

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056299.D
 Acq On : 14 Nov 2023 11:44
 Operator : MD/SY
 Sample : 05333-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 00:40:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 15 00:09:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	324707	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	307853	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	156153	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	99421	4.094	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.908	69	86053	4.621	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.564	65	46869	4.373	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.618	46	214306	44.252	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.500%
24) Chloroform-d	5.055	84	213436	4.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.695	65	98371	4.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.721	84	415049	4.525	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.686	67	123583	4.471	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.891	98	369080	4.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.174	79	49906	4.707	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.628	63	196620	47.192	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.380%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	93742	4.746	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	125587	4.354	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	139020	5.404	ug/L	99
3) Chloromethane	1.515	50	127356	4.844	ug/L	98
5) Vinyl chloride	1.602	62	130553	5.154	ug/L	100
6) Bromomethane	1.853	94	59029	4.604	ug/L	90
8) Chloroethane	1.927	64	88839	5.741	ug/L	99
9) Trichlorofluoromethane	2.136	101	204584	5.605	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	117716	5.432	ug/L	99
12) 1,1-Dichloroethene	2.576	96	108784	5.473	ug/L	90
13) Acetone	2.625	43	132159	32.041	ug/L	100
14) Carbon disulfide	2.789	76	341728	5.283	ug/L	99
15) Methyl Acetate	2.946	43	37418	5.098	ug/L	98
16) Methylene chloride	3.039	84	117378	4.462	ug/L	98
17) Methyl tert-butyl Ether	3.355	73	256877	5.319	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	111540	5.454	ug/L	98
19) 1,1-Dichloroethane	3.863	63	218585	5.396	ug/L	98
21) 2-Butanone	4.699	43	233669	43.659	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	126572	5.457	ug/L	98
23) Bromochloromethane	4.969	128	52571	5.507	ug/L	93
25) Chloroform	5.081	83	227450	5.182	ug/L	99

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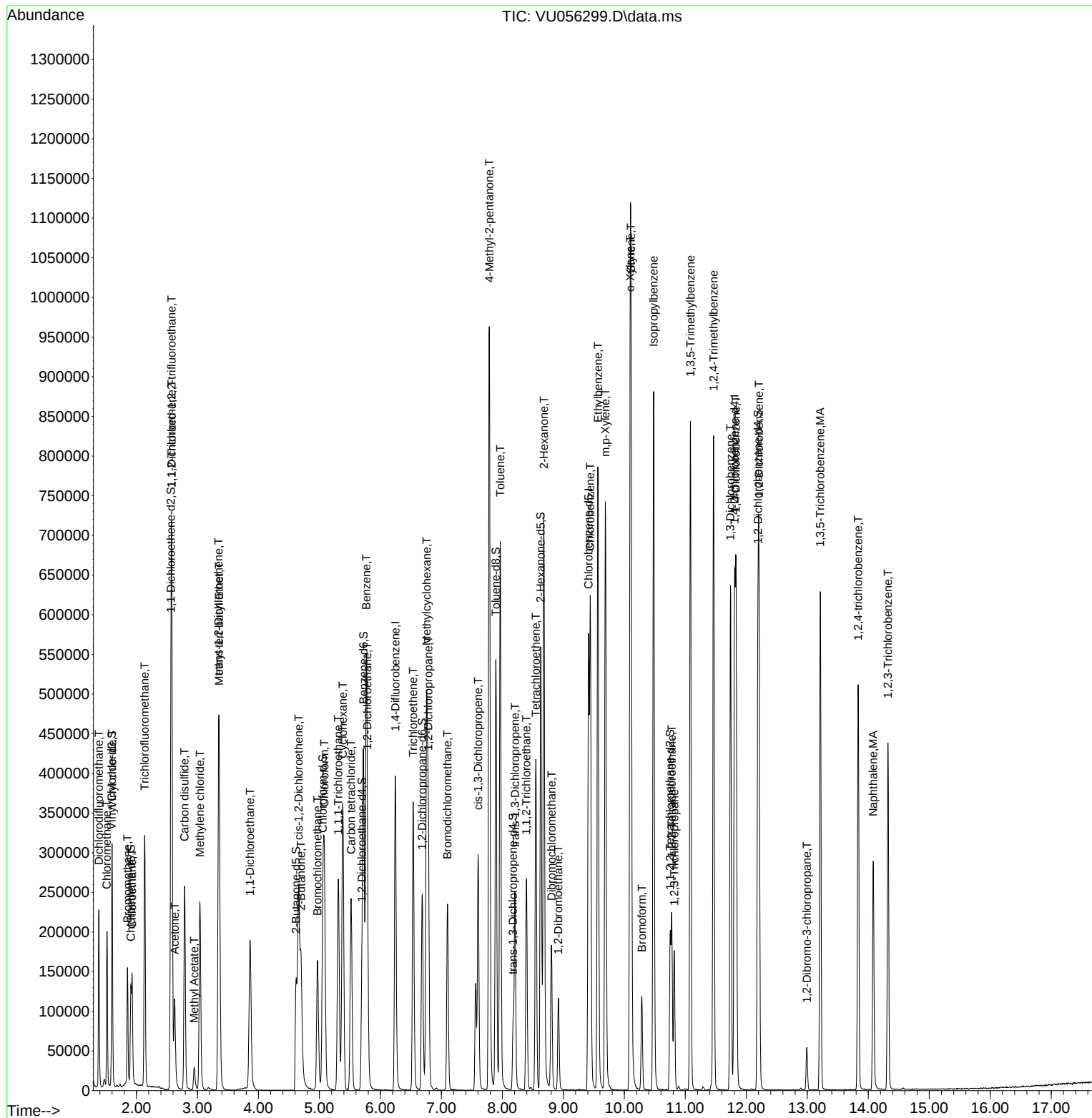
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	136126	5.462	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	198291	5.611	ug/L	99
30) Cyclohexane	5.383	56	185469	5.530	ug/L	99
31) Carbon tetrachloride	5.518	117	171603	5.654	ug/L	98
33) Benzene	5.769	78	486676	5.541	ug/L	100
34) Trichloroethene	6.538	95	129668	5.418	ug/L	98
35) Methylcyclohexane	6.760	83	195156	5.648	ug/L	98
37) 1,2-Dichloropropane	6.785	63	127619	5.571	ug/L	99
38) Bromodichloromethane	7.100	83	158974	5.376	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	183726	5.458	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	610482	53.762	ug/L	98
42) Toluene	7.965	91	511890	5.629	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	149648	5.577	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	85382	5.597	ug/L	97
47) Tetrachloroethene	8.550	164	89466	5.544	ug/L	98
48) 2-Hexanone	8.679	43	449015	50.757	ug/L	99
49) Dibromochloromethane	8.804	129	94473	5.446	ug/L	98
50) 1,2-Dibromoethane	8.917	107	79060	5.489	ug/L	100
51) Chlorobenzene	9.441	112	319552	5.468	ug/L	98
52) Ethylbenzene	9.567	91	573629	5.680	ug/L	99
53) m,p-Xylene	9.689	106	215104	5.794	ug/L	98
54) o-Xylene	10.097	106	206286	5.720	ug/L	99
55) Styrene	10.110	104	356170	5.938	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	106243	5.703	ug/L	95
59) Bromoform	10.287	173	52272	5.374	ug/L	99
60) Isopropylbenzene	10.480	105	582734	5.787	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	73134	5.458	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	461248	5.578	ug/L	100
63) 1,2,4-Trimethylbenzene	11.464	105	467472	5.728	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	252628	5.515	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	245989	5.353	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	228961	5.448	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	14856	5.191	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	187343	5.432	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	151325	5.387	ug/L	99
71) Naphthalene	14.081	128	231015	5.443	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	125905	5.441	ug/L	99

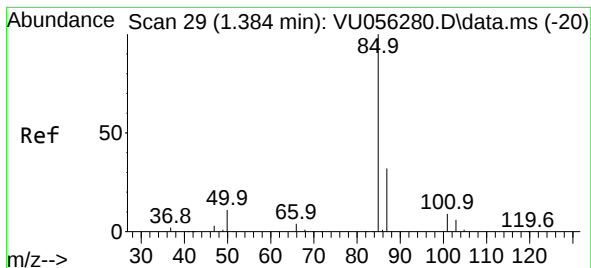
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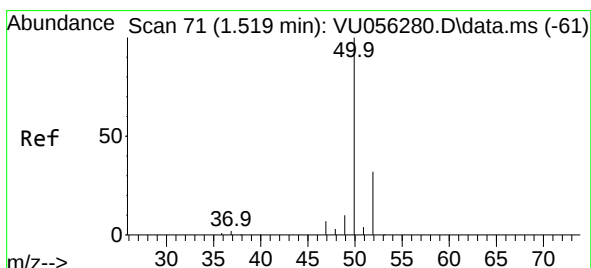
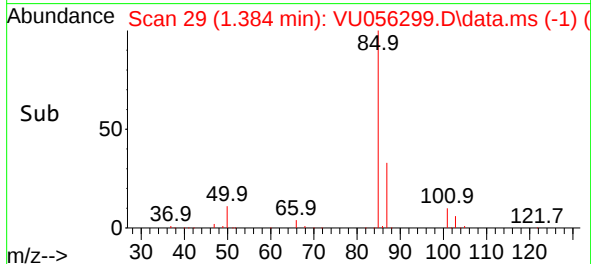
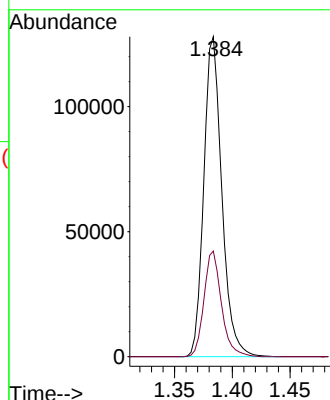
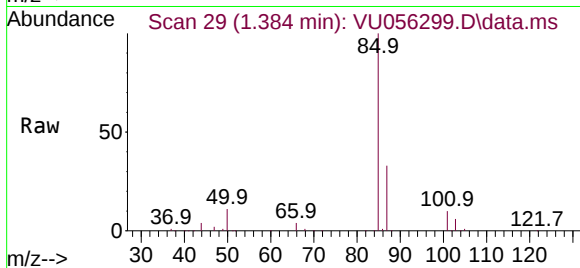




#2
 Dichlorodifluoromethane
 Concen: 5.404 ug/L
 RT: 1.384 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

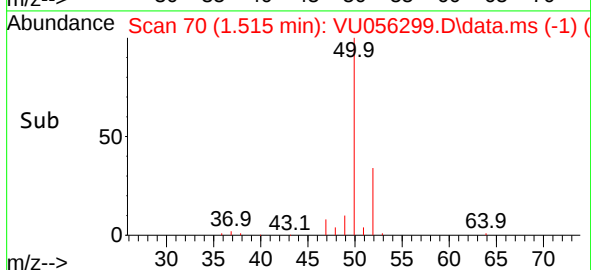
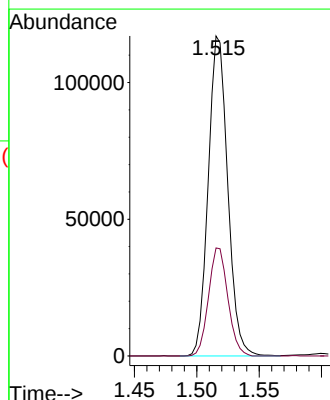
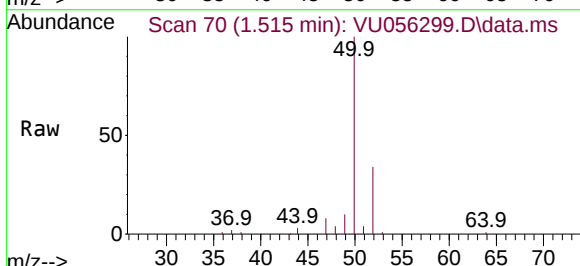
Instrument :
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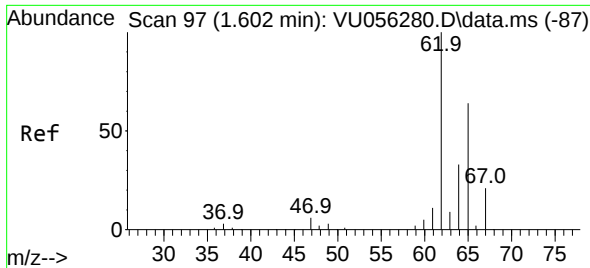
Tgt Ion: 85 Resp: 139020
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.0 37.4



#3
 Chloromethane
 Concen: 4.844 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

Tgt Ion: 50 Resp: 127356
 Ion Ratio Lower Upper
 50 100
 52 33.8 24.3 45.1

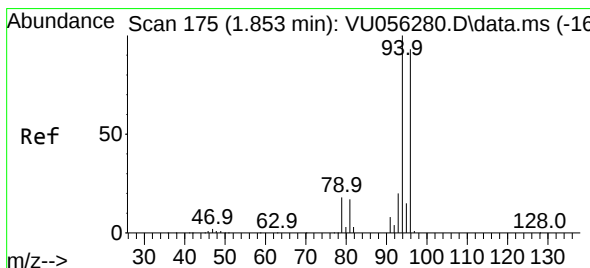
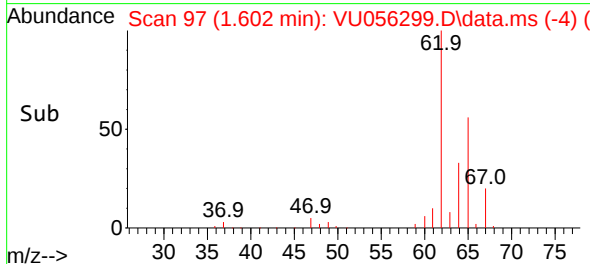
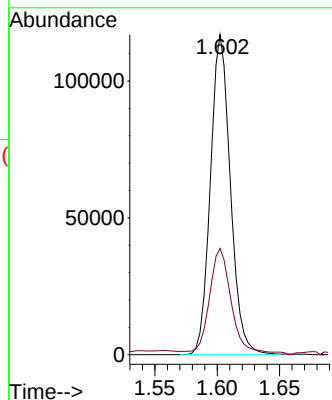
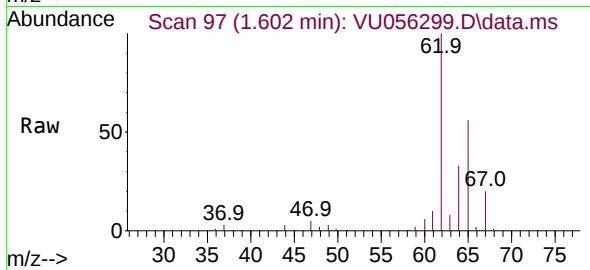




#5
 Vinyl chloride
 Concen: 5.154 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

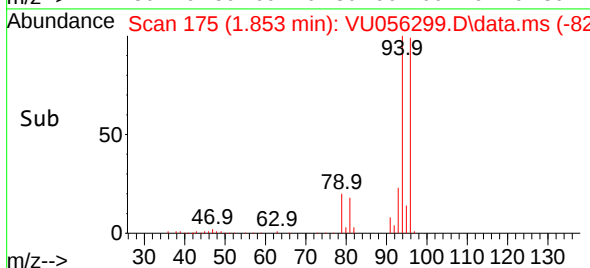
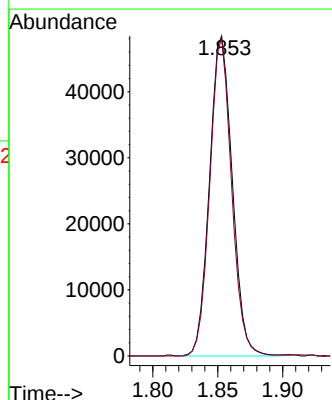
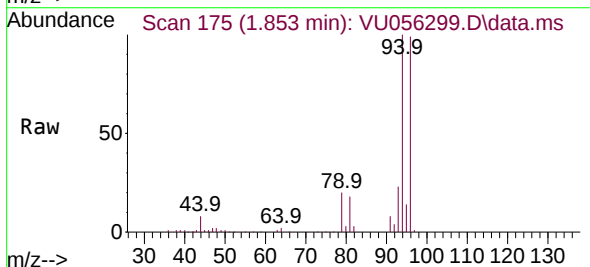
Instrument :
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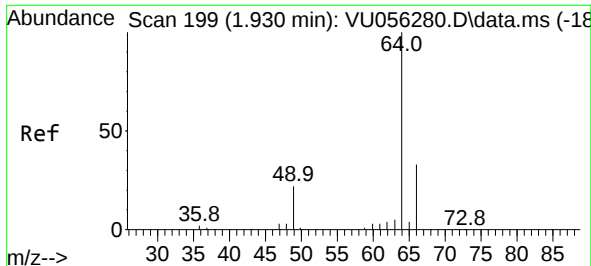
Tgt Ion: 62 Resp: 130553
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.3 43.3



