

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091523\
 Data File : VU055340.D
 Acq On : 15 Sep 2023 15:06
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 16 00:35:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	244558	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	241462	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	130227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	67014	4.768	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.907	69	86881	5.476	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.600%
11) 1,1-Dichloroethene-d2	2.550	65	24946	4.906	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.200%
20) 2-Butanone-d5	4.637	46	207948	53.498	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.000%
24) Chloroform-d	5.058	84	160163	5.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.698	65	80221	5.064	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.721	84	282471	5.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.600%
36) 1,2-Dichloropropane-d6	6.685	67	94699	5.491	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.800%
41) Toluene-d8	7.894	98	238922	5.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.400%
43) trans-1,3-Dichloroprop...	8.177	79	34302	5.605	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.200%
46) 2-Hexanone-d5	8.647	63	145448	65.326	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.660%#
56) 1,1,2,2-Tetrachloroeth...	10.759	84	80799	5.387	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	91673	5.466	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	104569	4.481	ug/L	100
3) Chloromethane	1.518	50	102140	4.548	ug/L	95
5) Vinyl chloride	1.602	62	108349	4.468	ug/L	97
6) Bromomethane	1.856	94	81962	4.431	ug/L	98
8) Chloroethane	1.927	64	105504	5.409	ug/L	96
9) Trichlorofluoromethane	2.120	101	236641	6.099	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	87033	4.498	ug/L	98
12) 1,1-Dichloroethene	2.563	96	82965	4.825	ug/L	98
13) Acetone	2.644	43	115179	45.949	ug/L	99
14) Carbon disulfide	2.779	76	252865	4.651	ug/L	100
15) Methyl Acetate	2.952	43	28404	4.800	ug/L	92
16) Methylene chloride	3.033	84	101653	3.968	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	208121	5.049	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	92345	4.884	ug/L	96
19) 1,1-Dichloroethane	3.859	63	177860	4.836	ug/L	99
21) 2-Butanone	4.714	43	198074	47.730	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	106583	4.814	ug/L	98
23) Bromochloromethane	4.968	128	43107	4.790	ug/L	91
25) Chloroform	5.081	83	182549	4.584	ug/L	98

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 16 00:35:47 2023
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 Quant Title : TRACE VOA SFAM1.0
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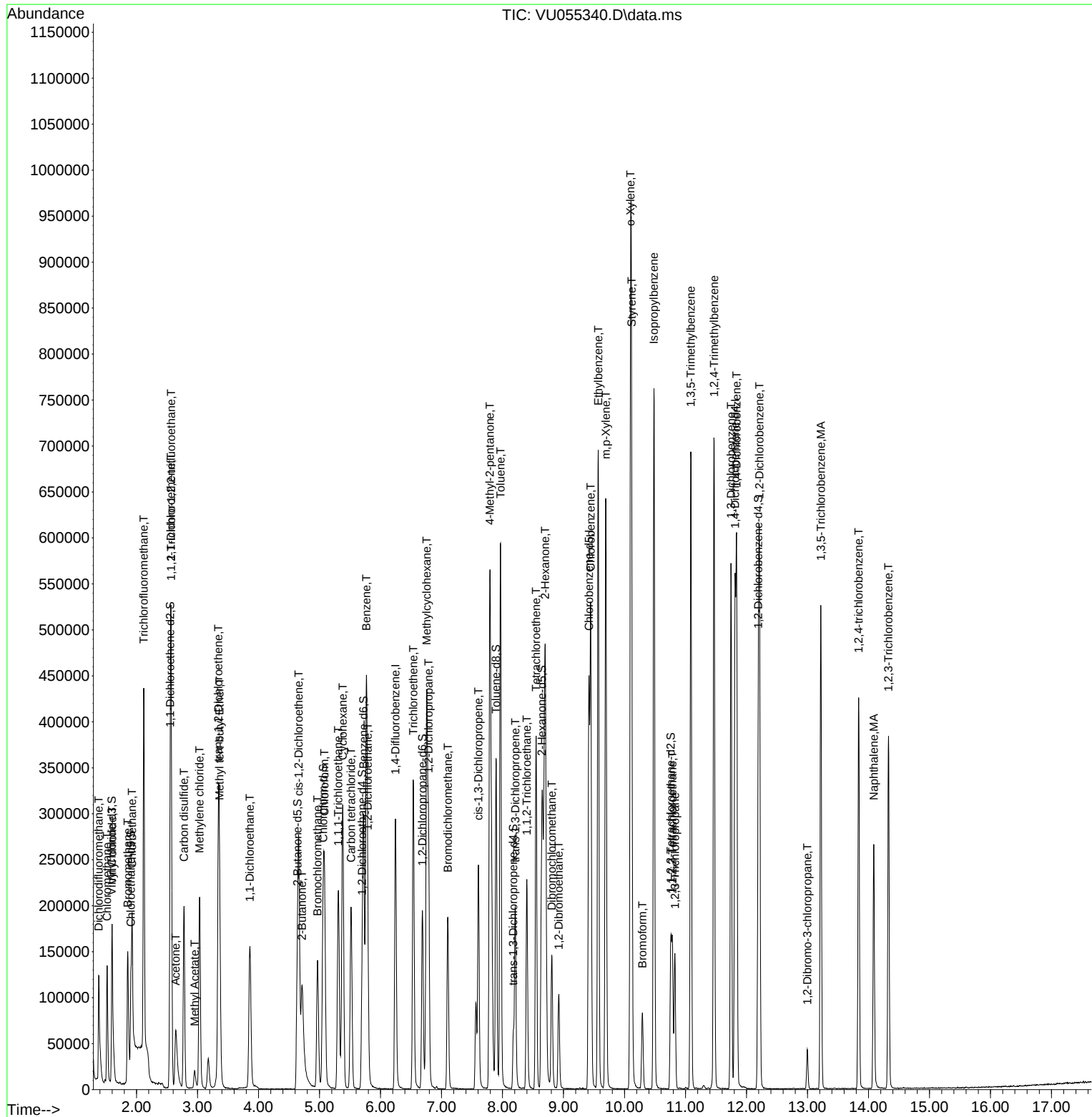
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	113412	4.594	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	159334	5.193	ug/L	98
30) Cyclohexane	5.380	56	151942	5.245	ug/L	97
31) Carbon tetrachloride	5.518	117	134092	5.138	ug/L	98
33) Benzene	5.769	78	404705	5.064	ug/L	100
34) Trichloroethene	6.537	95	114989	5.055	ug/L	95
35) Methylcyclohexane	6.759	83	171729	5.194	ug/L	99
37) 1,2-Dichloropropane	6.788	63	103708	4.941	ug/L	99
38) Bromodichloromethane	7.103	83	120305	4.804	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	147288	5.164	ug/L	99
40) 4-Methyl-2-pentanone	7.795	43	527388	52.955	ug/L	98
42) Toluene	7.968	91	446794	5.101	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	116230	5.197	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	73903	5.080	ug/L	98
47) Tetrachloroethene	8.550	164	80990	5.195	ug/L	95
48) 2-Hexanone	8.698	43	432423	57.611	ug/L	98
49) Dibromochloromethane	8.807	129	75407	5.066	ug/L	99
50) 1,2-Dibromoethane	8.923	107	69343	5.111	ug/L #	100
51) Chlorobenzene	9.447	112	282491	5.000	ug/L	98
52) Ethylbenzene	9.569	91	489516	5.090	ug/L	98
53) m,p-Xylene	9.695	106	188299	5.176	ug/L	99
54) o-Xylene	10.100	106	183994	5.331	ug/L	95
55) Styrene	10.116	104	311485	5.404	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.785	83	80291	5.018	ug/L	97
59) Bromoform	10.293	173	37952	5.006	ug/L	98
60) Isopropylbenzene	10.483	105	494565	5.201	ug/L	100
61) 1,2,3-Trichloropropane	10.827	75	63167	5.009	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	385391	5.273	ug/L	100
63) 1,2,4-Trimethylbenzene	11.470	105	401227	5.407	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	220849	5.041	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	219515	5.128	ug/L	99
67) 1,2-Dichlorobenzene	12.212	146	201151	5.122	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.997	75	10424	4.834	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.219	180	153919	5.158	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	122665	5.356	ug/L	99
71) Naphthalene	14.087	128	216007	6.559	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	108771	5.486	ug/L	98

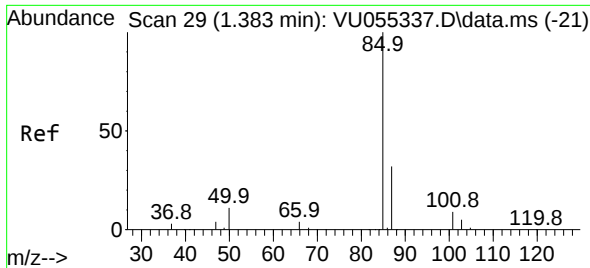
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 16 00:35:47 2023
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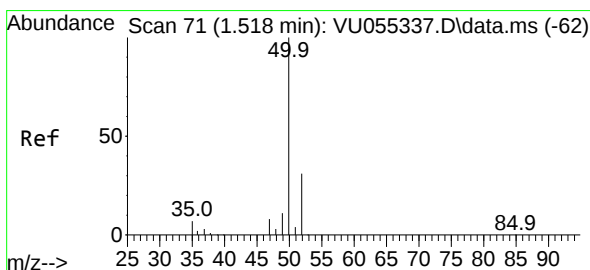
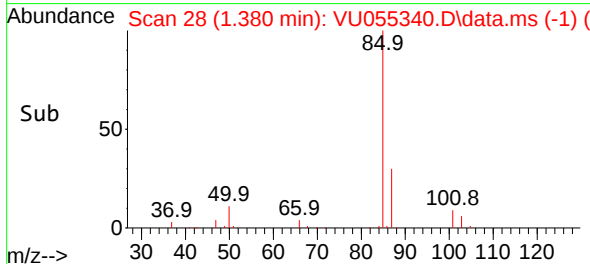
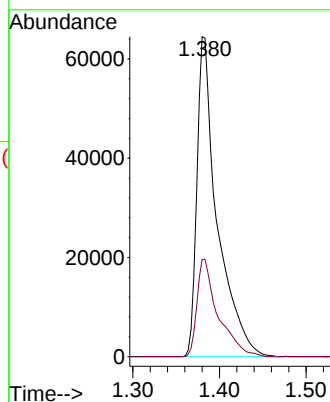
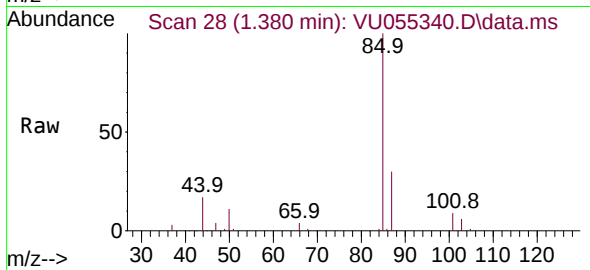




#2
 Dichlorodifluoromethane
 Concen: 4.481 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

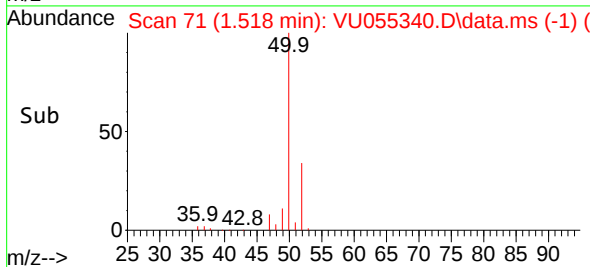
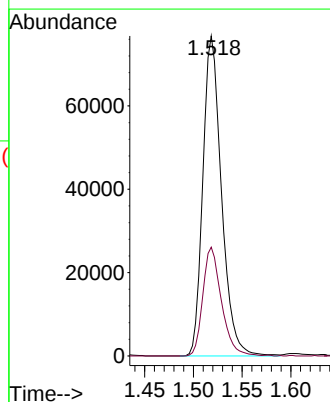
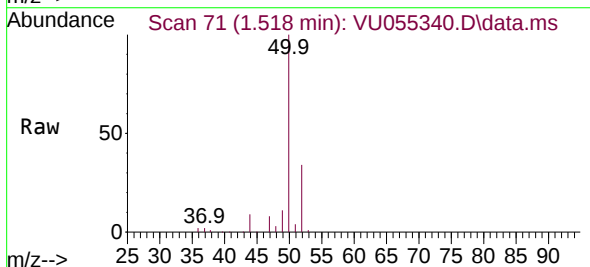
Instrument :
 MSVOA_U
 ClientSampleId :

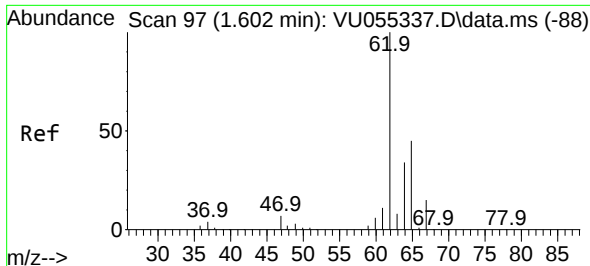
Tgt Ion: 85 Resp: 104569
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.3 37.9



#3
 Chloromethane
 Concen: 4.548 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

Tgt Ion: 50 Resp: 102140
 Ion Ratio Lower Upper
 50 100
 52 34.0 22.0 40.8

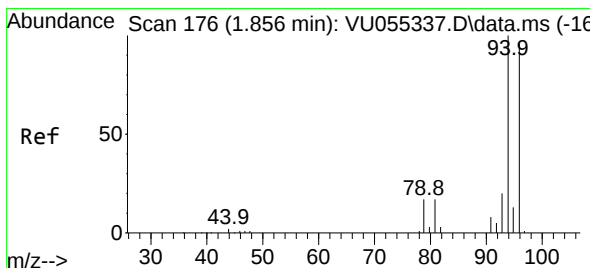
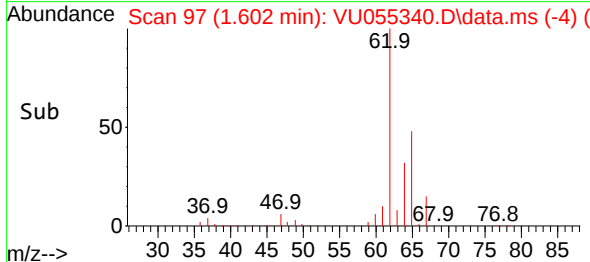
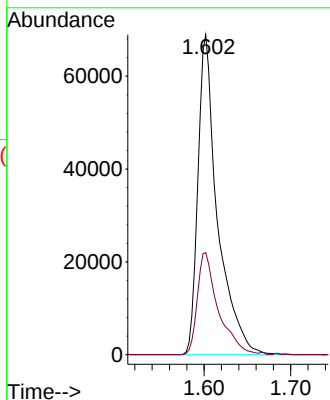
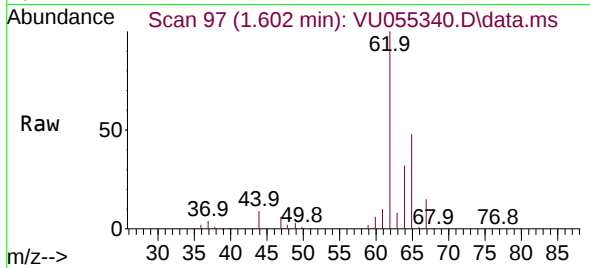




#5
 Vinyl chloride
 Concen: 4.468 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

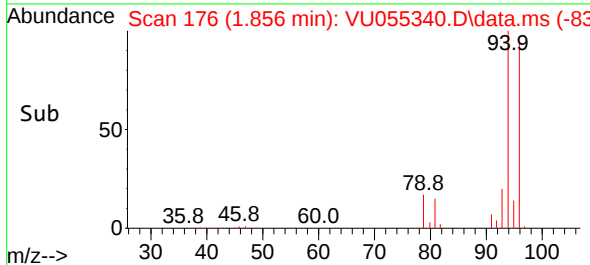
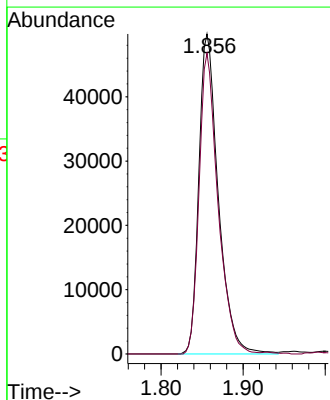
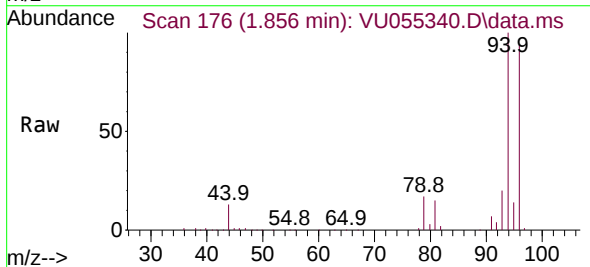
Instrument :
 MSVOA_U
 ClientSampleId :

