

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058454.D
 Acq On : 06 Apr 2024 05:16
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 06:03:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 06 00:37:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	86868	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	83208	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	40250	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	24936	4.336	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.907	69	22127	4.427	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.560	65	11012	4.230	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	4.624	46	58100	47.937	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.880%
24) Chloroform-d	5.052	84	54343	4.733	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.695	65	24686	4.607	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.718	84	103305	4.611	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.682	67	32191	4.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.891	98	91615	4.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.174	79	10190	4.673	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.627	63	43343	48.188	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.380%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	21961	4.428	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	28827	4.252	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.380	85	32548	4.495	ug/L 99
3) Chloromethane	1.515	50	45941	5.185	ug/L 100
5) Vinyl chloride	1.599	62	42526	4.805	ug/L 100
6) Bromomethane	1.853	94	17552	4.192	ug/L 99
8) Chloroethane	1.930	64	26880	4.808	ug/L 97
9) Trichlorofluoromethane	2.133	101	53839	4.607	ug/L 98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	32070	4.618	ug/L 97
12) 1,1-Dichloroethene	2.573	96	57752	9.381	ug/L 87
13) Acetone	2.641	43	44304	42.828	ug/L 99
14) Carbon disulfide	2.788	76	90119	4.608	ug/L 100
15) Methyl Acetate	2.949	43	11690	4.789	ug/L 95
16) Methylene chloride	3.036	84	37181	4.551	ug/L 99
17) Methyl tert-butyl Ether	3.351	73	69908	4.807	ug/L 99
18) trans-1,2-Dichloroethene	3.345	96	30720	4.761	ug/L 92
19) 1,1-Dichloroethane	3.859	63	77992	5.538	ug/L 98
21) 2-Butanone	4.705	43	72405	46.829	ug/L 100
22) cis-1,2-Dichloroethene	4.657	96	34470	4.757	ug/L 100
23) Bromochloromethane	4.965	128	14108	4.942	ug/L 99
25) Chloroform	5.078	83	66824	4.902	ug/L 97

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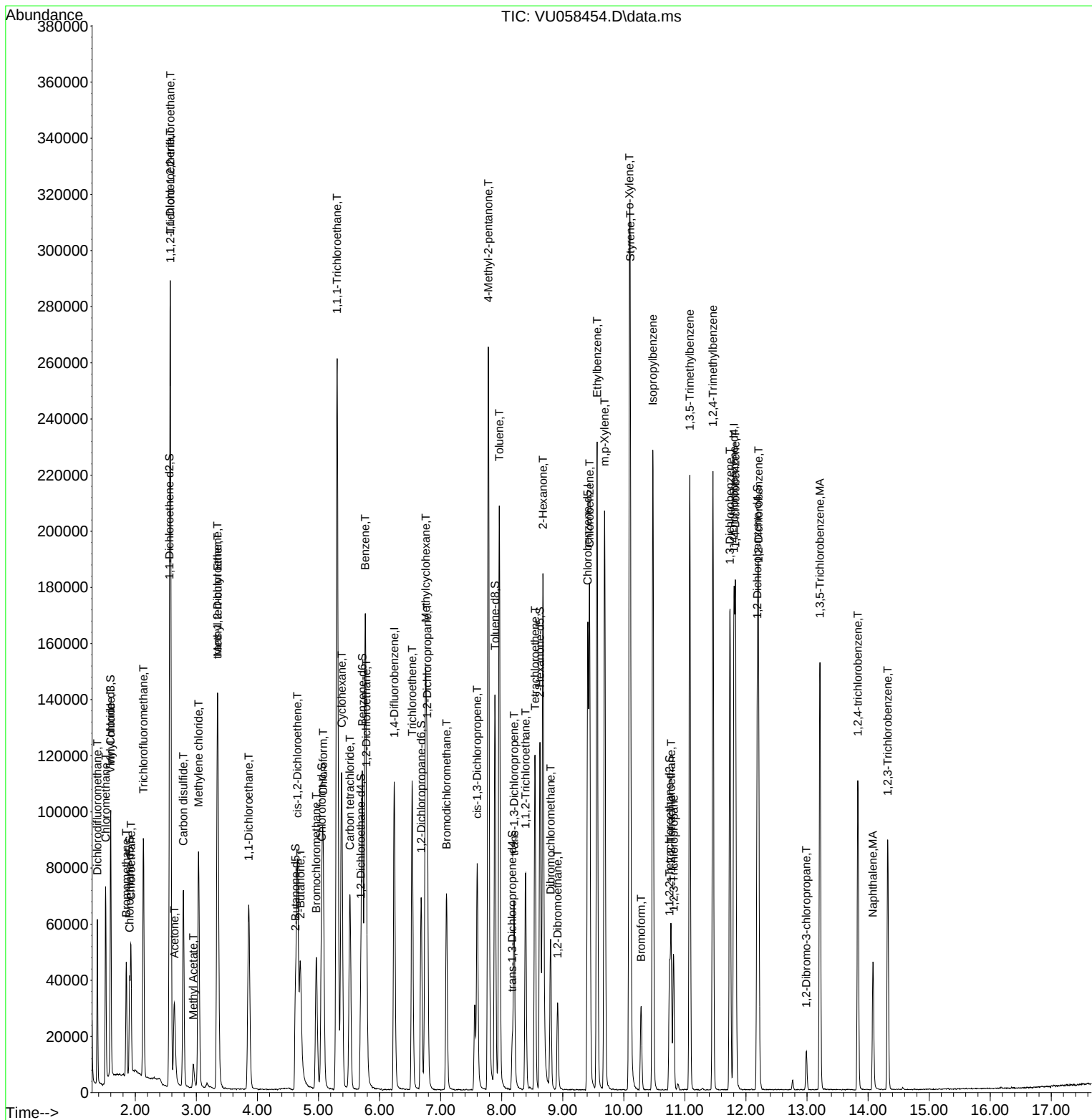
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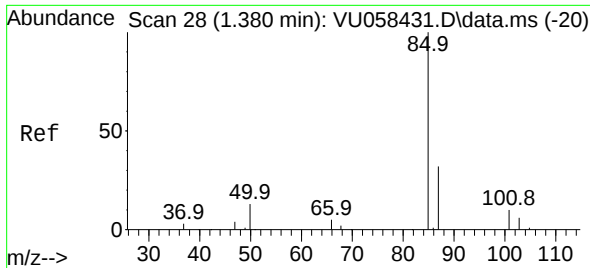
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 06 00:37:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	40058	4.826	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	184526	16.541	ug/L	98
30) Cyclohexane	5.380	56	54529	4.628	ug/L	97
31) Carbon tetrachloride	5.515	117	46709	4.944	ug/L	98
33) Benzene	5.766	78	143151	4.746	ug/L	100
34) Trichloroethene	6.534	95	37859	4.979	ug/L	98
35) Methylcyclohexane	6.756	83	51673	4.511	ug/L	98
37) 1,2-Dichloropropane	6.782	63	39479	4.975	ug/L	99
38) Bromodichloromethane	7.097	83	45515	5.025	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	47455	4.703	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	180533	48.332	ug/L	99
42) Toluene	7.962	91	150391	4.754	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	38285	4.811	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	23267	5.020	ug/L	98
47) Tetrachloroethene	8.547	164	25322	4.543	ug/L	98
48) 2-Hexanone	8.676	43	126733	47.792	ug/L	99
49) Dibromochloromethane	8.801	129	26522	4.950	ug/L	99
50) 1,2-Dibromoethane	8.917	107	21057	4.968	ug/L	99
51) Chlorobenzene	9.441	112	90481	4.727	ug/L	99
52) Ethylbenzene	9.563	91	159449	4.757	ug/L	99
53) m,p-Xylene	9.685	106	57499	4.791	ug/L	99
54) o-Xylene	10.094	106	56959	4.841	ug/L	99
55) Styrene	10.106	104	93270	4.927	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	27755	4.855	ug/L	100
59) Bromoform	10.283	173	13353	4.965	ug/L	99
60) Isopropylbenzene	10.476	105	143796	4.880	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	19958	4.860	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	113975	4.743	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	117197	4.777	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	66259	4.629	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	63539	4.556	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	59709	4.586	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	3756	5.393	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	44679	4.221	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	31732	3.888	ug/L	99
71) Naphthalene	14.081	128	38046	3.402	ug/L	97
72) 1,2,3-Trichlorobenzene	14.322	180	25963	3.852	ug/L	98

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

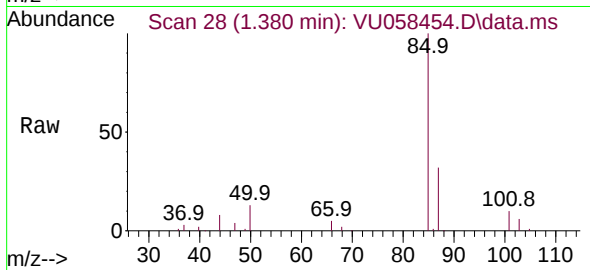
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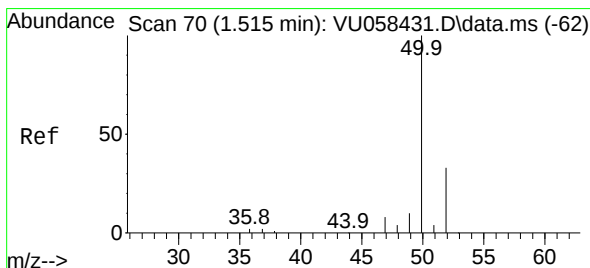
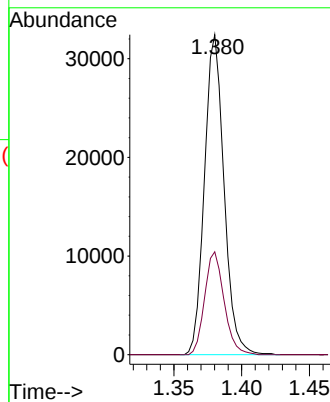
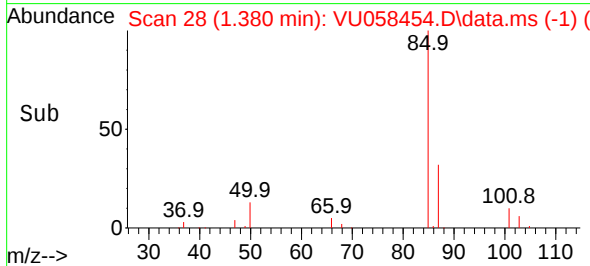


#2
 Dichlorodifluoromethane
 Concen: 4.495 ug/L
 RT: 1.380 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU058454.D
 Acq: 06 Apr 2024 05:16

Instrument :
 MSVOA_U
 ClientSampleId :

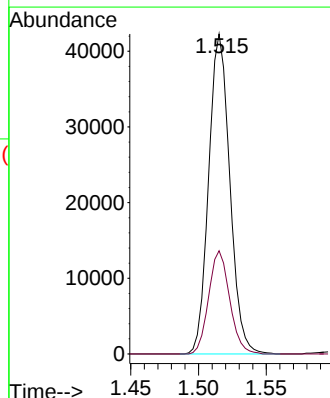
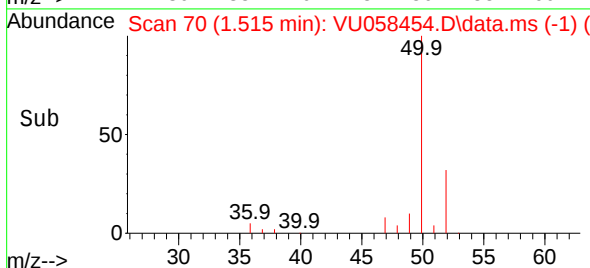
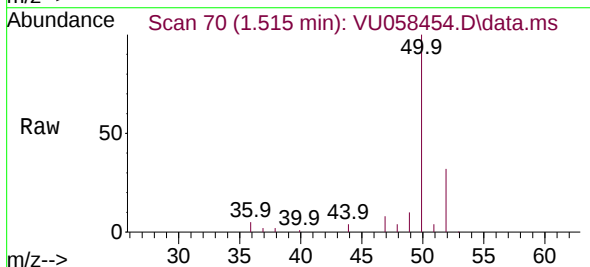


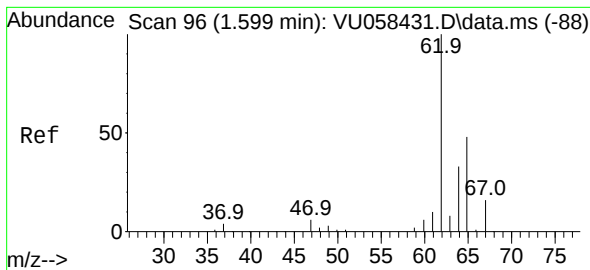
Tgt Ion: 85 Resp: 32548
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.9 38.9



#3
 Chloromethane
 Concen: 5.185 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU058454.D
 Acq: 06 Apr 2024 05:16

Tgt Ion: 50 Resp: 45941
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.6 42.0





#5

Vinyl chloride

Concen: 4.805 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

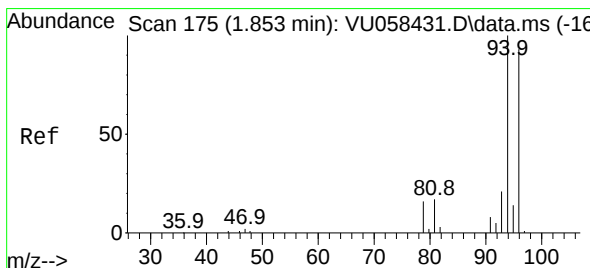
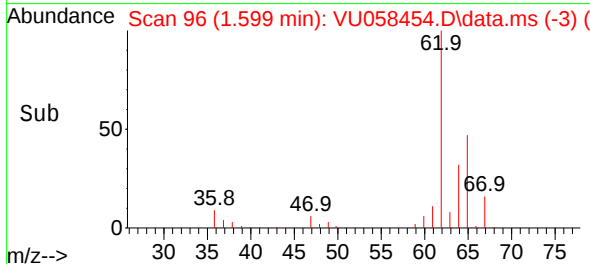
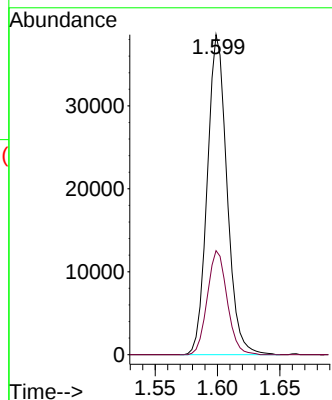
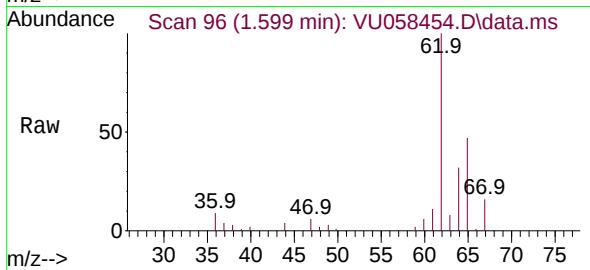
ClientSampleId :

Tgt Ion: 62 Resp: 42526

Ion Ratio Lower Upper

62 100

64 32.5 22.6 42.0



#6

Bromomethane

Concen: 4.192 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU058454.D

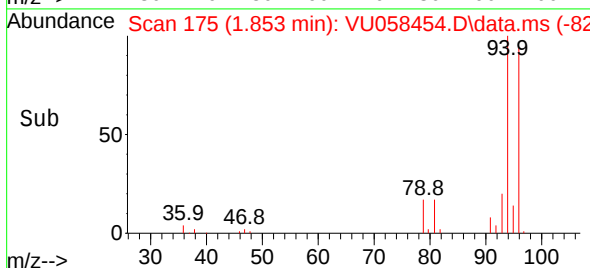
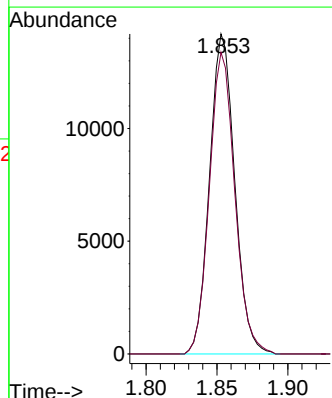
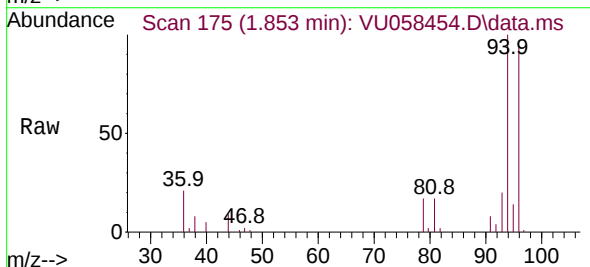
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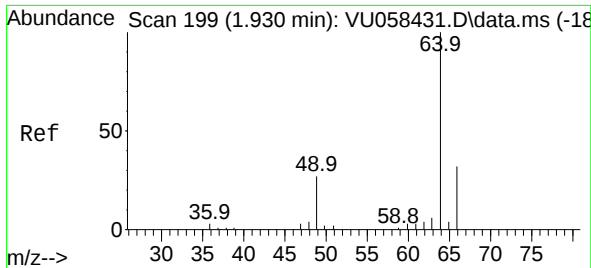
Tgt Ion: 94 Resp: 17552

