

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052824\
 Data File : VU059019.D
 Acq On : 28 May 2024 09:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 29 02:36:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 04:10:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	189280	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	185704	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88004	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	88584	44.250	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.500%
7) Chloroethane-d5	1.904	69	70829	42.572	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.140%
11) 1,1-Dichloroethene-d2	2.560	63	133636	43.693	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.380%
21) 2-Butanone-d5	4.608	46	139236	101.254	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.250%
24) Chloroform-d	5.055	84	149620	43.573	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.140%
26) 1,2-Dichloroethane-d4	5.692	65	94409	44.956	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.920%
32) Benzene-d6	5.721	84	298715	47.182	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.360%
36) 1,2-Dichloropropane-d6	6.682	67	99682	47.669	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.340%
41) Toluene-d8	7.891	98	262644	46.282	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.560%
43) trans-1,3-Dichloroprop...	8.174	79	43496	46.323	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.640%
47) 2-Hexanone-d5	8.624	63	83576	96.636	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.640%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	142194	45.200	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	87821	48.363	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	49503	39.090	ug/L	98
3) Chloromethane	1.515	50	57094	42.074	ug/L	99
5) Vinyl chloride	1.599	62	64007	40.392	ug/L	99
6) Bromomethane	1.846	94	36981	39.373	ug/L	96
8) Chloroethane	1.923	64	44604	41.045	ug/L	96
9) Trichlorofluoromethane	2.132	101	92170	42.764	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	61596	42.042	ug/L	96
12) 1,1-Dichloroethene	2.573	96	45803	39.061	ug/L	80
13) Acetone	2.612	43	126817	104.599	ug/L	98
14) Carbon disulfide	2.785	76	81523	36.954	ug/L	100
15) Methyl Acetate	2.936	43	95584	48.921	ug/L	99
16) Methylene chloride	3.036	84	67746	36.219	ug/L	93
17) trans-1,2-Dichloroethene	3.345	96	47122	40.002	ug/L	92
18) Methyl tert-butyl Ether	3.351	73	215253	46.165	ug/L	99
19) 1,1-Dichloroethane	3.859	63	135224	45.062	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	65973	42.310	ug/L	94
22) 2-Butanone	4.689	43	160284	101.488	ug/L	97
23) Bromochloromethane	4.965	128	33180	40.819	ug/L	92
25) Chloroform	5.078	83	138893	43.838	ug/L	98

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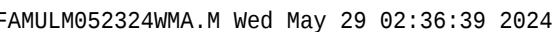
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 ClientSampleId :

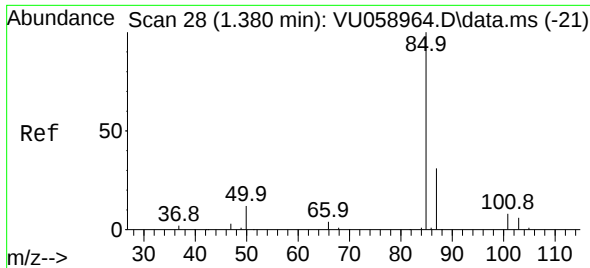
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 Quant Title : VOC Analysis
 QLast Update : Mon May 27 04:10:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	107720	44.543	ug/L	99
29) Cyclohexane	5.383	56	75757	47.928	ug/L	97
30) 1,1,1-Trichloroethane	5.306	97	102584	46.026	ug/L	98
31) Carbon tetrachloride	5.515	117	80162	44.528	ug/L	98
33) Benzene	5.766	78	265637	47.580	ug/L	100
34) Trichloroethene	6.537	95	64962	43.841	ug/L	99
35) Methylcyclohexane	6.759	83	76856	44.253	ug/L	94
37) 1,2-Dichloropropane	6.782	63	87491	48.220	ug/L	100
38) Bromodichloromethane	7.100	83	105283	46.691	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	115779	46.325	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	275901	106.668	ug/L	97
42) Toluene	7.962	91	273219	45.655	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	112346	47.485	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	82538	46.077	ug/L	97
46) Tetrachloroethene	8.547	164	40479	40.972	ug/L	98
48) 2-Hexanone	8.676	43	225373	105.823	ug/L	97
49) Dibromochloromethane	8.804	129	74364	43.442	ug/L	97
50) 1,2-Dibromoethane	8.917	107	76459	44.669	ug/L	95
51) Chlorobenzene	9.441	112	173291	43.810	ug/L	95
52) Ethylbenzene	9.563	91	296018	45.708	ug/L	100
53) m,p-Xylene	9.688	106	108193	46.508	ug/L	99
54) o-Xylene	10.094	106	109373	46.974	ug/L	100
55) Styrene	10.110	104	194021	46.650	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	147665	45.744	ug/L	98
59) Bromoform	10.283	173	57120	48.971	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	119828	53.506	ug/L	98
61) Isopropylbenzene	10.479	105	296592	52.777	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	232174	52.441	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	239256	53.586	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	137386	47.090	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	138026	46.840	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	141599	47.718	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	32645	53.882	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	94380	45.928	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	79916	45.151	ug/L	97
71) Naphthalene	14.081	128	244980	47.453	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	84554	46.639	ug/L	99

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

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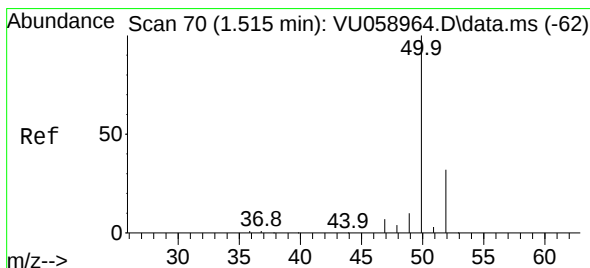
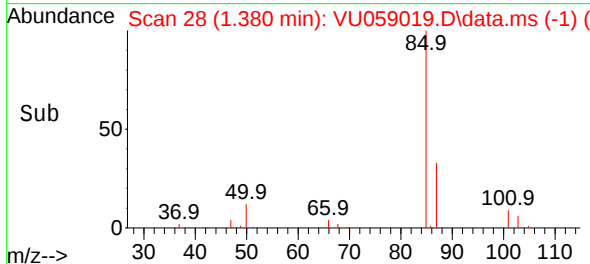
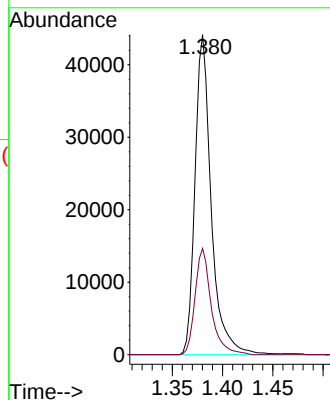
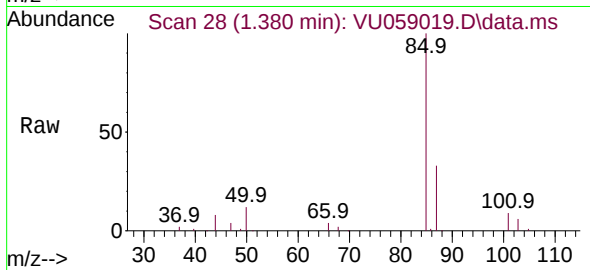




#2
 Dichlorodifluoromethane
 Concen: 39.090 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU059019.D
 Acq: 28 May 2024 09:55

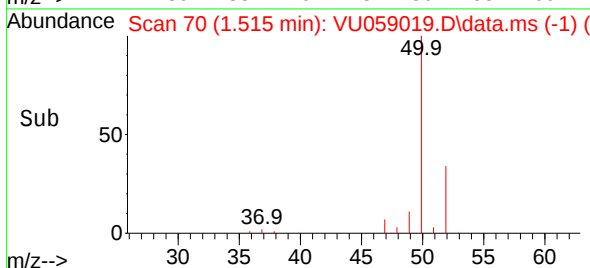
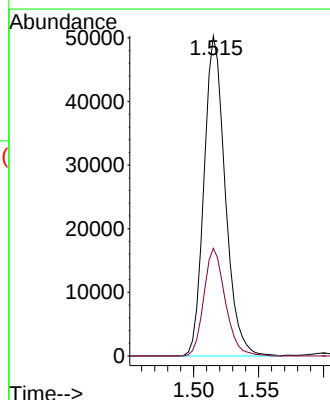
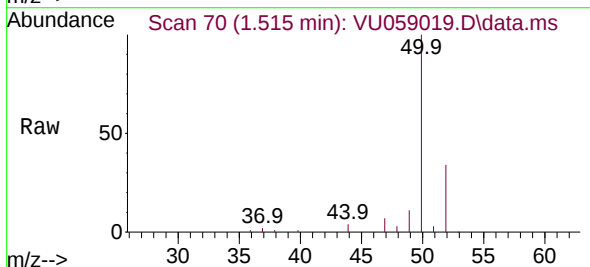
Instrument :
 MSVOA_U
 ClientSampleId :

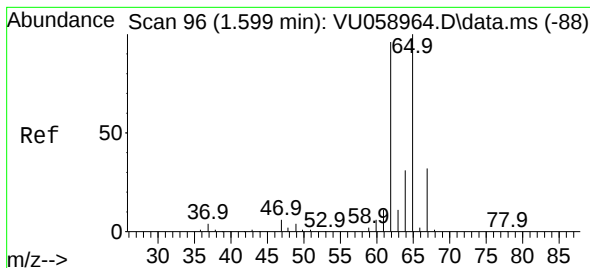
Tgt Ion: 85 Resp: 49503
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.7 38.5



#3
 Chloromethane
 Concen: 42.074 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VU059019.D
 Acq: 28 May 2024 09:55

Tgt Ion: 50 Resp: 57094
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.9 44.3





#5

Vinyl chloride

Concen: 40.392 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.003 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

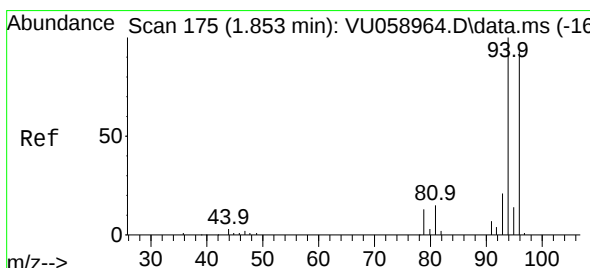
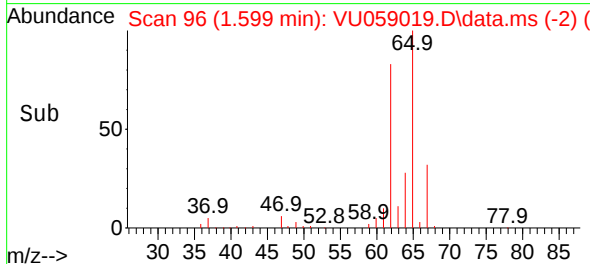
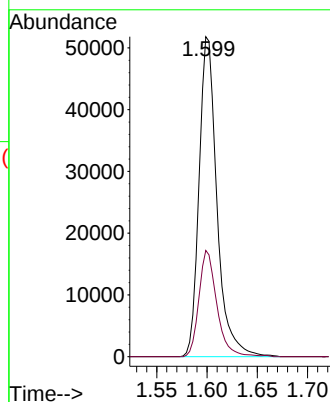
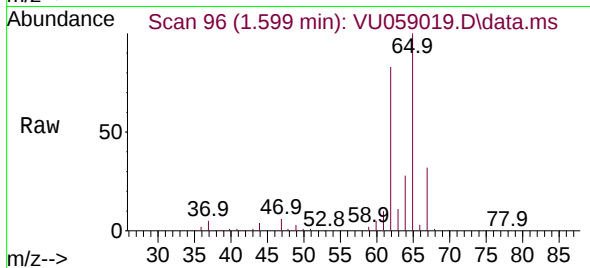
ClientSampleId :

Tgt Ion: 62 Resp: 64007

Ion Ratio Lower Upper

62 100

64 33.2 23.7 43.9



#6

Bromomethane

Concen: 39.373 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.022 min

Lab File: VU059019.D

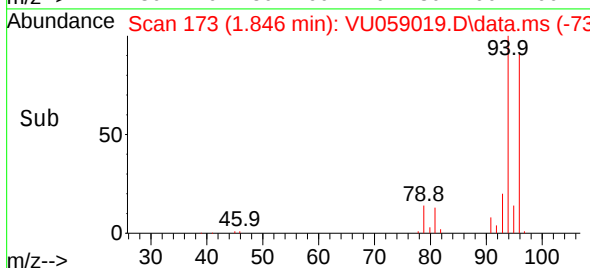
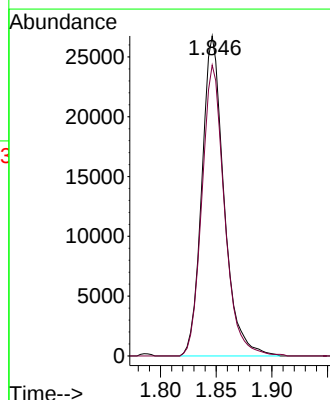
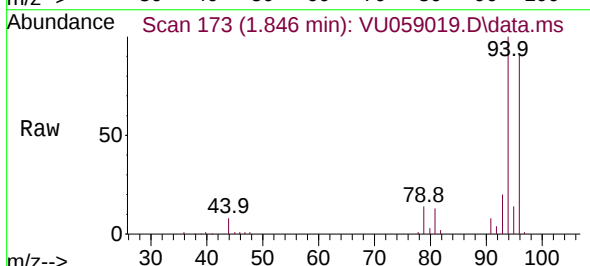
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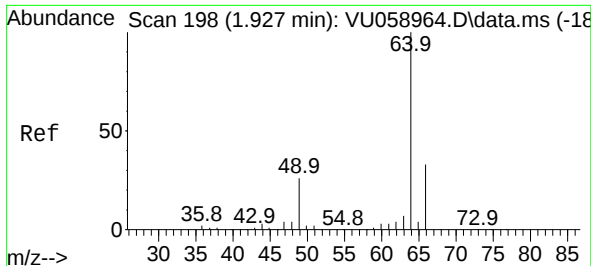
Tgt Ion: 94 Resp: 36981

Ion Ratio Lower Upper

94 100

96 90.9 66.6 123.6





#8

Chloroethane

Concen: 41.045 ug/L

RT: 1.923 min Scan# 198

Delta R.T. 0.022 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

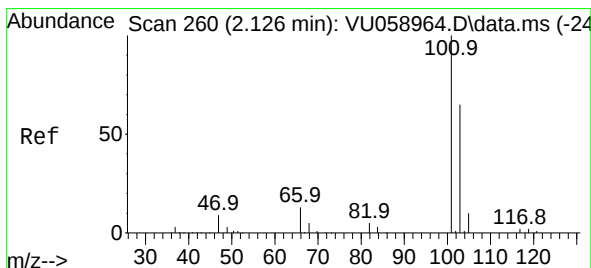
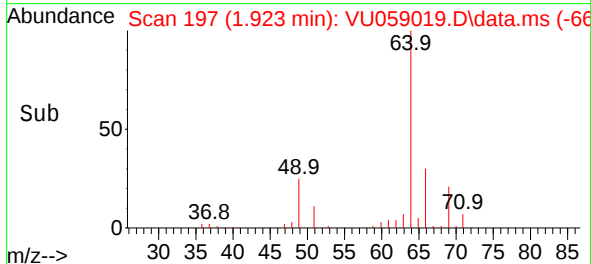
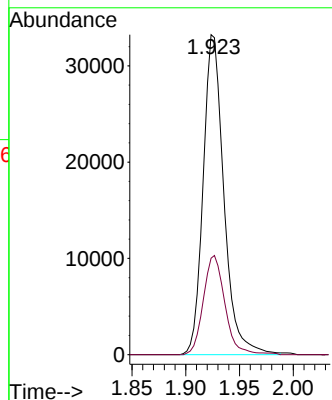
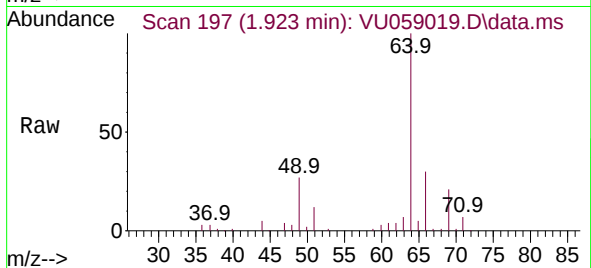
ClientSampleId :

