

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111623\
 Data File : VU056399.D
 Acq On : 16 Nov 2023 11:52
 Operator : MD/SY
 Sample : 05372-12MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 01:35:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 01:31:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	336753	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	332071	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	163187	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	99817	3.963	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.200%
7) Chloroethane-d5	1.907	69	79299	4.106	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.563	65	44562	4.009	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.618	46	248771	49.531	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.060%
24) Chloroform-d	5.055	84	218963	4.494	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.695	65	106640	4.737	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.721	84	419043	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
36) 1,2-Dichloropropane-d6	6.685	67	130942	4.391	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.894	98	381230	4.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	8.174	79	51604	4.512	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.627	63	223093	49.641	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.280%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	100780	4.730	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	134165	4.450	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	130319	4.884	ug/L	98
3) Chloromethane	1.515	50	131670	4.829	ug/L	96
5) Vinyl chloride	1.602	62	129995	4.948	ug/L	96
6) Bromomethane	1.853	94	57991	4.361	ug/L	95
8) Chloroethane	1.927	64	75351	4.695	ug/L	98
9) Trichlorofluoromethane	2.132	101	186744	4.933	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	112022	4.984	ug/L	100
12) 1,1-Dichloroethene	2.576	96	101587	4.928	ug/L	90
13) Acetone	2.627	43	144384	33.753	ug/L	97
14) Carbon disulfide	2.788	76	299725	4.468	ug/L	98
15) Methyl Acetate	2.946	43	35026	4.601	ug/L	96
16) Methylene chloride	3.039	84	114179	4.185	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	250766	5.007	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	102945	4.854	ug/L	99
19) 1,1-Dichloroethane	3.862	63	212104	5.048	ug/L	98
21) 2-Butanone	4.698	43	230755	41.572	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	121668	5.058	ug/L	95
23) Bromochloromethane	4.968	128	49946	5.045	ug/L	95
25) Chloroform	5.081	83	231753	5.091	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111623\
 Data File : VU056399.D
 Acq On : 16 Nov 2023 11:52
 Operator : MD/SY
 Sample : 05372-12MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

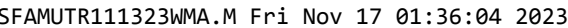
Instrument :
 MSVOA_U
 ClientSampleId :

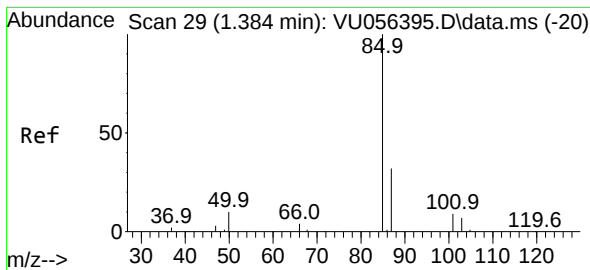
Quant Time: Nov 17 01:35:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 01:31:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	132211	5.116	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	192452	5.049	ug/L	99
30) Cyclohexane	5.383	56	167642	4.634	ug/L	98
31) Carbon tetrachloride	5.518	117	161939	4.946	ug/L	98
33) Benzene	5.769	78	458728	4.841	ug/L	100
34) Trichloroethene	6.537	95	147831	5.726	ug/L	95
35) Methylcyclohexane	6.759	83	171959	4.614	ug/L	97
37) 1,2-Dichloropropane	6.785	63	121726	4.926	ug/L	100
38) Bromodichloromethane	7.100	83	153152	4.801	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	178815	4.925	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	600779	49.049	ug/L	98
42) Toluene	7.965	91	488684	4.982	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	148307	5.124	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	83918	5.099	ug/L	94
47) Tetrachloroethene	8.550	164	92951	5.339	ug/L	97
48) 2-Hexanone	8.679	43	436576	45.752	ug/L	100
49) Dibromochloromethane	8.804	129	93784	5.012	ug/L	98
50) 1,2-Dibromoethane	8.920	107	74787	4.814	ug/L	96
51) Chlorobenzene	9.441	112	310424	4.925	ug/L	100
52) Ethylbenzene	9.566	91	546906	5.021	ug/L	100
53) m,p-Xylene	9.692	106	203691	5.086	ug/L	99
54) o-Xylene	10.097	106	196866	5.061	ug/L	97
55) Styrene	10.110	104	343190	5.304	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	102103	5.081	ug/L	99
59) Bromoform	10.286	173	53355	5.249	ug/L	98
60) Isopropylbenzene	10.479	105	545125	5.180	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	71058	5.075	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	446051	5.162	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	444909	5.216	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	248419	5.189	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	242971	5.060	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	226753	5.163	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	15394	5.147	ug/L	89
69) 1,3,5-Trichlorobenzene	13.212	180	182254	5.057	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	150911	5.141	ug/L	100
71) Naphthalene	14.080	128	233428	5.263	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	128798	5.326	ug/L	97

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

Quant Time: Nov 17 01:35:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 17 01:31:28 2023
Response via : Initial Calibration

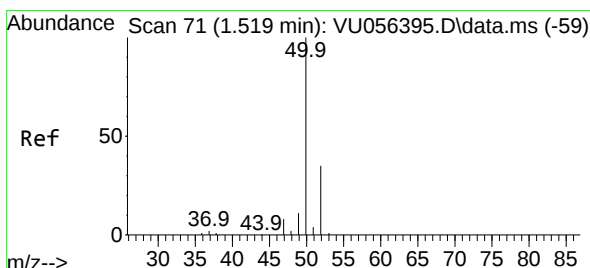
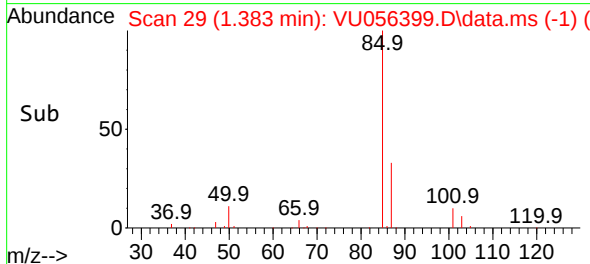
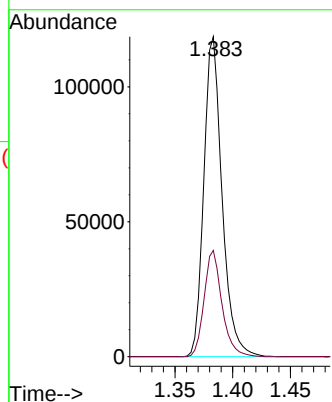
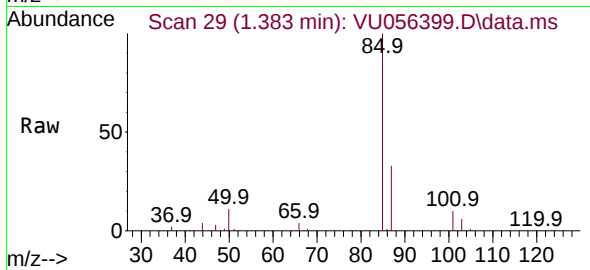




#2
 Dichlorodifluoromethane
 Concen: 4.884 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056399.D
 Acq: 16 Nov 2023 11:52

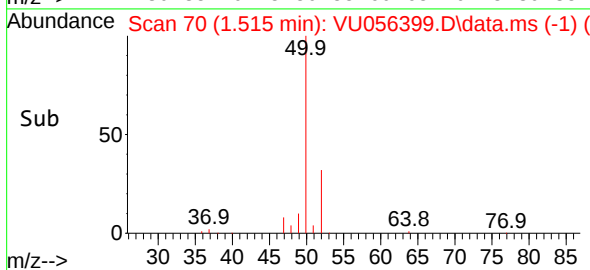
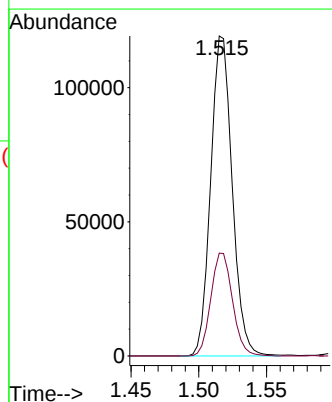
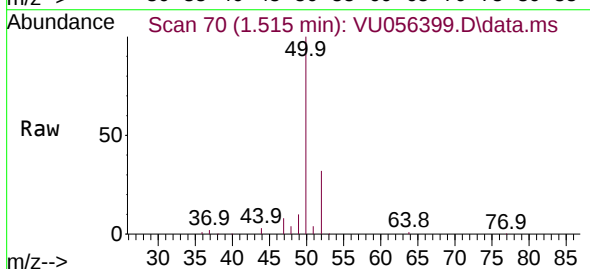
Instrument :
 MSVOA_U
 ClientSampleId :

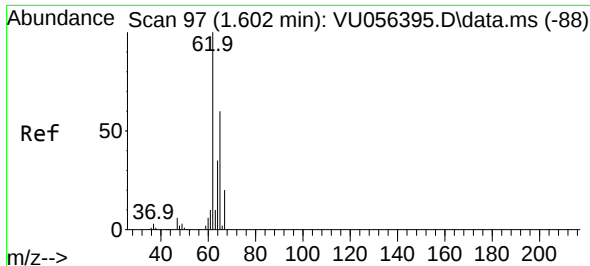
Tgt Ion: 85 Resp: 130319
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.0 37.4



#3
 Chloromethane
 Concen: 4.829 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.004 min
 Lab File: VU056399.D
 Acq: 16 Nov 2023 11:52

Tgt Ion: 50 Resp: 131670
 Ion Ratio Lower Upper
 50 100
 52 32.1 24.3 45.1

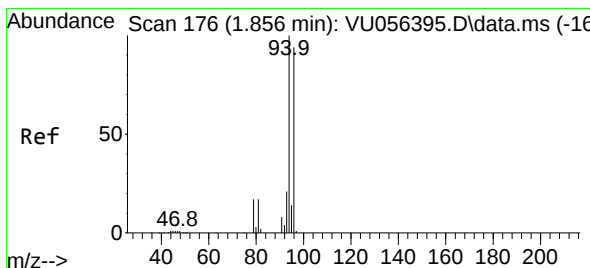
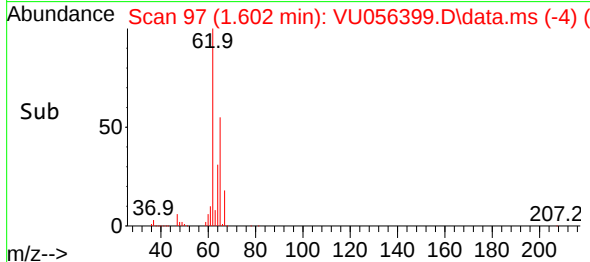
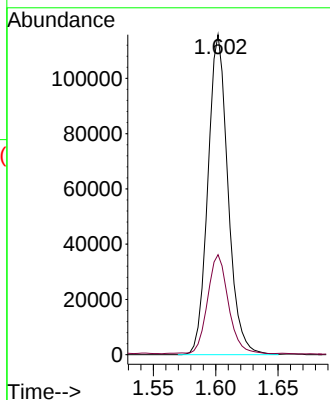
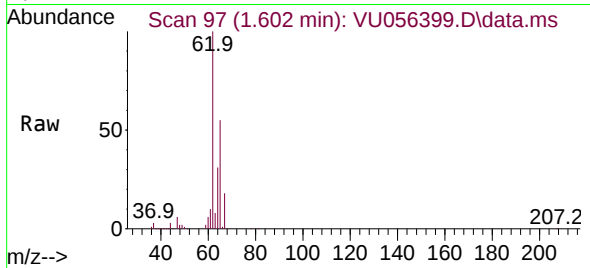




#5
 Vinyl chloride
 Concen: 4.948 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056399.D
 Acq: 16 Nov 2023 11:52

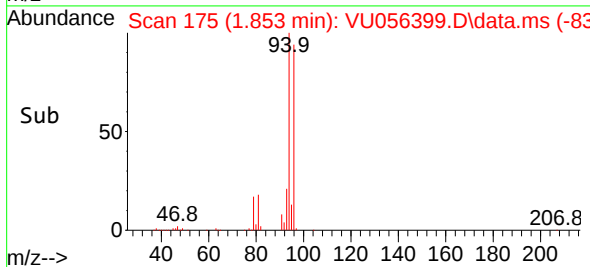
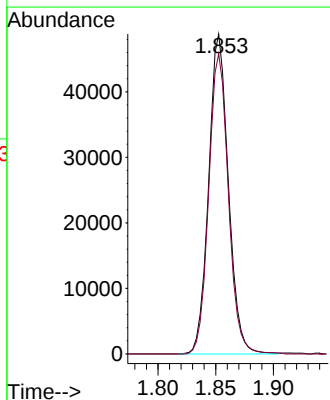
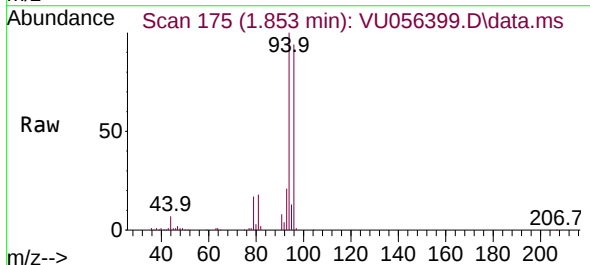
Instrument :
 MSVOA_U
 ClientSampleId :

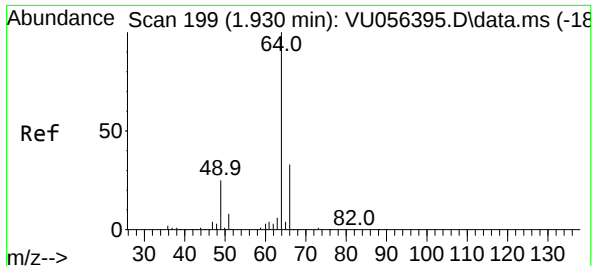
Tgt Ion: 62 Resp: 129995
 Ion Ratio Lower Upper
 62 100
 64 31.2 23.3 43.3



#6
 Bromomethane
 Concen: 4.361 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.004 min
 Lab File: VU056399.D
 Acq: 16 Nov 2023 11:52

Tgt Ion: 94 Resp: 57991
 Ion Ratio Lower Upper
 94 100
 96 93.8 62.6 116.2

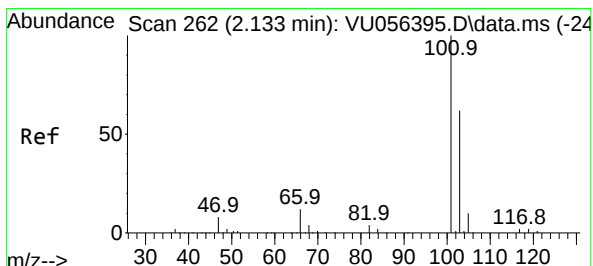
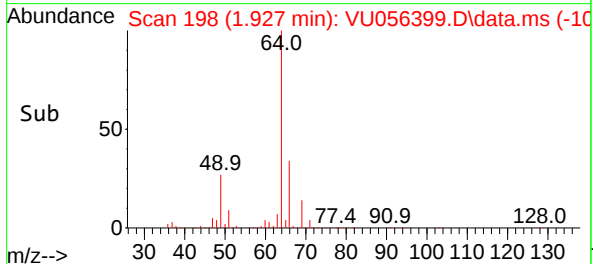
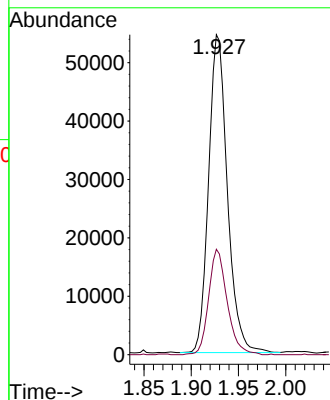
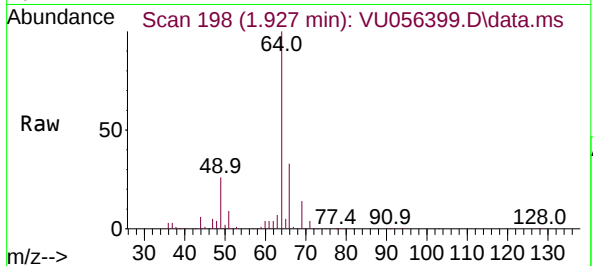




