

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055129.D
 Acq On : 06 Sep 2023 05:51
 Operator : MD/SY
 Sample : 04268-04MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 06:31:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	186385	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	188468	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	106378	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	36915	4.226	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.600%
7) Chloroethane-d5	1.908	69	44638	4.414	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.560	65	22091	4.438	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.800%
20) 2-Butanone-d5	4.624	46	141574	55.848	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.700%
24) Chloroform-d	5.059	84	111629	4.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.702	65	58002	5.001	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.724	84	218039	4.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.689	67	71851	4.856	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.898	98	201114	4.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
43) trans-1,3-Dichloroprop...	8.181	79	17725	4.350	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.000%
46) 2-Hexanone-d5	8.631	63	91063	55.046	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.100%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52045	5.001	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	75108	4.837	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	50545	4.667	ug/L	98
3) Chloromethane	1.515	50	52409	4.753	ug/L	94
5) Vinyl chloride	1.599	62	56261	4.837	ug/L	96
6) Bromomethane	1.853	94	28240	4.025	ug/L	100
8) Chloroethane	1.927	64	35161	4.642	ug/L	99
9) Trichlorofluoromethane	2.133	101	77863	4.603	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	45125	4.585	ug/L	98
12) 1,1-Dichloroethene	2.576	96	40691	4.722	ug/L	94
13) Acetone	2.628	43	85100	50.088	ug/L	99
14) Carbon disulfide	2.789	76	99415	4.711	ug/L	99
15) Methyl Acetate	2.952	43	18609	5.351	ug/L	99
16) Methylene chloride	3.043	84	49496	3.759	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	116776	5.167	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	41534	4.751	ug/L	97
19) 1,1-Dichloroethane	3.866	63	91541	4.845	ug/L	99
21) 2-Butanone	4.705	43	137584	55.116	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	53248	4.976	ug/L	94
23) Bromochloromethane	4.972	128	22336	5.075	ug/L	97
25) Chloroform	5.084	83	100998	5.133	ug/L	98

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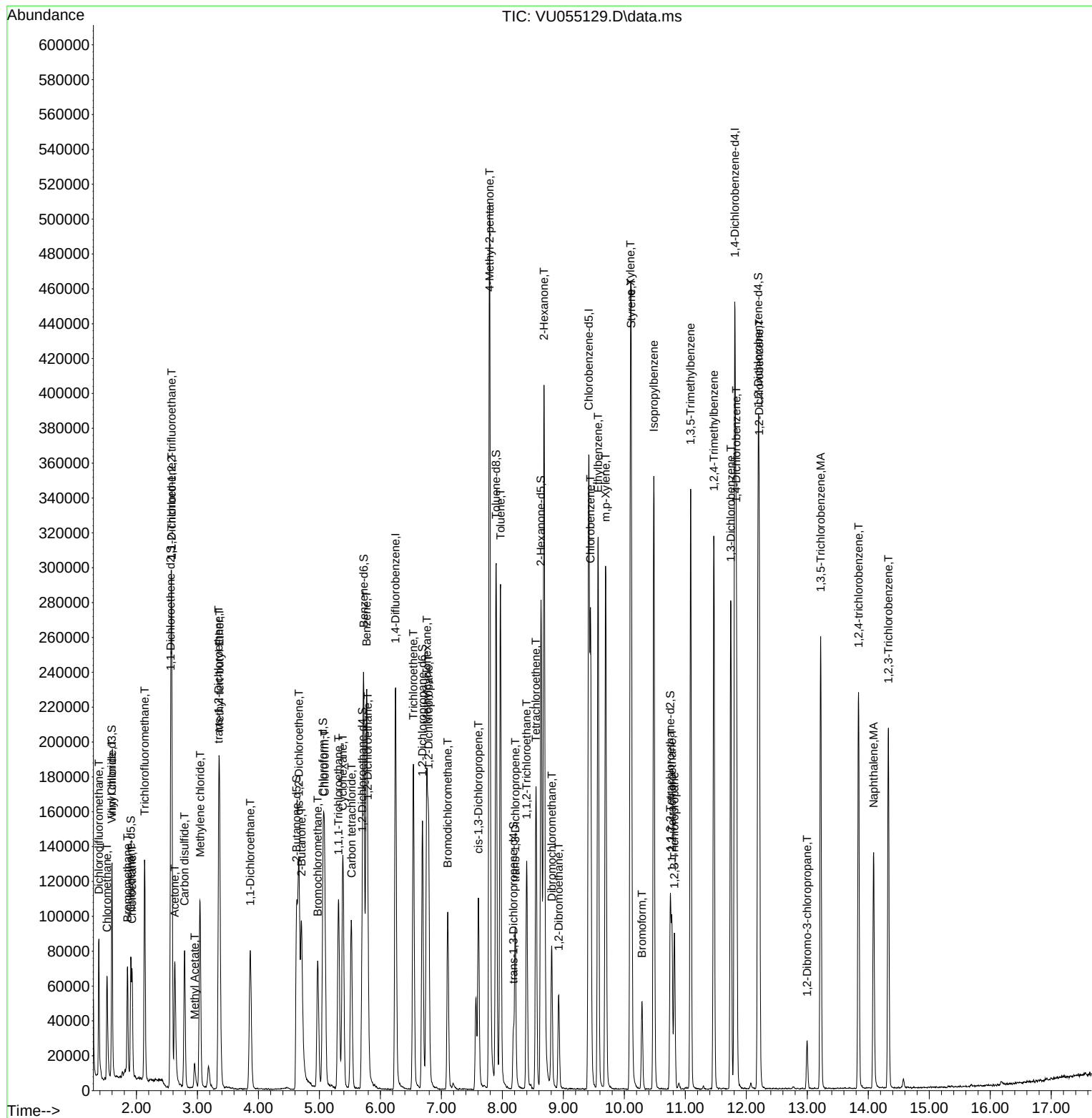
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	60658	5.051	ug/L	99
29) 1,1,1-Trichloroethane	5.313	97	78236	4.799	ug/L	100
30) Cyclohexane	5.383	56	65404	4.512	ug/L	99
31) Carbon tetrachloride	5.525	117	65752	4.850	ug/L	98
33) Benzene	5.772	78	192307	4.794	ug/L	100
34) Trichloroethene	6.541	95	60777	5.452	ug/L	95
35) Methylcyclohexane	6.763	83	66975	4.282	ug/L	98
37) 1,2-Dichloropropane	6.788	63	54303	4.973	ug/L	98
38) Bromodichloromethane	7.103	83	66120	5.071	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	63820	4.297	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	335125	53.798	ug/L	99
42) Toluene	7.968	91	208239	4.870	ug/L	98
44) trans-1,3-Dichloropropene	8.210	75	51757	4.439	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	40427	5.496	ug/L	96
47) Tetrachloroethene	8.550	164	37224	4.831	ug/L	95
48) 2-Hexanone	8.682	43	263237	53.949	ug/L	97
49) Dibromochloromethane	8.808	129	39765	4.952	ug/L	97
50) 1,2-Dibromoethane	8.923	107	36315	5.422	ug/L #	88
51) Chlorobenzene	9.444	112	135528	4.785	ug/L	98
52) Ethylbenzene	9.570	91	227963	4.765	ug/L	100
53) m,p-Xylene	9.692	106	85208	4.813	ug/L	95
54) o-Xylene	10.100	106	83359	4.785	ug/L	100
55) Styrene	10.113	104	140873	4.897	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	44456	4.852	ug/L	89
59) Bromoform	10.287	173	21274	5.005	ug/L	97
60) Isopropylbenzene	10.483	105	225807	4.552	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	36860	5.221	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	183278	4.441	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	174663	4.295	ug/L	97
64) 1,3-Dichlorobenzene	11.746	146	108990	4.577	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	110664	4.663	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	104655	4.687	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.997	75	6568	4.830	ug/L	89
69) 1,3,5-Trichlorobenzene	13.219	180	74598	4.145	ug/L	99
70) 1,2,4-trichlorobenzene	13.840	180	63600	3.769	ug/L	96
71) Naphthalene	14.087	128	109010	3.554	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	57448	3.922	ug/L	97

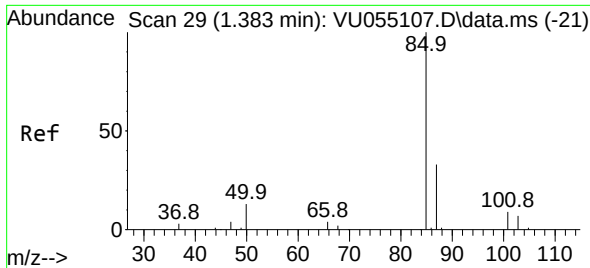
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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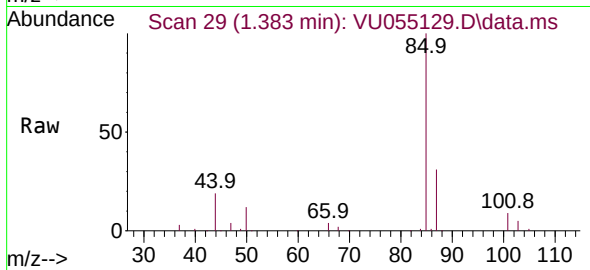
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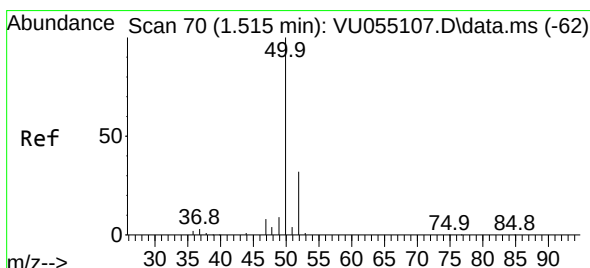
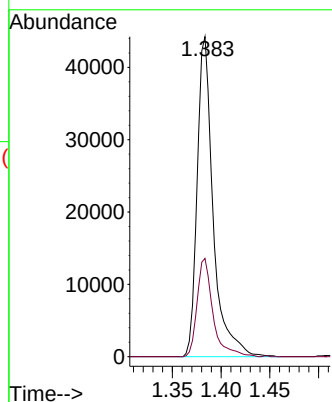
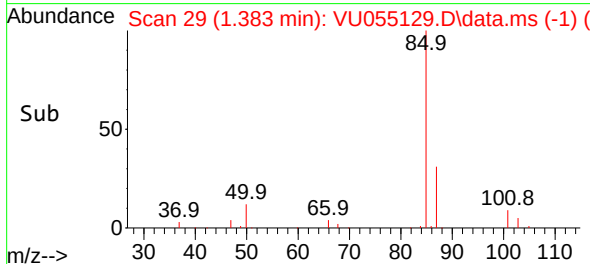


#2
 Dichlorodifluoromethane
 Concen: 4.667 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055129.D
 Acq: 06 Sep 2023 05:51

Instrument :
 MSVOA_U
 ClientSampleId :

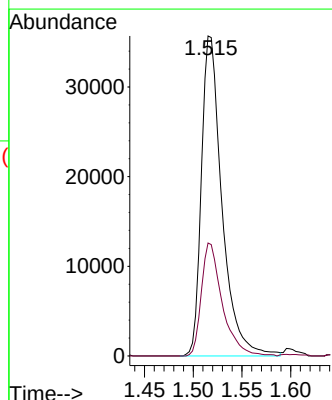
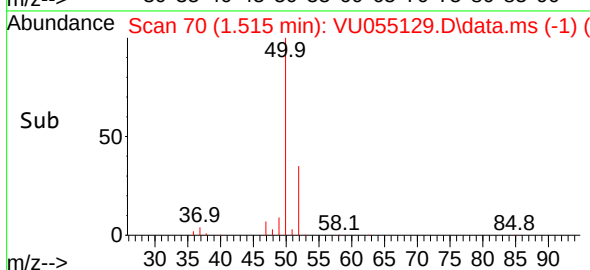
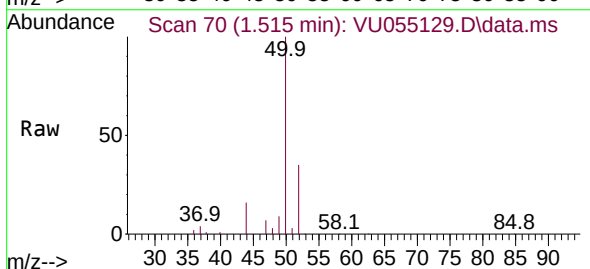


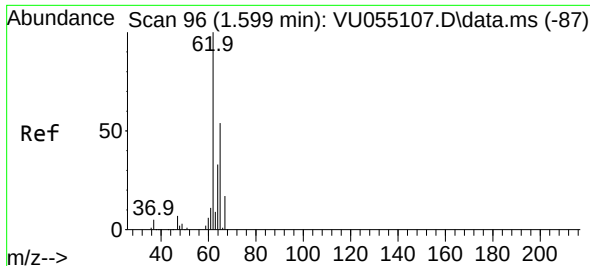
Tgt Ion: 85 Resp: 50545
 Ion Ratio Lower Upper
 85 100
 87 30.5 25.1 37.7



#3
 Chloromethane
 Concen: 4.753 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU055129.D
 Acq: 06 Sep 2023 05:51

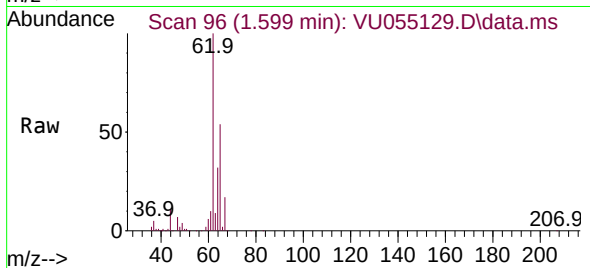
Tgt Ion: 50 Resp: 52409
 Ion Ratio Lower Upper
 50 100
 52 35.3 22.5 41.7



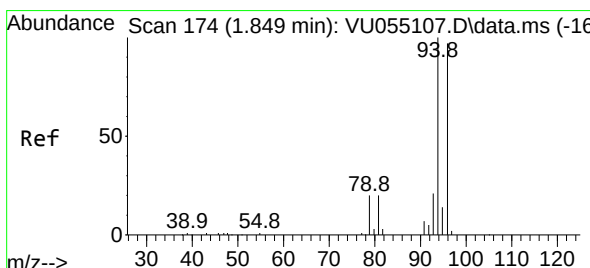
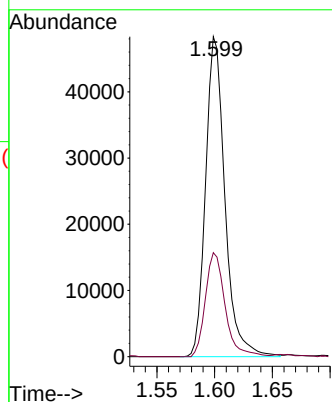
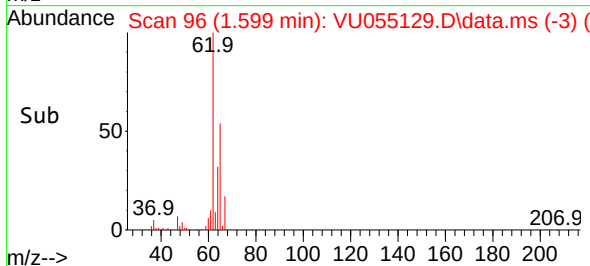


#5
 Vinyl chloride
 Concen: 4.837 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU055129.D
 Acq: 06 Sep 2023 05:51

Instrument :
 MSVOA_U
 ClientSampleId :

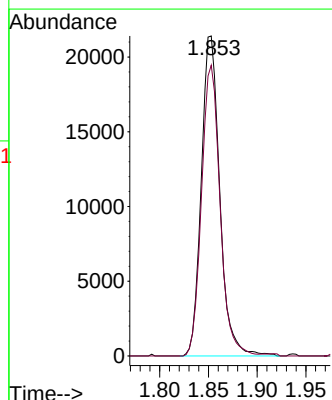
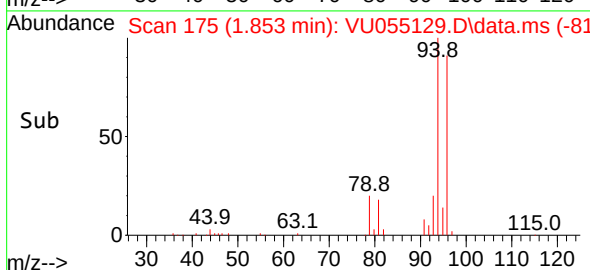
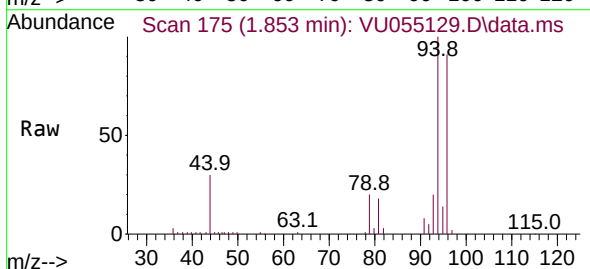


