

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056257.D
 Acq On : 13 Nov 2023 17:24
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 23:53:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 13 23:42:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	318999	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	305218	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	151789	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	121698	5.100	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.000%
7) Chloroethane-d5	1.911	69	92071	5.033	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.600%
11) 1,1-Dichloroethene-d2	2.563	65	54944	5.218	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.400%
20) 2-Butanone-d5	4.624	46	243184	51.114	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.220%
24) Chloroform-d	5.059	84	234454	5.080	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	5.698	65	106512	4.995	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.721	84	466262	5.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	6.685	67	141830	5.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.894	98	417483	5.199	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
43) trans-1,3-Dichloroprop...	8.177	79	54131	5.150	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.000%
46) 2-Hexanone-d5	8.631	63	217600	52.678	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.360%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	99598	5.086	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	137894	4.918	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	132793	5.254	ug/L	97
3) Chloromethane	1.518	50	138623	5.367	ug/L	96
5) Vinyl chloride	1.602	62	140560	5.648	ug/L	99
6) Bromomethane	1.856	94	75190	5.969	ug/L	95
8) Chloroethane	1.930	64	82254	5.411	ug/L	99
9) Trichlorofluoromethane	2.136	101	200331	5.586	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	115586	5.429	ug/L	99
12) 1,1-Dichloroethene	2.576	96	110835	5.676	ug/L	94
13) Acetone	2.631	43	196101	48.394	ug/L	100
14) Carbon disulfide	2.792	76	350464	5.515	ug/L	98
15) Methyl Acetate	2.949	43	39706	5.506	ug/L	99
16) Methylene chloride	3.043	84	126533	4.896	ug/L	97
17) Methyl tert-butyl Ether	3.358	73	260936	5.500	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	114054	5.677	ug/L	98
19) 1,1-Dichloroethane	3.862	63	223752	5.622	ug/L	98
21) 2-Butanone	4.702	43	269415	51.238	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	129803	5.697	ug/L	99
23) Bromochloromethane	4.968	128	51296	5.469	ug/L	96
25) Chloroform	5.081	83	230310	5.341	ug/L	99

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 Acq On : 13 Nov 2023 17:24
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 23:53:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 13 23:42:10 2023
 Response via : Initial Calibration

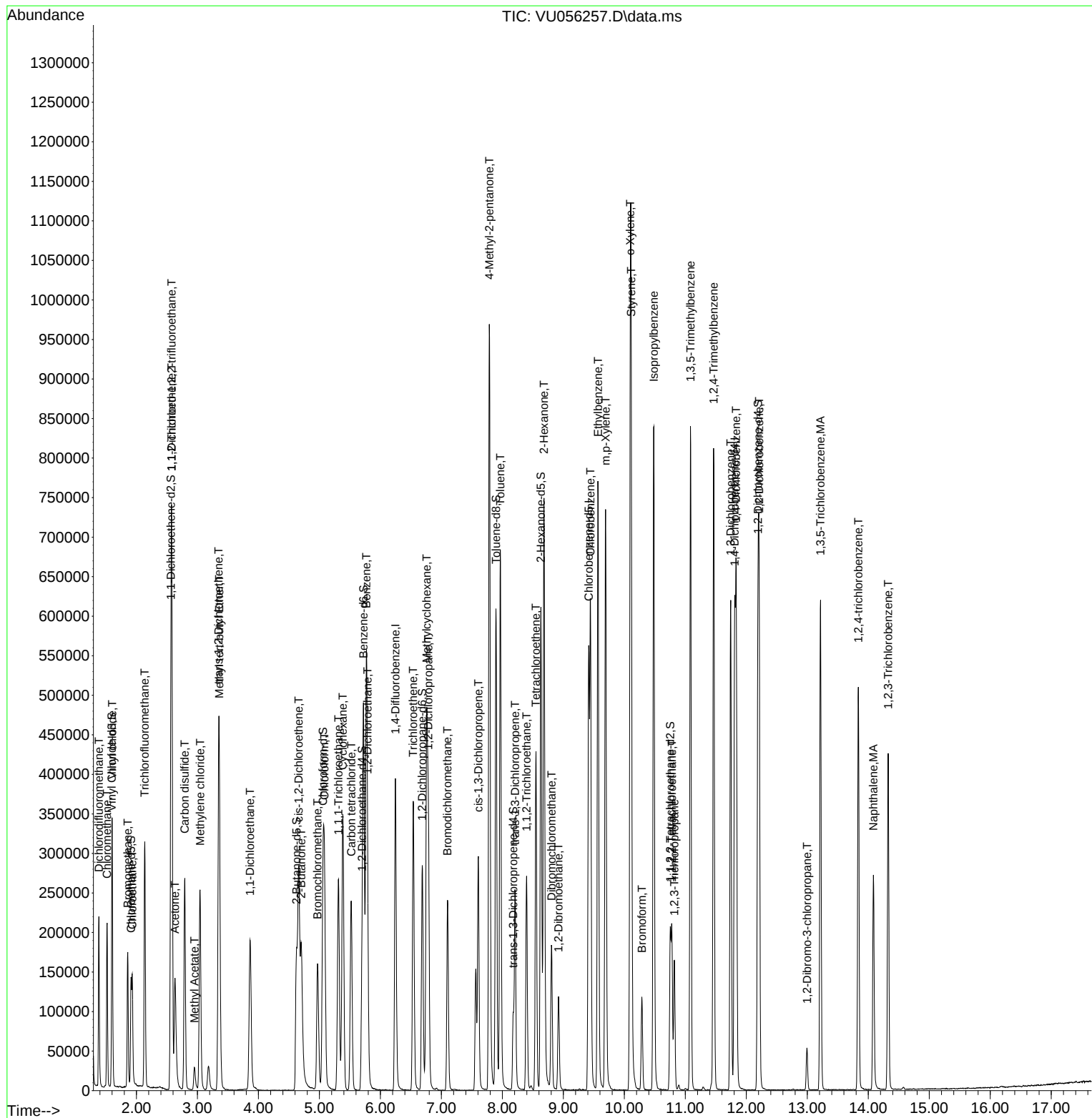
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	135604	5.539	ug/L	99
29) 1,1,1-Trichloroethane	5.313	97	197467	5.636	ug/L	99
30) Cyclohexane	5.383	56	183344	5.514	ug/L	98
31) Carbon tetrachloride	5.521	117	171384	5.695	ug/L	96
33) Benzene	5.769	78	488793	5.613	ug/L	100
34) Trichloroethene	6.538	95	131324	5.534	ug/L	98
35) Methylcyclohexane	6.759	83	184892	5.397	ug/L	99
37) 1,2-Dichloropropane	6.785	63	129165	5.687	ug/L	99
38) Bromodichloromethane	7.100	83	155914	5.318	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	183701	5.505	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	622932	55.332	ug/L	99
42) Toluene	7.965	91	511841	5.677	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	148162	5.569	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	83642	5.530	ug/L	99
47) Tetrachloroethene	8.550	164	89234	5.577	ug/L	98
48) 2-Hexanone	8.682	43	472760	53.903	ug/L	98
49) Dibromochloromethane	8.804	129	94842	5.514	ug/L	99
50) 1,2-Dibromoethane	8.920	107	77437	5.423	ug/L	98
51) Chlorobenzene	9.444	112	321837	5.555	ug/L	100
52) Ethylbenzene	9.566	91	572314	5.716	ug/L	100
53) m,p-Xylene	9.692	106	212272	5.767	ug/L	97
54) o-Xylene	10.097	106	206270	5.769	ug/L	100
55) Styrene	10.113	104	350560	5.894	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	101240	5.482	ug/L #	98
59) Bromoform	10.287	173	52106	5.511	ug/L	99
60) Isopropylbenzene	10.483	105	562451	5.746	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	71799	5.513	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	458685	5.707	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	460558	5.805	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	249629	5.606	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	247023	5.530	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	228429	5.592	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	14455	5.196	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	184213	5.495	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	148265	5.430	ug/L	98
71) Naphthalene	14.084	128	226310	5.485	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	126692	5.632	ug/L	96

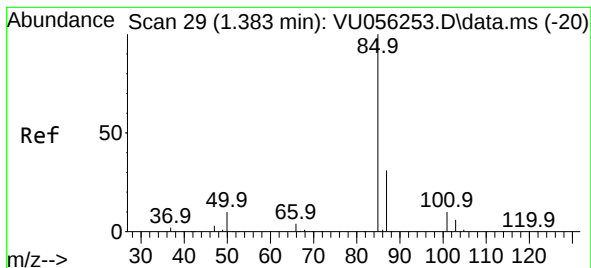
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 Data File : VU056257.D
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 Sample : VSTDICV005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 23:53:25 2023
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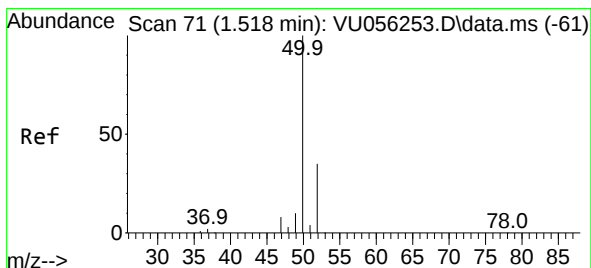
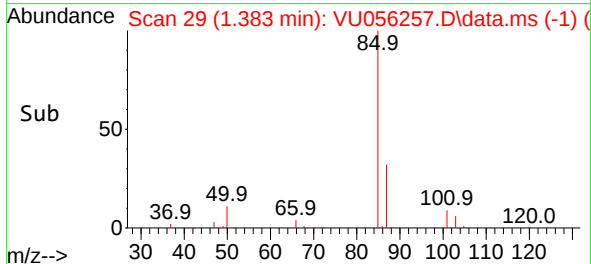
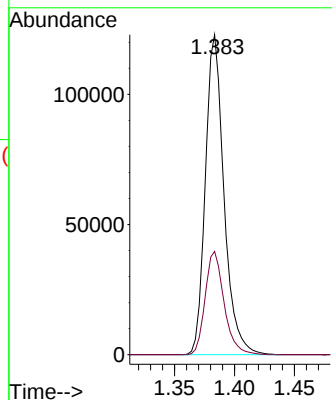
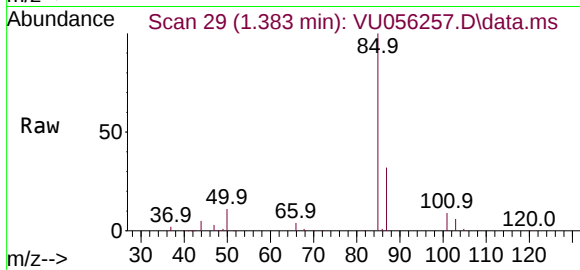




#2
 Dichlorodifluoromethane
 Concen: 5.254 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU056257.D
 Acq: 13 Nov 2023 17:24

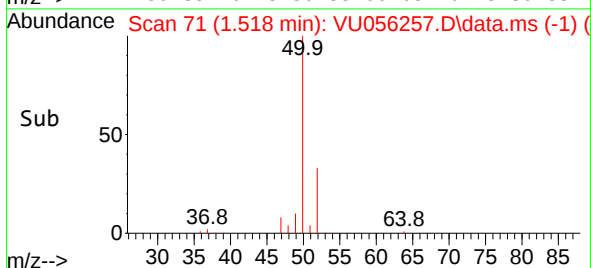
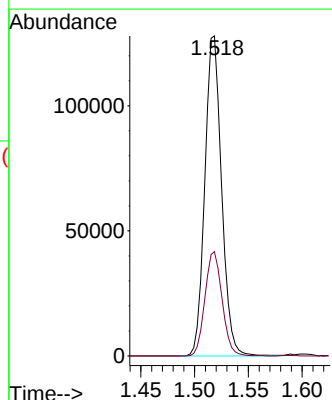
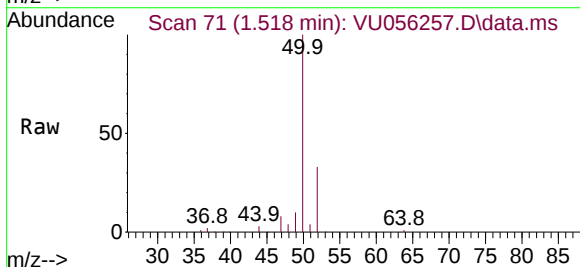
Instrument :
 MSVOA_U
 ClientSampleId :

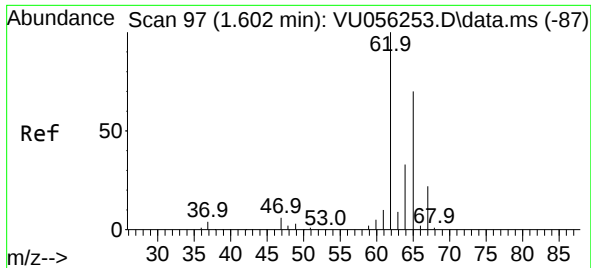
Tgt Ion: 85 Resp: 132793
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.0 37.4



#3
 Chloromethane
 Concen: 5.367 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU056257.D
 Acq: 13 Nov 2023 17:24

Tgt Ion: 50 Resp: 138623
 Ion Ratio Lower Upper
 50 100
 52 32.6 24.3 45.1

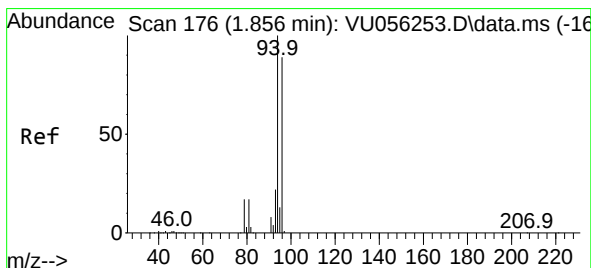
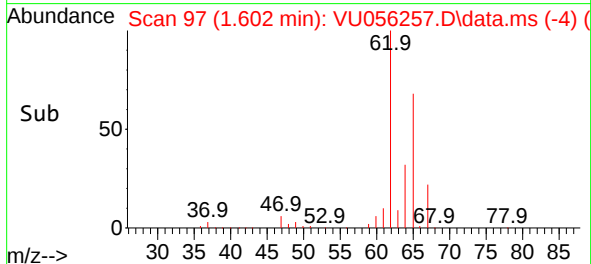
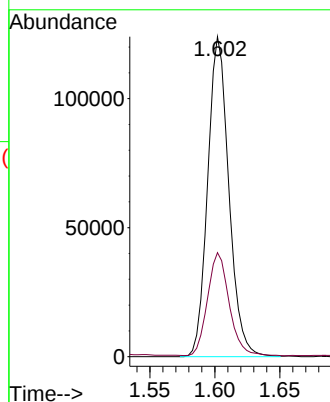
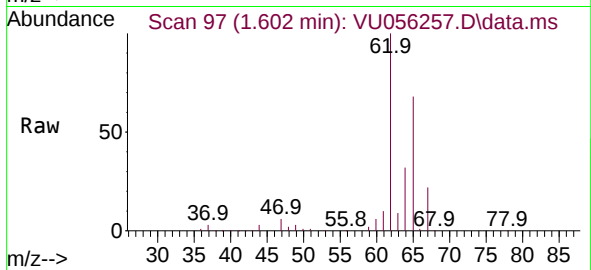




#5
 Vinyl chloride
 Concen: 5.648 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056257.D
 Acq: 13 Nov 2023 17:24

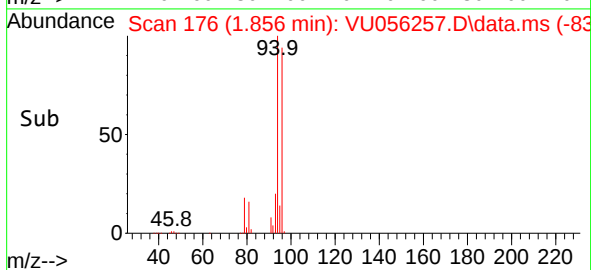
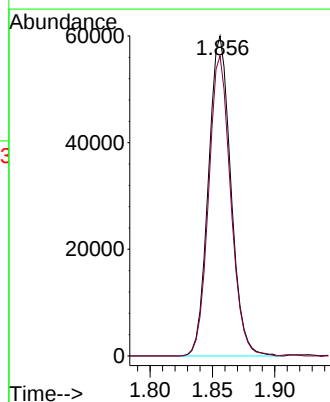
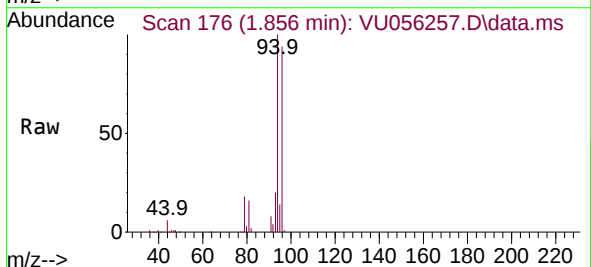
Instrument :
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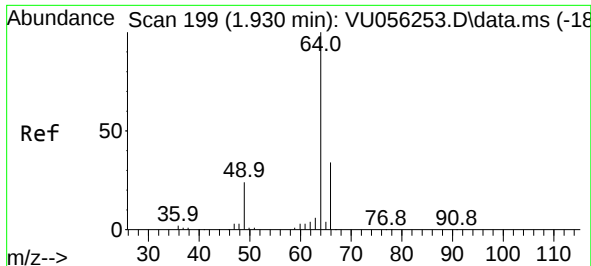
Tgt Ion: 62 Resp: 140560
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.3 43.3



