

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092023\
 Data File : VU055413.D
 Acq On : 20 Sep 2023 09:42
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 00:23:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	265802	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	274061	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	147744	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	126843	4.722	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.911	69	112162	4.738	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.563	65	54262	4.907	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.200%
20) 2-Butanone-d5	4.628	46	239642	49.387	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.780%
24) Chloroform-d	5.058	84	243972	5.021	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	5.698	65	117914	5.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.724	84	488600	5.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
36) 1,2-Dichloropropane-d6	6.689	67	142056	4.960	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.894	98	450115	5.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
43) trans-1,3-Dichloroprop...	8.177	79	48690	4.844	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.800%
46) 2-Hexanone-d5	8.631	63	147013	48.086	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.180%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	105978	4.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	149416	5.011	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	117821	4.553	ug/L	99
3) Chloromethane	1.515	50	103827	4.561	ug/L	98
5) Vinyl chloride	1.602	62	113036	4.602	ug/L	95
6) Bromomethane	1.856	94	70801	4.539	ug/L	96
8) Chloroethane	1.930	64	72881	4.548	ug/L	98
9) Trichlorofluoromethane	2.136	101	154896	4.548	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	93123	4.493	ug/L	97
12) 1,1-Dichloroethene	2.576	96	85894	4.622	ug/L	94
13) Acetone	2.640	43	113074	40.880	ug/L	99
14) Carbon disulfide	2.788	76	265684	4.756	ug/L	99
15) Methyl Acetate	2.952	43	32902	5.217	ug/L	99
16) Methylene chloride	3.042	84	110612	4.968	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	188614	4.679	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	88244	4.711	ug/L	100
19) 1,1-Dichloroethane	3.865	63	164174	4.739	ug/L	99
21) 2-Butanone	4.711	43	180001	44.370	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	97662	4.497	ug/L	99
23) Bromochloromethane	4.968	128	42879	4.671	ug/L	98
25) Chloroform	5.084	83	177927	4.851	ug/L	99

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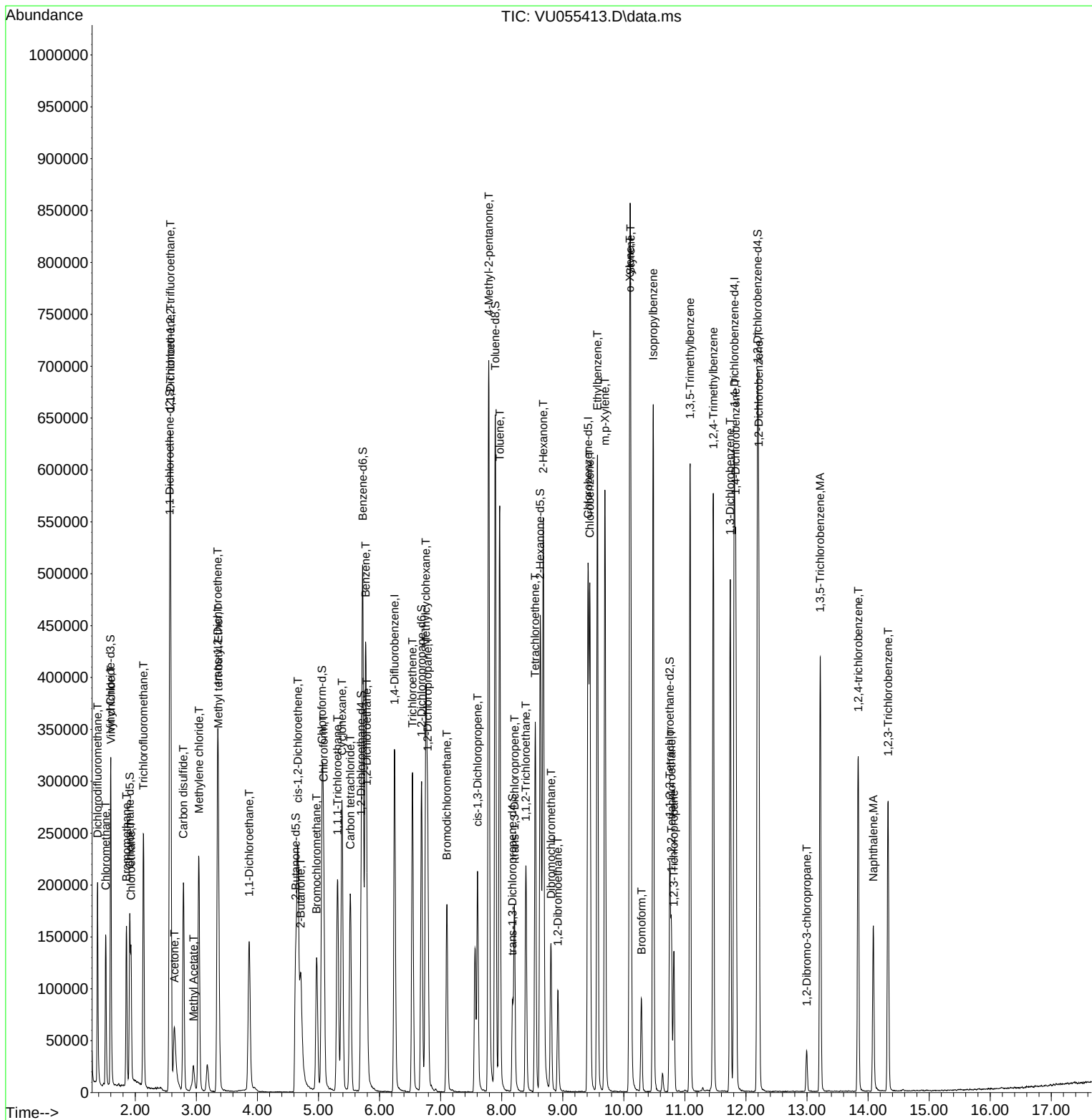
Instrument :
 MSVOA_U
 ClientSampleId :

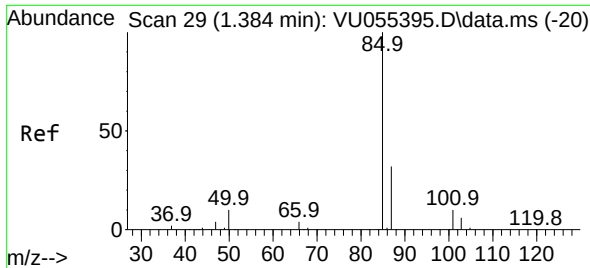
Quant Time: Sep 21 00:23:57 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	108741	4.834	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	150008	4.801	ug/L	98
30) Cyclohexane	5.386	56	132164	4.621	ug/L	98
31) Carbon tetrachloride	5.521	117	129303	4.828	ug/L	97
33) Benzene	5.772	78	386257	4.897	ug/L	100
34) Trichloroethene	6.541	95	104502	4.684	ug/L	99
35) Methylcyclohexane	6.759	83	146789	4.567	ug/L	100
37) 1,2-Dichloropropane	6.788	63	94653	4.588	ug/L	99
38) Bromodichloromethane	7.103	83	116543	4.821	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	125335	4.552	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	444687	47.520	ug/L	100
42) Toluene	7.968	91	415865	4.943	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	100685	4.571	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	68285	4.721	ug/L	96
47) Tetrachloroethene	8.550	164	76973	4.809	ug/L	98
48) 2-Hexanone	8.682	43	336509	46.399	ug/L	99
49) Dibromochloromethane	8.807	129	73492	4.847	ug/L	99
50) 1,2-Dibromoethane	8.920	107	65868	4.907	ug/L #	100
51) Chlorobenzene	9.444	112	255326	4.738	ug/L	98
52) Ethylbenzene	9.569	91	431287	4.781	ug/L	98
53) m,p-Xylene	9.692	106	162218	4.799	ug/L	98
54) o-Xylene	10.100	106	159231	4.845	ug/L	95
55) Styrene	10.113	104	265362	4.994	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	76767	4.701	ug/L	97
59) Bromoform	10.290	173	39792	5.025	ug/L	98
60) Isopropylbenzene	10.483	105	419858	4.931	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	54506	4.726	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	329102	4.833	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	319865	4.799	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	197085	4.834	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	196660	4.827	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	181712	4.862	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	10594	5.299	ug/L	91
69) 1,3,5-Trichlorobenzene	13.216	180	125674	4.477	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	95144	4.445	ug/L	98
71) Naphthalene	14.087	128	133270	4.301	ug/L	100
72) 1,2,3-Trichlorobenzene	14.328	180	83830	4.501	ug/L	98

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

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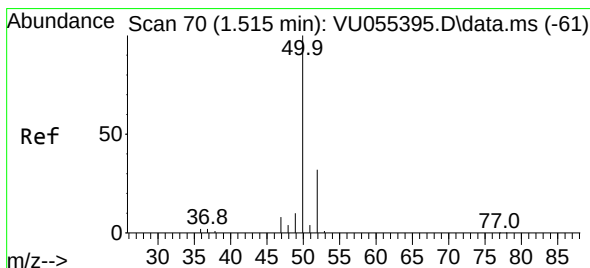
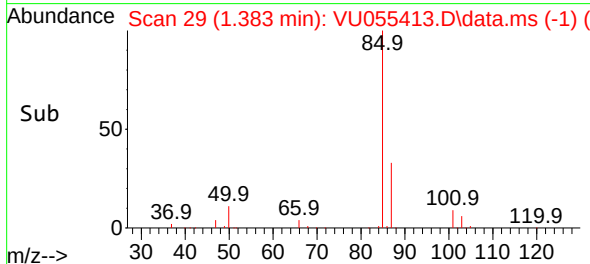
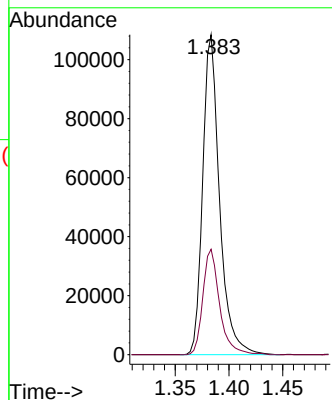
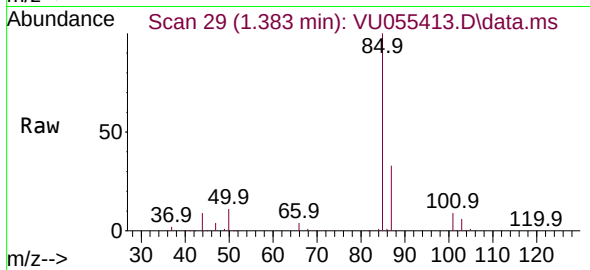




#2
 Dichlorodifluoromethane
 Concen: 4.553 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

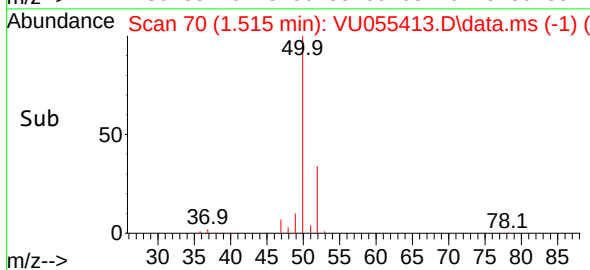
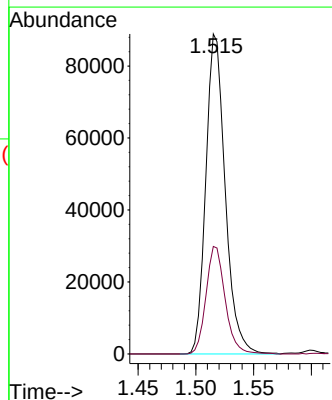
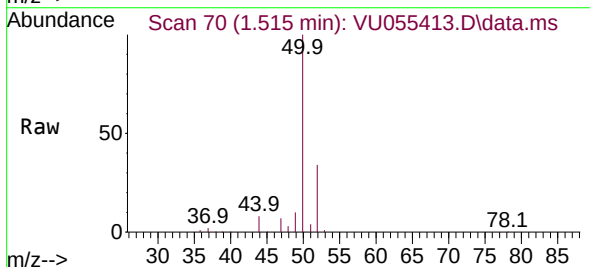
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 MSVOA_U
 ClientSampleId :

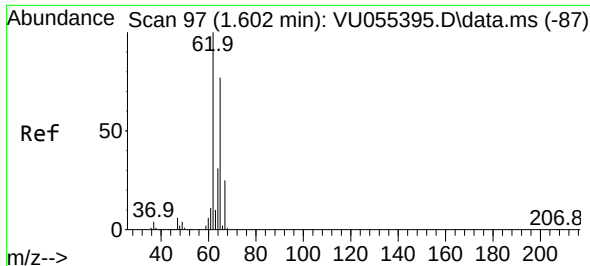
Tgt Ion: 85 Resp: 117821
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.0 39.0



#3
 Chloromethane
 Concen: 4.561 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

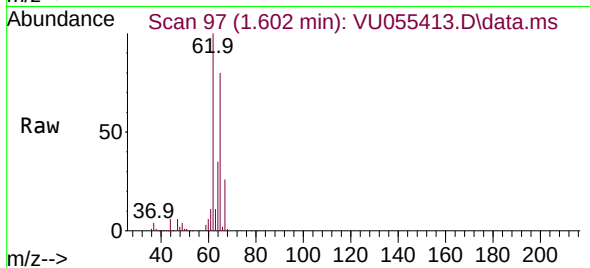
Tgt Ion: 50 Resp: 103827
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.9 42.5



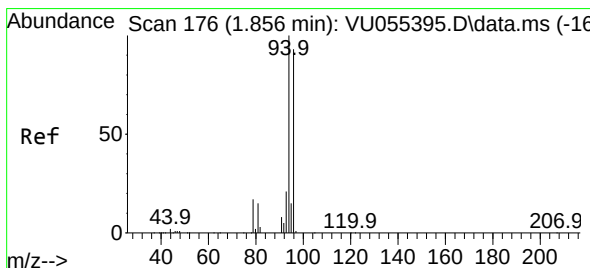
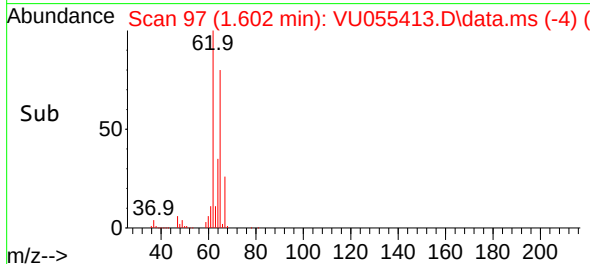
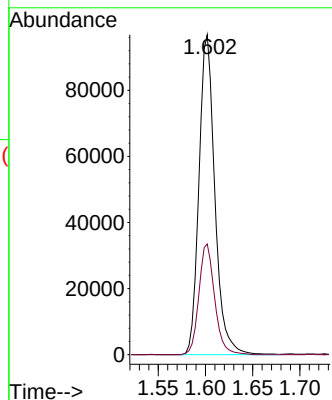


#5
 Vinyl chloride
 Concen: 4.602 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

Instrument :
 MSVOA_U
 ClientSampleId :

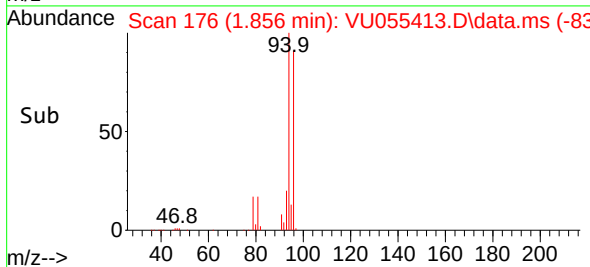
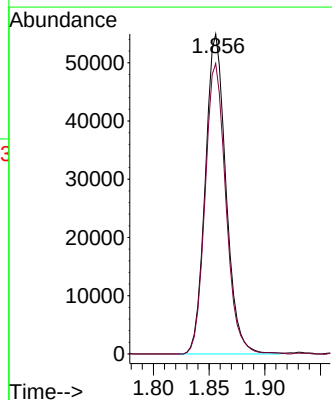
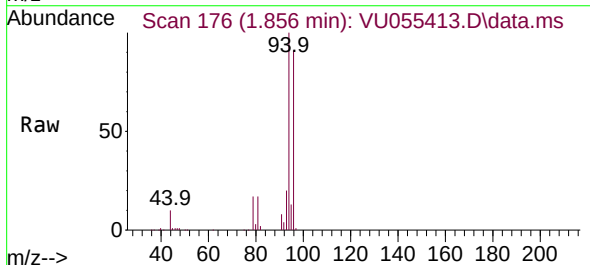


