

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022324\
 Data File : VU057939.D
 Acq On : 23 Feb 2024 09:32
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 23 22:57:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 23 00:03:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	272979	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265338	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127731	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	82944	41.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.940%
7) Chloroethane-d5	1.907	69	68039	46.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.160%
11) 1,1-Dichloroethene-d2	2.563	63	170496	46.291	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.580%
21) 2-Butanone-d5	4.611	46	90156	120.064	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.060%
24) Chloroform-d	5.052	84	167914	50.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.220%
26) 1,2-Dichloroethane-d4	5.692	65	104198	49.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.200%
32) Benzene-d6	5.718	84	319638	48.069	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.140%
36) 1,2-Dichloropropane-d6	6.682	67	106655	49.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.340%
41) Toluene-d8	7.891	98	284837	47.321	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.640%
43) trans-1,3-Dichloroprop...	8.174	79	47578	46.532	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.060%
47) 2-Hexanone-d5	8.627	63	66911	81.061	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	136522	46.078	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.160%
66) 1,2-Dichlorobenzene-d4	12.187	152	99116	47.923	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	134350	44.894	ug/L	100
3) Chloromethane	1.518	50	135401	44.499	ug/L	98
5) Vinyl chloride	1.599	62	137541	45.775	ug/L	98
6) Bromomethane	1.849	94	76575	65.272	ug/L	99
8) Chloroethane	1.927	64	81530	46.397	ug/L	97
9) Trichlorofluoromethane	2.132	101	173770	47.263	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	102343	47.894	ug/L	100
12) 1,1-Dichloroethene	2.573	96	95376	48.255	ug/L	97
13) Acetone	2.612	43	99588	71.630	ug/L	100
14) Carbon disulfide	2.785	76	308979	47.768	ug/L	99
15) Methyl Acetate	2.936	43	109501	48.378	ug/L	99
16) Methylene chloride	3.036	84	115929	45.002	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	99244	48.399	ug/L	98
18) Methyl tert-butyl Ether	3.348	73	333937	46.776	ug/L	99
19) 1,1-Dichloroethane	3.859	63	203346	47.831	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	112456	47.806	ug/L	98
22) 2-Butanone	4.685	43	134096	79.610	ug/L	99
23) Bromochloromethane	4.965	128	55459	48.524	ug/L	99
25) Chloroform	5.078	83	203355	48.446	ug/L	99

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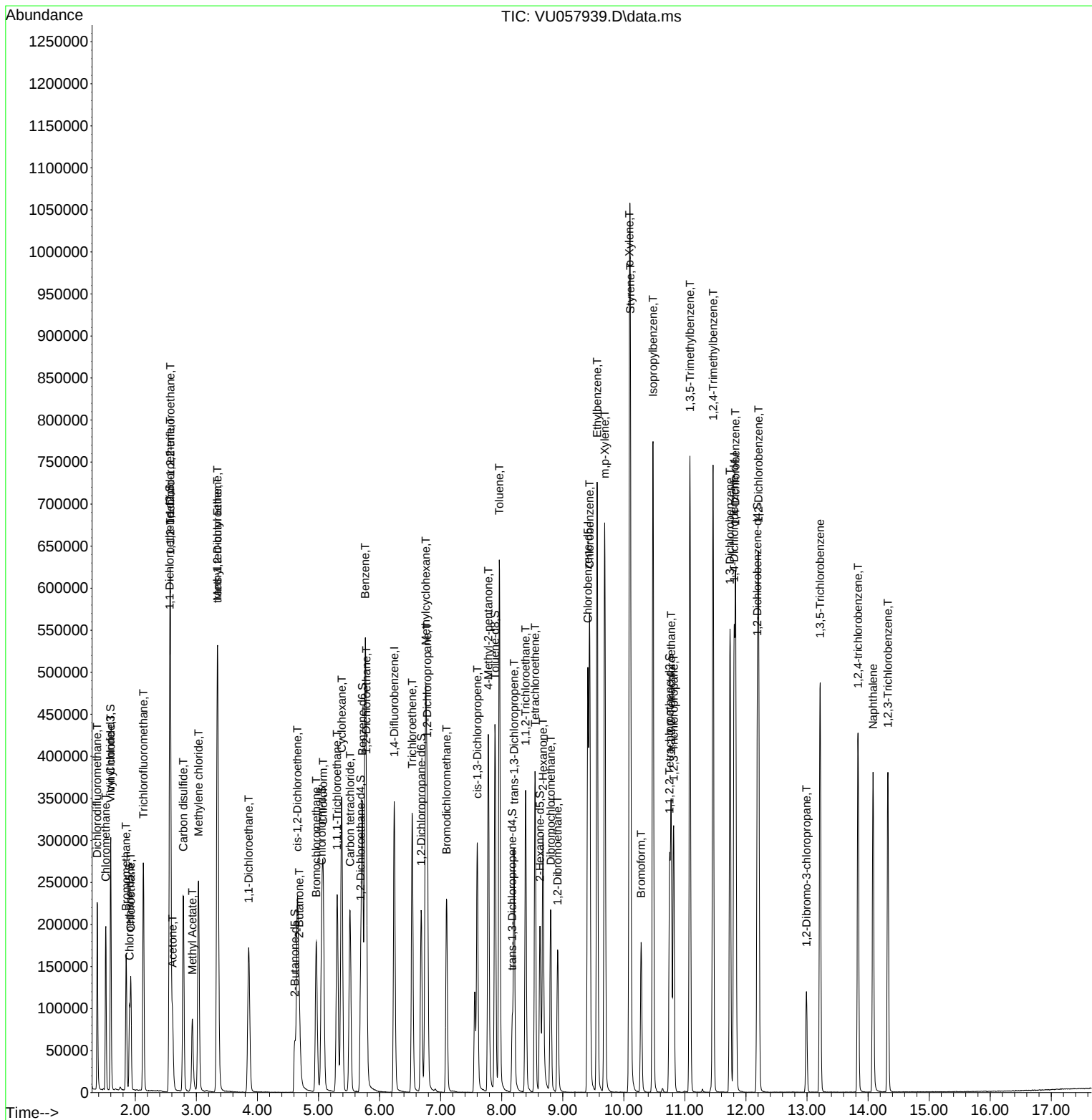
Instrument :
 MSVOA_U
 ClientSampleId :

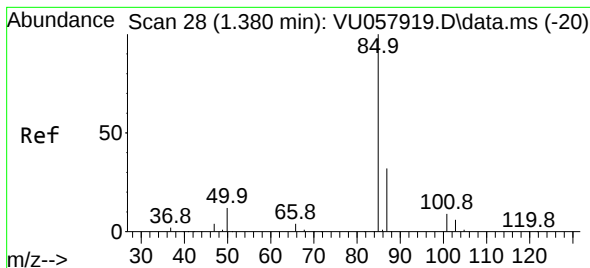
Quant Time: Feb 23 22:57:20 2024
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 Quant Title : VOC Analysis
 QLast Update : Fri Feb 23 00:03:12 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	165515	47.389	ug/L	99
29) Cyclohexane	5.380	56	183430	46.972	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	169963	47.533	ug/L	99
31) Carbon tetrachloride	5.518	117	149789	48.782	ug/L	99
33) Benzene	5.766	78	440817	47.632	ug/L	100
34) Trichloroethene	6.534	95	117127	49.235	ug/L	99
35) Methylcyclohexane	6.756	83	180036	46.580	ug/L	99
37) 1,2-Dichloropropane	6.782	63	121326	46.461	ug/L	100
38) Bromodichloromethane	7.097	83	152874	48.751	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	181206	45.407	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	288392	87.734	ug/L	100
42) Toluene	7.962	91	461983	48.234	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	166476	44.952	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	107783	46.453	ug/L	99
46) Tetrachloroethene	8.547	164	79881	48.792	ug/L	97
48) 2-Hexanone	8.676	43	206794	77.075	ug/L	99
49) Dibromochloromethane	8.804	129	110488	47.815	ug/L	99
50) 1,2-Dibromoethane	8.917	107	114990	47.068	ug/L	97
51) Chlorobenzene	9.441	112	284644	46.736	ug/L	99
52) Ethylbenzene	9.563	91	512075	47.681	ug/L	99
53) m,p-Xylene	9.688	106	186640	47.787	ug/L	99
54) o-Xylene	10.094	106	182605	47.319	ug/L	97
55) Styrene	10.110	104	311931	47.137	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	168580	42.650	ug/L	99
59) Bromoform	10.283	173	77197	49.234	ug/L #	100
60) 1,2,3-Trichloropropane	10.817	75	134289	45.379	ug/L	99
61) Isopropylbenzene	10.479	105	496536	49.743	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	410726	47.758	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	413369	47.835	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	209784	47.531	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	213931	47.581	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	201250	46.348	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	31728	45.157	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	142590	48.034	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	119982	50.200	ug/L	100
71) Naphthalene	14.084	128	294532	46.405	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	107185	48.825	ug/L	98

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

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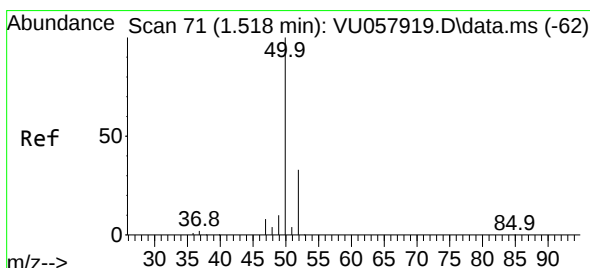
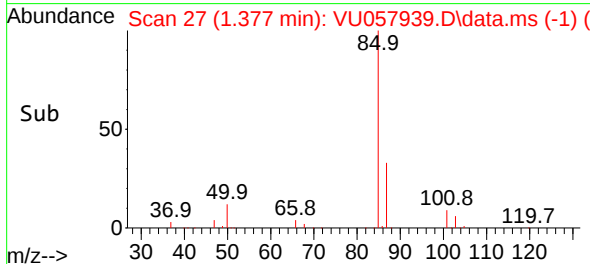
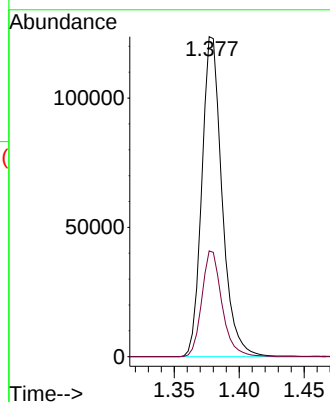
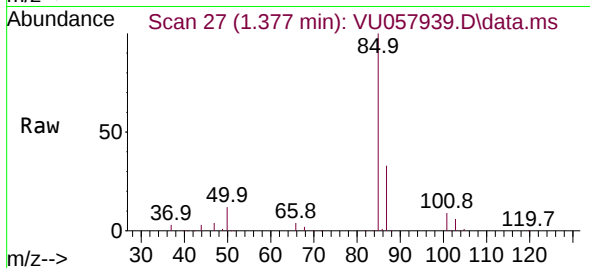




#2
 Dichlorodifluoromethane
 Concen: 44.894 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU057939.D
 Acq: 23 Feb 2024 09:32

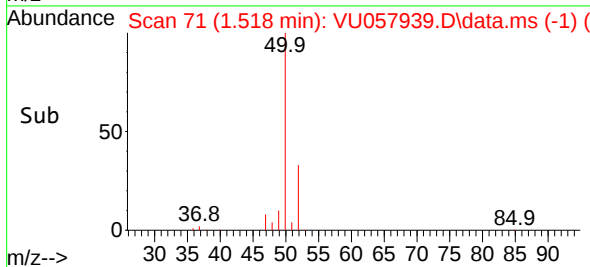
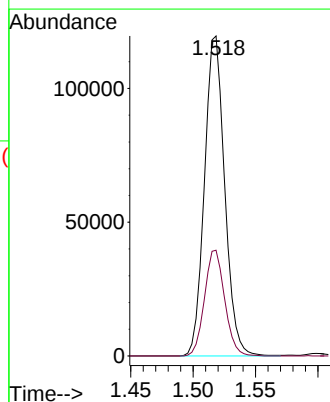
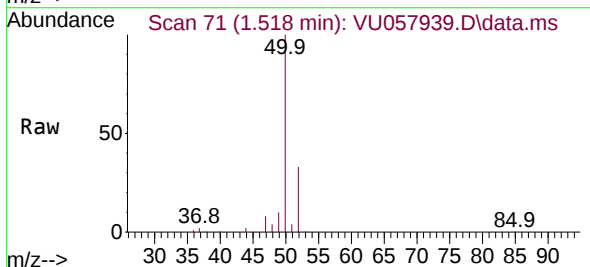
Instrument :
 MSVOA_U
 ClientSampleId :

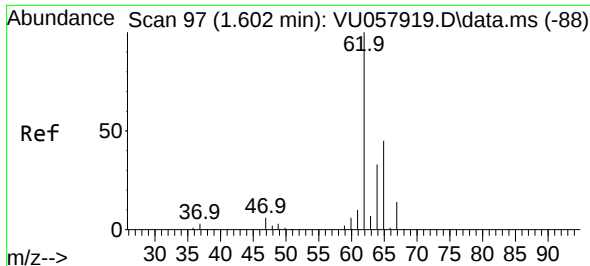
Tgt Ion: 85 Resp: 134350
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.2 39.2



#3
 Chloromethane
 Concen: 44.499 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057939.D
 Acq: 23 Feb 2024 09:32

Tgt Ion: 50 Resp: 135401
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.8 44.2

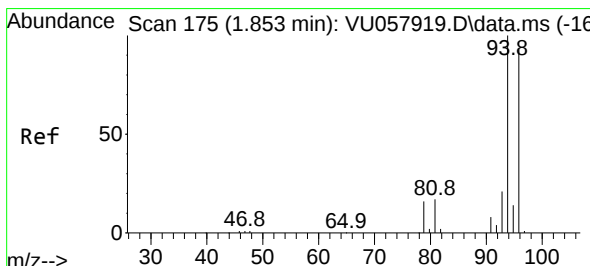
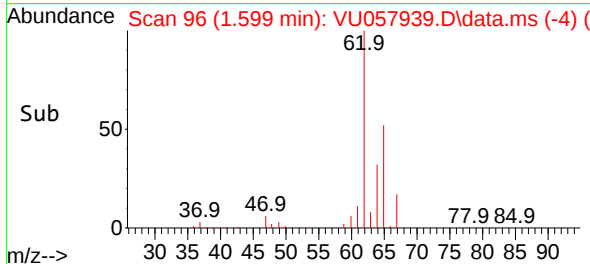
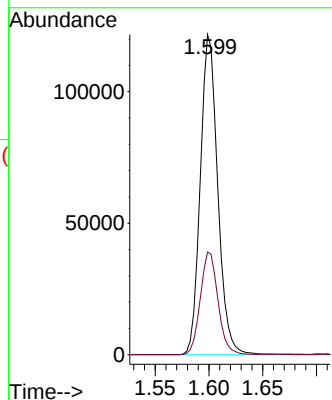
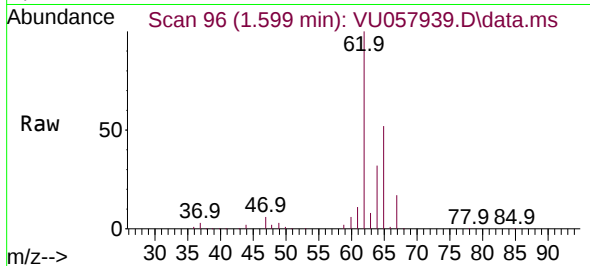




#5
 Vinyl chloride
 Concen: 45.775 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU057939.D
 Acq: 23 Feb 2024 09:32

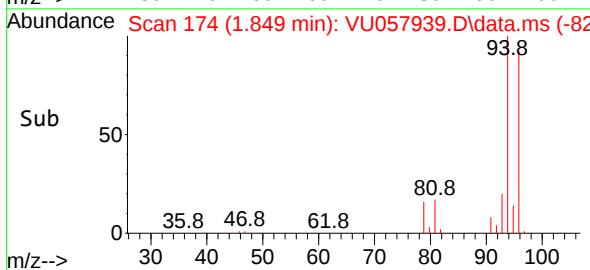
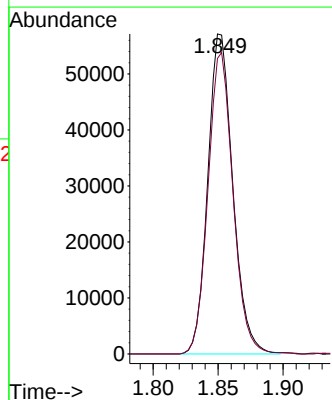
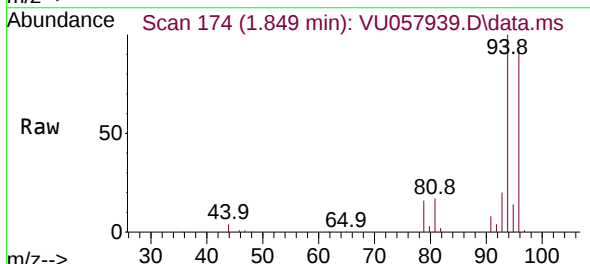
Instrument :
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 ClientSampleId :

