

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057129.D
 Acq On : 21 Dec 2023 11:23
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:04:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:04:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	162164	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	158691	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	71697	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	6992	0.489	ug/L	0.00
7) Chloroethane-d5	1.911	69	5805	0.534	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	2871	0.466	ug/L	0.00
20) 2-Butanone-d5	4.644	46	4300	1.603	ug/L	0.02
24) Chloroform-d	5.062	84	14176	0.521	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	6397	0.497	ug/L	0.00
32) Benzene-d6	5.724	84	24755	0.491	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	7063	0.454	ug/L	0.00
41) Toluene-d8	7.894	98	20615	0.453	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.181	79	2907	0.477	ug/L	0.00
46) 2-Hexanone-d5	8.637	63	8013	3.532	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	5124	0.456	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	7950	0.552	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	8218	0.490	ug/L	93
3) Chloromethane	1.519	50	8951	0.562	ug/L	94
5) Vinyl chloride	1.605	62	7385	0.456	ug/L	96
6) Bromomethane	1.856	94	3627	0.400	ug/L	93
8) Chloroethane	1.933	64	4770	0.498	ug/L	# 78
9) Trichlorofluoromethane	2.136	101	13744	0.572	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	7135	0.502	ug/L	96
12) 1,1-Dichloroethene	2.576	96	6665	0.514	ug/L	92
13) Acetone	2.634	43	7947	4.847	ug/L	92
14) Carbon disulfide	2.792	76	24741	0.563	ug/L	99
15) Methyl Acetate	2.949	43	754	0.173	ug/L	99
16) Methylene chloride	3.043	84	9230	0.653	ug/L	92
17) Methyl tert-butyl Ether	3.361	73	12540	0.438	ug/L	93
18) trans-1,2-Dichloroethene	3.354	96	6146	0.468	ug/L	93
19) 1,1-Dichloroethane	3.866	63	12525	0.494	ug/L	96
21) 2-Butanone	4.724	43	8089	2.993	ug/L	96
22) cis-1,2-Dichloroethene	4.670	96	6283	0.438	ug/L	93
23) Bromochloromethane	4.969	128	1448	0.243	ug/L	92
25) Chloroform	5.081	83	14175	0.527	ug/L	93
27) 1,2-Dichloroethane	5.792	62	8563	0.536	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	13412	0.570	ug/L	96
30) Cyclohexane	5.387	56	8245	0.398	ug/L	# 94
31) Carbon tetrachloride	5.518	117	11673	0.569	ug/L	97
33) Benzene	5.772	78	25854	0.471	ug/L	100
34) Trichloroethene	6.538	95	8003	0.527	ug/L	98
35) Methylcyclohexane	6.753	83	8895	0.401	ug/L	96
37) 1,2-Dichloropropane	6.785	63	6311	0.452	ug/L	# 90
38) Bromodichloromethane	7.104	83	9419	0.516	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	8510	0.417	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	25872	3.948	ug/L	99
42) Toluene	7.965	91	25976	0.454	ug/L	98
44) trans-1,3-Dichloropropene	8.210	75	8114	0.479	ug/L	97

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

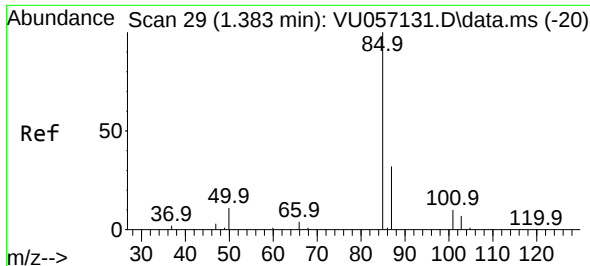
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:04:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:04:21 2023
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.393	97	4511	0.478	ug/L	95
47) Tetrachloroethene	8.544	164	5527	0.516	ug/L	85
48) 2-Hexanone	8.685	43	20283	4.326	ug/L	89
49) Dibromochloromethane	8.801	129	5868	0.528	ug/L	89
50) 1,2-Dibromoethane	8.920	107	3875	0.442	ug/L #	96
51) Chlorobenzene	9.444	112	17725	0.486	ug/L	98
52) Ethylbenzene	9.566	91	28505	0.452	ug/L	94
53) m,p-Xylene	9.692	106	9967	0.423	ug/L	99
54) o-Xylene	10.097	106	9931	0.443	ug/L	94
55) Styrene	10.113	104	14974	0.406	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	5374	0.467	ug/L	86
59) Bromoform	10.287	173	2928	0.504	ug/L #	96
60) Isopropylbenzene	10.480	105	25561	0.455	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	3916	0.521	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	20175	0.439	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	19482	0.428	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	13430	0.505	ug/L	92
65) 1,4-Dichlorobenzene	11.833	146	13995	0.529	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	11994	0.493	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.997	75	772	0.499	ug/L	84
69) 1,3,5-Trichlorobenzene	13.216	180	9688	0.480	ug/L	96
70) 1,2,4-trichlorobenzene	13.840	180	8226	0.516	ug/L	95
71) Naphthalene	14.087	128	9186	0.396	ug/L #	90
72) 1,2,3-Trichlorobenzene	14.325	180	5935	0.441	ug/L	96

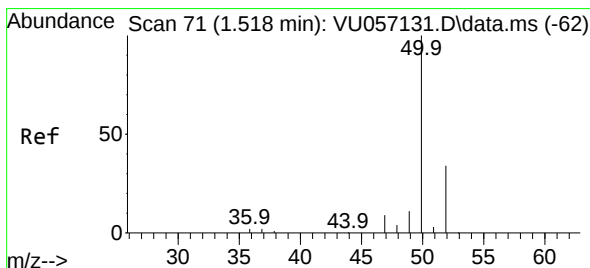
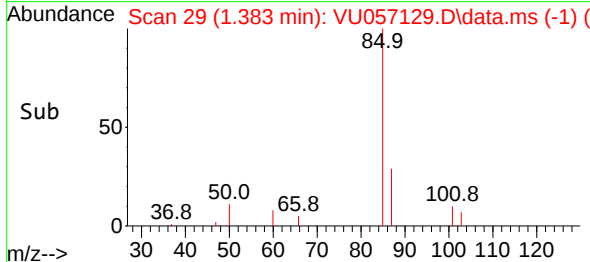
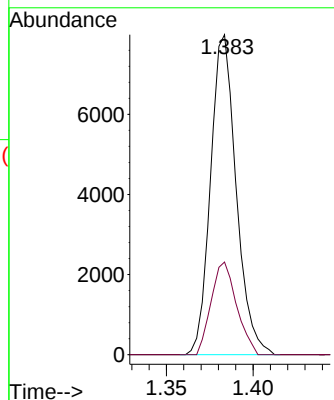
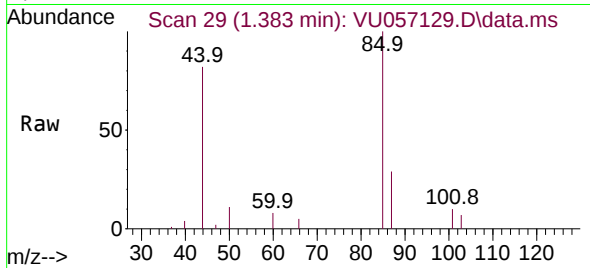
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.490 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057129.D
 Acq: 21 Dec 2023 11:23

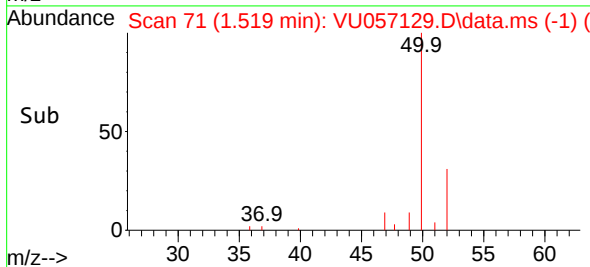
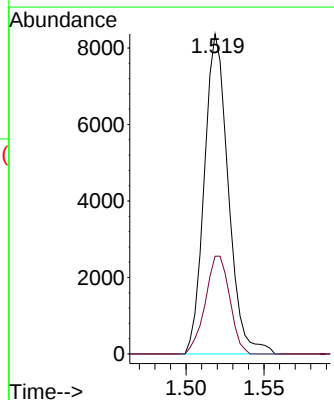
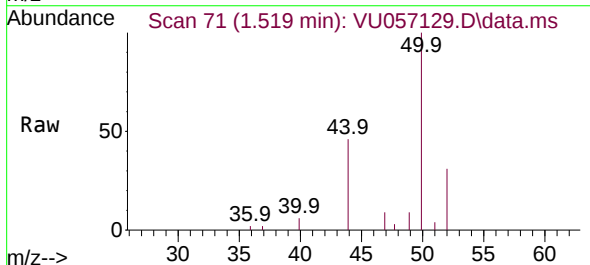
Instrument :
 MSVOA_U
 ClientSampleId :

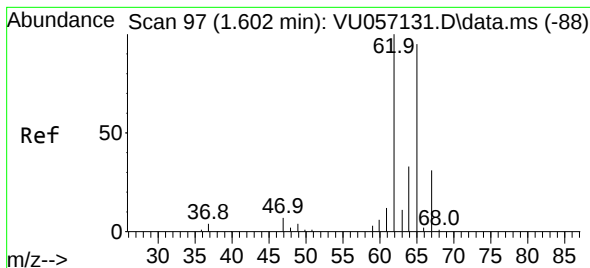
Tgt Ion: 85 Resp: 8218
 Ion Ratio Lower Upper
 85 100
 87 28.7 25.9 38.9



#3
 Chloromethane
 Concen: 0.562 ug/L
 RT: 1.519 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057129.D
 Acq: 21 Dec 2023 11:23

