

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092723\
 Data File : VU055546.D
 Acq On : 27 Sep 2023 12:43
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 23:30:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 06:19:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	247031	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	246419	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	143104	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	109760	4.396	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.911	69	89747	4.079	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	2.564	65	44318	4.312	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.200%
20) 2-Butanone-d5	4.631	46	212297	47.076	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.160%
24) Chloroform-d	5.059	84	204527	4.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.699	65	95206	4.383	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.724	84	395939	4.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.686	67	120692	4.687	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.895	98	362126	4.610	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.178	79	44696	4.946	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.631	63	128718	46.825	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.640%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91953	4.764	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	127678	4.420	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	100764	4.190	ug/L	99
3) Chloromethane	1.516	50	99922	4.723	ug/L	99
5) Vinyl chloride	1.602	62	107407	4.705	ug/L	99
6) Bromomethane	1.856	94	60571	4.178	ug/L	98
8) Chloroethane	1.933	64	64216	4.311	ug/L	96
9) Trichlorofluoromethane	2.136	101	145453	4.595	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	88007	4.569	ug/L	100
12) 1,1-Dichloroethene	2.577	96	78046	4.519	ug/L	92
13) Acetone	2.641	43	126436	49.185	ug/L	99
14) Carbon disulfide	2.792	76	241007	4.642	ug/L	100
15) Methyl Acetate	2.956	43	28050	4.786	ug/L	100
16) Methylene chloride	3.043	84	100316	4.848	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	175117	4.674	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	79761	4.582	ug/L	97
19) 1,1-Dichloroethane	3.866	63	155617	4.834	ug/L	100
21) 2-Butanone	4.708	43	191365	50.756	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	90485	4.483	ug/L	99
23) Bromochloromethane	4.972	128	39266	4.603	ug/L	97
25) Chloroform	5.084	83	163733	4.803	ug/L	98

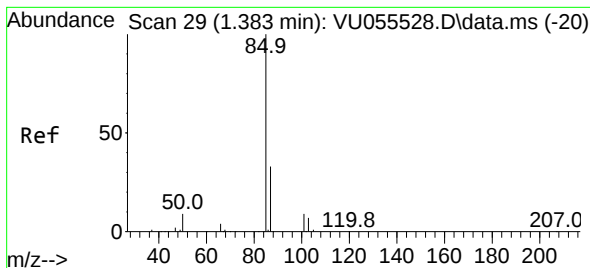
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 Data File : VU055546.D
 Acq On : 27 Sep 2023 12:43
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 23:30:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 06:19:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	97075	4.643	ug/L	97
29) 1,1,1-Trichloroethane	5.313	97	137958	4.911	ug/L	98
30) Cyclohexane	5.387	56	124914	4.858	ug/L	99
31) Carbon tetrachloride	5.522	117	117407	4.876	ug/L	97
33) Benzene	5.773	78	346483	4.885	ug/L	100
34) Trichloroethene	6.541	95	93303	4.651	ug/L	98
35) Methylcyclohexane	6.760	83	136572	4.726	ug/L	99
37) 1,2-Dichloropropane	6.789	63	89730	4.838	ug/L	100
38) Bromodichloromethane	7.104	83	110216	5.071	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	128988	5.210	ug/L	97
40) 4-Methyl-2-pentanone	7.789	43	434479	51.638	ug/L	99
42) Toluene	7.965	91	371004	4.904	ug/L	99
44) trans-1,3-Dichloropropene	8.207	75	104149	5.258	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	63609	4.891	ug/L	97
47) Tetrachloroethene	8.551	164	70289	4.884	ug/L	99
48) 2-Hexanone	8.682	43	337850	51.810	ug/L	98
49) Dibromochloromethane	8.808	129	69127	5.070	ug/L	96
50) 1,2-Dibromoethane	8.924	107	61815	5.122	ug/L #	95
51) Chlorobenzene	9.444	112	232141	4.791	ug/L	97
52) Ethylbenzene	9.567	91	394163	4.860	ug/L	97
53) m,p-Xylene	9.692	106	154687	5.089	ug/L	99
54) o-Xylene	10.097	106	145728	4.932	ug/L	99
55) Styrene	10.113	104	246227	5.153	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	75154	5.119	ug/L	99
59) Bromoform	10.287	173	38559	5.027	ug/L	98
60) Isopropylbenzene	10.483	105	398494	4.832	ug/L	99
61) 1,2,3-Trichloropropane	10.821	75	53951	4.829	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	311122	4.717	ug/L	100
63) 1,2,4-Trimethylbenzene	11.464	105	310857	4.815	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	195251	4.945	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	192639	4.881	ug/L	97
67) 1,2-Dichlorobenzene	12.210	146	176480	4.875	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	9453	4.882	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	127348	4.683	ug/L	99
70) 1,2,4-trichlorobenzene	13.837	180	106225	5.124	ug/L	99
71) Naphthalene	14.084	128	160679	5.354	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	94657	5.247	ug/L	99

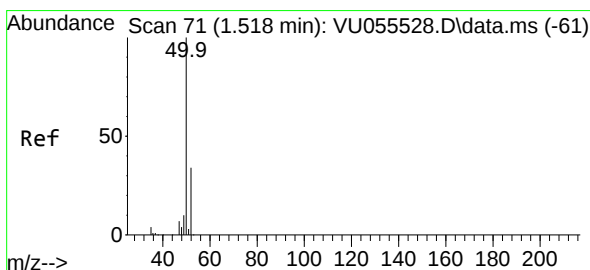
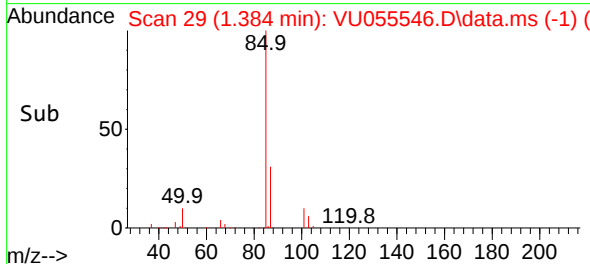
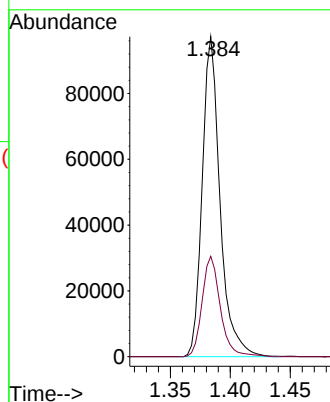
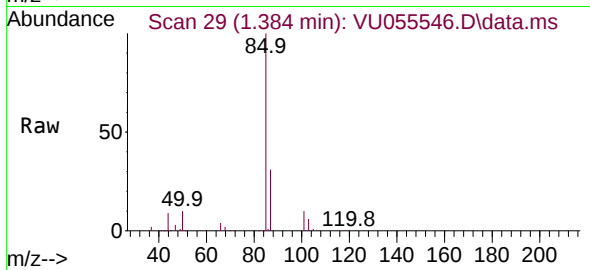
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.190 ug/L
RT: 1.384 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

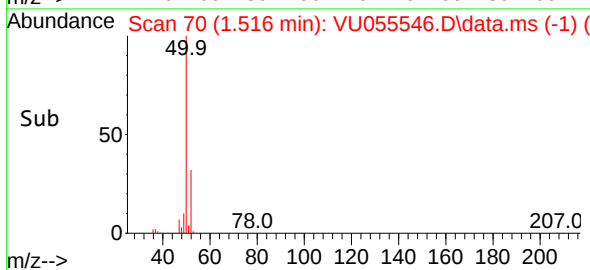
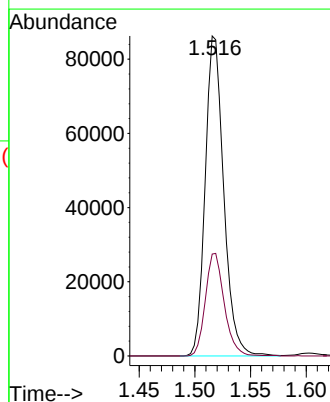
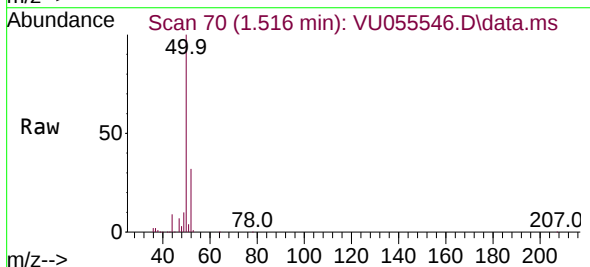
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MSVOA_U
ClientSampleId :

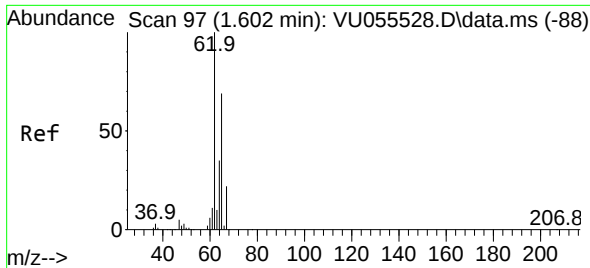
Tgt Ion: 85 Resp: 100764
Ion Ratio Lower Upper
85 100
87 32.0 26.0 39.0



#3
Chloromethane
Concen: 4.723 ug/L
RT: 1.516 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion: 50 Resp: 99922
Ion Ratio Lower Upper
50 100
52 31.9 22.9 42.5



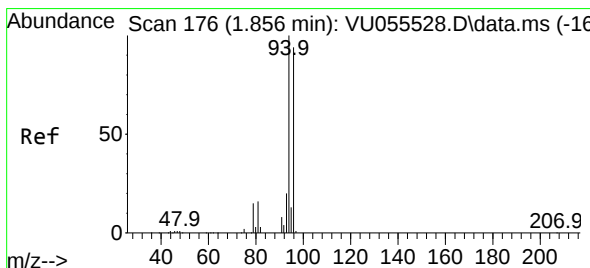
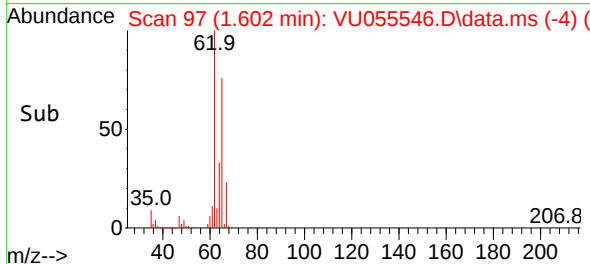
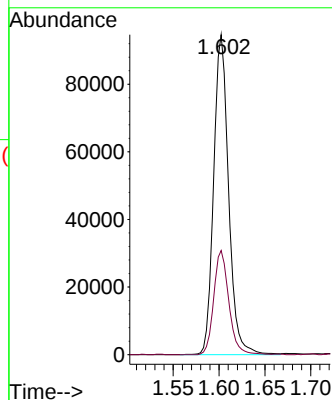
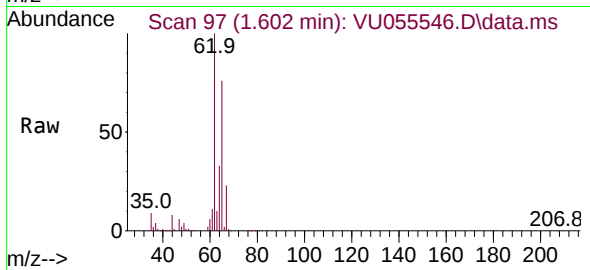


#5
 Vinyl chloride
 Concen: 4.705 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU055546.D
 Acq: 27 Sep 2023 12:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 62 Resp: 107407

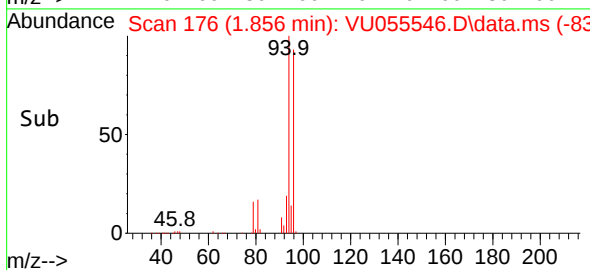
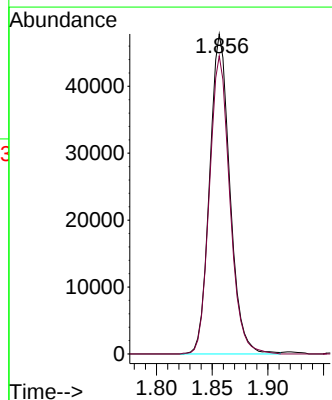
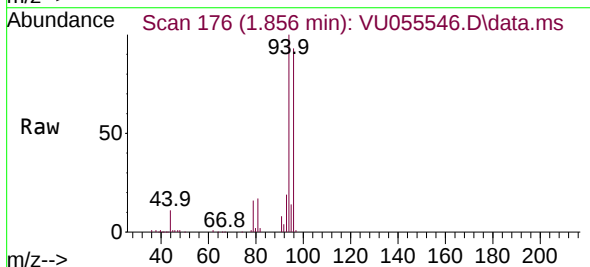
Ion	Ratio	Lower	Upper
62	100		
64	32.5	22.3	41.5

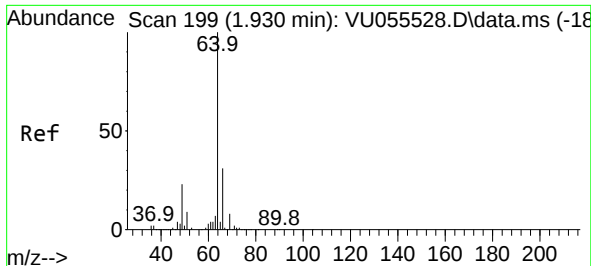


#6
 Bromomethane
 Concen: 4.178 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055546.D
 Acq: 27 Sep 2023 12:43

Tgt Ion: 94 Resp: 60571

Ion	Ratio	Lower	Upper
94	100		
96	93.2	66.4	123.2





#8

Chloroethane

Concen: 4.311 ug/L

RT: 1.933 min Scan# 200

Delta R.T. 0.004 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

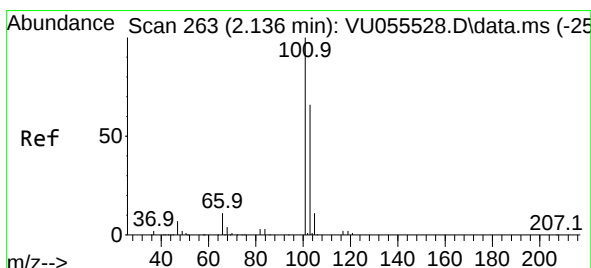
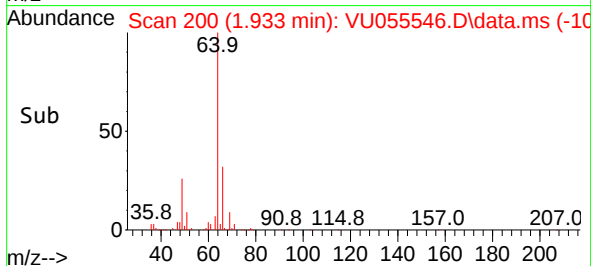
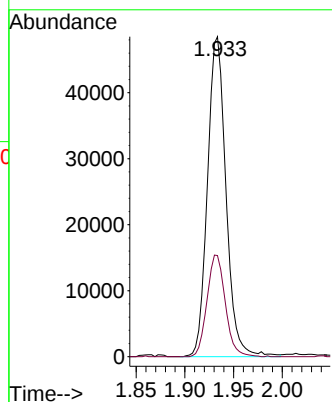
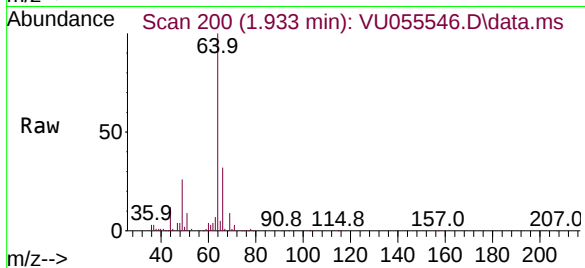
ClientSampleId :

