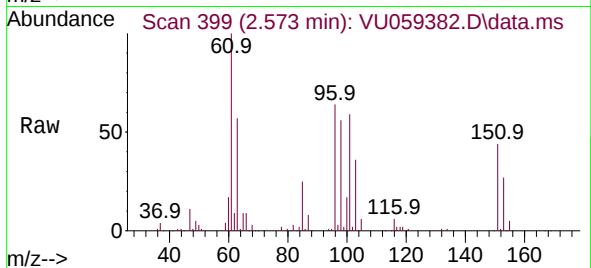




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.156 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

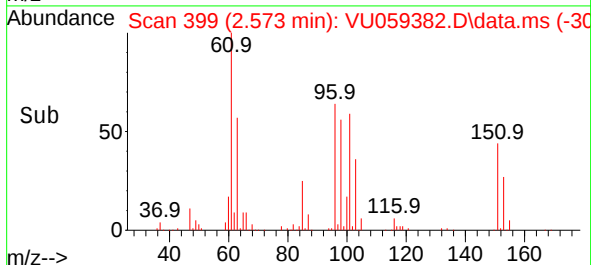
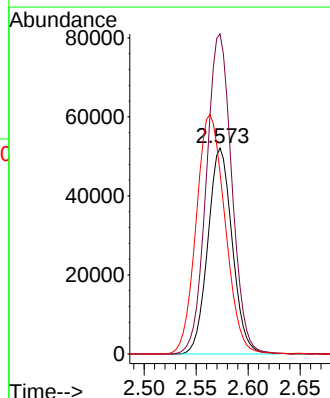
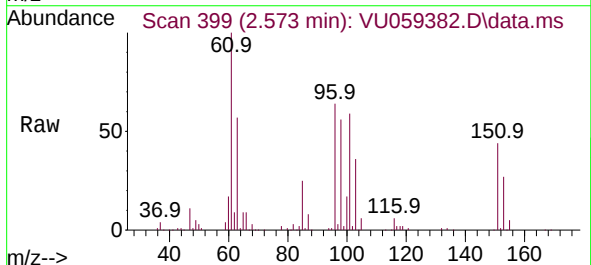
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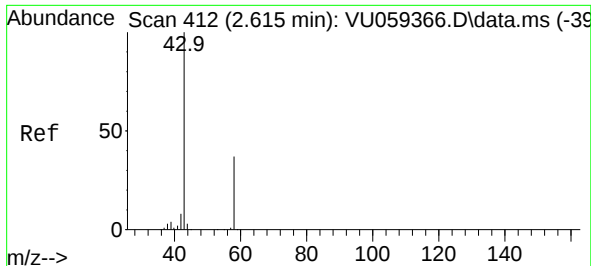
Tgt Ion:101 Resp: 88899
Ion Ratio Lower Upper
101 100
85 43.8 36.7 55.1
151 74.8 52.2 78.2



#12
1,1-Dichloroethene
Concen: 49.702 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion: 96 Resp: 84985
Ion Ratio Lower Upper
96 100
61 155.5 126.3 234.6
63 88.1 78.7 146.1





#13

Acetone

Concen: 60.982 ug/L

RT: 2.615 min Scan# 412

Delta R.T. -0.000 min

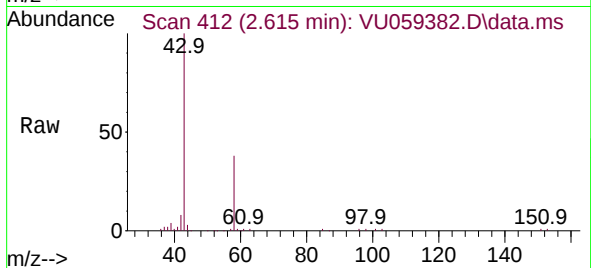
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Instrument :

MSVOA_U

ClientSampleId :

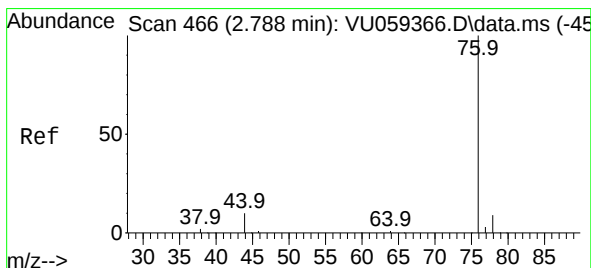
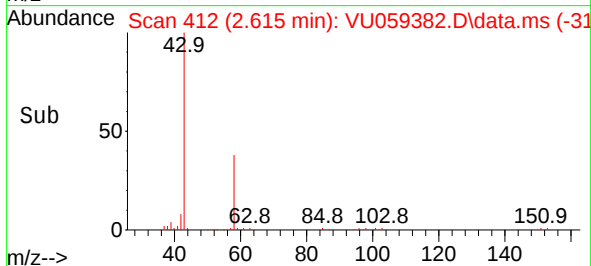
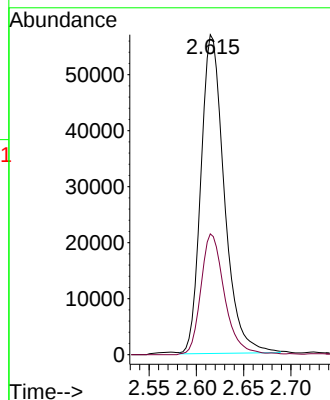


Tgt Ion: 43 Resp: 97889

Ion Ratio Lower Upper

43 100

58 38.1 0.0 68.8



#14

Carbon disulfide

Concen: 41.007 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU059382.D

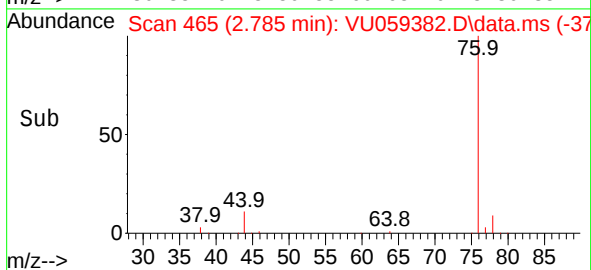
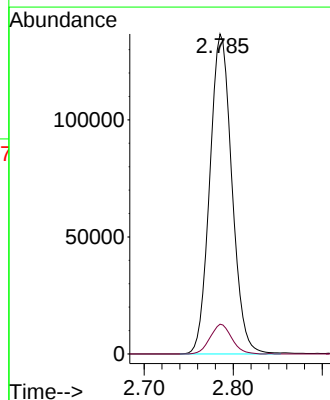
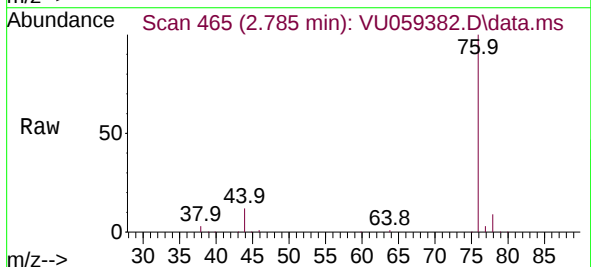
Acq: 20 Jun 2024 15:56

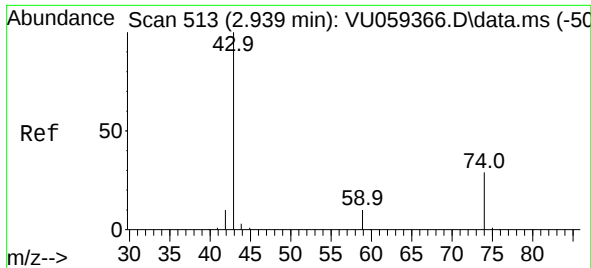
Tgt Ion: 76 Resp: 236145

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8





#15

Methyl Acetate

Concen: 43.175 ug/L

RT: 2.939 min Scan# 513

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

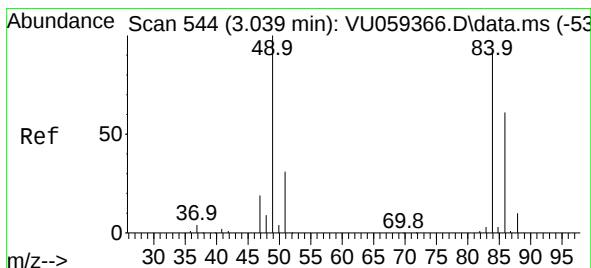
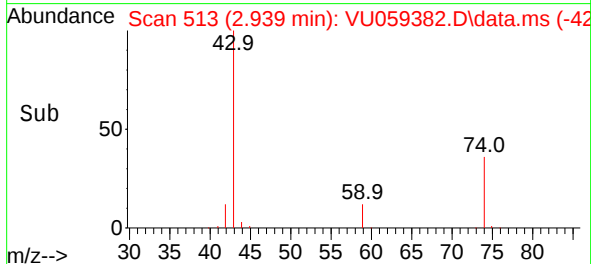
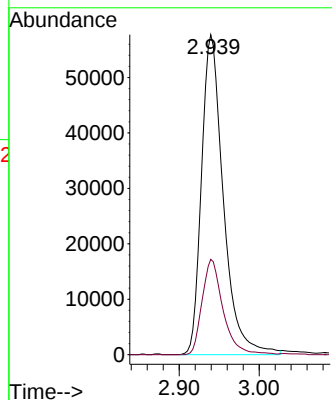
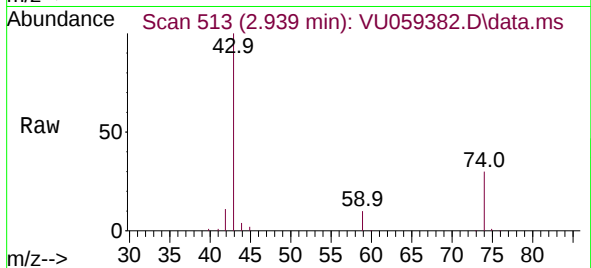
ClientSampleId :

Tgt Ion: 43 Resp: 109780

Ion Ratio Lower Upper

43 100

74 28.5 20.8 31.2



#16

Methylene chloride

Concen: 43.926 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

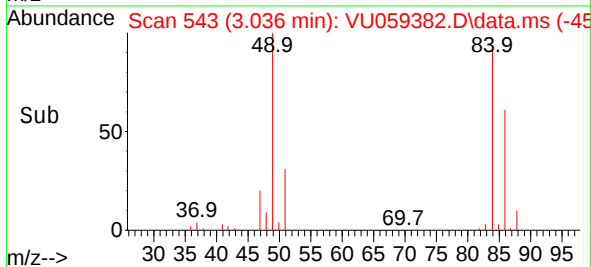
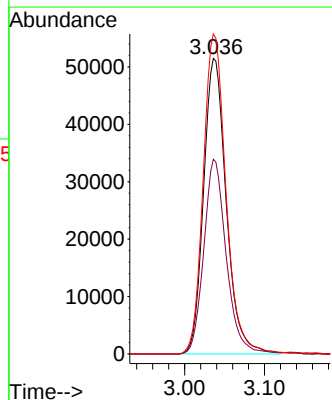
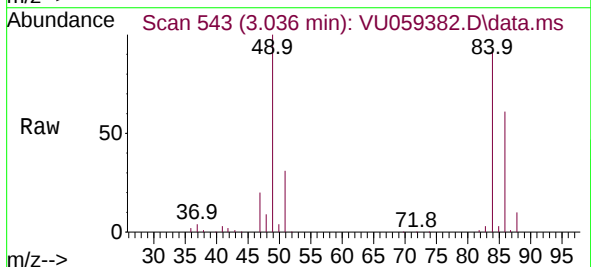
Tgt Ion: 84 Resp: 101625

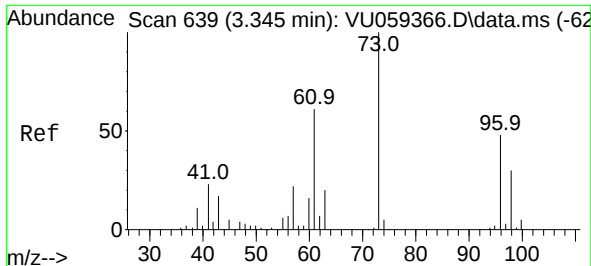
Ion Ratio Lower Upper

84 100

86 65.9 44.9 83.3

49 108.3 87.5 162.5

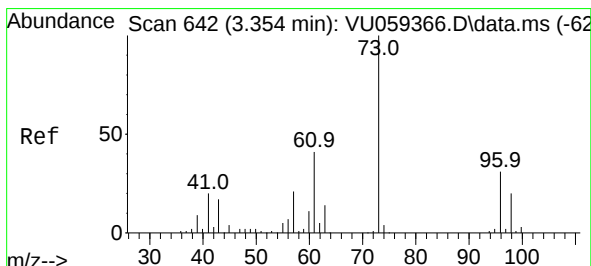
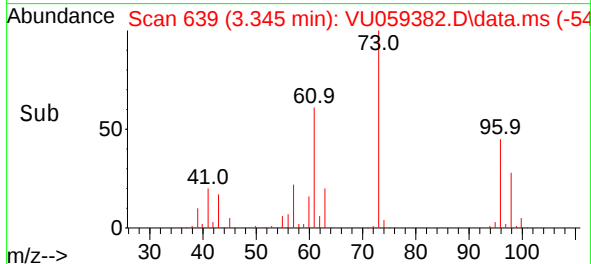
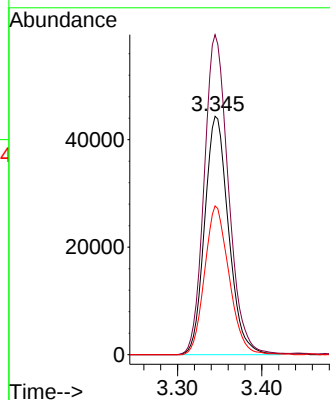
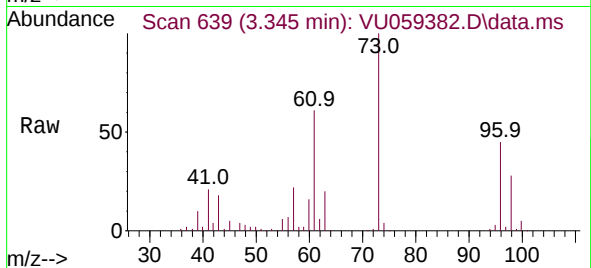




