

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041124\
 Data File : VU058617.D
 Acq On : 11 Apr 2024 18:46
 Operator : MD/SY
 Sample : P2013-16MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0MC0MSD

Quant Time: Apr 12 02:30:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 12 02:25:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	78546	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	76422	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	38260	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22347	4.297	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.904	69	22032	4.875	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.557	65	10568	4.490	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.800%
20) 2-Butanone-d5	4.618	46	54451	49.686	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.380%
24) Chloroform-d	5.052	84	53116	5.117	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.692	65	24037	4.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.717	84	100172	4.869	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.682	67	31916	4.946	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.891	98	89711	4.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
43) trans-1,3-Dichloroprop...	8.174	79	9531	4.759	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.627	63	41488	50.221	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.440%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	20932	4.595	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	27884	4.327	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	26747	4.085	ug/L	100
3) Chloromethane	1.515	50	33419	4.171	ug/L	98
5) Vinyl chloride	1.599	62	53597	6.698	ug/L	98
6) Bromomethane	1.853	94	14320	3.783	ug/L	99
8) Chloroethane	1.927	64	23983	4.744	ug/L	100
9) Trichlorofluoromethane	2.132	101	46418	4.393	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	28213	4.493	ug/L	97
12) 1,1-Dichloroethene	2.573	96	24585	4.417	ug/L	97
13) Acetone	2.624	43	37039	39.599	ug/L	99
14) Carbon disulfide	2.785	76	75180	4.252	ug/L	99
15) Methyl Acetate	2.946	43	10349	4.689	ug/L	97
16) Methylene chloride	3.036	84	29401	3.980	ug/L	96
17) Methyl tert-butyl Ether	3.351	73	60307	4.587	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	27905	4.783	ug/L	93
19) 1,1-Dichloroethane	3.856	63	61743	4.849	ug/L	98
21) 2-Butanone	4.695	43	62626	44.795	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	87069	13.290	ug/L	97
23) Bromochloromethane	4.965	128	12316	4.771	ug/L	91
25) Chloroform	5.078	83	59689	4.843	ug/L	97

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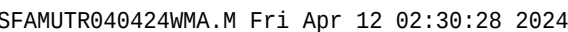
Instrument :
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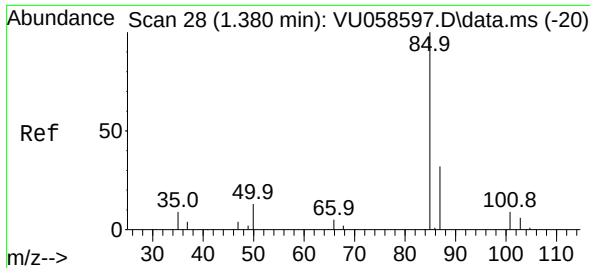
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	35870	4.779	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	47256	4.612	ug/L	97
30) Cyclohexane	5.380	56	47479	4.388	ug/L	99
31) Carbon tetrachloride	5.515	117	39629	4.567	ug/L	100
33) Benzene	5.766	78	127766	4.612	ug/L	100
34) Trichloroethene	6.534	95	30858	4.419	ug/L	97
35) Methylcyclohexane	6.756	83	45401	4.315	ug/L	98
37) 1,2-Dichloropropane	6.782	63	35002	4.802	ug/L	99
38) Bromodichloromethane	7.097	83	39335	4.728	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	42433	4.578	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	164214	47.867	ug/L	98
42) Toluene	7.962	91	131029	4.509	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	33806	4.625	ug/L	96
45) 1,1,2-Trichloroethane	8.393	97	20273	4.762	ug/L	99
47) Tetrachloroethene	8.547	164	22383	4.372	ug/L	98
48) 2-Hexanone	8.679	43	118660	48.722	ug/L	95
49) Dibromochloromethane	8.801	129	22701	4.613	ug/L	98
50) 1,2-Dibromoethane	8.917	107	17424	4.476	ug/L	97
51) Chlorobenzene	9.441	112	79294	4.510	ug/L	99
52) Ethylbenzene	9.563	91	139935	4.546	ug/L	99
53) m,p-Xylene	9.688	106	51265	4.651	ug/L	99
54) o-Xylene	10.093	106	49540	4.584	ug/L	98
55) Styrene	10.110	104	81699	4.699	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	24598	4.685	ug/L	99
59) Bromoform	10.283	173	11652	4.558	ug/L	99
60) Isopropylbenzene	10.476	105	126642	4.521	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	17438	4.467	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	102241	4.476	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	105092	4.506	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	60220	4.426	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	57738	4.356	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	54268	4.385	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	3176	4.797	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	42879	4.262	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	32264	4.159	ug/L	99
71) Naphthalene	14.084	128	39318	3.698	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	26724	4.171	ug/L	100

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

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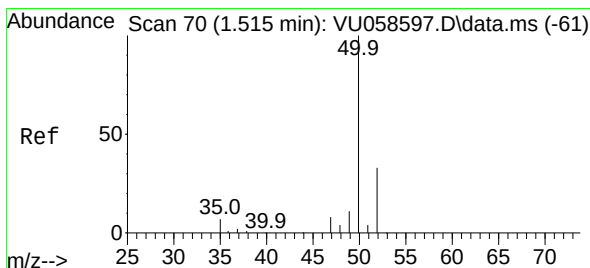
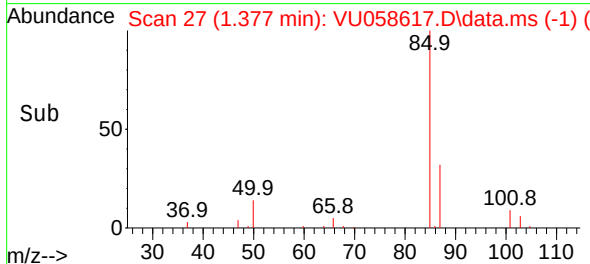
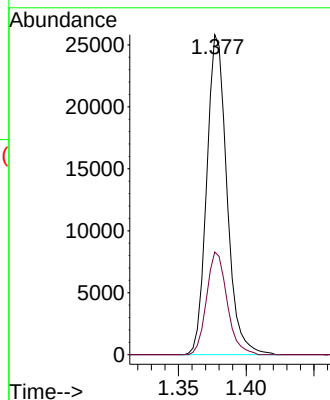
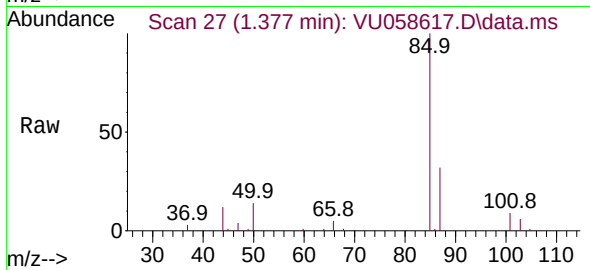




#2
 Dichlorodifluoromethane
 Concen: 4.085 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU058617.D
 Acq: 11 Apr 2024 18:46

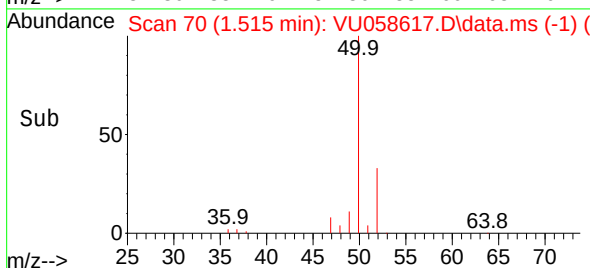
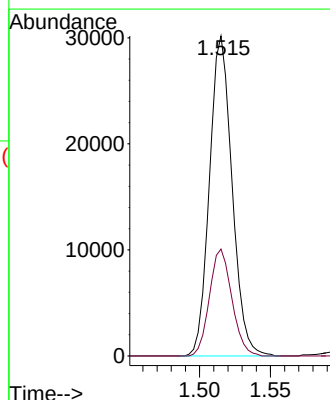
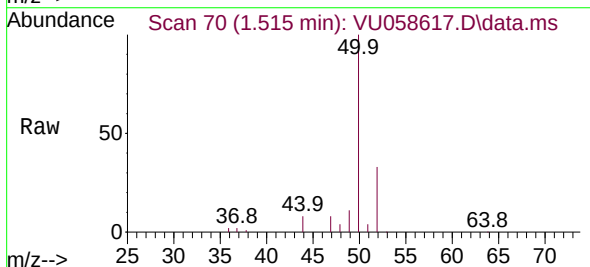
Instrument :
 MSVOA_U
 ClientSampleId :
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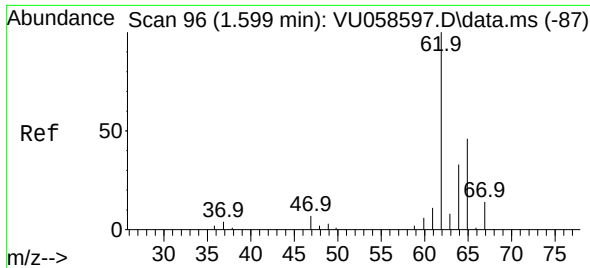
Tgt Ion: 85 Resp: 26747
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9



#3
 Chloromethane
 Concen: 4.171 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU058617.D
 Acq: 11 Apr 2024 18:46

Tgt Ion: 50 Resp: 33419
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.6 42.0

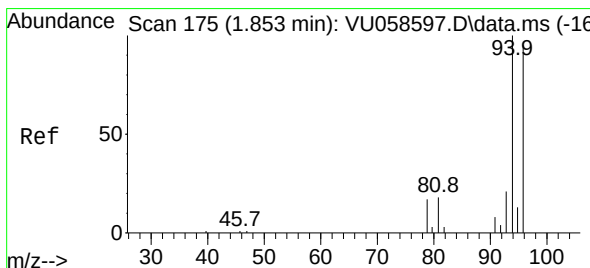
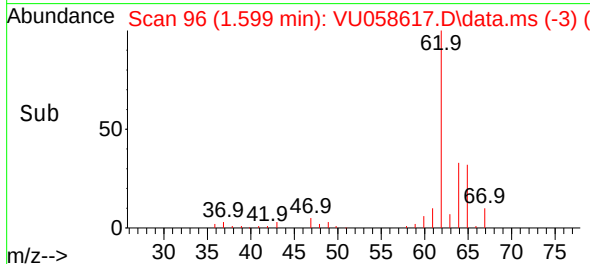
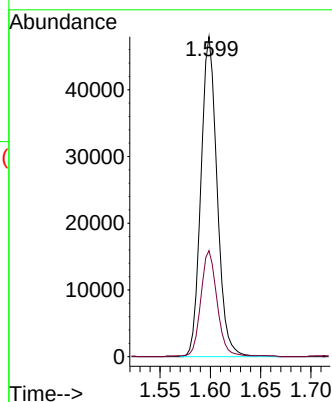
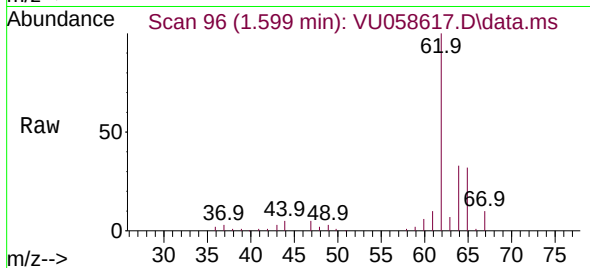




#5
 Vinyl chloride
 Concen: 6.698 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU058617.D
 Acq: 11 Apr 2024 18:46

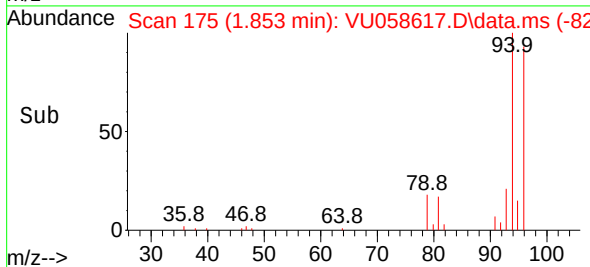
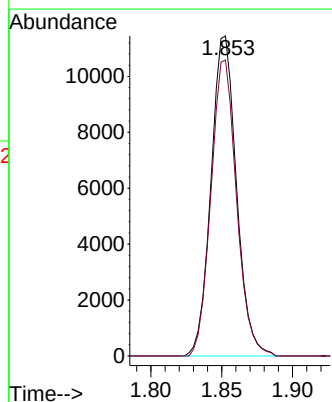
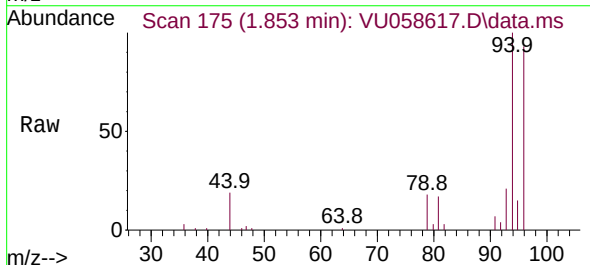
Instrument :
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 ClientSampleId :
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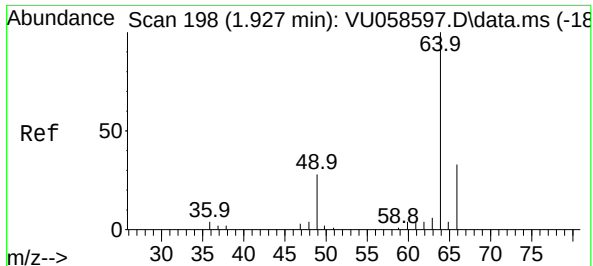
Tgt Ion: 62 Resp: 53597
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.6 42.0



#6
 Bromomethane
 Concen: 3.783 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU058617.D
 Acq: 11 Apr 2024 18:46

Tgt Ion: 94 Resp: 14320
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.4 121.4

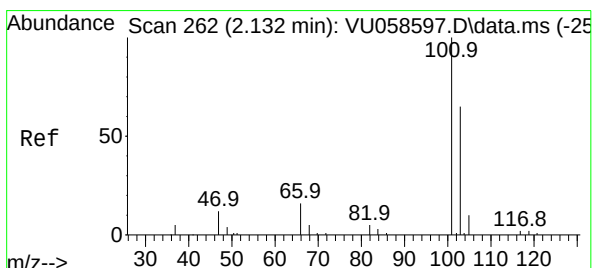
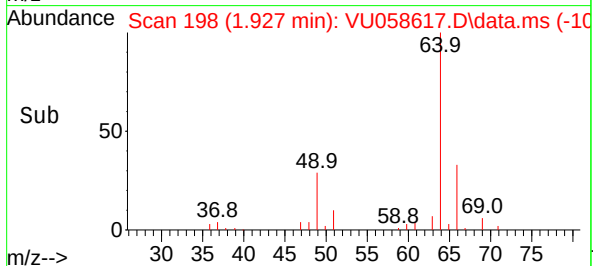
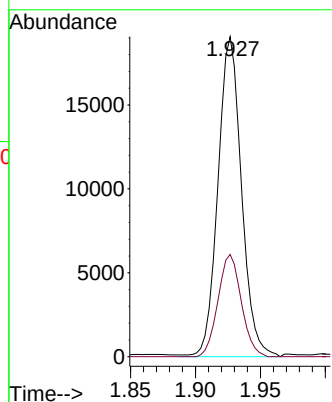
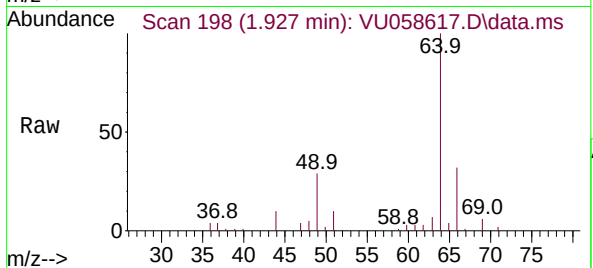




#8
Chloroethane
Concen: 4.744 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