Tgt Ion: 64 Resp: 64216

Ion Ratio Lower Upper

64 100

66 31.6 23.7 44.1



#9

Trichlorofluoromethane

Concen: 4.595 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.000 min

Lab File: VU055546.D

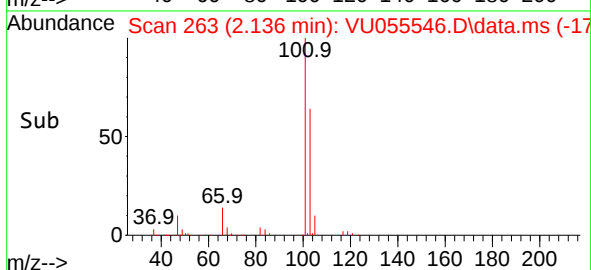
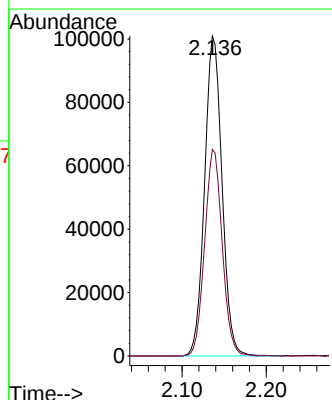
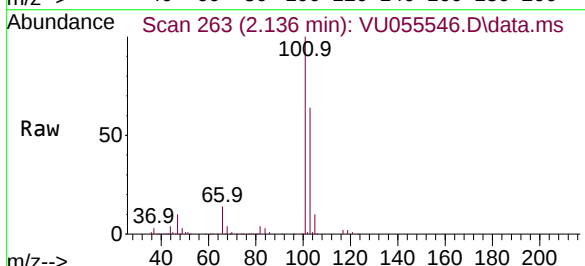
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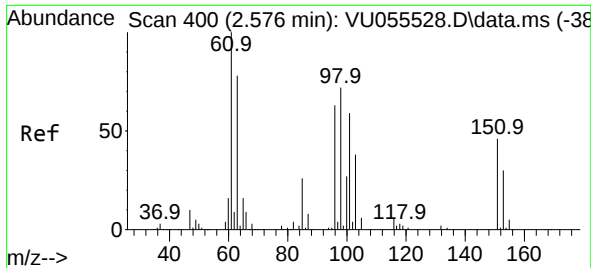
Tgt Ion: 101 Resp: 145453

Ion Ratio Lower Upper

101 100

103 65.0 52.0 78.0

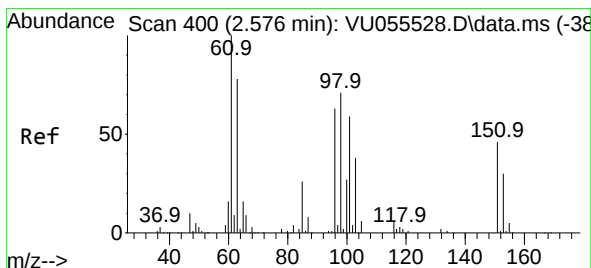
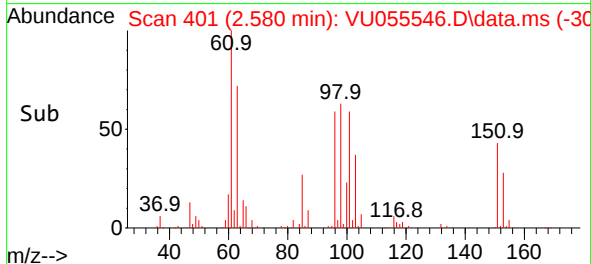
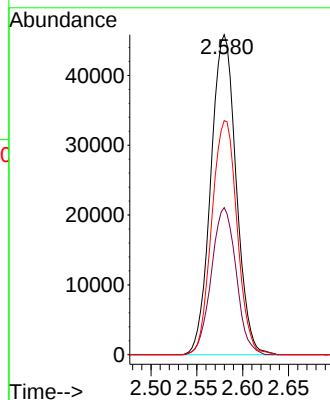
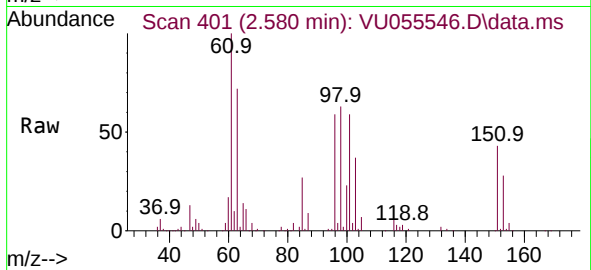




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.569 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.004 min
 Lab File: VU055546.D
 Acq: 27 Sep 2023 12:43

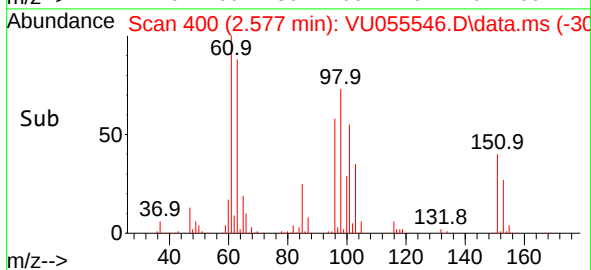
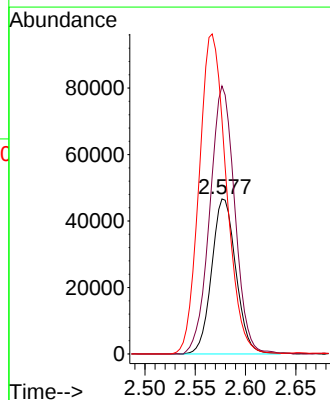
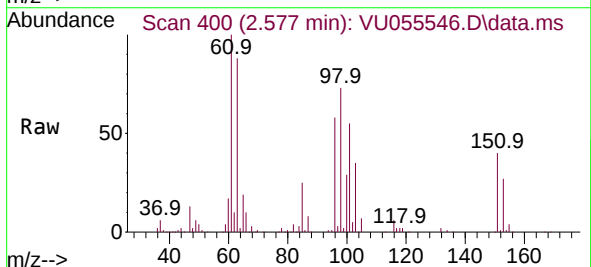
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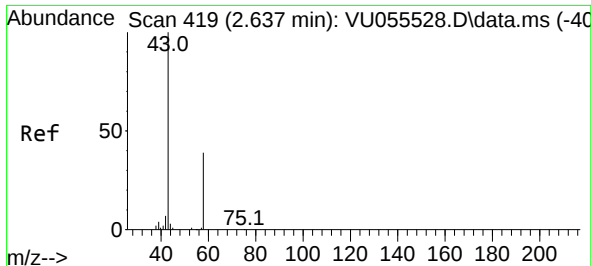
Tgt Ion: 101 Resp: 88007
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.8 53.6
 151 73.2 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 4.519 ug/L
 RT: 2.577 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055546.D
 Acq: 27 Sep 2023 12:43

Tgt Ion: 96 Resp: 78046
 Ion Ratio Lower Upper
 96 100
 61 172.8 114.5 212.7
 63 151.2 98.3 182.5





#13

Acetone

Concen: 49.185 ug/L

RT: 2.641 min Scan# 419

Delta R.T. 0.004 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

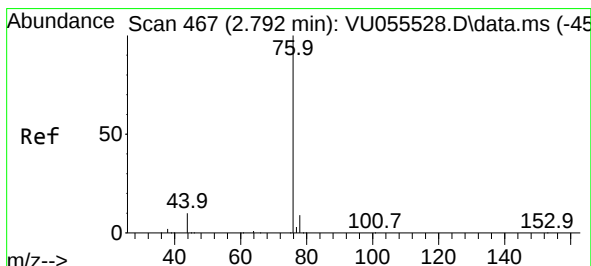
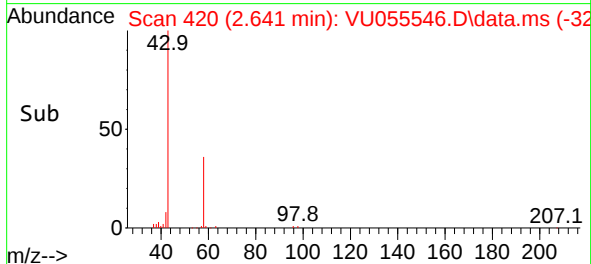
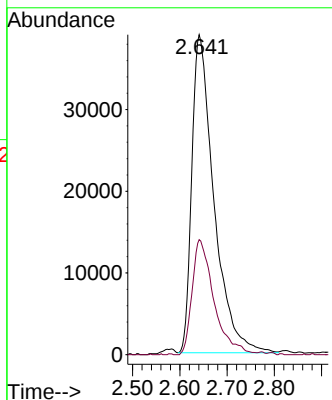
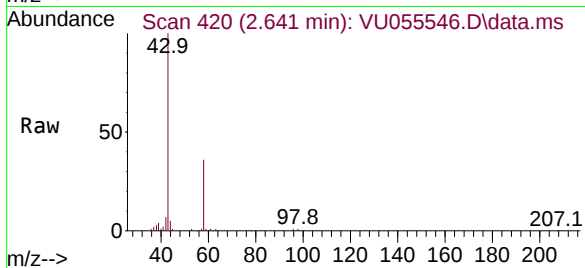
ClientSampleId :

Tgt Ion: 43 Resp: 126436

Ion Ratio Lower Upper

43 100

58 35.8 0.0 72.2



#14

Carbon disulfide

Concen: 4.642 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU055546.D

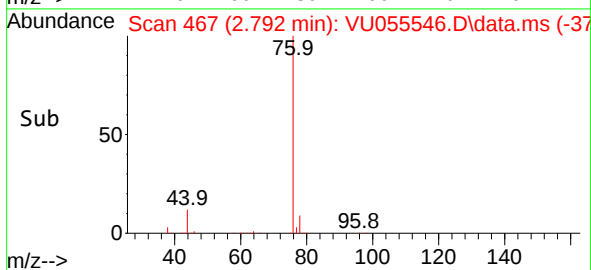
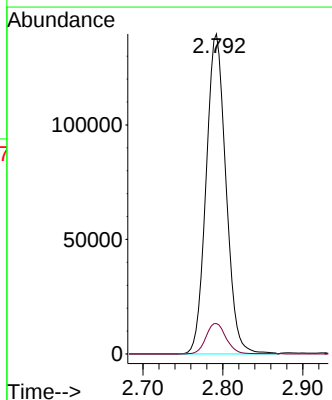
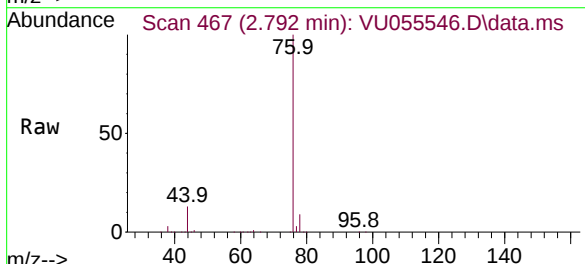
Acq: 27 Sep 2023 12:43

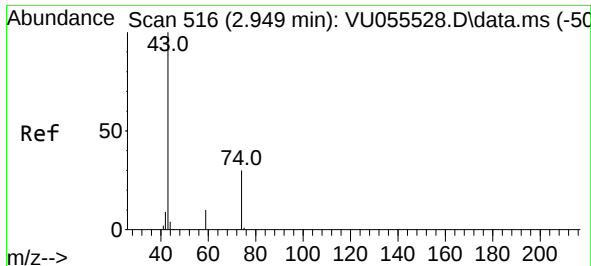
Tgt Ion: 76 Resp: 241007

Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5

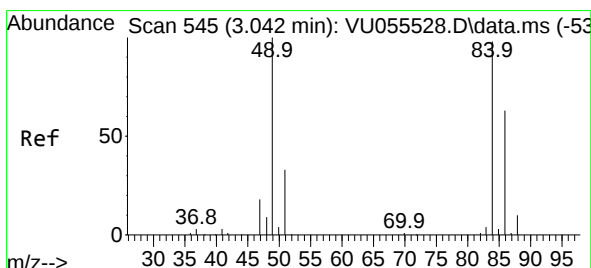
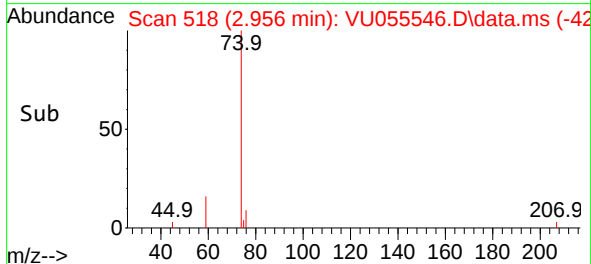
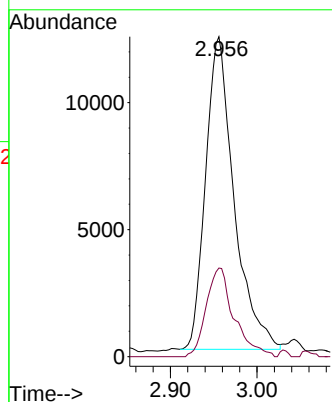
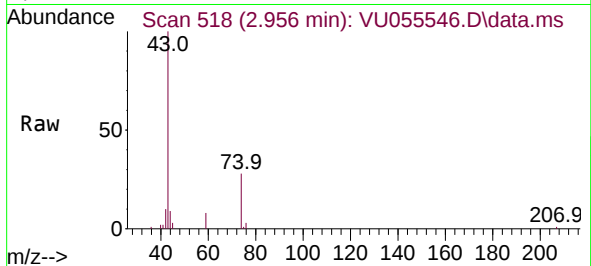




#15
Methyl Acetate
Concen: 4.786 ug/L
RT: 2.956 min Scan# 516
Delta R.T. 0.007 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

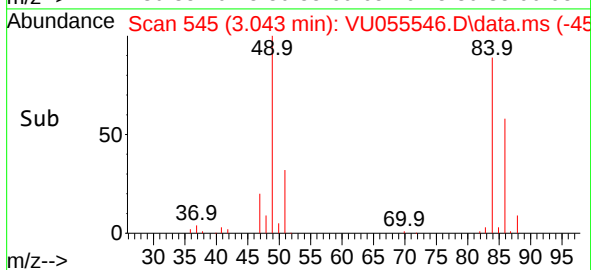
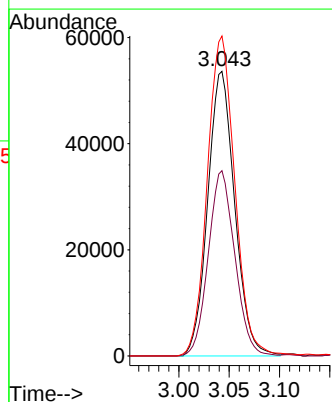
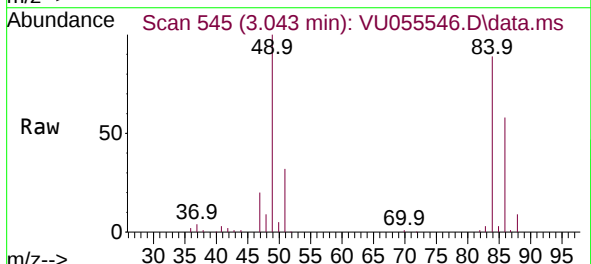
Instrument :
MSVOA_U
ClientSampleId :

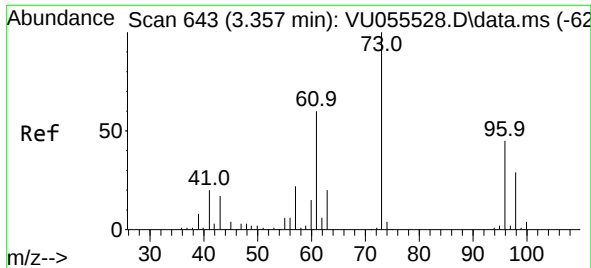
Tgt Ion: 43 Resp: 28050
Ion Ratio Lower Upper
43 100
74 27.7 22.3 33.5



#16
Methylene chloride
Concen: 4.848 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion: 84 Resp: 100316
Ion Ratio Lower Upper
84 100
86 65.1 44.9 83.3
49 112.4 78.8 146.3