#17
trans-1,2-Dichloroethene
Concen: 47.630 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

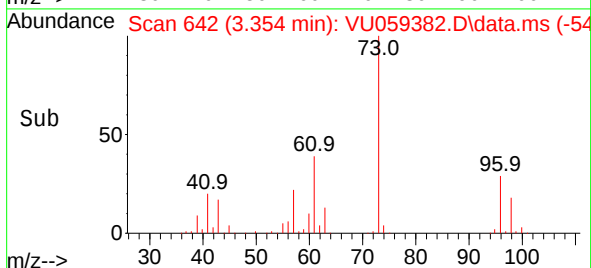
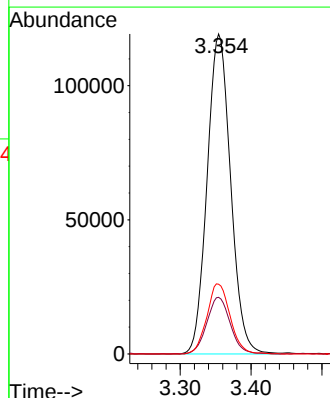
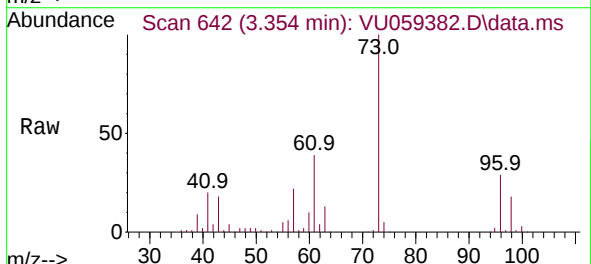
Instrument :
MSVOA_U
ClientSampleId :

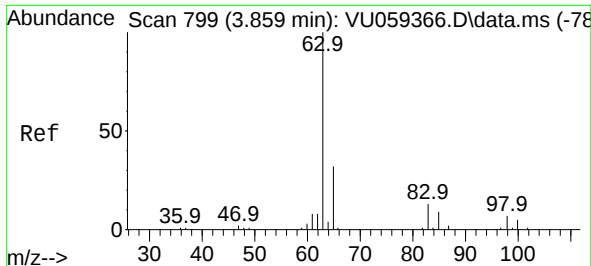
Tgt Ion: 96 Resp: 87902
Ion Ratio Lower Upper
96 100
61 134.2 103.5 192.3
98 62.4 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 45.825 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion: 73 Resp: 274710
Ion Ratio Lower Upper
73 100
43 17.7 15.6 23.4
57 21.6 18.6 28.0





#19

1,1-Dichloroethane

Concen: 43.308 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

ClientSampleId :

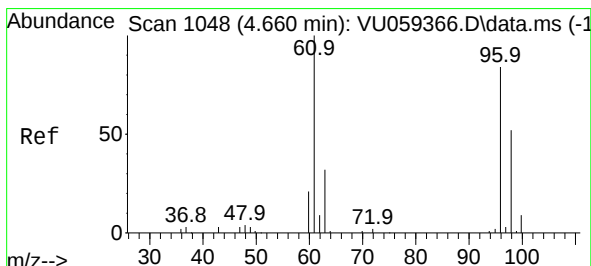
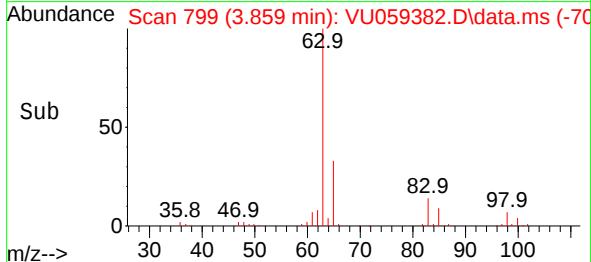
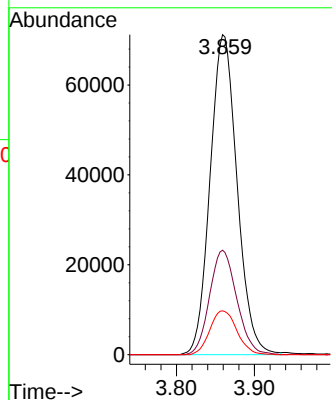
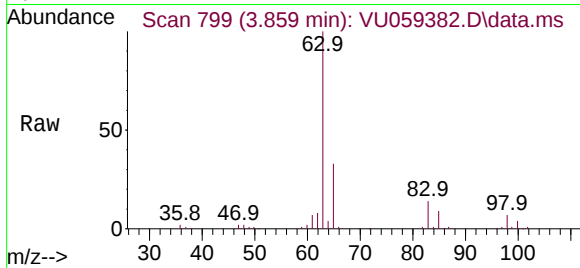
Tgt Ion: 63 Resp: 171318

Ion Ratio Lower Upper

63 100

65 32.7 21.3 39.5

83 13.7 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 47.735 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

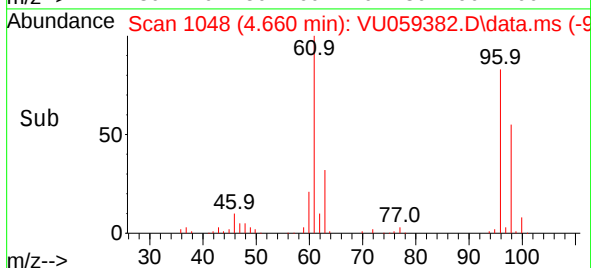
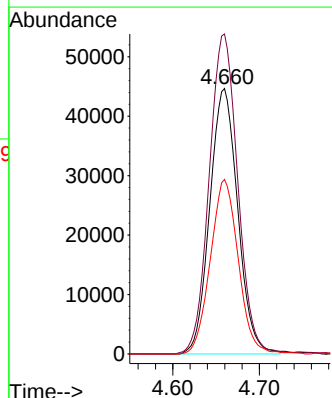
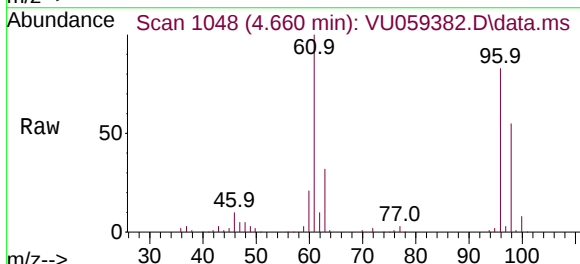
Tgt Ion: 96 Resp: 100388

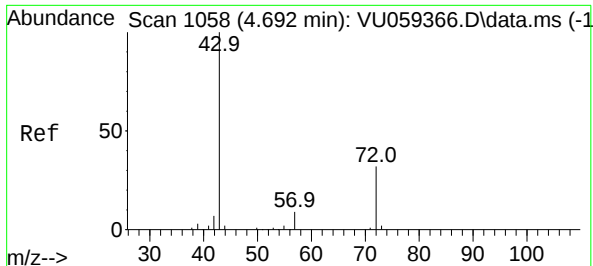
Ion Ratio Lower Upper

96 100

61 120.5 96.2 178.6

98 65.8 45.6 84.6

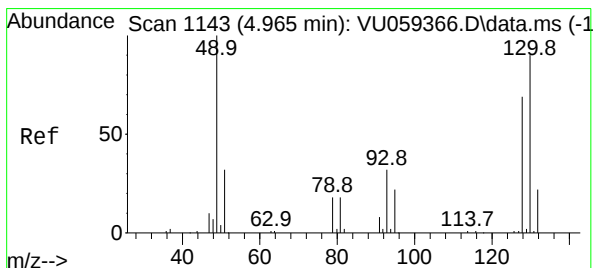
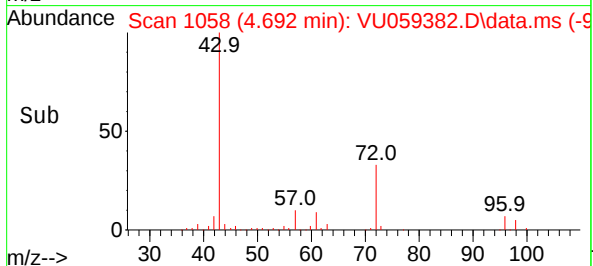
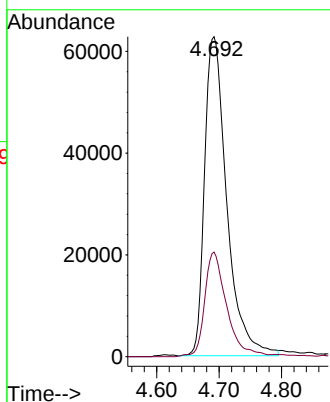
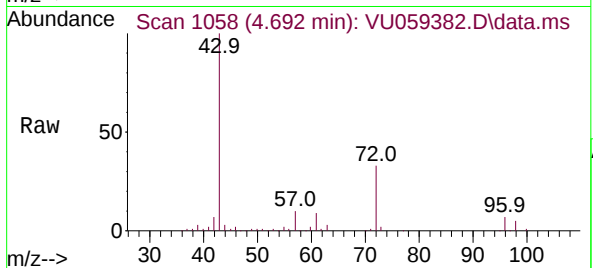




#22
2-Butanone
Concen: 79.943 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

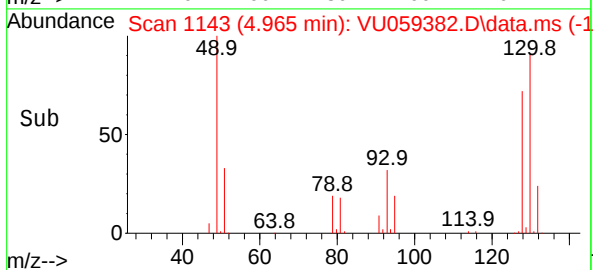
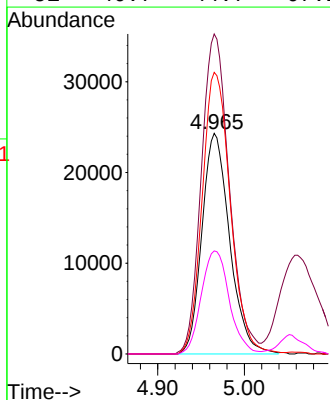
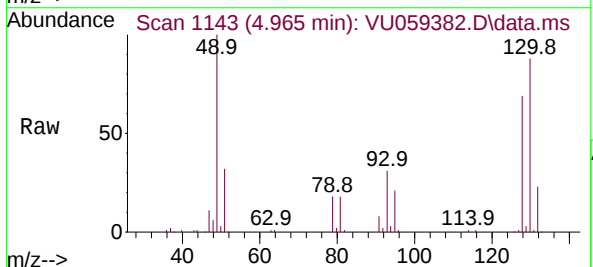
Instrument :
MSVOA_U
ClientSampleId :

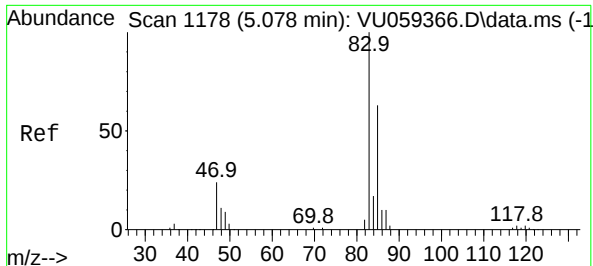
Tgt Ion: 43 Resp: 155362
Ion Ratio Lower Upper
43 100
72 31.0 14.2 42.8



#23
Bromochloromethane
Concen: 50.651 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion:128 Resp: 53956
Ion Ratio Lower Upper
128 100
49 145.0 128.4 238.4
130 127.6 86.9 161.3
51 46.7 44.7 67.1





#25

Chloroform

Concen: 46.856 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

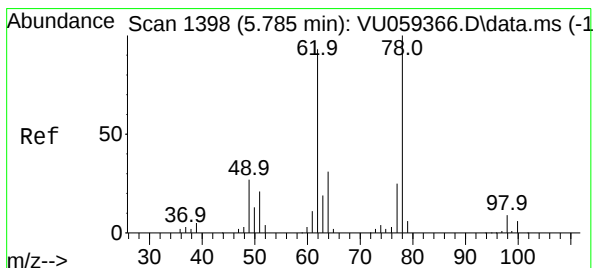
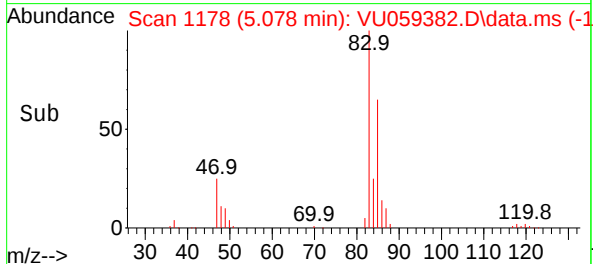
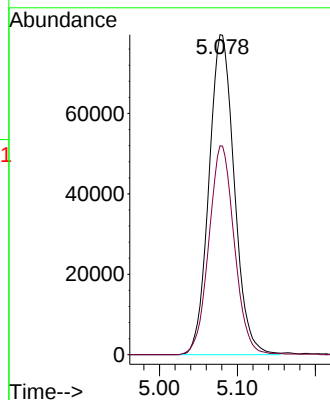
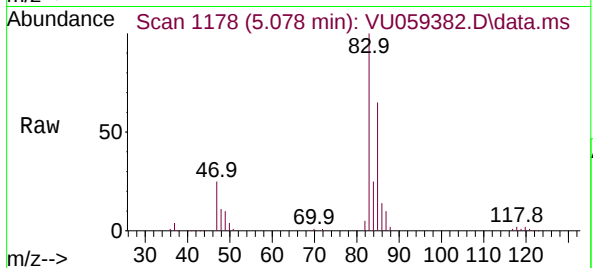
ClientSampleId :