#6
 Bromomethane
 Concen: 4.604 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

Tgt Ion: 94 Resp: 59029
 Ion Ratio Lower Upper
 94 100
 96 99.1 62.6 116.2

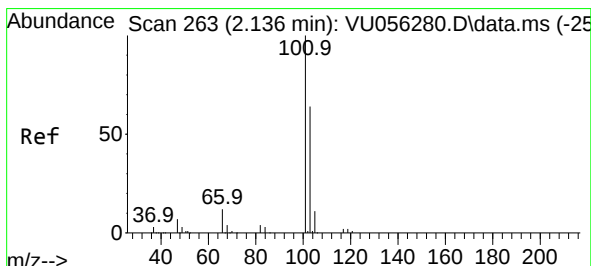
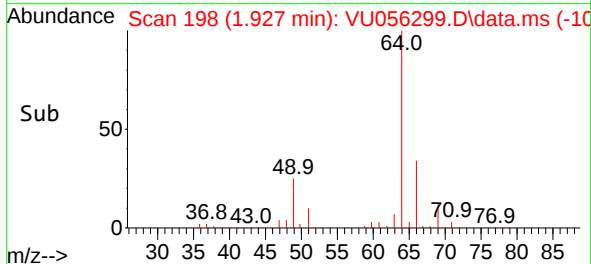
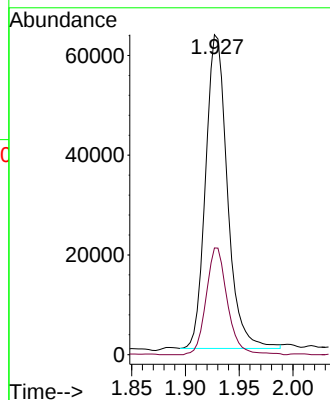
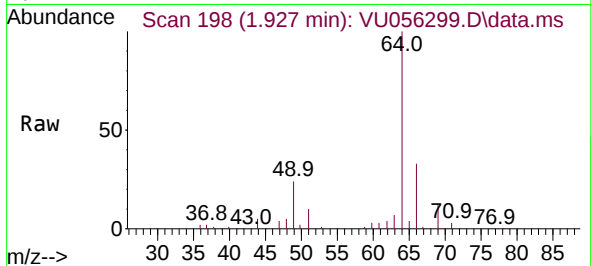




#8
Chloroethane
Concen: 5.741 ug/L
RT: 1.927 min Scan# 19
Delta R.T. -0.003 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

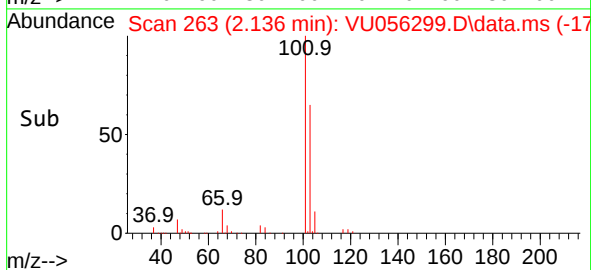
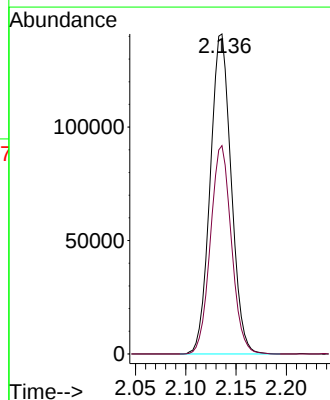
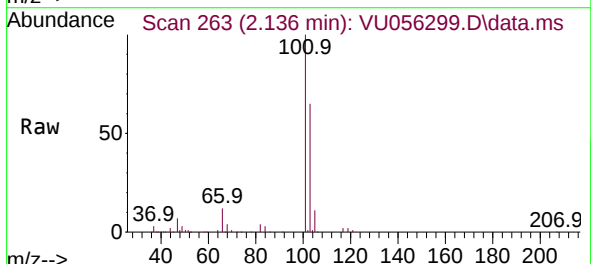
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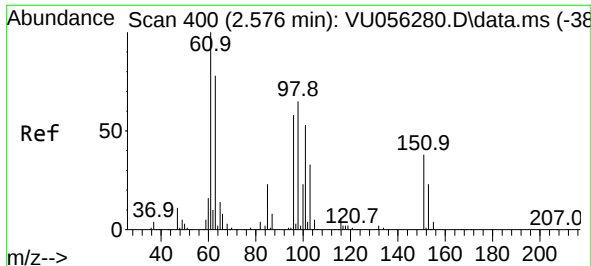
Tgt Ion: 64 Resp: 88839
Ion Ratio Lower Upper
64 100
66 33.4 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.605 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion:101 Resp: 204584
Ion Ratio Lower Upper
101 100
103 65.1 52.0 78.0

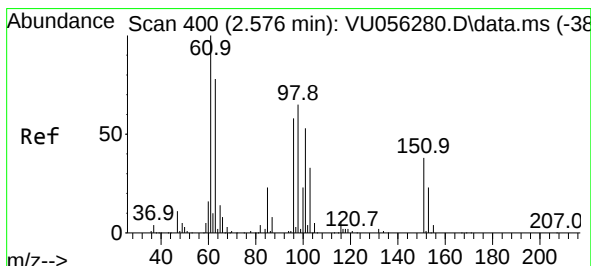
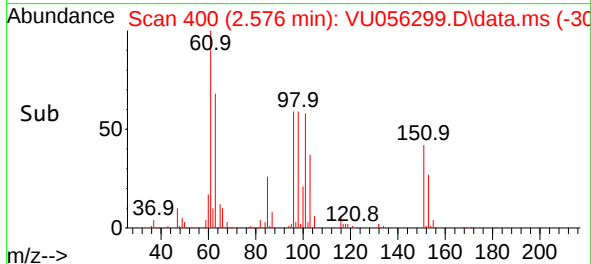
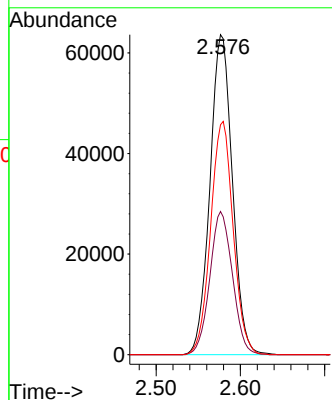
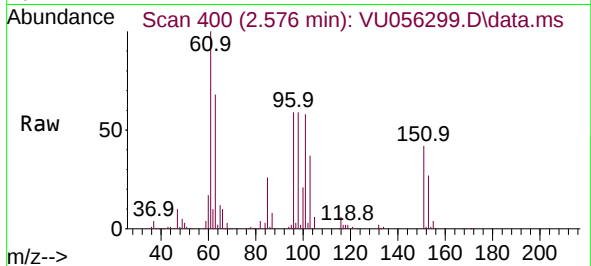




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.432 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

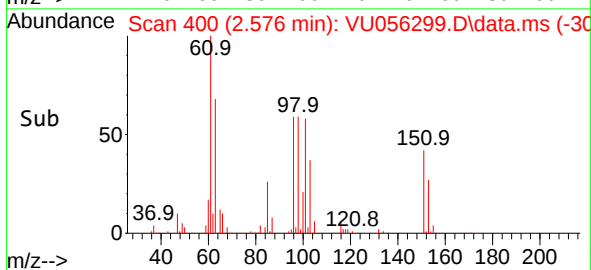
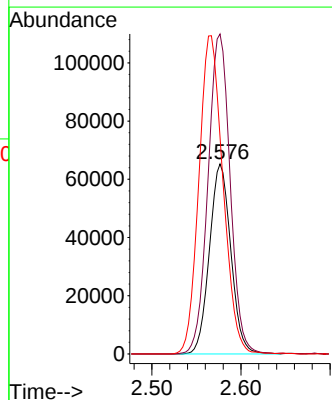
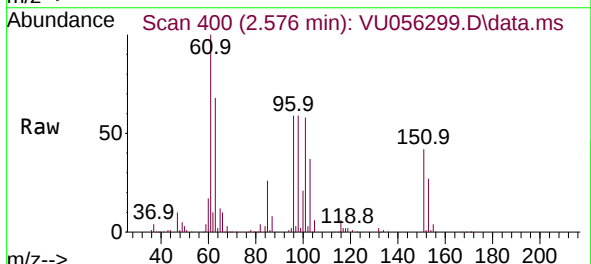
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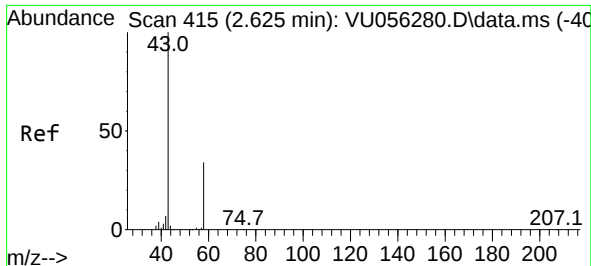
Tgt Ion:101 Resp: 117716
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.4 53.0
 151 73.3 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 5.473 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

Tgt Ion: 96 Resp: 108784
 Ion Ratio Lower Upper
 96 100
 61 168.4 123.1 228.7
 63 114.1 93.3 173.3





#13

Acetone

Concen: 32.041 ug/L

RT: 2.625 min Scan# 415

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

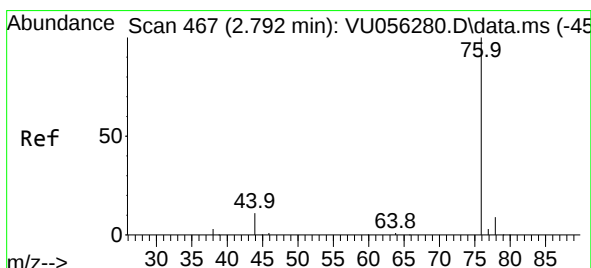
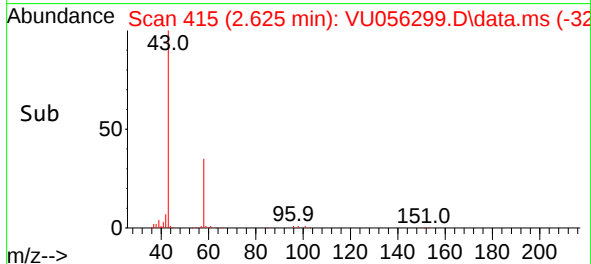
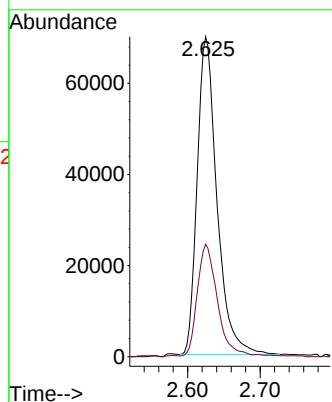
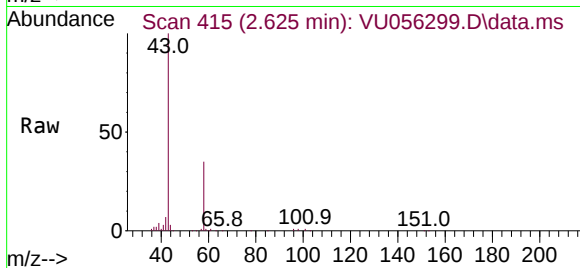
ClientSampleId :

Tgt Ion: 43 Resp: 132159

Ion Ratio Lower Upper

43 100

58 35.0 0.0 70.0



#14

Carbon disulfide

Concen: 5.283 ug/L

RT: 2.789 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU056299.D

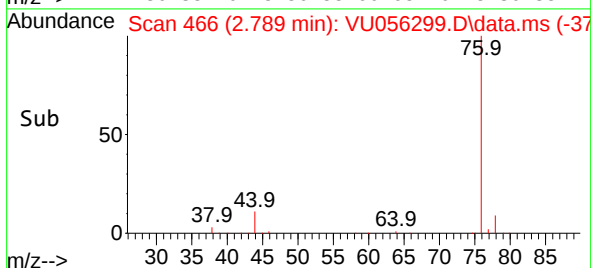
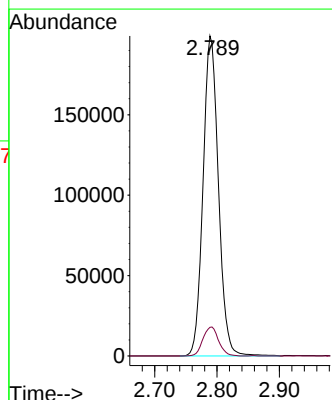
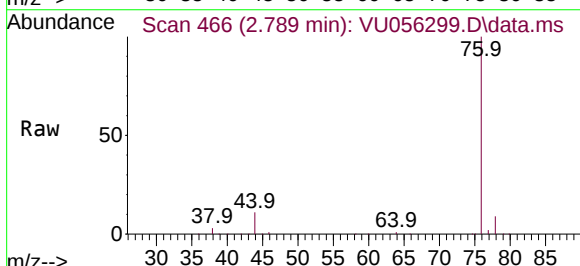
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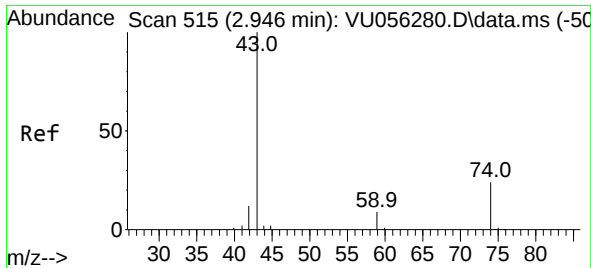
Tgt Ion: 76 Resp: 341728

Ion Ratio Lower Upper

76 100

78 8.9 6.8 10.2

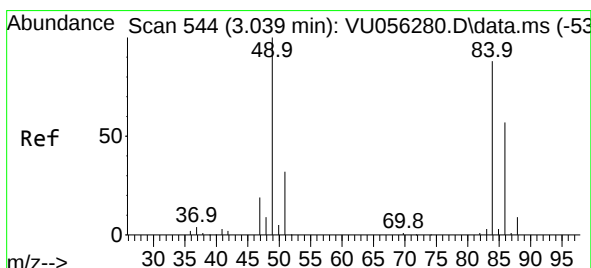
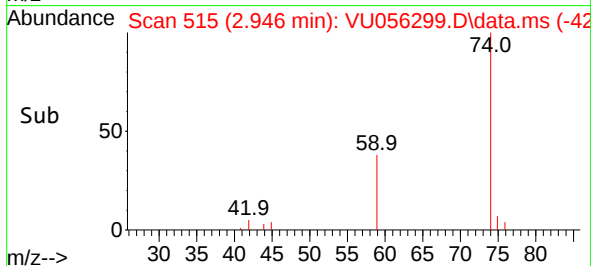
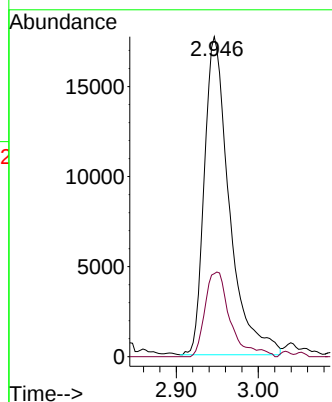
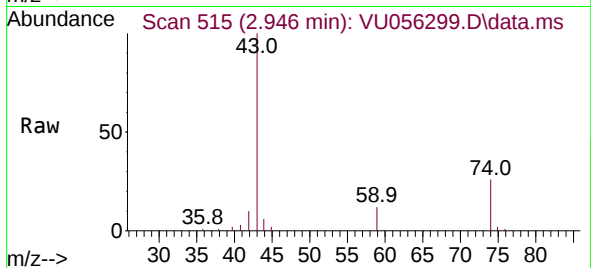




#15
Methyl Acetate
Concen: 5.098 ug/L
RT: 2.946 min Scan# 515
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