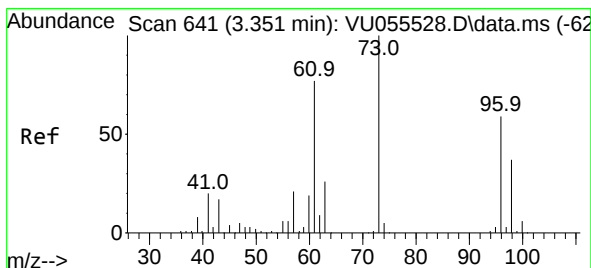
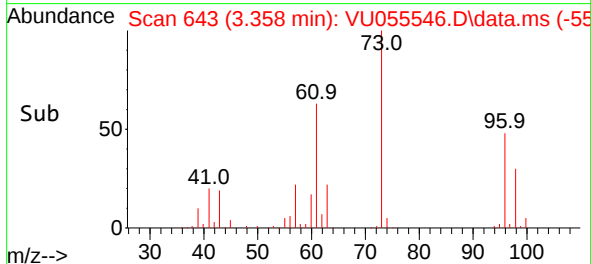
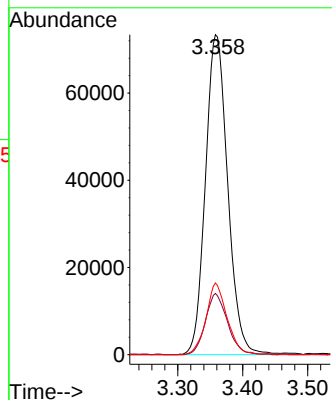
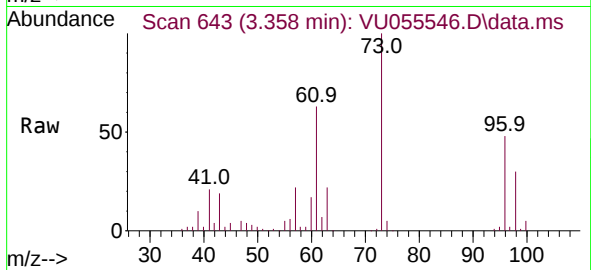




#17
Methyl tert-butyl Ether
Concen: 4.674 ug/L
RT: 3.358 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

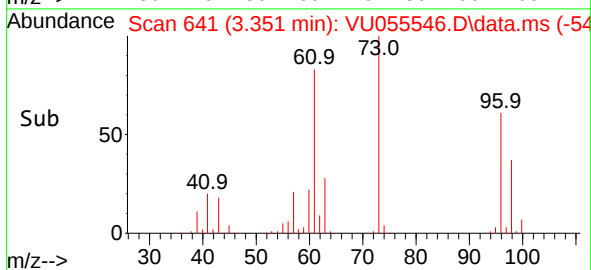
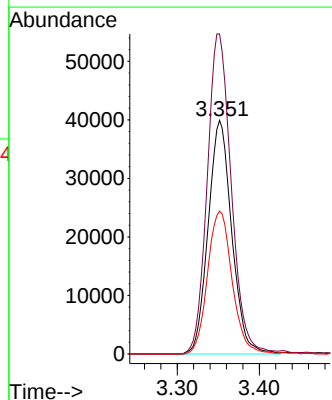
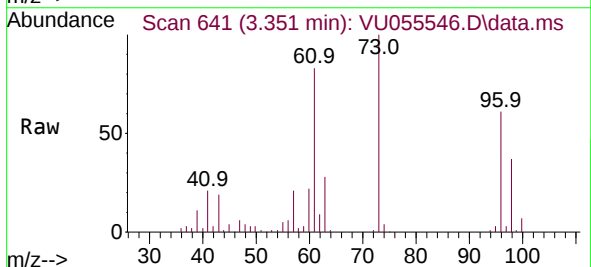
Instrument :
MSVOA_U
ClientSampleId :

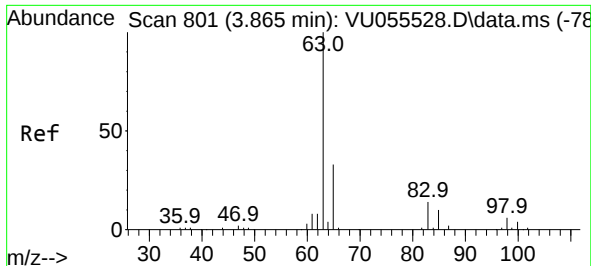
Tgt Ion: 73 Resp: 175117
Ion Ratio Lower Upper
73 100
43 18.9 14.9 22.3
57 21.2 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.582 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

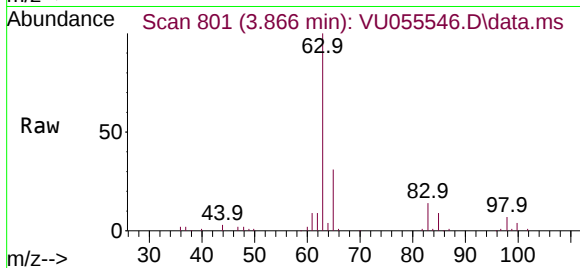
Tgt Ion: 96 Resp: 79761
Ion Ratio Lower Upper
96 100
61 137.0 94.6 175.6
98 61.2 45.7 84.9



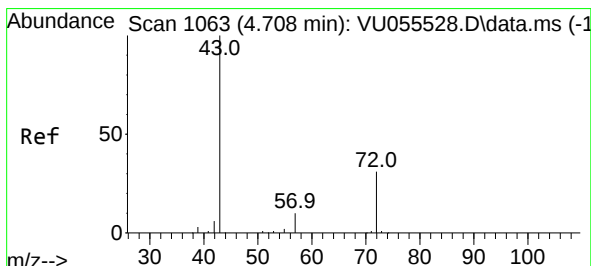
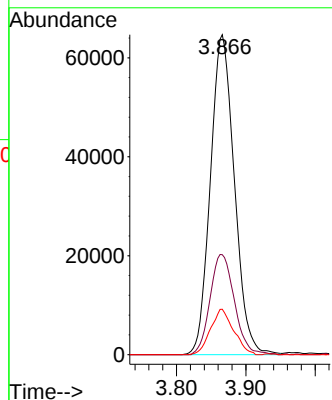
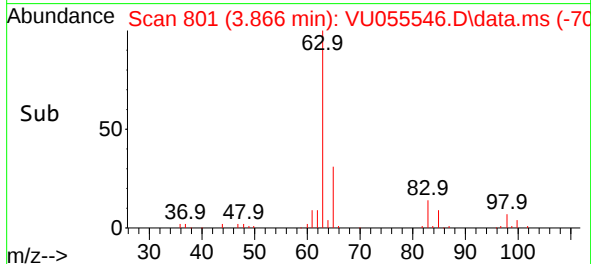


#19
1,1-Dichloroethane
Concen: 4.834 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Instrument :
MSVOA_U
ClientSampleId :

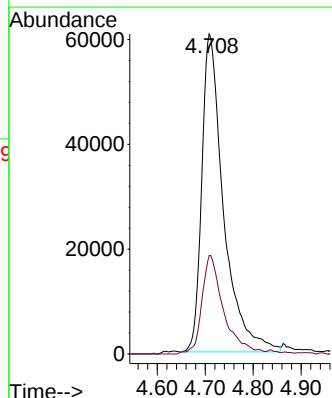
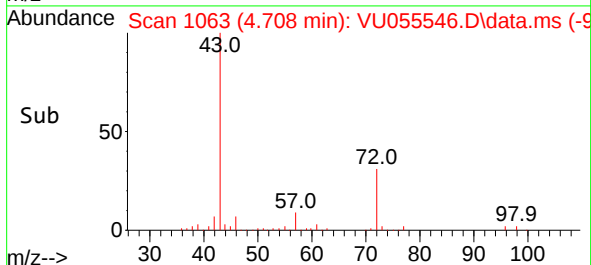
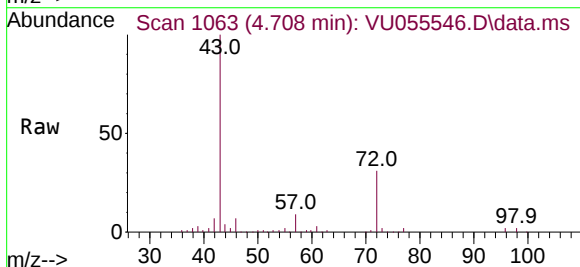


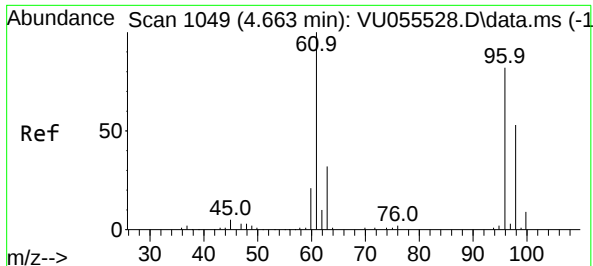
Tgt Ion: 63 Resp: 155617
Ion Ratio Lower Upper
63 100
65 31.3 22.0 41.0
83 14.2 10.1 18.9



#21
2-Butanone
Concen: 50.756 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

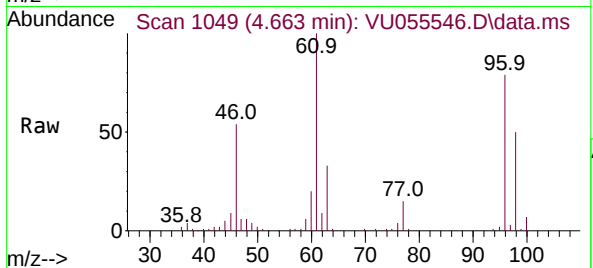
Tgt Ion: 43 Resp: 191365
Ion Ratio Lower Upper
43 100
72 30.4 15.1 45.3



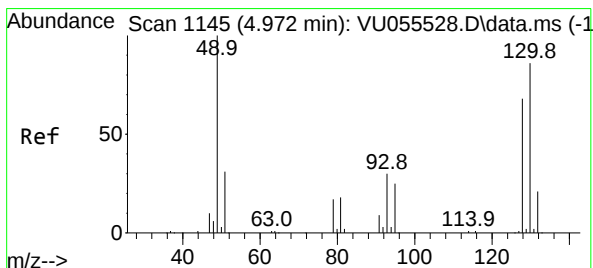
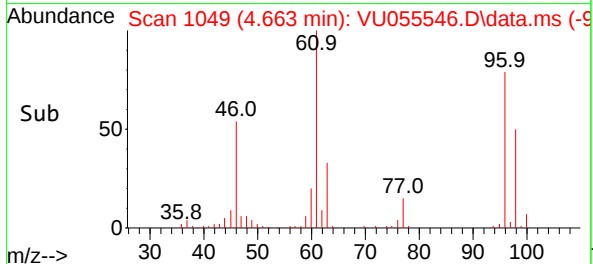
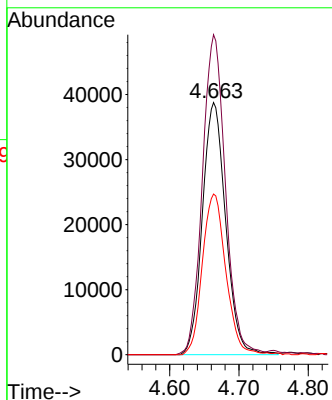


#22
 cis-1,2-Dichloroethene
 Concen: 4.483 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055546.D
 Acq: 27 Sep 2023 12:43

Instrument :
 MSVOA_U
 ClientSampleId :

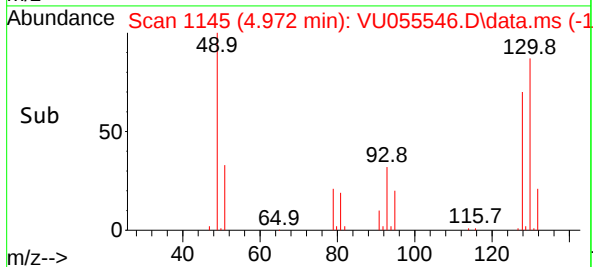
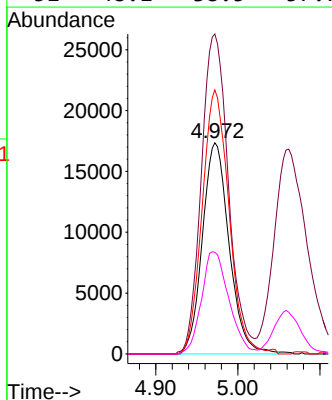
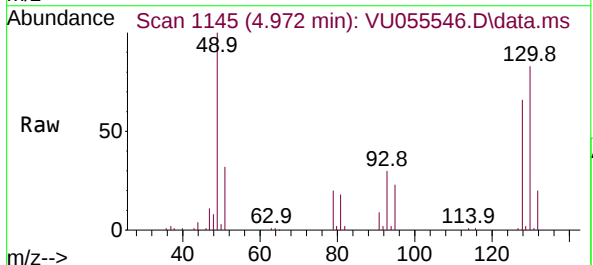


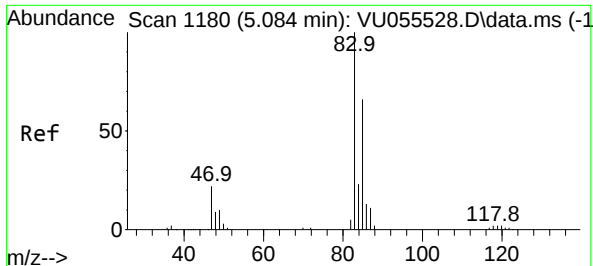
Tgt Ion:	96	Resp:	90485
Ion	Ratio	Lower	Upper
96	100		
61	126.9	87.8	163.2
98	63.7	44.4	82.4



#23
 Bromochloromethane
 Concen: 4.603 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU055546.D
 Acq: 27 Sep 2023 12:43

Tgt Ion:	128	Resp:	39266
Ion	Ratio	Lower	Upper
128	100		
49	151.5	102.8	191.0
130	125.0	89.9	166.9
51	48.1	38.5	57.7





#25

Chloroform

Concen: 4.803 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

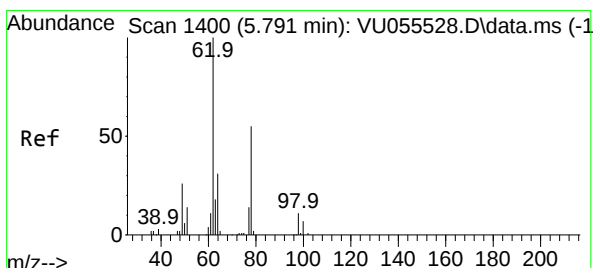
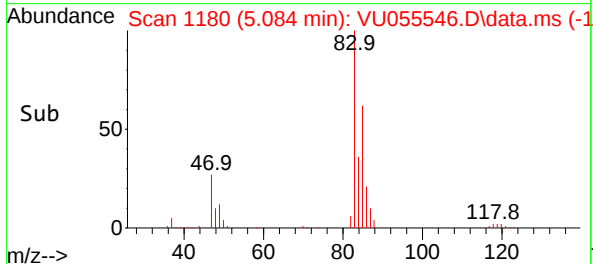
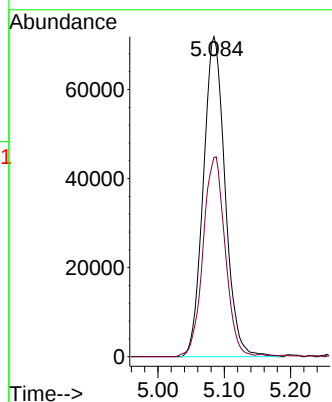
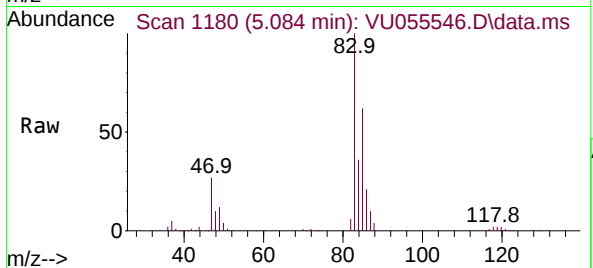
ClientSampleId :