#6
 Bromomethane
 Concen: 5.969 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU056257.D
 Acq: 13 Nov 2023 17:24

Tgt Ion: 94 Resp: 75190
 Ion Ratio Lower Upper
 94 100
 96 93.8 62.6 116.2

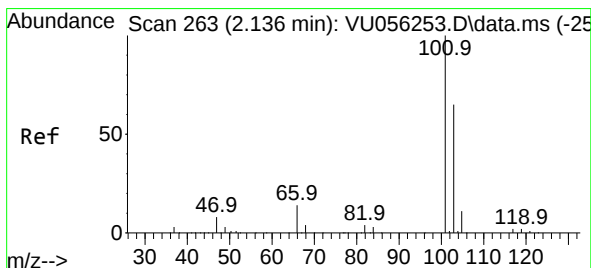
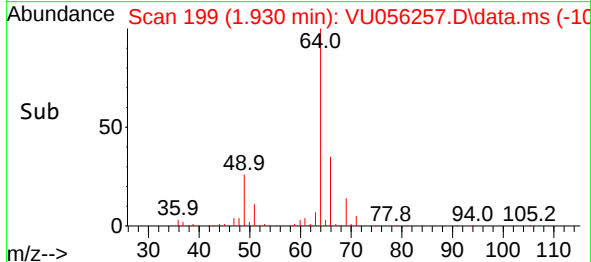
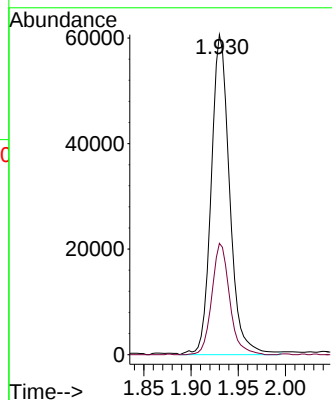
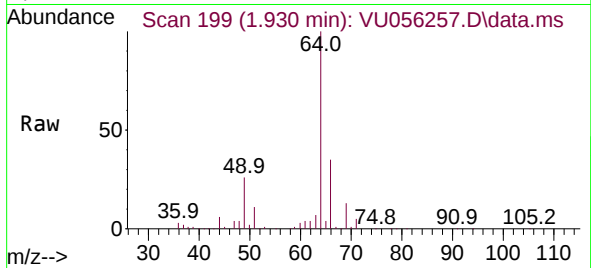




#8
Chloroethane
Concen: 5.411 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

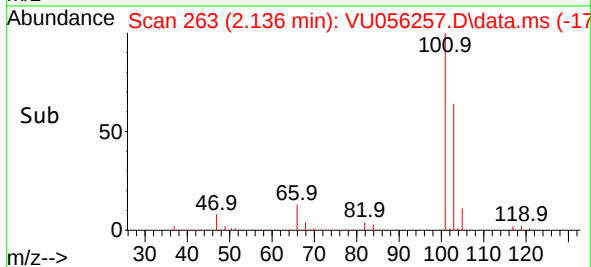
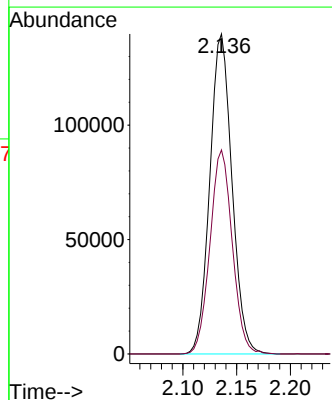
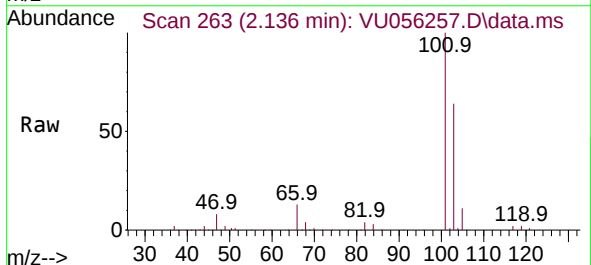
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ClientSampleId :

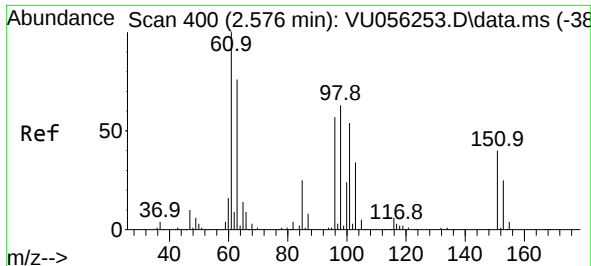
Tgt Ion: 64 Resp: 82254
Ion Ratio Lower Upper
64 100
66 34.8 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.586 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion:101 Resp: 200331
Ion Ratio Lower Upper
101 100
103 64.1 52.0 78.0

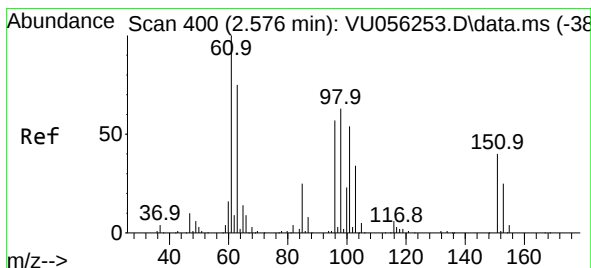
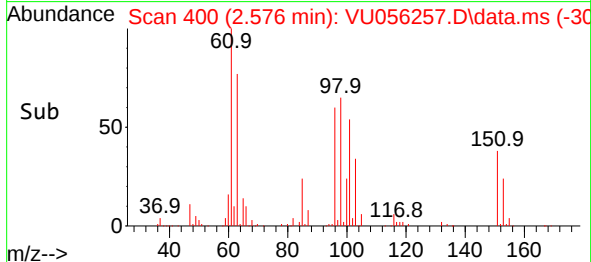
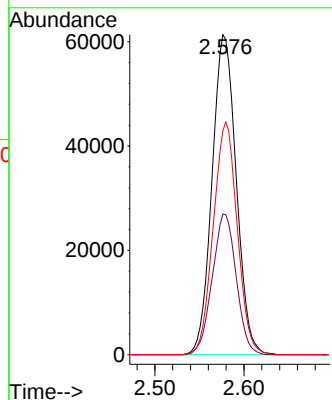
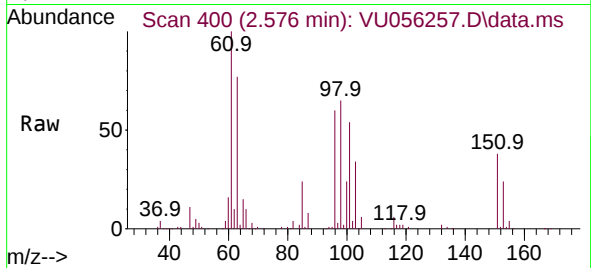




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.429 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056257.D
 Acq: 13 Nov 2023 17:24

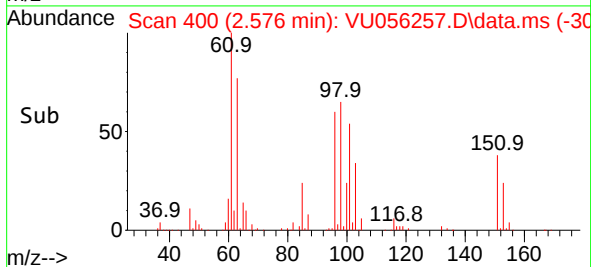
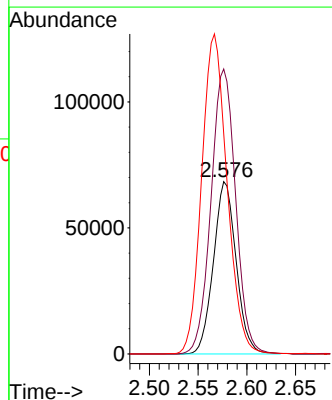
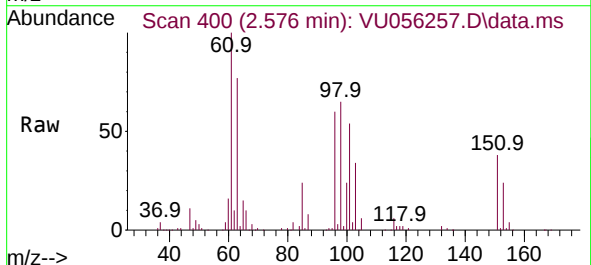
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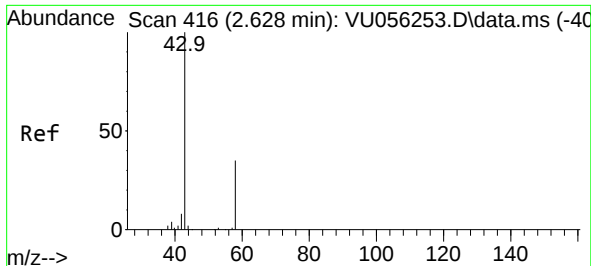
Tgt Ion:101 Resp: 115586
 Ion Ratio Lower Upper
 101 100
 85 43.5 35.4 53.0
 151 72.2 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 5.676 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056257.D
 Acq: 13 Nov 2023 17:24

Tgt Ion: 96 Resp: 110835
 Ion Ratio Lower Upper
 96 100
 61 165.4 123.1 228.7
 63 127.9 93.3 173.3





#13

Acetone

Concen: 48.394 ug/L

RT: 2.631 min Scan# 417

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

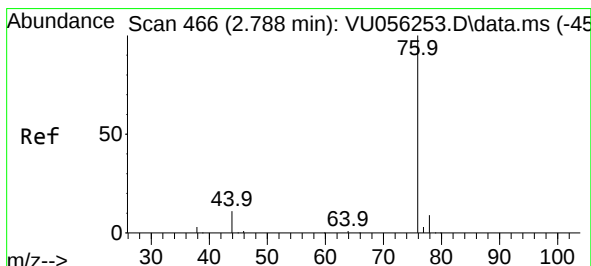
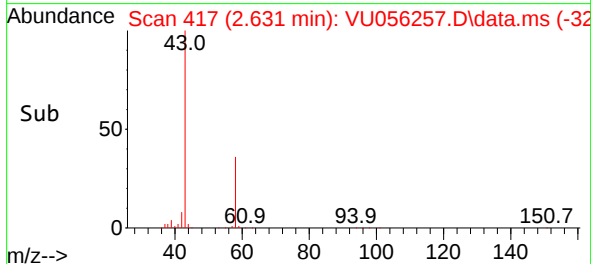
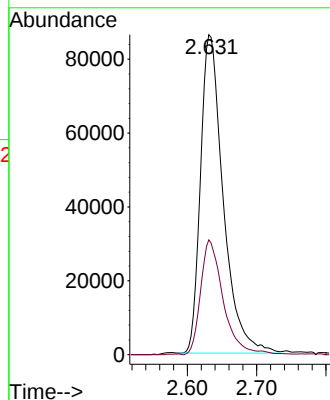
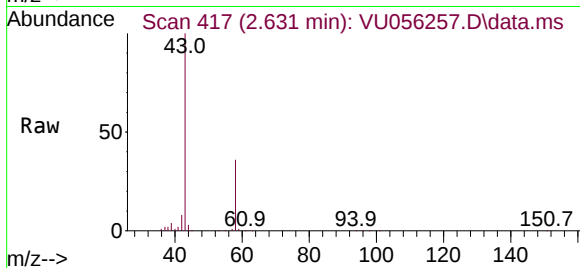
ClientSampleId :

Tgt Ion: 43 Resp: 196101

Ion Ratio Lower Upper

43 100

58 35.3 0.0 70.0



#14

Carbon disulfide

Concen: 5.515 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU056257.D

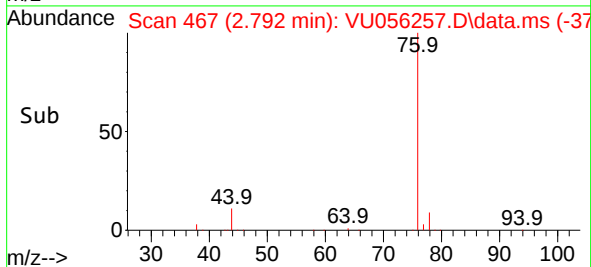
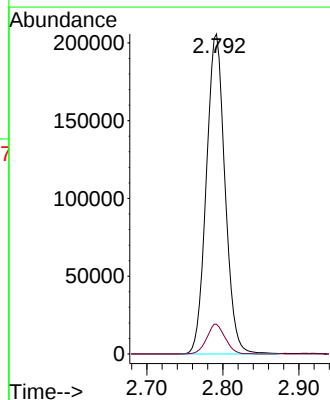
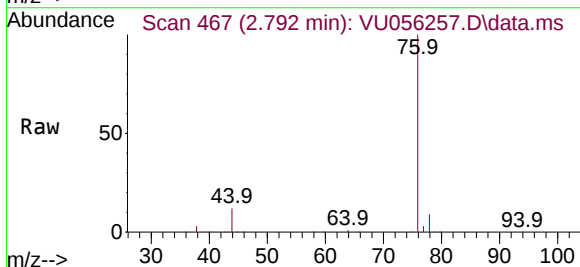
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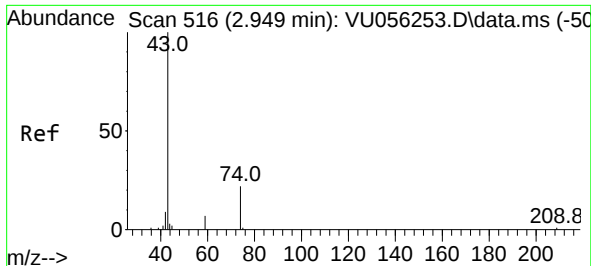
Tgt Ion: 76 Resp: 350464

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2

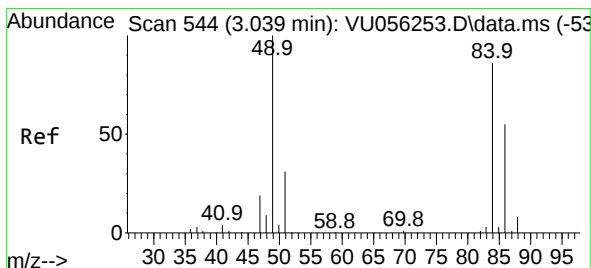
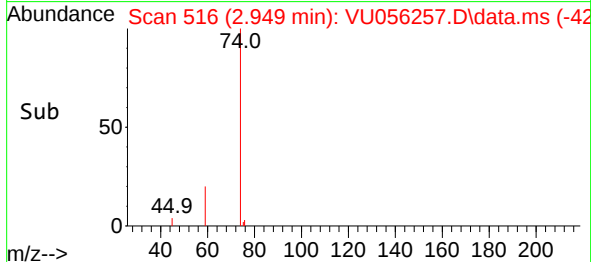
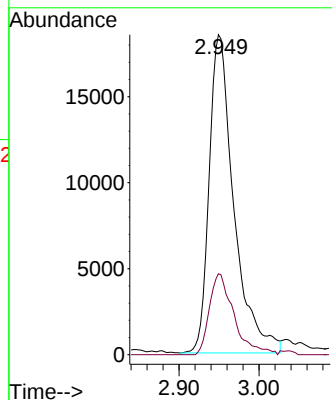
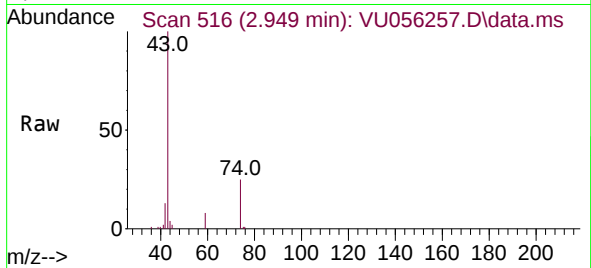