Ion Ratio Lower Upper

94 100

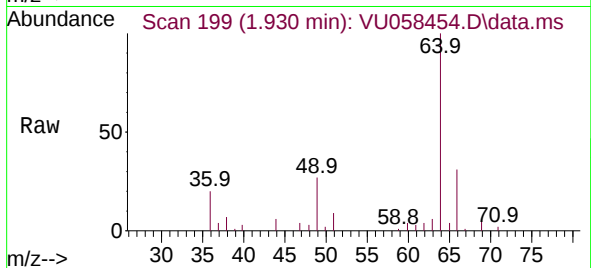
96 94.3 65.4 121.4



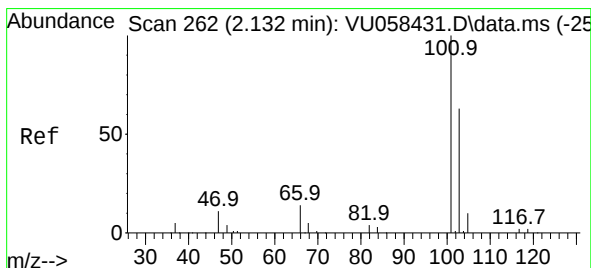
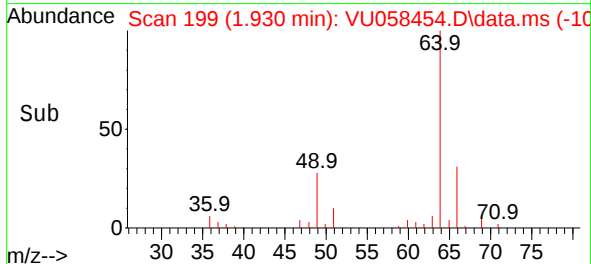
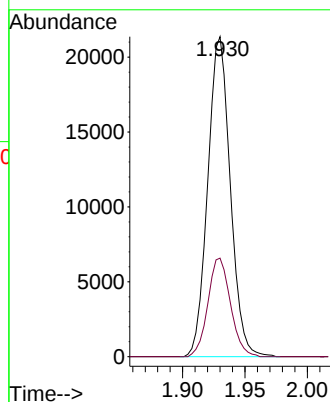


#8
Chloroethane
Concen: 4.808 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Instrument :
MSVOA_U
ClientSampleId :

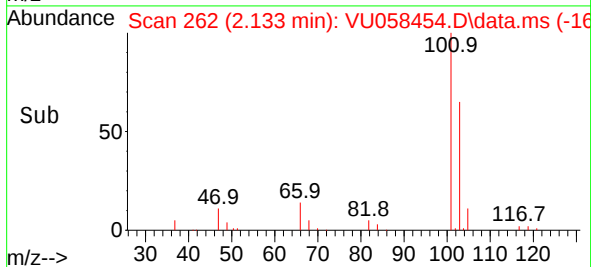
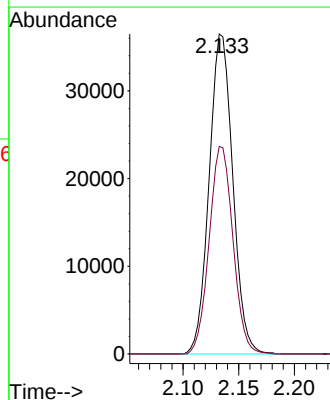
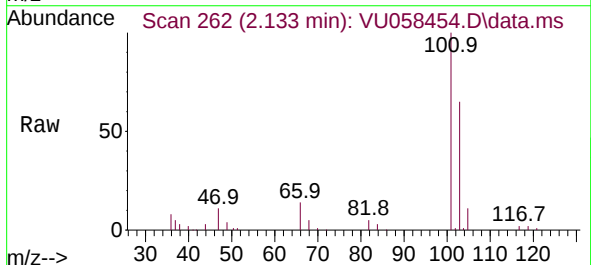


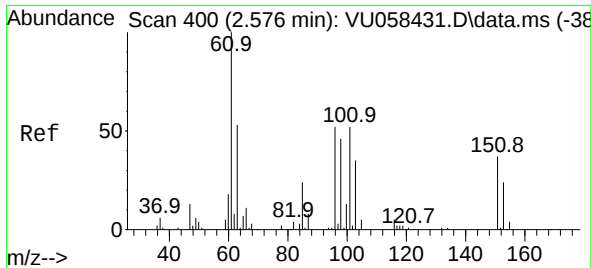
Tgt Ion: 64 Resp: 26880
Ion Ratio Lower Upper
64 100
66 30.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.607 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Tgt Ion: 101 Resp: 53839
Ion Ratio Lower Upper
101 100
103 65.3 51.2 76.8

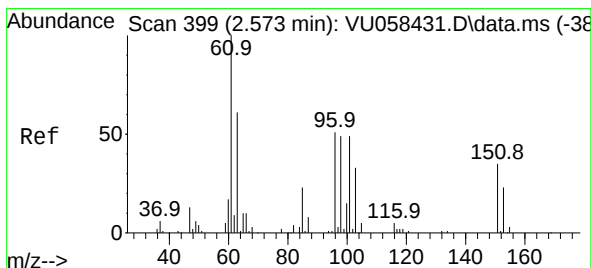
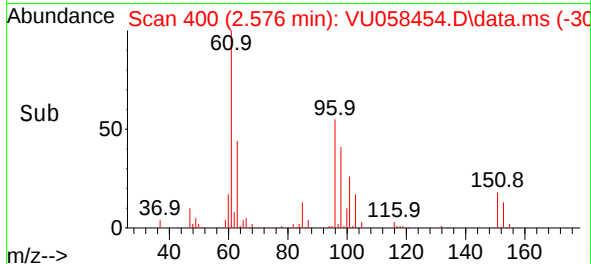
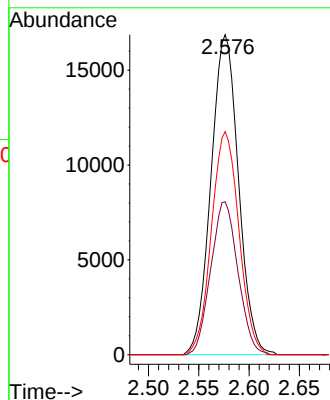
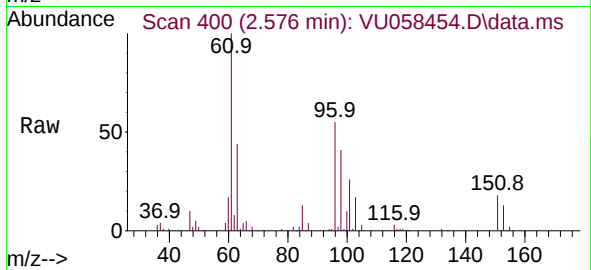




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.618 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

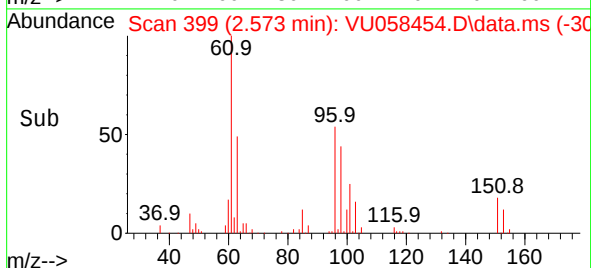
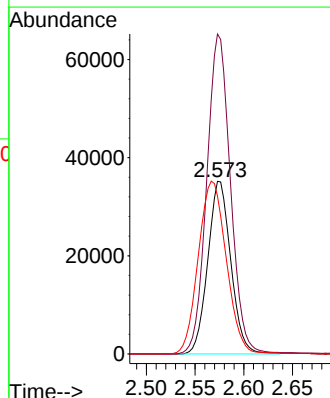
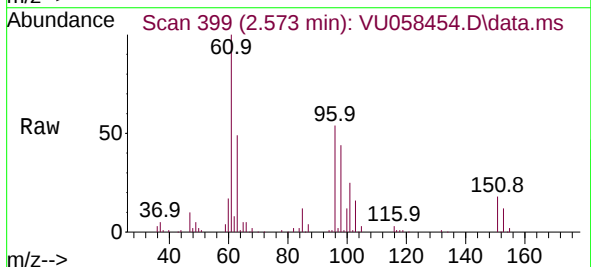
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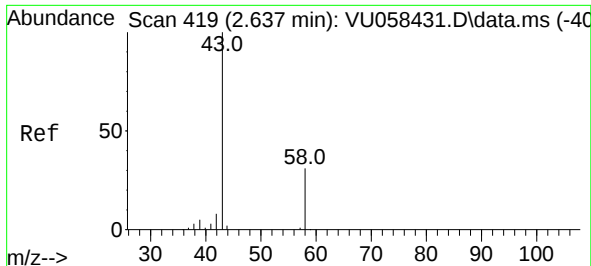
Tgt Ion:101 Resp: 32070
Ion Ratio Lower Upper
101 100
85 47.2 36.8 55.2
151 69.7 58.2 87.4



#12
1,1-Dichloroethene
Concen: 9.381 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Tgt Ion: 96 Resp: 57752
Ion Ratio Lower Upper
96 100
61 185.4 132.5 246.1
63 91.5 87.7 162.9





#13

Acetone

Concen: 42.828 ug/L

RT: 2.641 min Scan# 419

Delta R.T. 0.003 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

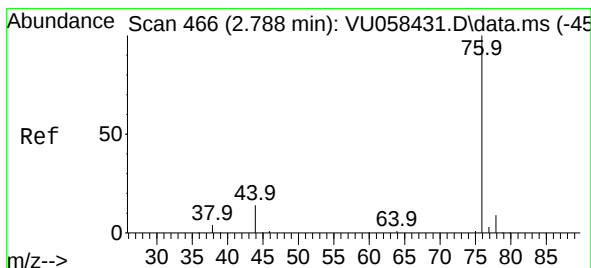
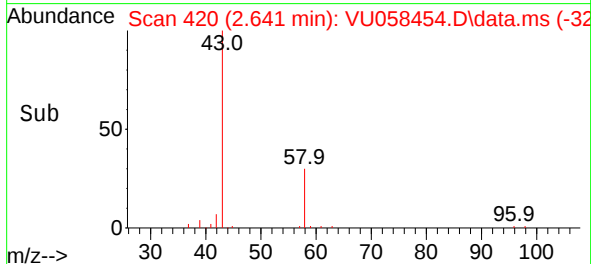
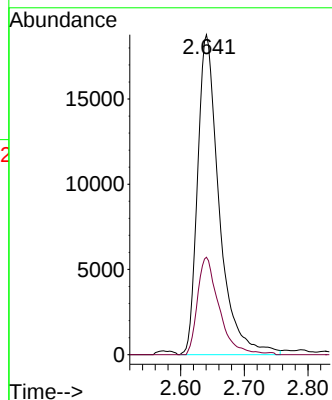
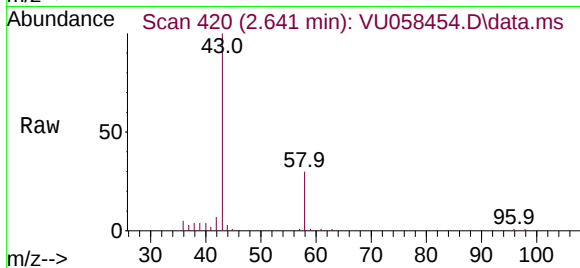
ClientSampleId :

Tgt Ion: 43 Resp: 44304

Ion Ratio Lower Upper

43 100

58 30.3 0.0 61.4



#14

Carbon disulfide

Concen: 4.608 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU058454.D

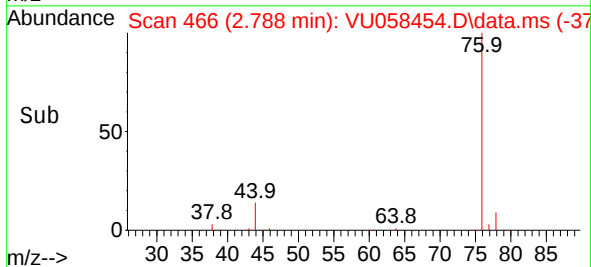
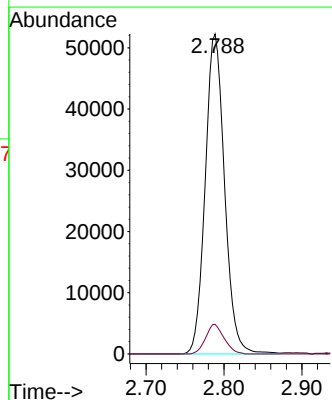
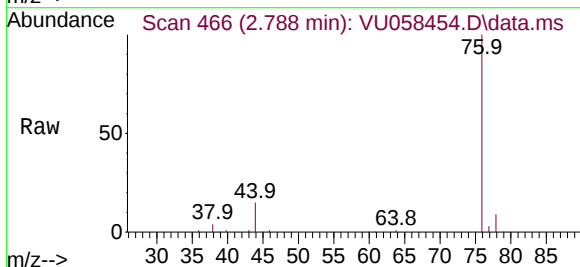
Acq: 06 Apr 2024 05:16

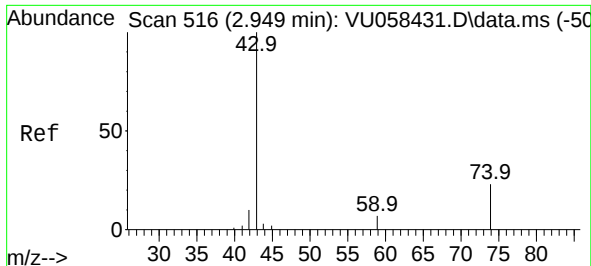
Tgt Ion: 76 Resp: 90119

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#15

Methyl Acetate

Concen: 4.789 ug/L

RT: 2.949 min Scan# 516

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

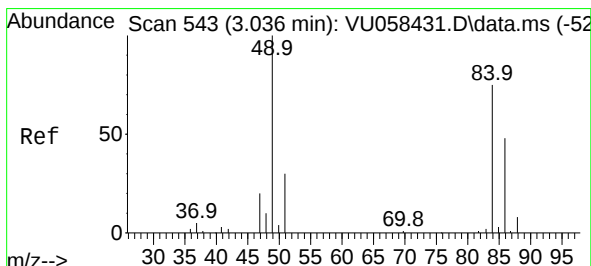
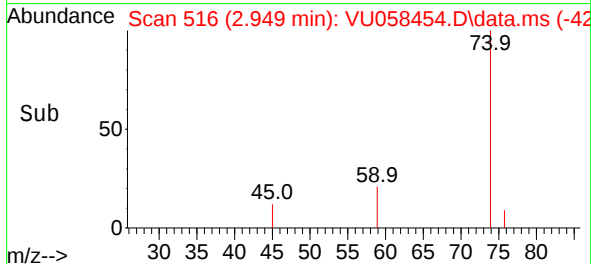
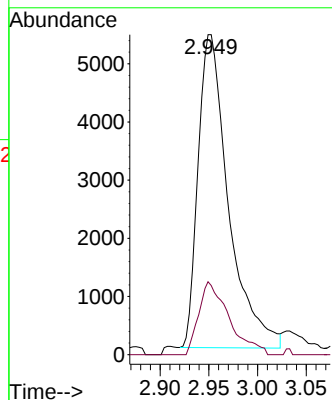
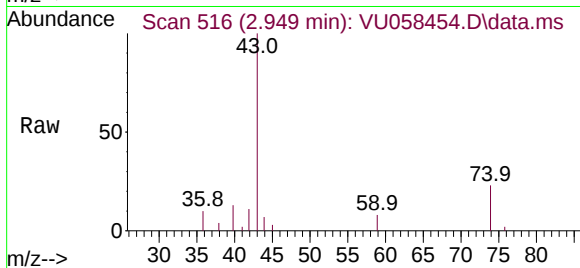
ClientSampleId :