Tgt Ion: 83 Resp: 163733

Ion Ratio Lower Upper

83 100

85 62.3 44.9 83.5



#27

1,2-Dichloroethane

Concen: 4.643 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU055546.D

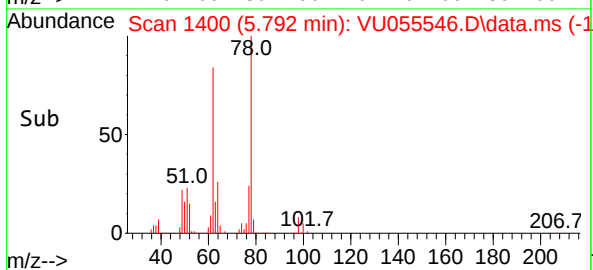
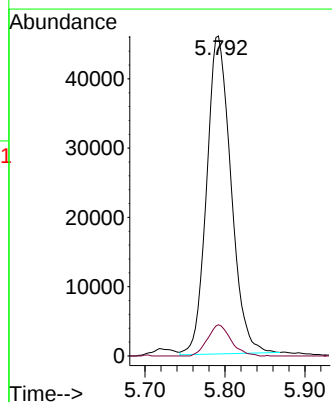
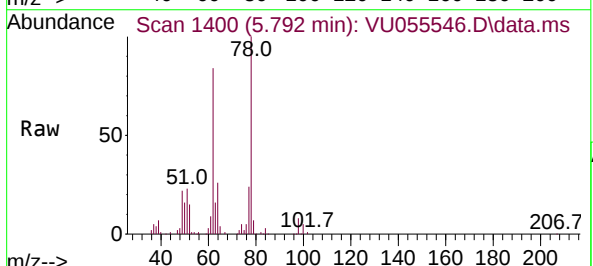
Acq: 27 Sep 2023 12:43

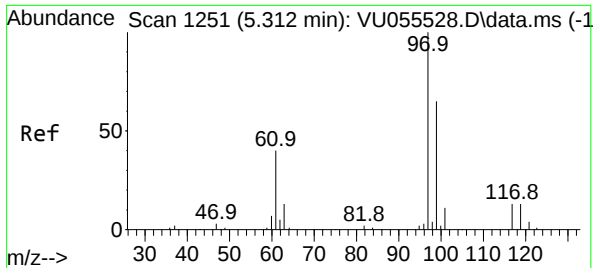
Tgt Ion: 62 Resp: 97075

Ion Ratio Lower Upper

62 100

98 9.8 7.0 10.4

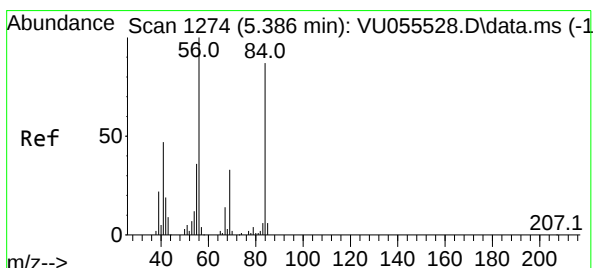
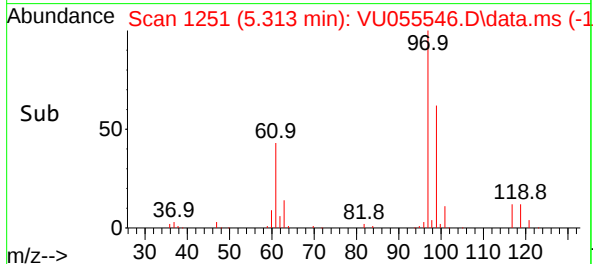
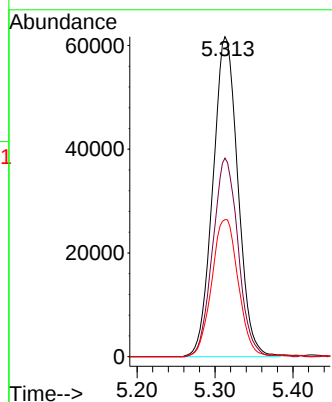
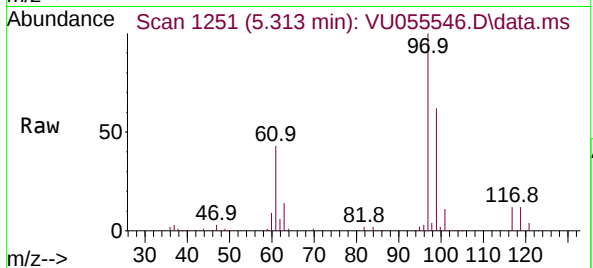




#29
1,1,1-Trichloroethane
Concen: 4.911 ug/L
RT: 5.313 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

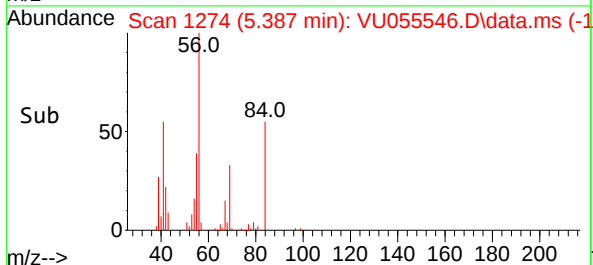
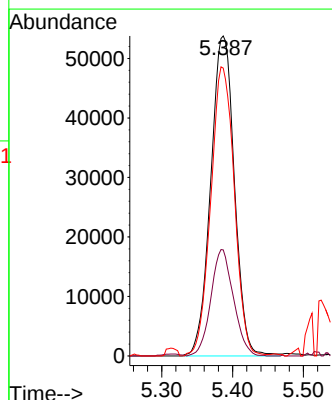
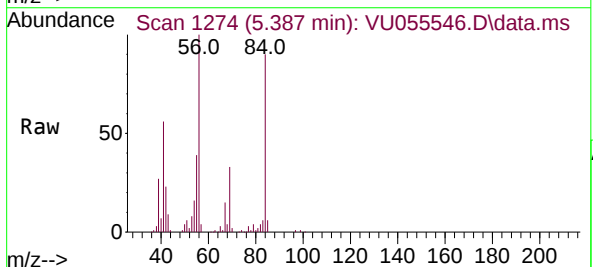
Instrument :
MSVOA_U
ClientSampleId :

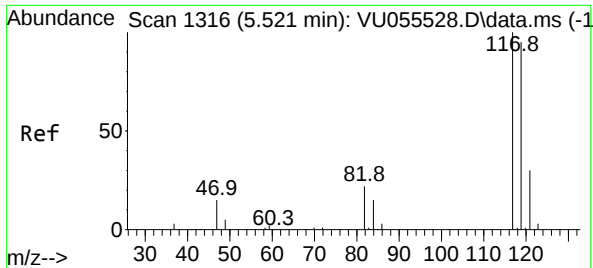
Tgt Ion: 97 Resp: 137958
Ion Ratio Lower Upper
97 100
99 62.9 50.7 76.1
61 45.5 34.6 51.8



#30
Cyclohexane
Concen: 4.858 ug/L
RT: 5.387 min Scan# 1274
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion: 56 Resp: 124914
Ion Ratio Lower Upper
56 100
69 31.8 26.5 39.7
84 89.7 72.6 108.8

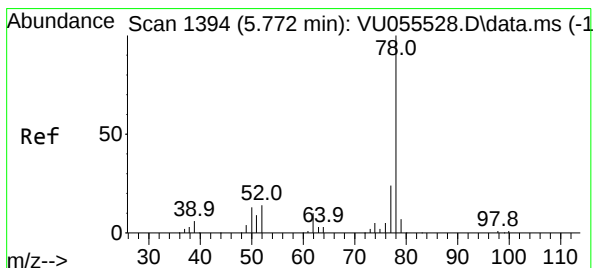
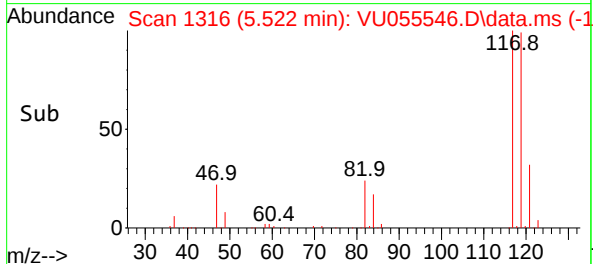
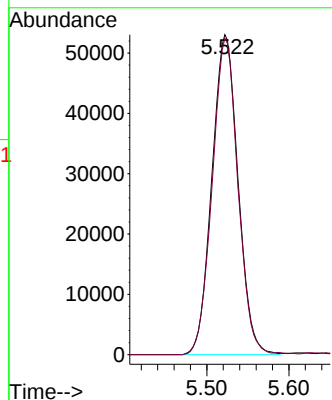
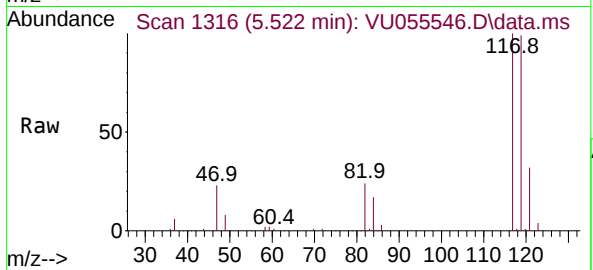




#31
Carbon tetrachloride
Concen: 4.876 ug/L
RT: 5.522 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

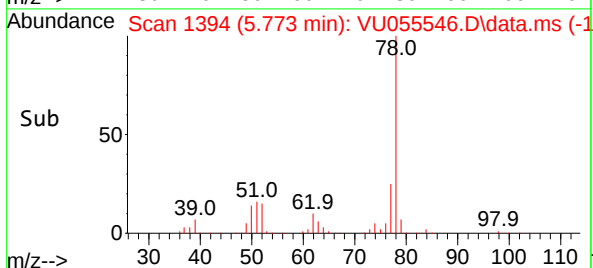
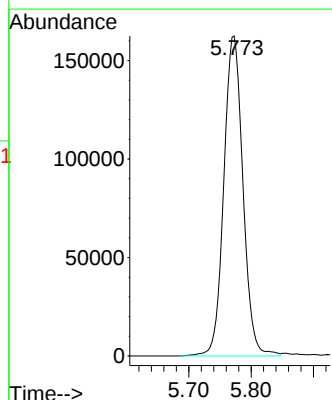
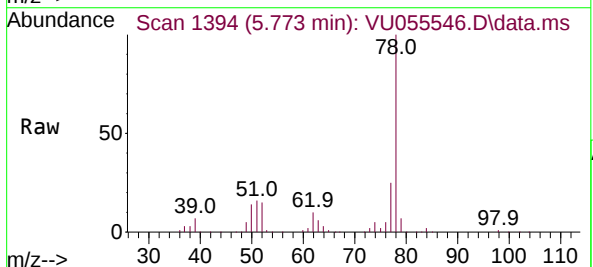
Instrument :
MSVOA_U
ClientSampleId :

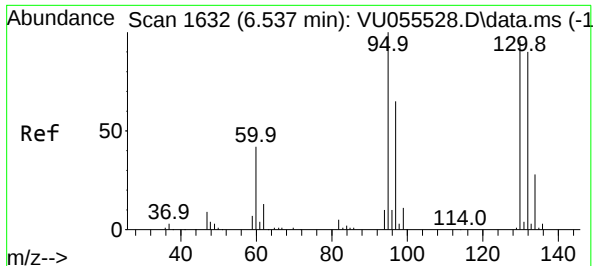
Tgt Ion:117 Resp: 117407
Ion Ratio Lower Upper
117 100
119 96.9 75.2 112.8



#33
Benzene
Concen: 4.885 ug/L
RT: 5.773 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion: 78 Resp: 346483

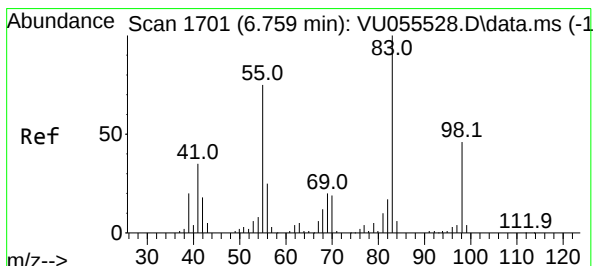
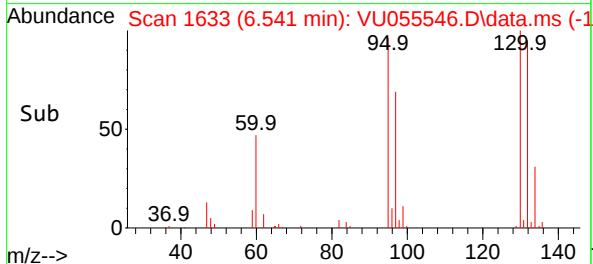
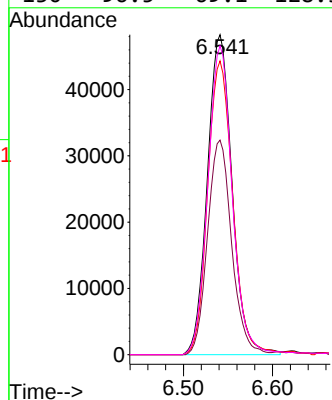
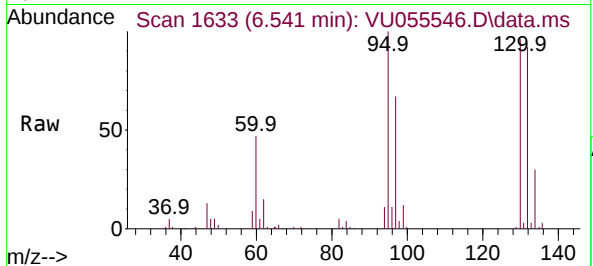




#34
Trichloroethene
Concen: 4.651 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.004 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

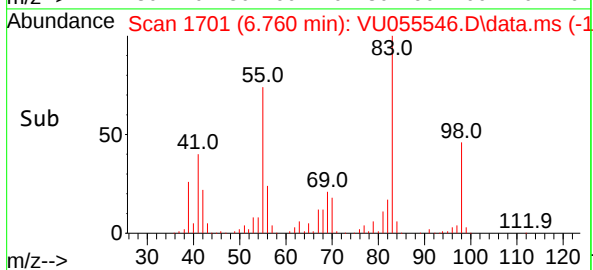
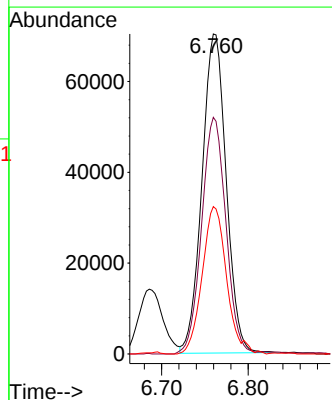
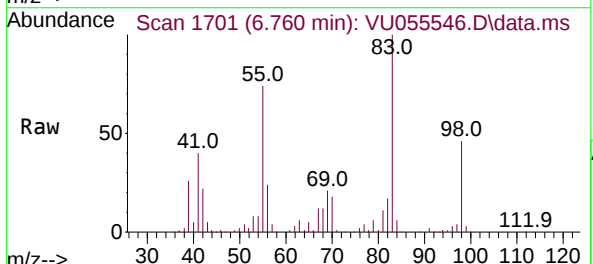
Instrument :
MSVOA_U
ClientSampleId :

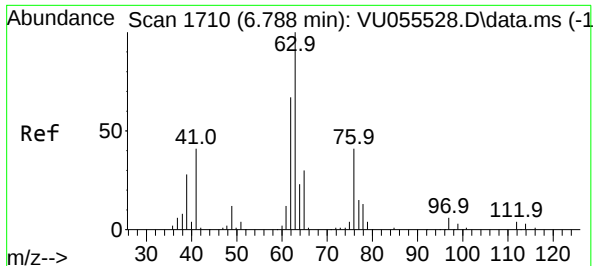
Tgt Ion: 95 Resp: 93303
Ion Ratio Lower Upper
95 100
97 67.0 45.4 84.2
132 91.8 65.2 121.2
130 96.5 69.1 128.3



#35
Methylcyclohexane
Concen: 4.726 ug/L
RT: 6.760 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion: 83 Resp: 136572
Ion Ratio Lower Upper
83 100
55 74.3 59.1 88.7
98 46.3 36.3 54.5

