

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091523\
 Data File : VU055362.D
 Acq On : 16 Sep 2023 01:07
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005128

Quant Time: Sep 16 01:25:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:42:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	190642	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	205259	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	111470	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	54541	4.978	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.600%
7) Chloroethane-d5	1.911	69	61192	4.948	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.000%
11) 1,1-Dichloroethene-d2	2.563	65	20071	5.064	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.200%
20) 2-Butanone-d5	4.628	46	177857	58.698	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.400%
24) Chloroform-d	5.058	84	128368	5.245	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
26) 1,2-Dichloroethane-d4	5.701	65	66791	5.409	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	5.724	84	218221	5.072	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.689	67	75238	5.132	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.894	98	194387	5.240	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
43) trans-1,3-Dichloroprop...	8.177	79	25279	4.859	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.200%
46) 2-Hexanone-d5	8.631	63	110235	58.243	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.480%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	72218	5.665	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	76435	5.325	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	90683	4.985	ug/L	99
3) Chloromethane	1.515	50	89322	5.102	ug/L	94
5) Vinyl chloride	1.602	62	94228	4.985	ug/L	100
6) Bromomethane	1.856	94	66579	4.618	ug/L	94
8) Chloroethane	1.933	64	75330	4.954	ug/L	97
9) Trichlorofluoromethane	2.136	101	152741	5.050	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	74010	4.906	ug/L	98
12) 1,1-Dichloroethene	2.576	96	67971	5.071	ug/L	95
13) Acetone	2.640	43	99901	51.126	ug/L	99
14) Carbon disulfide	2.792	76	205898	4.859	ug/L	99
15) Methyl Acetate	2.952	43	27759	6.018	ug/L	97
16) Methylene chloride	3.042	84	103828	5.199	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	167559	5.214	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	73238	4.969	ug/L	95
19) 1,1-Dichloroethane	3.865	63	145610	5.079	ug/L	99
21) 2-Butanone	4.708	43	171971	53.160	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	84107	4.873	ug/L	97
23) Bromochloromethane	4.972	128	37115	5.290	ug/L	96
25) Chloroform	5.084	83	156738	5.049	ug/L	98

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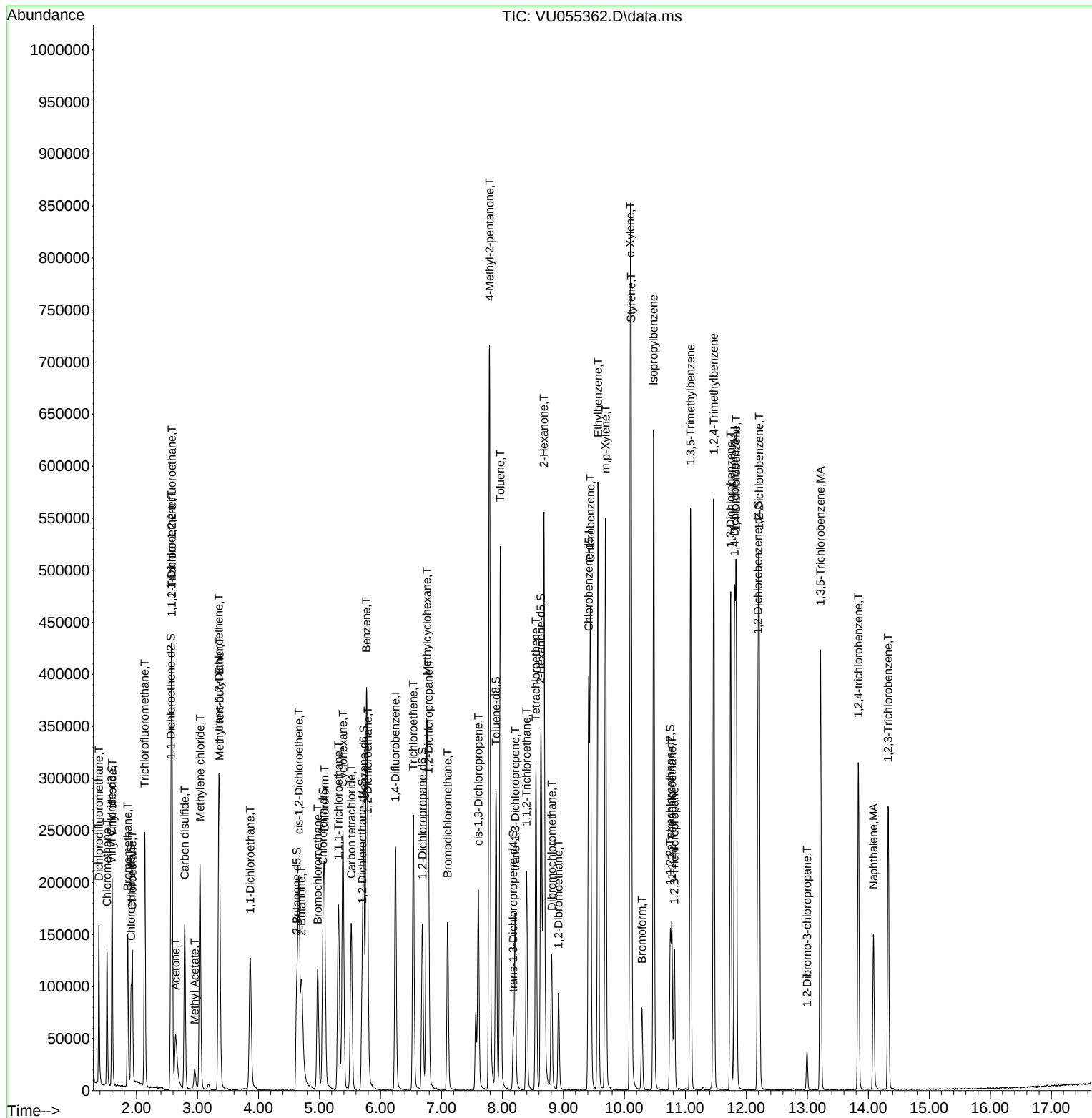
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	97095	5.045	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	129621	4.970	ug/L	99
30) Cyclohexane	5.386	56	118185	4.800	ug/L	98
31) Carbon tetrachloride	5.521	117	108005	4.868	ug/L	96
33) Benzene	5.769	78	341813	5.031	ug/L	100
34) Trichloroethene	6.541	95	91505	4.732	ug/L	96
35) Methylcyclohexane	6.762	83	130861	4.656	ug/L	99
37) 1,2-Dichloropropane	6.788	63	89063	4.992	ug/L	100
38) Bromodichloromethane	7.103	83	107016	5.027	ug/L	95
39) cis-1,3-Dichloropropene	7.605	75	114457	4.720	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	456458	53.916	ug/L	99
42) Toluene	7.965	91	382546	5.138	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	95714	5.034	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	64843	5.243	ug/L	97
47) Tetrachloroethene	8.550	164	61265	4.623	ug/L	96
48) 2-Hexanone	8.682	43	336330	52.712	ug/L	97
49) Dibromochloromethane	8.807	129	65400	5.168	ug/L	99
50) 1,2-Dibromoethane	8.920	107	61864	5.364	ug/L #	97
51) Chlorobenzene	9.444	112	239462	4.986	ug/L	97
52) Ethylbenzene	9.566	91	412271	5.043	ug/L	99
53) m,p-Xylene	9.692	106	157948	5.108	ug/L	97
54) o-Xylene	10.097	106	152582	5.201	ug/L	94
55) Styrene	10.113	104	258228	5.270	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	74280	5.461	ug/L #	94
59) Bromoform	10.286	173	32732	5.044	ug/L	97
60) Isopropylbenzene	10.479	105	404832	4.974	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	55443	5.136	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	307885	4.921	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	318457	5.014	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	184063	4.909	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	182580	4.982	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	169359	5.038	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	9448	5.118	ug/L	85
69) 1,3,5-Trichlorobenzene	13.216	180	118731	4.648	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	89051	4.543	ug/L	99
71) Naphthalene	14.084	128	124292	4.409	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	77490	4.566	ug/L	96

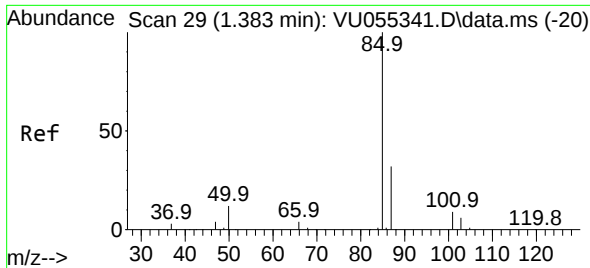
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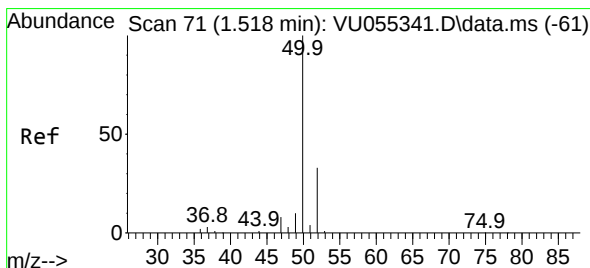
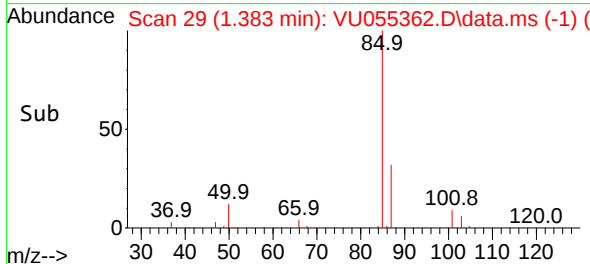
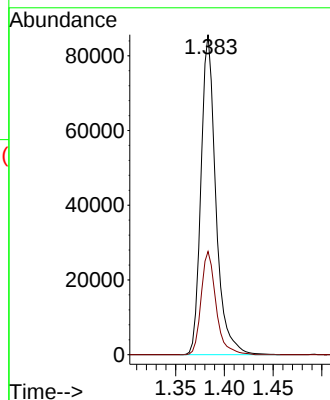
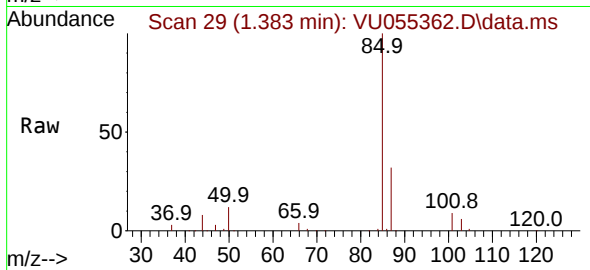




#2
 Dichlorodifluoromethane
 Concen: 4.985 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055362.D
 Acq: 16 Sep 2023 01:07

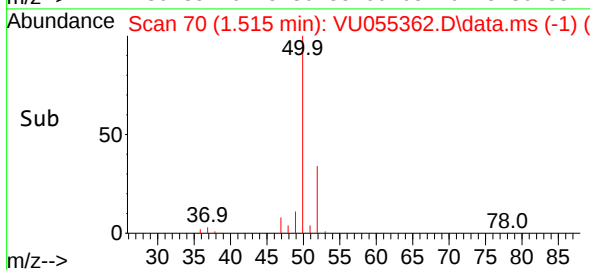
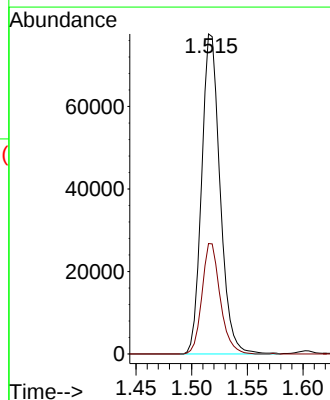
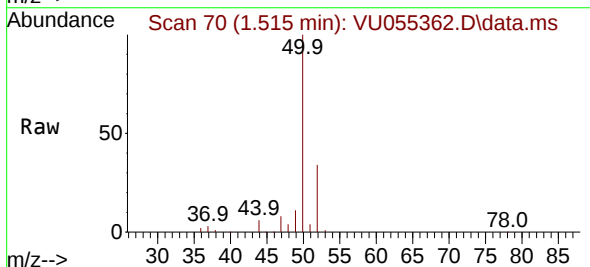
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 ClientSampleId :
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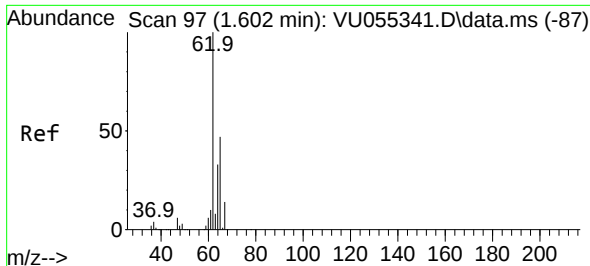
Tgt Ion: 85 Resp: 90683
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.3 37.9



#3
 Chloromethane
 Concen: 5.102 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU055362.D
 Acq: 16 Sep 2023 01:07

Tgt Ion: 50 Resp: 89322
 Ion Ratio Lower Upper
 50 100
 52 34.5 22.0 40.8

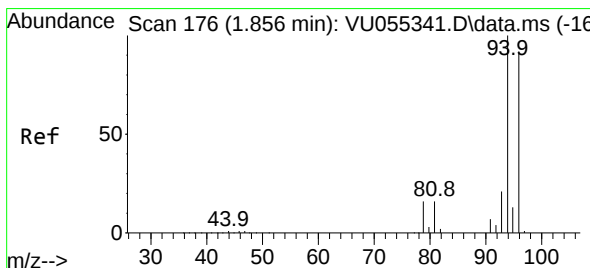
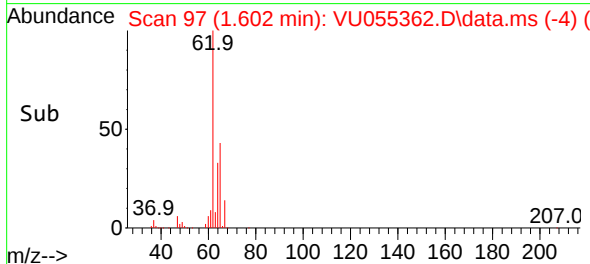
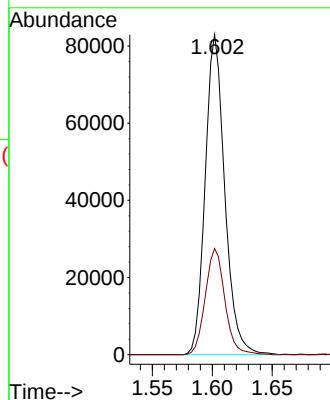
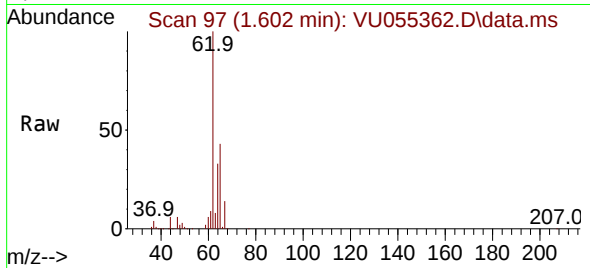




#5
 Vinyl chloride
 Concen: 4.985 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055362.D
 Acq: 16 Sep 2023 01:07

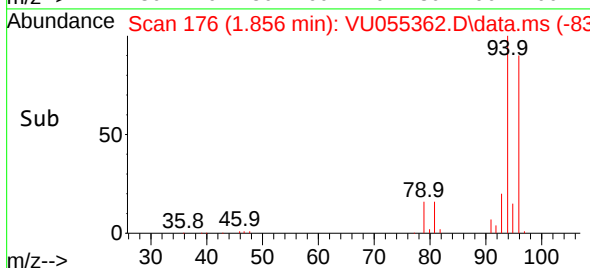
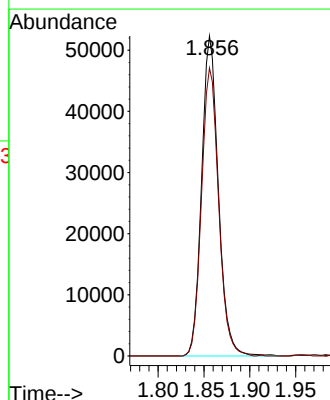
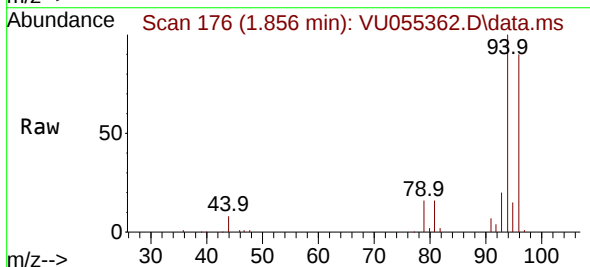
Instrument :
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 ClientSampleId :
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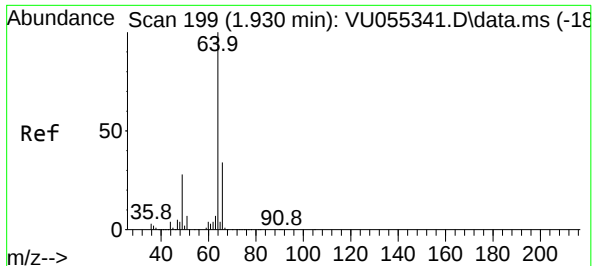
Tgt Ion: 62 Resp: 94228
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.4 43.6