Tgt Ion: 43 Resp: 11690

Ion Ratio Lower Upper

43 100

74 23.2 16.6 25.0



#16

Methylene chloride

Concen: 4.551 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

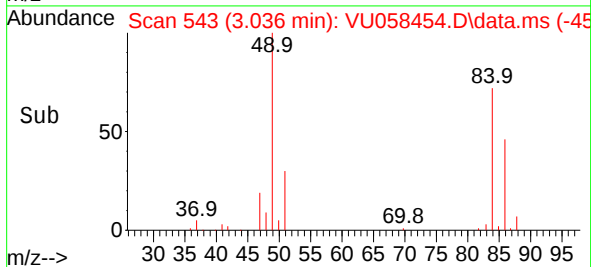
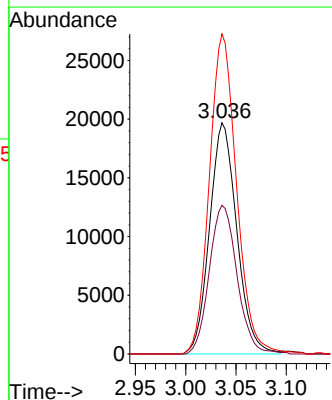
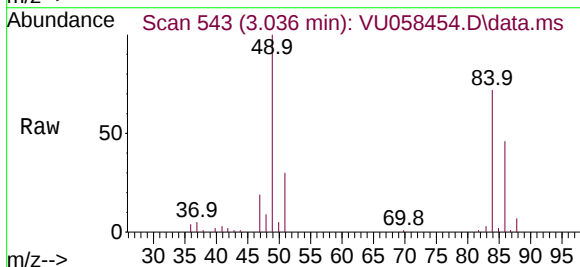
Tgt Ion: 84 Resp: 37181

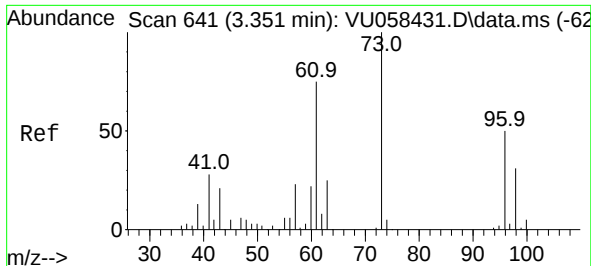
Ion Ratio Lower Upper

84 100

86 64.3 44.3 82.3

49 138.4 96.0 178.2

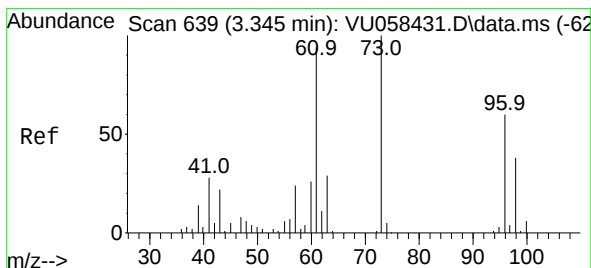
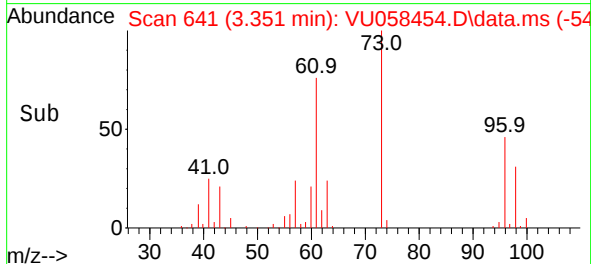
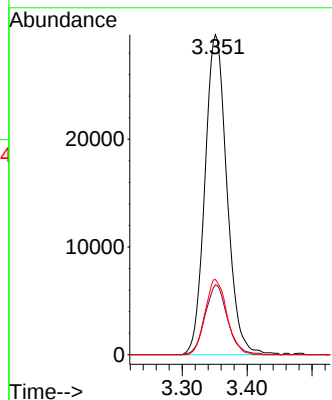
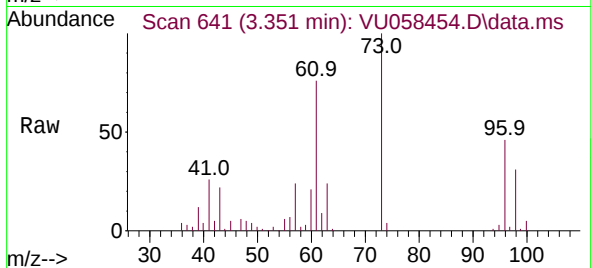




#17
Methyl tert-butyl Ether
Concen: 4.807 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

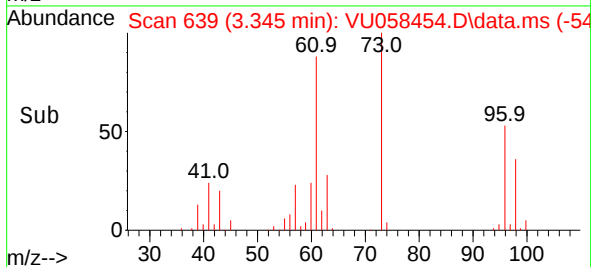
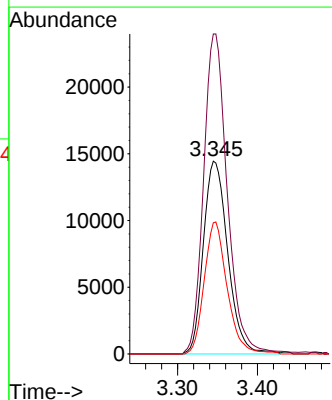
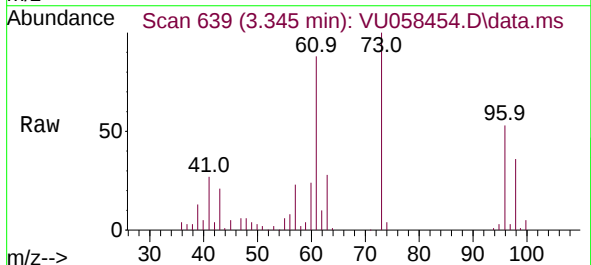
Instrument :
MSVOA_U
ClientSampleId :

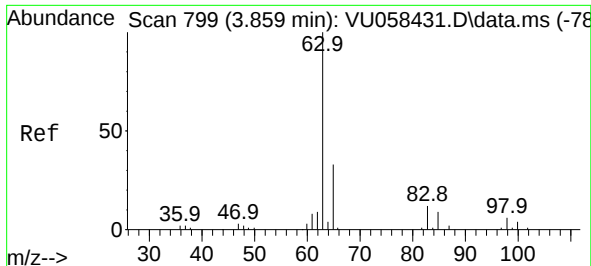
Tgt Ion: 73 Resp: 69908
Ion Ratio Lower Upper
73 100
43 22.2 17.4 26.2
57 23.3 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 4.761 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Tgt Ion: 96 Resp: 30720
Ion Ratio Lower Upper
96 100
61 165.9 107.6 199.8
98 68.0 45.1 83.7

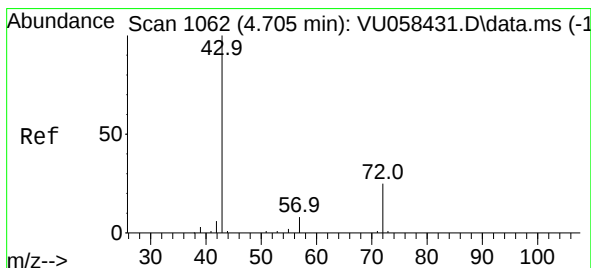
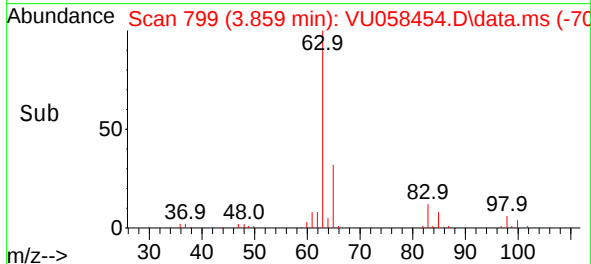
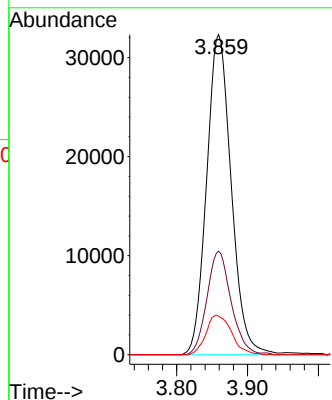
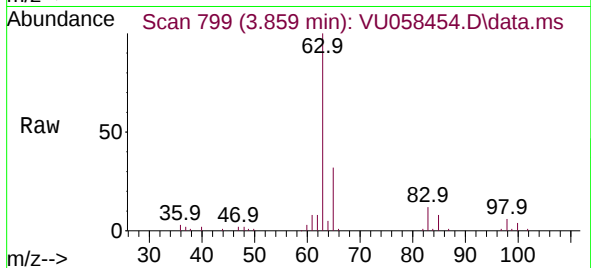




#19
1,1-Dichloroethane
Concen: 5.538 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

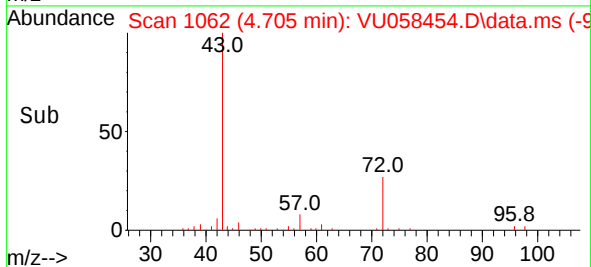
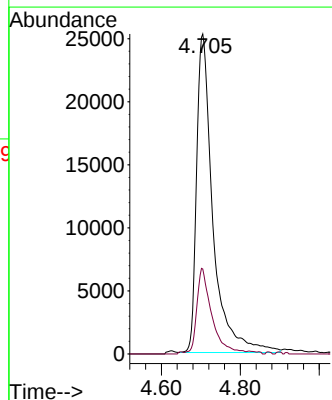
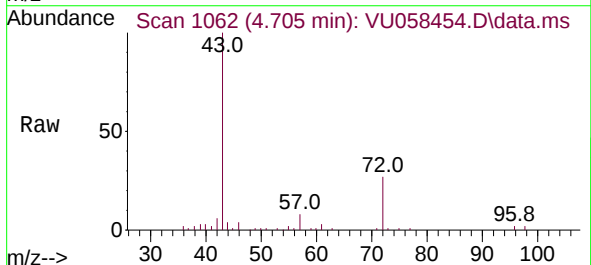
Instrument :
MSVOA_U
ClientSampleId :

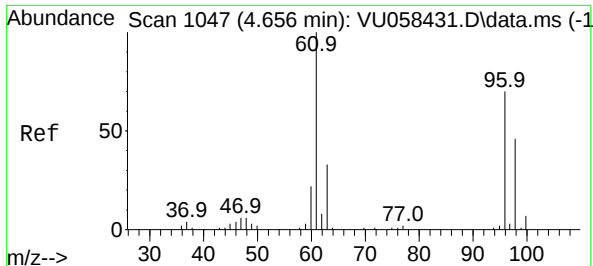
Tgt Ion: 63 Resp: 77992
Ion Ratio Lower Upper
63 100
65 32.3 22.9 42.5
83 12.1 9.6 17.8



#21
2-Butanone
Concen: 46.829 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

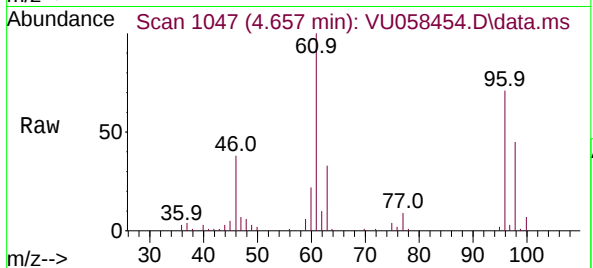
Tgt Ion: 43 Resp: 72405
Ion Ratio Lower Upper
43 100
72 23.2 11.7 35.0



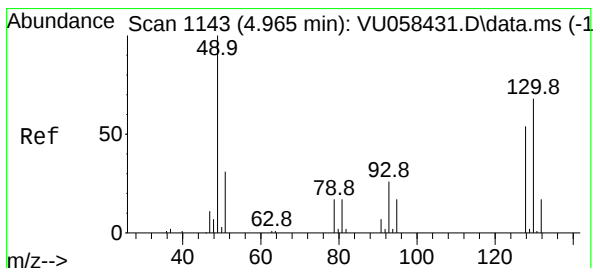
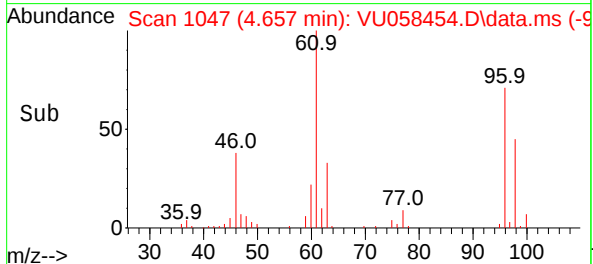
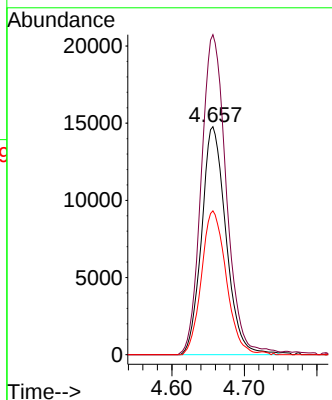


#22
 cis-1,2-Dichloroethene
 Concen: 4.757 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU058454.D
 Acq: 06 Apr 2024 05:16

Instrument :
 MSVOA_U
 ClientSampleId :

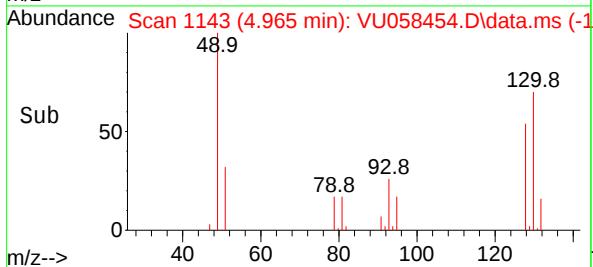
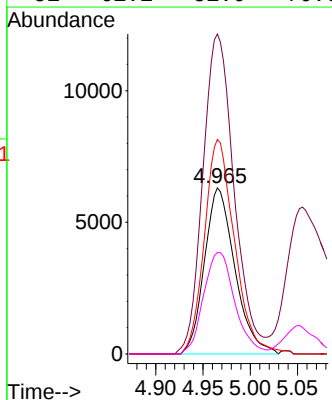
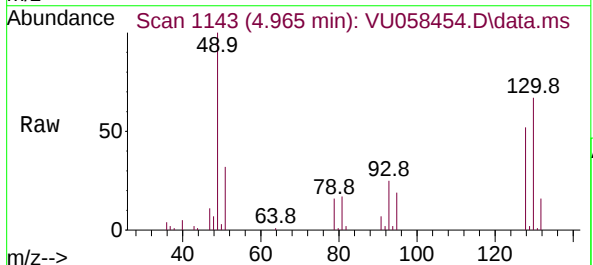


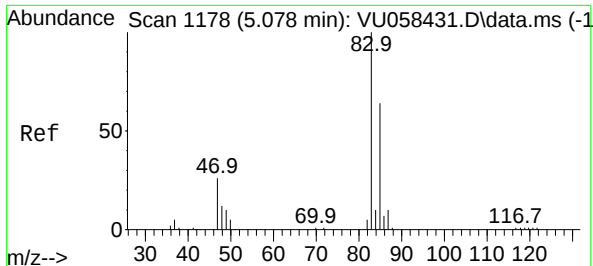
Tgt Ion: 96 Resp: 34470
 Ion Ratio Lower Upper
 96 100
 61 140.4 98.1 182.3
 98 63.1 43.6 81.0



#23
 Bromochloromethane
 Concen: 4.942 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VU058454.D
 Acq: 06 Apr 2024 05:16

Tgt Ion: 128 Resp: 14108
 Ion Ratio Lower Upper
 128 100
 49 192.6 134.4 249.6
 130 129.1 90.0 167.2
 51 61.1 51.0 76.6