Tgt Ion: 50 Resp: 8951
 Ion Ratio Lower Upper
 50 100
 52 30.5 23.7 44.1





#5

Vinyl chloride

Concen: 0.456 ug/L

RT: 1.605 min Scan# 97

Delta R.T. 0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

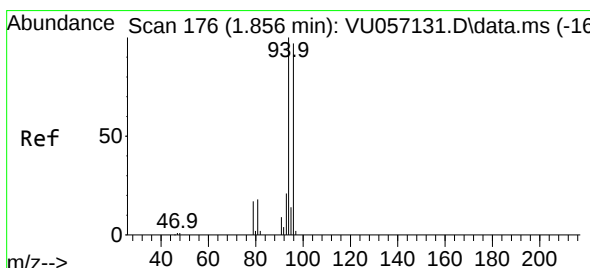
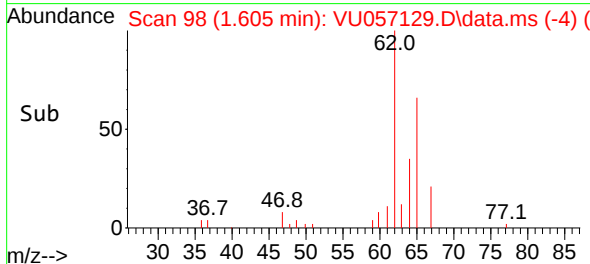
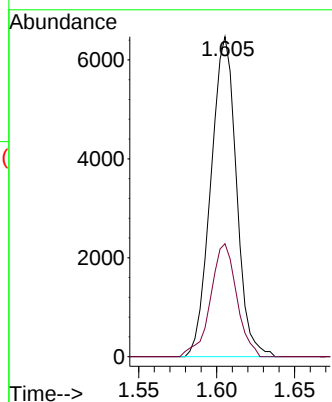
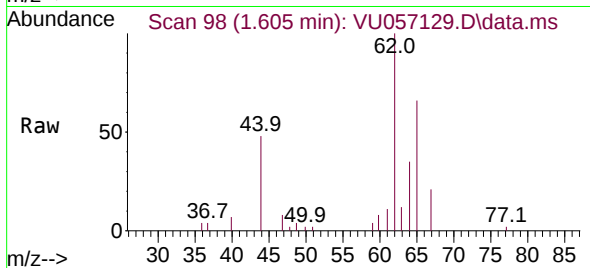
ClientSampleId :

Tgt Ion: 62 Resp: 7385

Ion Ratio Lower Upper

62 100

64 35.3 23.3 43.3



#6

Bromomethane

Concen: 0.400 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU057129.D

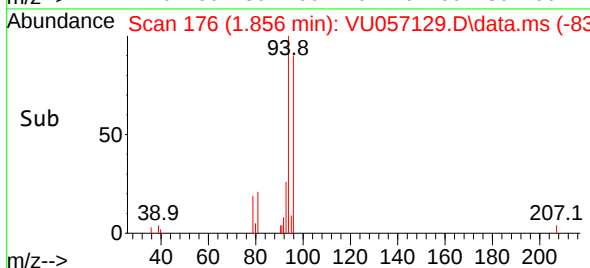
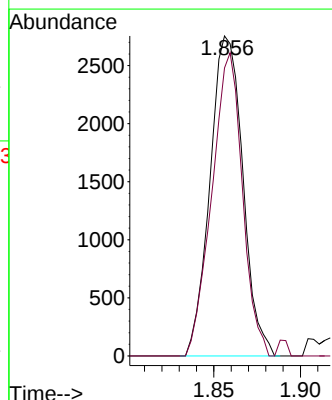
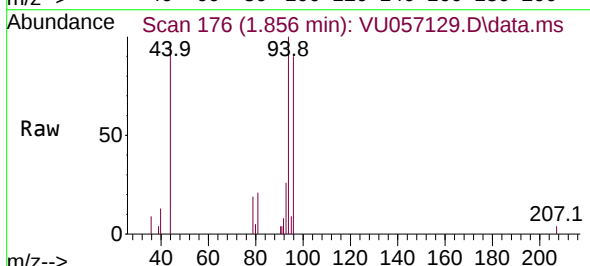
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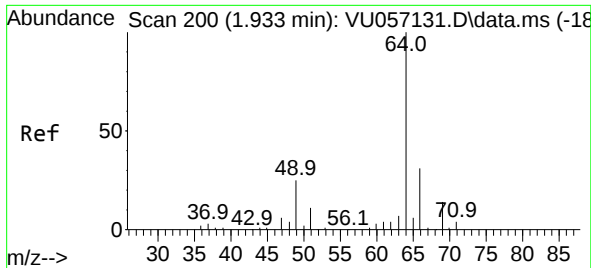
Tgt Ion: 94 Resp: 3627

Ion Ratio Lower Upper

94 100

96 90.0 68.2 126.6

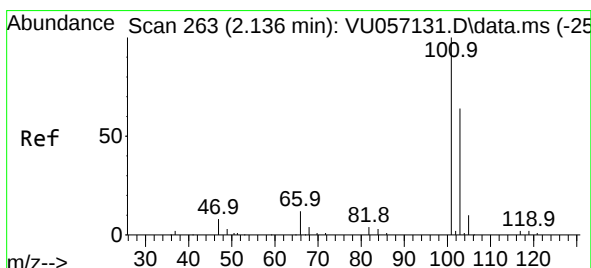
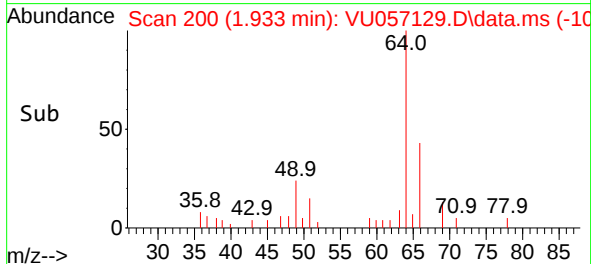
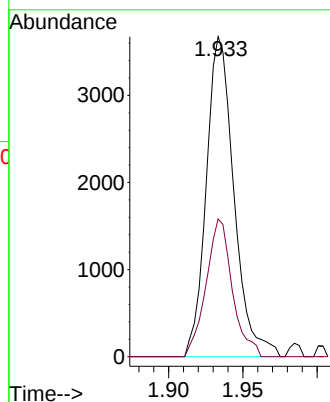
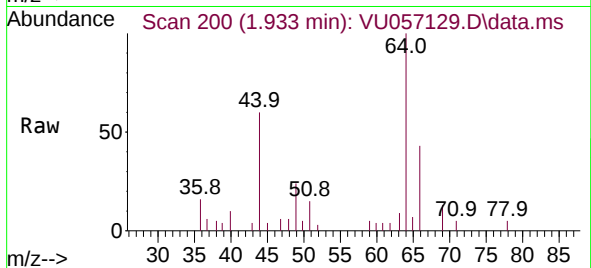




#8
Chloroethane
Concen: 0.498 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

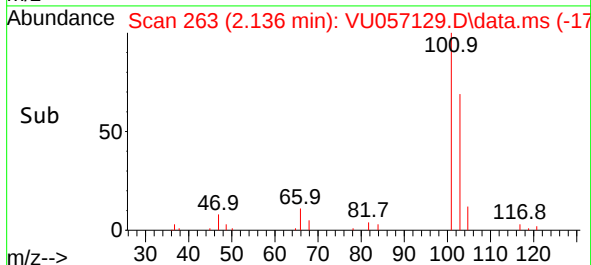
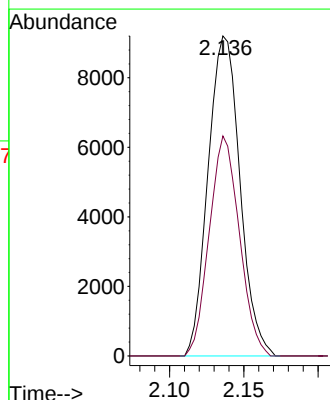
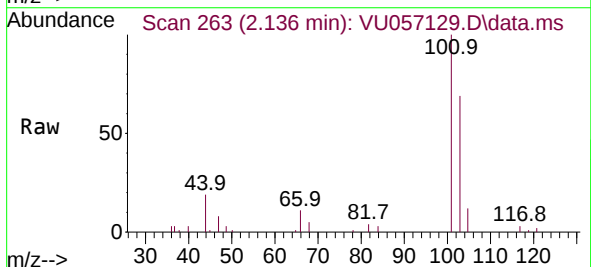
Instrument :
MSVOA_U
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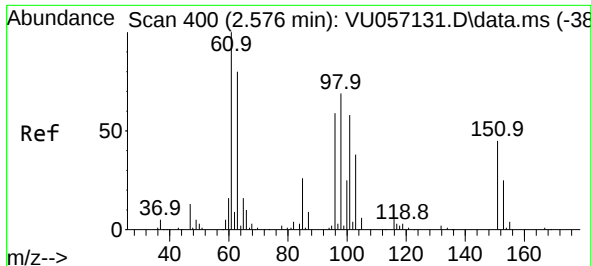
Tgt Ion: 64 Resp: 4770
Ion Ratio Lower Upper
64 100
66 43.0 21.6 40.2#



#9
Trichlorofluoromethane
Concen: 0.572 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion:101 Resp: 13744
Ion Ratio Lower Upper
101 100
103 64.9 52.1 78.1