Tgt Ion: 64 Resp: 44604

Ion Ratio Lower Upper

64 100

66 30.1 22.7 42.1



#9

Trichlorofluoromethane

Concen: 42.764 ug/L

RT: 2.132 min Scan# 262

Delta R.T. 0.016 min

Lab File: VU059019.D

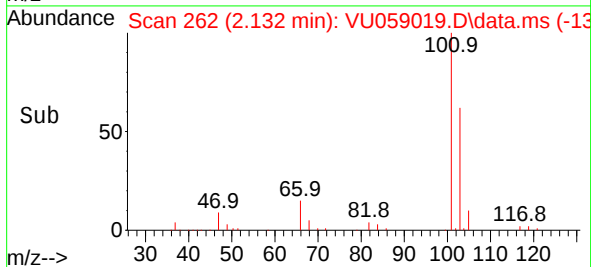
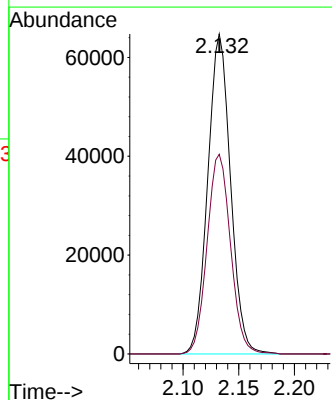
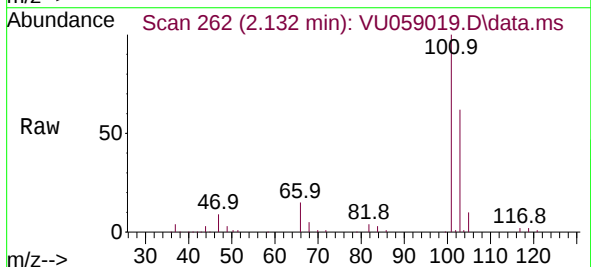
Acq: 28 May 2024 09:55

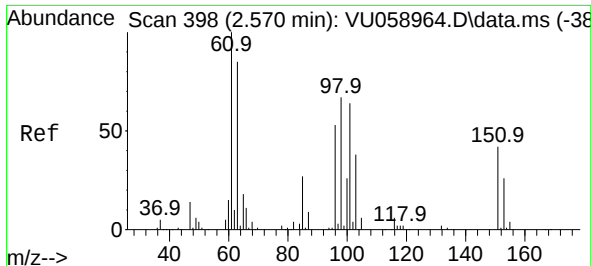
Tgt Ion:101 Resp: 92170

Ion Ratio Lower Upper

101 100

103 64.2 51.6 77.4

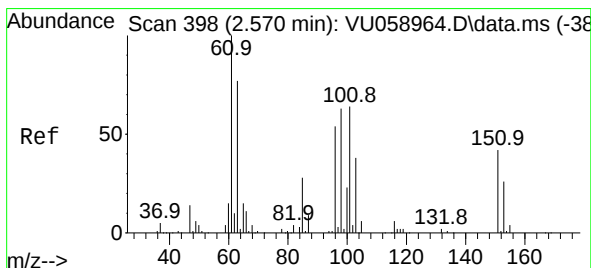
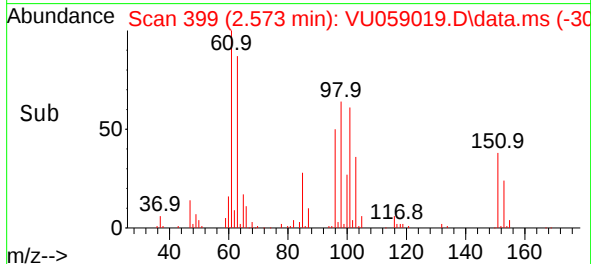
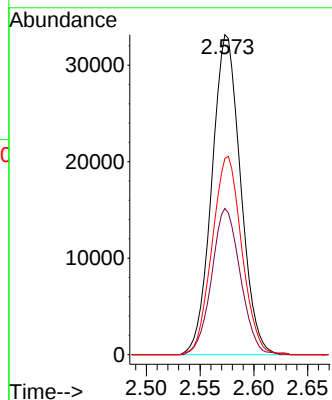
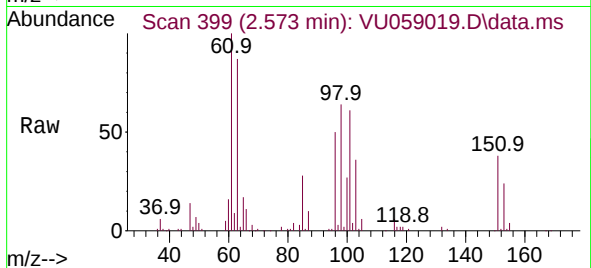




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 42.042 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.006 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

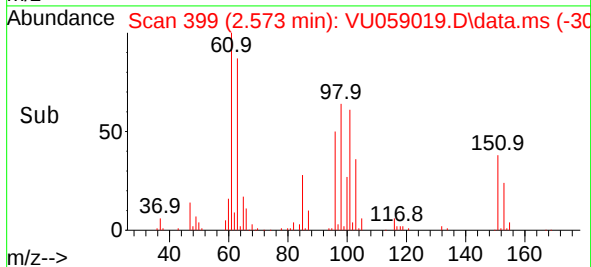
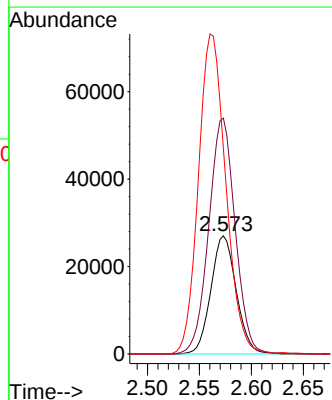
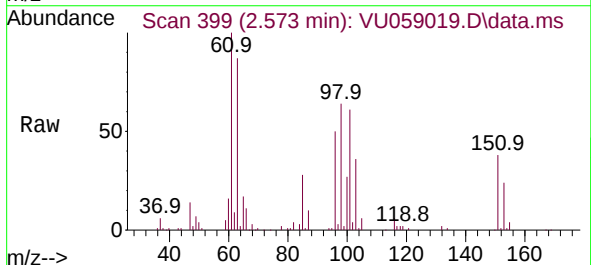
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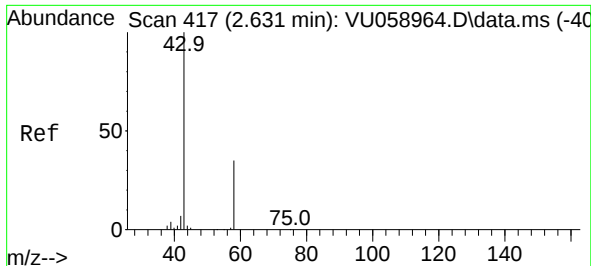
Tgt Ion:101 Resp: 61596
Ion Ratio Lower Upper
101 100
85 45.5 34.9 52.3
151 64.0 54.5 81.7



#12
1,1-Dichloroethene
Concen: 39.061 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.010 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion: 96 Resp: 45803
Ion Ratio Lower Upper
96 100
61 199.6 122.2 227.0
63 173.8 102.8 190.8





#13

Acetone

Concen: 104.599 ug/L

RT: 2.612 min Scan# 411

Delta R.T. -0.003 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

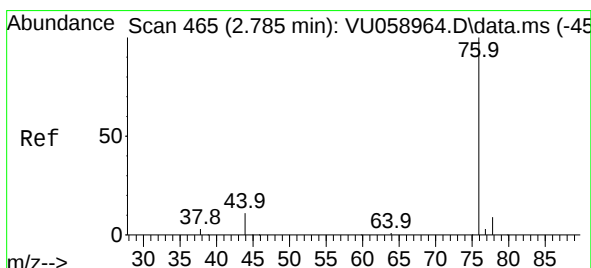
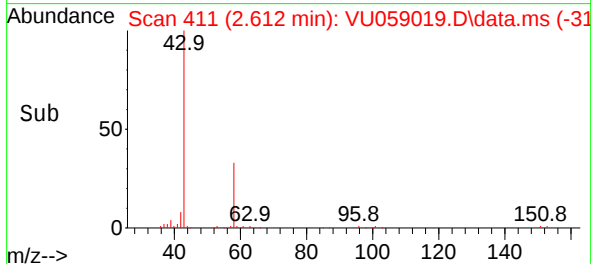
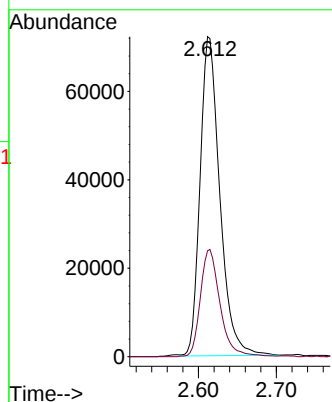
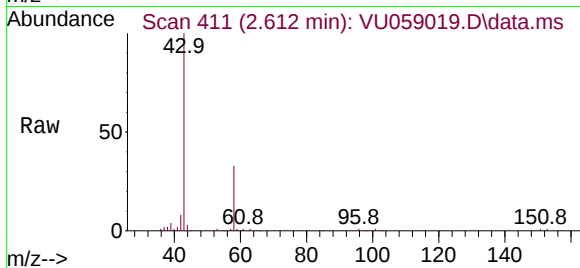
ClientSampleId :

Tgt Ion: 43 Resp: 126817

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.2



#14

Carbon disulfide

Concen: 36.954 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.010 min

Lab File: VU059019.D

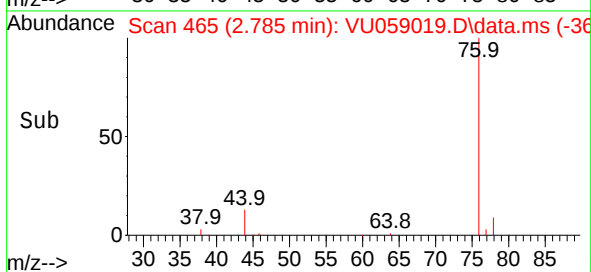
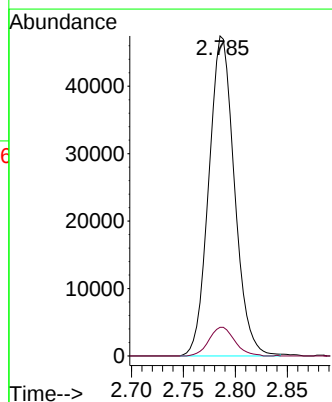
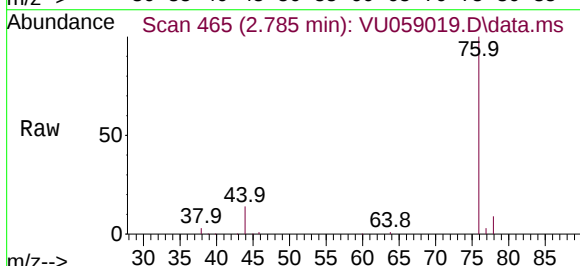
Acq: 28 May 2024 09:55

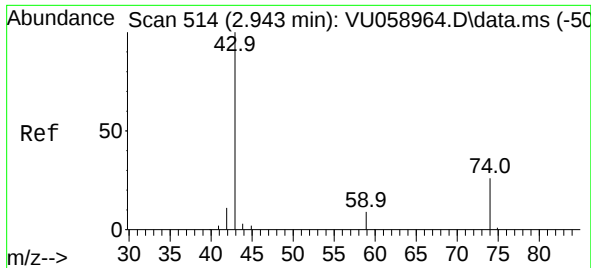
Tgt Ion: 76 Resp: 81523

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





#15

Methyl Acetate

Concen: 48.921 ug/L

RT: 2.936 min Scan# 514

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

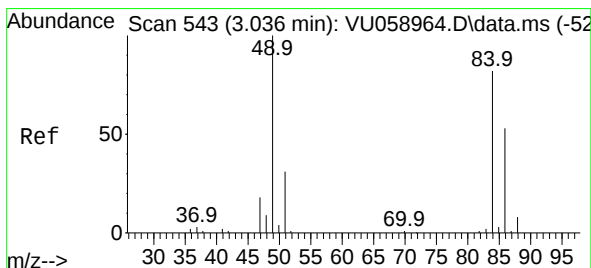
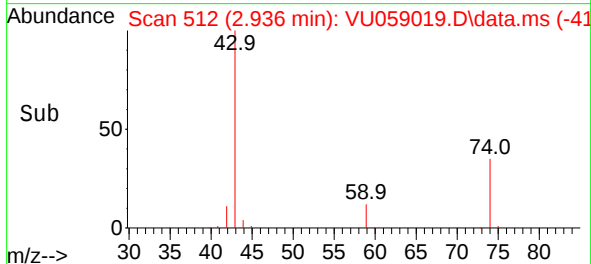
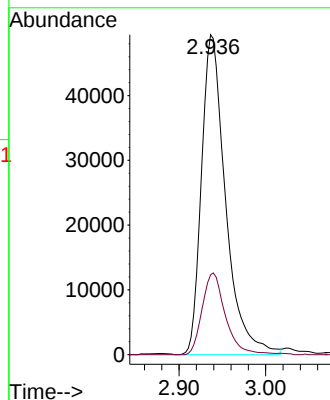
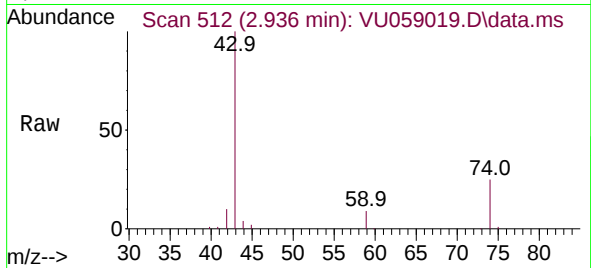
ClientSampleId :

Tgt Ion: 43 Resp: 95584

Ion Ratio Lower Upper

43 100

74 24.3 19.8 29.8



#16

Methylene chloride

Concen: 36.219 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.006 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

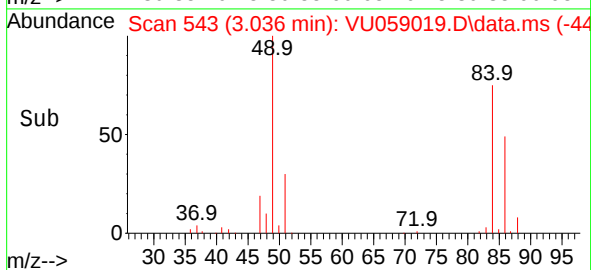
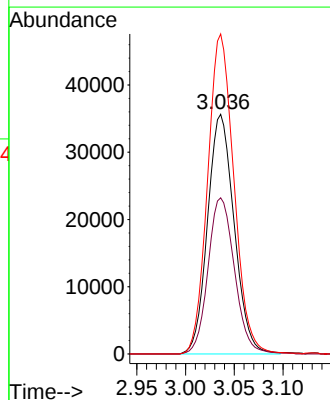
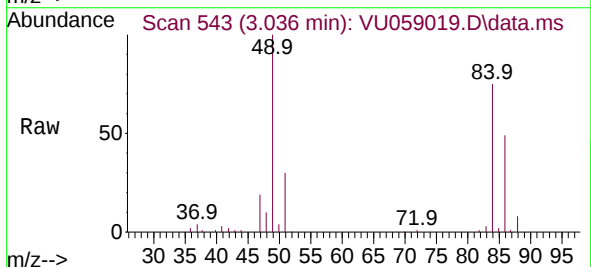
Tgt Ion: 84 Resp: 67746