#8
Chloroethane
Concen: 4.695 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.004 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

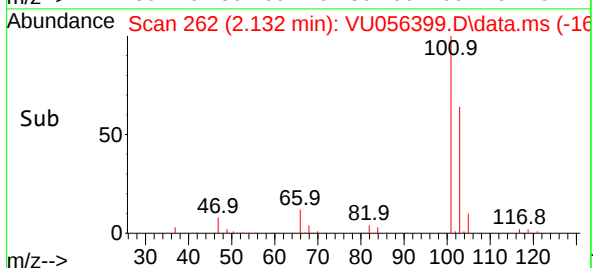
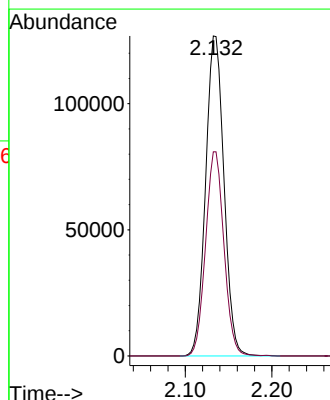
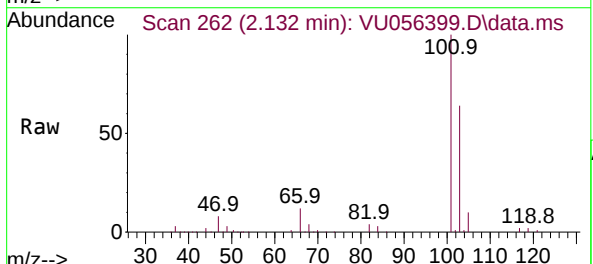
Instrument :
MSVOA_U
ClientSampleId :

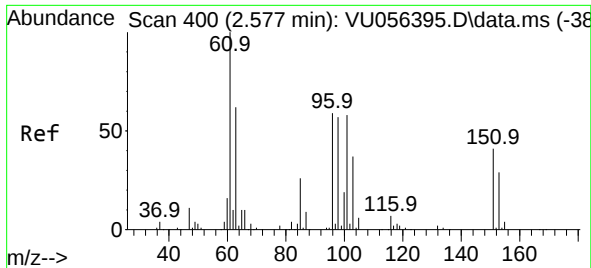
Tgt Ion: 64 Resp: 75351
Ion Ratio Lower Upper
64 100
66 32.9 23.9 44.5



#9
Trichlorofluoromethane
Concen: 4.933 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Tgt Ion: 101 Resp: 186744
Ion Ratio Lower Upper
101 100
103 63.8 52.0 78.0

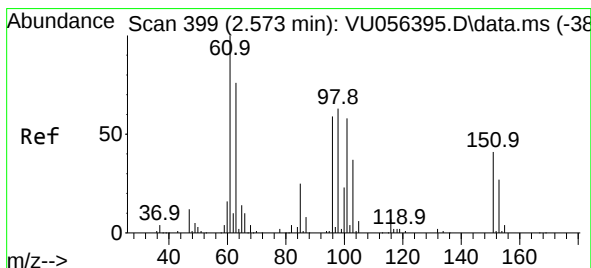
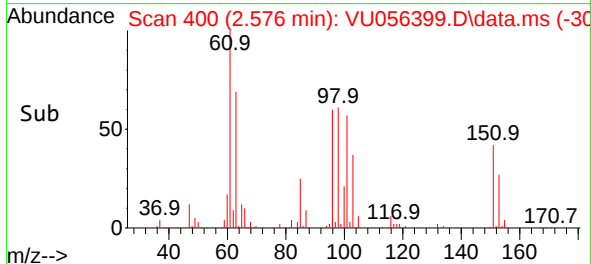
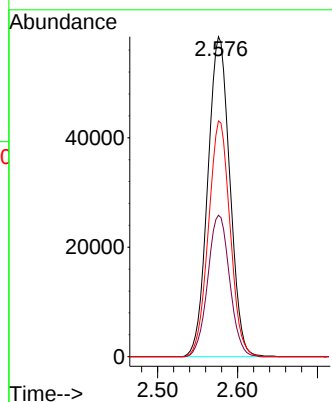
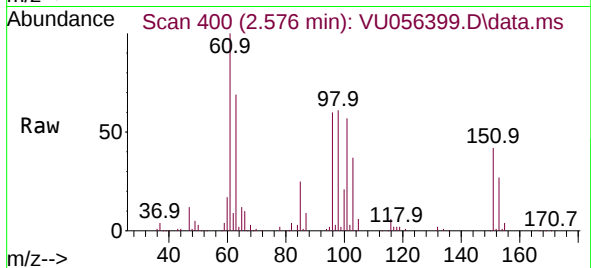




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.984 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056399.D
 Acq: 16 Nov 2023 11:52

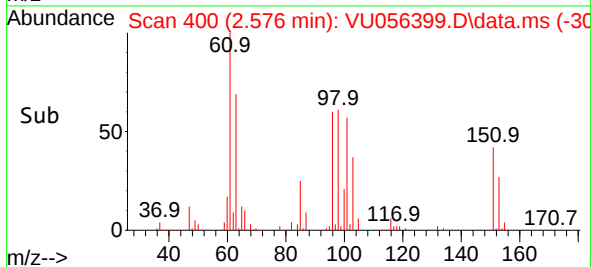
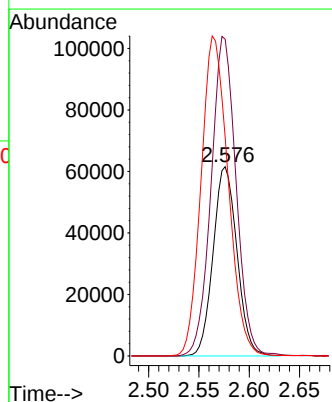
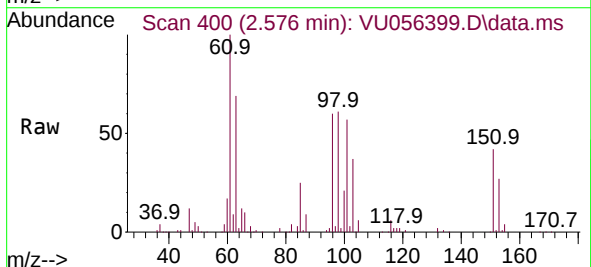
Instrument :
 MSVOA_U
 ClientSampleId :

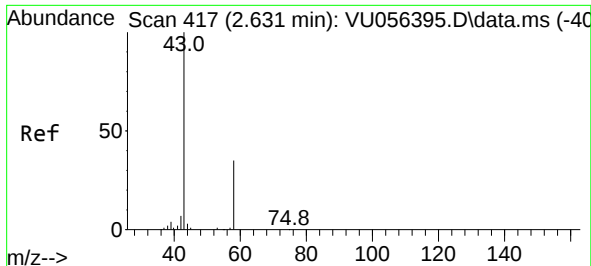
Tgt Ion:101 Resp: 112022
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.4 53.0
 151 72.2 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 4.928 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU056399.D
 Acq: 16 Nov 2023 11:52

Tgt Ion: 96 Resp: 101587
 Ion Ratio Lower Upper
 96 100
 61 167.3 123.1 228.7
 63 115.5 93.3 173.3





#13

Acetone

Concen: 33.753 ug/L

RT: 2.627 min Scan# 41

Delta R.T. -0.004 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

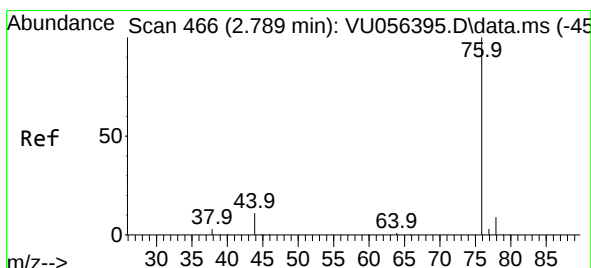
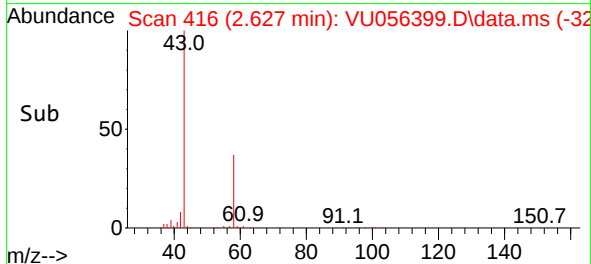
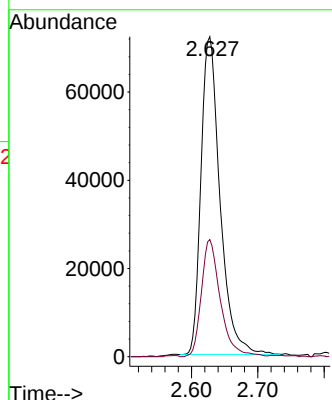
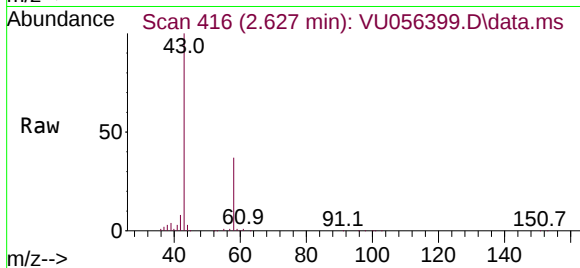
ClientSampleId :

Tgt Ion: 43 Resp: 144384

Ion Ratio Lower Upper

43 100

58 36.7 0.0 70.0



#14

Carbon disulfide

Concen: 4.468 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056399.D

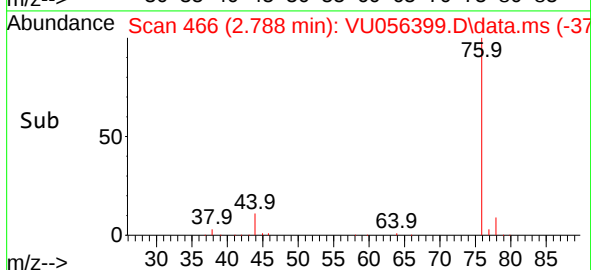
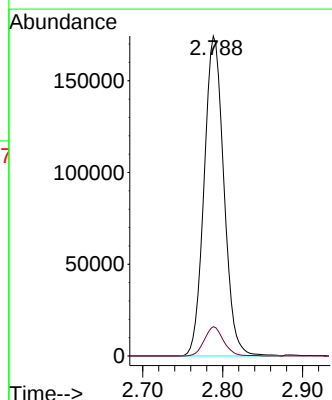
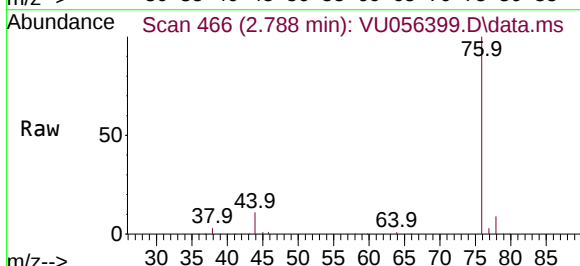
Acq: 16 Nov 2023 11:52

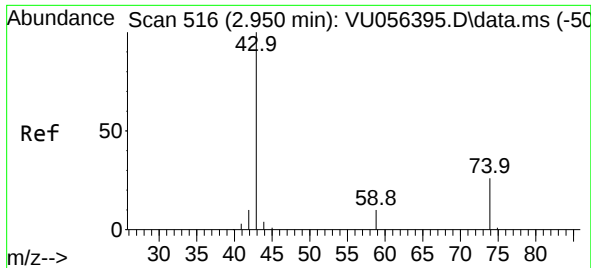
Tgt Ion: 76 Resp: 299725

Ion Ratio Lower Upper

76 100

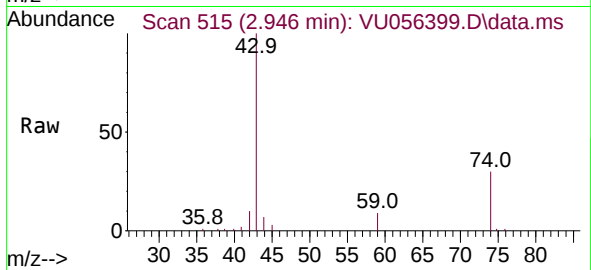
78 9.1 6.8 10.2



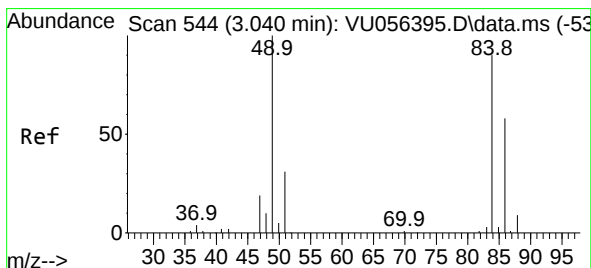
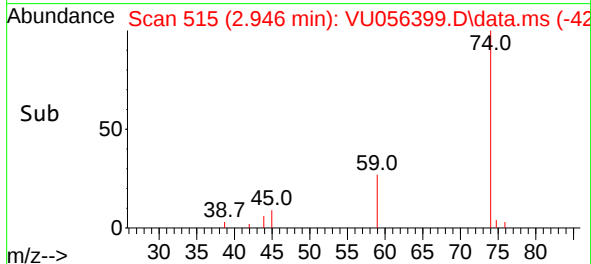
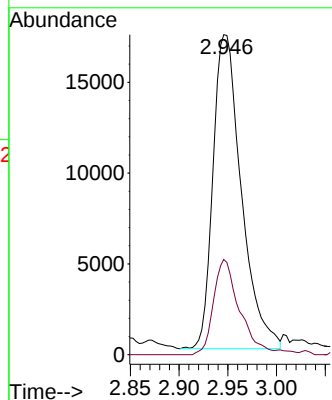


#15
Methyl Acetate
Concen: 4.601 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.004 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Instrument :
MSVOA_U
ClientSampleId :

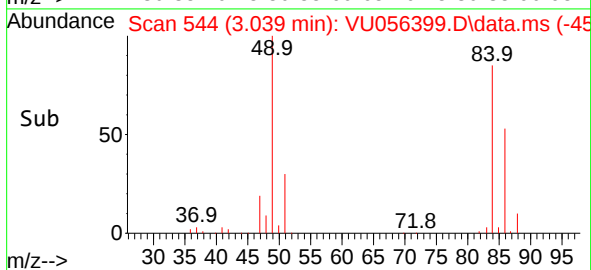
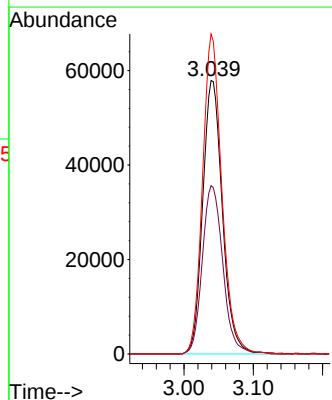
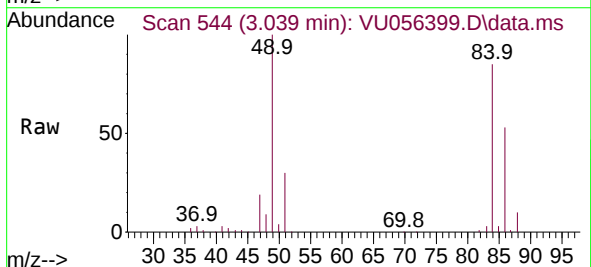


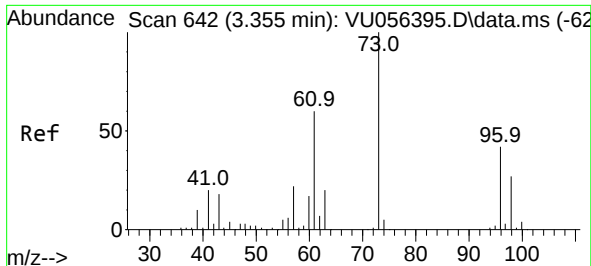
Tgt Ion: 43 Resp: 35026
Ion Ratio Lower Upper
43 100
74 27.6 20.6 31.0