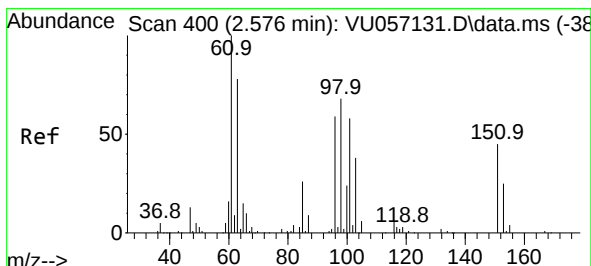
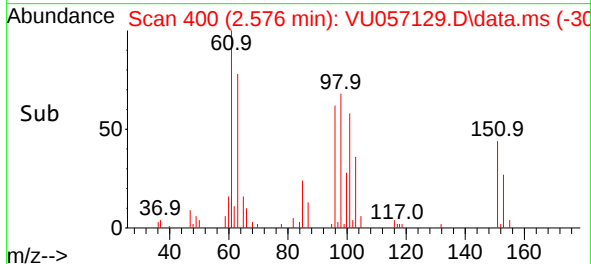
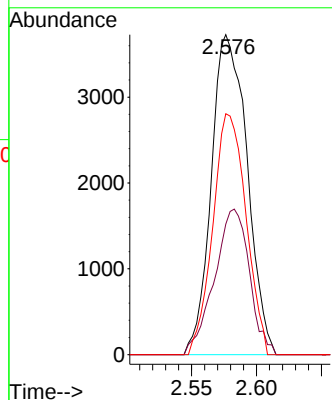
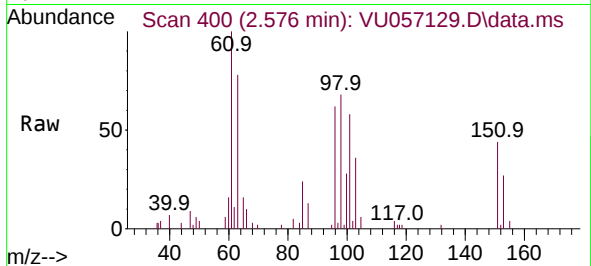




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.502 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

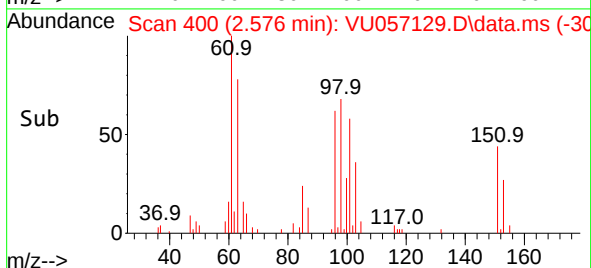
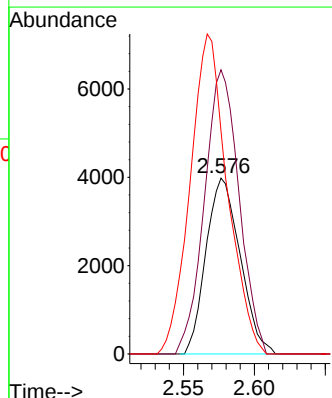
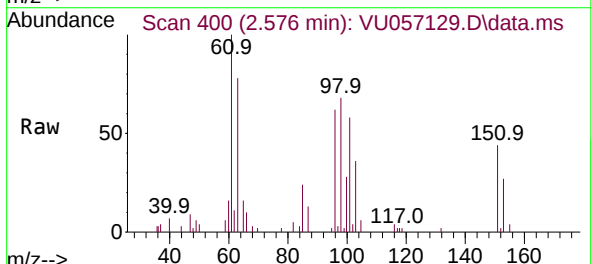
Instrument :
MSVOA_U
ClientSampleId :

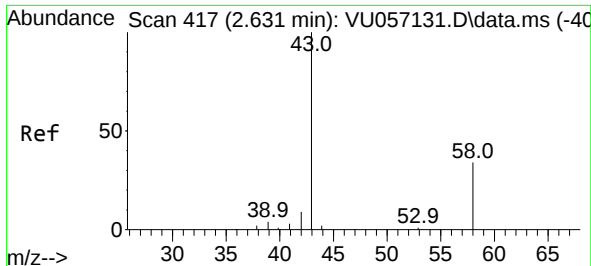
Tgt Ion:101 Resp: 7135
Ion Ratio Lower Upper
101 100
85 44.6 35.6 53.4
151 69.8 59.9 89.9



#12
1,1-Dichloroethene
Concen: 0.514 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion: 96 Resp: 6665
Ion Ratio Lower Upper
96 100
61 161.6 119.6 222.0
63 126.8 96.2 178.8





#13

Acetone

Concen: 4.847 ug/L

RT: 2.634 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

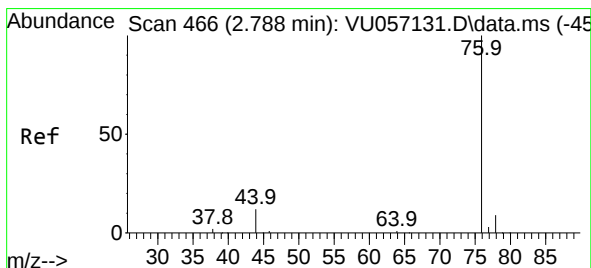
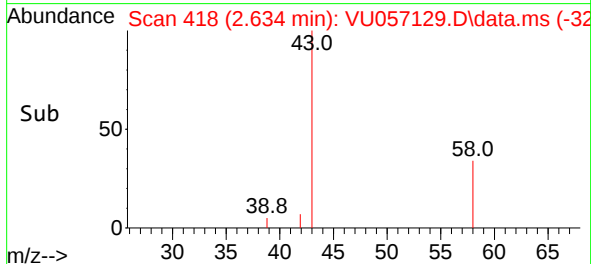
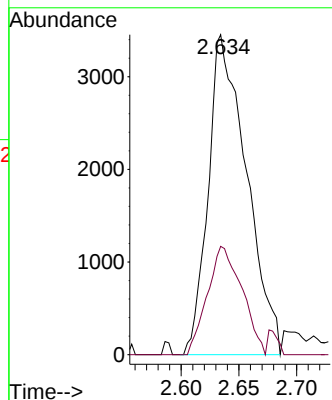
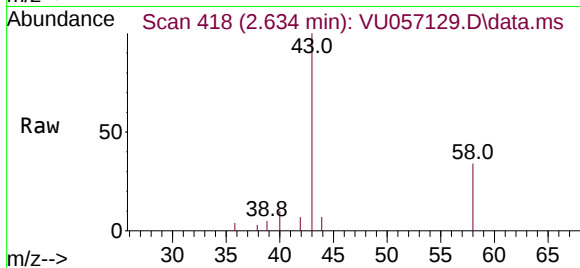
ClientSampleId :

Tgt Ion: 43 Resp: 7947

Ion Ratio Lower Upper

43 100

58 30.6 0.0 70.8



#14

Carbon disulfide

Concen: 0.563 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU057129.D

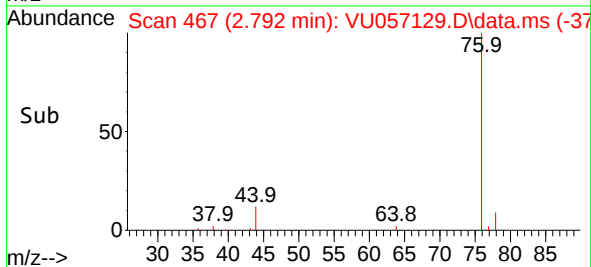
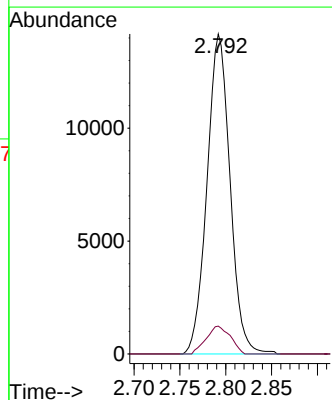
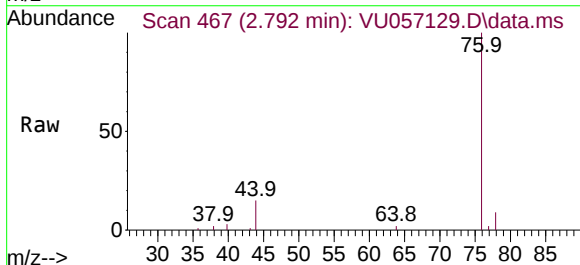
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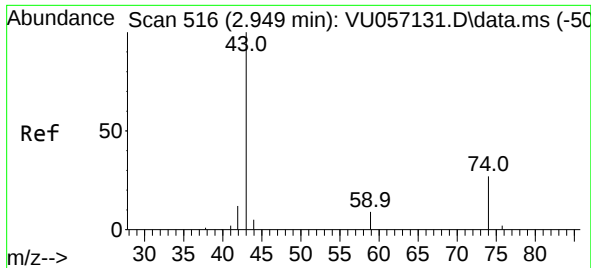
Tgt Ion: 76 Resp: 24741

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

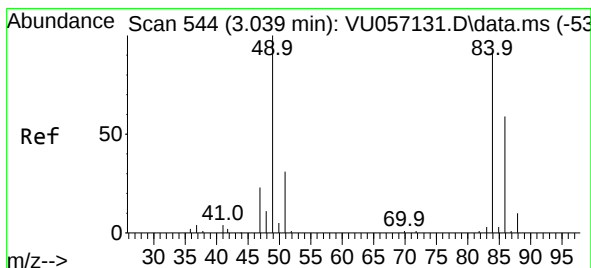
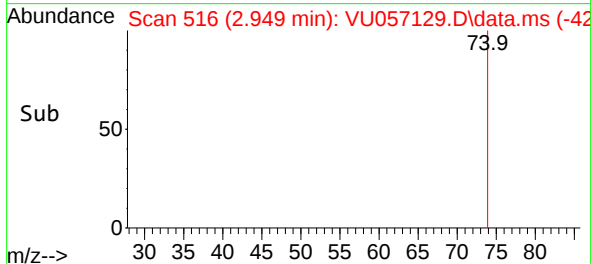
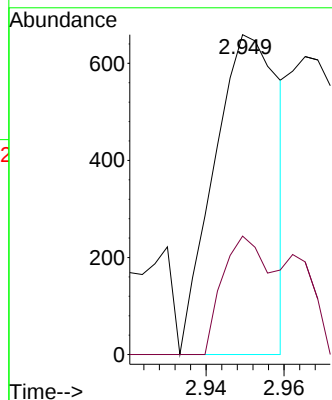
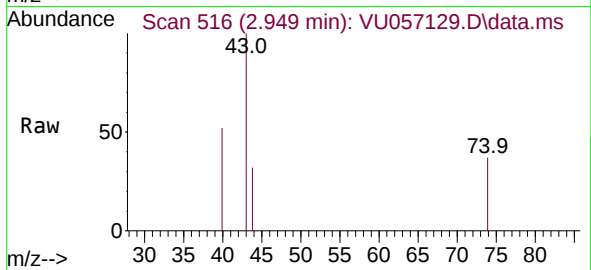