#15
Methyl Acetate
Concen: 5.506 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

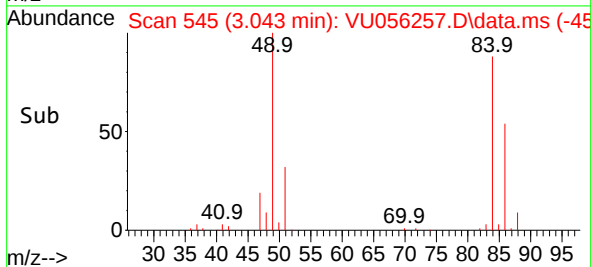
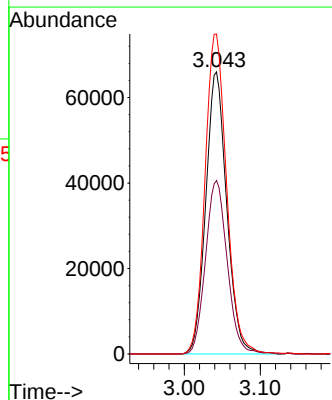
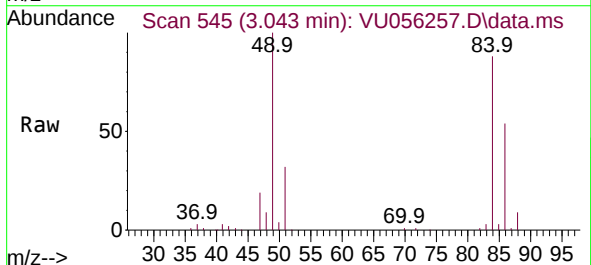
Instrument :
MSVOA_U
ClientSampleId :

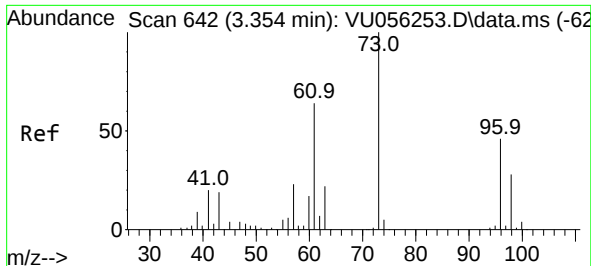
Tgt Ion: 43 Resp: 39706
Ion Ratio Lower Upper
43 100
74 25.2 20.6 31.0



#16
Methylene chloride
Concen: 4.896 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion: 84 Resp: 126533
Ion Ratio Lower Upper
84 100
86 61.5 44.7 83.1
49 113.5 81.8 152.0

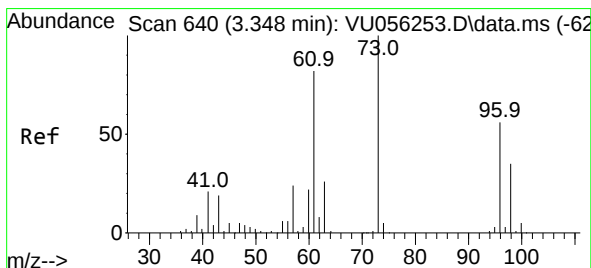
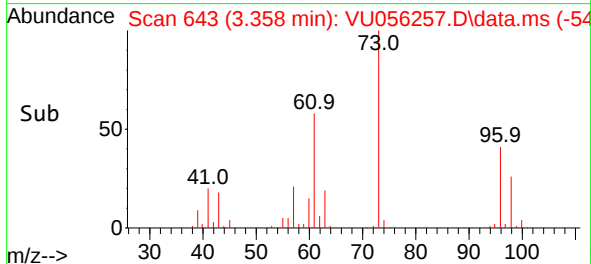
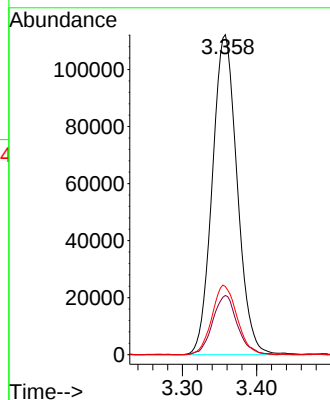
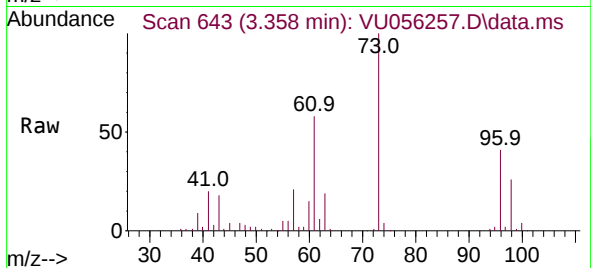




#17
Methyl tert-butyl Ether
Concen: 5.500 ug/L
RT: 3.358 min Scan# 64
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

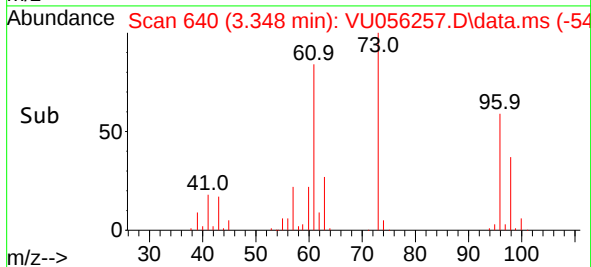
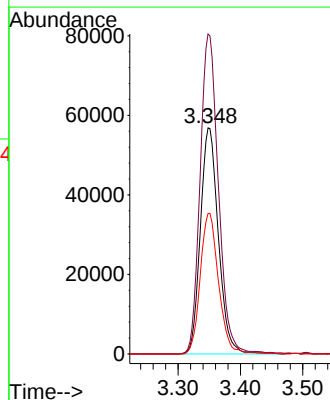
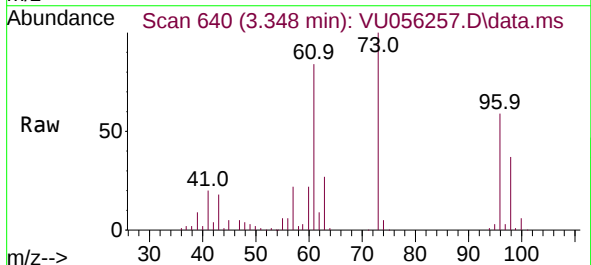
Instrument :
MSVOA_U
ClientSampleId :

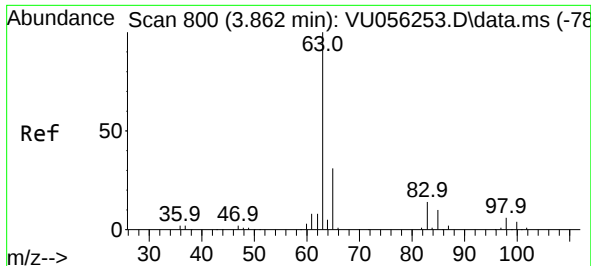
Tgt Ion: 73 Resp: 260936
Ion Ratio Lower Upper
73 100
43 18.5 15.1 22.7
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.677 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion: 96 Resp: 114054
Ion Ratio Lower Upper
96 100
61 141.6 101.7 188.9
98 62.2 43.0 80.0

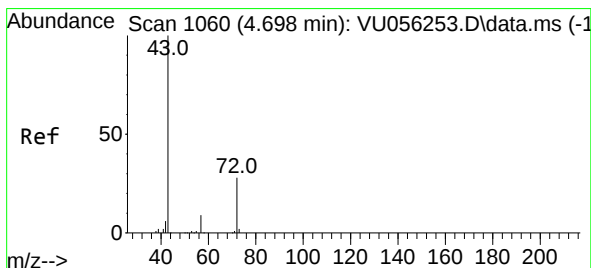
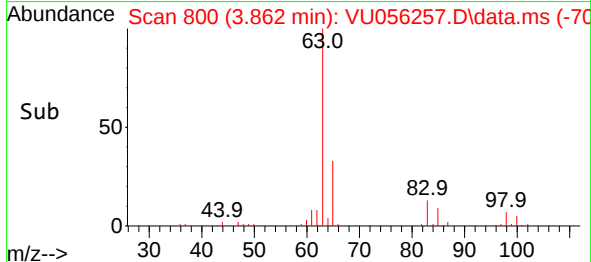
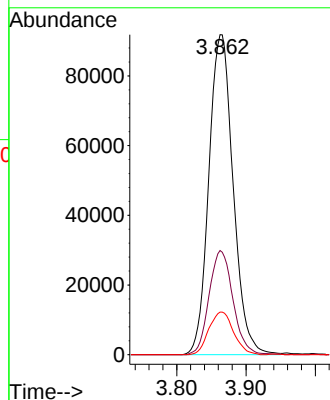
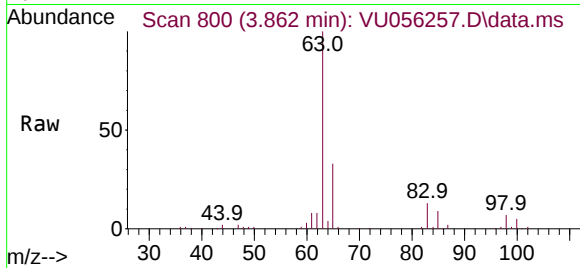




#19
1,1-Dichloroethane
Concen: 5.622 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

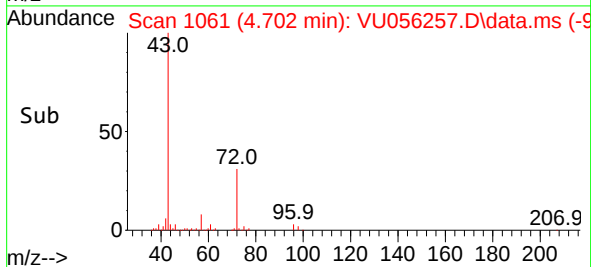
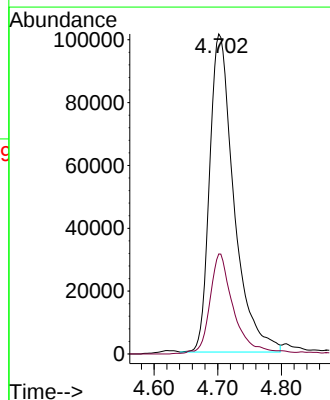
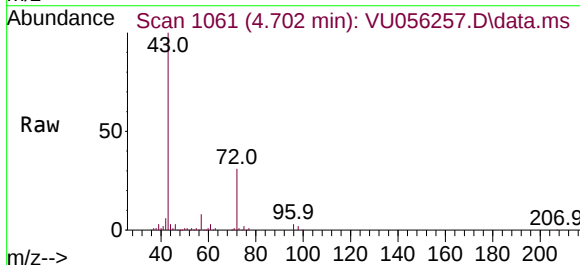
Instrument :
MSVOA_U
ClientSampleId :

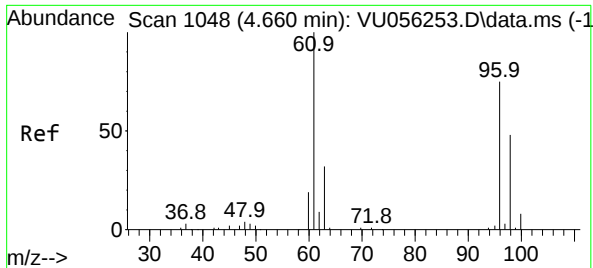
Tgt Ion: 63 Resp: 223752
Ion Ratio Lower Upper
63 100
65 32.6 21.8 40.6
83 13.3 9.7 17.9



#21
2-Butanone
Concen: 51.238 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion: 43 Resp: 269415
Ion Ratio Lower Upper
43 100
72 30.8 14.2 42.6

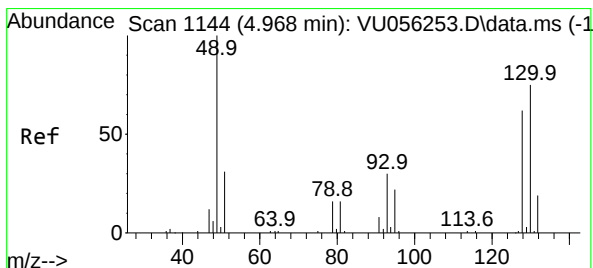
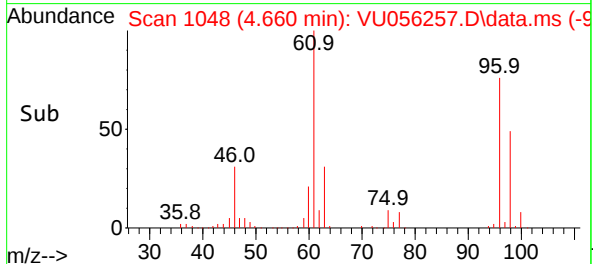
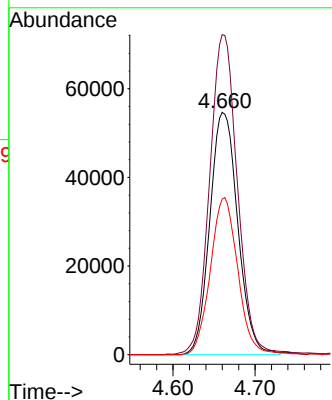
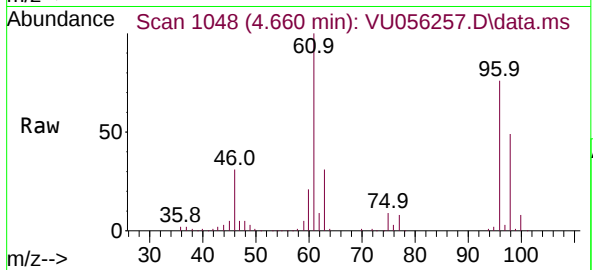




#22
 cis-1,2-Dichloroethene
 Concen: 5.697 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056257.D
 Acq: 13 Nov 2023 17:24

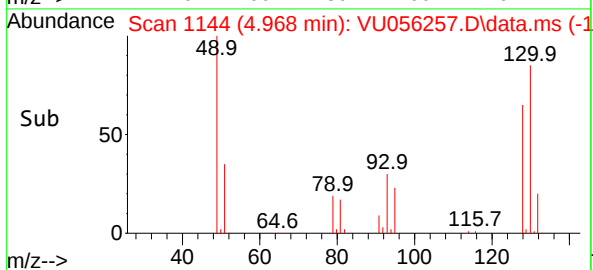
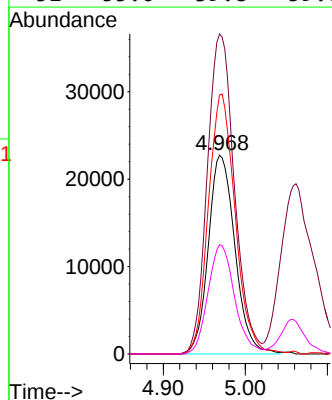
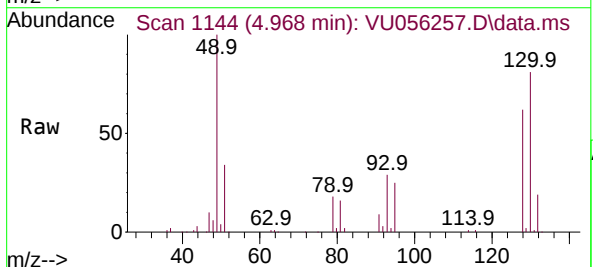
Instrument :
 MSVOA_U
 ClientSampleId :

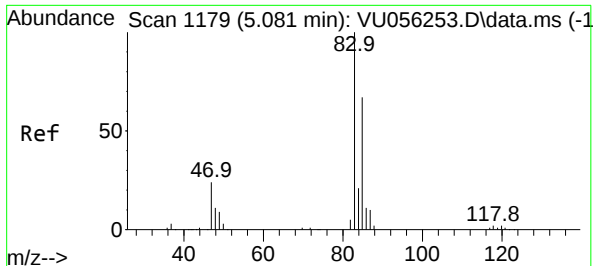
Tgt Ion: 96 Resp: 129803
 Ion Ratio Lower Upper
 96 100
 61 132.1 93.2 173.2
 98 64.2 44.8 83.2



#23
 Bromochloromethane
 Concen: 5.469 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056257.D
 Acq: 13 Nov 2023 17:24

Tgt Ion: 128 Resp: 51296
 Ion Ratio Lower Upper
 128 100
 49 161.0 113.4 210.6
 130 130.2 84.8 157.6
 51 55.0 39.8 59.6