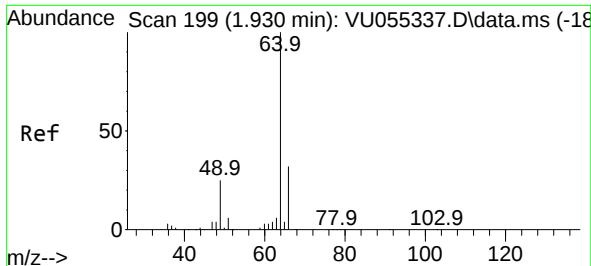
Tgt Ion: 62 Resp: 108349
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.4 43.6



#6
 Bromomethane
 Concen: 4.431 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

Tgt Ion: 94 Resp: 81962
 Ion Ratio Lower Upper
 94 100
 96 93.9 66.9 124.3





#8

Chloroethane

Concen: 5.409 ug/L

RT: 1.927 min Scan# 19

Delta R.T. -0.003 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

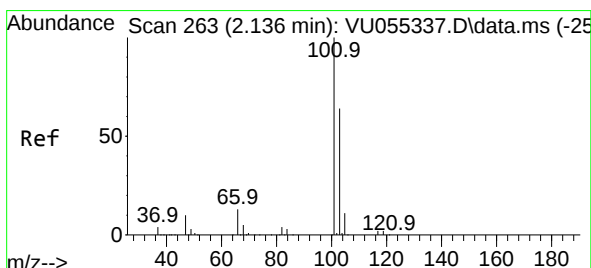
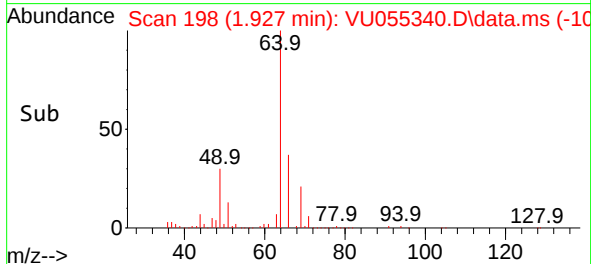
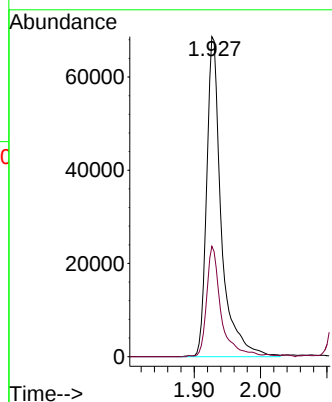
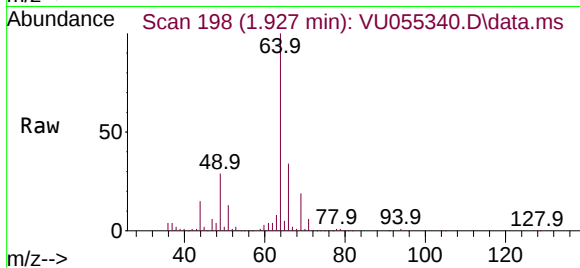
ClientSampleId :

Tgt Ion: 64 Resp: 105504

Ion Ratio Lower Upper

64 100

66 34.5 22.7 42.1



#9

Trichlorofluoromethane

Concen: 6.099 ug/L

RT: 2.120 min Scan# 258

Delta R.T. -0.016 min

Lab File: VU055340.D

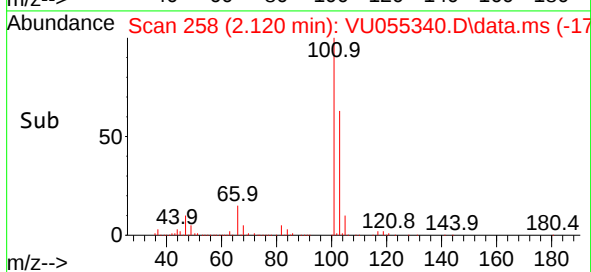
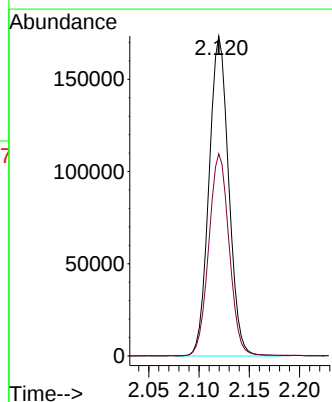
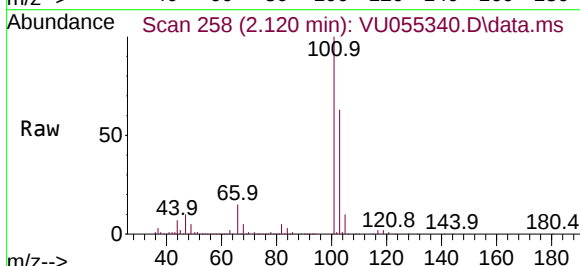
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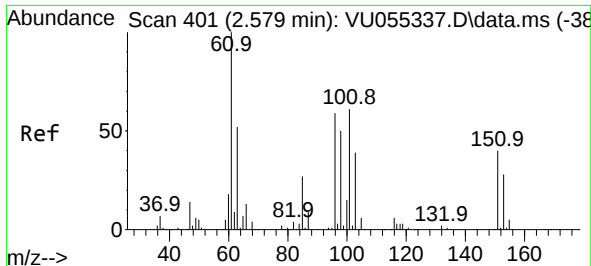
Tgt Ion:101 Resp: 236641

Ion Ratio Lower Upper

101 100

103 65.0 51.8 77.8

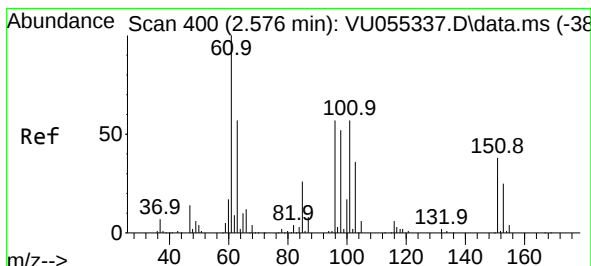
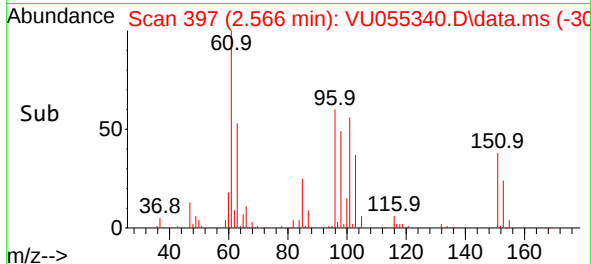
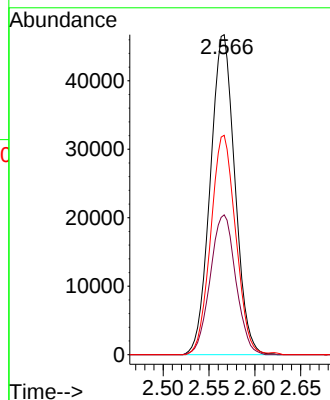
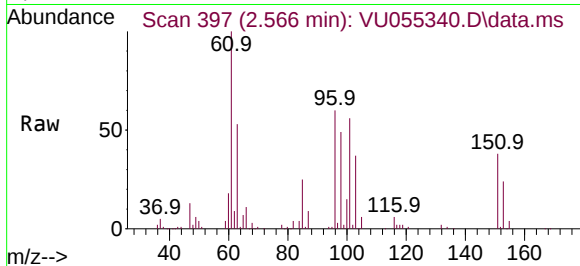




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.498 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.013 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

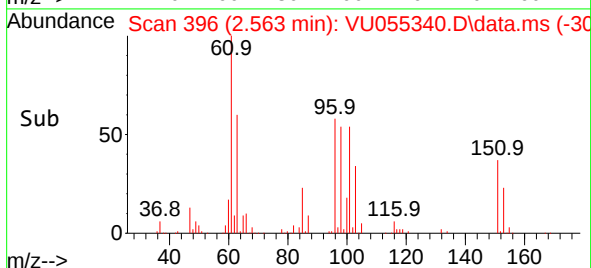
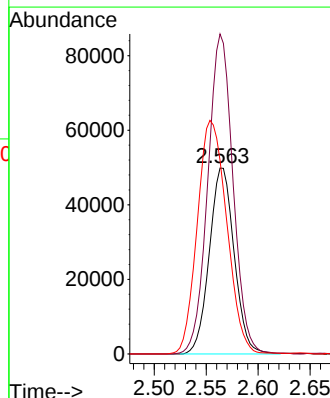
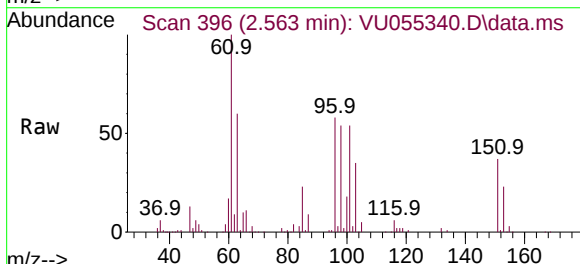
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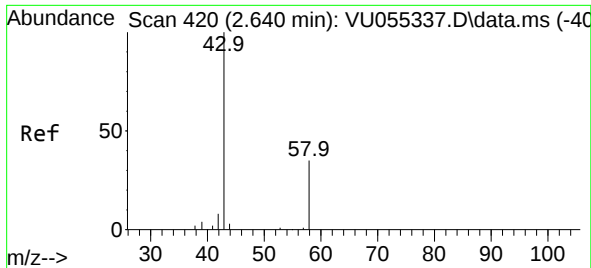
Tgt Ion:101 Resp: 87033
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.5 54.7
 151 69.7 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 4.825 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.013 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

Tgt Ion: 96 Resp: 82965
 Ion Ratio Lower Upper
 96 100
 61 172.2 122.8 228.0
 63 104.1 71.7 133.3





#13

Acetone

Concen: 45.949 ug/L

RT: 2.644 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

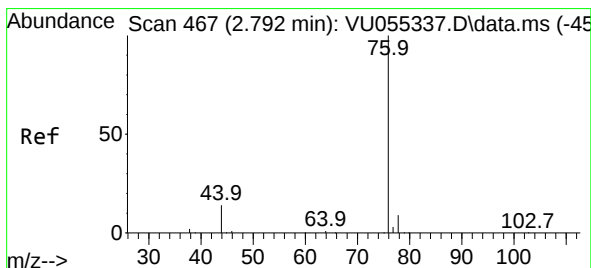
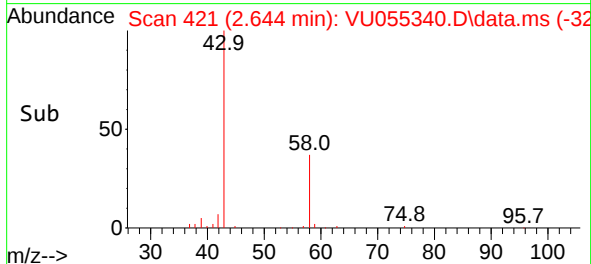
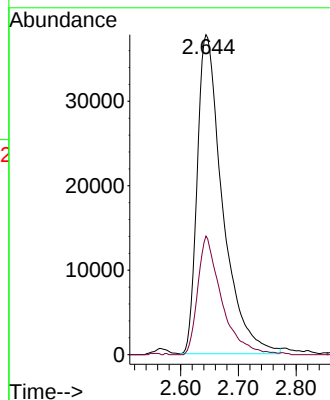
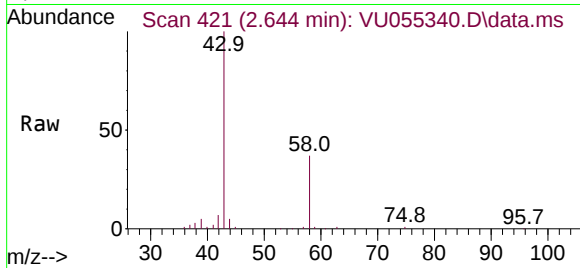
ClientSampleId :

Tgt Ion: 43 Resp: 115179

Ion Ratio Lower Upper

43 100

58 34.9 0.0 68.4



#14

Carbon disulfide

Concen: 4.651 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.013 min

Lab File: VU055340.D

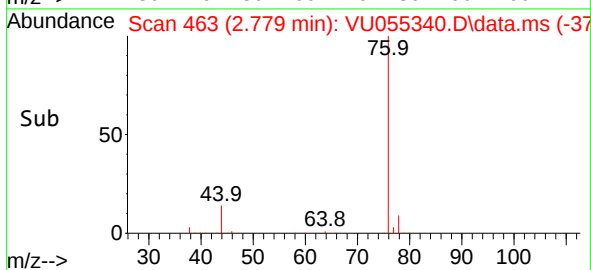
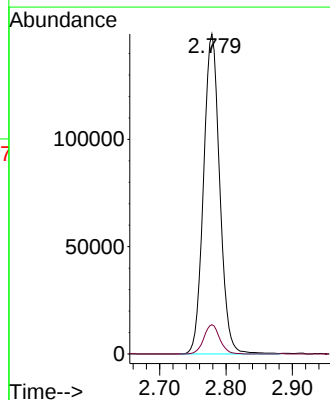
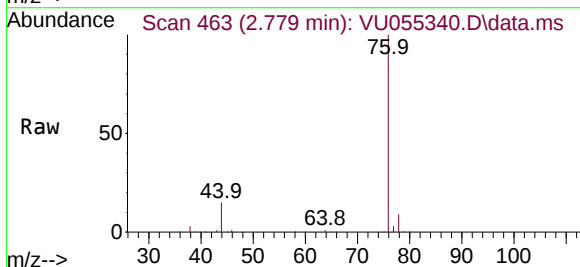
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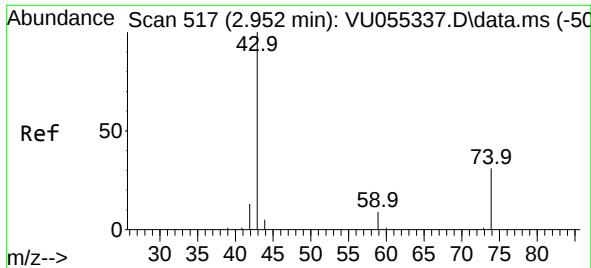
Tgt Ion: 76 Resp: 252865

Ion Ratio Lower Upper

76 100

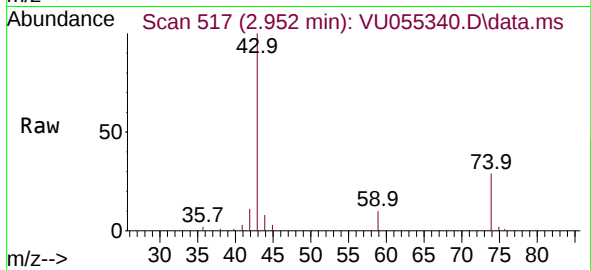
78 9.1 7.4 11.2



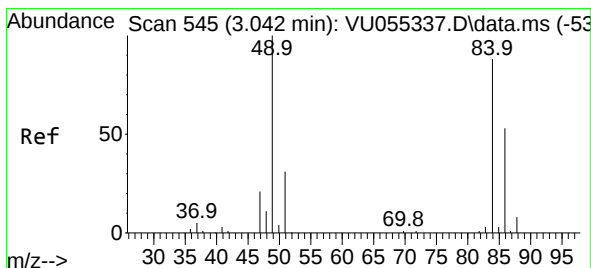
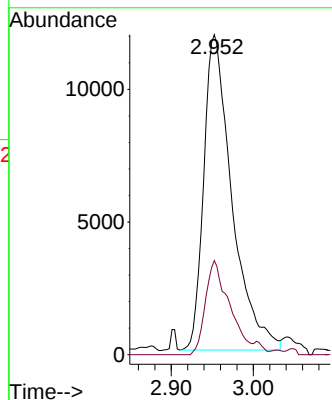
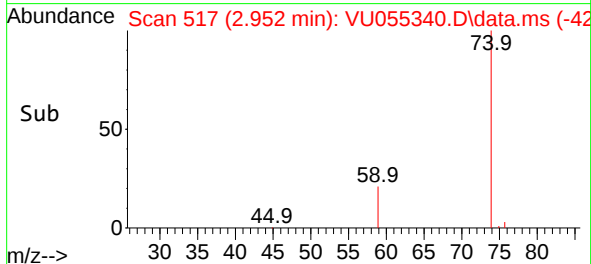


#15
Methyl Acetate
Concen: 4.800 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Instrument :
MSVOA_U
ClientSampleId :