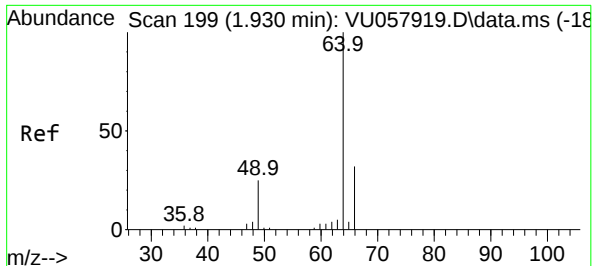
Tgt Ion: 62 Resp: 137541
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.1 42.9



#6
 Bromomethane
 Concen: 65.272 ug/L
 RT: 1.849 min Scan# 174
 Delta R.T. -0.003 min
 Lab File: VU057939.D
 Acq: 23 Feb 2024 09:32

Tgt Ion: 94 Resp: 76575
 Ion Ratio Lower Upper
 94 100
 96 92.3 65.5 121.7

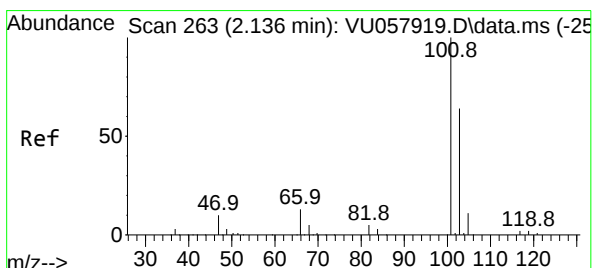
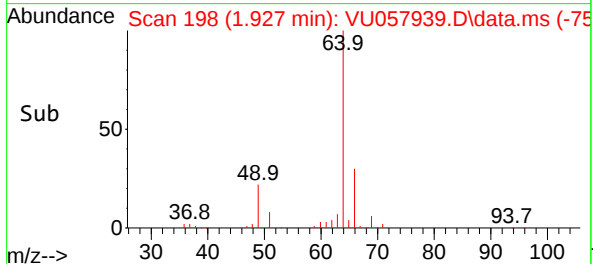
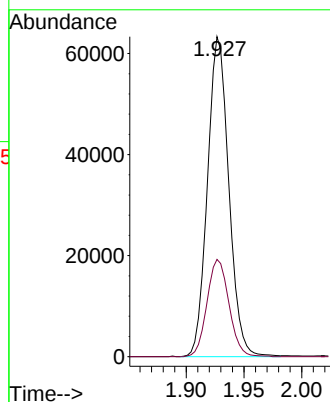
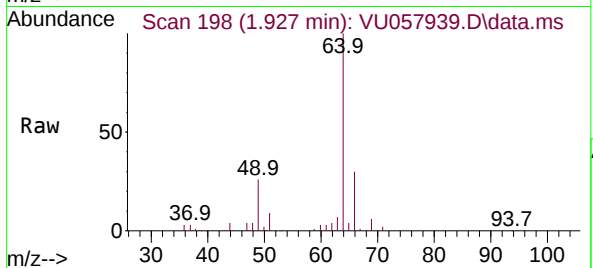




#8
Chloroethane
Concen: 46.397 ug/L
RT: 1.927 min Scan# 19
Delta R.T. -0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

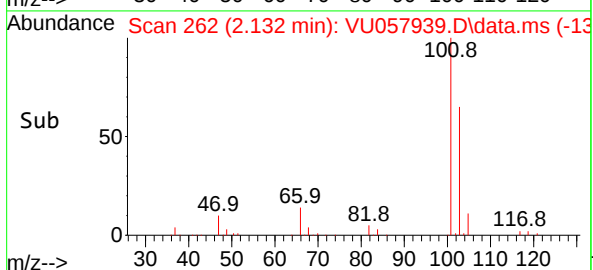
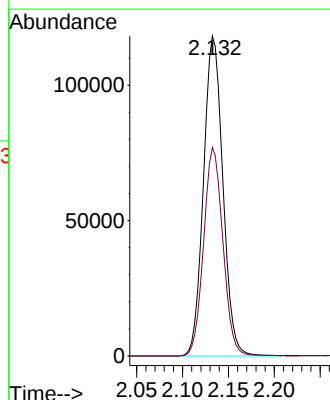
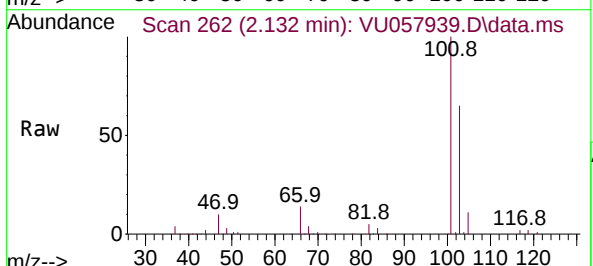
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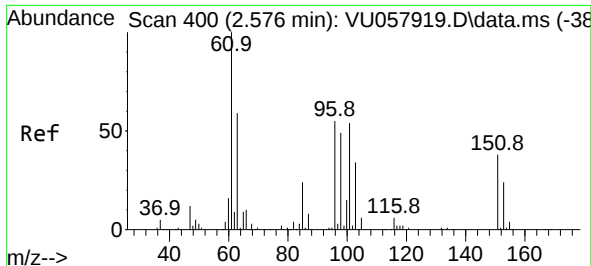
Tgt Ion: 64 Resp: 81530
Ion Ratio Lower Upper
64 100
66 30.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.263 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion:101 Resp: 173770
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5

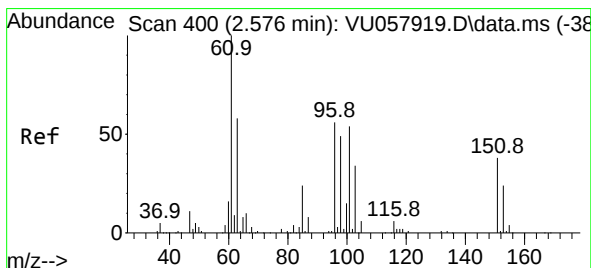
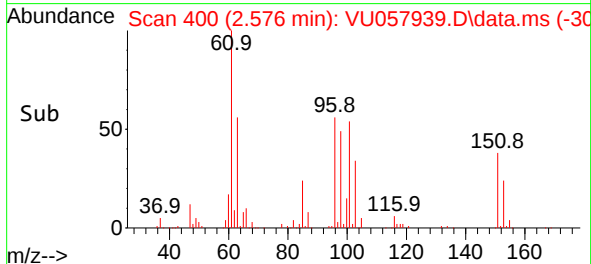
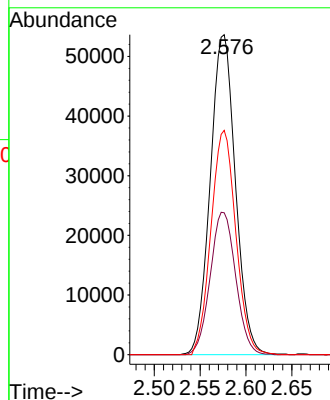
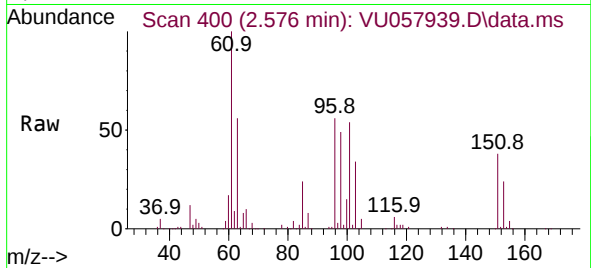




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.894 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

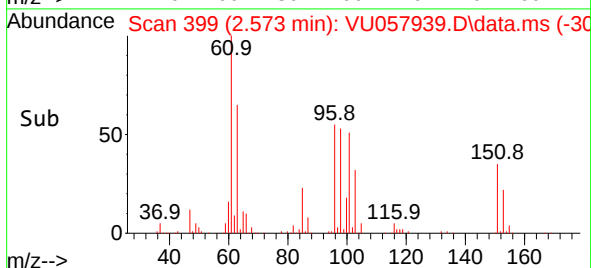
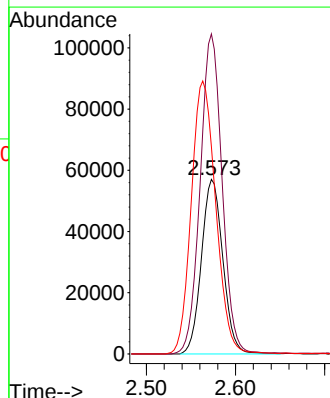
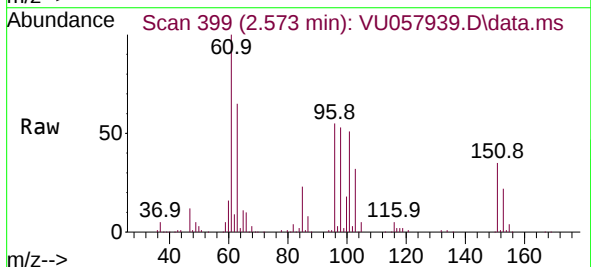
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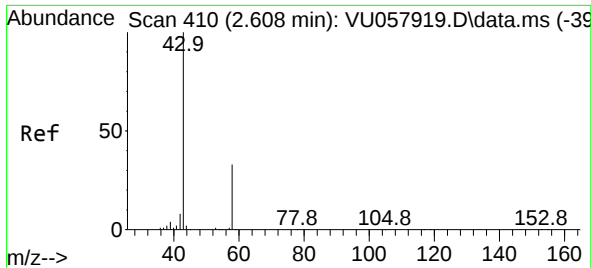
Tgt Ion:101 Resp: 102343
Ion Ratio Lower Upper
101 100
85 45.0 35.7 53.5
151 69.4 55.8 83.6



#12
1,1-Dichloroethene
Concen: 48.255 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion: 96 Resp: 95376
Ion Ratio Lower Upper
96 100
61 183.4 126.8 235.6
63 118.9 86.5 160.7





#13

Acetone

Concen: 71.630 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

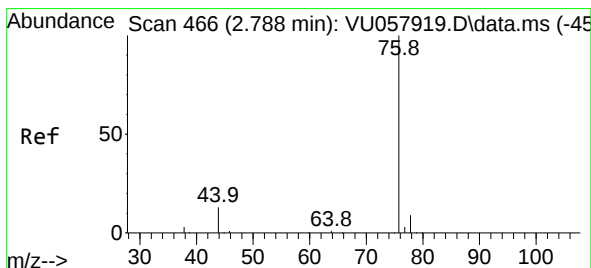
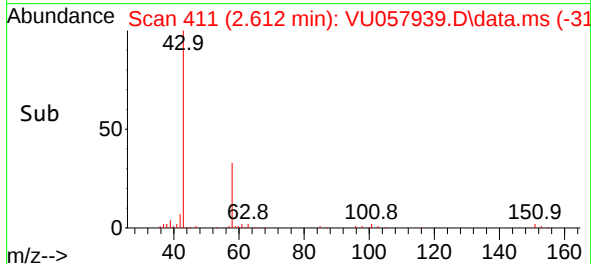
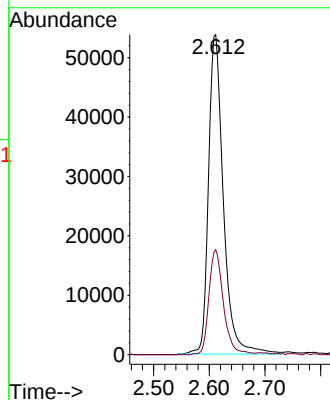
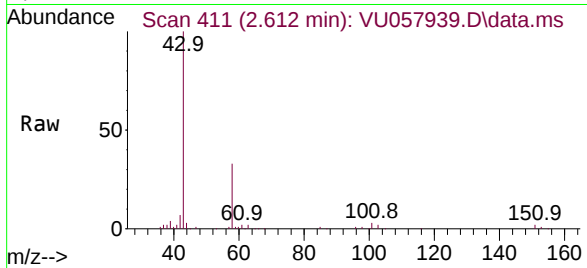
ClientSampleId :

Tgt Ion: 43 Resp: 99588

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.2



#14

Carbon disulfide

Concen: 47.768 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU057939.D

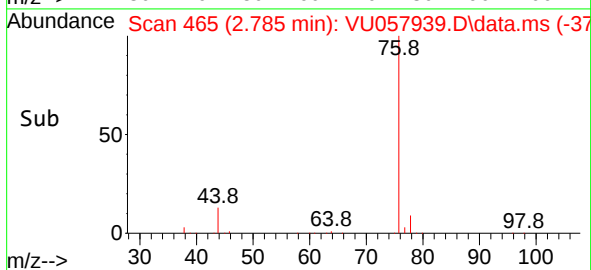
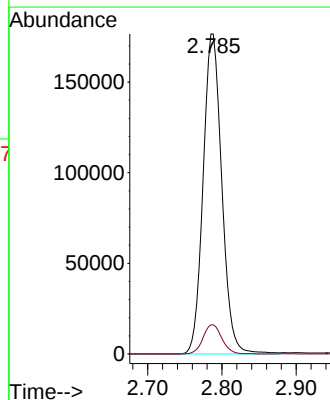
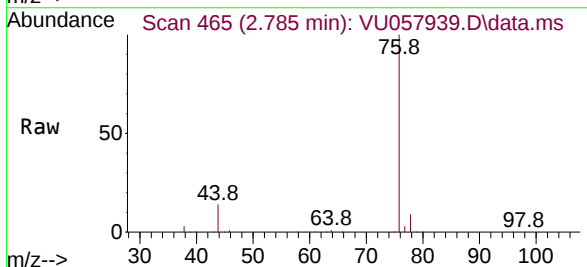
Acq: 23 Feb 2024 09:32

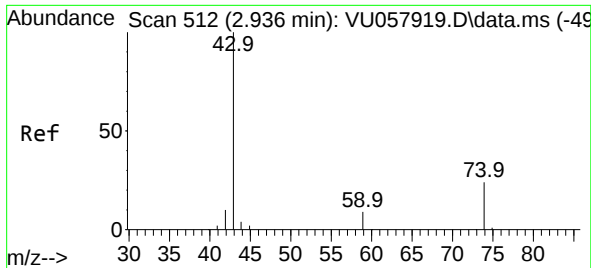
Tgt Ion: 76 Resp: 308979

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

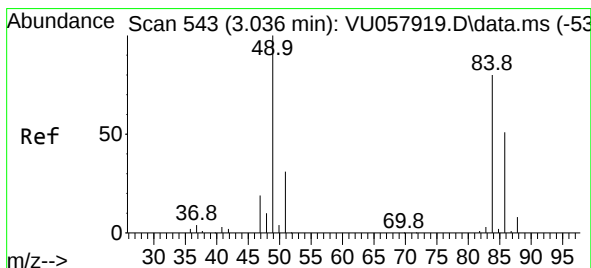
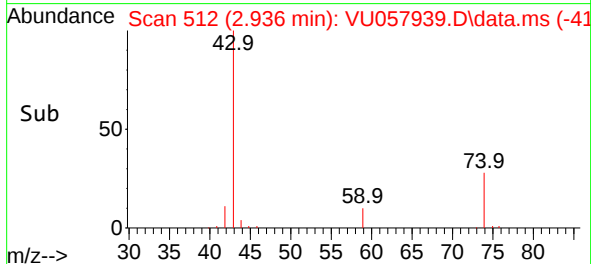
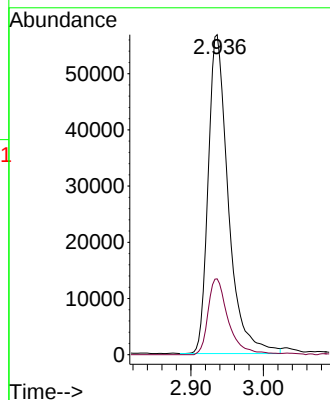
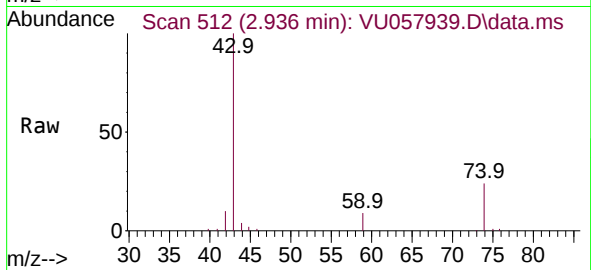