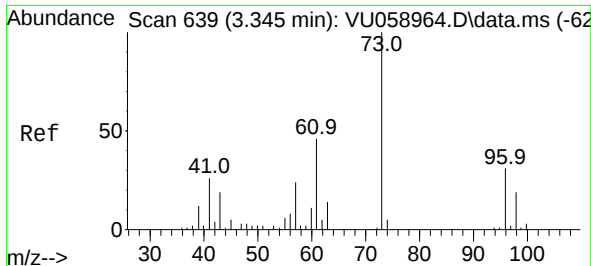
Ion Ratio Lower Upper

84 100

86 65.2 44.9 83.5

49 133.5 85.4 158.6

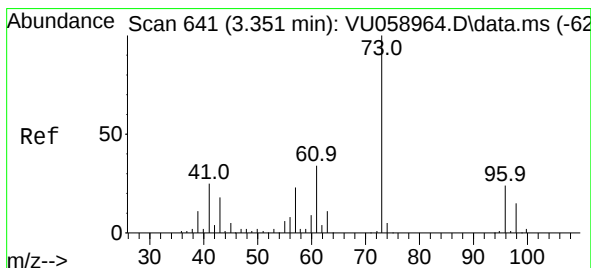
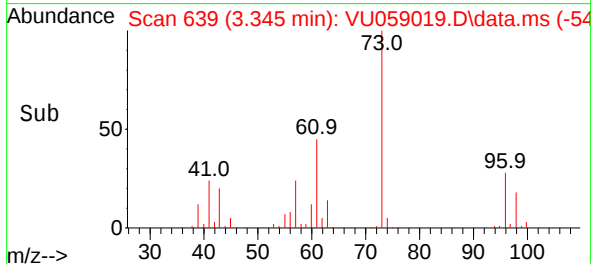
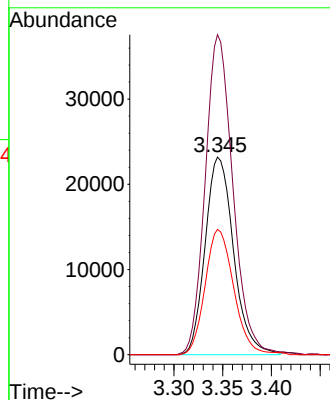
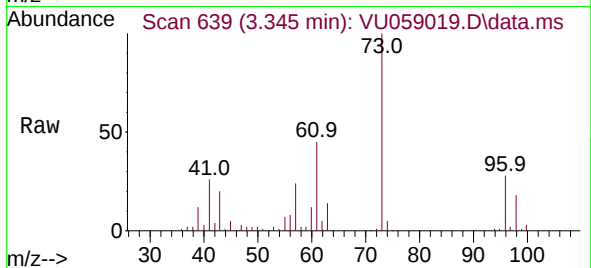




#17
trans-1,2-Dichloroethene
Concen: 40.002 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.006 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

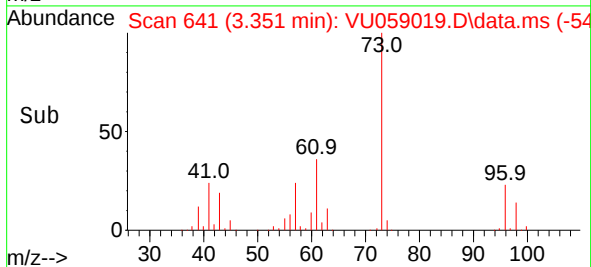
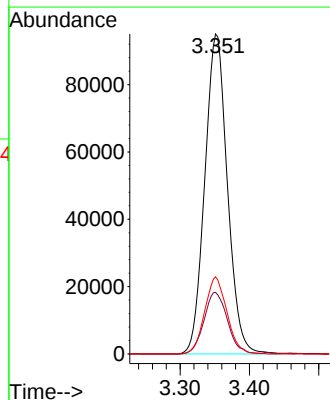
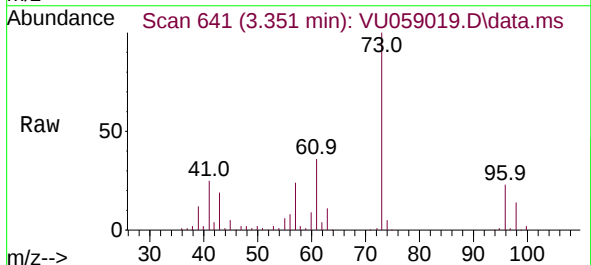
Instrument :
MSVOA_U
ClientSampleId :

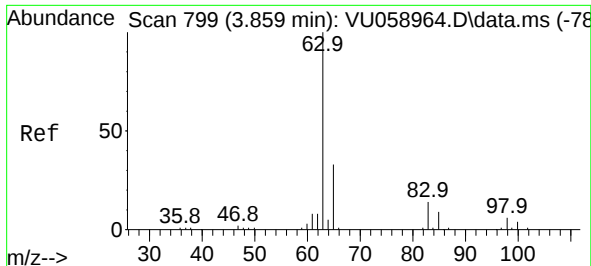
Tgt Ion: 96 Resp: 47122
Ion Ratio Lower Upper
96 100
61 162.0 103.5 192.1
98 63.4 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 46.165 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion: 73 Resp: 215253
Ion Ratio Lower Upper
73 100
43 20.0 15.4 23.2
57 23.7 18.6 27.8

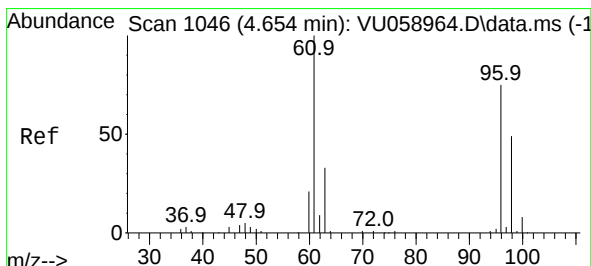
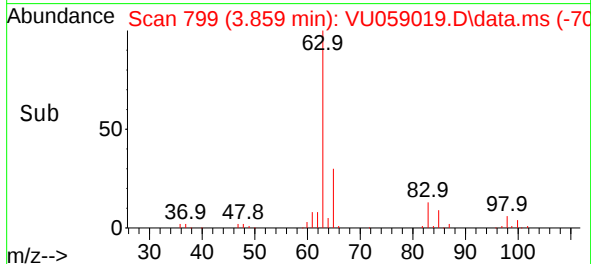
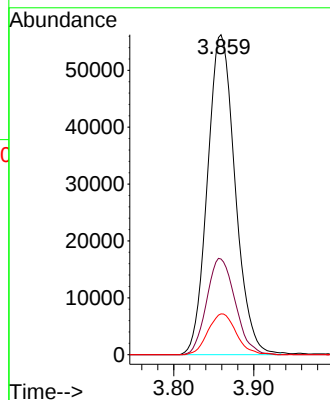
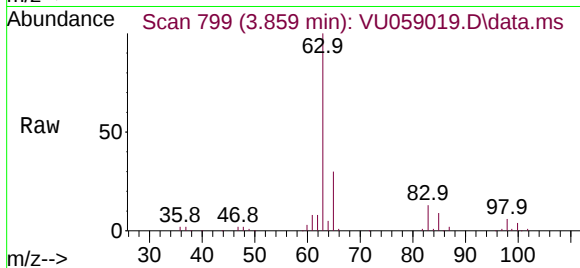




#19
1,1-Dichloroethane
Concen: 45.062 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

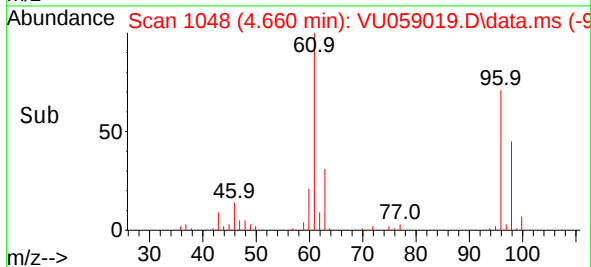
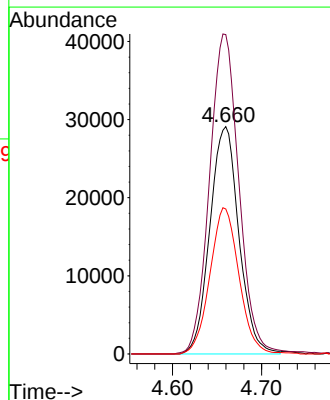
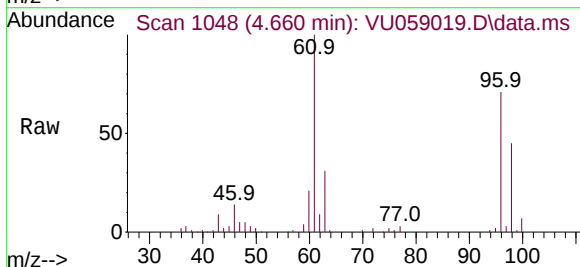
Instrument :
MSVOA_U
ClientSampleId :

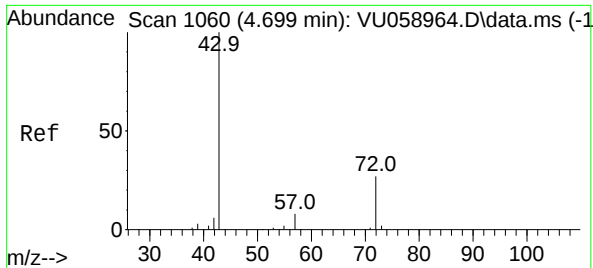
Tgt Ion: 63 Resp: 135224
Ion Ratio Lower Upper
63 100
65 29.9 22.3 41.3
83 12.7 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 42.310 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.010 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion: 96 Resp: 65973
Ion Ratio Lower Upper
96 100
61 140.4 91.1 169.3
98 63.8 44.4 82.4

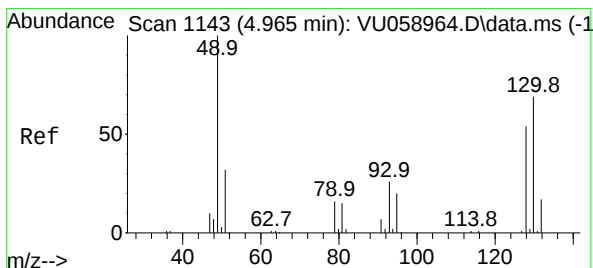
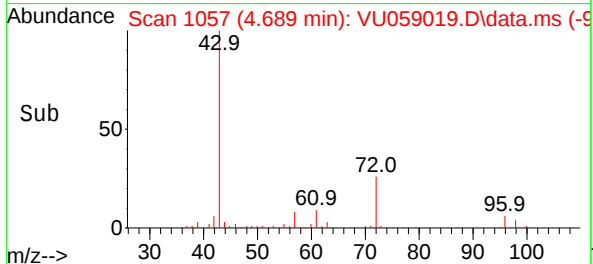
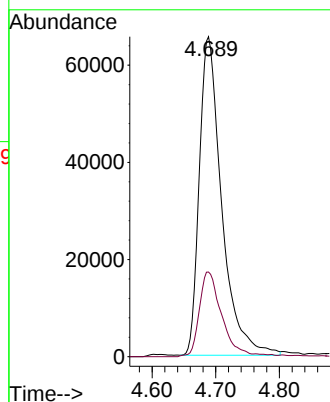
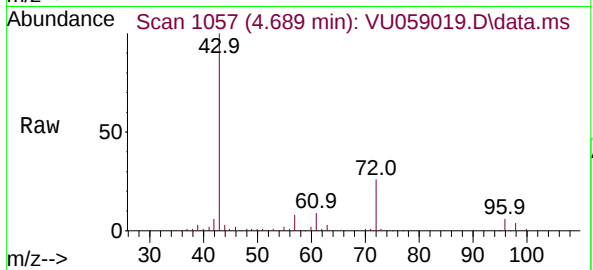




#22
2-Butanone
Concen: 101.488 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

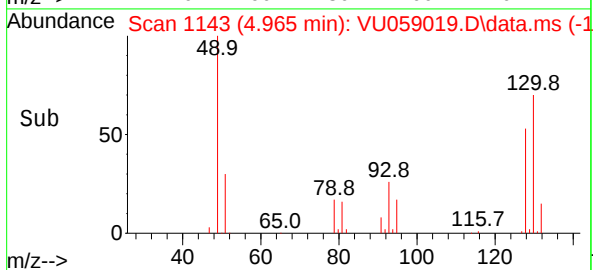
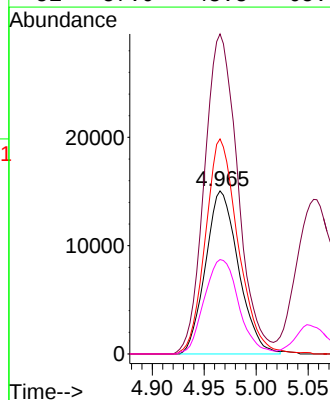
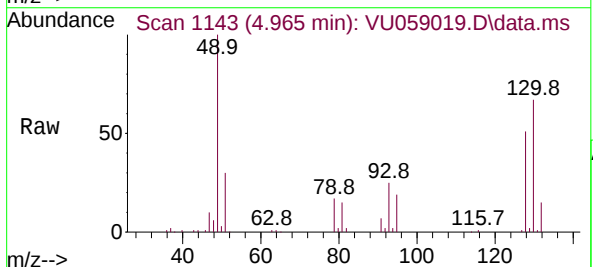
Instrument :
MSVOA_U
ClientSampleId :

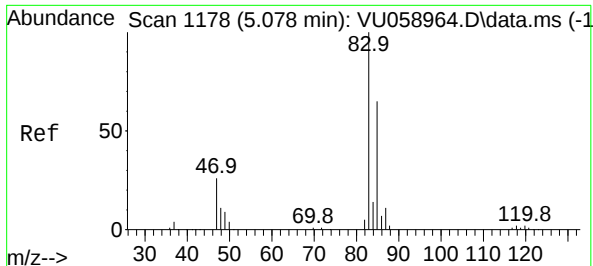
Tgt Ion: 43 Resp: 160284
Ion Ratio Lower Upper
43 100
72 26.1 13.9 41.7



#23
Bromochloromethane
Concen: 40.819 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion:128 Resp: 33180
Ion Ratio Lower Upper
128 100
49 196.2 123.8 229.8
130 131.9 90.6 168.2
51 57.9 43.8 65.6

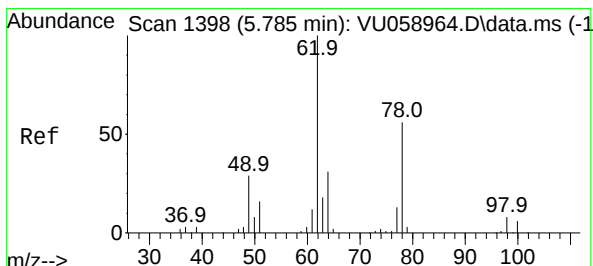
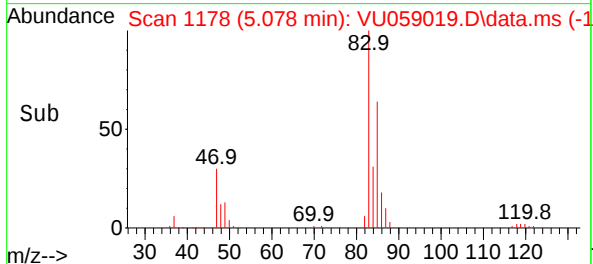
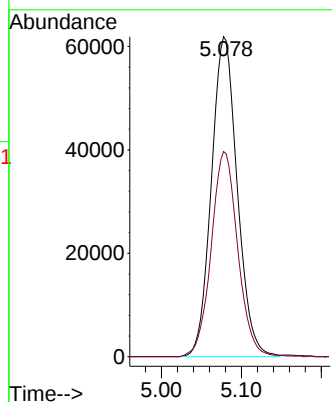
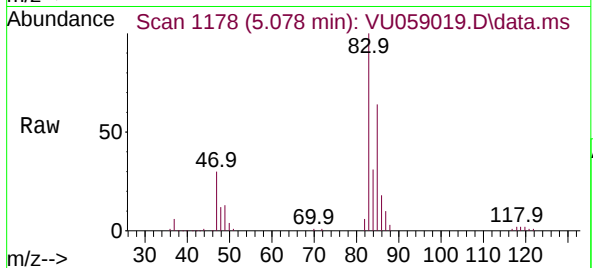




#25
Chloroform
Concen: 43.838 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