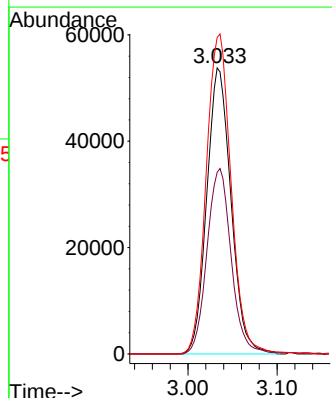
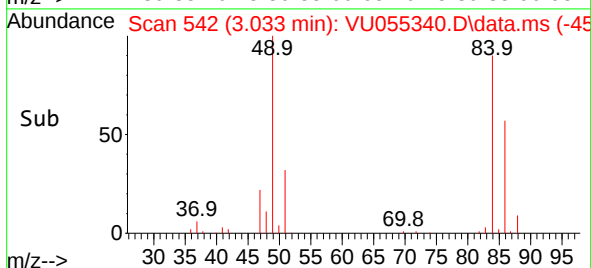
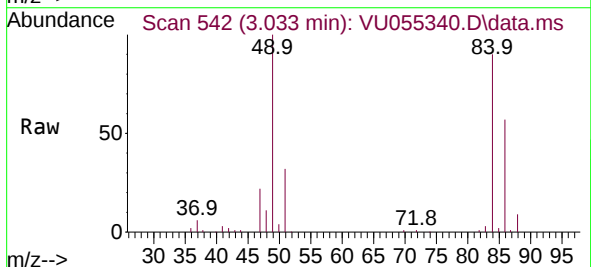


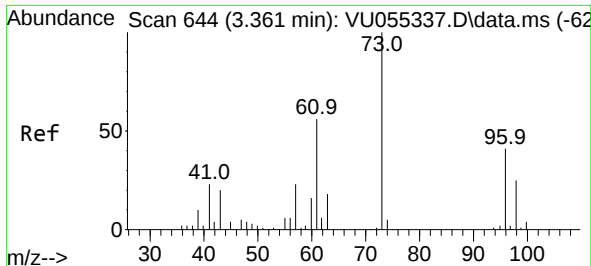
Tgt Ion: 43 Resp: 28404
Ion Ratio Lower Upper
43 100
74 25.6 23.9 35.9



#16
Methylene chloride
Concen: 3.968 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.010 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Tgt Ion: 84 Resp: 101653
Ion Ratio Lower Upper
84 100
86 63.5 42.4 78.8
49 110.6 79.9 148.3

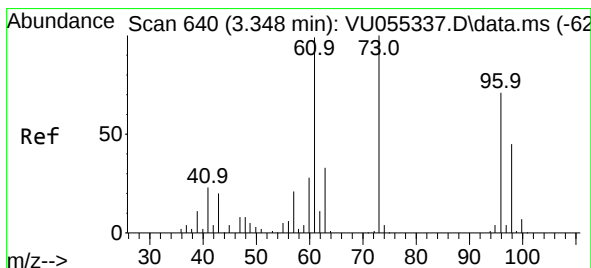
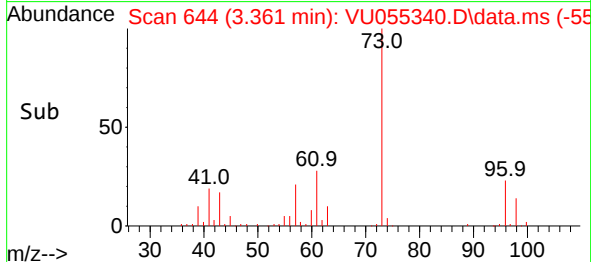
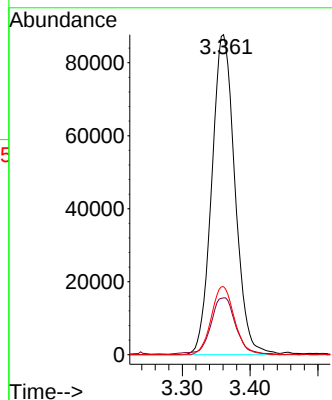
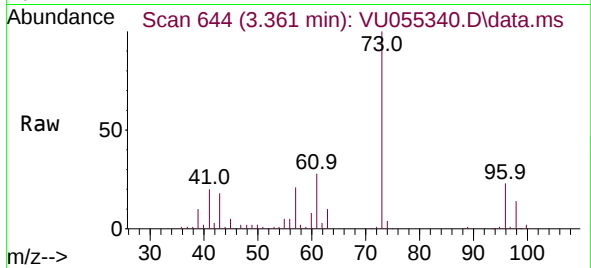




#17
Methyl tert-butyl Ether
Concen: 5.049 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

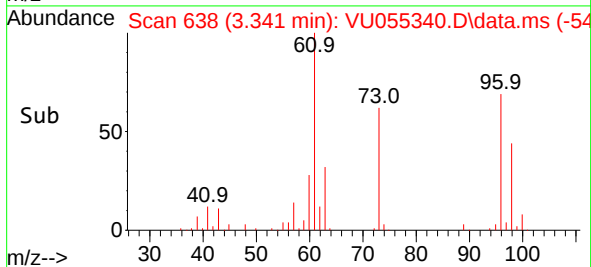
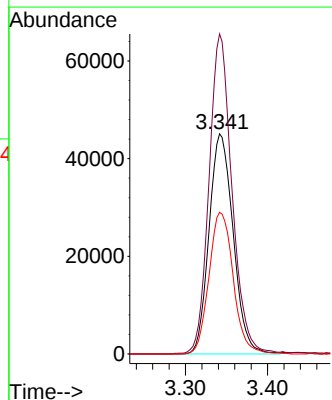
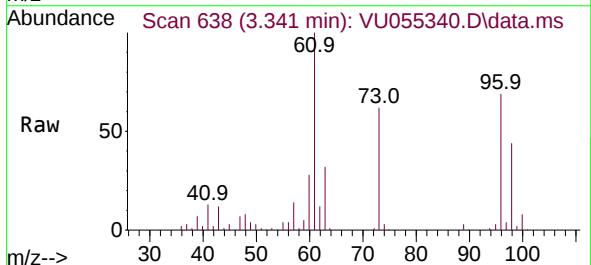
Instrument :
MSVOA_U
ClientSampleId :

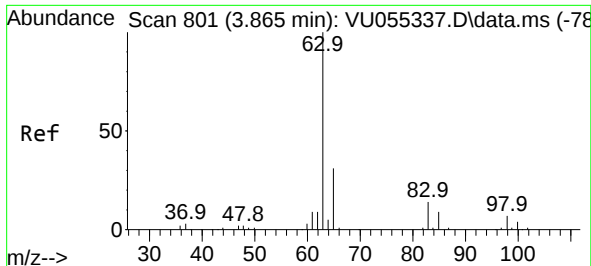
Tgt Ion: 73 Resp: 208121
Ion Ratio Lower Upper
73 100
43 19.4 16.0 24.0
57 21.3 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 4.884 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.006 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Tgt Ion: 96 Resp: 92345
Ion Ratio Lower Upper
96 100
61 145.3 97.4 181.0
98 64.3 44.6 82.8





#19

1,1-Dichloroethane

Concen: 4.836 ug/L

RT: 3.859 min Scan# 71

Delta R.T. -0.006 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

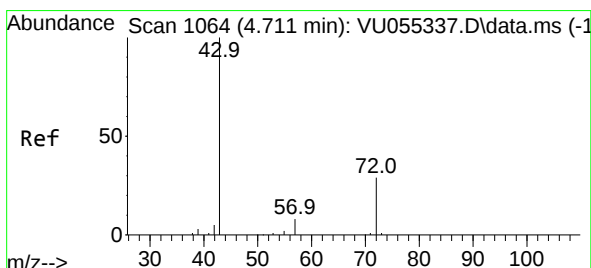
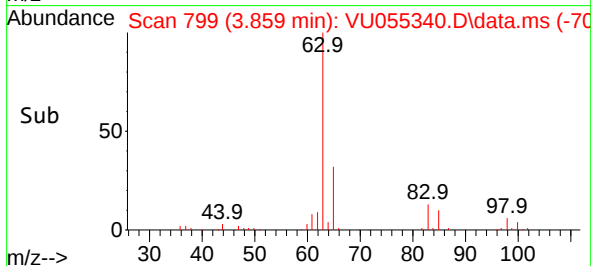
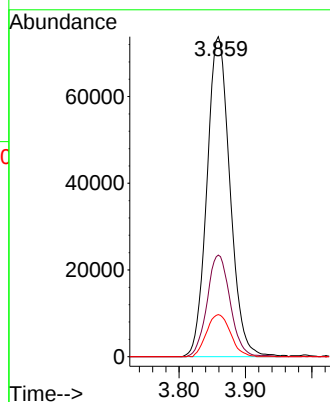
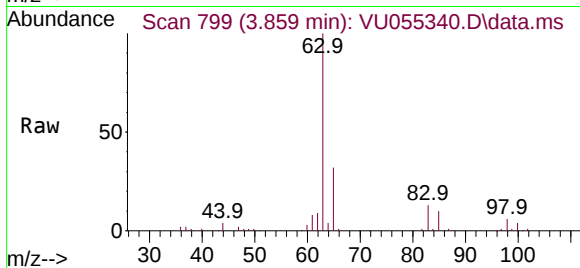
Tgt Ion: 63 Resp: 177860

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

83 13.1 9.7 17.9



#21

2-Butanone

Concen: 47.730 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.003 min

Lab File: VU055340.D

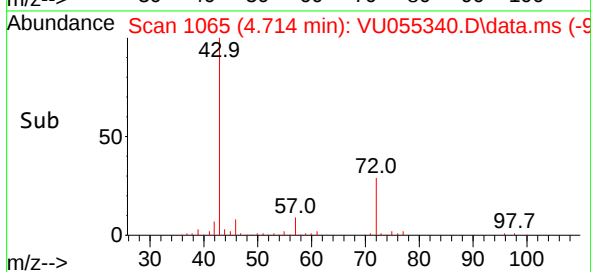
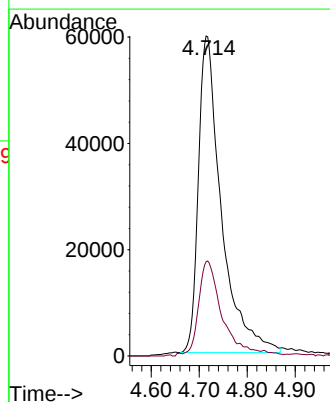
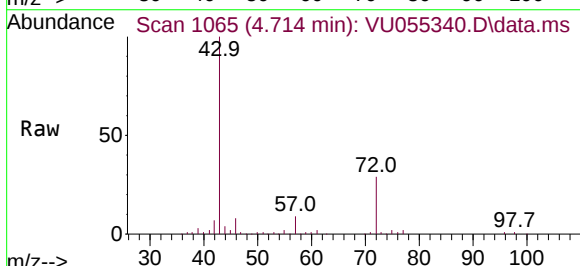
Acq: 15 Sep 2023 15:06

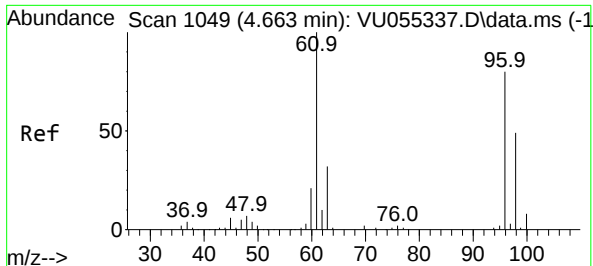
Tgt Ion: 43 Resp: 198074

Ion Ratio Lower Upper

43 100

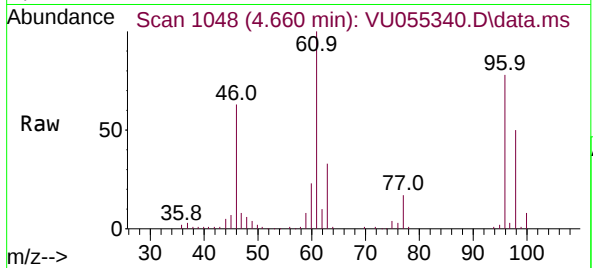
72 28.0 15.2 45.5



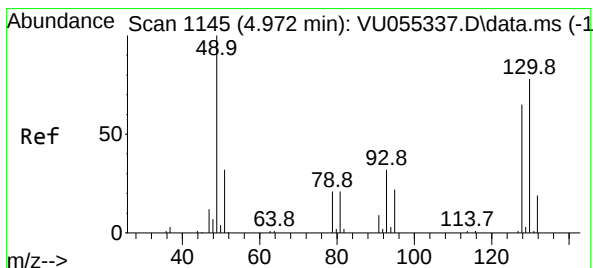
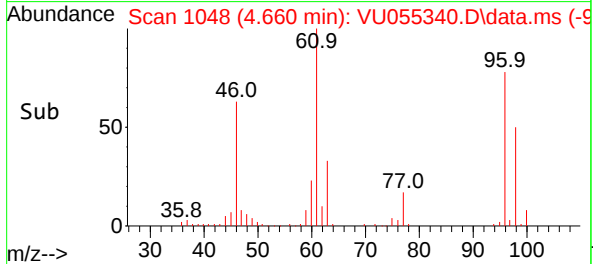
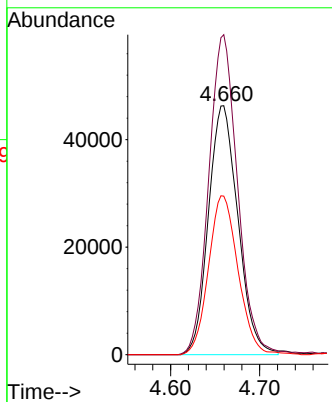


#22
 cis-1,2-Dichloroethene
 Concen: 4.814 ug/L
 RT: 4.660 min Scan# 1049
 Delta R.T. -0.003 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

Instrument :
 MSVOA_U
 ClientSampleId :

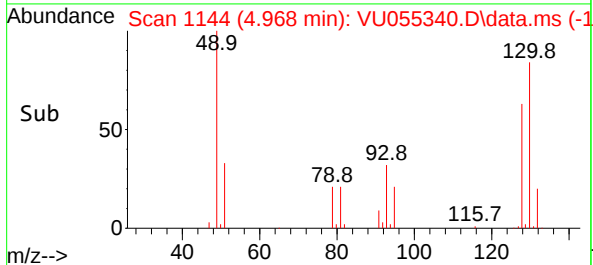
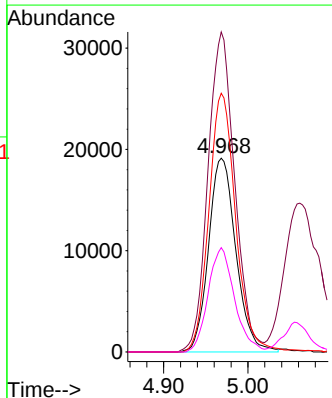
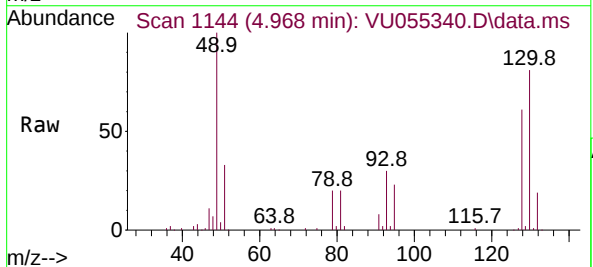


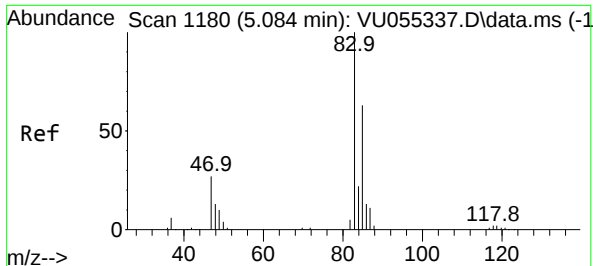
Tgt Ion: 96 Resp: 106583
 Ion Ratio Lower Upper
 96 100
 61 128.5 88.1 163.7
 98 63.7 43.5 80.7



#23
 Bromochloromethane
 Concen: 4.790 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

Tgt Ion: 128 Resp: 43107
 Ion Ratio Lower Upper
 128 100
 49 165.1 108.1 200.9
 130 133.5 84.3 156.5
 51 53.9 39.7 59.5