#16
Methylene chloride
Concen: 4.185 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Tgt Ion: 84 Resp: 114179
Ion Ratio Lower Upper
84 100
86 61.6 44.7 83.1
49 117.0 81.8 152.0





#17

Methyl tert-butyl Ether

Concen: 5.007 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

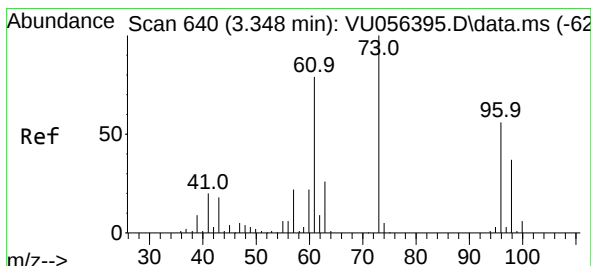
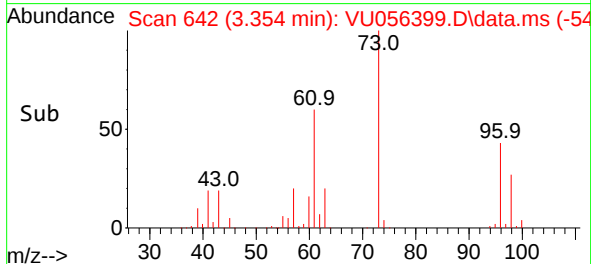
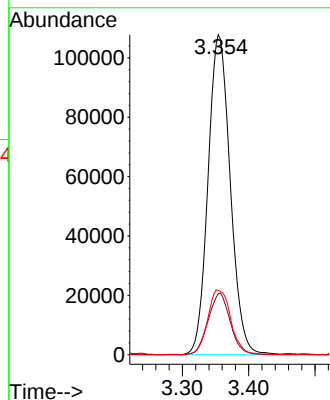
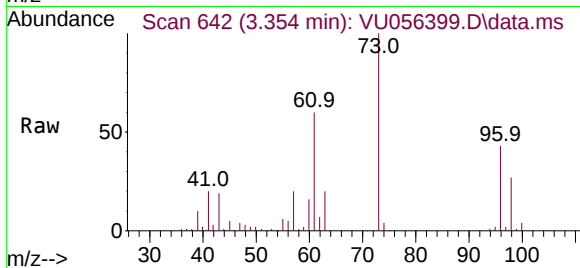
Tgt Ion: 73 Resp: 250766

Ion Ratio Lower Upper

73 100

43 19.0 15.1 22.7

57 21.2 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 4.854 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

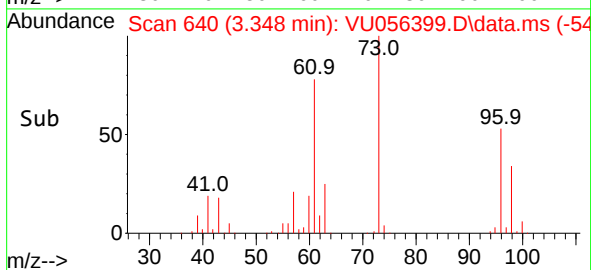
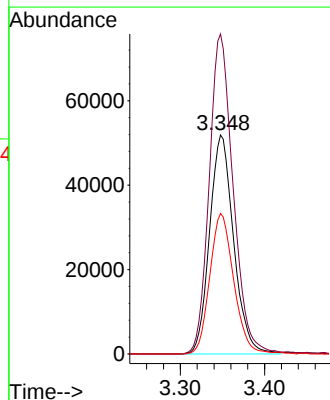
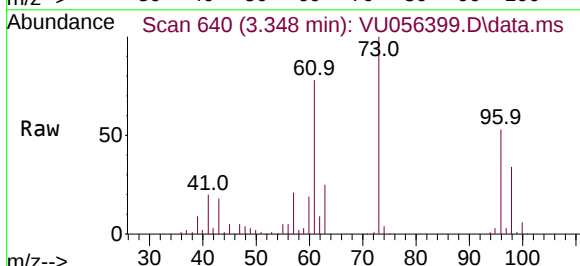
Tgt Ion: 96 Resp: 102945

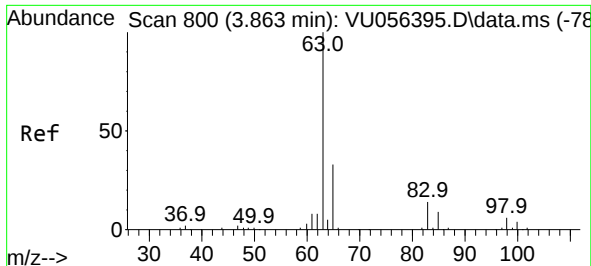
Ion Ratio Lower Upper

96 100

61 146.1 101.7 188.9

98 64.2 43.0 80.0





#19

1,1-Dichloroethane

Concen: 5.048 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

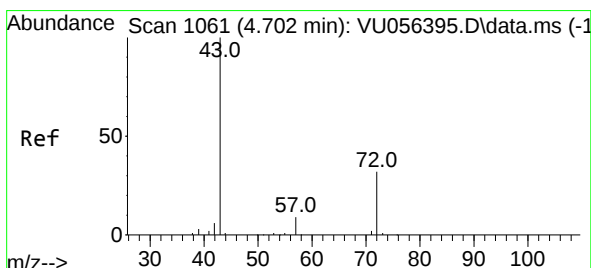
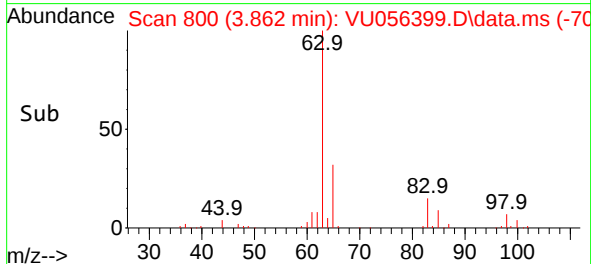
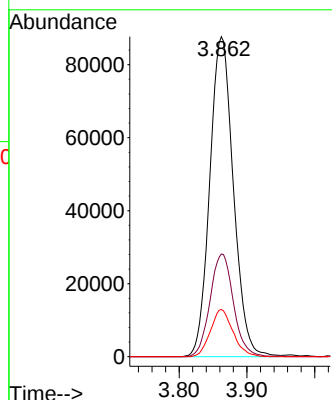
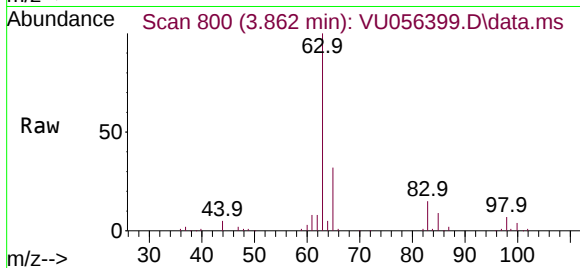
Tgt Ion: 63 Resp: 212104

Ion Ratio Lower Upper

63 100

65 32.1 21.8 40.6

83 14.7 9.7 17.9



#21

2-Butanone

Concen: 41.572 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.004 min

Lab File: VU056399.D

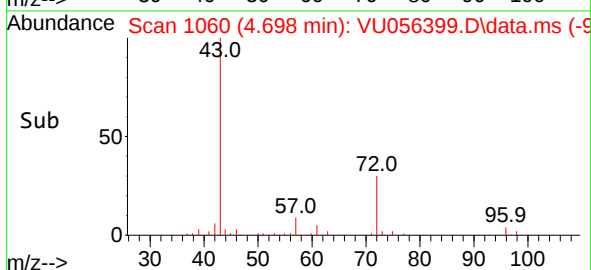
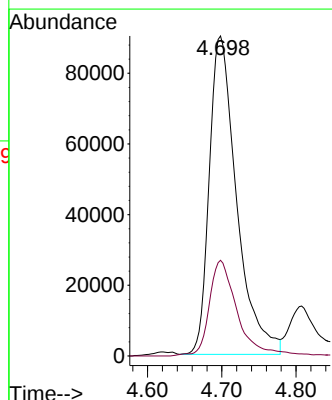
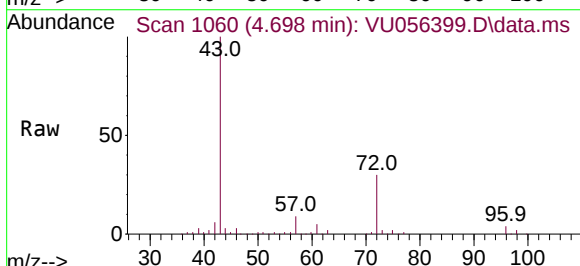
Acq: 16 Nov 2023 11:52

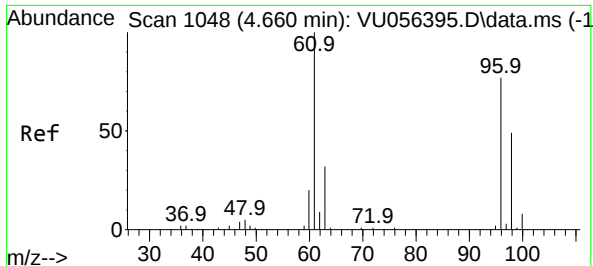
Tgt Ion: 43 Resp: 230755

Ion Ratio Lower Upper

43 100

72 30.9 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 5.058 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

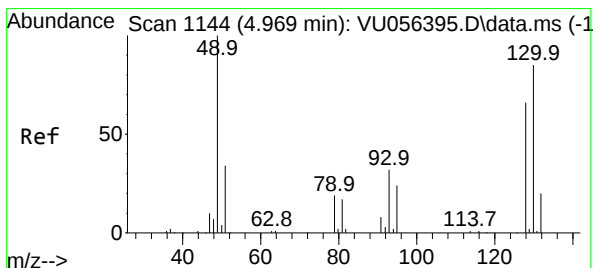
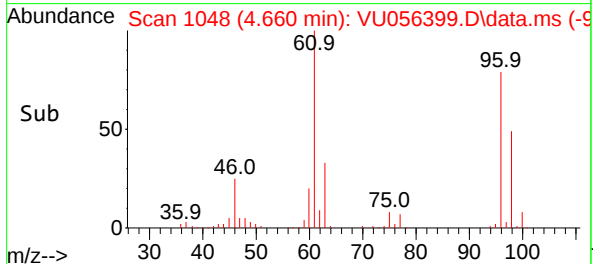
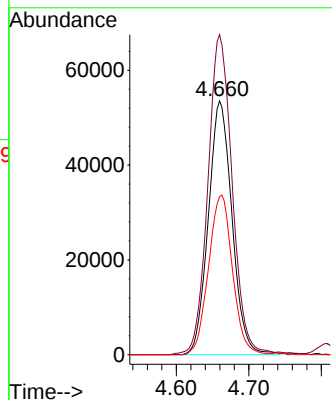
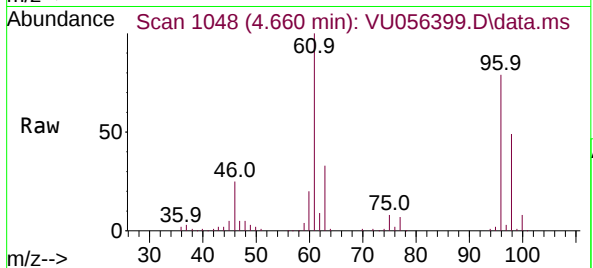
Tgt Ion: 96 Resp: 121668

Ion Ratio Lower Upper

96 100

61 126.1 93.2 173.2

98 62.2 44.8 83.2



#23

Bromochloromethane

Concen: 5.045 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Tgt Ion:128 Resp: 49946

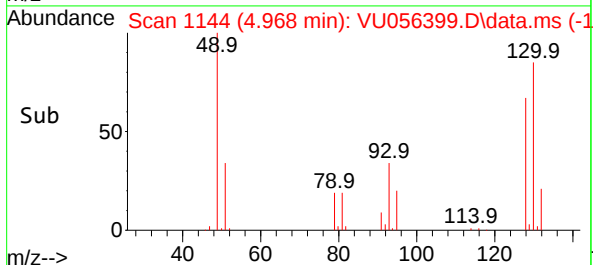
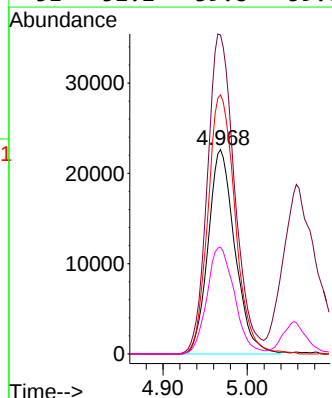
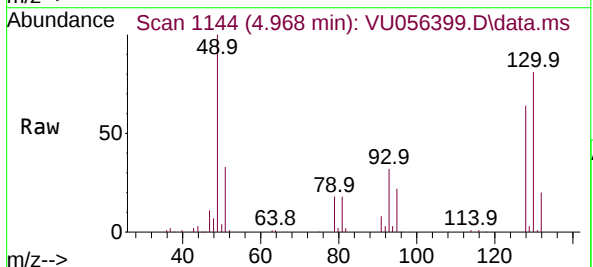
Ion Ratio Lower Upper

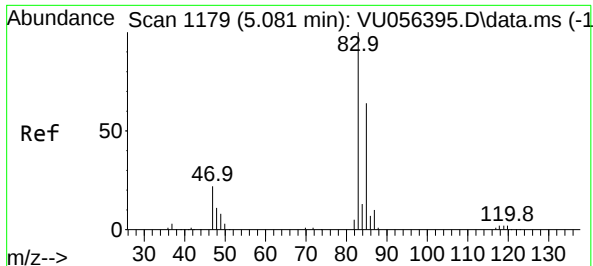
128 100

49 156.0 113.4 210.6

130 126.7 84.8 157.6

51 52.2 39.8 59.6





#25

Chloroform

Concen: 5.091 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

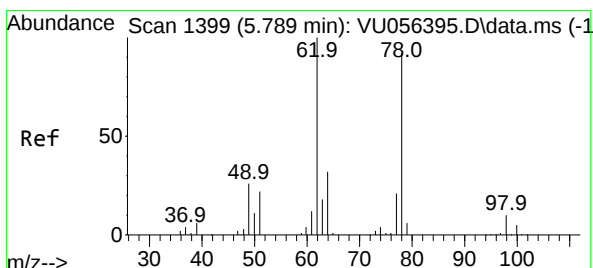
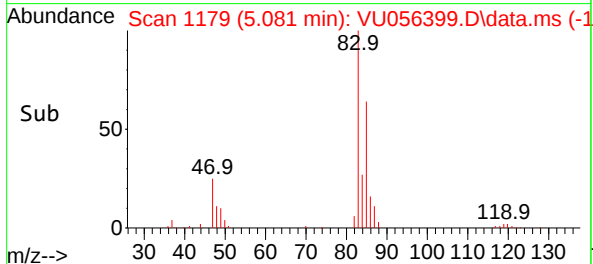
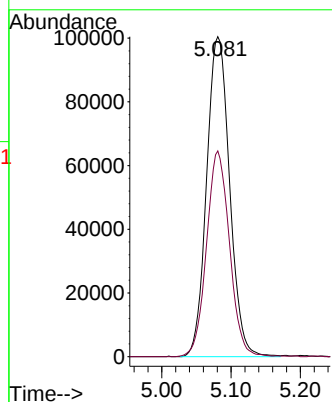
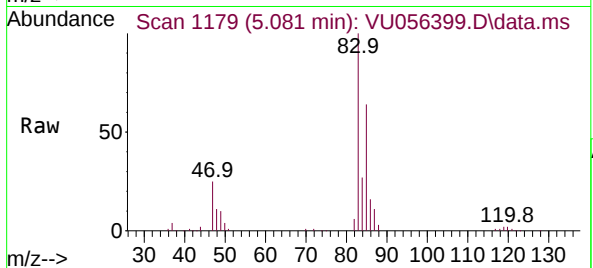
ClientSampleId :

Tgt Ion: 83 Resp: 231753

Ion Ratio Lower Upper

83 100

85 64.3 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.116 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056399.D