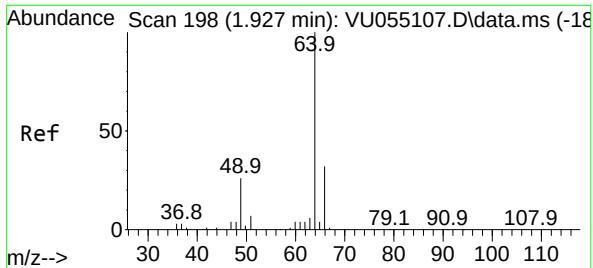
Tgt Ion: 62 Resp: 56261
 Ion Ratio Lower Upper
 62 100
 64 32.5 24.2 45.0



#6
 Bromomethane
 Concen: 4.025 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.003 min
 Lab File: VU055129.D
 Acq: 06 Sep 2023 05:51

Tgt Ion: 94 Resp: 28240
 Ion Ratio Lower Upper
 94 100
 96 90.8 63.8 118.4

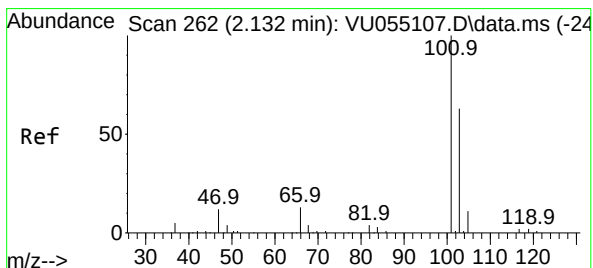
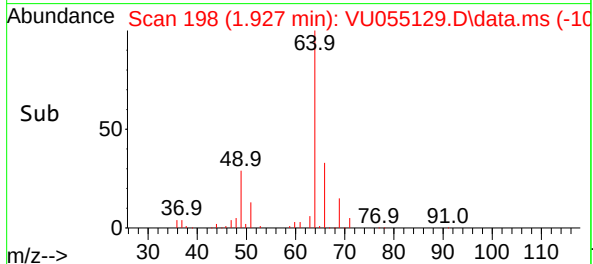
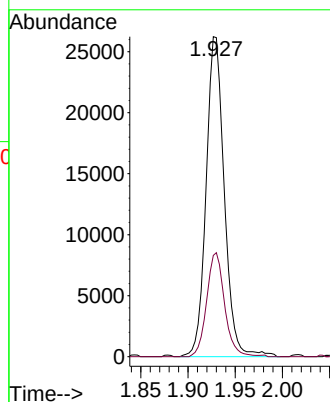
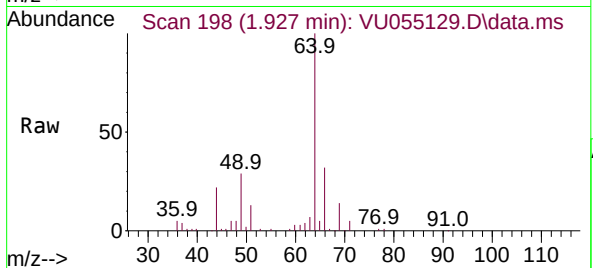




#8
Chloroethane
Concen: 4.642 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

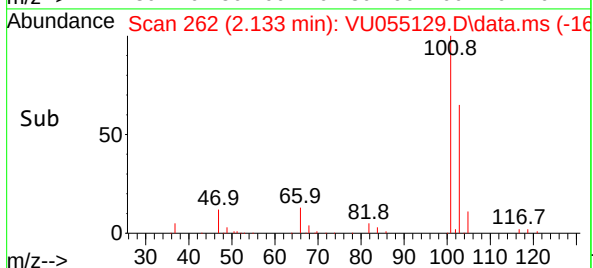
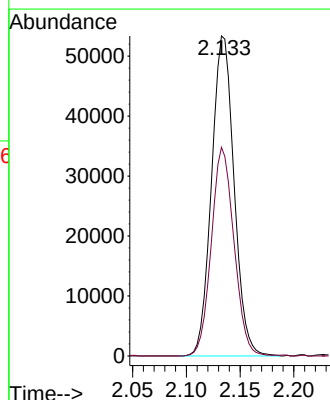
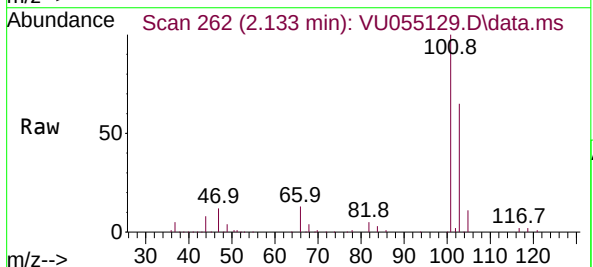
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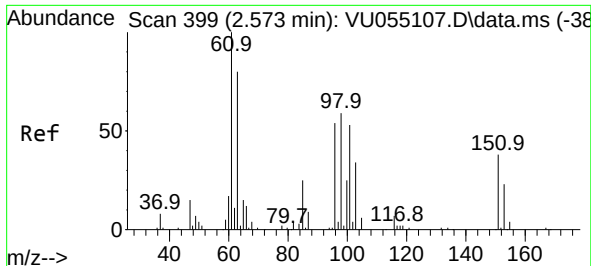
Tgt Ion: 64 Resp: 35161
Ion Ratio Lower Upper
64 100
66 31.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.603 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion:101 Resp: 77863
Ion Ratio Lower Upper
101 100
103 65.3 51.9 77.9

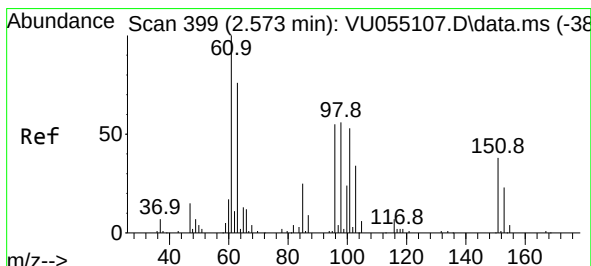
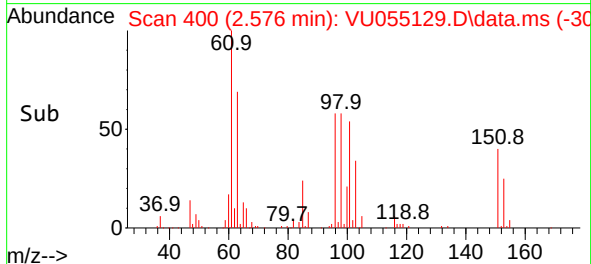
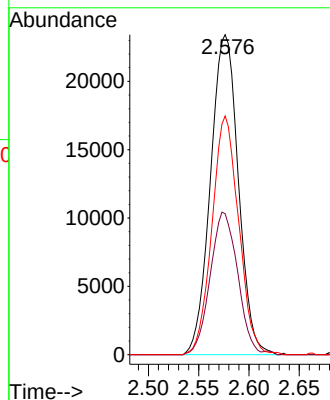
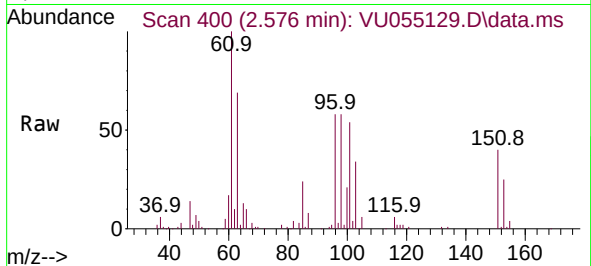




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.585 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

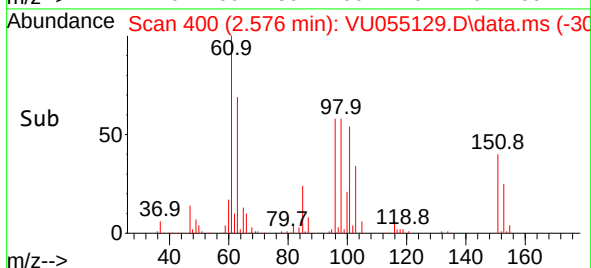
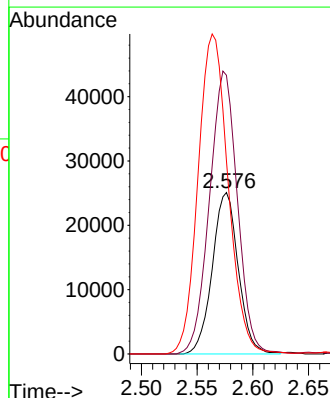
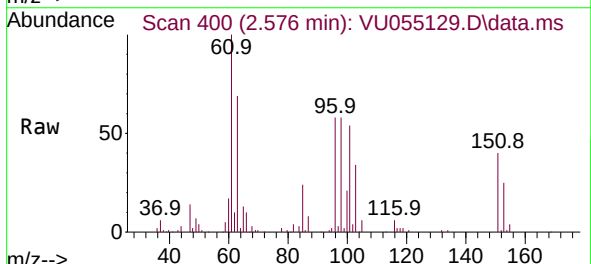
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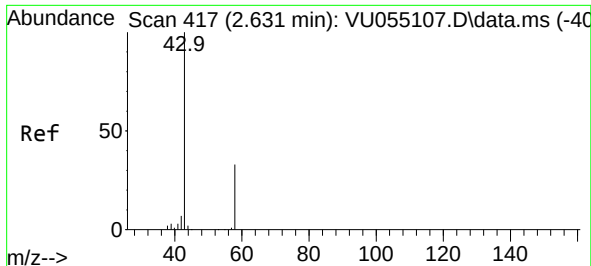
Tgt Ion:101 Resp: 45125
Ion Ratio Lower Upper
101 100
85 43.8 37.3 55.9
151 71.6 57.6 86.4



#12
1,1-Dichloroethene
Concen: 4.722 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion: 96 Resp: 40691
Ion Ratio Lower Upper
96 100
61 172.7 120.8 224.4
63 119.8 94.5 175.5





#13

Acetone

Concen: 50.088 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU055129.D

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Instrument :

MSVOA_U

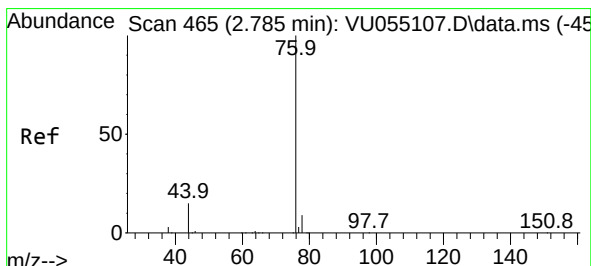
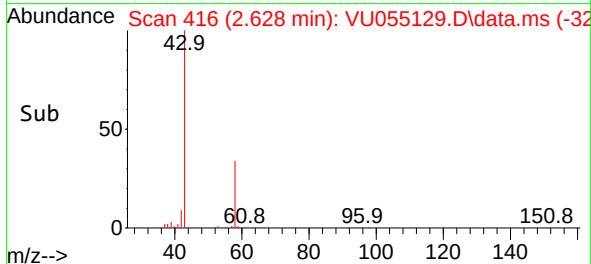
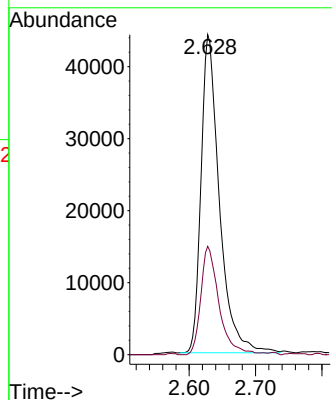
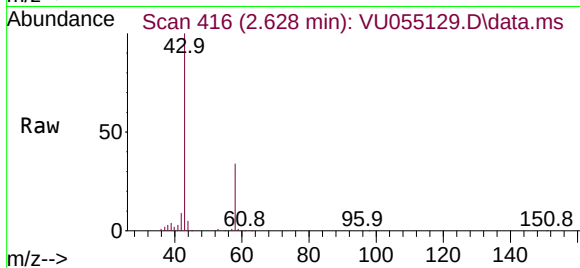
ClientSampleId :

Tgt Ion: 43 Resp: 85100

Ion Ratio Lower Upper

43 100

58 33.5 0.0 67.8



#14

Carbon disulfide

Concen: 4.711 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU055129.D

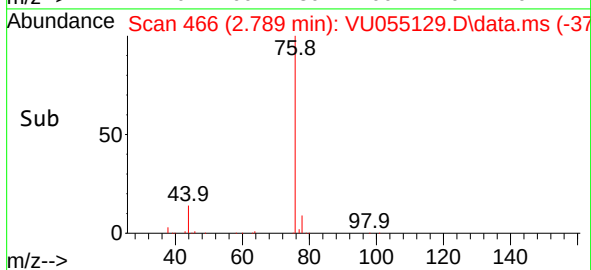
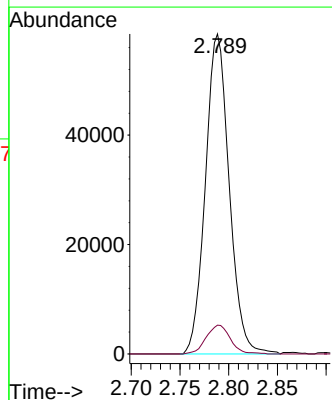
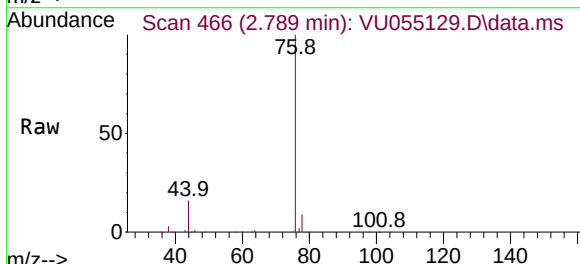
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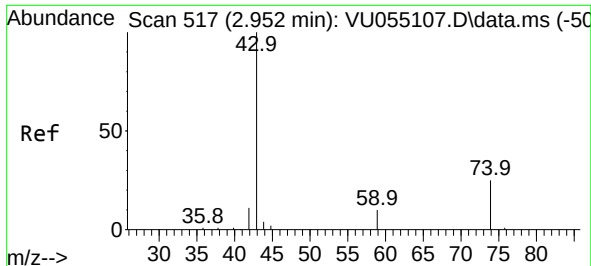
Tgt Ion: 76 Resp: 99415

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2

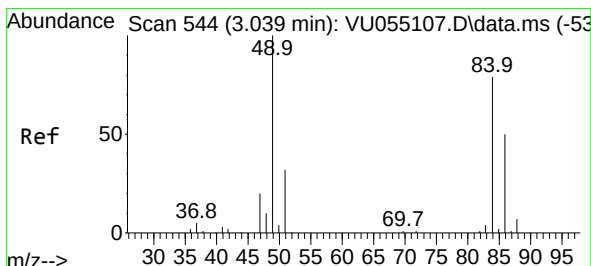
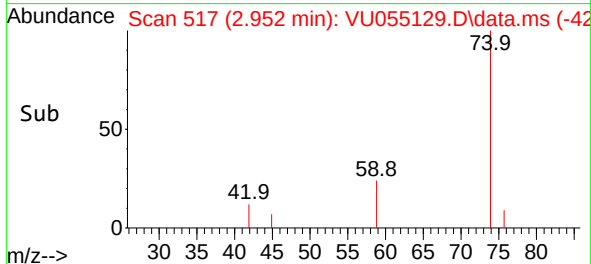
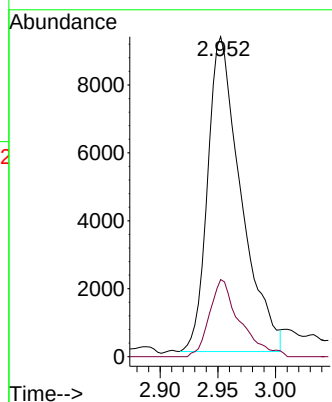
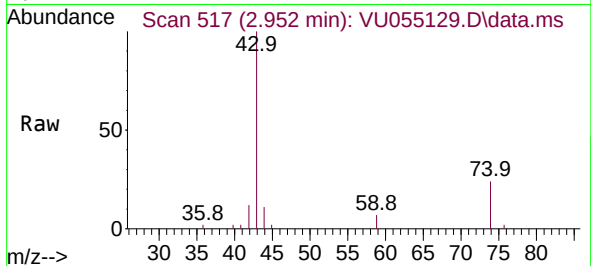




#15
Methyl Acetate
Concen: 5.351 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