#25

Chloroform

Concen: 4.584 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

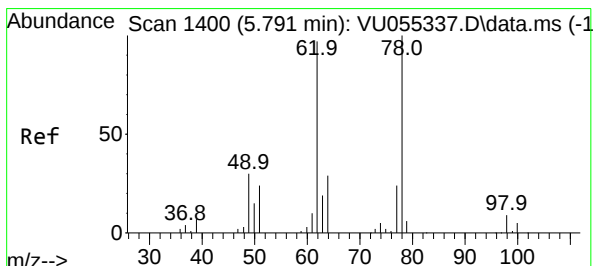
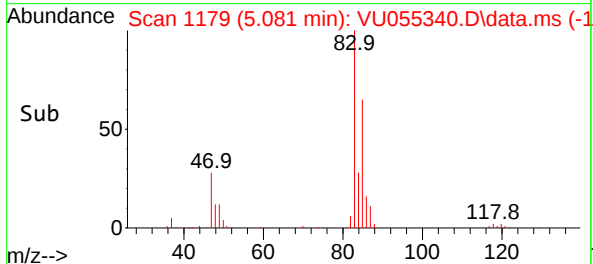
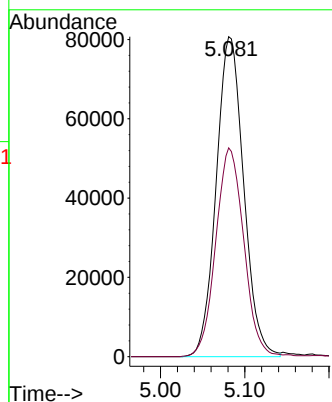
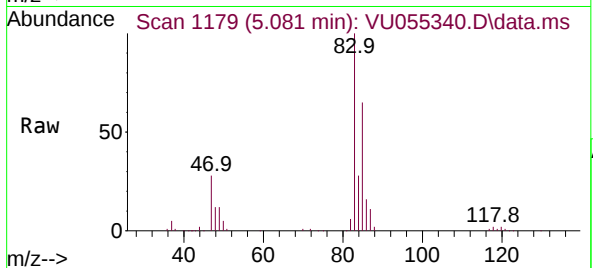
ClientSampleId :

Tgt Ion: 83 Resp: 182549

Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.4



#27

1,2-Dichloroethane

Concen: 4.594 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU055340.D

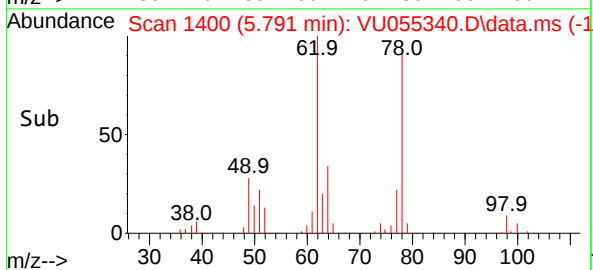
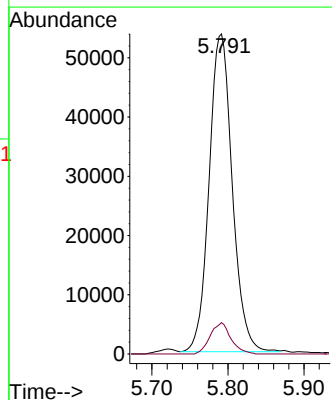
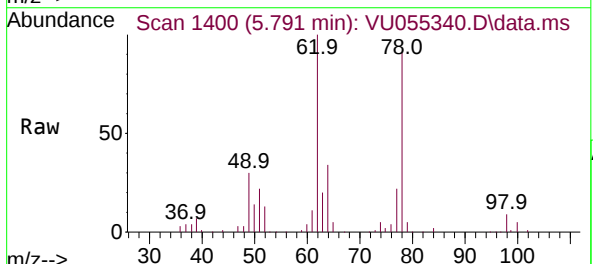
Acq: 15 Sep 2023 15:06

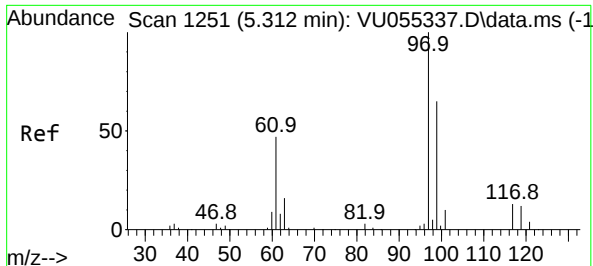
Tgt Ion: 62 Resp: 113412

Ion Ratio Lower Upper

62 100

98 9.8 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.193 ug/L

RT: 5.309 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

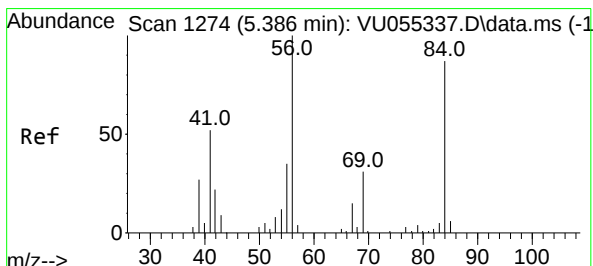
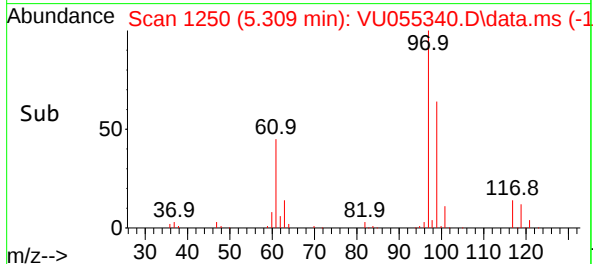
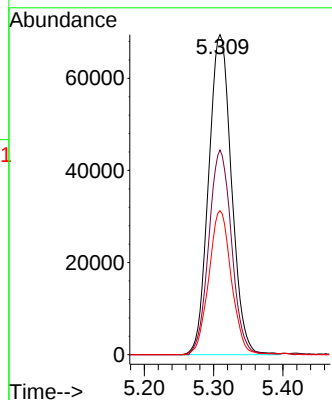
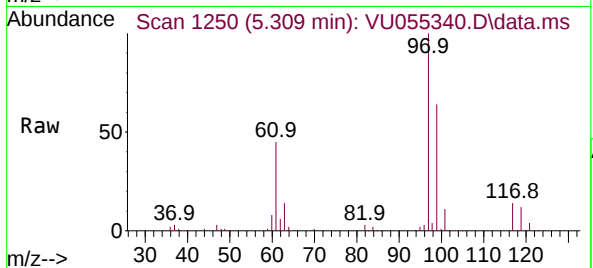
Tgt Ion: 97 Resp: 159334

Ion Ratio Lower Upper

97 100

99 63.7 51.2 76.8

61 44.2 37.6 56.4



#30

Cyclohexane

Concen: 5.245 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

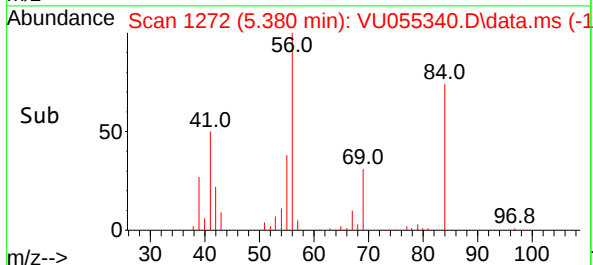
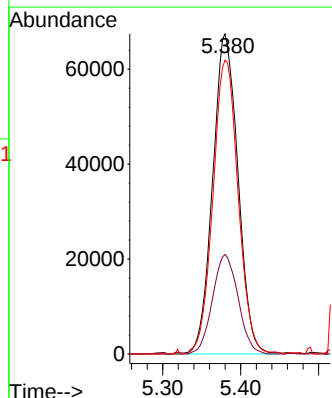
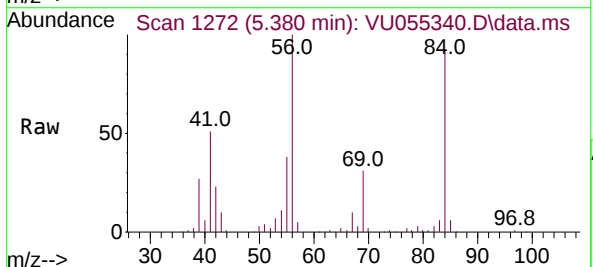
Tgt Ion: 56 Resp: 151942

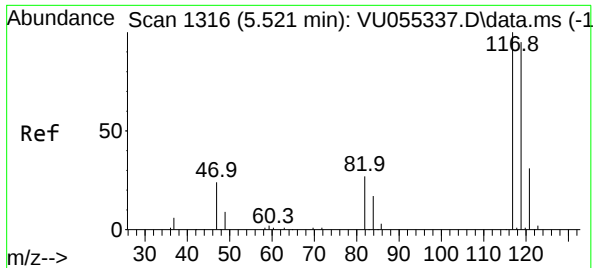
Ion Ratio Lower Upper

56 100

69 31.4 25.0 37.6

84 91.6 70.2 105.4

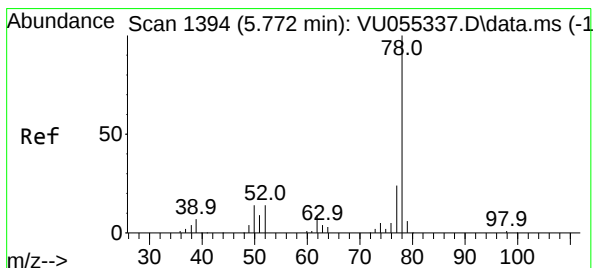
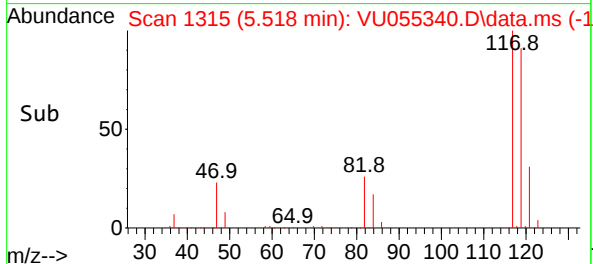
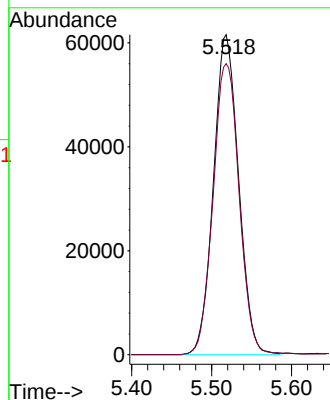
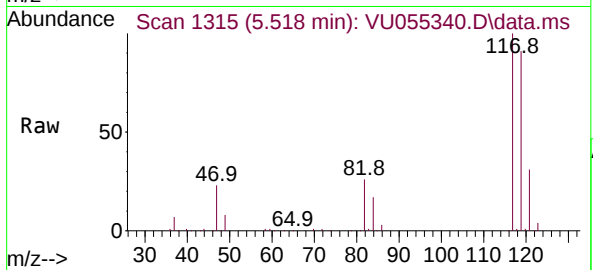




#31
Carbon tetrachloride
Concen: 5.138 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

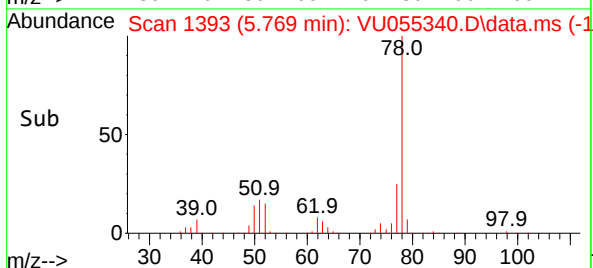
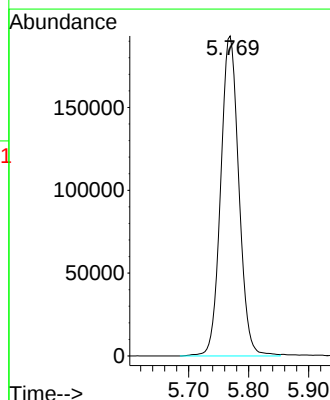
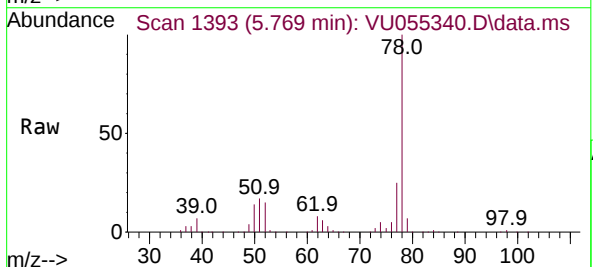
Instrument :
MSVOA_U
ClientSampleId :

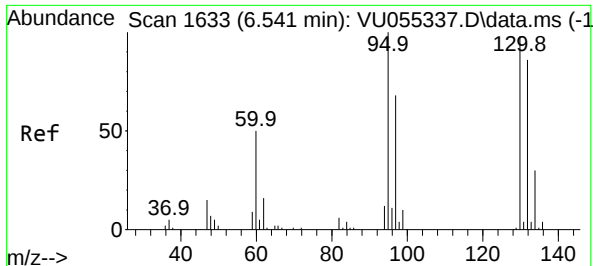
Tgt Ion:117 Resp: 134092
Ion Ratio Lower Upper
117 100
119 94.9 77.5 116.3



#33
Benzene
Concen: 5.064 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

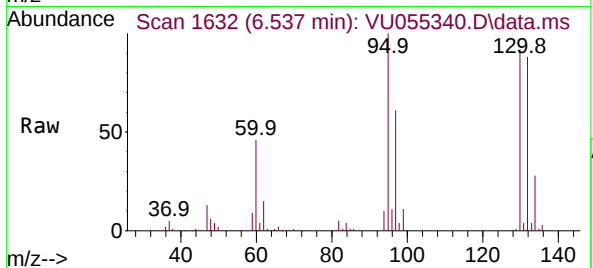
Tgt Ion: 78 Resp: 404705



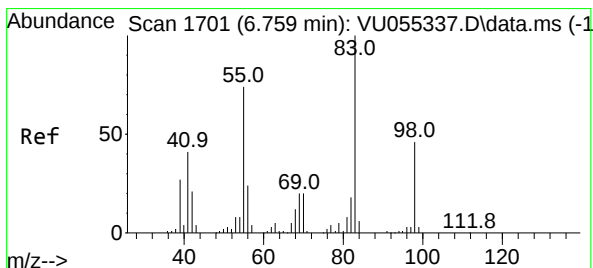
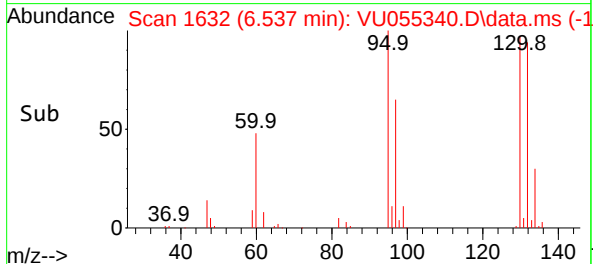
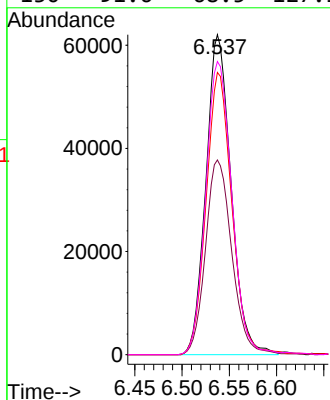


#34
Trichloroethene
Concen: 5.055 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Instrument :
MSVOA_U
ClientSampleId :

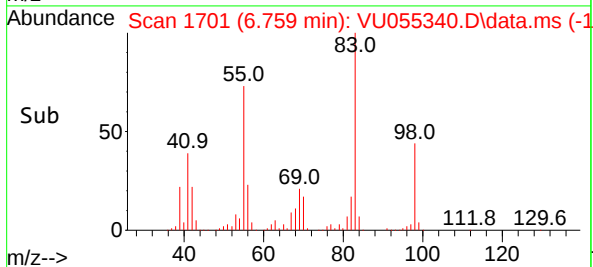
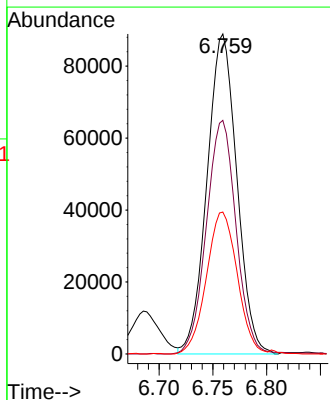
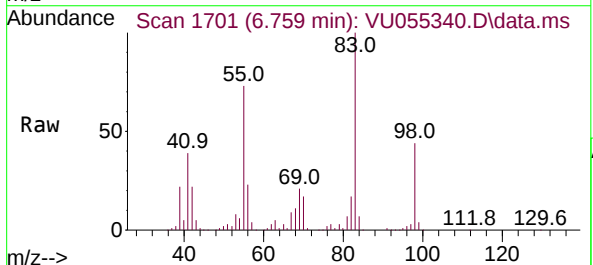