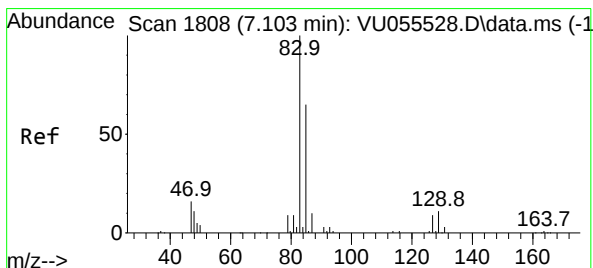
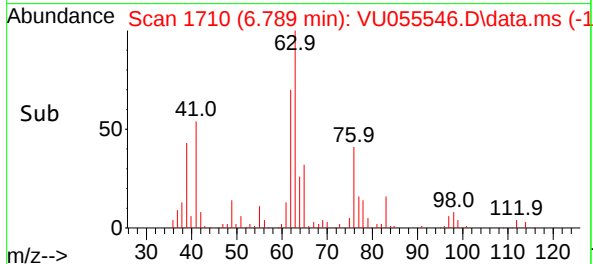
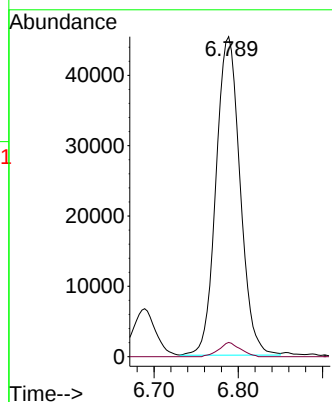
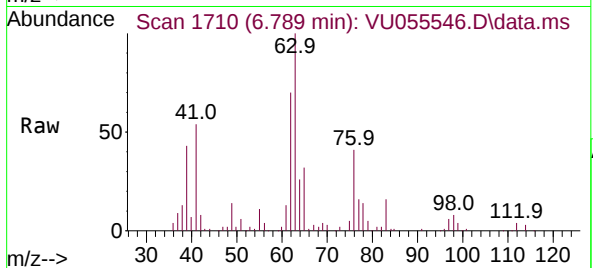




#37
1,2-Dichloropropane
Concen: 4.838 ug/L
RT: 6.789 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

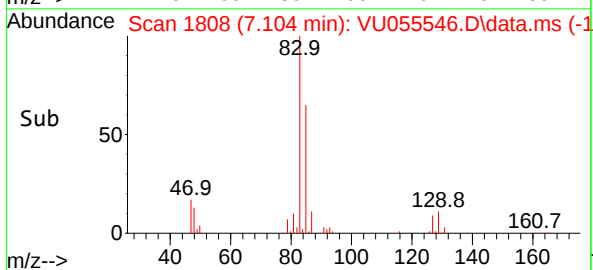
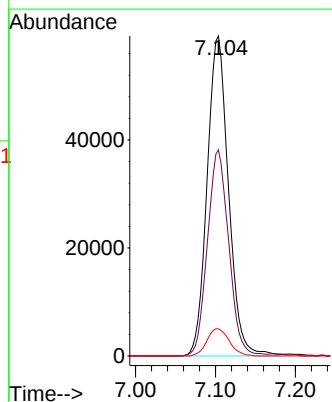
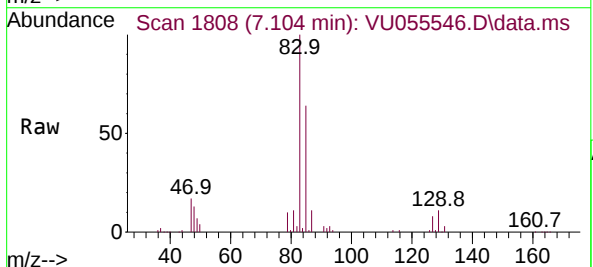
Instrument :
MSVOA_U
ClientSampleId :

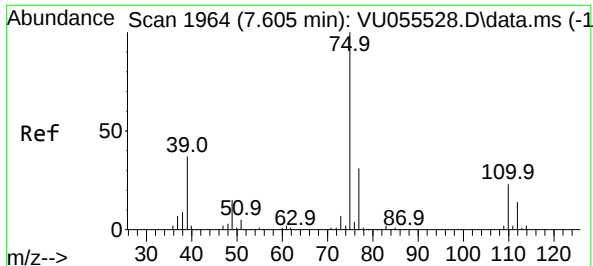
Tgt Ion: 63 Resp: 89730
Ion Ratio Lower Upper
63 100
112 3.9 3.0 4.6



#38
Bromodichloromethane
Concen: 5.071 ug/L
RT: 7.104 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion: 83 Resp: 110216
Ion Ratio Lower Upper
83 100
85 64.4 46.8 86.8
127 8.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.210 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

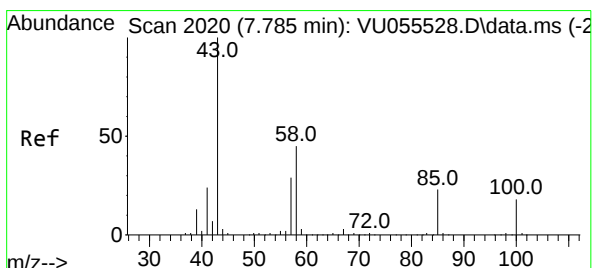
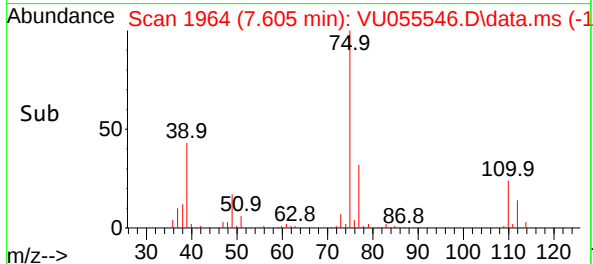
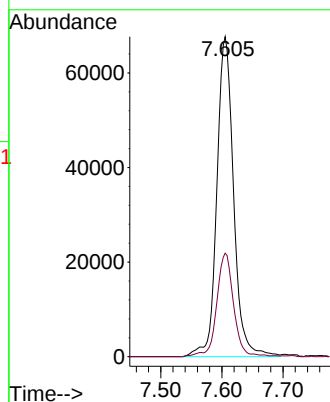
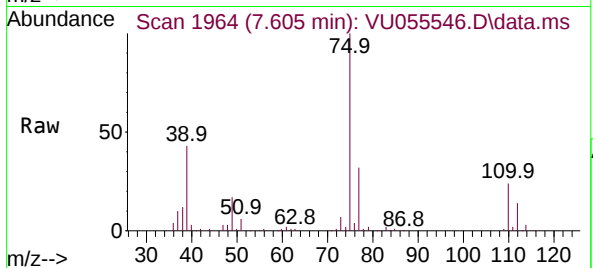
ClientSampleId :

Tgt Ion: 75 Resp: 128988

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 51.638 ug/L

RT: 7.789 min Scan# 2021

Delta R.T. 0.004 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

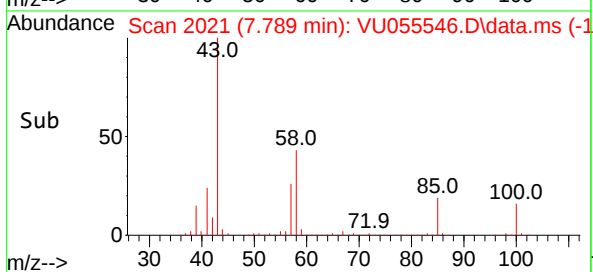
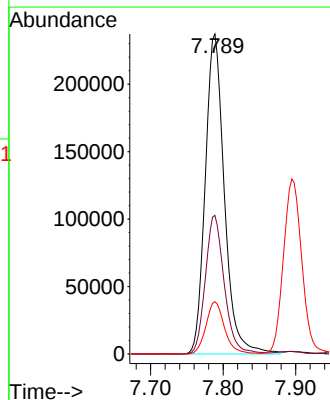
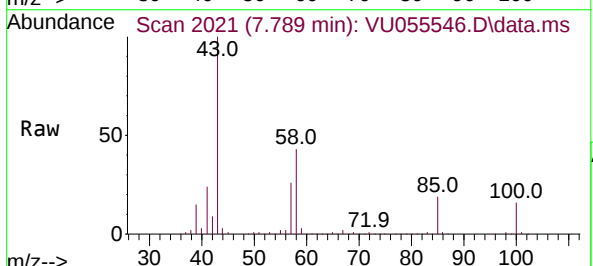
Tgt Ion: 43 Resp: 434479

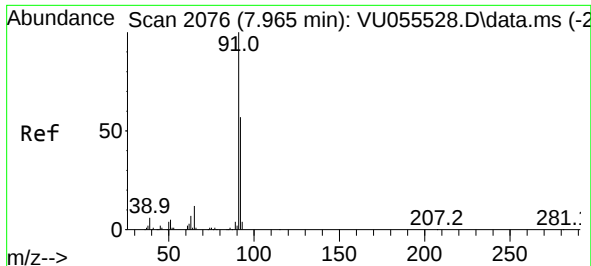
Ion Ratio Lower Upper

43 100

58 42.9 34.2 51.4

100 16.0 13.4 20.0





#42

Toluene

Concen: 4.904 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

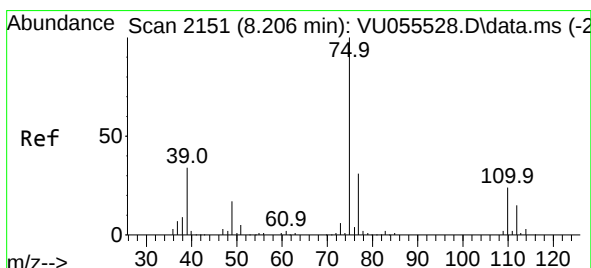
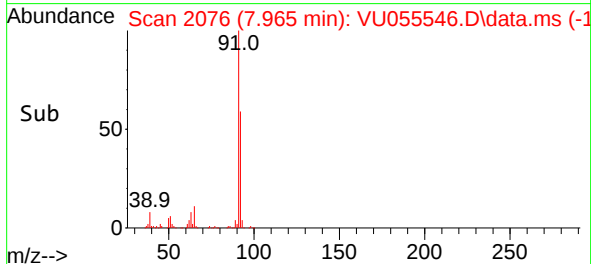
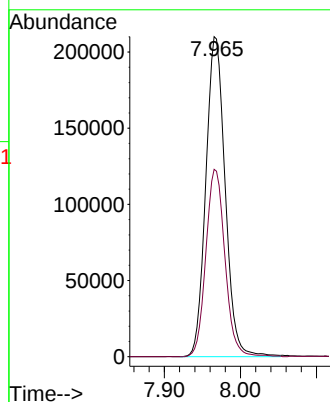
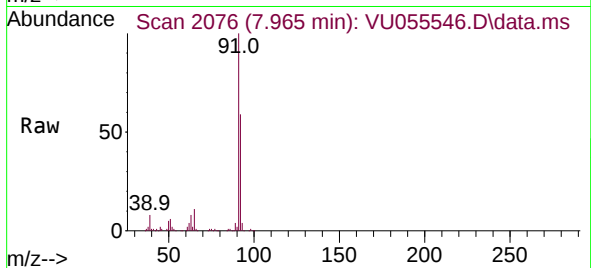
ClientSampleId :

Tgt Ion: 91 Resp: 371004

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.258 ug/L

RT: 8.207 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055546.D

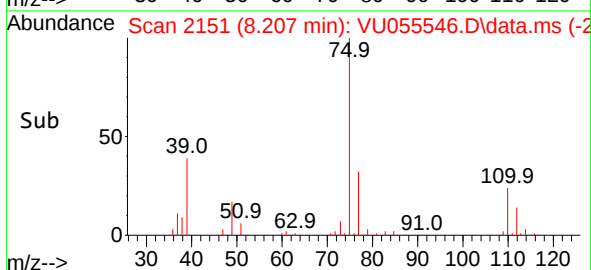
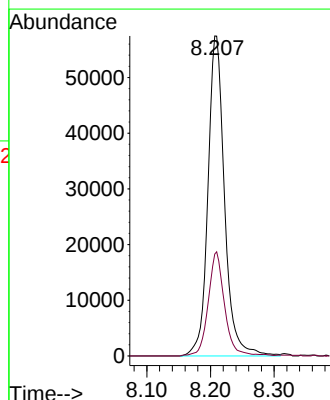
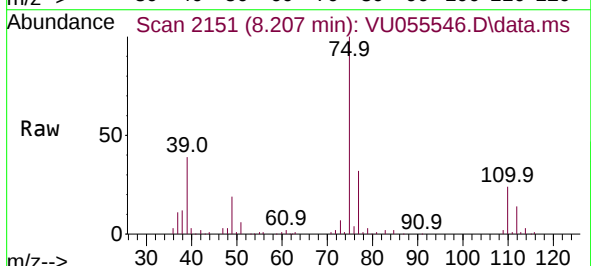
Acq: 27 Sep 2023 12:43

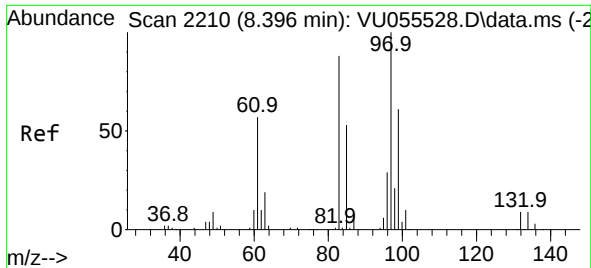
Tgt Ion: 75 Resp: 104149

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.4

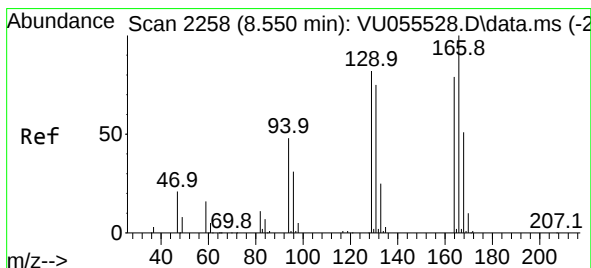
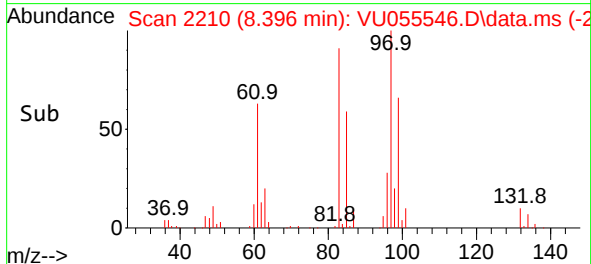
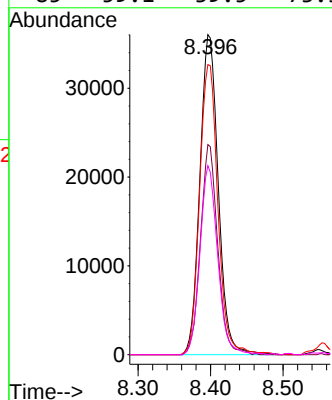
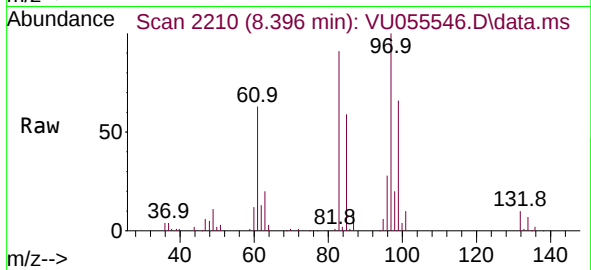




#45
1,1,2-Trichloroethane
Concen: 4.891 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

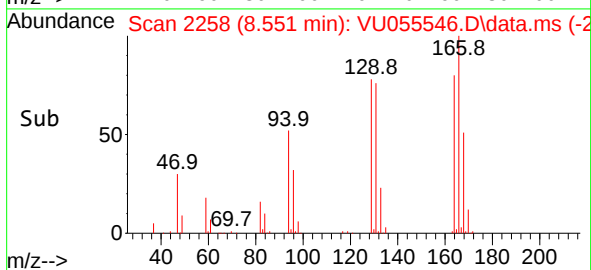
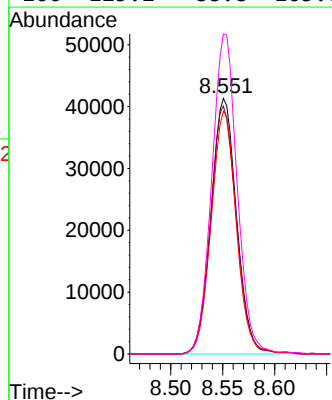
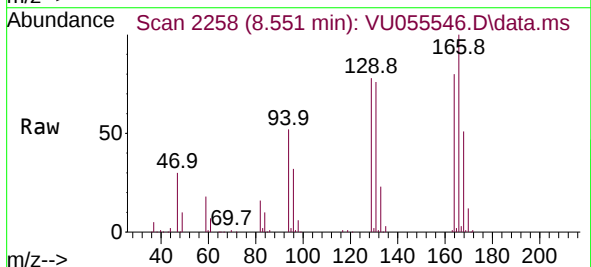
Instrument :
MSVOA_U
ClientSampleId :