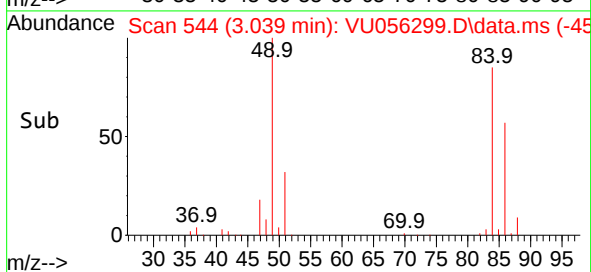
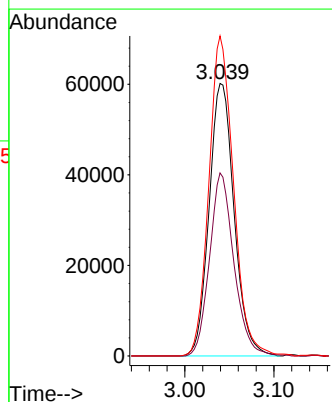
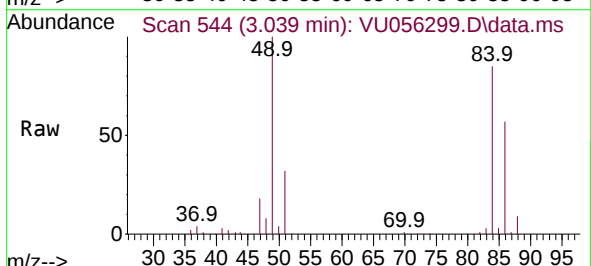
Instrument :
MSVOA_U
ClientSampleId :

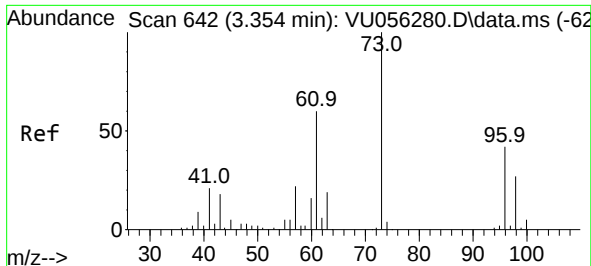
Tgt Ion: 43 Resp: 37418
Ion Ratio Lower Upper
43 100
74 26.8 20.6 31.0



#16
Methylene chloride
Concen: 4.462 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion: 84 Resp: 117378
Ion Ratio Lower Upper
84 100
86 67.2 44.7 83.1
49 117.4 81.8 152.0

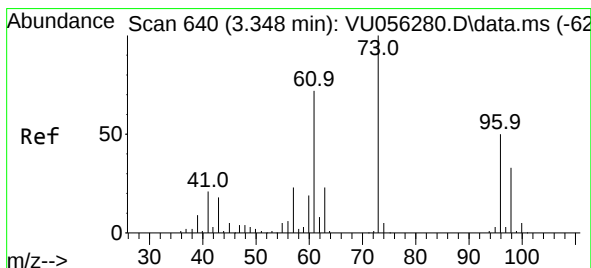
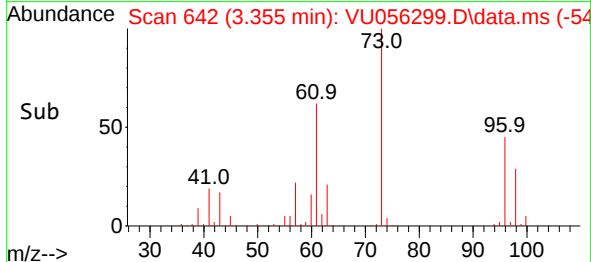
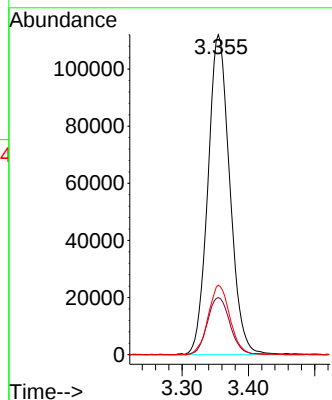
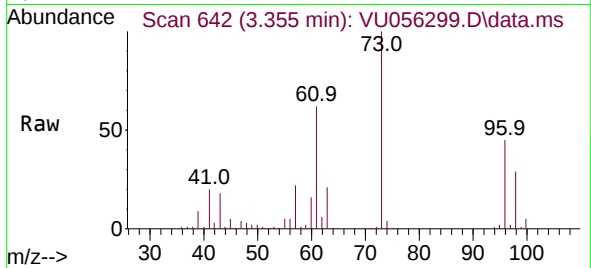




#17
Methyl tert-butyl Ether
Concen: 5.319 ug/L
RT: 3.355 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

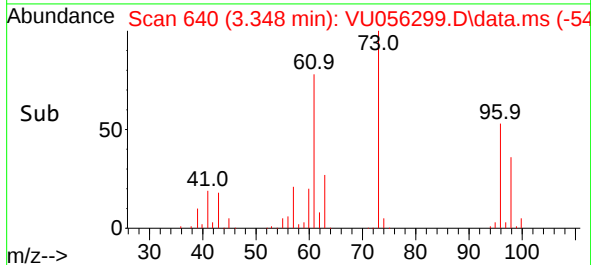
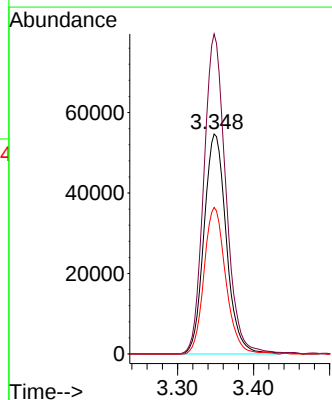
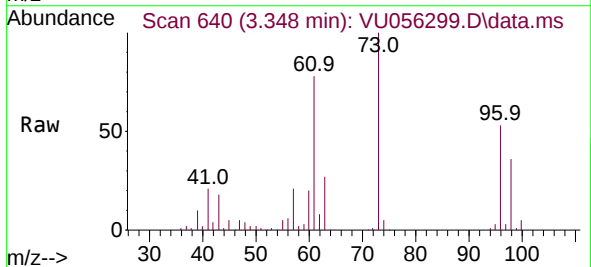
Instrument :
MSVOA_U
ClientSampleId :

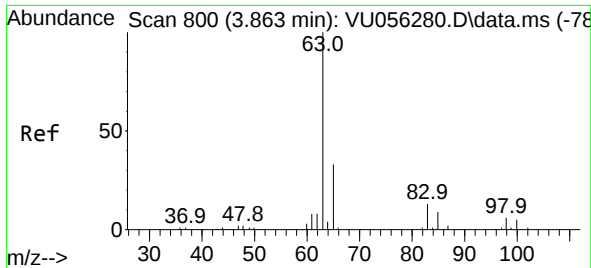
Tgt Ion: 73 Resp: 256877
Ion Ratio Lower Upper
73 100
43 18.4 15.1 22.7
57 21.5 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.454 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion: 96 Resp: 111540
Ion Ratio Lower Upper
96 100
61 145.4 101.7 188.9
98 66.6 43.0 80.0

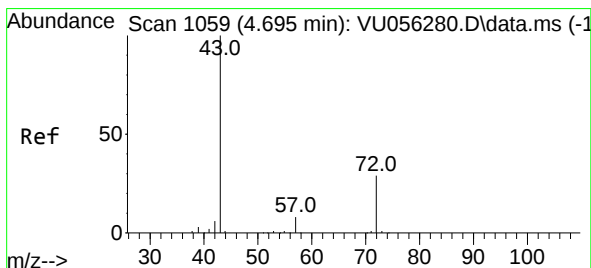
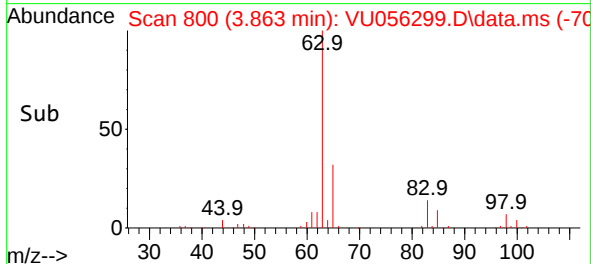
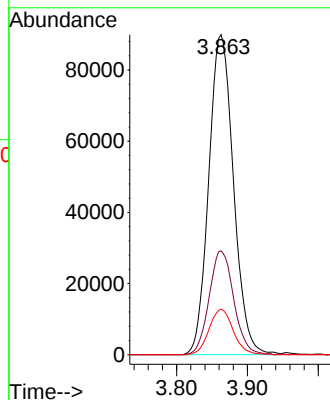
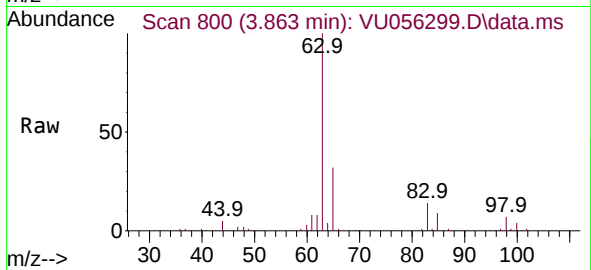




#19
1,1-Dichloroethane
Concen: 5.396 ug/L
RT: 3.863 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

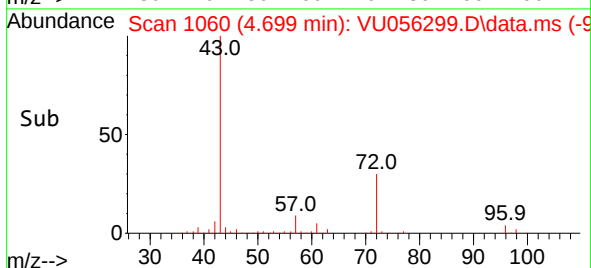
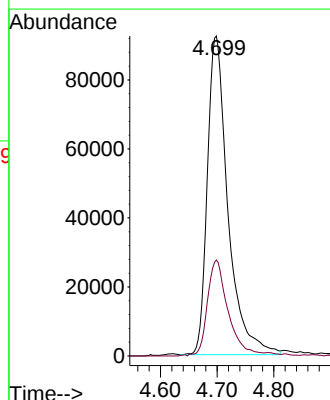
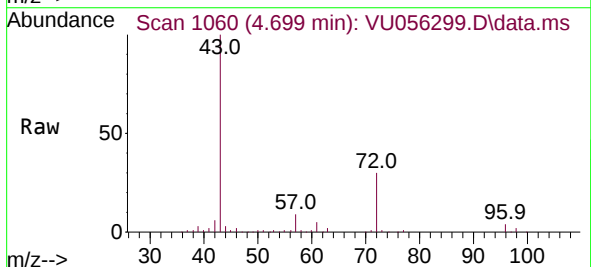
Instrument :
MSVOA_U
ClientSampleId :

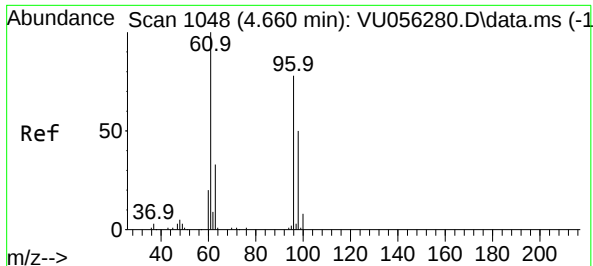
Tgt Ion: 63 Resp: 218585
Ion Ratio Lower Upper
63 100
65 32.4 21.8 40.6
83 14.2 9.7 17.9



#21
2-Butanone
Concen: 43.659 ug/L
RT: 4.699 min Scan# 1060
Delta R.T. 0.003 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

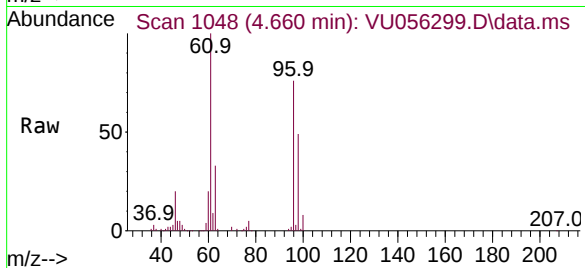
Tgt Ion: 43 Resp: 233669
Ion Ratio Lower Upper
43 100
72 30.0 14.2 42.6





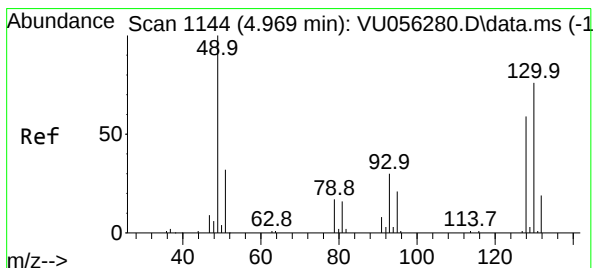
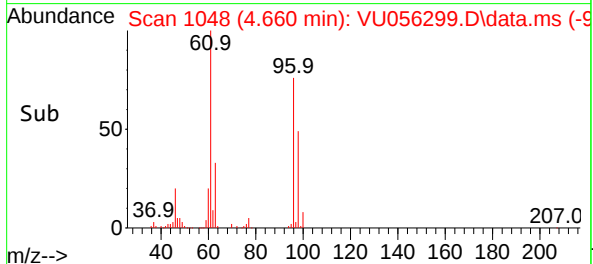
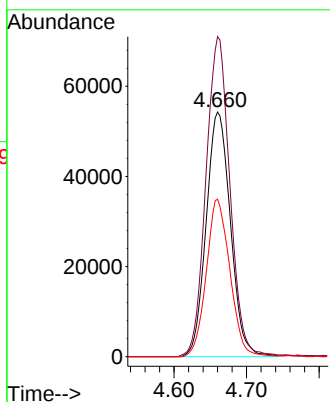
#22
 cis-1,2-Dichloroethene
 Concen: 5.457 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 126572

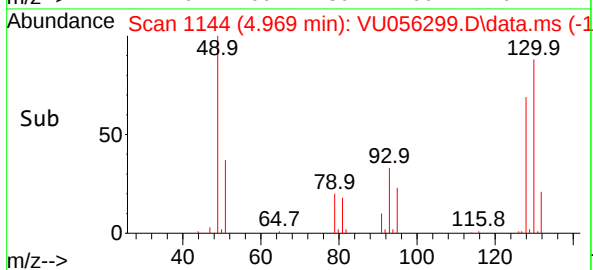
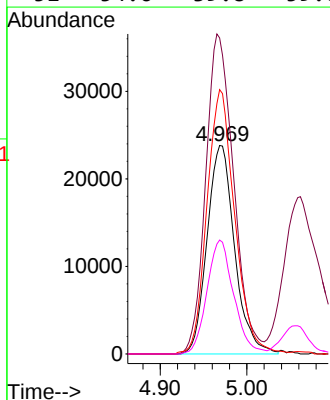
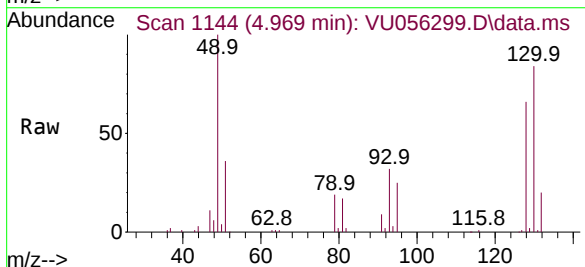
Ion	Ratio	Lower	Upper
96	100		
61	130.8	93.2	173.2
98	64.3	44.8	83.2

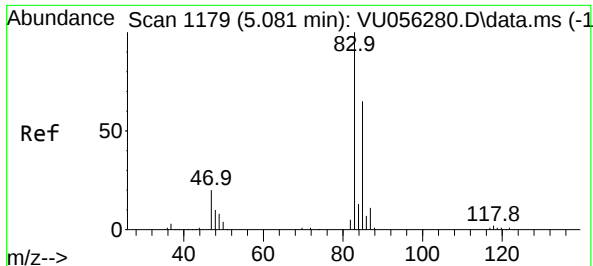


#23
 Bromochloromethane
 Concen: 5.507 ug/L
 RT: 4.969 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

Tgt Ion: 128 Resp: 52571

Ion	Ratio	Lower	Upper
128	100		
49	151.6	113.4	210.6
130	126.8	84.8	157.6
51	54.6	39.8	59.6