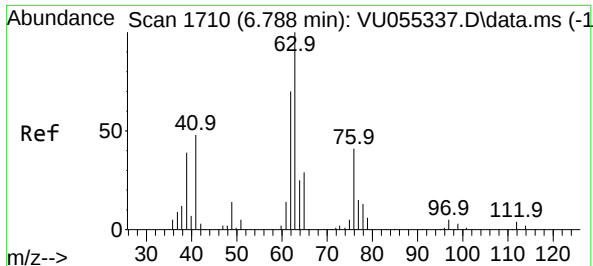
Tgt Ion: 95 Resp: 114989
Ion Ratio Lower Upper
95 100
97 60.8 47.4 88.0
132 88.2 60.5 112.3
130 91.6 68.5 127.1



#35
Methylcyclohexane
Concen: 5.194 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Tgt Ion: 83 Resp: 171729
Ion Ratio Lower Upper
83 100
55 72.8 58.7 88.1
98 45.7 36.3 54.5





#37

1,2-Dichloropropane

Concen: 4.941 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

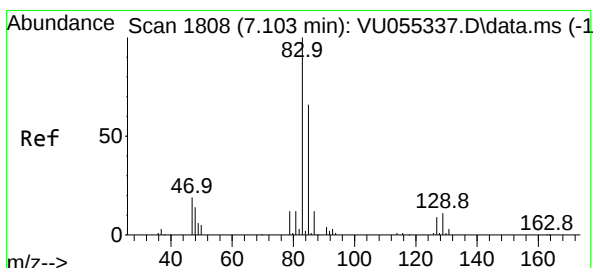
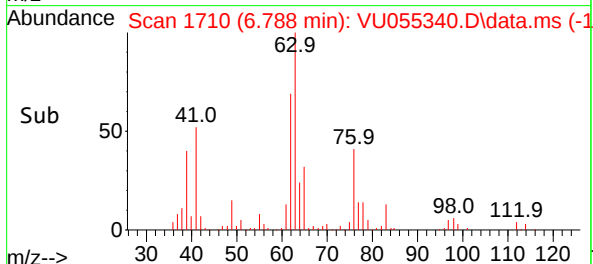
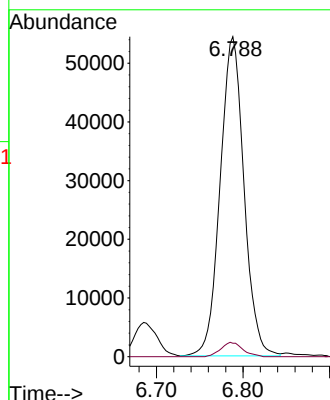
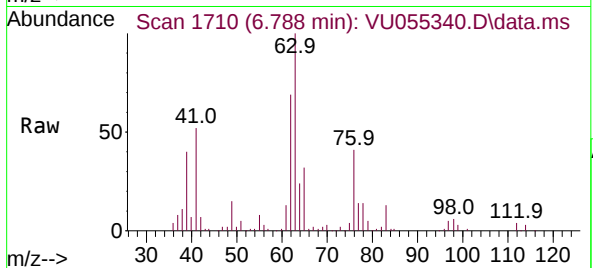
ClientSampleId :

Tgt Ion: 63 Resp: 103708

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.4



#38

Bromodichloromethane

Concen: 4.804 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

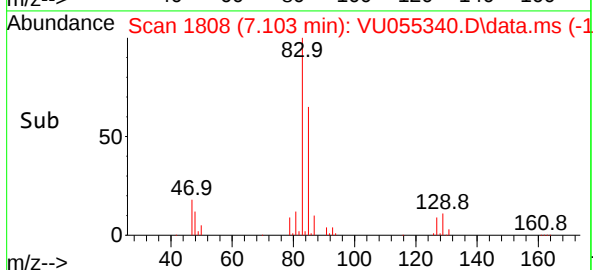
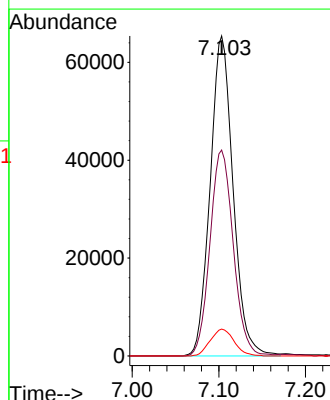
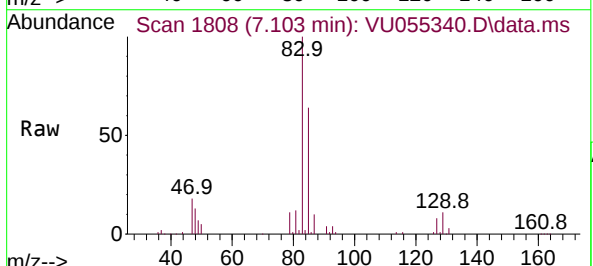
Tgt Ion: 83 Resp: 120305

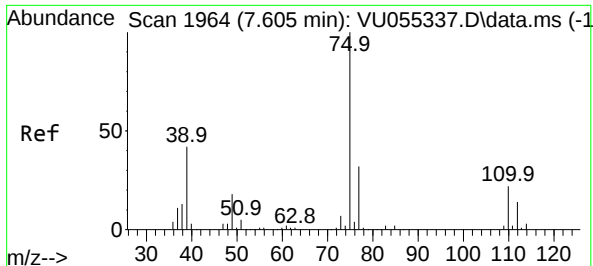
Ion Ratio Lower Upper

83 100

85 64.4 46.3 85.9

127 8.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.164 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

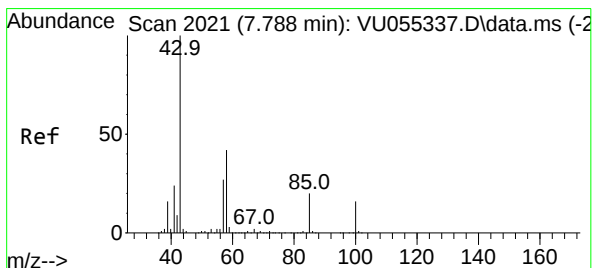
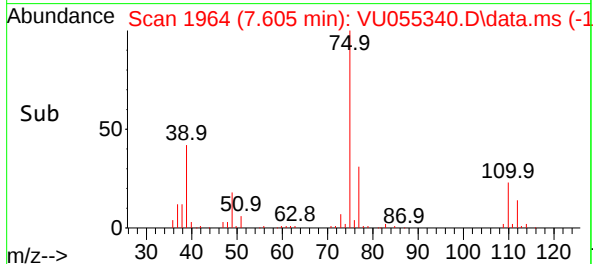
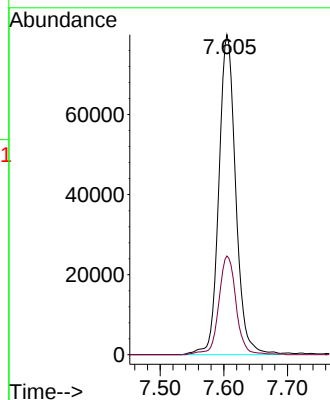
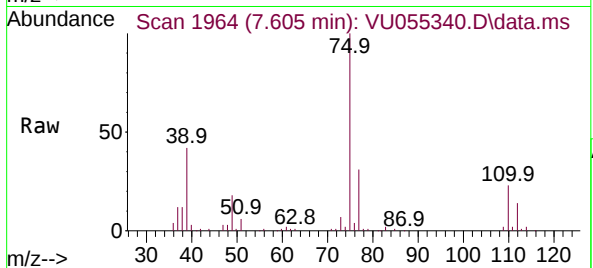
ClientSampleId :

Tgt Ion: 75 Resp: 147288

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 52.955 ug/L

RT: 7.795 min Scan# 2023

Delta R.T. 0.006 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

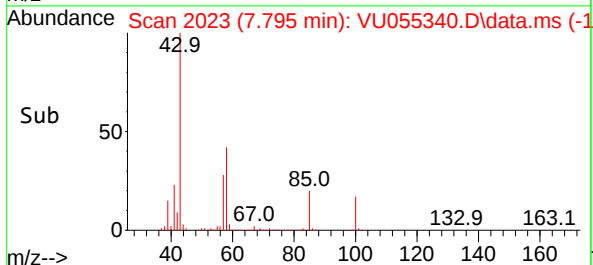
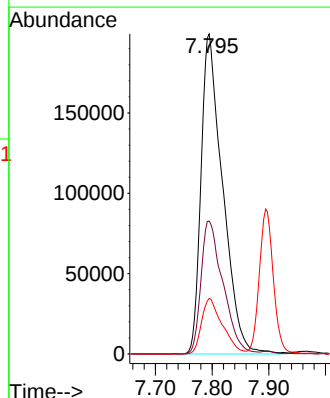
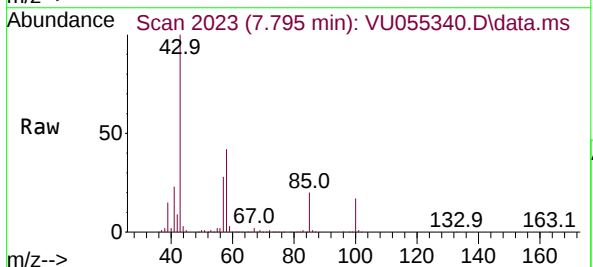
Tgt Ion: 43 Resp: 527388

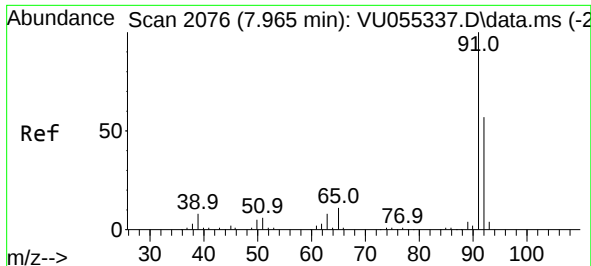
Ion Ratio Lower Upper

43 100

58 42.2 32.9 49.3

100 16.8 12.9 19.3





#42

Toluene

Concen: 5.101 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

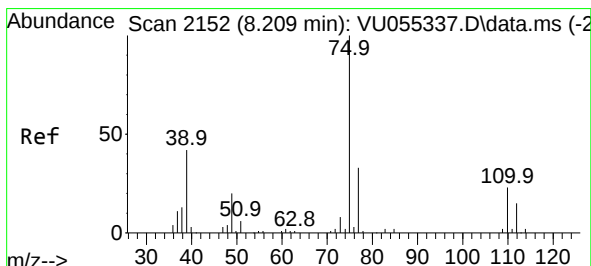
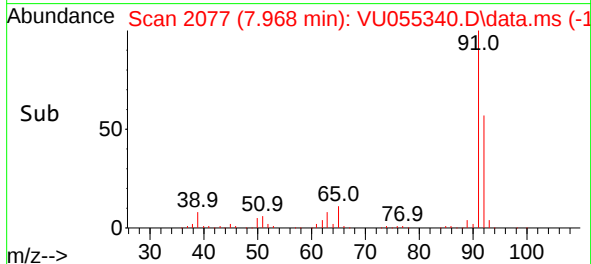
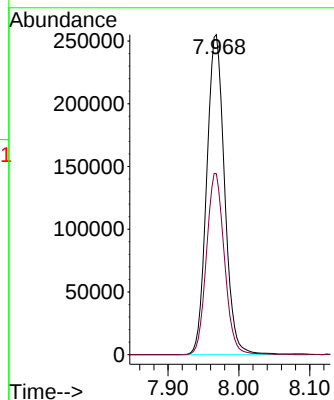
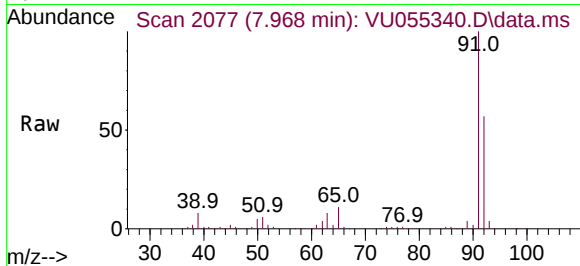
ClientSampleId :

Tgt Ion: 91 Resp: 446794

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.197 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055340.D

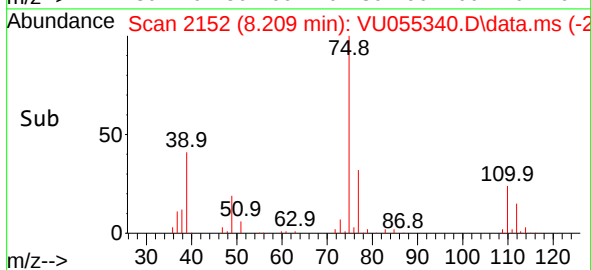
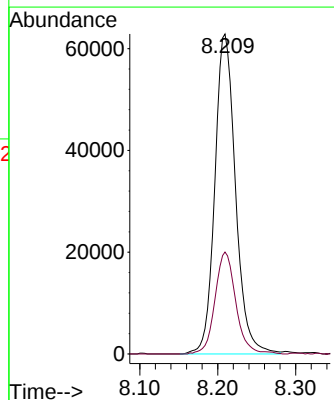
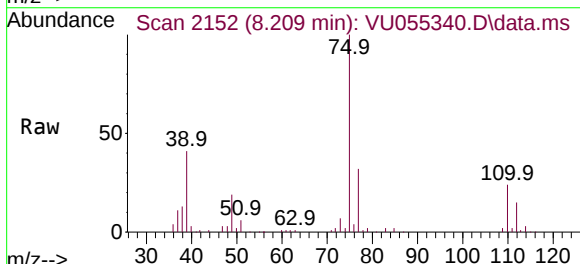
Acq: 15 Sep 2023 15:06

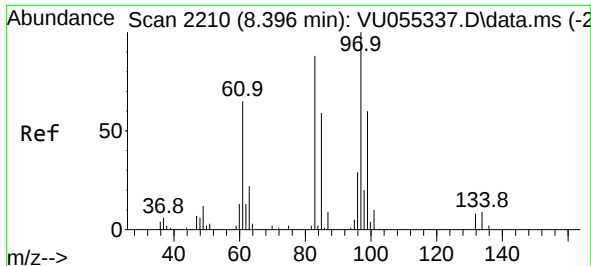
Tgt Ion: 75 Resp: 116230

Ion Ratio Lower Upper

75 100

77 31.9 23.2 43.0





#45

1,1,2-Trichloroethane

Concen: 5.080 ug/L

RT: 8.399 min Scan# 21

Delta R.T. 0.003 min

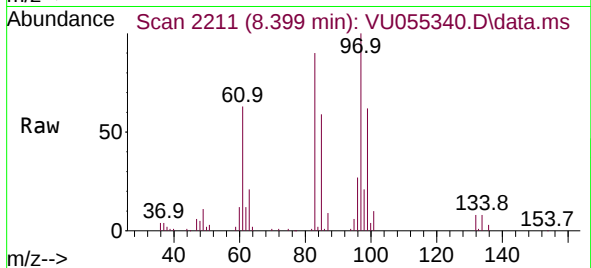
Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 73903

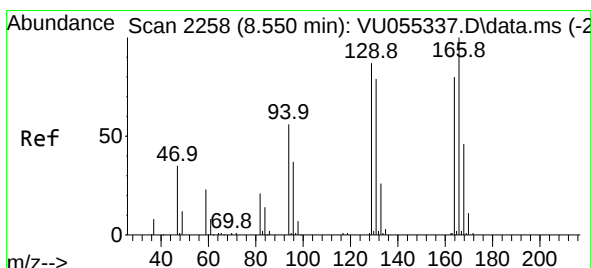
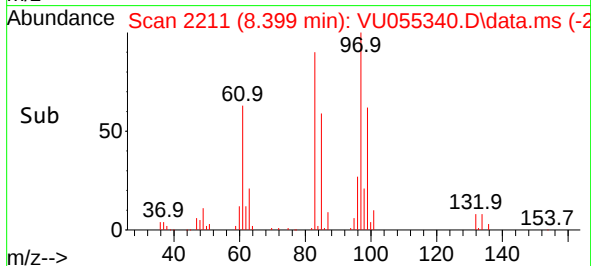
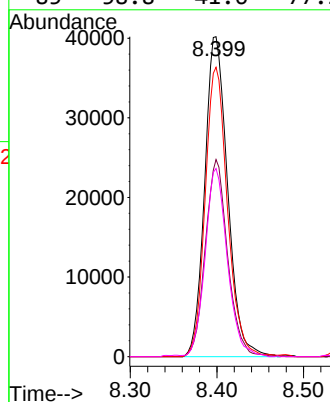
Ion Ratio Lower Upper

97 100

99 61.6 42.4 78.6

83 90.5 61.3 113.9

85 58.8 41.6 77.2



#47

Tetrachloroethene

Concen: 5.195 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Tgt Ion:164 Resp: 80990