#15
Methyl Acetate
Concen: 0.173 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

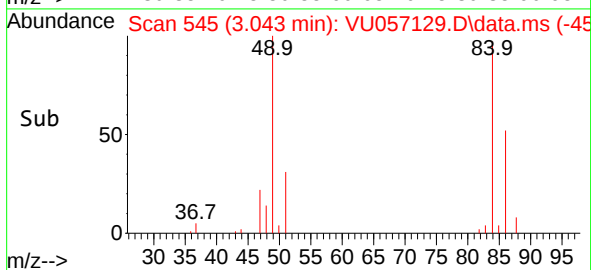
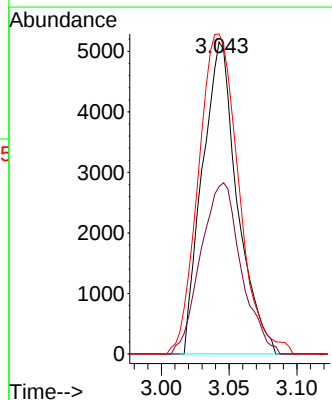
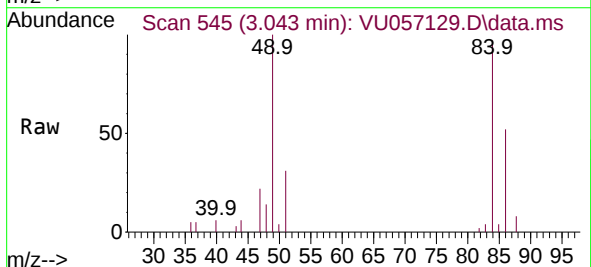
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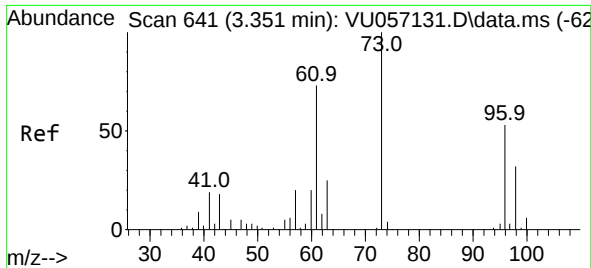
Tgt Ion: 43 Resp: 754
Ion Ratio Lower Upper
43 100
74 29.2 22.8 34.2



#16
Methylene chloride
Concen: 0.653 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion: 84 Resp: 9230
Ion Ratio Lower Upper
84 100
86 53.7 44.7 82.9
49 102.6 76.0 141.2

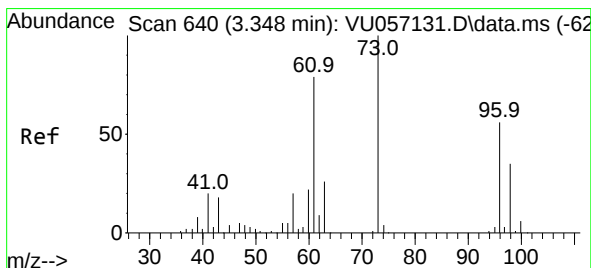
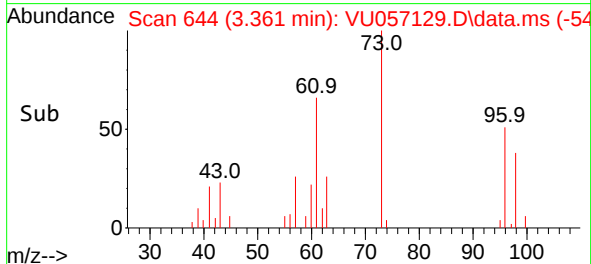
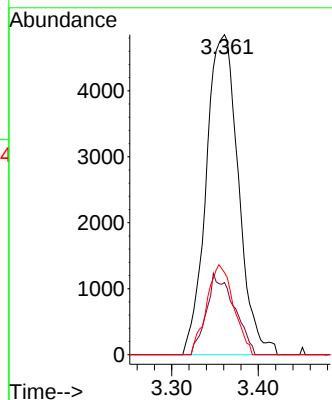
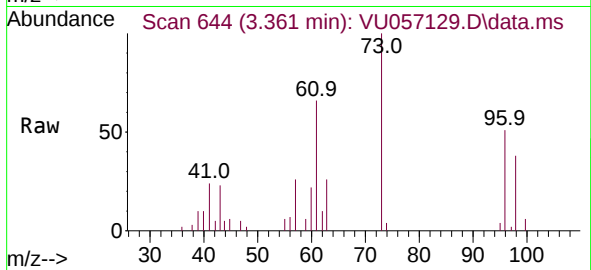




#17
Methyl tert-butyl Ether
Concen: 0.438 ug/L
RT: 3.361 min Scan# 641
Delta R.T. 0.010 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

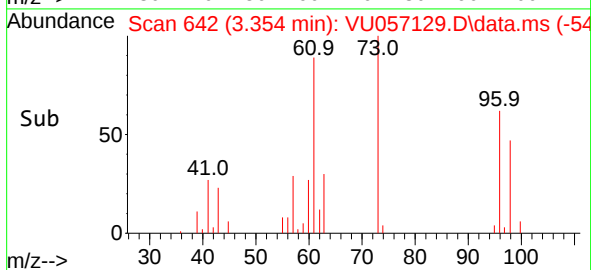
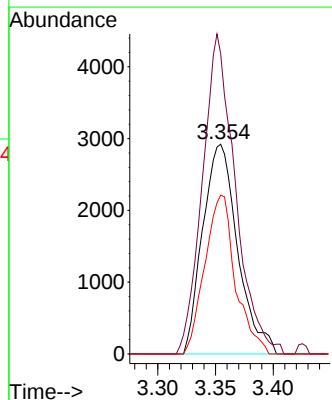
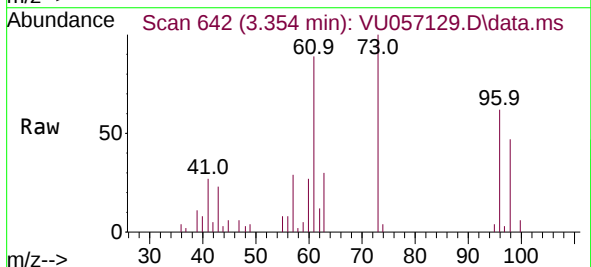
Instrument :
MSVOA_U
ClientSampleId :

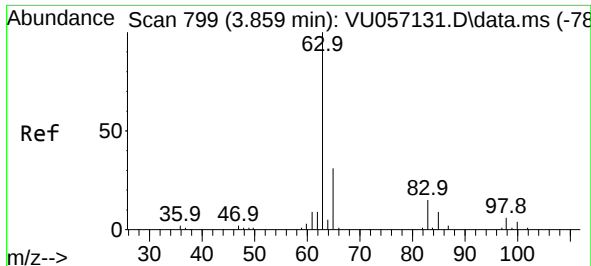
Tgt Ion: 73 Resp: 12540
Ion Ratio Lower Upper
73 100
43 21.9 15.4 23.0
57 23.5 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 0.468 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.007 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion: 96 Resp: 6146
Ion Ratio Lower Upper
96 100
61 143.1 98.4 182.8
98 75.8 43.6 81.0





#19

1,1-Dichloroethane

Concen: 0.494 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.007 min

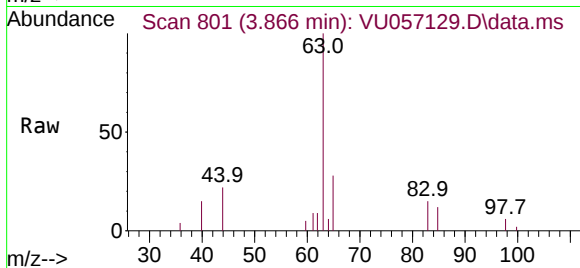
Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :



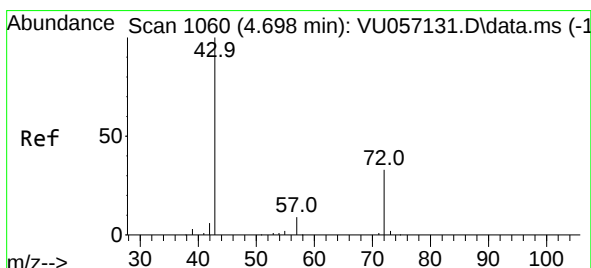
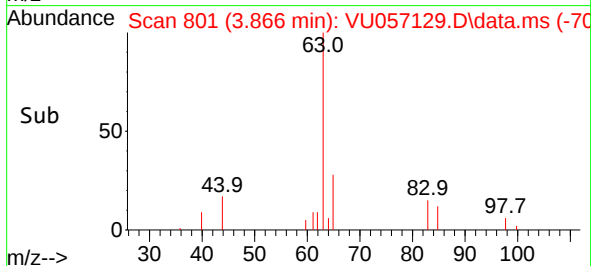
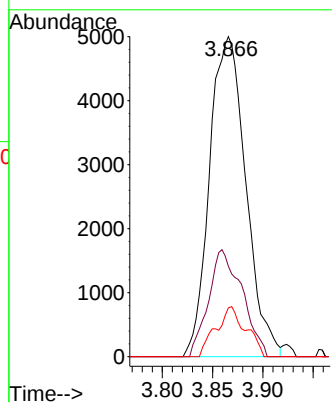
Tgt Ion: 63 Resp: 12525