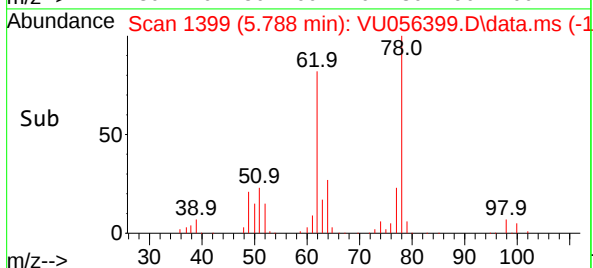
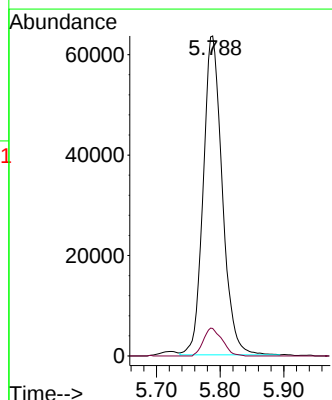
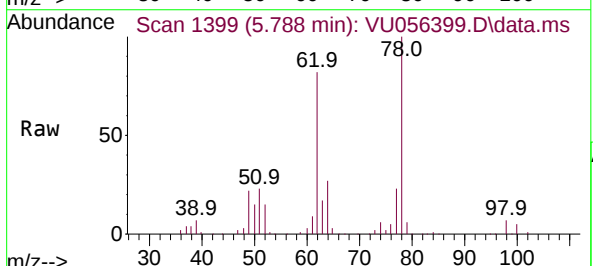
Acq: 16 Nov 2023 11:52

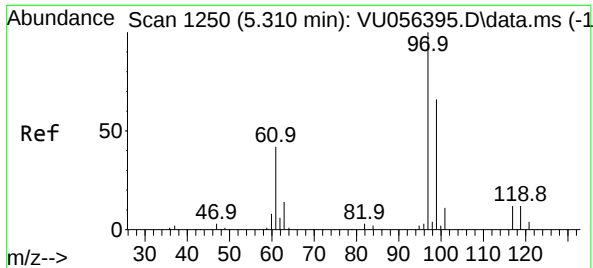
Tgt Ion: 62 Resp: 132211

Ion Ratio Lower Upper

62 100

98 8.6 6.6 10.0

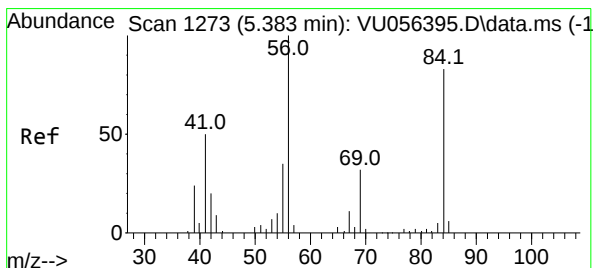
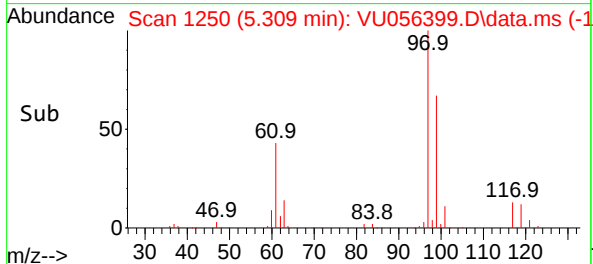
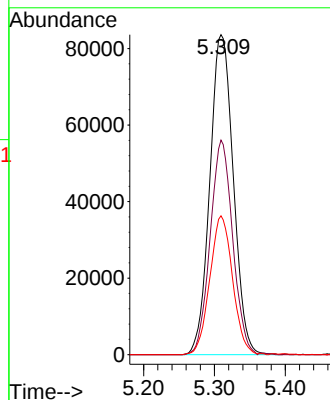
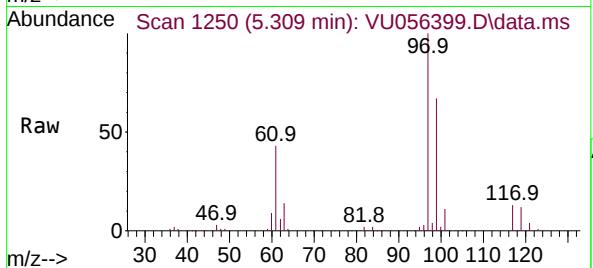




#29
1,1,1-Trichloroethane
Concen: 5.049 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

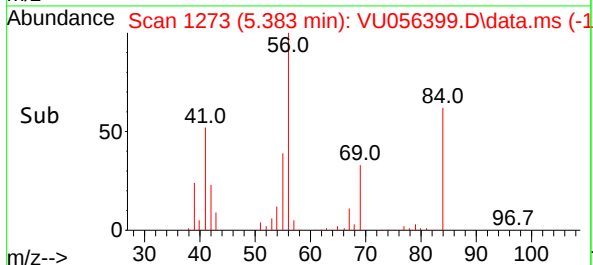
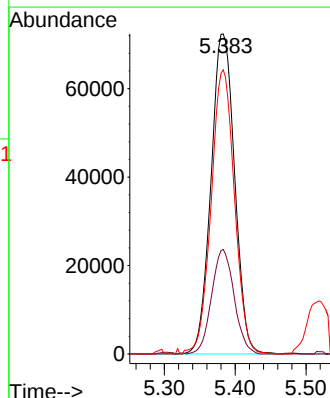
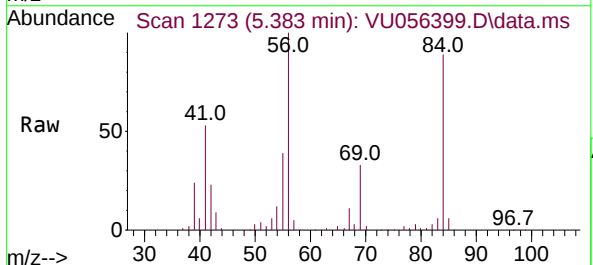
Instrument :
MSVOA_U
ClientSampleId :

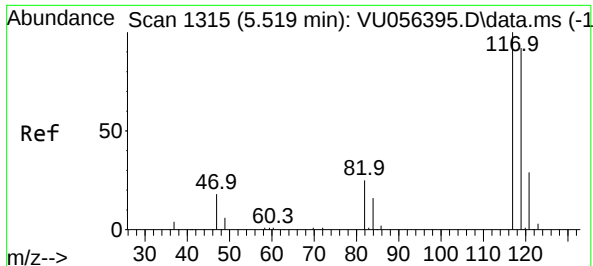
Tgt Ion: 97 Resp: 192452
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 42.1 34.3 51.5



#30
Cyclohexane
Concen: 4.634 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Tgt Ion: 56 Resp: 167642
Ion Ratio Lower Upper
56 100
69 31.1 25.4 38.2
84 87.5 68.6 103.0

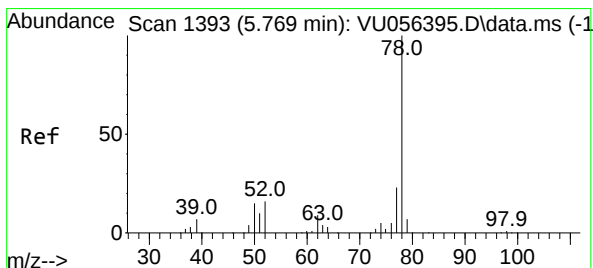
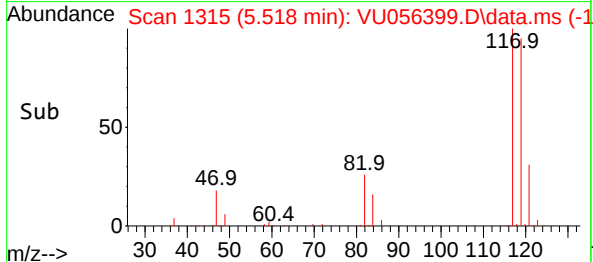
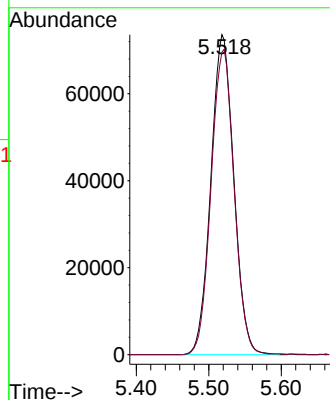
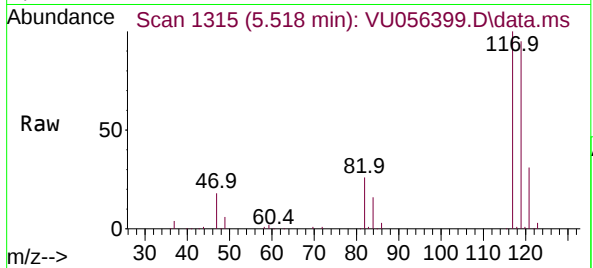




#31
Carbon tetrachloride
Concen: 4.946 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

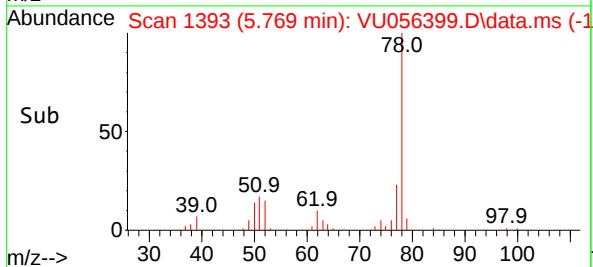
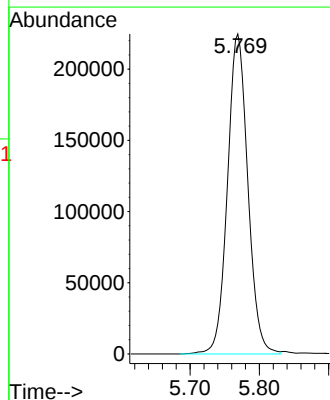
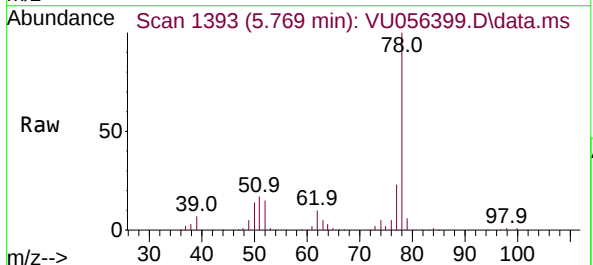
Instrument :
MSVOA_U
ClientSampleId :

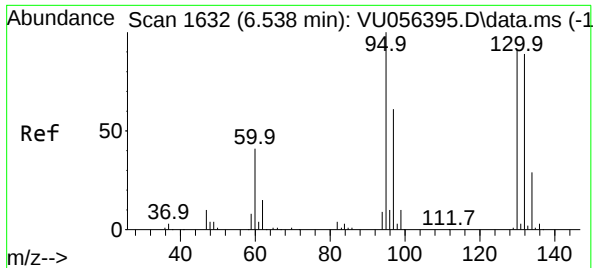
Tgt Ion:117 Resp: 161939
Ion Ratio Lower Upper
117 100
119 95.5 78.1 117.1



#33
Benzene
Concen: 4.841 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Tgt Ion: 78 Resp: 458728

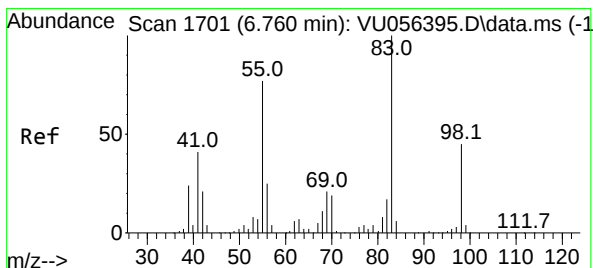
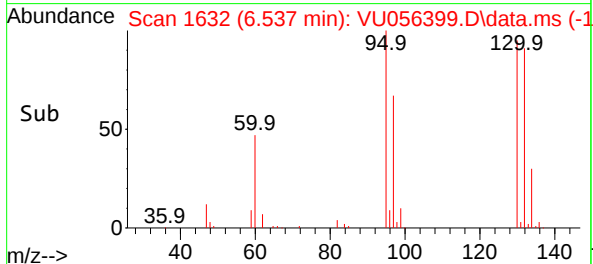
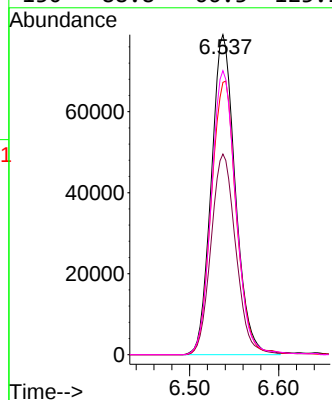
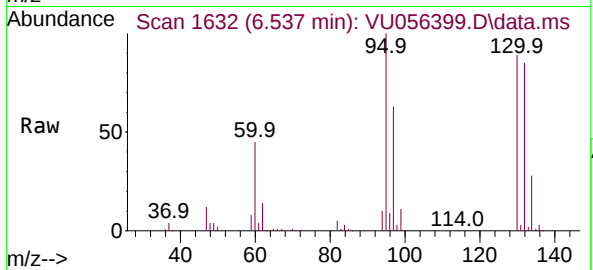




#34
Trichloroethene
Concen: 5.726 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

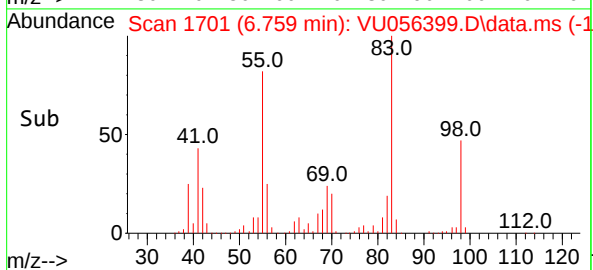
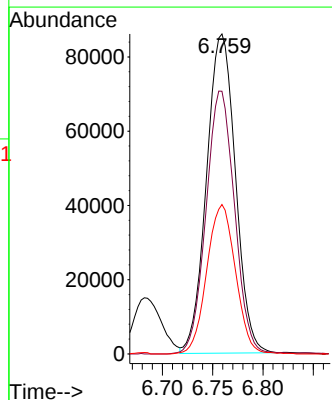
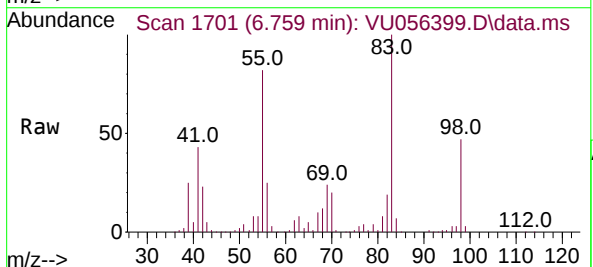
Instrument :
MSVOA_U
ClientSampleId :

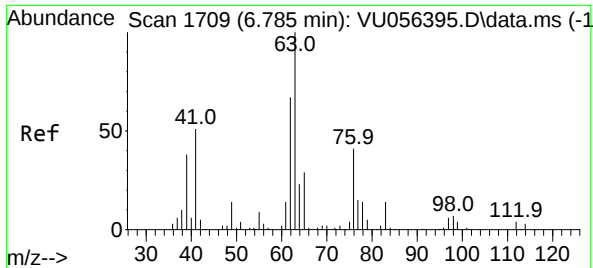
Tgt Ion: 95 Resp: 147831
Ion Ratio Lower Upper
95 100
97 62.7 46.5 86.3
132 85.1 62.0 115.2
130 88.8 66.3 123.1



#35
Methylcyclohexane
Concen: 4.614 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Tgt Ion: 83 Resp: 171959
Ion Ratio Lower Upper
83 100
55 81.5 62.9 94.3
98 46.5 35.3 52.9