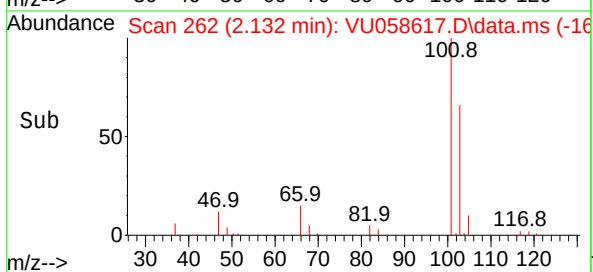
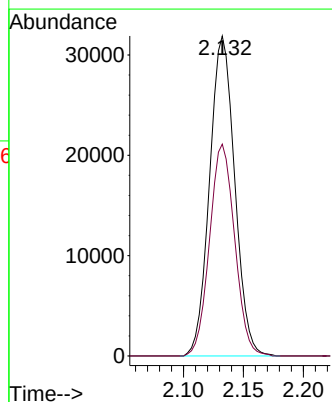
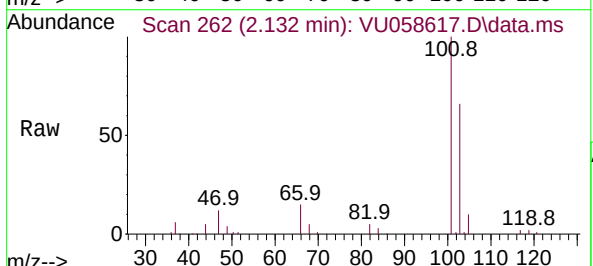
Instrument :
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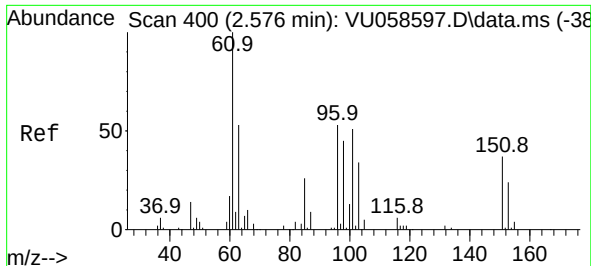
Tgt Ion: 64 Resp: 23983
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.393 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion:101 Resp: 46418
Ion Ratio Lower Upper
101 100
103 66.1 51.2 76.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.493 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

E0MC0MSD

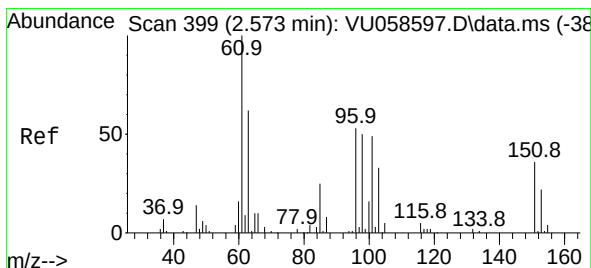
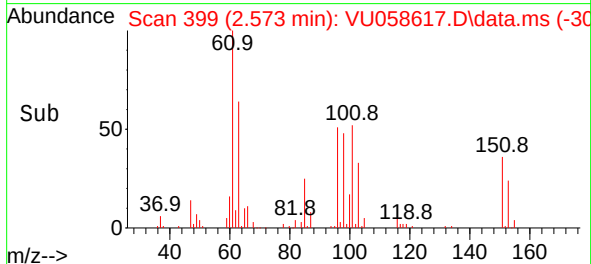
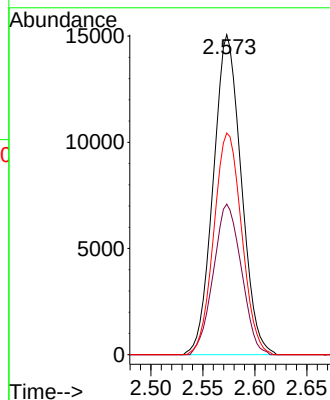
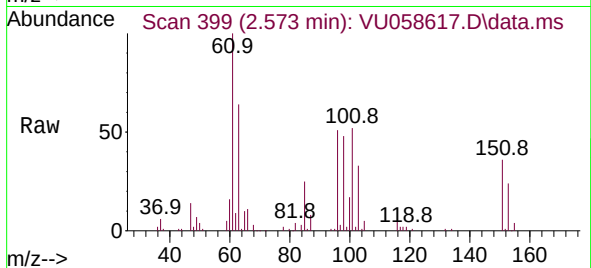
Tgt Ion:101 Resp: 28213

Ion Ratio Lower Upper

101 100

85 47.2 36.8 55.2

151 69.2 58.2 87.4



#12

1,1-Dichloroethene

Concen: 4.417 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

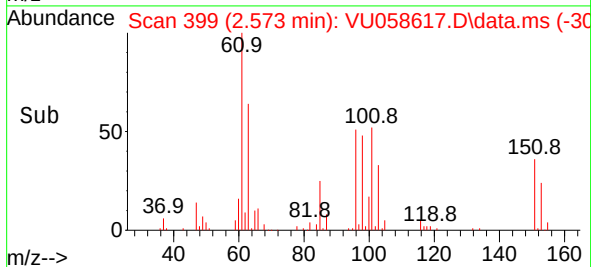
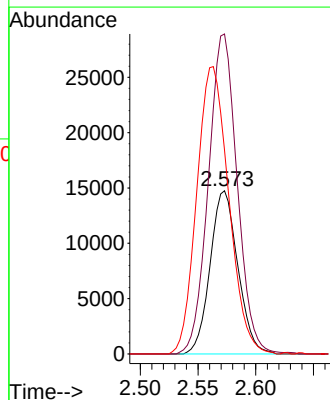
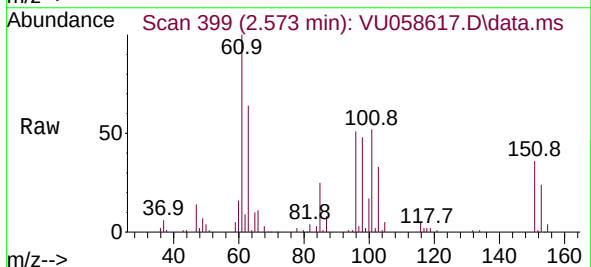
Tgt Ion: 96 Resp: 24585

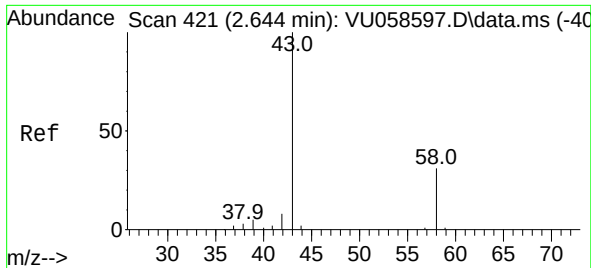
Ion Ratio Lower Upper

96 100

61 196.1 132.5 246.1

63 124.9 87.7 162.9





#13

Acetone

Concen: 39.599 ug/L

RT: 2.624 min Scan# 415

Delta R.T. -0.019 min

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ClientSampleId :

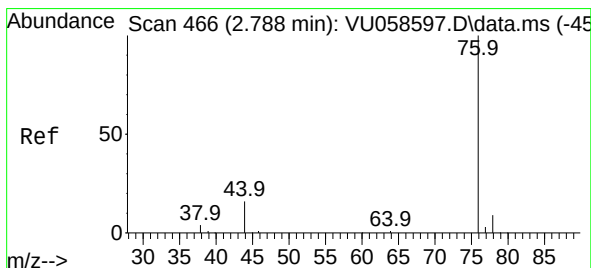
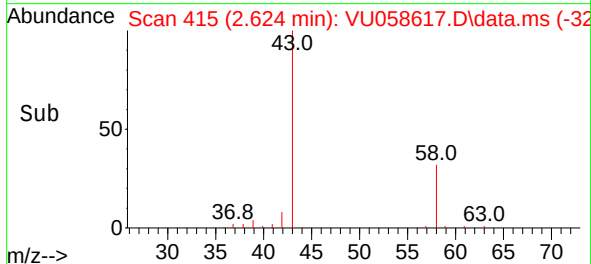
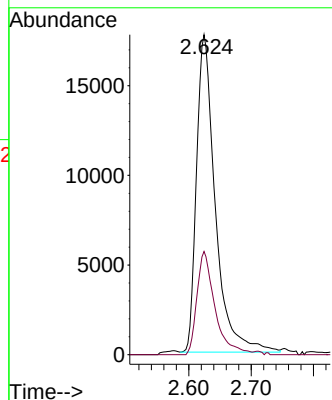
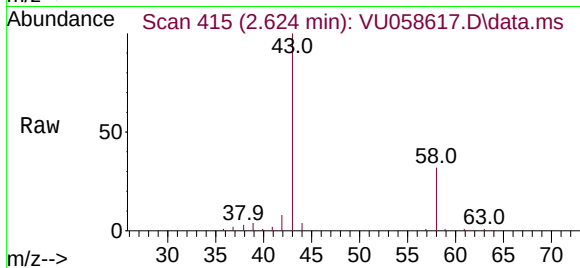
E0MC0MSD

Tgt Ion: 43 Resp: 37039

Ion Ratio Lower Upper

43 100

58 31.1 0.0 61.4



#14

Carbon disulfide

Concen: 4.252 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU058617.D

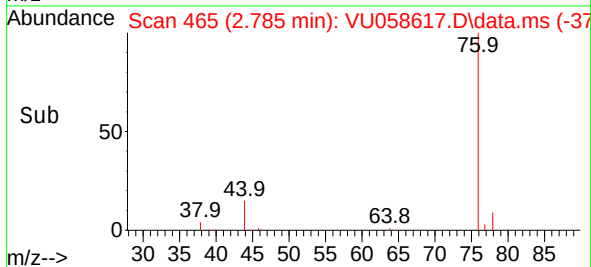
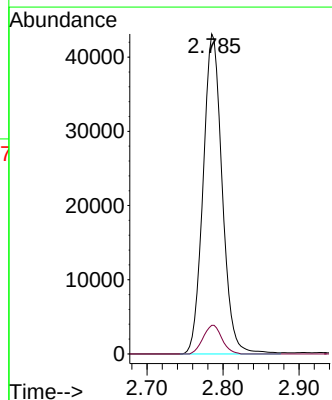
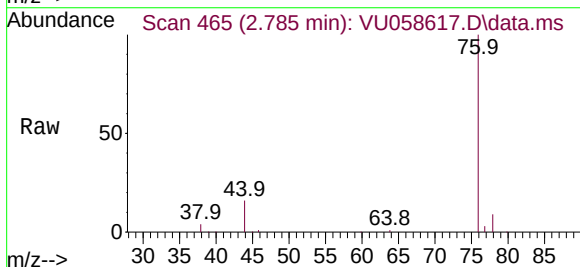
Acq: 11 Apr 2024 18:46

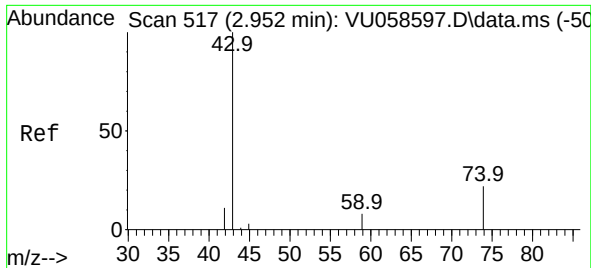
Tgt Ion: 76 Resp: 75180

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

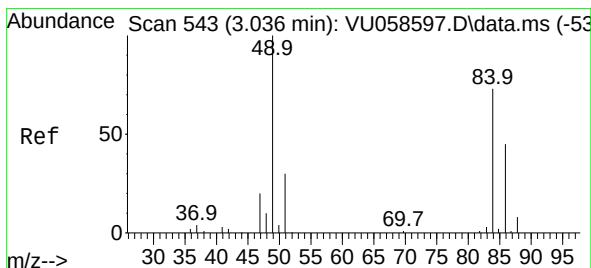
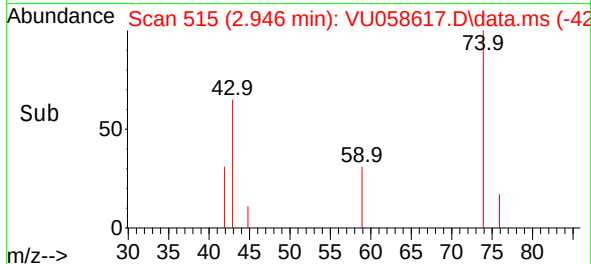
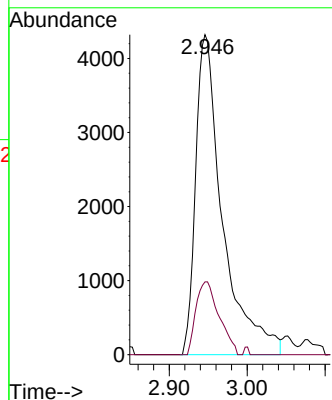
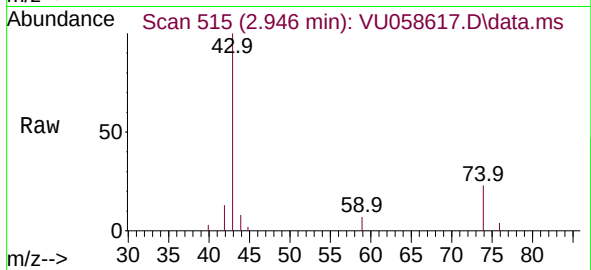




#15
Methyl Acetate
Concen: 4.689 ug/L
RT: 2.946 min Scan# 517
Delta R.T. -0.006 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

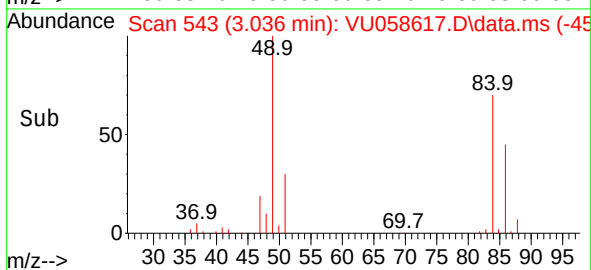
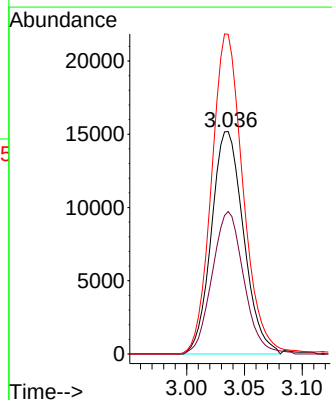
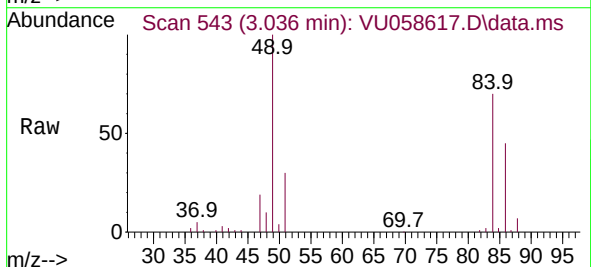
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

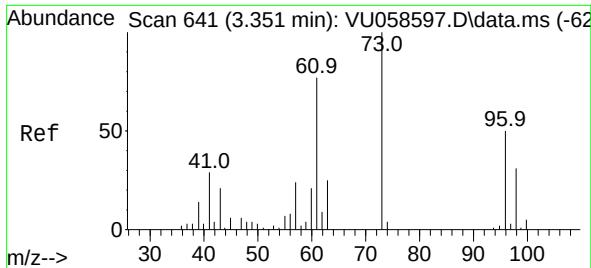
Tgt Ion: 43 Resp: 10349
Ion Ratio Lower Upper
43 100
74 19.6 16.6 25.0



#16
Methylene chloride
Concen: 3.980 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion: 84 Resp: 29401
Ion Ratio Lower Upper
84 100
86 64.1 44.3 82.3
49 143.7 96.0 178.2