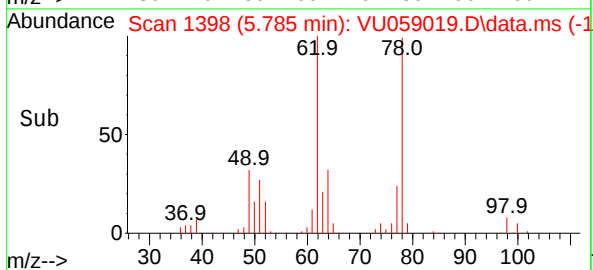
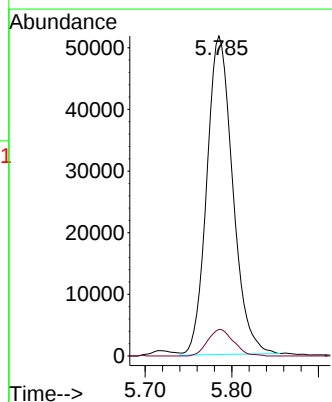
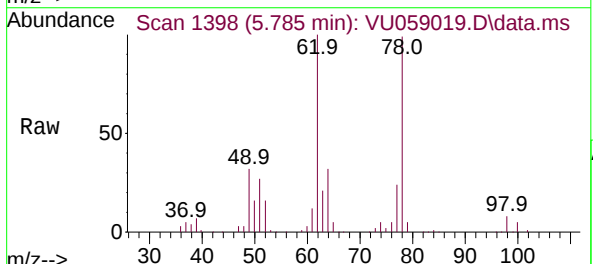
Instrument :
MSVOA_U
ClientSampleId :

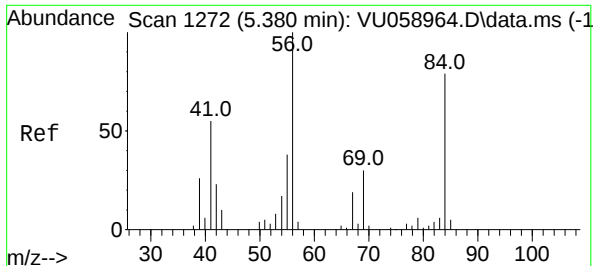
Tgt Ion: 83 Resp: 138893
Ion Ratio Lower Upper
83 100
85 64.1 43.8 81.3



#27
1,2-Dichloroethane
Concen: 44.543 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion: 62 Resp: 107720
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.4

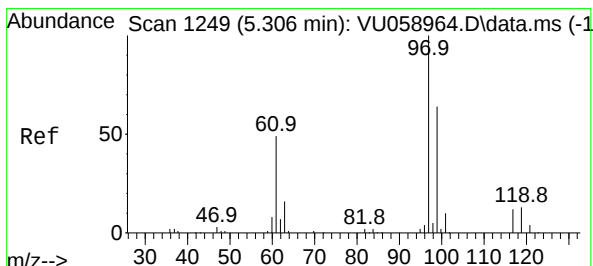
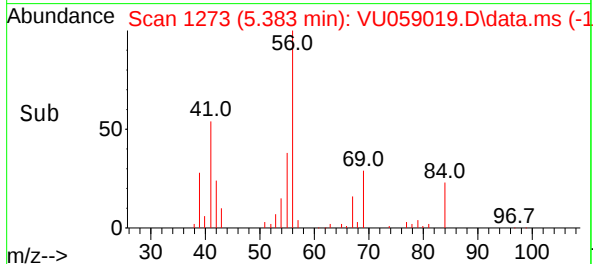
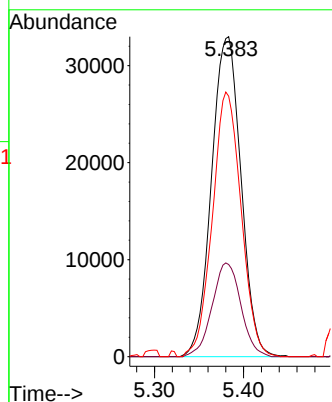
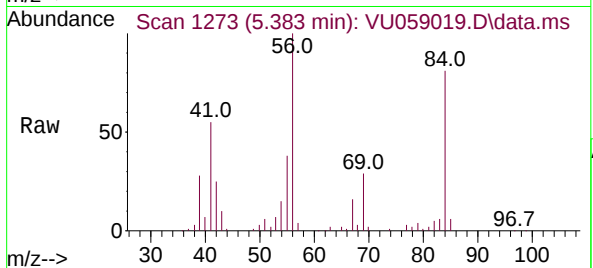




#29
Cyclohexane
Concen: 47.928 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.006 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

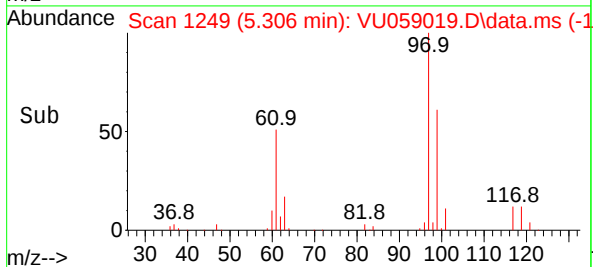
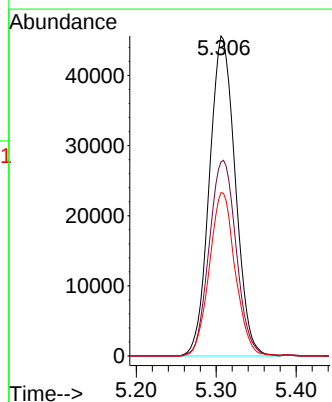
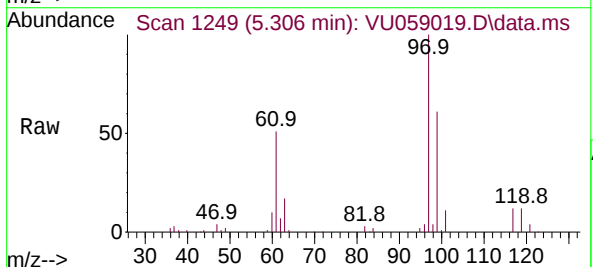
Instrument :
MSVOA_U
ClientSampleId :

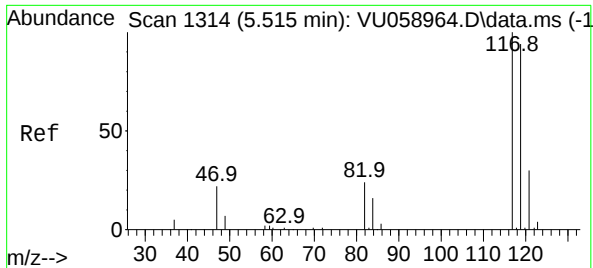
Tgt Ion: 56 Resp: 75757
Ion Ratio Lower Upper
56 100
69 28.6 24.3 36.5
84 80.6 66.7 100.1



#30
1,1,1-Trichloroethane
Concen: 46.026 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion: 97 Resp: 102584
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.8
61 51.0 38.9 58.3

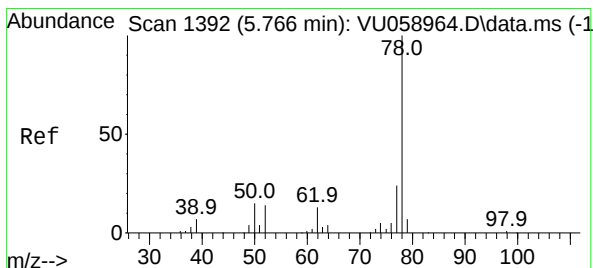
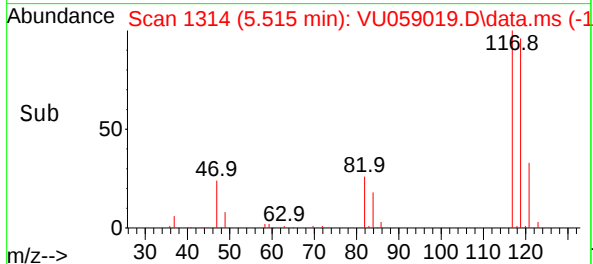
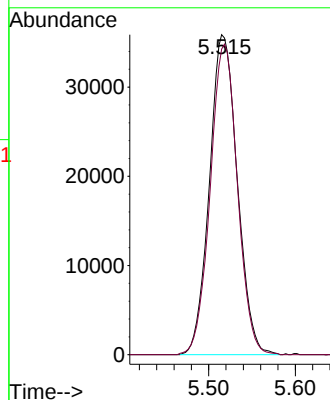
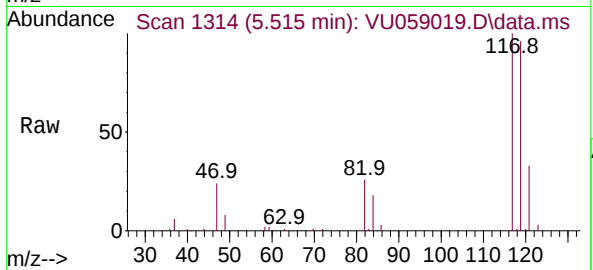




#31
Carbon tetrachloride
Concen: 44.528 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

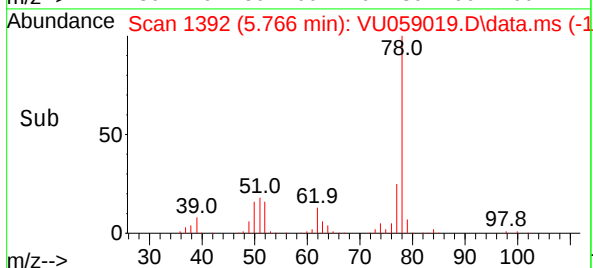
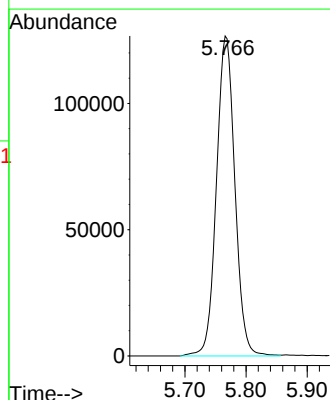
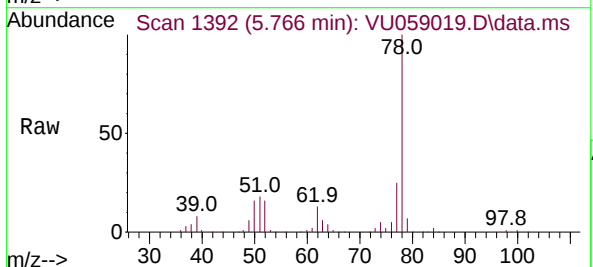
Instrument :
MSVOA_U
ClientSampleId :

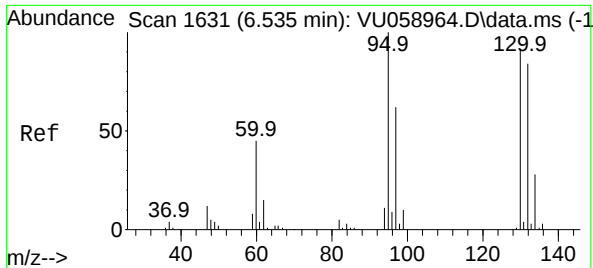
Tgt Ion:117 Resp: 80162
Ion Ratio Lower Upper
117 100
119 94.7 77.4 116.0



#33
Benzene
Concen: 47.580 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion: 78 Resp: 265637

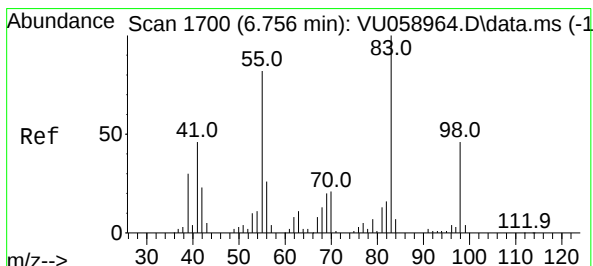
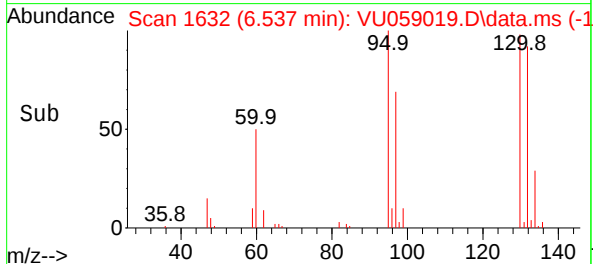
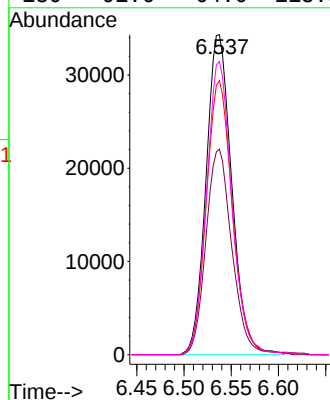
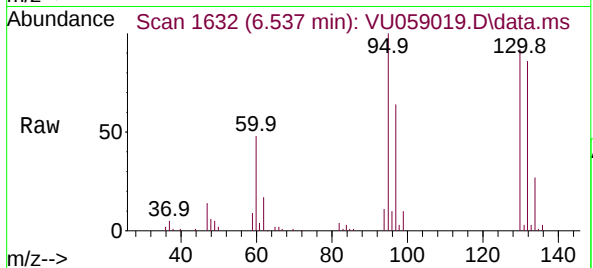




#34
Trichloroethene
Concen: 43.841 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

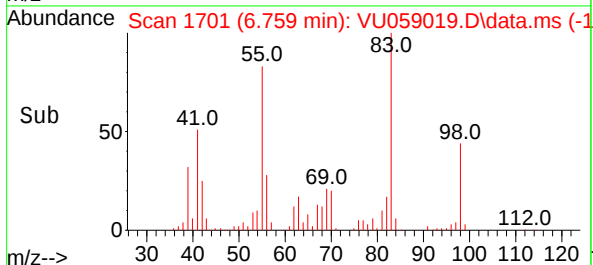
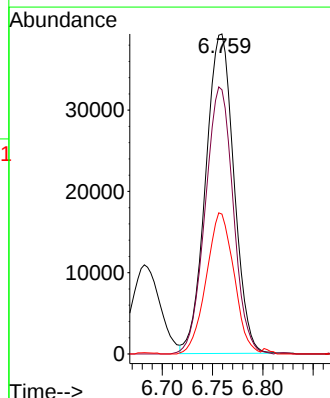
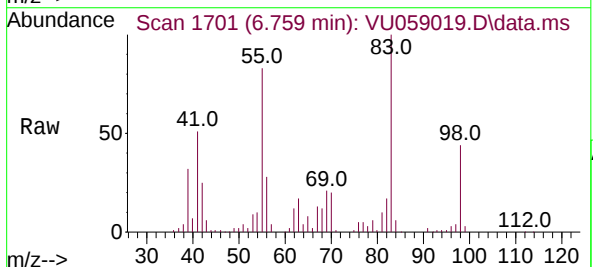
Instrument :
MSVOA_U
ClientSampleId :

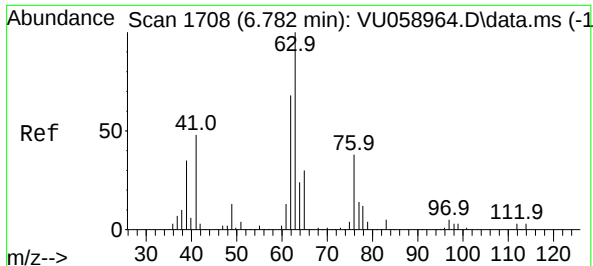
Tgt Ion: 95 Resp: 64962
Ion Ratio Lower Upper
95 100
97 64.2 45.9 85.3
132 85.6 60.5 112.5
130 91.6 64.0 118.8



#35
Methylcyclohexane
Concen: 44.253 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion: 83 Resp: 76856
Ion Ratio Lower Upper
83 100
55 83.1 61.5 92.3
98 43.4 36.2 54.2