Tgt Ion: 83 Resp: 179477

Ion Ratio Lower Upper

83 100

85 65.3 46.1 85.7



#27

1,2-Dichloroethane

Concen: 43.077 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU059382.D

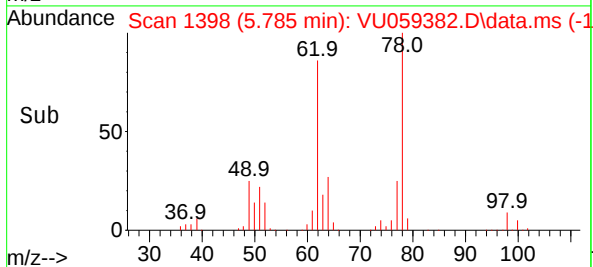
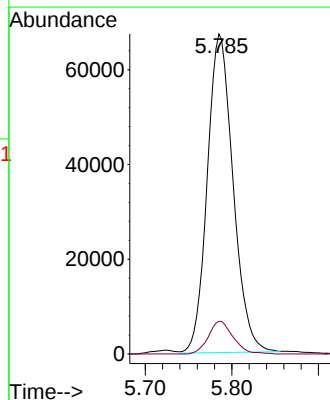
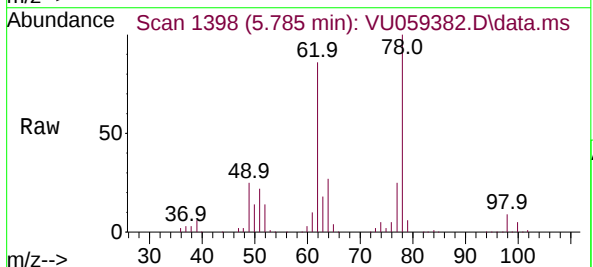
Acq: 20 Jun 2024 15:56

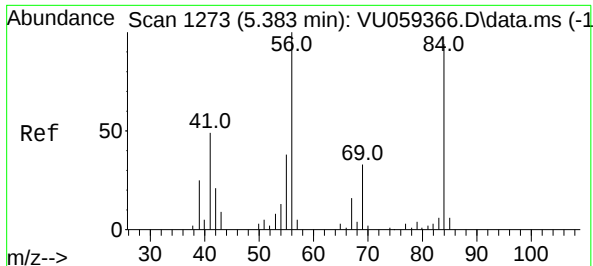
Tgt Ion: 62 Resp: 139390

Ion Ratio Lower Upper

62 100

98 10.2 6.9 10.3

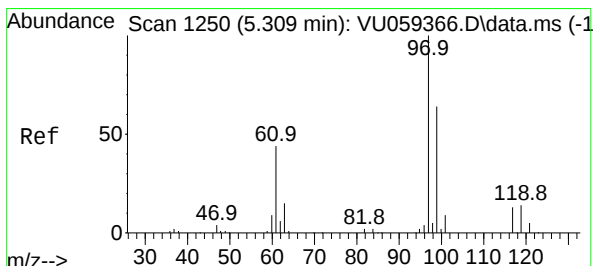
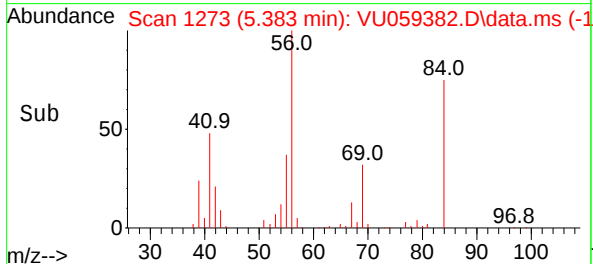
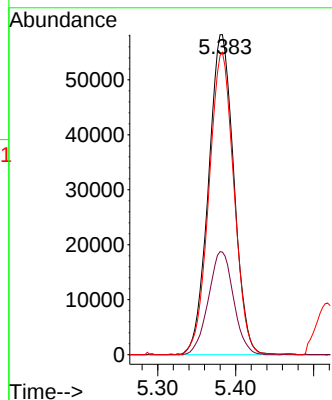
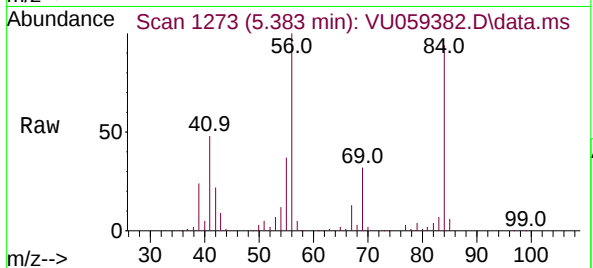




#29
Cyclohexane
Concen: 40.896 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

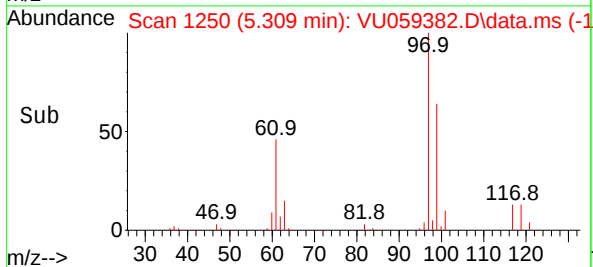
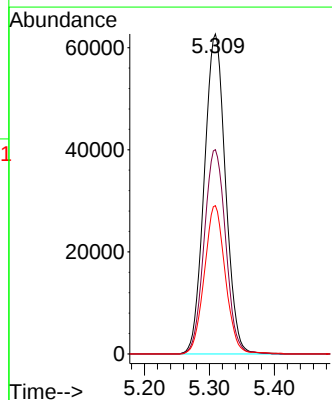
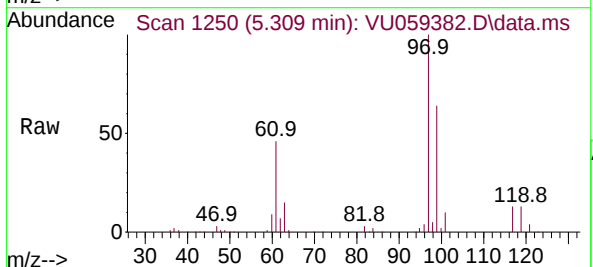
Instrument :
MSVOA_U
ClientSampleId :

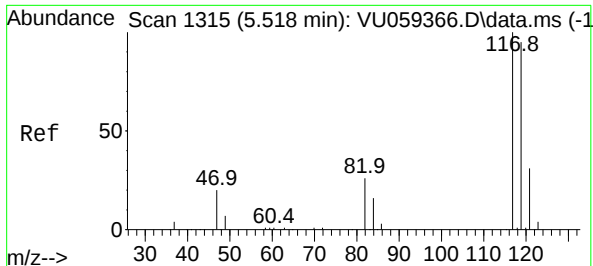
Tgt Ion: 56 Resp: 131373
Ion Ratio Lower Upper
56 100
69 32.0 24.6 37.0
84 93.2 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 45.572 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion: 97 Resp: 142570
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 45.6 39.1 58.7

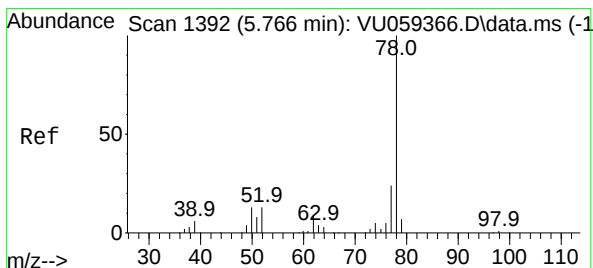
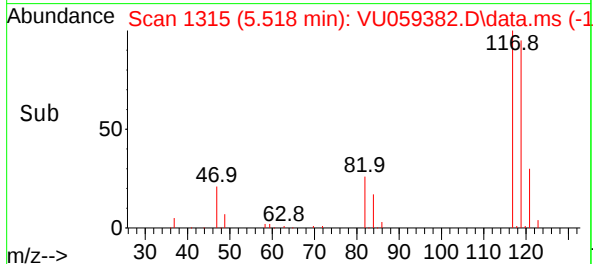
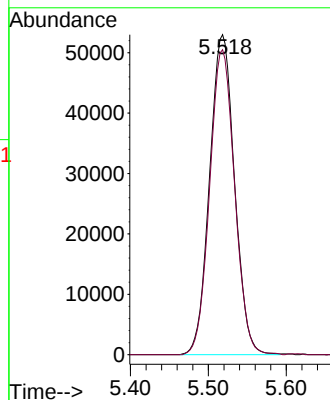
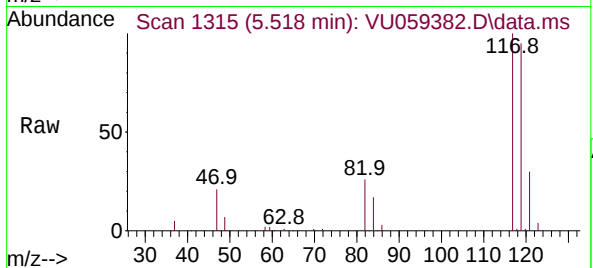




#31
Carbon tetrachloride
Concen: 46.361 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

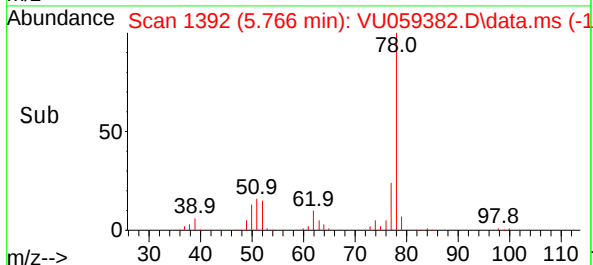
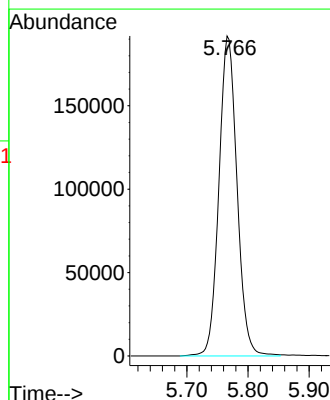
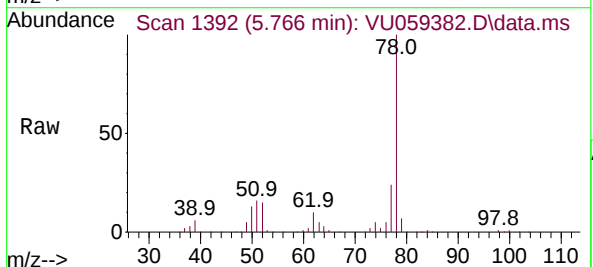
Instrument :
MSVOA_U
ClientSampleId :

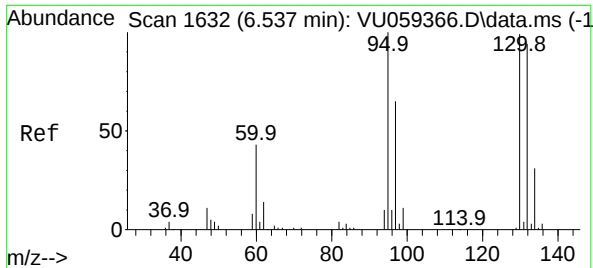
Tgt Ion:117 Resp: 117810
Ion Ratio Lower Upper
117 100
119 95.2 76.9 115.3



#33
Benzene
Concen: 45.377 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion: 78 Resp: 394259

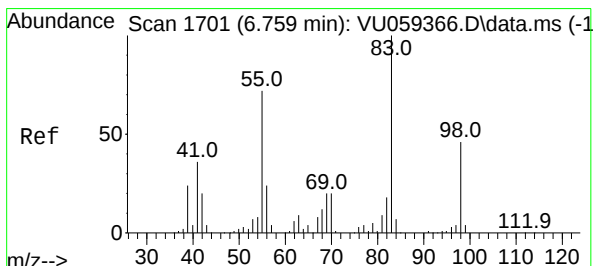
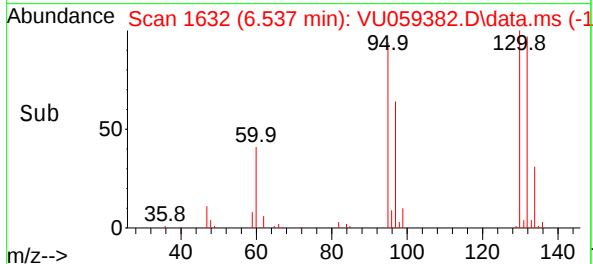
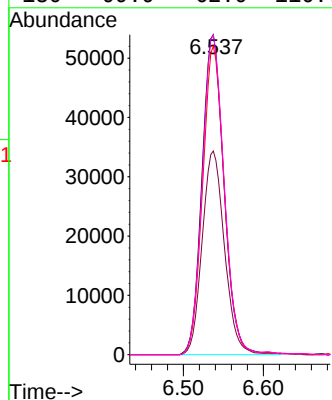
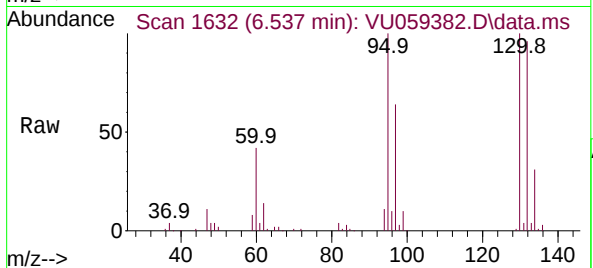