Ion Ratio Lower Upper

63 100

65 28.2 21.6 40.2

83 15.3 10.2 19.0



#21

2-Butanone

Concen: 2.993 ug/L

RT: 4.724 min Scan# 1068

Delta R.T. 0.026 min

Lab File: VU057129.D

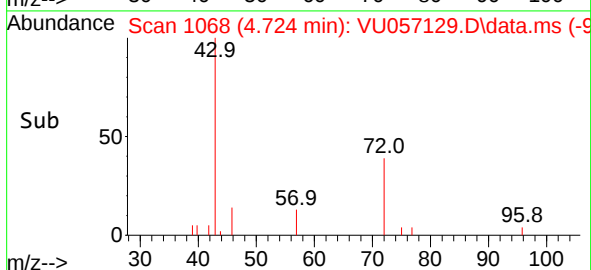
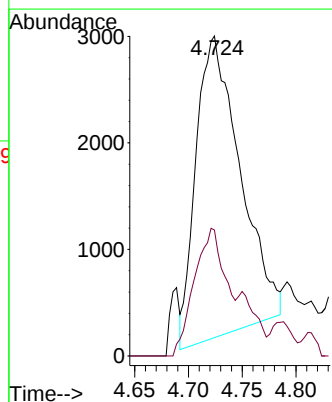
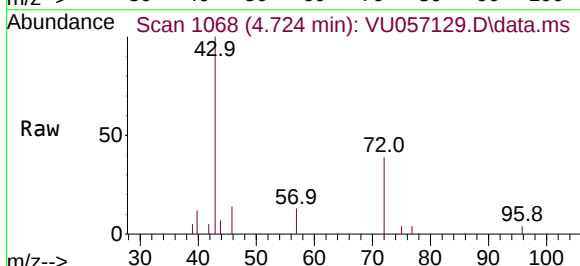
Acq: 21 Dec 2023 11:23

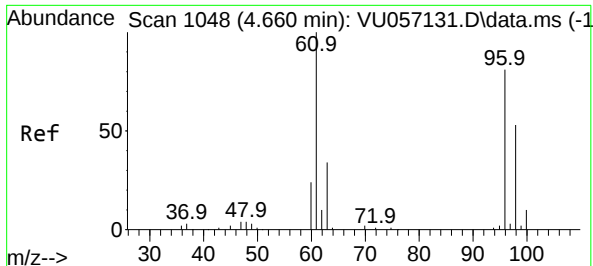
Tgt Ion: 43 Resp: 8089

Ion Ratio Lower Upper

43 100

72 30.4 16.3 48.8





#22

cis-1,2-Dichloroethene

Concen: 0.438 ug/L

RT: 4.670 min Scan# 1051

Delta R.T. 0.010 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

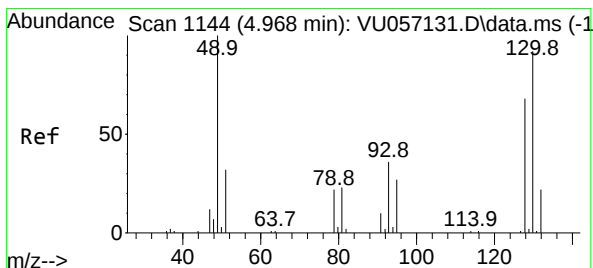
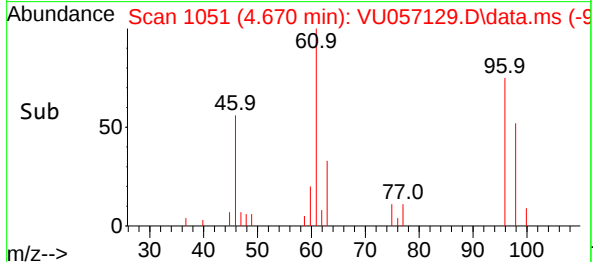
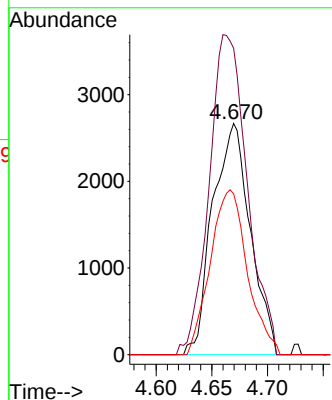
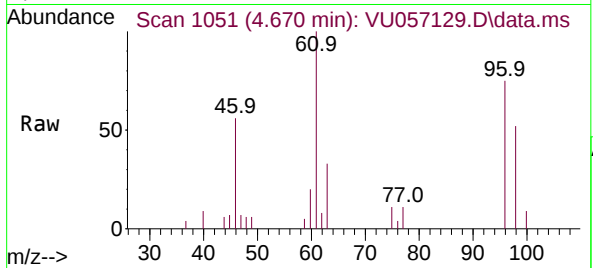
Tgt Ion: 96 Resp: 6283

Ion Ratio Lower Upper

96 100

61 132.5 86.8 161.2

98 69.6 45.5 84.5



#23

Bromochloromethane

Concen: 0.243 ug/L

RT: 4.969 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Tgt Ion: 128 Resp: 1448

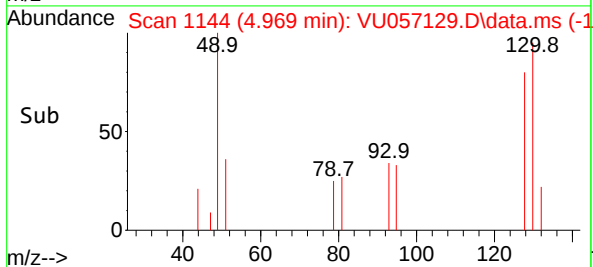
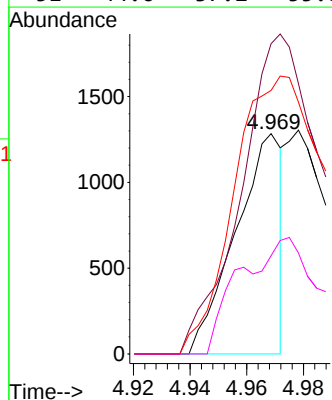
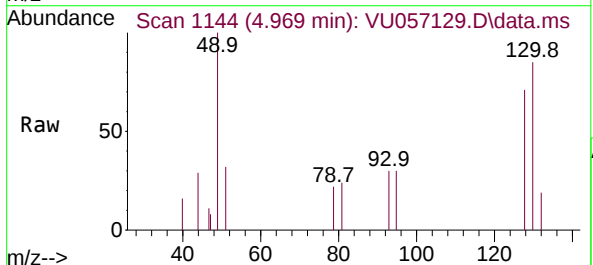
Ion Ratio Lower Upper

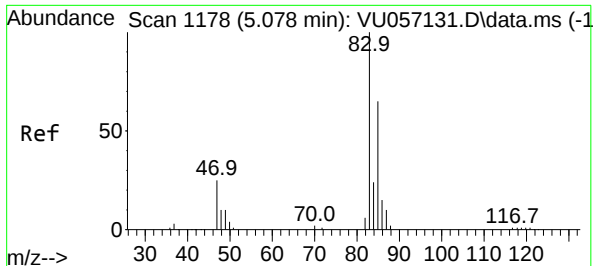
128 100

49 140.8 102.7 190.7

130 119.6 94.7 175.9

51 44.6 37.2 55.8





#25

Chloroform

Concen: 0.527 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

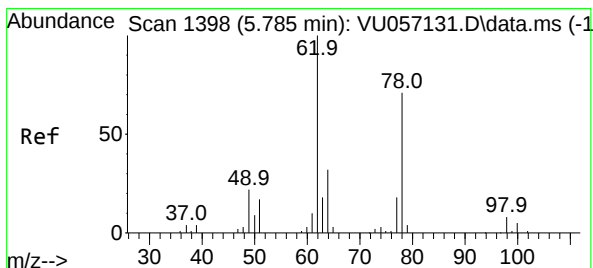
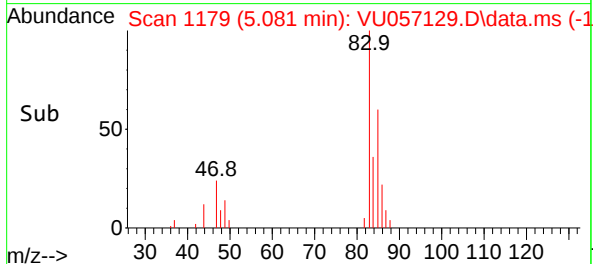
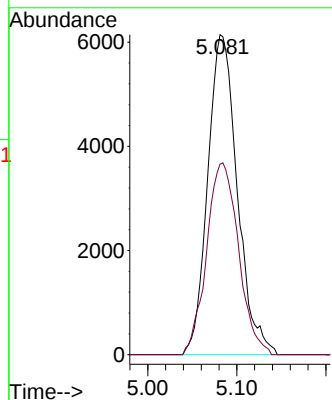
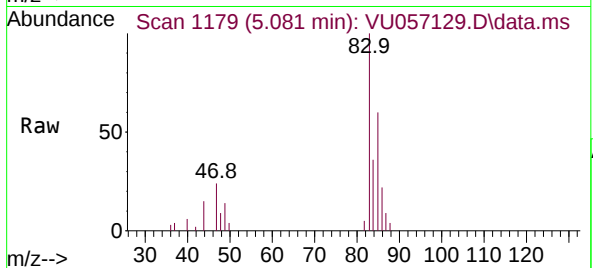
ClientSampleId :

Tgt Ion: 83 Resp: 14175

Ion Ratio Lower Upper

83 100

85 59.6 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.536 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.007 min