#6
 Bromomethane
 Concen: 4.618 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055362.D
 Acq: 16 Sep 2023 01:07

Tgt Ion: 94 Resp: 66579
 Ion Ratio Lower Upper
 94 100
 96 90.0 66.9 124.3

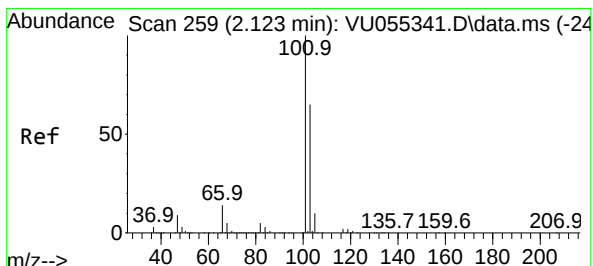
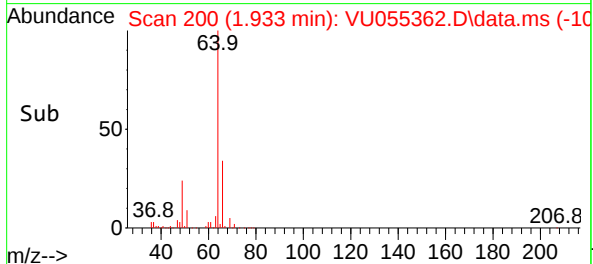
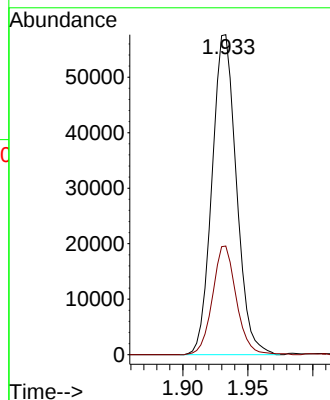
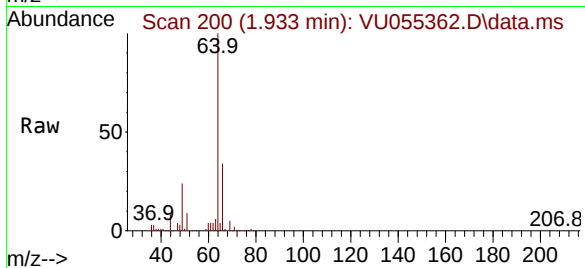




#8
Chloroethane
Concen: 4.954 ug/L
RT: 1.933 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

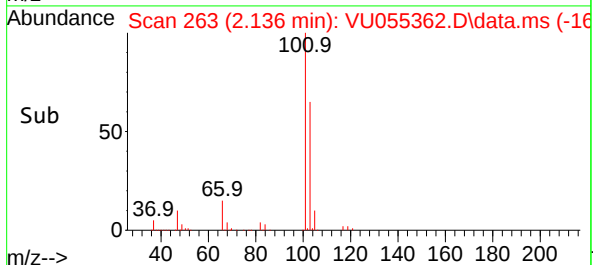
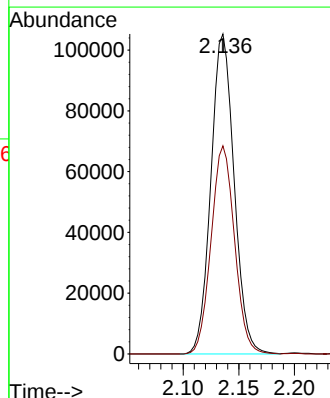
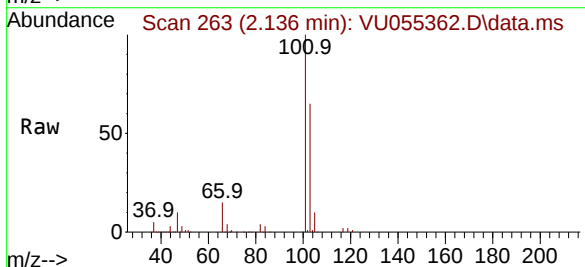
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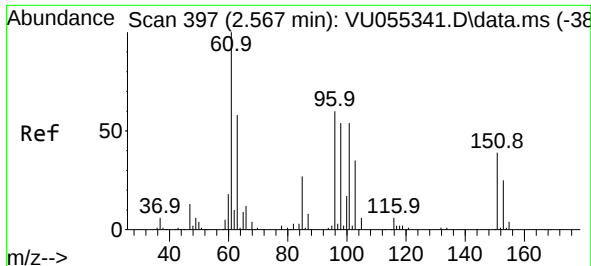
Tgt Ion: 64 Resp: 75330
Ion Ratio Lower Upper
64 100
66 33.9 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.050 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.013 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion: 101 Resp: 152741
Ion Ratio Lower Upper
101 100
103 65.5 51.8 77.8

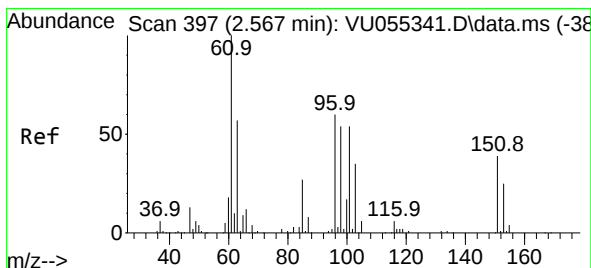
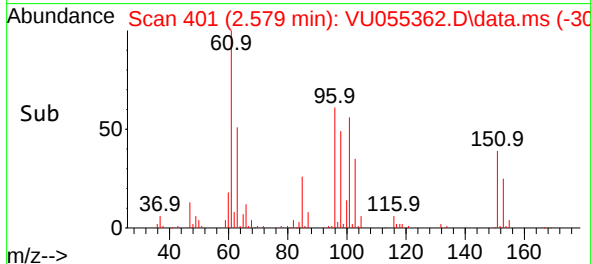
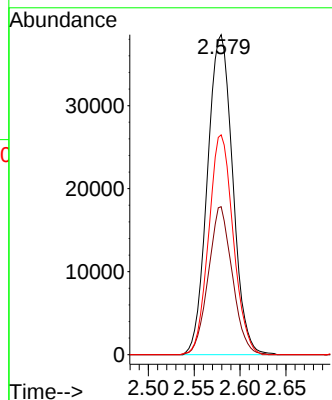
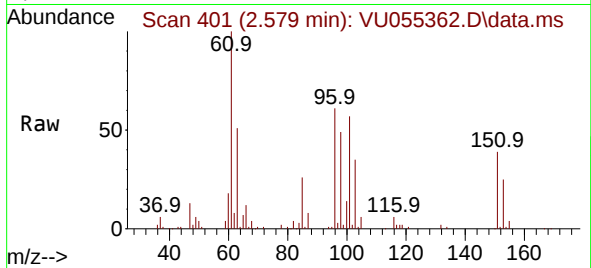




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.906 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.013 min
Lab File: VU055362.D
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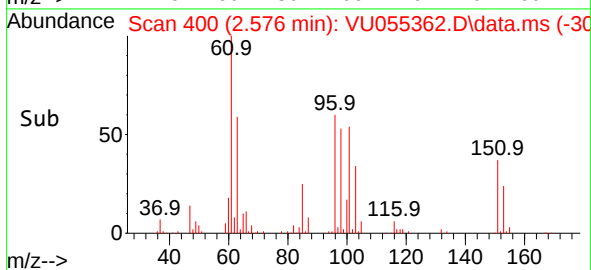
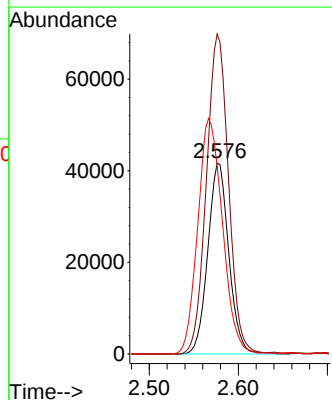
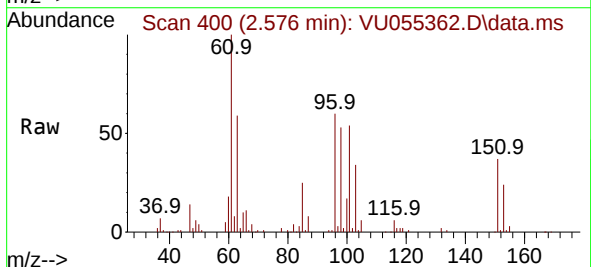
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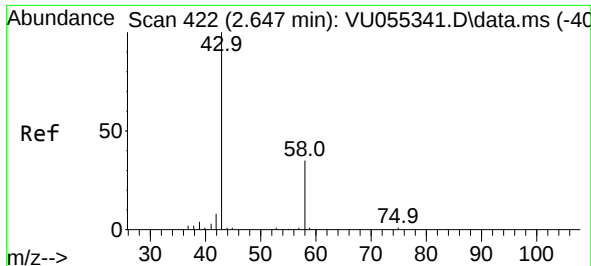
Tgt Ion:101 Resp: 74010
Ion Ratio Lower Upper
101 100
85 43.7 36.5 54.7
151 66.7 53.8 80.8



#12
1,1-Dichloroethene
Concen: 5.071 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.010 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion: 96 Resp: 67971
Ion Ratio Lower Upper
96 100
61 167.6 122.8 228.0
63 98.4 71.7 133.3





#13

Acetone

Concen: 51.126 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

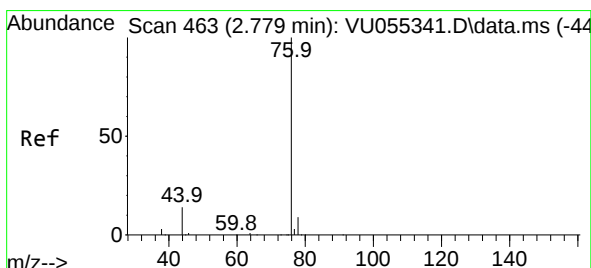
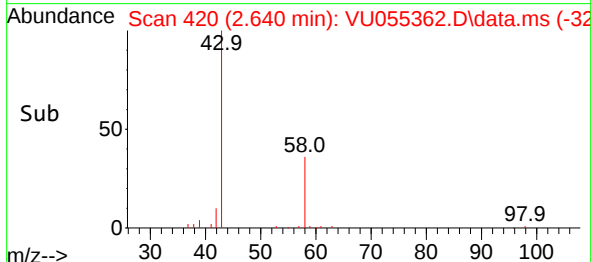
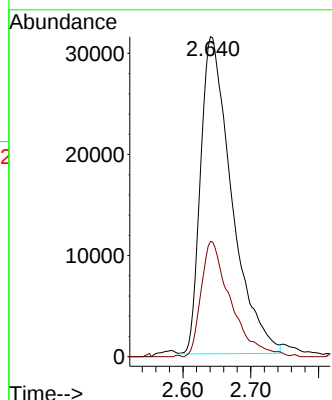
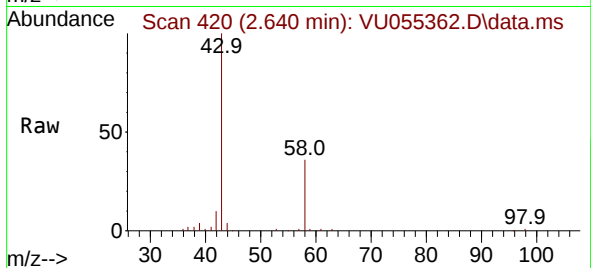
VSTD005128

Tgt Ion: 43 Resp: 99901

Ion Ratio Lower Upper

43 100

58 34.7 0.0 68.4



#14

Carbon disulfide

Concen: 4.859 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.013 min

Lab File: VU055362.D

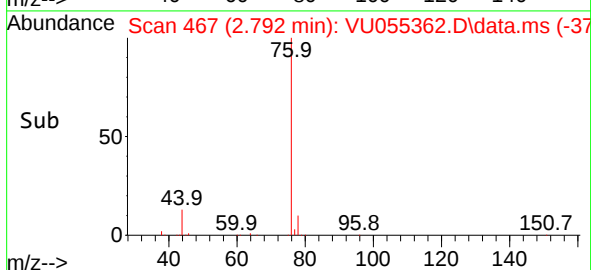
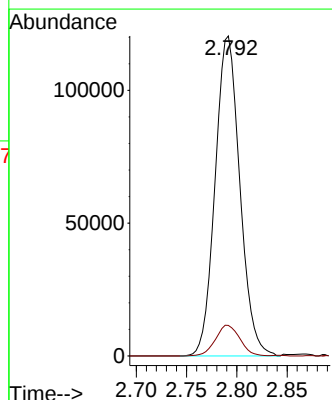
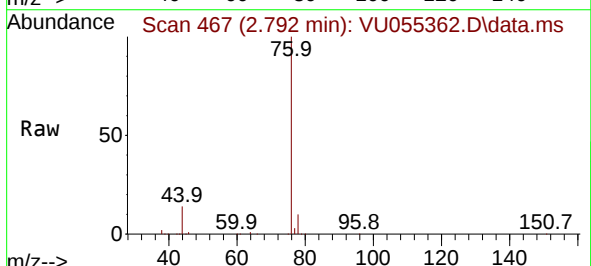
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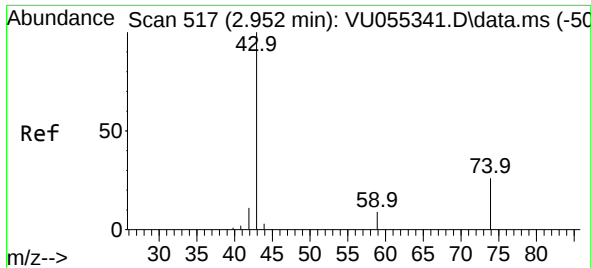
Tgt Ion: 76 Resp: 205898

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

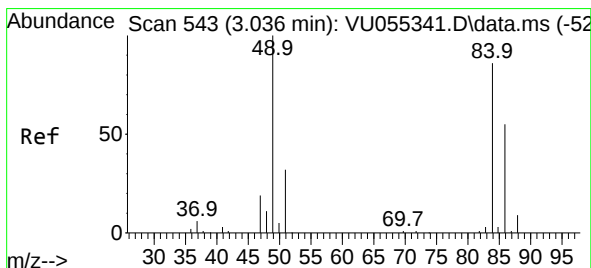
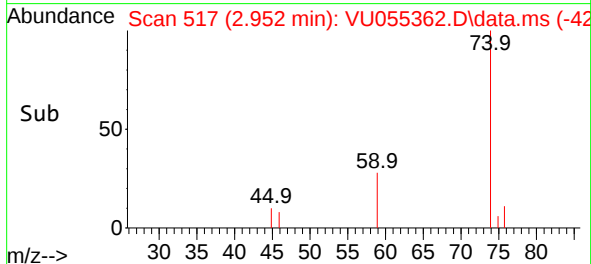
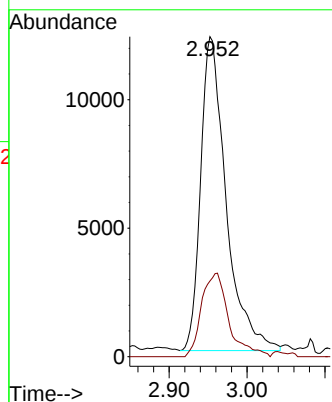
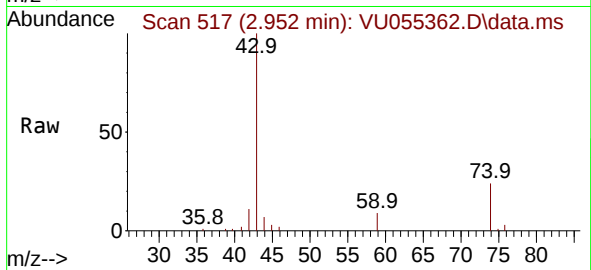




#15
Methyl Acetate
Concen: 6.018 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