#15
Methyl Acetate
Concen: 48.378 ug/L
RT: 2.936 min Scan# 512
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

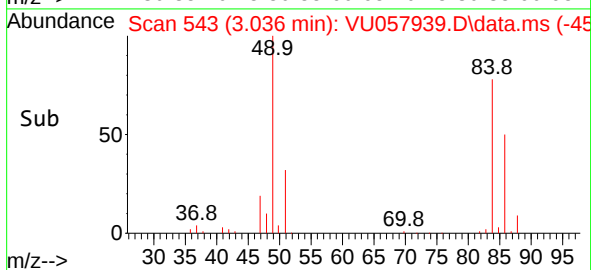
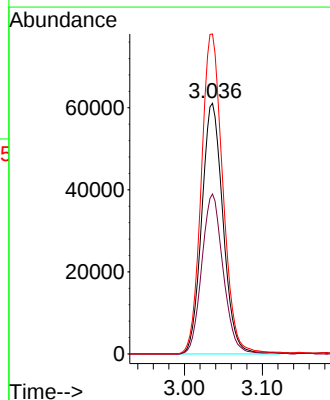
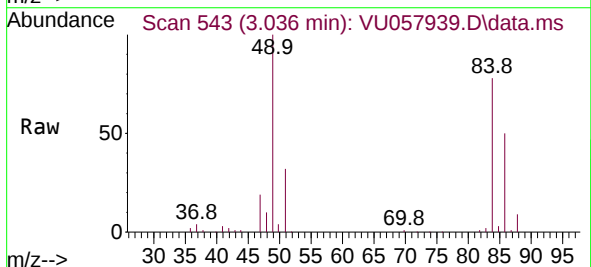
Instrument :
MSVOA_U
ClientSampleId :

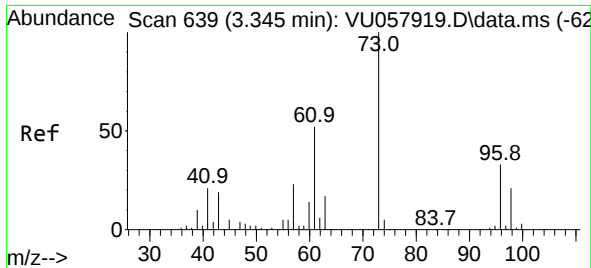
Tgt Ion: 43 Resp: 109501
Ion Ratio Lower Upper
43 100
74 23.5 18.6 27.8



#16
Methylene chloride
Concen: 45.002 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion: 84 Resp: 115929
Ion Ratio Lower Upper
84 100
86 63.8 45.1 83.7
49 127.7 89.7 166.5



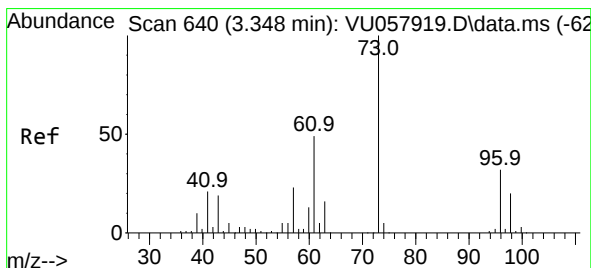
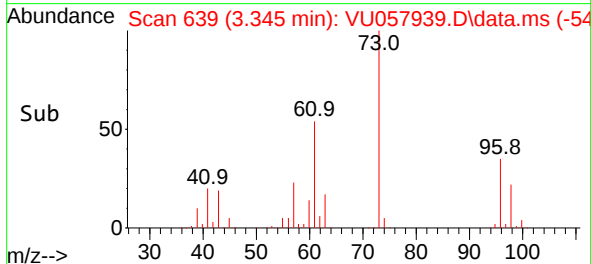
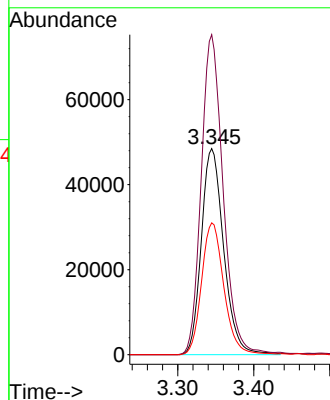
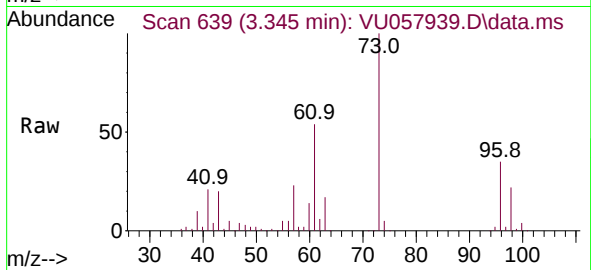


#17
 trans-1,2-Dichloroethene
 Concen: 48.399 ug/L
 RT: 3.345 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU057939.D
 Acq: 23 Feb 2024 09:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 96 Resp: 99244

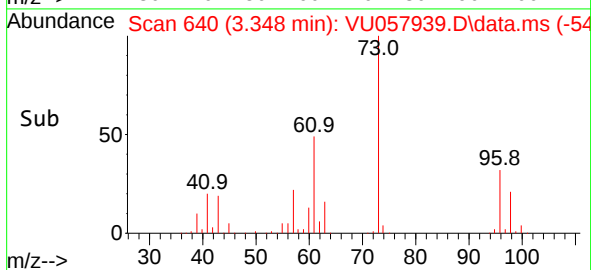
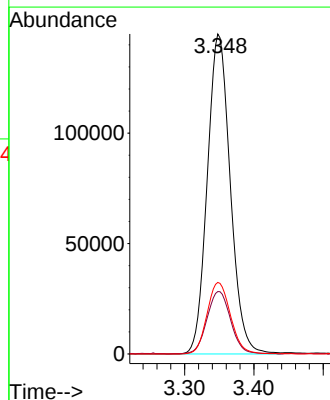
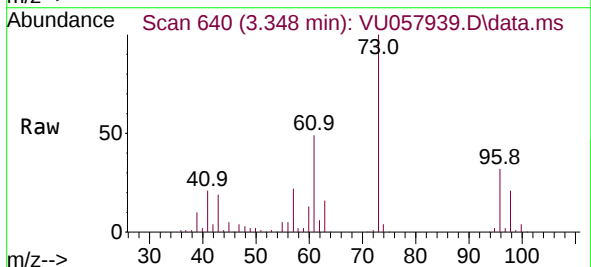
Ion	Ratio	Lower	Upper
96	100		
61	155.3	106.3	197.3
98	64.0	44.4	82.5

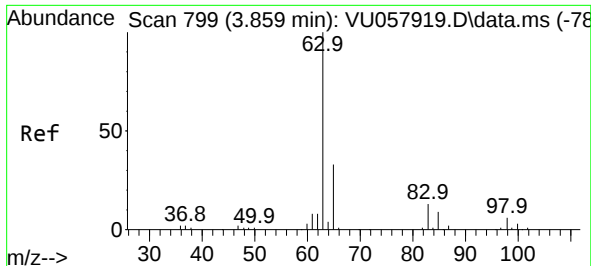


#18
 Methyl tert-butyl Ether
 Concen: 46.776 ug/L
 RT: 3.348 min Scan# 640
 Delta R.T. 0.000 min
 Lab File: VU057939.D
 Acq: 23 Feb 2024 09:32

Tgt Ion: 73 Resp: 333937

Ion	Ratio	Lower	Upper
73	100		
43	20.2	16.0	24.0
57	22.7	17.8	26.6





#19

1,1-Dichloroethane

Concen: 47.831 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

ClientSampleId :

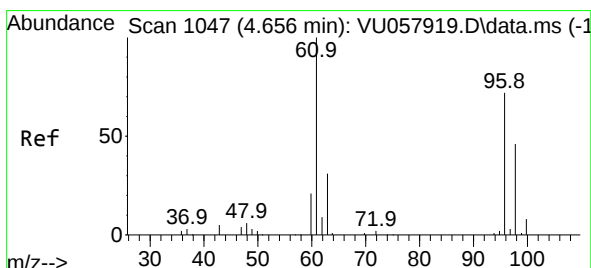
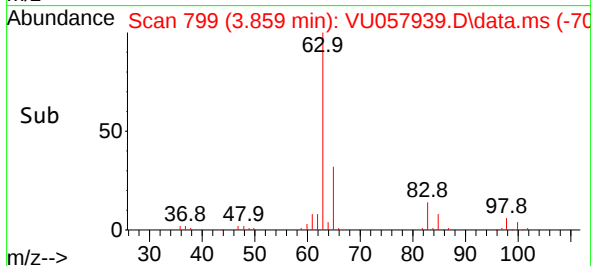
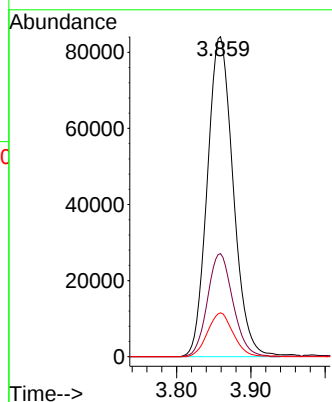
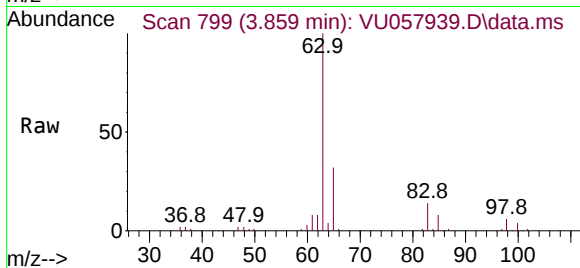
Tgt Ion: 63 Resp: 203346

Ion Ratio Lower Upper

63 100

65 32.2 21.7 40.3

83 13.7 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.806 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

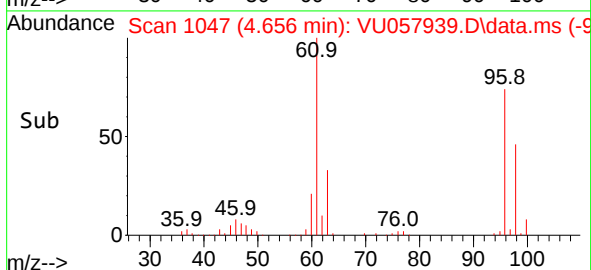
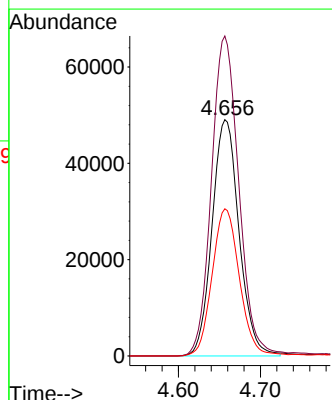
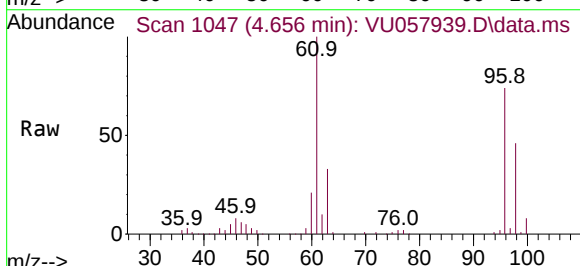
Tgt Ion: 96 Resp: 112456

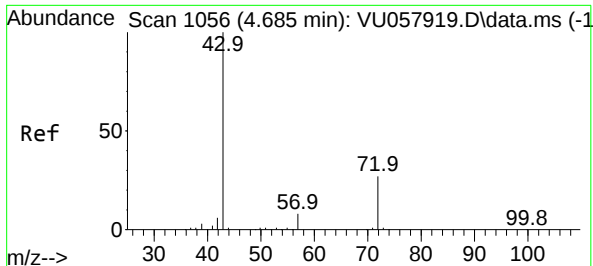
Ion Ratio Lower Upper

96 100

61 135.4 96.7 179.7

98 62.3 44.3 82.3

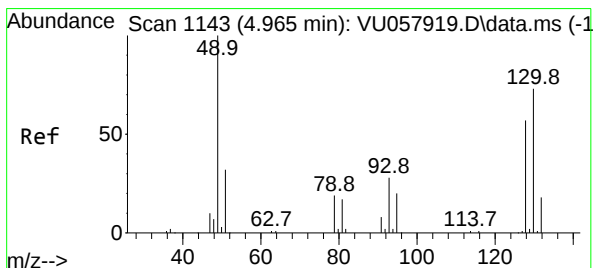
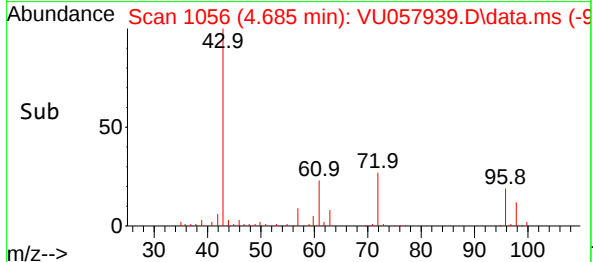
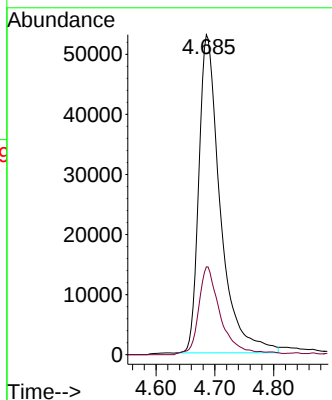
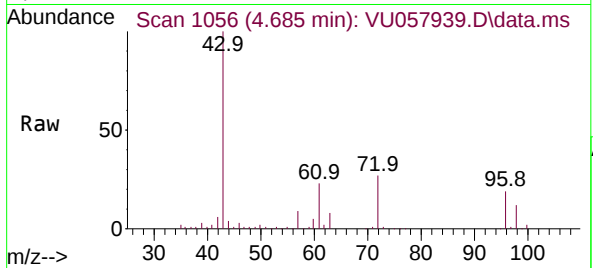




#22
2-Butanone
Concen: 79.610 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

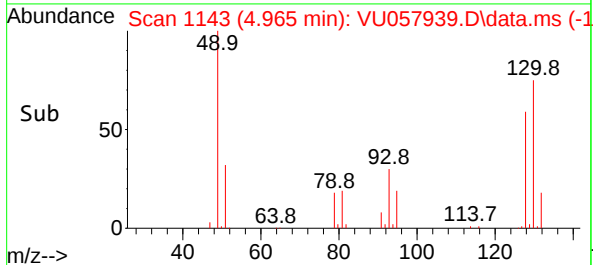
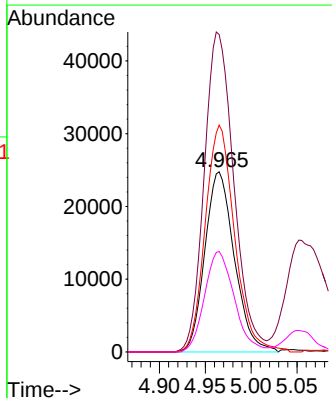
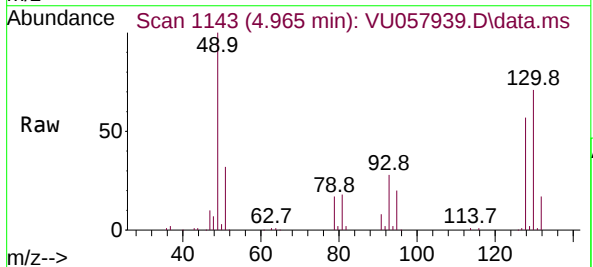
Instrument :
MSVOA_U
ClientSampleId :

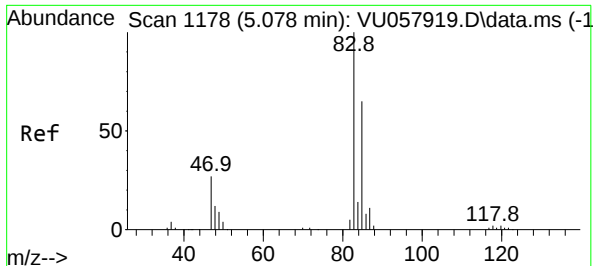
Tgt Ion: 43 Resp: 134096
Ion Ratio Lower Upper
43 100
72 27.1 13.8 41.3



#23
Bromochloromethane
Concen: 48.524 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion:128 Resp: 55459
Ion Ratio Lower Upper
128 100
49 176.2 124.0 230.4
130 125.9 87.8 163.0
51 55.7 44.4 66.6