#37

1,2-Dichloropropane

Concen: 4.926 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

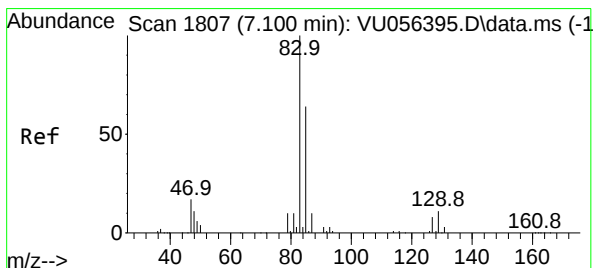
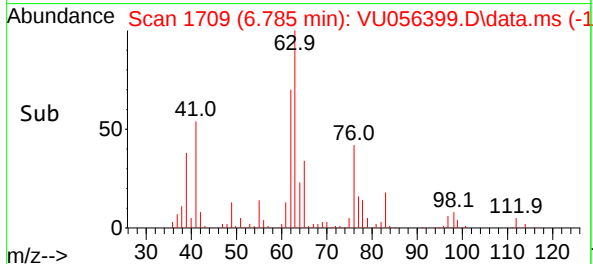
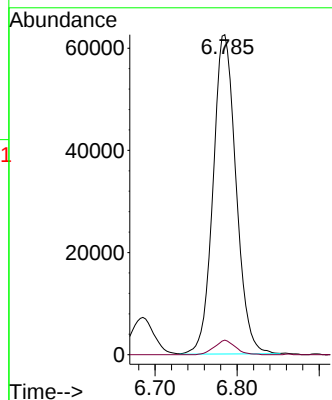
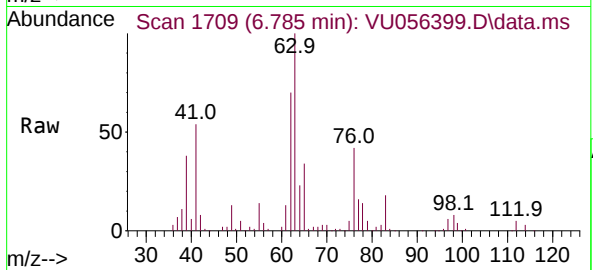
ClientSampleId :

Tgt Ion: 63 Resp: 121726

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 4.801 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

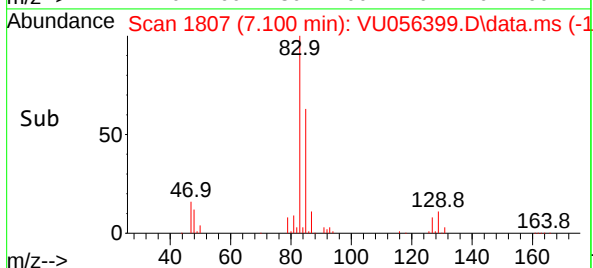
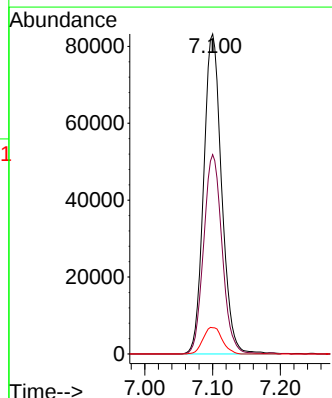
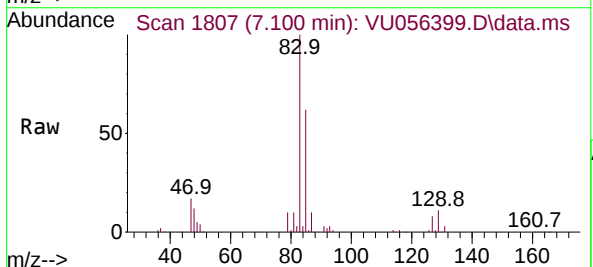
Tgt Ion: 83 Resp: 153152

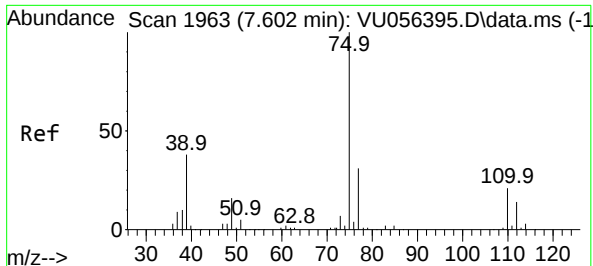
Ion Ratio Lower Upper

83 100

85 62.3 44.9 83.5

127 8.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.925 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

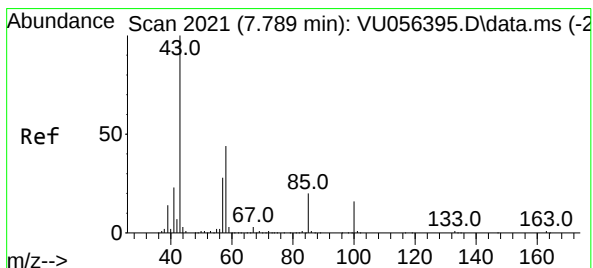
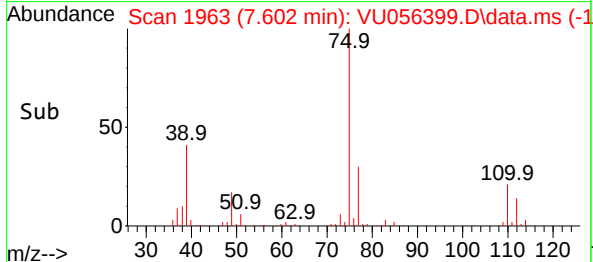
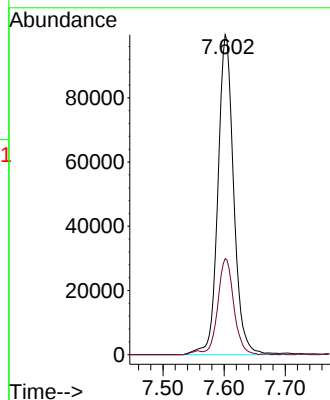
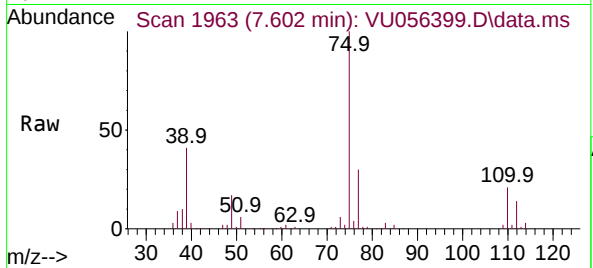
ClientSampleId :

Tgt Ion: 75 Resp: 178815

Ion Ratio Lower Upper

75 100

77 30.0 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 49.049 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.004 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

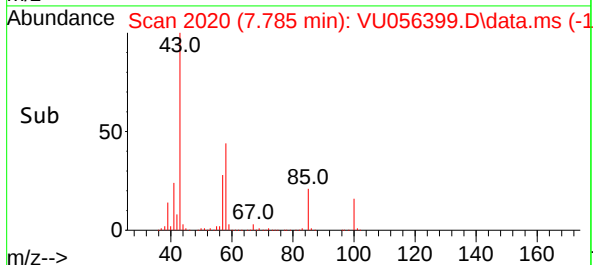
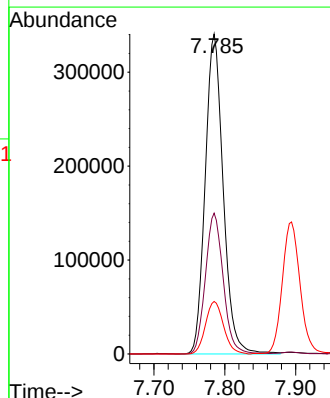
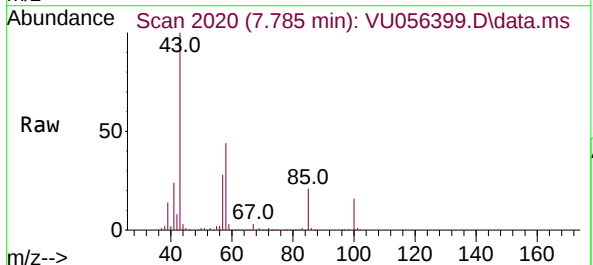
Tgt Ion: 43 Resp: 600779

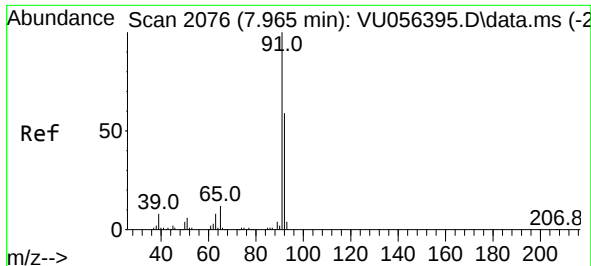
Ion Ratio Lower Upper

43 100

58 43.6 33.8 50.8

100 16.5 13.0 19.4





#42

Toluene

Concen: 4.982 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

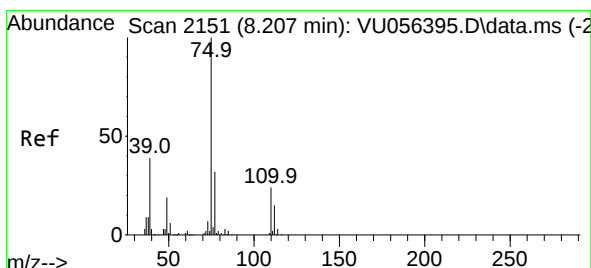
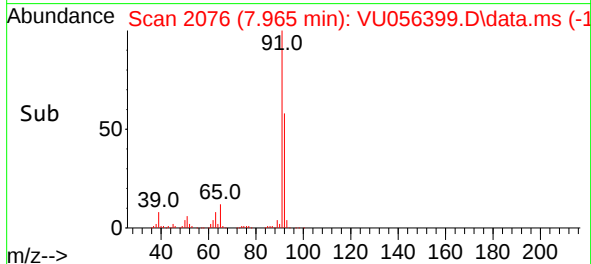
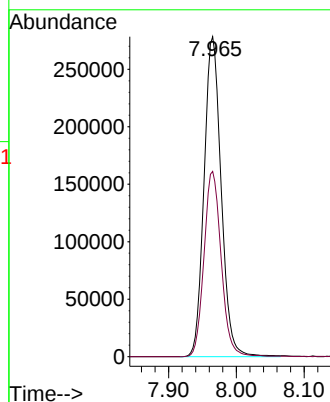
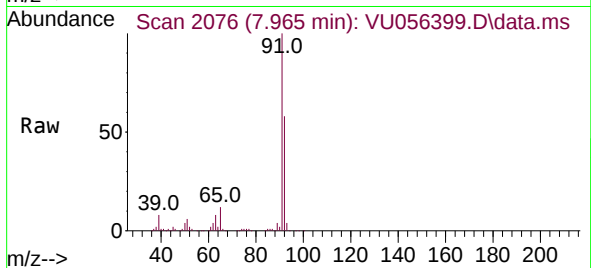
ClientSampleId :

Tgt Ion: 91 Resp: 488684

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.124 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056399.D

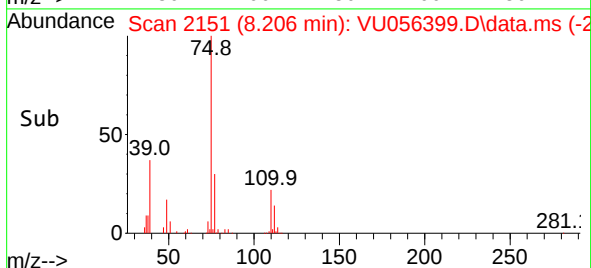
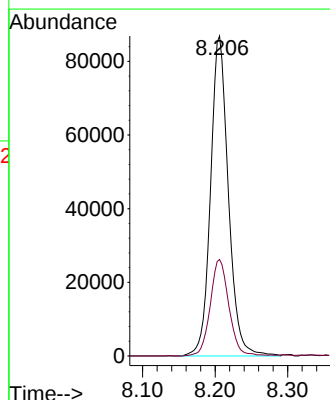
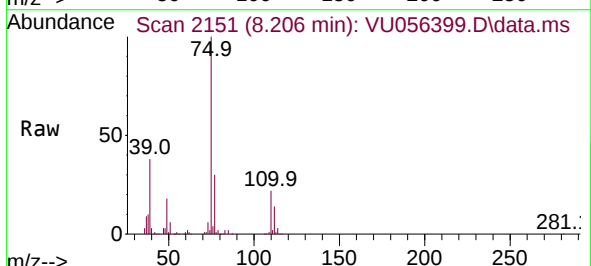
Acq: 16 Nov 2023 11:52

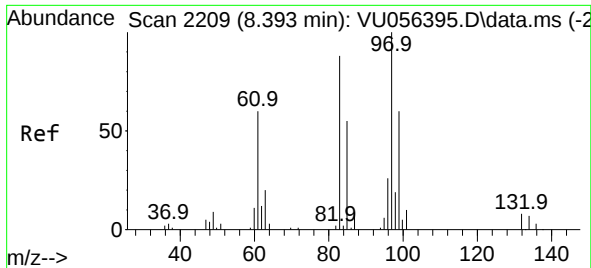
Tgt Ion: 75 Resp: 148307

Ion Ratio Lower Upper

75 100

77 30.1 22.8 42.4

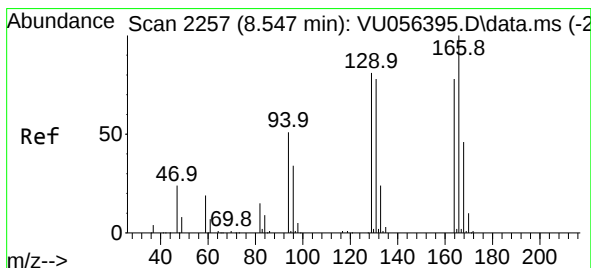
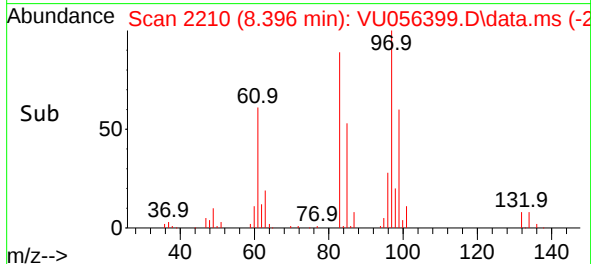
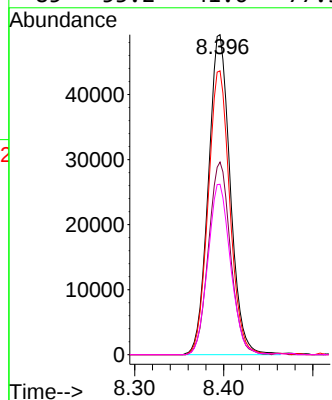
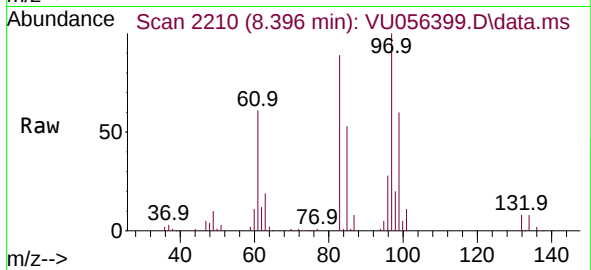




#45
1,1,2-Trichloroethane
Concen: 5.099 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

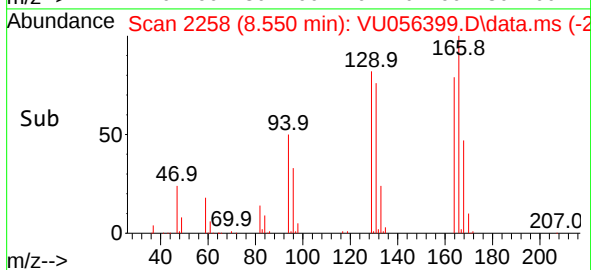
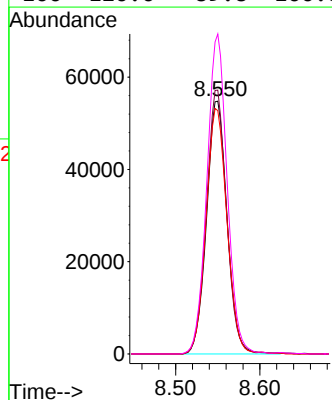
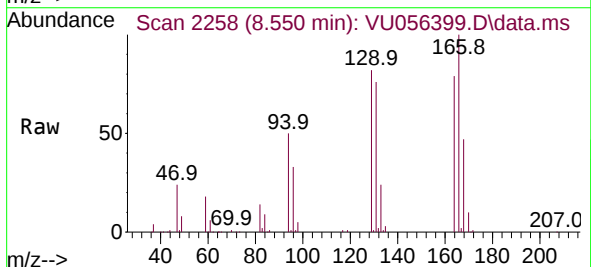
Instrument :
MSVOA_U
ClientSampleId :