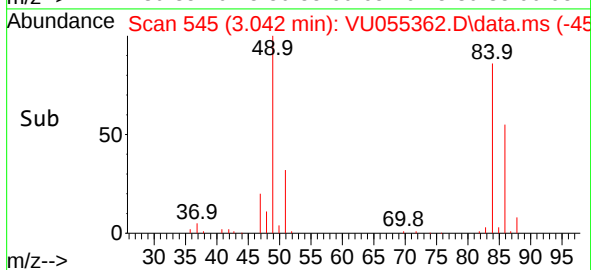
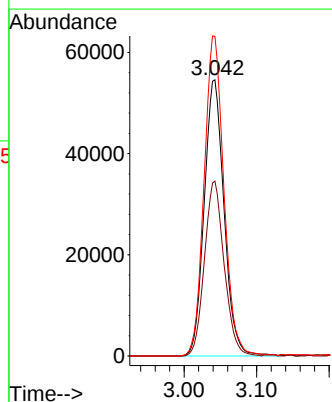
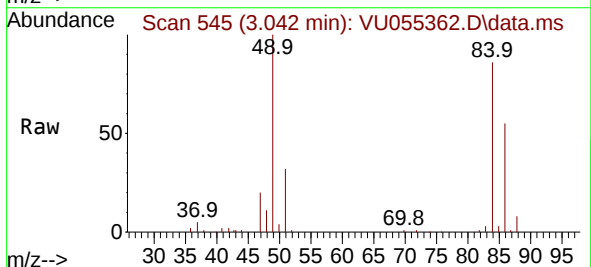
Instrument :
MSVOA_U
ClientSampleId :
VSTD005128

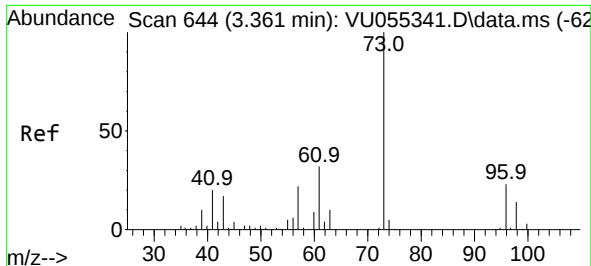
Tgt Ion: 43 Resp: 27759
Ion Ratio Lower Upper
43 100
74 28.3 23.9 35.9



#16
Methylene chloride
Concen: 5.199 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.006 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion: 84 Resp: 103828
Ion Ratio Lower Upper
84 100
86 63.3 42.4 78.8
49 115.7 79.9 148.3

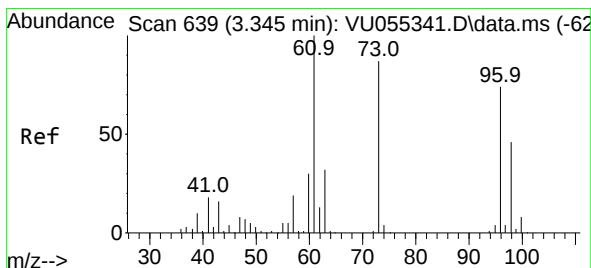
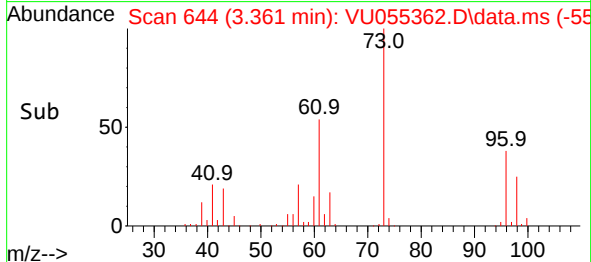
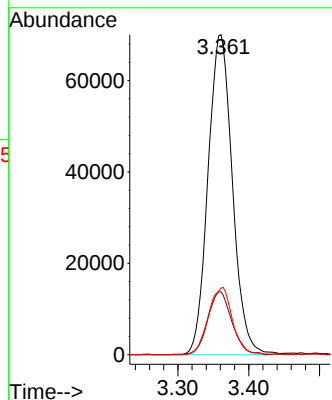
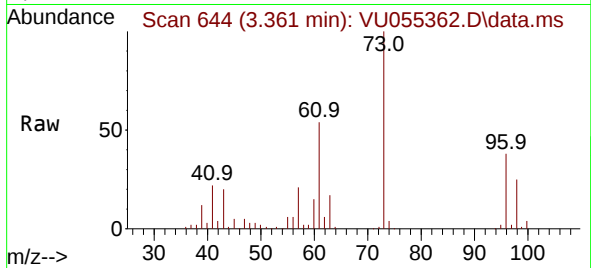




#17
Methyl tert-butyl Ether
Concen: 5.214 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

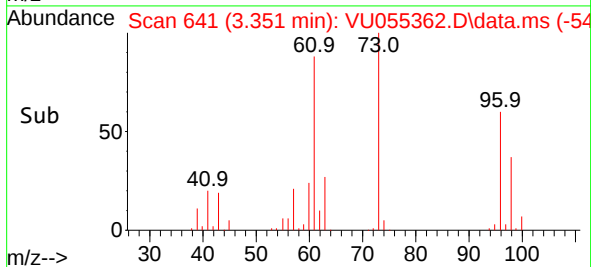
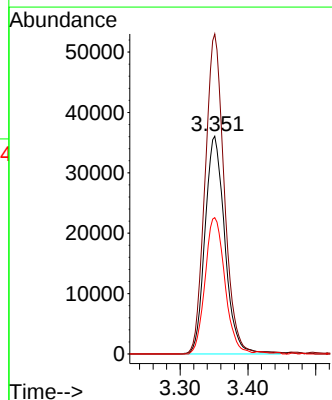
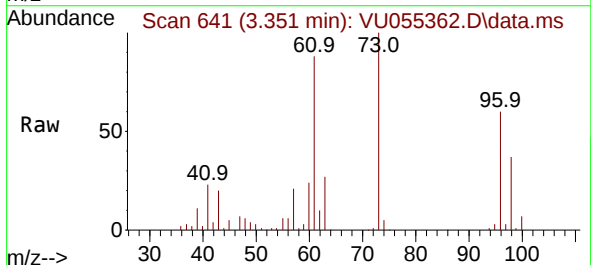
Instrument :
MSVOA_U
ClientSampleId :
VSTD005128

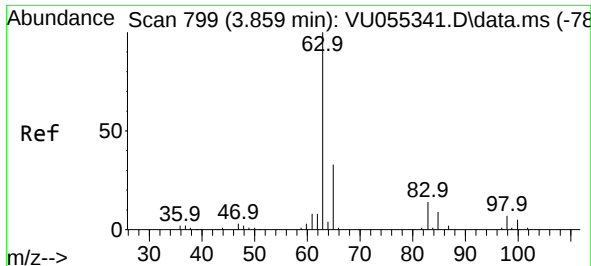
Tgt Ion: 73 Resp: 167559
Ion Ratio Lower Upper
73 100
43 19.4 16.0 24.0
57 20.8 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 4.969 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion: 96 Resp: 73238
Ion Ratio Lower Upper
96 100
61 147.0 97.4 181.0
98 62.6 44.6 82.8





#19

1,1-Dichloroethane

Concen: 5.079 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD005128

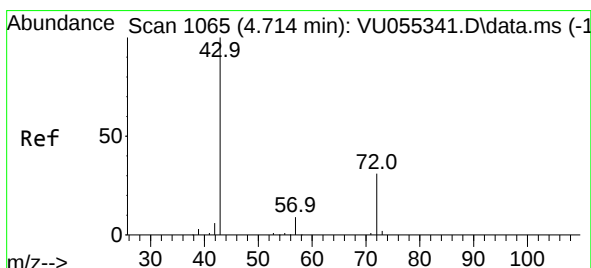
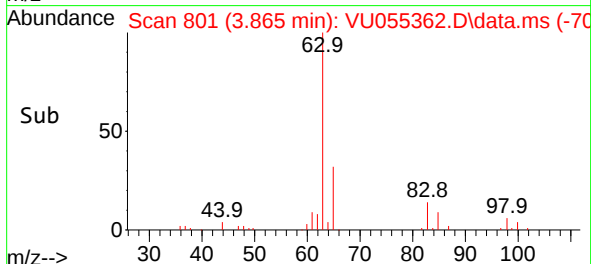
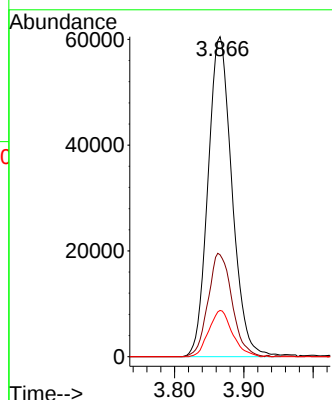
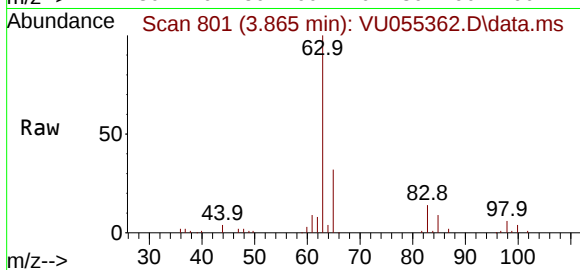
Tgt Ion: 63 Resp: 145610

Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.6

83 14.5 9.7 17.9



#21

2-Butanone

Concen: 53.160 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.006 min

Lab File: VU055362.D

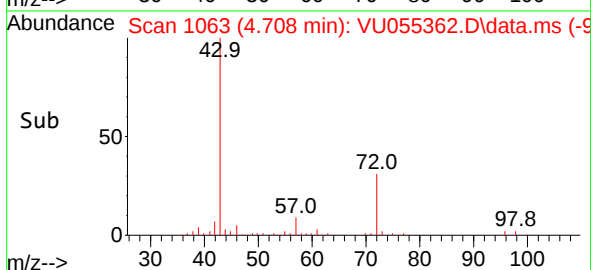
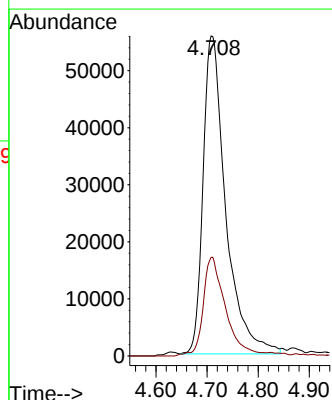
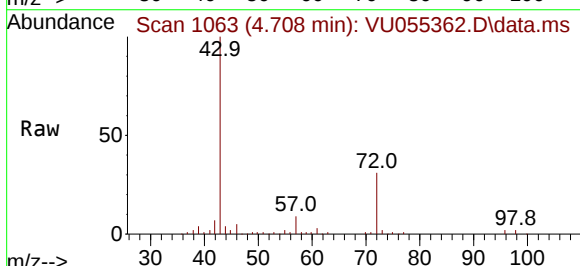
Acq: 16 Sep 2023 01:07

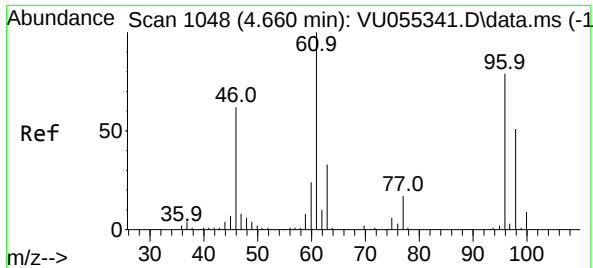
Tgt Ion: 43 Resp: 171971

Ion Ratio Lower Upper

43 100

72 30.5 15.2 45.5

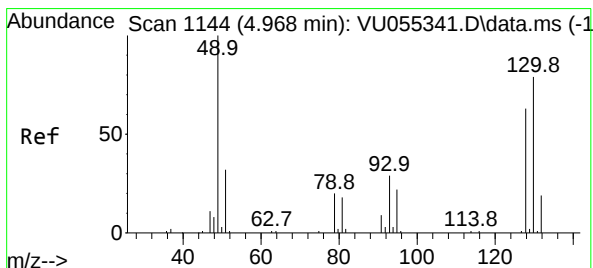
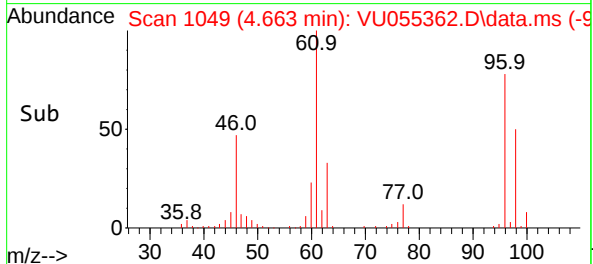
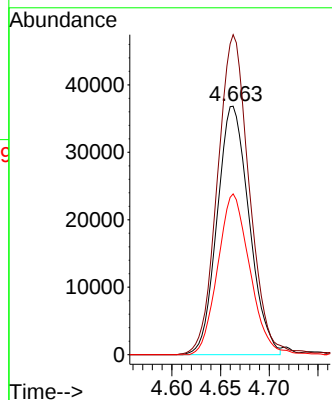
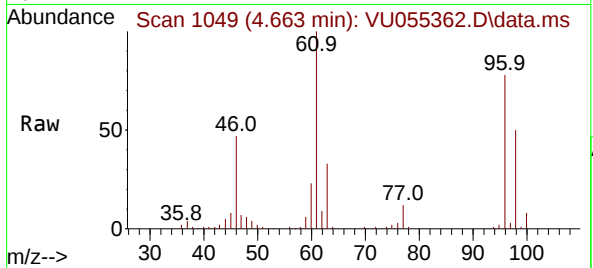




#22
 cis-1,2-Dichloroethene
 Concen: 4.873 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU055362.D
 Acq: 16 Sep 2023 01:07

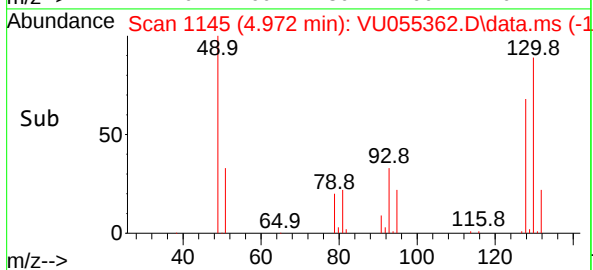
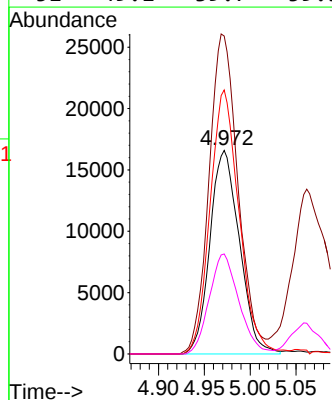
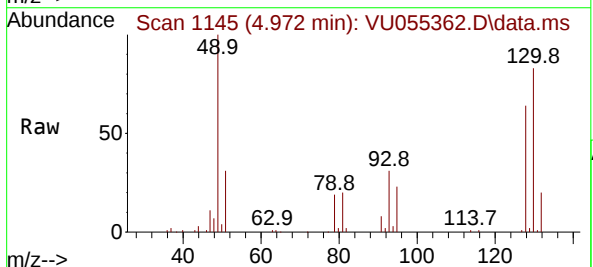
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005128

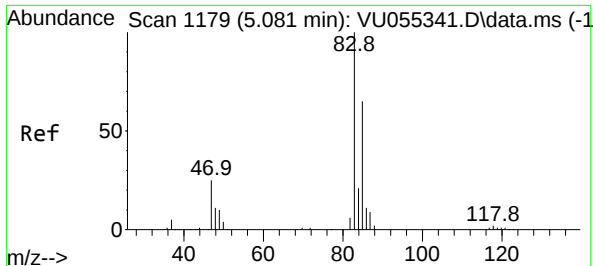
Tgt Ion: 96 Resp: 84107
 Ion Ratio Lower Upper
 96 100
 61 128.8 88.1 163.7
 98 64.7 43.5 80.7



#23
 Bromochloromethane
 Concen: 5.290 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.003 min
 Lab File: VU055362.D
 Acq: 16 Sep 2023 01:07

Tgt Ion: 128 Resp: 37115
 Ion Ratio Lower Upper
 128 100
 49 156.2 108.1 200.9
 130 129.7 84.3 156.5
 51 49.1 39.7 59.5