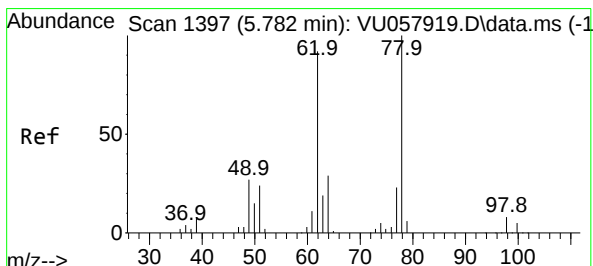
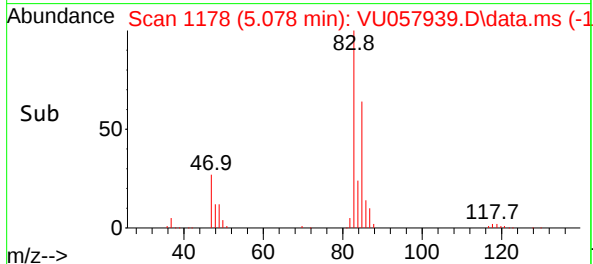
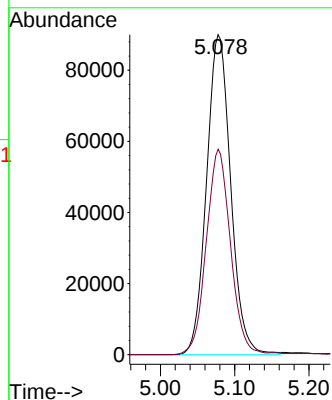
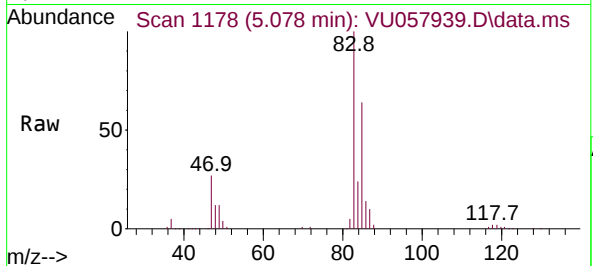




#25
Chloroform
Concen: 48.446 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

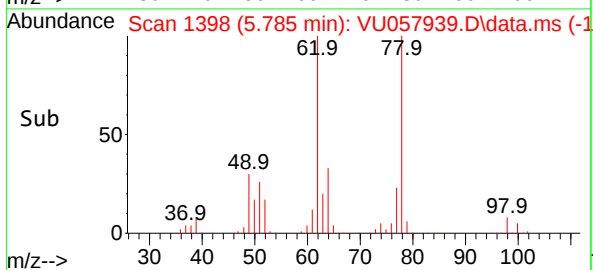
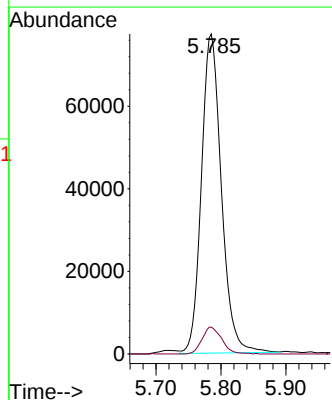
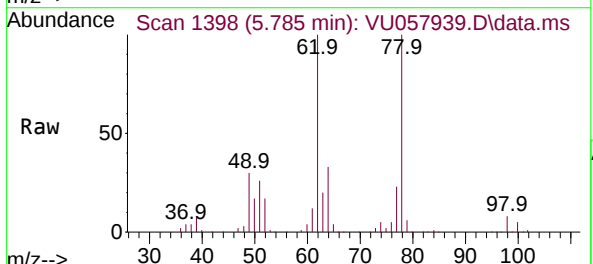
Instrument :
MSVOA_U
ClientSampleId :

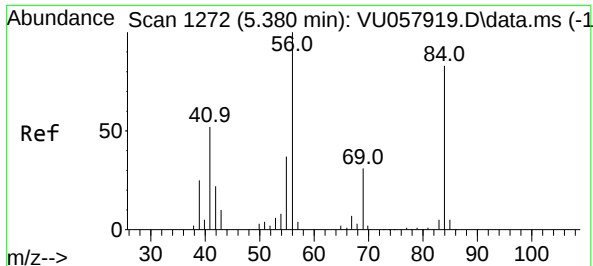
Tgt Ion: 83 Resp: 203355
Ion Ratio Lower Upper
83 100
85 64.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 47.389 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion: 62 Resp: 165515
Ion Ratio Lower Upper
62 100
98 8.4 7.1 10.7





#29

Cyclohexane

Concen: 46.972 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

ClientSampleId :

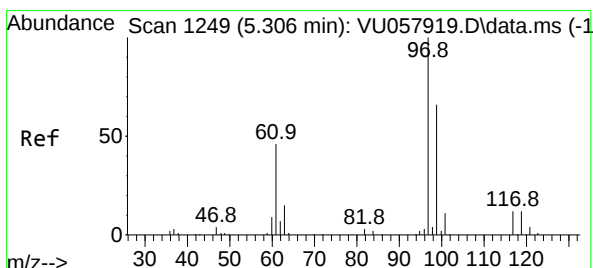
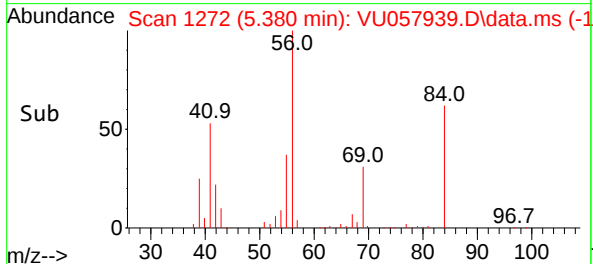
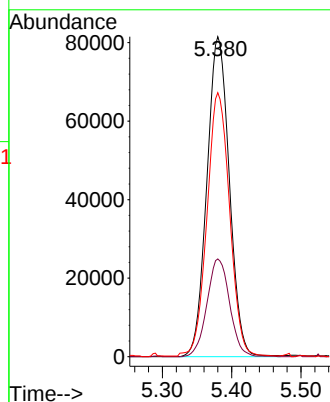
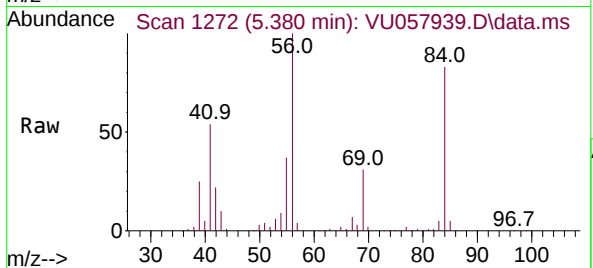
Tgt Ion: 56 Resp: 183430

Ion Ratio Lower Upper

56 100

69 30.8 24.6 36.8

84 82.3 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 47.533 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

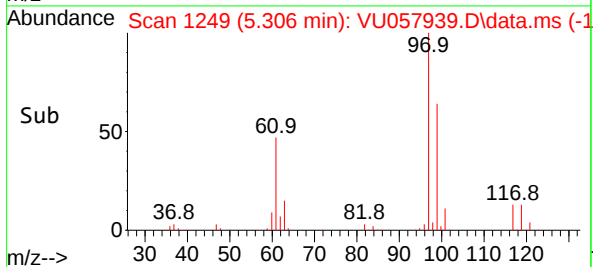
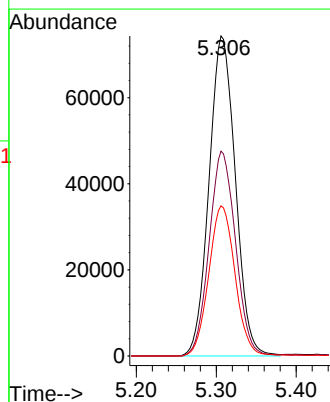
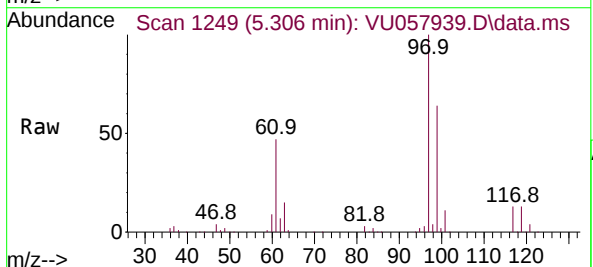
Tgt Ion: 97 Resp: 169963

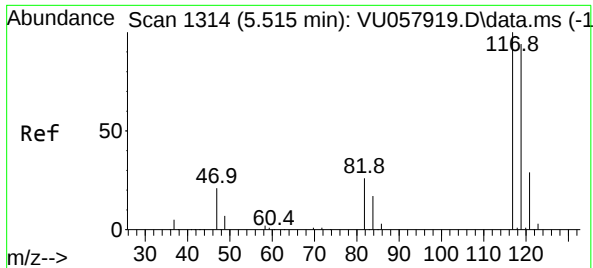
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 46.8 36.8 55.2

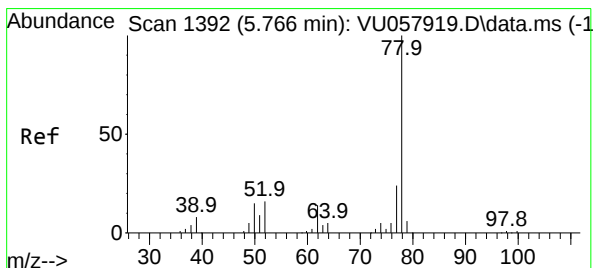
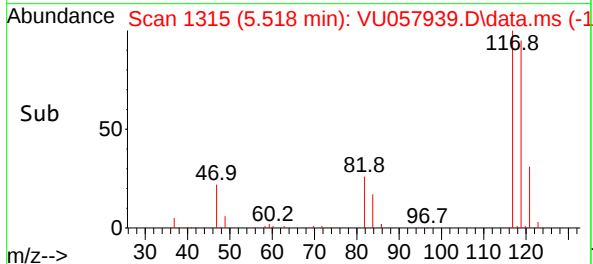
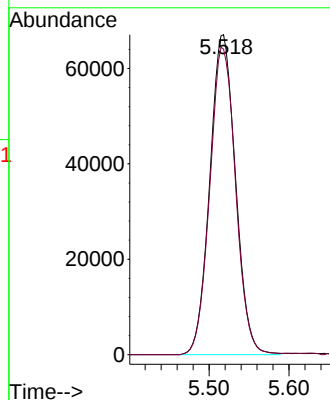
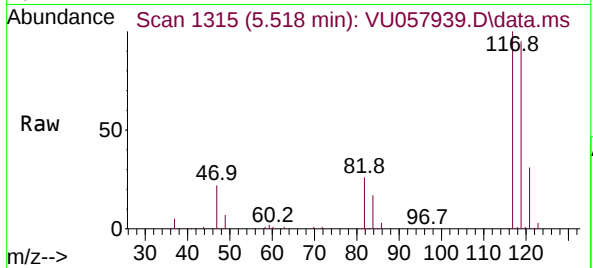




#31
Carbon tetrachloride
Concen: 48.782 ug/L
RT: 5.518 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

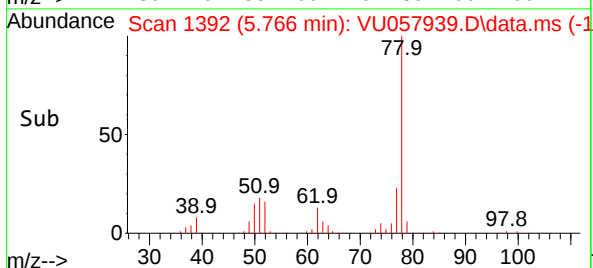
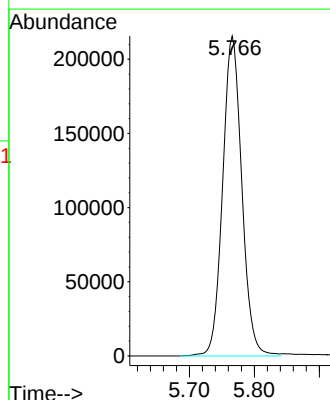
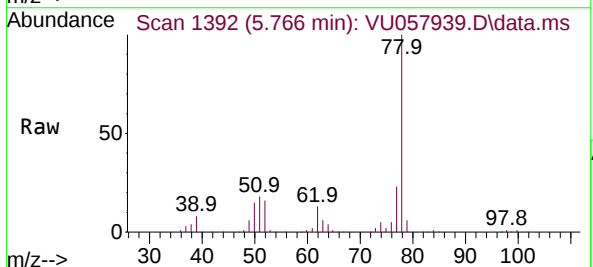
Instrument :
MSVOA_U
ClientSampleId :

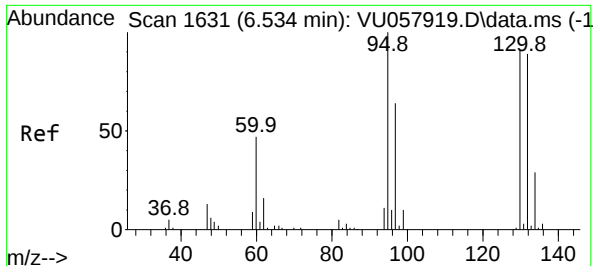
Tgt Ion:117 Resp: 149789
Ion Ratio Lower Upper
117 100
119 96.3 75.9 113.9



#33
Benzene
Concen: 47.632 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion: 78 Resp: 440817

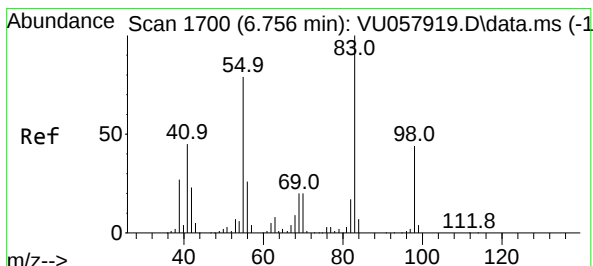
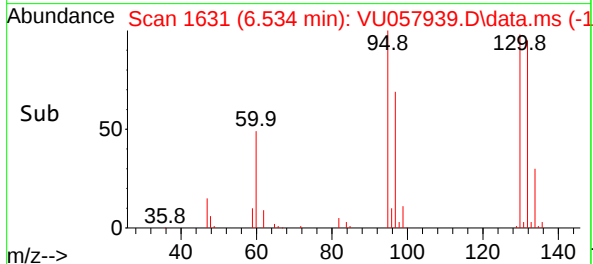
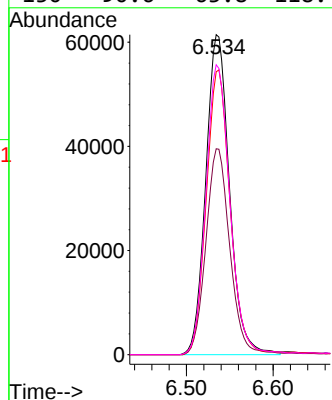
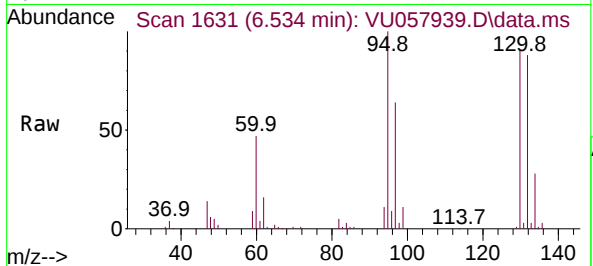




#34
Trichloroethene
Concen: 49.235 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

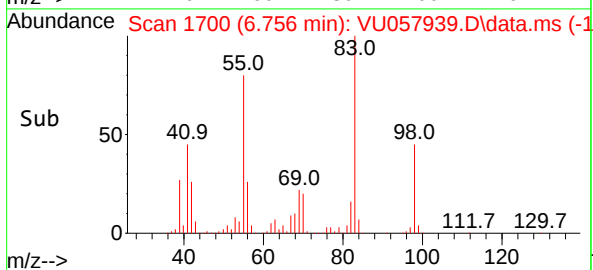
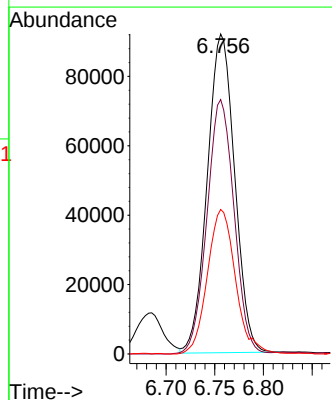
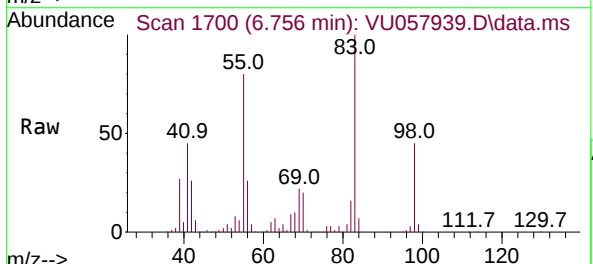
Instrument :
MSVOA_U
ClientSampleId :