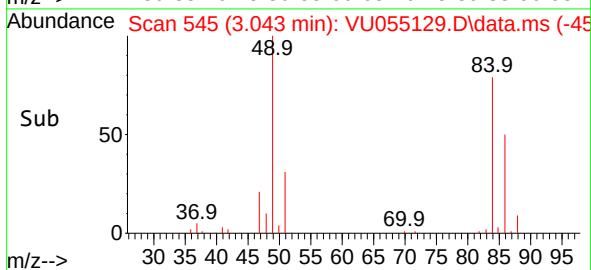
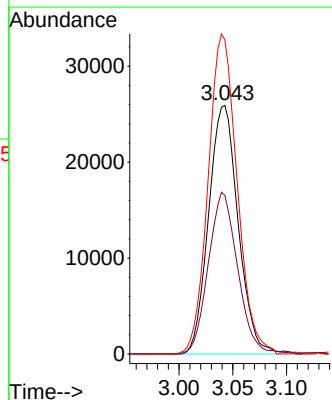
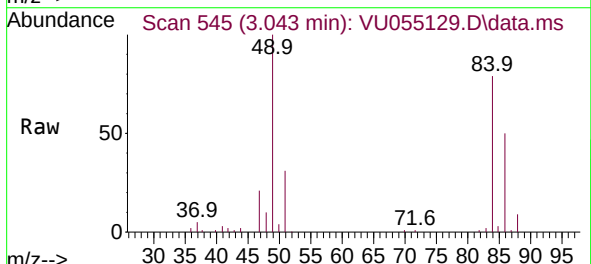
Instrument :
MSVOA_U
ClientSampleId :

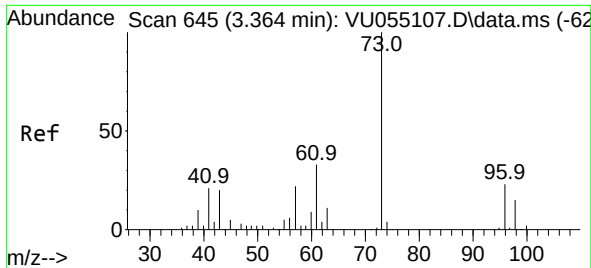
Tgt Ion: 43 Resp: 18609
Ion Ratio Lower Upper
43 100
74 22.4 18.4 27.6



#16
Methylene chloride
Concen: 3.759 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion: 84 Resp: 49496
Ion Ratio Lower Upper
84 100
86 63.8 43.4 80.6
49 126.4 87.7 162.9

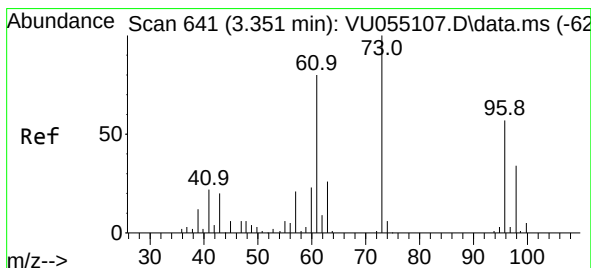
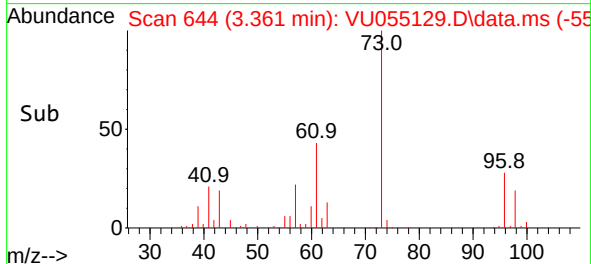
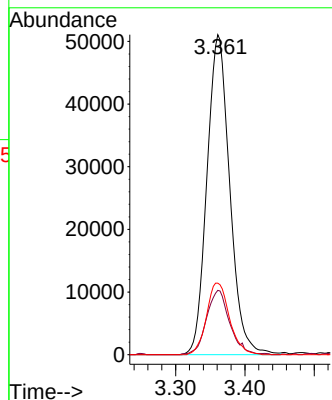
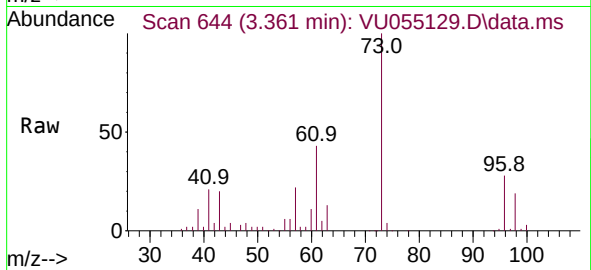




#17
Methyl tert-butyl Ether
Concen: 5.167 ug/L
RT: 3.361 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

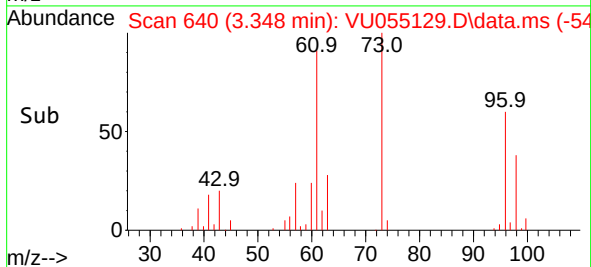
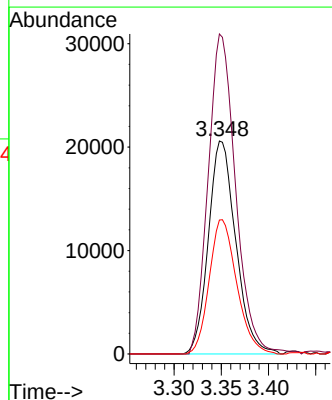
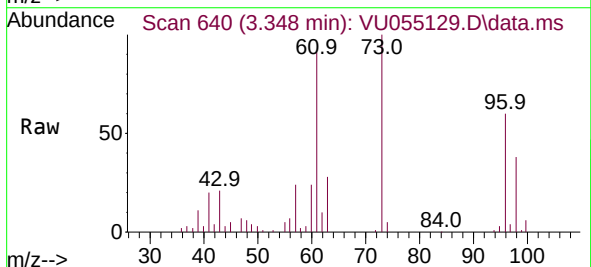
Instrument :
MSVOA_U
ClientSampleId :

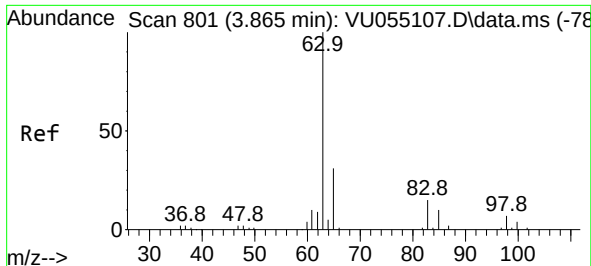
Tgt Ion: 73 Resp: 116776
Ion Ratio Lower Upper
73 100
43 20.4 16.2 24.2
57 22.5 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 4.751 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion: 96 Resp: 41534
Ion Ratio Lower Upper
96 100
61 150.2 108.1 200.9
98 62.8 45.4 84.4





#19

1,1-Dichloroethane

Concen: 4.845 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055129.D

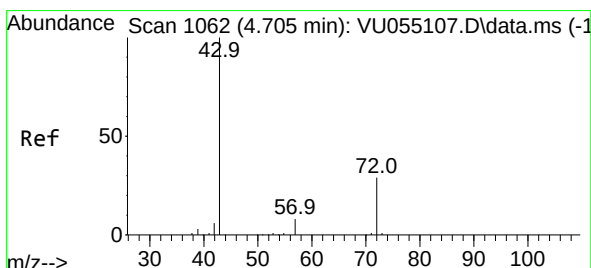
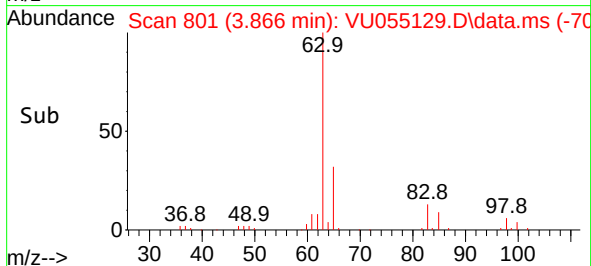
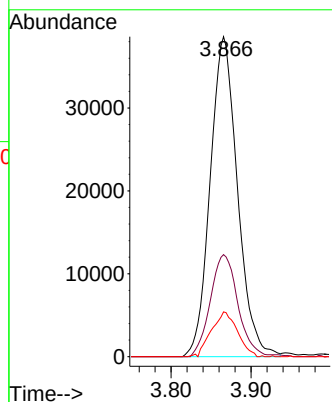
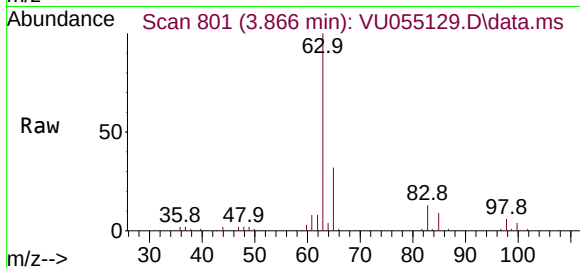
Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	91541
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.2	41.2
83	14.0	10.6	19.8



#21

2-Butanone

Concen: 55.116 ug/L

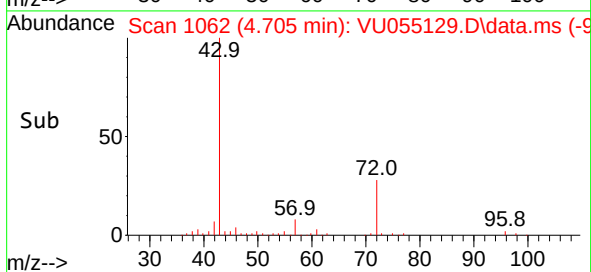
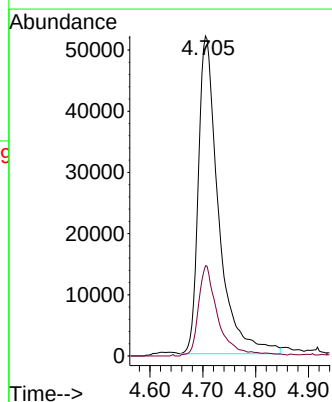
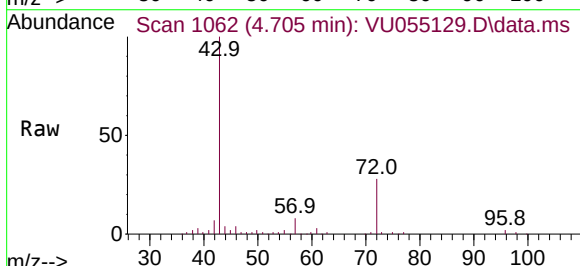
RT: 4.705 min Scan# 1062

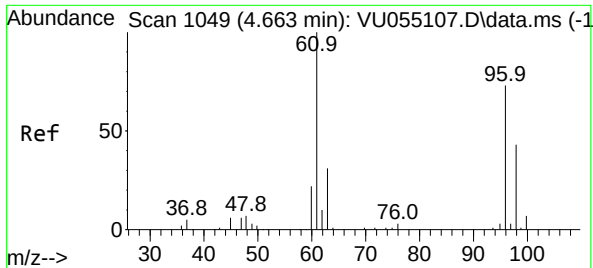
Delta R.T. 0.000 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

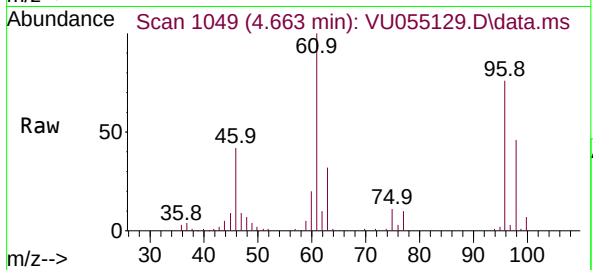
Tgt Ion:	43	Resp:	137584
Ion	Ratio	Lower	Upper
43	100		
72	27.2	13.5	40.5





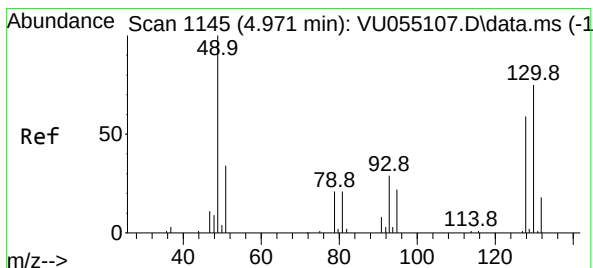
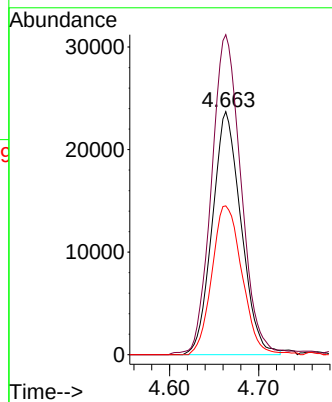
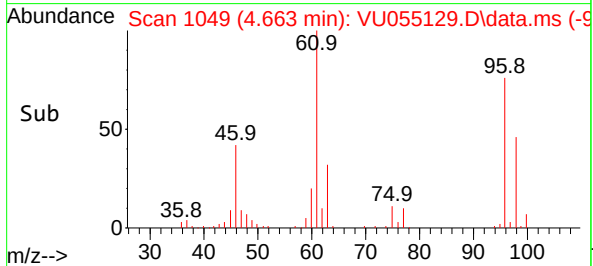
#22
 cis-1,2-Dichloroethene
 Concen: 4.976 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055129.D
 Acq: 06 Sep 2023 05:51

Instrument :
 MSVOA_U
 ClientSampleId :

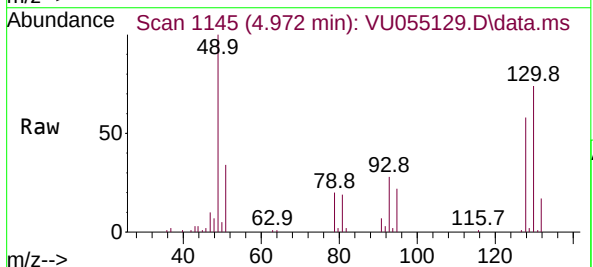


Tgt Ion: 96 Resp: 53248

Ion	Ratio	Lower	Upper
96	100		
61	131.7	97.2	180.4
98	61.2	46.1	85.7

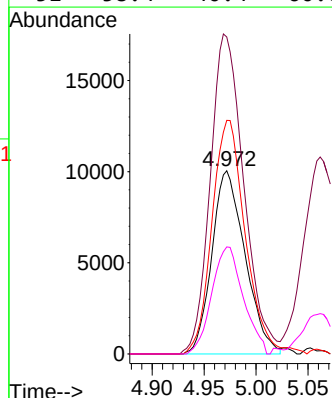
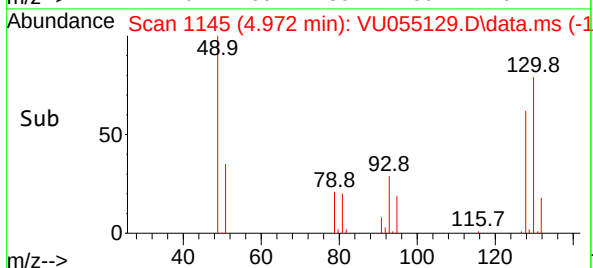


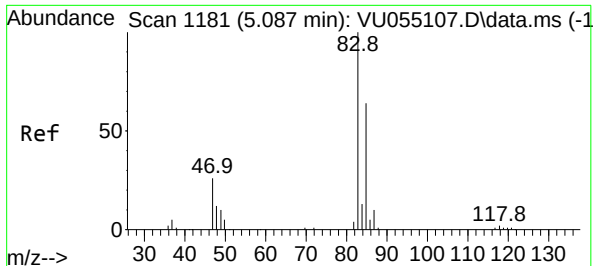
#23
 Bromochloromethane
 Concen: 5.075 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU055129.D
 Acq: 06 Sep 2023 05:51



Tgt Ion: 128 Resp: 22336

Ion	Ratio	Lower	Upper
128	100		
49	173.0	118.9	220.9
130	127.6	88.0	163.4
51	58.4	40.4	60.6