#25

Chloroform

Concen: 4.902 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

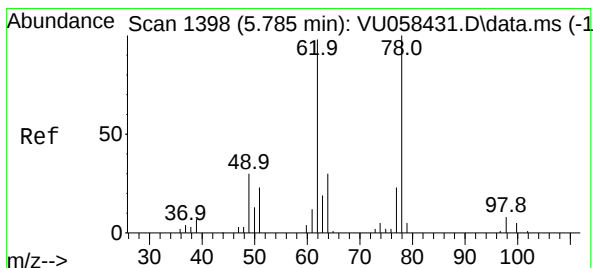
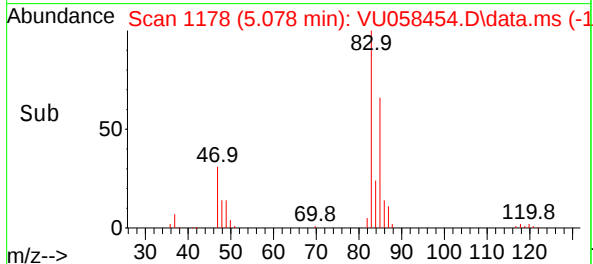
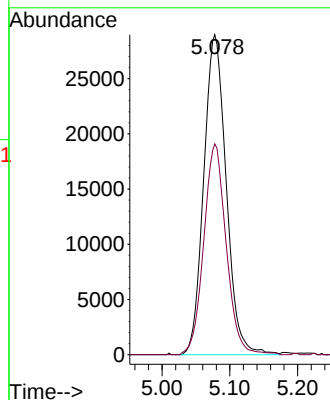
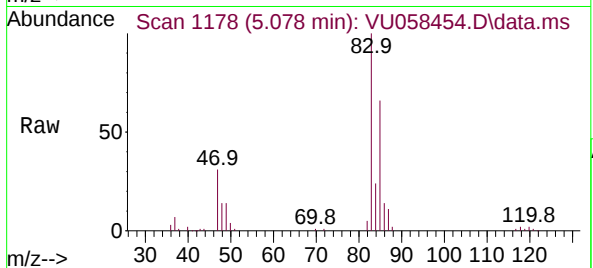
ClientSampleId :

Tgt Ion: 83 Resp: 66824

Ion Ratio Lower Upper

83 100

85 65.9 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.826 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU058454.D

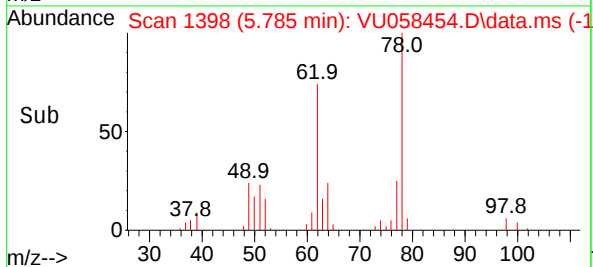
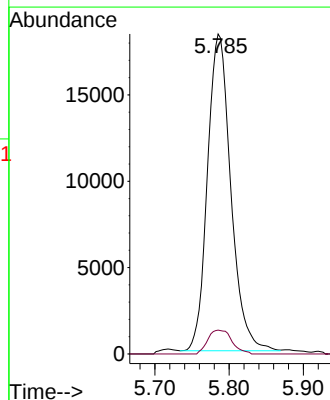
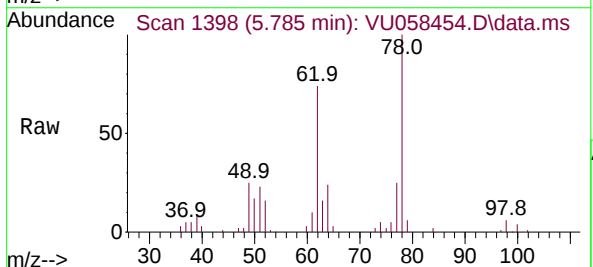
Acq: 06 Apr 2024 05:16

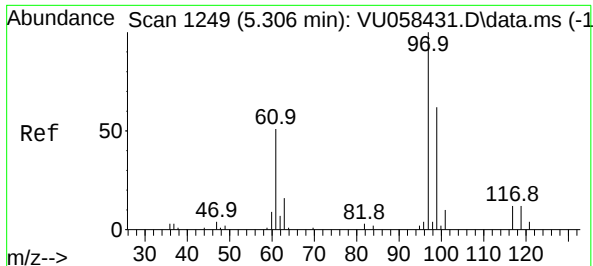
Tgt Ion: 62 Resp: 40058

Ion Ratio Lower Upper

62 100

98 7.5 7.0 10.4

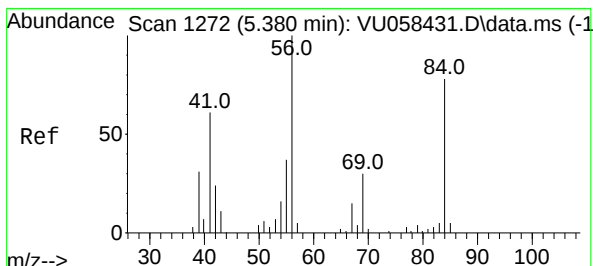
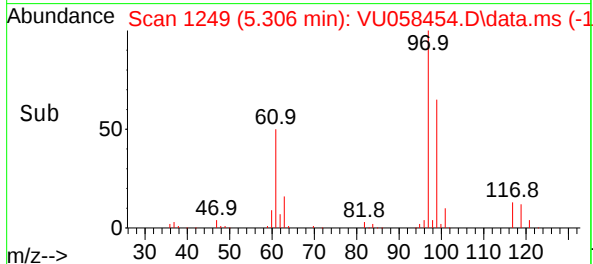
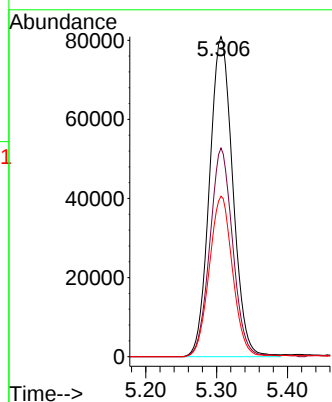
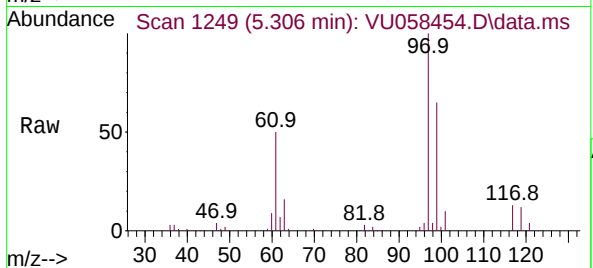




#29
1,1,1-Trichloroethane
Concen: 16.541 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

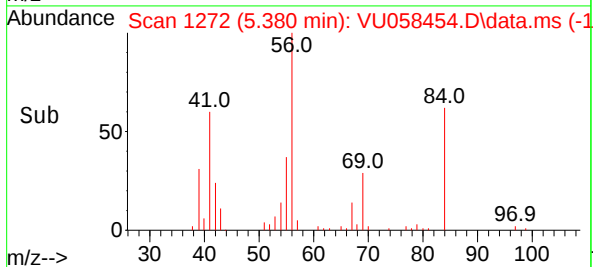
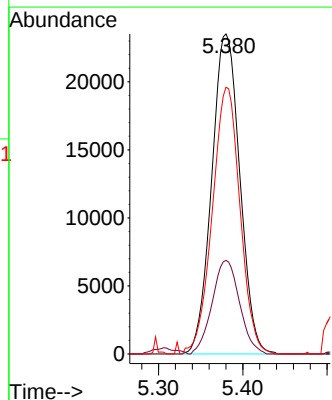
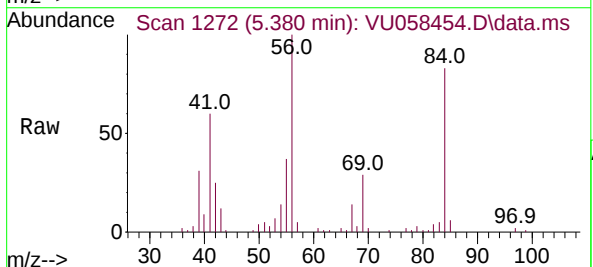
Instrument :
MSVOA_U
ClientSampleId :

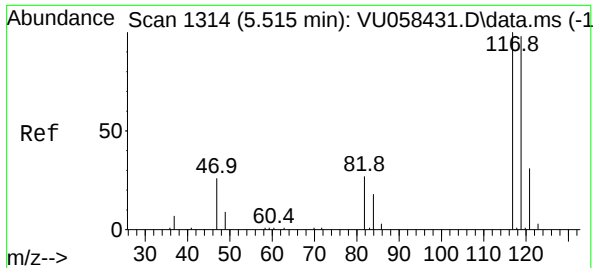
Tgt Ion: 97 Resp: 184526
Ion Ratio Lower Upper
97 100
99 64.4 50.4 75.6
61 50.0 39.4 59.0



#30
Cyclohexane
Concen: 4.628 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Tgt Ion: 56 Resp: 54529
Ion Ratio Lower Upper
56 100
69 28.5 23.2 34.8
84 82.0 63.3 94.9

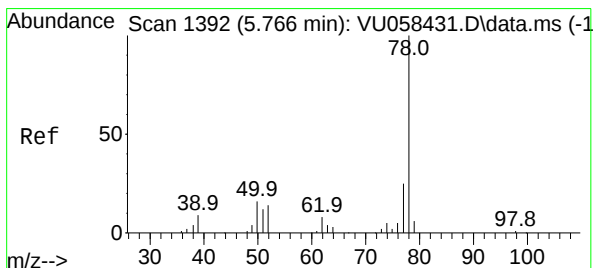
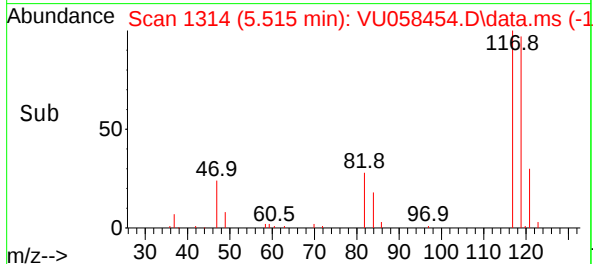
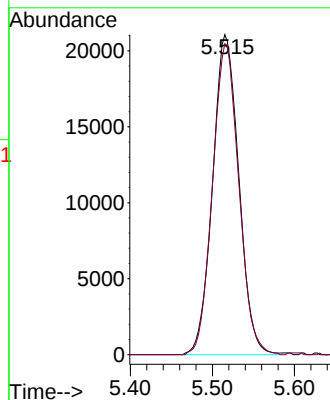
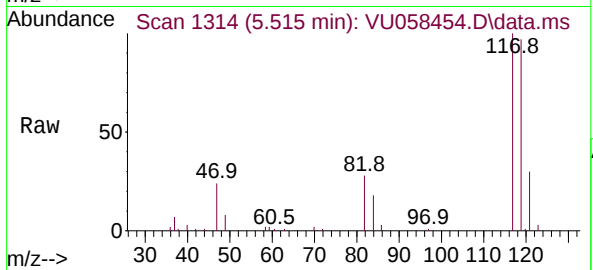




#31
Carbon tetrachloride
Concen: 4.944 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

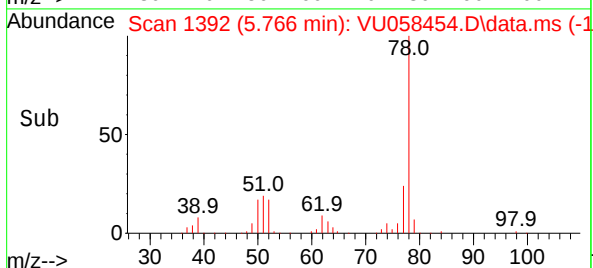
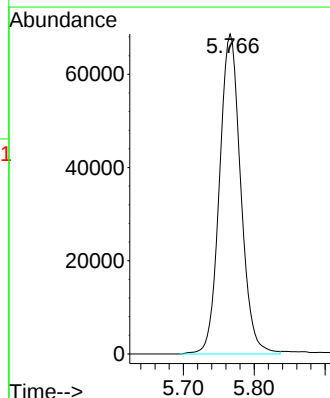
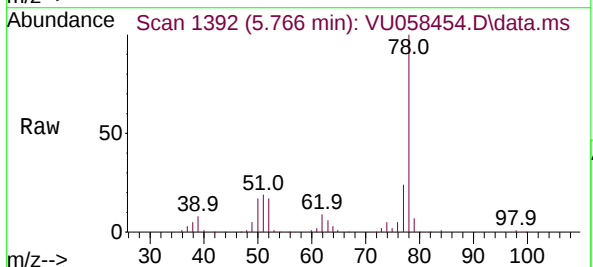
Instrument :
MSVOA_U
ClientSampleId :

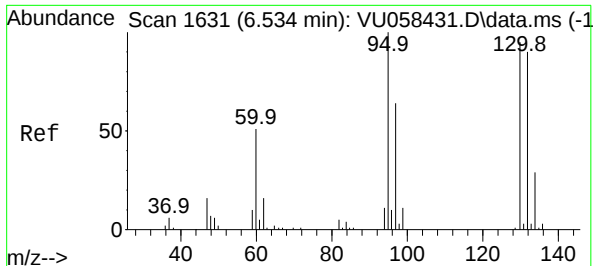
Tgt Ion:117 Resp: 46709
Ion Ratio Lower Upper
117 100
119 97.4 76.7 115.1



#33
Benzene
Concen: 4.746 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

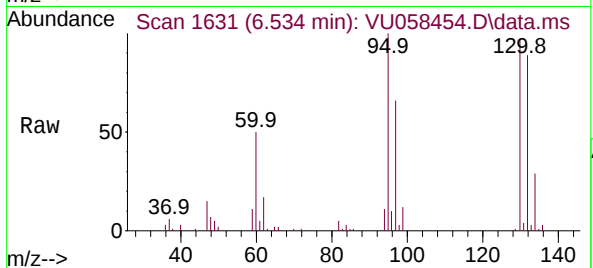
Tgt Ion: 78 Resp: 143151





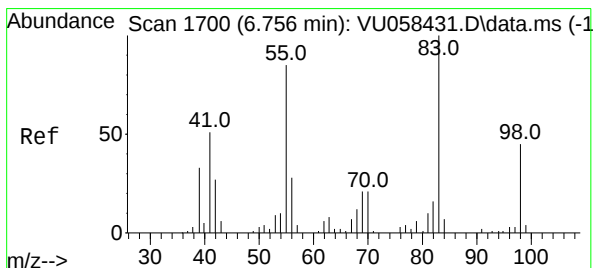
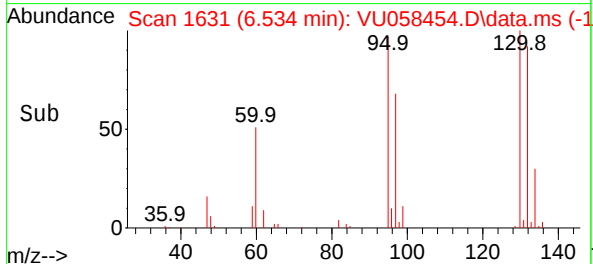
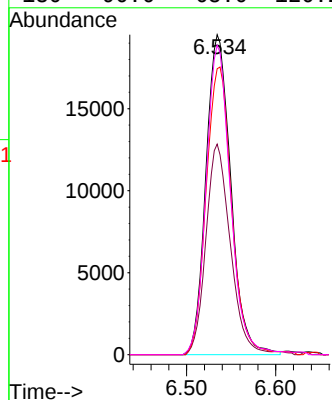
#34
Trichloroethene
Concen: 4.979 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 37859

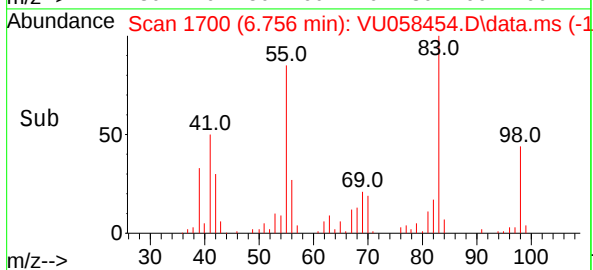
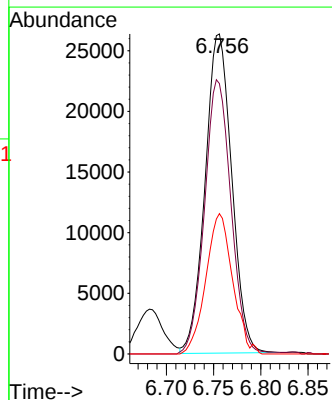
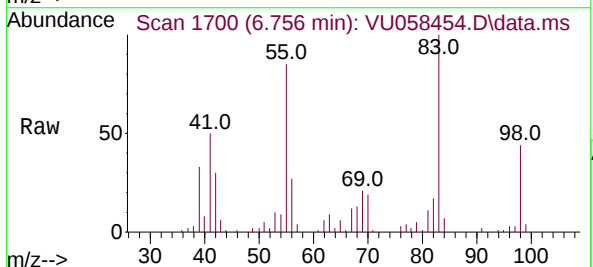
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.6	84.6
132	89.3	64.8	120.3
130	96.6	68.0	126.2