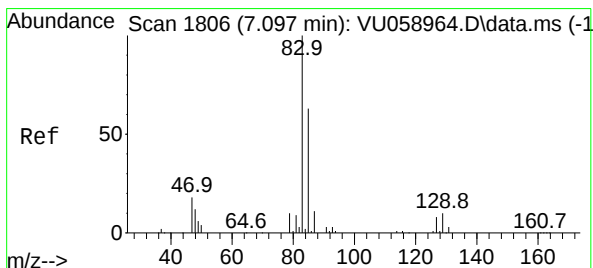
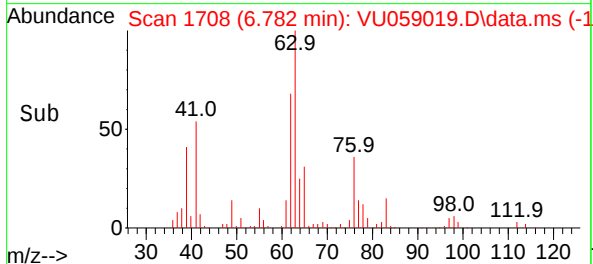
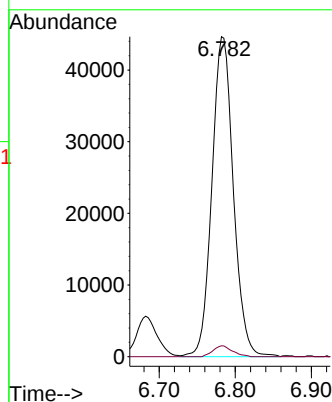
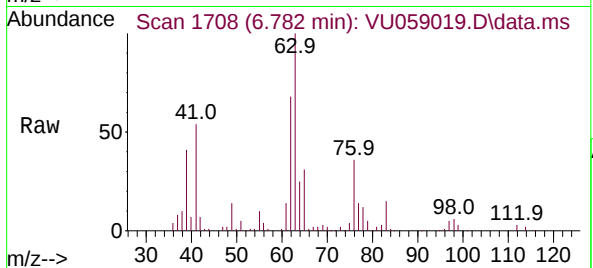




#37
1,2-Dichloropropane
Concen: 48.220 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

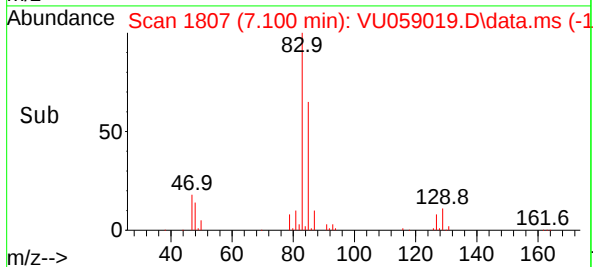
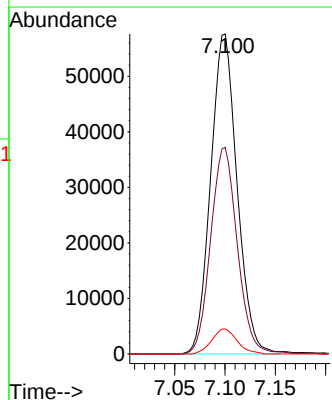
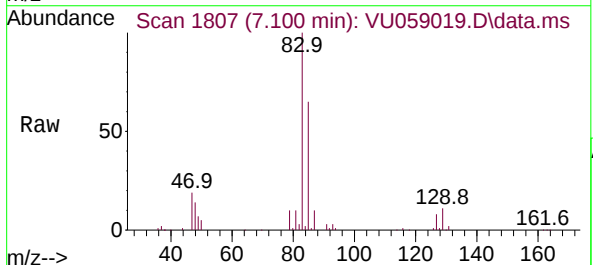
Instrument :
MSVOA_U
ClientSampleId :

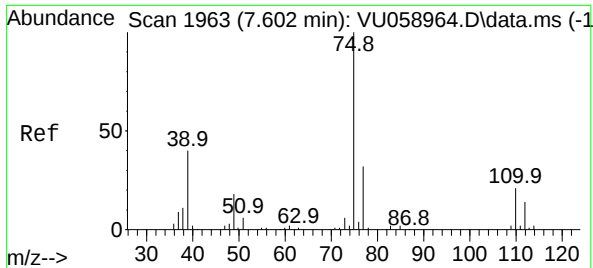
Tgt Ion: 63 Resp: 87491
Ion Ratio Lower Upper
63 100
112 3.1 2.5 3.7



#38
Bromodichloromethane
Concen: 46.691 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion: 83 Resp: 105283
Ion Ratio Lower Upper
83 100
85 64.5 43.5 80.9
127 7.8 5.8 8.6

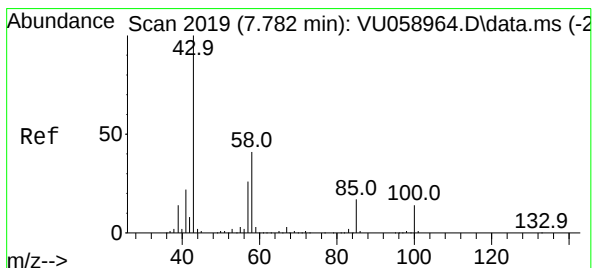
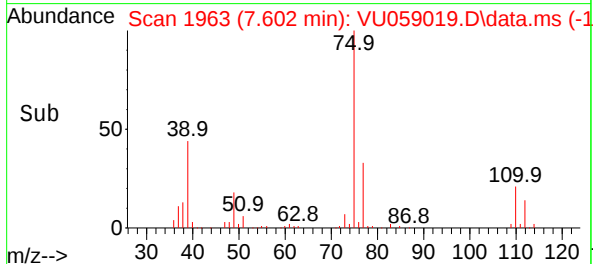
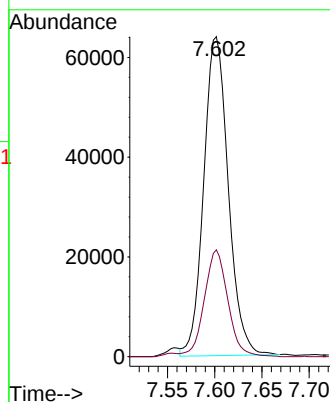
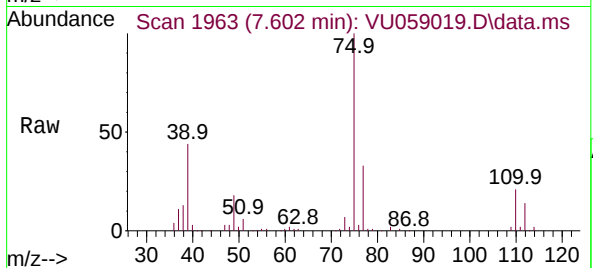




#39
 cis-1,3-Dichloropropene
 Concen: 46.325 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU059019.D
 Acq: 28 May 2024 09:55

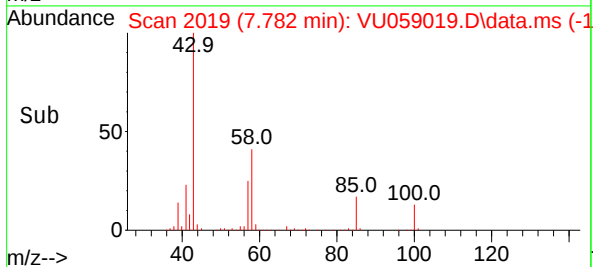
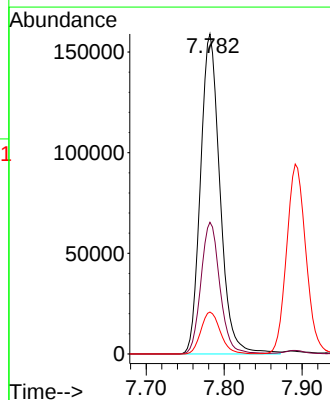
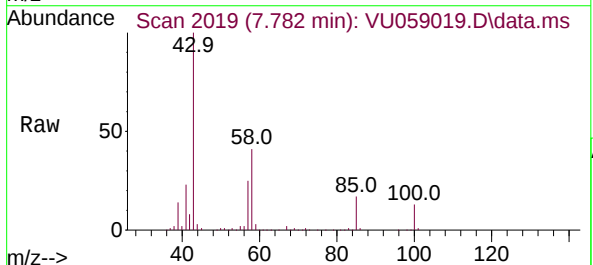
Instrument :
 MSVOA_U
 ClientSampleId :

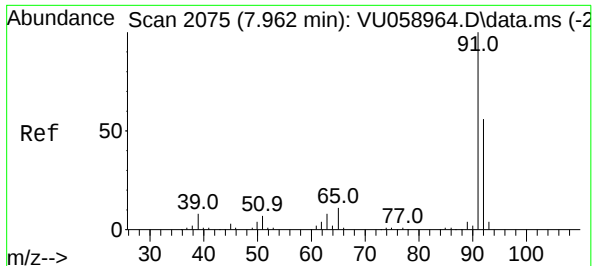
Tgt Ion: 75 Resp: 115779
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 106.668 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU059019.D
 Acq: 28 May 2024 09:55

Tgt Ion: 43 Resp: 275901
 Ion Ratio Lower Upper
 43 100
 58 40.2 33.5 50.3
 100 13.1 11.8 17.8





#42

Toluene

Concen: 45.655 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

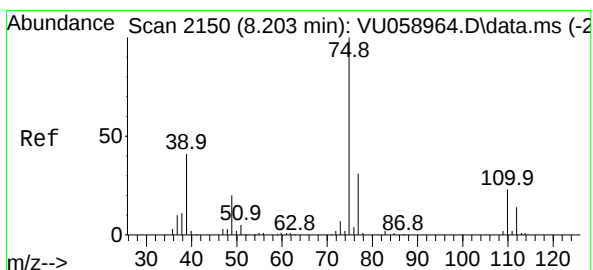
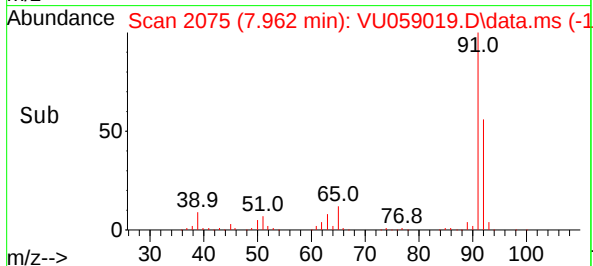
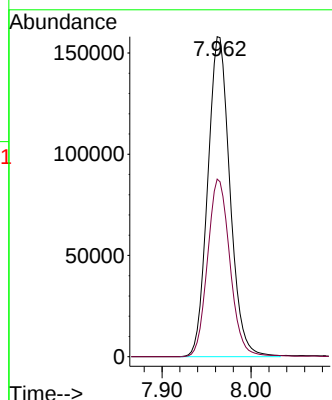
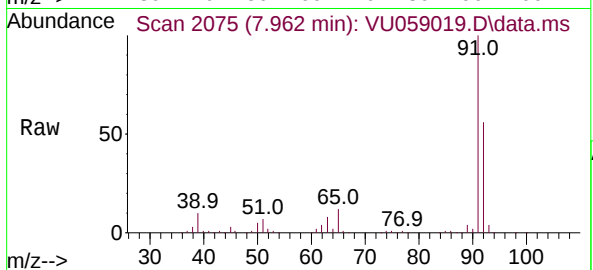
ClientSampleId :

Tgt Ion: 91 Resp: 273219

Ion Ratio Lower Upper

91 100

92 55.5 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 47.485 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU059019.D

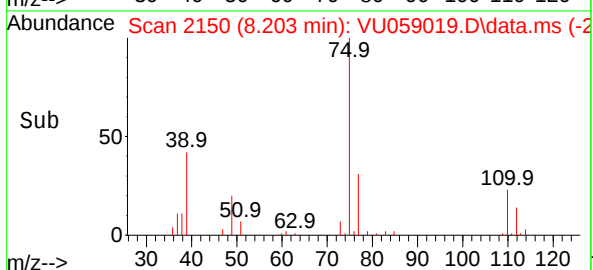
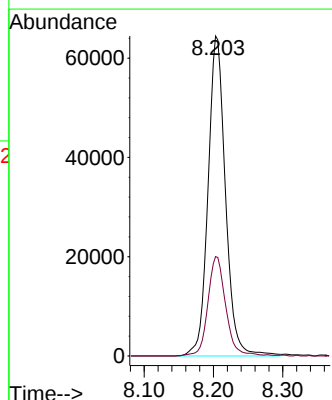
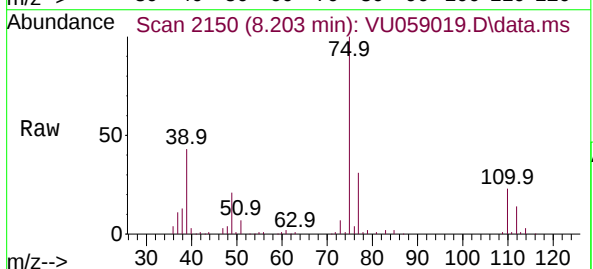
Acq: 28 May 2024 09:55

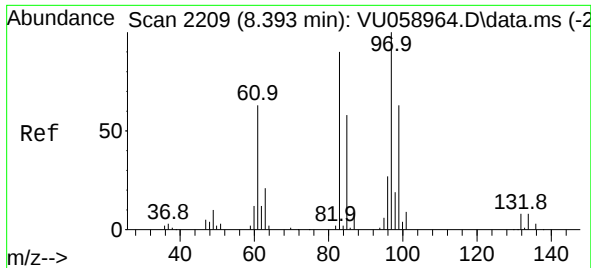
Tgt Ion: 75 Resp: 112346

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.8

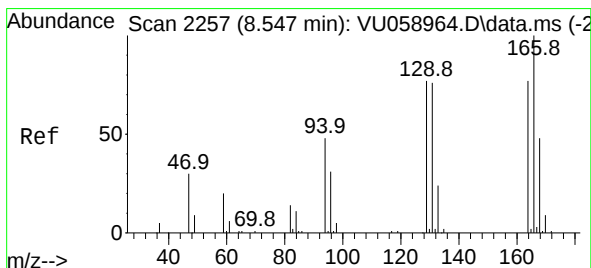
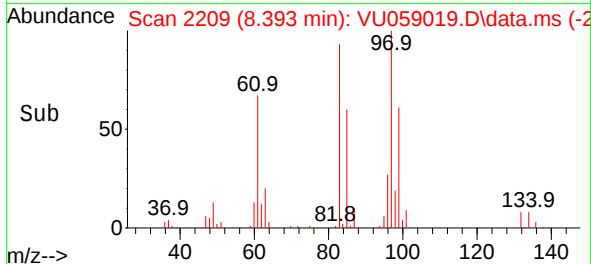
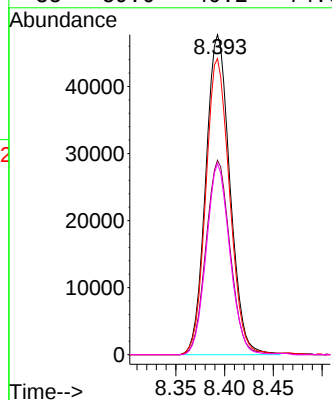
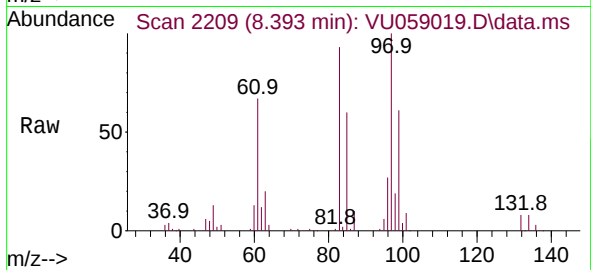




#45
1,1,2-Trichloroethane
Concen: 46.077 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

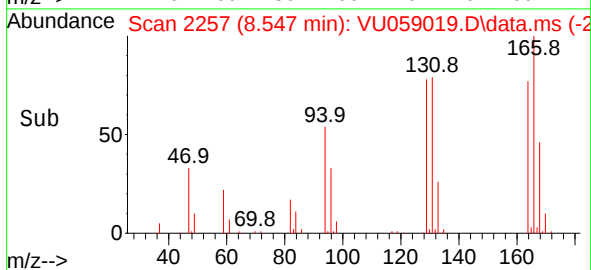
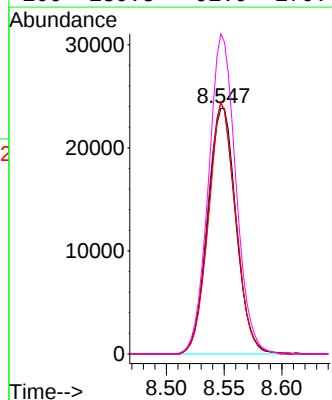
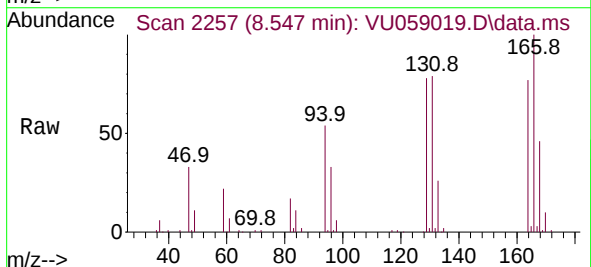
Instrument :
MSVOA_U
ClientSampleId :