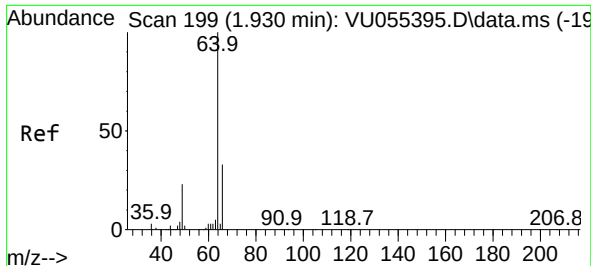
Tgt Ion: 62 Resp: 113036
 Ion Ratio Lower Upper
 62 100
 64 34.6 22.3 41.5



#6
 Bromomethane
 Concen: 4.539 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

Tgt Ion: 94 Resp: 70801
 Ion Ratio Lower Upper
 94 100
 96 90.7 66.4 123.2

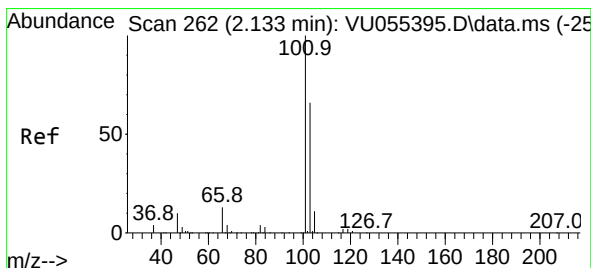
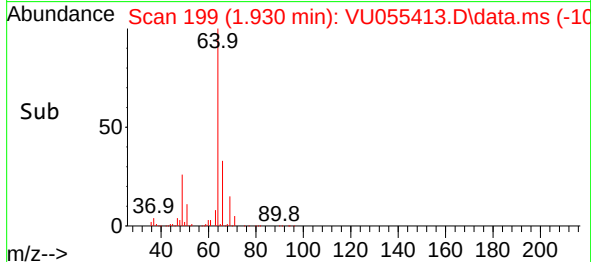
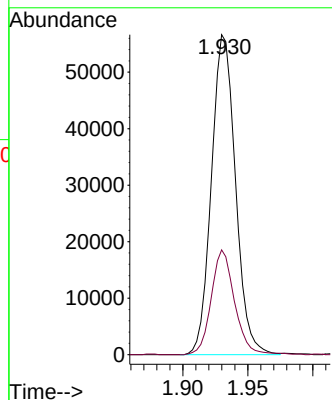
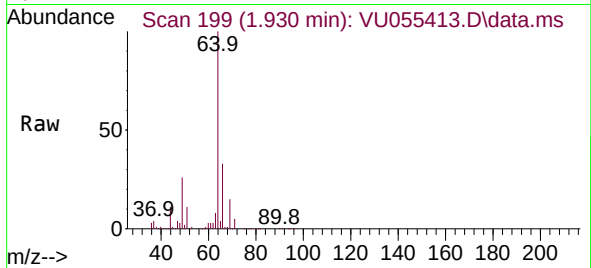




#8
Chloroethane
Concen: 4.548 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

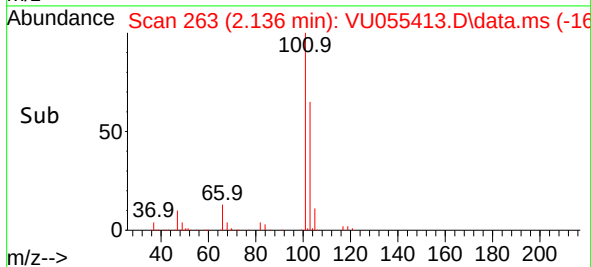
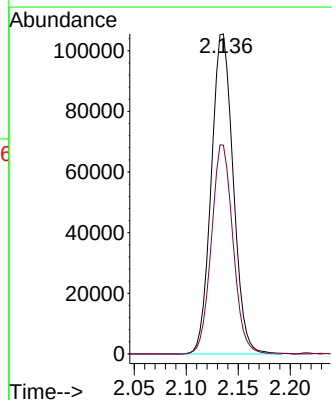
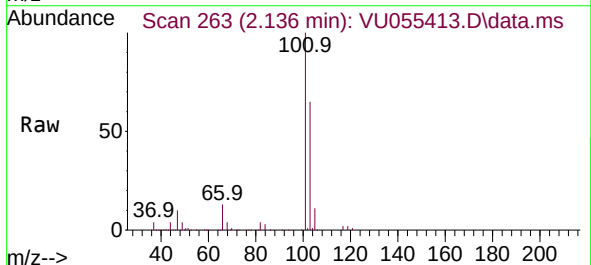
Instrument :
MSVOA_U
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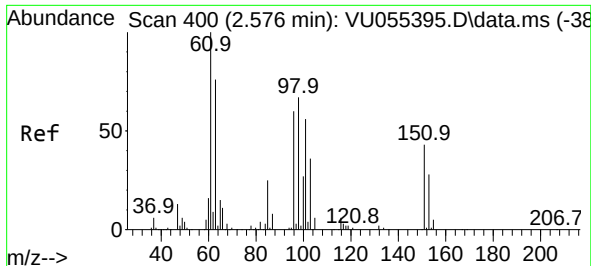
Tgt Ion: 64 Resp: 72881
Ion Ratio Lower Upper
64 100
66 32.7 23.7 44.1



#9
Trichlorofluoromethane
Concen: 4.548 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion:101 Resp: 154896
Ion Ratio Lower Upper
101 100
103 64.3 52.0 78.0

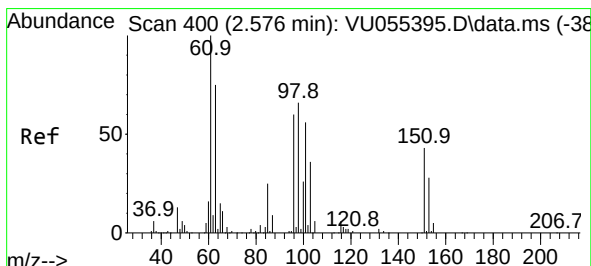
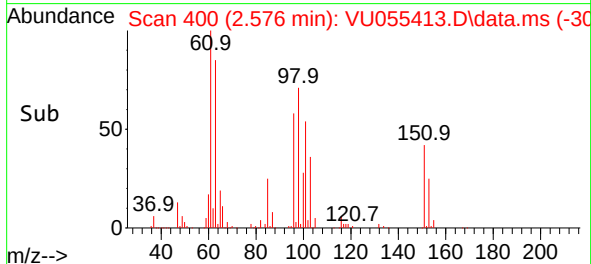
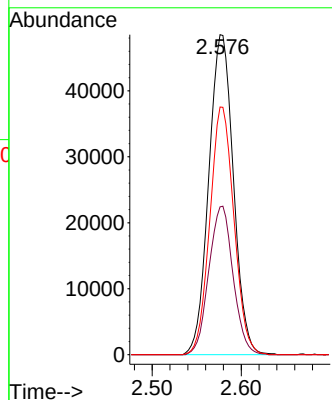
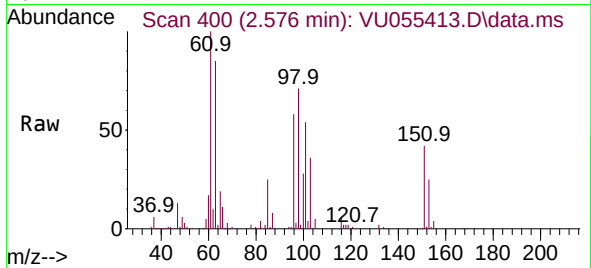




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.493 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

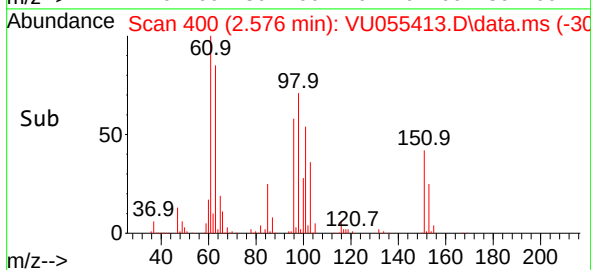
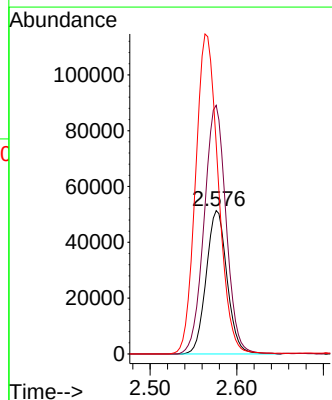
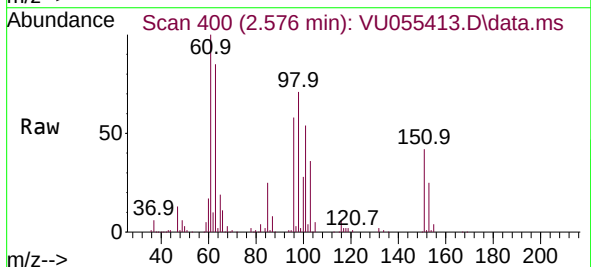
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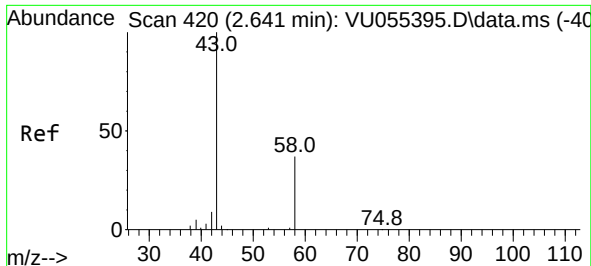
Tgt Ion:101 Resp: 93123
 Ion Ratio Lower Upper
 101 100
 85 45.6 35.8 53.6
 151 75.7 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 4.622 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

Tgt Ion: 96 Resp: 85894
 Ion Ratio Lower Upper
 96 100
 61 173.4 114.5 212.7
 63 146.7 98.3 182.5





#13

Acetone

Concen: 40.880 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

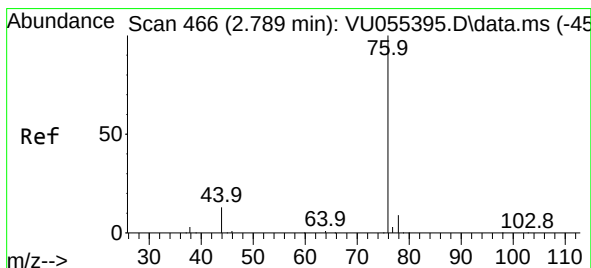
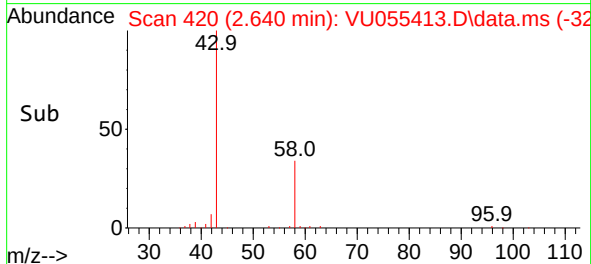
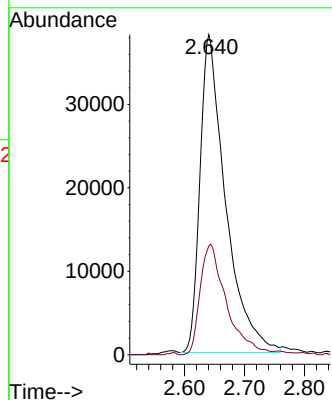
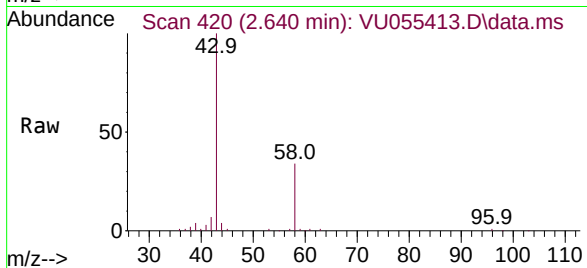
ClientSampleId :

Tgt Ion: 43 Resp: 113074

Ion Ratio Lower Upper

43 100

58 35.7 0.0 72.2



#14

Carbon disulfide

Concen: 4.756 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU055413.D

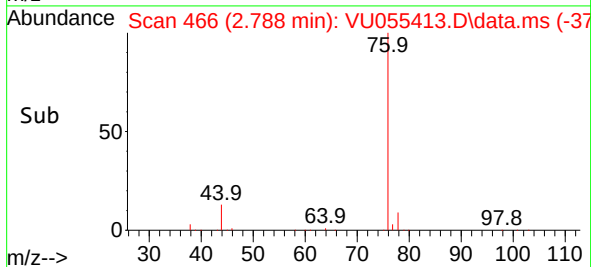
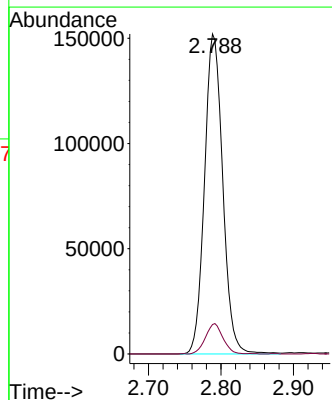
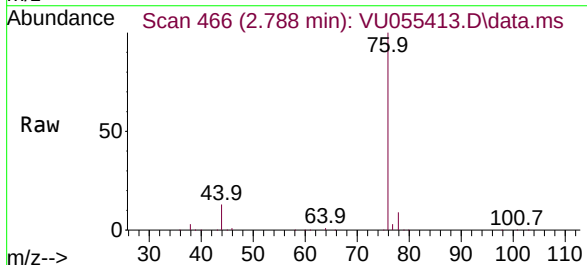
Acq: 20 Sep 2023 09:42

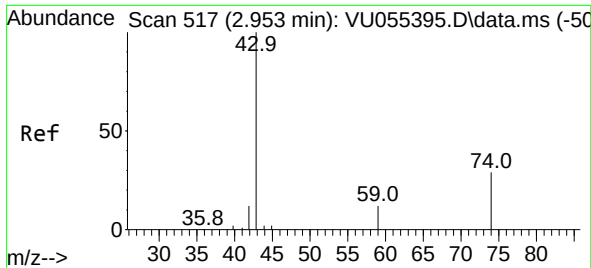
Tgt Ion: 76 Resp: 265684

Ion Ratio Lower Upper

76 100

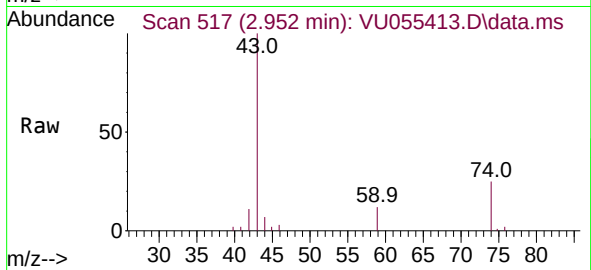
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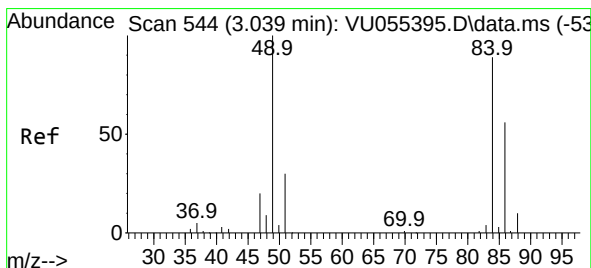
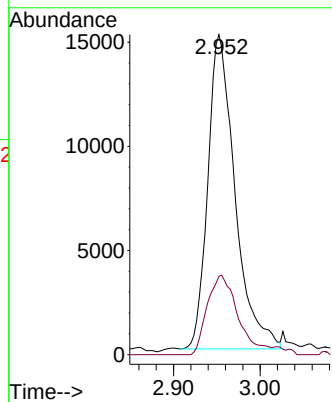
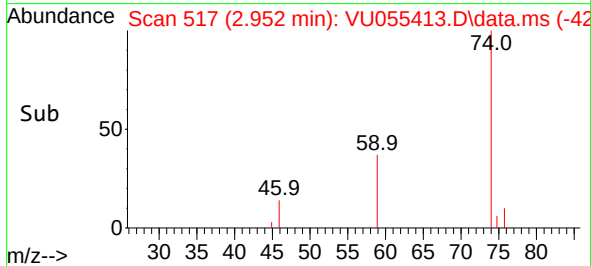


#15
Methyl Acetate
Concen: 5.217 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Instrument :
MSVOA_U
ClientSampleId :