#25

Chloroform

Concen: 5.133 ug/L

RT: 5.084 min Scan# 1181

Delta R.T. -0.003 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

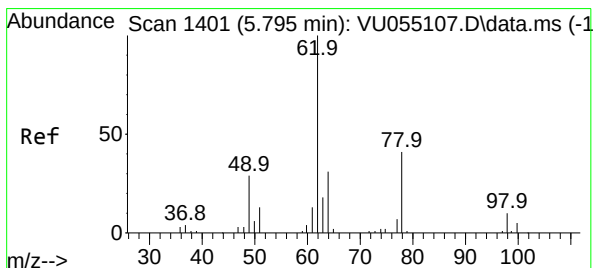
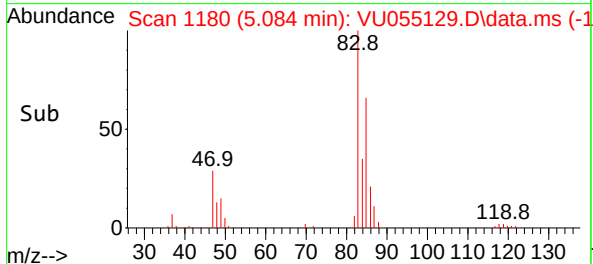
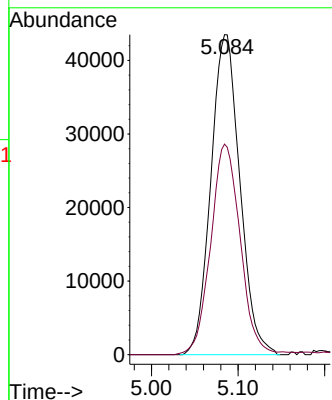
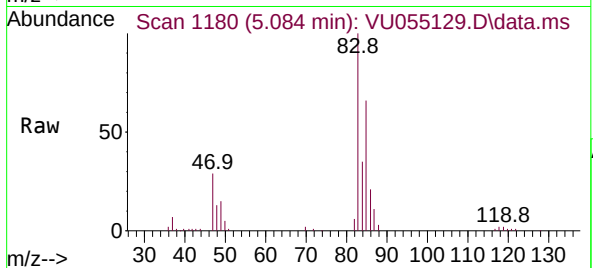
ClientSampleId :

Tgt Ion: 83 Resp: 100998

Ion Ratio Lower Upper

83 100

85 65.8 47.2 87.6



#27

1,2-Dichloroethane

Concen: 5.051 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.003 min

Lab File: VU055129.D

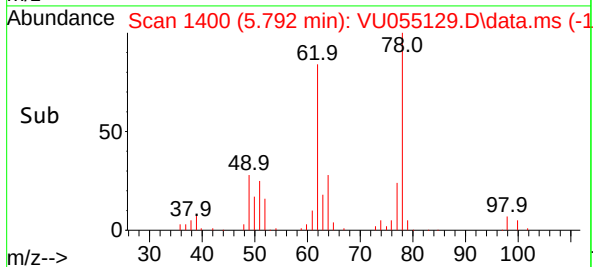
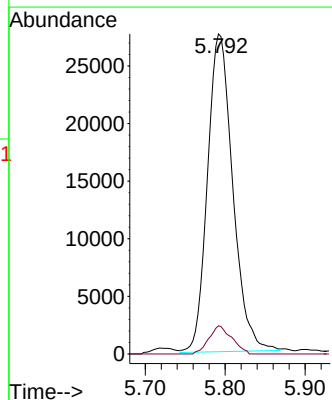
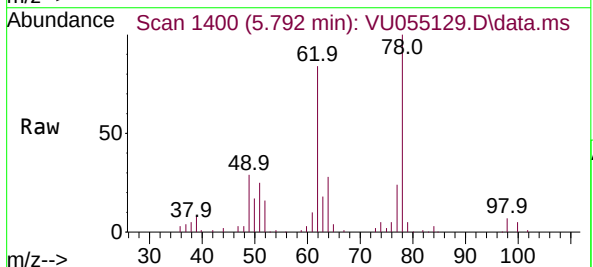
Acq: 06 Sep 2023 05:51

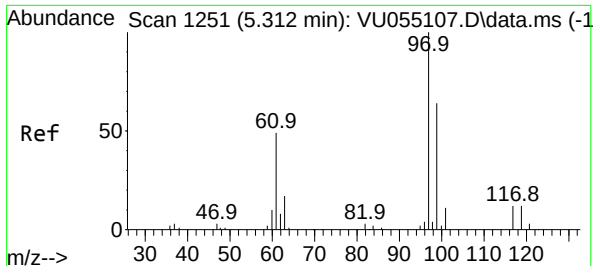
Tgt Ion: 62 Resp: 60658

Ion Ratio Lower Upper

62 100

98 8.8 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 4.799 ug/L

RT: 5.313 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

ClientSampleId :

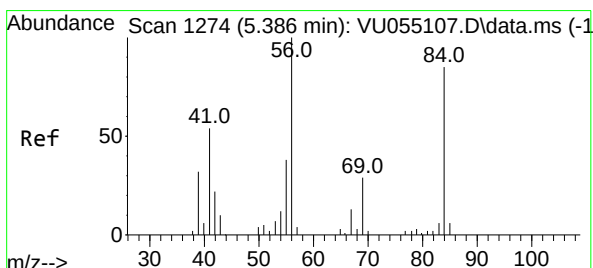
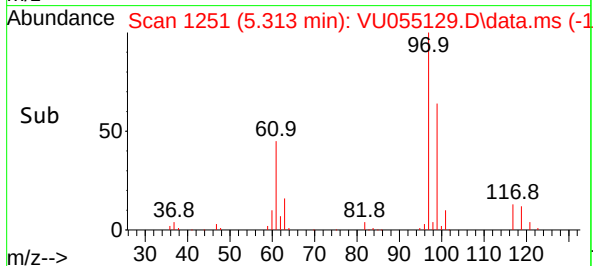
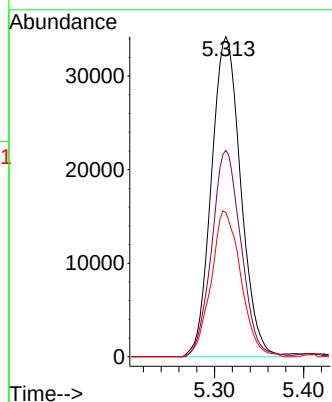
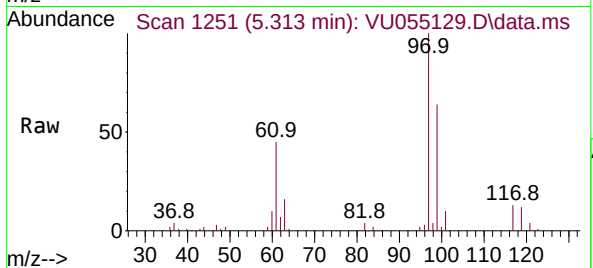
Tgt Ion: 97 Resp: 78236

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

61 46.1 36.8 55.2



#30

Cyclohexane

Concen: 4.512 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.003 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

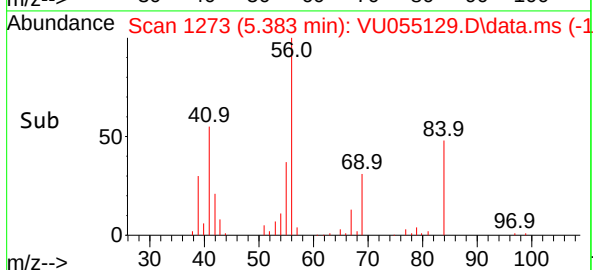
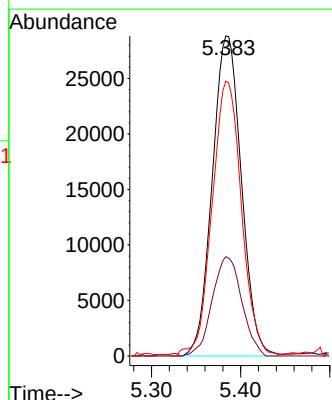
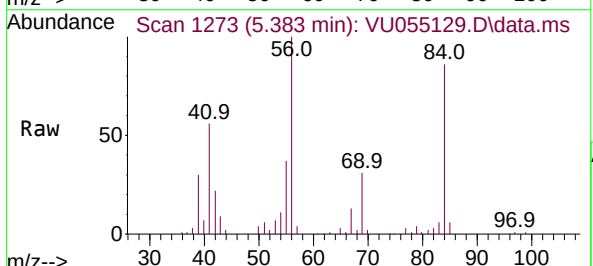
Tgt Ion: 56 Resp: 65404

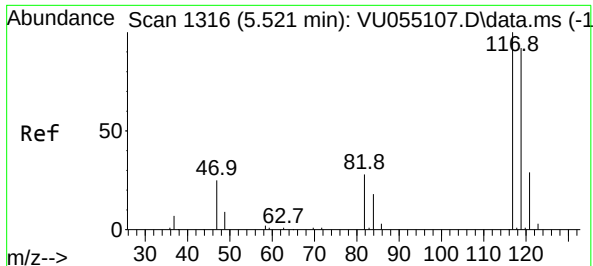
Ion Ratio Lower Upper

56 100

69 31.5 24.6 37.0

84 86.8 68.8 103.2

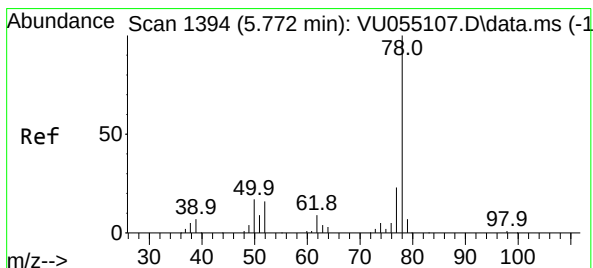
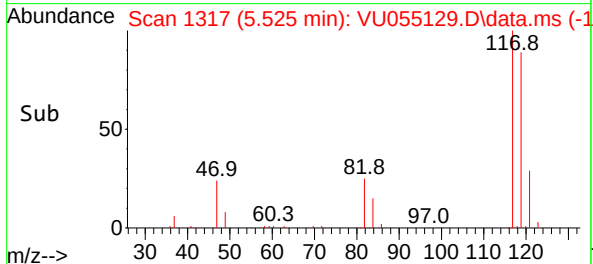
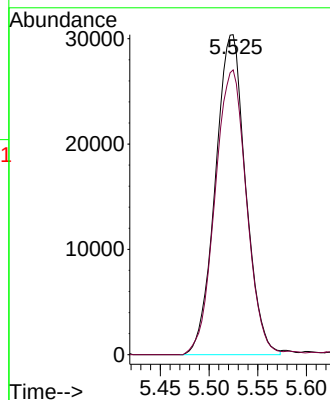
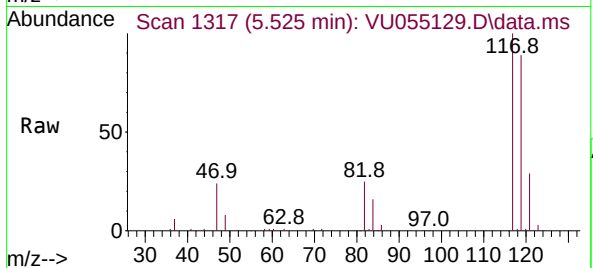




#31
Carbon tetrachloride
Concen: 4.850 ug/L
RT: 5.525 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

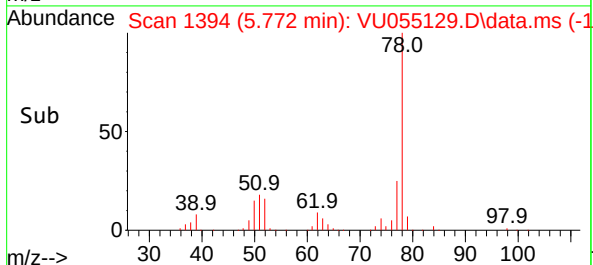
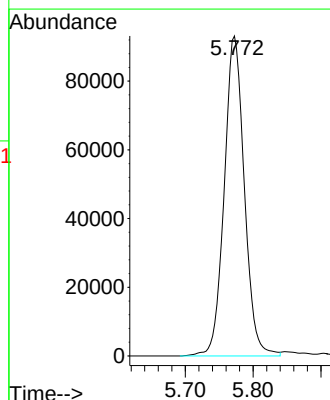
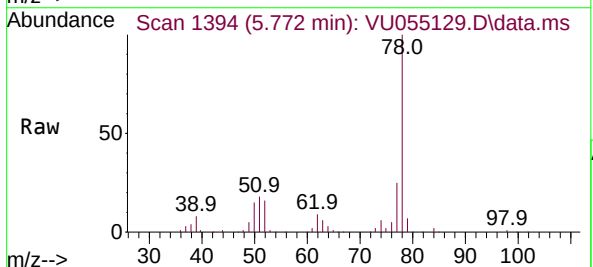
Instrument :
MSVOA_U
ClientSampleId :

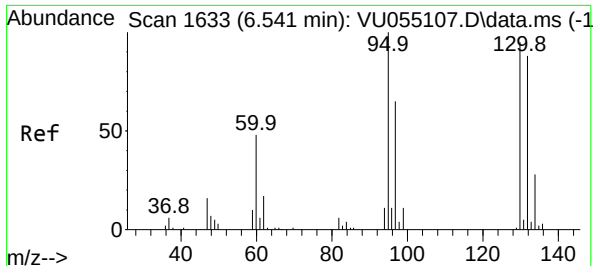
Tgt Ion:117 Resp: 65752
Ion Ratio Lower Upper
117 100
119 92.3 75.4 113.0



#33
Benzene
Concen: 4.794 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

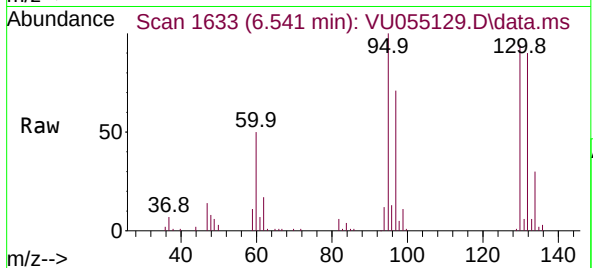
Tgt Ion: 78 Resp: 192307



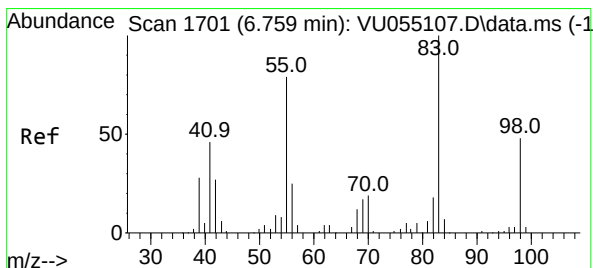
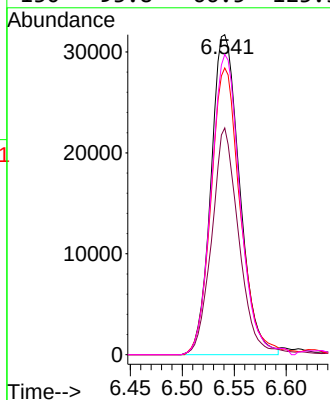
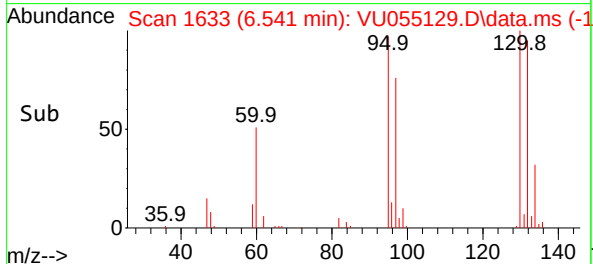


#34
Trichloroethene
Concen: 5.452 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

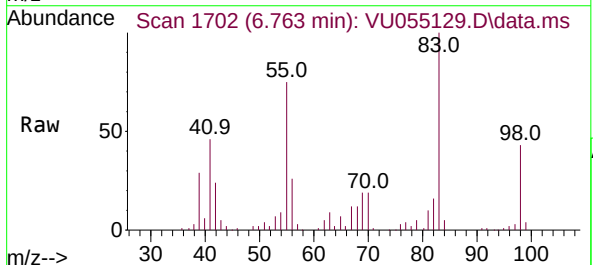
Instrument :
MSVOA_U
ClientSampleId :



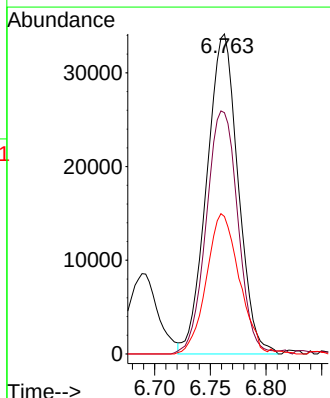
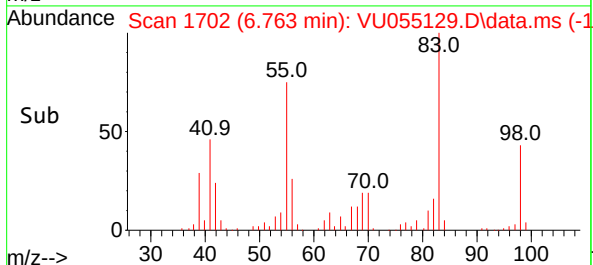
Tgt Ion: 95 Resp: 60777
Ion Ratio Lower Upper
95 100
97 70.9 44.7 83.1
132 89.6 66.6 123.6
130 93.8 66.5 123.5