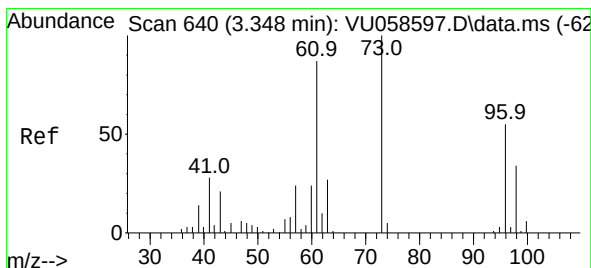
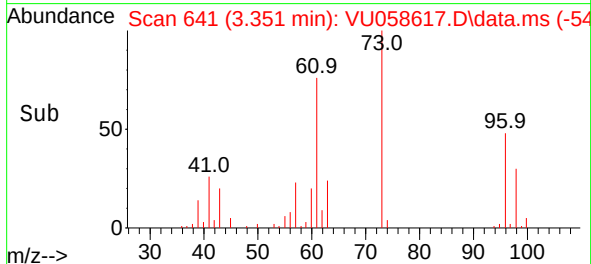
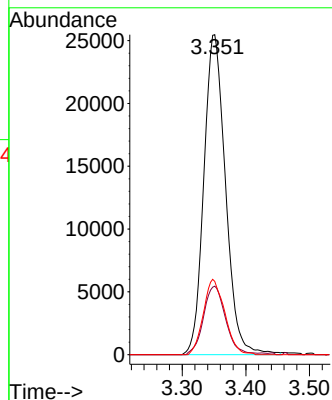
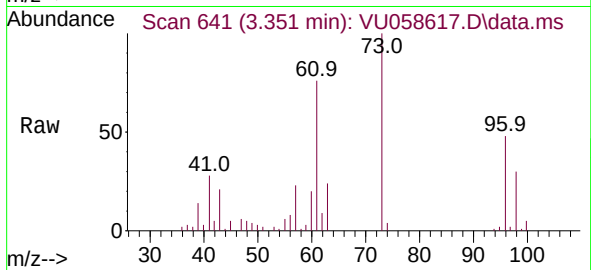




#17
Methyl tert-butyl Ether
Concen: 4.587 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

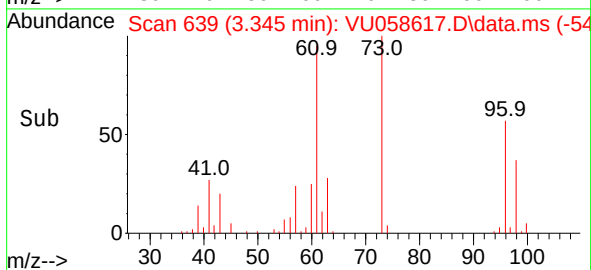
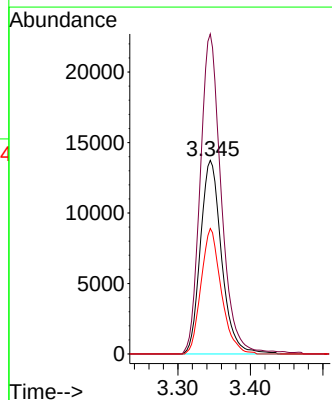
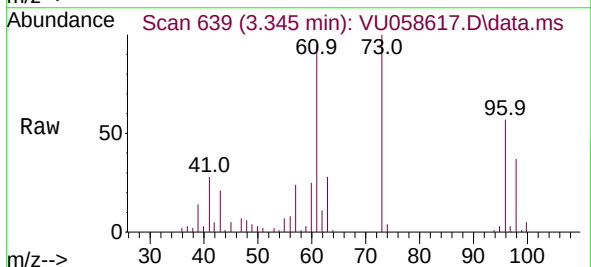
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

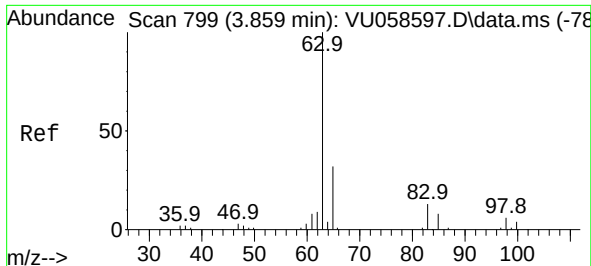
Tgt Ion: 73	Resp: 60307
Ion Ratio	Lower Upper
73 100	
43 21.8	17.4 26.2
57 23.2	18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 4.783 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion: 96	Resp: 27905
Ion Ratio	Lower Upper
96 100	
61 165.3	107.6 199.8
98 64.8	45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.849 ug/L

RT: 3.856 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

E0MC0MSD

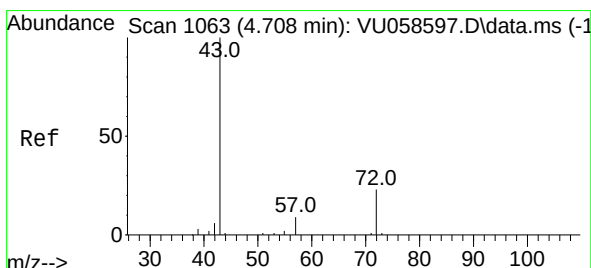
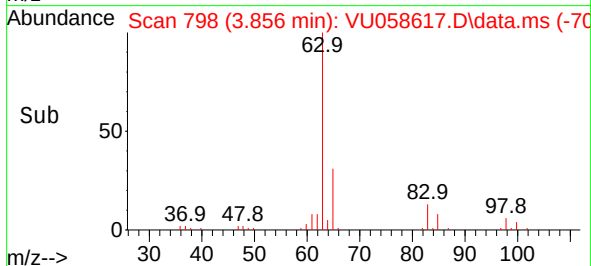
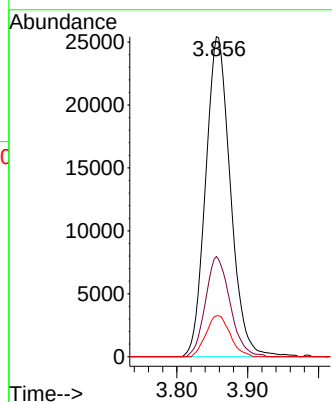
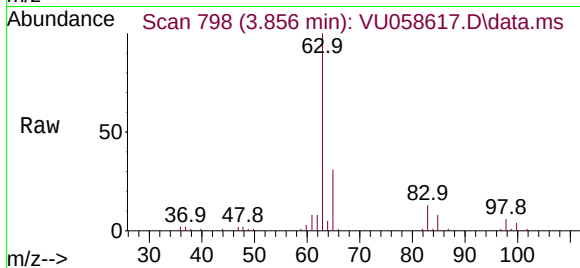
Tgt Ion: 63 Resp: 61743

Ion Ratio Lower Upper

63 100

65 31.3 22.9 42.5

83 12.7 9.6 17.8



#21

2-Butanone

Concen: 44.795 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.013 min

Lab File: VU058617.D

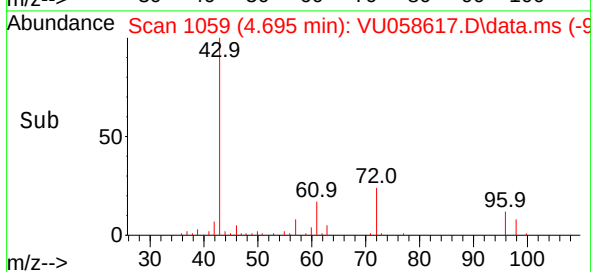
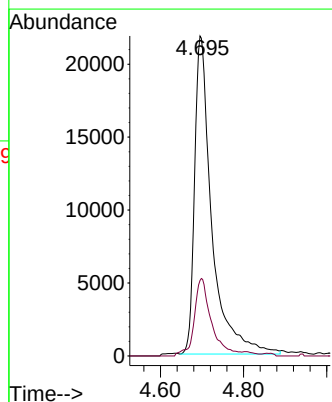
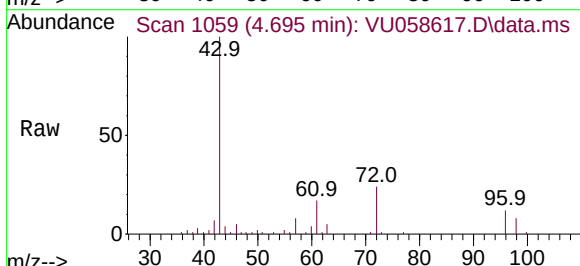
Acq: 11 Apr 2024 18:46

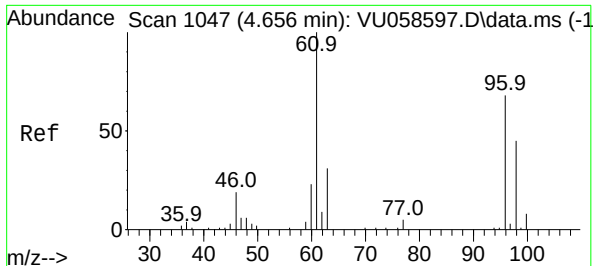
Tgt Ion: 43 Resp: 62626

Ion Ratio Lower Upper

43 100

72 24.3 11.7 35.0

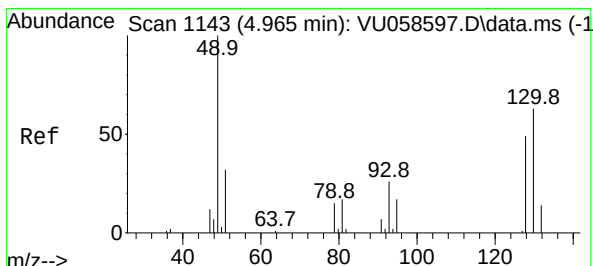
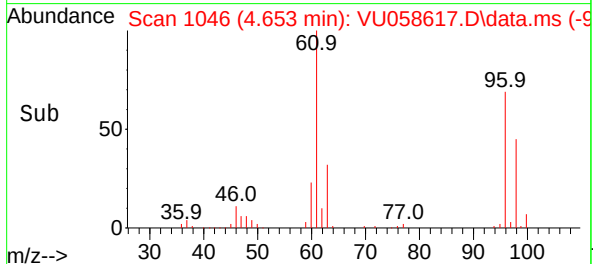
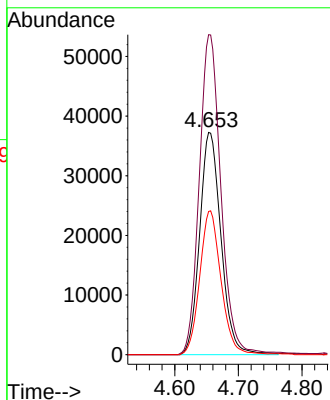
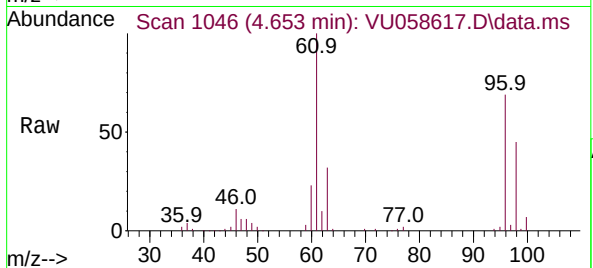




#22
 cis-1,2-Dichloroethene
 Concen: 13.290 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU058617.D
 Acq: 11 Apr 2024 18:46

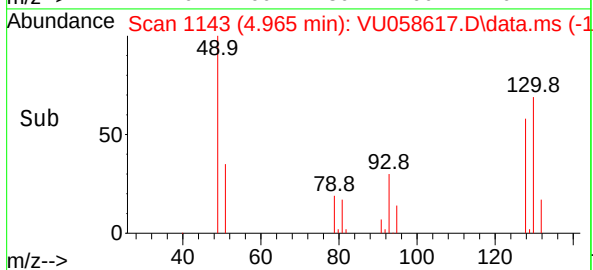
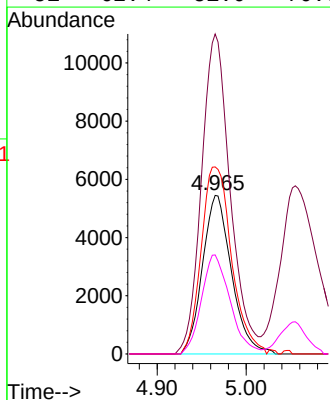
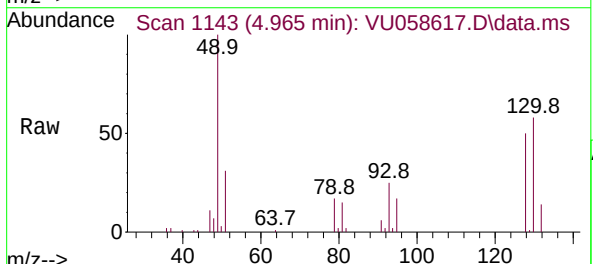
Instrument :
 MSVOA_U
 ClientSampleId :
 E0MC0MSD

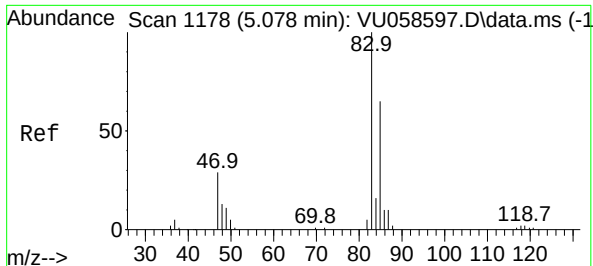
Tgt Ion: 96 Resp: 87069
 Ion Ratio Lower Upper
 96 100
 61 144.0 98.1 182.3
 98 64.4 43.6 81.0



#23
 Bromochloromethane
 Concen: 4.771 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VU058617.D
 Acq: 11 Apr 2024 18:46

Tgt Ion: 128 Resp: 12316
 Ion Ratio Lower Upper
 128 100
 49 208.3 134.4 249.6
 130 117.9 90.0 167.2
 51 62.4 51.0 76.6





#25

Chloroform

Concen: 4.843 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

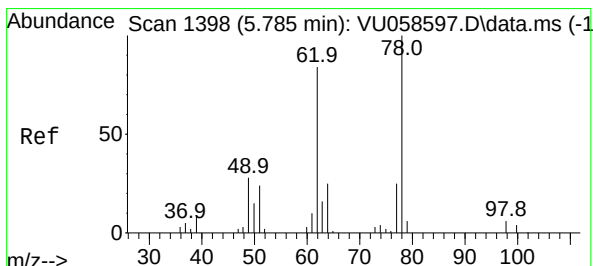
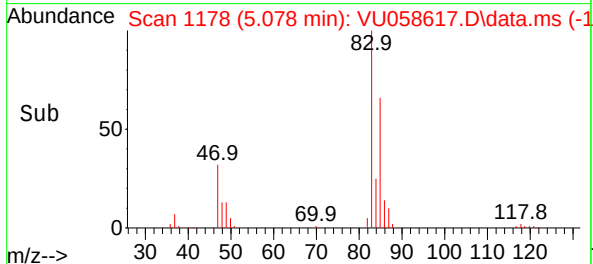
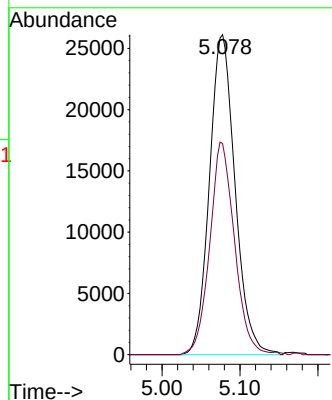
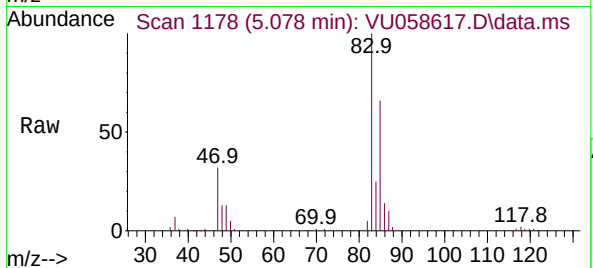
E0MC0MSD

Tgt Ion: 83 Resp: 59689

Ion Ratio Lower Upper

83 100

85 66.0 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.779 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU058617.D