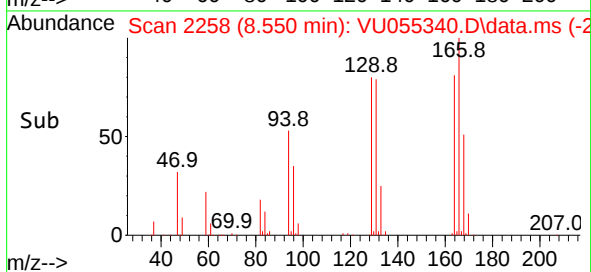
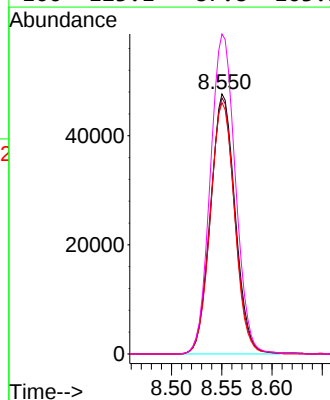
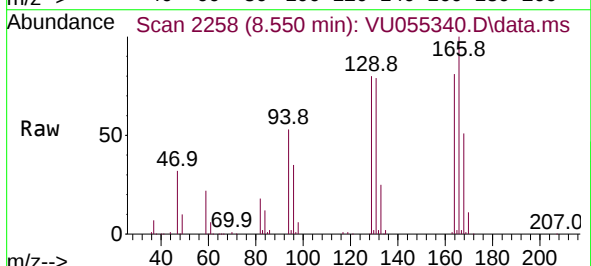
Ion Ratio Lower Upper

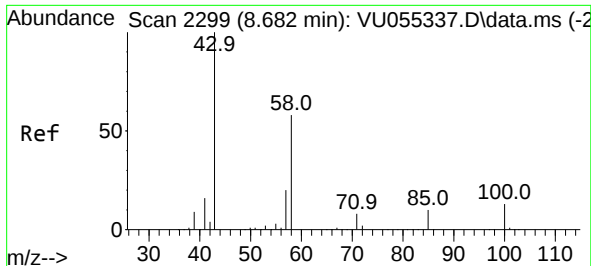
164 100

129 98.5 76.3 141.7

131 96.7 69.1 128.3

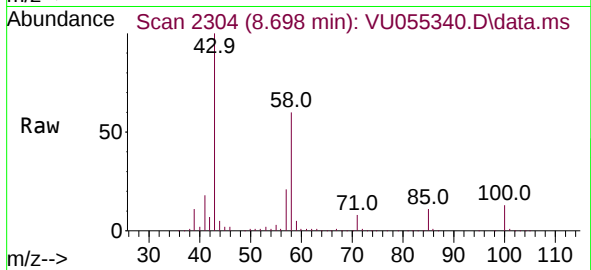
166 123.1 87.8 163.2



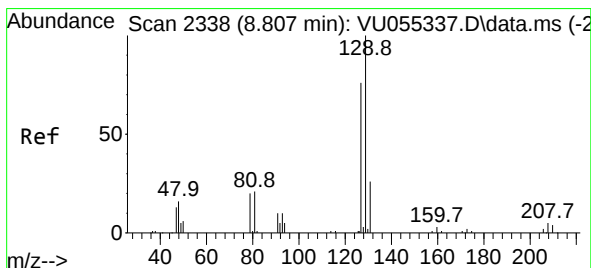
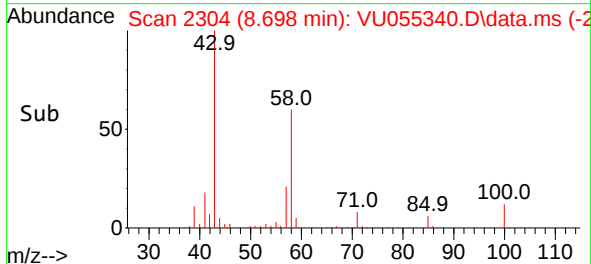
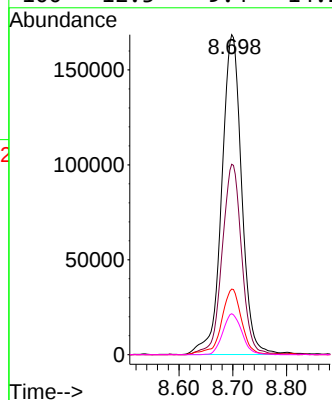


#48
2-Hexanone
Concen: 57.611 ug/L
RT: 8.698 min Scan# 21
Delta R.T. 0.016 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Instrument :
MSVOA_U
ClientSampleId :

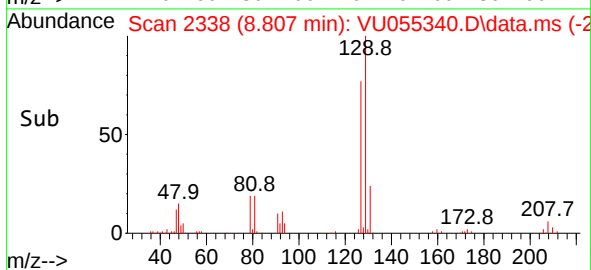
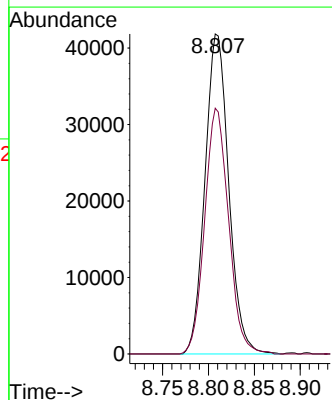
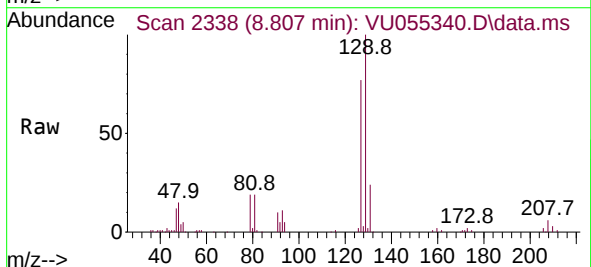


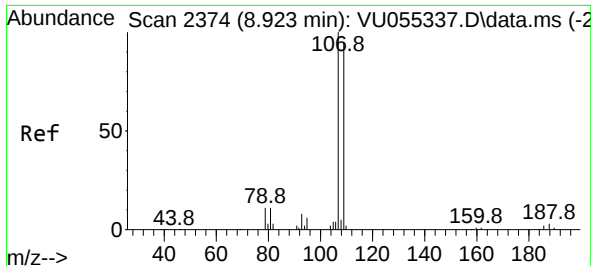
Tgt Ion:	43	Resp:	432423
Ion	Ratio	Lower	Upper
43	100		
58	58.7	47.8	71.6
57	20.8	15.4	23.2
100	12.3	9.4	14.2



#49
Dibromochloromethane
Concen: 5.066 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

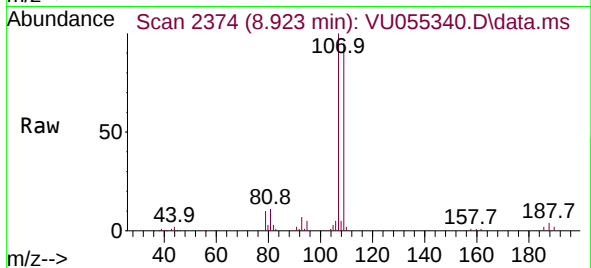
Tgt Ion:	129	Resp:	75407
Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.4	99.2



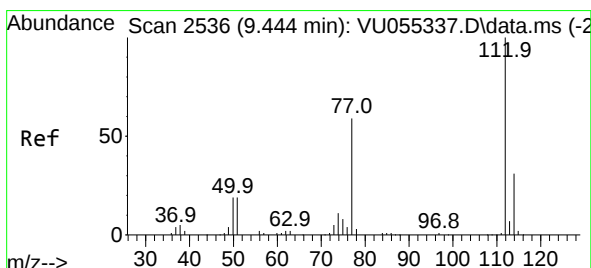
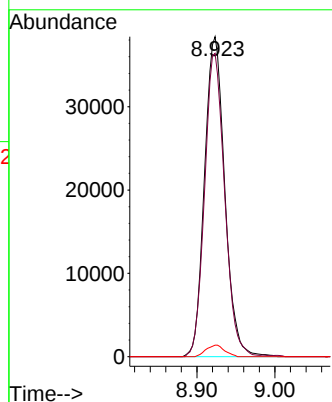
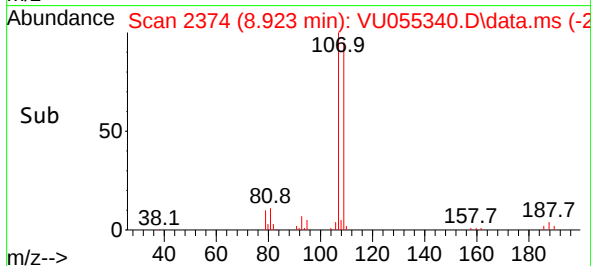


#50
1,2-Dibromoethane
Concen: 5.111 ug/L
RT: 8.923 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Instrument :
MSVOA_U
ClientSampleId :

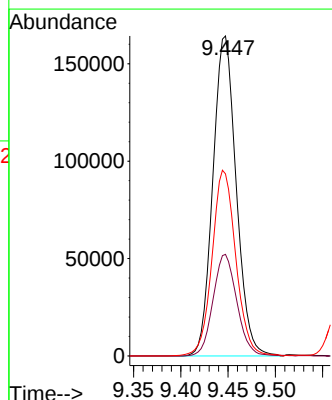
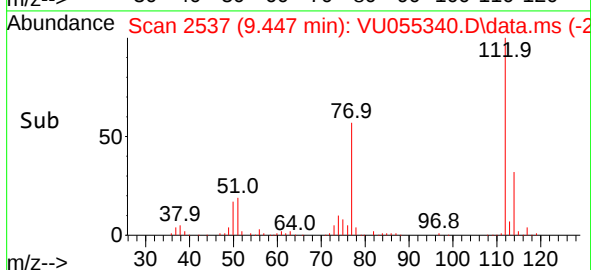
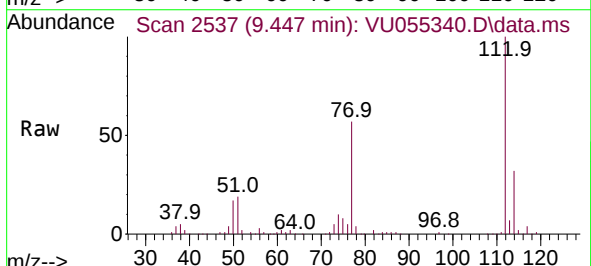


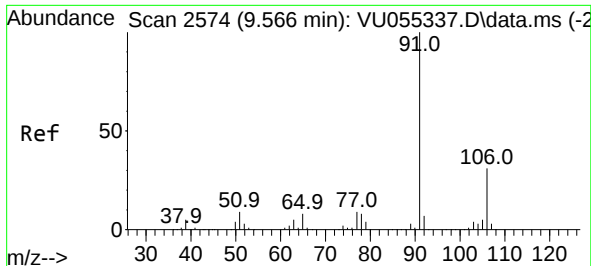
Tgt Ion:107 Resp: 69343
Ion Ratio Lower Upper
107 100
109 94.8 66.6 123.8
188 3.6 2.1 3.1#



#51
Chlorobenzene
Concen: 5.000 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Tgt Ion:112 Resp: 282491
Ion Ratio Lower Upper
112 100
114 31.7 21.8 40.6
77 56.9 47.4 71.0

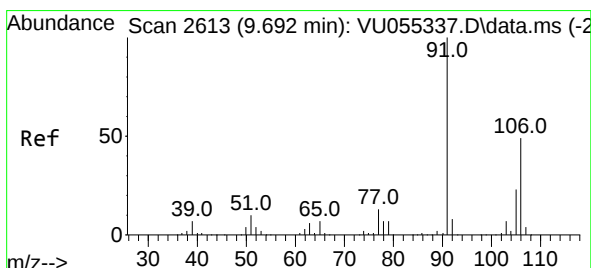
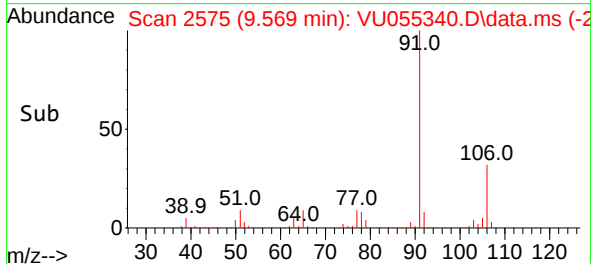
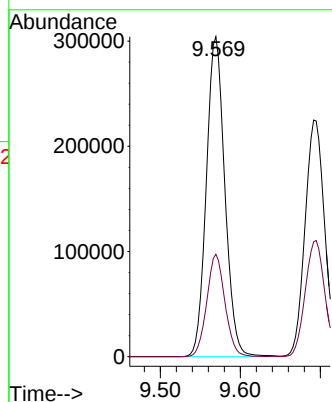
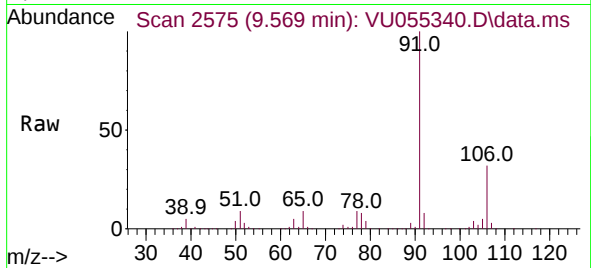




#52
Ethylbenzene
Concen: 5.090 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

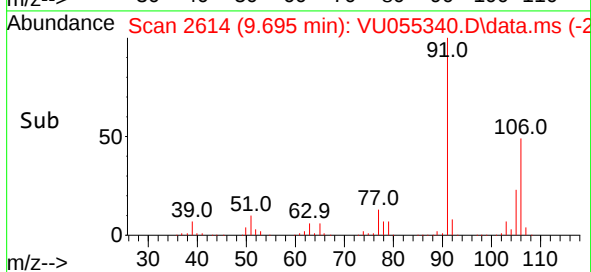
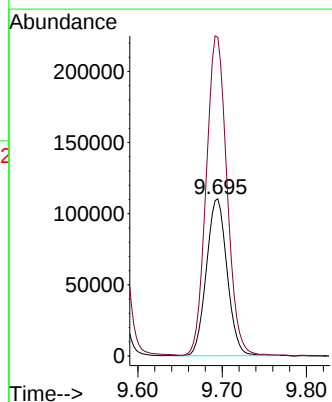
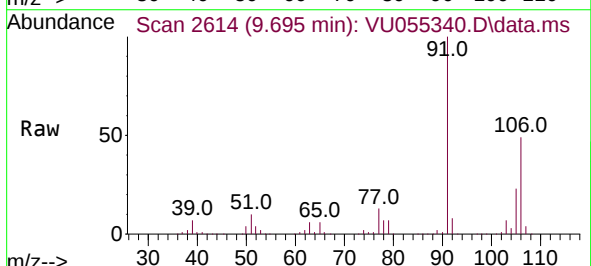
Instrument :
MSVOA_U
ClientSampleId :

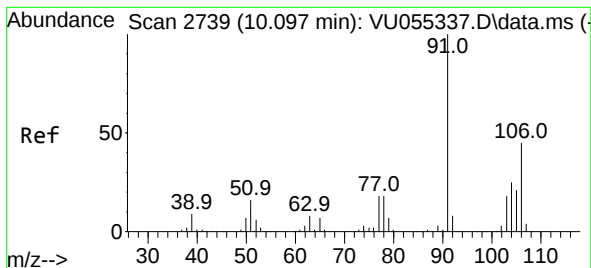
Tgt Ion: 91 Resp: 489516
Ion Ratio Lower Upper
91 100
106 32.0 21.5 39.9



#53
m,p-Xylene
Concen: 5.176 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Tgt Ion:106 Resp: 188299
Ion Ratio Lower Upper
106 100
91 202.8 143.3 266.1