#34
Trichloroethene
Concen: 48.533 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

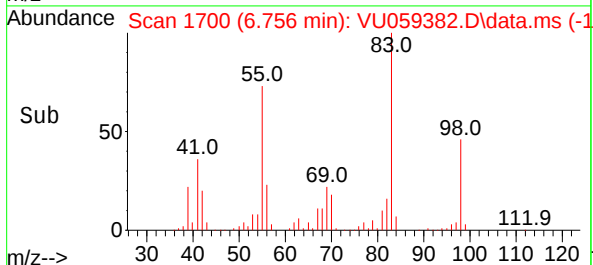
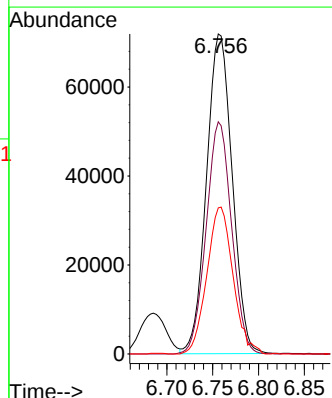
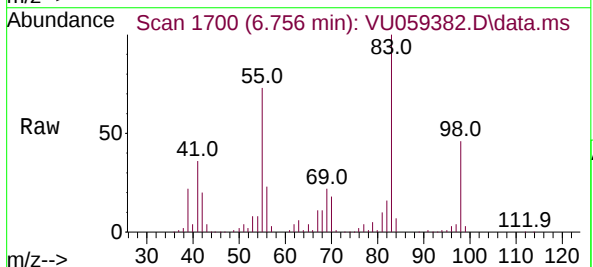
Instrument :
MSVOA_U
ClientSampleId :

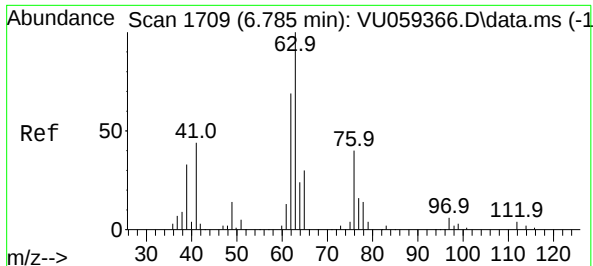
Tgt Ion: 95 Resp: 103250
Ion Ratio Lower Upper
95 100
97 63.7 45.2 84.0
132 96.4 60.6 112.6
130 99.9 62.9 116.7



#35
Methylcyclohexane
Concen: 44.823 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion: 83 Resp: 140208
Ion Ratio Lower Upper
83 100
55 71.9 63.9 95.9
98 45.8 34.7 52.1

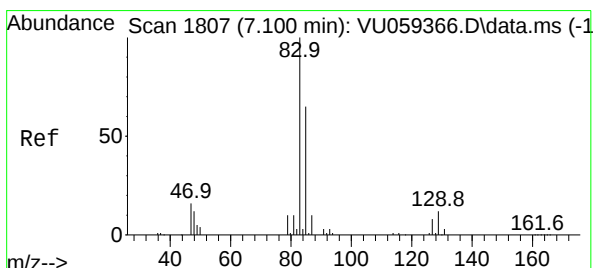
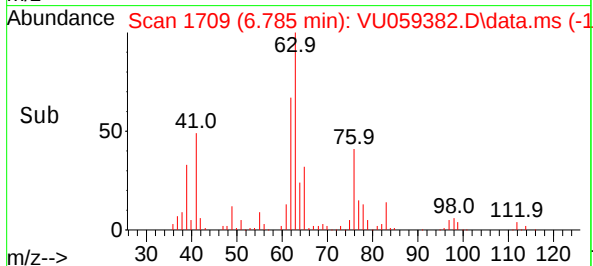
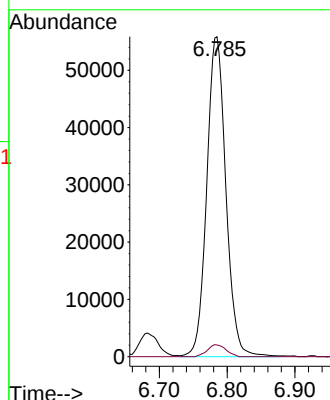
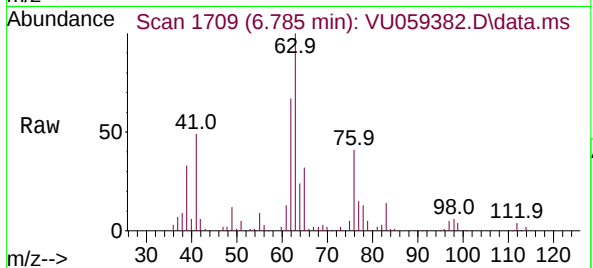




#37
1,2-Dichloropropane
Concen: 44.365 ug/L
RT: 6.785 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

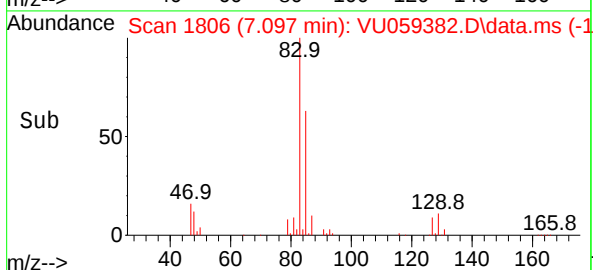
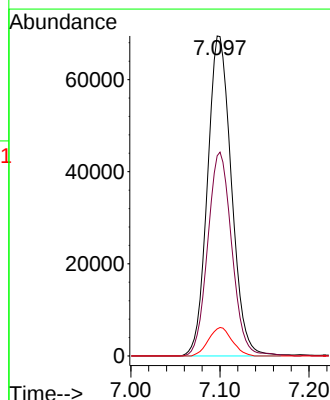
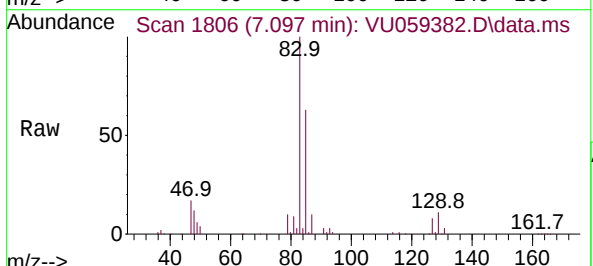
Instrument :
MSVOA_U
ClientSampleId :

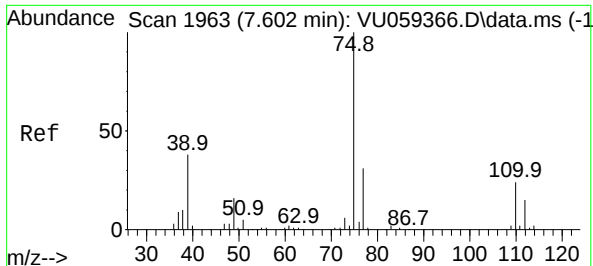
Tgt Ion: 63 Resp: 109455
Ion Ratio Lower Upper
63 100
112 3.7 2.6 4.0



#38
Bromodichloromethane
Concen: 45.138 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion: 83 Resp: 129719
Ion Ratio Lower Upper
83 100
85 62.6 44.0 81.6
127 8.4 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 44.939 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

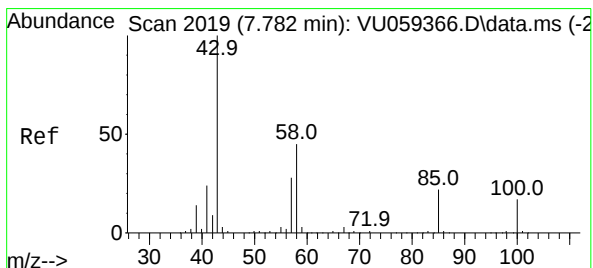
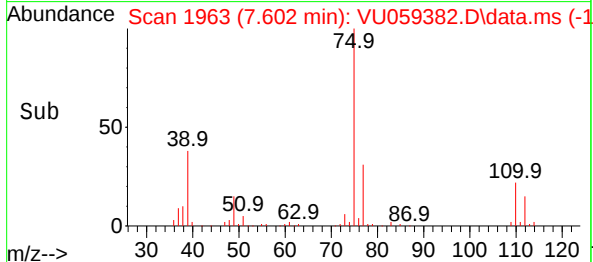
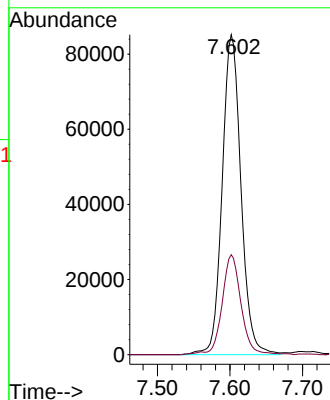
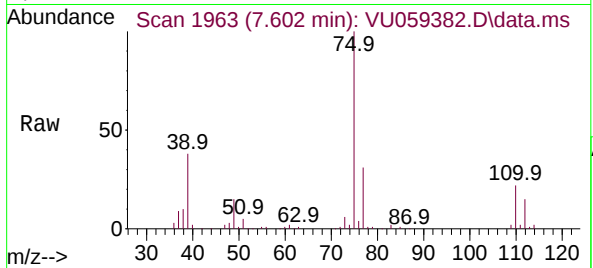
ClientSampleId :

Tgt Ion: 75 Resp: 153401

Ion Ratio Lower Upper

75 100

77 31.2 21.2 39.4



#40

4-Methyl-2-pentanone

Concen: 88.377 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

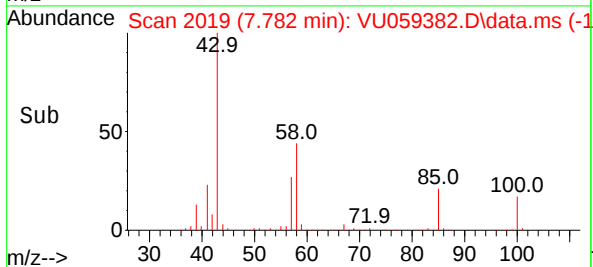
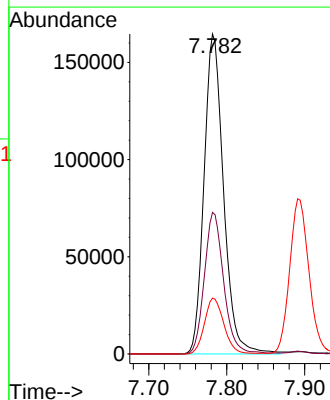
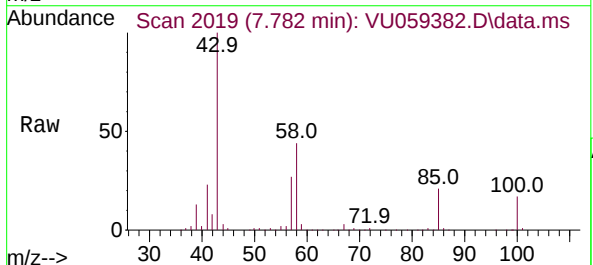
Tgt Ion: 43 Resp: 285851

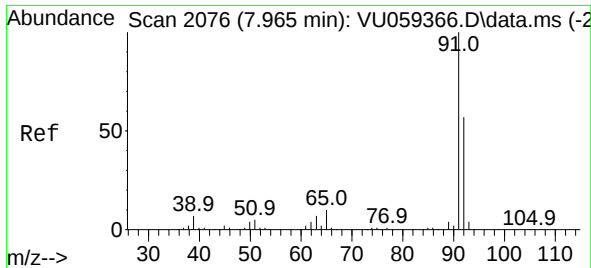
Ion Ratio Lower Upper

43 100

58 43.9 33.7 50.5

100 17.4 11.4 17.0#





#42

Toluene

Concen: 48.745 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

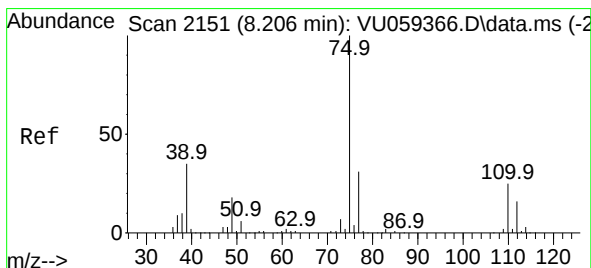
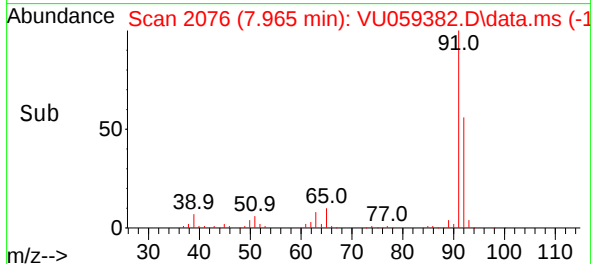
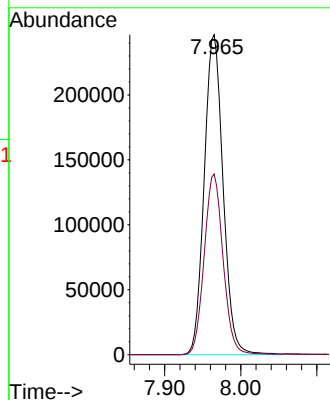
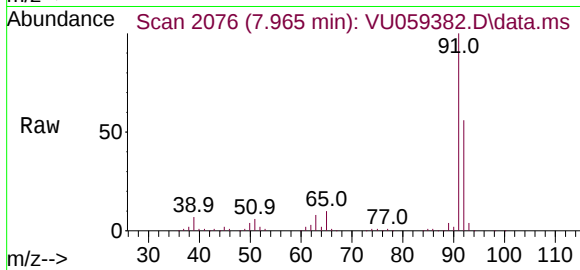
ClientSampleId :