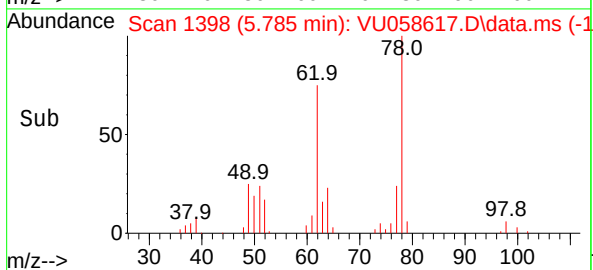
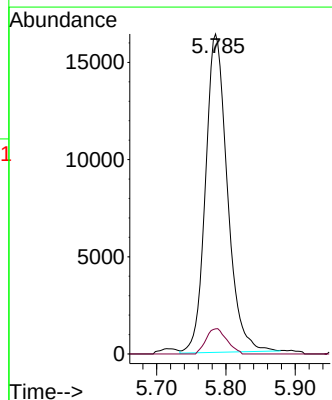
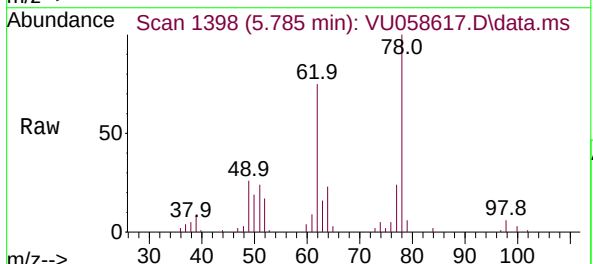
Acq: 11 Apr 2024 18:46

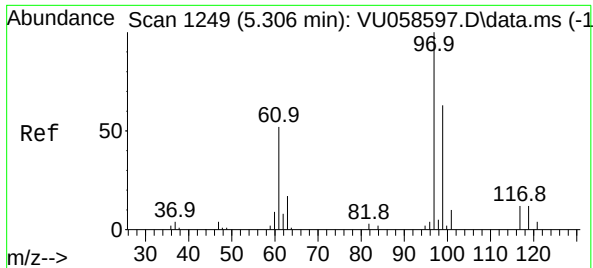
Tgt Ion: 62 Resp: 35870

Ion Ratio Lower Upper

62 100

98 7.9 7.0 10.4

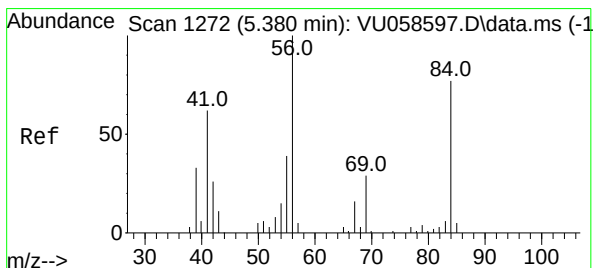
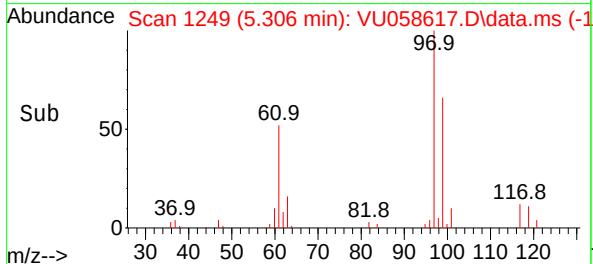
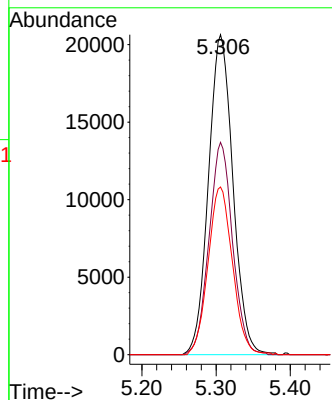
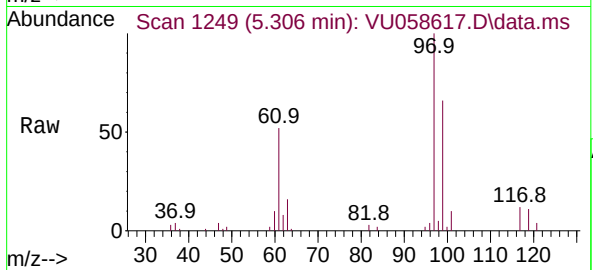




#29
1,1,1-Trichloroethane
Concen: 4.612 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

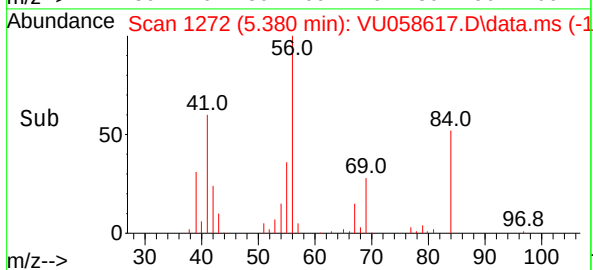
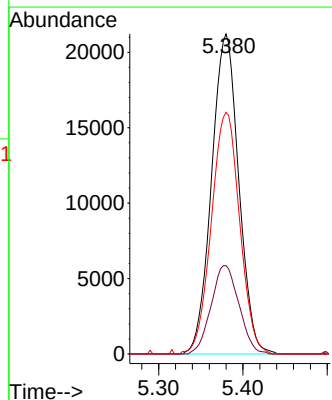
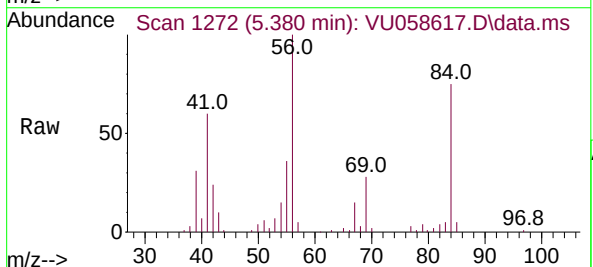
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

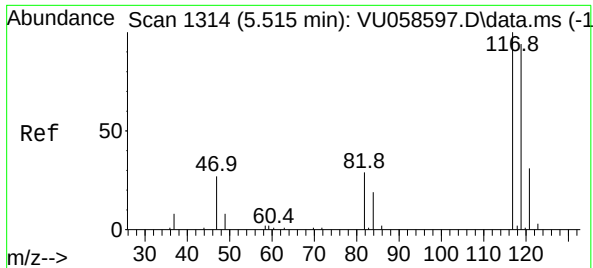
Tgt Ion:	97	Resp:	47256
Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.4	75.6
61	52.4	39.4	59.0



#30
Cyclohexane
Concen: 4.388 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion:	56	Resp:	47479
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.2	34.8
84	78.5	63.3	94.9

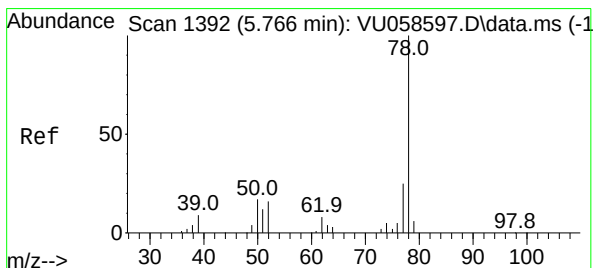
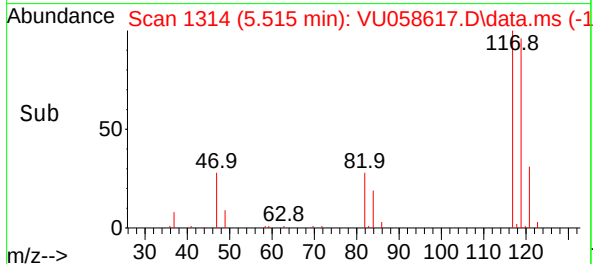
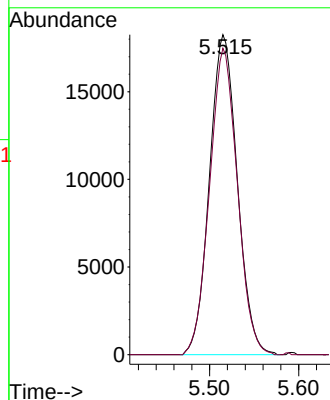
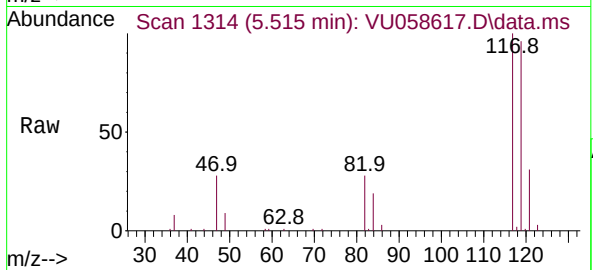




#31
Carbon tetrachloride
Concen: 4.567 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

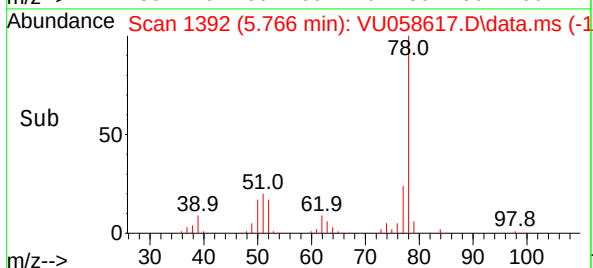
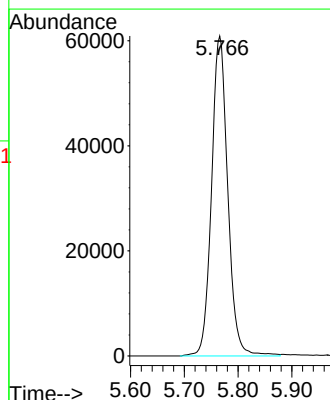
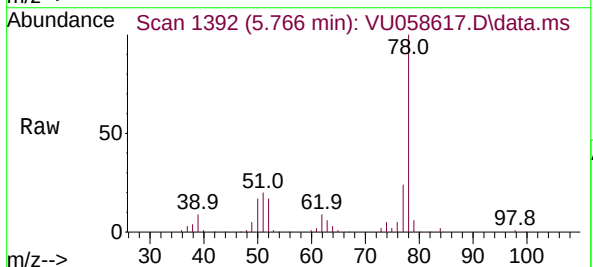
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

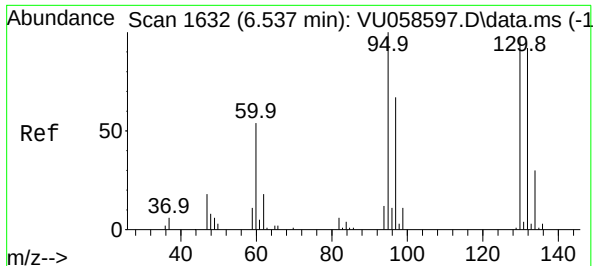
Tgt Ion:117 Resp: 39629
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1



#33
Benzene
Concen: 4.612 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion: 78 Resp: 127766

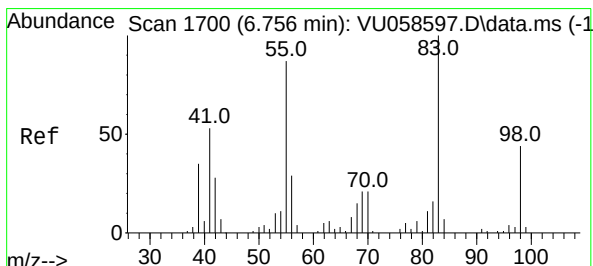
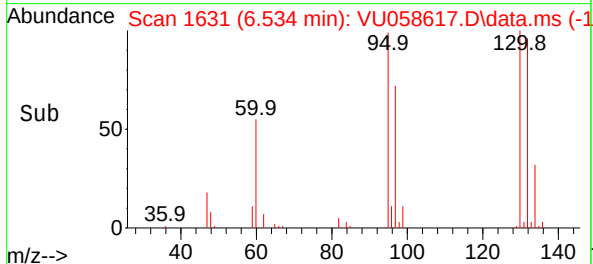
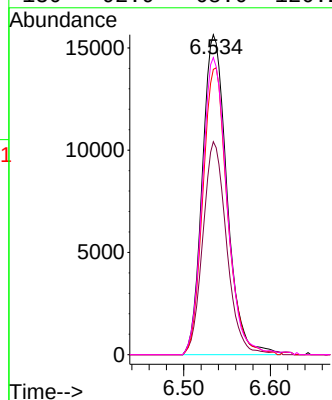
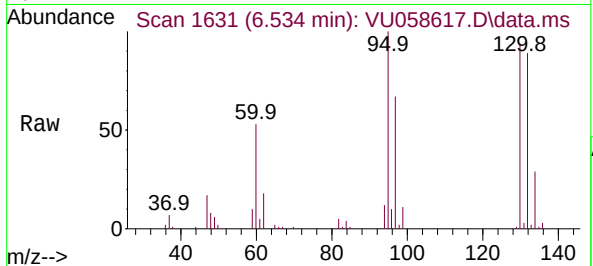




#34
Trichloroethene
Concen: 4.419 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

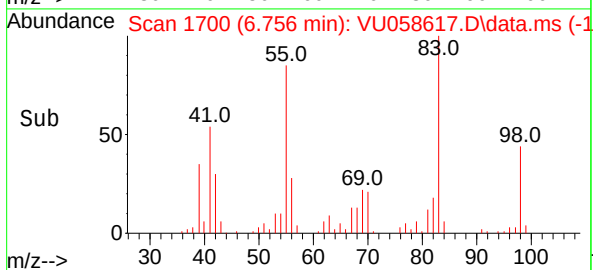
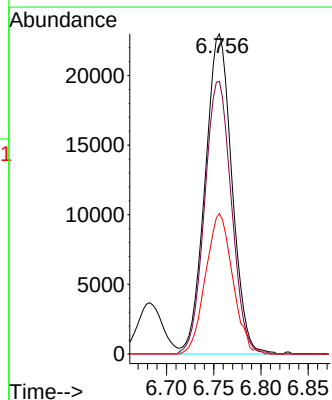
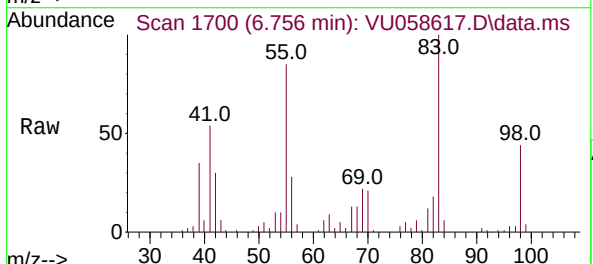
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

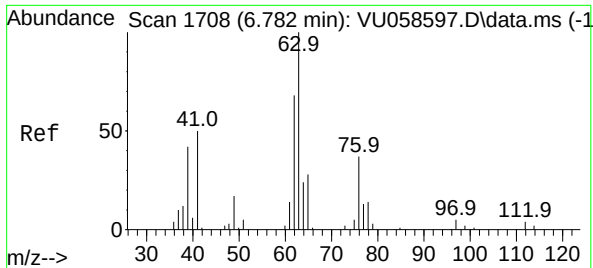
Tgt Ion: 95 Resp: 30858
Ion Ratio Lower Upper
95 100
97 66.5 45.6 84.6
132 89.2 64.8 120.3
130 92.9 68.0 126.2



#35
Methylcyclohexane
Concen: 4.315 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion: 83 Resp: 45401
Ion Ratio Lower Upper
83 100
55 85.2 66.2 99.4
98 44.3 34.6 52.0

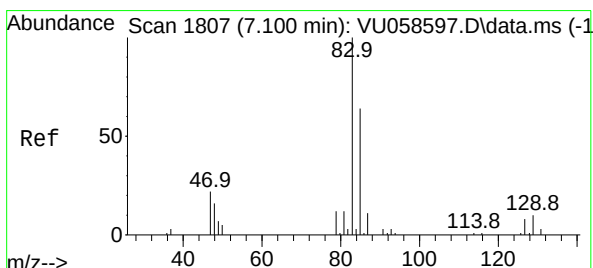
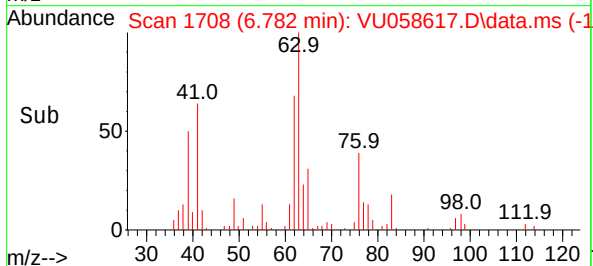
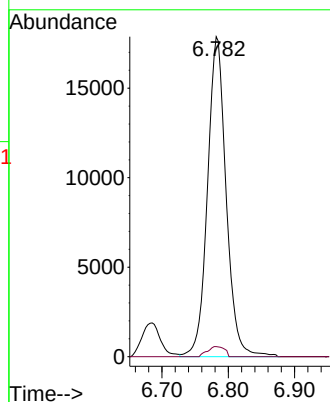
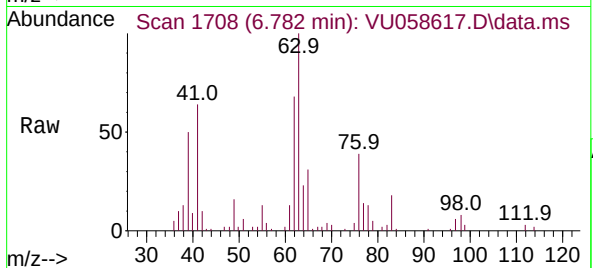