#25

Chloroform

Concen: 5.182 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

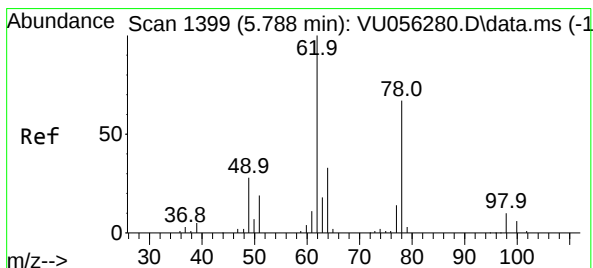
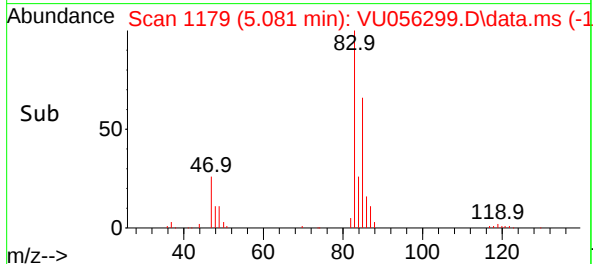
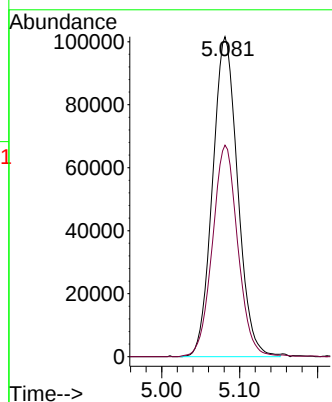
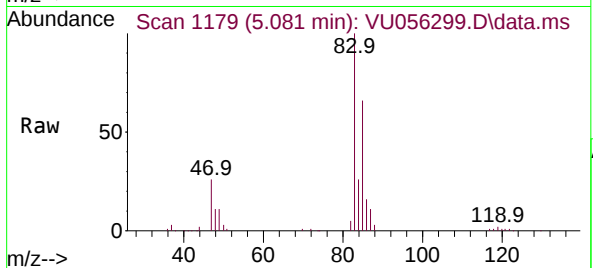
ClientSampleId :

Tgt Ion: 83 Resp: 227450

Ion Ratio Lower Upper

83 100

85 66.1 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.462 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU056299.D

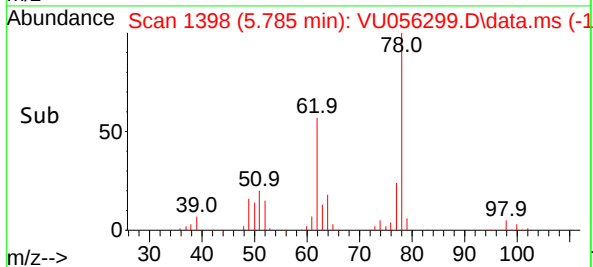
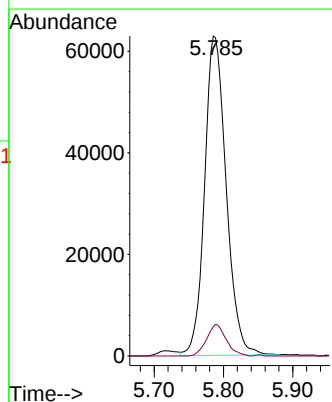
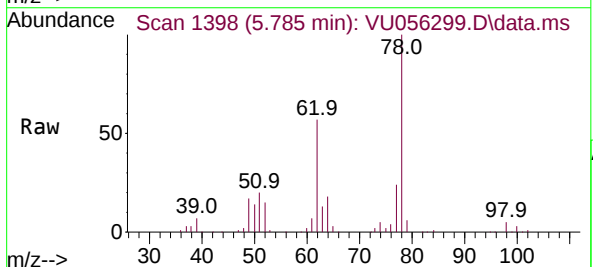
Acq: 14 Nov 2023 11:44

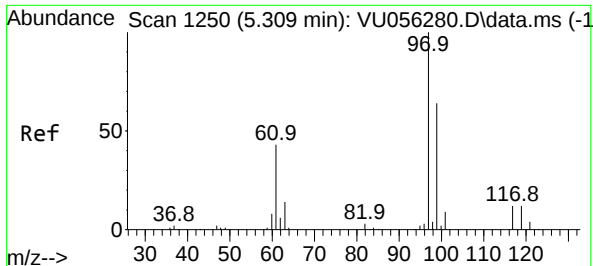
Tgt Ion: 62 Resp: 136126

Ion Ratio Lower Upper

62 100

98 9.2 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.611 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

ClientSampleId :

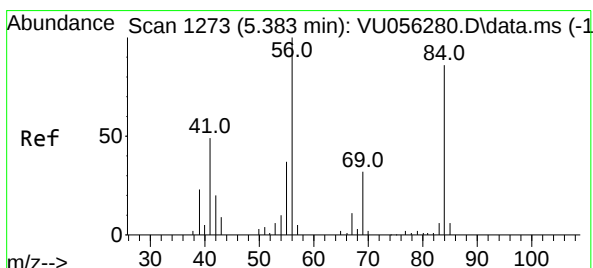
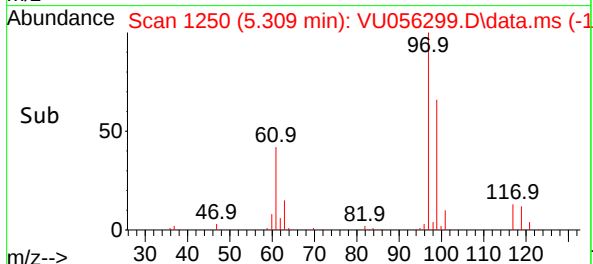
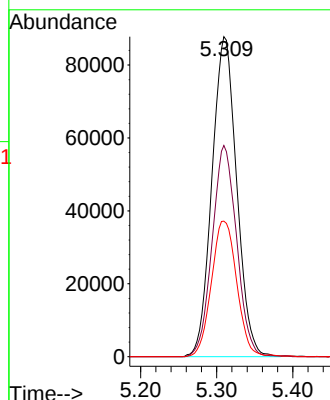
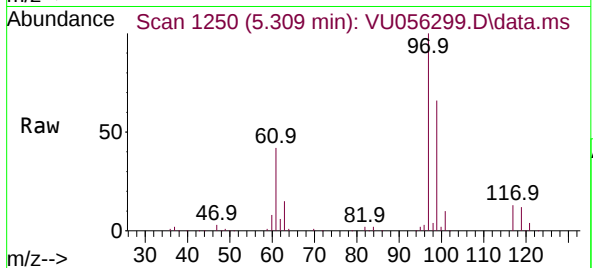
Tgt Ion: 97 Resp: 198291

Ion Ratio Lower Upper

97 100

99 65.3 51.6 77.4

61 43.2 34.3 51.5



#30

Cyclohexane

Concen: 5.530 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

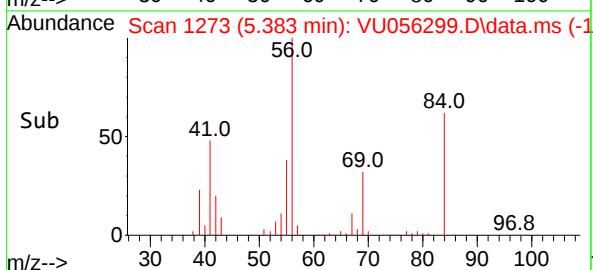
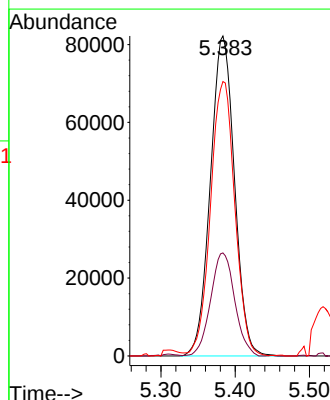
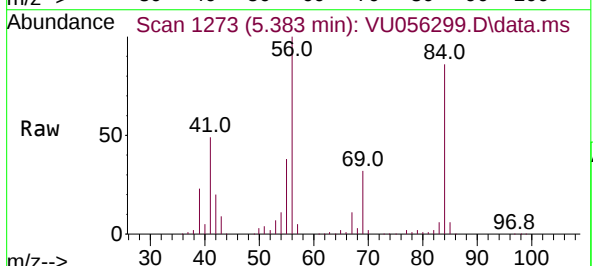
Tgt Ion: 56 Resp: 185469

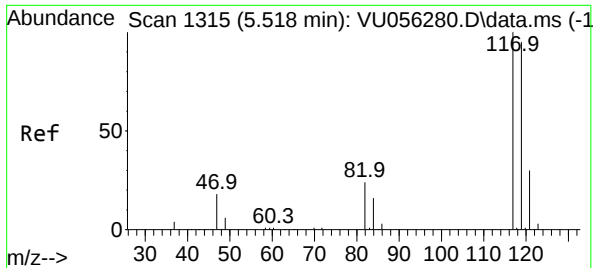
Ion Ratio Lower Upper

56 100

69 32.2 25.4 38.2

84 86.6 68.6 103.0

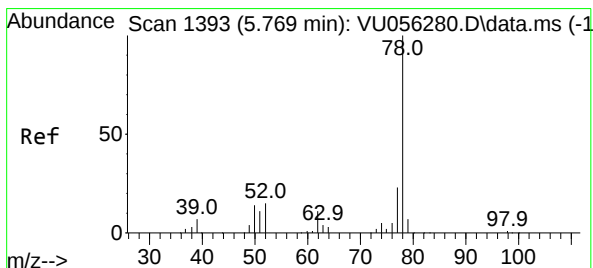
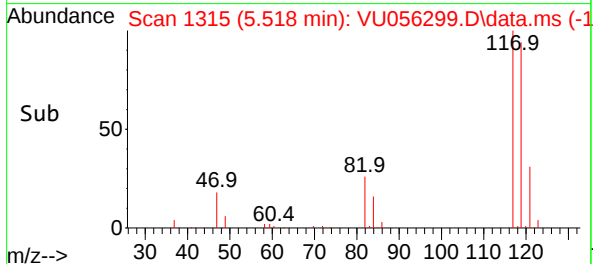
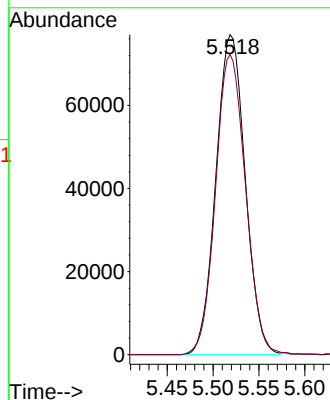
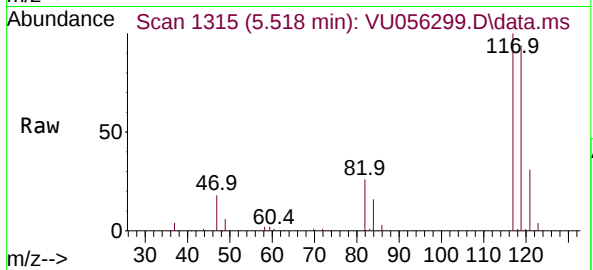




#31
Carbon tetrachloride
Concen: 5.654 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

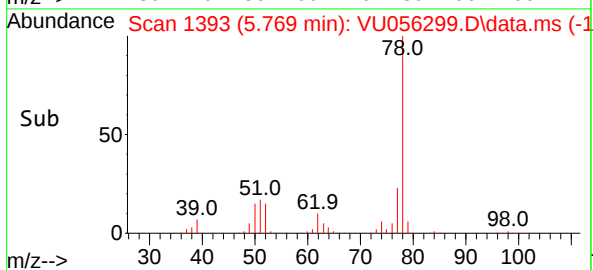
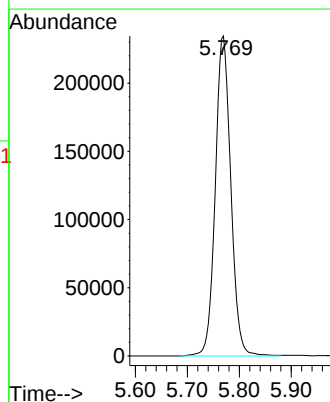
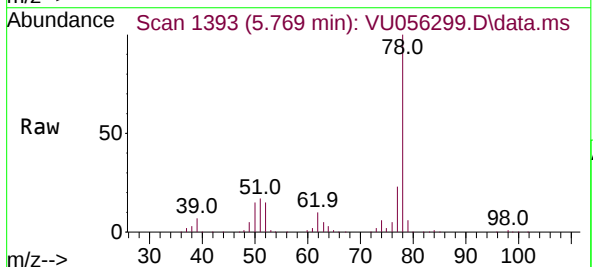
Instrument :
MSVOA_U
ClientSampleId :

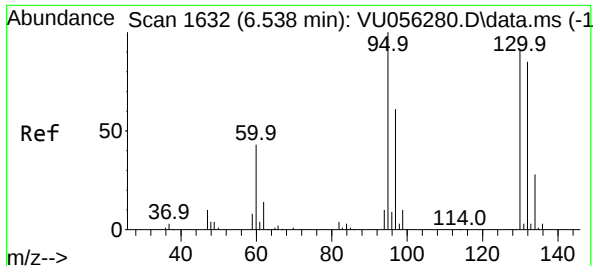
Tgt Ion:117 Resp: 171603
Ion Ratio Lower Upper
117 100
119 95.4 78.1 117.1



#33
Benzene
Concen: 5.541 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion: 78 Resp: 486676

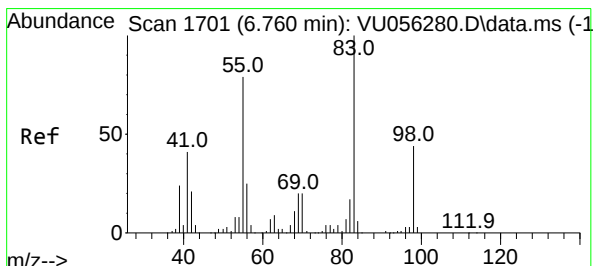
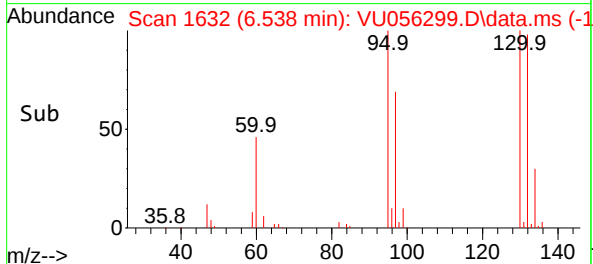
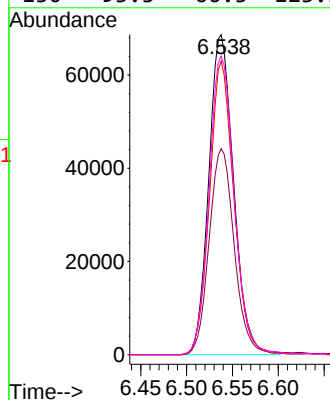
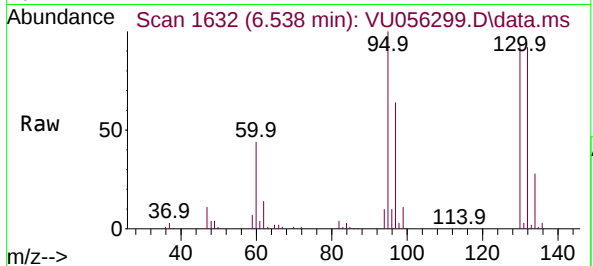




#34
Trichloroethene
Concen: 5.418 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

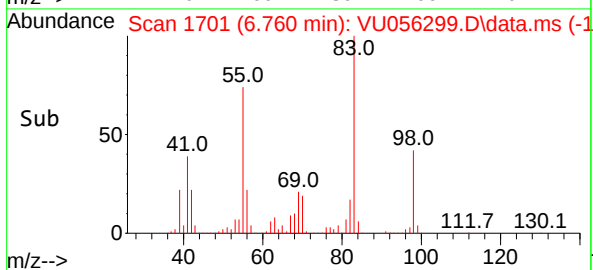
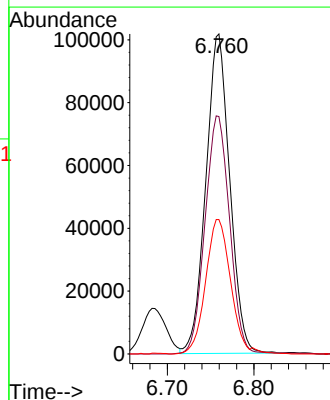
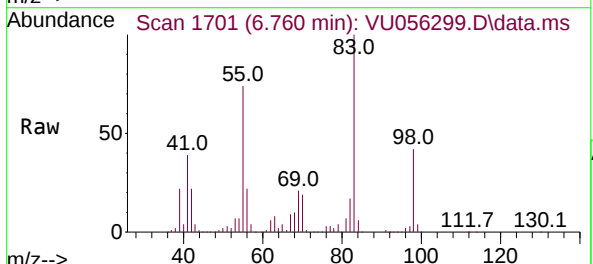
Instrument :
MSVOA_U
ClientSampleId :