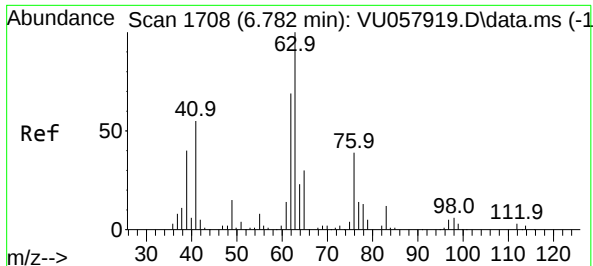
Tgt Ion: 95 Resp: 117127
Ion Ratio Lower Upper
95 100
97 64.3 44.2 82.2
132 88.4 61.4 114.0
130 90.6 63.8 118.4



#35
Methylcyclohexane
Concen: 46.580 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion: 83 Resp: 180036
Ion Ratio Lower Upper
83 100
55 79.0 62.7 94.1
98 46.4 36.3 54.5

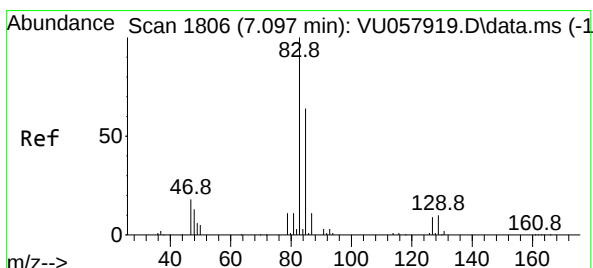
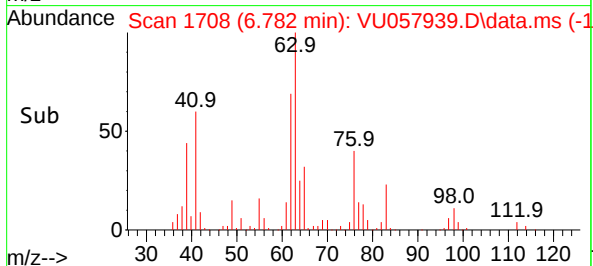
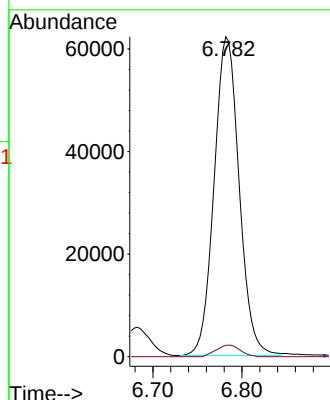
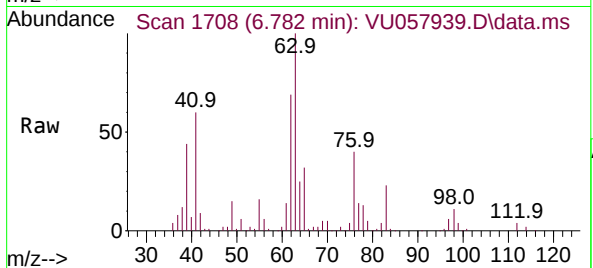




#37
1,2-Dichloropropane
Concen: 46.461 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

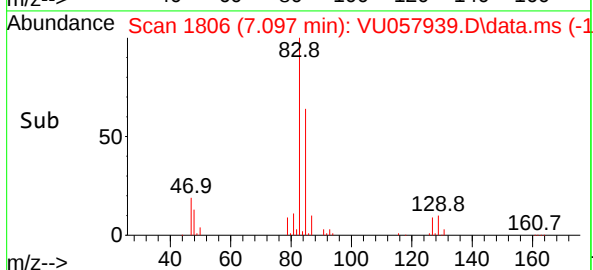
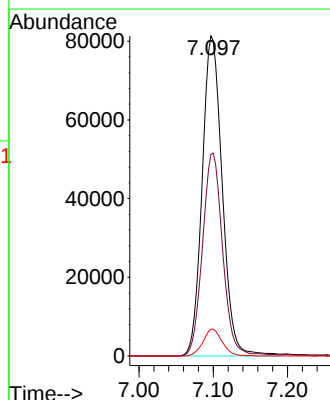
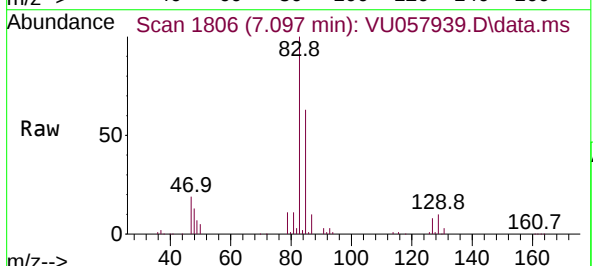
Instrument :
MSVOA_U
ClientSampleId :

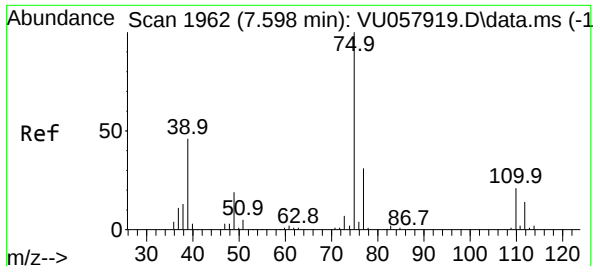
Tgt Ion: 63 Resp: 121326
Ion Ratio Lower Upper
63 100
112 3.5 2.9 4.3



#38
Bromodichloromethane
Concen: 48.751 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion: 83 Resp: 152874
Ion Ratio Lower Upper
83 100
85 63.0 45.4 84.4
127 9.1 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 45.407 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

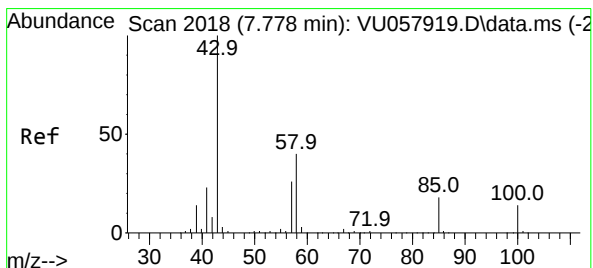
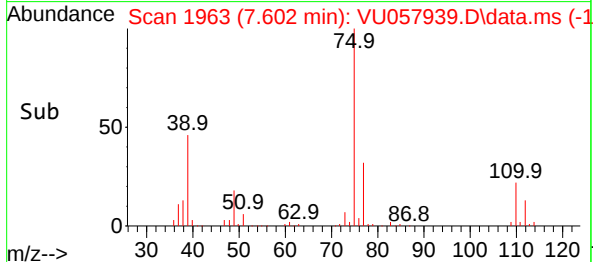
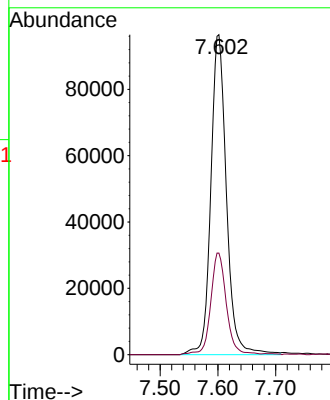
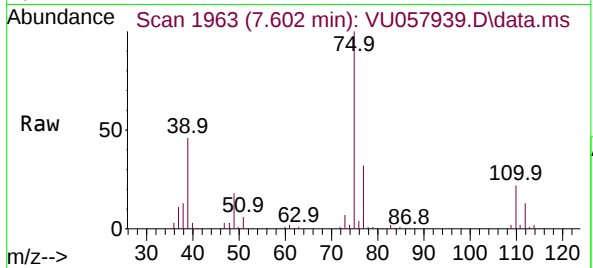
ClientSampleId :

Tgt Ion: 75 Resp: 181206

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 87.734 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.003 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

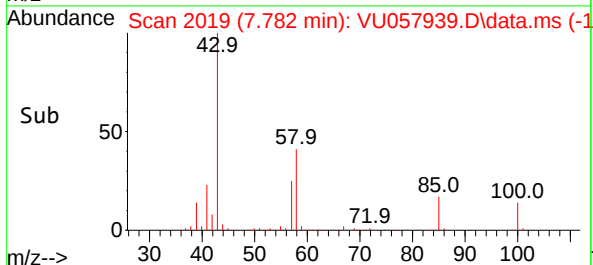
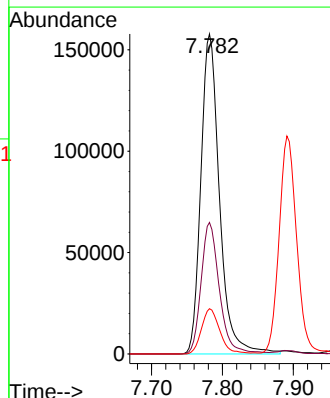
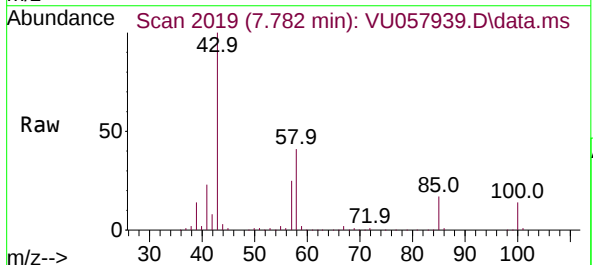
Tgt Ion: 43 Resp: 288392

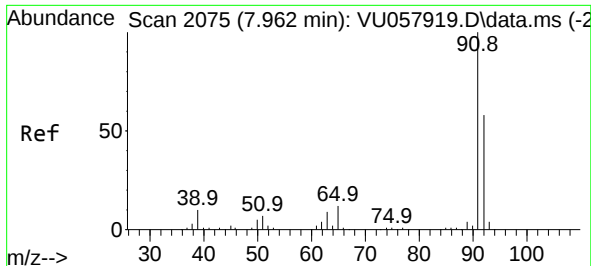
Ion Ratio Lower Upper

43 100

58 40.4 32.3 48.5

100 13.9 11.4 17.0





#42

Toluene

Concen: 48.234 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

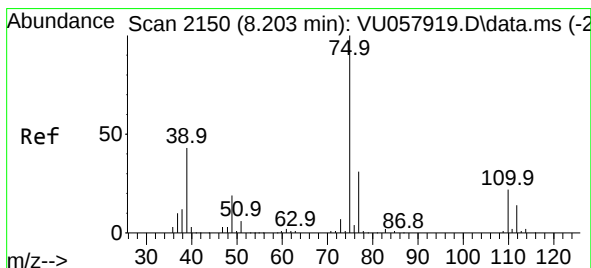
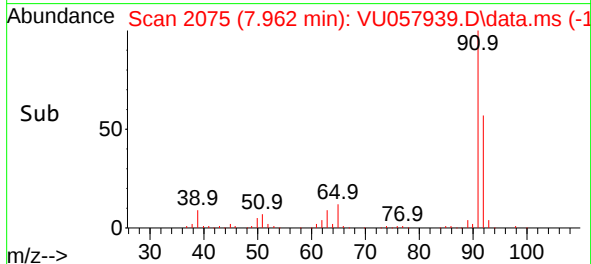
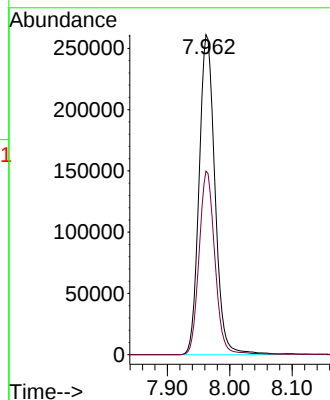
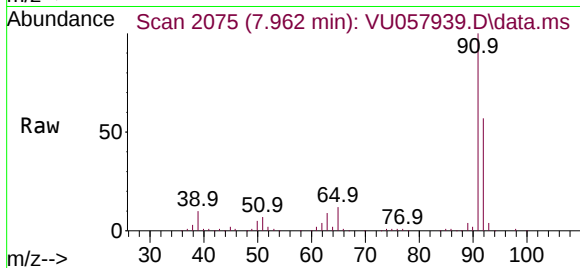
ClientSampleId :

Tgt Ion: 91 Resp: 461983

Ion Ratio Lower Upper

91 100

92 57.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 44.952 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057939.D

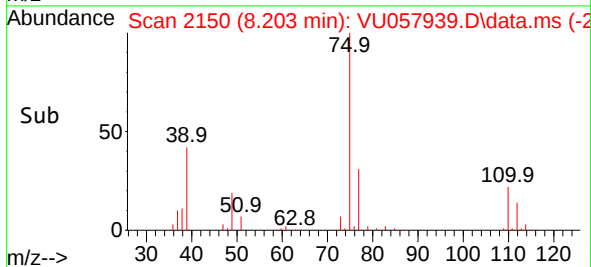
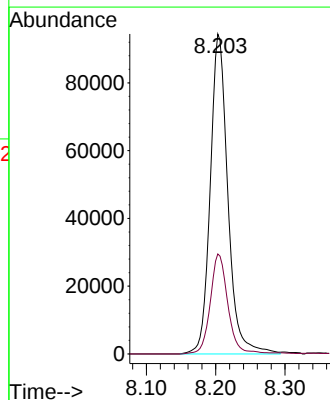
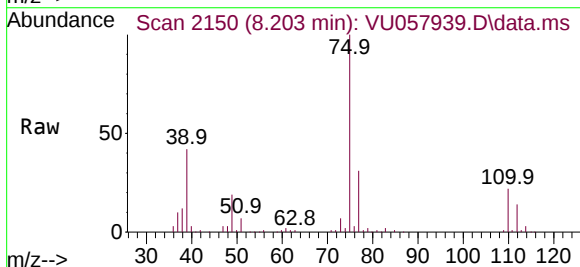
Acq: 23 Feb 2024 09:32

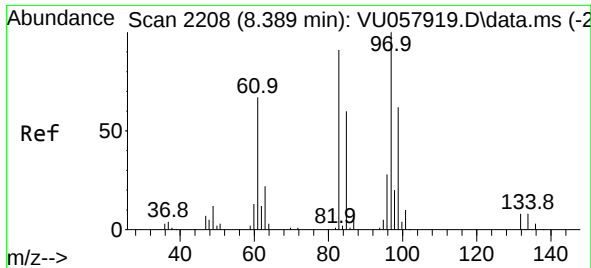
Tgt Ion: 75 Resp: 166476

Ion Ratio Lower Upper

75 100

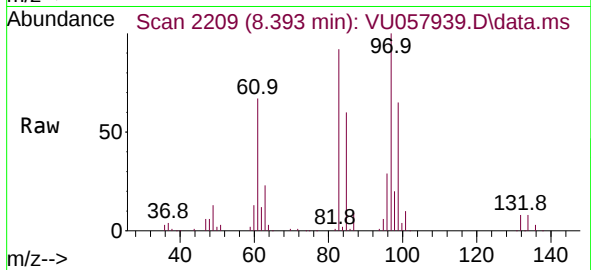
77 31.3 21.8 40.4



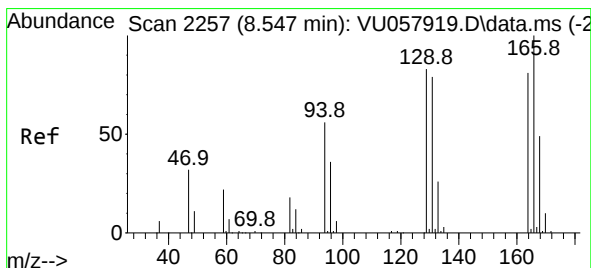
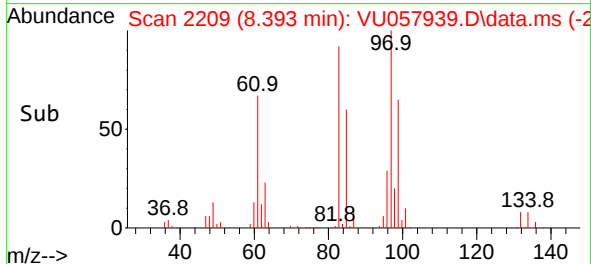
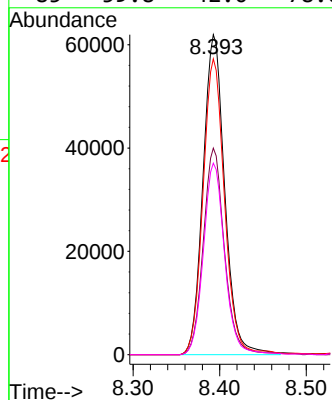


#45
1,1,2-Trichloroethane
Concen: 46.453 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Instrument :
MSVOA_U
ClientSampleId :