#25

Chloroform

Concen: 5.049 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

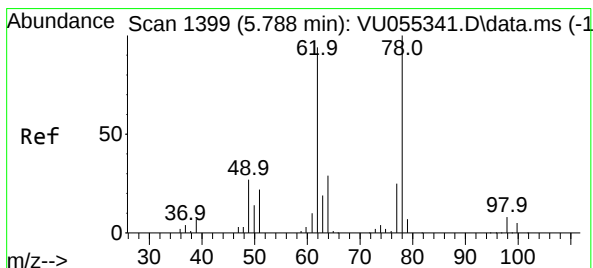
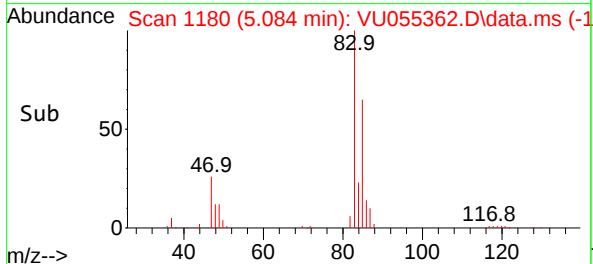
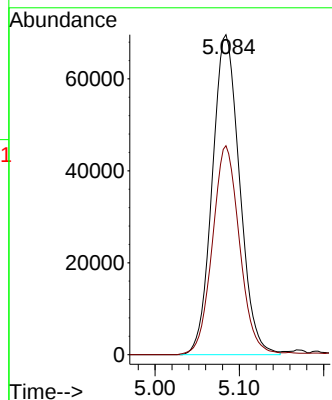
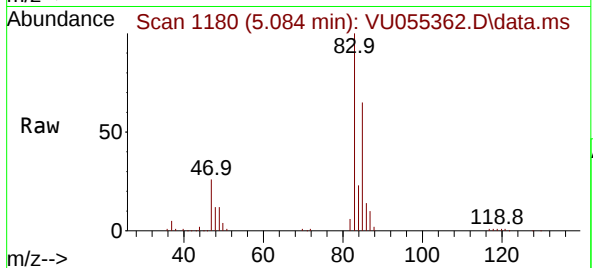
VSTD005128

Tgt Ion: 83 Resp: 156738

Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.4



#27

1,2-Dichloroethane

Concen: 5.045 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU055362.D

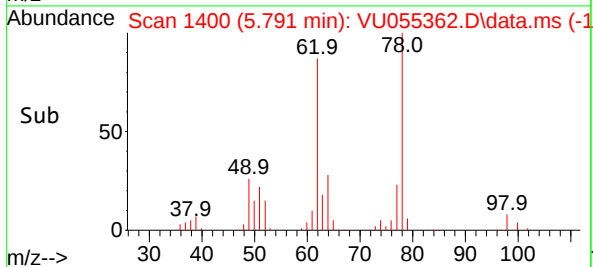
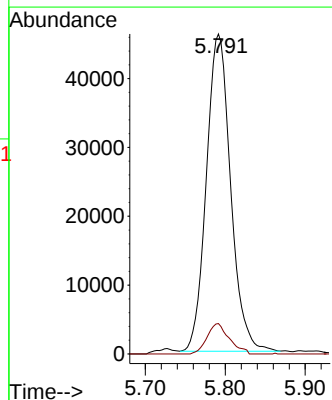
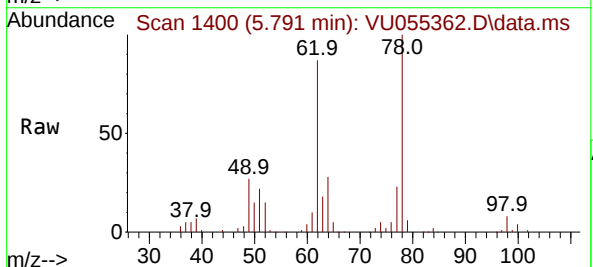
Acq: 16 Sep 2023 01:07

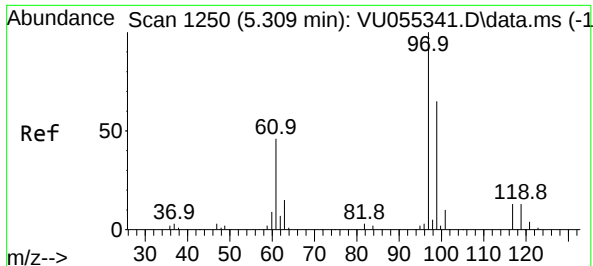
Tgt Ion: 62 Resp: 97095

Ion Ratio Lower Upper

62 100

98 9.5 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 4.970 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD005128

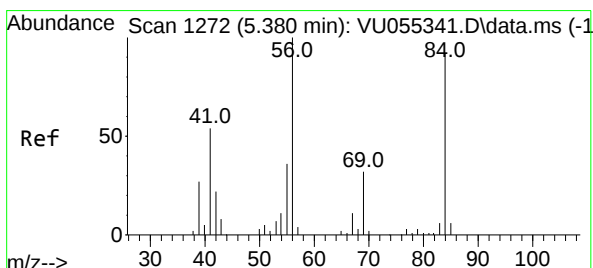
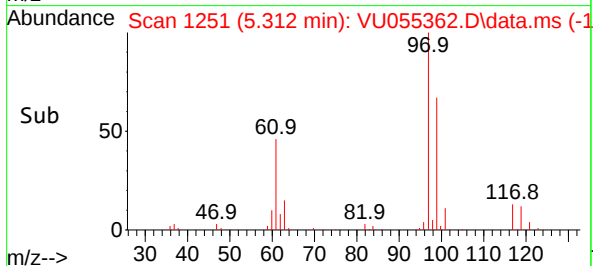
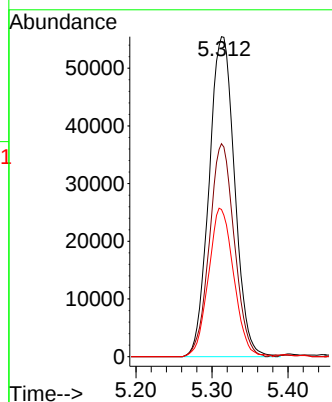
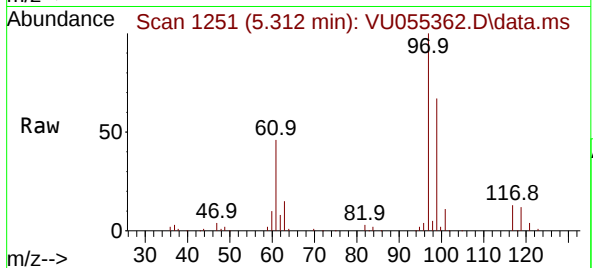
Tgt Ion: 97 Resp: 129621

Ion Ratio Lower Upper

97 100

99 64.8 51.2 76.8

61 45.8 37.6 56.4



#30

Cyclohexane

Concen: 4.800 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

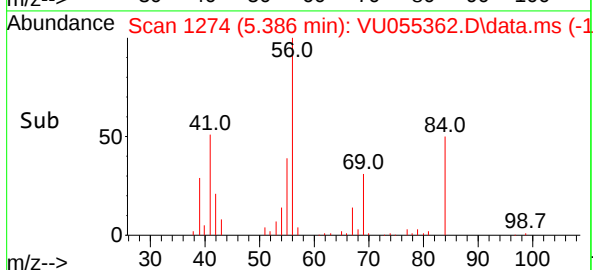
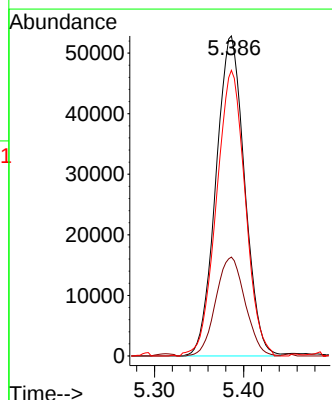
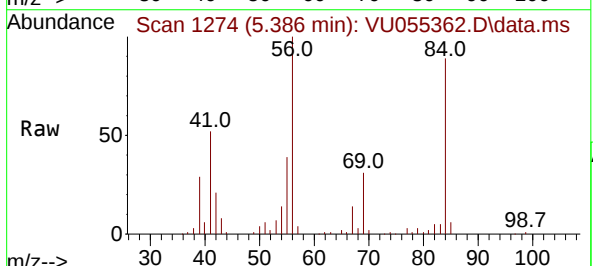
Tgt Ion: 56 Resp: 118185

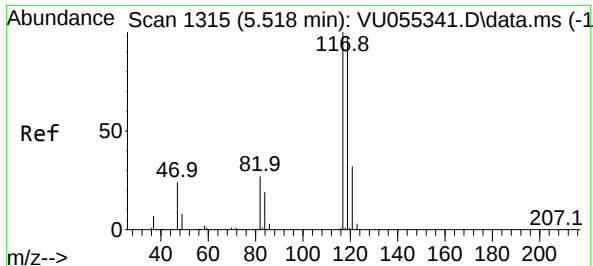
Ion Ratio Lower Upper

56 100

69 31.5 25.0 37.6

84 89.6 70.2 105.4

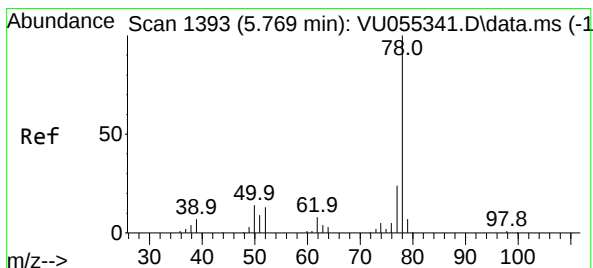
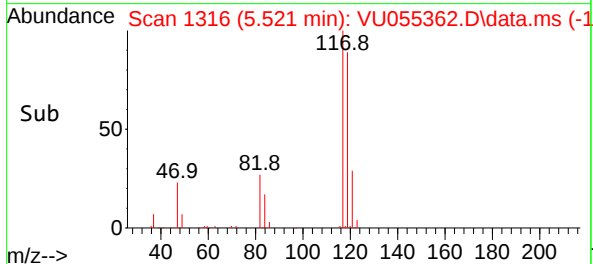
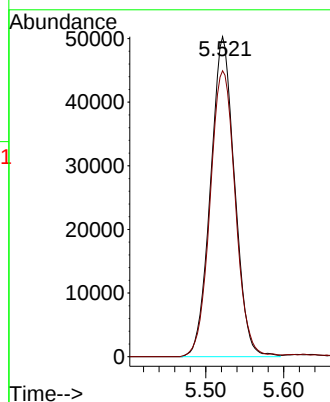
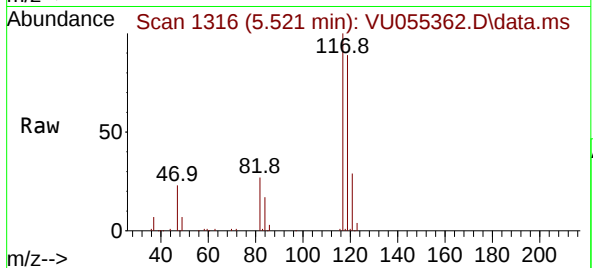




#31
Carbon tetrachloride
Concen: 4.868 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

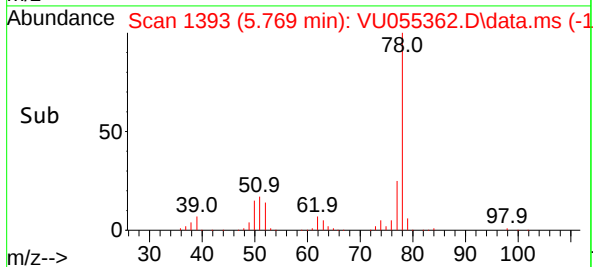
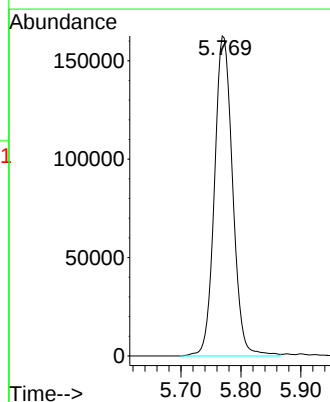
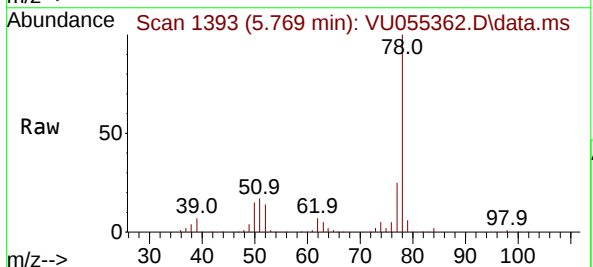
Instrument :
MSVOA_U
ClientSampleId :
VSTD005128

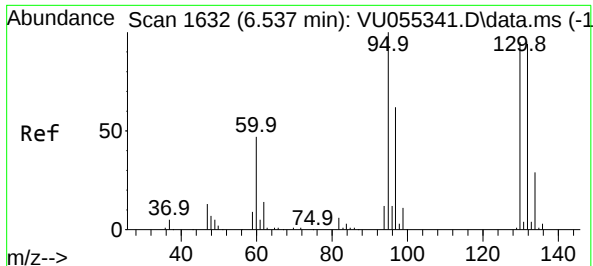
Tgt Ion:117 Resp: 108005
Ion Ratio Lower Upper
117 100
119 93.4 77.5 116.3



#33
Benzene
Concen: 5.031 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion: 78 Resp: 341813





#34

Trichloroethene

Concen: 4.732 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD005128

Tgt Ion: 95 Resp: 91505

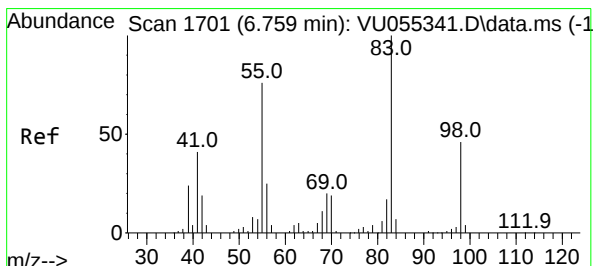
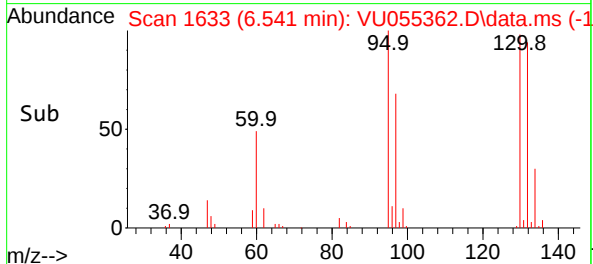
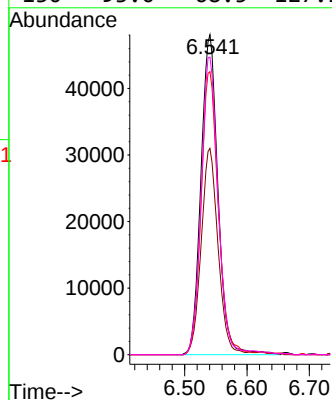
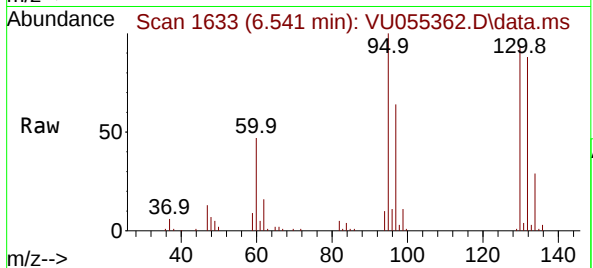
Ion Ratio Lower Upper

95 100

97 64.4 47.4 88.0

132 88.4 60.5 112.3

130 93.0 68.5 127.1



#35

Methylcyclohexane

Concen: 4.656 ug/L

RT: 6.762 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

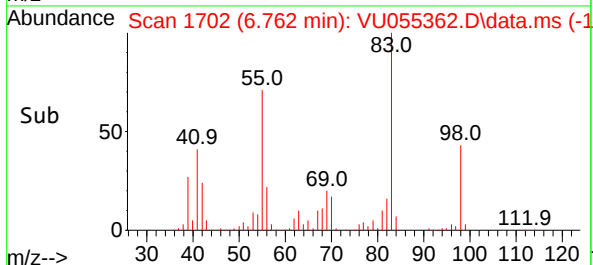
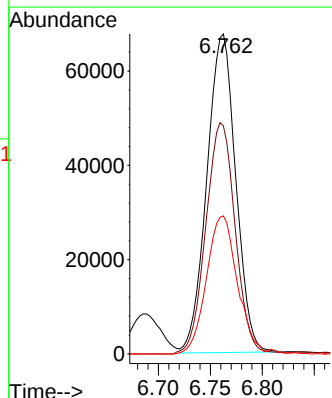
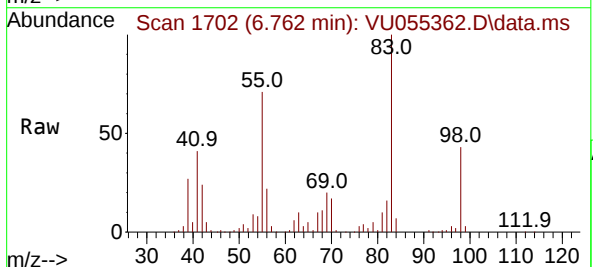
Tgt Ion: 83 Resp: 130861