#25

Chloroform

Concen: 5.341 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

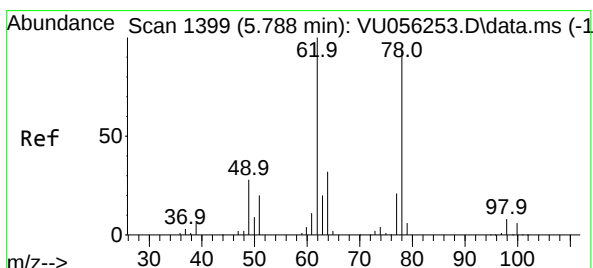
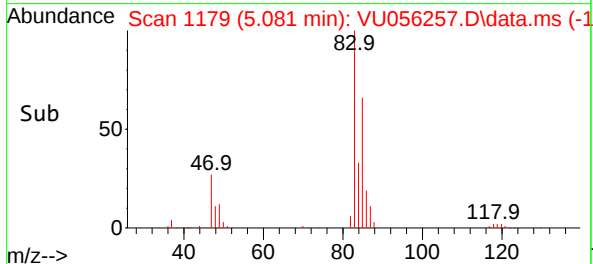
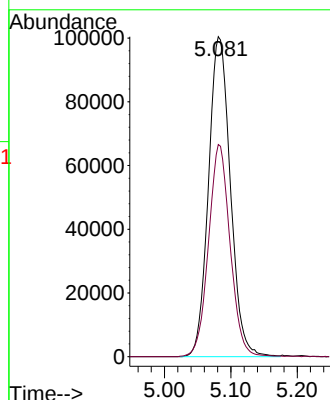
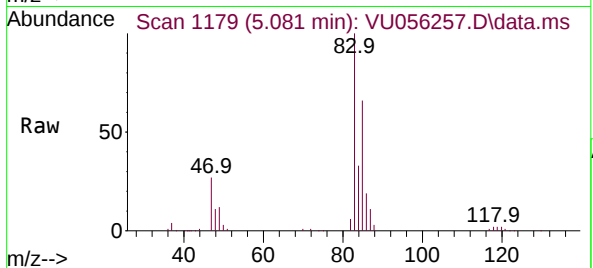
ClientSampleId :

Tgt Ion: 83 Resp: 230310

Ion Ratio Lower Upper

83 100

85 66.3 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.539 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056257.D

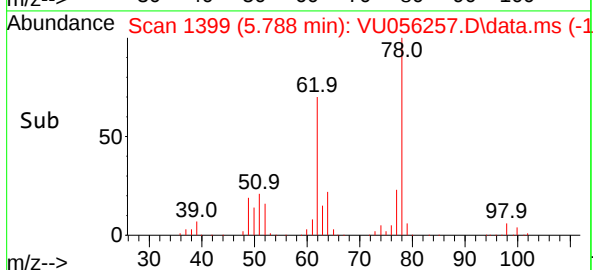
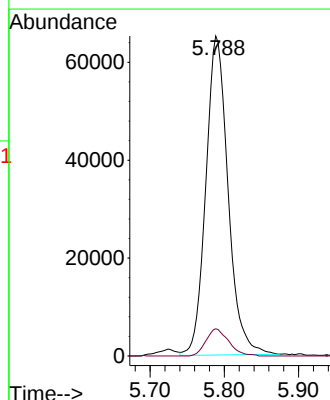
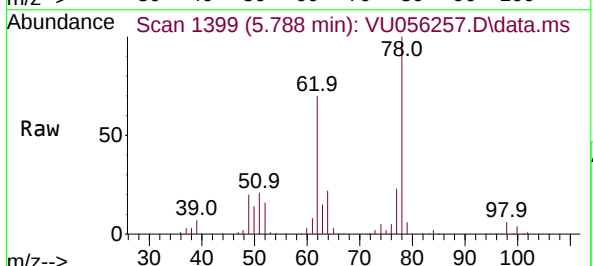
Acq: 13 Nov 2023 17:24

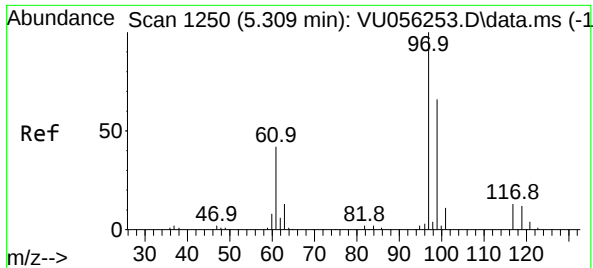
Tgt Ion: 62 Resp: 135604

Ion Ratio Lower Upper

62 100

98 8.5 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.636 ug/L

RT: 5.313 min Scan# 1251

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

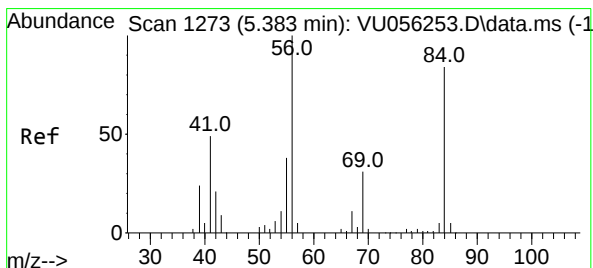
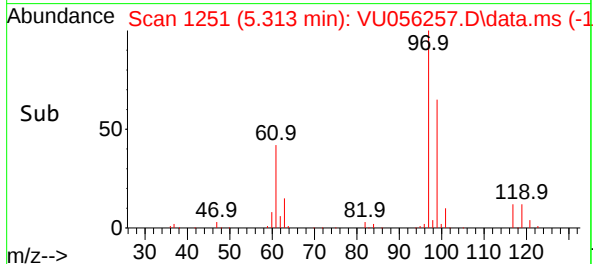
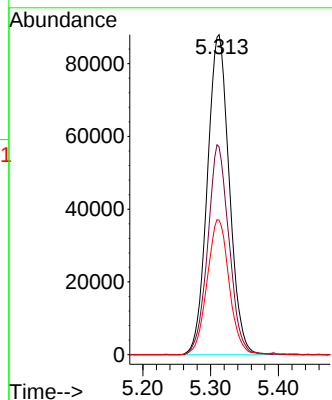
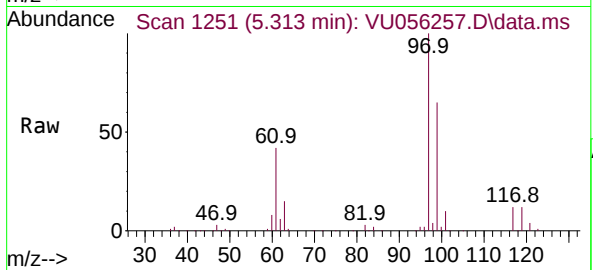
Tgt Ion: 97 Resp: 197467

Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 42.5 34.3 51.5



#30

Cyclohexane

Concen: 5.514 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

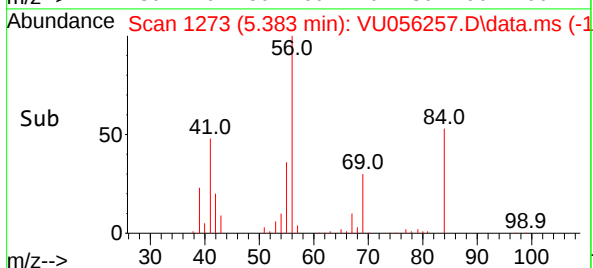
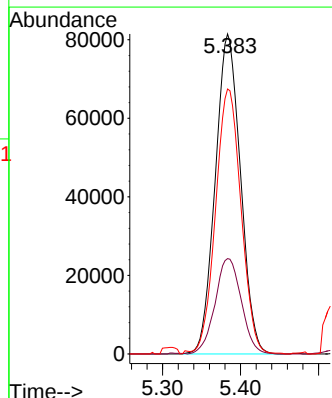
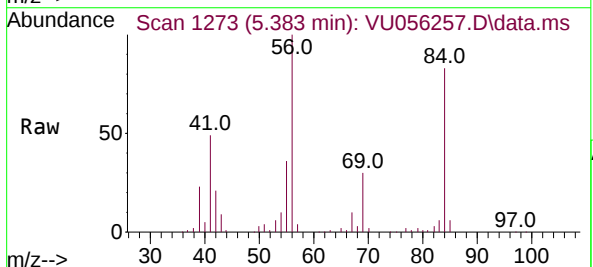
Tgt Ion: 56 Resp: 183344

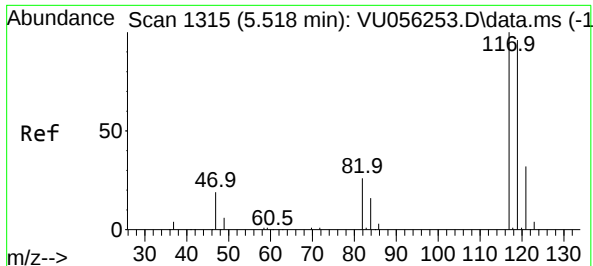
Ion Ratio Lower Upper

56 100

69 31.0 25.4 38.2

84 83.7 68.6 103.0

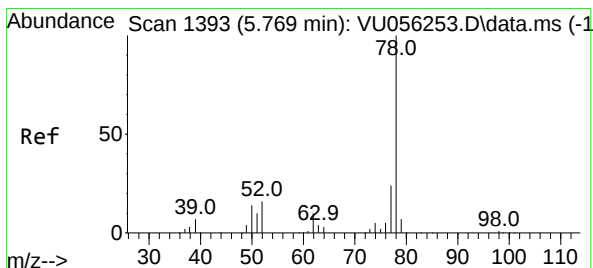
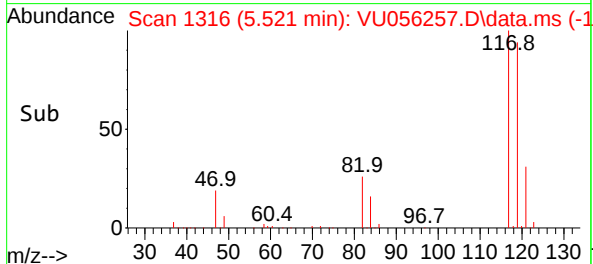
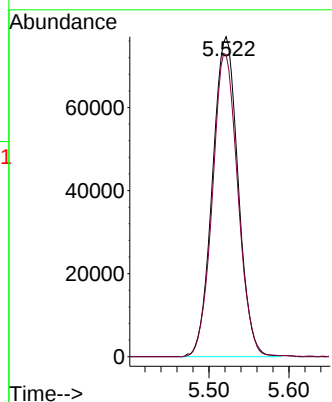
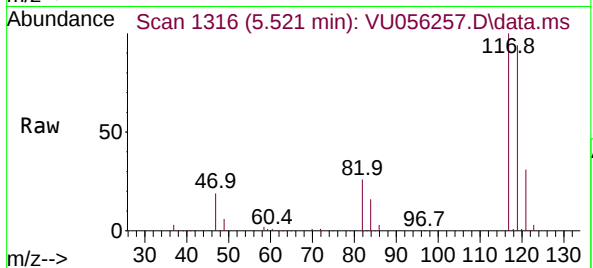




#31
Carbon tetrachloride
Concen: 5.695 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

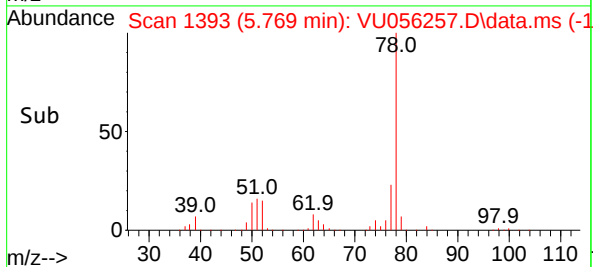
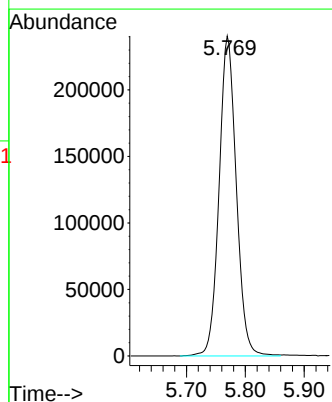
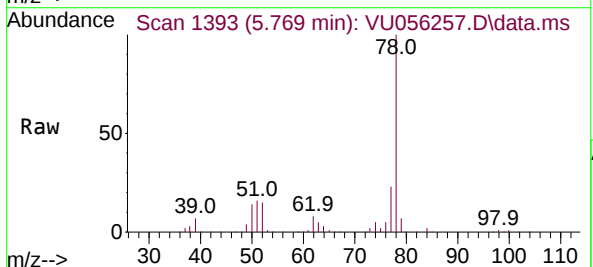
Instrument :
MSVOA_U
ClientSampleId :

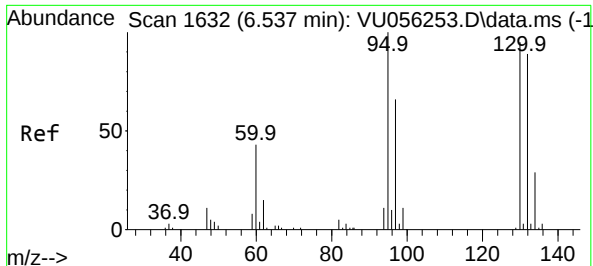
Tgt Ion:117 Resp: 171384
Ion Ratio Lower Upper
117 100
119 93.9 78.1 117.1



#33
Benzene
Concen: 5.613 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion: 78 Resp: 488793





#34

Trichloroethene

Concen: 5.534 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 131324

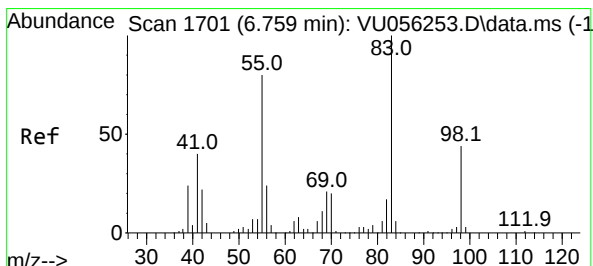
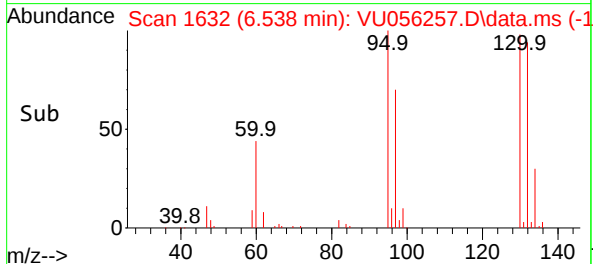
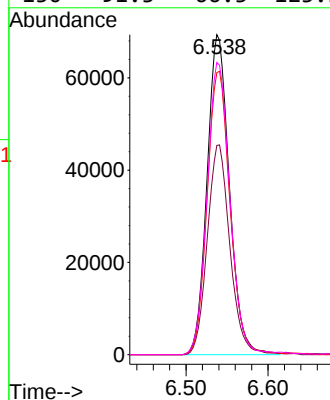
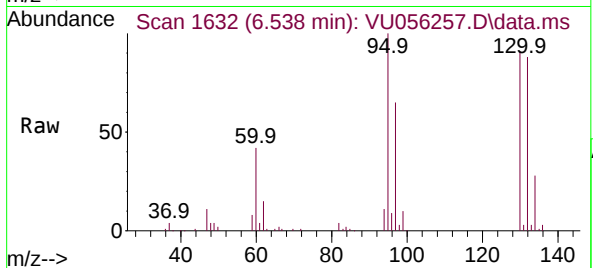
Ion Ratio Lower Upper

95 100

97 65.4 46.5 86.3

132 88.2 62.0 115.2

130 91.3 66.3 123.1



#35

Methylcyclohexane

Concen: 5.397 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

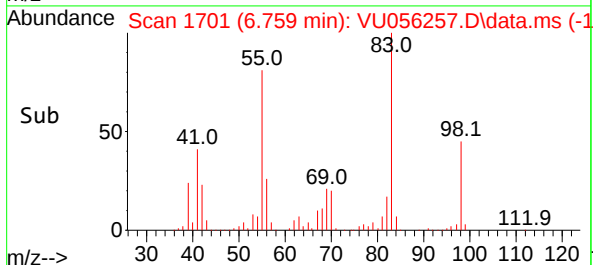
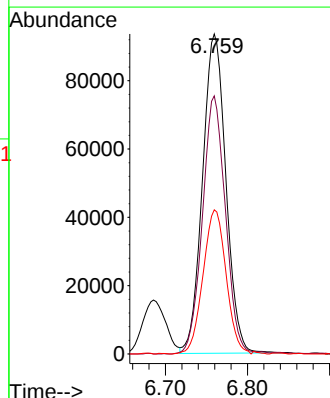
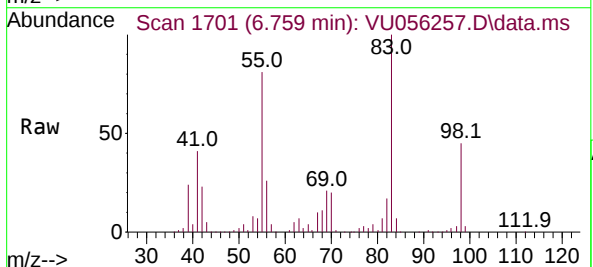
Tgt Ion: 83 Resp: 184892