Tgt Ion: 91 Resp: 425117

Ion Ratio Lower Upper

91 100

92 56.4 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 44.413 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU059382.D

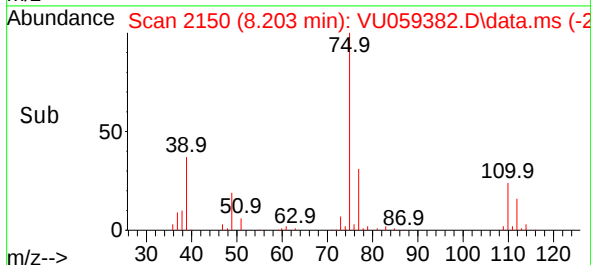
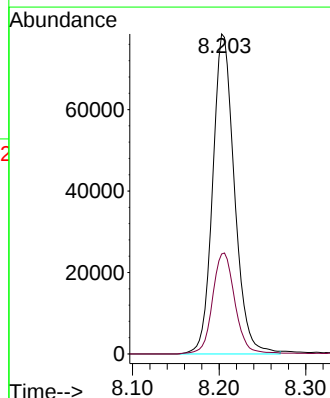
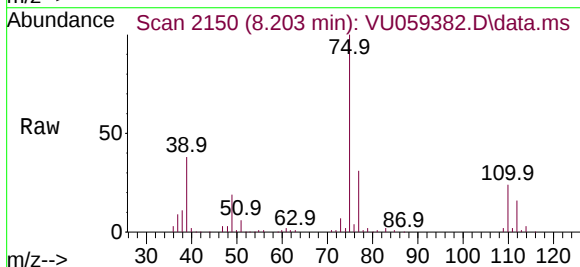
Acq: 20 Jun 2024 15:56

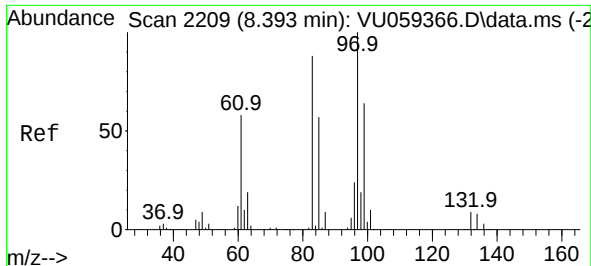
Tgt Ion: 75 Resp: 137253

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8

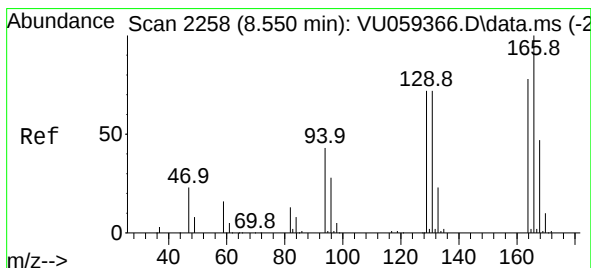
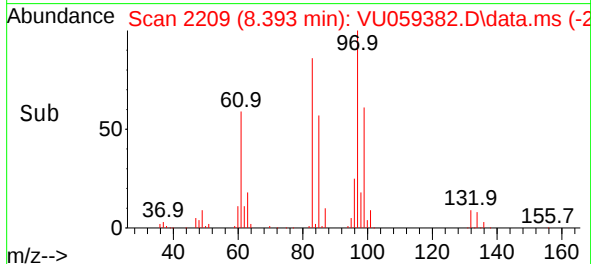
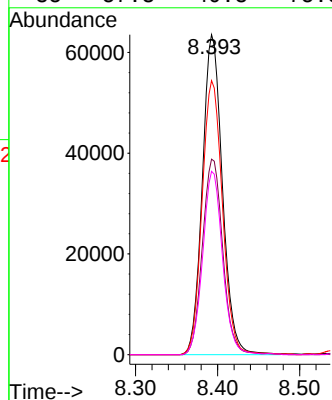
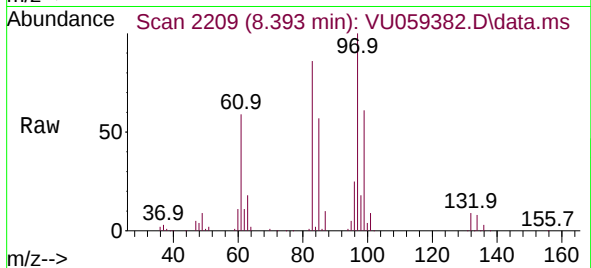




#45
1,1,2-Trichloroethane
Concen: 48.662 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

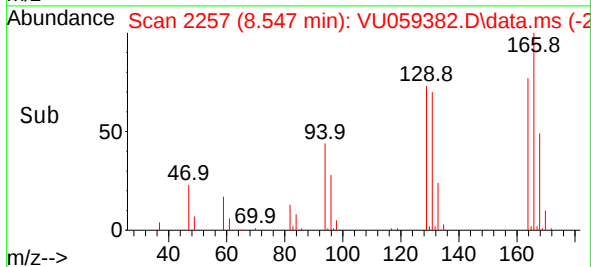
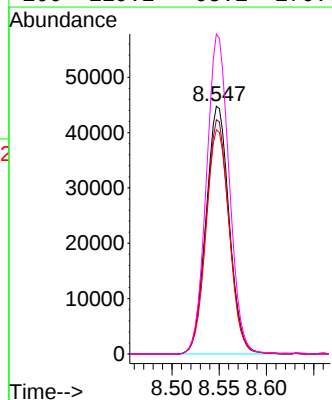
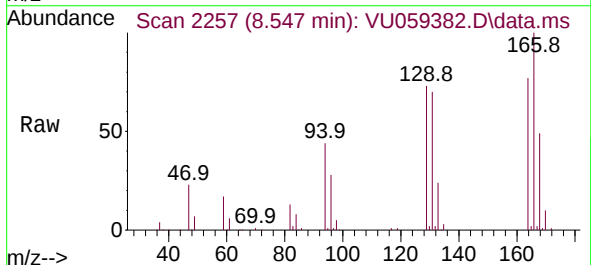
Instrument :
MSVOA_U
ClientSampleId :

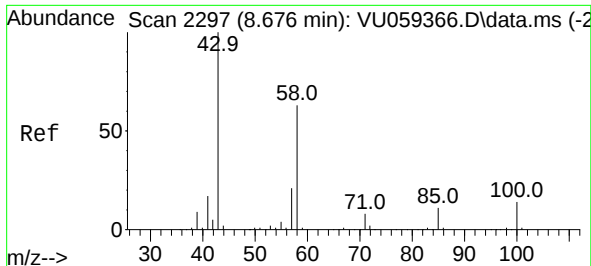
Tgt Ion:	97	Resp:	107944
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.0	81.6
83	85.6	63.6	118.2
85	57.3	40.8	75.8



#46
Tetrachloroethene
Concen: 54.057 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion:	164	Resp:	76602
Ion	Ratio	Lower	Upper
164	100		
129	94.5	74.5	138.5
131	90.5	70.6	131.0
166	129.2	95.1	176.7





#48

2-Hexanone

Concen: 85.652 ug/L

RT: 8.676 min Scan# 2297

Delta R.T. -0.000 min MSVOA_U

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 233650

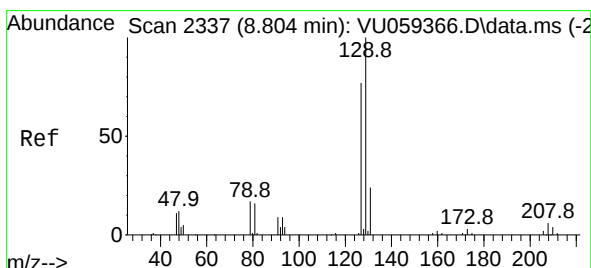
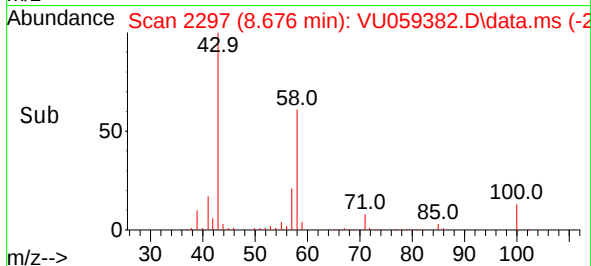
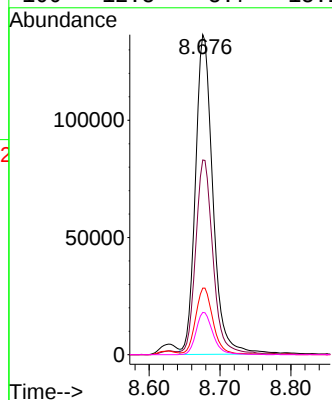
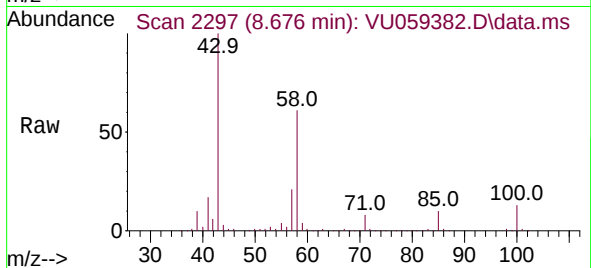
Ion Ratio Lower Upper

43 100

58 58.5 45.9 68.9

57 20.0 16.3 24.5

100 12.8 8.7 13.1



#49

Dibromochloromethane

Concen: 49.675 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VU059382.D

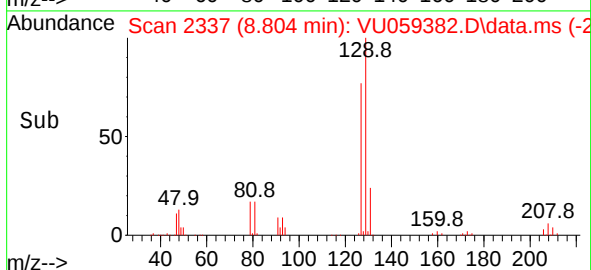
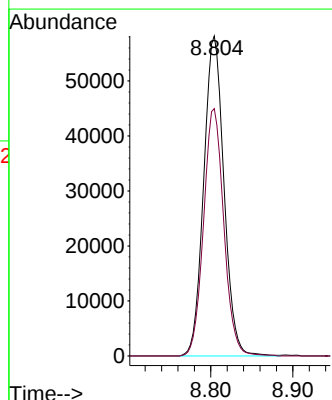
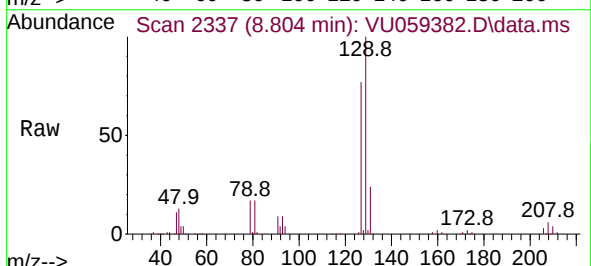
Acq: 20 Jun 2024 15:56

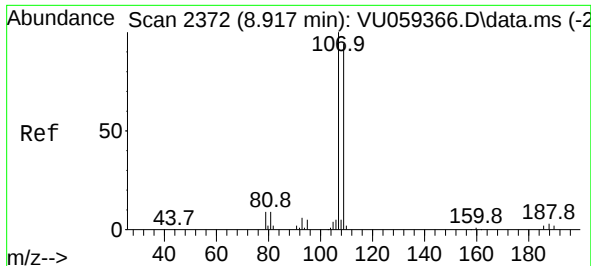
Tgt Ion: 129 Resp: 99584

Ion Ratio Lower Upper

129 100

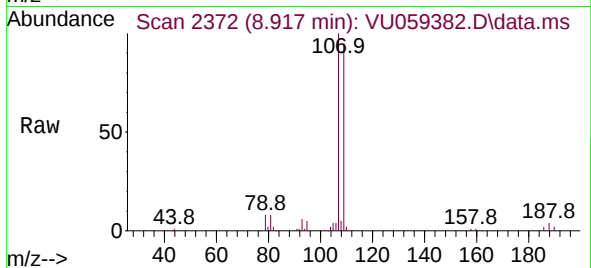
127 77.3 53.3 98.9



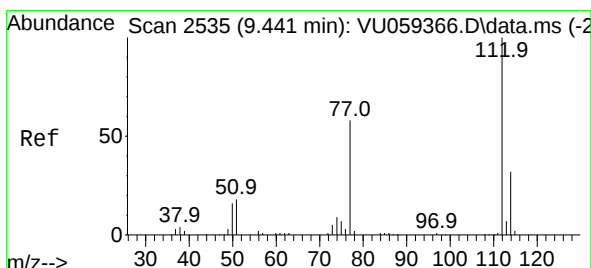
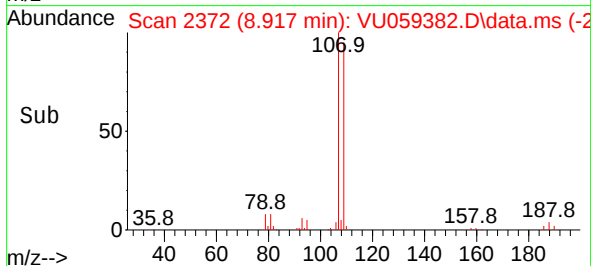
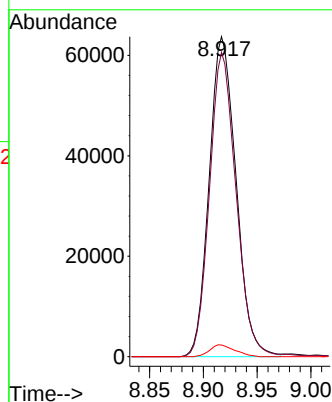