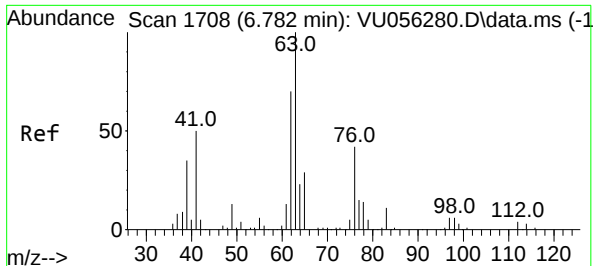
Tgt Ion: 95 Resp: 129668
Ion Ratio Lower Upper
95 100
97 64.4 46.5 86.3
132 91.7 62.0 115.2
130 93.3 66.3 123.1



#35
Methylcyclohexane
Concen: 5.648 ug/L
RT: 6.760 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion: 83 Resp: 195156
Ion Ratio Lower Upper
83 100
55 76.6 62.9 94.3
98 44.3 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.571 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

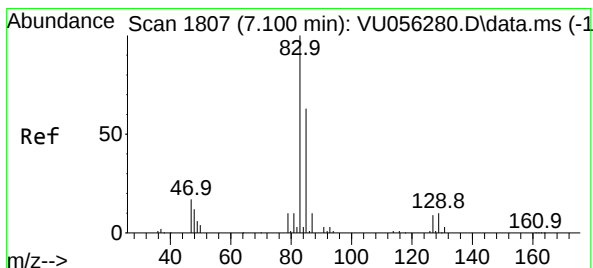
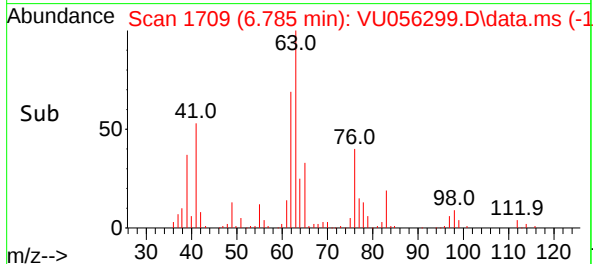
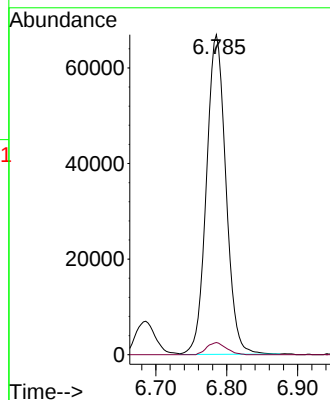
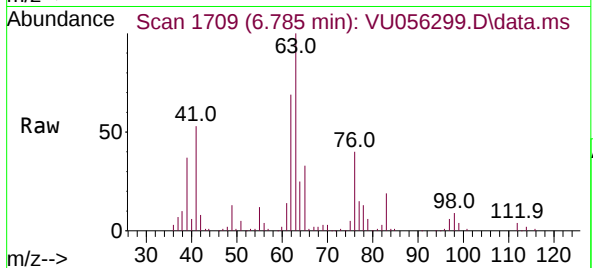
ClientSampleId :

Tgt Ion: 63 Resp: 127619

Ion Ratio Lower Upper

63 100

112 3.8 3.2 4.8



#38

Bromodichloromethane

Concen: 5.376 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

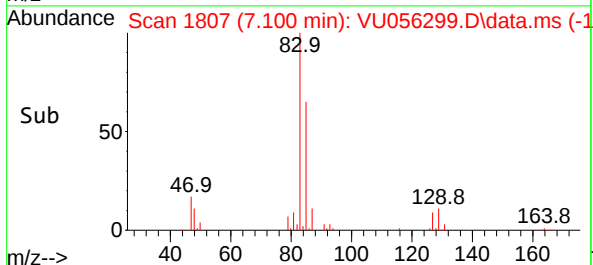
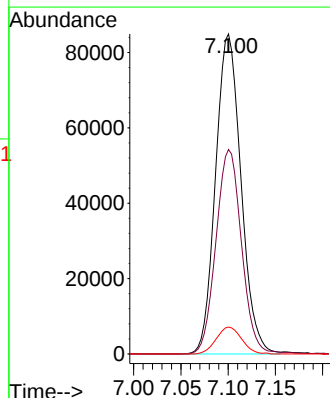
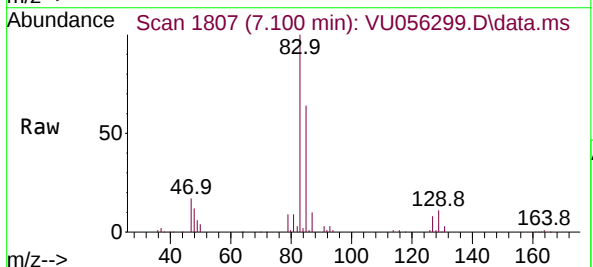
Tgt Ion: 83 Resp: 158974

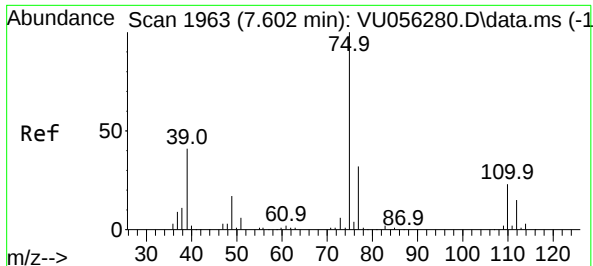
Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.5

127 8.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.458 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

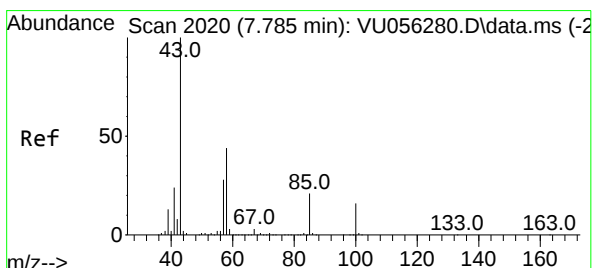
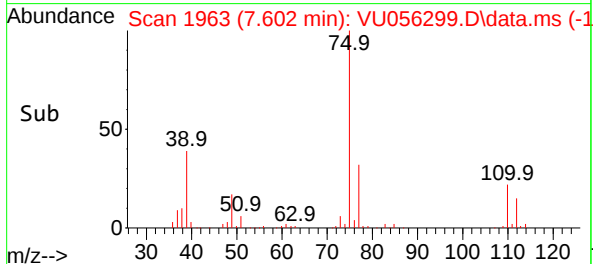
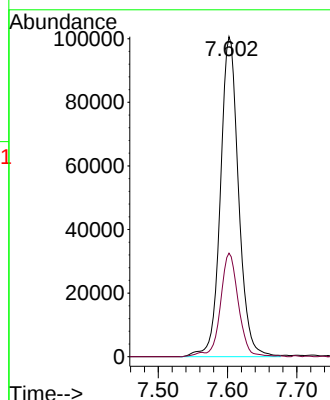
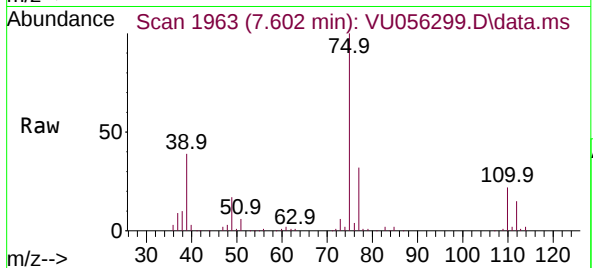
ClientSampleId :

Tgt Ion: 75 Resp: 183726

Ion Ratio Lower Upper

75 100

77 32.4 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 53.762 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

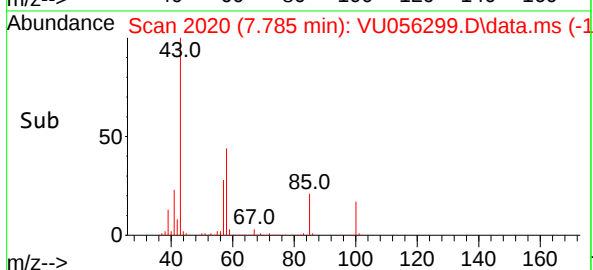
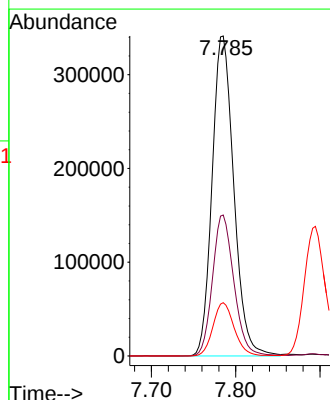
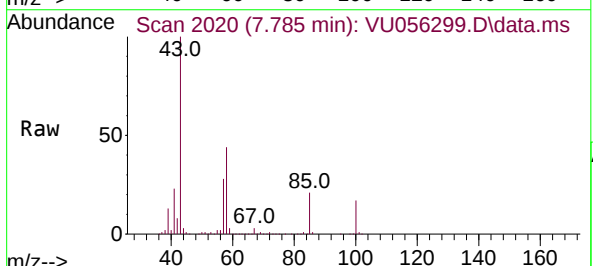
Tgt Ion: 43 Resp: 610482

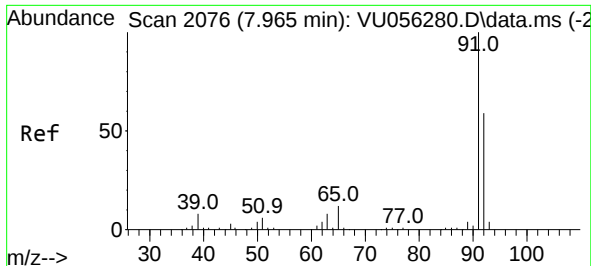
Ion Ratio Lower Upper

43 100

58 43.6 33.8 50.8

100 16.4 13.0 19.4





#42

Toluene

Concen: 5.629 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

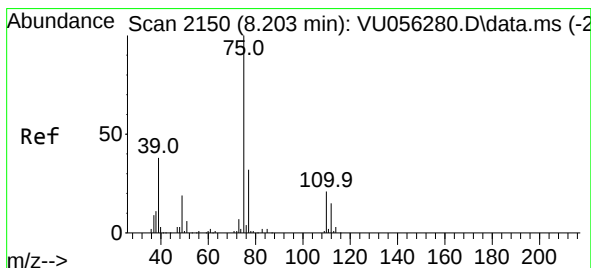
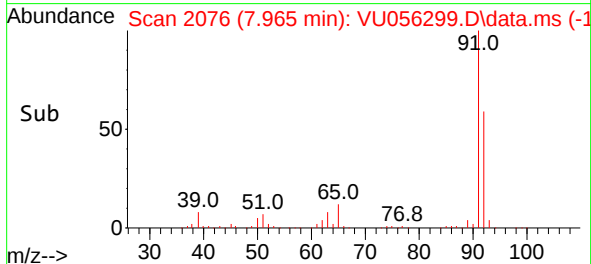
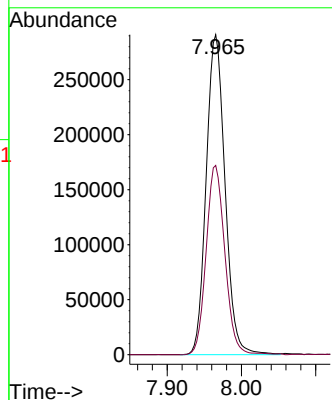
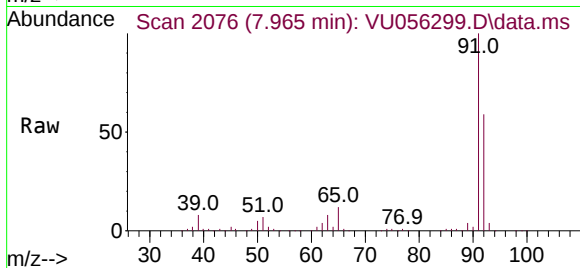
ClientSampleId :

Tgt Ion: 91 Resp: 511890

Ion Ratio Lower Upper

91 100

92 59.2 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.577 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU056299.D

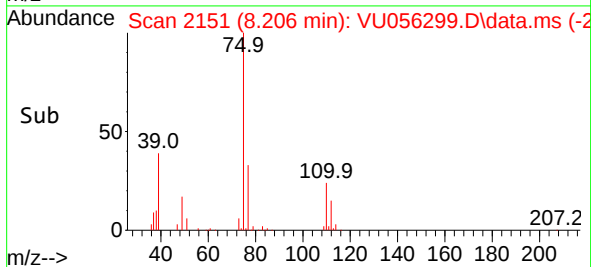
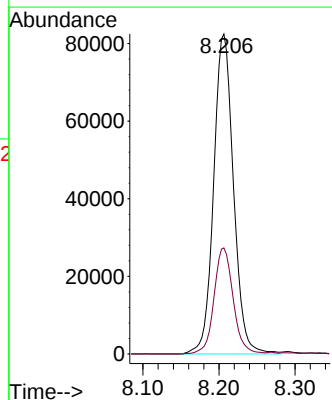
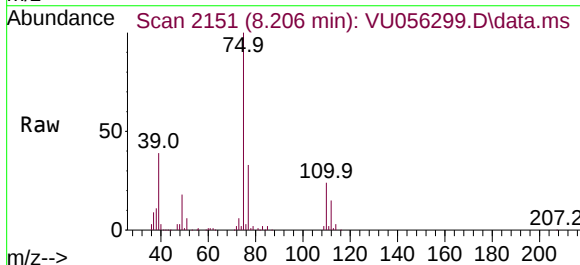
Acq: 14 Nov 2023 11:44

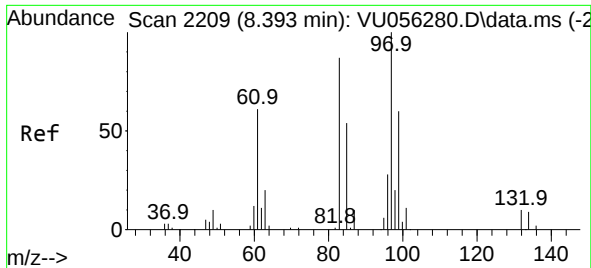
Tgt Ion: 75 Resp: 149648

Ion Ratio Lower Upper

75 100

77 33.1 22.8 42.4

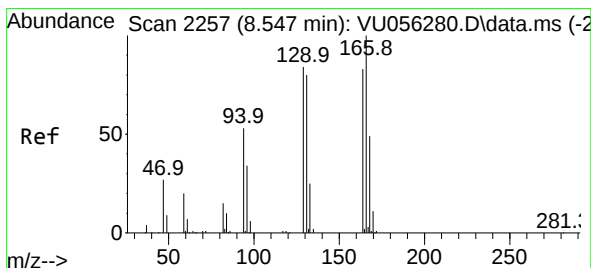
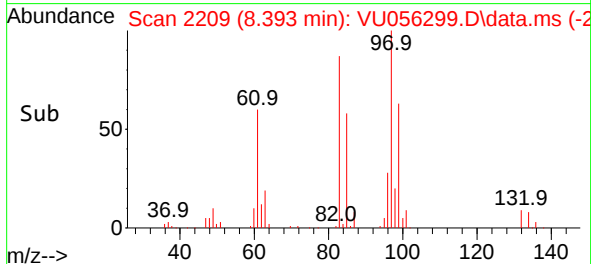
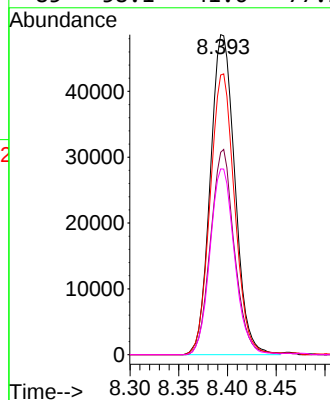
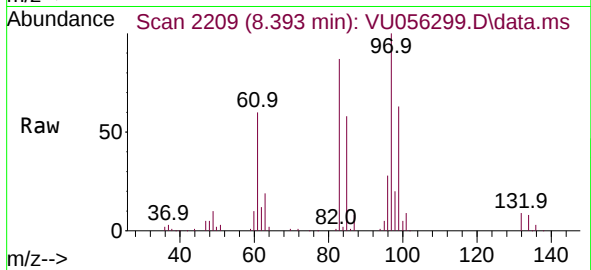




#45
1,1,2-Trichloroethane
Concen: 5.597 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