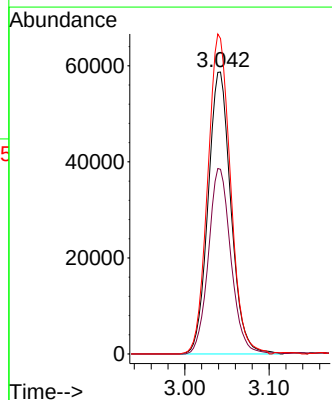
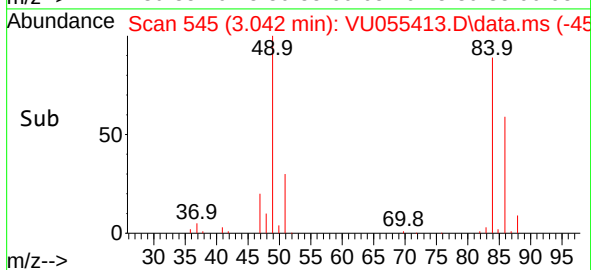
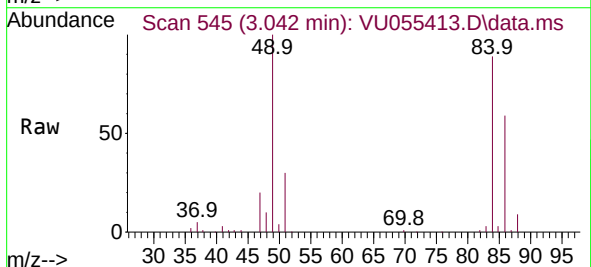


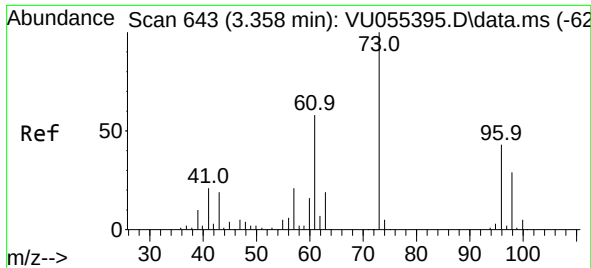
Tgt Ion: 43 Resp: 32902
Ion Ratio Lower Upper
43 100
74 28.7 22.3 33.5



#16
Methylene chloride
Concen: 4.968 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion: 84 Resp: 110612
Ion Ratio Lower Upper
84 100
86 65.5 44.9 83.3
49 111.9 78.8 146.3

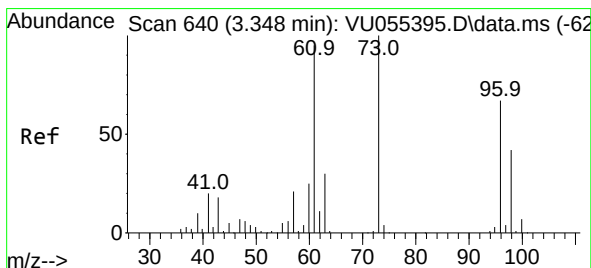
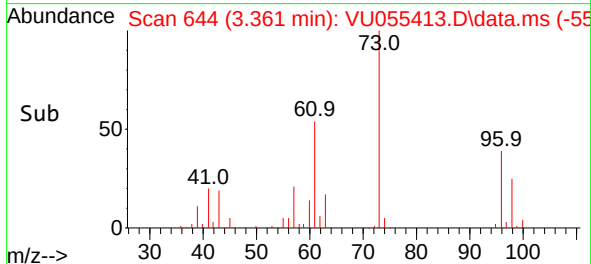
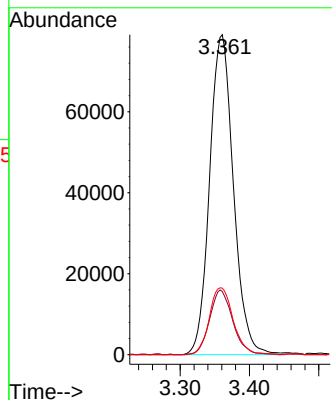
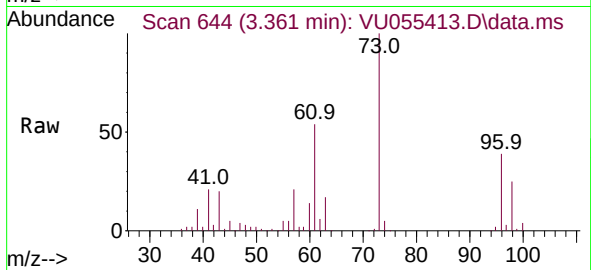




#17
Methyl tert-butyl Ether
Concen: 4.679 ug/L
RT: 3.361 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

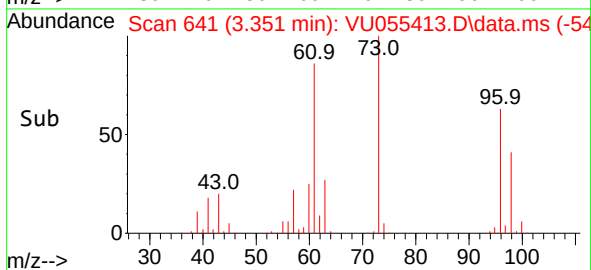
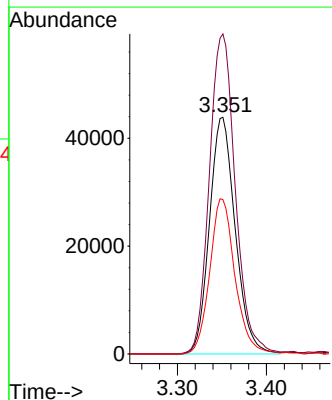
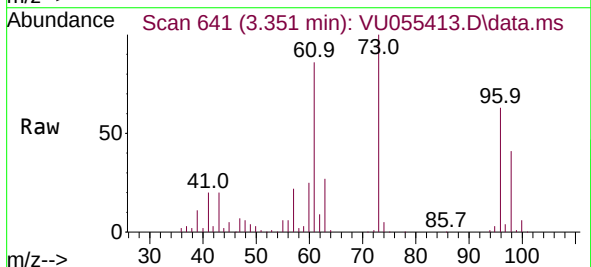
Instrument :
MSVOA_U
ClientSampleId :

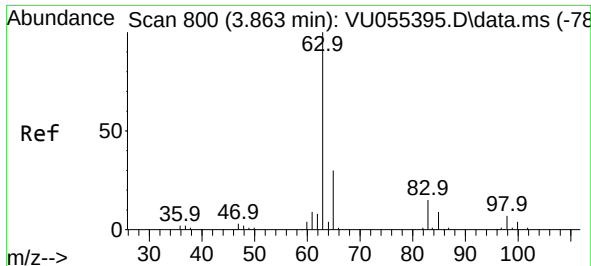
Tgt Ion: 73 Resp: 188614
Ion Ratio Lower Upper
73 100
43 19.7 14.9 22.3
57 21.1 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.711 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion: 96 Resp: 88244
Ion Ratio Lower Upper
96 100
61 135.2 94.6 175.6
98 65.2 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.739 ug/L

RT: 3.865 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

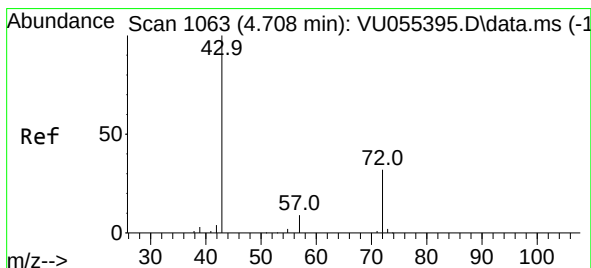
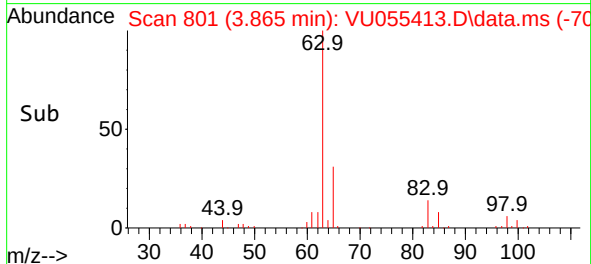
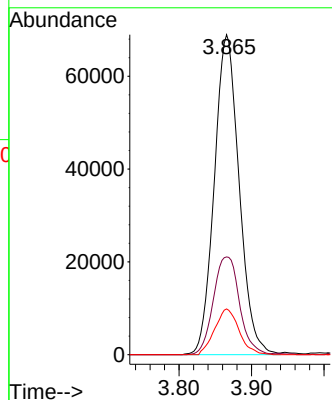
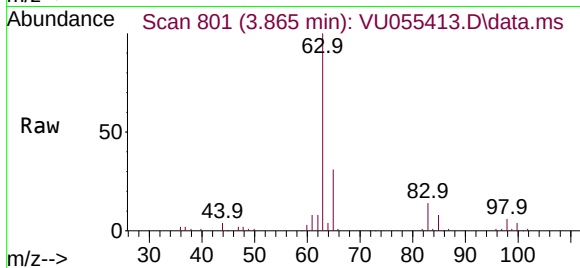
Tgt Ion: 63 Resp: 164174

Ion Ratio Lower Upper

63 100

65 31.1 22.0 41.0

83 14.3 10.1 18.9



#21

2-Butanone

Concen: 44.370 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.003 min

Lab File: VU055413.D

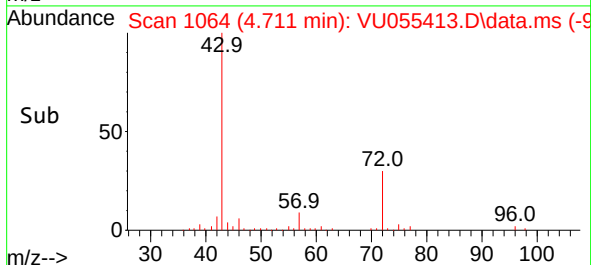
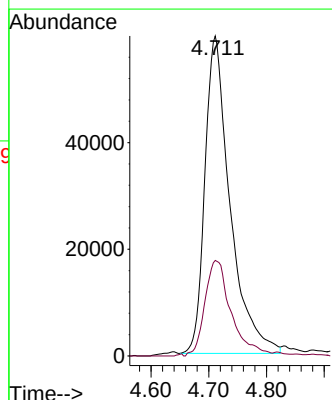
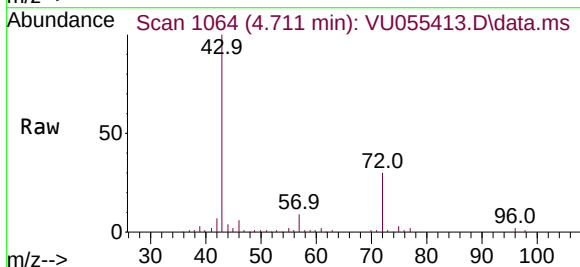
Acq: 20 Sep 2023 09:42

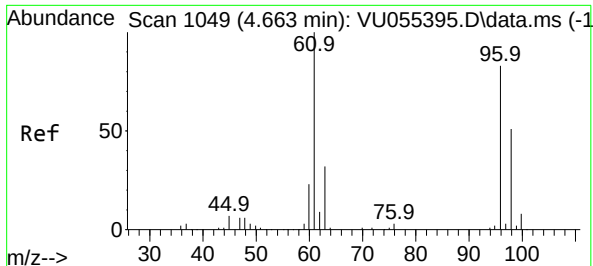
Tgt Ion: 43 Resp: 180001

Ion Ratio Lower Upper

43 100

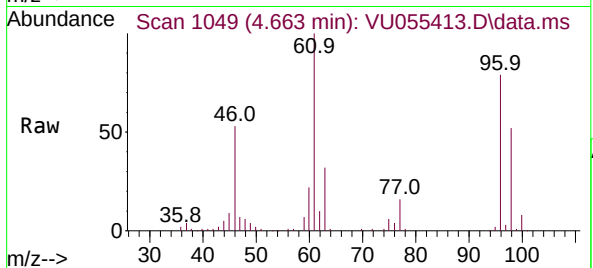
72 31.4 15.1 45.3





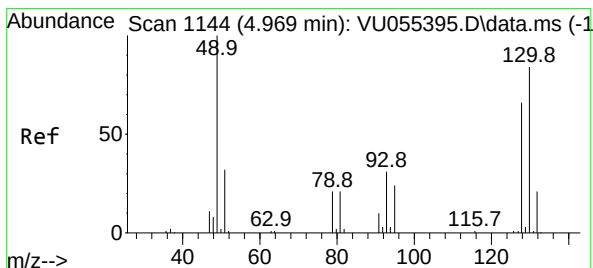
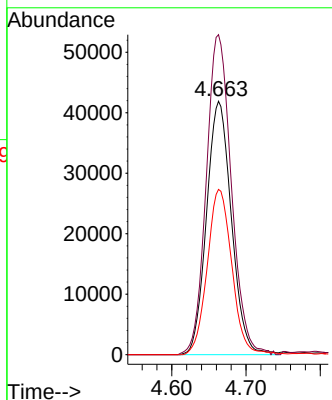
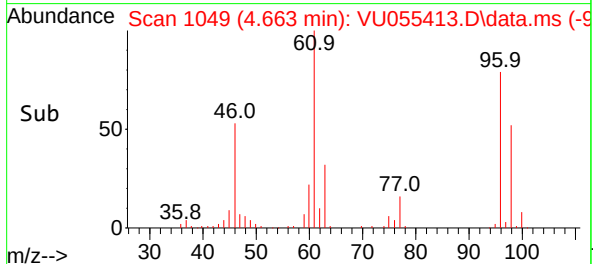
#22
 cis-1,2-Dichloroethene
 Concen: 4.497 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

Instrument :
 MSVOA_U
 ClientSampleId :

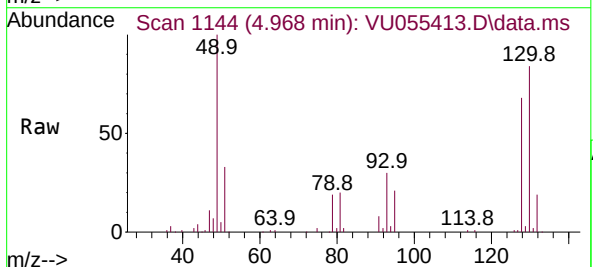


Tgt Ion: 96 Resp: 97662

Ion	Ratio	Lower	Upper
96	100		
61	126.2	87.8	163.2
98	65.2	44.4	82.4

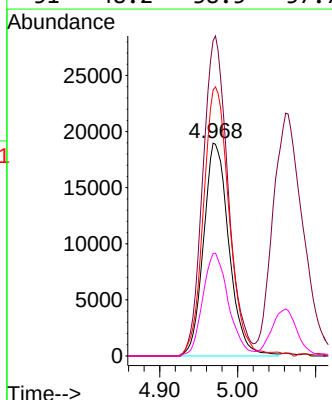
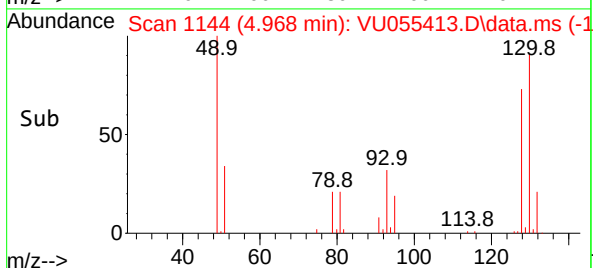


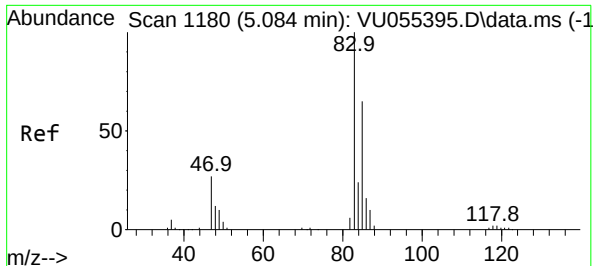
#23
 Bromochloromethane
 Concen: 4.671 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42



Tgt Ion: 128 Resp: 42879

Ion	Ratio	Lower	Upper
128	100		
49	148.1	102.8	191.0
130	125.0	89.9	166.9
51	48.2	38.5	57.7