#50
1,2-Dibromoethane
Concen: 48.294 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Instrument :
MSVOA_U
ClientSampleId :

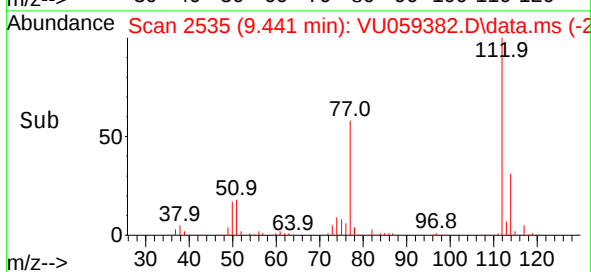
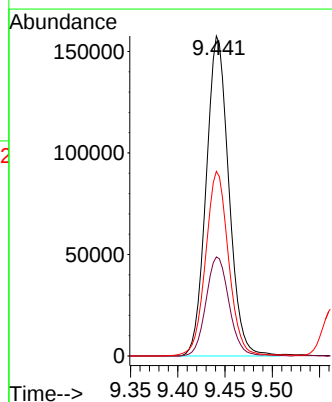
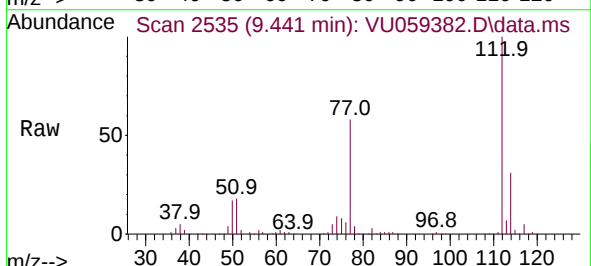


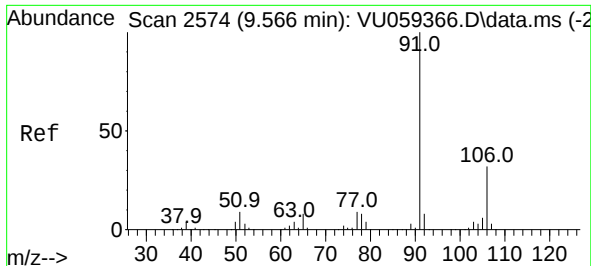
Tgt Ion:107 Resp: 110505
Ion Ratio Lower Upper
107 100
109 95.1 67.8 125.8
188 3.7 2.5 3.7



#51
Chlorobenzene
Concen: 50.010 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion:112 Resp: 263241
Ion Ratio Lower Upper
112 100
114 31.0 22.1 41.1
77 57.7 49.8 74.6





#52

Ethylbenzene

Concen: 48.709 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

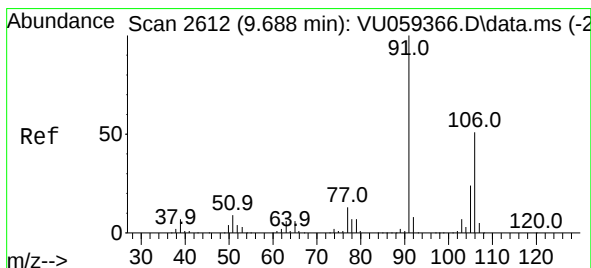
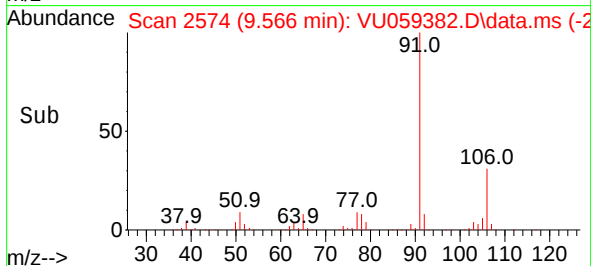
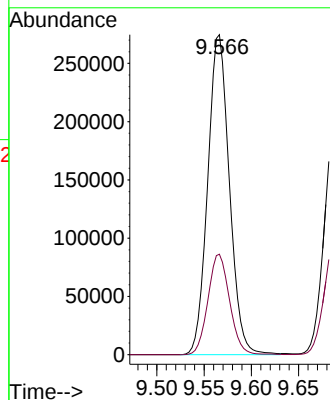
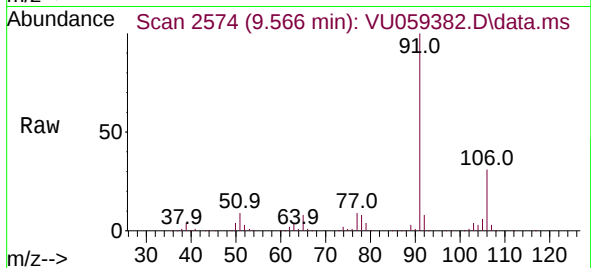
ClientSampleId :

Tgt Ion: 91 Resp: 437949

Ion Ratio Lower Upper

91 100

106 31.4 21.0 39.0



#53

m,p-Xylene

Concen: 50.788 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU059382.D

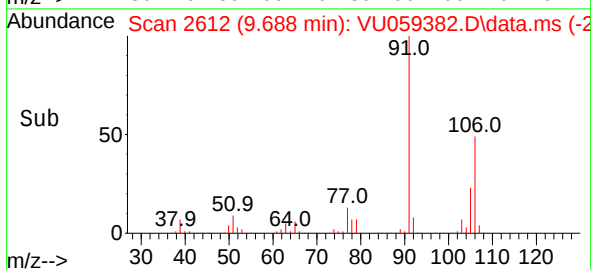
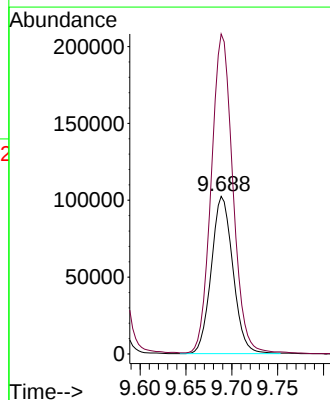
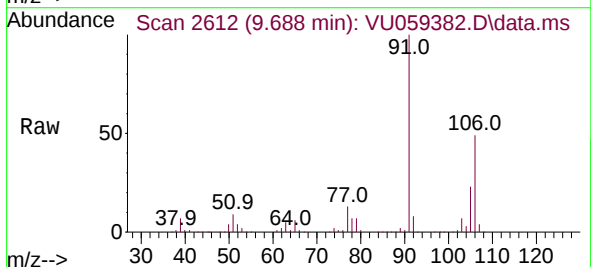
Acq: 20 Jun 2024 15:56

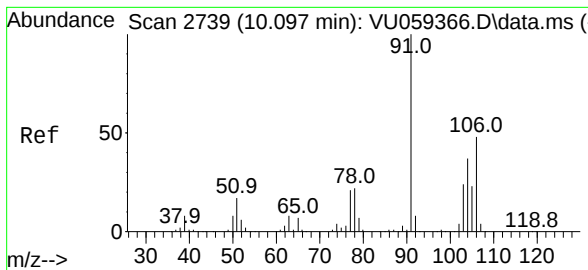
Tgt Ion:106 Resp: 167827

Ion Ratio Lower Upper

106 100

91 203.0 146.4 272.0

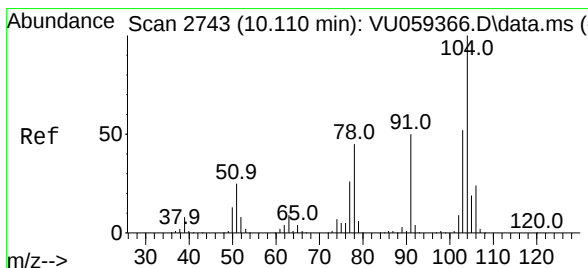
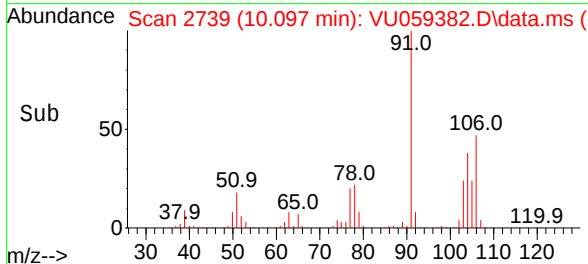
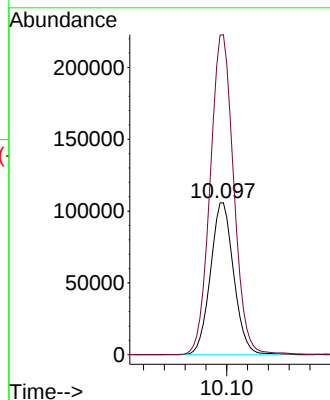
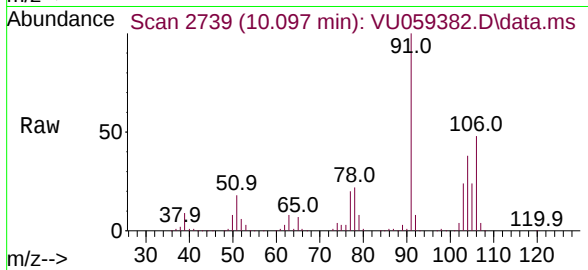




#54
o-Xylene
Concen: 51.342 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

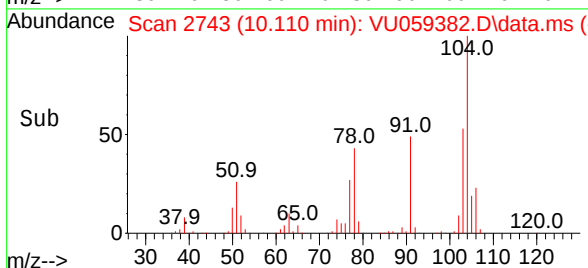
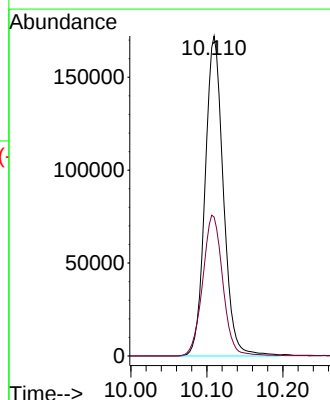
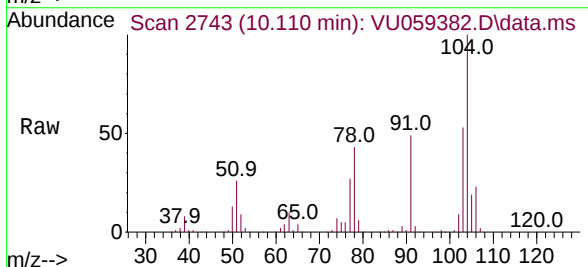
Instrument :
MSVOA_U
ClientSampleId :

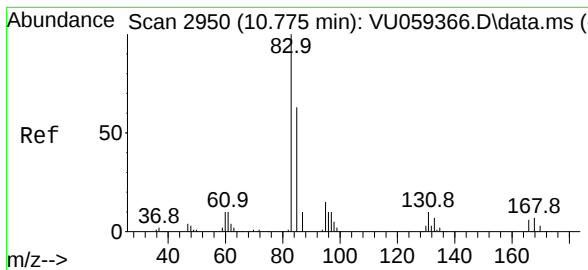
Tgt Ion:106 Resp: 164421
Ion Ratio Lower Upper
106 100
91 210.5 156.7 290.9



#55
Styrene
Concen: 52.777 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion:104 Resp: 287294
Ion Ratio Lower Upper
104 100
78 43.4 34.7 64.5

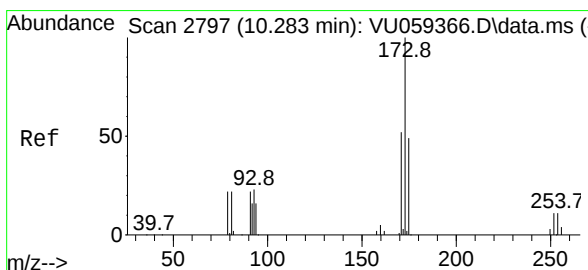
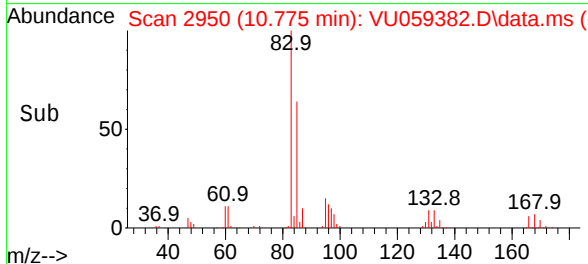
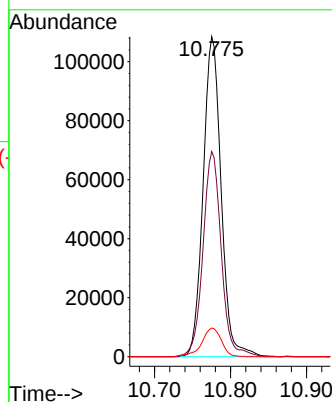
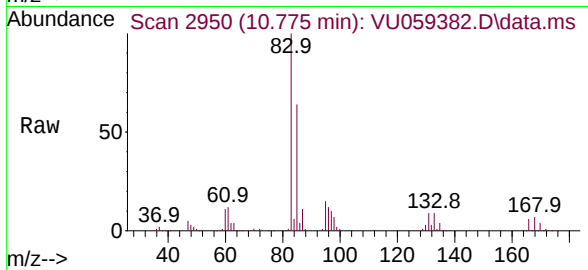