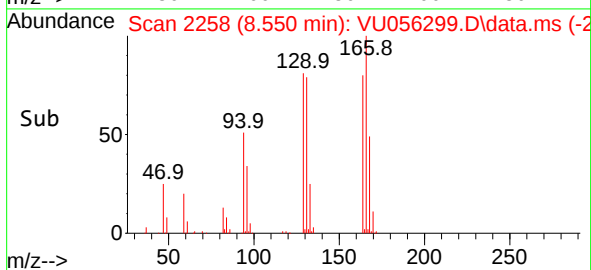
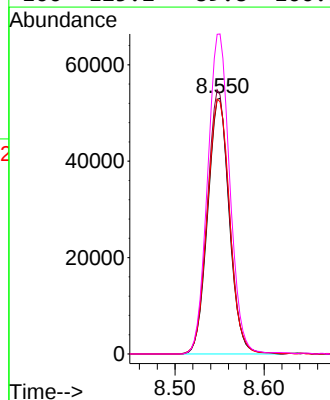
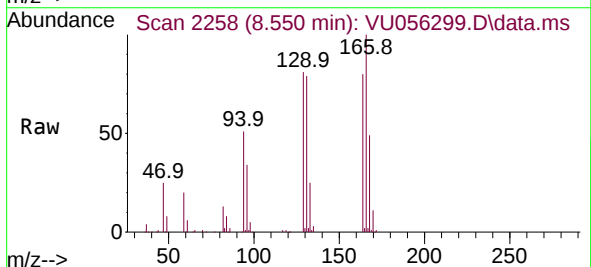
Instrument :
MSVOA_U
ClientSampleId :

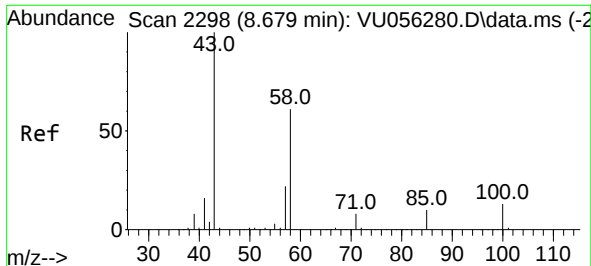
Tgt Ion:	97	Resp:	85382
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.3	82.3
83	87.4	65.4	121.4
85	58.1	41.6	77.3



#47
Tetrachloroethene
Concen: 5.544 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion:	164	Resp:	89466
Ion	Ratio	Lower	Upper
164	100		
129	101.3	71.0	131.9
131	98.6	70.3	130.7
166	125.2	89.8	166.8

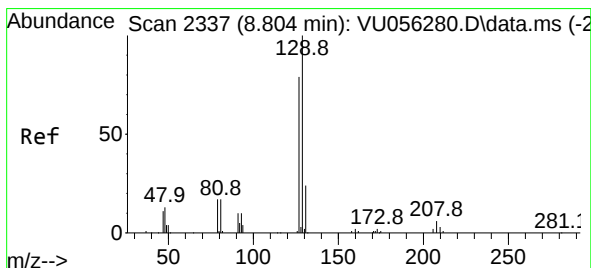
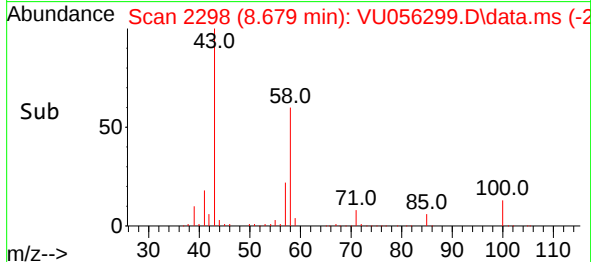
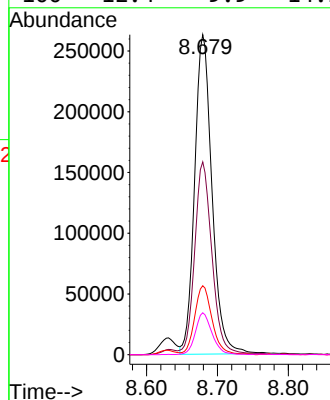
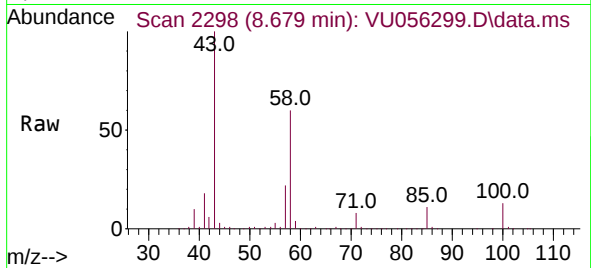




#48
2-Hexanone
Concen: 50.757 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

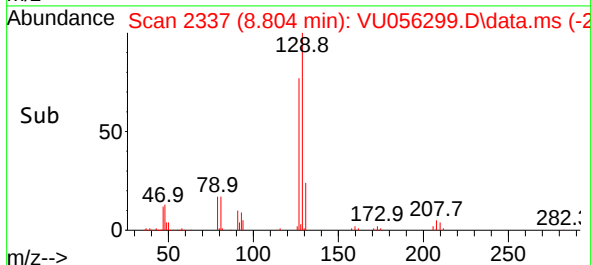
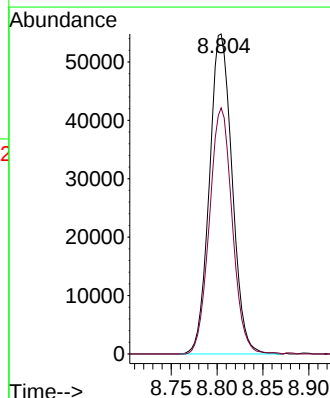
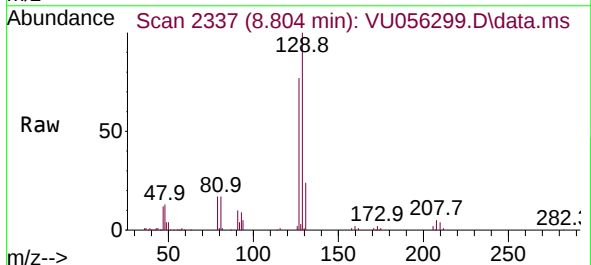
Instrument :
MSVOA_U
ClientSampleId :

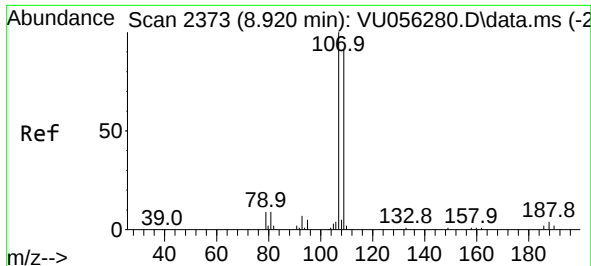
Tgt Ion:	43	Resp:	449015
Ion	Ratio	Lower	Upper
43	100		
58	59.8	48.7	73.1
57	21.8	16.8	25.2
100	12.4	9.9	14.9



#49
Dibromochloromethane
Concen: 5.446 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion:	129	Resp:	94473
Ion	Ratio	Lower	Upper
129	100		
127	76.9	52.9	98.3





#50

1,2-Dibromoethane

Concen: 5.489 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

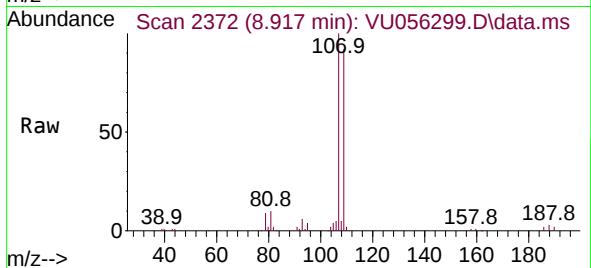
Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

ClientSampleId :



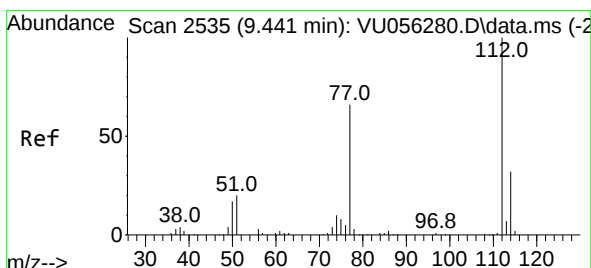
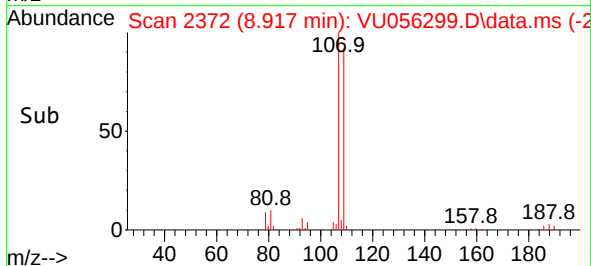
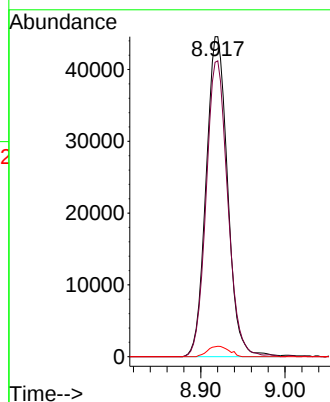
Tgt Ion:107 Resp: 79060

Ion Ratio Lower Upper

107 100

109 92.0 64.2 119.2

188 3.1 2.6 4.0



#51

Chlorobenzene

Concen: 5.468 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

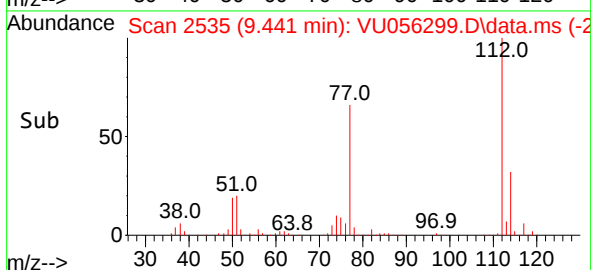
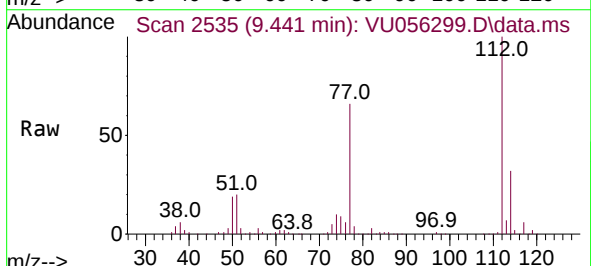
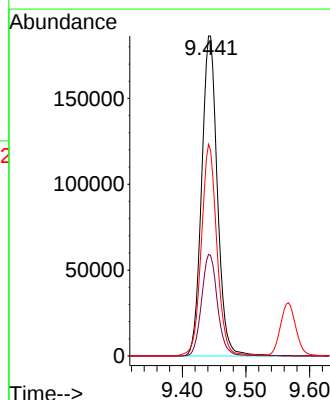
Tgt Ion:112 Resp: 319552

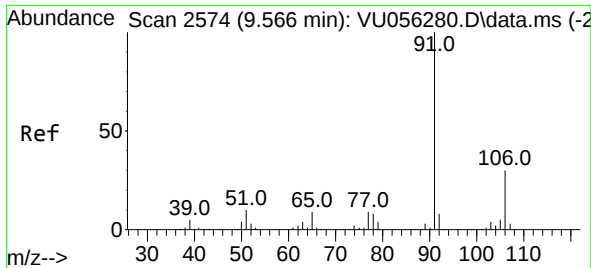
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

77 66.2 51.7 77.5

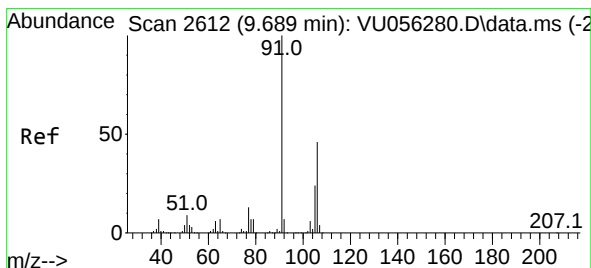
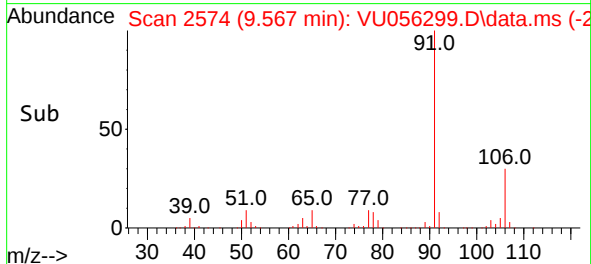
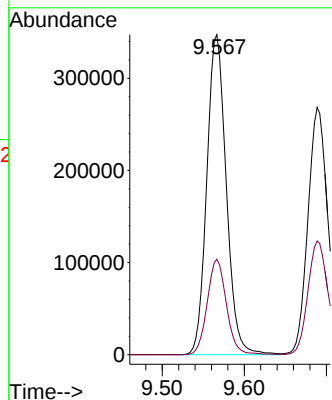
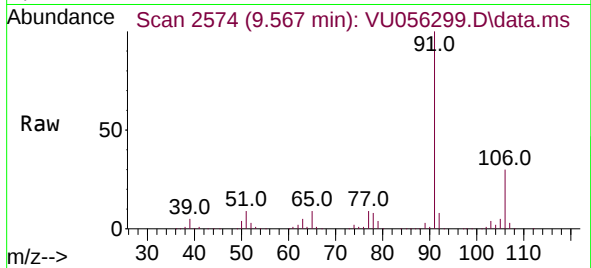




#52
Ethylbenzene
Concen: 5.680 ug/L
RT: 9.567 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

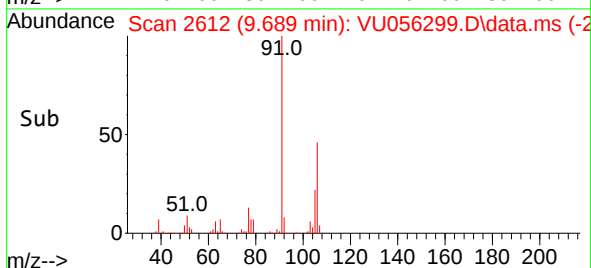
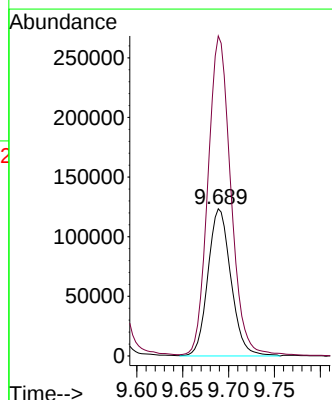
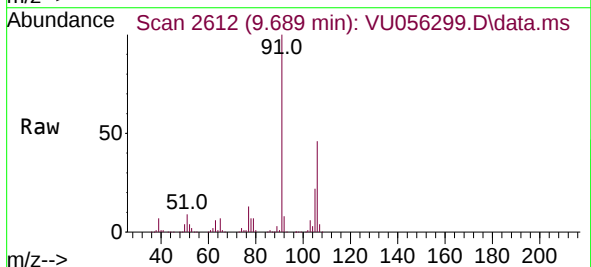
Instrument :
MSVOA_U
ClientSampleId :

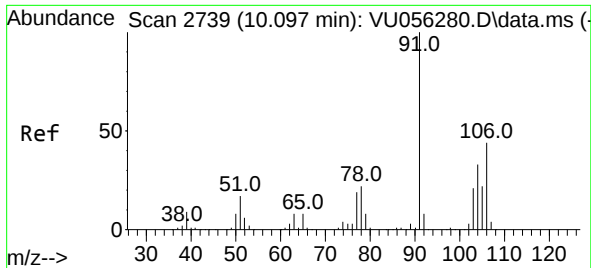
Tgt Ion: 91 Resp: 573629
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.1



#53
m,p-Xylene
Concen: 5.794 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion: 106 Resp: 215104
Ion Ratio Lower Upper
106 100
91 217.3 149.6 277.8

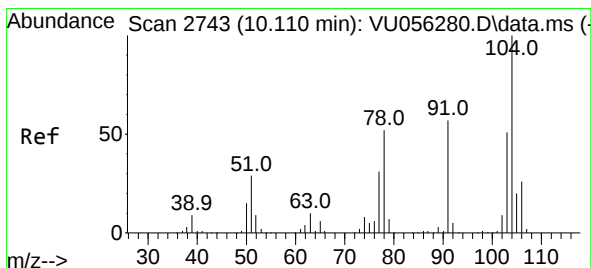
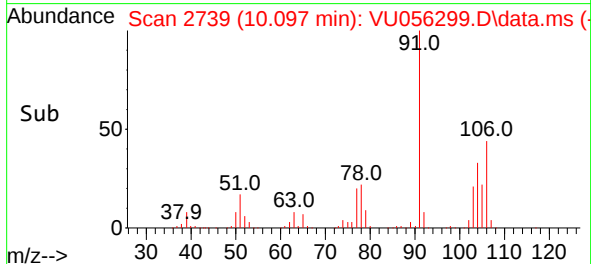
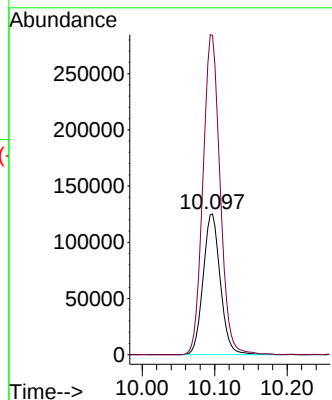
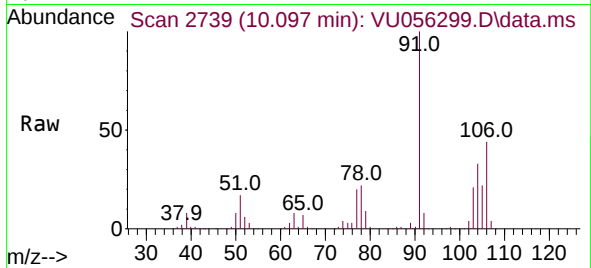