#25

Chloroform

Concen: 4.851 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

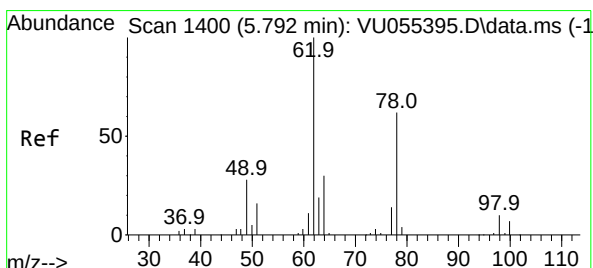
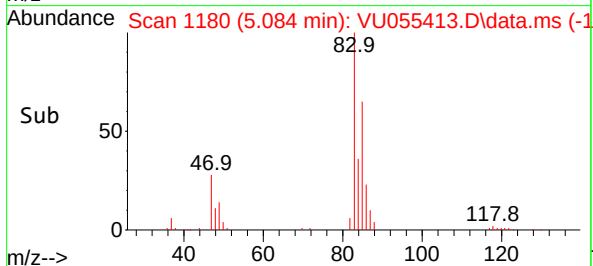
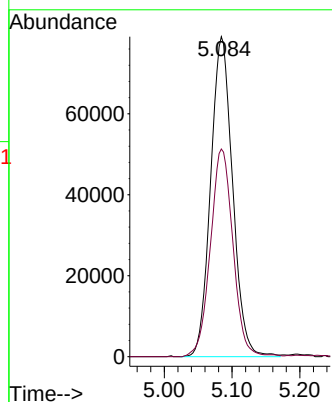
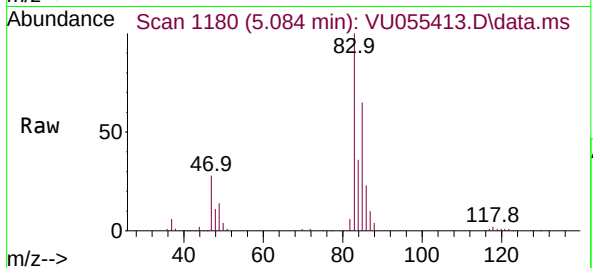
ClientSampleId :

Tgt Ion: 83 Resp: 177927

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5



#27

1,2-Dichloroethane

Concen: 4.834 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055413.D

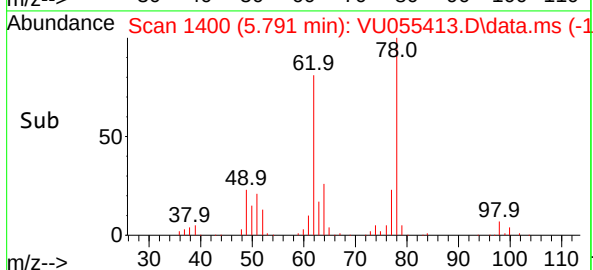
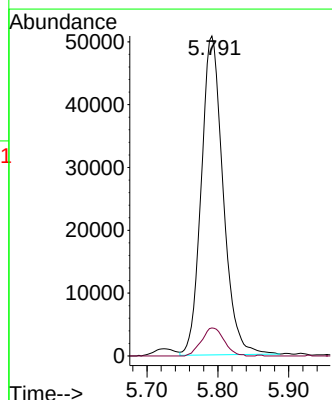
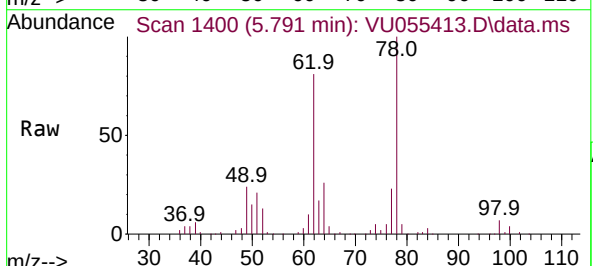
Acq: 20 Sep 2023 09:42

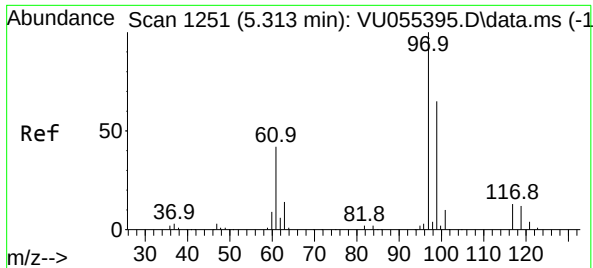
Tgt Ion: 62 Resp: 108741

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.801 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

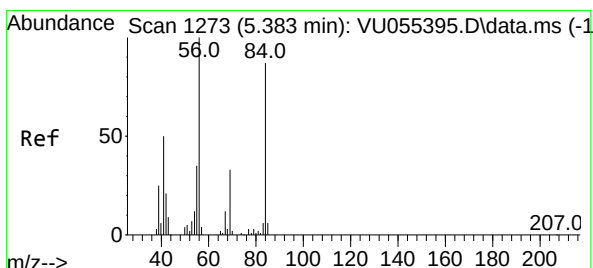
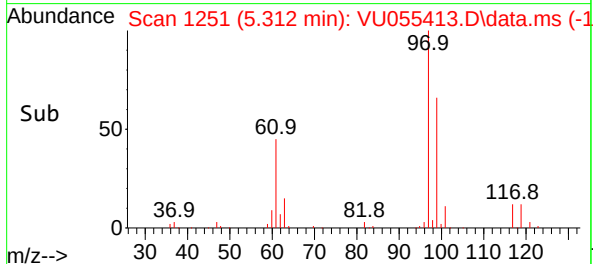
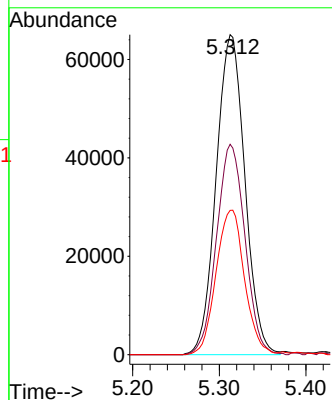
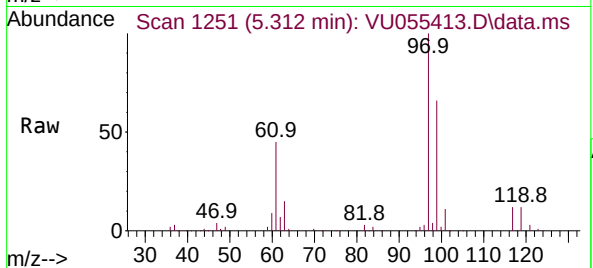
Tgt Ion: 97 Resp: 150008

Ion Ratio Lower Upper

97 100

99 65.2 50.7 76.1

61 44.7 34.6 51.8



#30

Cyclohexane

Concen: 4.621 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

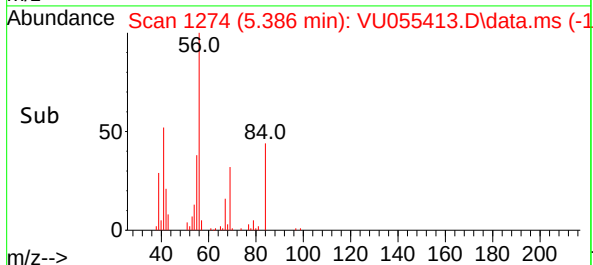
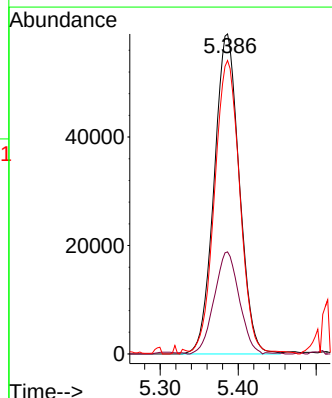
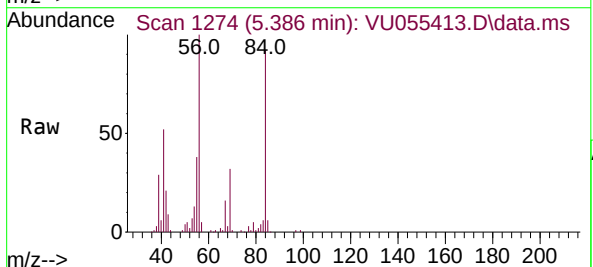
Tgt Ion: 56 Resp: 132164

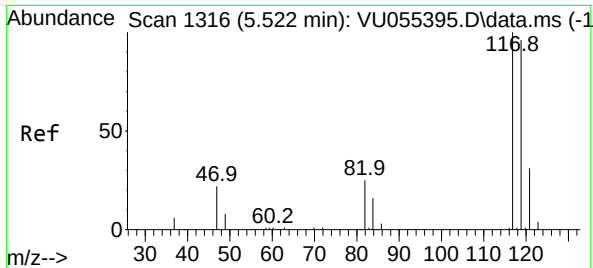
Ion Ratio Lower Upper

56 100

69 31.7 26.5 39.7

84 92.4 72.6 108.8

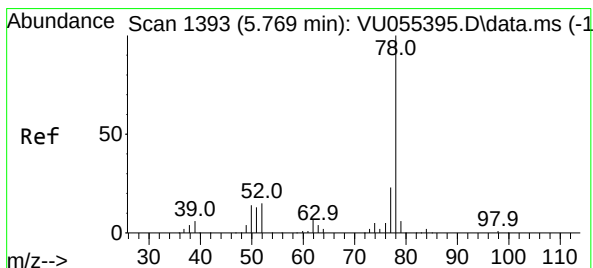
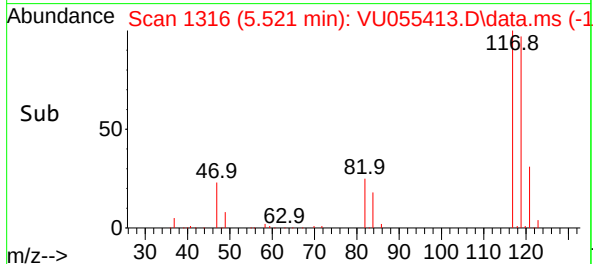
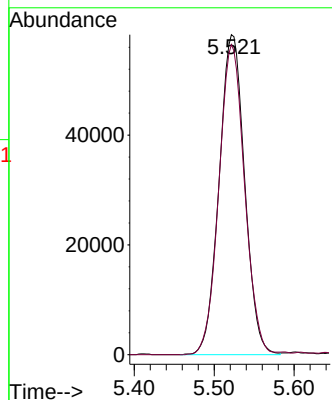
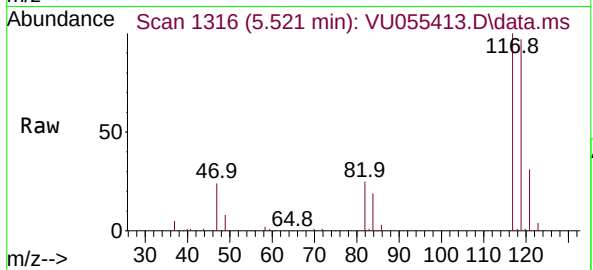




#31
Carbon tetrachloride
Concen: 4.828 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

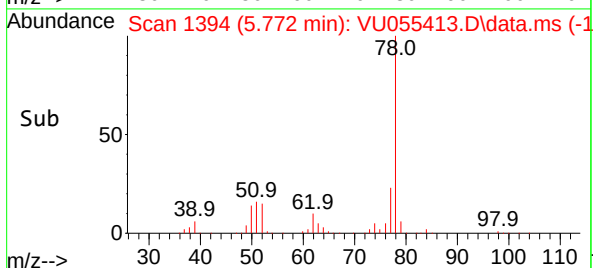
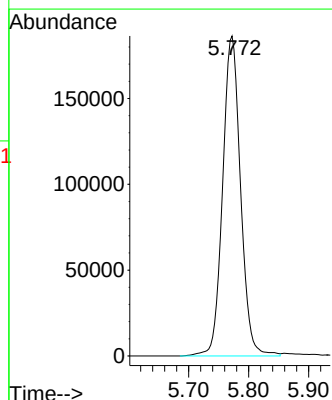
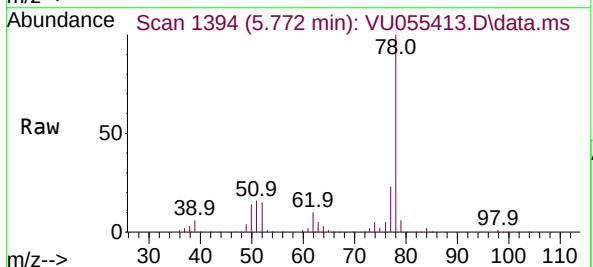
Instrument :
MSVOA_U
ClientSampleId :

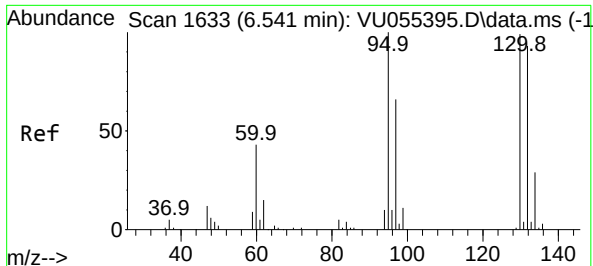
Tgt Ion:117 Resp: 129303
Ion Ratio Lower Upper
117 100
119 97.3 75.2 112.8



#33
Benzene
Concen: 4.897 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion: 78 Resp: 386257





#34

Trichloroethene

Concen: 4.684 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 104502

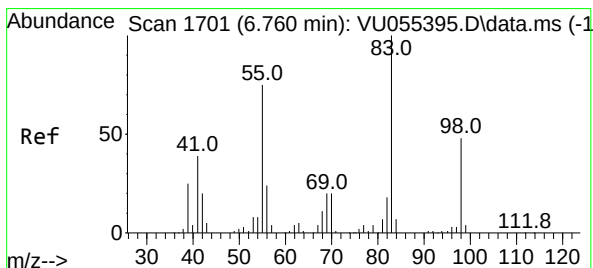
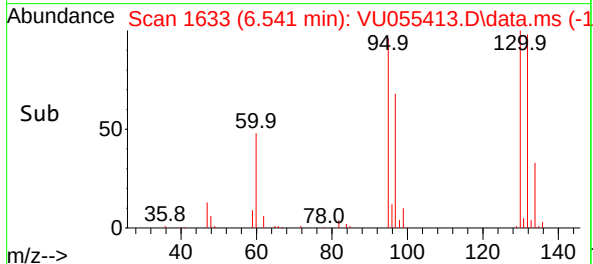
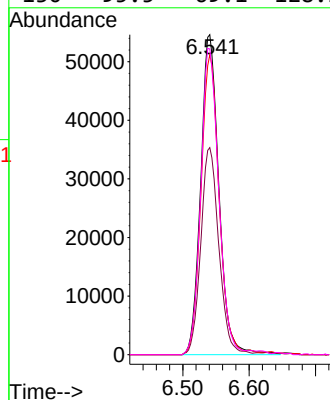
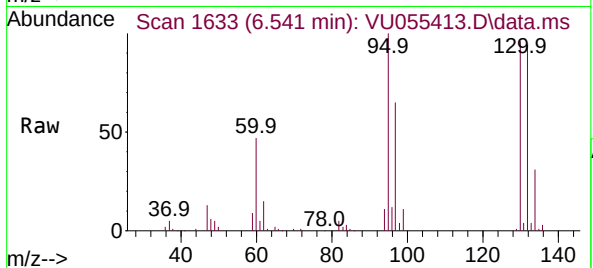
Ion Ratio Lower Upper

95 100

97 64.7 45.4 84.2

132 93.7 65.2 121.2

130 95.5 69.1 128.3



#35

Methylcyclohexane

Concen: 4.567 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

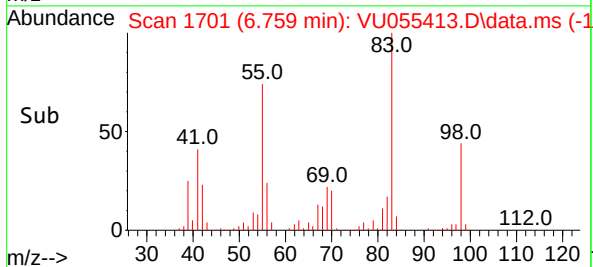
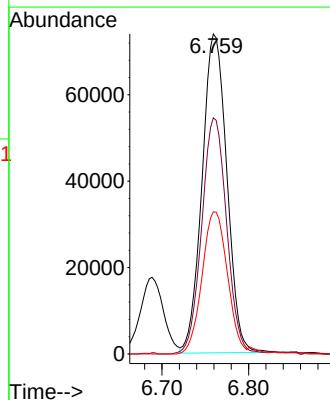
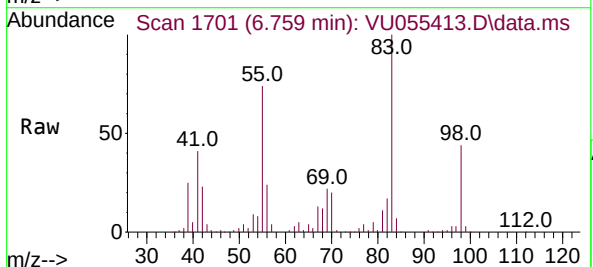
Tgt Ion: 83 Resp: 146789