#54

o-Xylene

Concen: 5.331 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

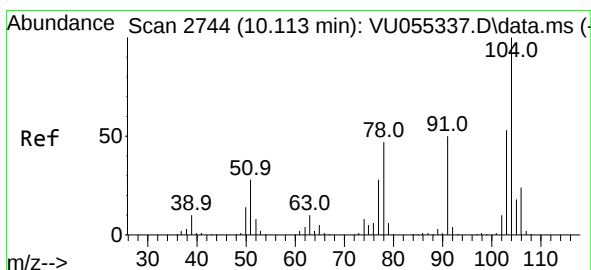
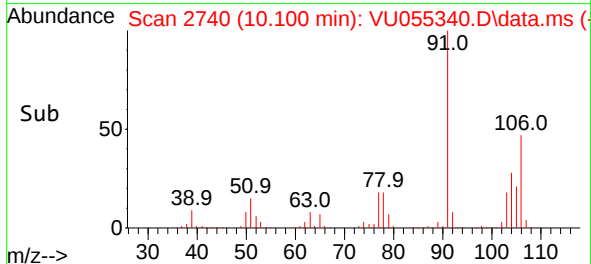
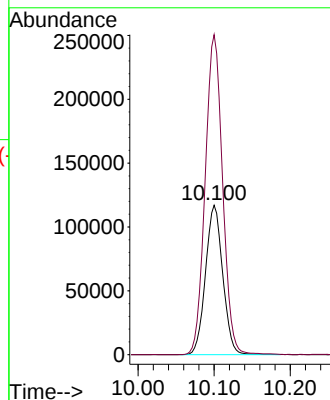
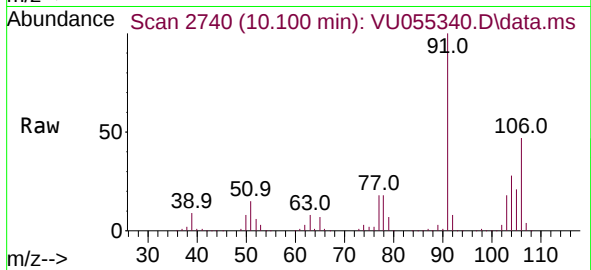
ClientSampleId :

Tgt Ion:106 Resp: 183994

Ion Ratio Lower Upper

106 100

91 214.1 155.6 289.0



#55

Styrene

Concen: 5.404 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VU055340.D

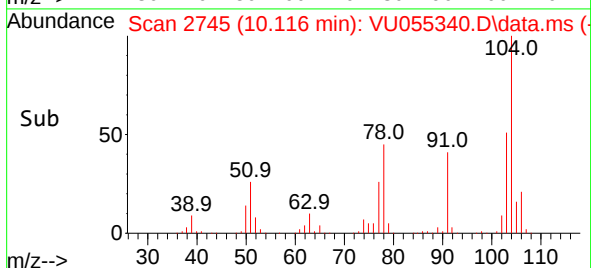
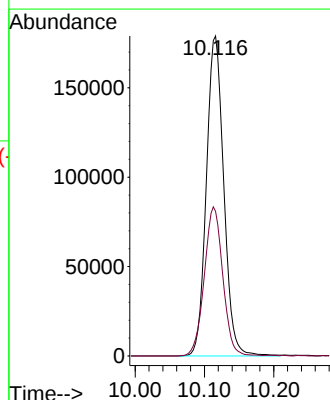
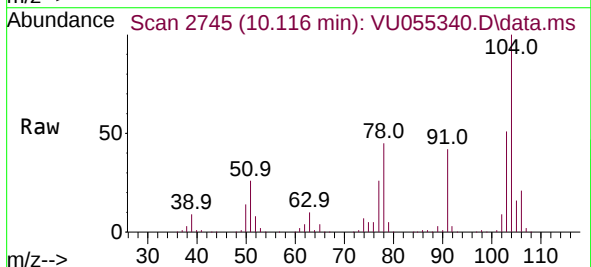
Acq: 15 Sep 2023 15:06

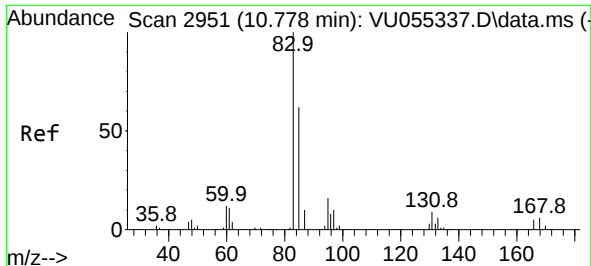
Tgt Ion:104 Resp: 311485

Ion Ratio Lower Upper

104 100

78 45.2 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.018 ug/L

RT: 10.785 min Scan# 2951

Delta R.T. 0.006 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

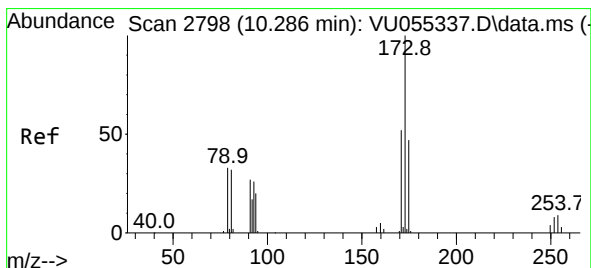
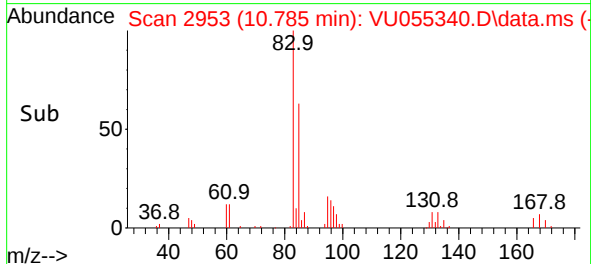
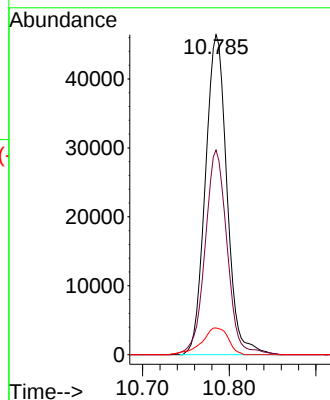
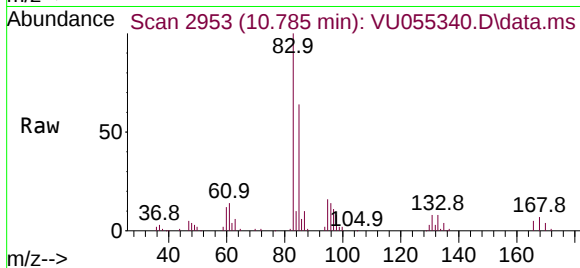
Tgt Ion: 83 Resp: 80291

Ion Ratio Lower Upper

83 100

85 64.0 43.3 80.5

131 8.3 7.2 10.8



#59

Bromoform

Concen: 5.006 ug/L

RT: 10.293 min Scan# 2800

Delta R.T. 0.006 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

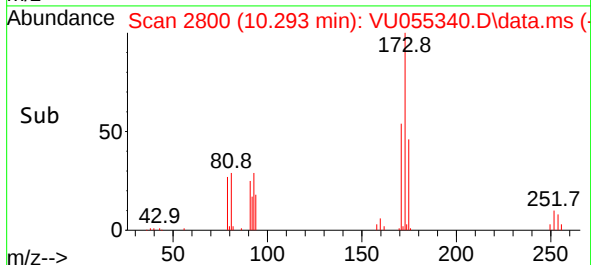
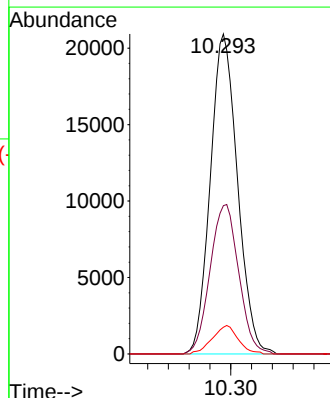
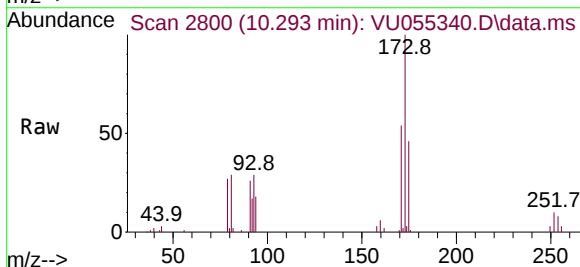
Tgt Ion:173 Resp: 37952

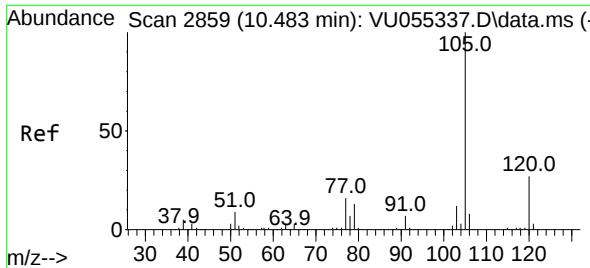
Ion Ratio Lower Upper

173 100

175 49.1 38.1 57.1

254 8.5 6.8 10.2

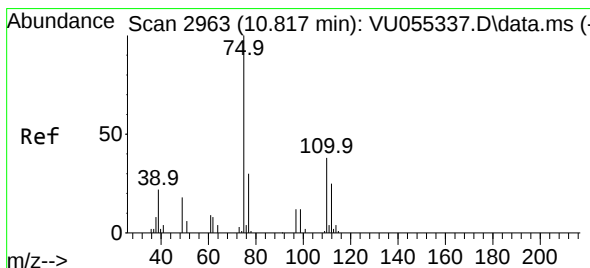
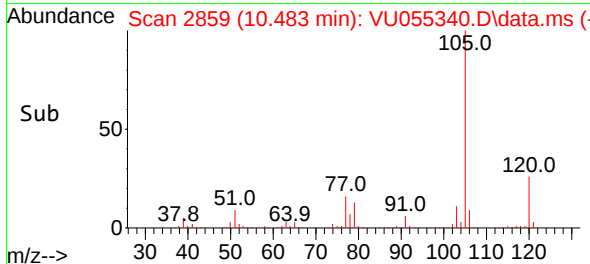
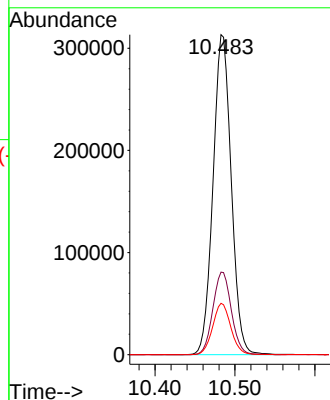
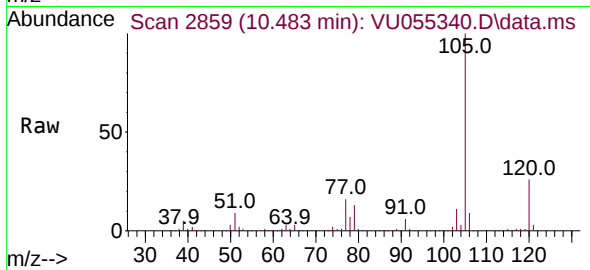




#60
Isopropylbenzene
Concen: 5.201 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

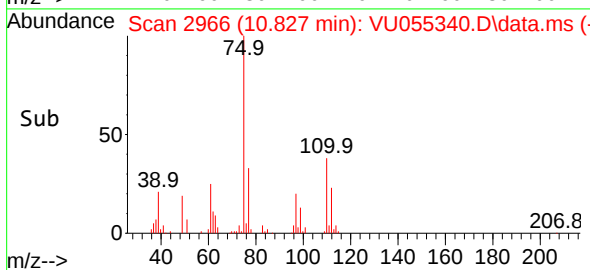
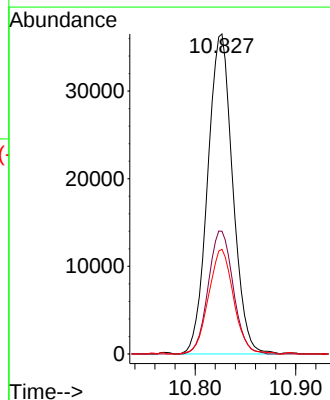
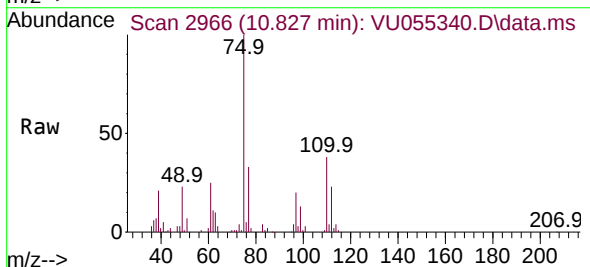
Instrument :
MSVOA_U
ClientSampleId :

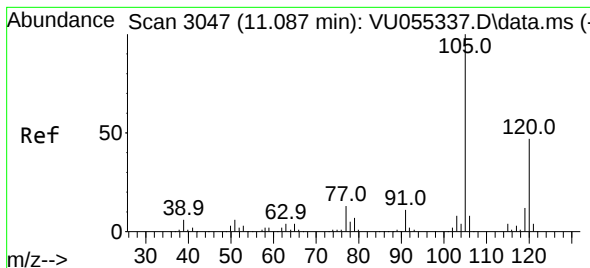
Tgt Ion:105 Resp: 494565
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.4
77 16.0 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 5.009 ug/L
RT: 10.827 min Scan# 2966
Delta R.T. 0.010 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Tgt Ion: 75 Resp: 63167
Ion Ratio Lower Upper
75 100
110 38.3 31.4 47.2
77 32.9 26.0 39.0





#62

1,3,5-Trimethylbenzene

Concen: 5.273 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

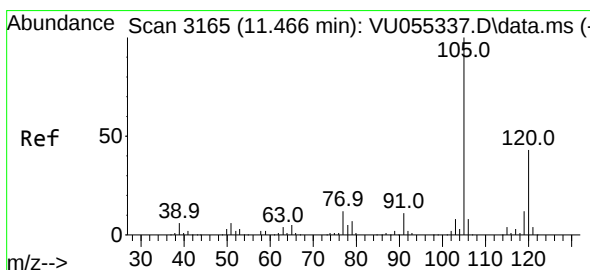
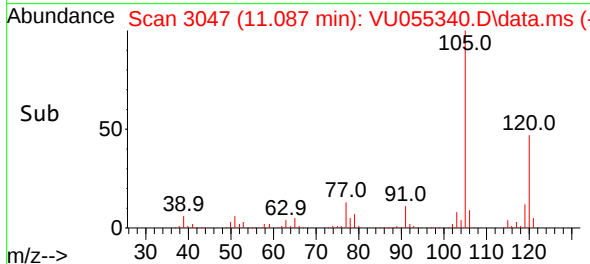
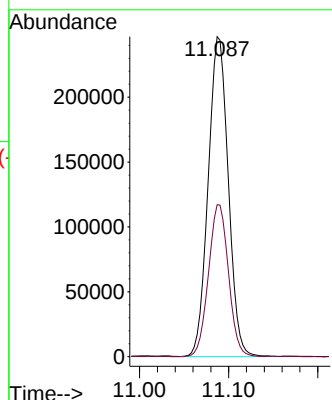
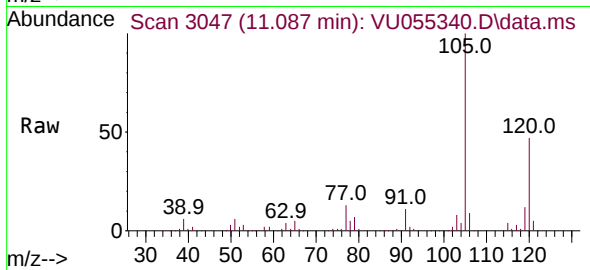
ClientSampleId :

Tgt Ion:105 Resp: 385391

Ion Ratio Lower Upper

105 100

120 47.3 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 5.407 ug/L

RT: 11.470 min Scan# 3166

Delta R.T. 0.003 min

Lab File: VU055340.D

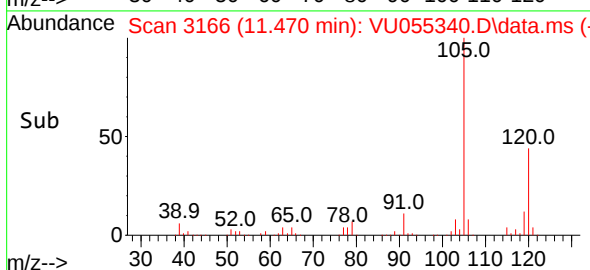
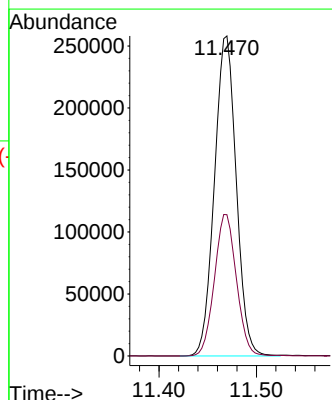
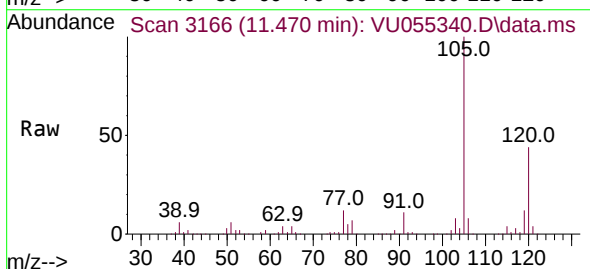
Acq: 15 Sep 2023 15:06