#54
o-Xylene
Concen: 5.720 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

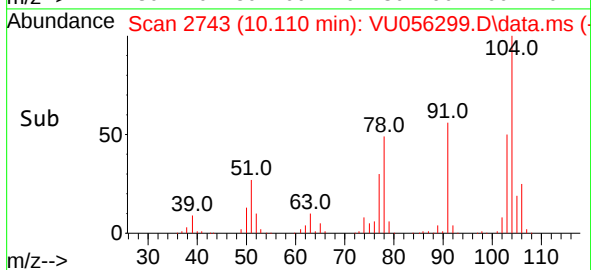
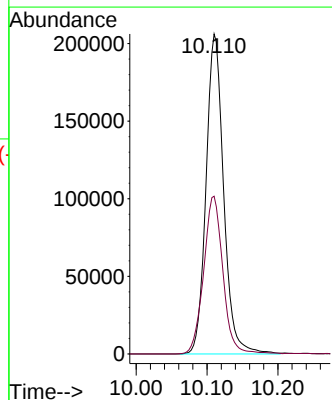
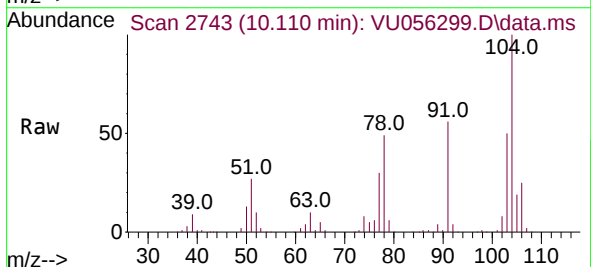
Instrument :
MSVOA_U
ClientSampleId :

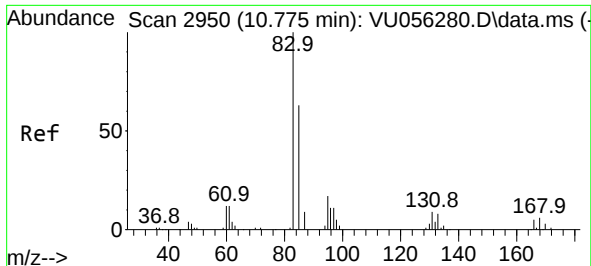
Tgt Ion:106 Resp: 206286
Ion Ratio Lower Upper
106 100
91 226.7 159.3 295.9



#55
Styrene
Concen: 5.938 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion:104 Resp: 356170
Ion Ratio Lower Upper
104 100
78 49.3 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.703 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

ClientSampleId :

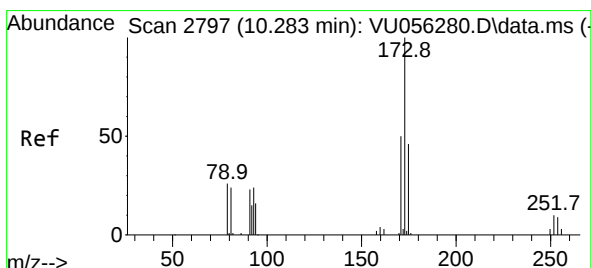
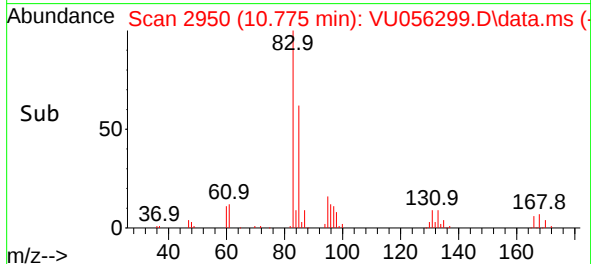
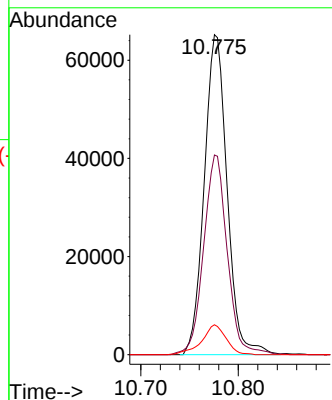
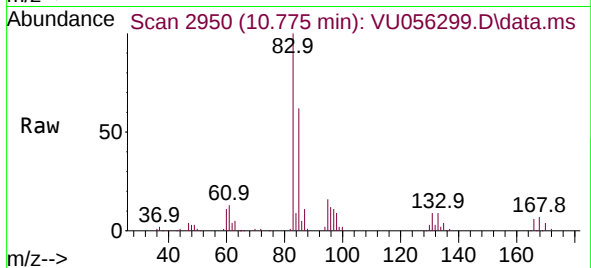
Tgt Ion: 83 Resp: 106243

Ion Ratio Lower Upper

83 100

85 62.4 46.3 86.1

131 9.4 6.7 10.1



#59

Bromoform

Concen: 5.374 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

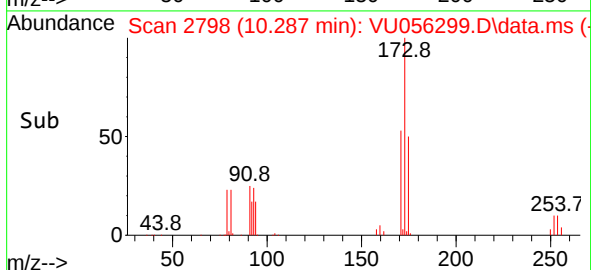
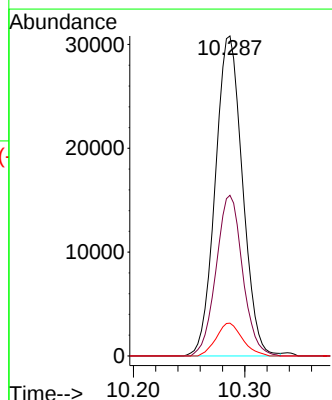
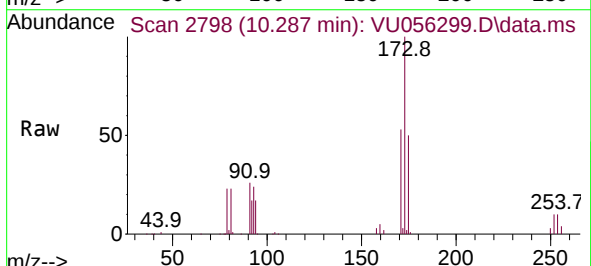
Tgt Ion:173 Resp: 52272

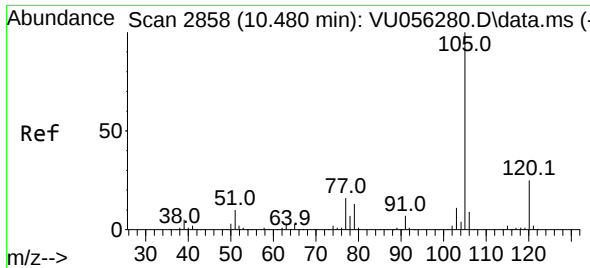
Ion Ratio Lower Upper

173 100

175 48.9 38.9 58.3

254 9.9 6.7 10.1

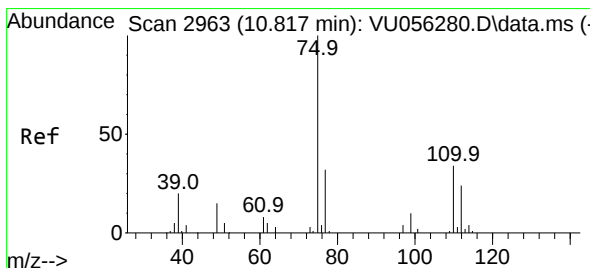
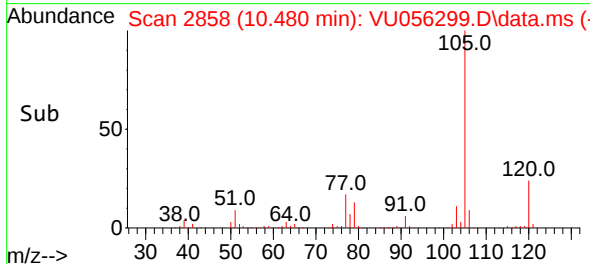
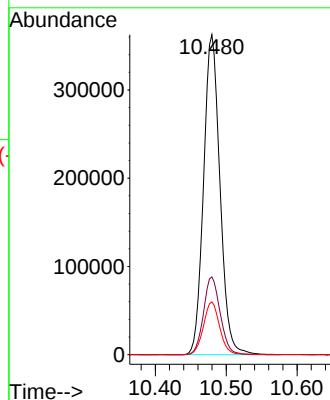
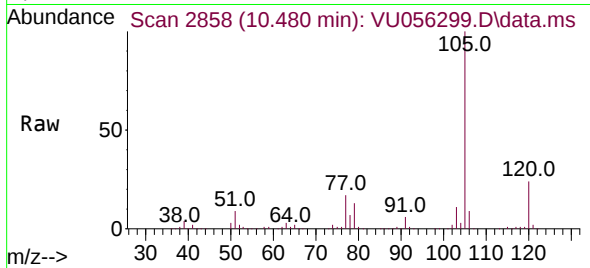




#60
Isopropylbenzene
Concen: 5.787 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

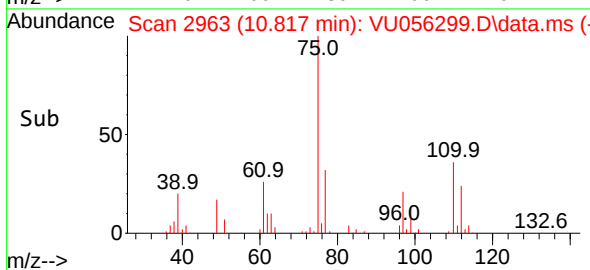
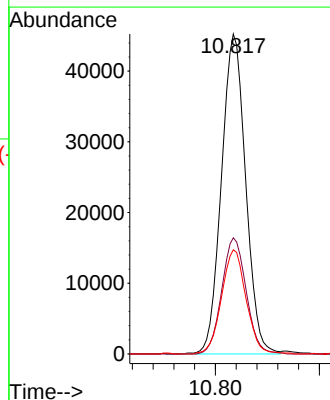
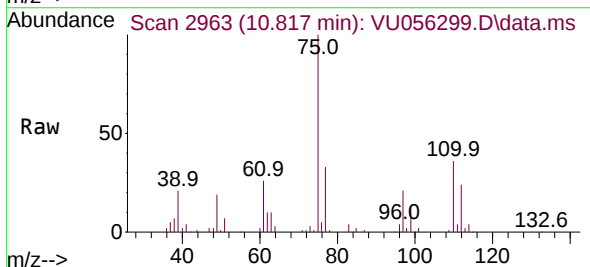
Instrument :
MSVOA_U
ClientSampleId :

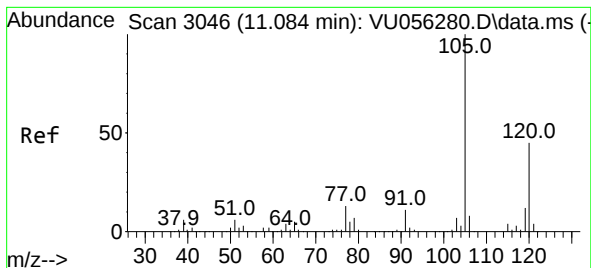
Tgt Ion:105 Resp: 582734
Ion Ratio Lower Upper
105 100
120 24.7 20.4 30.6
77 16.3 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 5.458 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion: 75 Resp: 73134
Ion Ratio Lower Upper
75 100
110 36.6 30.4 45.6
77 33.1 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.578 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

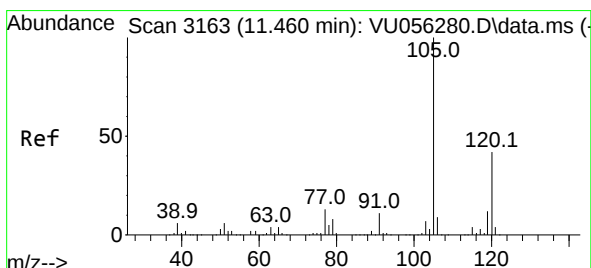
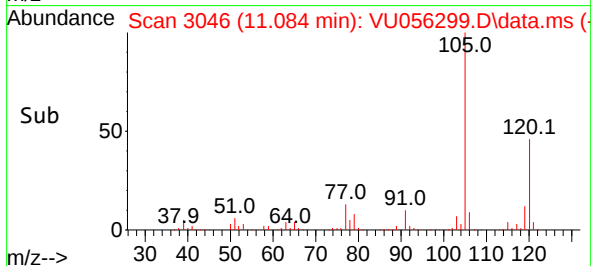
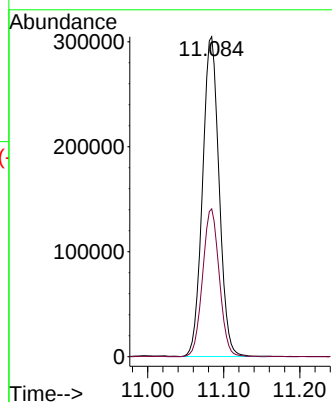
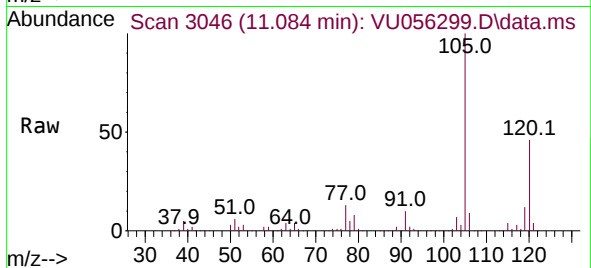
ClientSampleId :

Tgt Ion:105 Resp: 461248

Ion Ratio Lower Upper

105 100

120 46.6 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.728 ug/L

RT: 11.464 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU056299.D

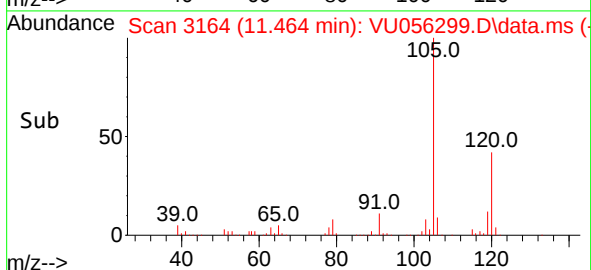
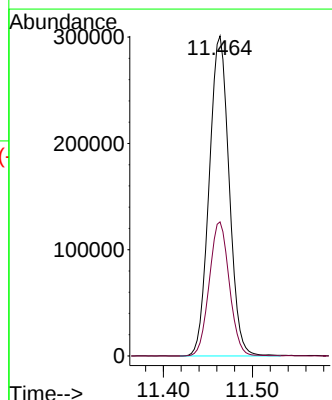
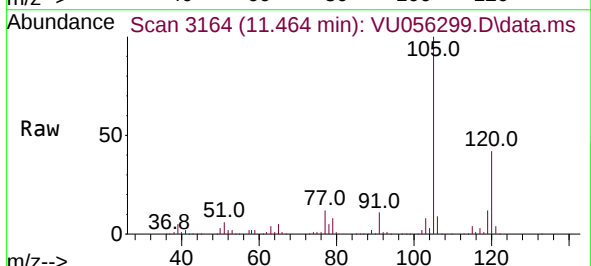
Acq: 14 Nov 2023 11:44