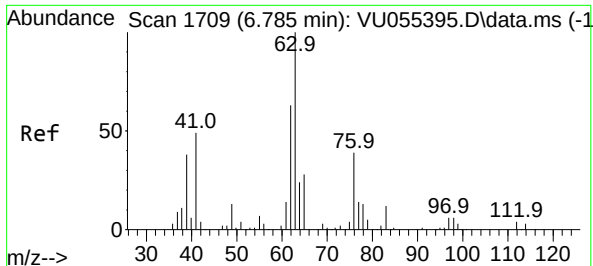
Ion Ratio Lower Upper

83 100

55 74.4 59.1 88.7

98 45.4 36.3 54.5

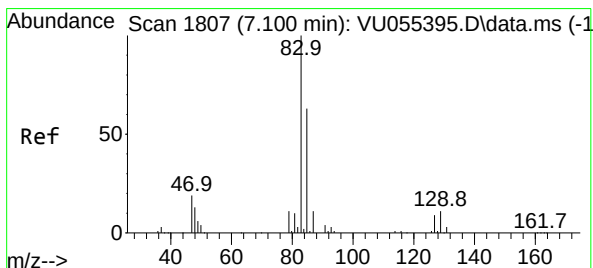
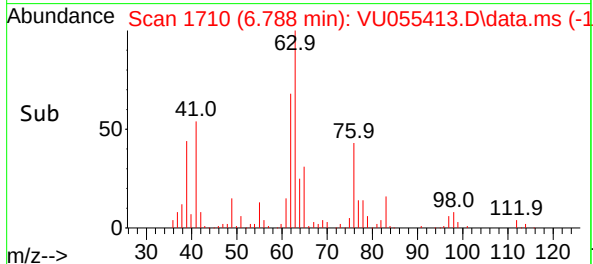
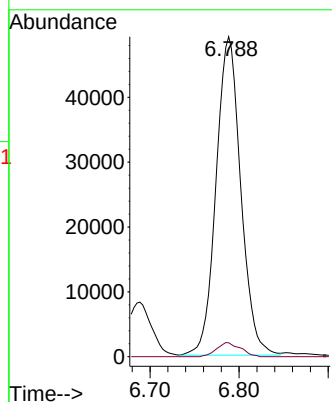
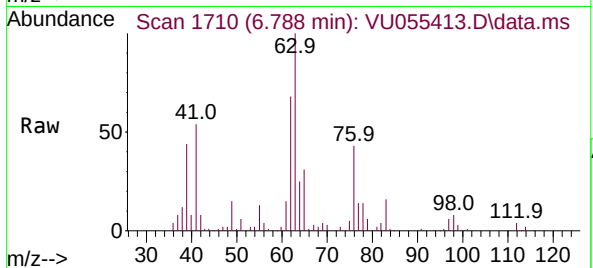




#37
1,2-Dichloropropane
Concen: 4.588 ug/L
RT: 6.788 min Scan# 1710
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

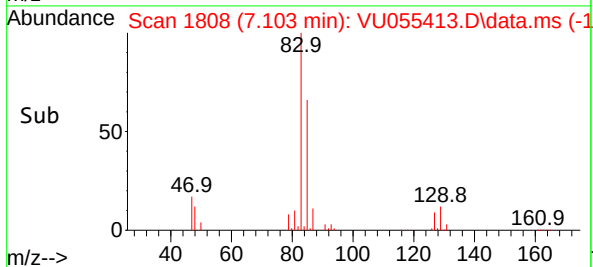
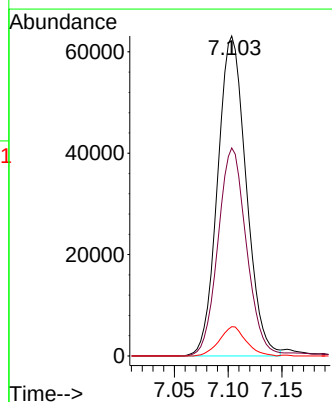
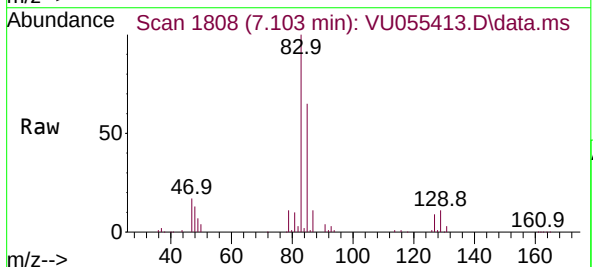
Instrument :
MSVOA_U
ClientSampleId :

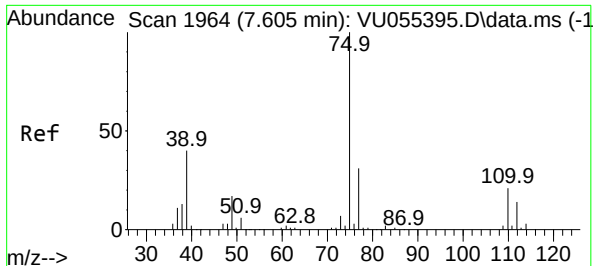
Tgt Ion: 63 Resp: 94653
Ion Ratio Lower Upper
63 100
112 4.3 3.0 4.6



#38
Bromodichloromethane
Concen: 4.821 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion: 83 Resp: 116543
Ion Ratio Lower Upper
83 100
85 65.0 46.8 86.8
127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.552 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

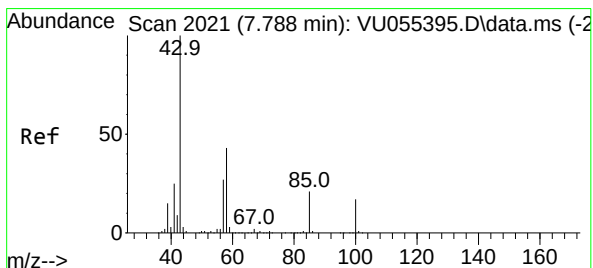
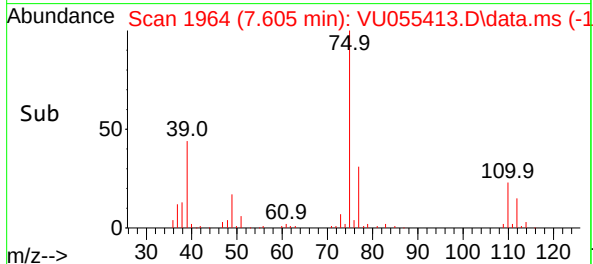
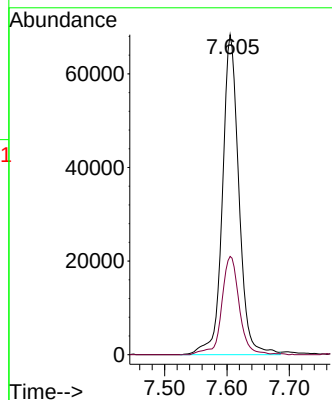
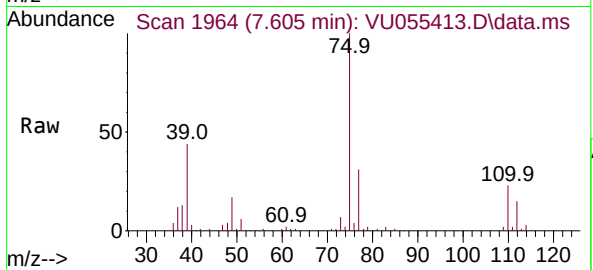
ClientSampleId :

Tgt Ion: 75 Resp: 125335

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 47.520 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

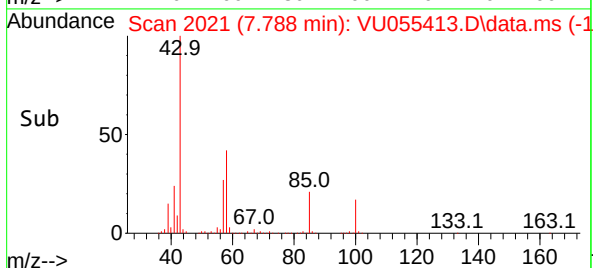
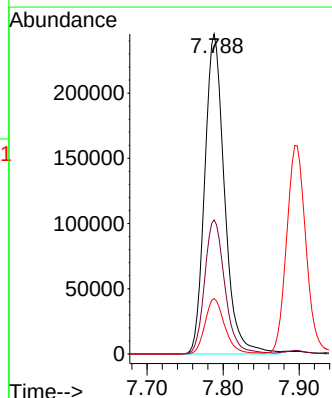
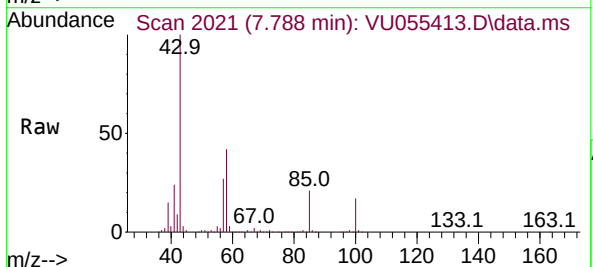
Tgt Ion: 43 Resp: 444687

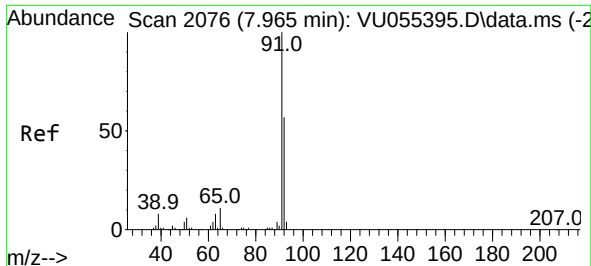
Ion Ratio Lower Upper

43 100

58 42.9 34.2 51.4

100 17.2 13.4 20.0





#42

Toluene

Concen: 4.943 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

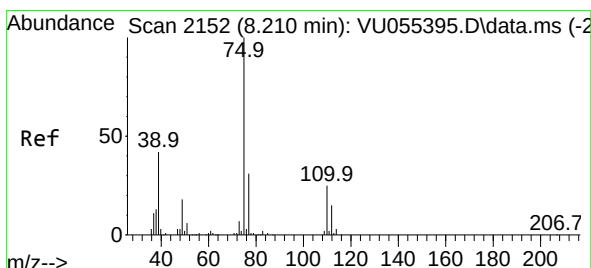
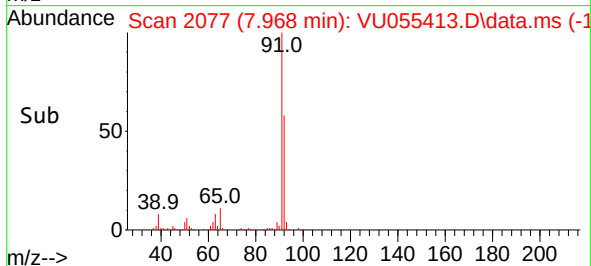
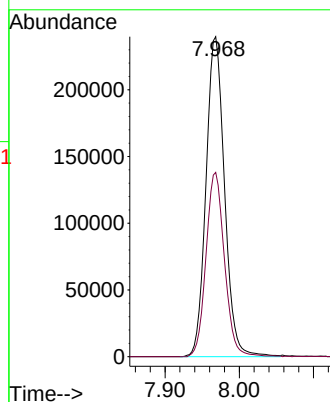
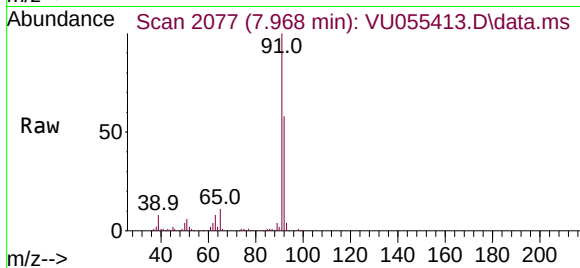
ClientSampleId :

Tgt Ion: 91 Resp: 415865

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.571 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VU055413.D

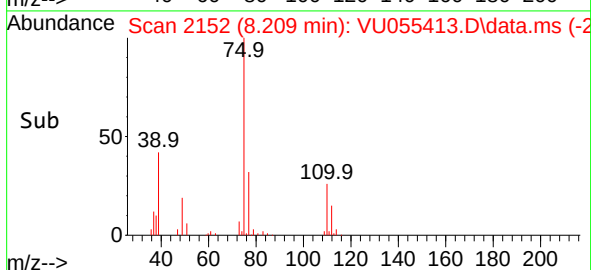
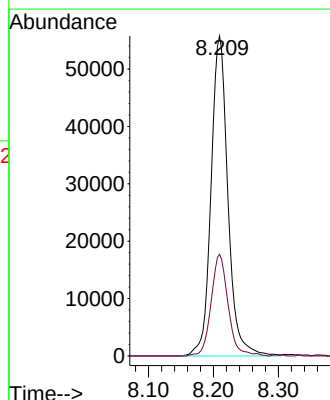
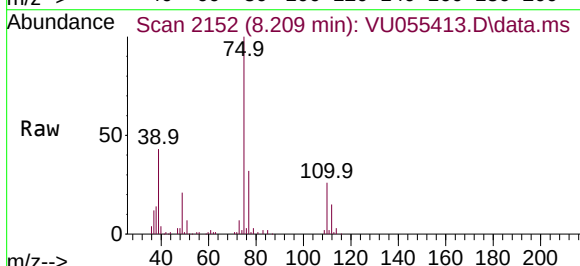
Acq: 20 Sep 2023 09:42

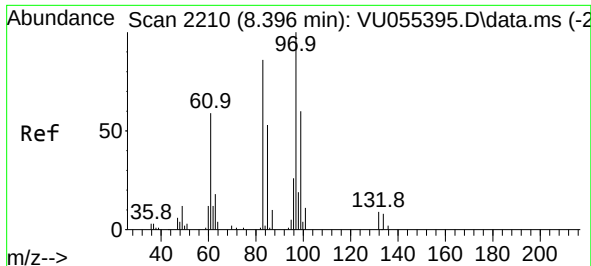
Tgt Ion: 75 Resp: 100685

Ion Ratio Lower Upper

75 100

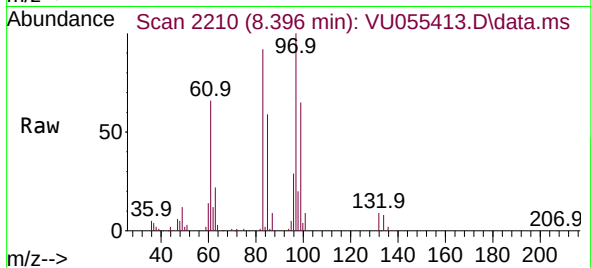
77 31.8 21.8 40.4



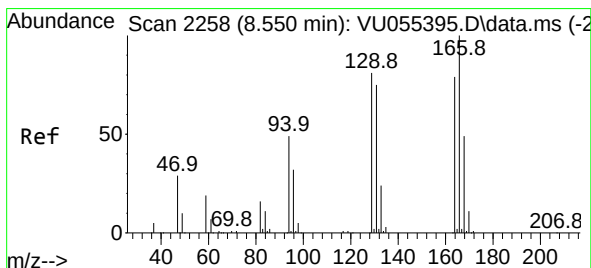
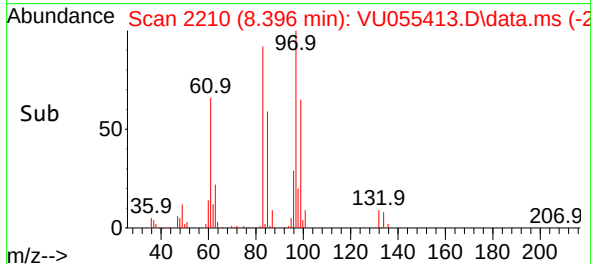
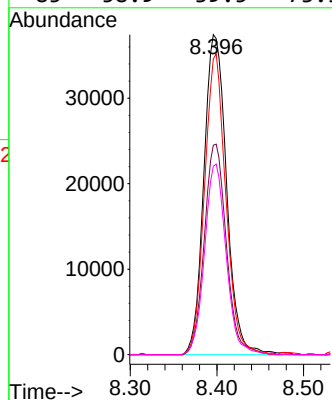


#45
1,1,2-Trichloroethane
Concen: 4.721 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Instrument :
MSVOA_U
ClientSampleId :