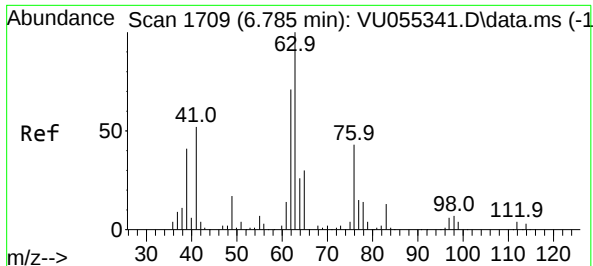
Ion Ratio Lower Upper

83 100

55 73.7 58.7 88.1

98 46.1 36.3 54.5





#37

1,2-Dichloropropane

Concen: 4.992 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

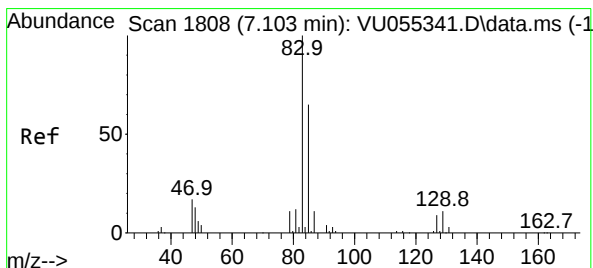
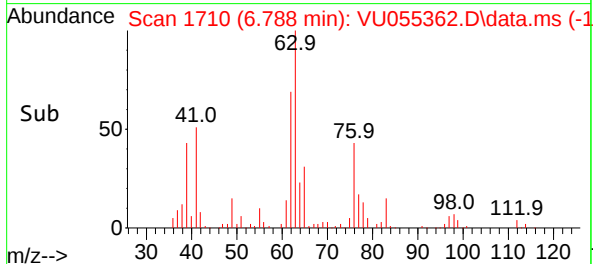
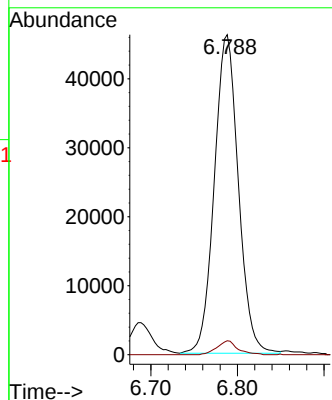
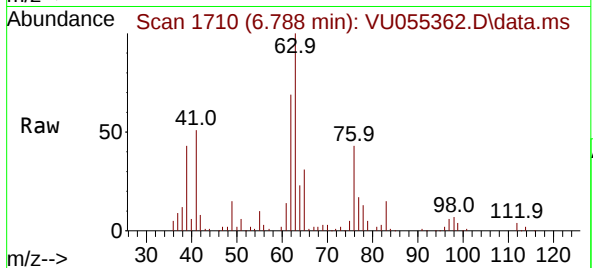
VSTD005128

Tgt Ion: 63 Resp: 89063

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 5.027 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

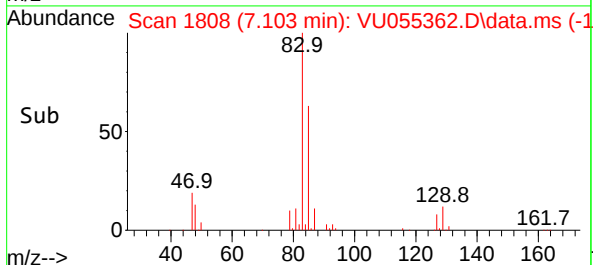
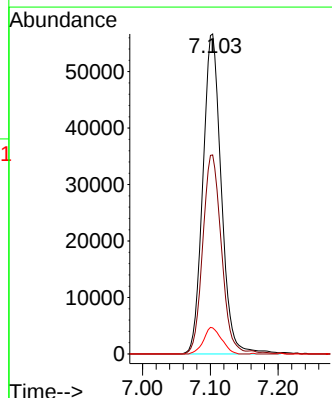
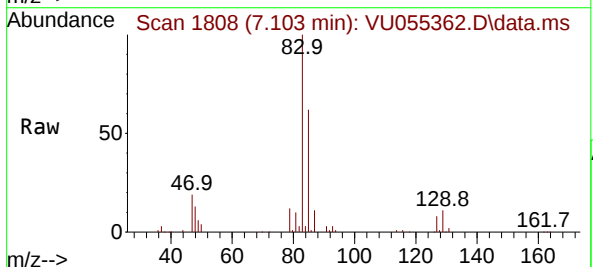
Tgt Ion: 83 Resp: 107016

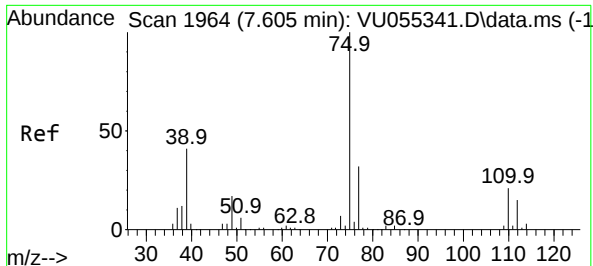
Ion Ratio Lower Upper

83 100

85 62.2 46.3 85.9

127 8.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.720 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

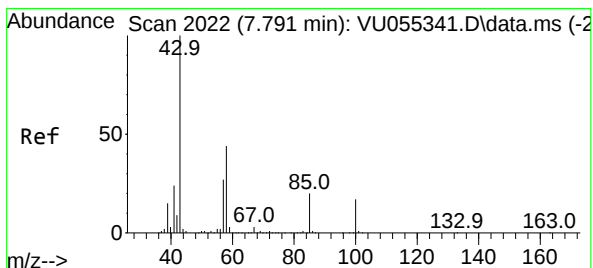
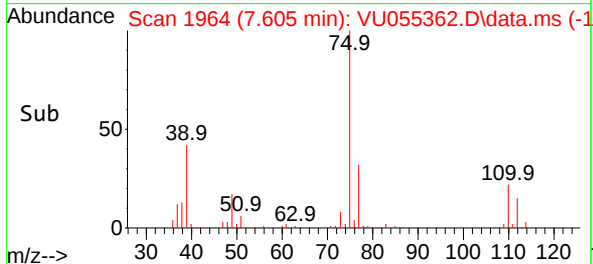
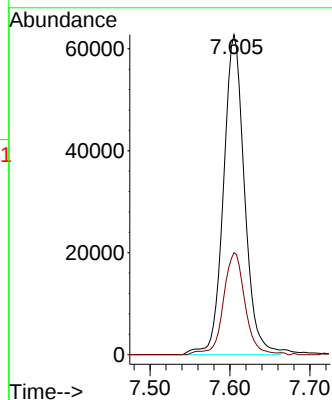
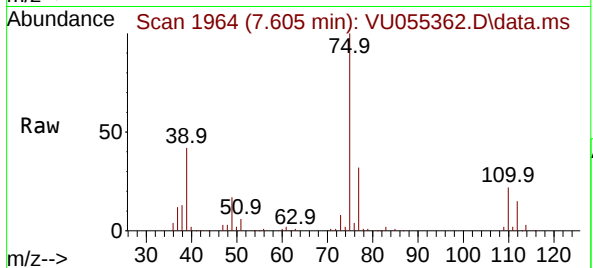
VSTD005128

Tgt Ion: 75 Resp: 114457

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 53.916 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

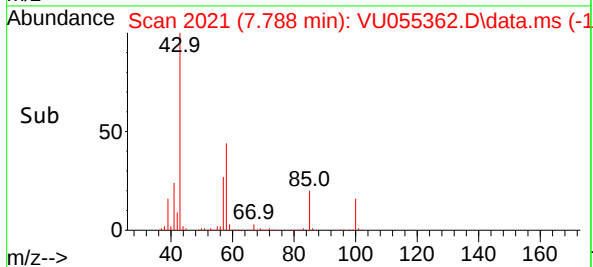
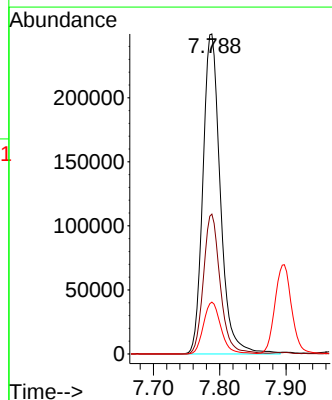
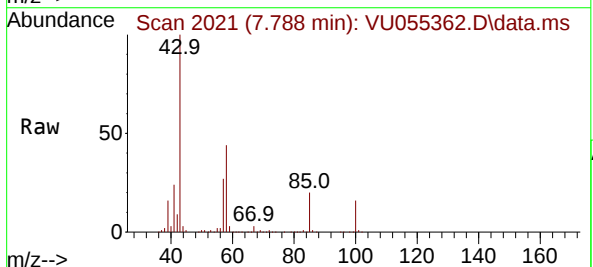
Tgt Ion: 43 Resp: 456458

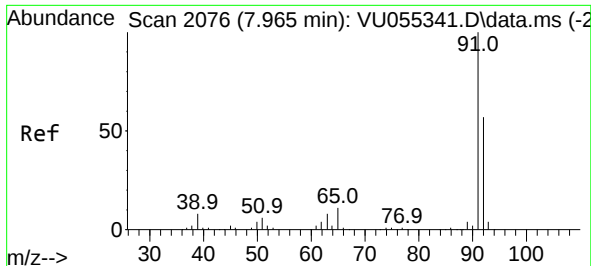
Ion Ratio Lower Upper

43 100

58 42.2 32.9 49.3

100 16.2 12.9 19.3





#42

Toluene

Concen: 5.138 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

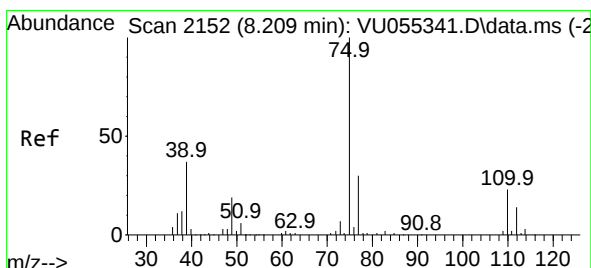
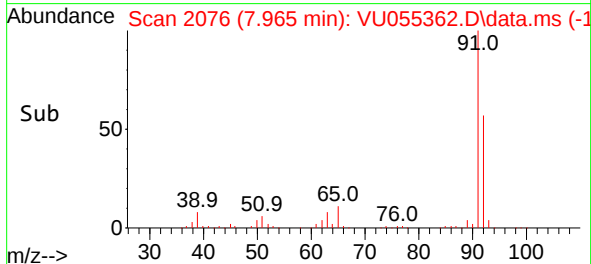
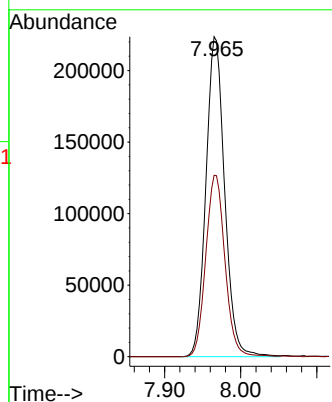
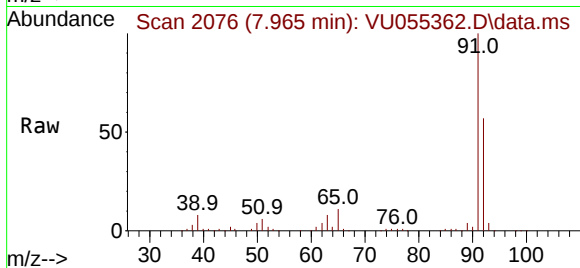
VSTD005128

Tgt Ion: 91 Resp: 382546

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.034 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055362.D

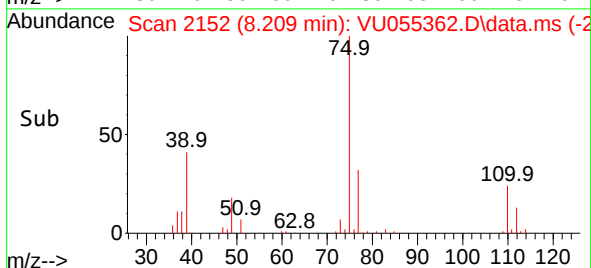
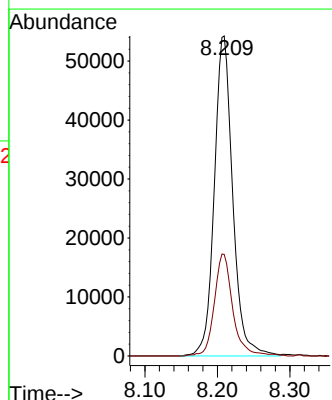
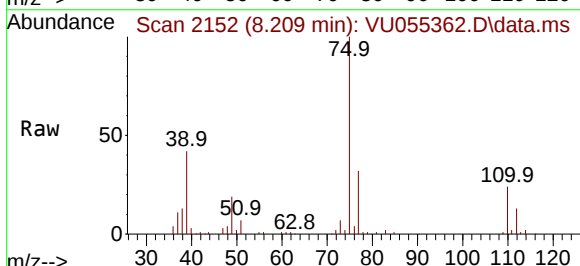
Acq: 16 Sep 2023 01:07

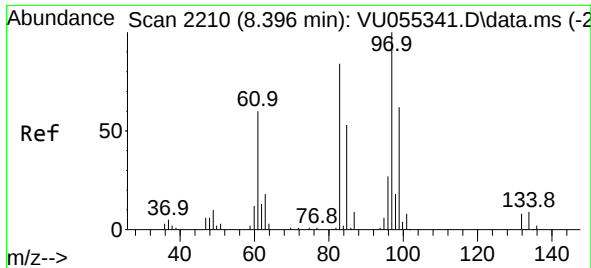
Tgt Ion: 75 Resp: 95714

Ion Ratio Lower Upper

75 100

77 31.8 23.2 43.0

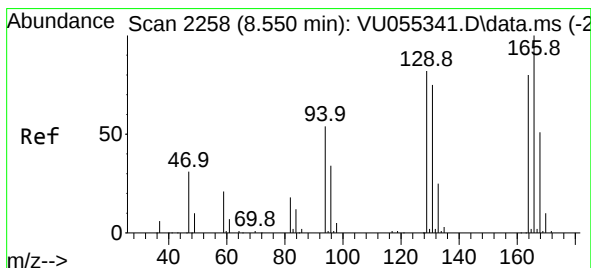
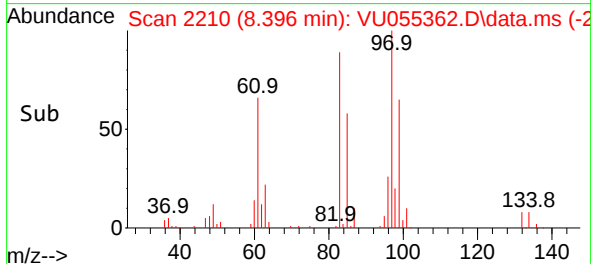
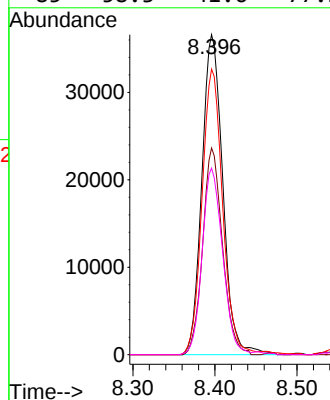
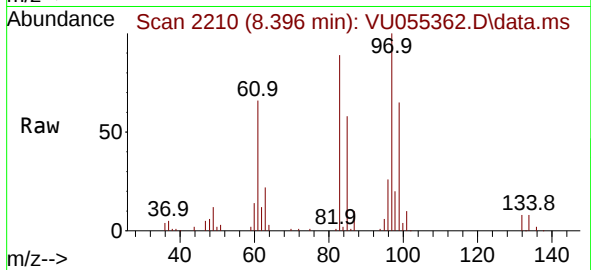




#45
1,1,2-Trichloroethane
Concen: 5.243 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

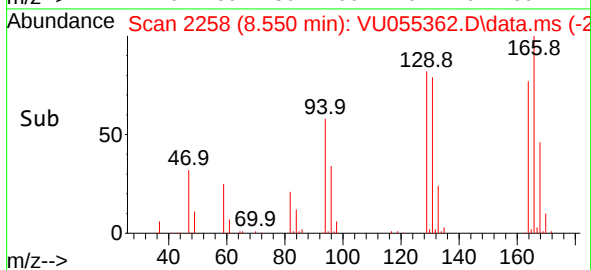
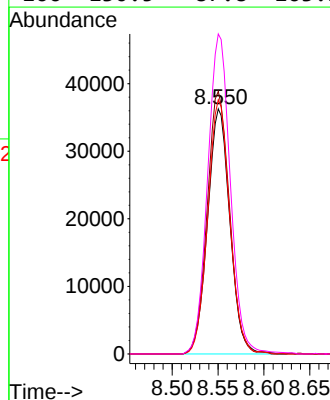
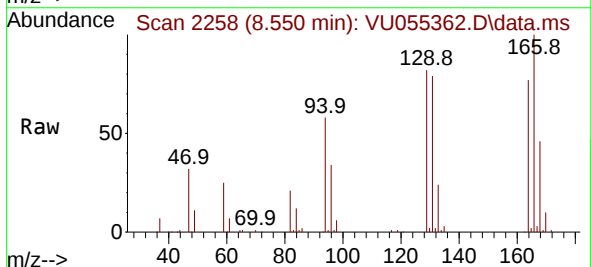
Instrument :
MSVOA_U
ClientSampleId :
VSTD005128