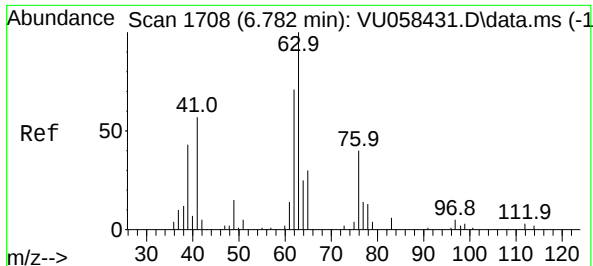


#35
Methylcyclohexane
Concen: 4.511 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Tgt Ion: 83 Resp: 51673

Ion	Ratio	Lower	Upper
83	100		
55	85.3	66.2	99.4
98	44.1	34.6	52.0

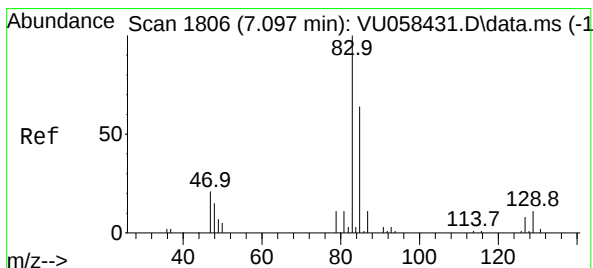
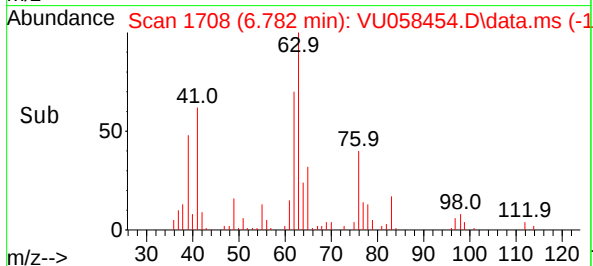
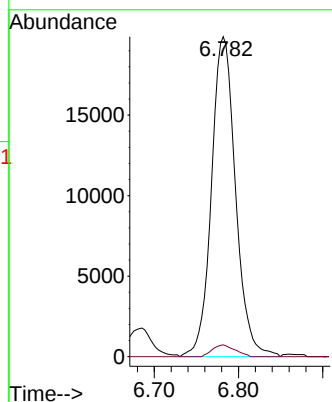
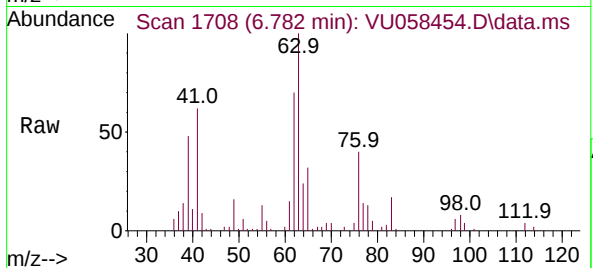




#37
1,2-Dichloropropane
Concen: 4.975 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

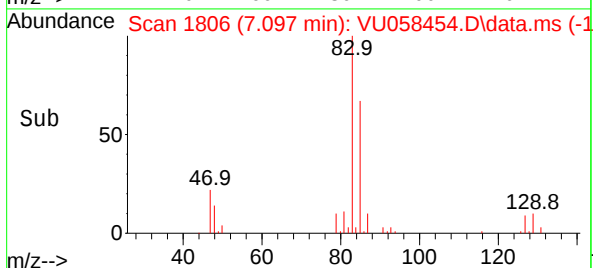
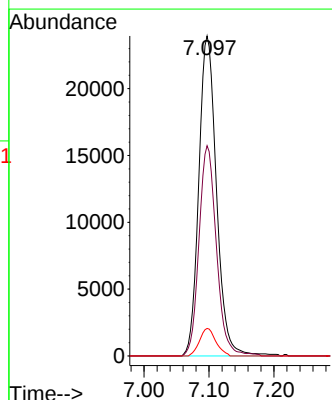
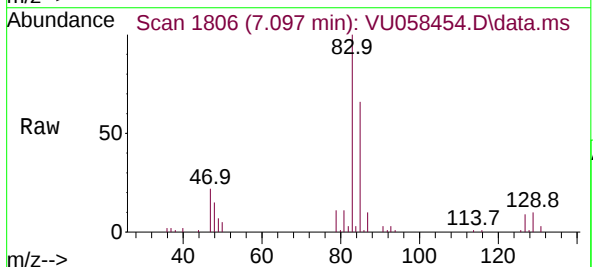
Instrument :
MSVOA_U
ClientSampleId :

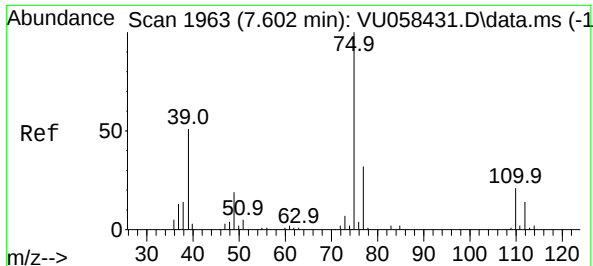
Tgt Ion: 63 Resp: 39479
Ion Ratio Lower Upper
63 100
112 3.5 2.6 4.0



#38
Bromodichloromethane
Concen: 5.025 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Tgt Ion: 83 Resp: 45515
Ion Ratio Lower Upper
83 100
85 65.7 44.2 82.2
127 8.6 6.5 9.7

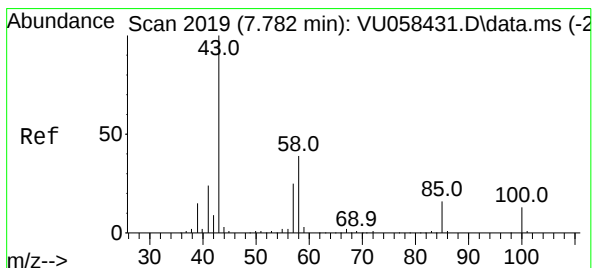
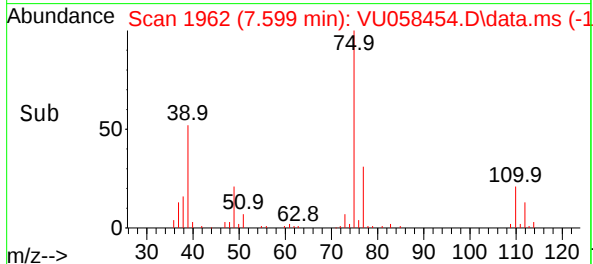
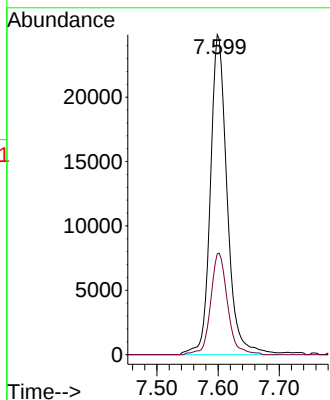
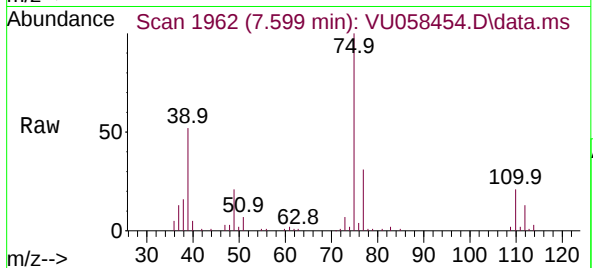




#39
 cis-1,3-Dichloropropene
 Concen: 4.703 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. -0.003 min
 Lab File: VU058454.D
 Acq: 06 Apr 2024 05:16

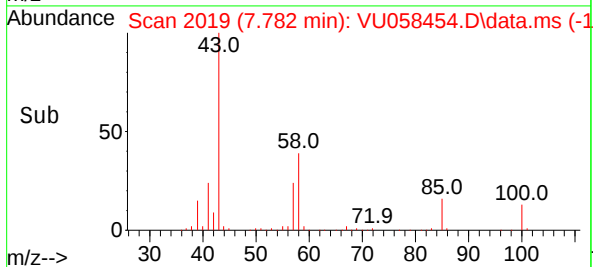
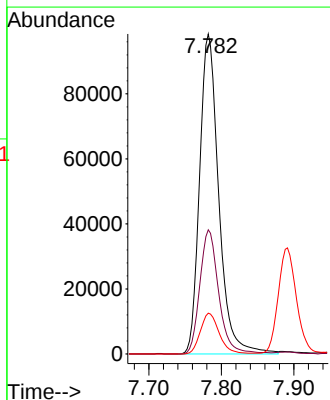
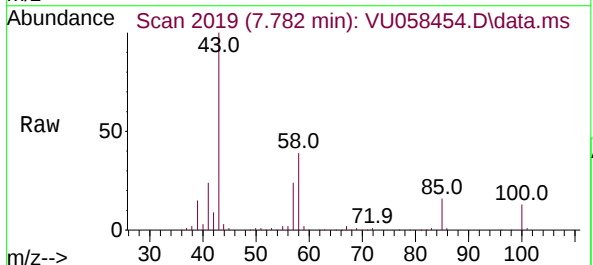
Instrument :
 MSVOA_U
 ClientSampleId :

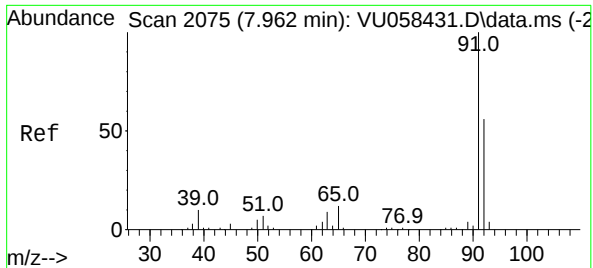
Tgt Ion: 75 Resp: 47455
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 48.332 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU058454.D
 Acq: 06 Apr 2024 05:16

Tgt Ion: 43 Resp: 180533
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.4 45.6
 100 12.6 10.3 15.5





#42

Toluene

Concen: 4.754 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

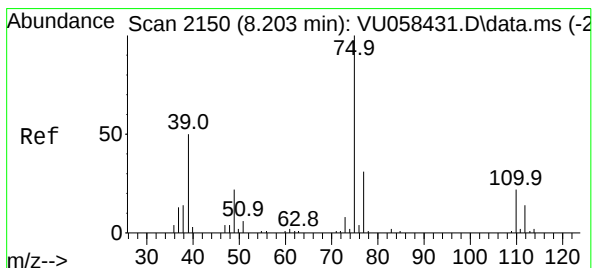
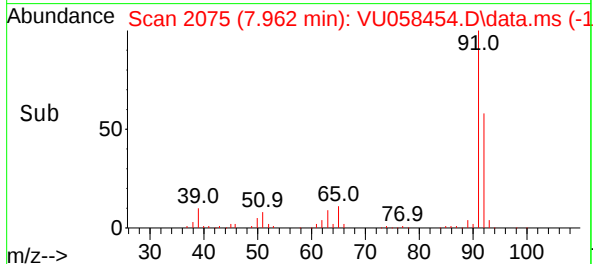
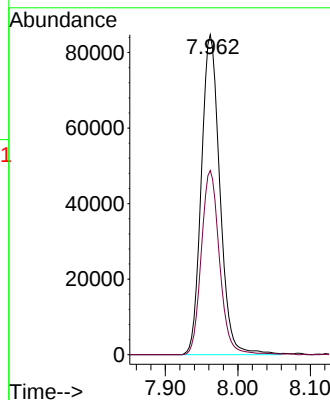
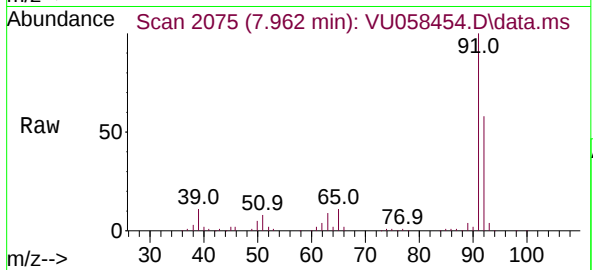
ClientSampleId :

Tgt Ion: 91 Resp: 150391

Ion Ratio Lower Upper

91 100

92 57.6 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 4.811 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU058454.D

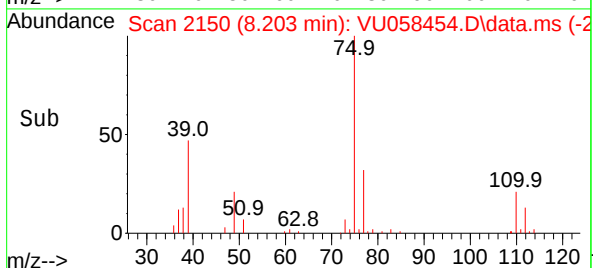
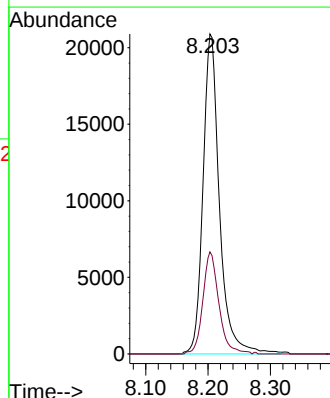
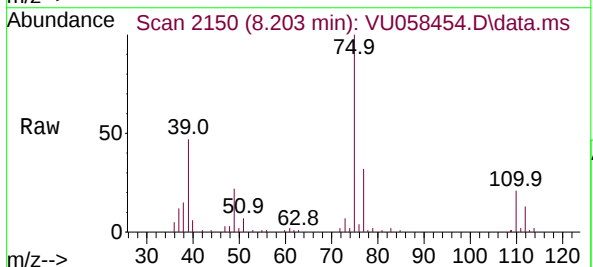
Acq: 06 Apr 2024 05:16

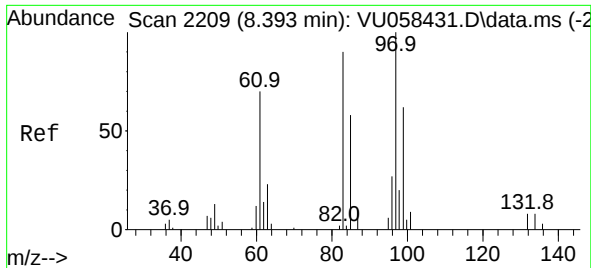
Tgt Ion: 75 Resp: 38285

Ion Ratio Lower Upper

75 100

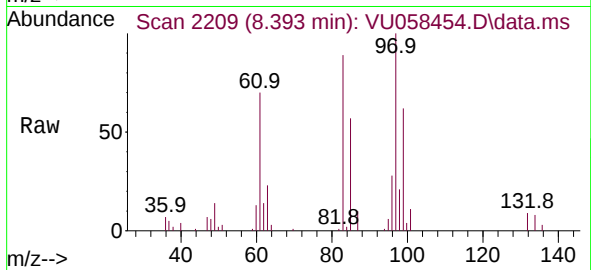
77 31.9 22.2 41.2





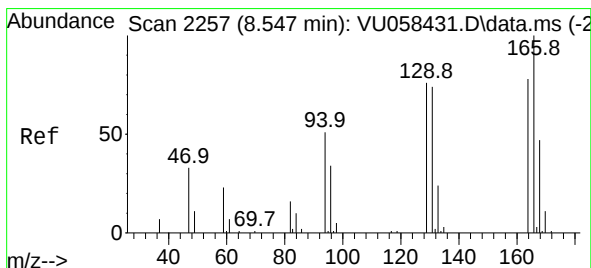
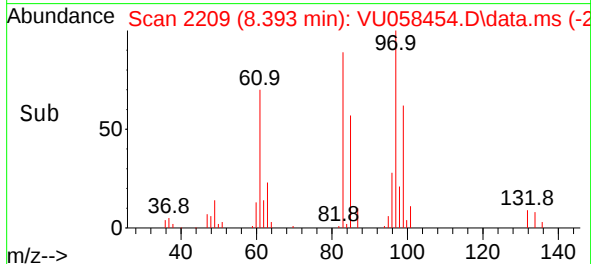
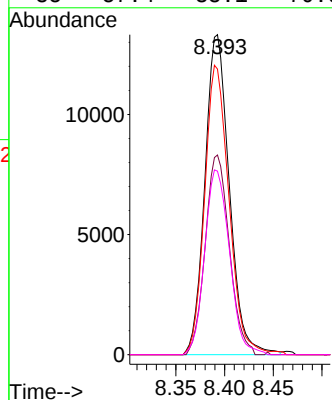
#45
1,1,2-Trichloroethane
Concen: 5.020 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 23267