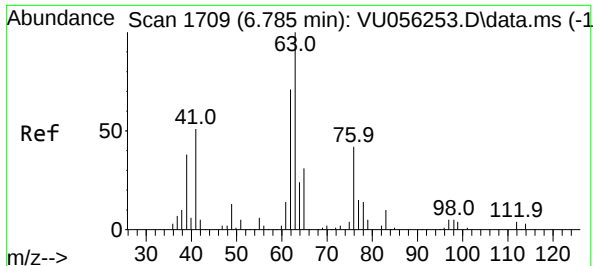
Ion Ratio Lower Upper

83 100

55 79.6 62.9 94.3

98 44.6 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.687 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

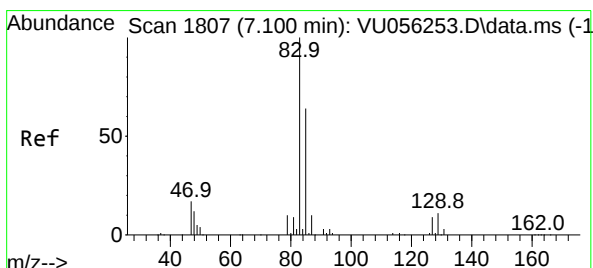
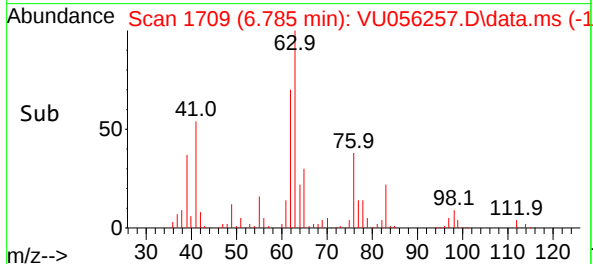
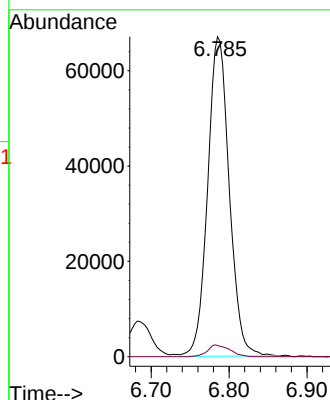
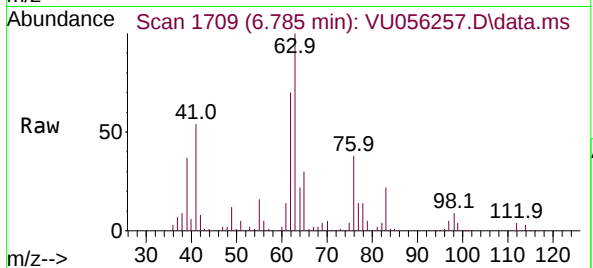
ClientSampleId :

Tgt Ion: 63 Resp: 129165

Ion Ratio Lower Upper

63 100

112 3.8 3.2 4.8



#38

Bromodichloromethane

Concen: 5.318 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

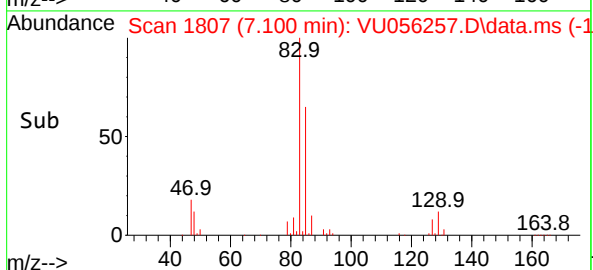
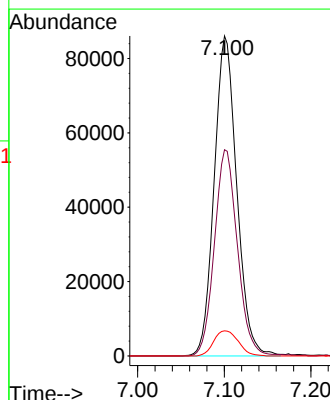
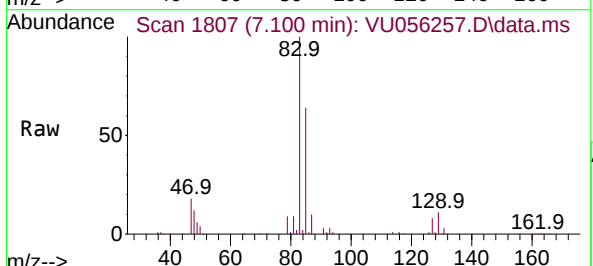
Tgt Ion: 83 Resp: 155914

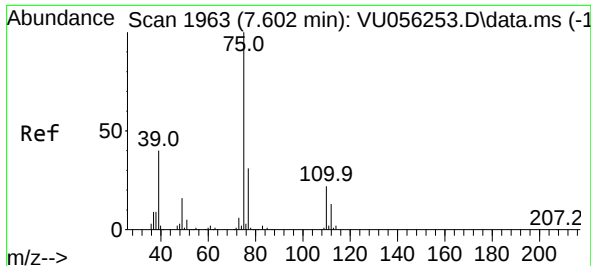
Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

127 7.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.505 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

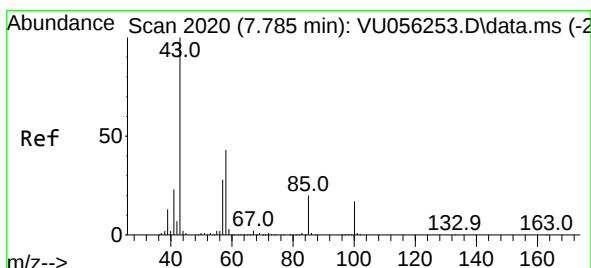
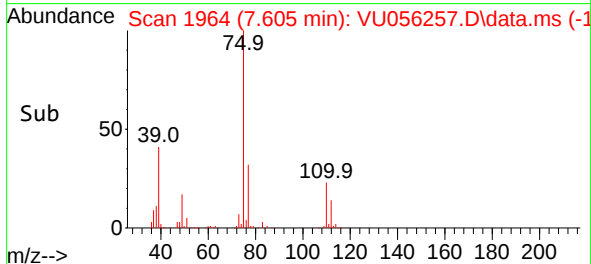
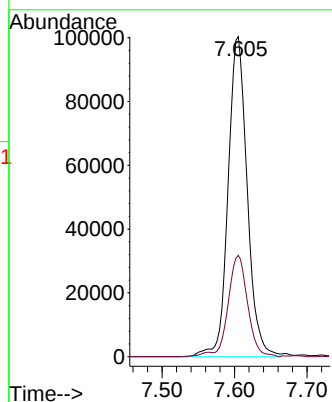
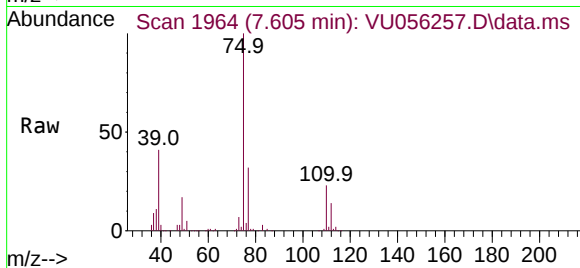
ClientSampleId :

Tgt Ion: 75 Resp: 183701

Ion Ratio Lower Upper

75 100

77 31.7 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 55.332 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

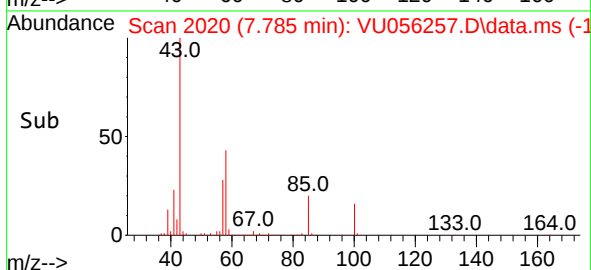
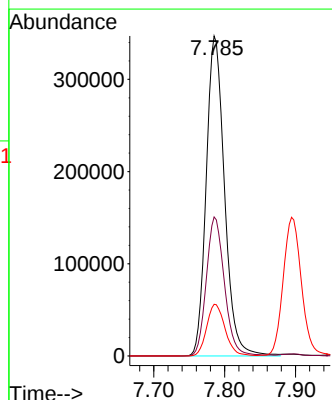
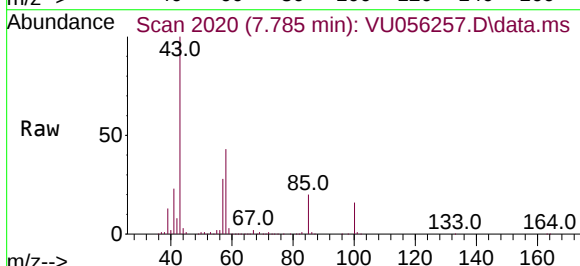
Tgt Ion: 43 Resp: 622932

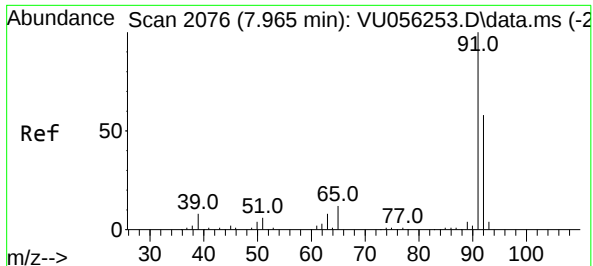
Ion Ratio Lower Upper

43 100

58 43.0 33.8 50.8

100 16.2 13.0 19.4





#42

Toluene

Concen: 5.677 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

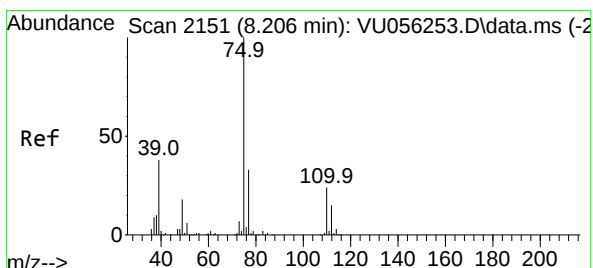
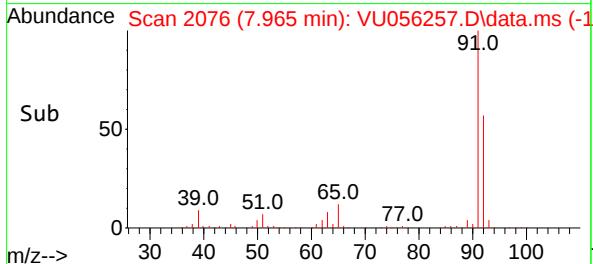
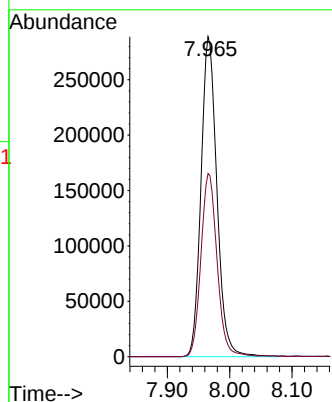
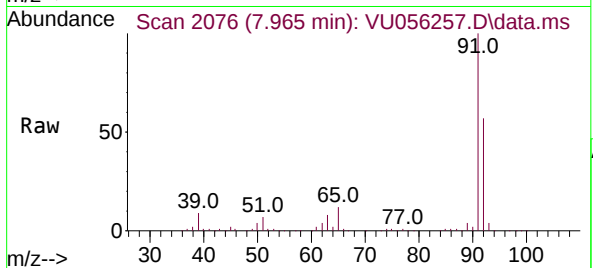
ClientSampleId :

Tgt Ion: 91 Resp: 511841

Ion Ratio Lower Upper

91 100

92 57.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.569 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056257.D

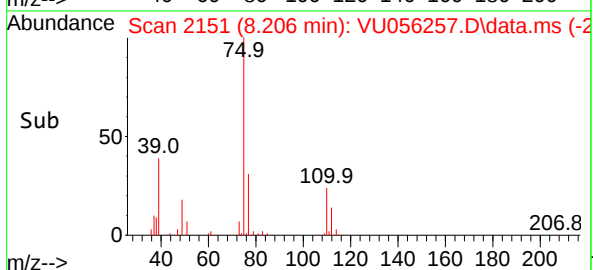
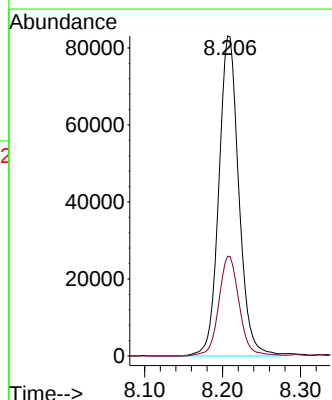
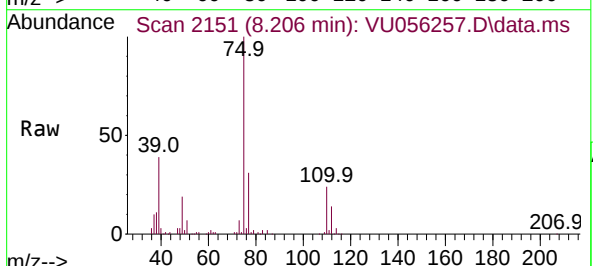
Acq: 13 Nov 2023 17:24

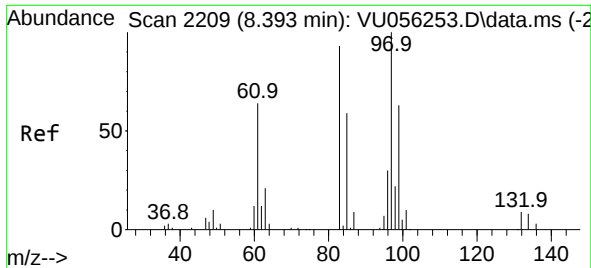
Tgt Ion: 75 Resp: 148162

Ion Ratio Lower Upper

75 100

77 31.2 22.8 42.4

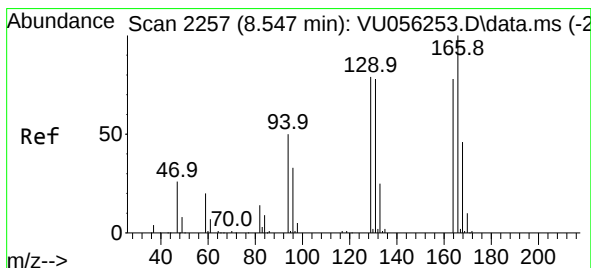
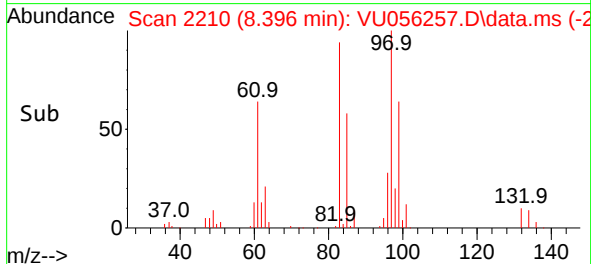
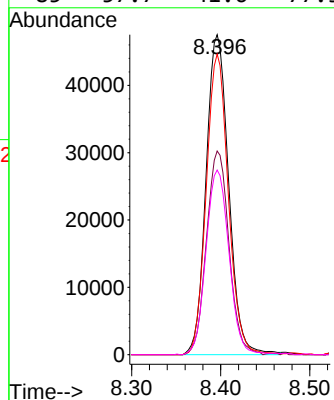
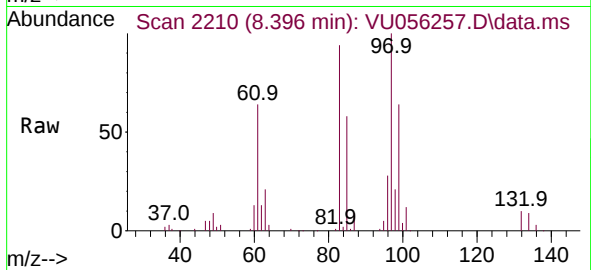




#45
1,1,2-Trichloroethane
Concen: 5.530 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