#37
1,2-Dichloropropane
Concen: 4.802 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

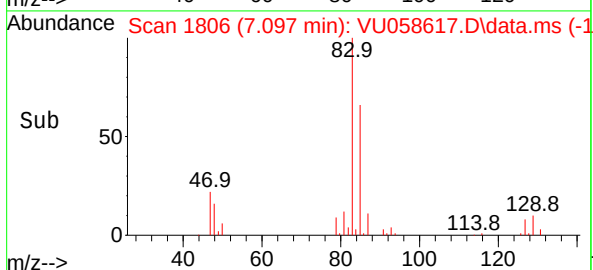
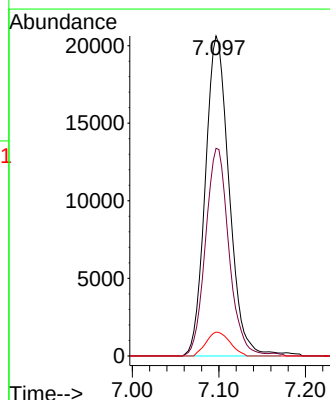
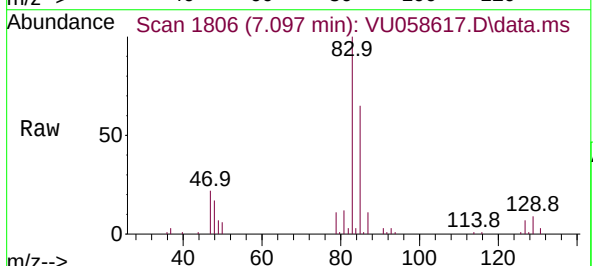
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

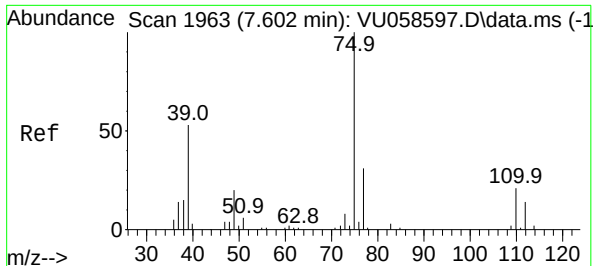
Tgt Ion: 63 Resp: 35002
Ion Ratio Lower Upper
63 100
112 2.9 2.6 4.0



#38
Bromodichloromethane
Concen: 4.728 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion: 83 Resp: 39335
Ion Ratio Lower Upper
83 100
85 64.9 44.2 82.2
127 7.4 6.5 9.7

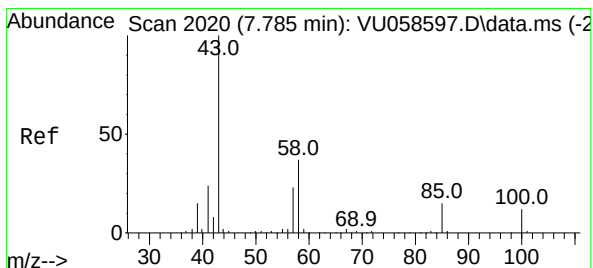
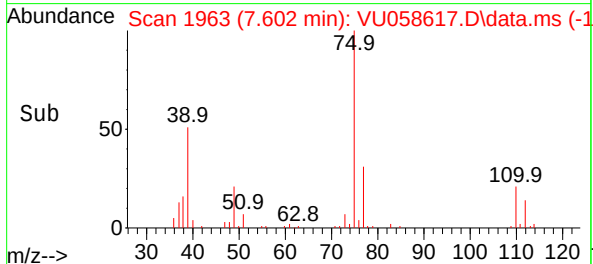
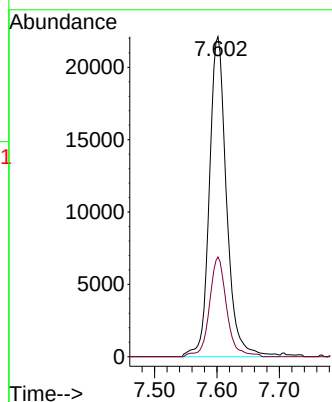
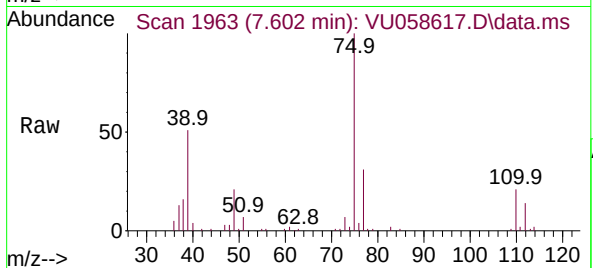




#39
 cis-1,3-Dichloropropene
 Concen: 4.578 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU058617.D
 Acq: 11 Apr 2024 18:46

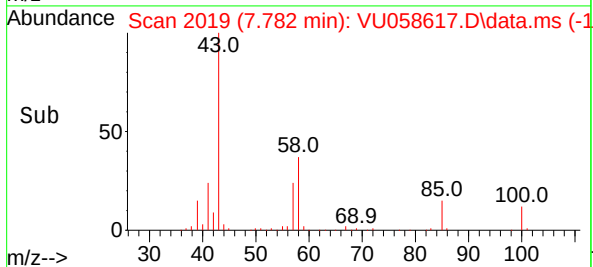
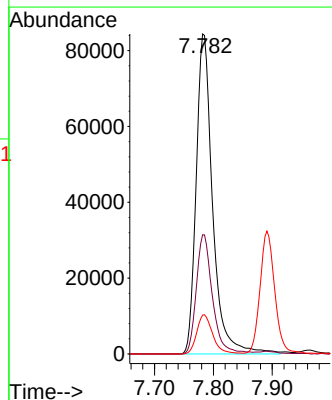
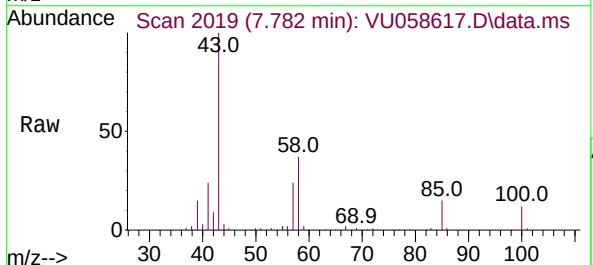
Instrument :
 MSVOA_U
 ClientSampleId :
 E0MC0MSD

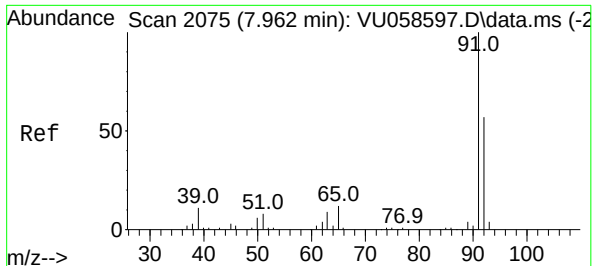
Tgt Ion: 75 Resp: 42433
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 47.867 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: VU058617.D
 Acq: 11 Apr 2024 18:46

Tgt Ion: 43 Resp: 164214
 Ion Ratio Lower Upper
 43 100
 58 36.5 30.4 45.6
 100 11.9 10.3 15.5





#42

Toluene

Concen: 4.509 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

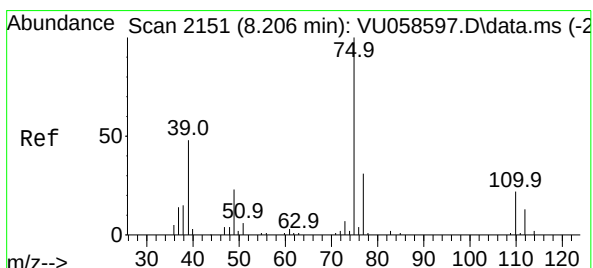
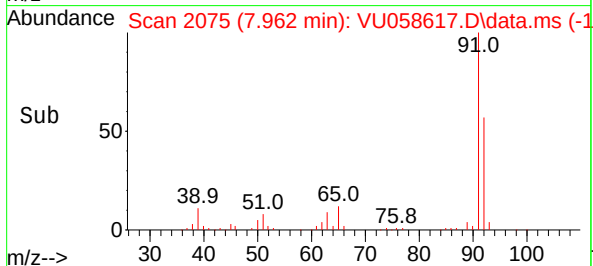
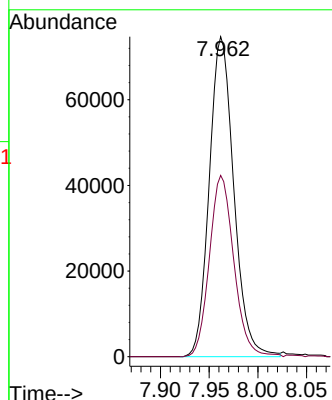
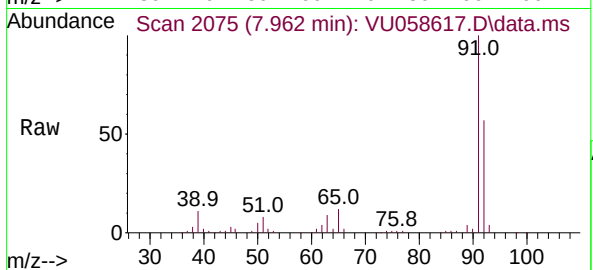
E0MC0MSD

Tgt Ion: 91 Resp: 131029

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 4.625 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU058617.D

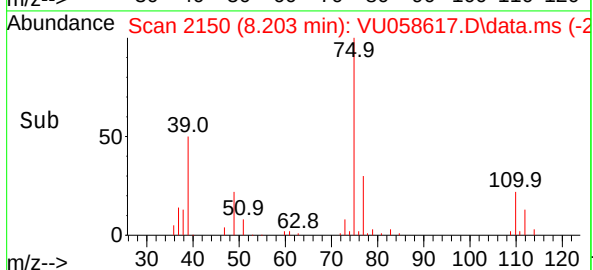
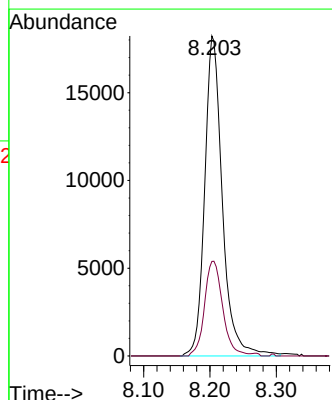
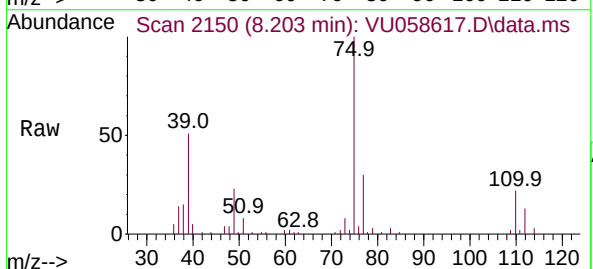
Acq: 11 Apr 2024 18:46

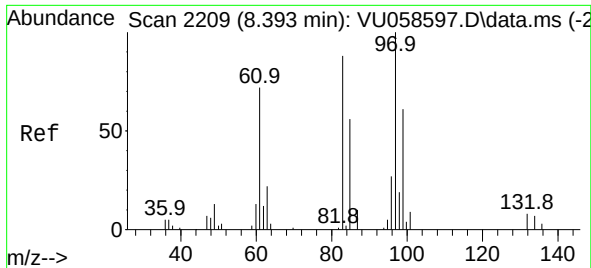
Tgt Ion: 75 Resp: 33806

Ion Ratio Lower Upper

75 100

77 29.6 22.2 41.2



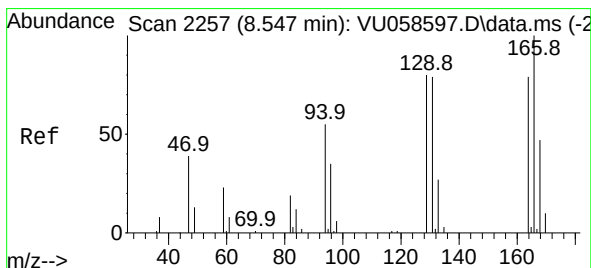
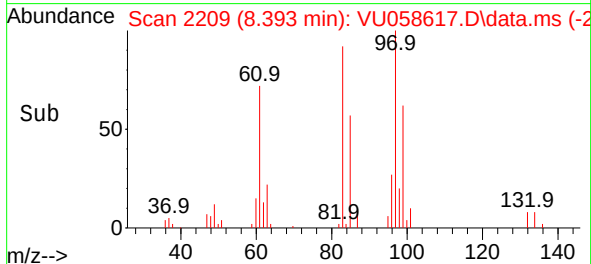
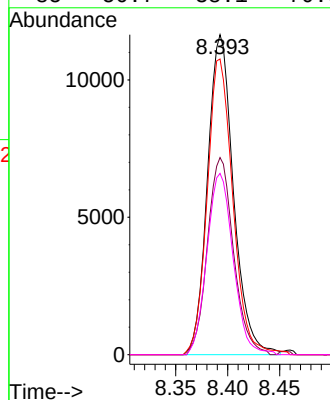
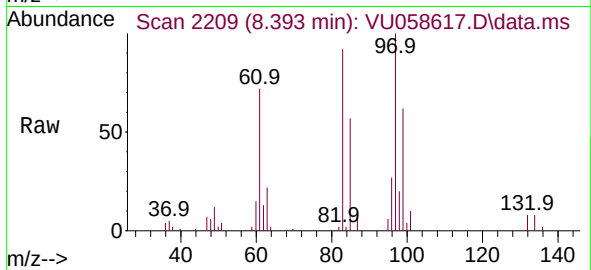


#45
1,1,2-Trichloroethane
Concen: 4.762 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

Tgt Ion: 97 Resp: 20273

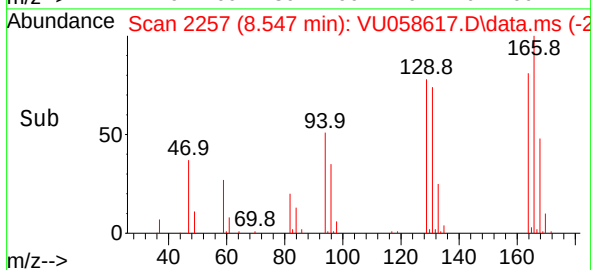
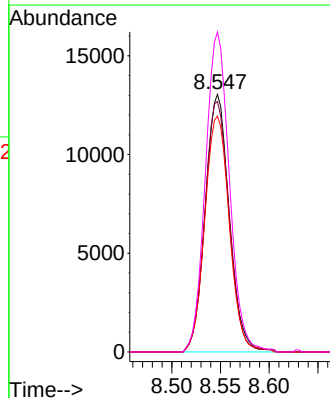
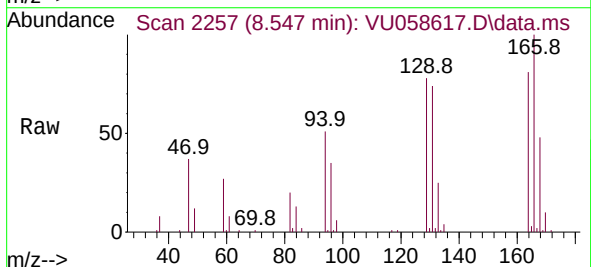
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.7	81.1
83	92.4	64.5	119.7
85	56.7	38.1	70.9