Lab File: VU057129.D

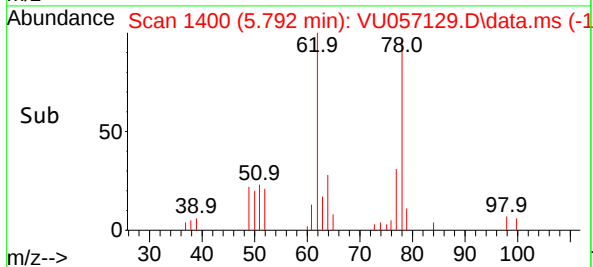
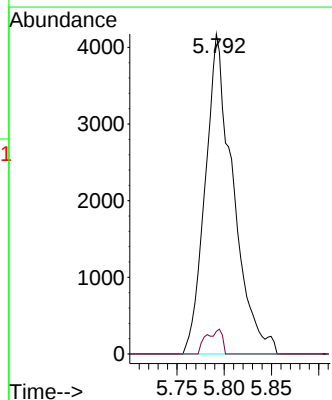
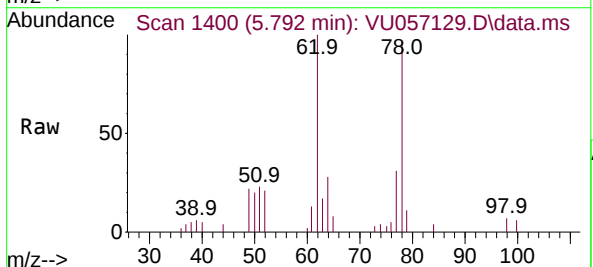
Acq: 21 Dec 2023 11:23

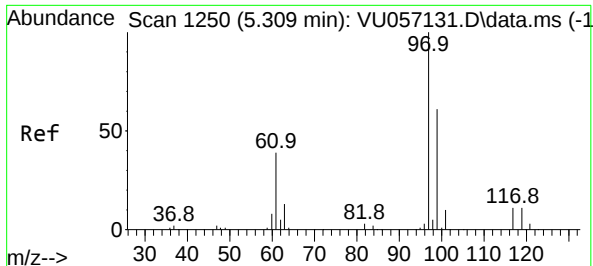
Tgt Ion: 62 Resp: 8563

Ion Ratio Lower Upper

62 100

98 7.1 6.3 9.5

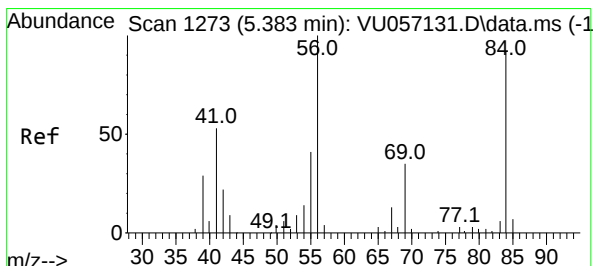
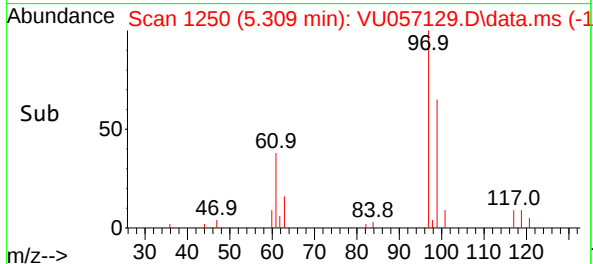
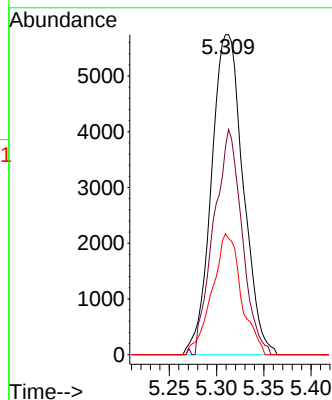
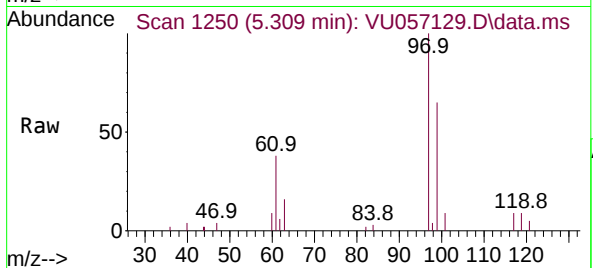




#29
1,1,1-Trichloroethane
Concen: 0.570 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

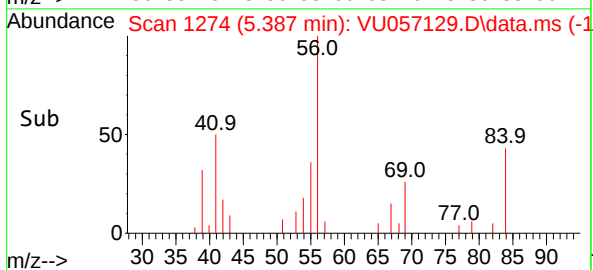
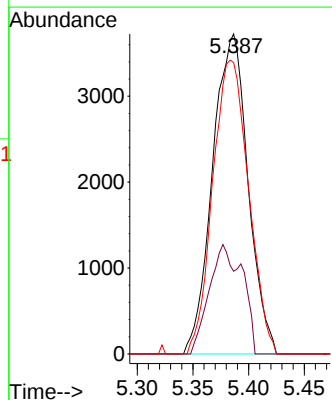
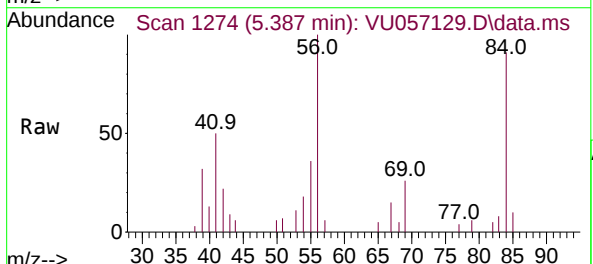
Instrument :
MSVOA_U
ClientSampleId :

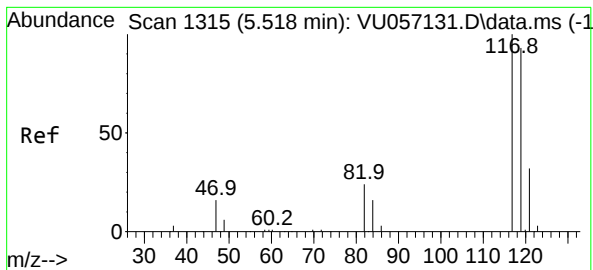
Tgt Ion: 97	Resp: 13412
Ion Ratio	Lower Upper
97 100	
99 63.0	51.2 76.8
61 34.7	32.5 48.7



#30
Cyclohexane
Concen: 0.398 ug/L
RT: 5.387 min Scan# 1274
Delta R.T. 0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion: 56	Resp: 8245
Ion Ratio	Lower Upper
56 100	
69 22.3	26.7 40.1#
84 92.6	74.9 112.3

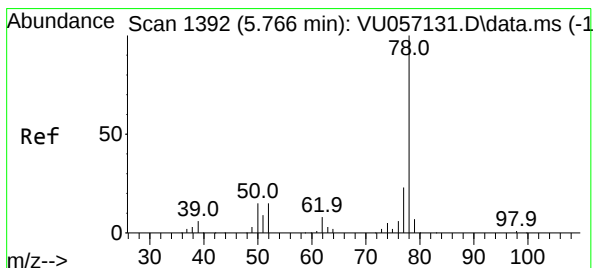
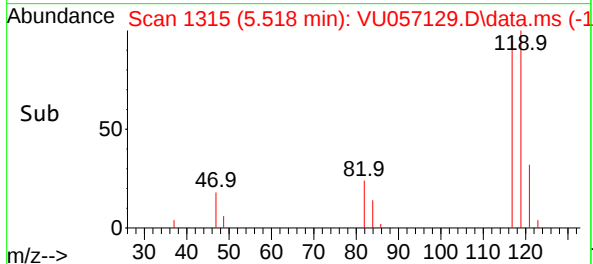
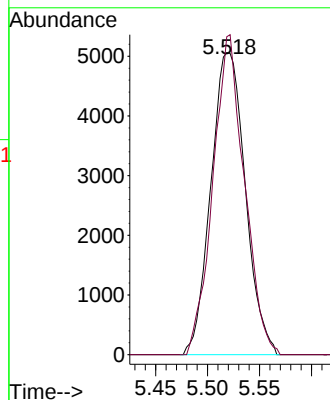
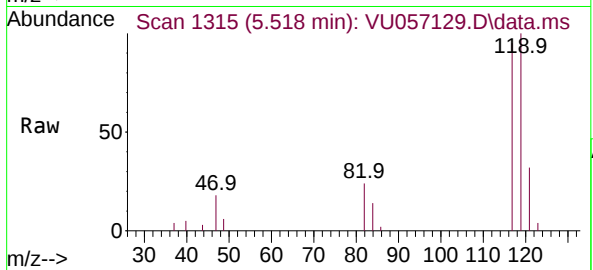




#31
Carbon tetrachloride
Concen: 0.569 ug/L
RT: 5.518 min Scan# 11673
Delta R.T. 0.000 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

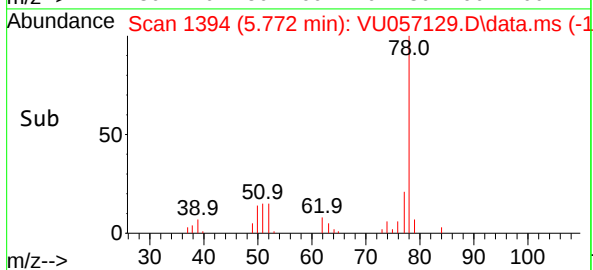
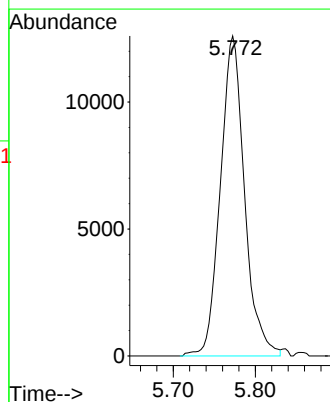
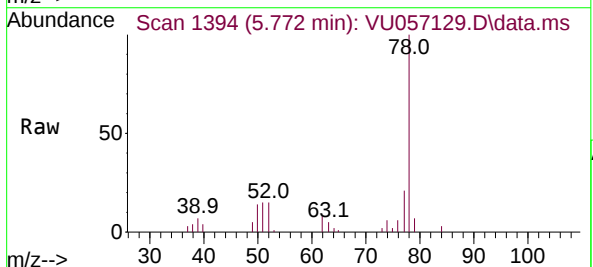
Instrument :
MSVOA_U
ClientSampleId :