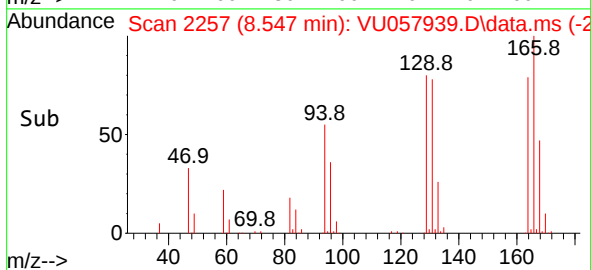
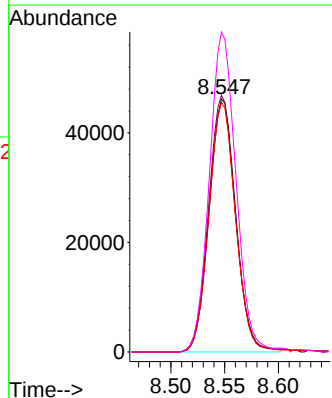
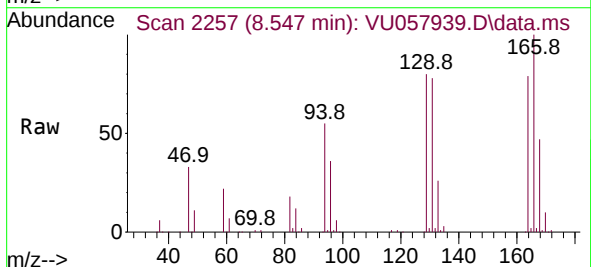


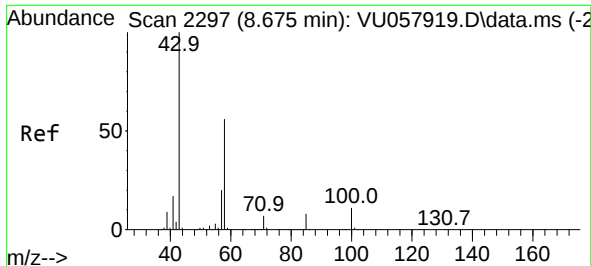
Tgt Ion: 97 Resp: 107783
Ion Ratio Lower Upper
97 100
99 64.6 43.0 80.0
83 92.4 65.0 120.6
85 59.8 42.0 78.0



#46
Tetrachloroethene
Concen: 48.792 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

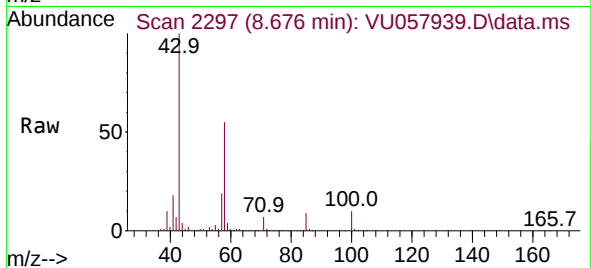
Tgt Ion: 164 Resp: 79881
Ion Ratio Lower Upper
164 100
129 101.4 74.1 137.7
131 98.7 72.0 133.6
166 129.5 91.6 170.0





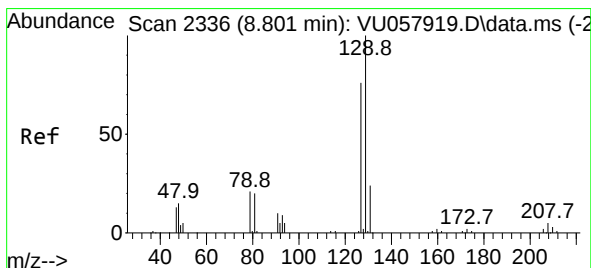
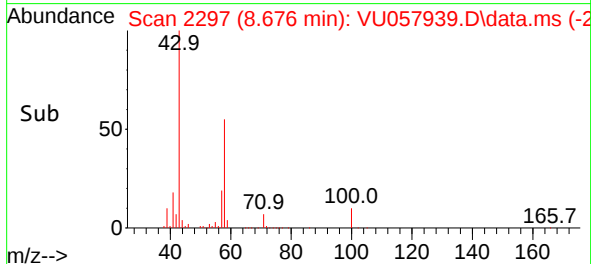
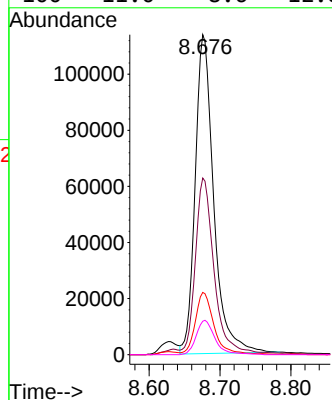
#48
2-Hexanone
Concen: 77.075 ug/L
RT: 8.676 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 206794

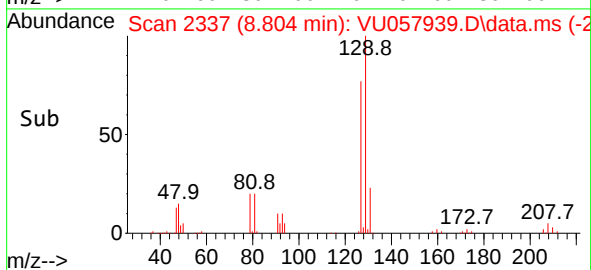
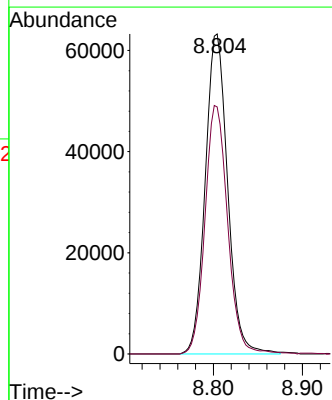
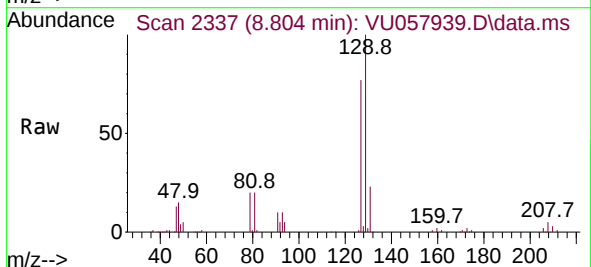
Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.8	65.8
57	18.9	15.5	23.3
100	11.0	8.6	12.8

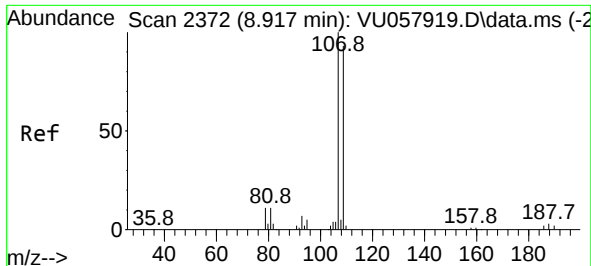


#49
Dibromochloromethane
Concen: 47.815 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion: 129 Resp: 110488

Ion	Ratio	Lower	Upper
129	100		
127	77.2	53.3	99.1





#50

1,2-Dibromoethane

Concen: 47.068 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

ClientSampleId :

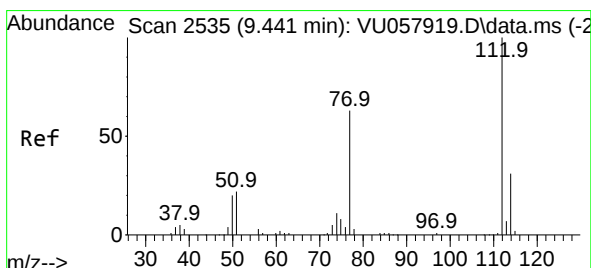
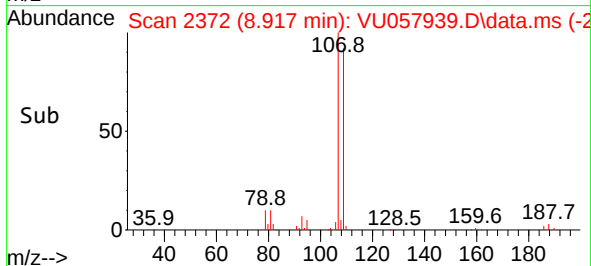
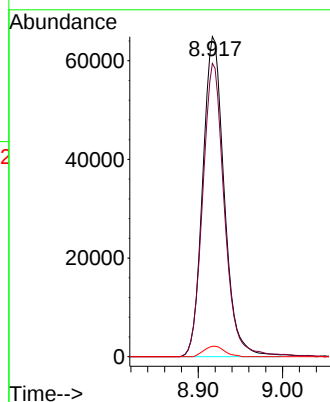
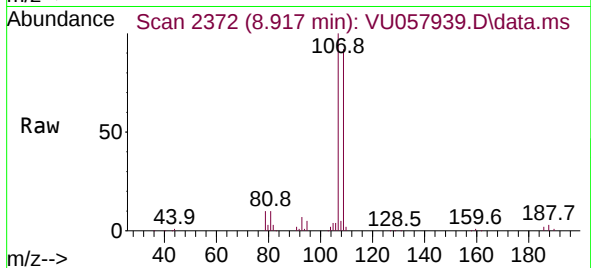
Tgt Ion:107 Resp: 114990

Ion Ratio Lower Upper

107 100

109 91.7 66.1 122.8

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 46.736 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

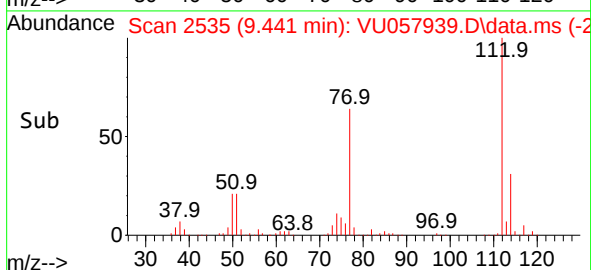
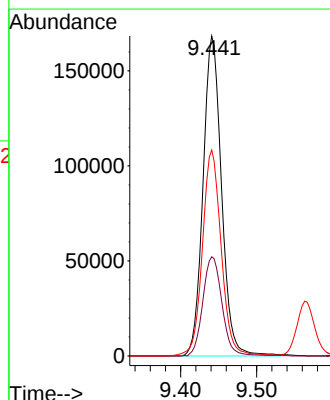
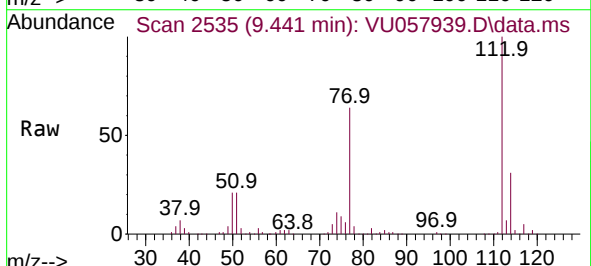
Tgt Ion:112 Resp: 284644

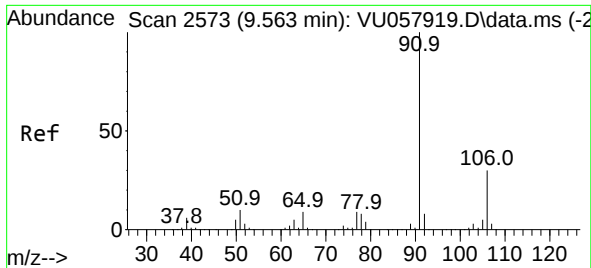
Ion Ratio Lower Upper

112 100

114 31.0 22.7 42.1

77 64.4 51.8 77.8

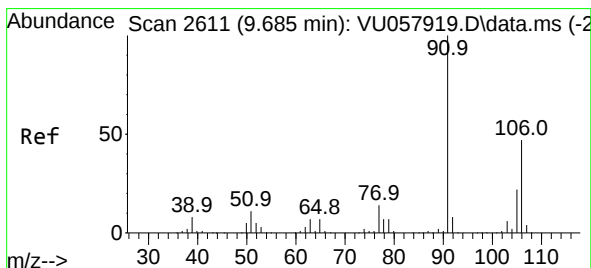
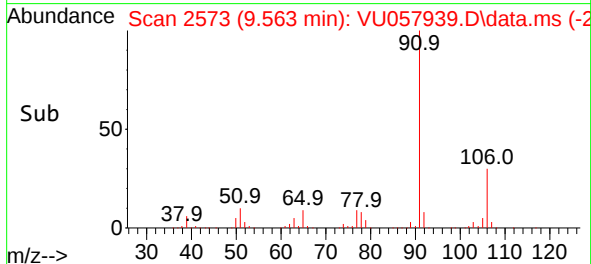
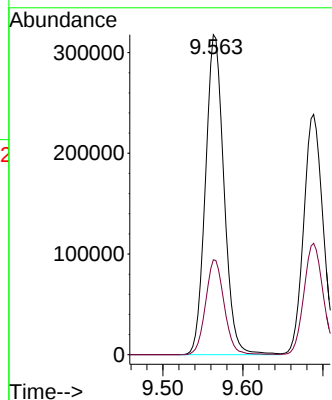
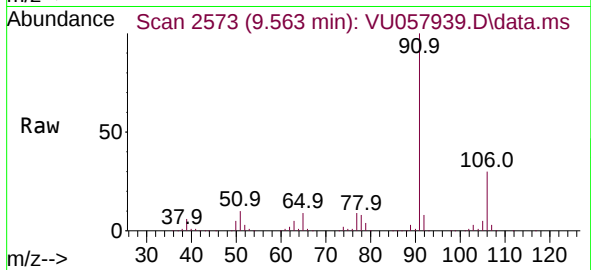




#52
Ethylbenzene
Concen: 47.681 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

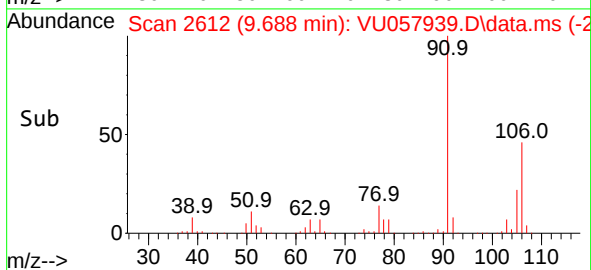
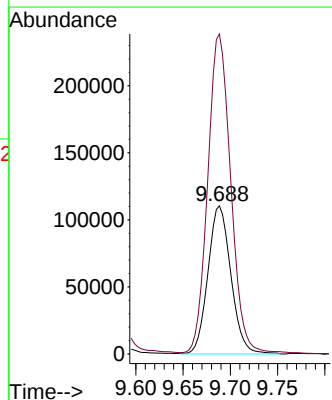
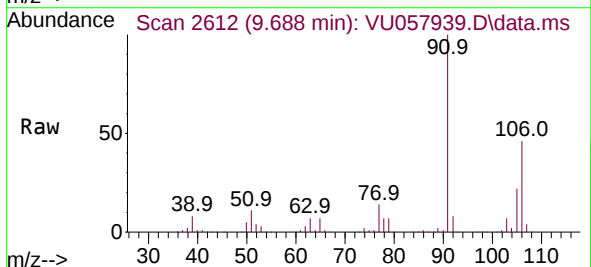
Instrument :
MSVOA_U
ClientSampleId :

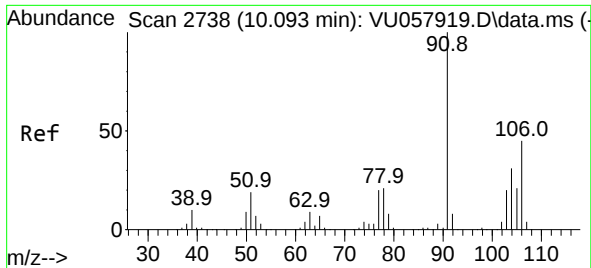
Tgt Ion: 91 Resp: 512075
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1



#53
m,p-Xylene
Concen: 47.787 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion:106 Resp: 186640
Ion Ratio Lower Upper
106 100
91 215.9 150.2 279.0