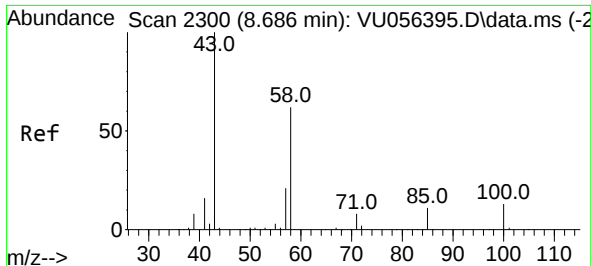
Tgt Ion: 97	Resp: 83918
Ion Ratio	Lower Upper
97 100	
99 60.2	44.3 82.3
83 88.7	65.4 121.4
85 53.2	41.6 77.3



#47
Tetrachloroethene
Concen: 5.339 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

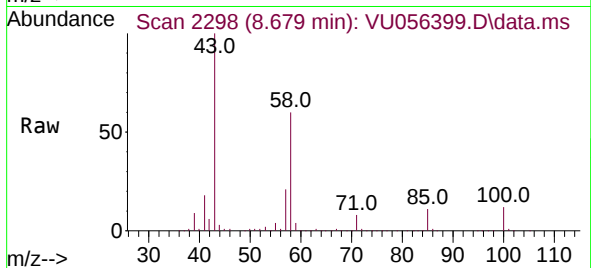
Tgt Ion: 164	Resp: 92951
Ion Ratio	Lower Upper
164 100	
129 104.4	71.0 131.9
131 96.2	70.3 130.7
166 126.6	89.8 166.8



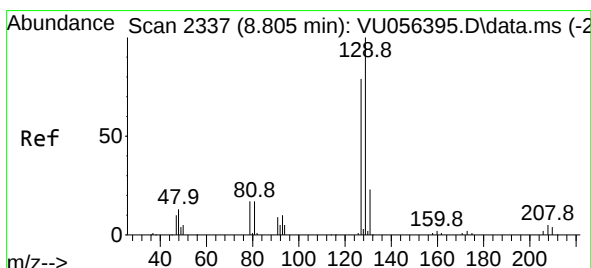
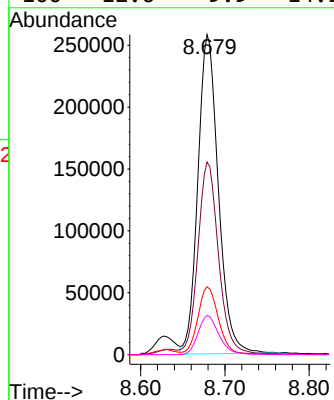
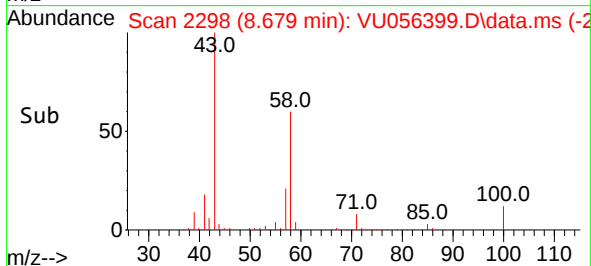


#48
2-Hexanone
Concen: 45.752 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Instrument :
MSVOA_U
ClientSampleId :

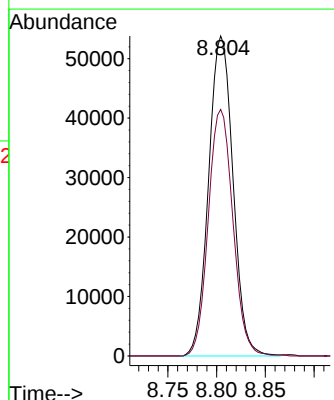
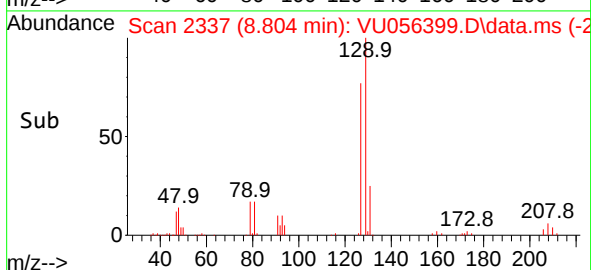
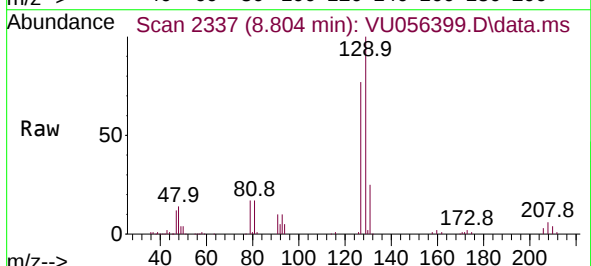


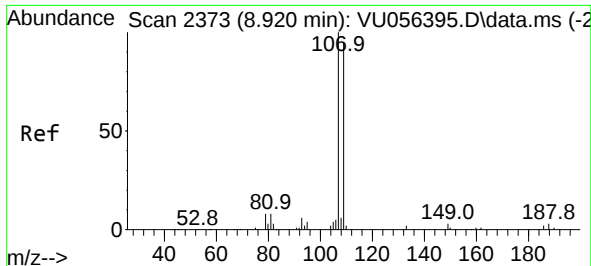
Tgt Ion: 43	Resp: 436576
Ion Ratio	Lower Upper
43 100	
58 60.9	48.7 73.1
57 21.4	16.8 25.2
100 12.6	9.9 14.9



#49
Dibromochloromethane
Concen: 5.012 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Tgt Ion:129	Resp:	93784	
Ion	Ratio	Lower	Upper
129	100		
127	77.0	52.9	98.3





#50

1,2-Dibromoethane

Concen: 4.814 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

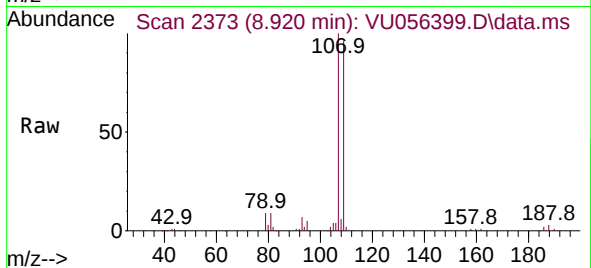
Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :



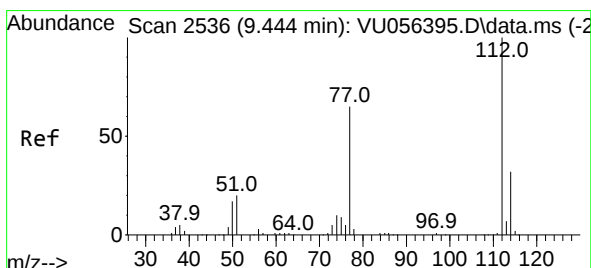
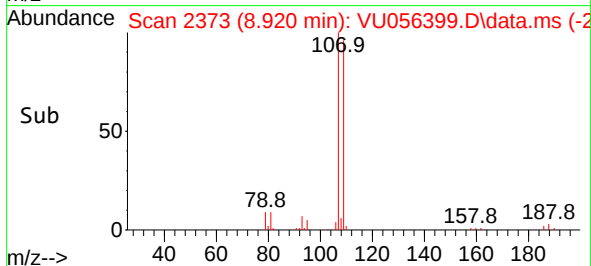
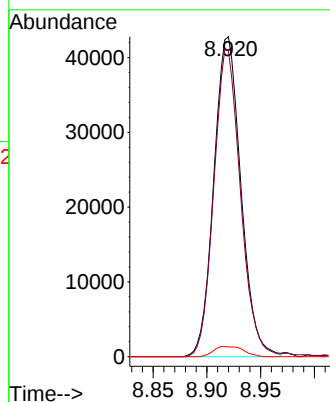
Tgt Ion:107 Resp: 74787

Ion Ratio Lower Upper

107 100

109 95.7 64.2 119.2

188 3.0 2.6 4.0



#51

Chlorobenzene

Concen: 4.925 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.004 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

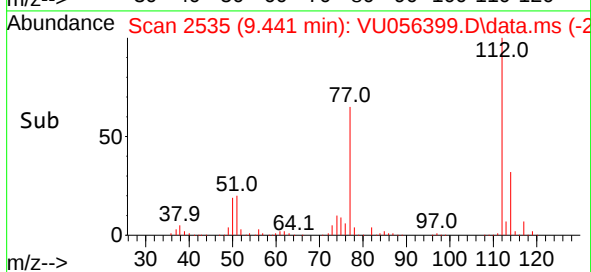
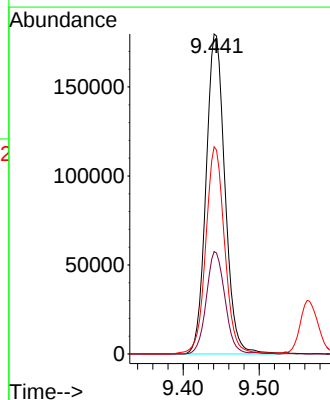
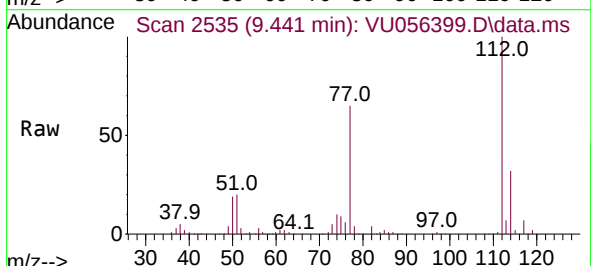
Tgt Ion:112 Resp: 310424

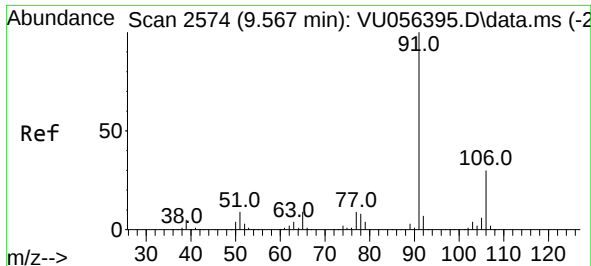
Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.7

77 64.8 51.7 77.5

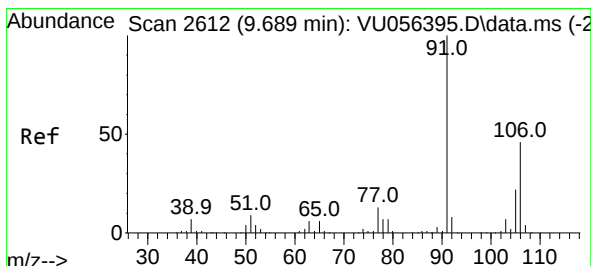
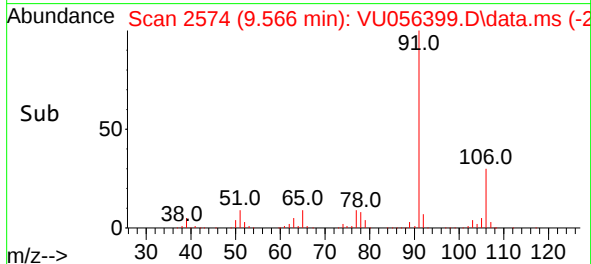
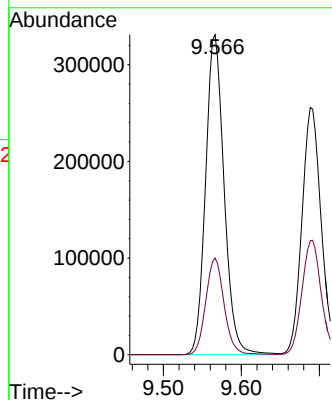
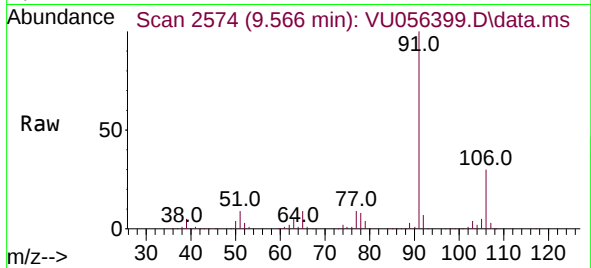




#52
Ethylbenzene
Concen: 5.021 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

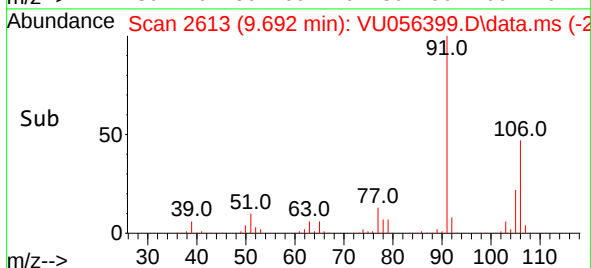
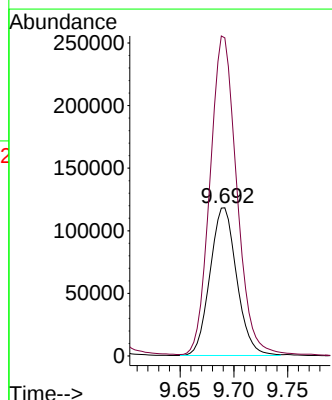
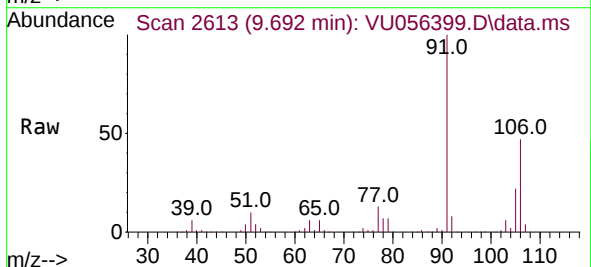
Instrument :
MSVOA_U
ClientSampleId :

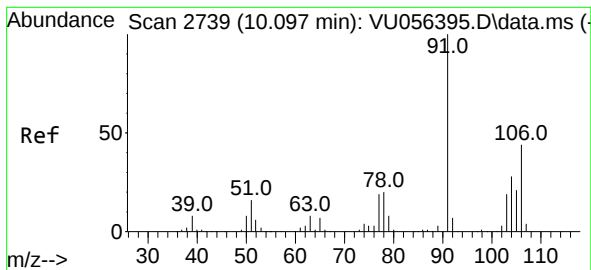
Tgt Ion: 91 Resp: 546906
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.1



#53
m,p-Xylene
Concen: 5.086 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Tgt Ion:106 Resp: 203691
Ion Ratio Lower Upper
106 100
91 214.7 149.6 277.8





#54

o-Xylene

Concen: 5.061 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

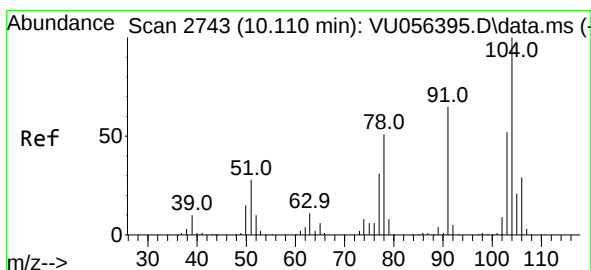
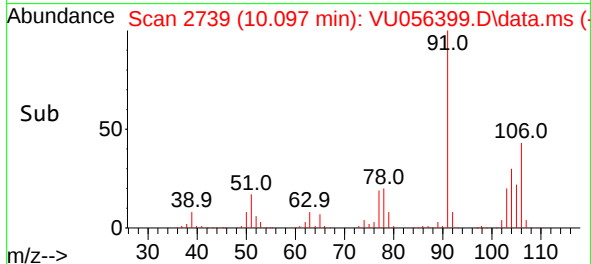
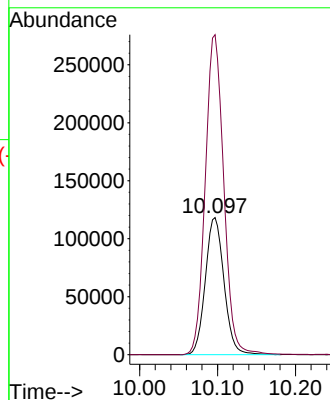
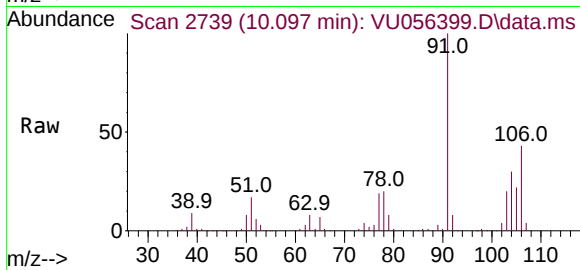
ClientSampleId :