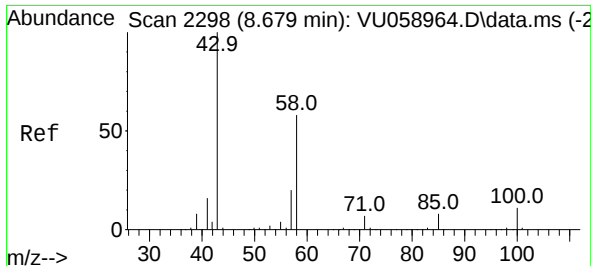
Tgt Ion: 97	Resp: 82538
Ion Ratio	Lower Upper
97 100	
99 60.8	42.6 79.2
83 92.5	62.2 115.6
85 59.6	40.2 74.6



#46
Tetrachloroethene
Concen: 40.972 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt	Ion:164	Resp:	40479
Ion	Ratio	Lower	Upper
164	100		
129	102.2	70.6	131.0
131	102.6	69.2	128.6
166	130.3	91.9	170.7



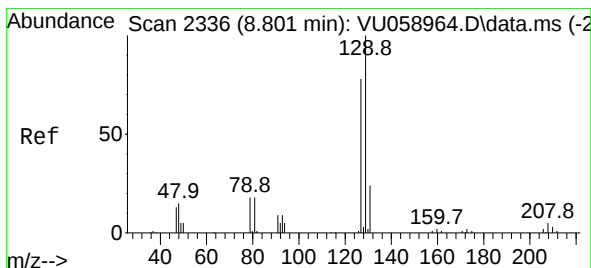
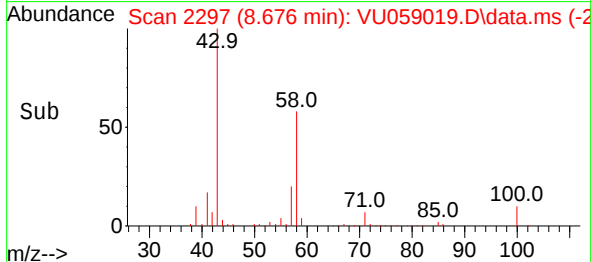
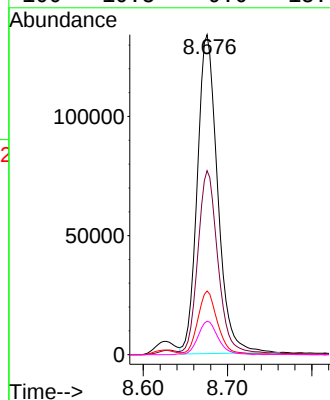
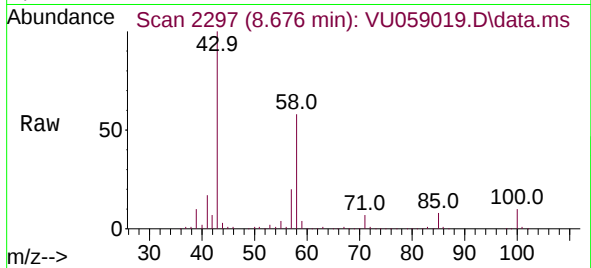


#48
2-Hexanone
Concen: 105.823 ug/L
RT: 8.676 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 225373

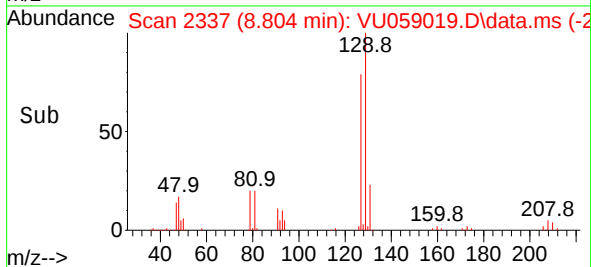
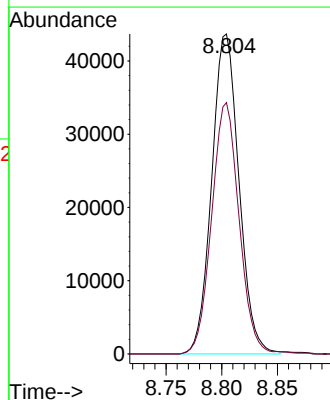
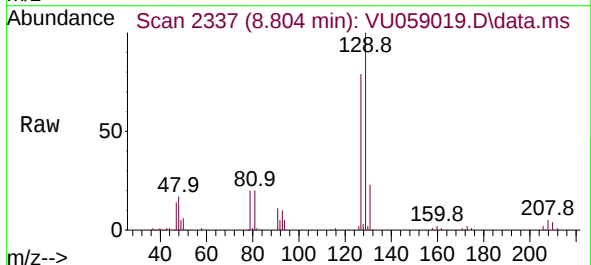
Ion	Ratio	Lower	Upper
43	100		
58	56.2	47.8	71.6
57	19.6	15.7	23.5
100	10.3	9.0	13.4

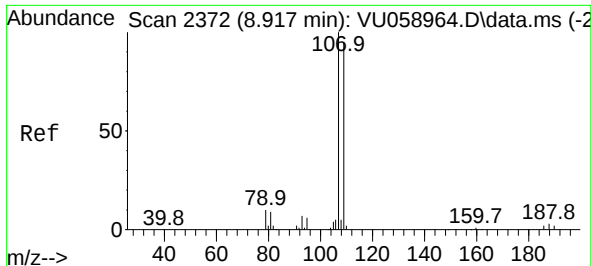


#49
Dibromochloromethane
Concen: 43.442 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion: 129 Resp: 74364

Ion	Ratio	Lower	Upper
129	100		
127	78.6	56.8	105.4

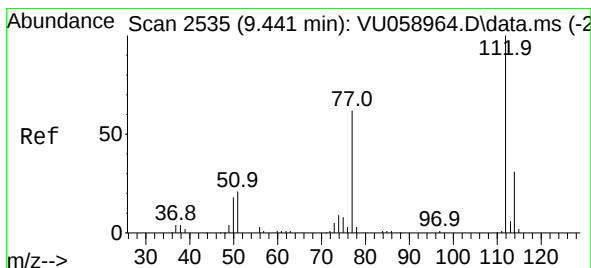
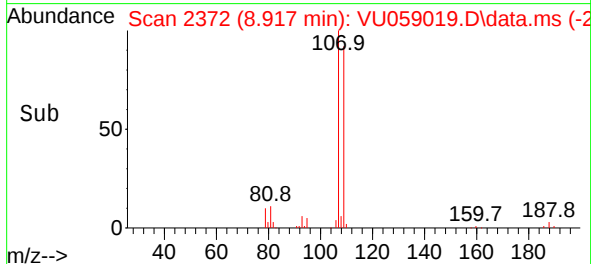
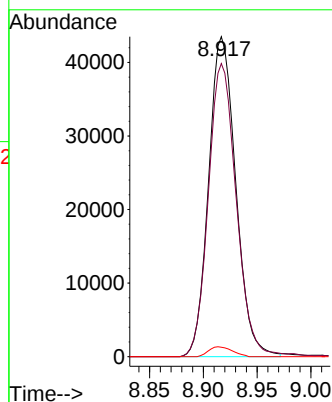
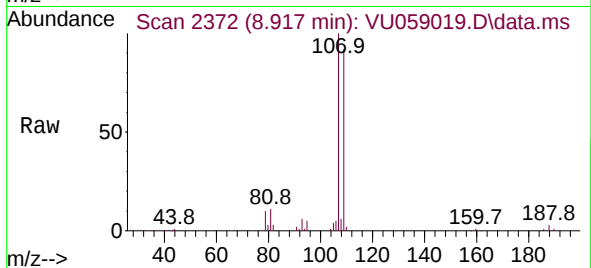




#50
1,2-Dibromoethane
Concen: 44.669 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

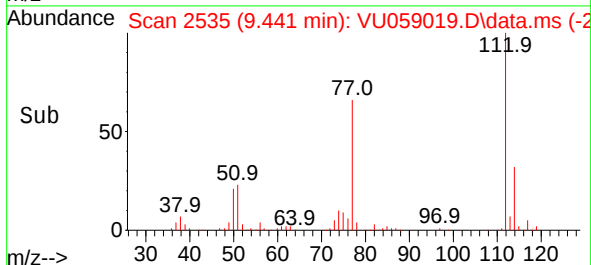
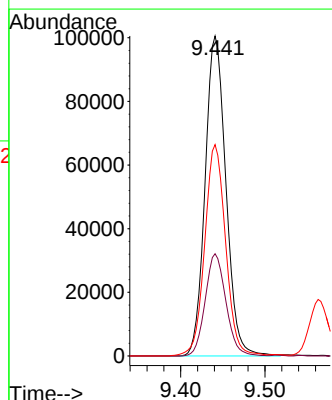
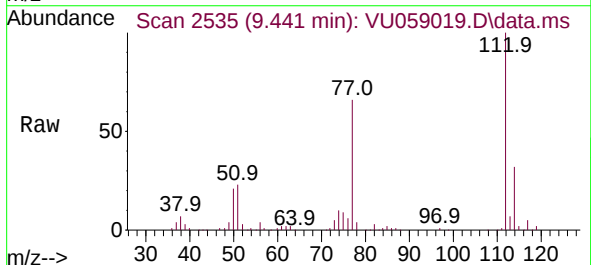
Instrument :
MSVOA_U
ClientSampleId :

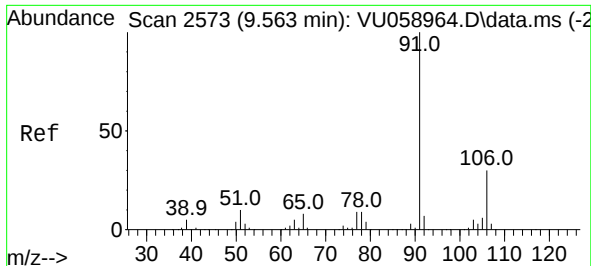
Tgt Ion:107 Resp: 76459
Ion Ratio Lower Upper
107 100
109 91.6 68.0 126.2
188 3.0 2.6 3.8



#51
Chlorobenzene
Concen: 43.810 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion:112 Resp: 173291
Ion Ratio Lower Upper
112 100
114 32.0 21.8 40.6
77 66.0 48.8 73.2





#52

Ethylbenzene

Concen: 45.708 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

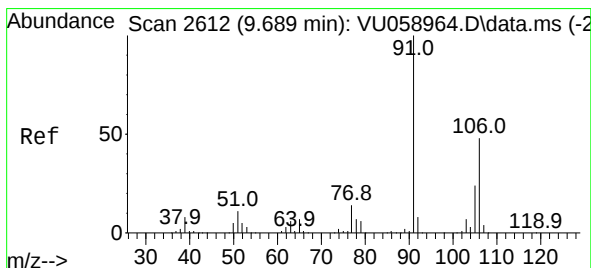
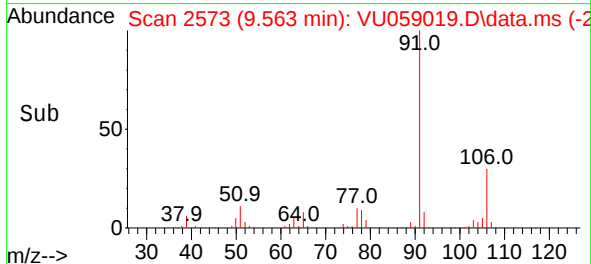
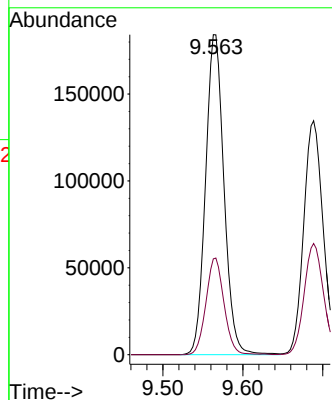
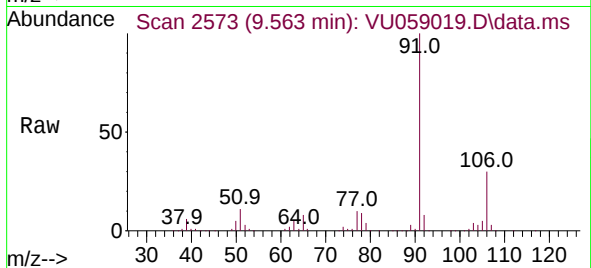
ClientSampleId :

Tgt Ion: 91 Resp: 296018

Ion Ratio Lower Upper

91 100

106 30.0 20.8 38.6



#53

m,p-Xylene

Concen: 46.508 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU059019.D

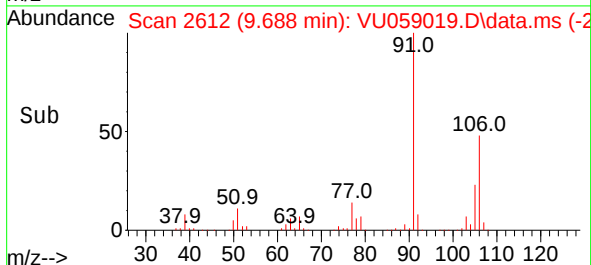
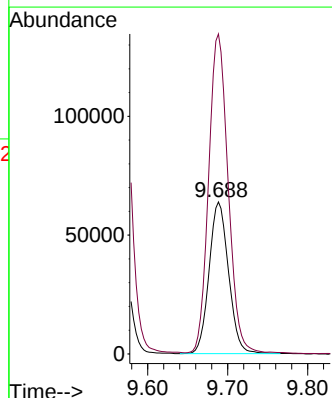
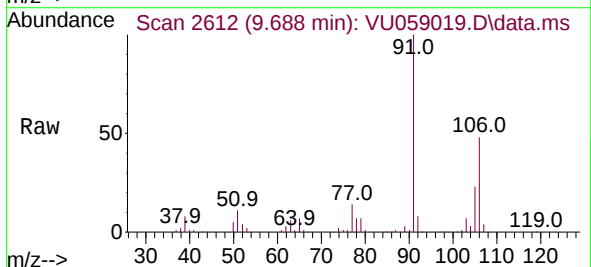
Acq: 28 May 2024 09:55

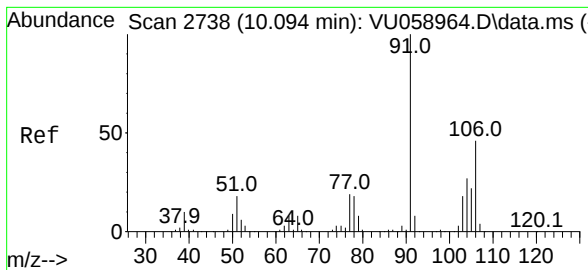
Tgt Ion:106 Resp: 108193

Ion Ratio Lower Upper

106 100

91 210.5 145.7 270.7

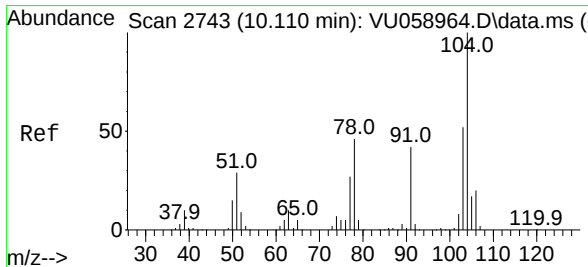
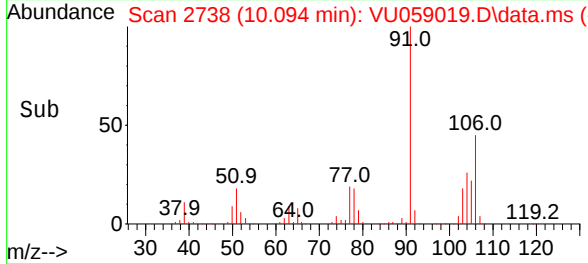
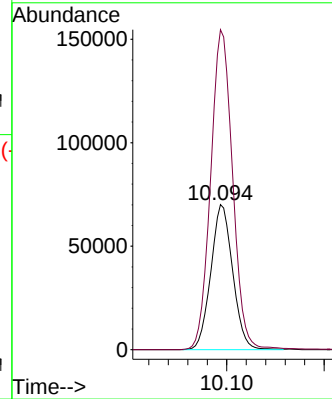
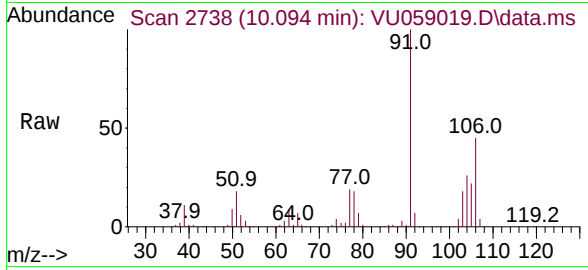