#57
1,1,2,2-Tetrachloroethane
Concen: 44.182 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

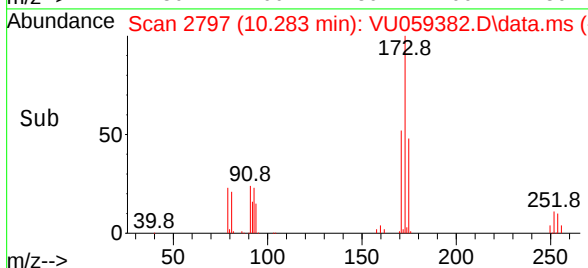
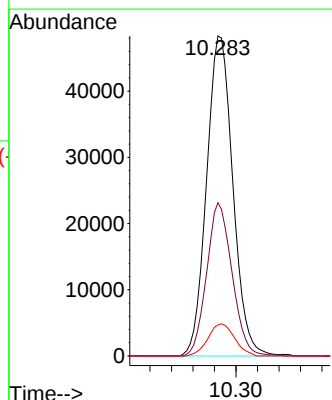
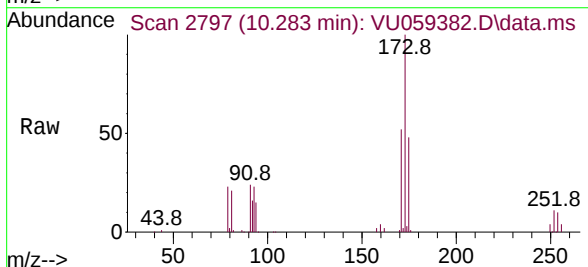
Instrument : MSVOA_U
ClientSampleId :

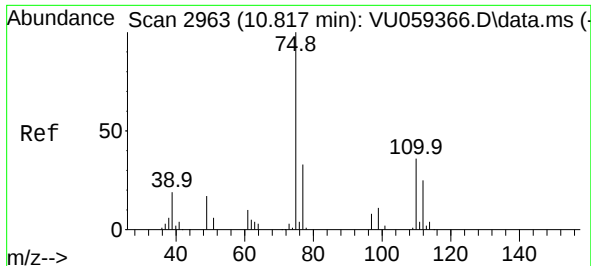
Tgt Ion: 83 Resp: 178534
Ion Ratio Lower Upper
83 100
85 64.1 46.1 85.7
131 8.9 7.0 10.4



#59
Bromoform
Concen: 49.764 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VU059382.D
Acq: 20 Jun 2024 15:56

Tgt Ion:173 Resp: 82006
Ion Ratio Lower Upper
173 100
175 46.2 39.0 58.6
254 10.2 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 41.637 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

ClientSampleId :

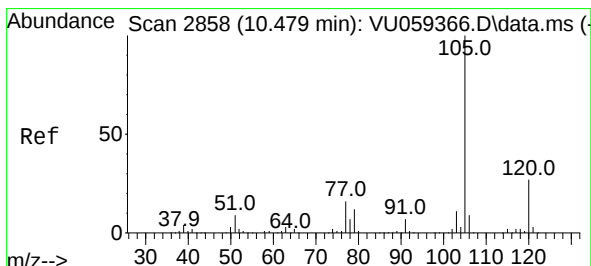
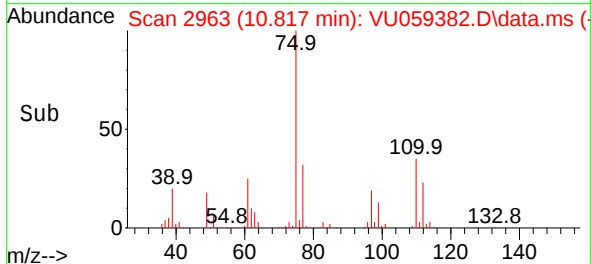
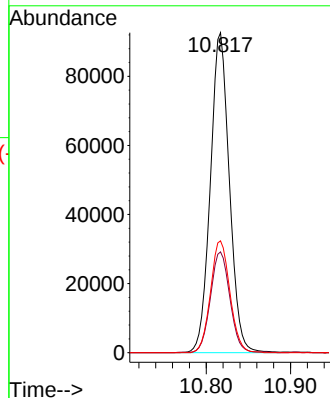
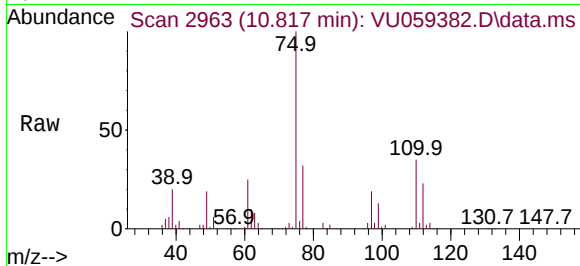
Tgt Ion: 75 Resp: 145525

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

110 35.6 28.4 42.6



#61

Isopropylbenzene

Concen: 48.016 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

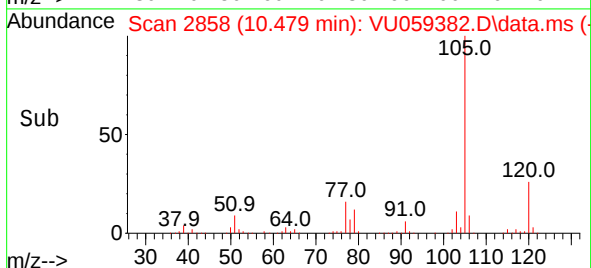
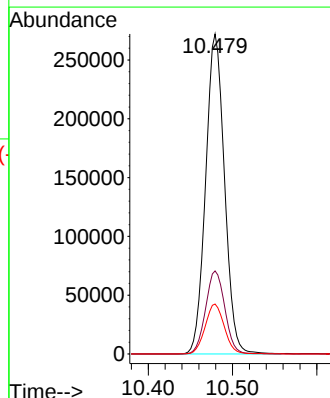
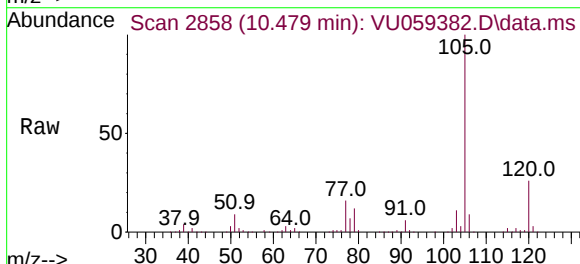
Tgt Ion:105 Resp: 424562

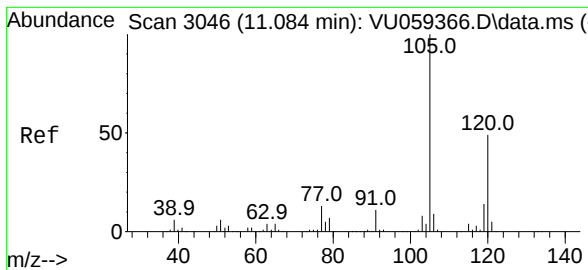
Ion Ratio Lower Upper

105 100

120 26.5 20.3 30.5

77 15.9 13.4 20.0

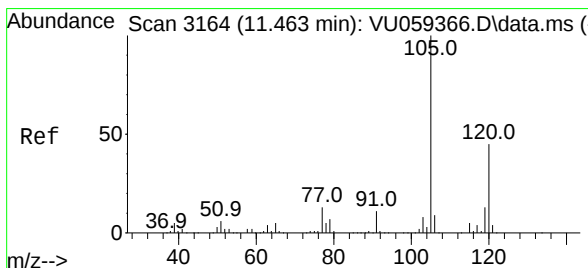
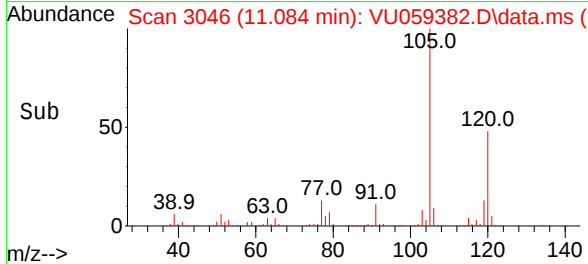
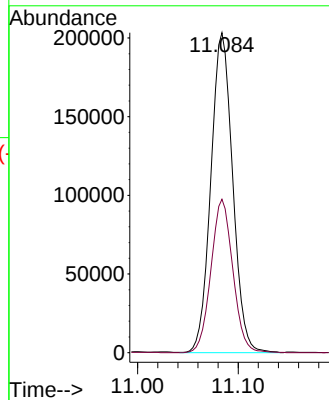
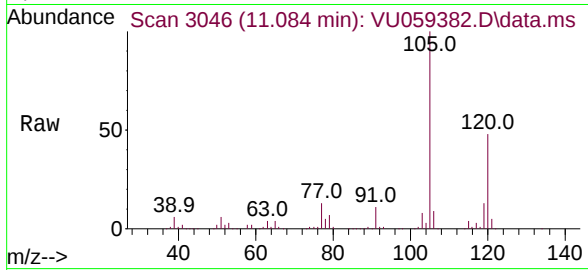




#62
 1,3,5-Trimethylbenzene
 Concen: 47.884 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: VU059382.D
 Acq: 20 Jun 2024 15:56

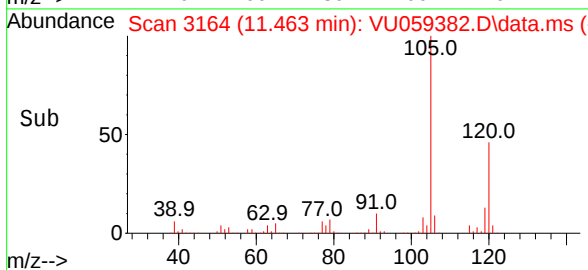
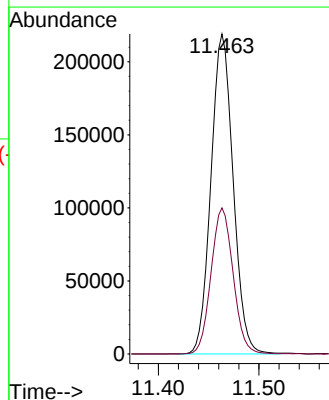
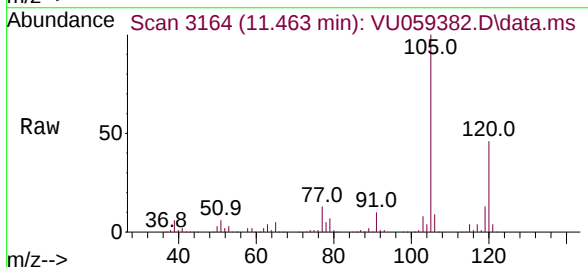
Instrument :
 MSVOA_U
 ClientSampleId :

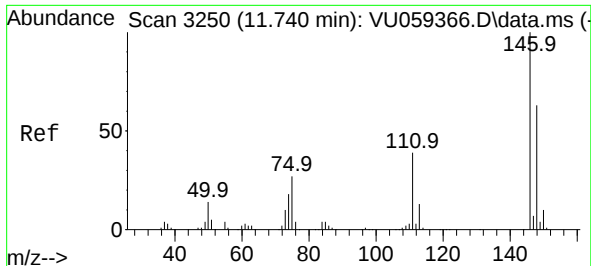
Tgt Ion:105 Resp: 306763
 Ion Ratio Lower Upper
 105 100
 120 48.0 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 48.340 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU059382.D
 Acq: 20 Jun 2024 15:56

Tgt Ion:105 Resp: 335715
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 49.998 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

ClientSampleId :

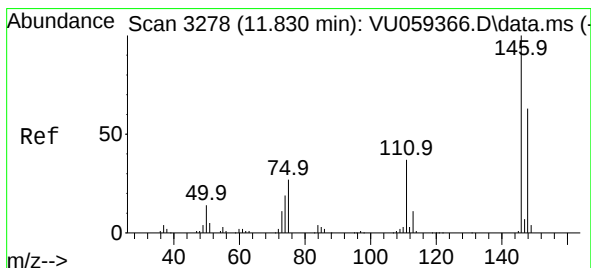
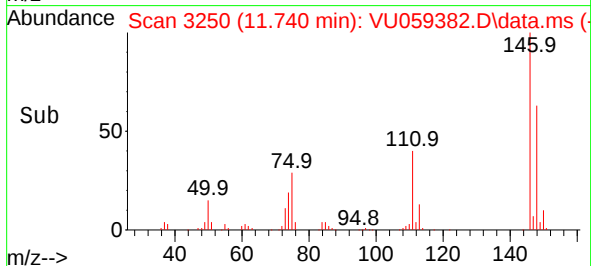
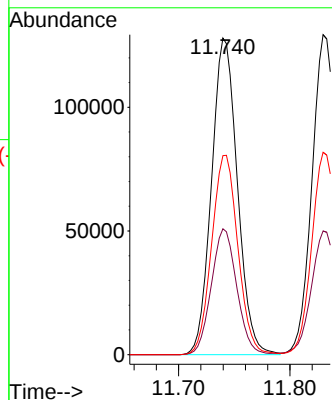
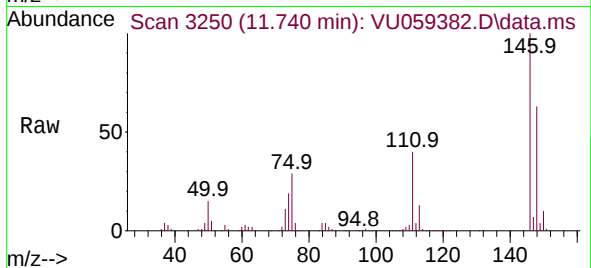
Tgt Ion:146 Resp: 206621