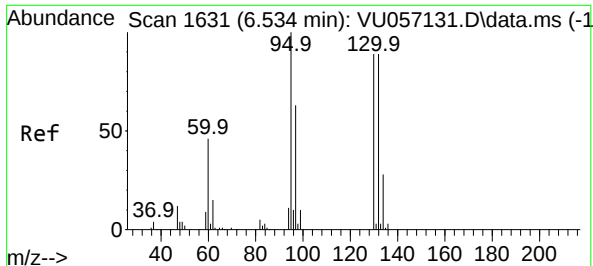
Tgt Ion:117 Resp: 11673
Ion Ratio Lower Upper
117 100
119 96.7 75.1 112.7



#33
Benzene
Concen: 0.471 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.007 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion: 78 Resp: 25854





#34

Trichloroethene

Concen: 0.527 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

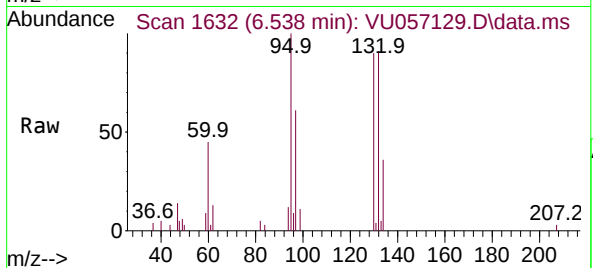
Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 8003

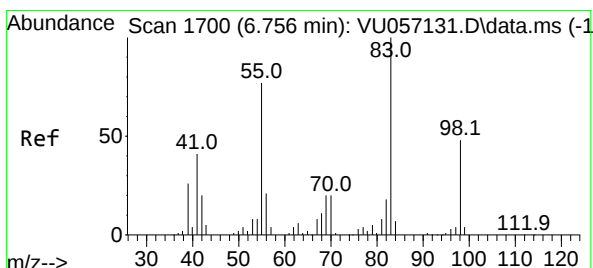
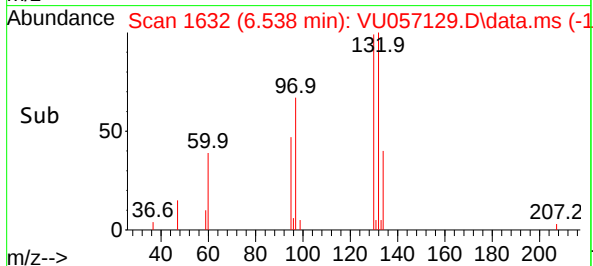
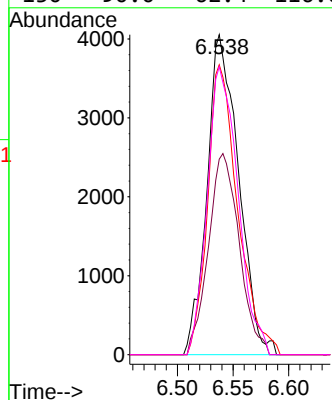
Ion Ratio Lower Upper

95 100

97 61.1 44.3 82.3

132 90.6 62.6 116.2

130 90.0 62.4 116.0



#35

Methylcyclohexane

Concen: 0.401 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

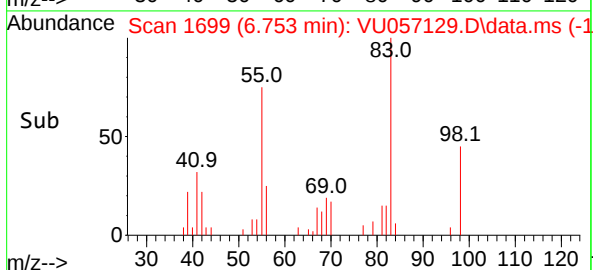
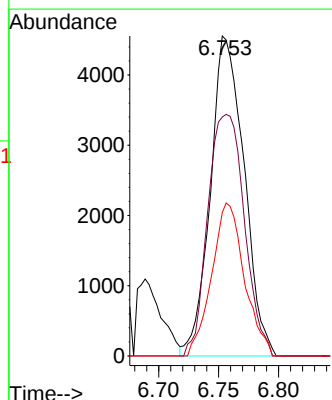
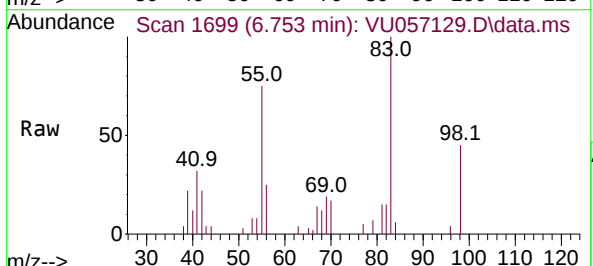
Tgt Ion: 83 Resp: 8895

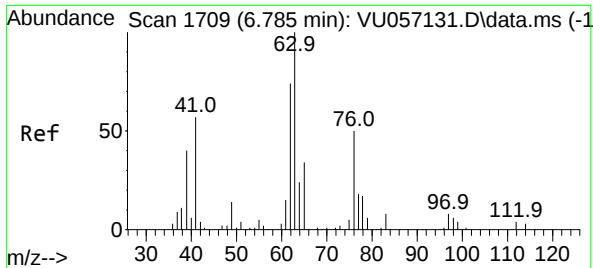
Ion Ratio Lower Upper

83 100

55 82.0 61.3 91.9

98 46.3 36.6 55.0





#37

1,2-Dichloropropane

Concen: 0.452 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

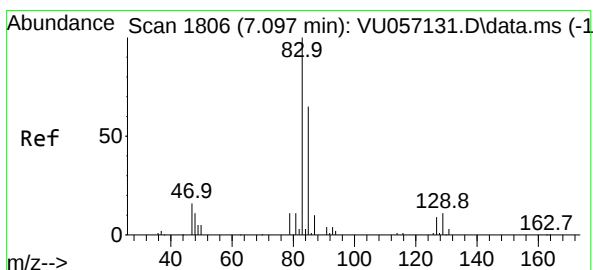
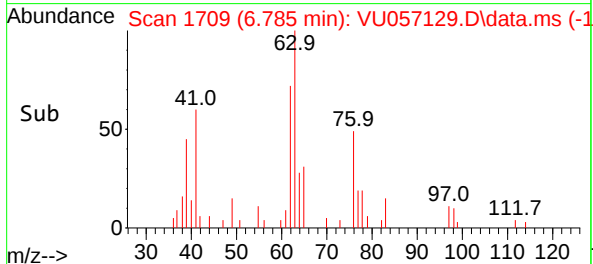
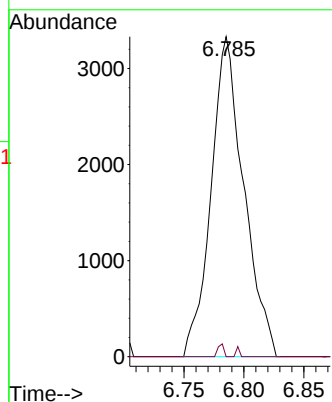
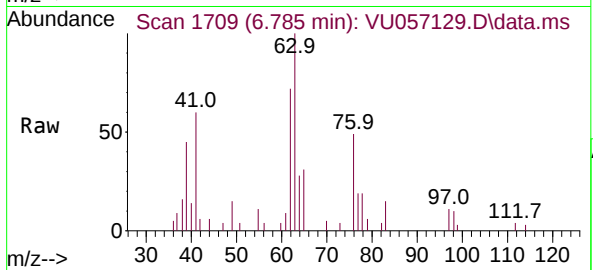
ClientSampleId :

Tgt Ion: 63 Resp: 6311

Ion Ratio Lower Upper

63 100

112 0.7 3.1 4.7#



#38

Bromodichloromethane

Concen: 0.516 ug/L

RT: 7.104 min Scan# 1808

Delta R.T. 0.007 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

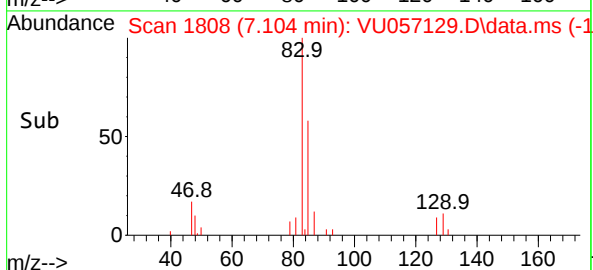
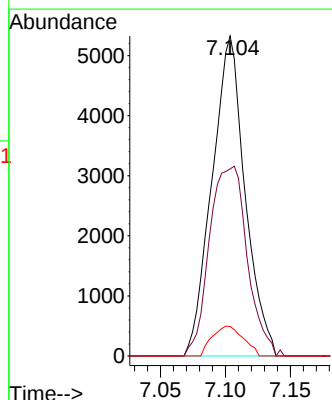
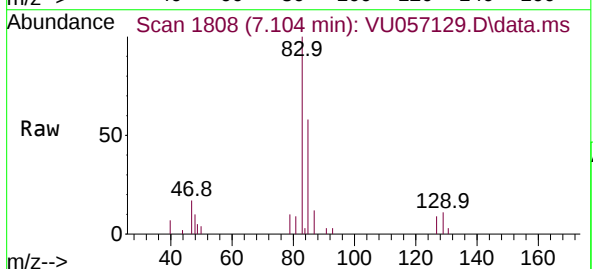
Tgt Ion: 83 Resp: 9419