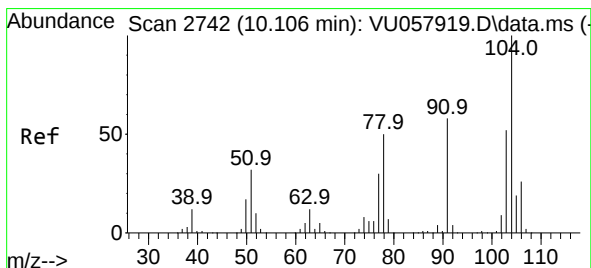
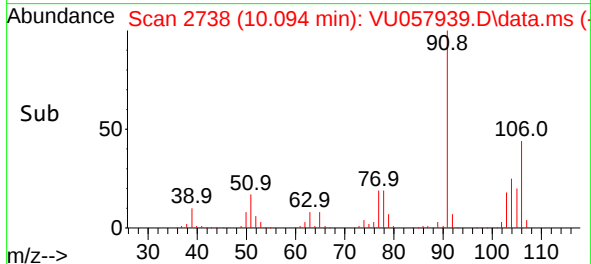
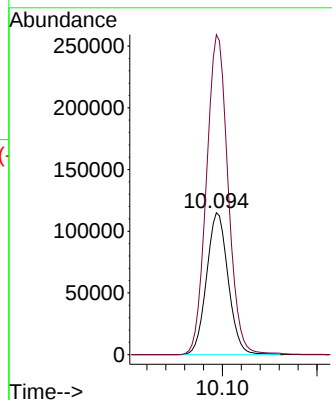
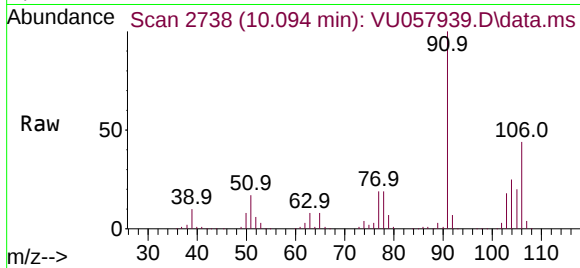




#54
o-Xylene
Concen: 47.319 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

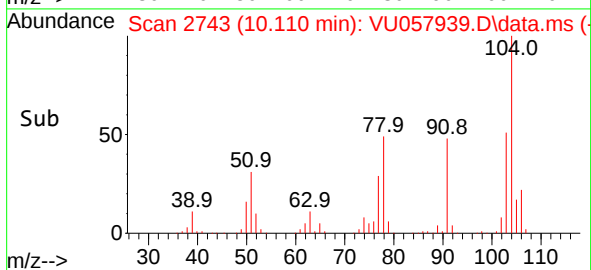
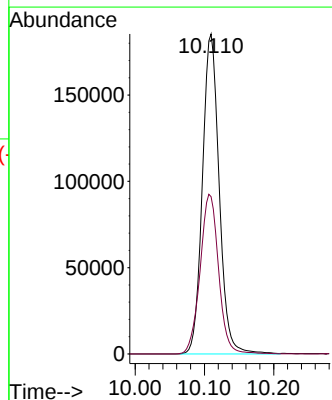
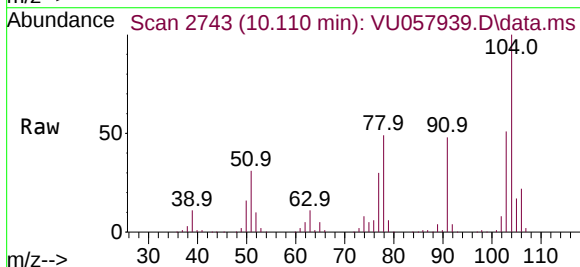
Instrument :
MSVOA_U
ClientSampleId :

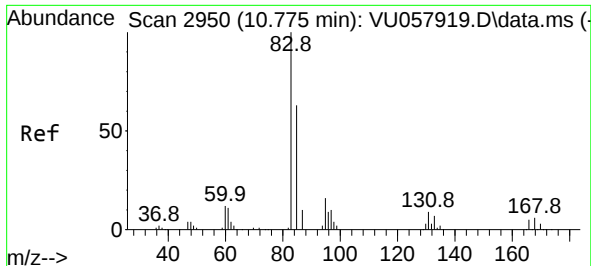
Tgt Ion:106 Resp: 182605
Ion Ratio Lower Upper
106 100
91 225.4 161.3 299.5



#55
Styrene
Concen: 47.137 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion:104 Resp: 311931
Ion Ratio Lower Upper
104 100
78 49.2 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 42.650 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

ClientSampleId :

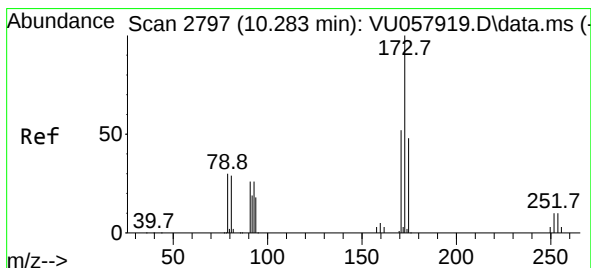
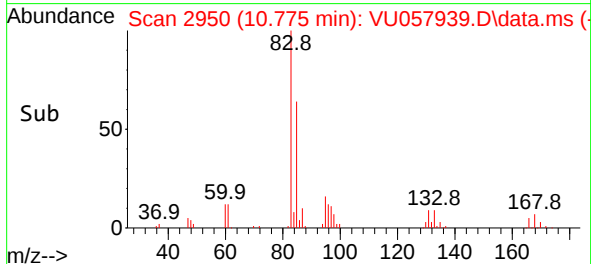
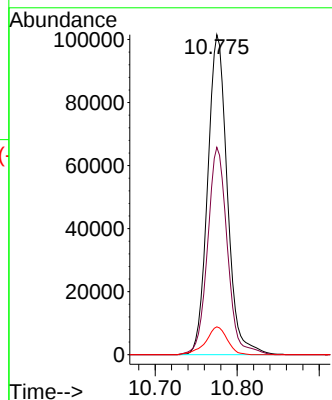
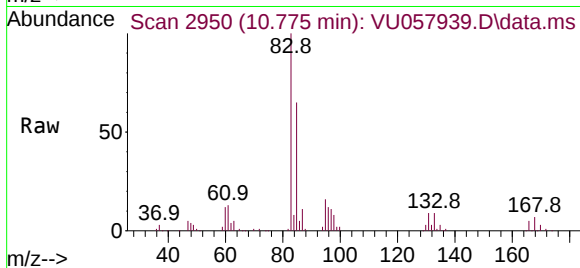
Tgt Ion: 83 Resp: 168580

Ion Ratio Lower Upper

83 100

85 64.8 45.2 84.0

131 8.7 7.8 11.6



#59

Bromoform

Concen: 49.234 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

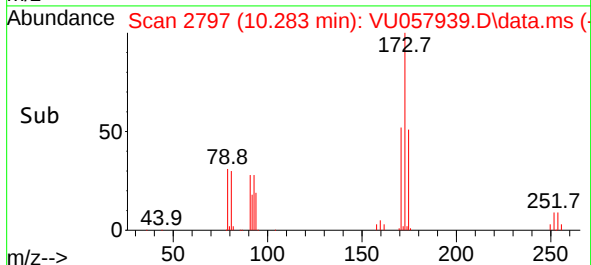
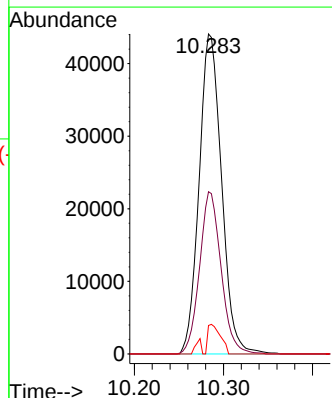
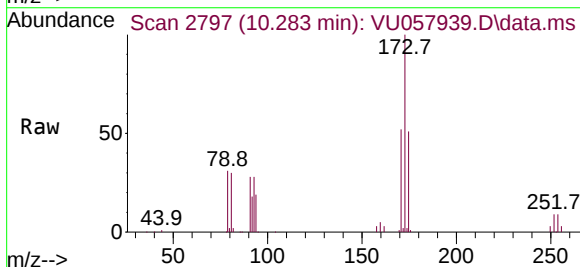
Tgt Ion:173 Resp: 77197

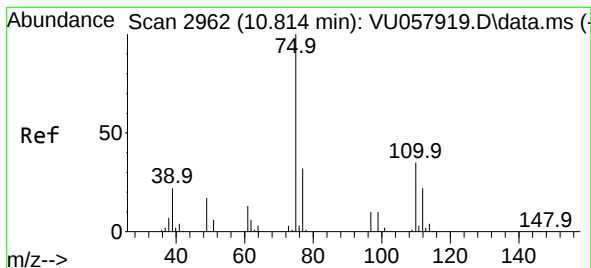
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 5.2 1.0 1.6#





#60

1,2,3-Trichloropropane

Concen: 45.379 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

ClientSampleId :

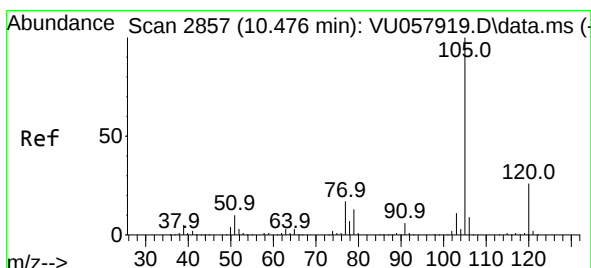
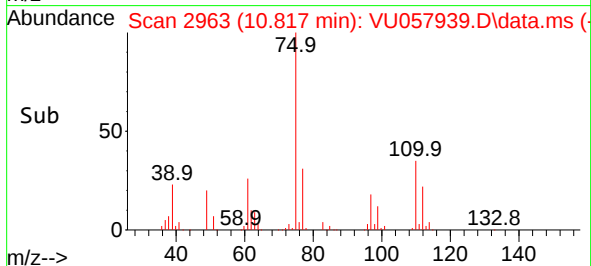
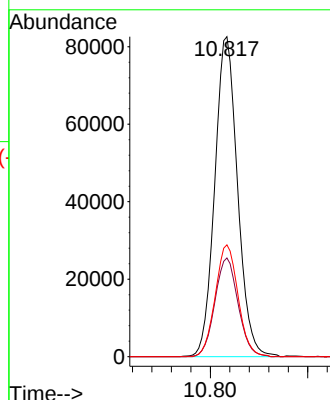
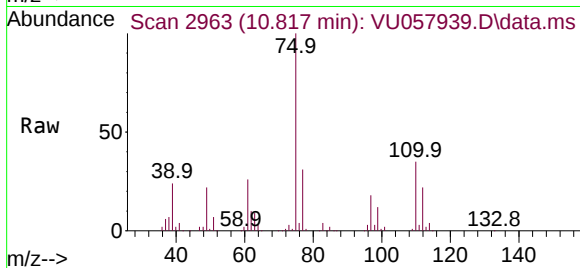
Tgt Ion: 75 Resp: 134289

Ion Ratio Lower Upper

75 100

77 31.4 25.9 38.9

110 35.0 28.3 42.5



#61

Isopropylbenzene

Concen: 49.743 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

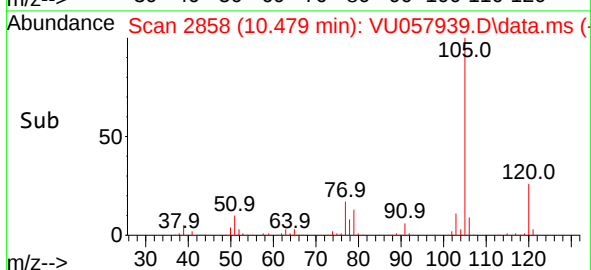
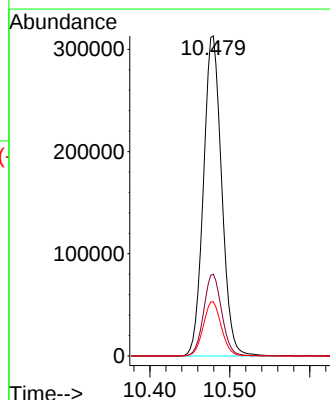
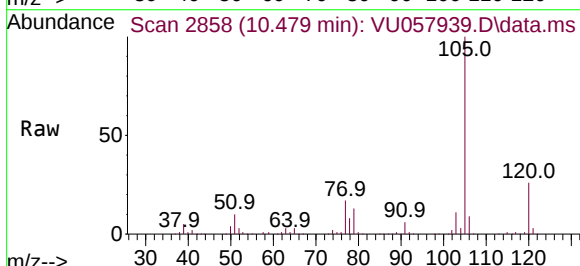
Tgt Ion: 105 Resp: 496536

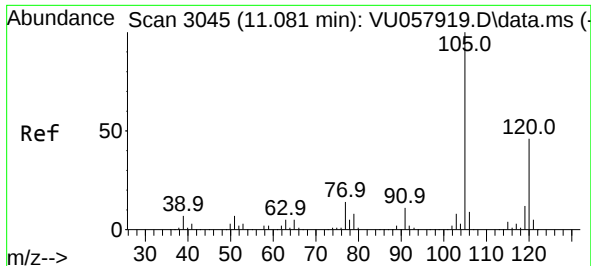
Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

77 16.8 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 47.758 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

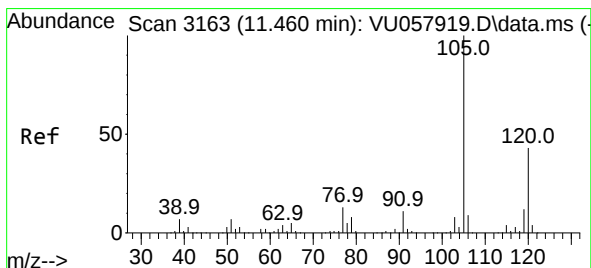
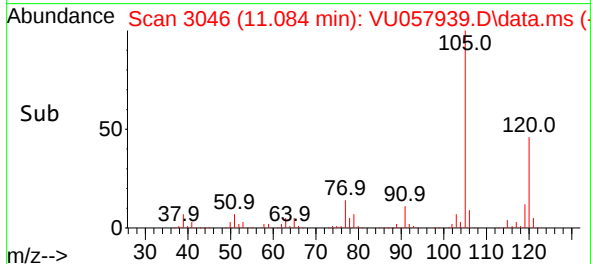
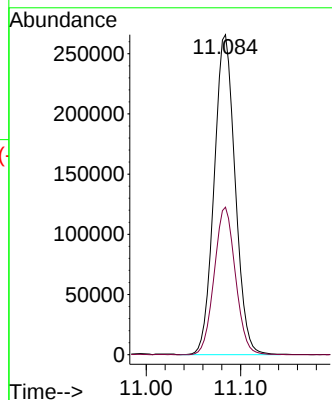
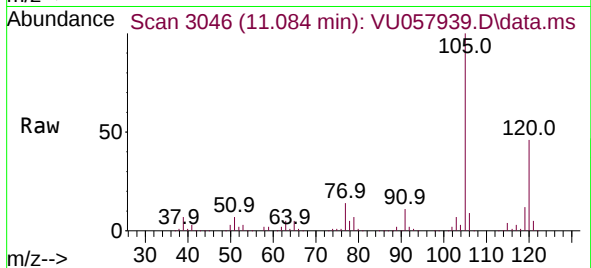
ClientSampleId :

Tgt Ion:105 Resp: 410726

Ion Ratio Lower Upper

105 100

120 46.5 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 47.835 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU057939.D

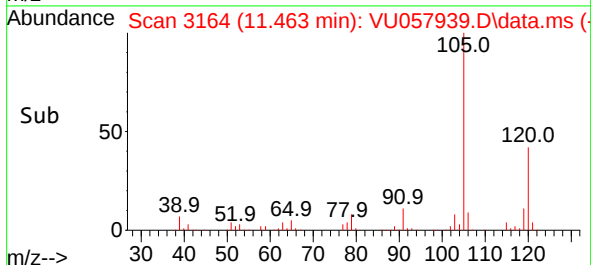
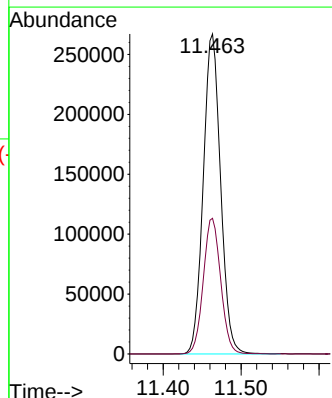
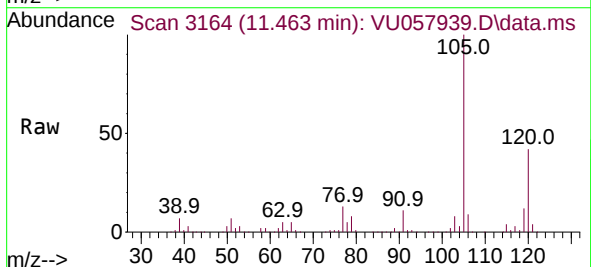
Acq: 23 Feb 2024 09:32