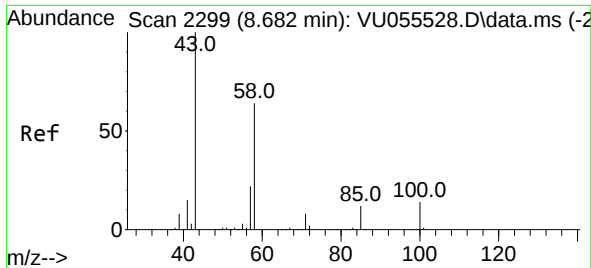
Tgt Ion:	97	Resp:	63609
Ion	Ratio	Lower	Upper
97	100		
99	65.7	44.1	81.9
83	90.7	61.5	114.1
85	59.1	39.5	73.3



#47
Tetrachloroethene
Concen: 4.884 ug/L
RT: 8.551 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion:	164	Resp:	70289
Ion	Ratio	Lower	Upper
164	100		
129	97.1	67.4	125.2
131	95.0	66.4	123.2
166	125.2	88.8	165.0



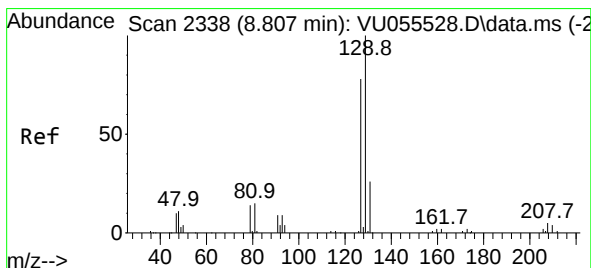
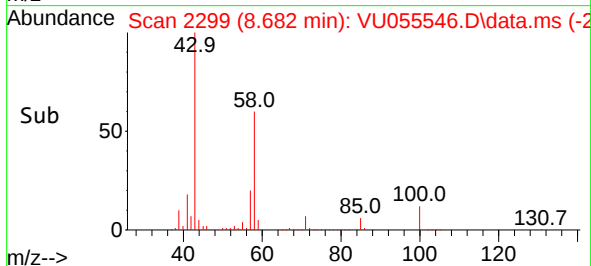
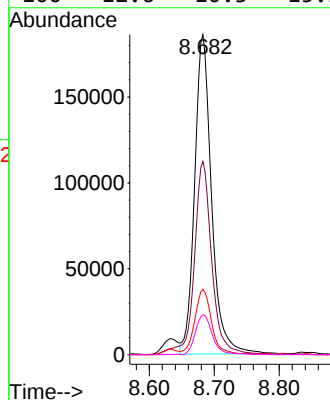
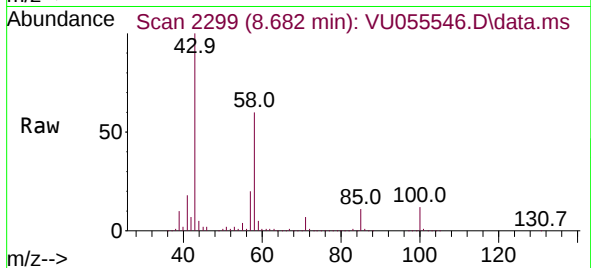


#48
2-Hexanone
Concen: 51.810 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 337850

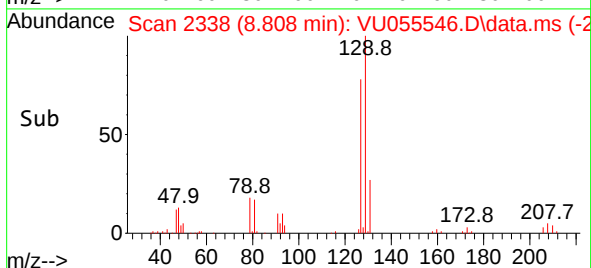
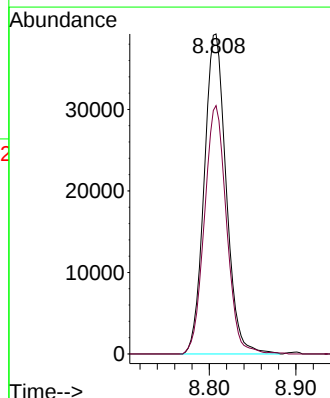
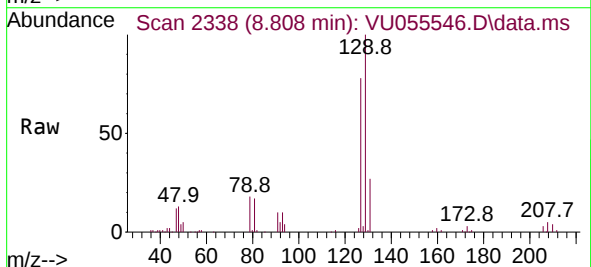
Ion	Ratio	Lower	Upper
43	100		
58	62.5	48.5	72.7
57	19.7	17.0	25.4
100	12.6	10.3	15.5

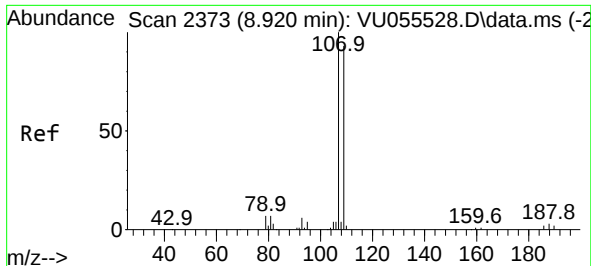


#49
Dibromochloromethane
Concen: 5.070 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion: 129 Resp: 69127

Ion	Ratio	Lower	Upper
129	100		
127	77.6	56.8	105.6





#50

1,2-Dibromoethane

Concen: 5.122 ug/L

RT: 8.924 min Scan# 21

Delta R.T. 0.004 min

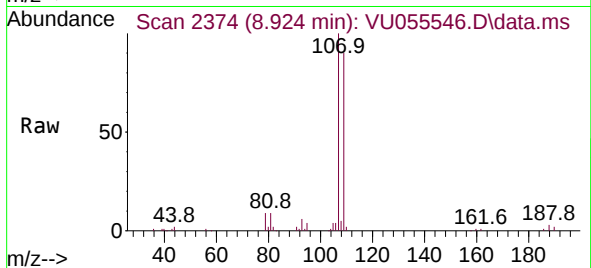
Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

ClientSampleId :



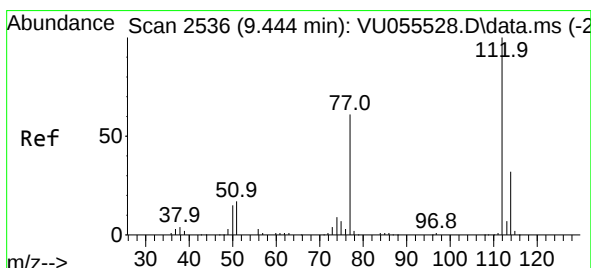
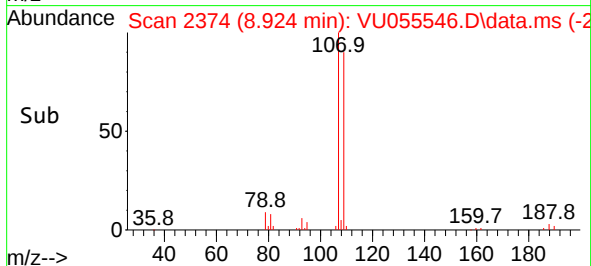
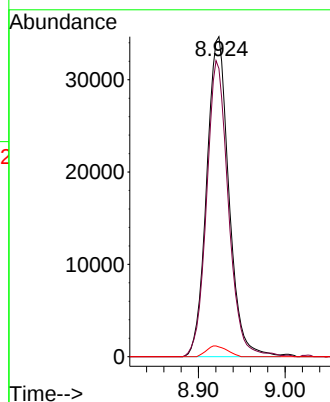
Tgt Ion:107 Resp: 61815

Ion Ratio Lower Upper

107 100

109 90.1 66.1 122.8

188 3.1 3.2 4.8#



#51

Chlorobenzene

Concen: 4.791 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

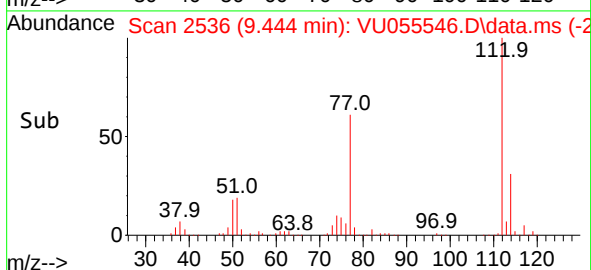
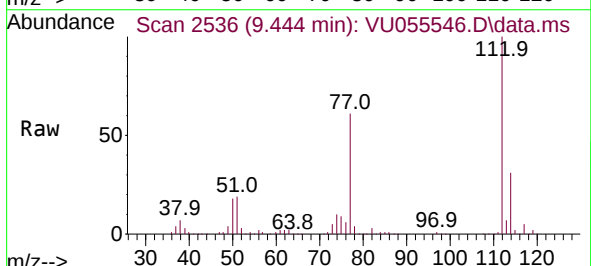
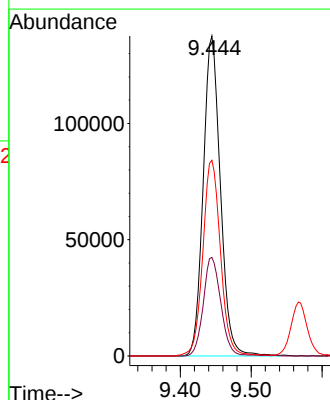
Tgt Ion:112 Resp: 232141

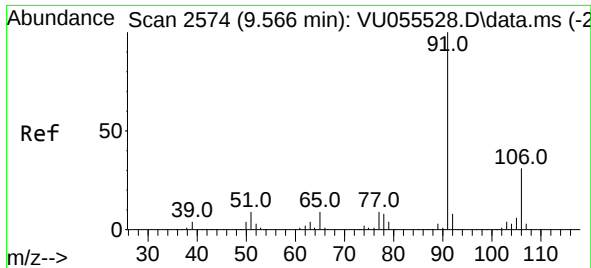
Ion Ratio Lower Upper

112 100

114 30.8 22.0 40.8

77 61.1 46.9 70.3

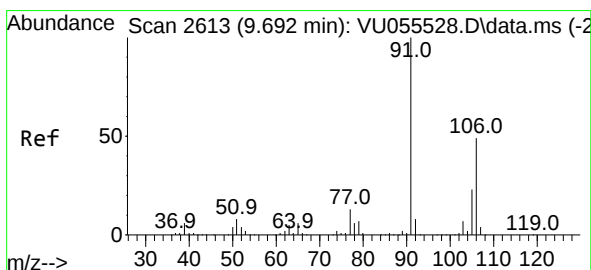
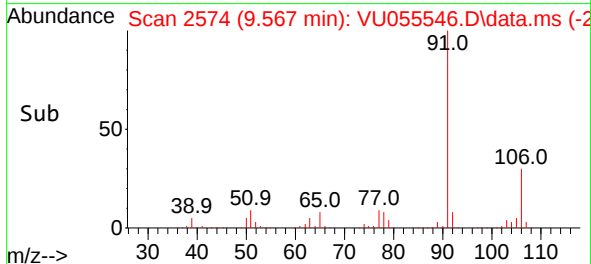
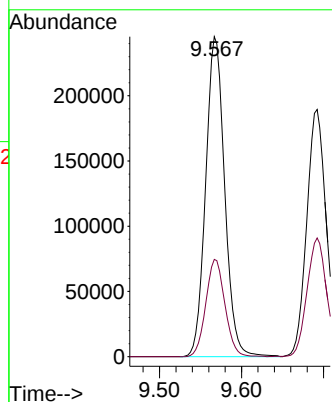
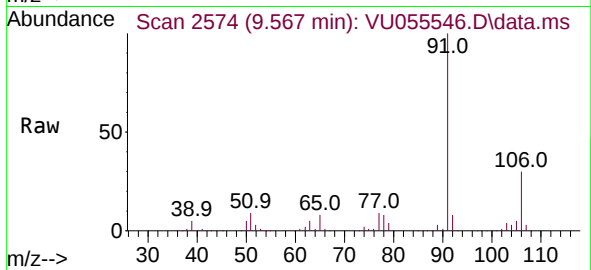




#52
Ethylbenzene
Concen: 4.860 ug/L
RT: 9.567 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

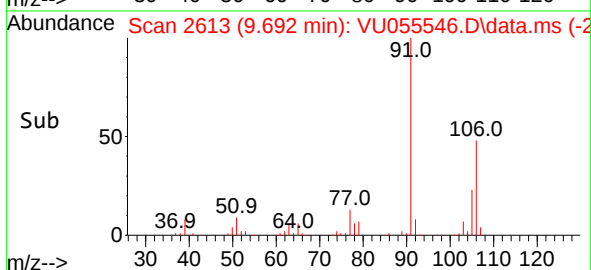
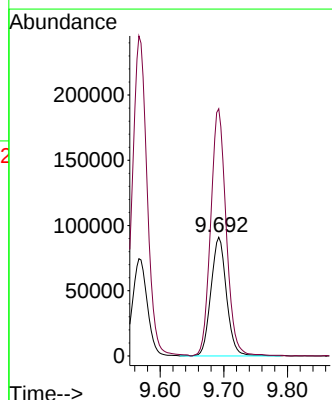
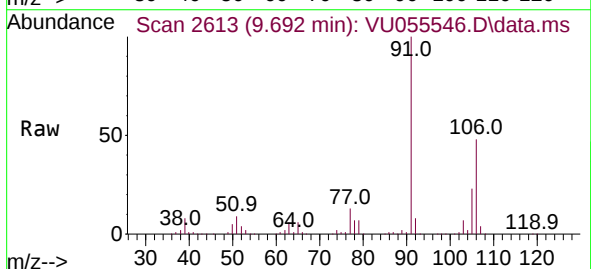
Instrument :
MSVOA_U
ClientSampleId :

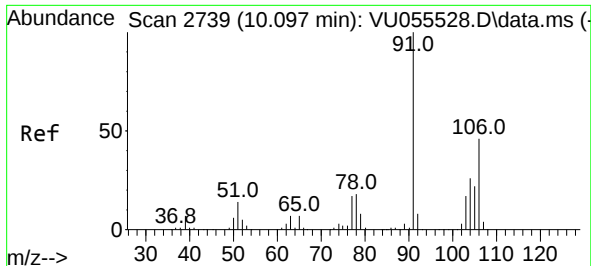
Tgt Ion: 91 Resp: 394163
Ion Ratio Lower Upper
91 100
106 30.4 22.4 41.6



#53
m,p-Xylene
Concen: 5.089 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion: 106 Resp: 154687
Ion Ratio Lower Upper
106 100
91 208.4 144.8 269.0

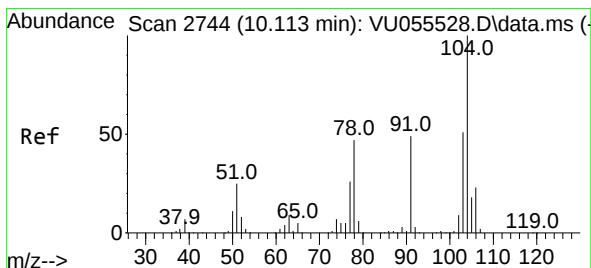
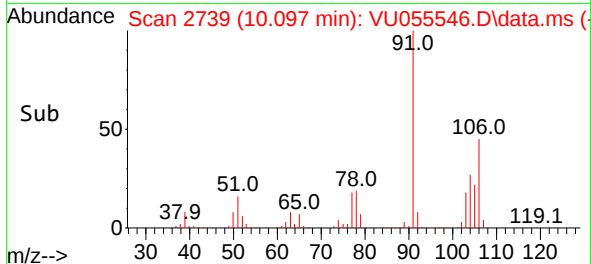
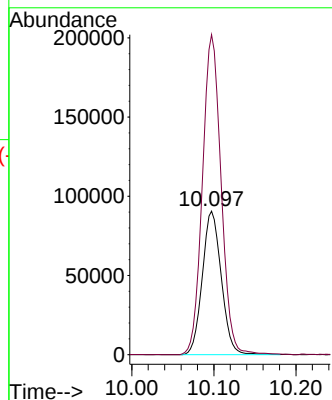
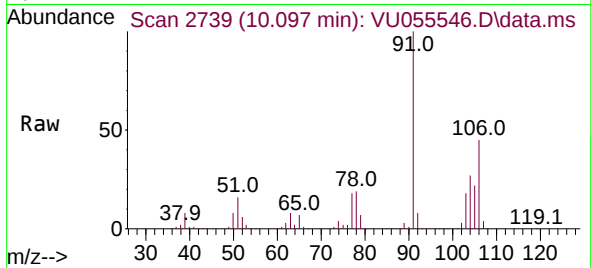