#54
o-Xylene
Concen: 46.974 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

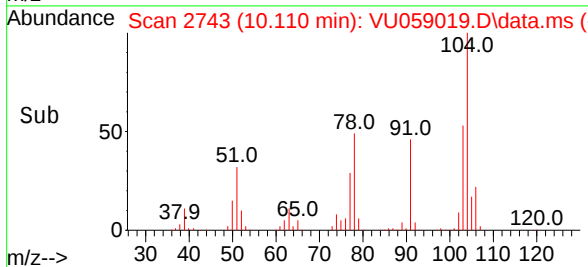
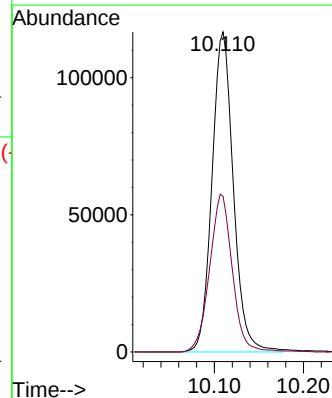
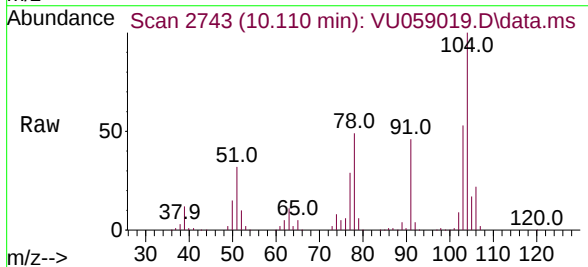
Instrument :
MSVOA_U
ClientSampleId :

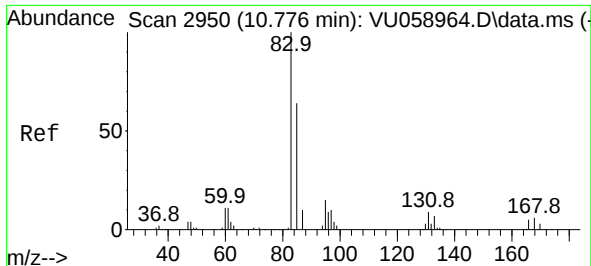
Tgt Ion:106 Resp: 109373
Ion Ratio Lower Upper
106 100
91 220.5 154.0 286.0



#55
Styrene
Concen: 46.650 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

Tgt Ion:104 Resp: 194021
Ion Ratio Lower Upper
104 100
78 48.7 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 45.744 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

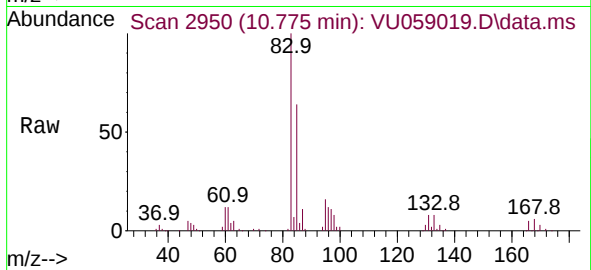
Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

ClientSampleId :



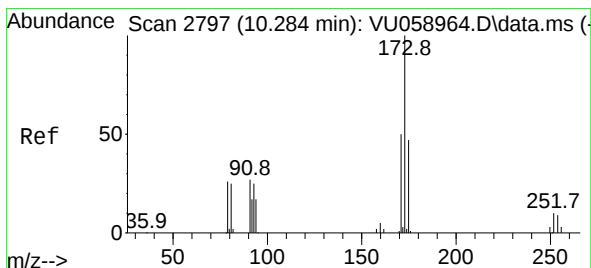
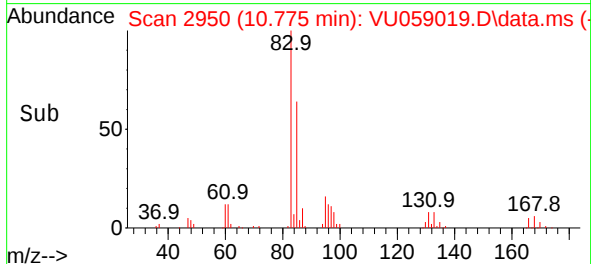
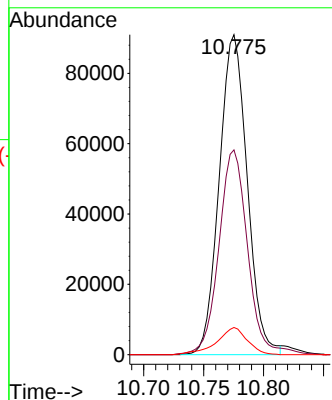
Tgt Ion: 83 Resp: 147665

Ion Ratio Lower Upper

83 100

85 64.0 43.5 80.9

131 8.5 7.1 10.7



#59

Bromoform

Concen: 48.971 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

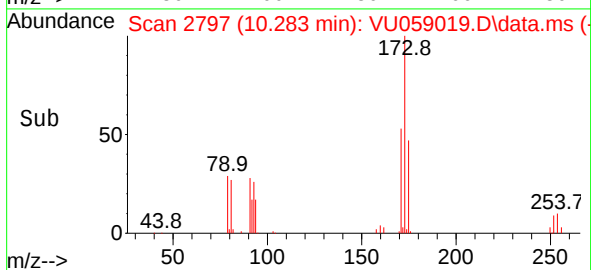
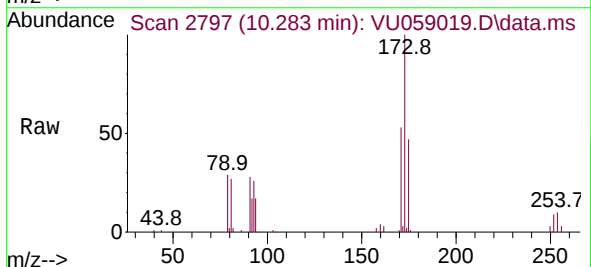
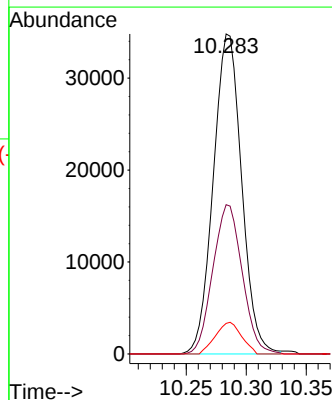
Tgt Ion:173 Resp: 57120

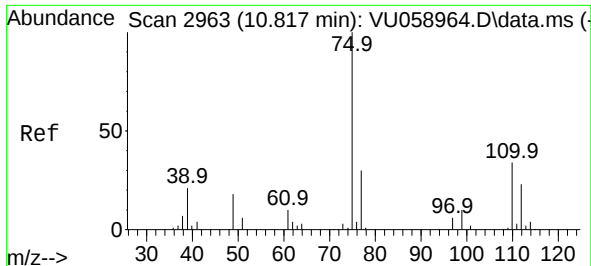
Ion Ratio Lower Upper

173 100

175 48.3 40.6 61.0

254 9.1 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 53.506 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.003 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

ClientSampleId :

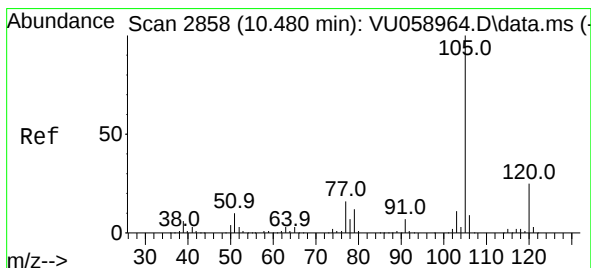
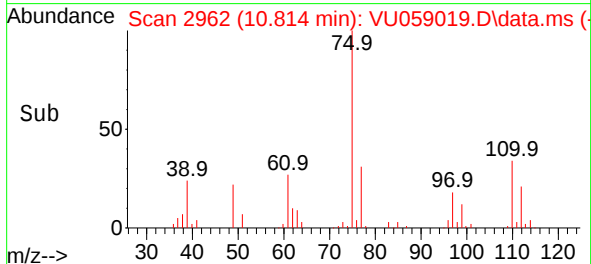
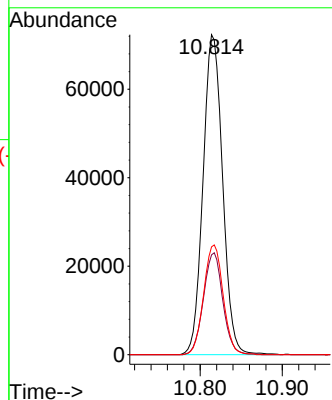
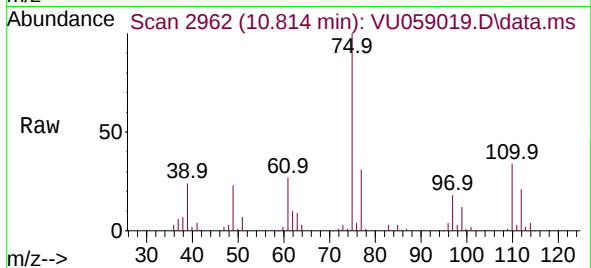
Tgt Ion: 75 Resp: 119828

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

110 34.1 28.3 42.5



#61

Isopropylbenzene

Concen: 52.777 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

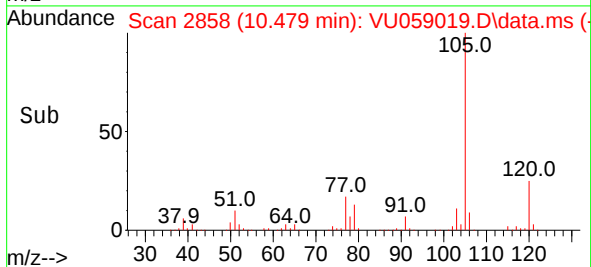
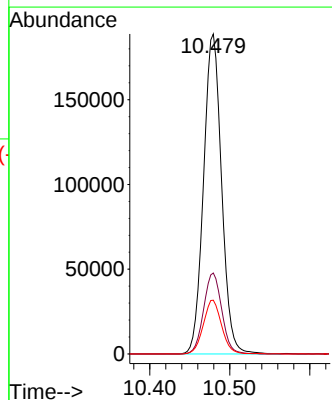
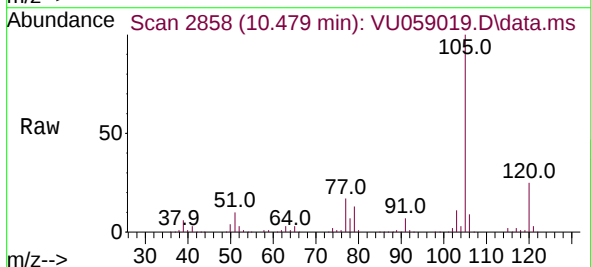
Tgt Ion:105 Resp: 296592

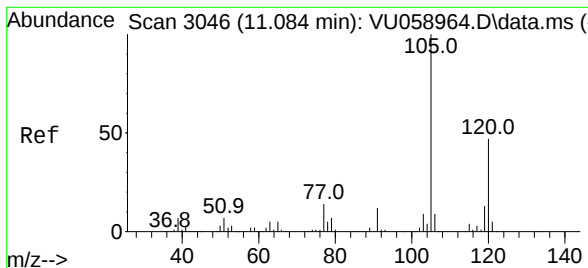
Ion Ratio Lower Upper

105 100

120 25.5 20.0 30.0

77 17.0 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 52.441 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

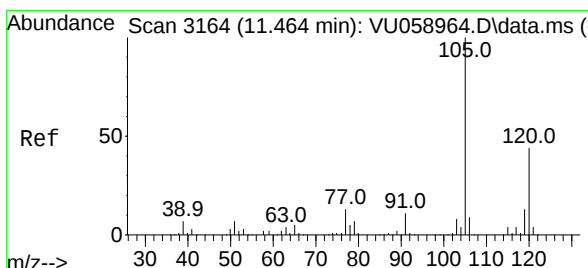
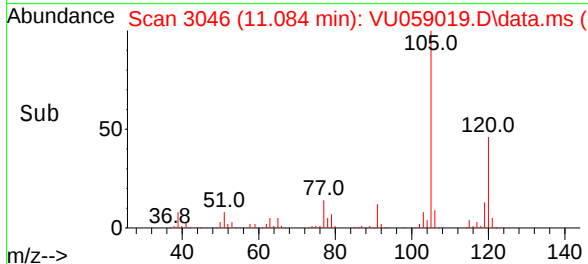
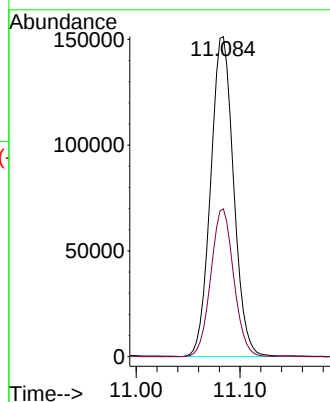
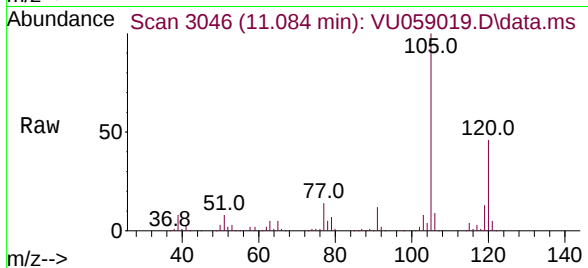
ClientSampleId :

Tgt Ion:105 Resp: 232174

Ion Ratio Lower Upper

105 100

120 46.2 36.9 55.3



#63

1,2,4-Trimethylbenzene

Concen: 53.586 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU059019.D

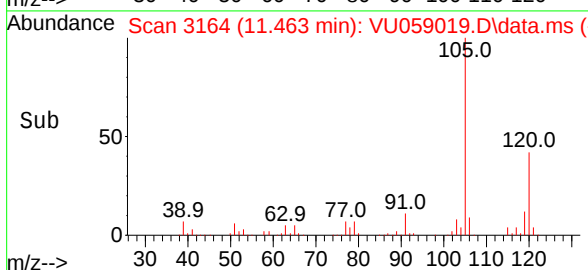
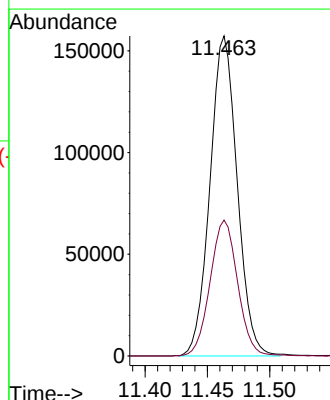
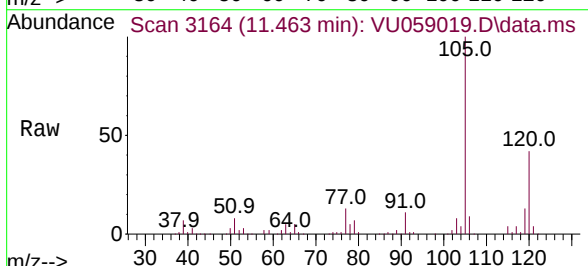
Acq: 28 May 2024 09:55