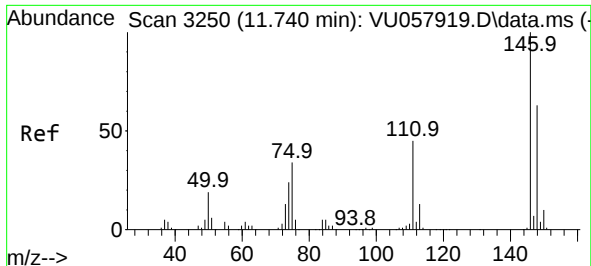
Tgt Ion:105 Resp: 413369

Ion Ratio Lower Upper

105 100

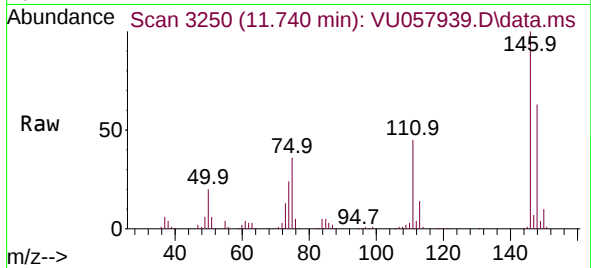
120 42.6 34.8 52.2



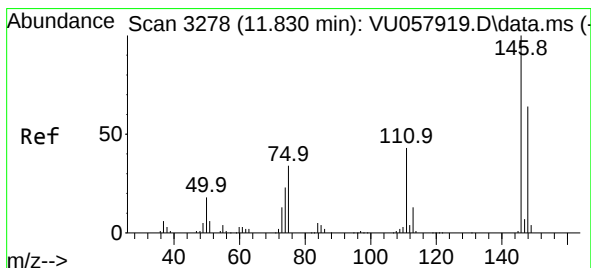
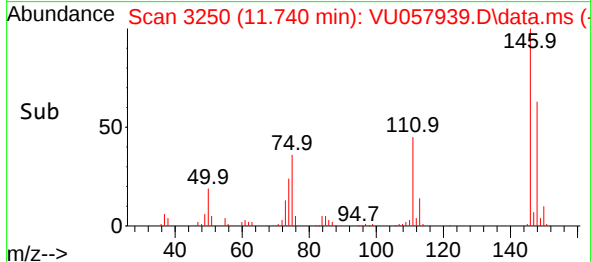
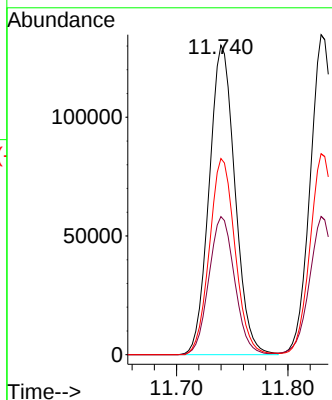


#64
1,3-Dichlorobenzene
Concen: 47.531 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Instrument :
MSVOA_U
ClientSampleId :

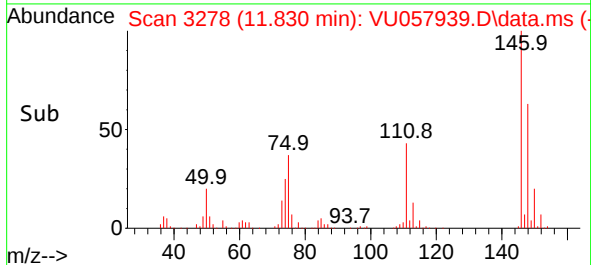
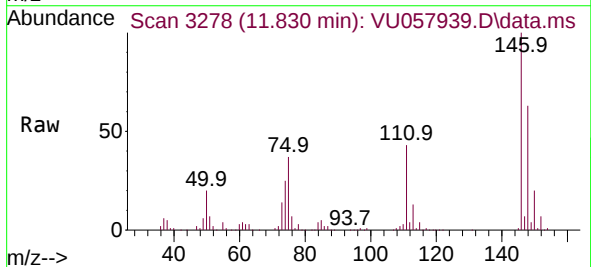
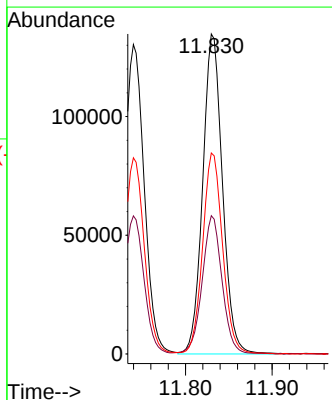


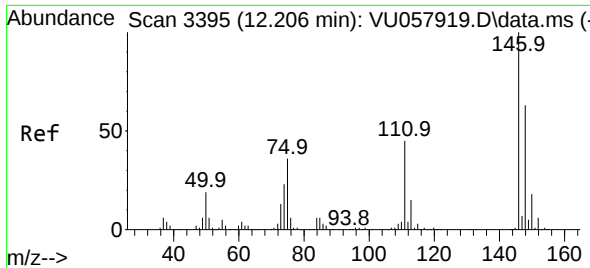
Tgt Ion:146 Resp: 209784
Ion Ratio Lower Upper
146 100
111 44.7 31.6 58.6
148 63.4 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 47.581 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

Tgt Ion:146 Resp: 213931
Ion Ratio Lower Upper
146 100
111 43.2 29.9 55.5
148 62.8 44.7 82.9

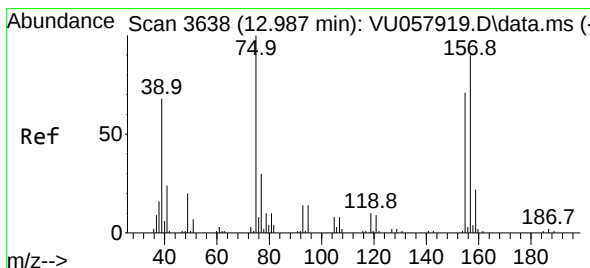
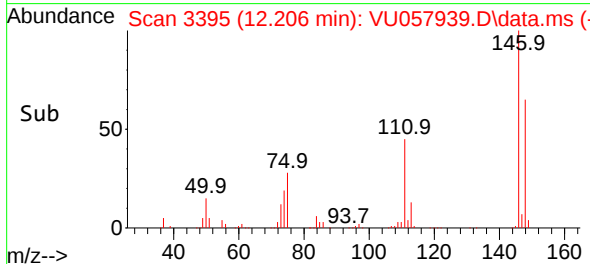
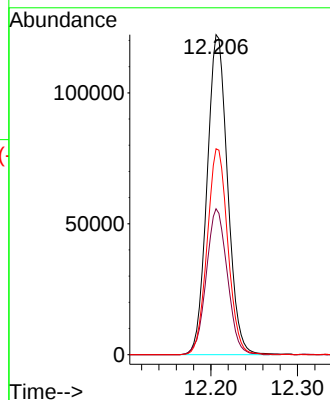
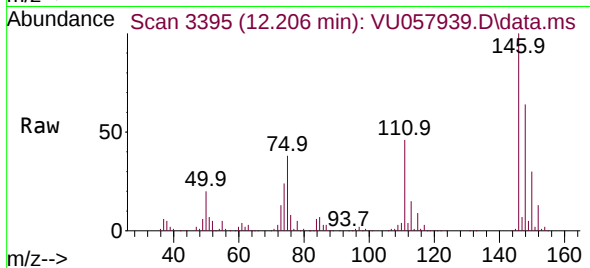




#67
1,2-Dichlorobenzene
Concen: 46.348 ug/L
RT: 12.206 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

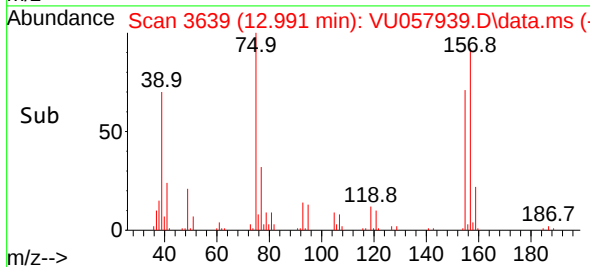
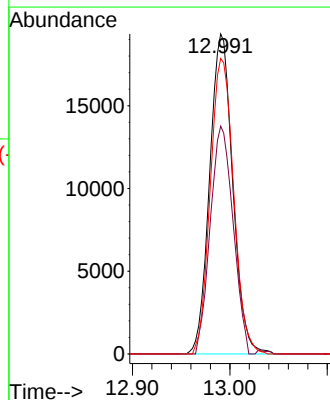
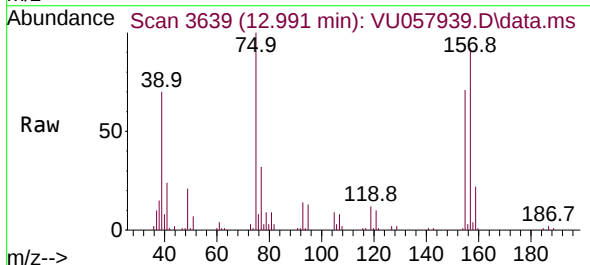
Instrument :
MSVOA_U
ClientSampleId :

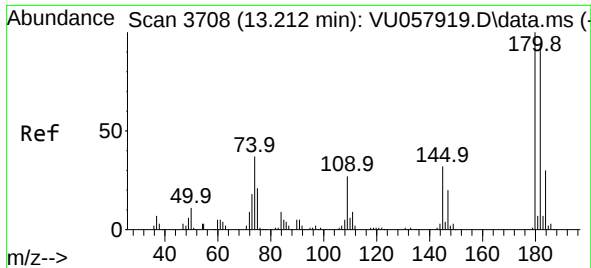
Tgt Ion:146 Resp: 201250
Ion Ratio Lower Upper
146 100
111 45.6 37.3 55.9
148 64.4 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 45.157 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VU057939.D
Acq: 23 Feb 2024 09:32

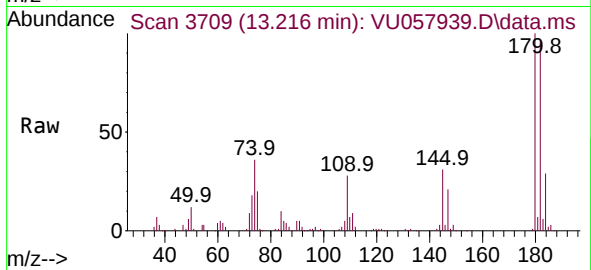
Tgt Ion: 75 Resp: 31728
Ion Ratio Lower Upper
75 100
155 69.1 63.2 94.8
157 89.0 74.6 112.0



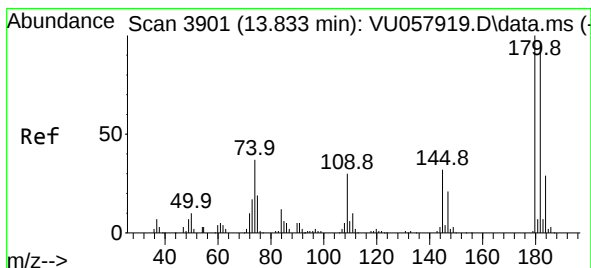
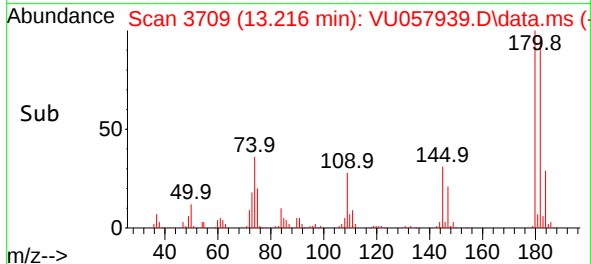
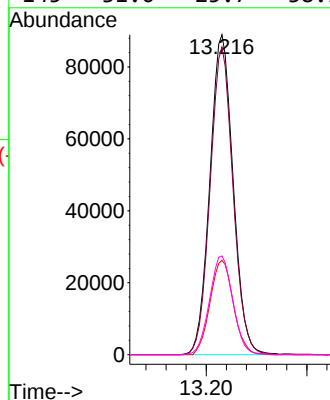


#69
 1,3,5-Trichlorobenzene
 Concen: 48.034 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU057939.D
 Acq: 23 Feb 2024 09:32

Instrument :
 MSVOA_U
 ClientSampleId :

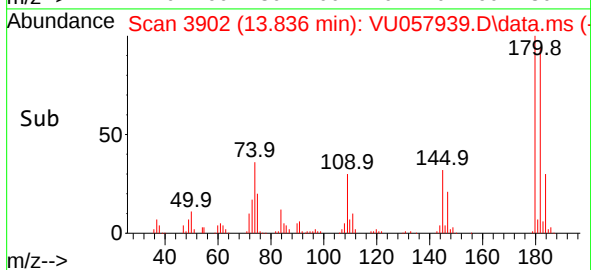
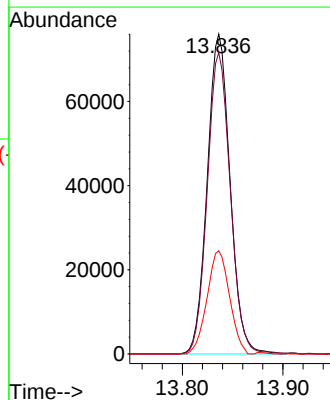
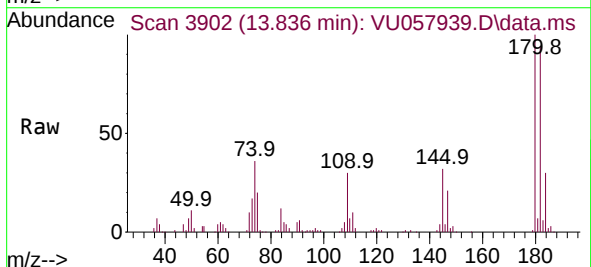


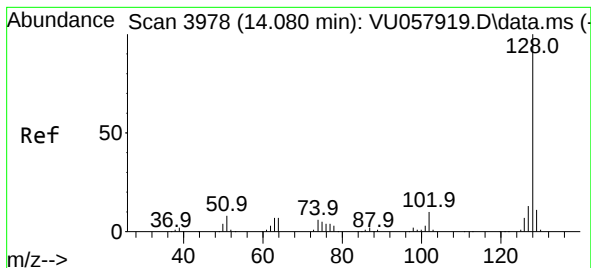
Tgt Ion:180 Resp: 142590
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.6 116.4
 184 29.5 24.1 36.1
 145 31.0 25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 50.200 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.003 min
 Lab File: VU057939.D
 Acq: 23 Feb 2024 09:32

Tgt Ion:180 Resp: 119982
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.8 113.6
 145 31.8 25.9 38.9





#71

Naphthalene

Concen: 46.405 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Instrument :

MSVOA_U

ClientSampleId :

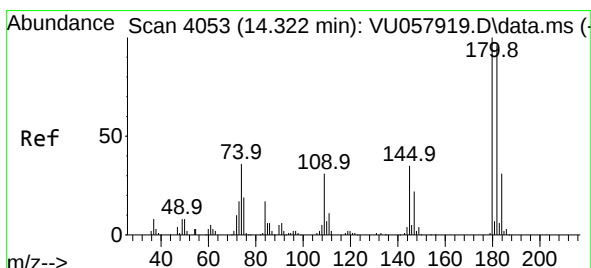
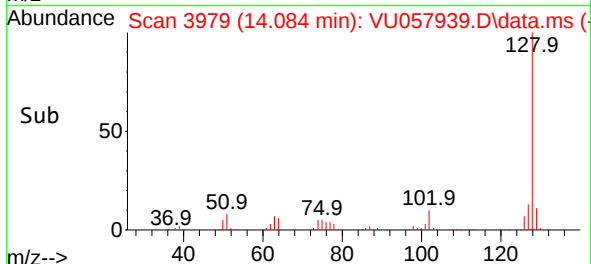
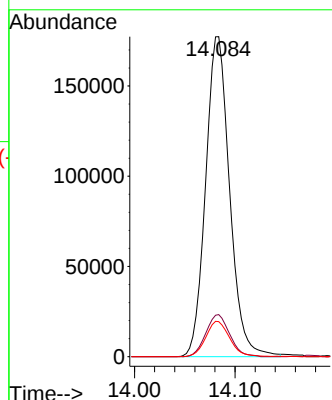
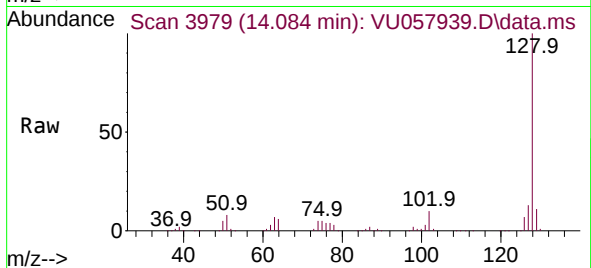
Tgt Ion:128 Resp: 294532

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 48.825 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU057939.D

Acq: 23 Feb 2024 09:32

Tgt Ion:180 Resp: 107185

Ion Ratio Lower Upper

180 100

182 96.1 75.4 113.2

145 34.1 27.8 41.8