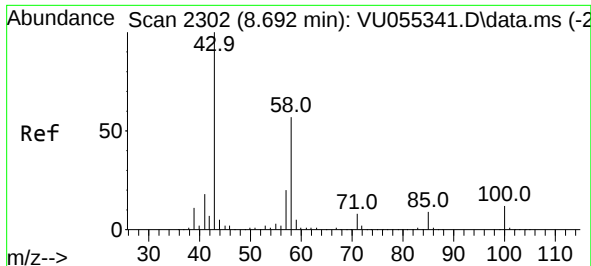
Tgt Ion:	97	Resp:	64843
Ion	Ratio	Lower	Upper
97	100		
99	64.6	42.4	78.6
83	89.2	61.3	113.9
85	58.3	41.6	77.2



#47
Tetrachloroethene
Concen: 4.623 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion:	164	Resp:	61265
Ion	Ratio	Lower	Upper
164	100		
129	107.1	76.3	141.7
131	103.7	69.1	128.3
166	130.5	87.8	163.2

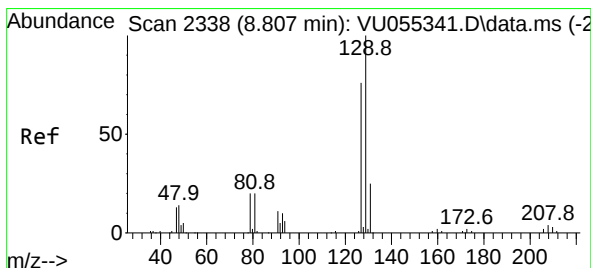
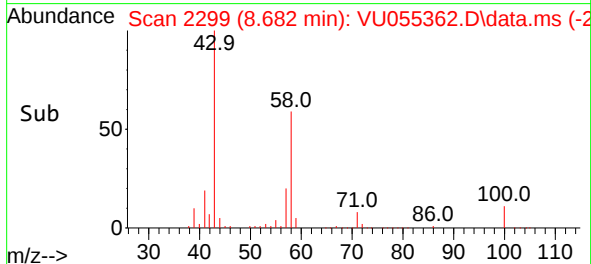
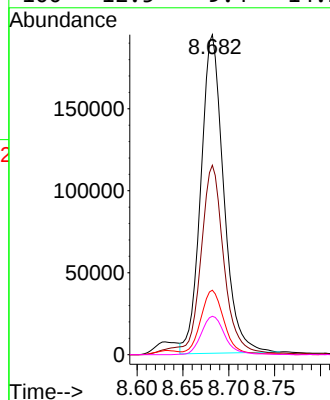
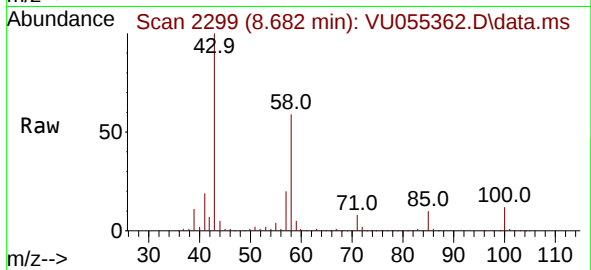




#48
2-Hexanone
Concen: 52.712 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.010 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

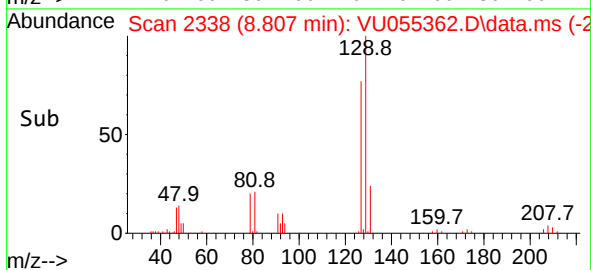
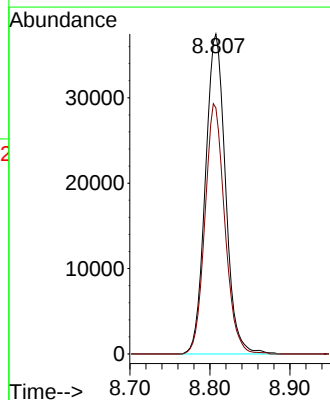
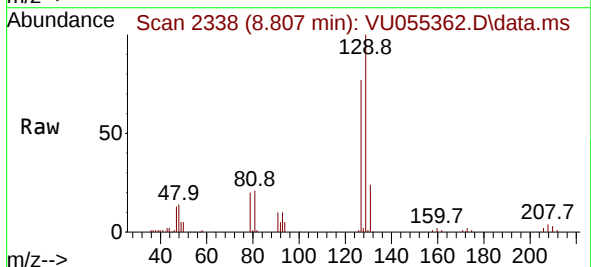
Instrument :
MSVOA_U
ClientSampleId :
VSTD005128

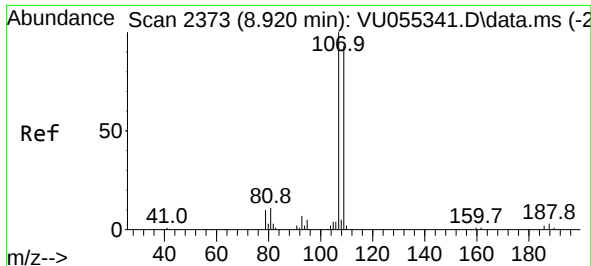
Tgt Ion: 43 Resp: 336330
Ion Ratio Lower Upper
43 100
58 61.7 47.8 71.6
57 20.7 15.4 23.2
100 12.5 9.4 14.2



#49
Dibromochloromethane
Concen: 5.168 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion: 129 Resp: 65400
Ion Ratio Lower Upper
129 100
127 76.9 53.4 99.2





#50

1,2-Dibromoethane

Concen: 5.364 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD005128

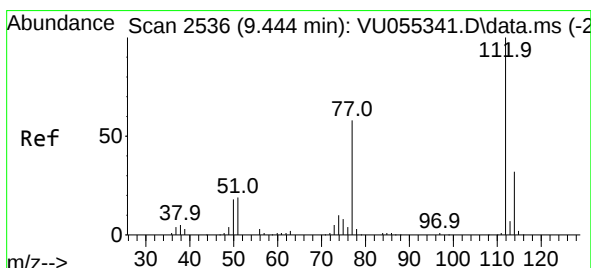
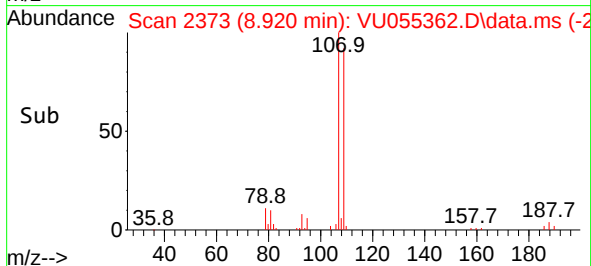
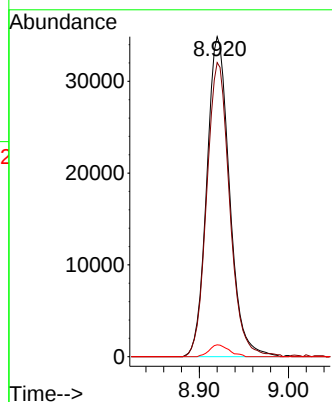
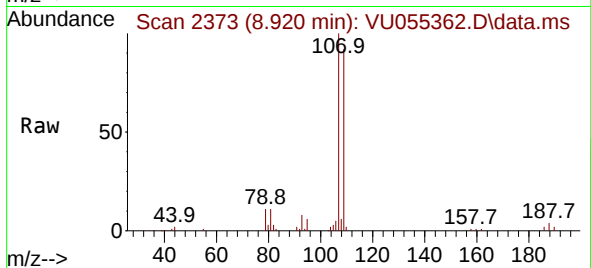
Tgt Ion:107 Resp: 61864

Ion Ratio Lower Upper

107 100

109 91.9 66.6 123.8

188 3.7 2.1 3.1#



#51

Chlorobenzene

Concen: 4.986 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

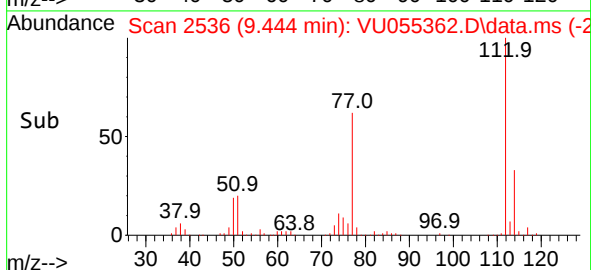
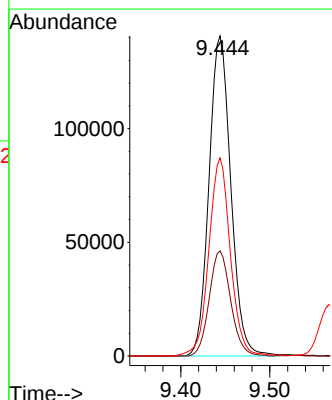
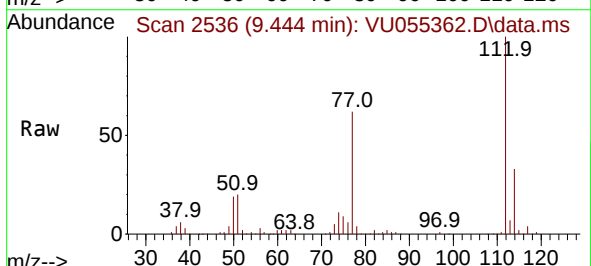
Tgt Ion:112 Resp: 239462

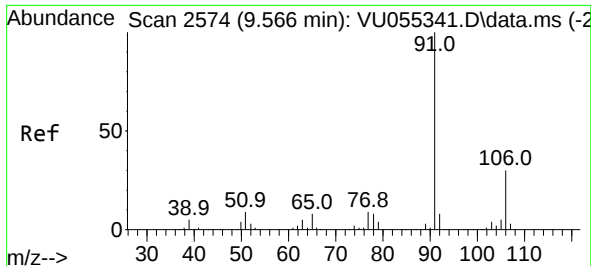
Ion Ratio Lower Upper

112 100

114 32.8 21.8 40.6

77 61.9 47.4 71.0

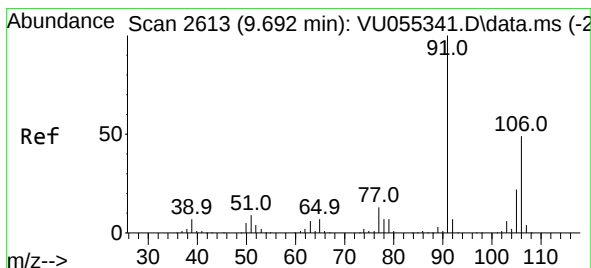
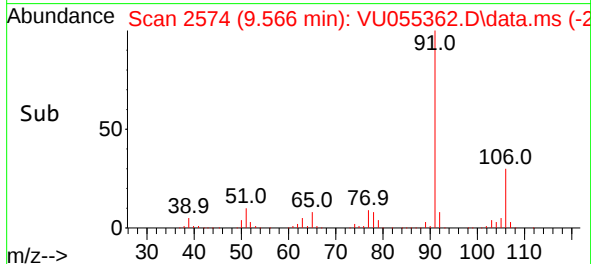
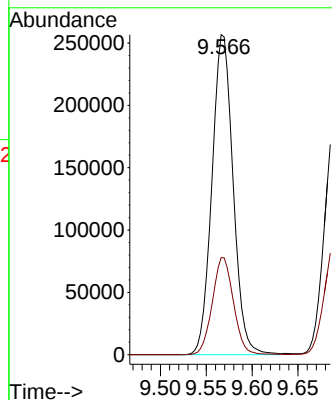
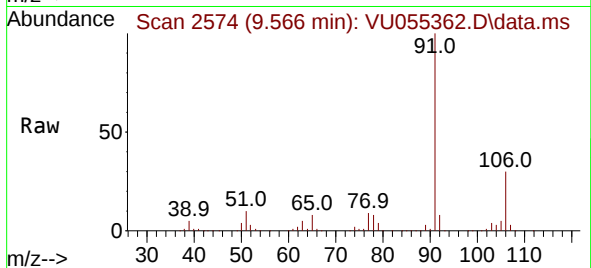




#52
Ethylbenzene
Concen: 5.043 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

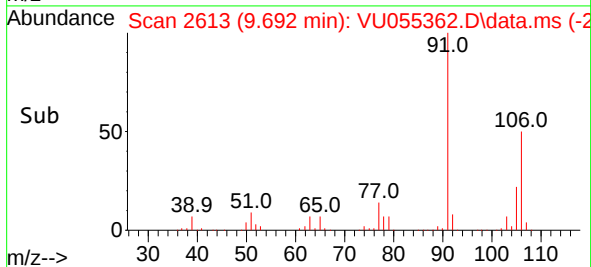
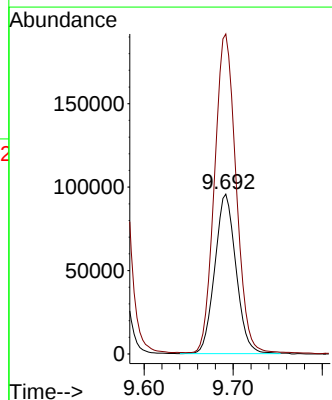
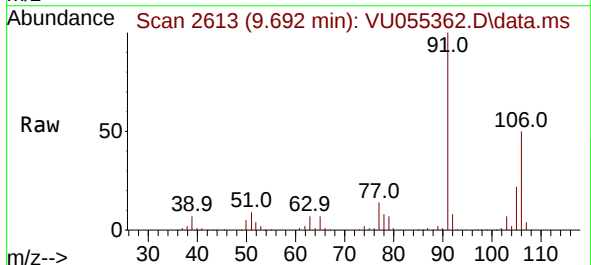
Instrument :
MSVOA_U
ClientSampleId :
VSTD005128

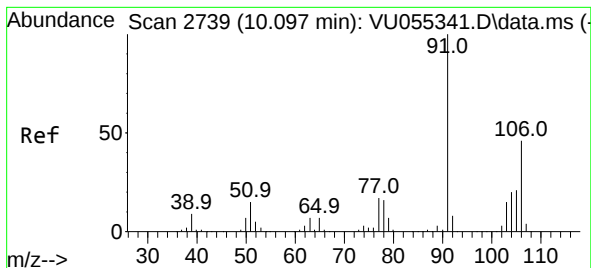
Tgt Ion: 91 Resp: 412271
Ion Ratio Lower Upper
91 100
106 30.4 21.5 39.9



#53
m,p-Xylene
Concen: 5.108 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion: 106 Resp: 157948
Ion Ratio Lower Upper
106 100
91 200.3 143.3 266.1





#54

o-Xylene

Concen: 5.201 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

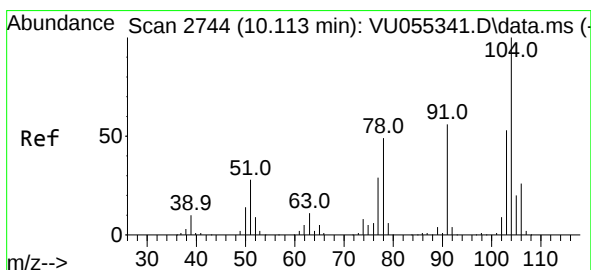
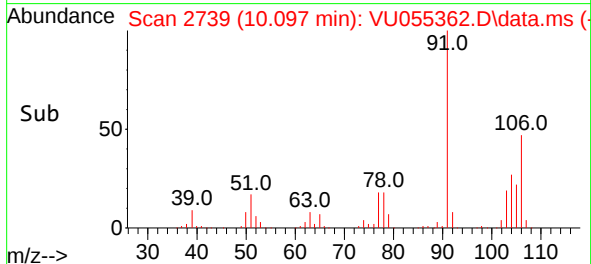
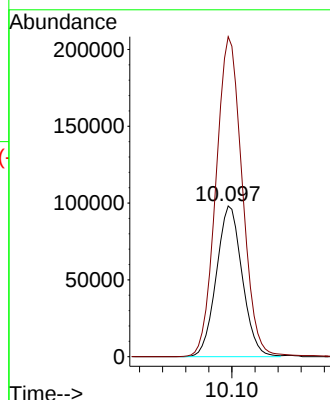
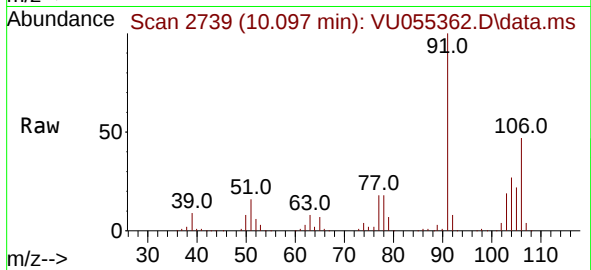
VSTD005128