#54
o-Xylene
Concen: 4.932 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

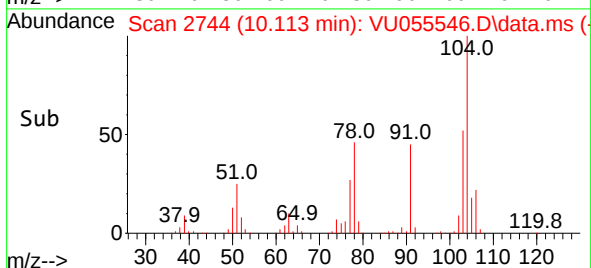
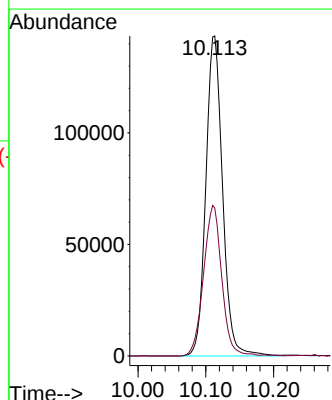
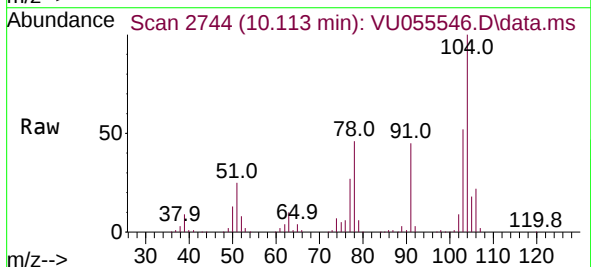
Instrument :
MSVOA_U
ClientSampleId :

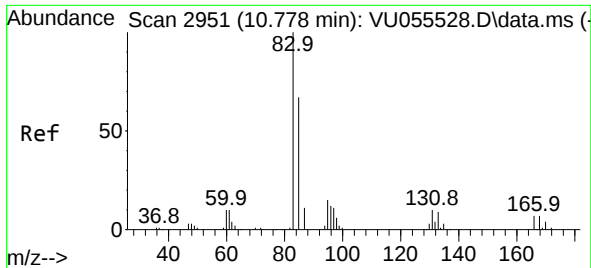
Tgt Ion:106 Resp: 145728
Ion Ratio Lower Upper
106 100
91 223.1 157.6 292.8



#55
Styrene
Concen: 5.153 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion:104 Resp: 246227
Ion Ratio Lower Upper
104 100
78 46.2 31.2 58.0

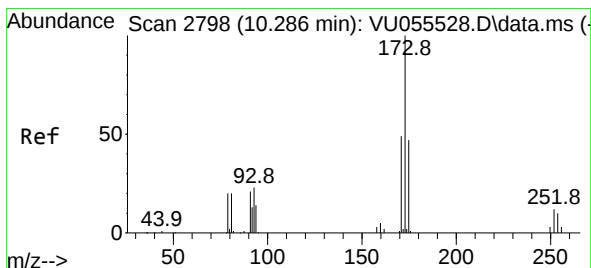
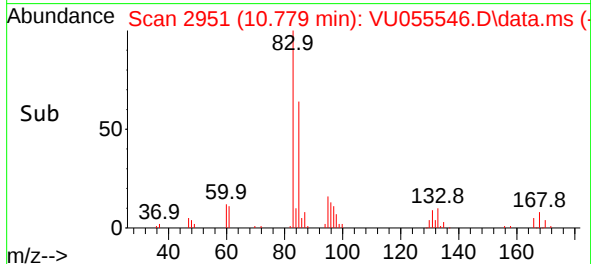
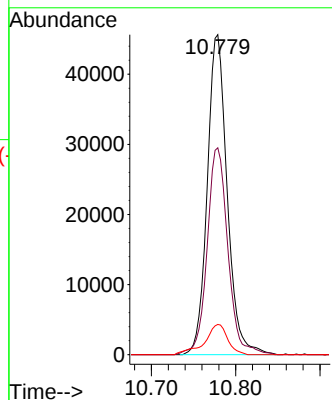
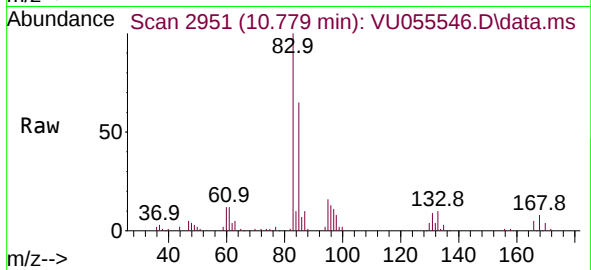




#57
1,1,2,2-Tetrachloroethane
Concen: 5.119 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

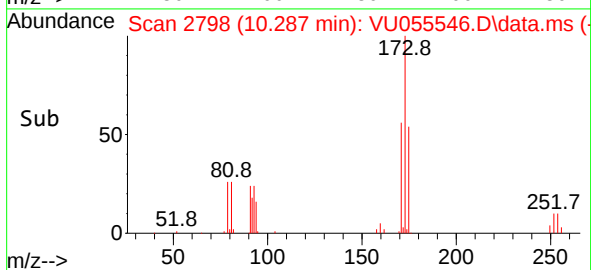
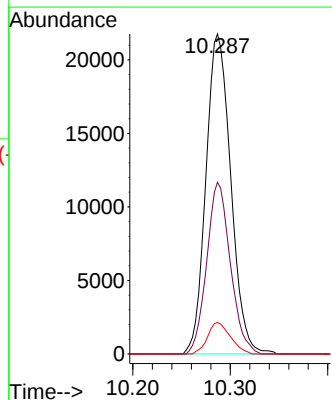
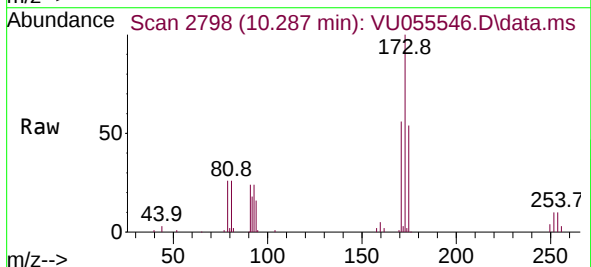
Instrument :
MSVOA_U
ClientSampleId :

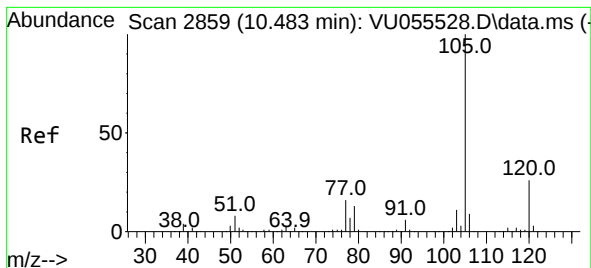
Tgt Ion: 83 Resp: 75154
Ion Ratio Lower Upper
83 100
85 64.7 44.4 82.5
131 9.5 7.4 11.2



#59
Bromoform
Concen: 5.027 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion: 173 Resp: 38559
Ion Ratio Lower Upper
173 100
175 50.9 39.4 59.2
254 9.0 7.3 10.9





#60

Isopropylbenzene

Concen: 4.832 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU055546.D

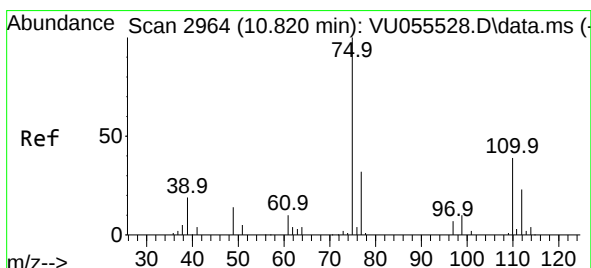
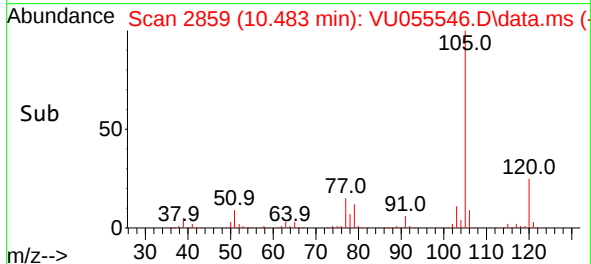
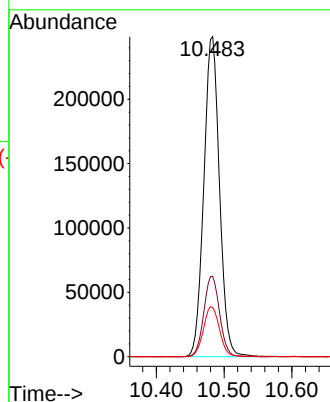
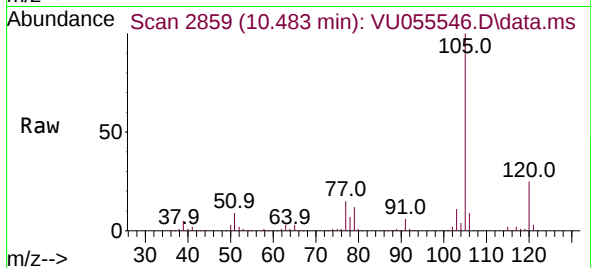
Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	398494
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.8	31.2
77	16.1	12.6	19.0



#61

1,2,3-Trichloropropane

Concen: 4.829 ug/L

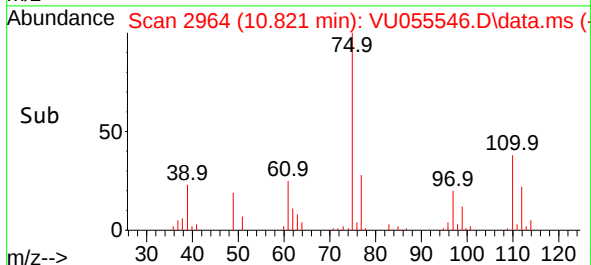
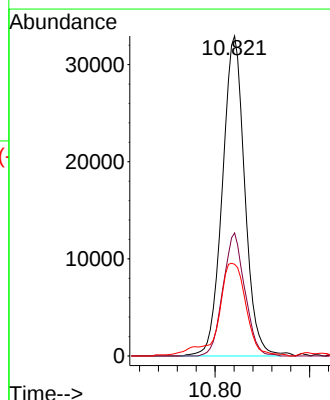
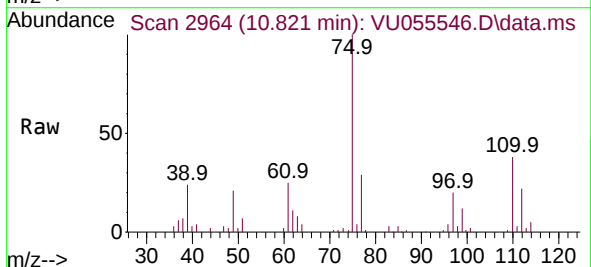
RT: 10.821 min Scan# 2964

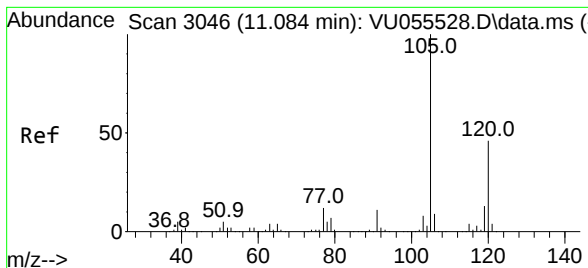
Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Tgt Ion:	75	Resp:	53951
Ion Ratio	Lower	Upper	
75	100		
110	37.7	30.6	45.8
77	36.0	26.7	40.1

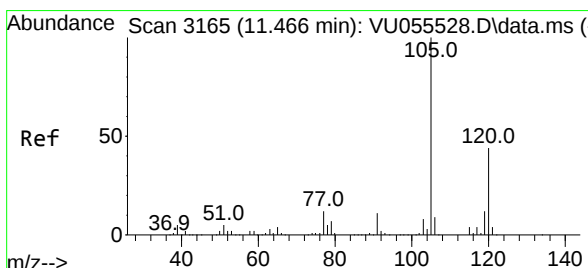
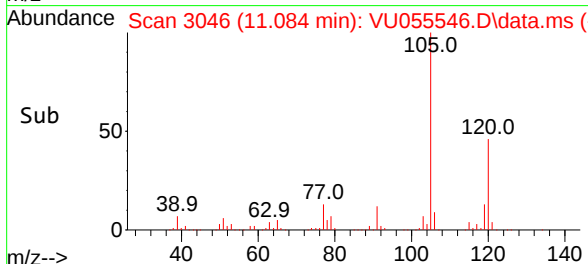
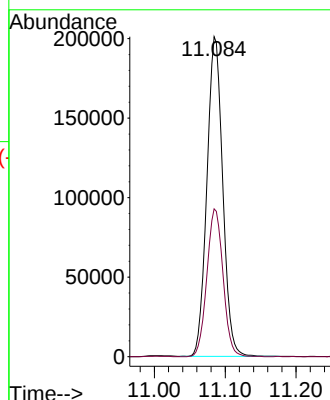
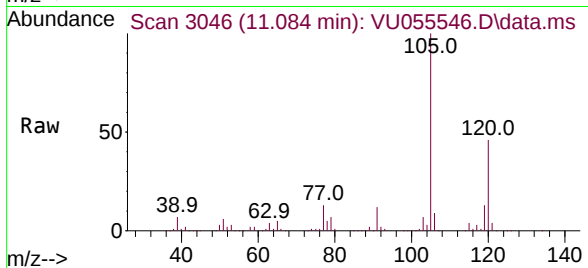




#62
 1,3,5-Trimethylbenzene
 Concen: 4.717 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU055546.D
 Acq: 27 Sep 2023 12:43

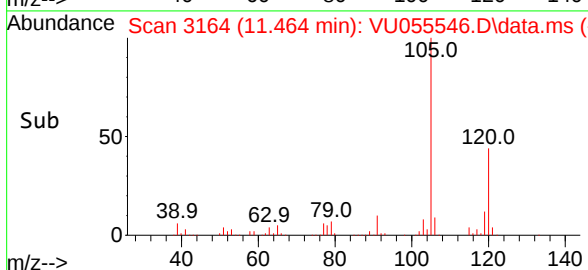
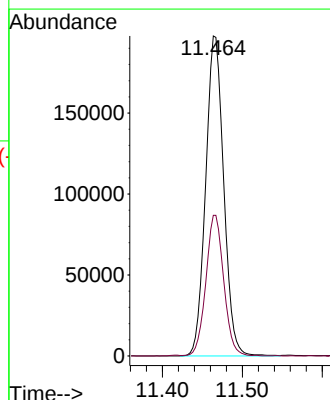
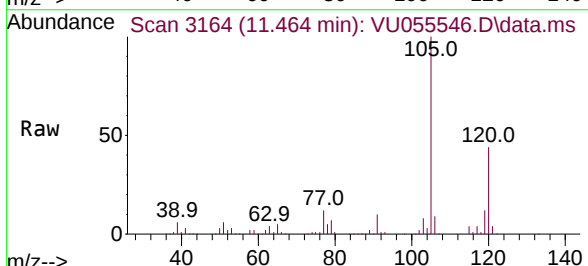
Instrument :
 MSVOA_U
 ClientSampleId :

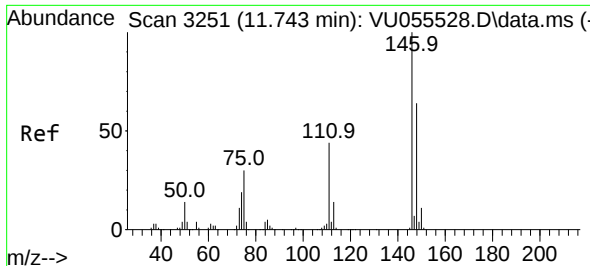
Tgt Ion:105 Resp: 311122
 Ion Ratio Lower Upper
 105 100
 120 47.4 38.1 57.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.815 ug/L
 RT: 11.464 min Scan# 3164
 Delta R.T. -0.003 min
 Lab File: VU055546.D
 Acq: 27 Sep 2023 12:43