Tgt Ion:106 Resp: 196866

Ion Ratio Lower Upper

106 100

91 233.3 159.3 295.9



#55

Styrene

Concen: 5.304 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU056399.D

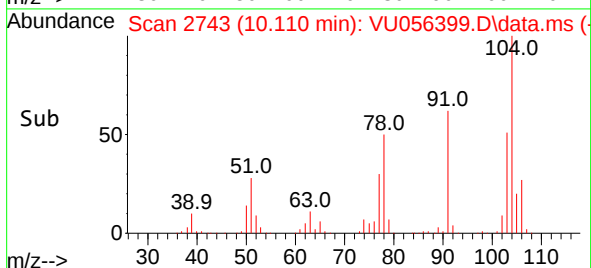
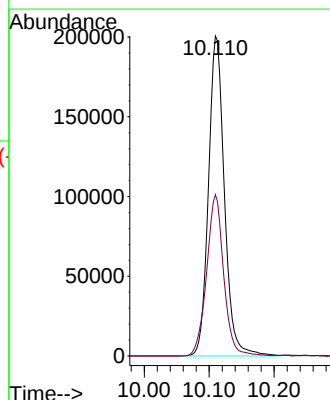
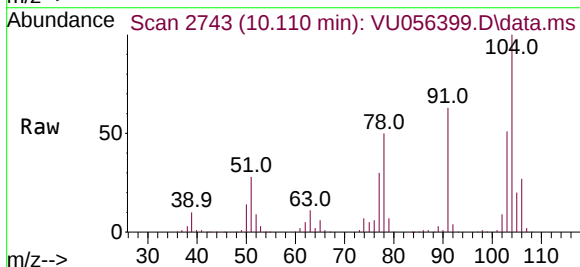
Acq: 16 Nov 2023 11:52

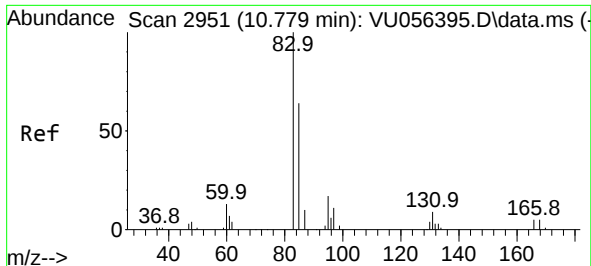
Tgt Ion:104 Resp: 343190

Ion Ratio Lower Upper

104 100

78 50.4 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.081 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.004 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

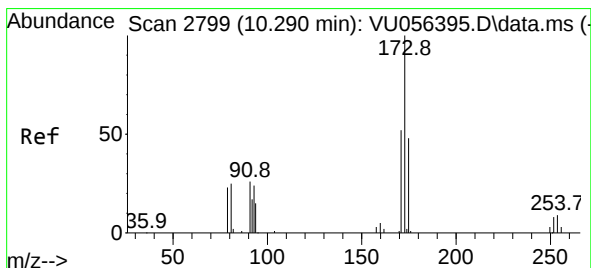
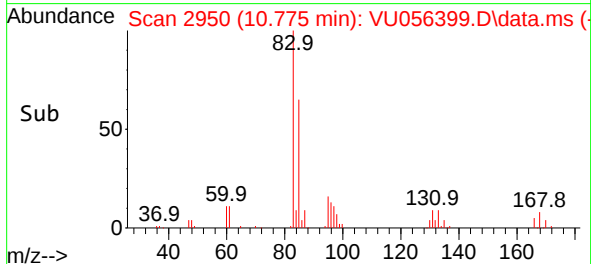
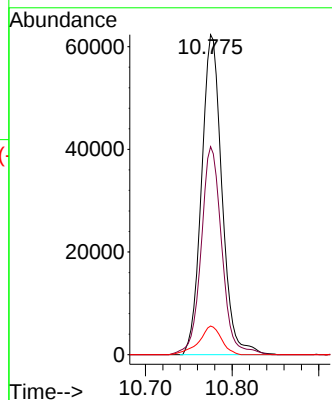
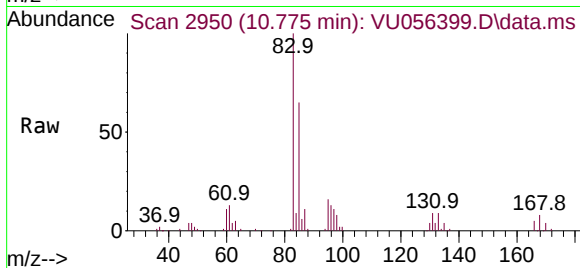
Tgt Ion: 83 Resp: 102103

Ion Ratio Lower Upper

83 100

85 65.0 46.3 86.1

131 8.9 6.7 10.1



#59

Bromoform

Concen: 5.249 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.004 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

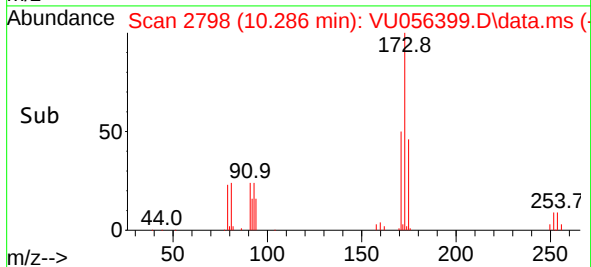
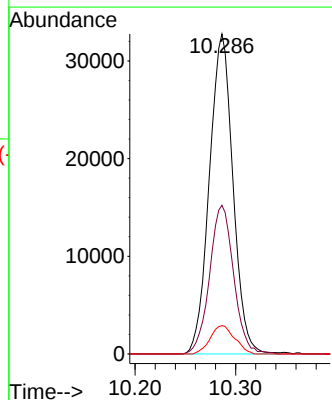
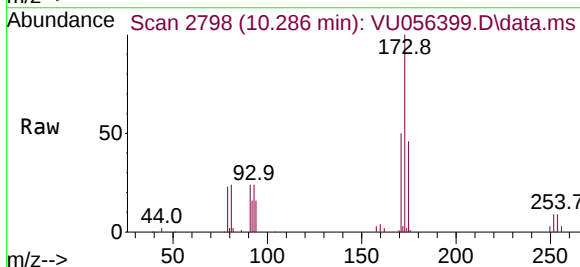
Tgt Ion:173 Resp: 53355

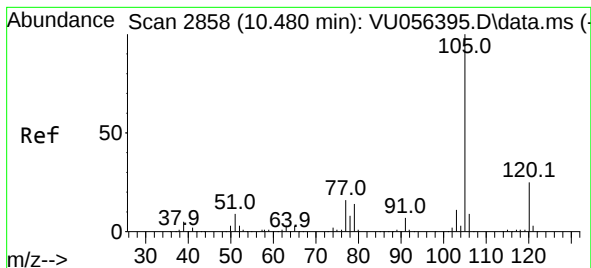
Ion Ratio Lower Upper

173 100

175 47.4 38.9 58.3

254 9.2 6.7 10.1





#60

Isopropylbenzene

Concen: 5.180 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

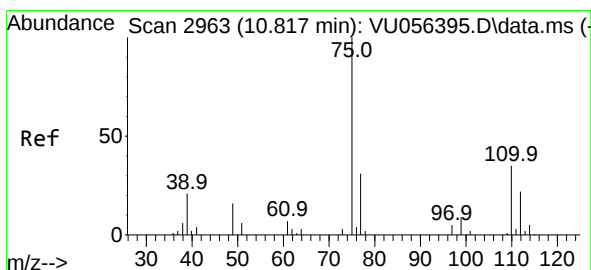
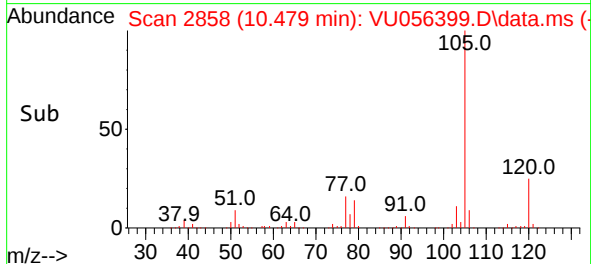
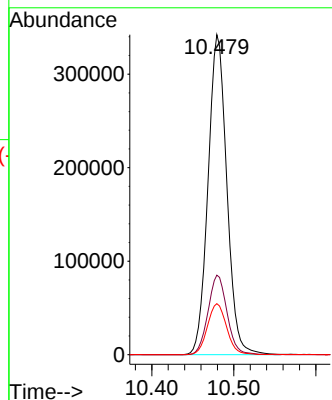
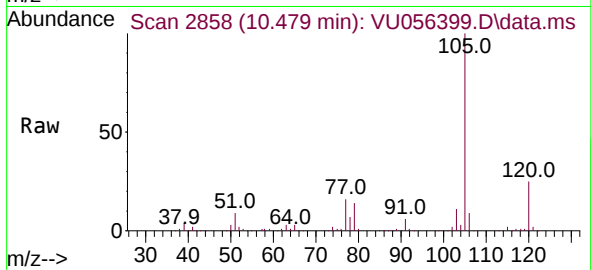
Tgt Ion:105 Resp: 545125

Ion Ratio Lower Upper

105 100

120 25.1 20.4 30.6

77 16.3 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.075 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

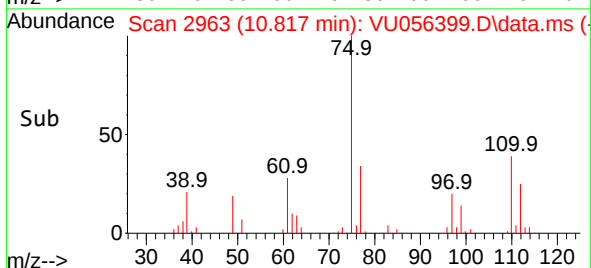
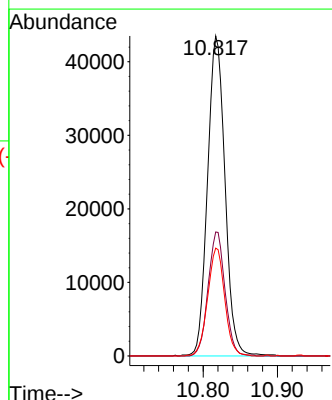
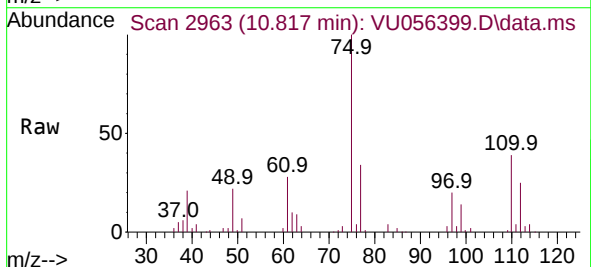
Tgt Ion: 75 Resp: 71058

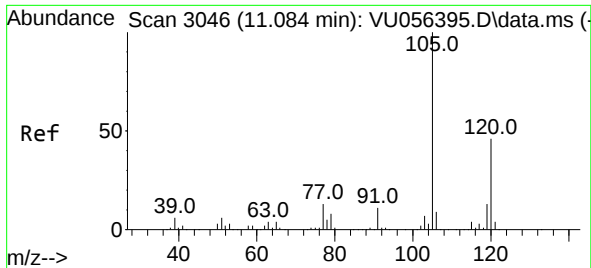
Ion Ratio Lower Upper

75 100

110 37.5 30.4 45.6

77 32.9 27.0 40.6

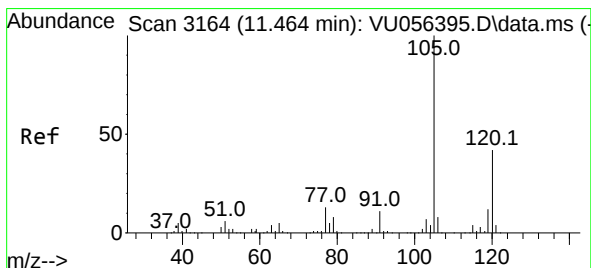
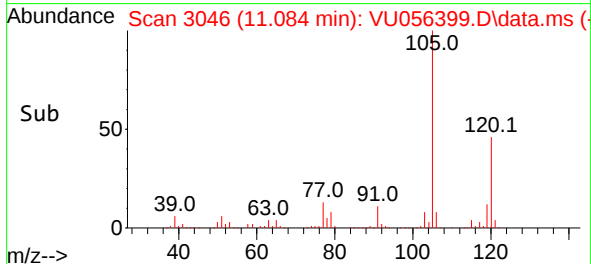
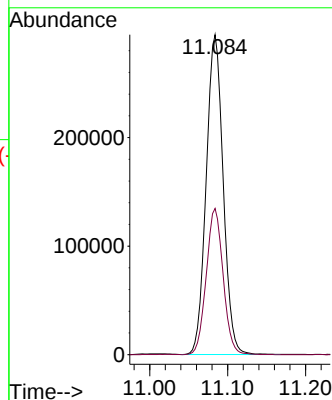
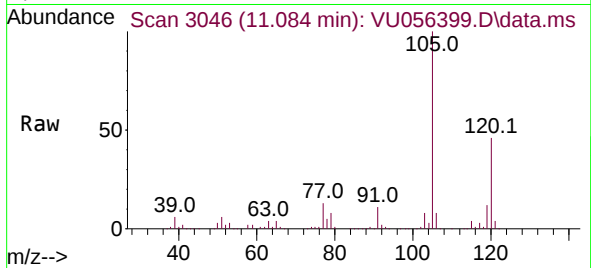




#62
1,3,5-Trimethylbenzene
Concen: 5.162 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

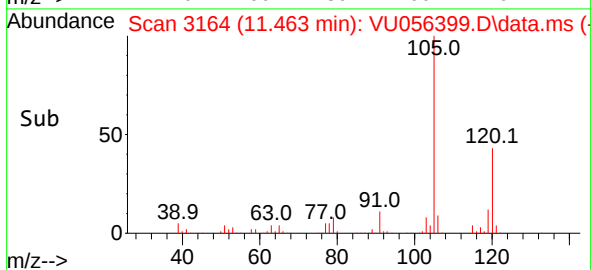
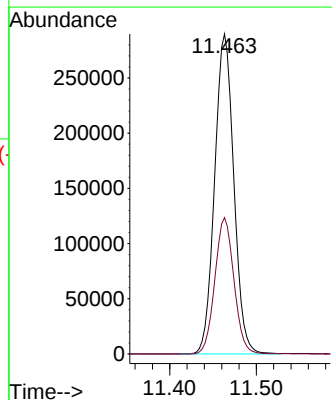
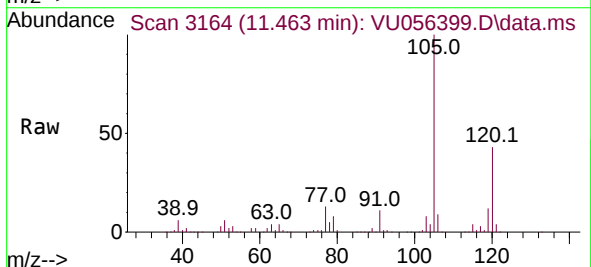
Instrument :
MSVOA_U
ClientSampleId :