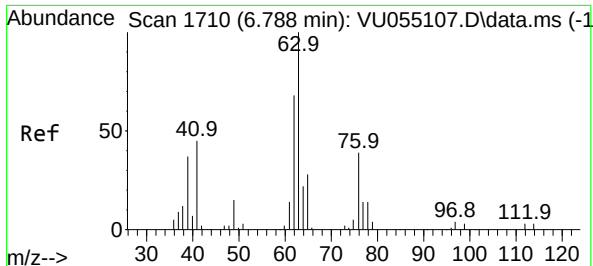


#35
Methylcyclohexane
Concen: 4.282 ug/L
RT: 6.763 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51



Tgt Ion: 83 Resp: 66975
Ion Ratio Lower Upper
83 100
55 76.6 60.4 90.6
98 45.6 35.3 52.9

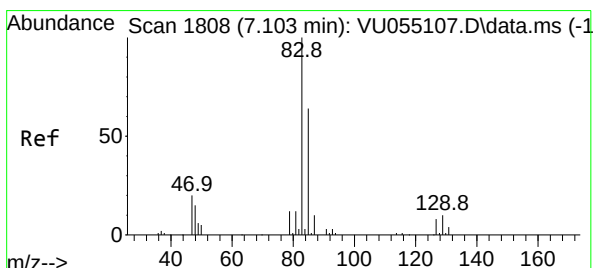
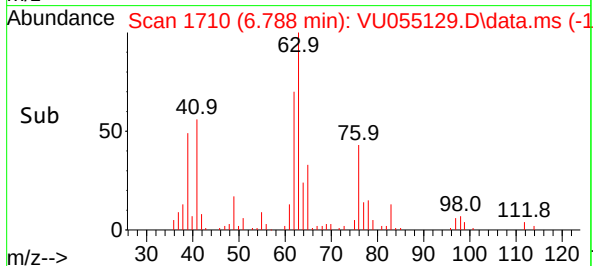
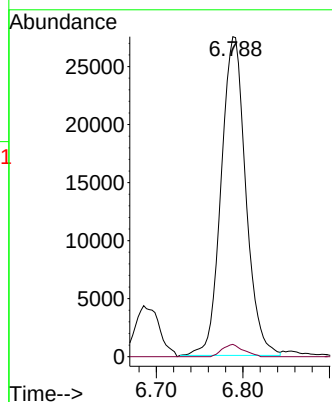
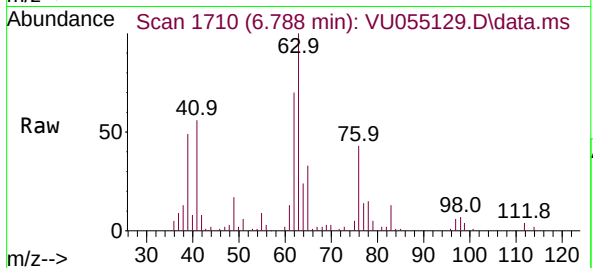




#37
1,2-Dichloropropane
Concen: 4.973 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

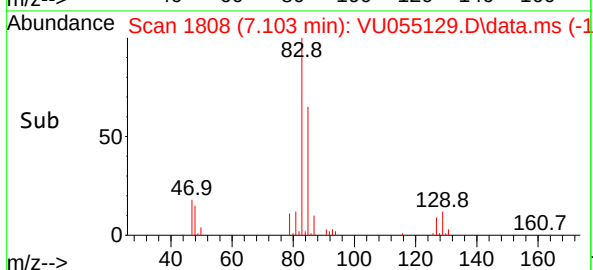
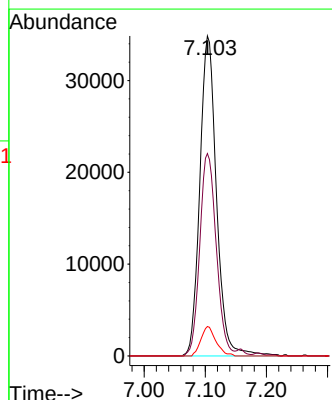
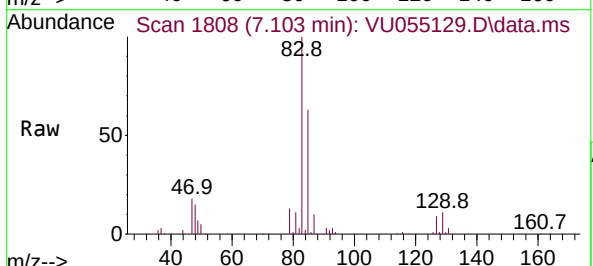
Instrument :
MSVOA_U
ClientSampleId :

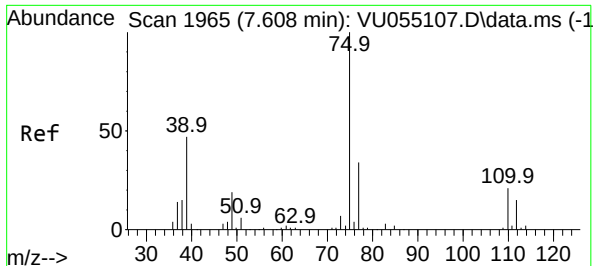
Tgt Ion: 63 Resp: 54303
Ion Ratio Lower Upper
63 100
112 3.3 3.2 4.8



#38
Bromodichloromethane
Concen: 5.071 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion: 83 Resp: 66120
Ion Ratio Lower Upper
83 100
85 63.3 44.9 83.5
127 9.2 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 4.297 ug/L

RT: 7.605 min Scan# 1965

Delta R.T. -0.003 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

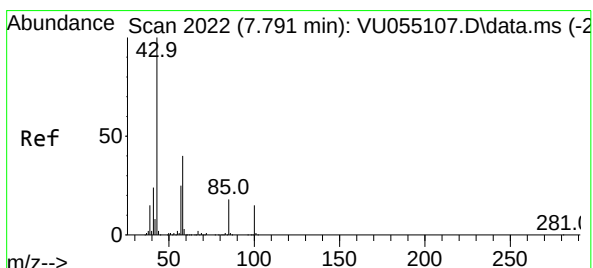
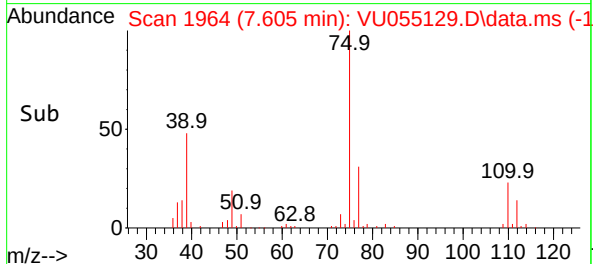
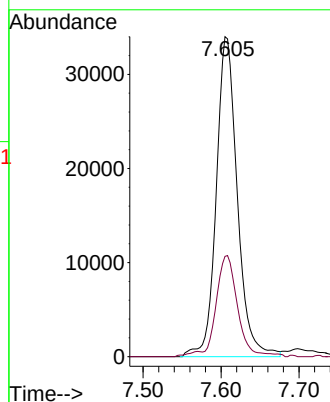
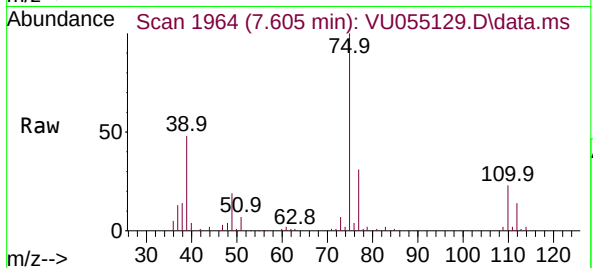
ClientSampleId :

Tgt Ion: 75 Resp: 63820

Ion Ratio Lower Upper

75 100

77 31.3 20.9 38.9



#40

4-Methyl-2-pentanone

Concen: 53.798 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.003 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

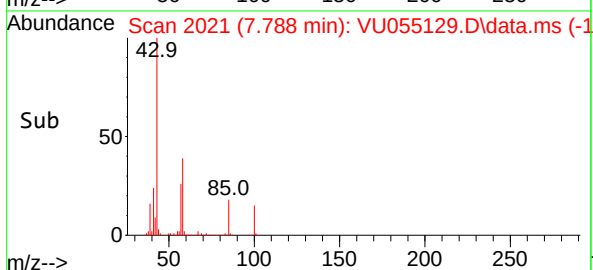
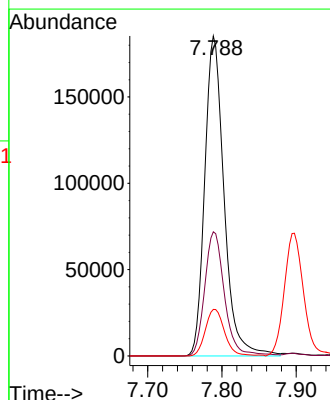
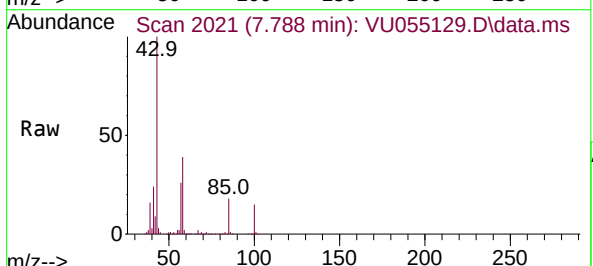
Tgt Ion: 43 Resp: 335125

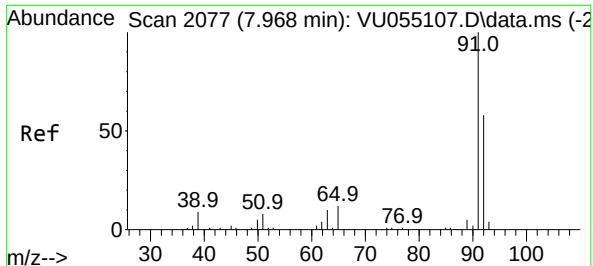
Ion Ratio Lower Upper

43 100

58 39.7 31.5 47.3

100 14.5 11.8 17.8

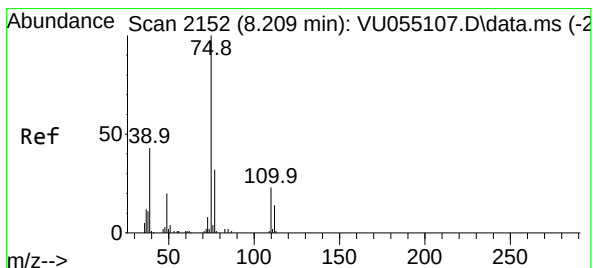
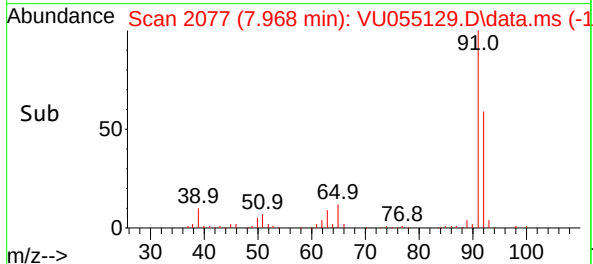
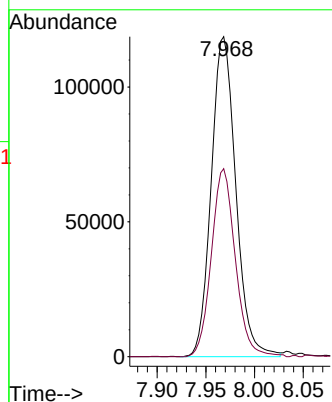
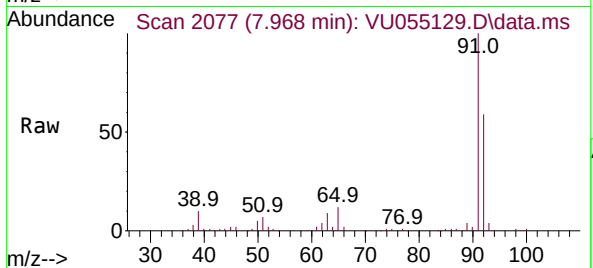




#42
Toluene
Concen: 4.870 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

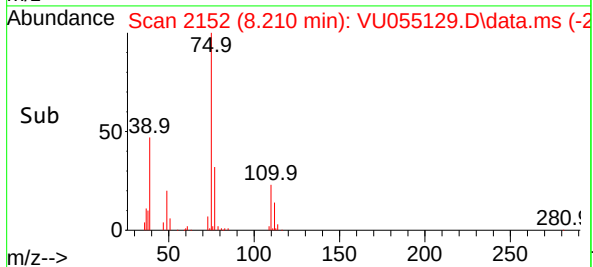
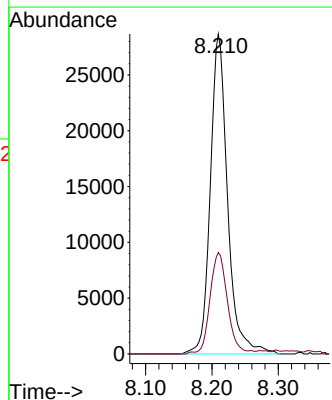
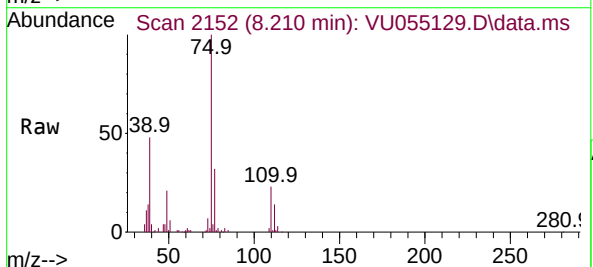
Instrument :
MSVOA_U
ClientSampleId :

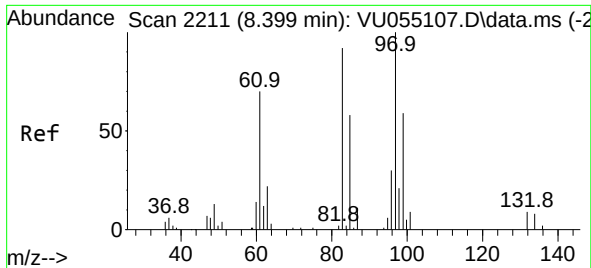
Tgt Ion: 91 Resp: 208239
Ion Ratio Lower Upper
91 100
92 58.7 41.9 77.9



#44
trans-1,3-Dichloropropene
Concen: 4.439 ug/L
RT: 8.210 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion: 75 Resp: 51757
Ion Ratio Lower Upper
75 100
77 31.7 20.5 38.1

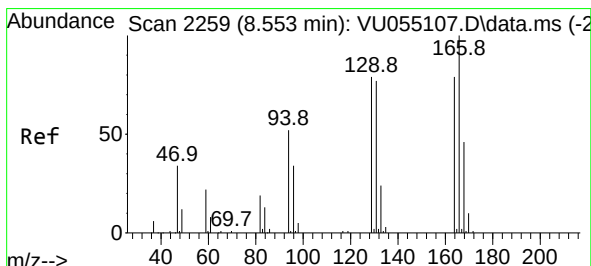
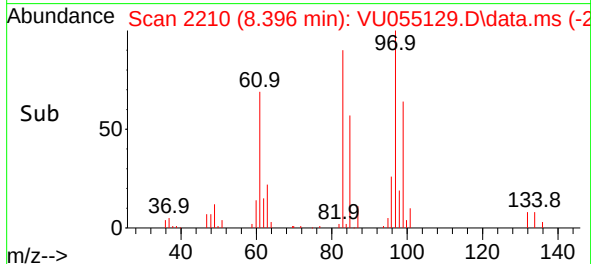
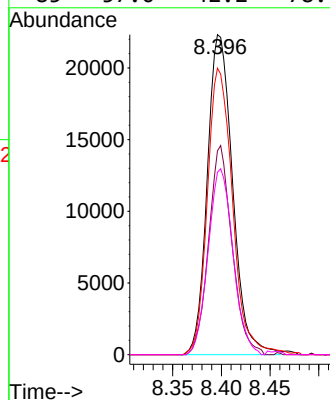
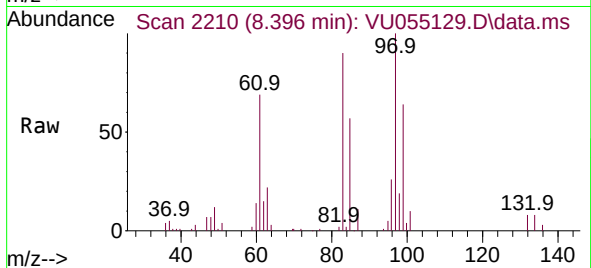




#45
1,1,2-Trichloroethane
Concen: 5.496 ug/L
RT: 8.396 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