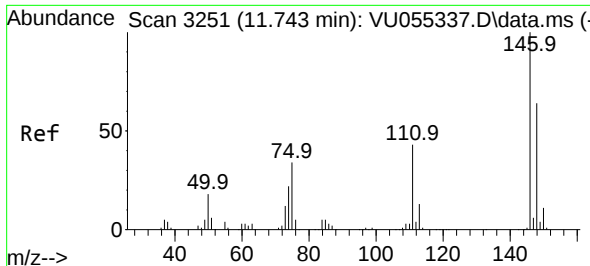
Tgt Ion:105 Resp: 401227

Ion Ratio Lower Upper

105 100

120 44.6 34.6 52.0

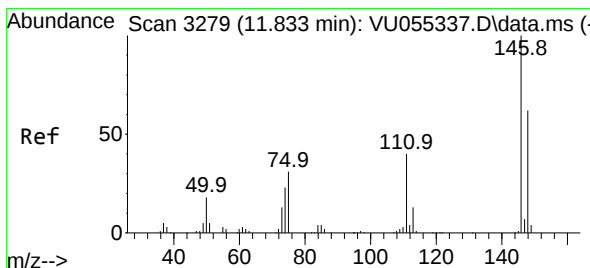
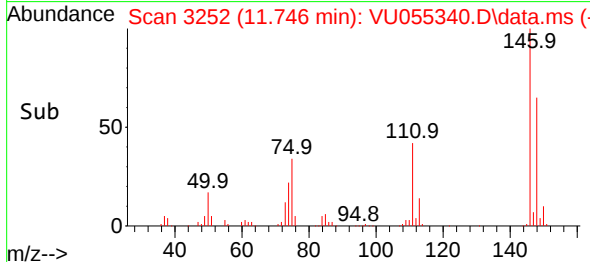
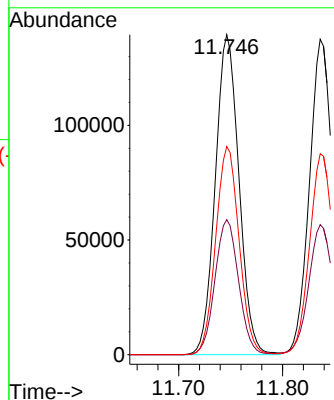
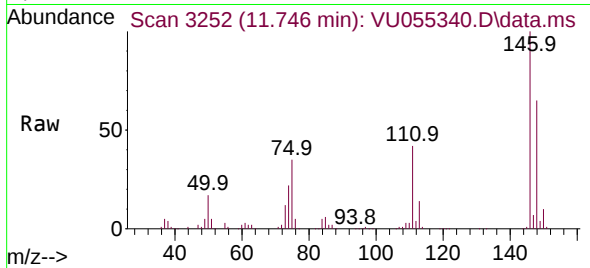




#64
1,3-Dichlorobenzene
Concen: 5.041 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

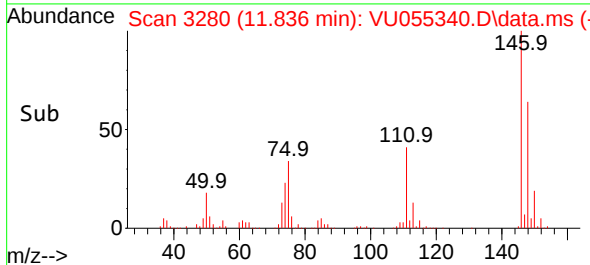
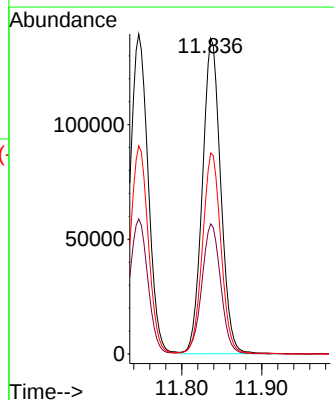
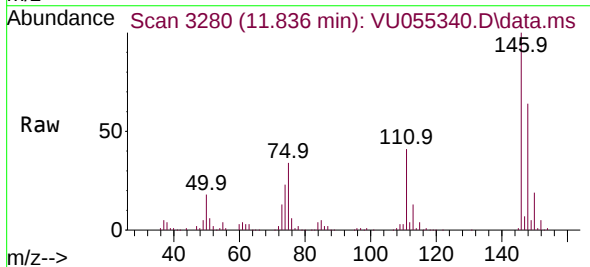
Instrument :
MSVOA_U
ClientSampleId :

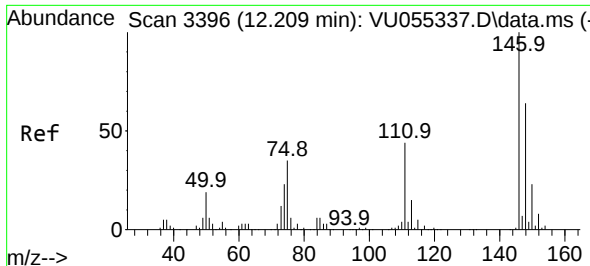
Tgt Ion:146 Resp: 220849
Ion Ratio Lower Upper
146 100
111 42.2 30.4 56.4
148 65.1 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 5.128 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055340.D
Acq: 15 Sep 2023 15:06

Tgt Ion:146 Resp: 219515
Ion Ratio Lower Upper
146 100
111 41.2 28.7 53.3
148 63.7 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 5.122 ug/L

RT: 12.212 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

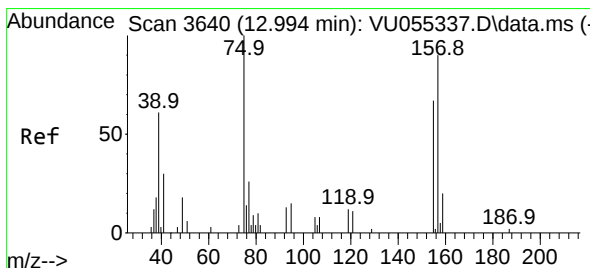
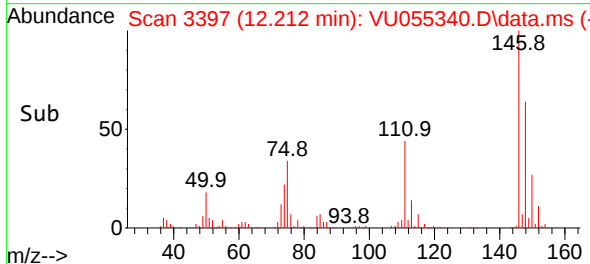
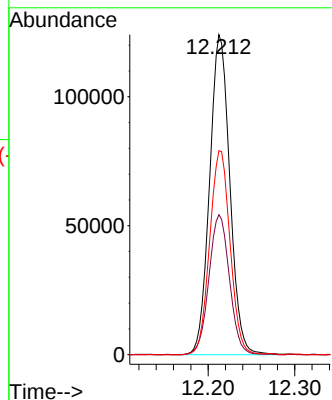
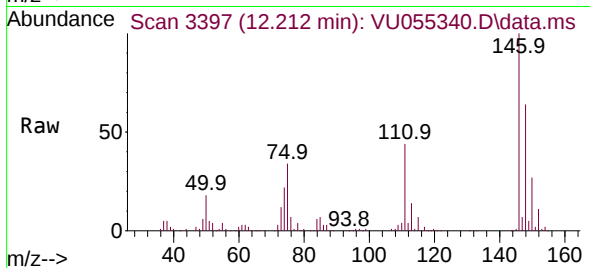
Tgt Ion:146 Resp: 201151

Ion Ratio Lower Upper

146 100

111 43.8 35.4 53.0

148 63.8 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.834 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.003 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

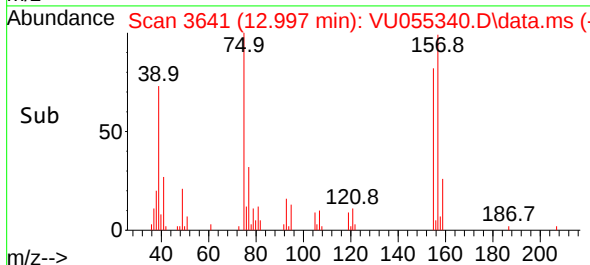
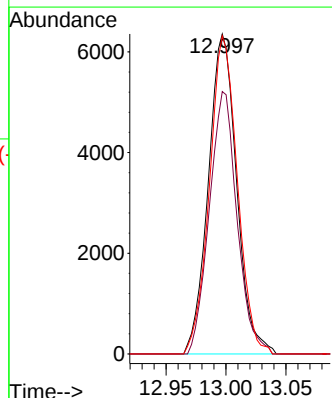
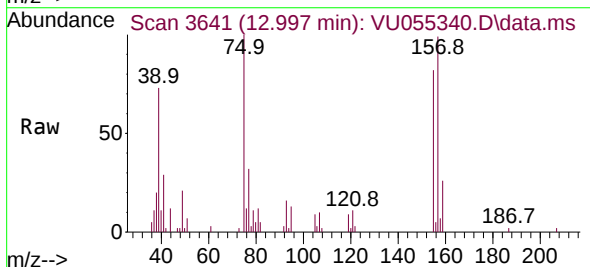
Tgt Ion: 75 Resp: 10424

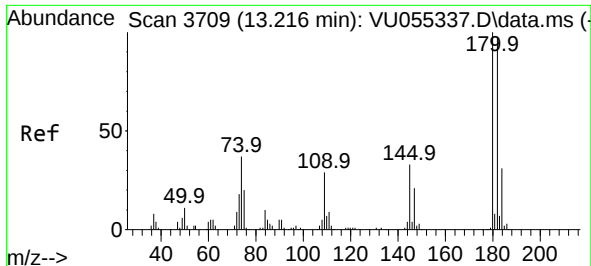
Ion Ratio Lower Upper

75 100

155 82.0 53.7 80.5#

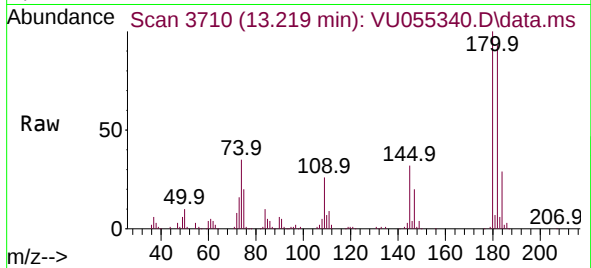
157 99.4 72.4 108.6



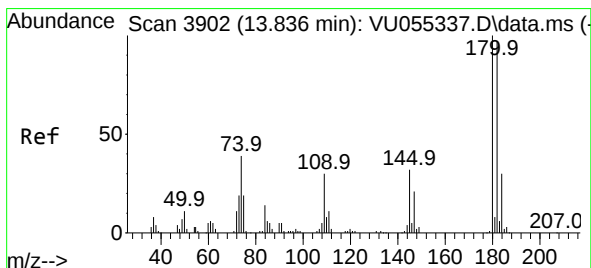
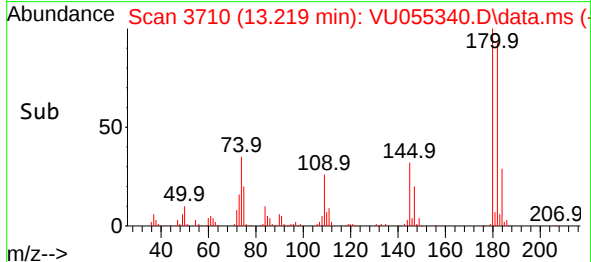
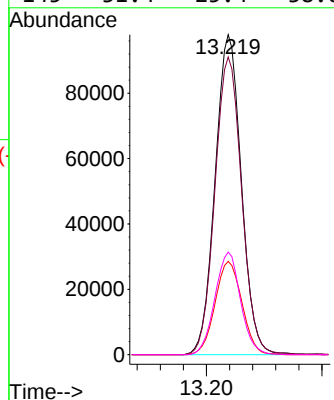


#69
 1,3,5-Trichlorobenzene
 Concen: 5.158 ug/L
 RT: 13.219 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

Instrument :
 MSVOA_U
 ClientSampleId :

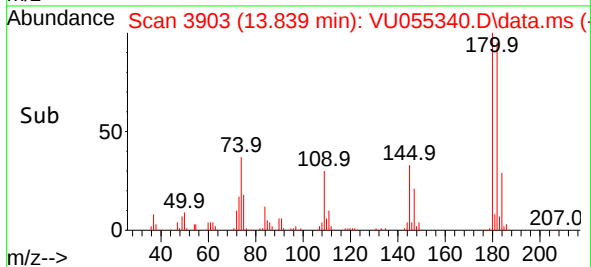
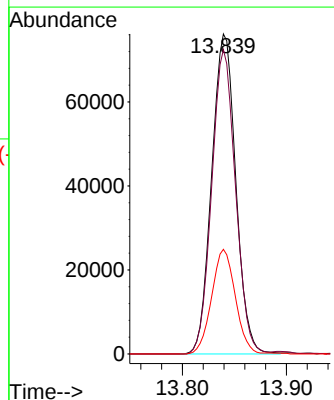
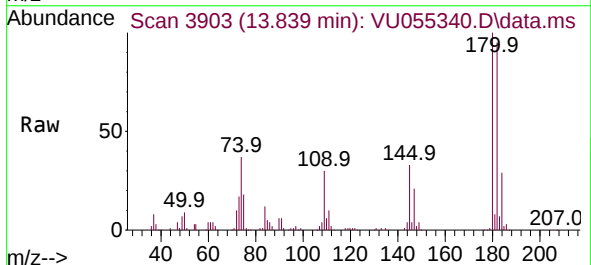


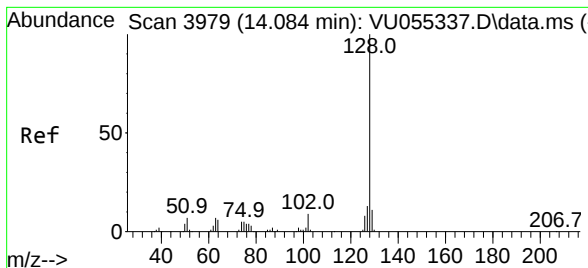
Tgt Ion:180 Resp: 153919
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.4 116.2
 184 29.9 24.5 36.7
 145 31.4 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.356 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.003 min
 Lab File: VU055340.D
 Acq: 15 Sep 2023 15:06

Tgt Ion:180 Resp: 122665
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.3 114.5
 145 32.3 25.8 38.8





#71

Naphthalene

Concen: 6.559 ug/L

RT: 14.087 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

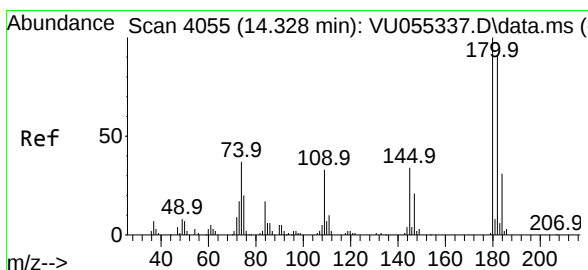
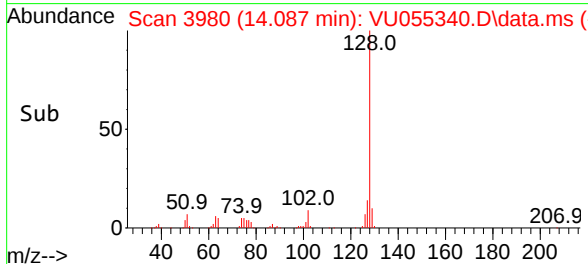
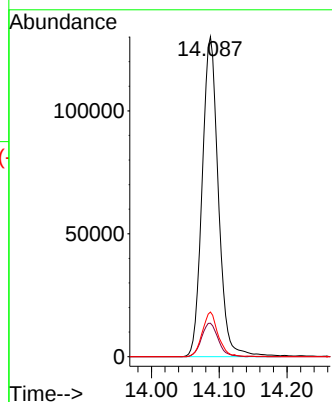
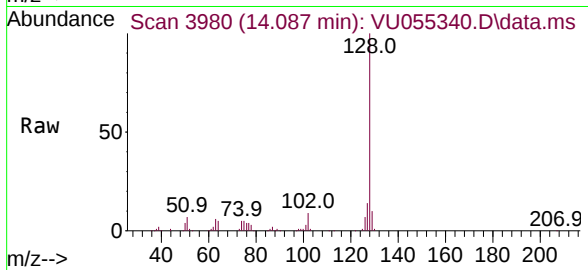
Tgt Ion:128 Resp: 216007

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.4

127 13.7 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.486 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.000 min

Lab File: VU055340.D

Acq: 15 Sep 2023 15:06

Tgt Ion:180 Resp: 108771

Ion Ratio Lower Upper

180 100

182 95.8 74.6 112.0

145 33.8 27.3 40.9