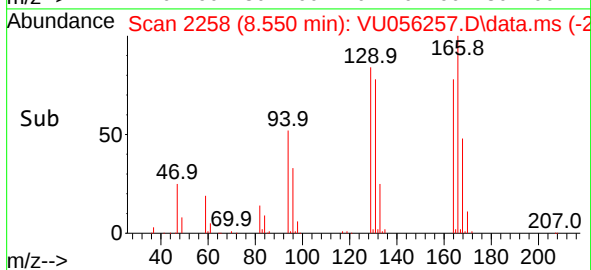
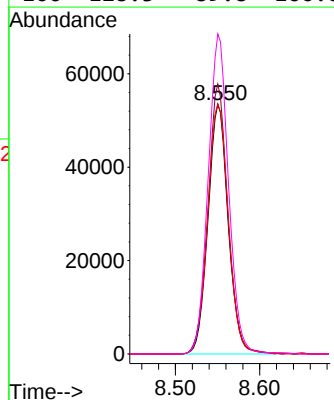
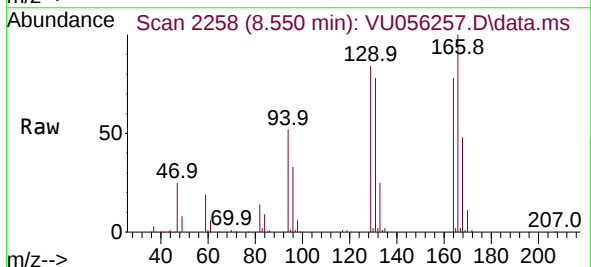
Instrument :
MSVOA_U
ClientSampleId :

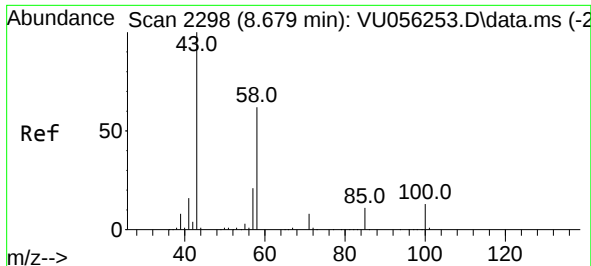
Tgt Ion: 97	Resp: 83642
Ion Ratio	Lower Upper
97 100	
99 63.7	44.3 82.3
83 94.0	65.4 121.4
85 57.7	41.6 77.3



#47
Tetrachloroethene
Concen: 5.577 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt	Ion:164	Resp:	89234
Ion	Ratio	Lower	Upper
164	100		
129	108.2	71.0	131.9
131	100.3	70.3	130.7
166	128.3	89.8	166.8

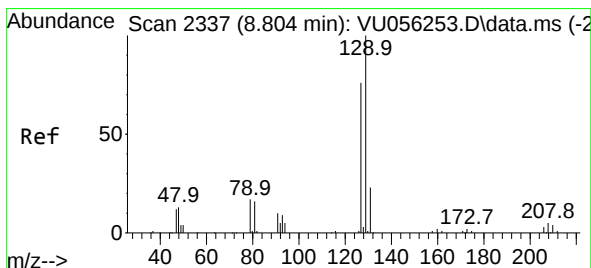
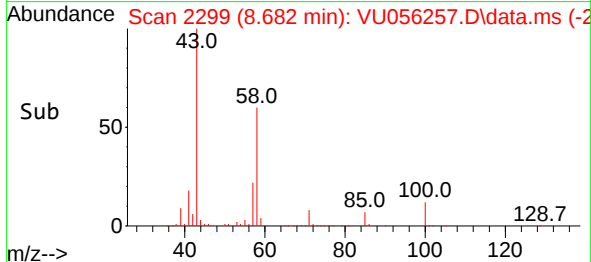
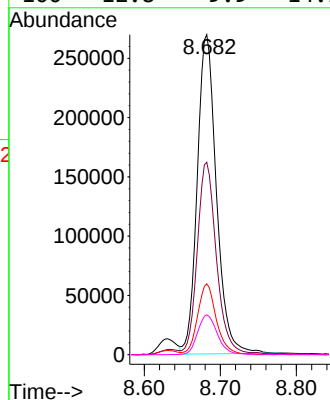
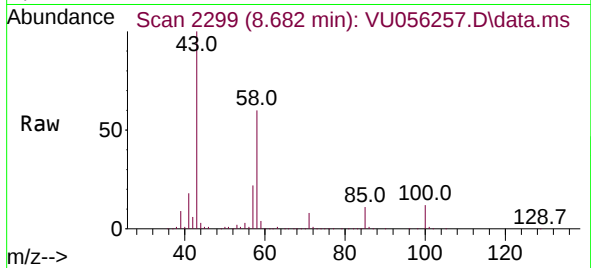




#48
2-Hexanone
Concen: 53.903 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

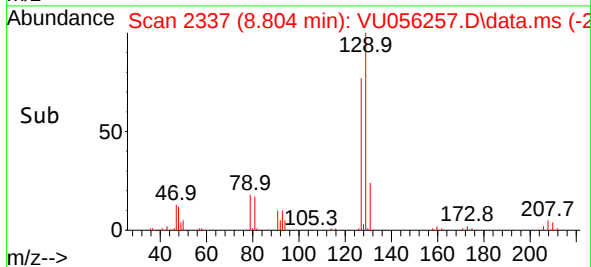
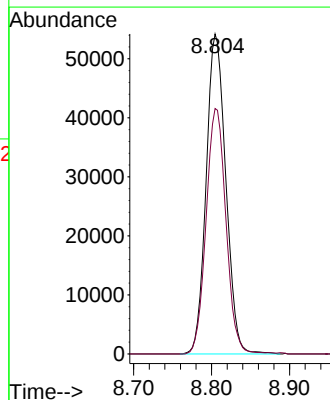
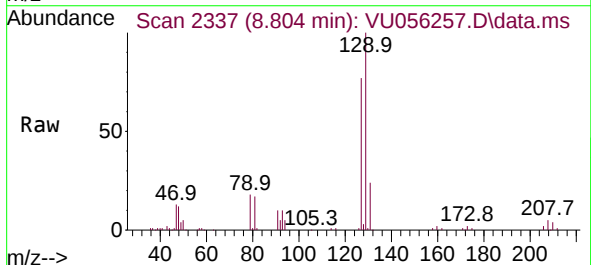
Instrument :
MSVOA_U
ClientSampleId :

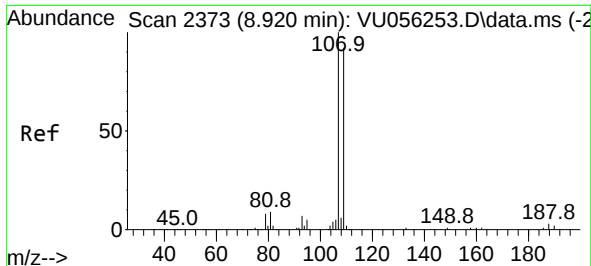
Tgt Ion: 43	Resp: 472760
Ion Ratio	Lower Upper
43 100	
58 59.7	48.7 73.1
57 21.9	16.8 25.2
100 12.8	9.9 14.9



#49
Dibromochloromethane
Concen: 5.514 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion:129	Resp: 94842		
Ion Ratio	Lower	Upper	
129 100			
127 76.7	52.9	98.3	





#50

1,2-Dibromoethane

Concen: 5.423 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

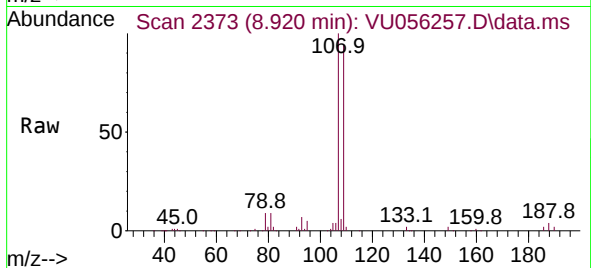
Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :



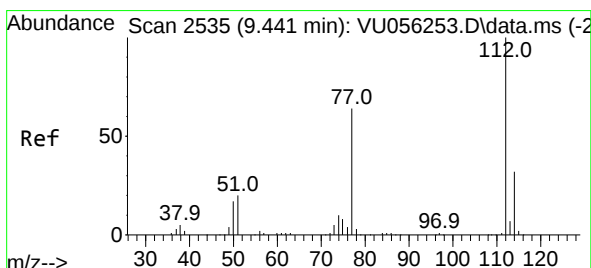
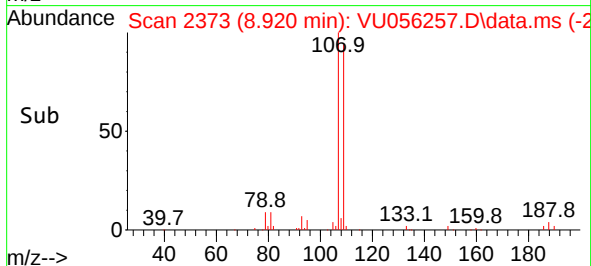
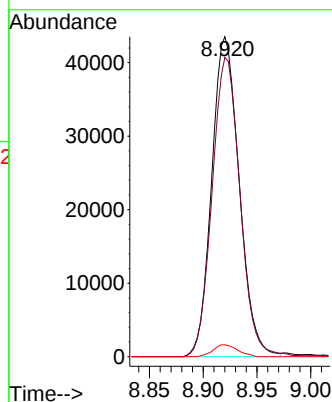
Tgt Ion:107 Resp: 77437

Ion Ratio Lower Upper

107 100

109 93.5 64.2 119.2

188 3.7 2.6 4.0



#51

Chlorobenzene

Concen: 5.555 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

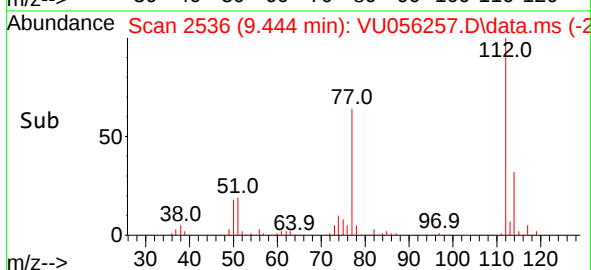
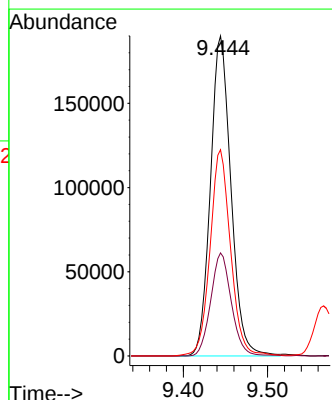
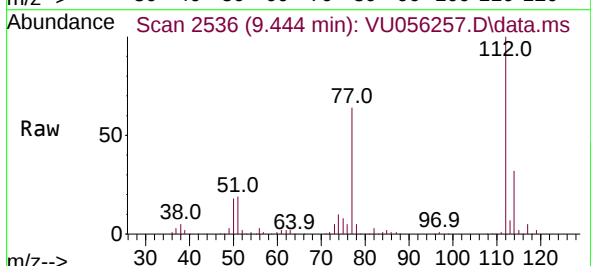
Tgt Ion:112 Resp: 321837

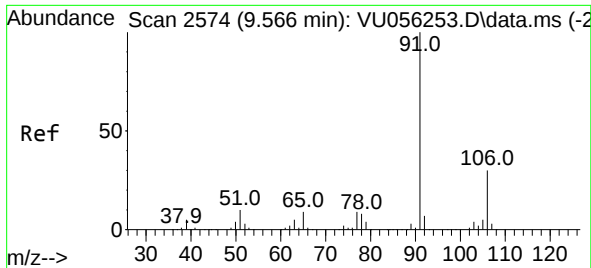
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

77 64.5 51.7 77.5

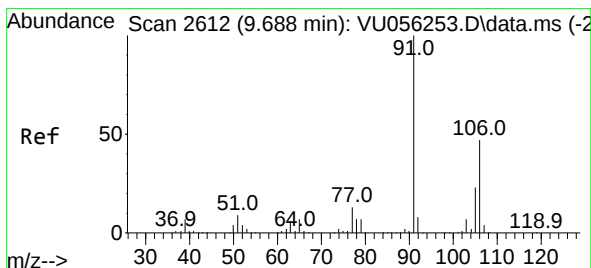
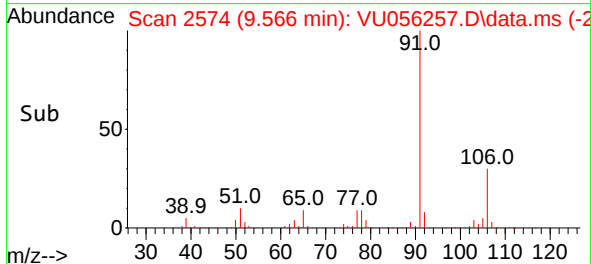
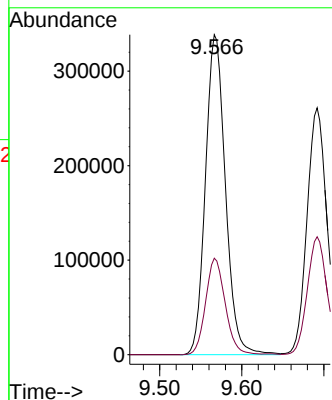
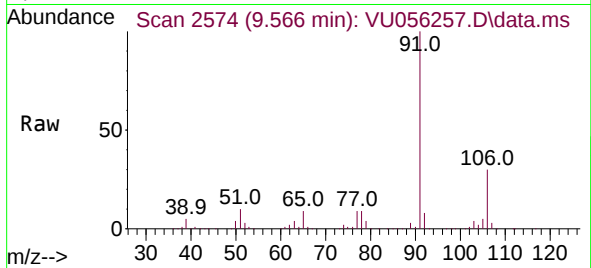




#52
Ethylbenzene
Concen: 5.716 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

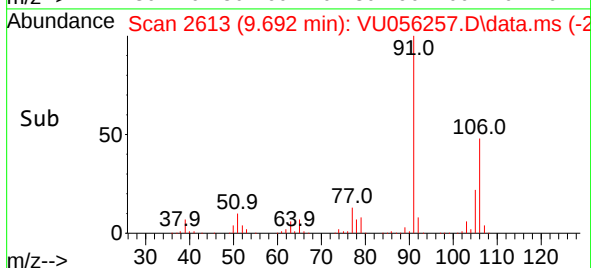
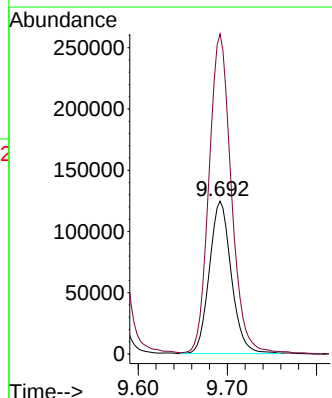
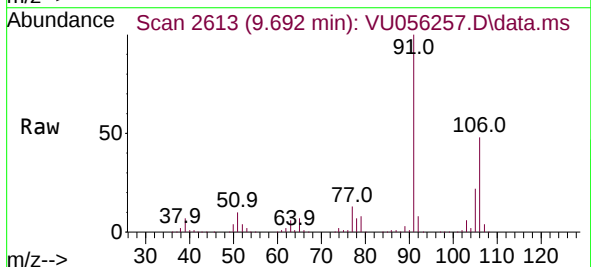
Instrument :
MSVOA_U
ClientSampleId :

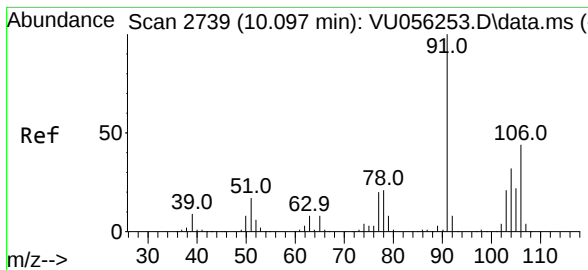
Tgt Ion: 91 Resp: 572314
Ion Ratio Lower Upper
91 100
106 30.1 21.1 39.1



#53
m,p-Xylene
Concen: 5.767 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion: 106 Resp: 212272
Ion Ratio Lower Upper
106 100
91 209.4 149.6 277.8