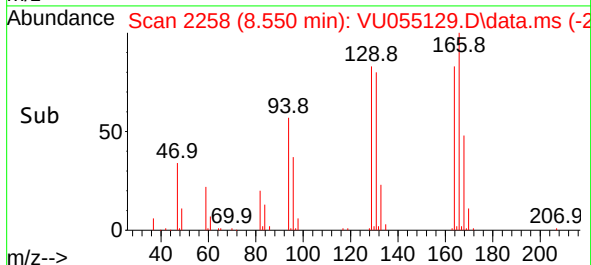
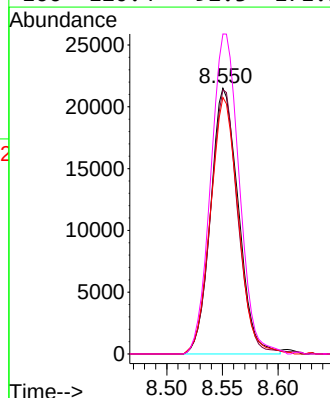
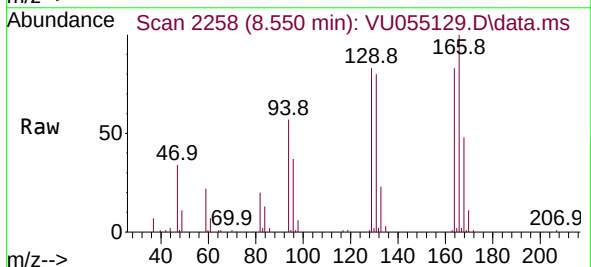
Instrument :
MSVOA_U
ClientSampleId :

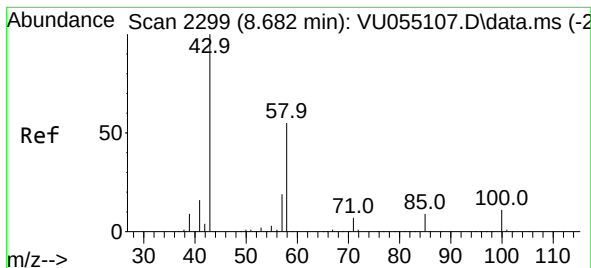
Tgt Ion:	97	Resp:	40427
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.9	83.5
83	89.5	66.9	124.3
85	57.0	42.2	78.4



#47
Tetrachloroethene
Concen: 4.831 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion:	164	Resp:	37224
Ion	Ratio	Lower	Upper
164	100		
129	99.4	69.2	128.6
131	96.5	68.8	127.8
166	120.4	92.3	171.5





#48

2-Hexanone

Concen: 53.949 ug/L

RT: 8.682 min Scan# 21

Delta R.T. 0.000 min

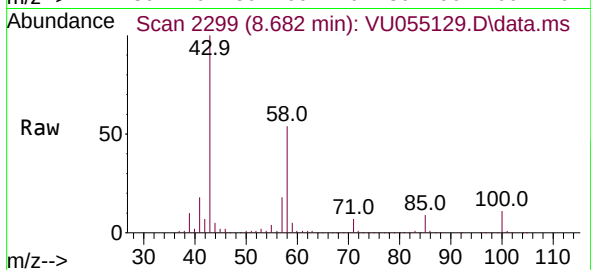
Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 263237

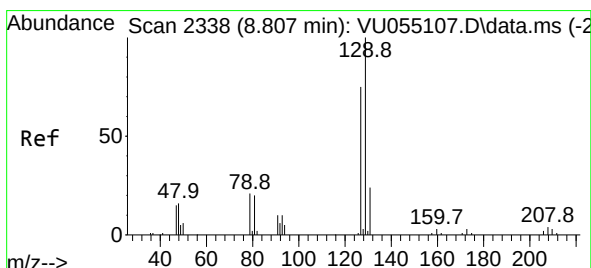
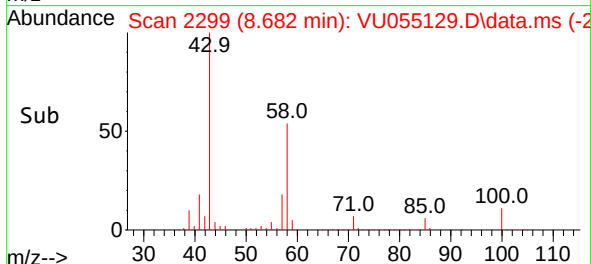
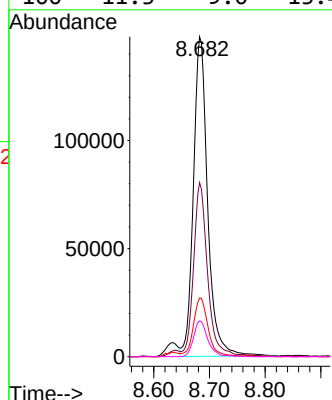
Ion Ratio Lower Upper

43 100

58 52.6 44.0 66.0

57 18.5 16.2 24.2

100 11.3 9.0 13.4



#49

Dibromochloromethane

Concen: 4.952 ug/L

RT: 8.808 min Scan# 2338

Delta R.T. 0.000 min

Lab File: VU055129.D

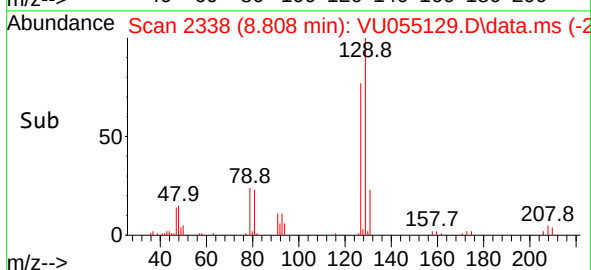
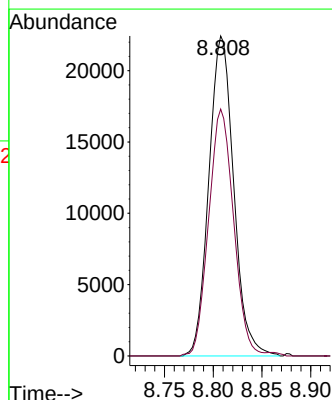
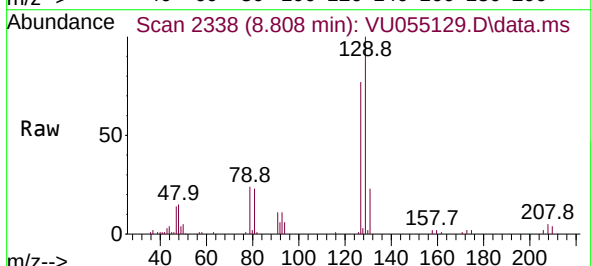
Acq: 06 Sep 2023 05:51

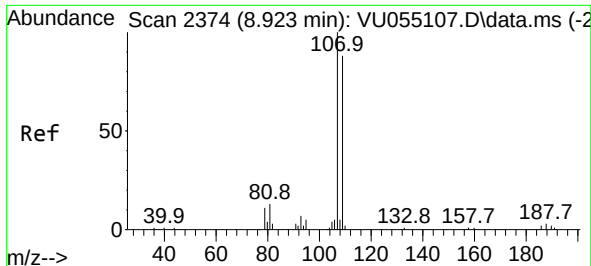
Tgt Ion:129 Resp: 39765

Ion Ratio Lower Upper

129 100

127 77.2 55.9 103.7





#50

1,2-Dibromoethane

Concen: 5.422 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

ClientSampleId :

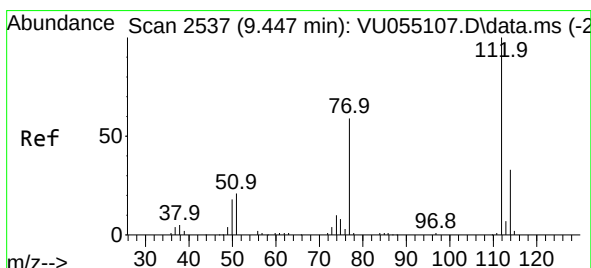
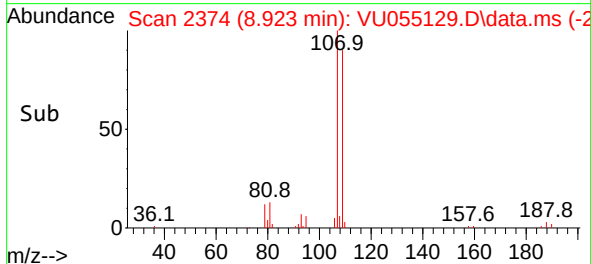
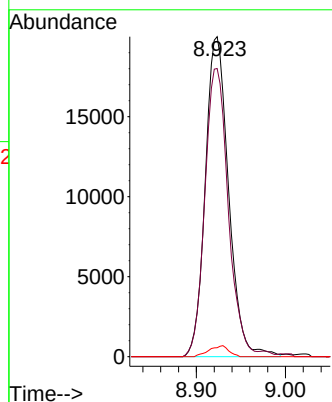
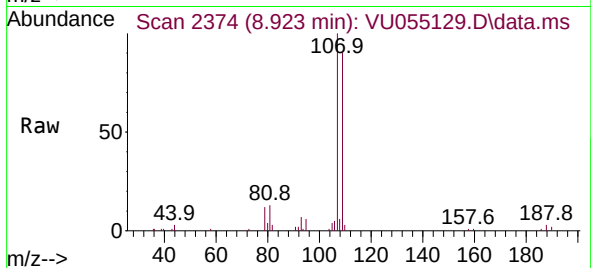
Tgt Ion:107 Resp: 36315

Ion Ratio Lower Upper

107 100

109 90.0 71.4 132.6

188 2.8 3.1 4.7#



#51

Chlorobenzene

Concen: 4.785 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.003 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

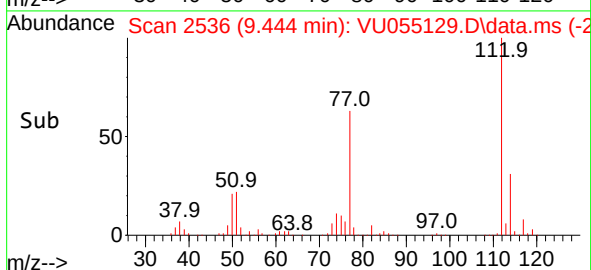
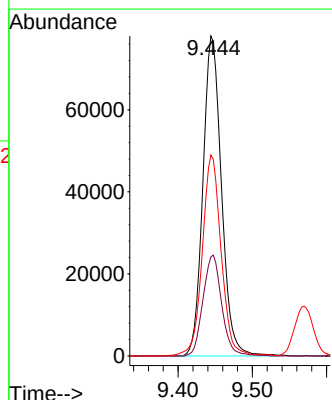
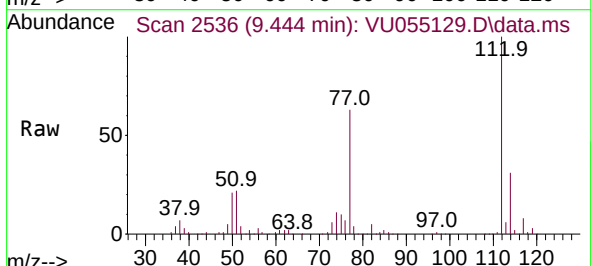
Tgt Ion:112 Resp: 135528

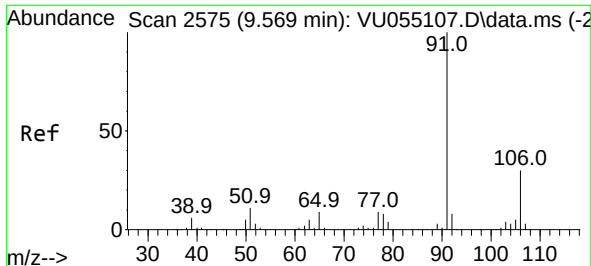
Ion Ratio Lower Upper

112 100

114 31.0 21.7 40.3

77 62.8 48.6 72.8

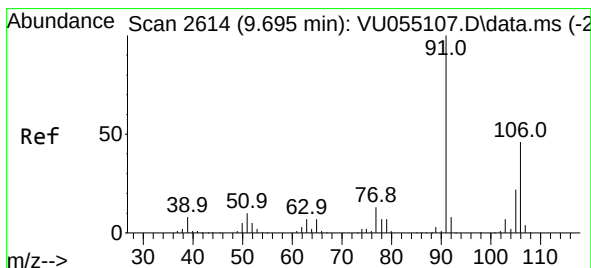
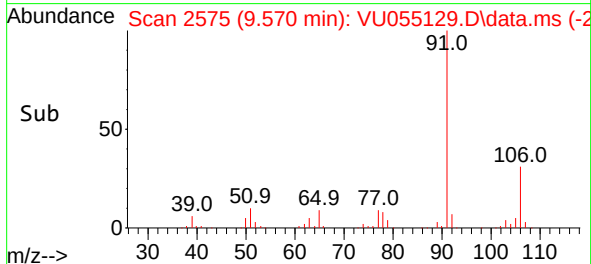
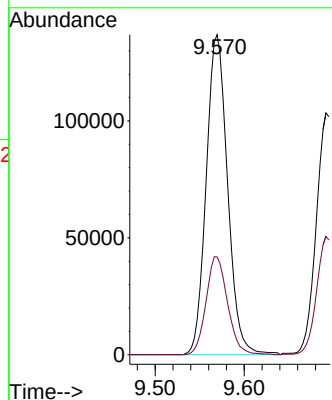
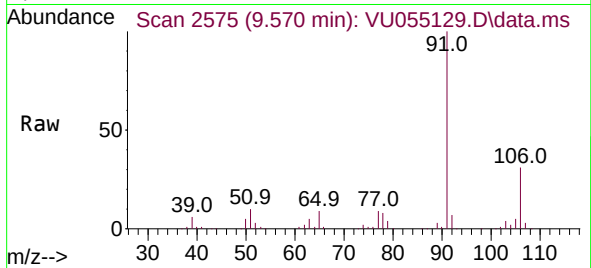




#52
Ethylbenzene
Concen: 4.765 ug/L
RT: 9.570 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

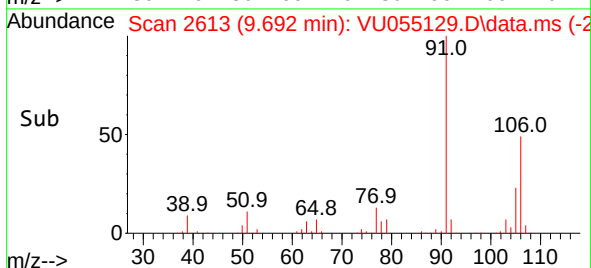
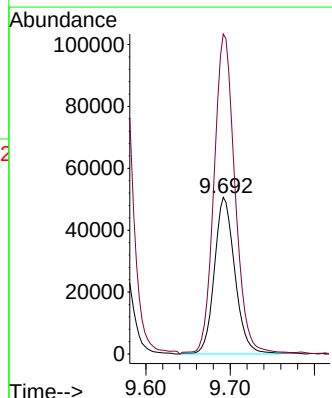
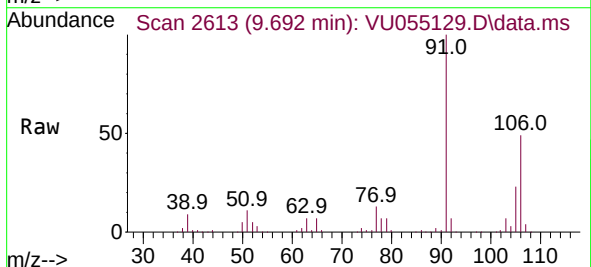
Instrument :
MSVOA_U
ClientSampleId :

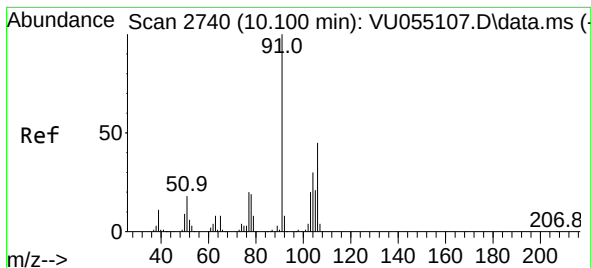
Tgt Ion: 91 Resp: 227963
Ion Ratio Lower Upper
91 100
106 30.6 21.5 39.9



#53
m,p-Xylene
Concen: 4.813 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.003 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion: 106 Resp: 85208
Ion Ratio Lower Upper
106 100
91 204.3 148.3 275.5