Tgt Ion:105 Resp: 310857
 Ion Ratio Lower Upper
 105 100
 120 42.9 34.9 52.3

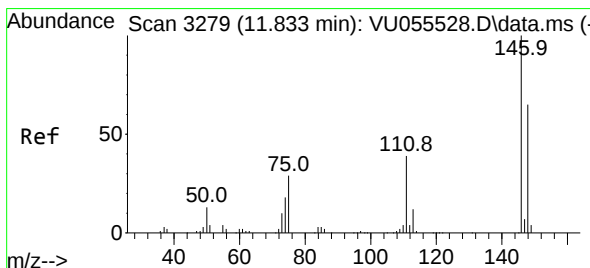
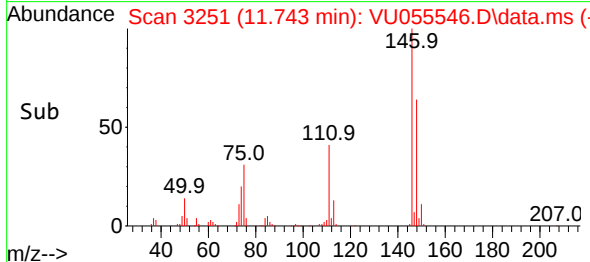
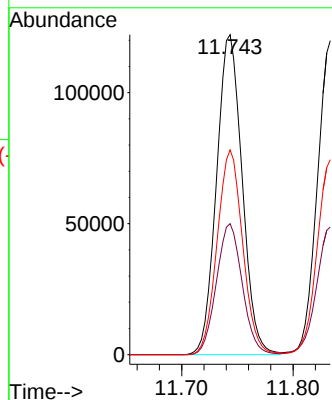
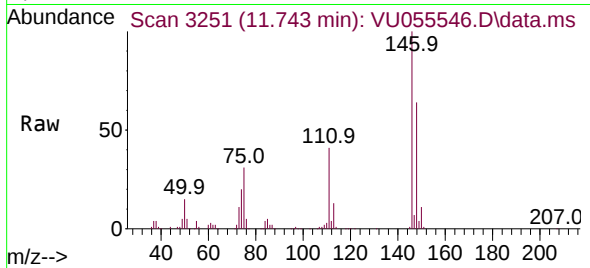




#64
1,3-Dichlorobenzene
Concen: 4.945 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

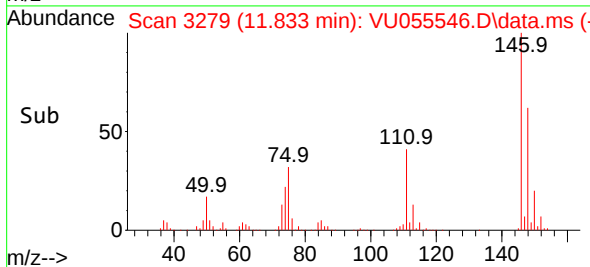
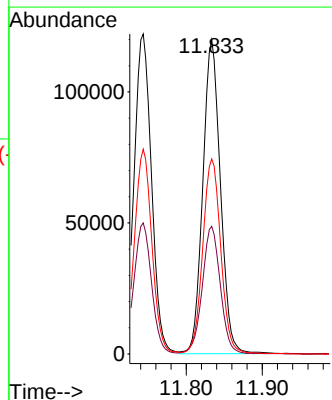
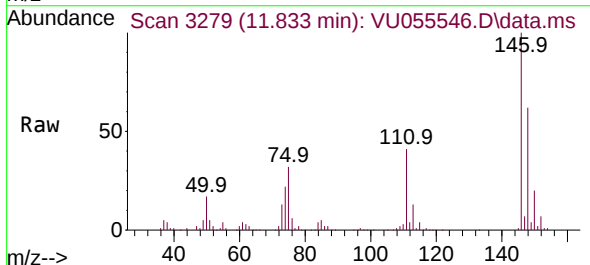
Instrument :
MSVOA_U
ClientSampleId :

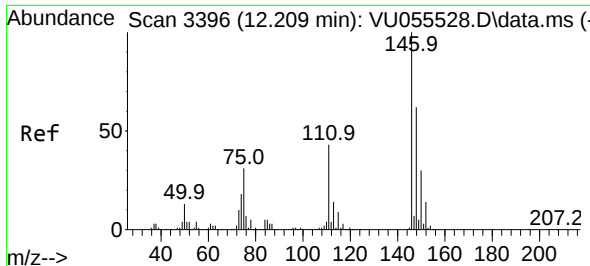
Tgt Ion:146 Resp: 195251
Ion Ratio Lower Upper
146 100
111 40.9 28.8 53.6
148 64.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 4.881 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055546.D
Acq: 27 Sep 2023 12:43

Tgt Ion:146 Resp: 192639
Ion Ratio Lower Upper
146 100
111 40.7 29.0 53.8
148 62.1 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 4.875 ug/L

RT: 12.210 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

ClientSampleId :

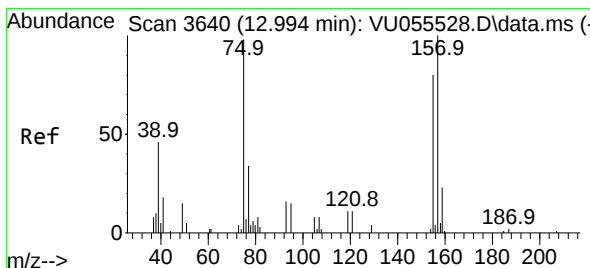
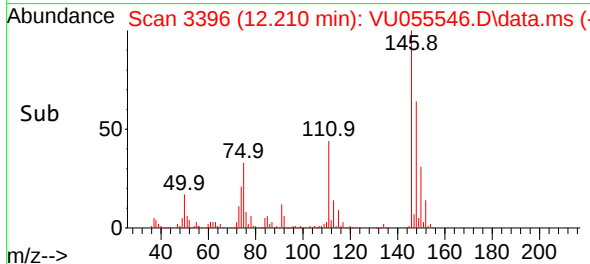
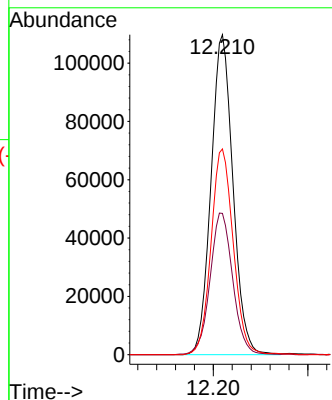
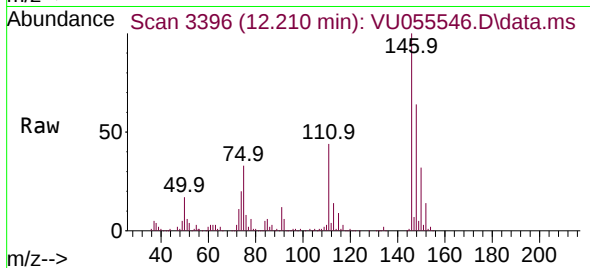
Tgt Ion:146 Resp: 176480

Ion Ratio Lower Upper

146 100

111 44.1 34.6 52.0

148 64.3 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.882 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

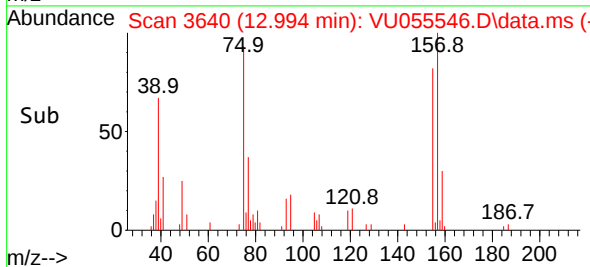
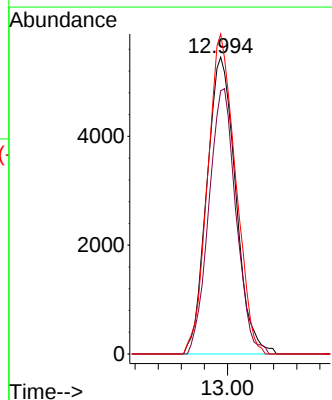
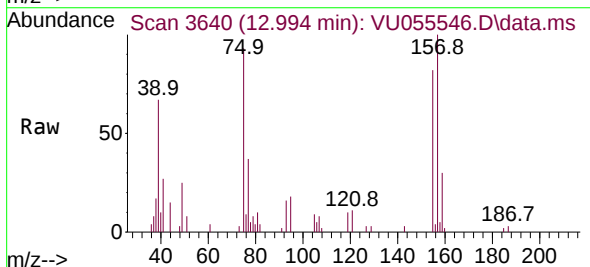
Tgt Ion: 75 Resp: 9453

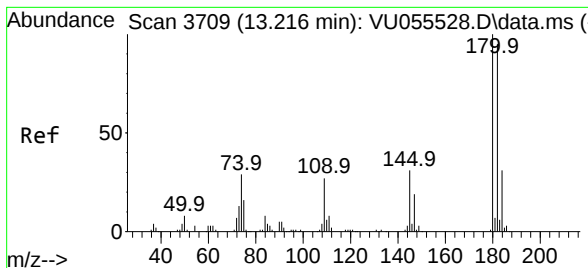
Ion Ratio Lower Upper

75 100

155 88.6 69.2 103.8

157 107.8 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 4.683 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 127348

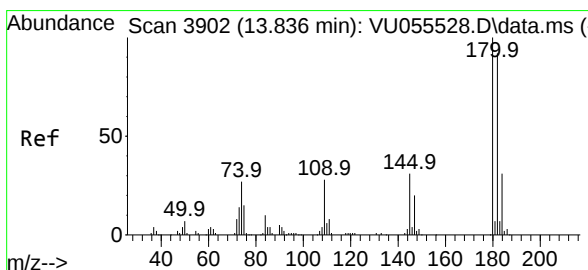
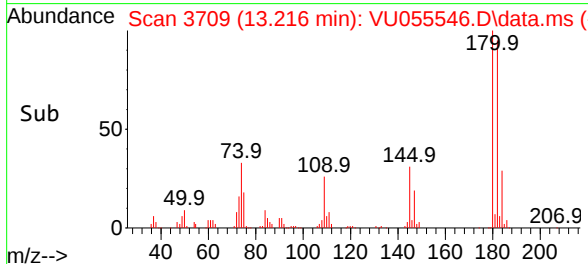
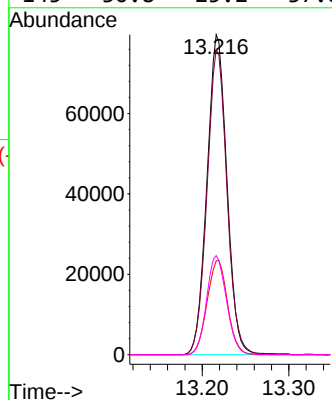
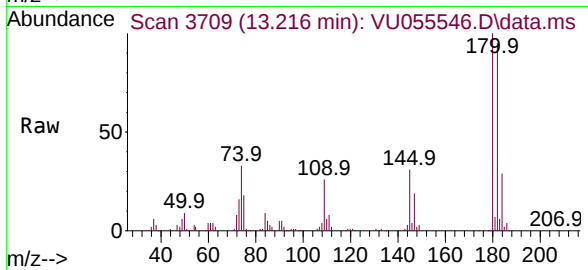
Ion Ratio Lower Upper

180 100

182 95.3 77.1 115.7

184 30.1 24.0 36.0

145 30.8 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 5.124 ug/L

RT: 13.837 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

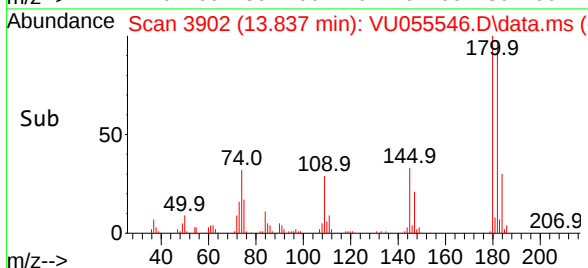
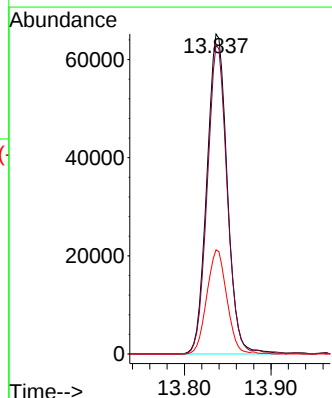
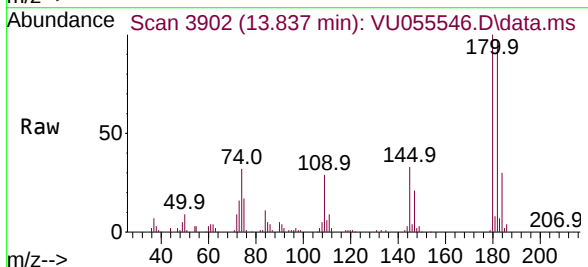
Tgt Ion:180 Resp: 106225

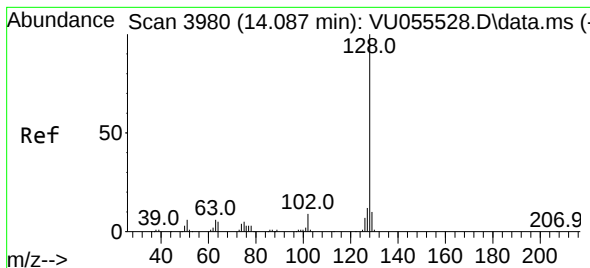
Ion Ratio Lower Upper

180 100

182 94.4 76.4 114.6

145 32.1 25.4 38.0





#71

Naphthalene

Concen: 5.354 ug/L

RT: 14.084 min Scan# 3980

Delta R.T. -0.003 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Instrument :

MSVOA_U

ClientSampleId :

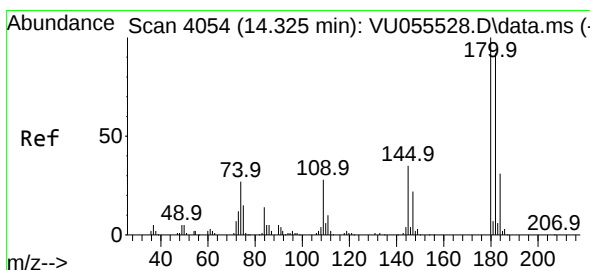
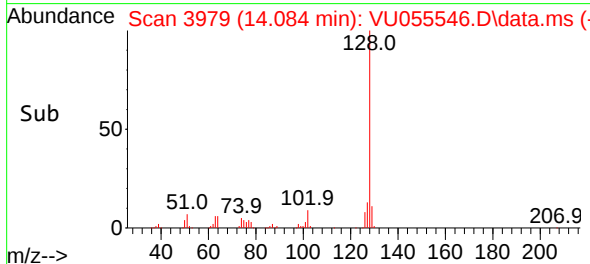
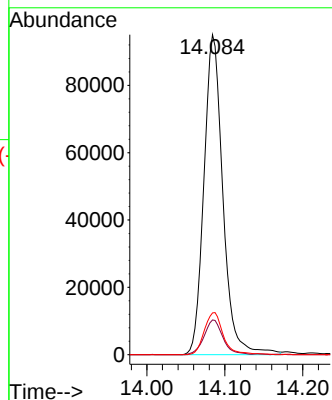
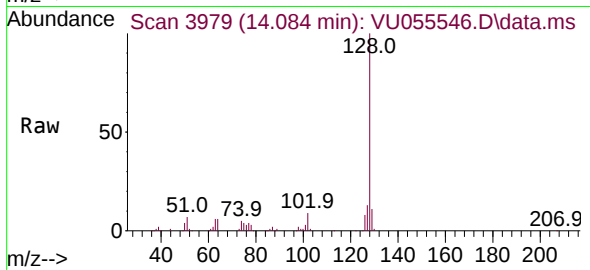
Tgt Ion:128 Resp: 160679

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

127 13.2 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.247 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055546.D

Acq: 27 Sep 2023 12:43

Tgt Ion:180 Resp: 94657

Ion Ratio Lower Upper

180 100

182 94.0 76.2 114.4

145 32.9 26.0 39.0