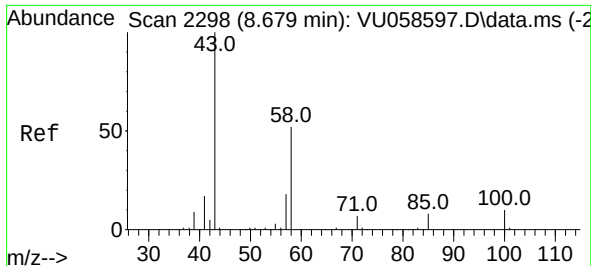


#47
Tetrachloroethene
Concen: 4.372 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion: 164 Resp: 22383

Ion	Ratio	Lower	Upper
164	100		
129	97.2	67.3	125.1
131	91.5	65.5	121.6
166	124.2	89.5	166.1

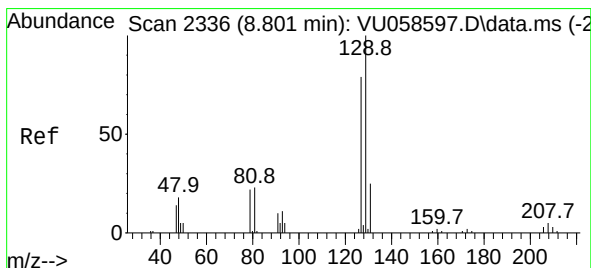
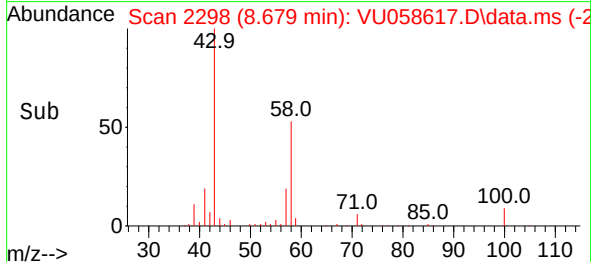
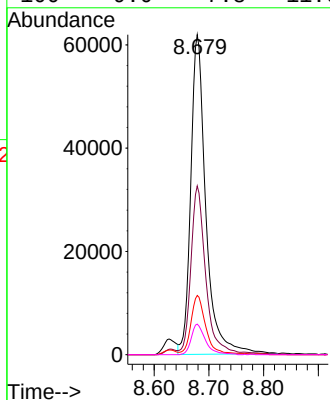
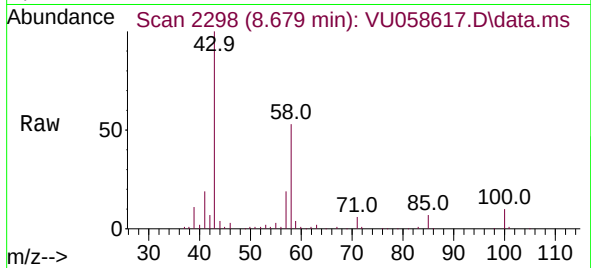




#48
2-Hexanone
Concen: 48.722 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

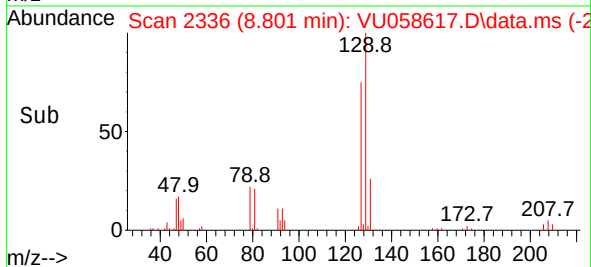
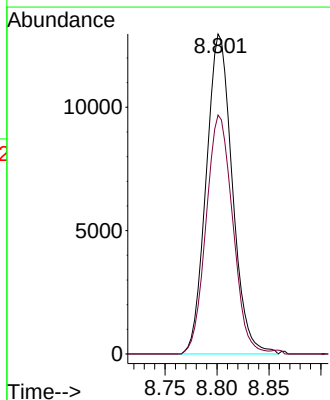
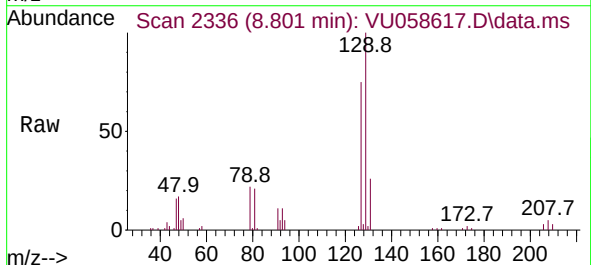
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

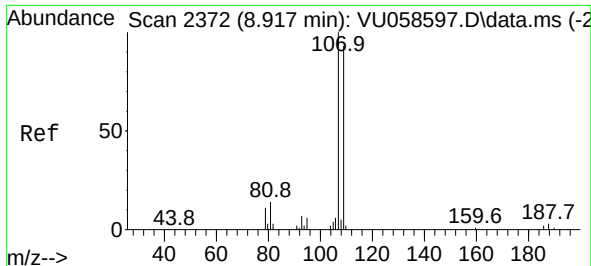
Tgt Ion: 43 Resp: 118660
Ion Ratio Lower Upper
43 100
58 49.9 43.2 64.8
57 17.9 15.4 23.0
100 9.0 7.8 11.6



#49
Dibromochloromethane
Concen: 4.613 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion: 129 Resp: 22701
Ion Ratio Lower Upper
129 100
127 74.7 53.5 99.5

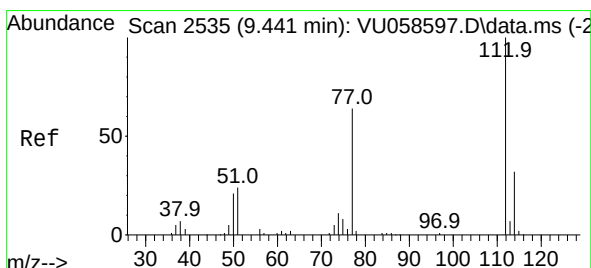
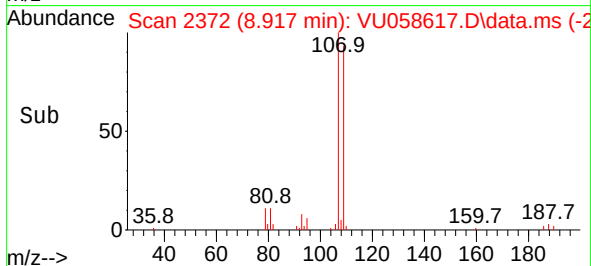
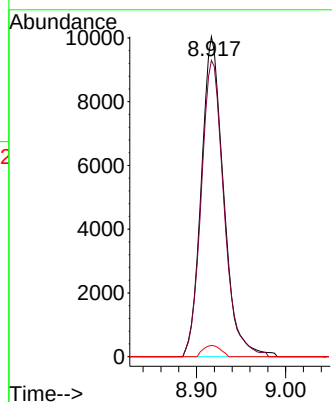
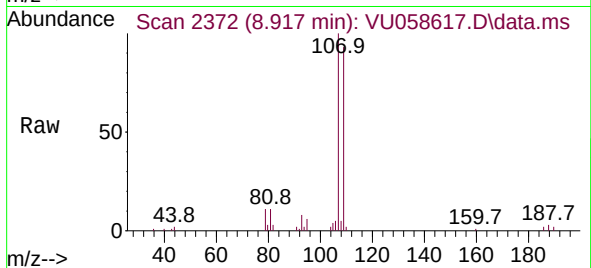




#50
1,2-Dibromoethane
Concen: 4.476 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

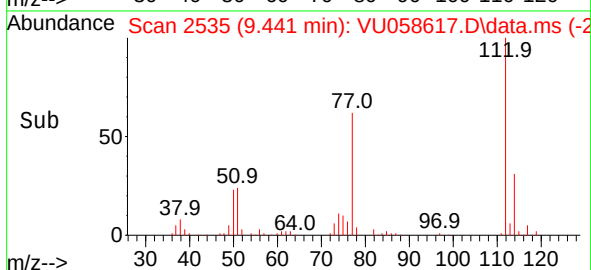
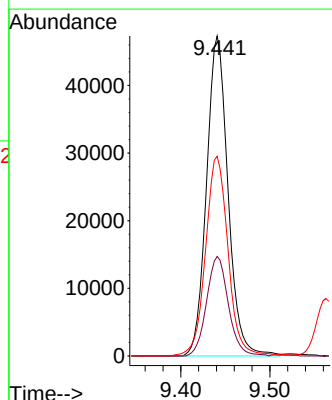
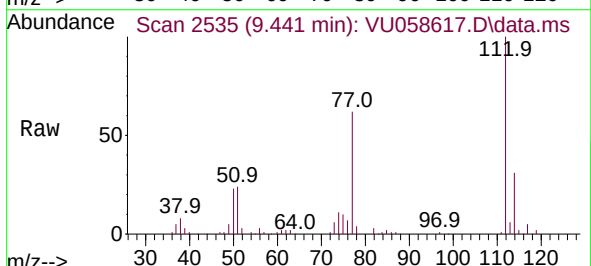
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

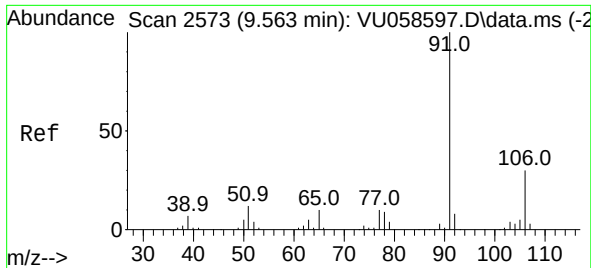
Tgt Ion:107 Resp: 17424
Ion Ratio Lower Upper
107 100
109 92.6 67.3 124.9
188 3.5 2.5 3.7



#51
Chlorobenzene
Concen: 4.510 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion:112 Resp: 79294
Ion Ratio Lower Upper
112 100
114 31.1 22.4 41.6
77 62.4 50.1 75.1

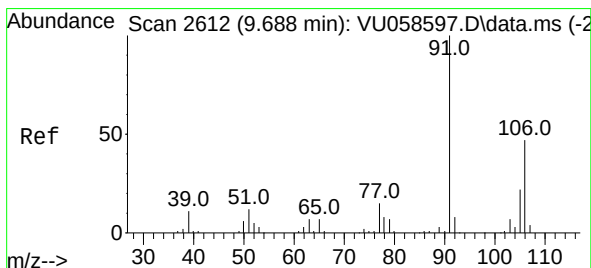
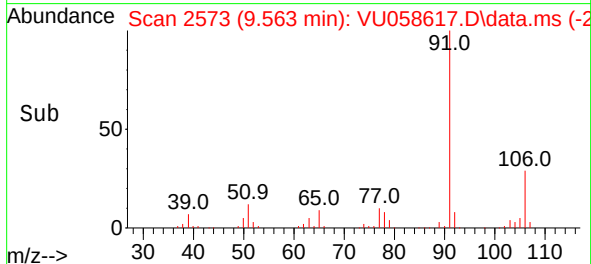
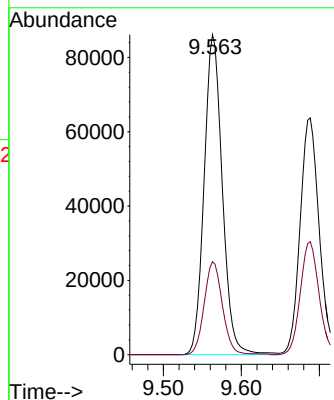
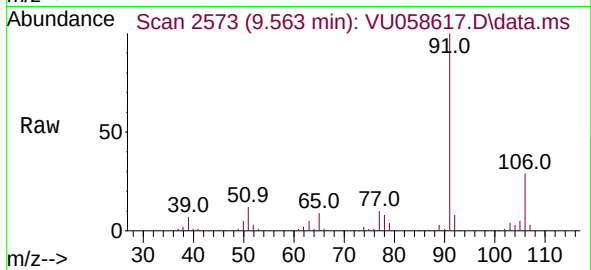




#52
Ethylbenzene
Concen: 4.546 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

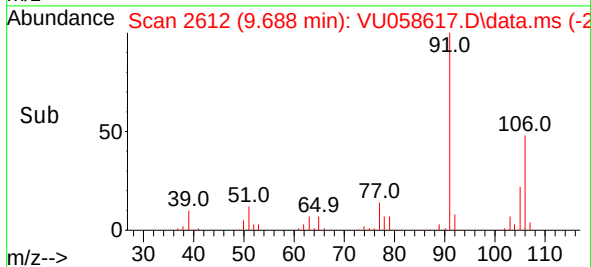
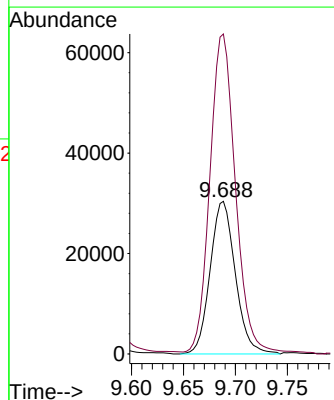
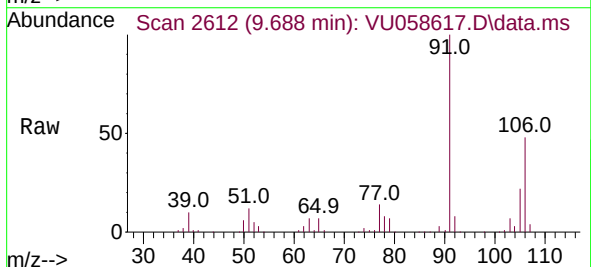
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

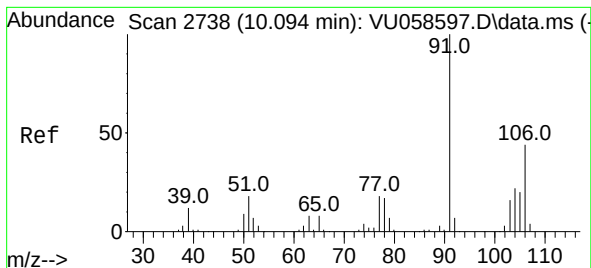
Tgt Ion: 91 Resp: 139935
Ion Ratio Lower Upper
91 100
106 29.1 20.6 38.4



#53
m,p-Xylene
Concen: 4.651 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion: 106 Resp: 51265
Ion Ratio Lower Upper
106 100
91 209.7 147.8 274.4





#54

o-Xylene

Concen: 4.584 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

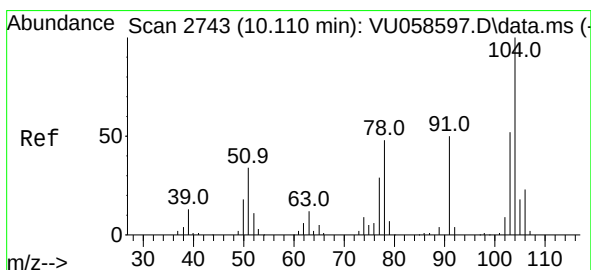
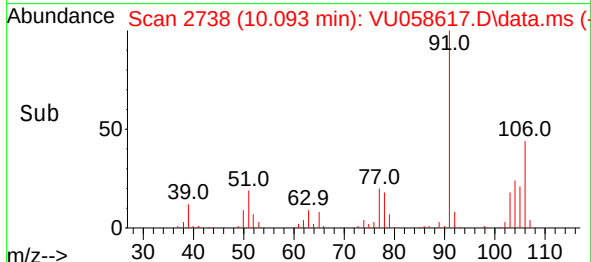
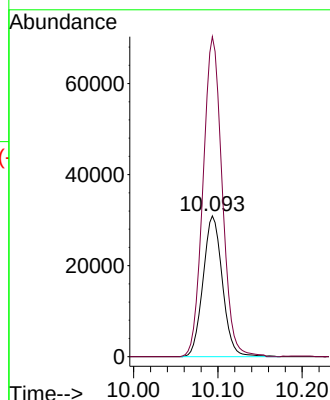
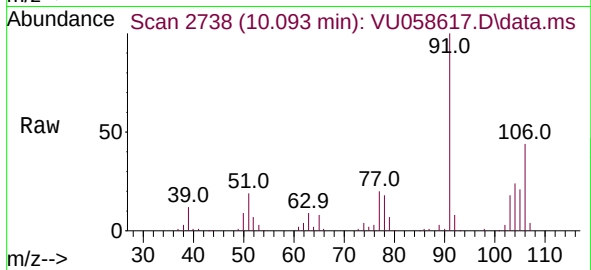
E0MC0MSD