#54

o-Xylene

Concen: 4.785 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

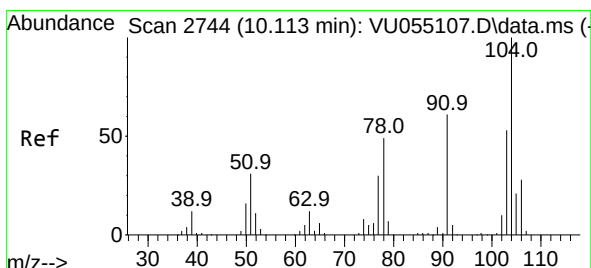
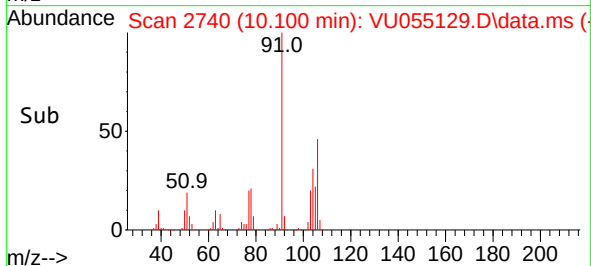
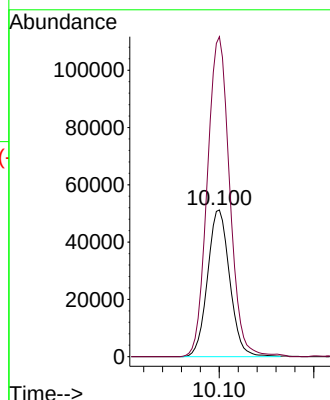
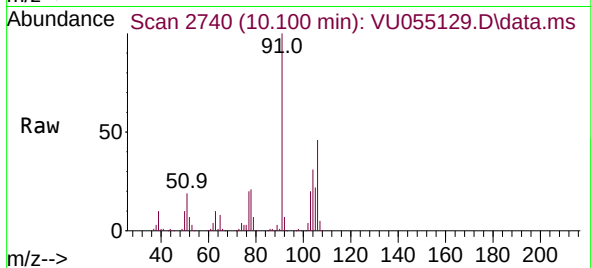
ClientSampleId :

Tgt Ion:106 Resp: 83359

Ion Ratio Lower Upper

106 100

91 218.2 152.9 284.1



#55

Styrene

Concen: 4.897 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU055129.D

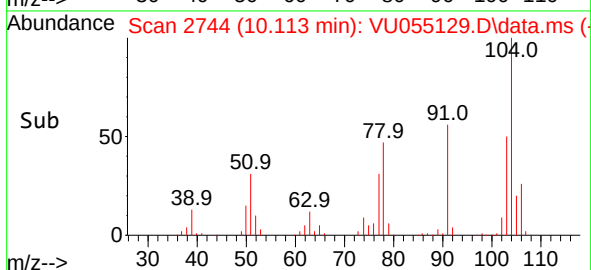
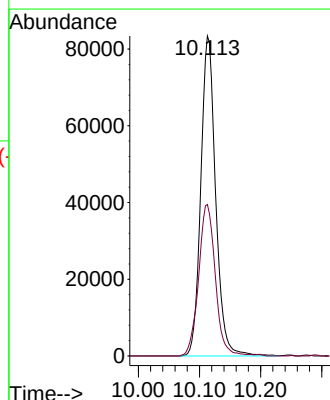
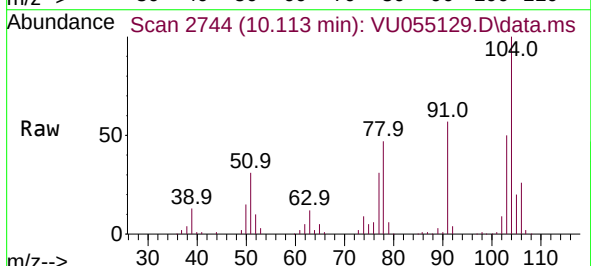
Acq: 06 Sep 2023 05:51

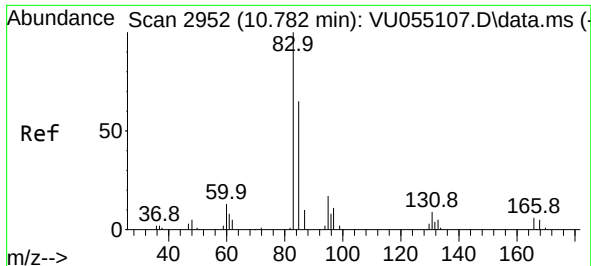
Tgt Ion:104 Resp: 140873

Ion Ratio Lower Upper

104 100

78 47.3 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.852 ug/L

RT: 10.779 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU055129.D

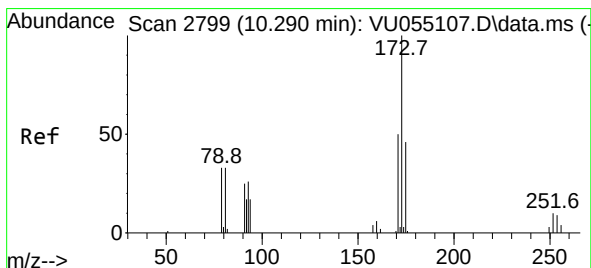
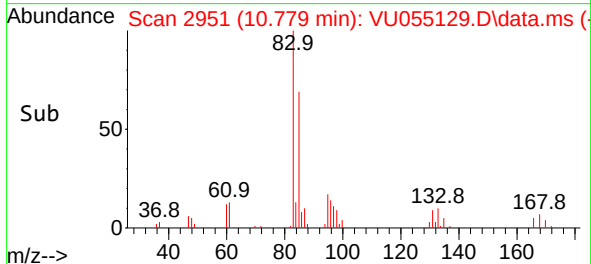
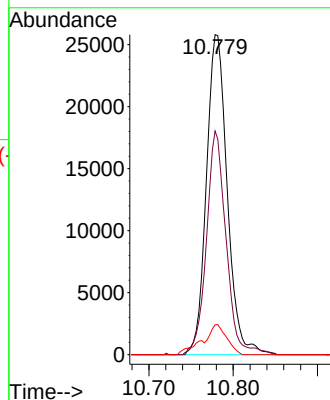
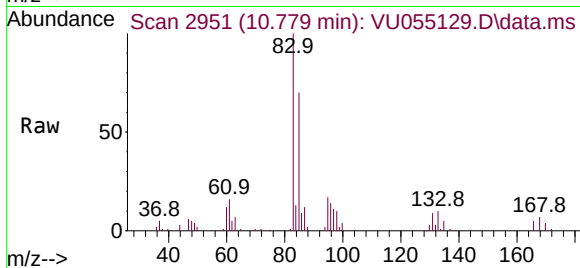
Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 44456
Ion Ratio	Lower Upper
83 100	
85 69.9	42.4 78.6
131 9.4	7.6 11.4



#59

Bromoform

Concen: 5.005 ug/L

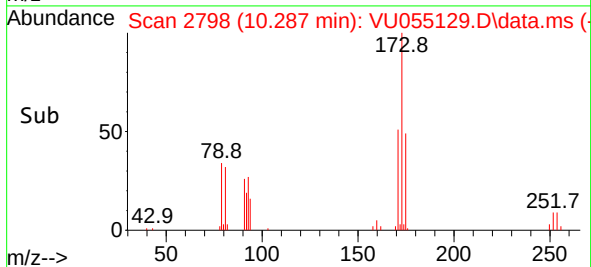
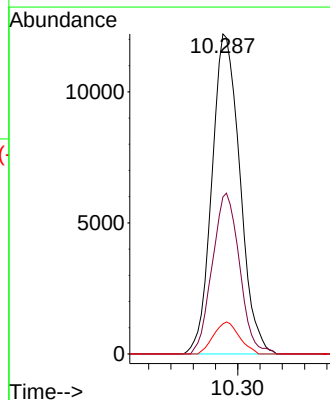
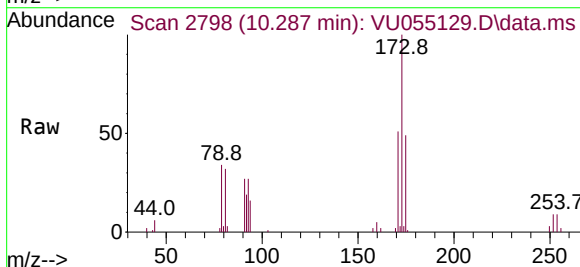
RT: 10.287 min Scan# 2798

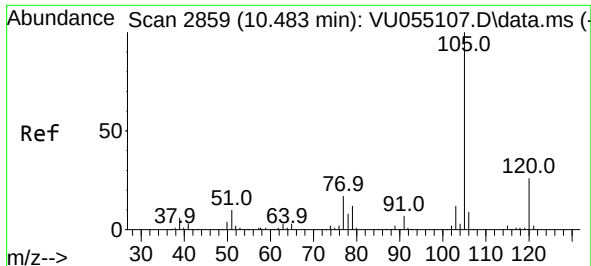
Delta R.T. -0.003 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Tgt Ion: 173	Resp: 21274
Ion Ratio	Lower Upper
173 100	
175 48.9	40.9 61.3
254 9.2	7.0 10.4

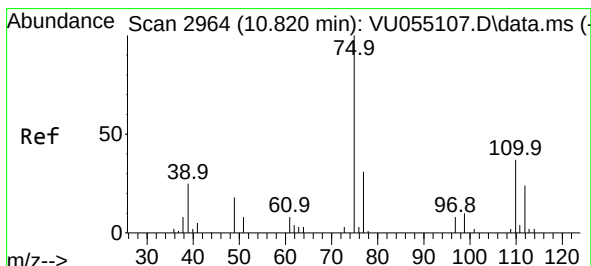
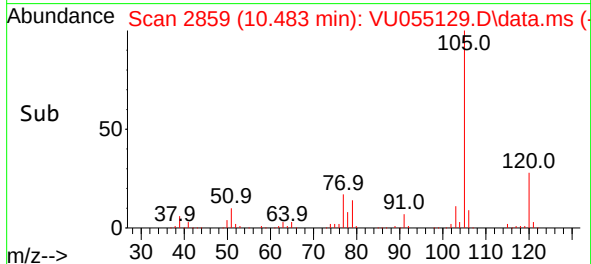
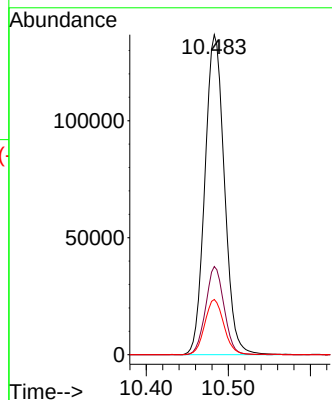
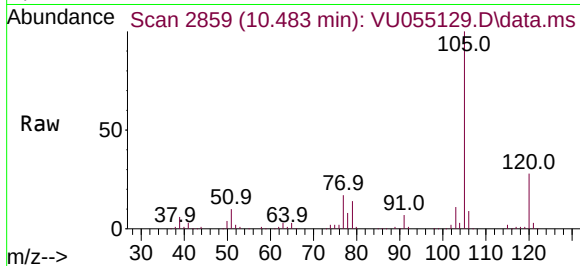




#60
Isopropylbenzene
Concen: 4.552 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

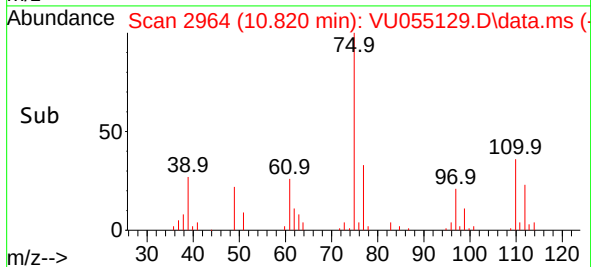
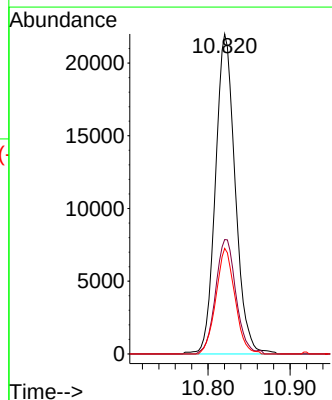
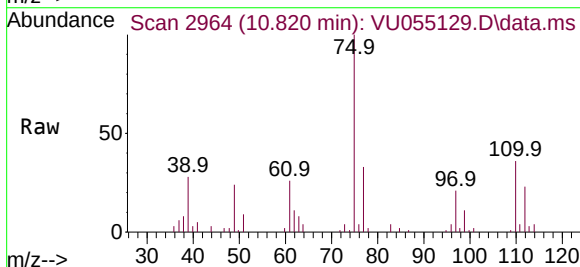
Instrument :
MSVOA_U
ClientSampleId :

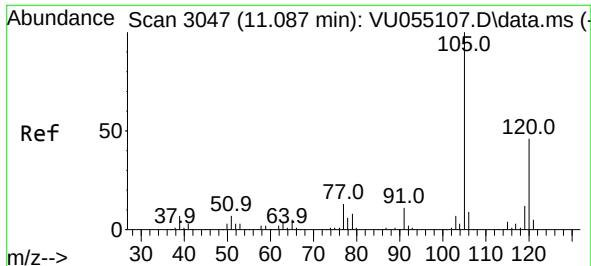
Tgt Ion:105 Resp: 225807
Ion Ratio Lower Upper
105 100
120 26.0 20.1 30.1
77 17.0 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 5.221 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion: 75 Resp: 36860
Ion Ratio Lower Upper
75 100
110 36.9 28.2 42.2
77 31.9 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 4.441 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

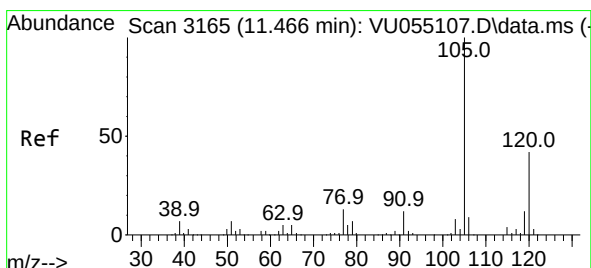
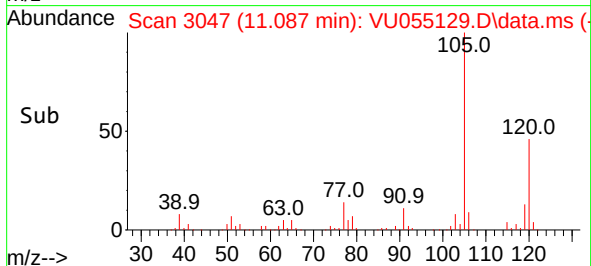
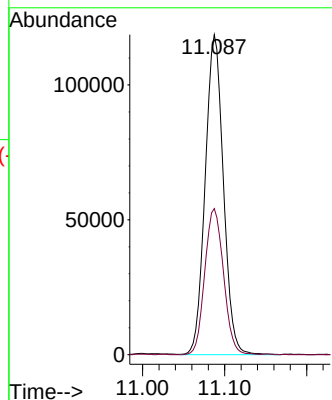
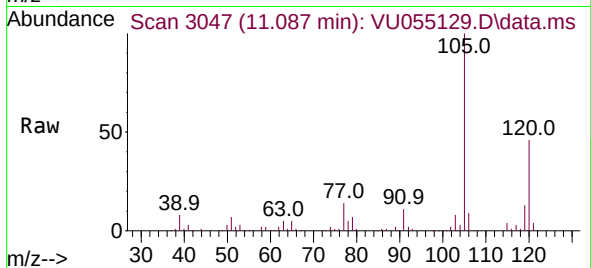
ClientSampleId :

Tgt Ion:105 Resp: 183278

Ion Ratio Lower Upper

105 100

120 47.1 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.295 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055129.D

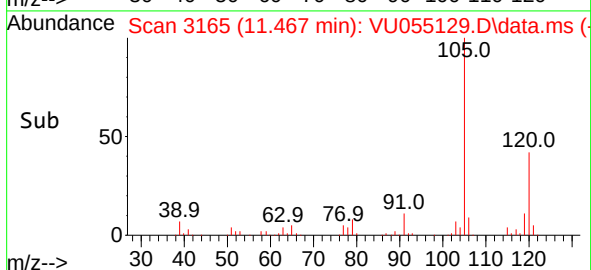
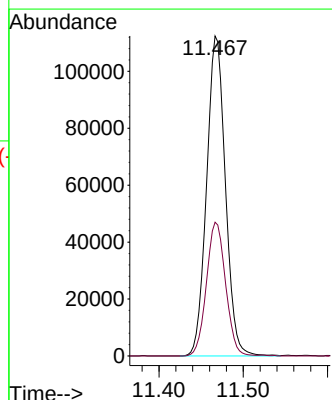
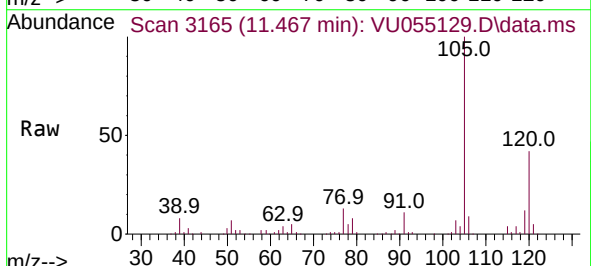
Acq: 06 Sep 2023 05:51