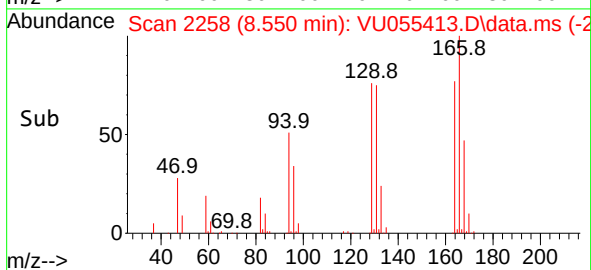
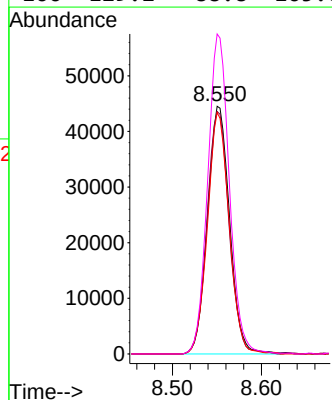
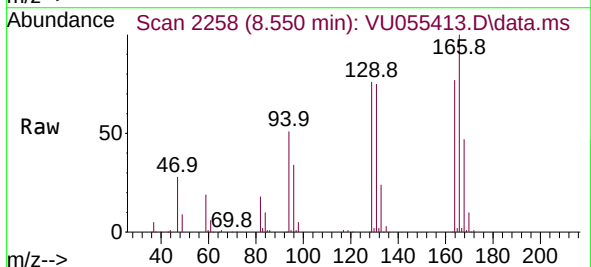


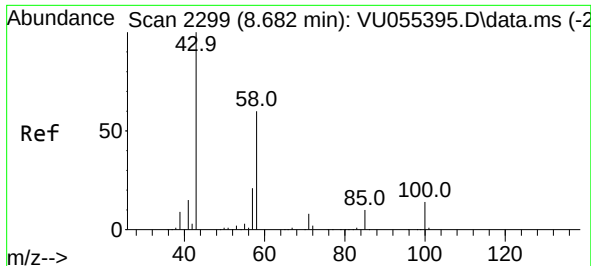
Tgt Ion:	97	Resp:	68285
Ion	Ratio	Lower	Upper
97	100		
99	65.5	44.1	81.9
83	92.4	61.5	114.1
85	58.9	39.5	73.3



#47
Tetrachloroethene
Concen: 4.809 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion:	164	Resp:	76973
Ion	Ratio	Lower	Upper
164	100		
129	97.9	67.4	125.2
131	97.4	66.4	123.2
166	129.2	88.8	165.0

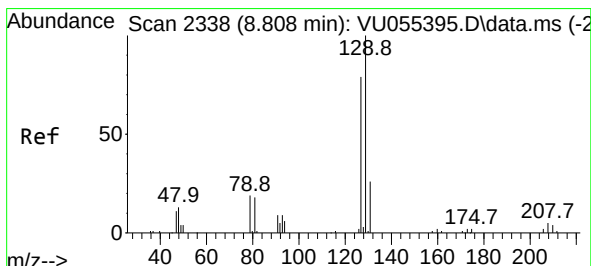
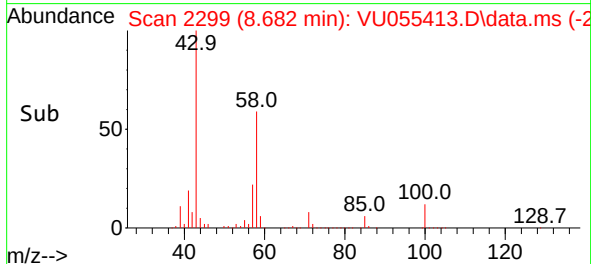
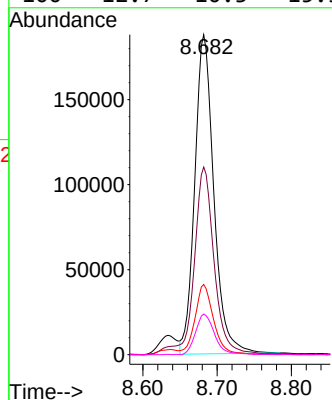
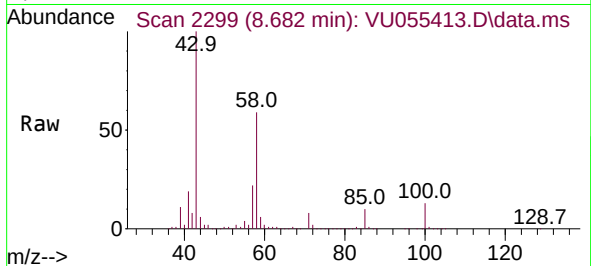




#48
2-Hexanone
Concen: 46.399 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

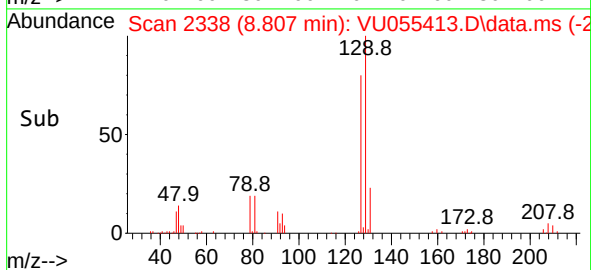
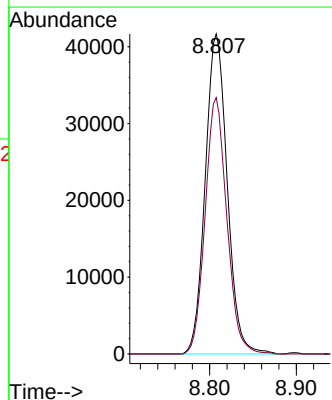
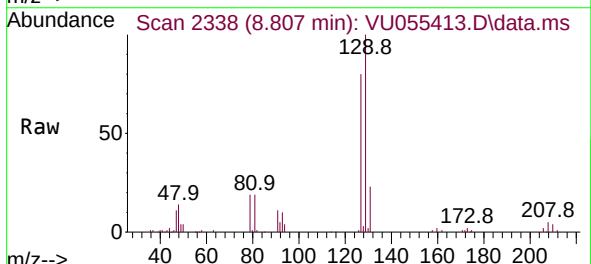
Instrument :
MSVOA_U
ClientSampleId :

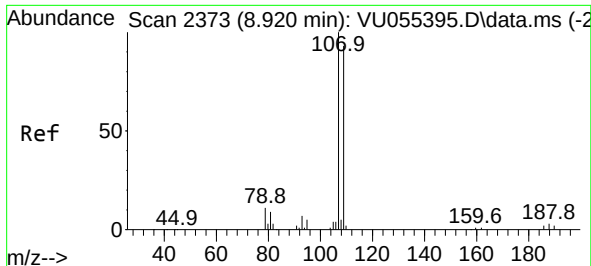
Tgt Ion: 43 Resp: 336509
Ion Ratio Lower Upper
43 100
58 62.0 48.5 72.7
57 21.1 17.0 25.4
100 12.7 10.3 15.5



#49
Dibromochloromethane
Concen: 4.847 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion: 129 Resp: 73492
Ion Ratio Lower Upper
129 100
127 80.1 56.8 105.6





#50

1,2-Dibromoethane

Concen: 4.907 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

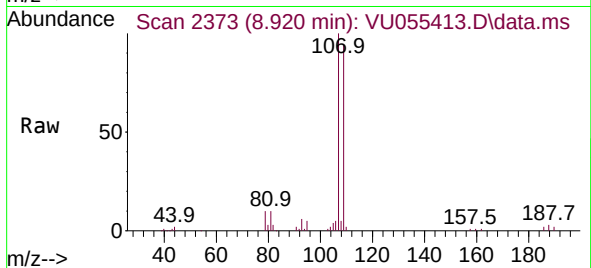
Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

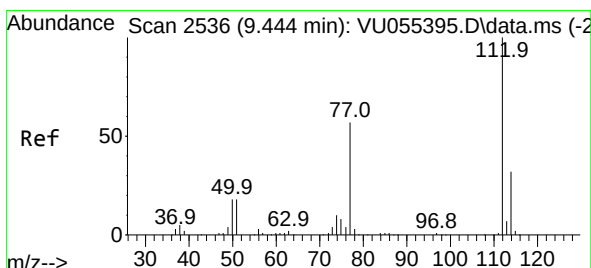
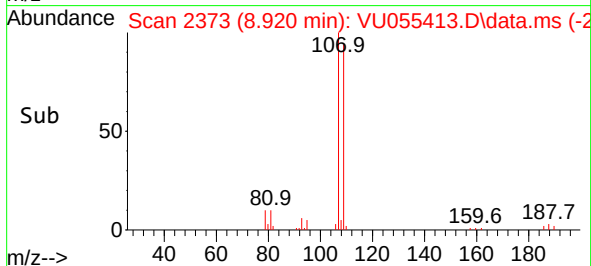
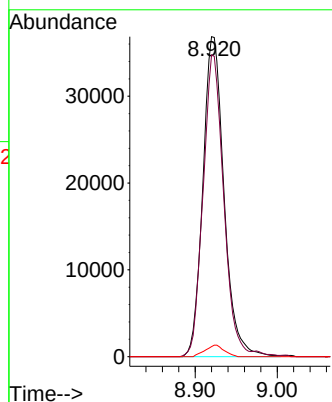
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	65868
Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.1	122.8
188	3.2	3.2	4.8#



#51

Chlorobenzene

Concen: 4.738 ug/L

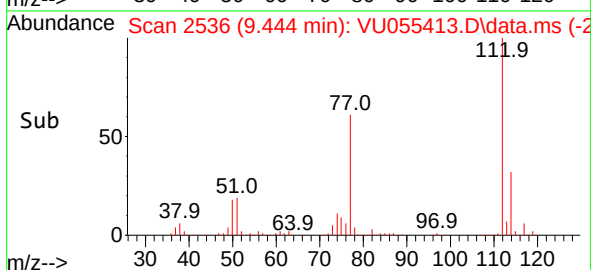
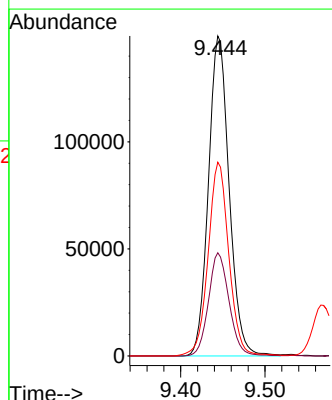
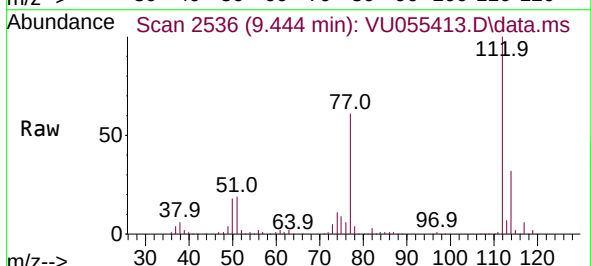
RT: 9.444 min Scan# 2536

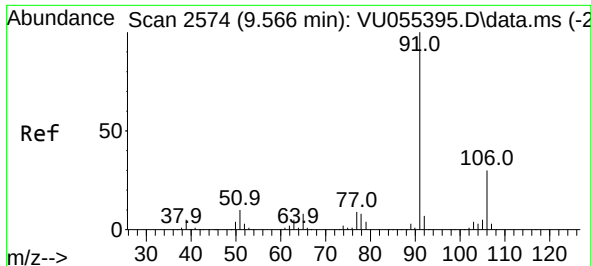
Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Tgt Ion:	112	Resp:	255326
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.0	40.8
77	60.6	46.9	70.3

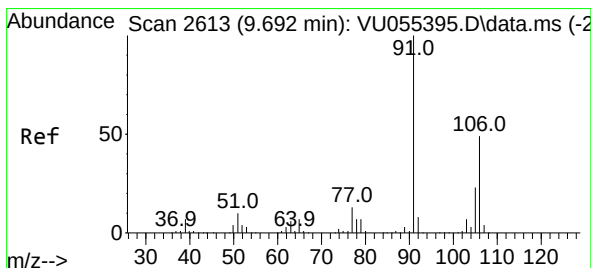
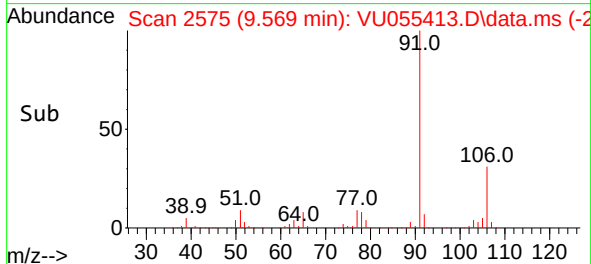
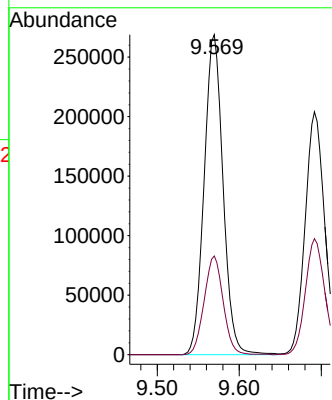
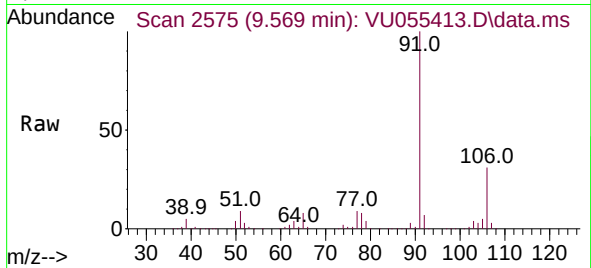




#52
Ethylbenzene
Concen: 4.781 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

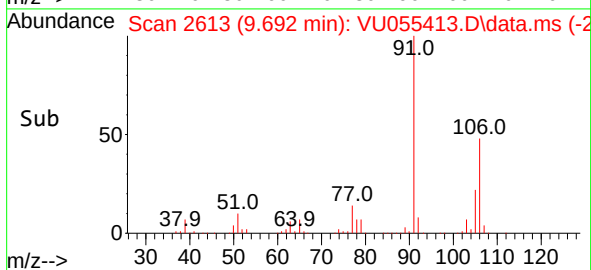
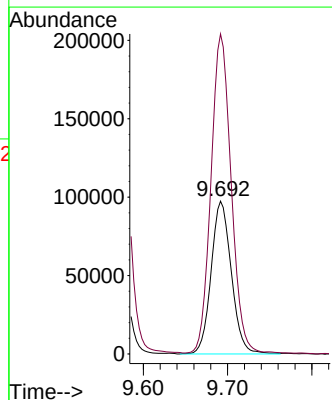
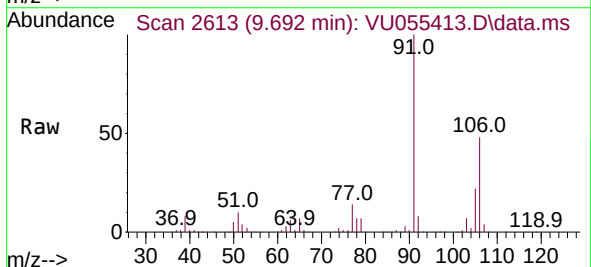
Instrument :
MSVOA_U
ClientSampleId :

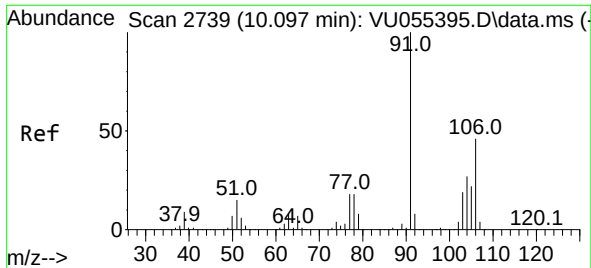
Tgt Ion: 91 Resp: 431287
Ion Ratio Lower Upper
91 100
106 30.9 22.4 41.6



#53
m,p-Xylene
Concen: 4.799 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion: 106 Resp: 162218
Ion Ratio Lower Upper
106 100
91 209.4 144.8 269.0

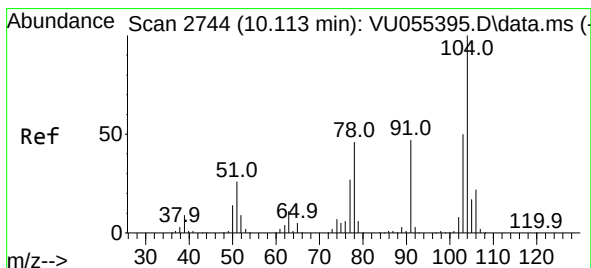
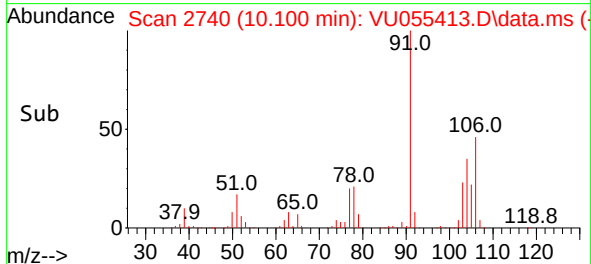
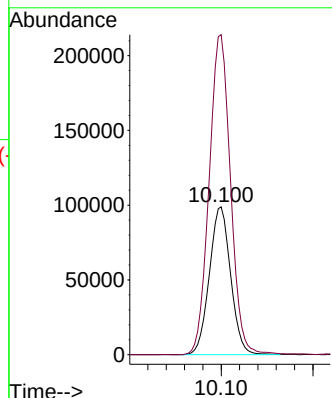
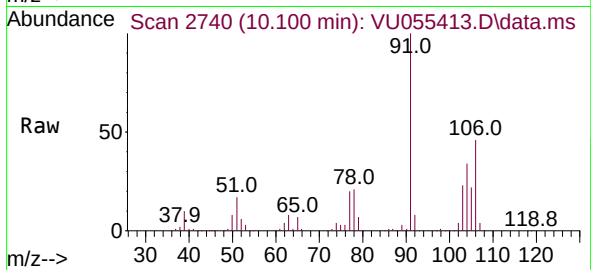