Tgt Ion:106 Resp: 49540

Ion Ratio Lower Upper

106 100

91 227.1 156.9 291.5



#55

Styrene

Concen: 4.699 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU058617.D

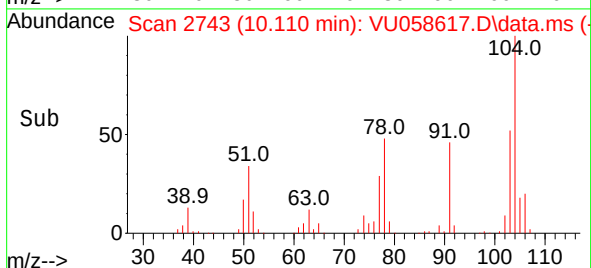
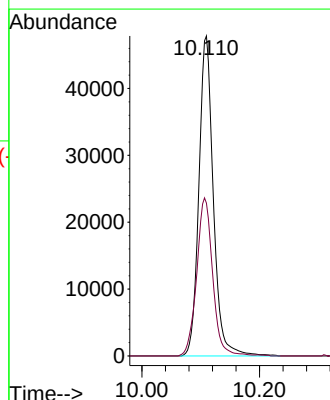
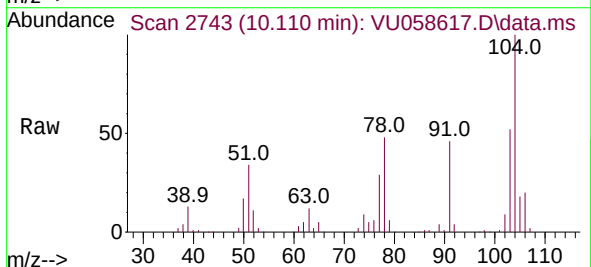
Acq: 11 Apr 2024 18:46

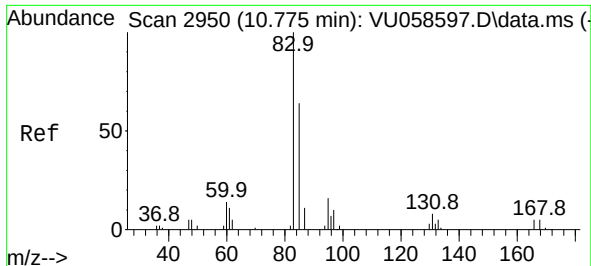
Tgt Ion:104 Resp: 81699

Ion Ratio Lower Upper

104 100

78 47.7 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.685 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

E0MC0MSD

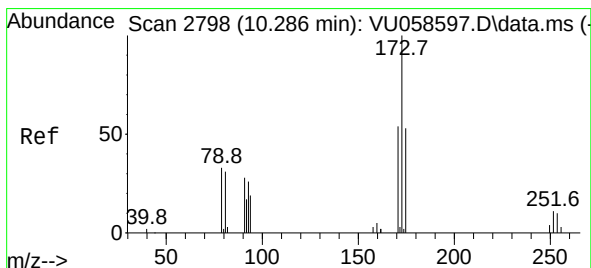
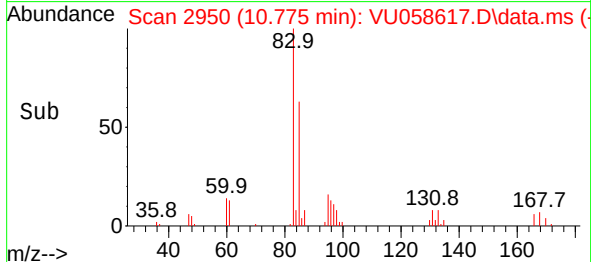
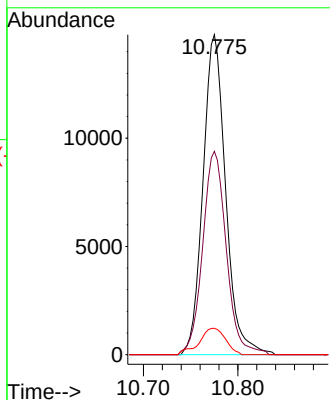
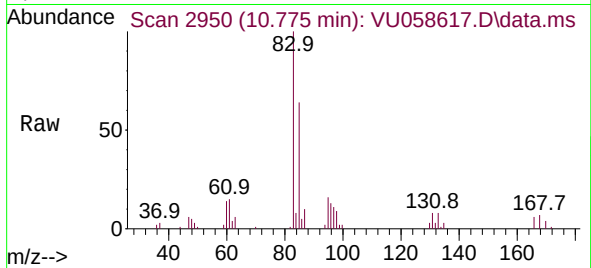
Tgt Ion: 83 Resp: 24598

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

131 8.2 6.9 10.3



#59

Bromoform

Concen: 4.558 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

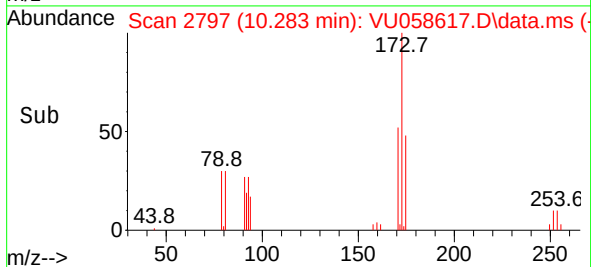
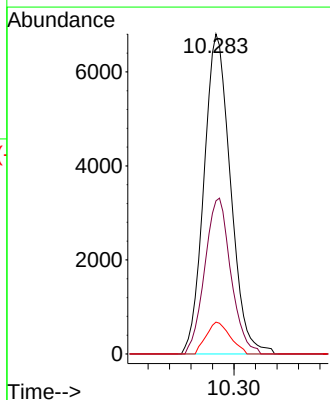
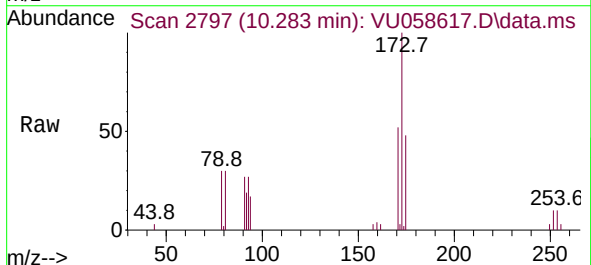
Tgt Ion:173 Resp: 11652

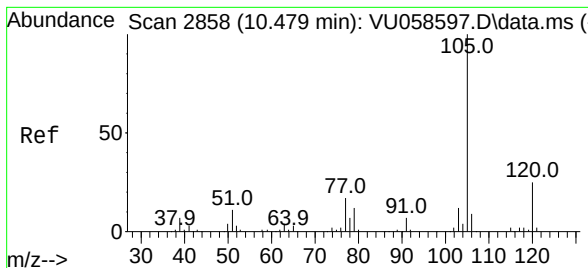
Ion Ratio Lower Upper

173 100

175 47.9 38.0 57.0

254 8.9 7.5 11.3





#60

Isopropylbenzene

Concen: 4.521 ug/L

RT: 10.476 min Scan# 2858

Delta R.T. -0.003 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

E0MC0MSD

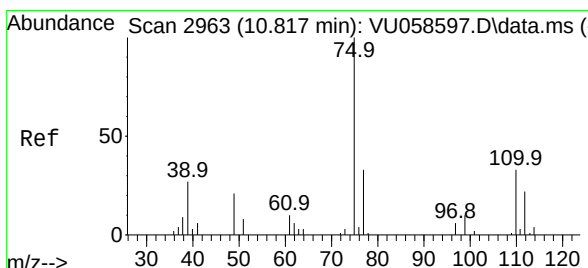
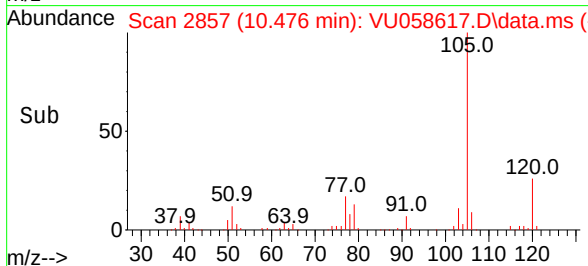
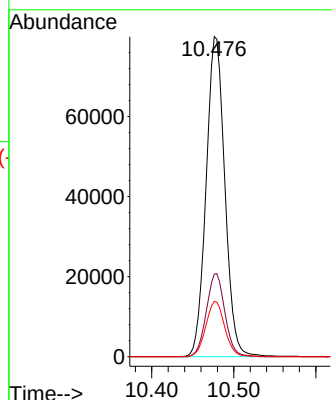
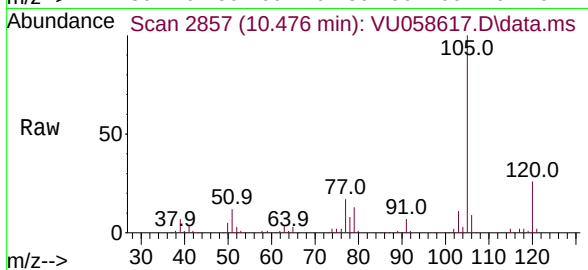
Tgt Ion:105 Resp: 126642

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.4

77 17.5 13.5 20.3



#61

1,2,3-Trichloropropane

Concen: 4.467 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

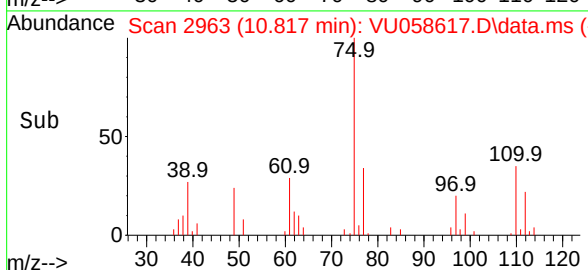
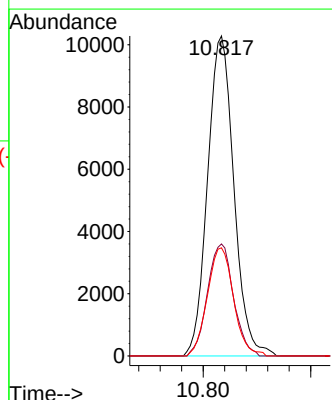
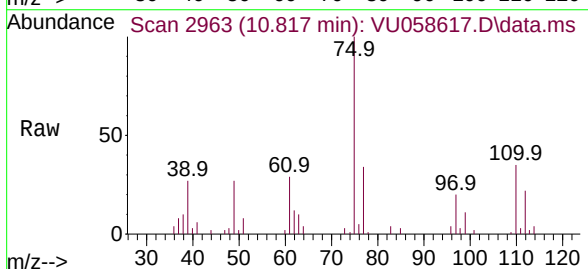
Tgt Ion: 75 Resp: 17438

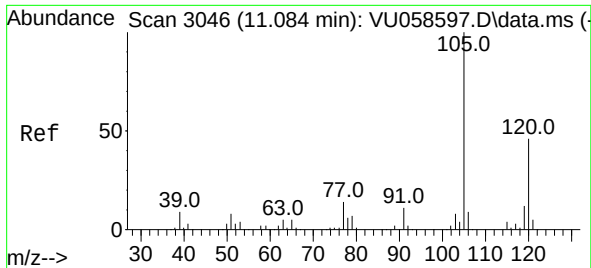
Ion Ratio Lower Upper

75 100

110 34.7 25.8 38.6

77 33.7 25.1 37.7





#62

1,3,5-Trimethylbenzene

Concen: 4.476 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

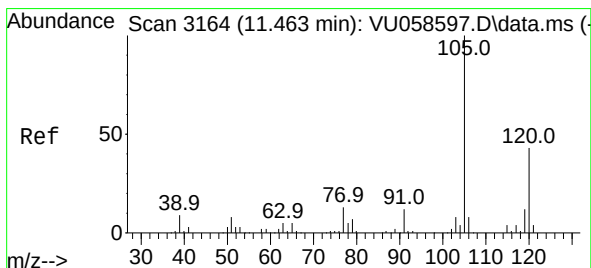
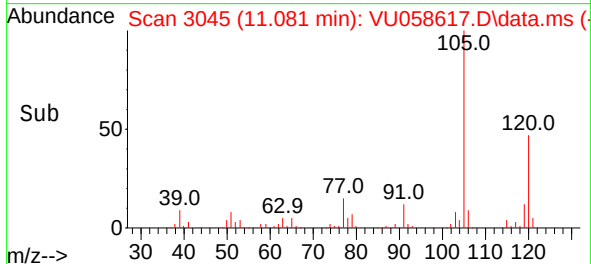
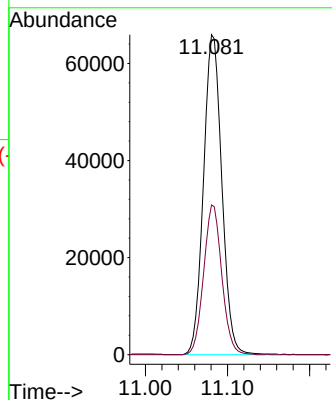
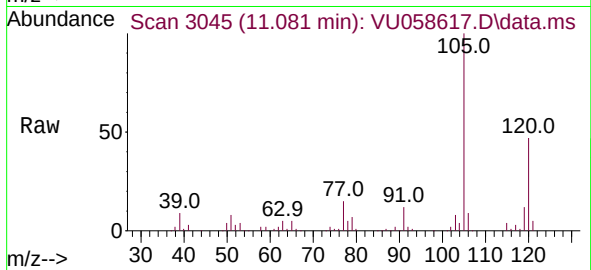
E0MC0MSD

Tgt Ion:105 Resp: 102241

Ion Ratio Lower Upper

105 100

120 46.3 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 4.506 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU058617.D

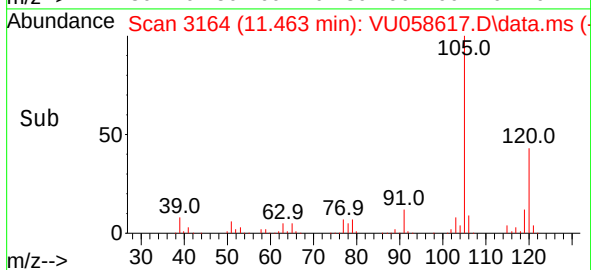
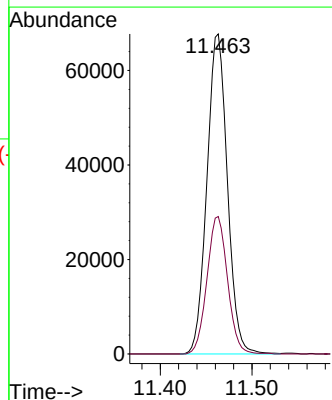
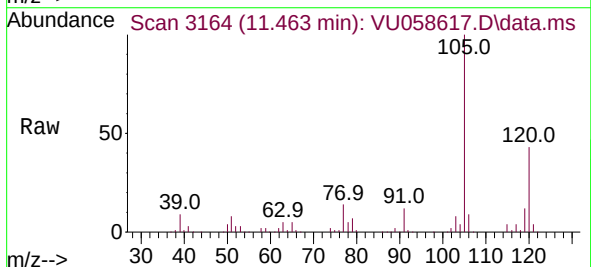
Acq: 11 Apr 2024 18:46