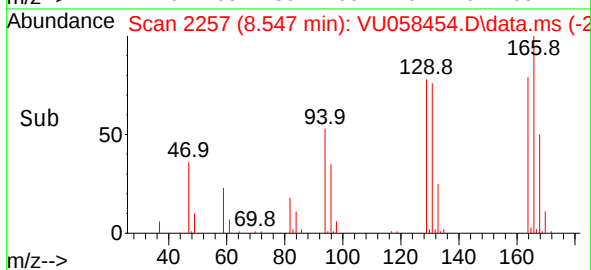
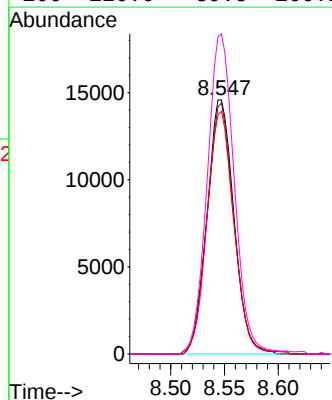
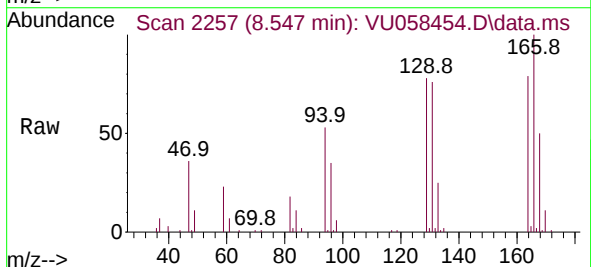
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	89.3	64.5	119.7
85	57.4	38.1	70.9

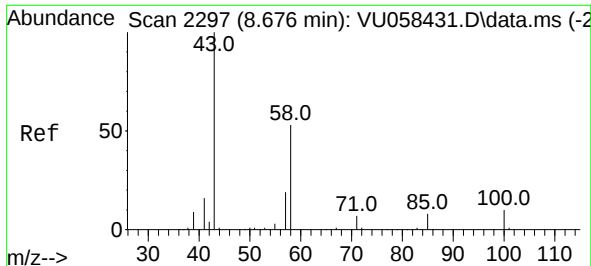


#47
Tetrachloroethene
Concen: 4.543 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Tgt Ion: 164 Resp: 25322

Ion	Ratio	Lower	Upper
164	100		
129	98.9	67.3	125.1
131	95.5	65.5	121.6
166	126.0	89.5	166.1

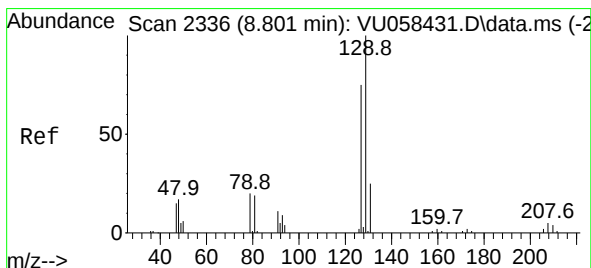
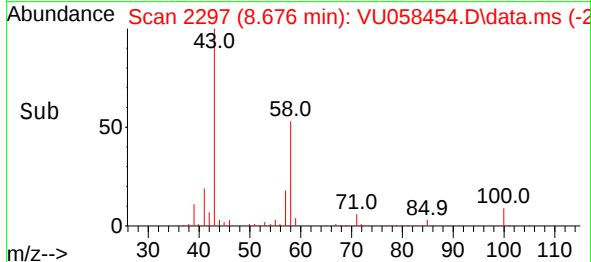
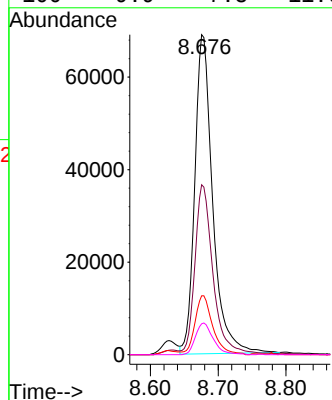
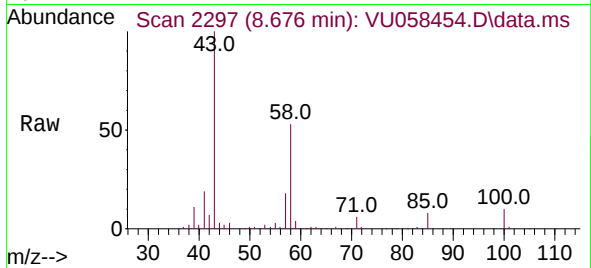




#48
2-Hexanone
Concen: 47.792 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

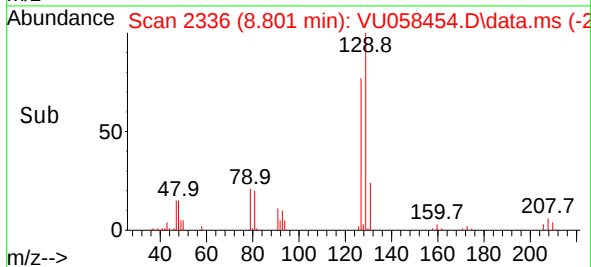
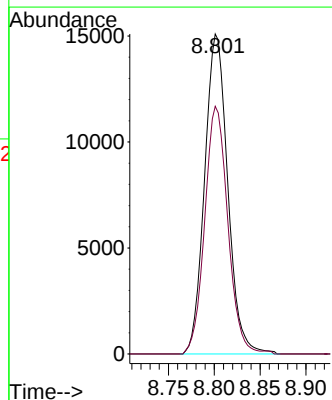
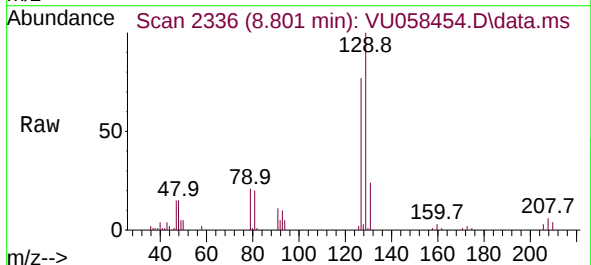
Instrument :
MSVOA_U
ClientSampleId :

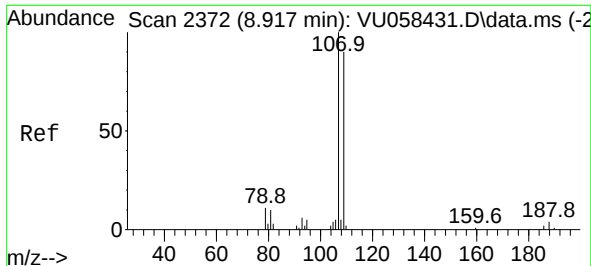
Tgt Ion: 43 Resp: 126733
Ion Ratio Lower Upper
43 100
58 53.0 43.2 64.8
57 18.4 15.4 23.0
100 9.9 7.8 11.6



#49
Dibromochloromethane
Concen: 4.950 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Tgt Ion: 129 Resp: 26522
Ion Ratio Lower Upper
129 100
127 77.4 53.5 99.5





#50

1,2-Dibromoethane

Concen: 4.968 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU058454.D

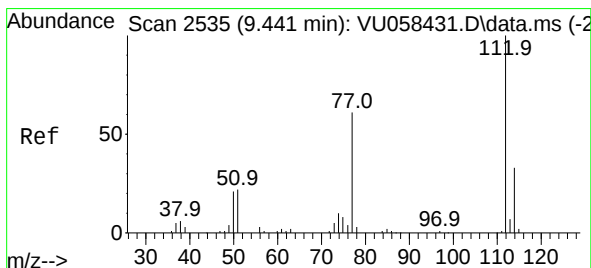
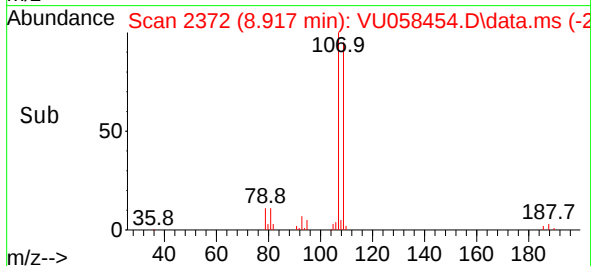
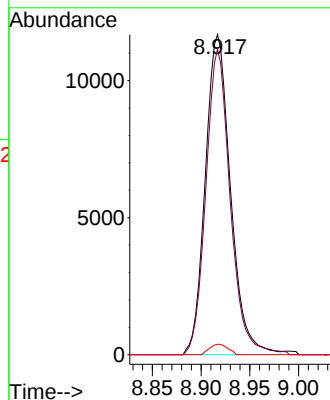
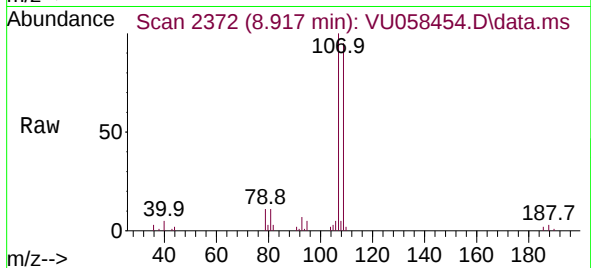
Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	21057
Ion Ratio	Lower	Upper	
107	100		
109	95.4	67.3	124.9
188	3.3	2.5	3.7



#51

Chlorobenzene

Concen: 4.727 ug/L

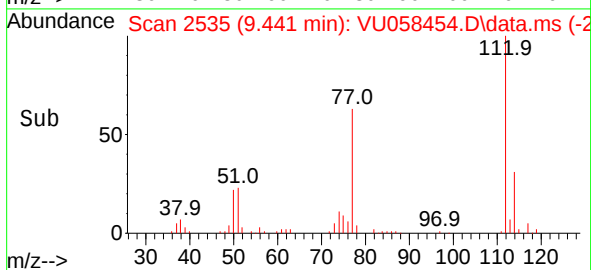
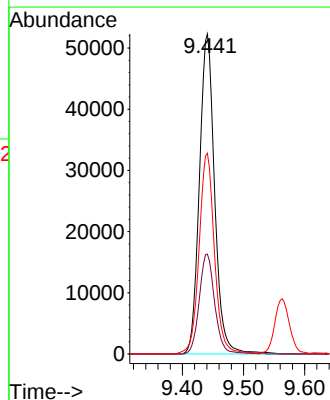
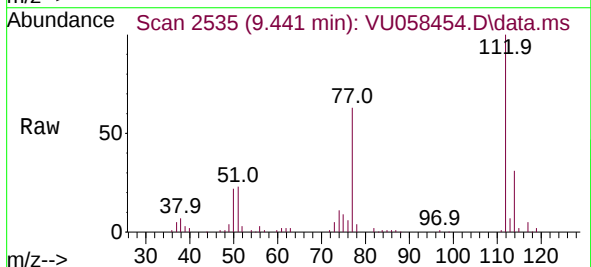
RT: 9.441 min Scan# 2535

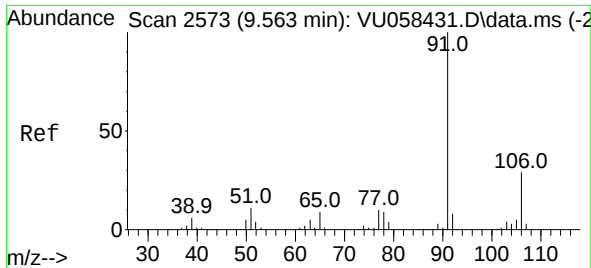
Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Tgt Ion:	112	Resp:	90481
Ion Ratio	Lower	Upper	
112	100		
114	31.2	22.4	41.6
77	62.8	50.1	75.1

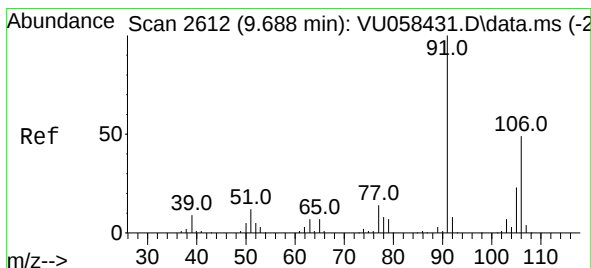
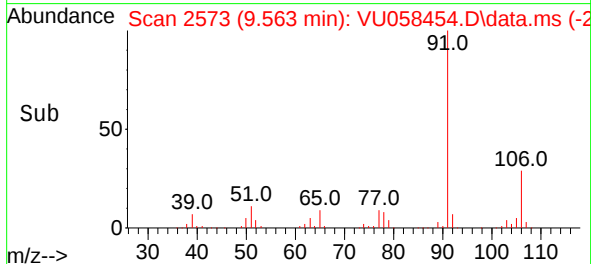
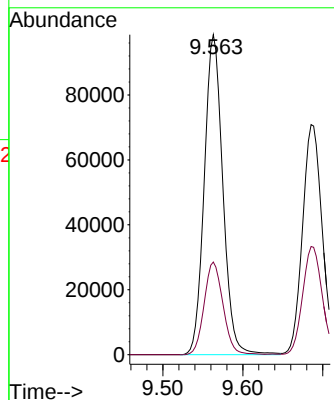
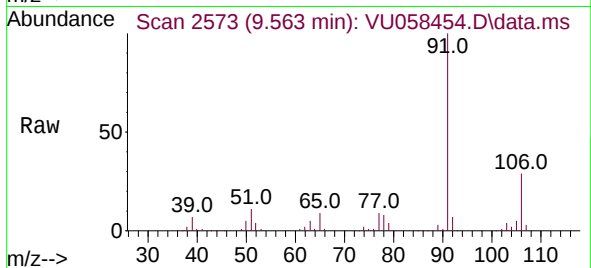




#52
Ethylbenzene
Concen: 4.757 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

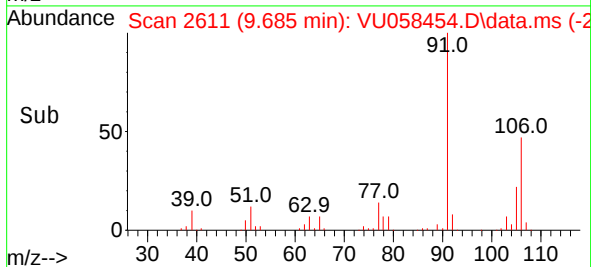
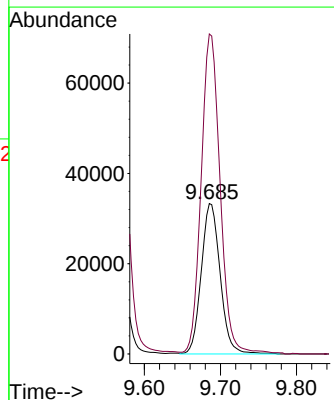
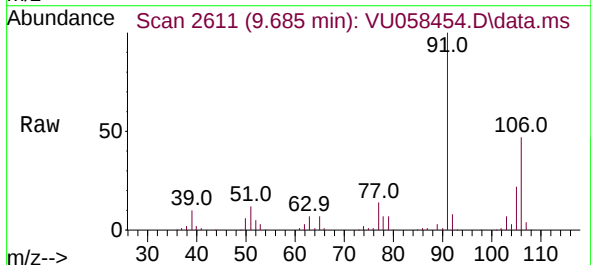
Instrument :
MSVOA_U
ClientSampleId :

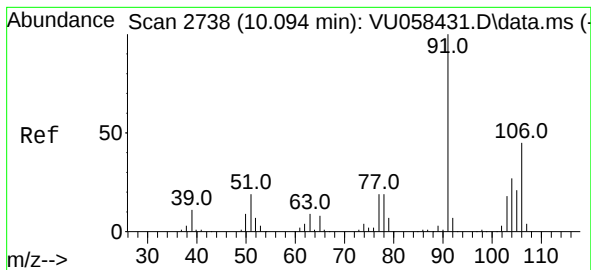
Tgt Ion: 91 Resp: 159449
Ion Ratio Lower Upper
91 100
106 29.0 20.6 38.4



#53
m,p-Xylene
Concen: 4.791 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU058454.D
Acq: 06 Apr 2024 05:16