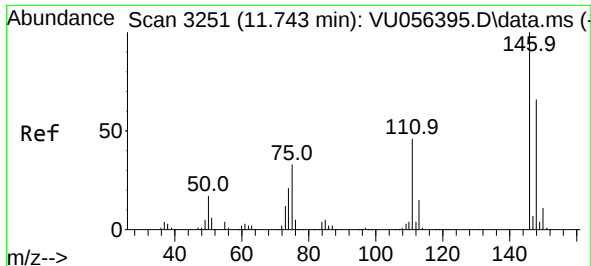
Tgt Ion:105 Resp: 446051
Ion Ratio Lower Upper
105 100
120 45.5 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 5.216 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Tgt Ion:105 Resp: 444909
Ion Ratio Lower Upper
105 100
120 42.4 34.0 51.0

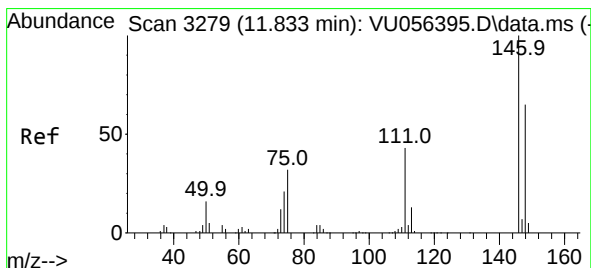
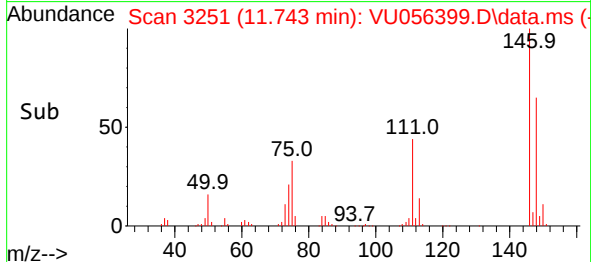
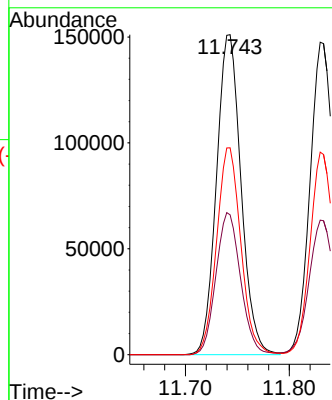
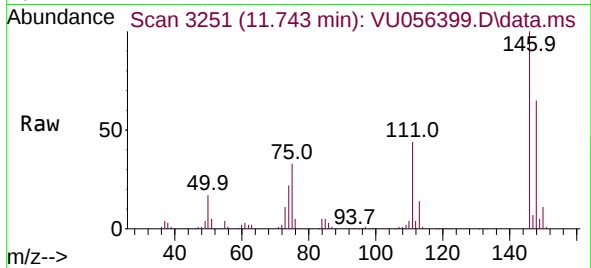




#64
1,3-Dichlorobenzene
Concen: 5.189 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

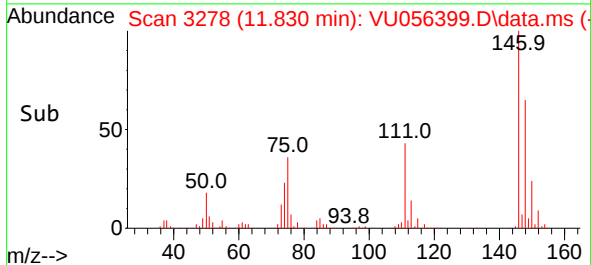
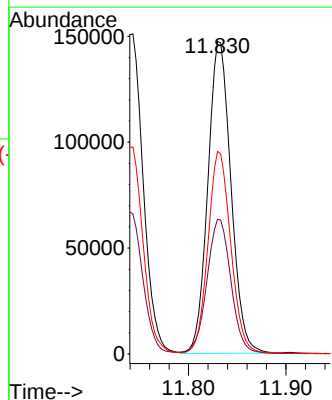
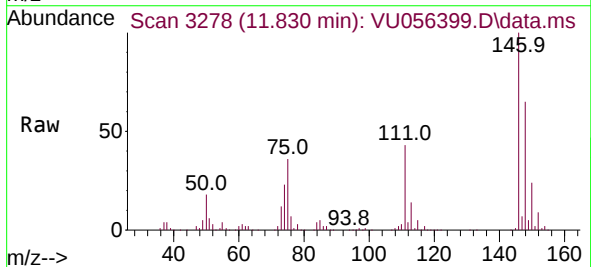
Instrument :
MSVOA_U
ClientSampleId :

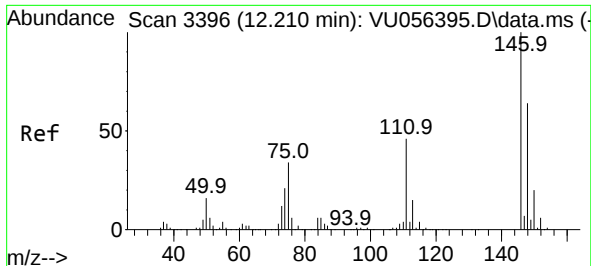
Tgt Ion:146 Resp: 248419
Ion Ratio Lower Upper
146 100
111 43.7 31.1 57.7
148 64.6 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.060 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.004 min
Lab File: VU056399.D
Acq: 16 Nov 2023 11:52

Tgt Ion:146 Resp: 242971
Ion Ratio Lower Upper
146 100
111 43.1 30.5 56.7
148 64.8 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.163 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

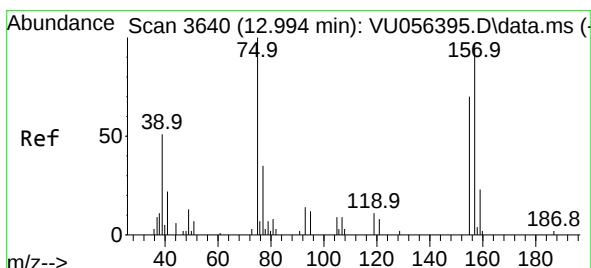
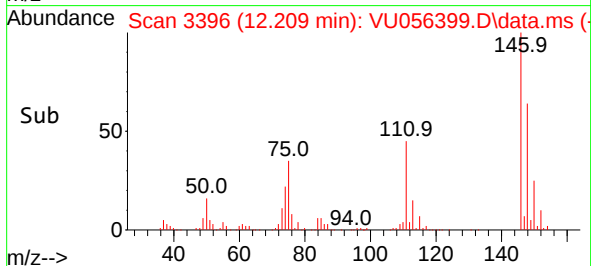
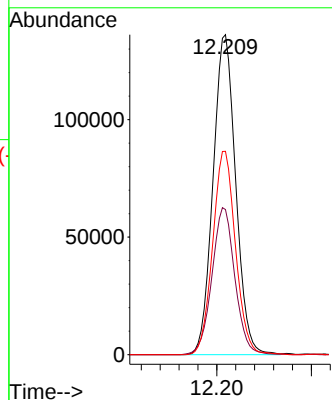
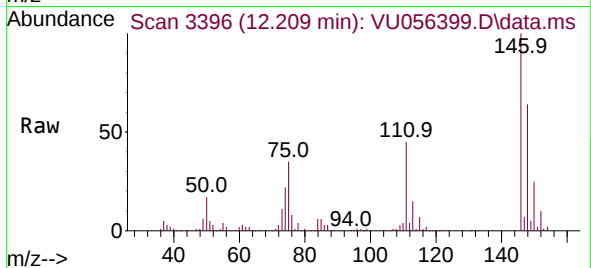
Tgt Ion:146 Resp: 226753

Ion Ratio Lower Upper

146 100

111 45.4 38.3 57.5

148 63.6 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.147 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

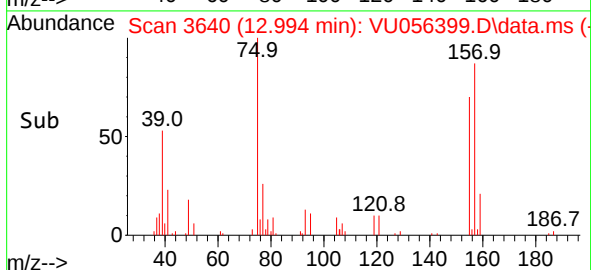
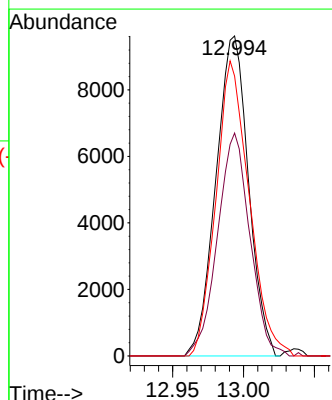
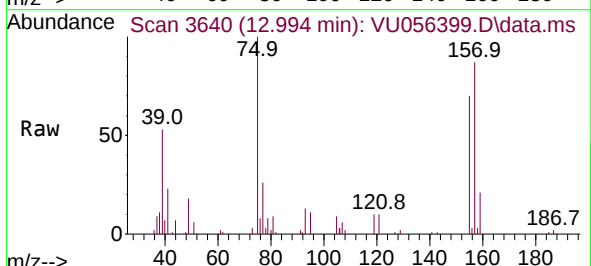
Tgt Ion: 75 Resp: 15394

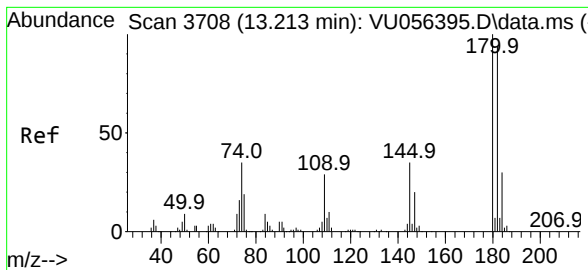
Ion Ratio Lower Upper

75 100

155 69.7 62.4 93.6

157 87.4 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.057 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

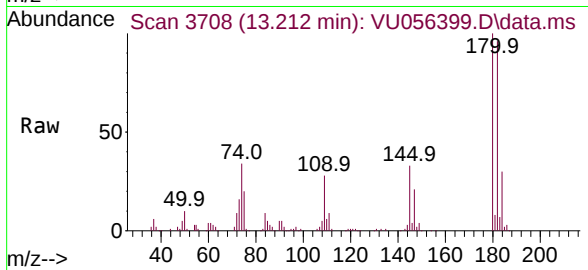
Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 182254

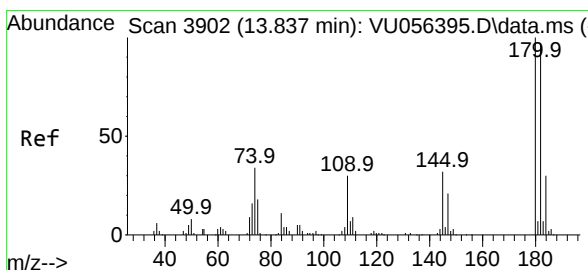
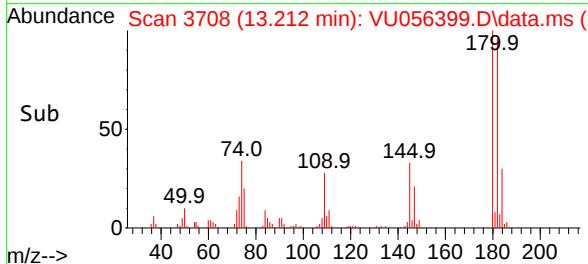
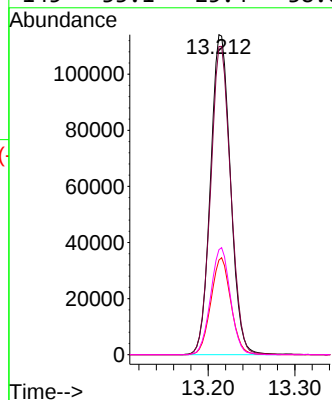
Ion Ratio Lower Upper

180 100

182 97.2 75.1 112.7

184 30.4 23.5 35.3

145 33.1 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.141 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

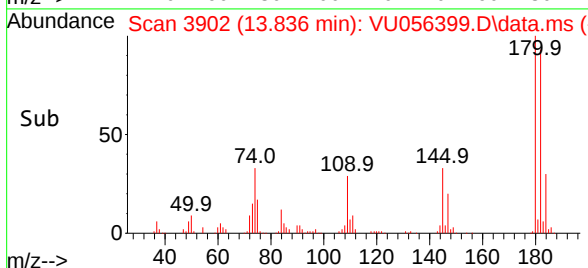
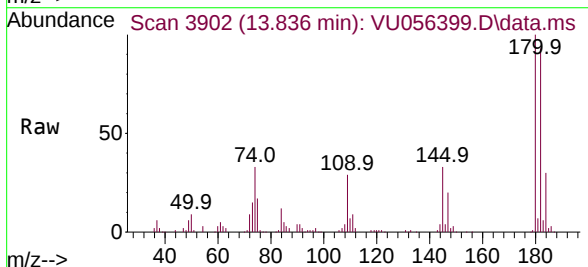
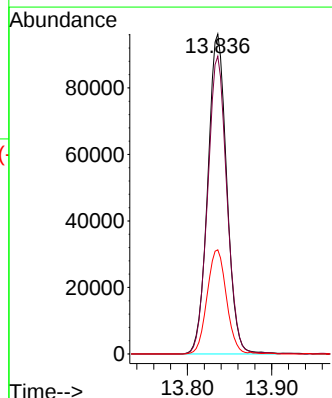
Tgt Ion:180 Resp: 150911

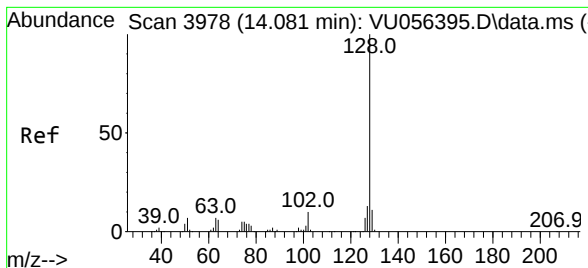
Ion Ratio Lower Upper

180 100

182 94.1 75.4 113.2

145 33.2 26.8 40.2





#71

Naphthalene

Concen: 5.263 ug/L

RT: 14.080 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

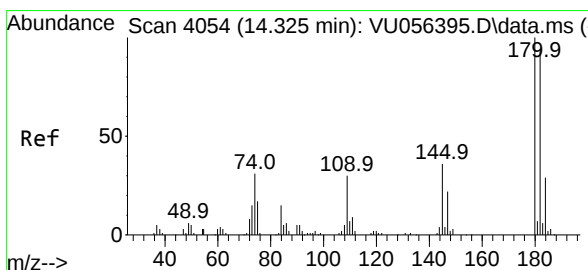
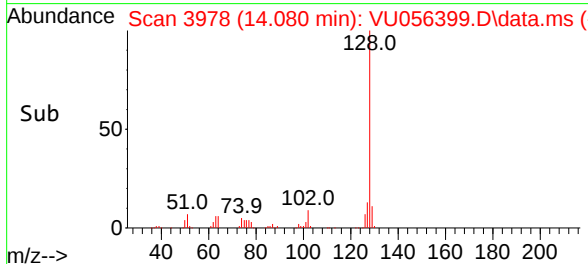
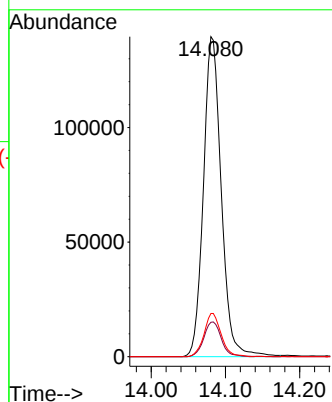
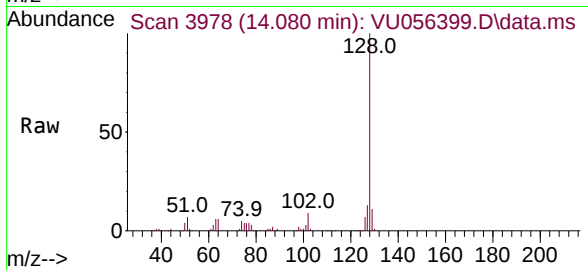
Tgt Ion:128 Resp: 233428

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 12.9 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.326 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU056399.D

Acq: 16 Nov 2023 11:52

Tgt Ion:180 Resp: 128798

Ion Ratio Lower Upper

180 100

182 95.9 78.6 117.8

145 34.0 29.0 43.6