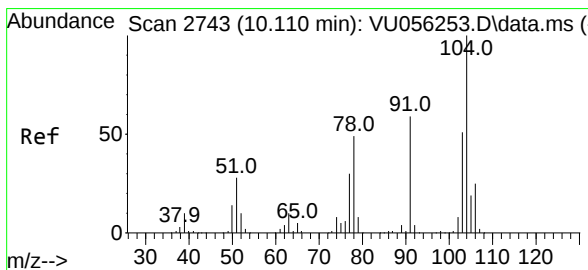
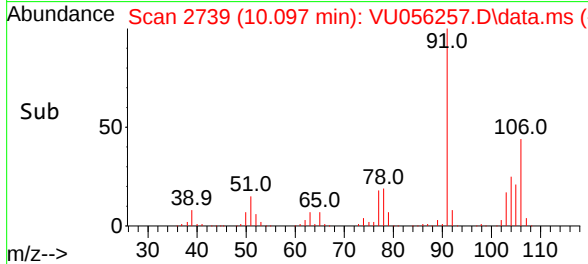
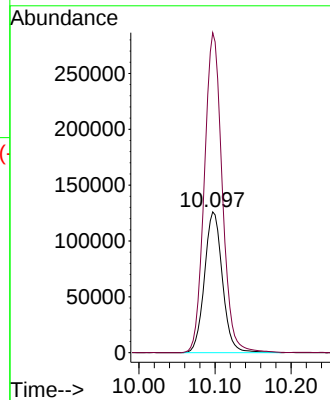
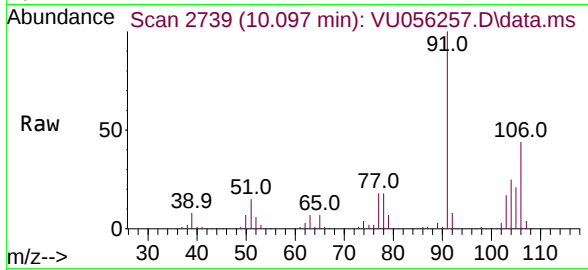




#54
o-Xylene
Concen: 5.769 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

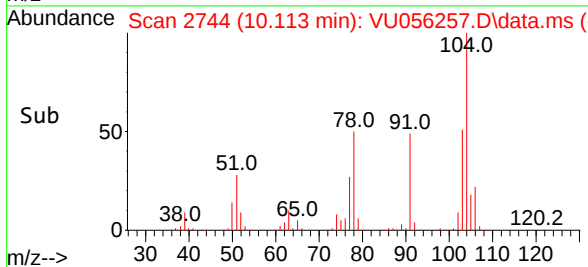
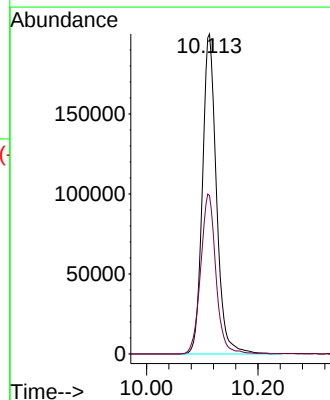
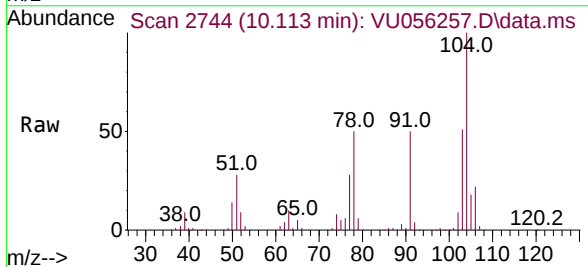
Instrument :
MSVOA_U
ClientSampleId :

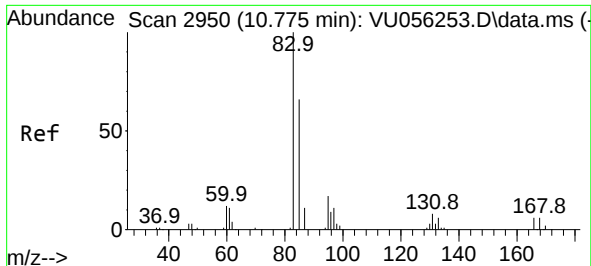
Tgt Ion:106 Resp: 206270
Ion Ratio Lower Upper
106 100
91 227.3 159.3 295.9



#55
Styrene
Concen: 5.894 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion:104 Resp: 350560
Ion Ratio Lower Upper
104 100
78 49.5 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.482 ug/L

RT: 10.779 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

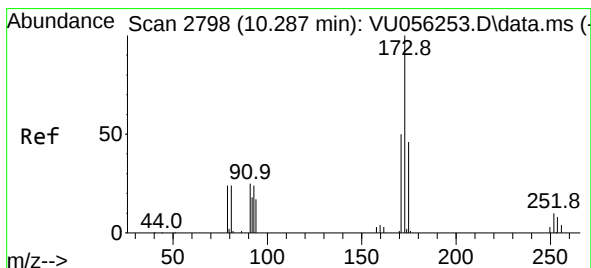
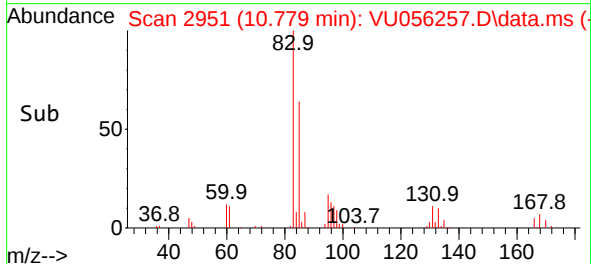
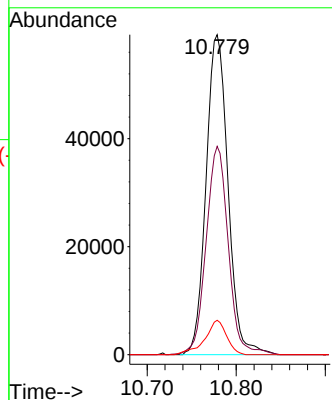
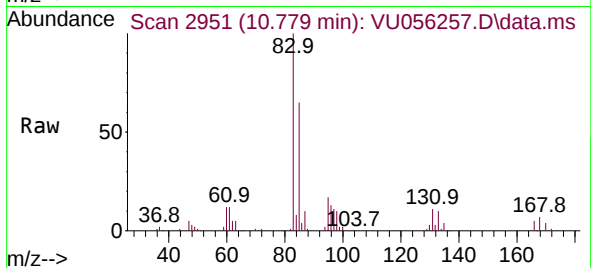
Tgt Ion: 83 Resp: 101240

Ion Ratio Lower Upper

83 100

85 65.1 46.3 86.1

131 10.7 6.7 10.1#



#59

Bromoform

Concen: 5.511 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

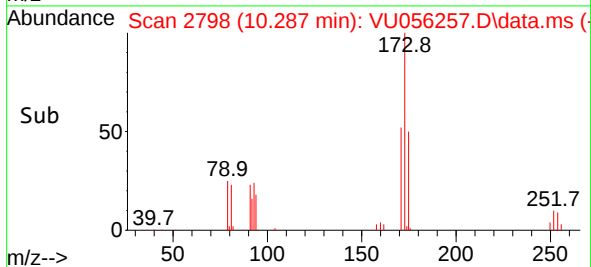
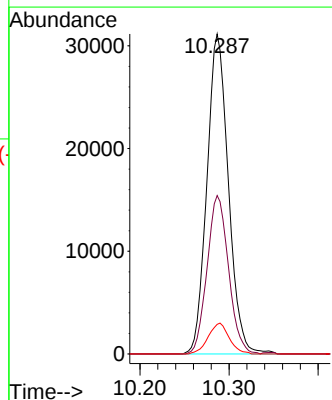
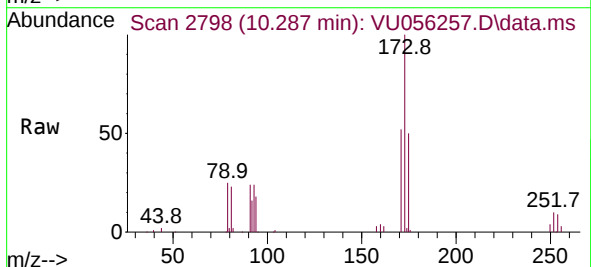
Tgt Ion:173 Resp: 52106

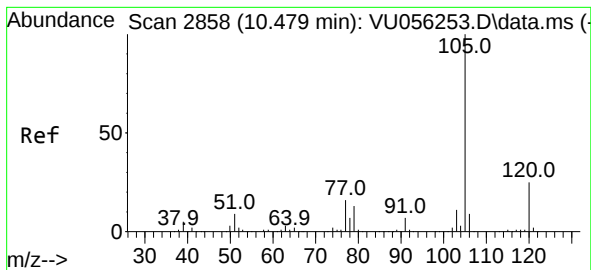
Ion Ratio Lower Upper

173 100

175 49.4 38.9 58.3

254 9.4 6.7 10.1





#60

Isopropylbenzene

Concen: 5.746 ug/L

RT: 10.483 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

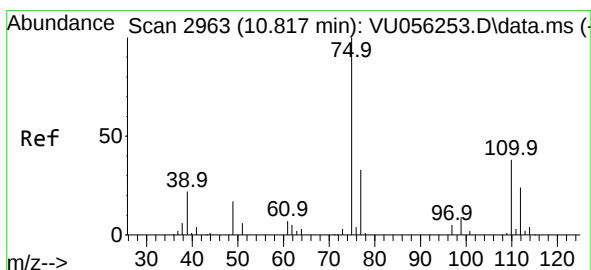
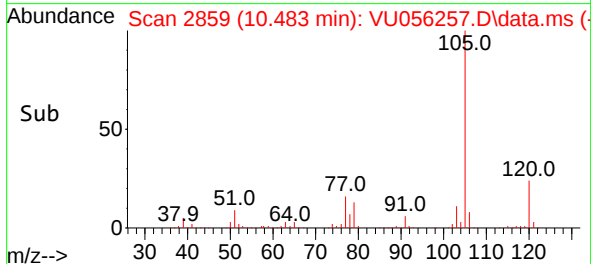
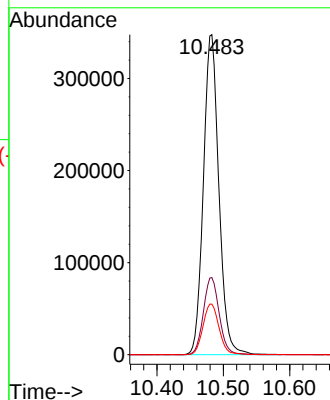
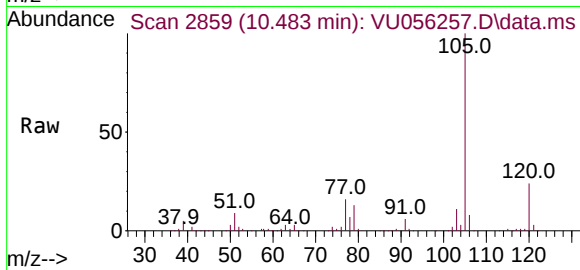
Tgt Ion:105 Resp: 562451

Ion Ratio Lower Upper

105 100

120 24.7 20.4 30.6

77 16.5 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.513 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

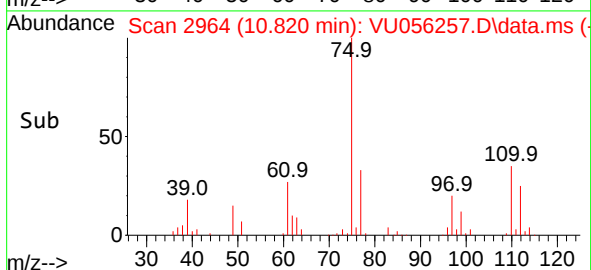
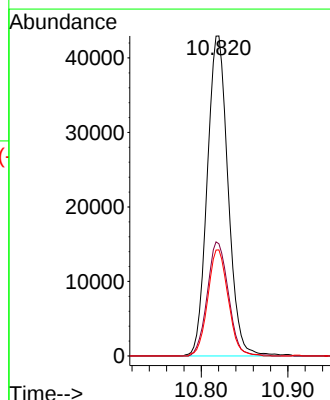
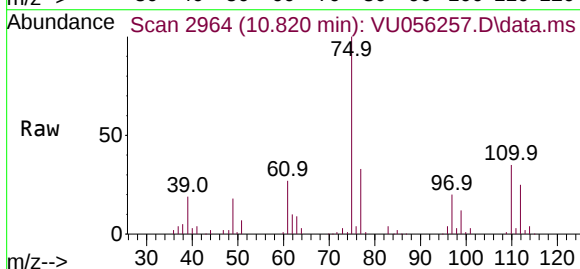
Tgt Ion: 75 Resp: 71799

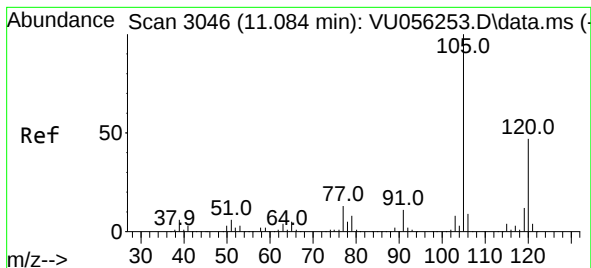
Ion Ratio Lower Upper

75 100

110 36.0 30.4 45.6

77 32.5 27.0 40.6

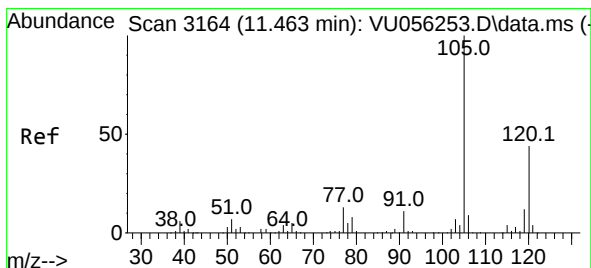
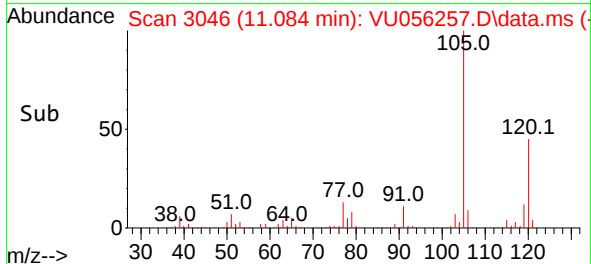
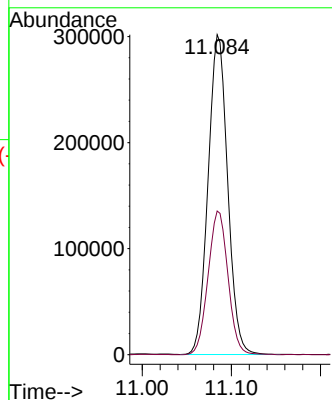
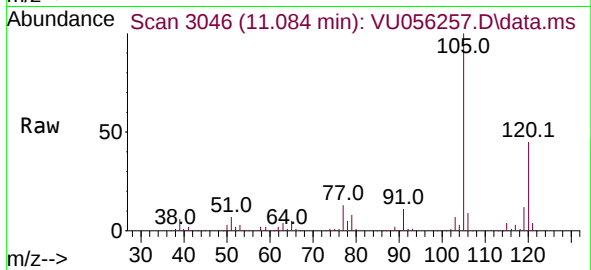




#62
1,3,5-Trimethylbenzene
Concen: 5.707 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

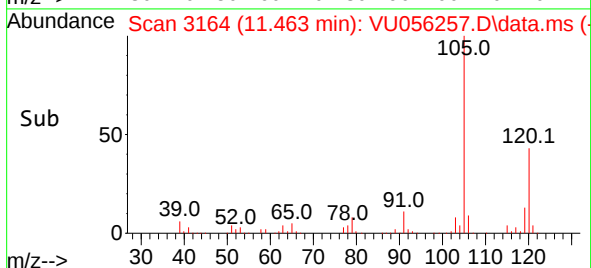
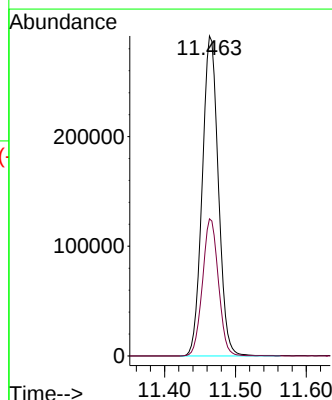
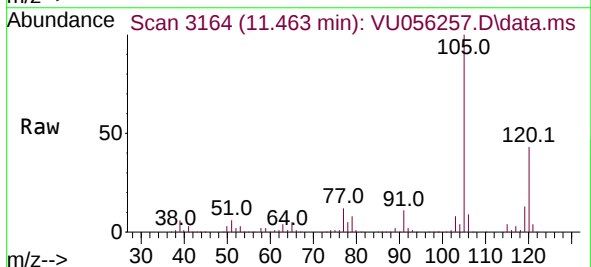
Instrument :
MSVOA_U
ClientSampleId :