#54
o-Xylene
Concen: 4.845 ug/L
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

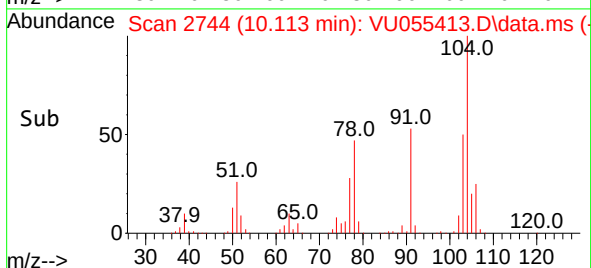
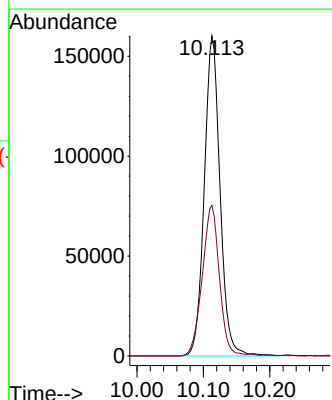
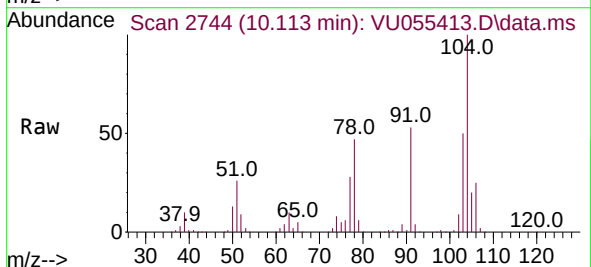
Instrument :
MSVOA_U
ClientSampleId :

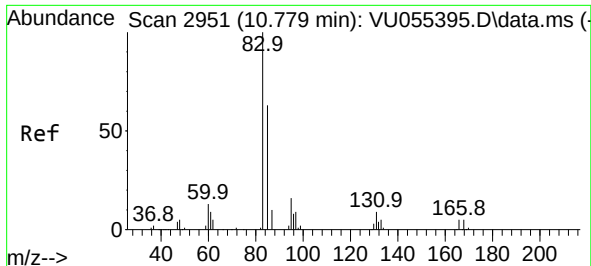
Tgt Ion:106 Resp: 159231
Ion Ratio Lower Upper
106 100
91 216.4 157.6 292.8



#55
Styrene
Concen: 4.994 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion:104 Resp: 265362
Ion Ratio Lower Upper
104 100
78 47.0 31.2 58.0

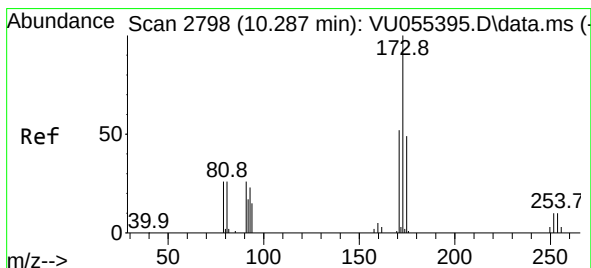
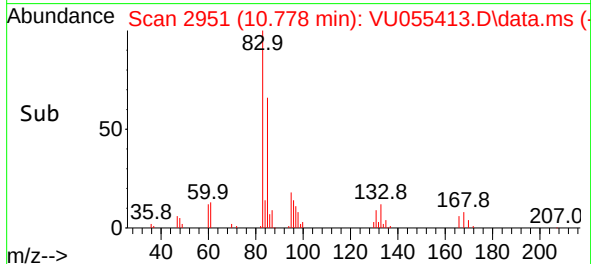
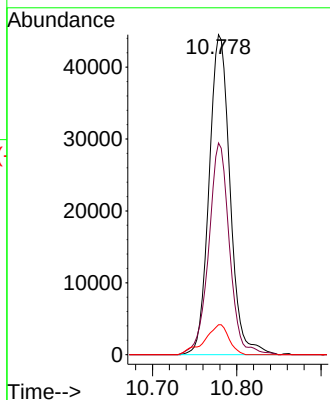
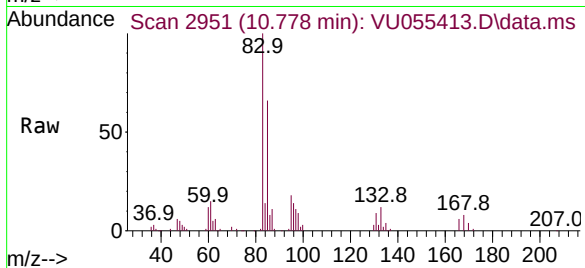




#57
1,1,2,2-Tetrachloroethane
Concen: 4.701 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

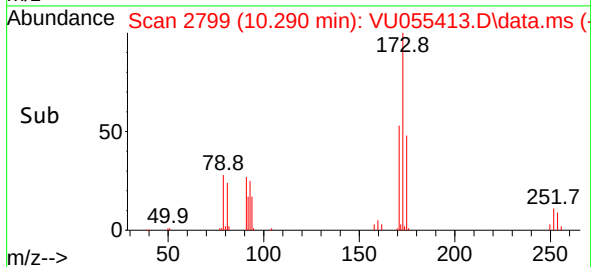
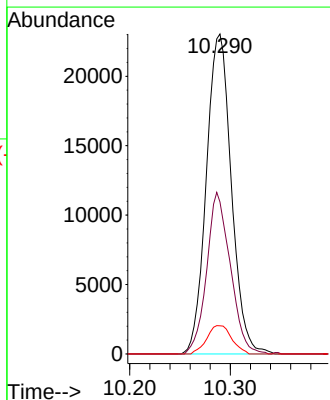
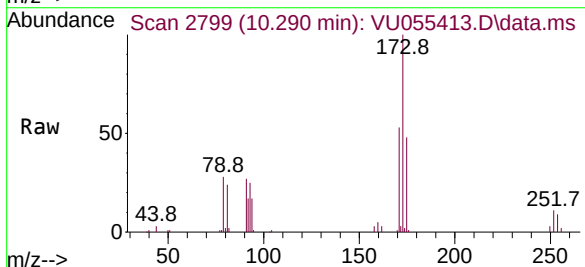
Instrument :
MSVOA_U
ClientSampleId :

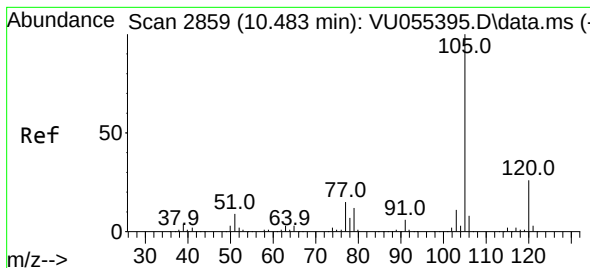
Tgt Ion: 83 Resp: 76767
Ion Ratio Lower Upper
83 100
85 66.1 44.4 82.5
131 9.3 7.4 11.2



#59
Bromoform
Concen: 5.025 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.003 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

Tgt Ion: 173 Resp: 39792
Ion Ratio Lower Upper
173 100
175 47.7 39.4 59.2
254 8.8 7.3 10.9





#60

Isopropylbenzene

Concen: 4.931 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

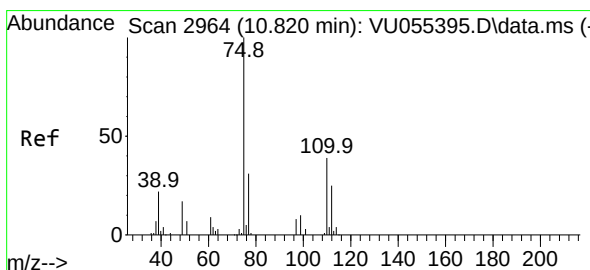
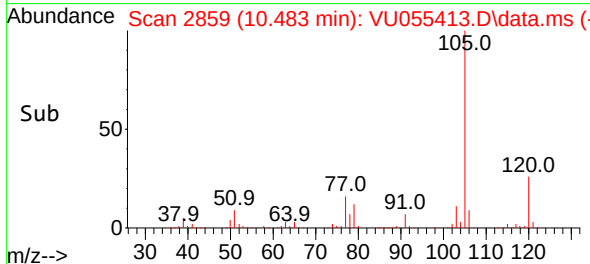
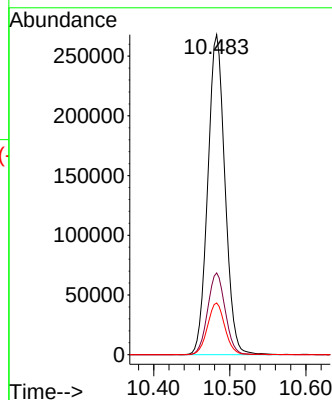
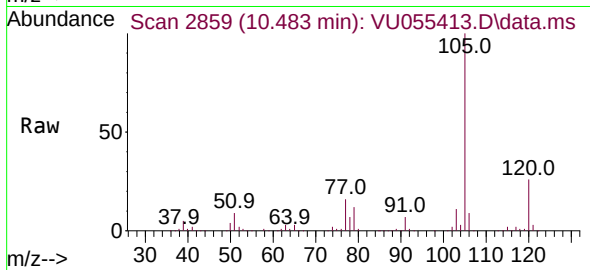
Tgt Ion:105 Resp: 419858

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

77 16.4 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.726 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

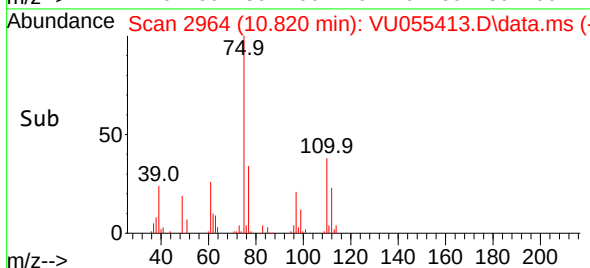
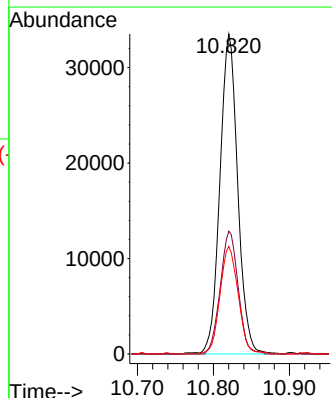
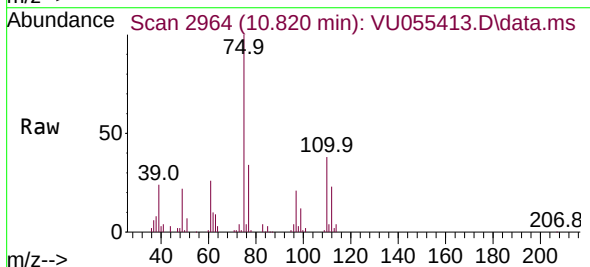
Tgt Ion: 75 Resp: 54506

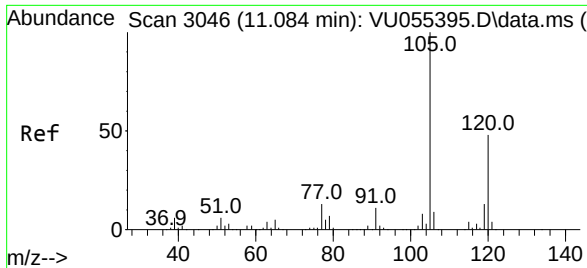
Ion Ratio Lower Upper

75 100

110 38.5 30.6 45.8

77 34.2 26.7 40.1

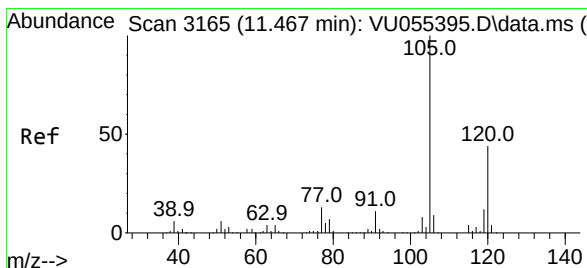
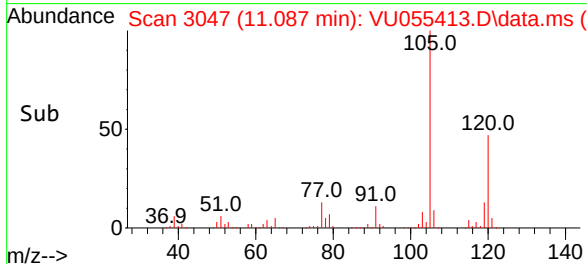
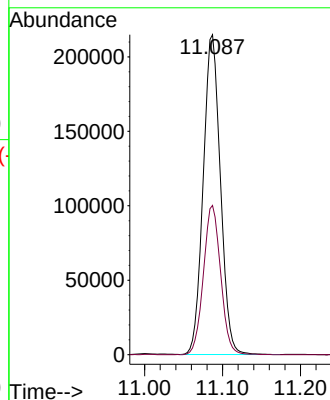
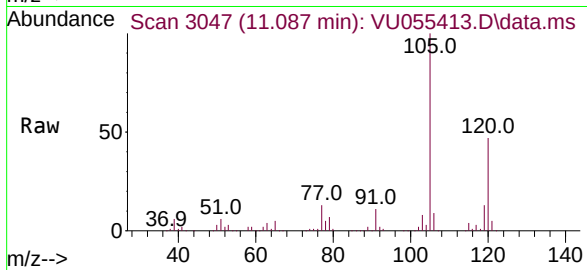




#62
 1,3,5-Trimethylbenzene
 Concen: 4.833 ug/L
 RT: 11.087 min Scan# 3046
 Delta R.T. 0.003 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

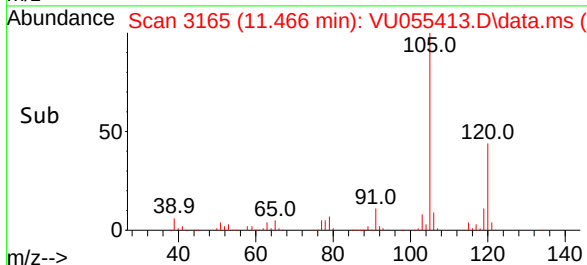
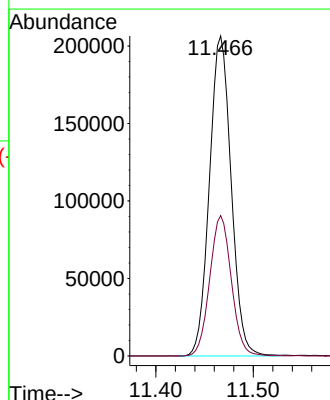
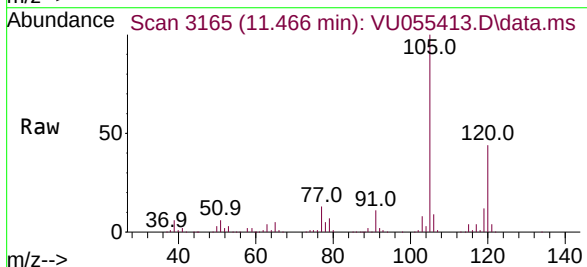
Instrument :
 MSVOA_U
 ClientSampleId :

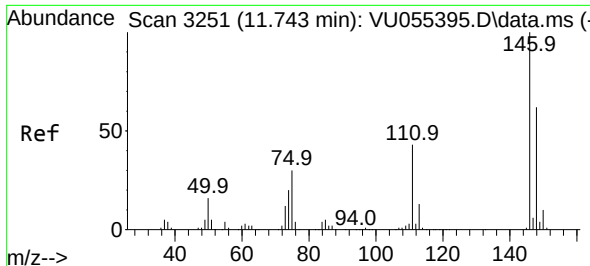
Tgt Ion:105 Resp: 329102
 Ion Ratio Lower Upper
 105 100
 120 46.7 38.1 57.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.799 ug/L
 RT: 11.466 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