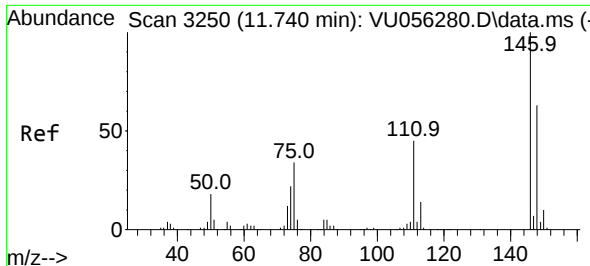
Tgt Ion:105 Resp: 467472

Ion Ratio Lower Upper

105 100

120 42.2 34.0 51.0

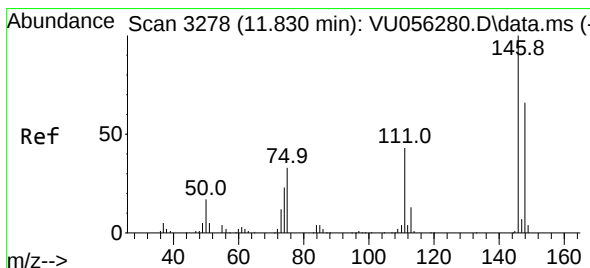
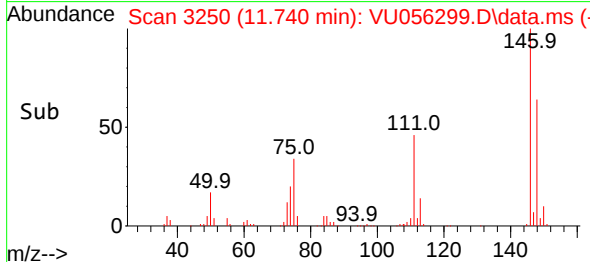
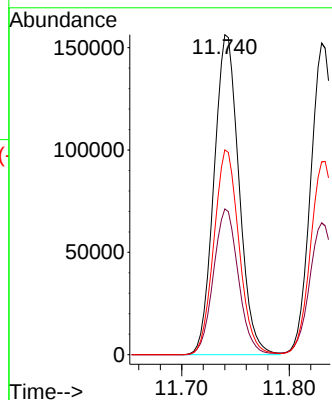
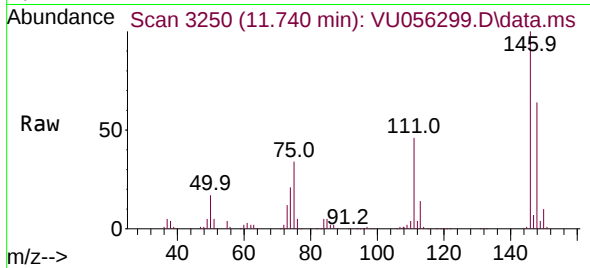




#64
1,3-Dichlorobenzene
Concen: 5.515 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

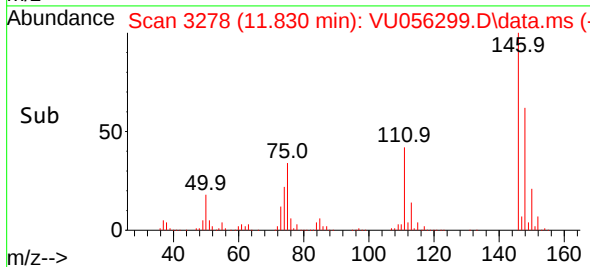
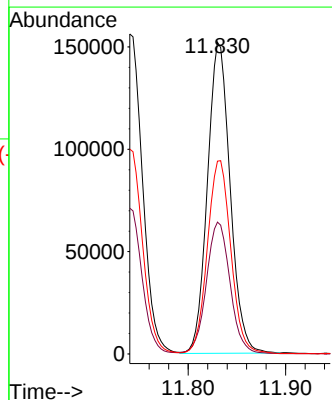
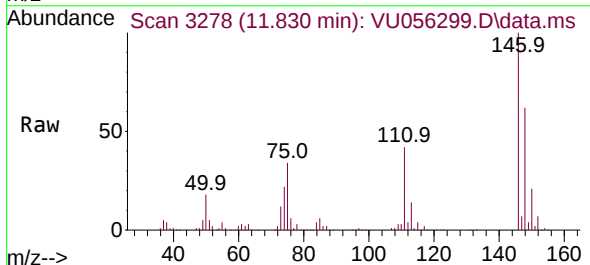
Instrument :
MSVOA_U
ClientSampleId :

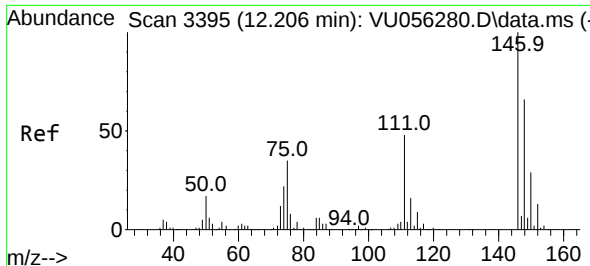
Tgt Ion:146 Resp: 252628
Ion Ratio Lower Upper
146 100
111 45.6 31.1 57.7
148 64.0 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.353 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

Tgt Ion:146 Resp: 245989
Ion Ratio Lower Upper
146 100
111 42.3 30.5 56.7
148 61.9 44.8 83.2

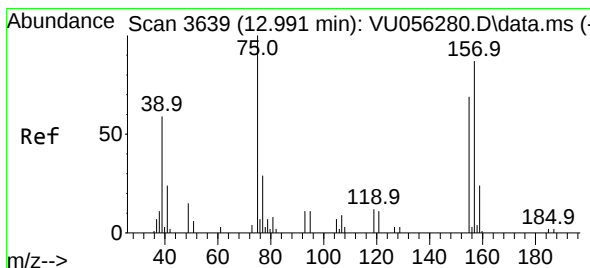
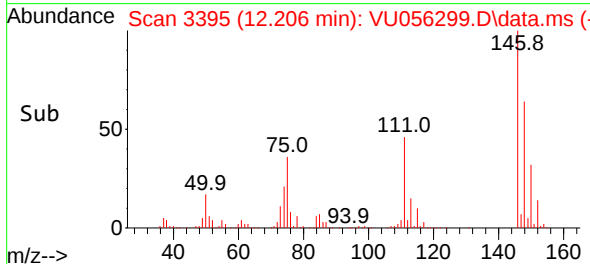
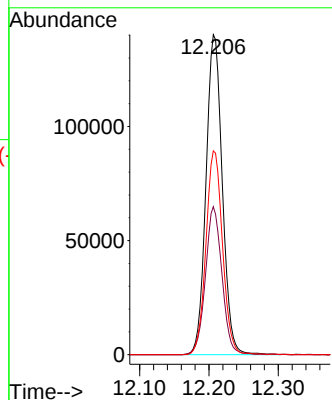
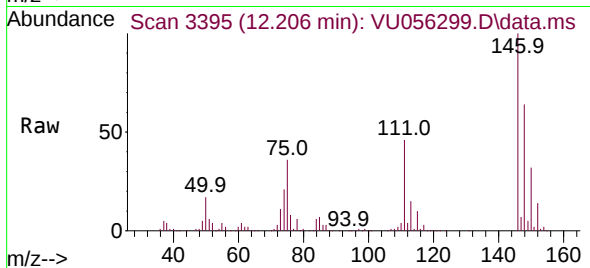




#67
1,2-Dichlorobenzene
Concen: 5.448 ug/L
RT: 12.206 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

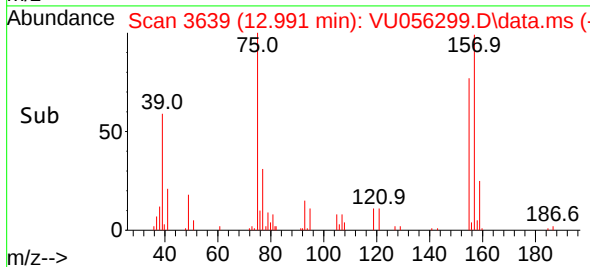
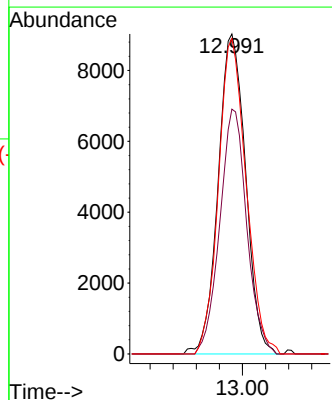
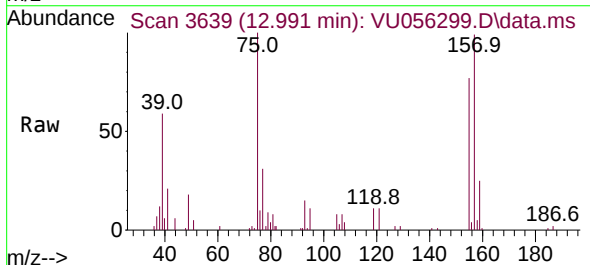
Instrument :
MSVOA_U
ClientSampleId :

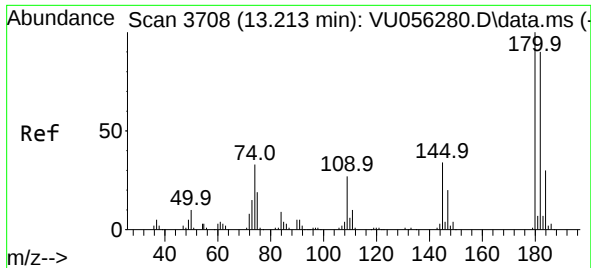
Tgt Ion:146 Resp: 228961
Ion Ratio Lower Upper
146 100
111 46.2 38.3 57.5
148 63.7 52.2 78.4



#68
1,2-Dibromo-3-chloropropane
Concen: 5.191 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VU056299.D
Acq: 14 Nov 2023 11:44

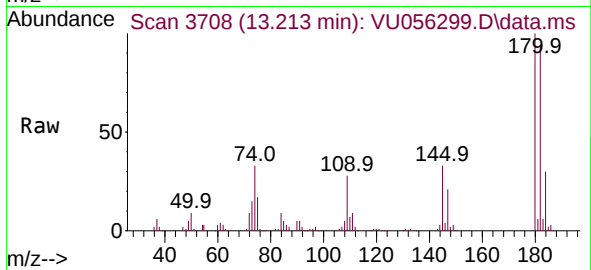
Tgt Ion: 75 Resp: 14856
Ion Ratio Lower Upper
75 100
155 76.5 62.4 93.6
157 98.5 80.2 120.2



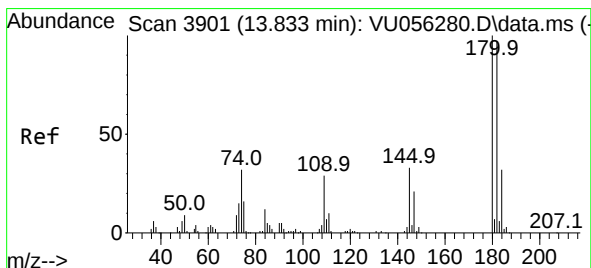
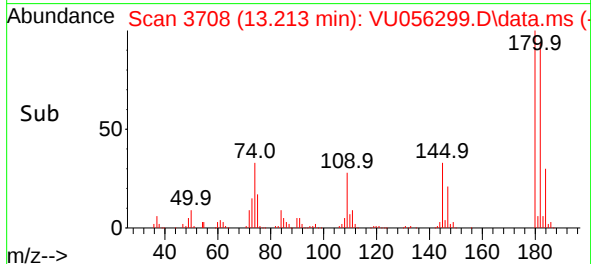
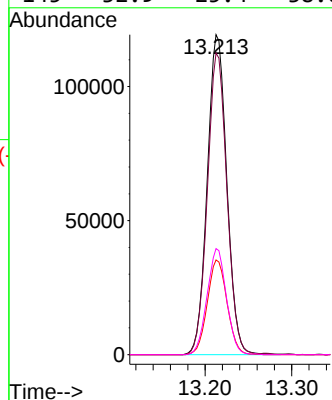


#69
 1,3,5-Trichlorobenzene
 Concen: 5.432 ug/L
 RT: 13.213 min Scan# 3708
 Delta R.T. 0.000 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

Instrument :
 MSVOA_U
 ClientSampleId :

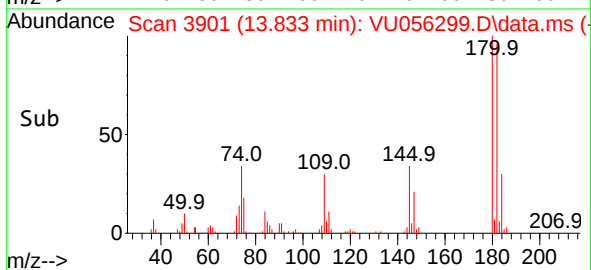
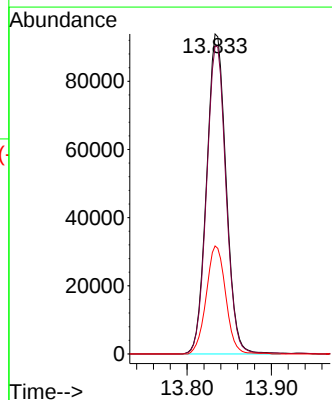
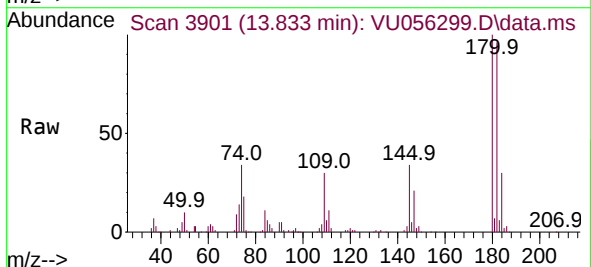


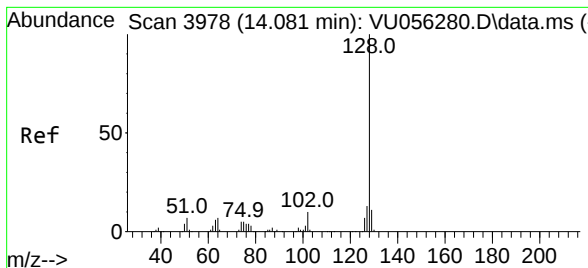
Tgt Ion:180 Resp: 187343
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.1 112.7
 184 29.9 23.5 35.3
 145 32.9 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.387 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU056299.D
 Acq: 14 Nov 2023 11:44

Tgt Ion:180 Resp: 151325
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.4 113.2
 145 33.6 26.8 40.2





#71

Naphthalene

Concen: 5.443 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Instrument :

MSVOA_U

ClientSampleId :

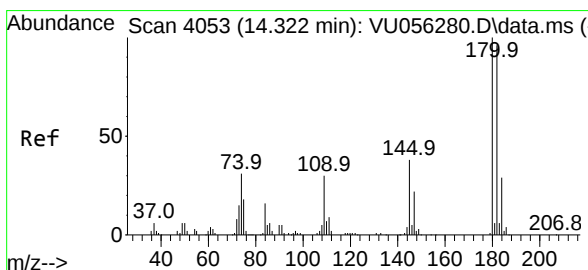
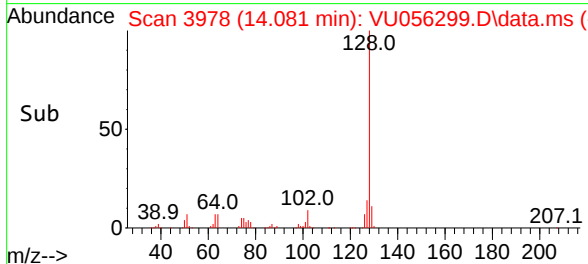
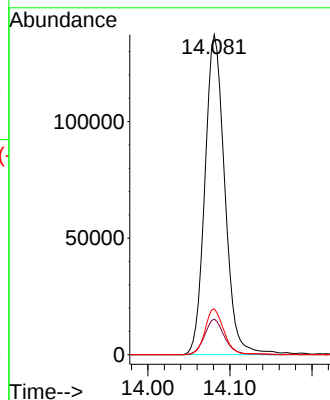
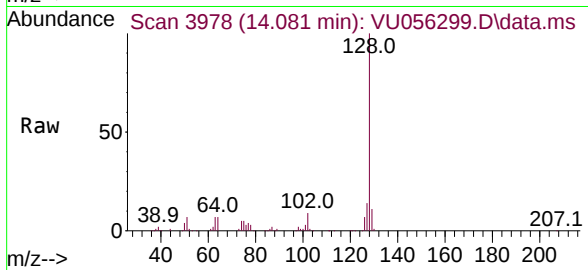
Tgt Ion:128 Resp: 231015

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 13.4 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.441 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU056299.D

Acq: 14 Nov 2023 11:44

Tgt Ion:180 Resp: 125905

Ion Ratio Lower Upper

180 100

182 97.3 78.6 117.8

145 36.2 29.0 43.6