Tgt Ion:106 Resp: 57499
Ion Ratio Lower Upper
106 100
91 212.8 147.8 274.4





#54

o-Xylene

Concen: 4.841 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

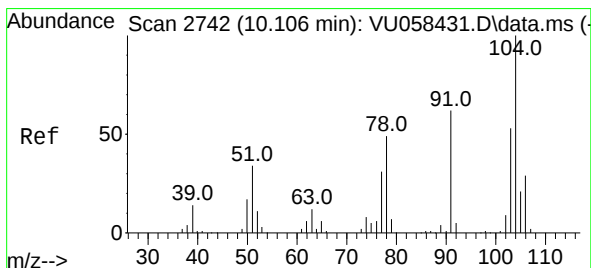
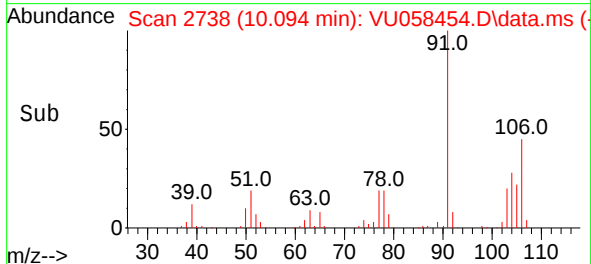
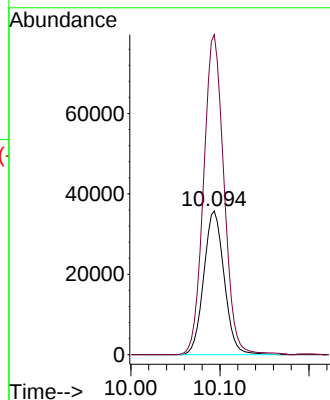
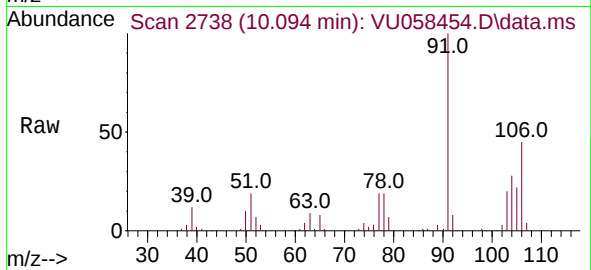
ClientSampleId :

Tgt Ion:106 Resp: 56959

Ion Ratio Lower Upper

106 100

91 222.8 156.9 291.5



#55

Styrene

Concen: 4.927 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU058454.D

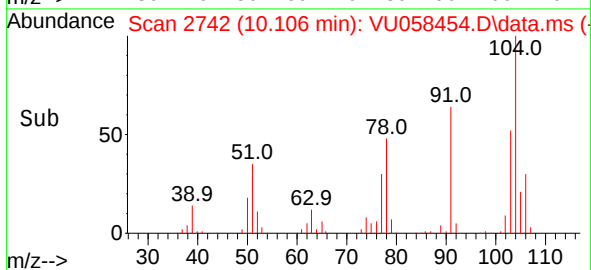
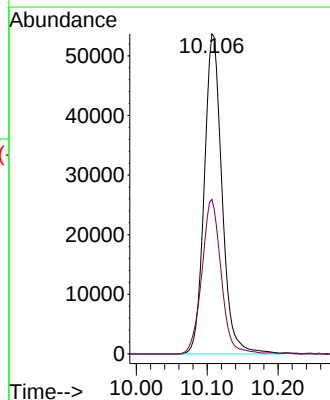
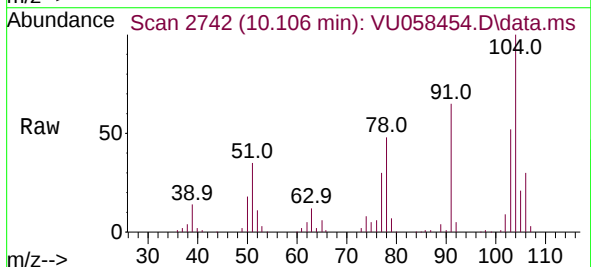
Acq: 06 Apr 2024 05:16

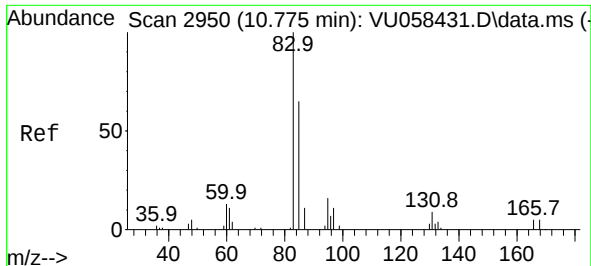
Tgt Ion:104 Resp: 93270

Ion Ratio Lower Upper

104 100

78 48.3 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.855 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058454.D

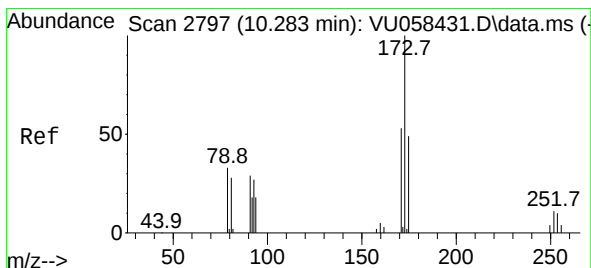
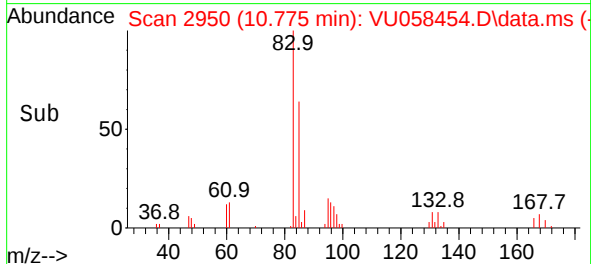
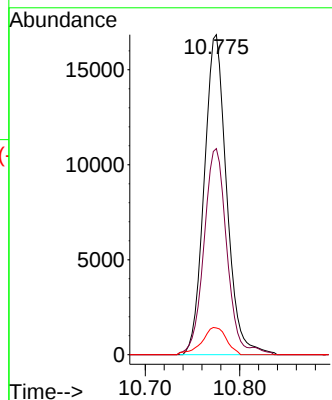
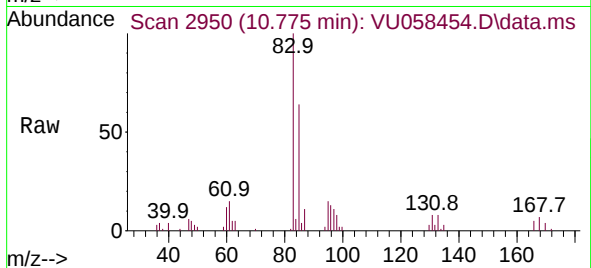
Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	27755
Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.1	83.7
131	8.4	6.9	10.3



#59

Bromoform

Concen: 4.965 ug/L

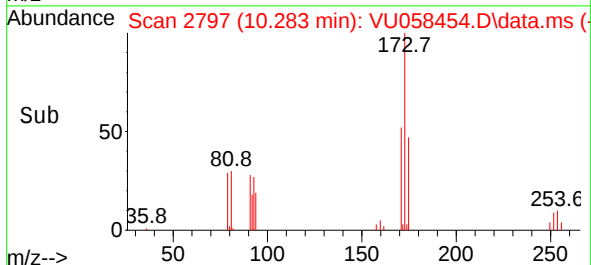
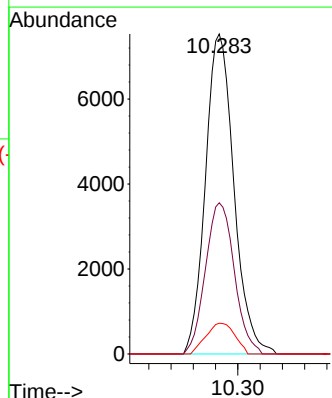
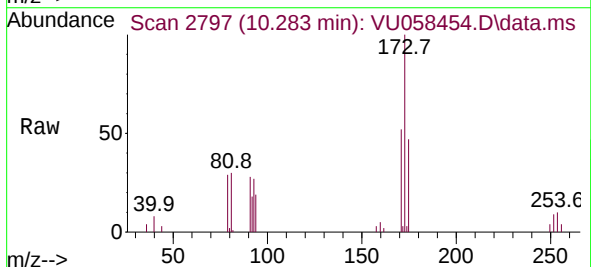
RT: 10.283 min Scan# 2797

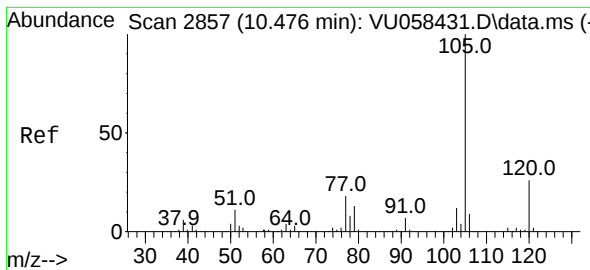
Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Tgt Ion:	173	Resp:	13353
Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.0	57.0
254	9.7	7.5	11.3





#60

Isopropylbenzene

Concen: 4.880 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU058454.D

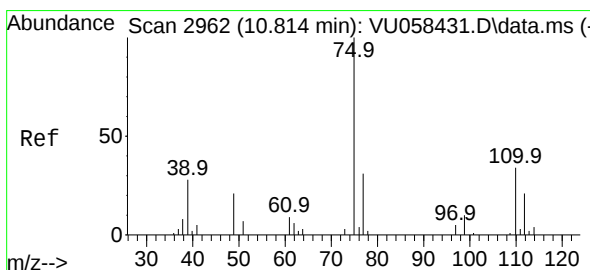
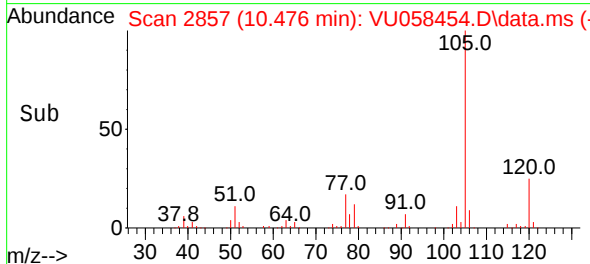
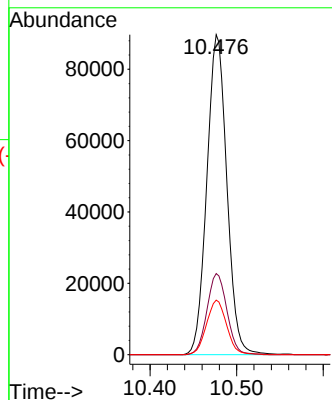
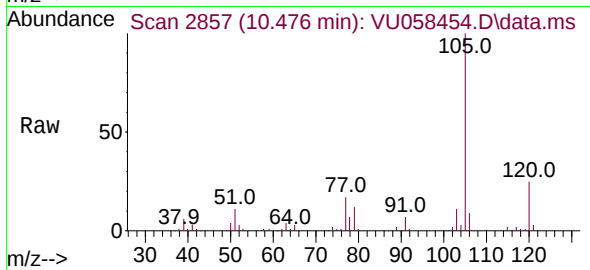
Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	143796
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.2	30.4
77	17.2	13.5	20.3



#61

1,2,3-Trichloropropane

Concen: 4.860 ug/L

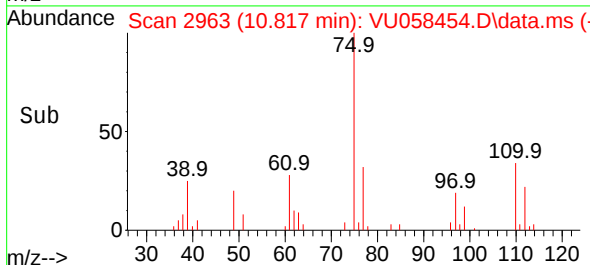
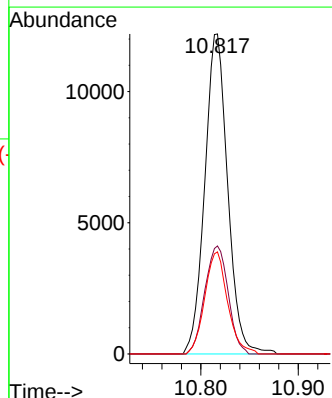
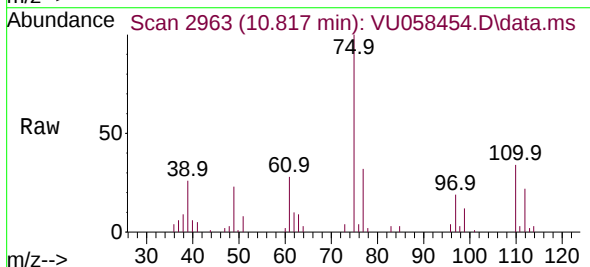
RT: 10.817 min Scan# 2963

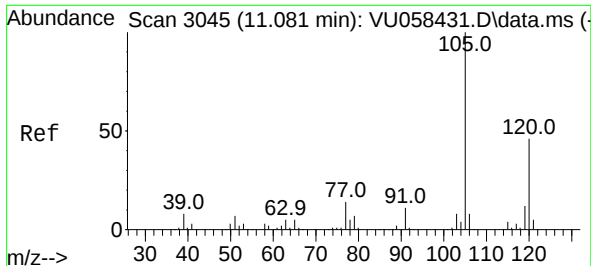
Delta R.T. 0.003 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Tgt Ion:	75	Resp:	19958
Ion Ratio	Lower	Upper	
75	100		
110	34.3	25.8	38.6
77	31.7	25.1	37.7





#62

1,3,5-Trimethylbenzene

Concen: 4.743 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

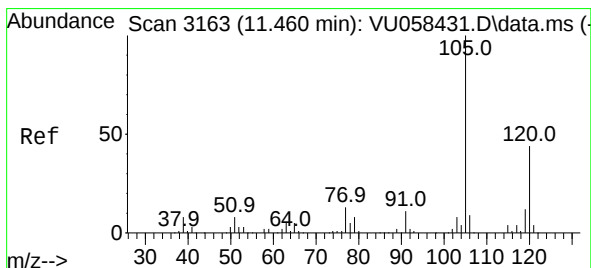
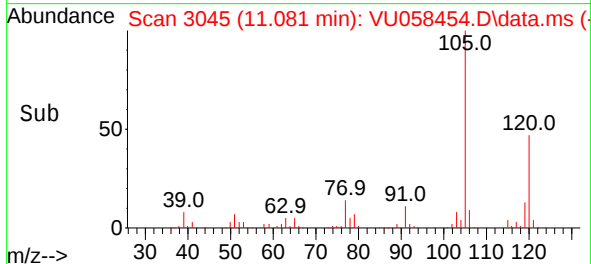
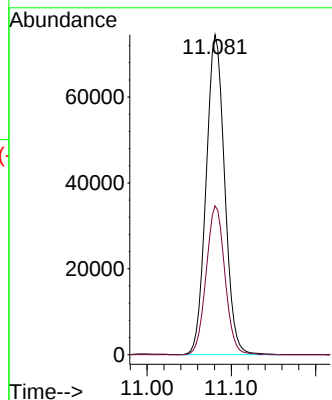
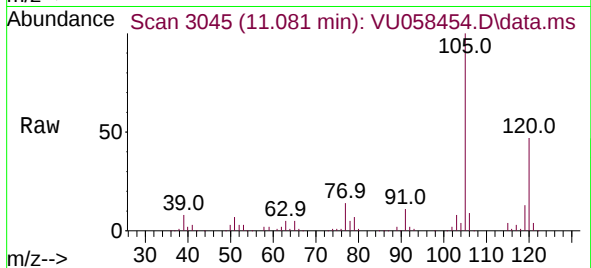
ClientSampleId :

Tgt Ion:105 Resp: 113975

Ion Ratio Lower Upper

105 100

120 47.0 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 4.777 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU058454.D

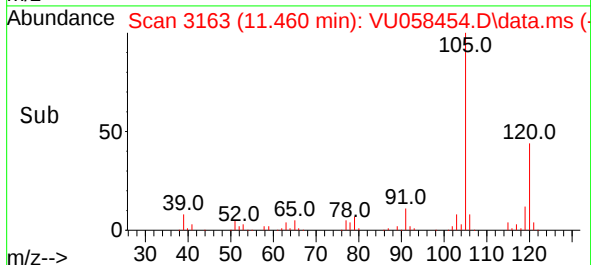
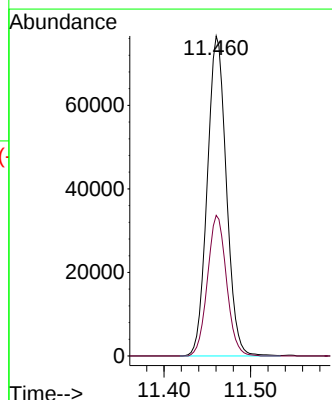
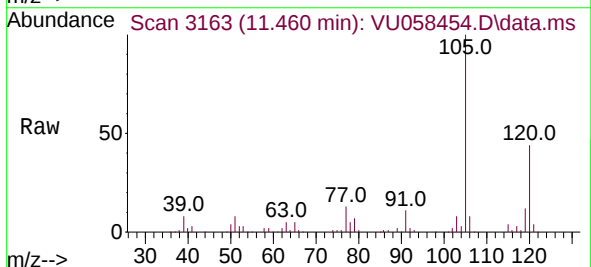
Acq: 06 Apr 2024 05:16