Ion Ratio Lower Upper

146 100

111 39.8 28.7 53.3

148 62.8 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 49.079 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

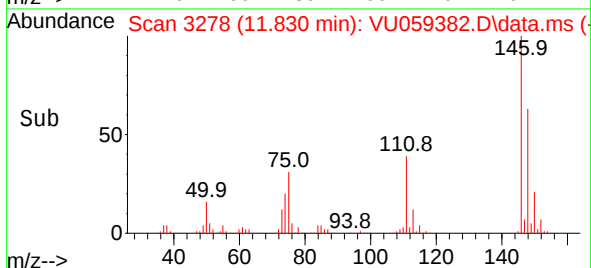
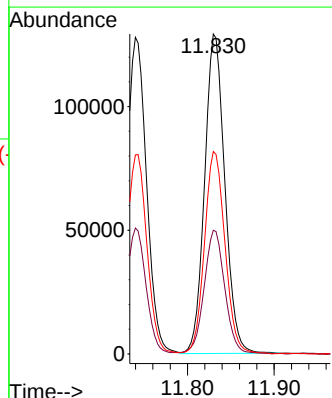
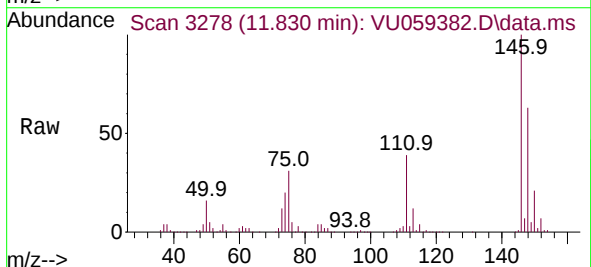
Tgt Ion:146 Resp: 209467

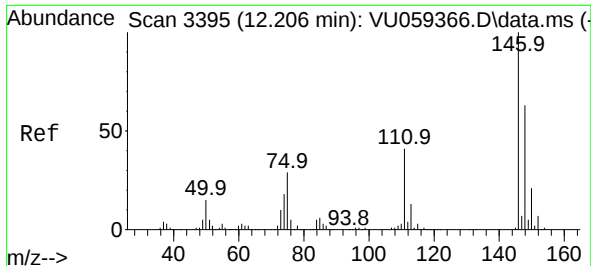
Ion Ratio Lower Upper

146 100

111 38.6 27.9 51.9

148 63.3 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 47.930 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

ClientSampleId :

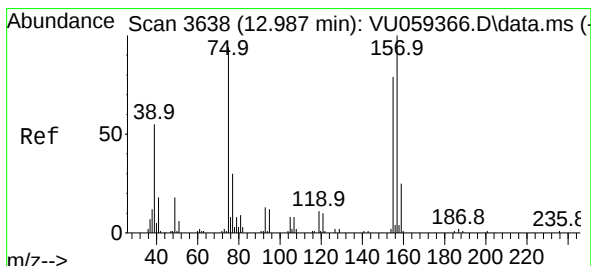
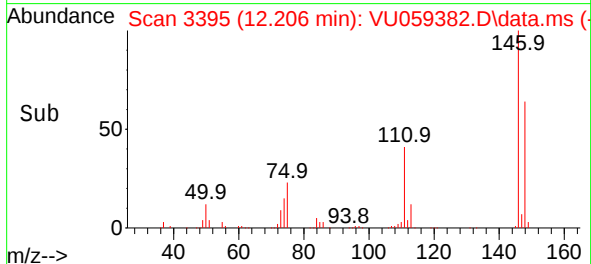
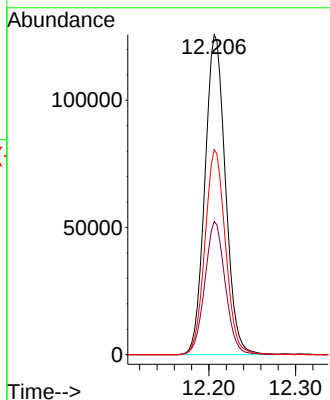
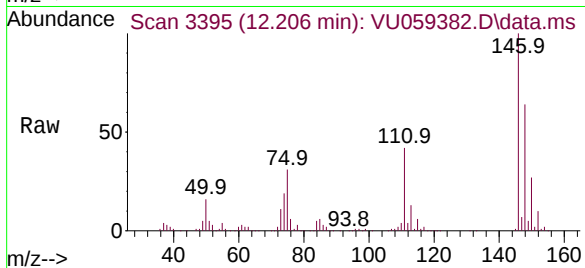
Tgt Ion:146 Resp: 207025

Ion Ratio Lower Upper

146 100

111 41.6 33.4 50.2

148 64.1 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 43.817 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

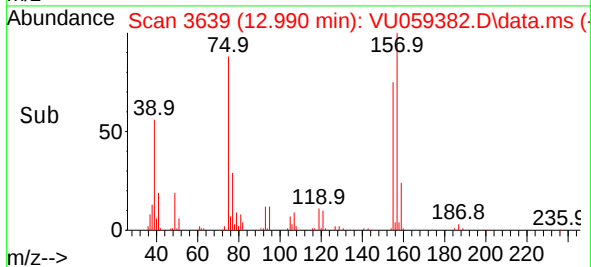
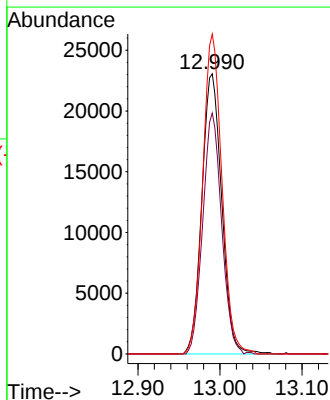
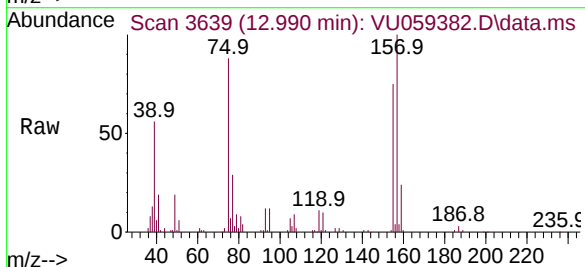
Tgt Ion: 75 Resp: 38824

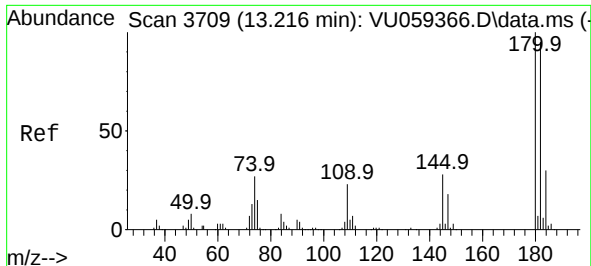
Ion Ratio Lower Upper

75 100

155 86.0 57.5 86.3

157 118.2 73.4 110.2#





#69

1,3,5-Trichlorobenzene

Concen: 50.379 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

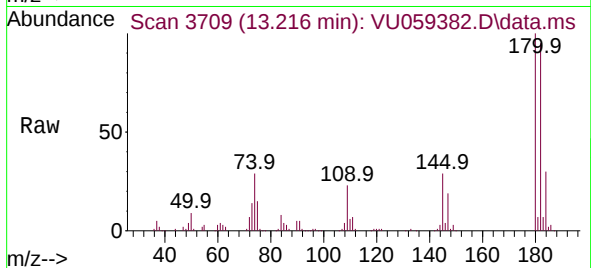
Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 137498

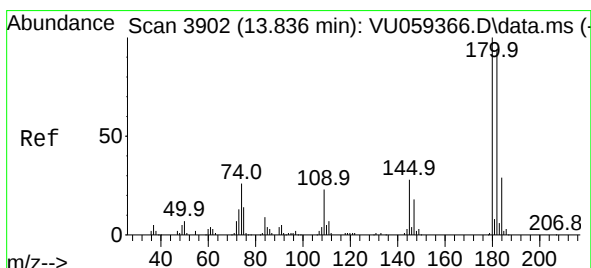
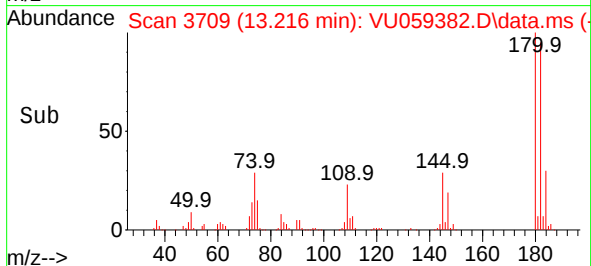
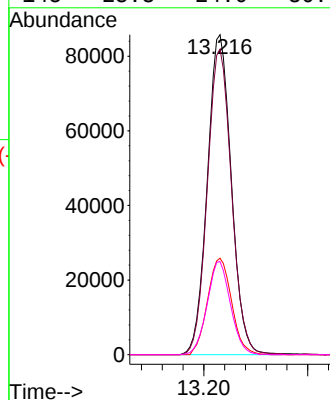
Ion Ratio Lower Upper

180 100

182 96.0 75.6 113.4

184 30.2 24.2 36.2

145 28.3 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 53.034 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

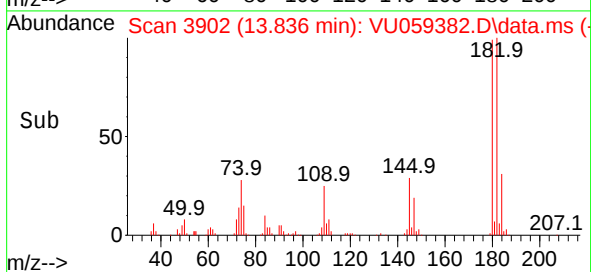
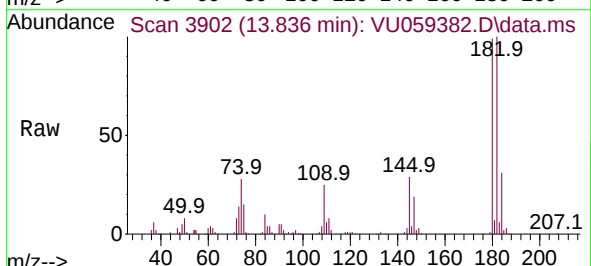
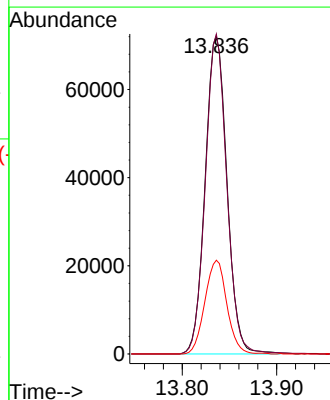
Tgt Ion:180 Resp: 115607

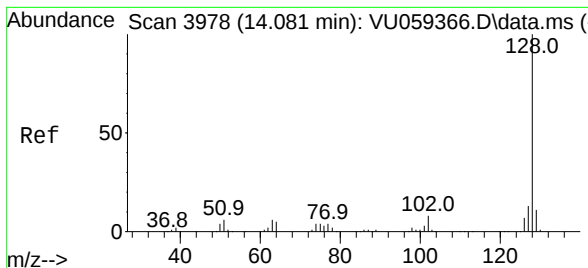
Ion Ratio Lower Upper

180 100

182 98.8 77.4 116.2

145 29.6 24.8 37.2





#71

Naphthalene

Concen: 50.856 ug/L

RT: 14.080 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Instrument :

MSVOA_U

ClientSampleId :

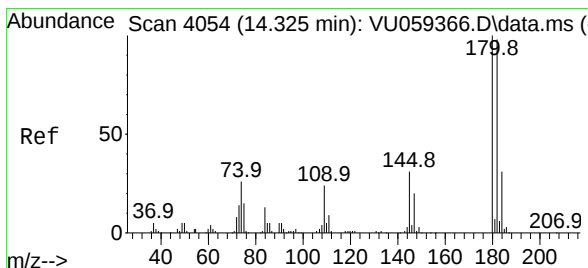
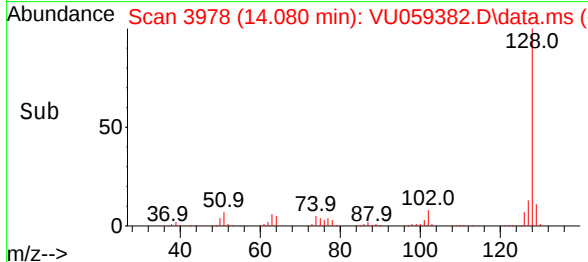
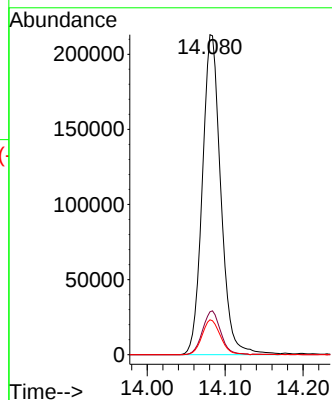
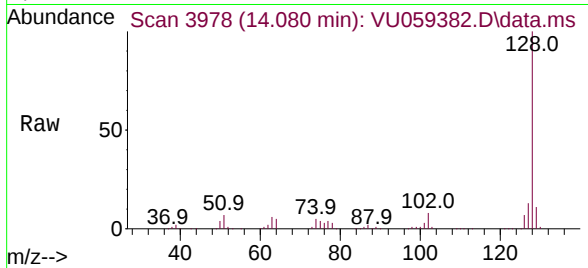
Tgt Ion:128 Resp: 350897

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 10.8 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 56.602 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU059382.D

Acq: 20 Jun 2024 15:56

Tgt Ion:180 Resp: 125439

Ion Ratio Lower Upper

180 100

182 97.7 76.2 114.4

145 31.5 26.4 39.6