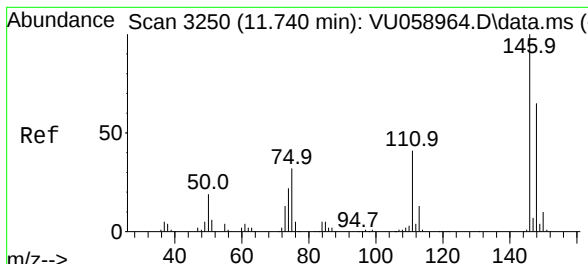
Tgt Ion:105 Resp: 239256

Ion Ratio Lower Upper

105 100

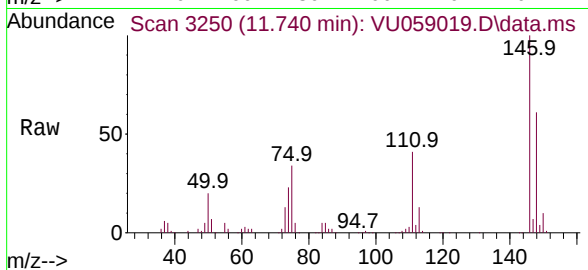
120 42.9 35.3 52.9



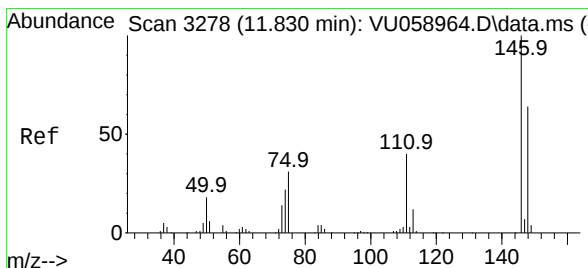
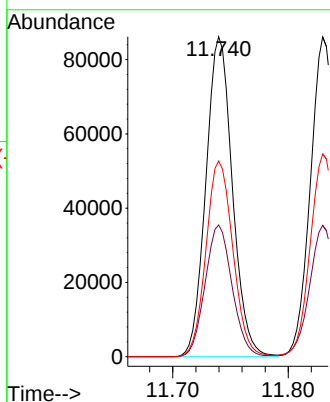
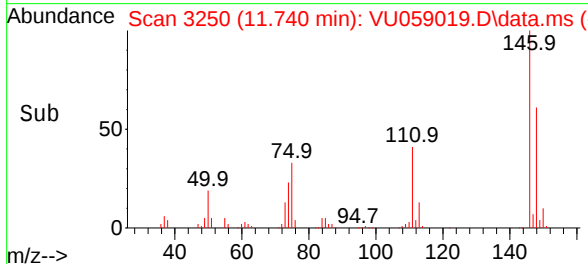


#64
1,3-Dichlorobenzene
Concen: 47.090 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55

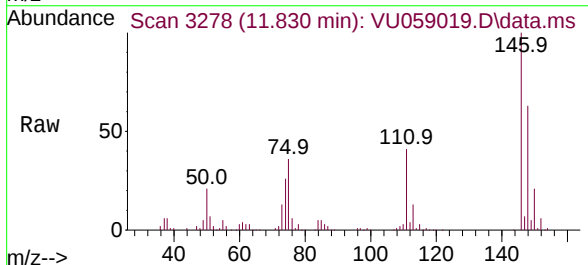
Instrument :
MSVOA_U
ClientSampleId :



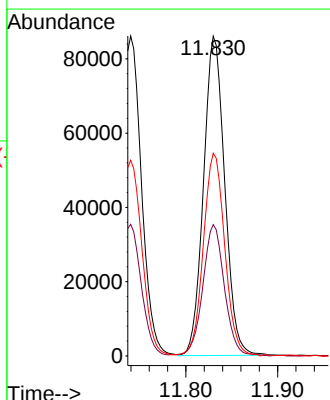
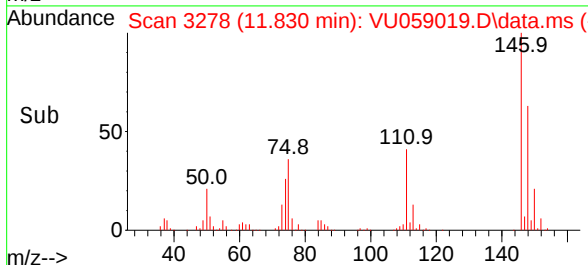
Tgt Ion:146 Resp: 137386
Ion Ratio Lower Upper
146 100
111 41.2 28.6 53.0
148 61.1 44.2 82.2

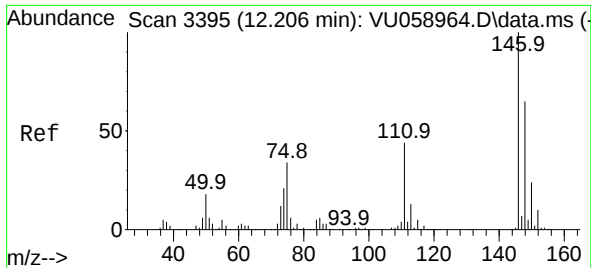


#65
1,4-Dichlorobenzene
Concen: 46.840 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU059019.D
Acq: 28 May 2024 09:55



Tgt Ion:146 Resp: 138026
Ion Ratio Lower Upper
146 100
111 41.1 27.3 50.7
148 63.4 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 47.718 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

ClientSampleId :

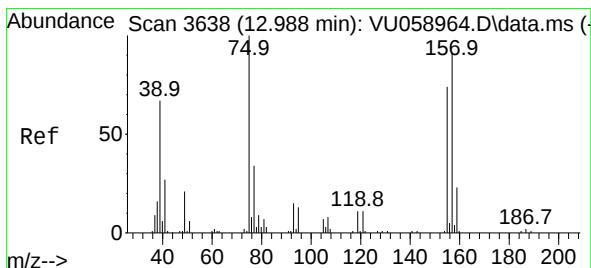
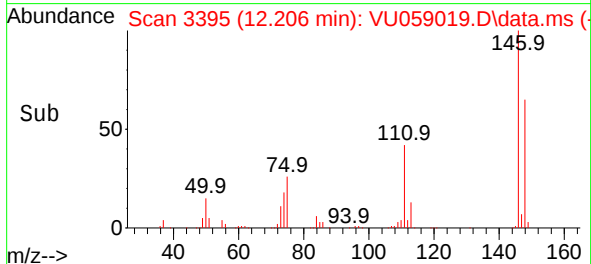
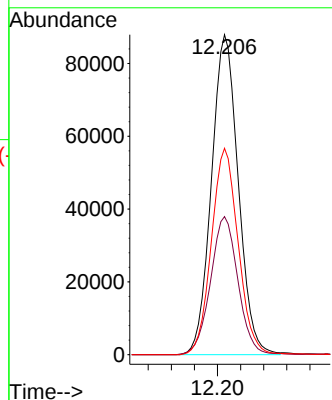
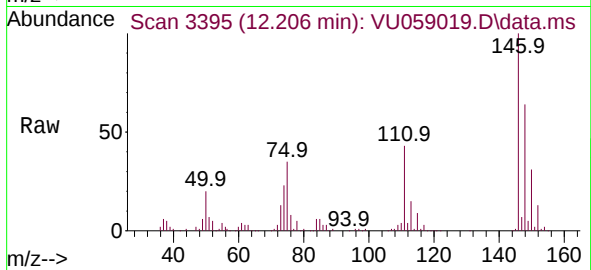
Tgt Ion:146 Resp: 141599

Ion Ratio Lower Upper

146 100

111 43.1 34.1 51.1

148 64.5 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 53.882 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

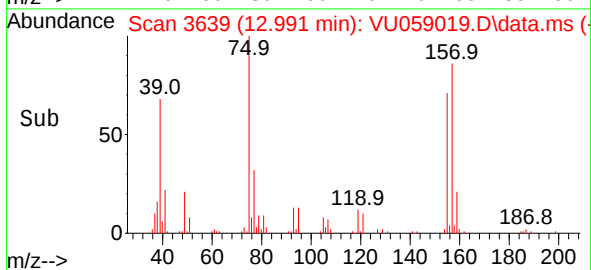
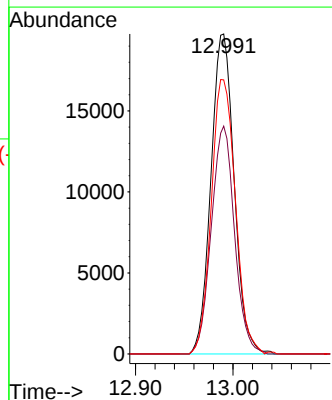
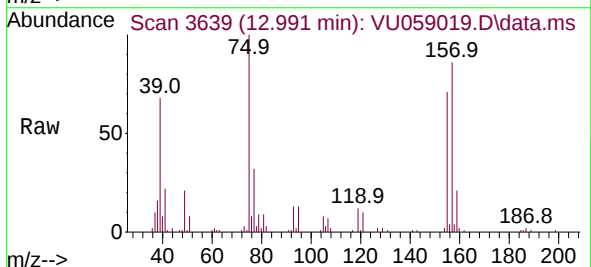
Tgt Ion: 75 Resp: 32645

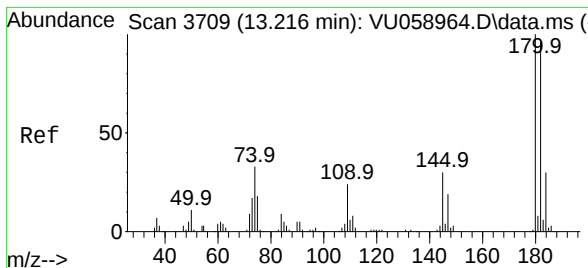
Ion Ratio Lower Upper

75 100

155 71.2 60.2 90.4

157 89.6 77.2 115.8





#69

1,3,5-Trichlorobenzene

Concen: 45.928 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.003 min

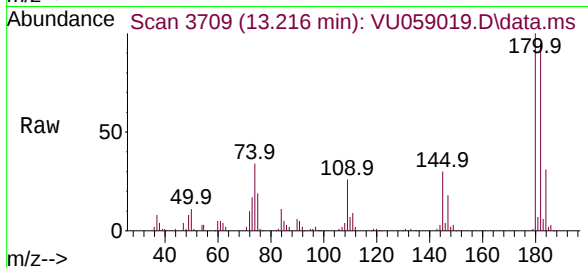
Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 94380

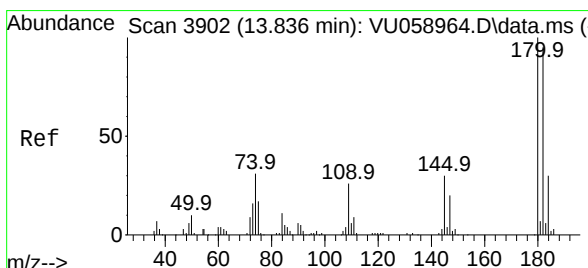
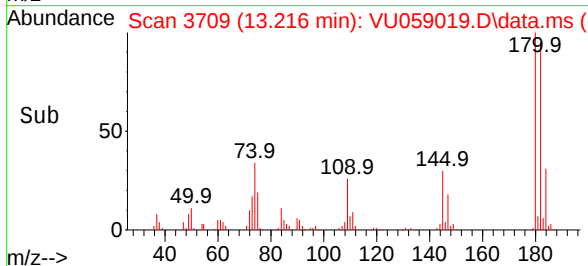
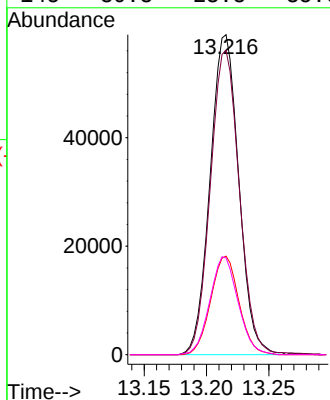
Ion Ratio Lower Upper

180 100

182 96.3 75.7 113.5

184 30.3 24.3 36.5

145 30.3 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 45.151 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

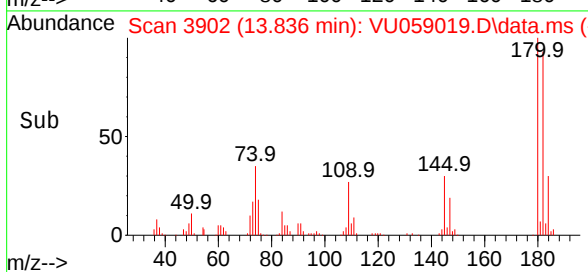
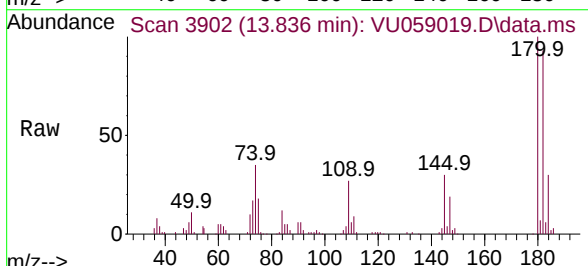
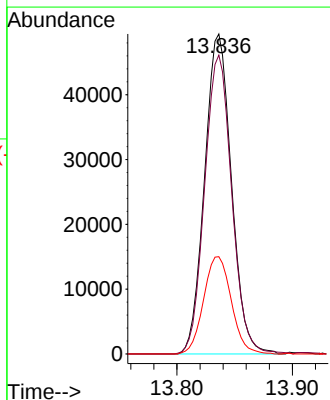
Tgt Ion:180 Resp: 79916

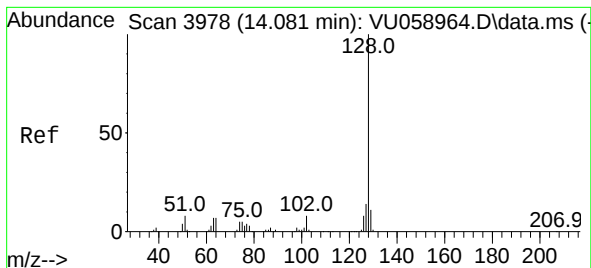
Ion Ratio Lower Upper

180 100

182 94.1 78.6 117.8

145 31.3 24.6 37.0





#71

Naphthalene

Concen: 47.453 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Instrument :

MSVOA_U

ClientSampleId :

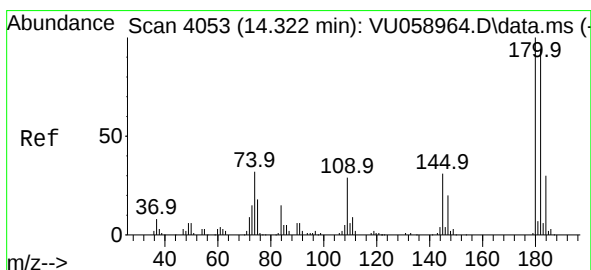
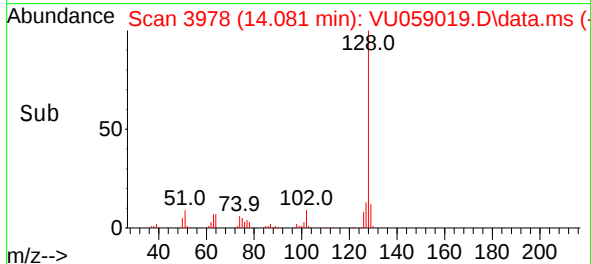
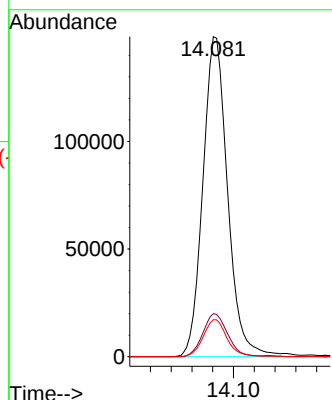
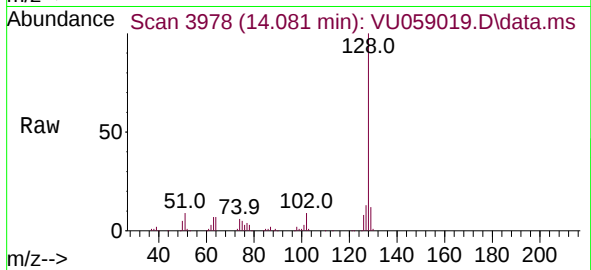
Tgt Ion:128 Resp: 244980

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 11.1 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 46.639 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU059019.D

Acq: 28 May 2024 09:55

Tgt Ion:180 Resp: 84554

Ion Ratio Lower Upper

180 100

182 94.2 76.1 114.1

145 32.3 26.2 39.2