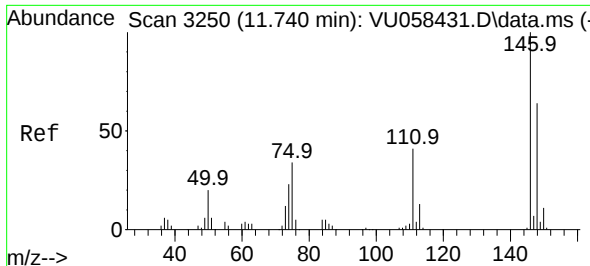
Tgt Ion:105 Resp: 117197

Ion Ratio Lower Upper

105 100

120 43.8 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 4.629 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.000 min

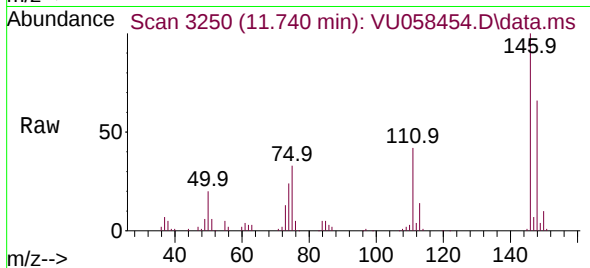
Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

ClientSampleId :



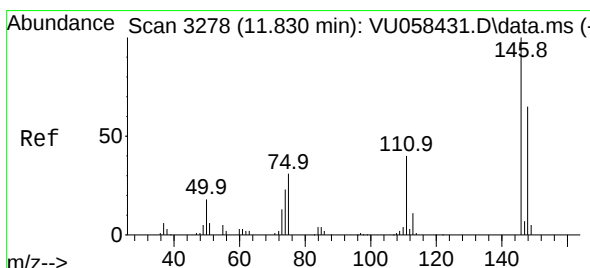
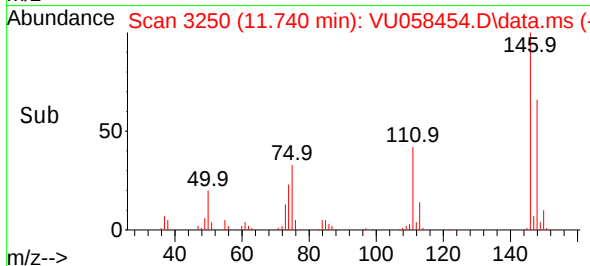
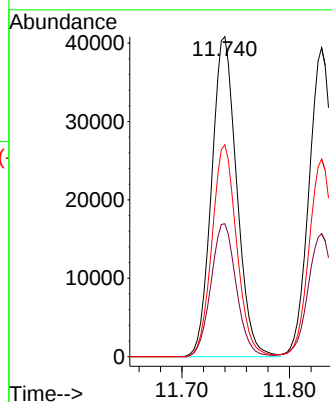
Tgt Ion:146 Resp: 66259

Ion Ratio Lower Upper

146 100

111 41.6 28.8 53.4

148 66.2 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 4.556 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

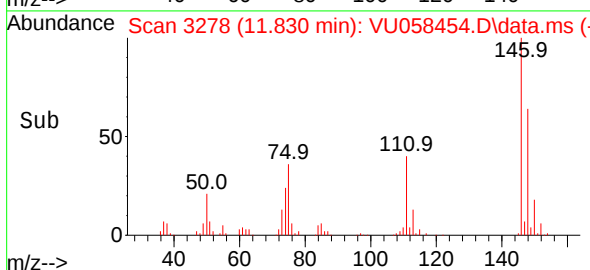
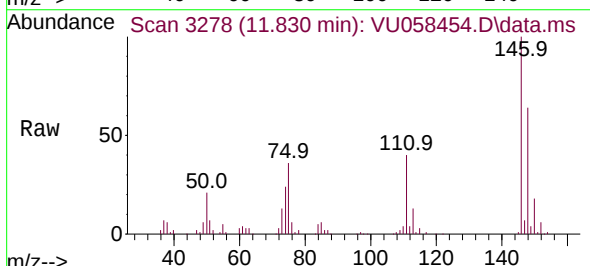
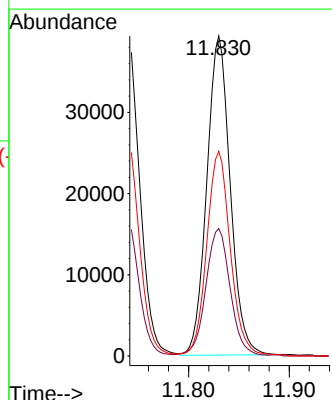
Tgt Ion:146 Resp: 63539

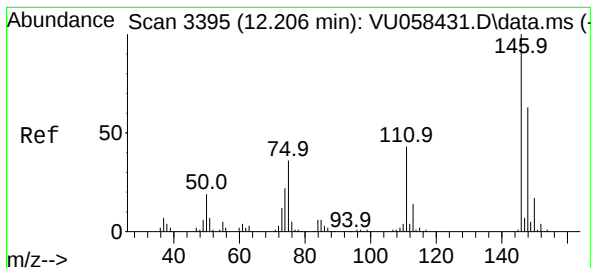
Ion Ratio Lower Upper

146 100

111 39.8 28.8 53.6

148 64.0 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.586 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

ClientSampleId :

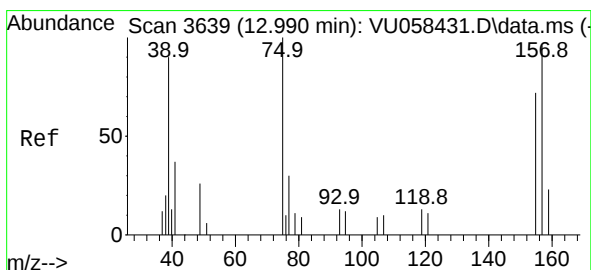
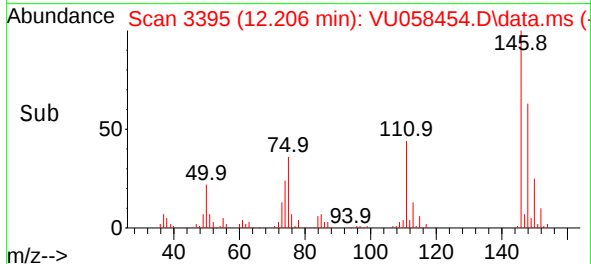
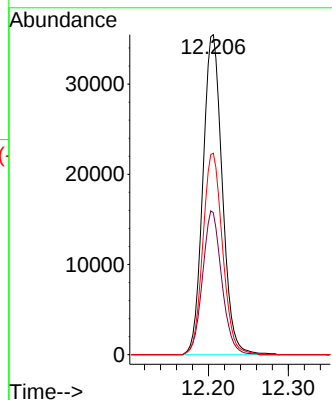
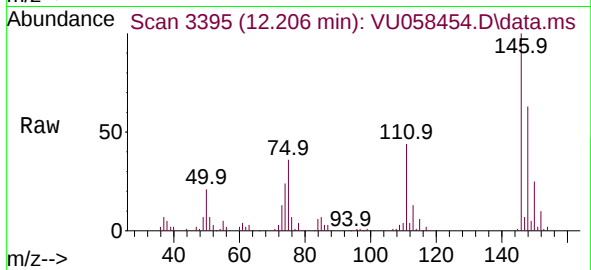
Tgt Ion:146 Resp: 59709

Ion Ratio Lower Upper

146 100

111 44.3 35.0 52.4

148 63.0 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.393 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

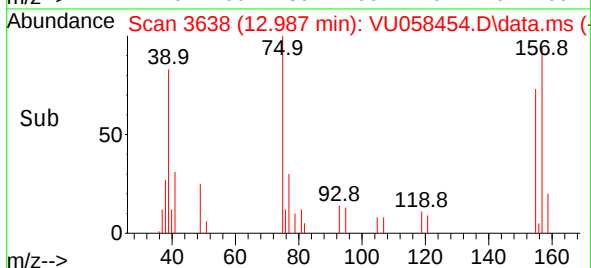
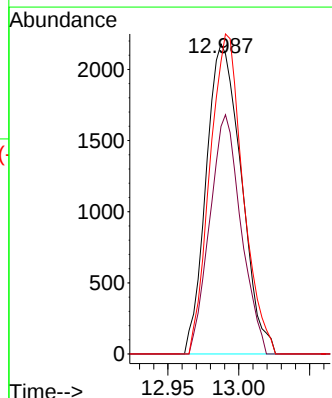
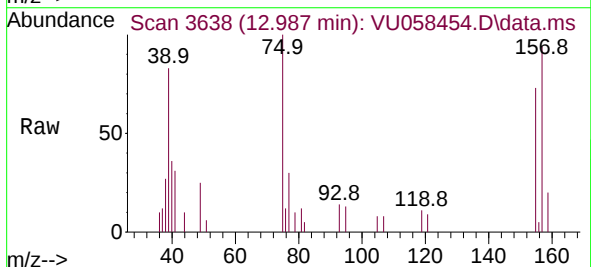
Tgt Ion: 75 Resp: 3756

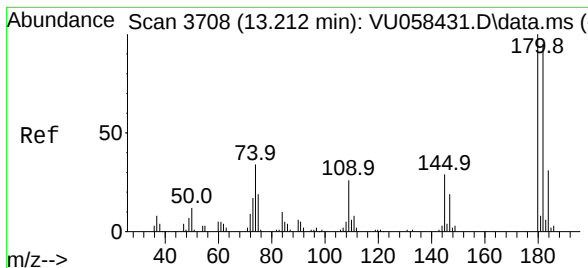
Ion Ratio Lower Upper

75 100

155 73.4 61.4 92.0

157 94.4 81.7 122.5





#69

1,3,5-Trichlorobenzene

Concen: 4.221 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

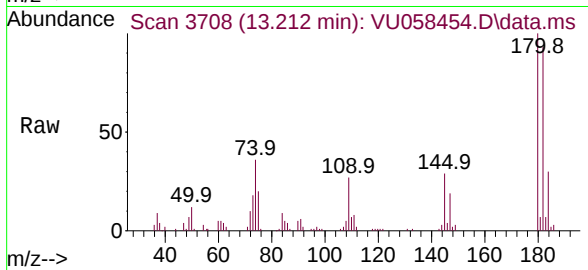
Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 44679

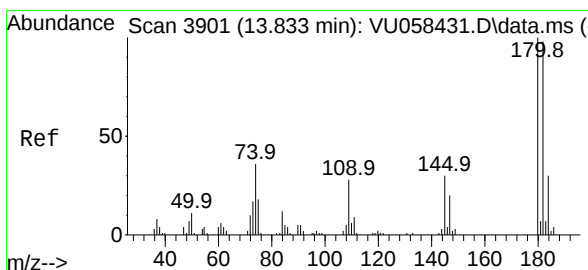
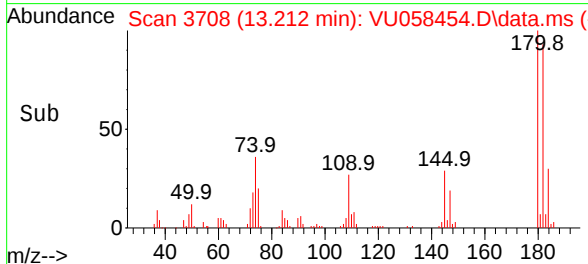
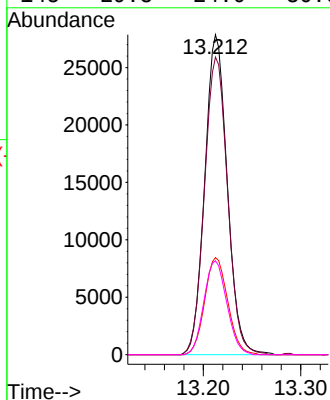
Ion Ratio Lower Upper

180 100

182 95.4 75.7 113.5

184 31.2 24.3 36.5

145 29.8 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 3.888 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

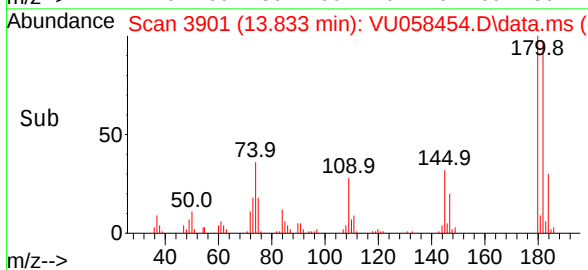
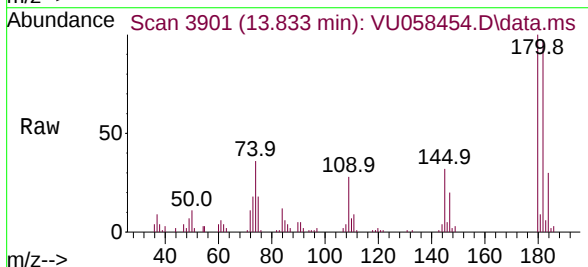
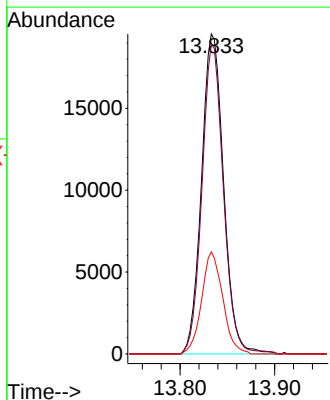
Tgt Ion:180 Resp: 31732

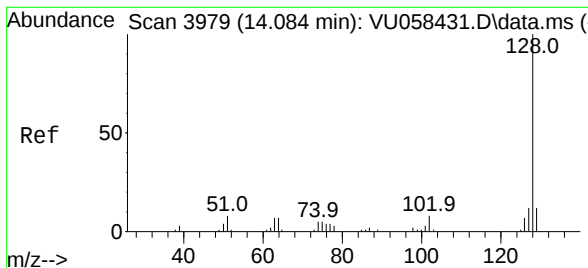
Ion Ratio Lower Upper

180 100

182 93.9 74.4 111.6

145 30.5 24.1 36.1





#71

Naphthalene

Concen: 3.402 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Instrument :

MSVOA_U

ClientSampleId :

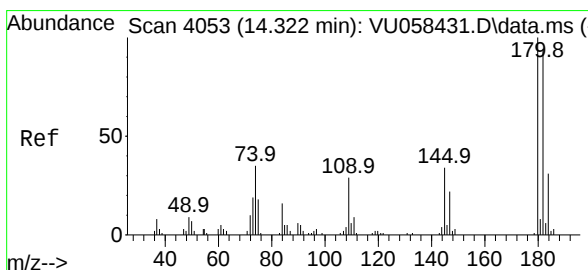
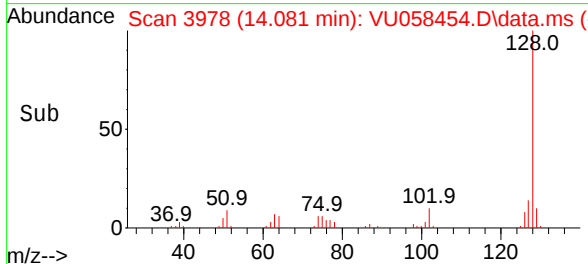
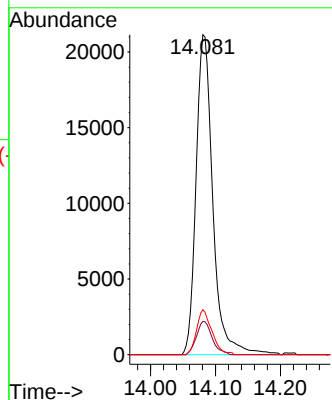
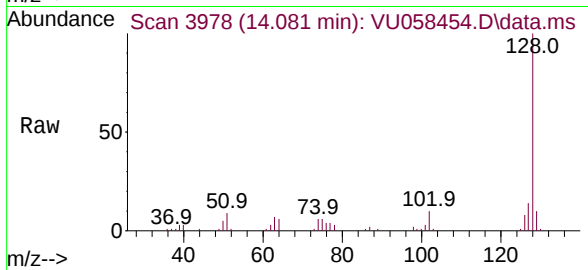
Tgt Ion:128 Resp: 38046

Ion Ratio Lower Upper

128 100

129 9.7 8.6 13.0

127 12.8 11.0 16.6



#72

1,2,3-Trichlorobenzene

Concen: 3.852 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU058454.D

Acq: 06 Apr 2024 05:16

Tgt Ion:180 Resp: 25963

Ion Ratio Lower Upper

180 100

182 96.4 75.9 113.9

145 32.9 25.2 37.8