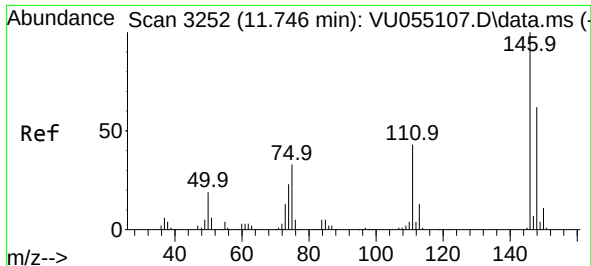
Tgt Ion:105 Resp: 174663

Ion Ratio Lower Upper

105 100

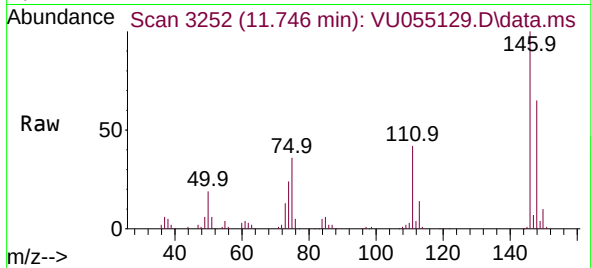
120 42.5 35.4 53.0



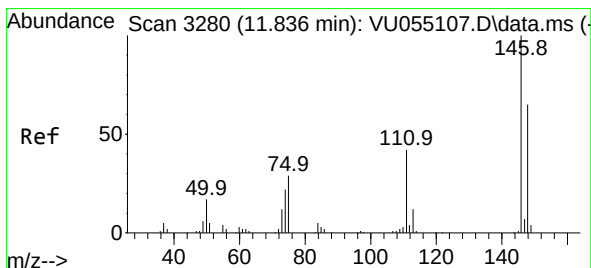
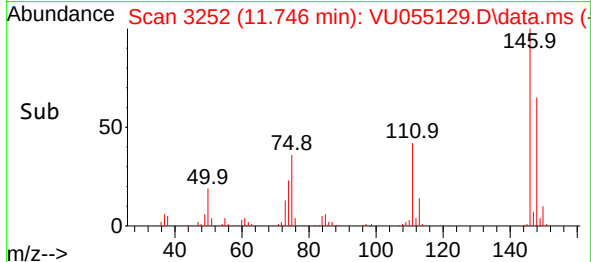
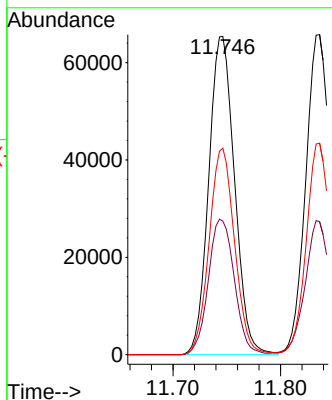


#64
1,3-Dichlorobenzene
Concen: 4.577 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Instrument :
MSVOA_U
ClientSampleId :

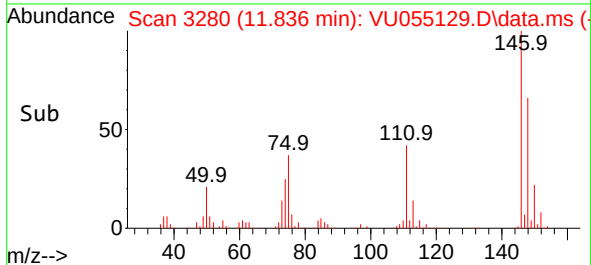
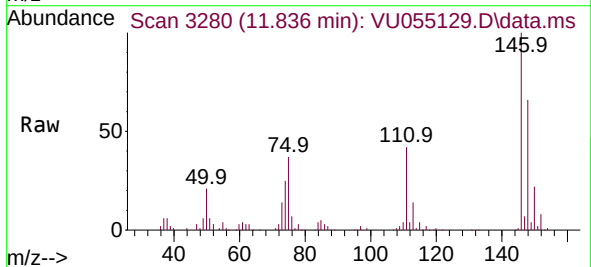
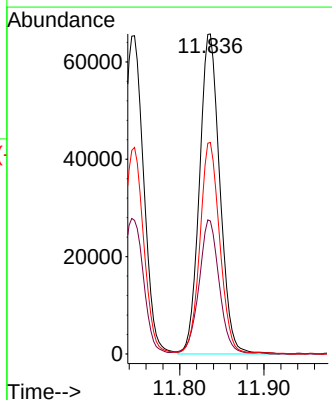


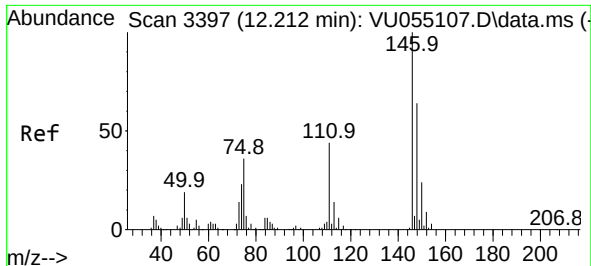
Tgt Ion:146 Resp: 108990
Ion Ratio Lower Upper
146 100
111 42.0 30.0 55.6
148 64.9 45.2 84.0



#65
1,4-Dichlorobenzene
Concen: 4.663 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU055129.D
Acq: 06 Sep 2023 05:51

Tgt Ion:146 Resp: 110664
Ion Ratio Lower Upper
146 100
111 41.5 28.1 52.1
148 66.1 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 4.687 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

ClientSampleId :

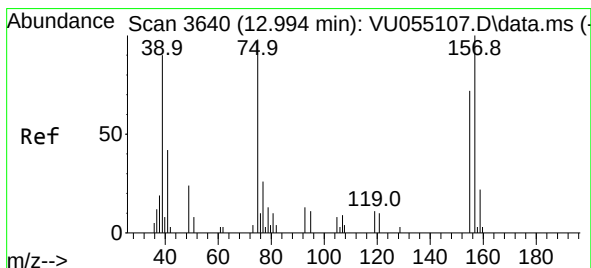
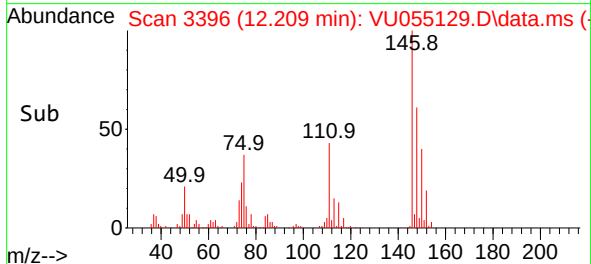
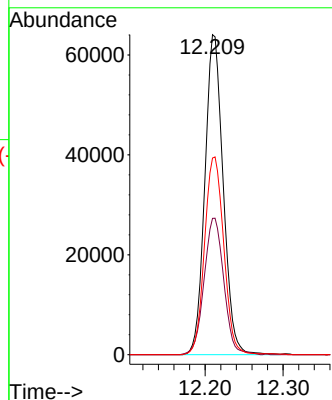
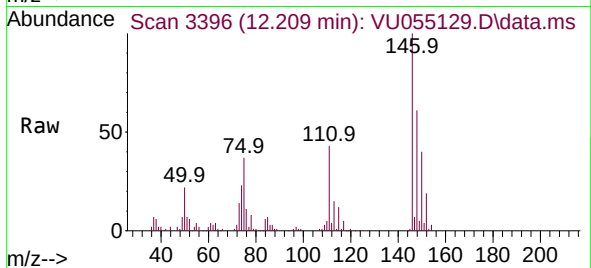
Tgt Ion:146 Resp: 104655

Ion Ratio Lower Upper

146 100

111 42.6 35.6 53.4

148 61.4 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.830 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.003 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

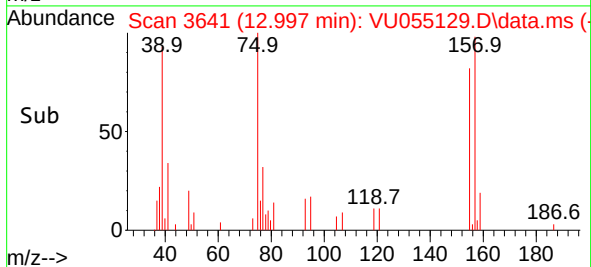
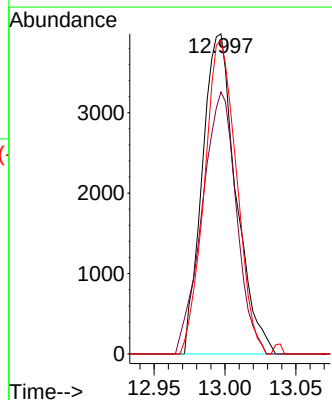
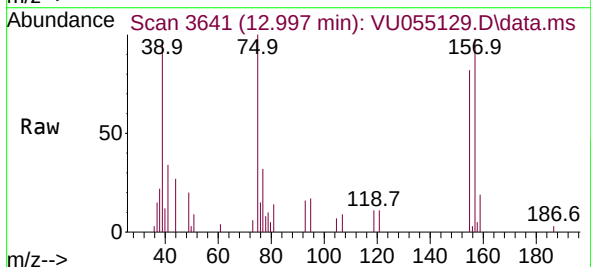
Tgt Ion: 75 Resp: 6568

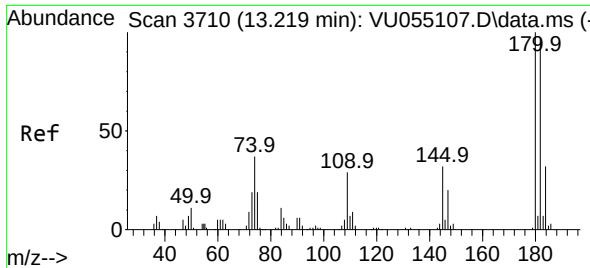
Ion Ratio Lower Upper

75 100

155 81.9 61.1 91.7

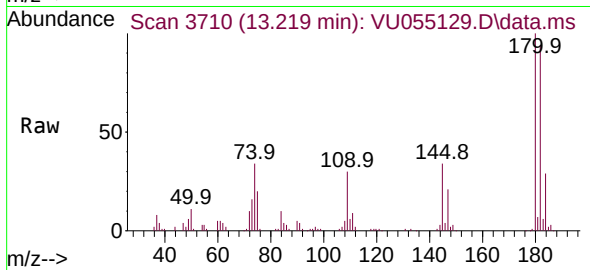
157 98.0 66.8 100.2



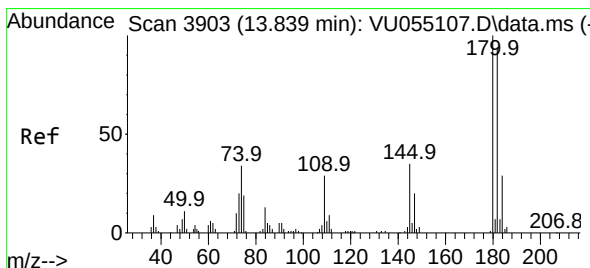
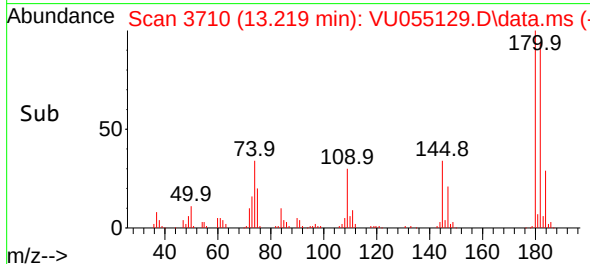
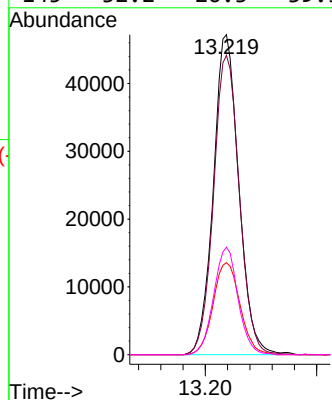


#69
 1,3,5-Trichlorobenzene
 Concen: 4.145 ug/L
 RT: 13.219 min Scan# 3710
 Delta R.T. 0.000 min
 Lab File: VU055129.D
 Acq: 06 Sep 2023 05:51

Instrument :
 MSVOA_U
 ClientSampleId :

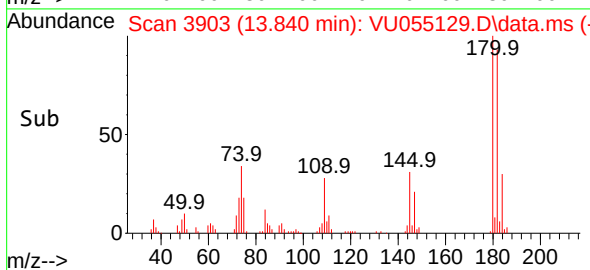
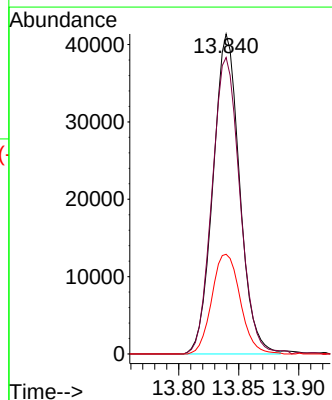
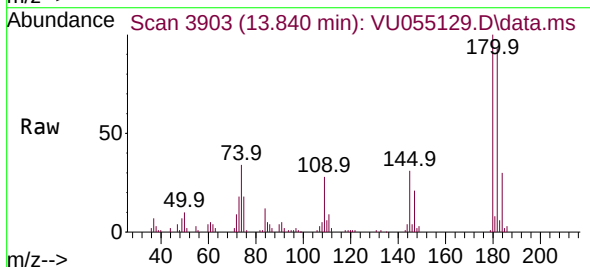


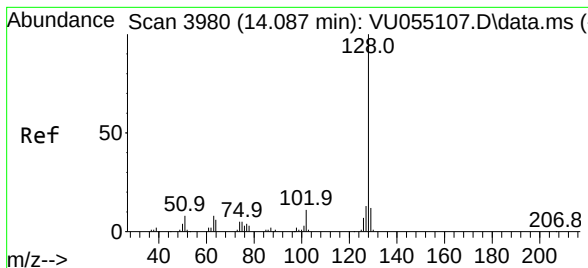
Tgt Ion:180 Resp: 74598
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.8 113.6
 184 30.5 24.0 36.0
 145 32.2 26.3 39.5



#70
 1,2,4-trichlorobenzene
 Concen: 3.769 ug/L
 RT: 13.840 min Scan# 3903
 Delta R.T. 0.000 min
 Lab File: VU055129.D
 Acq: 06 Sep 2023 05:51

Tgt Ion:180 Resp: 63600
 Ion Ratio Lower Upper
 180 100
 182 96.9 73.6 110.4
 145 33.4 25.8 38.8





#71

Naphthalene

Concen: 3.554 ug/L

RT: 14.087 min Scan# 3980

Delta R.T. 0.000 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Instrument :

MSVOA_U

ClientSampleId :

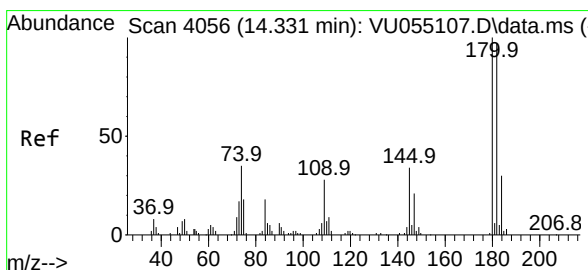
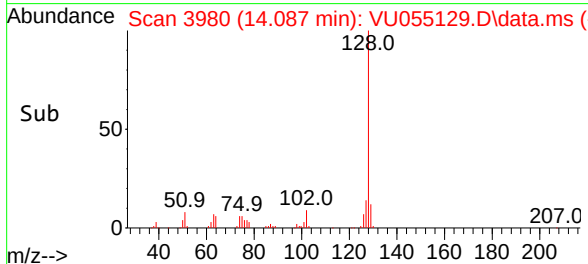
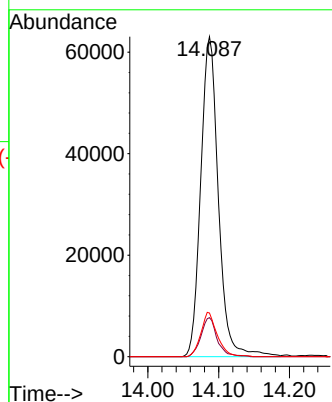
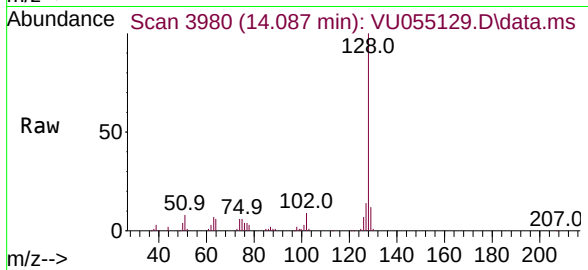
Tgt Ion:128 Resp: 109010

Ion Ratio Lower Upper

128 100

129 11.2 8.2 12.2

127 12.8 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 3.922 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. -0.003 min

Lab File: VU055129.D

Acq: 06 Sep 2023 05:51

Tgt Ion:180 Resp: 57448

Ion Ratio Lower Upper

180 100

182 98.2 75.6 113.4

145 33.8 27.0 40.6