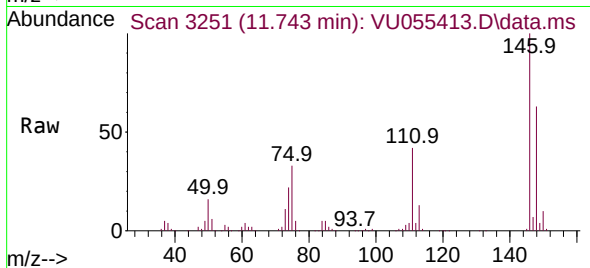
Tgt Ion:105 Resp: 319865
 Ion Ratio Lower Upper
 105 100
 120 43.6 34.9 52.3



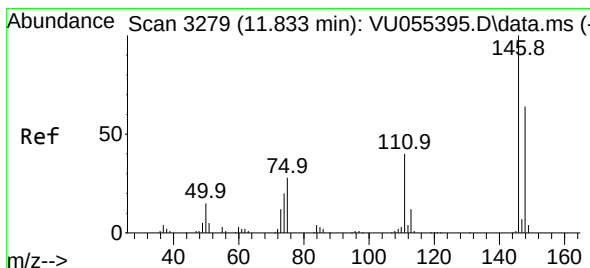
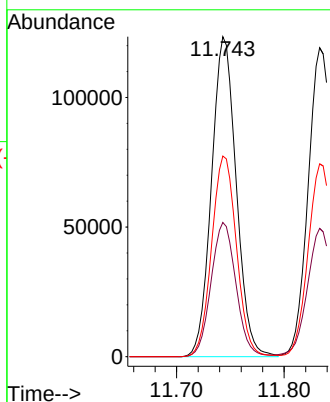
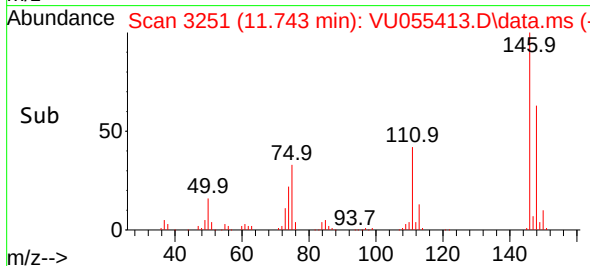


#64
1,3-Dichlorobenzene
Concen: 4.834 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42

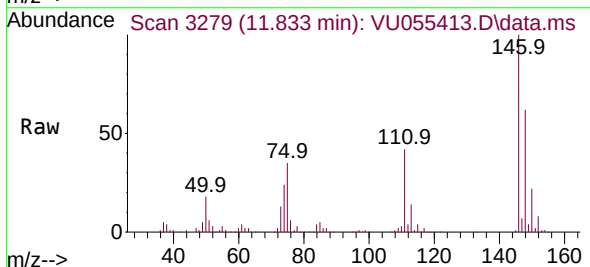
Instrument :
MSVOA_U
ClientSampleId :



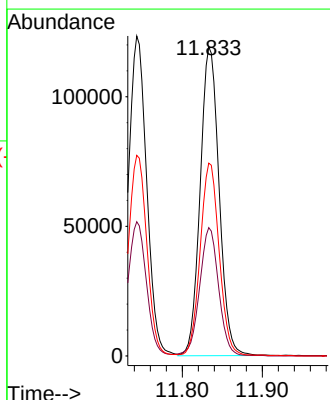
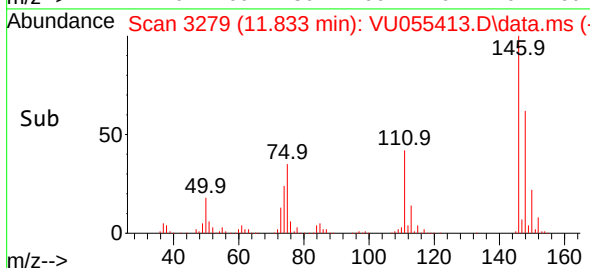
Tgt Ion:146 Resp: 197085
Ion Ratio Lower Upper
146 100
111 41.9 28.8 53.6
148 62.7 44.6 82.8

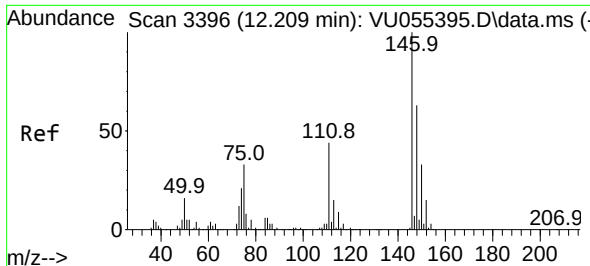


#65
1,4-Dichlorobenzene
Concen: 4.827 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055413.D
Acq: 20 Sep 2023 09:42



Tgt Ion:146 Resp: 196660
Ion Ratio Lower Upper
146 100
111 41.5 29.0 53.8
148 62.4 45.4 84.4

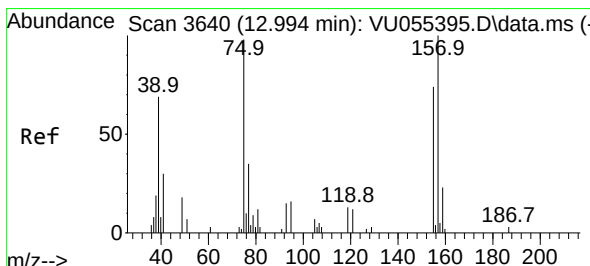
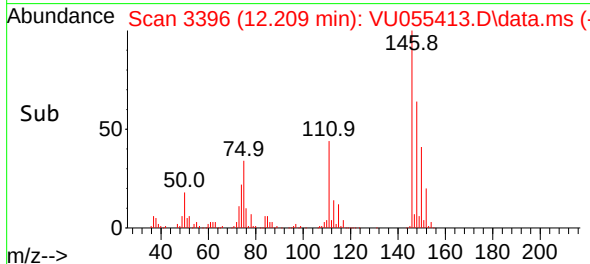
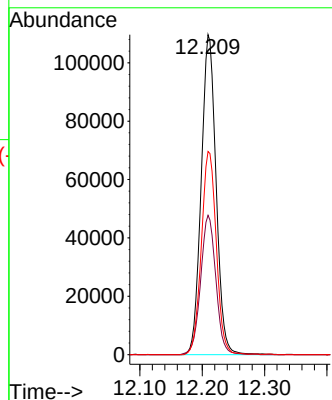
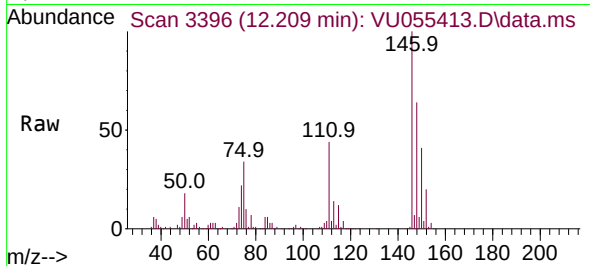




#67
 1,2-Dichlorobenzene
 Concen: 4.862 ug/L
 RT: 12.209 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

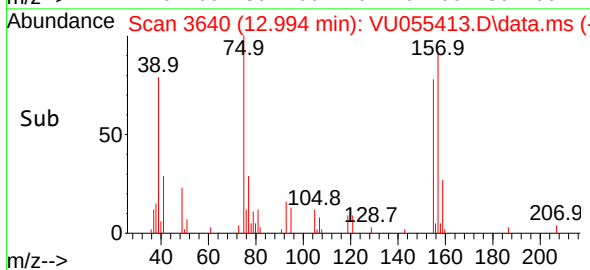
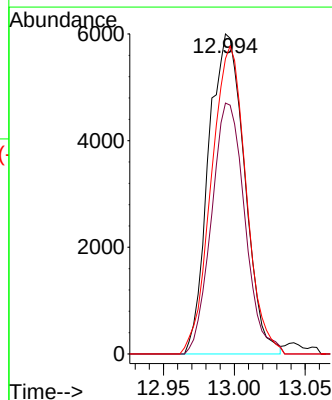
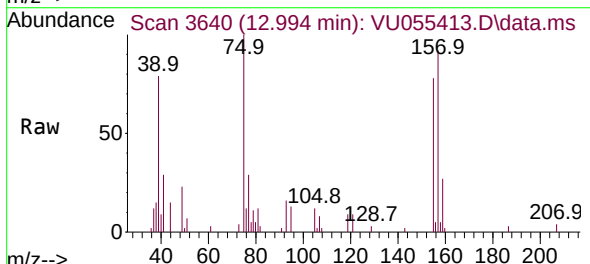
Instrument :
 MSVOA_U
 ClientSampleId :

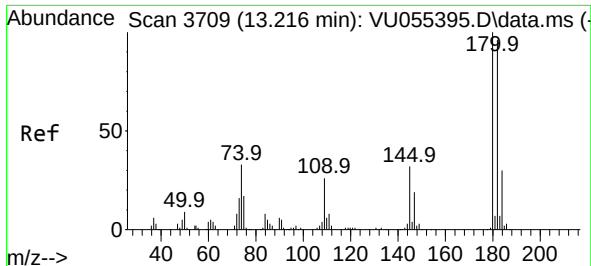
Tgt Ion:146 Resp: 181712
 Ion Ratio Lower Upper
 146 100
 111 43.5 34.6 52.0
 148 63.5 51.8 77.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.299 ug/L
 RT: 12.994 min Scan# 3640
 Delta R.T. -0.000 min
 Lab File: VU055413.D
 Acq: 20 Sep 2023 09:42

Tgt Ion: 75 Resp: 10594
 Ion Ratio Lower Upper
 75 100
 155 78.4 69.2 103.8
 157 92.3 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 4.477 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

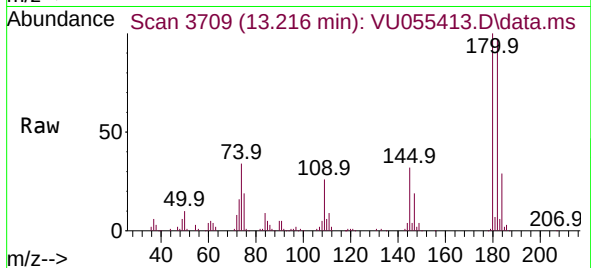
Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 125674

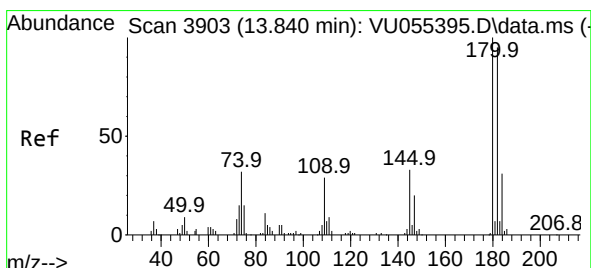
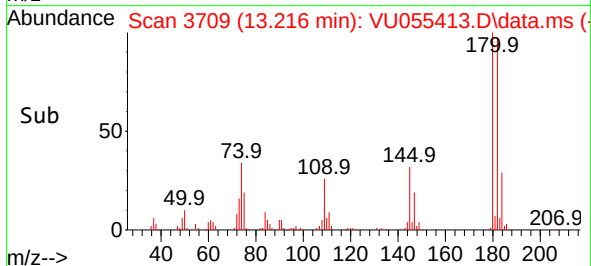
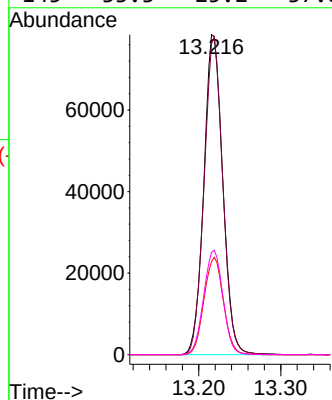
Ion Ratio Lower Upper

180 100

182 98.2 77.1 115.7

184 31.2 24.0 36.0

145 33.3 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.445 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

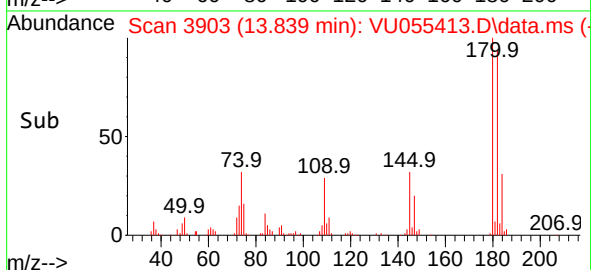
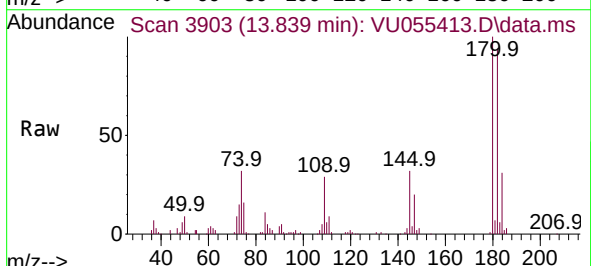
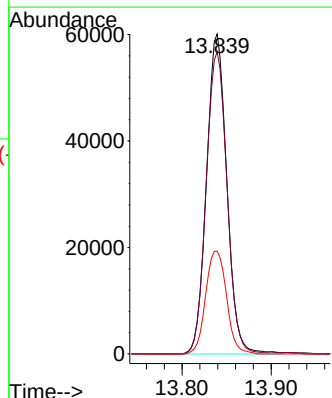
Tgt Ion:180 Resp: 95144

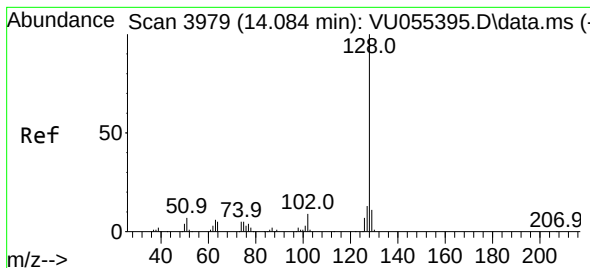
Ion Ratio Lower Upper

180 100

182 96.7 76.4 114.6

145 33.1 25.4 38.0





#71

Naphthalene

Concen: 4.301 ug/L

RT: 14.087 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

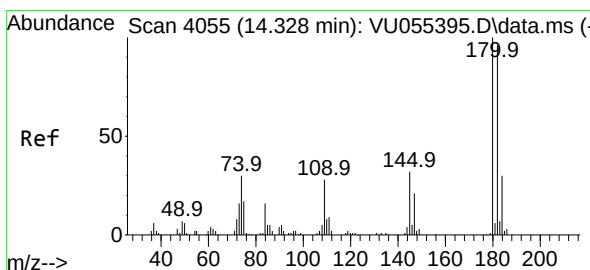
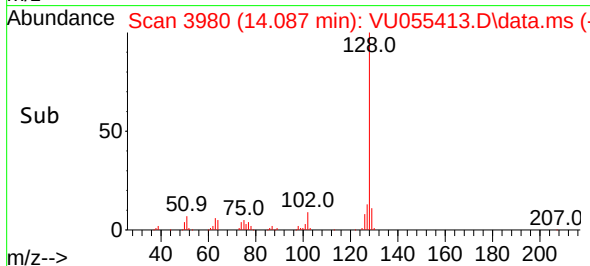
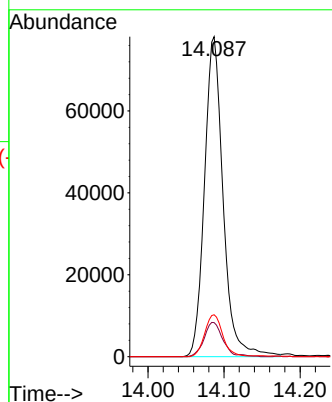
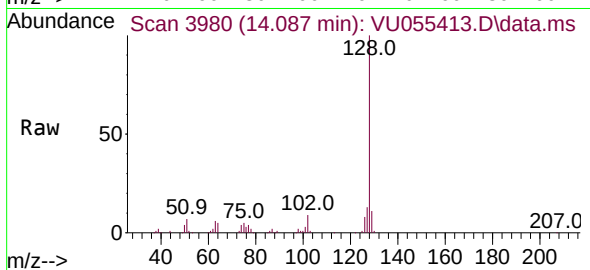
Tgt Ion:128 Resp: 133270

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

127 12.7 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.501 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. -0.000 min

Lab File: VU055413.D

Acq: 20 Sep 2023 09:42

Tgt Ion:180 Resp: 83830

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.4

145 35.1 26.0 39.0