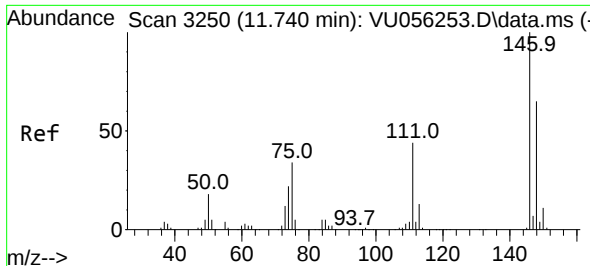
Tgt Ion:105 Resp: 458685
Ion Ratio Lower Upper
105 100
120 45.8 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 5.805 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion:105 Resp: 460558
Ion Ratio Lower Upper
105 100
120 42.3 34.0 51.0

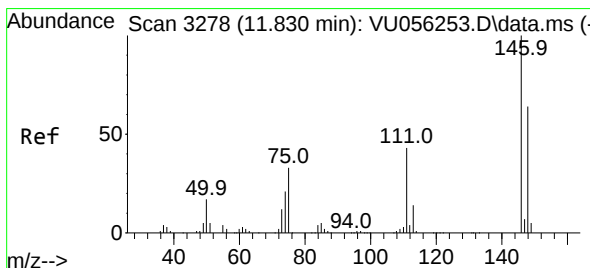
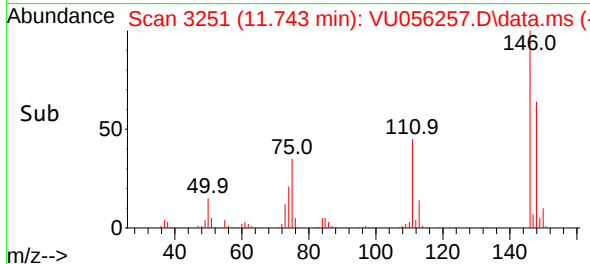
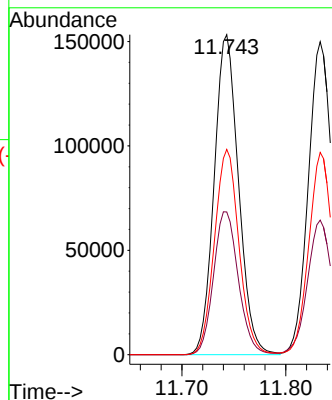
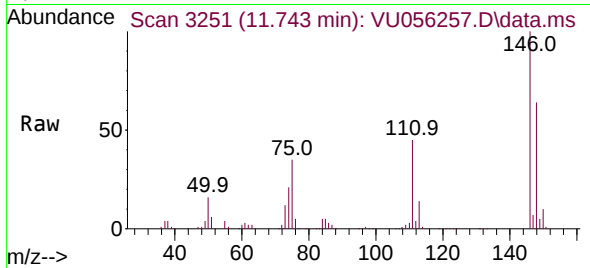




#64
1,3-Dichlorobenzene
Concen: 5.606 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

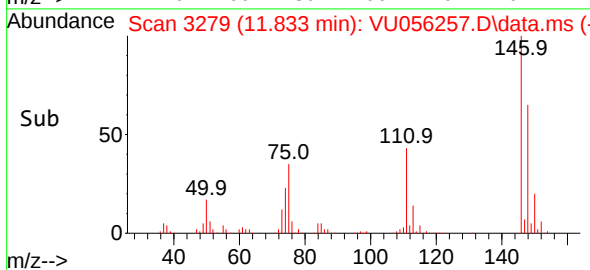
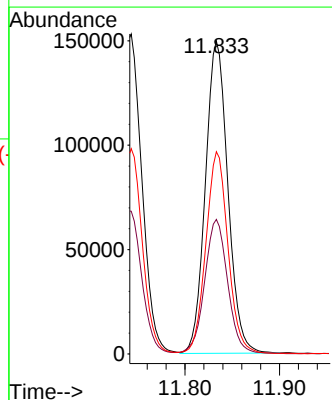
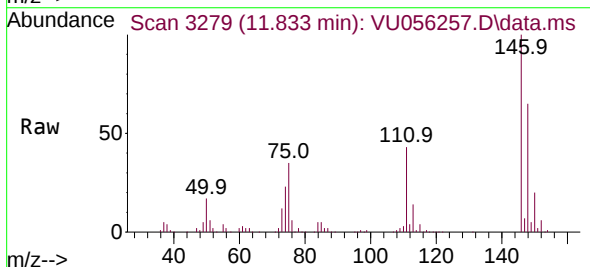
Instrument :
MSVOA_U
ClientSampleId :

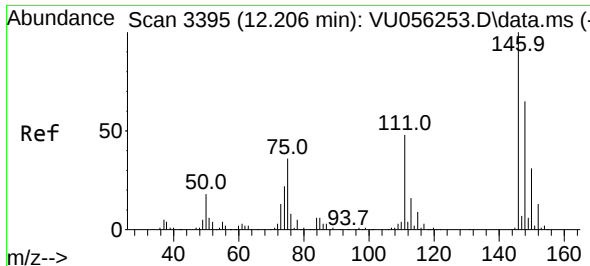
Tgt Ion:146 Resp: 249629
Ion Ratio Lower Upper
146 100
111 44.6 31.1 57.7
148 64.2 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.530 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU056257.D
Acq: 13 Nov 2023 17:24

Tgt Ion:146 Resp: 247023
Ion Ratio Lower Upper
146 100
111 43.0 30.5 56.7
148 64.6 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.592 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

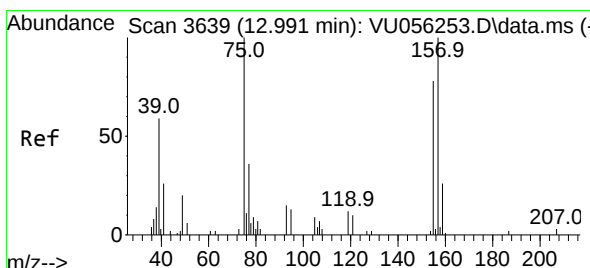
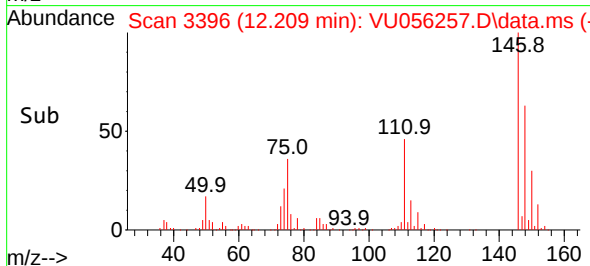
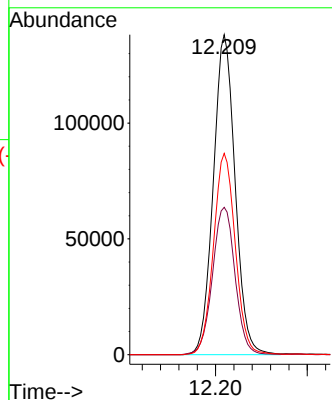
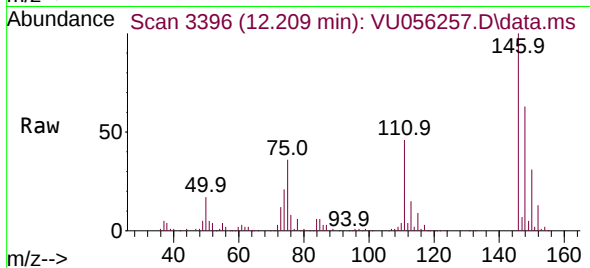
Tgt Ion:146 Resp: 228429

Ion Ratio Lower Upper

146 100

111 46.1 38.3 57.5

148 62.9 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.196 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

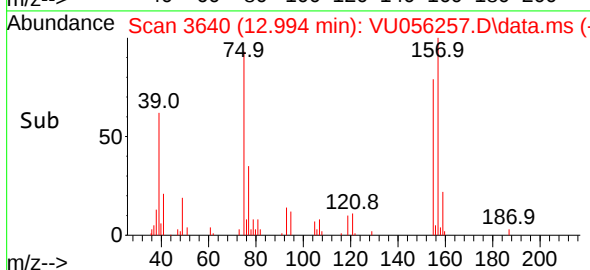
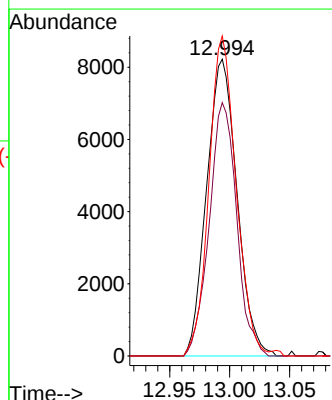
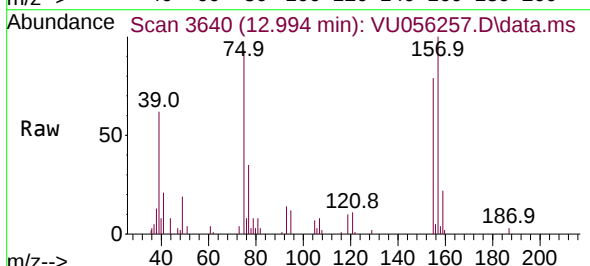
Tgt Ion: 75 Resp: 14455

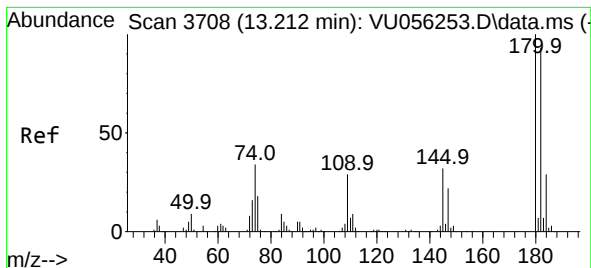
Ion Ratio Lower Upper

75 100

155 85.3 62.4 93.6

157 107.8 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.495 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 184213

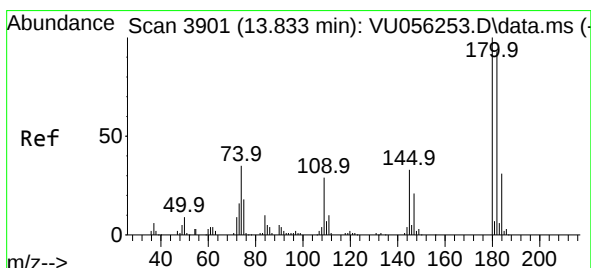
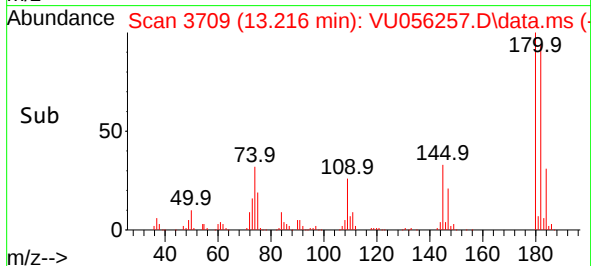
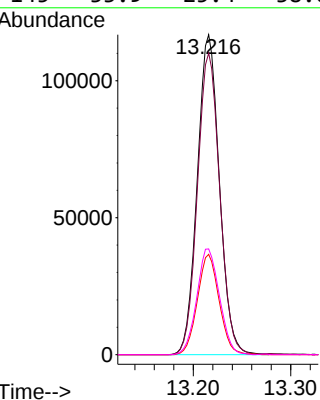
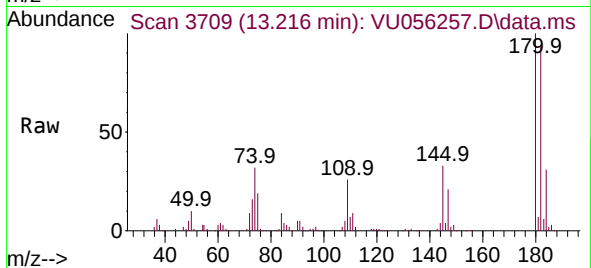
Ion Ratio Lower Upper

180 100

182 95.0 75.1 112.7

184 30.8 23.5 35.3

145 33.9 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.430 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

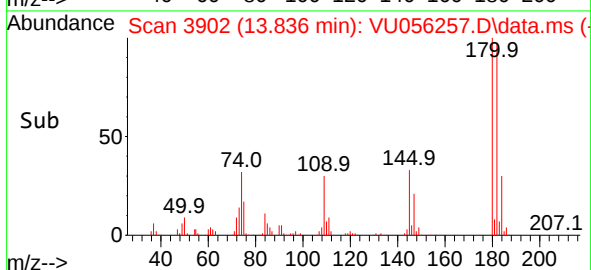
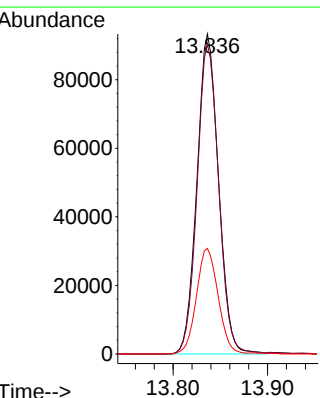
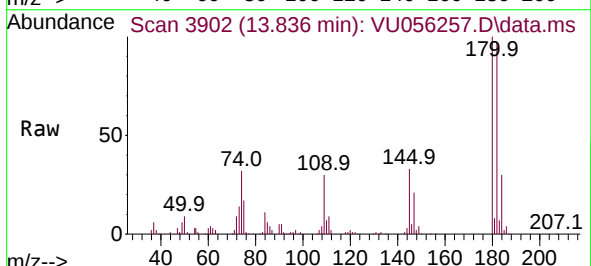
Tgt Ion:180 Resp: 148265

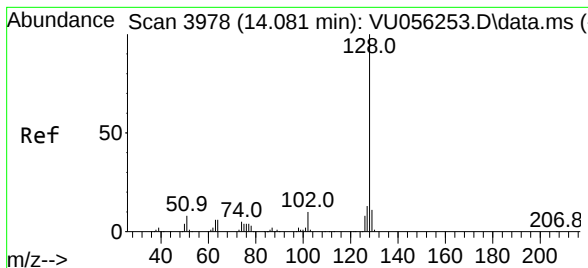
Ion Ratio Lower Upper

180 100

182 96.4 75.4 113.2

145 33.1 26.8 40.2





#71

Naphthalene

Concen: 5.485 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

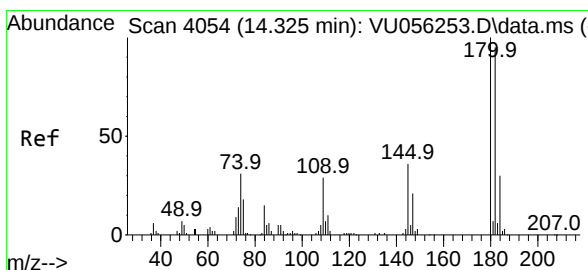
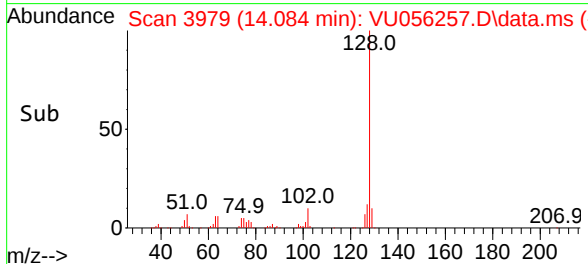
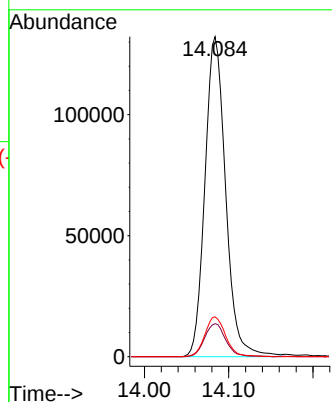
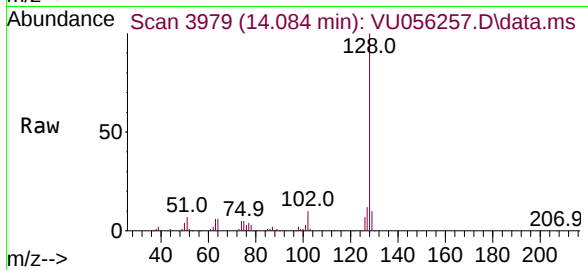
Tgt Ion:128 Resp: 226310

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

127 12.6 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.632 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056257.D

Acq: 13 Nov 2023 17:24

Tgt Ion:180 Resp: 126692

Ion Ratio Lower Upper

180 100

182 93.1 78.6 117.8

145 34.9 29.0 43.6