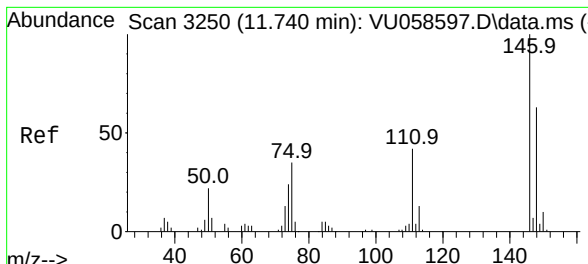
Tgt Ion:105 Resp: 105092

Ion Ratio Lower Upper

105 100

120 43.2 34.7 52.1

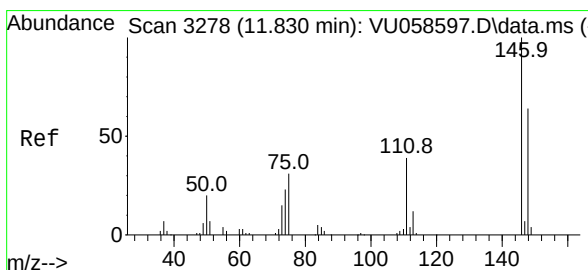
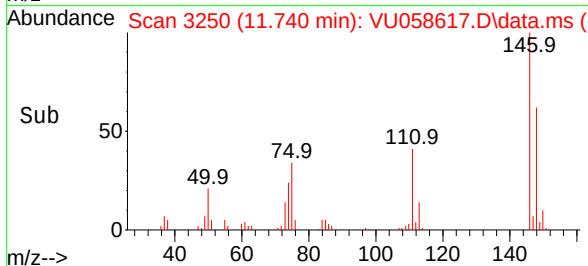
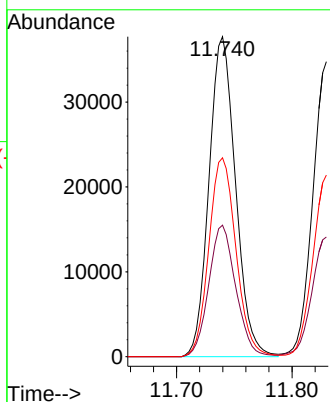
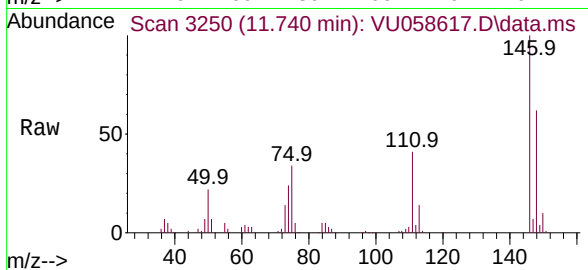




#64
1,3-Dichlorobenzene
Concen: 4.426 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

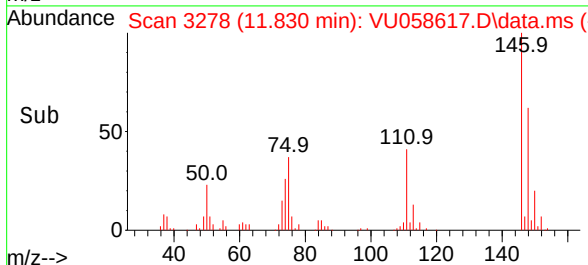
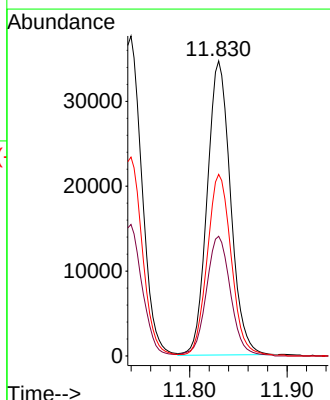
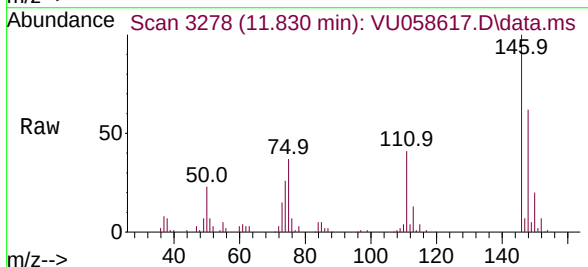
Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

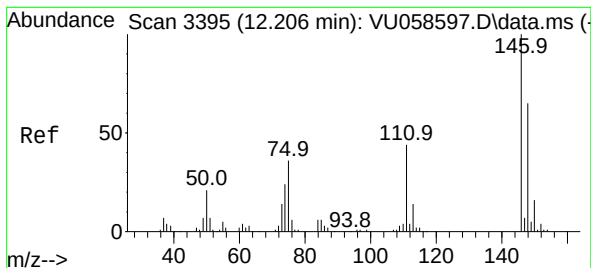
Tgt Ion:146 Resp: 60220
Ion Ratio Lower Upper
146 100
111 41.1 28.8 53.4
148 62.2 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 4.356 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion:146 Resp: 57738
Ion Ratio Lower Upper
146 100
111 40.5 28.8 53.6
148 61.5 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.385 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

E0MC0MSD

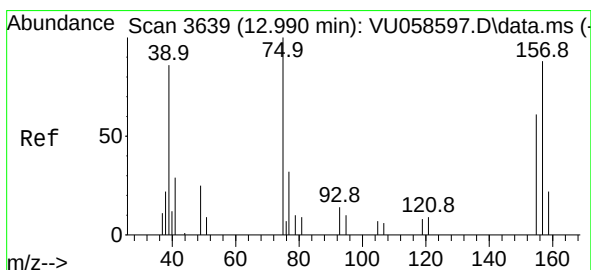
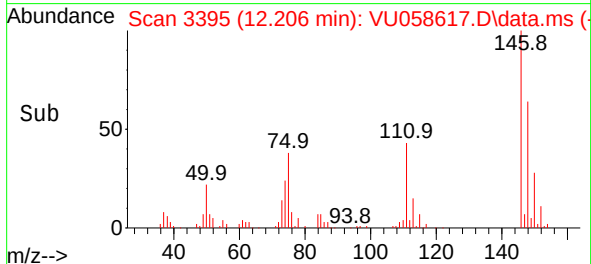
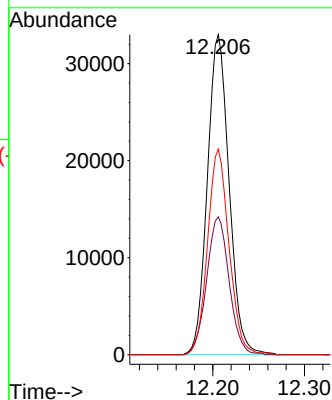
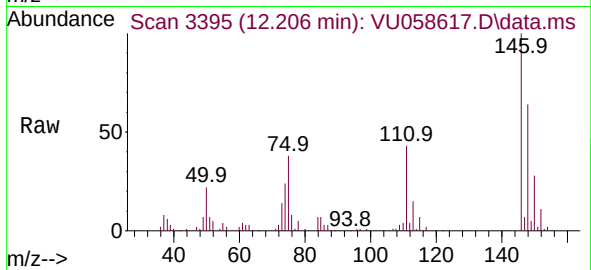
Tgt Ion:146 Resp: 54268

Ion Ratio Lower Upper

146 100

111 43.1 35.0 52.4

148 64.2 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.797 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

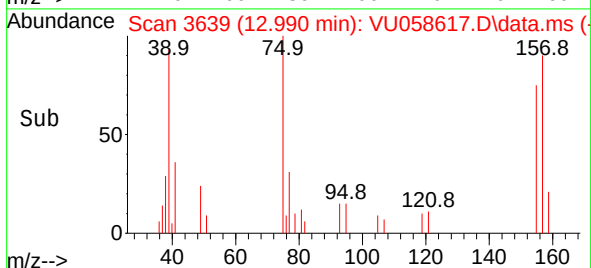
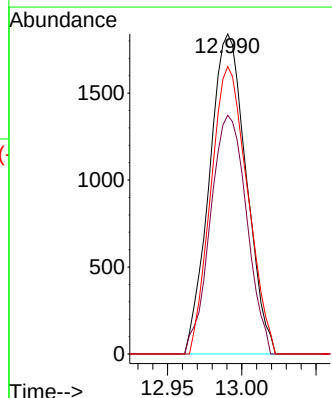
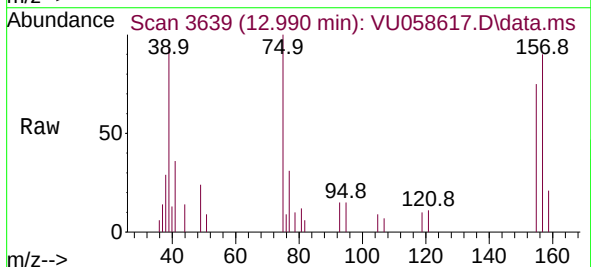
Tgt Ion: 75 Resp: 3176

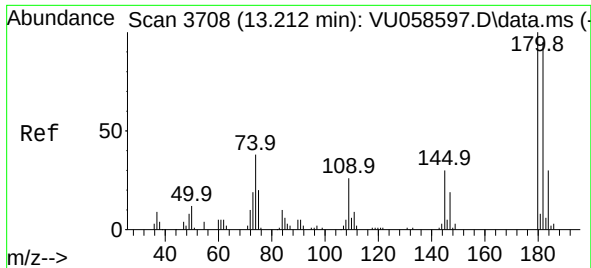
Ion Ratio Lower Upper

75 100

155 74.6 61.4 92.0

157 89.8 81.7 122.5





#69

1,3,5-Trichlorobenzene

Concen: 4.262 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

Instrument :

MSVOA_U

ClientSampleId :

E0MC0MSD

Tgt Ion:180 Resp: 42879

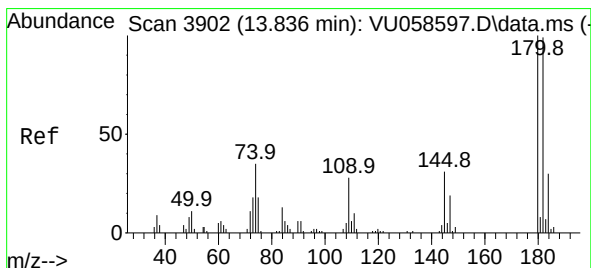
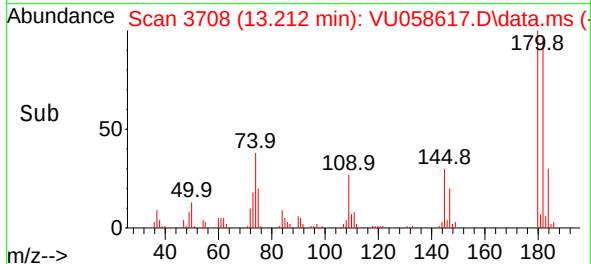
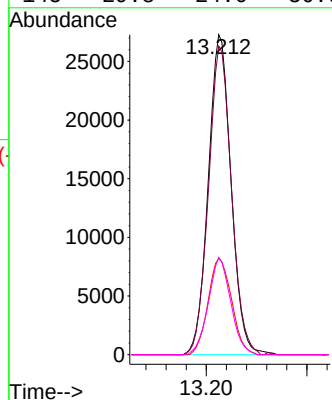
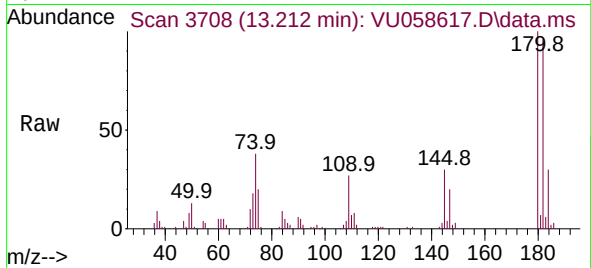
Ion Ratio Lower Upper

180 100

182 97.1 75.7 113.5

184 31.0 24.3 36.5

145 29.8 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.159 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU058617.D

Acq: 11 Apr 2024 18:46

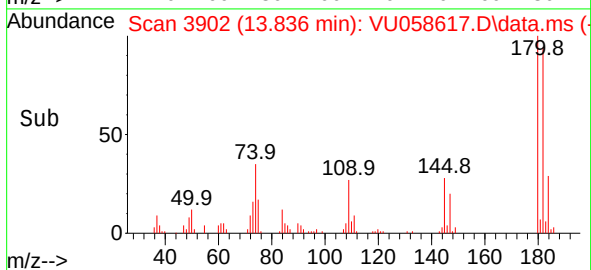
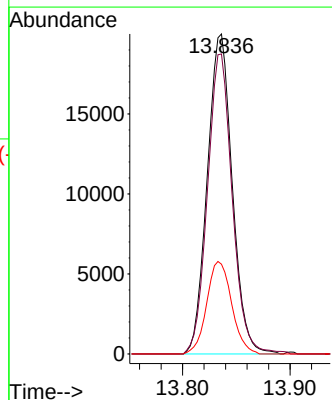
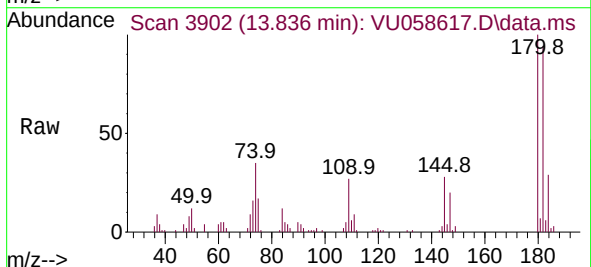
Tgt Ion:180 Resp: 32264

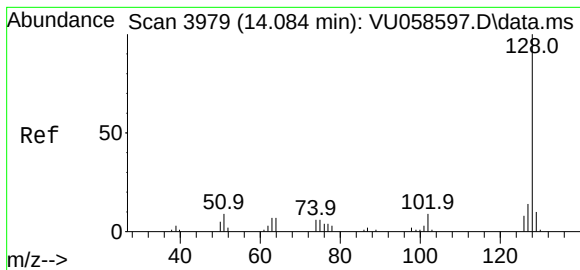
Ion Ratio Lower Upper

180 100

182 93.0 74.4 111.6

145 28.9 24.1 36.1

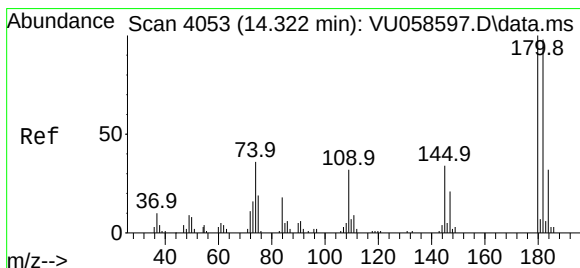
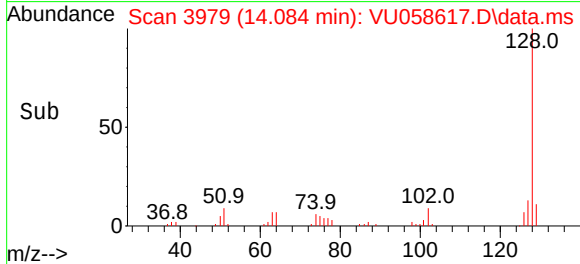
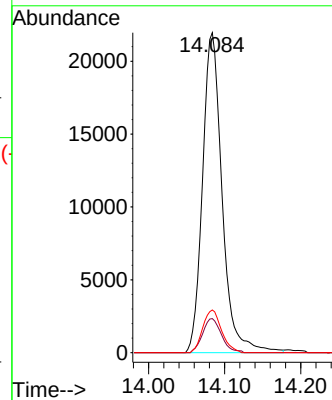
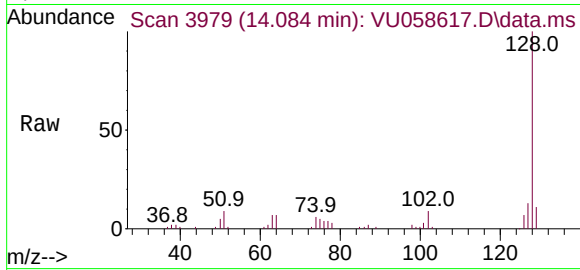




#71
Naphthalene
Concen: 3.698 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Instrument :
MSVOA_U
ClientSampleId :
E0MC0MSD

Tgt Ion:128	Resp:	39318
Ion Ratio	Lower	Upper
128	100	
129	10.2	8.6 13.0
127	12.8	11.0 16.6



#72
1,2,3-Trichlorobenzene
Concen: 4.171 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU058617.D
Acq: 11 Apr 2024 18:46

Tgt Ion:180	Resp:	26724
Ion Ratio	Lower	Upper
180	100	
182	94.5	75.9 113.9
145	31.3	25.2 37.8