Tgt Ion:106 Resp: 152582

Ion Ratio Lower Upper

106 100

91 212.3 155.6 289.0



#55

Styrene

Concen: 5.270 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU055362.D

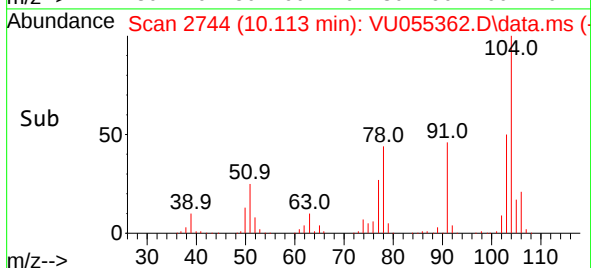
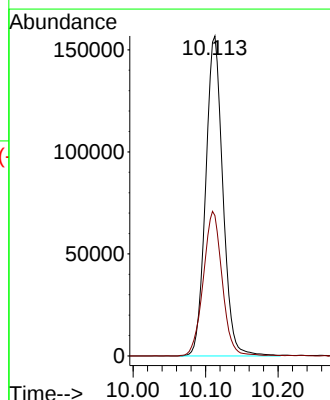
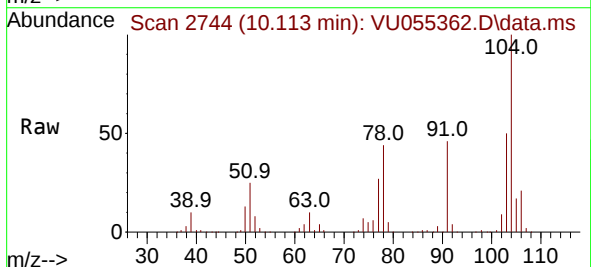
Acq: 16 Sep 2023 01:07

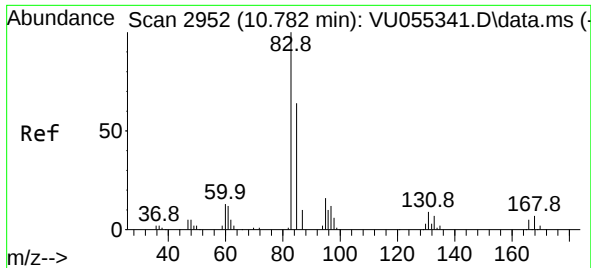
Tgt Ion:104 Resp: 258228

Ion Ratio Lower Upper

104 100

78 43.8 32.9 61.1

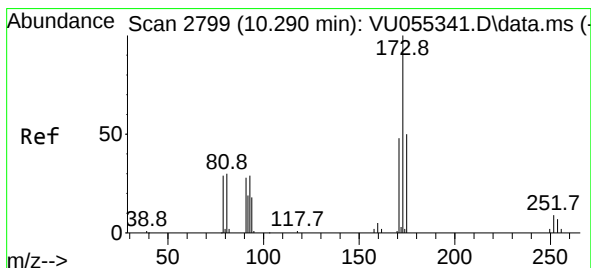
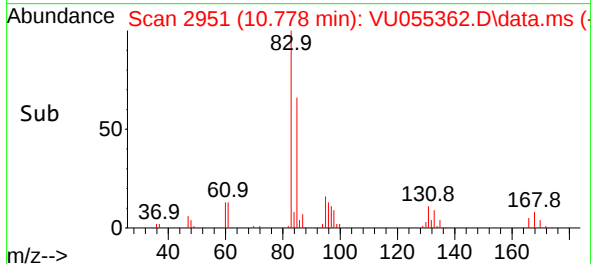
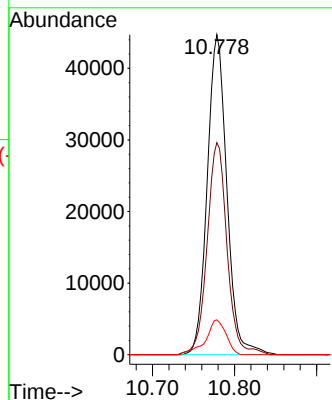
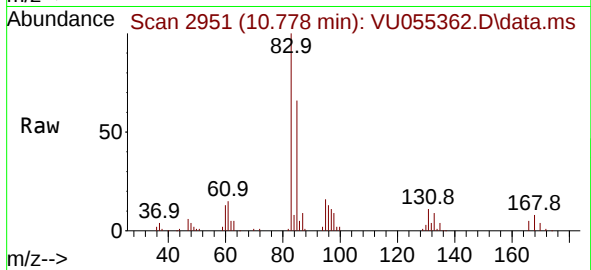




#57
1,1,2,2-Tetrachloroethane
Concen: 5.461 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

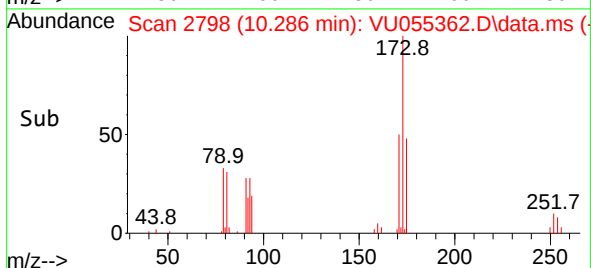
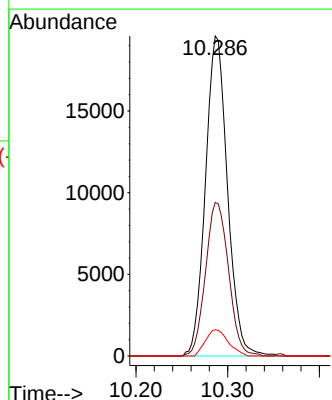
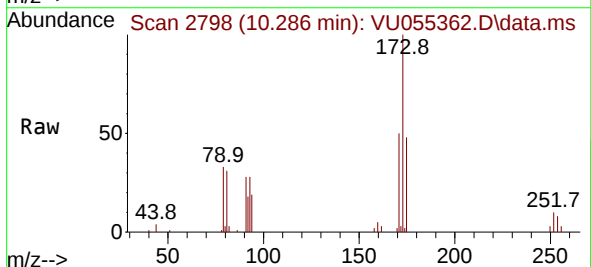
Instrument :
MSVOA_U
ClientSampleId :
VSTD005128

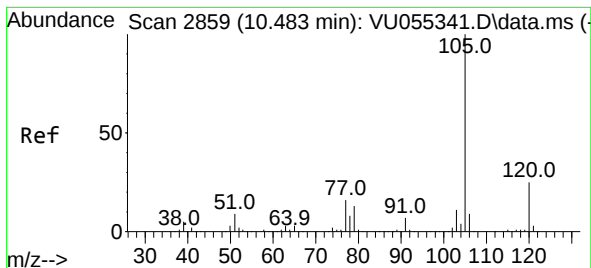
Tgt Ion: 83 Resp: 74280
Ion Ratio Lower Upper
83 100
85 66.2 43.3 80.5
131 10.9 7.2 10.8#



#59
Bromoform
Concen: 5.044 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.003 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion: 173 Resp: 32732
Ion Ratio Lower Upper
173 100
175 50.0 38.1 57.1
254 8.5 6.8 10.2





#60

Isopropylbenzene

Concen: 4.974 ug/L

RT: 10.479 min Scan# 2859

Delta R.T. -0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD005128

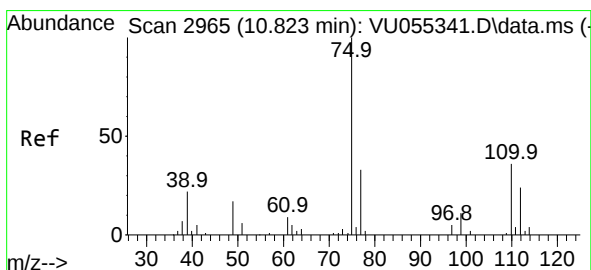
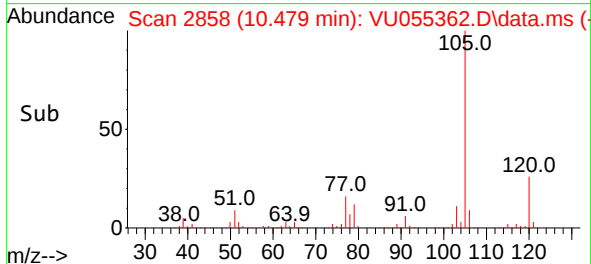
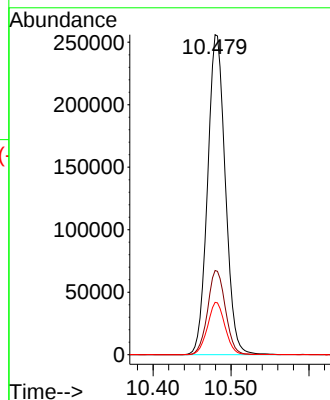
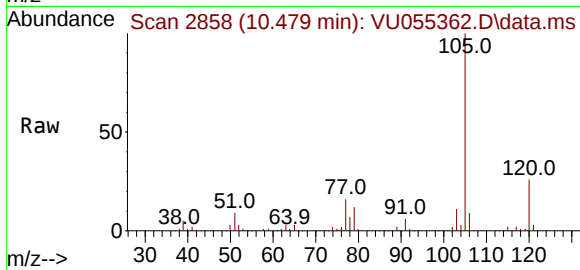
Tgt Ion:105 Resp: 404832

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

77 16.2 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 5.136 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. -0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

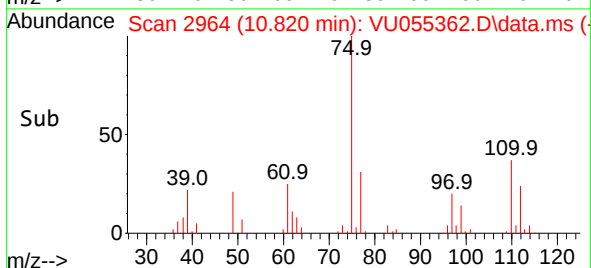
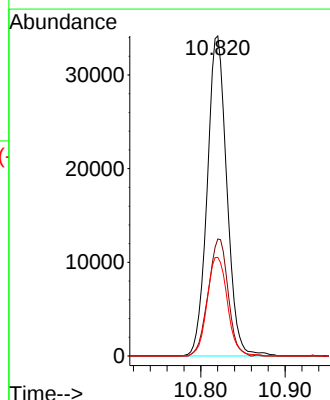
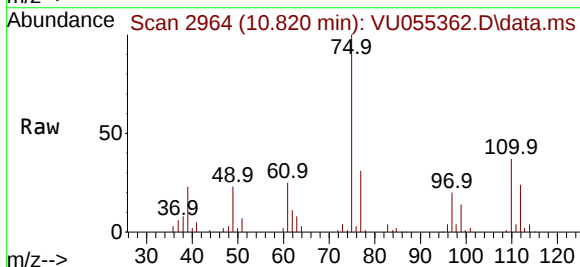
Tgt Ion: 75 Resp: 55443

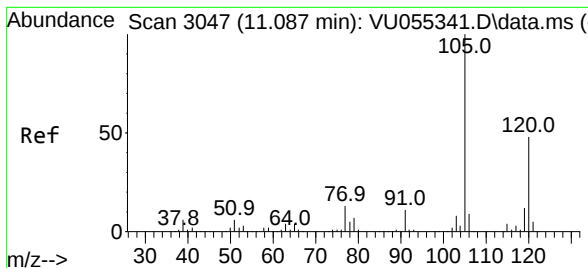
Ion Ratio Lower Upper

75 100

110 36.8 31.4 47.2

77 31.9 26.0 39.0





#62

1,3,5-Trimethylbenzene

Concen: 4.921 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

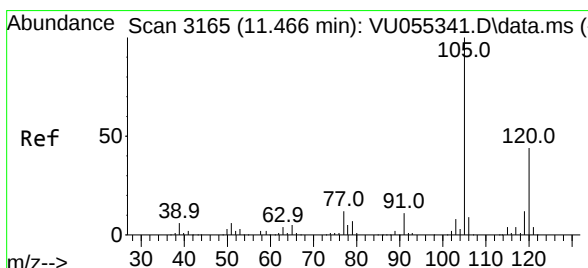
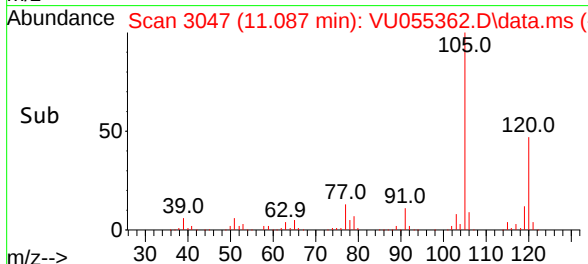
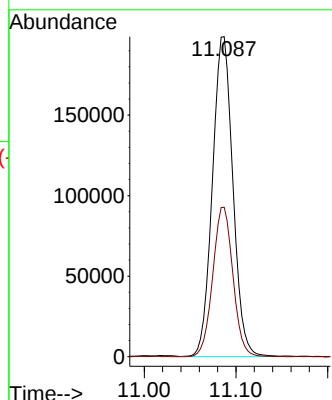
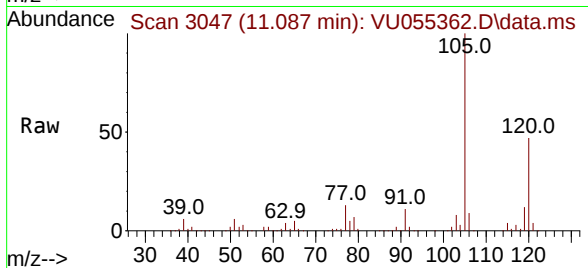
VSTD005128

Tgt Ion:105 Resp: 307885

Ion Ratio Lower Upper

105 100

120 46.2 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 5.014 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055362.D

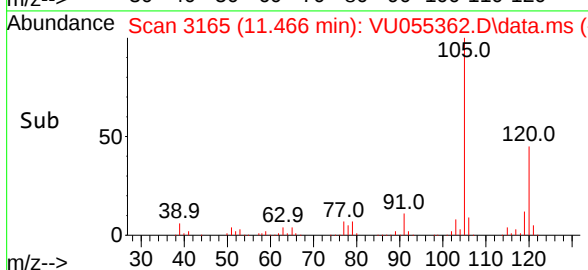
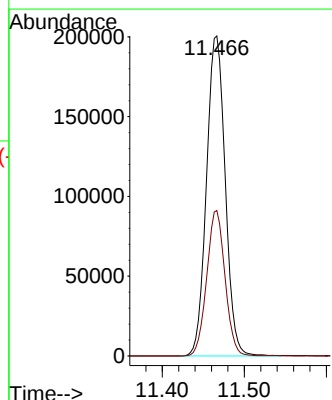
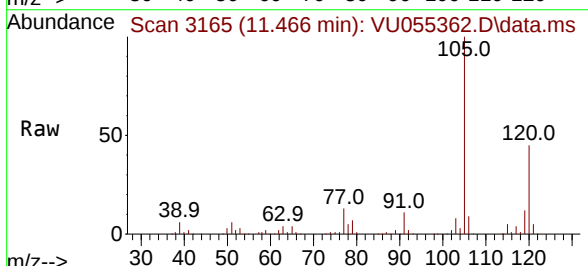
Acq: 16 Sep 2023 01:07

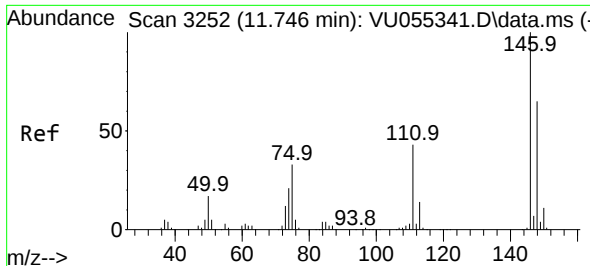
Tgt Ion:105 Resp: 318457

Ion Ratio Lower Upper

105 100

120 44.4 34.6 52.0

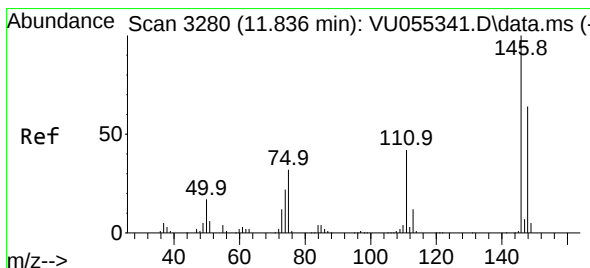
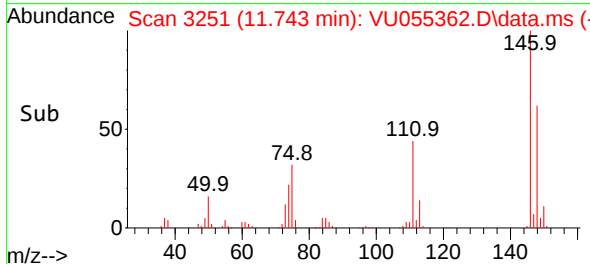
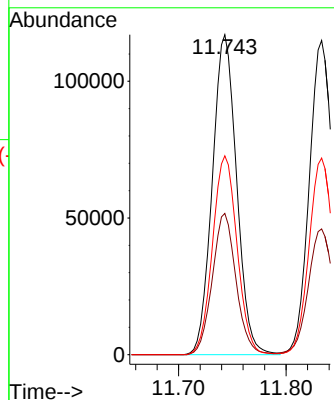
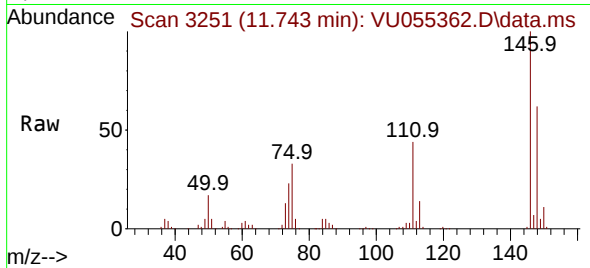




#64
 1,3-Dichlorobenzene
 Concen: 4.909 ug/L
 RT: 11.743 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU055362.D
 Acq: 16 Sep 2023 01:07

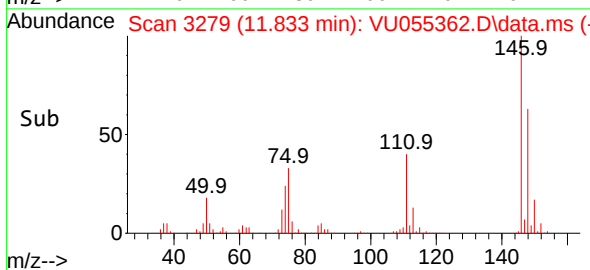
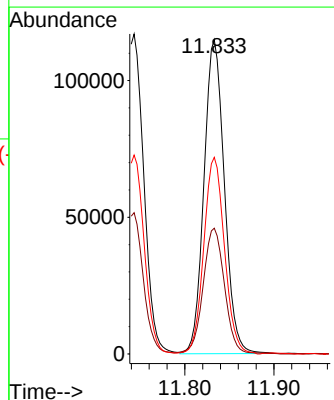
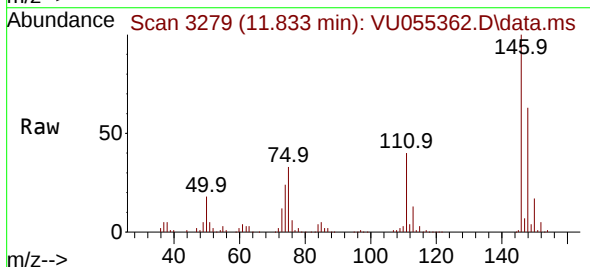
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005128

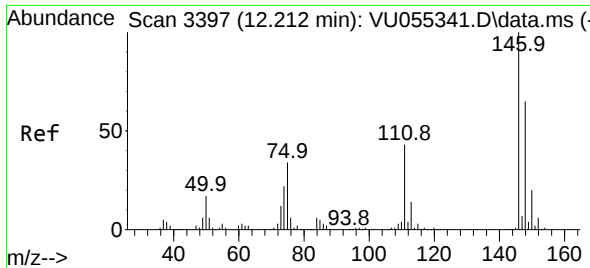
Tgt Ion:146 Resp: 184063
 Ion Ratio Lower Upper
 146 100
 111 44.2 30.4 56.4
 148 62.1 44.9 83.5



#65
 1,4-Dichlorobenzene
 Concen: 4.982 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. -0.003 min
 Lab File: VU055362.D
 Acq: 16 Sep 2023 01:07

Tgt Ion:146 Resp: 182580
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.7 53.3
 148 62.6 43.5 80.9

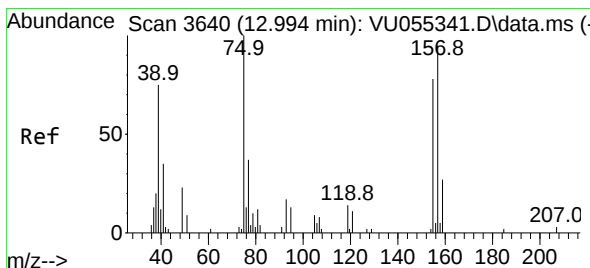
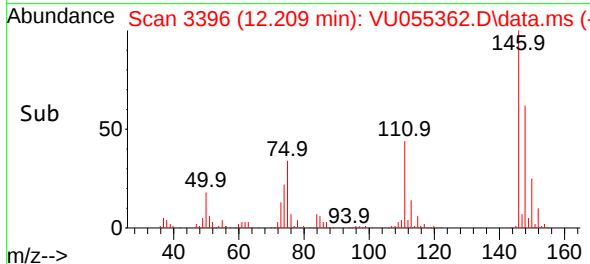
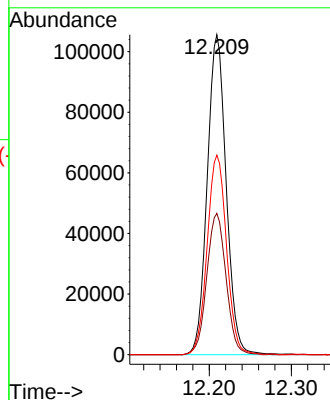
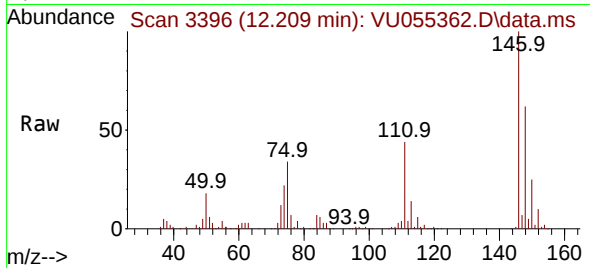




#67
1,2-Dichlorobenzene
Concen: 5.038 ug/L
RT: 12.209 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

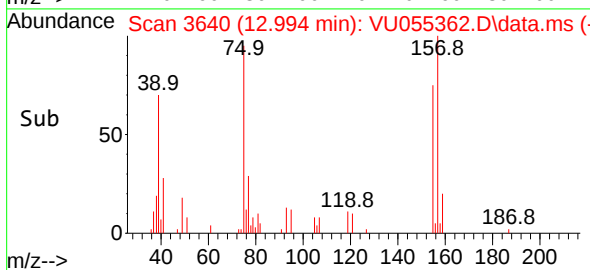
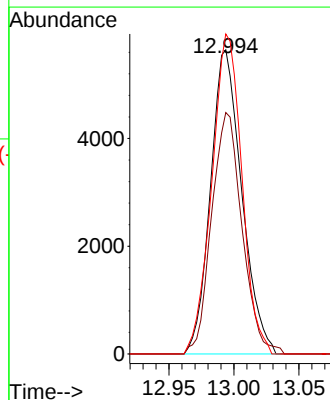
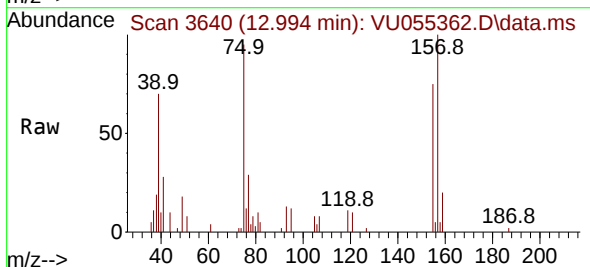
Instrument :
MSVOA_U
ClientSampleId :
VSTD005128

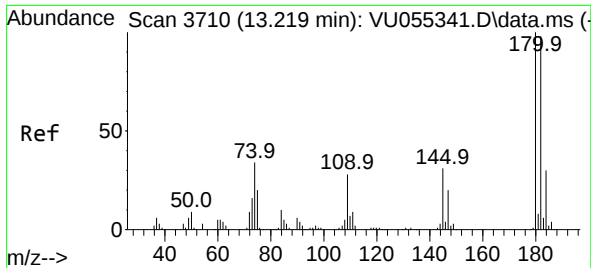
Tgt Ion:146 Resp: 169359
Ion Ratio Lower Upper
146 100
111 44.2 35.4 53.0
148 62.3 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 5.118 ug/L
RT: 12.994 min Scan# 3640
Delta R.T. 0.000 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion: 75 Resp: 9448
Ion Ratio Lower Upper
75 100
155 79.4 53.7 80.5
157 105.2 72.4 108.6

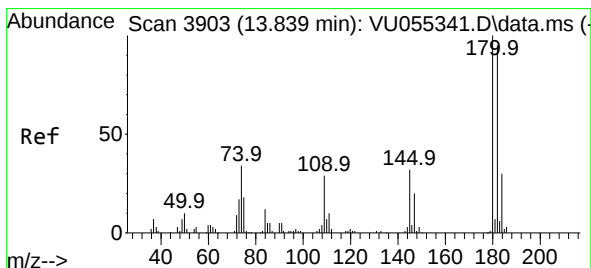
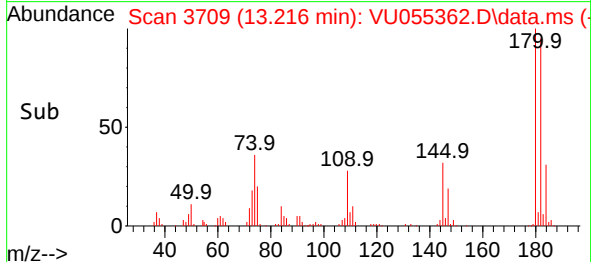
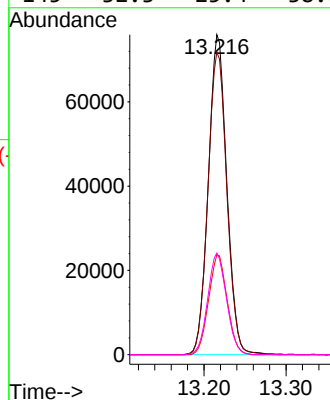
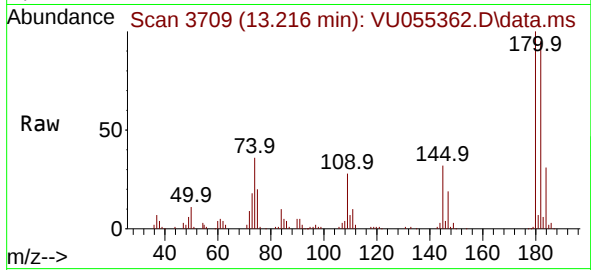




#69
1,3,5-Trichlorobenzene
Concen: 4.648 ug/L
RT: 13.216 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

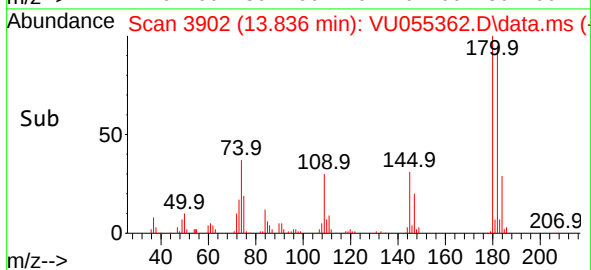
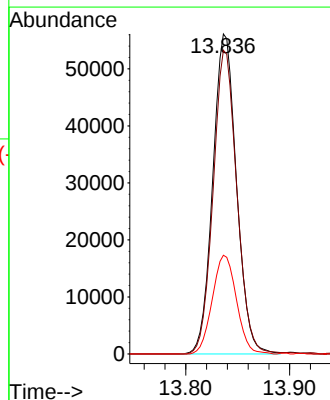
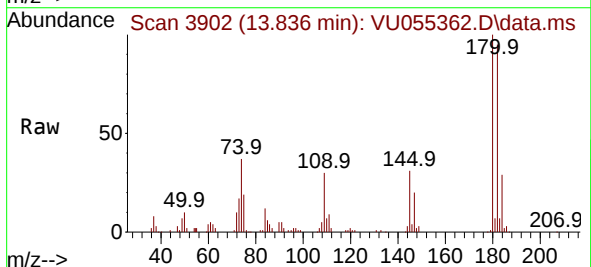
Instrument :
MSVOA_U
ClientSampleId :
VSTD005128

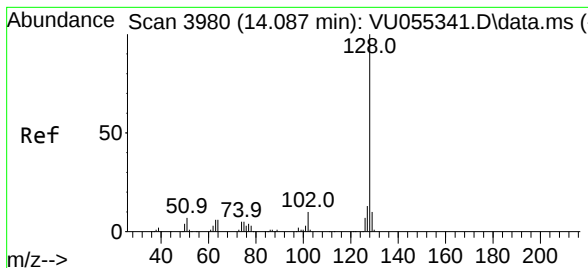
Tgt Ion:180 Resp: 118731
Ion Ratio Lower Upper
180 100
182 96.6 77.4 116.2
184 31.3 24.5 36.7
145 32.3 25.4 38.0



#70
1,2,4-trichlorobenzene
Concen: 4.543 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. -0.003 min
Lab File: VU055362.D
Acq: 16 Sep 2023 01:07

Tgt Ion:180 Resp: 89051
Ion Ratio Lower Upper
180 100
182 95.0 76.3 114.5
145 31.4 25.8 38.8





#71

Naphthalene

Concen: 4.409 ug/L

RT: 14.084 min Scan# 3980

Delta R.T. -0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD005128

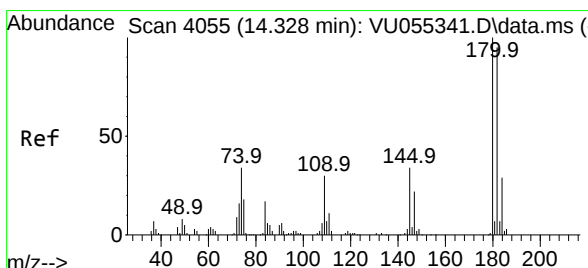
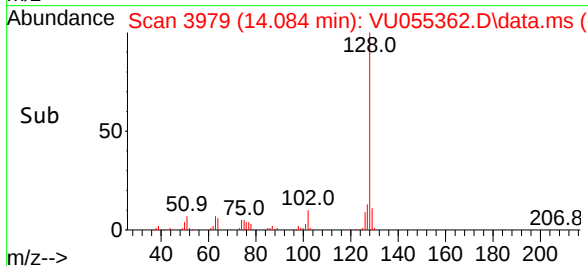
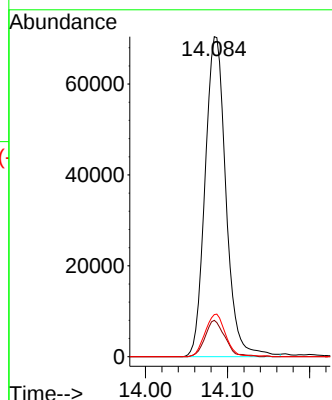
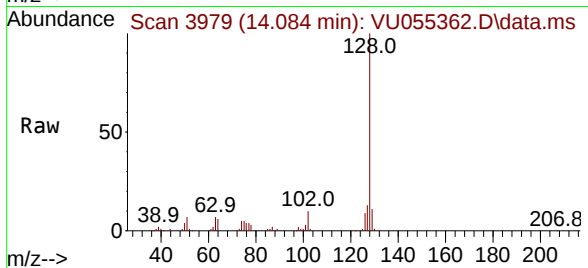
Tgt Ion:128 Resp: 124292

Ion Ratio Lower Upper

128 100

129 10.9 8.2 12.4

127 13.0 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 4.566 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.003 min

Lab File: VU055362.D

Acq: 16 Sep 2023 01:07

Tgt Ion:180 Resp: 77490

Ion Ratio Lower Upper

180 100

182 97.8 74.6 112.0

145 34.9 27.3 40.9