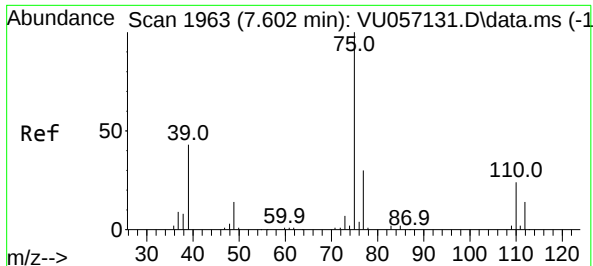
Ion Ratio Lower Upper

83 100

85 58.4 45.8 85.0

127 9.2 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 0.417 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

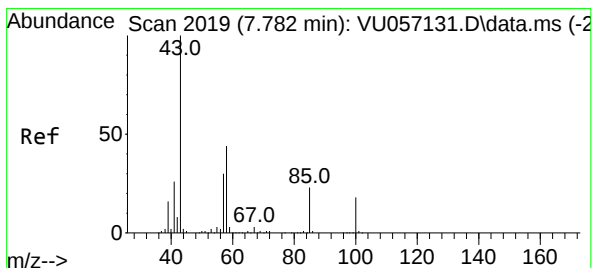
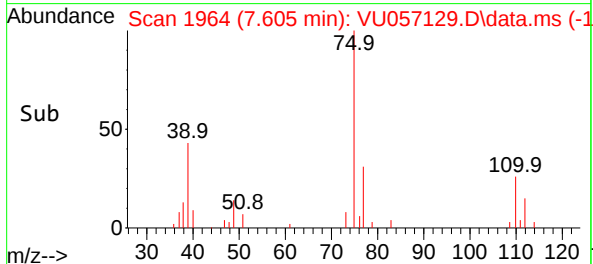
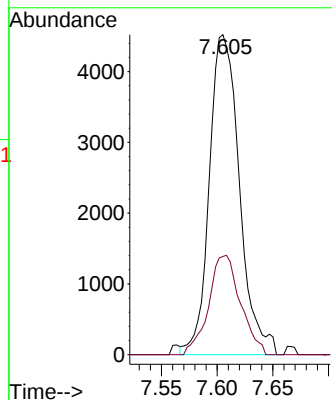
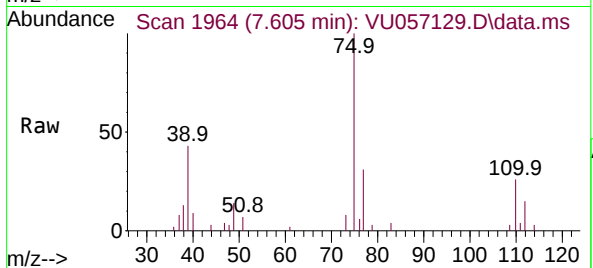
ClientSampleId :

Tgt Ion: 75 Resp: 8510

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 3.948 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.007 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

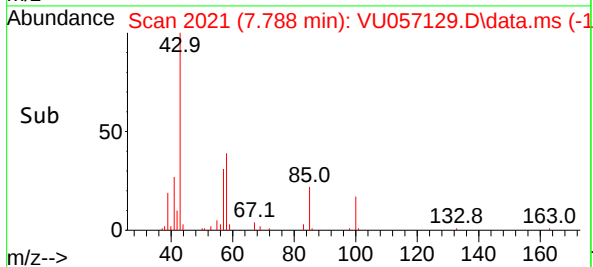
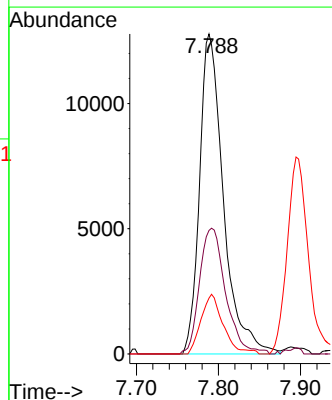
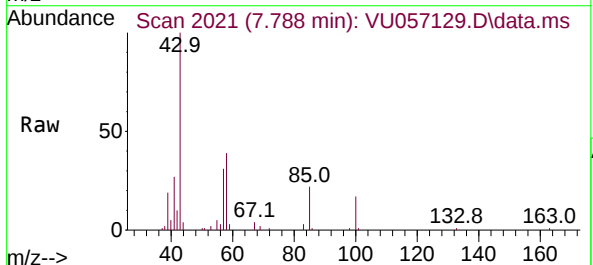
Tgt Ion: 43 Resp: 25872

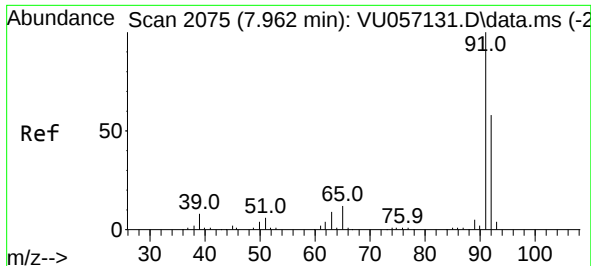
Ion Ratio Lower Upper

43 100

58 42.8 34.8 52.2

100 17.3 14.6 21.8





#42

Toluene

Concen: 0.454 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

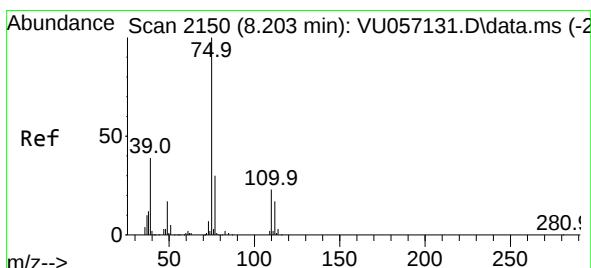
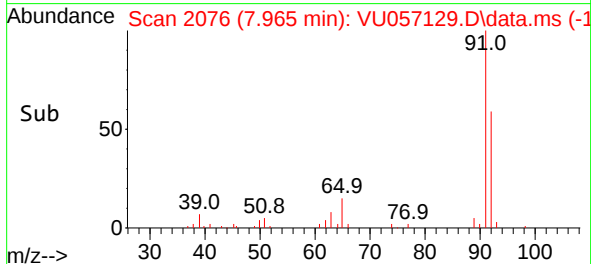
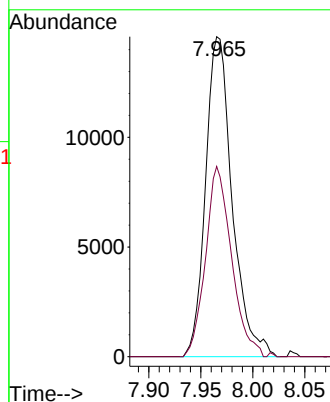
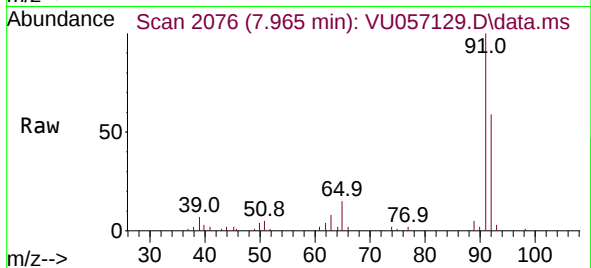
ClientSampleId :

Tgt Ion: 91 Resp: 25976

Ion Ratio Lower Upper

91 100

92 59.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.479 ug/L

RT: 8.210 min Scan# 2152

Delta R.T. 0.007 min

Lab File: VU057129.D

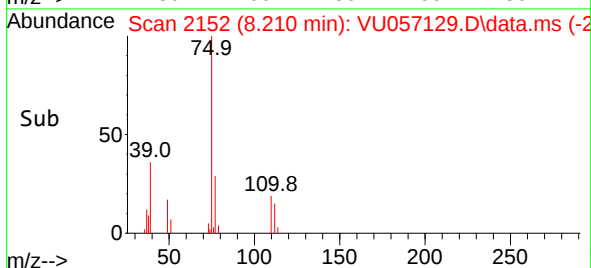
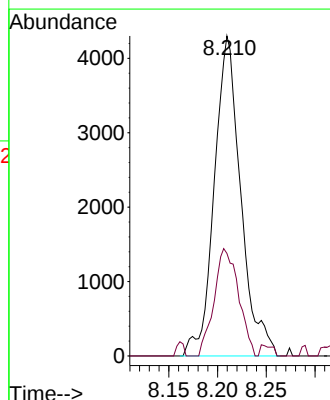
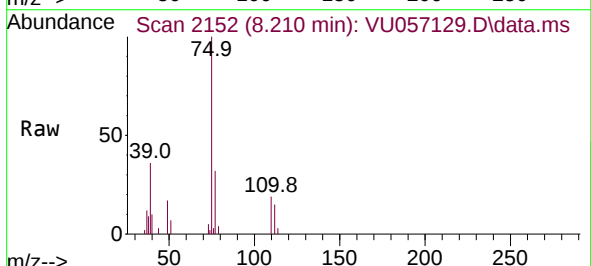
Acq: 21 Dec 2023 11:23

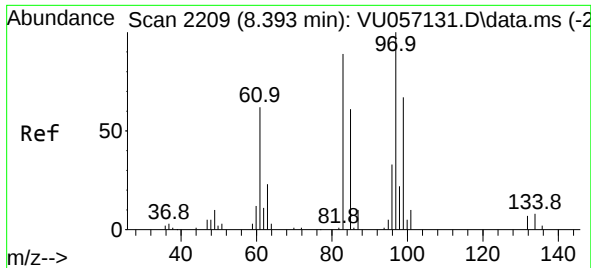
Tgt Ion: 75 Resp: 8114

Ion Ratio Lower Upper

75 100

77 32.0 21.4 39.8

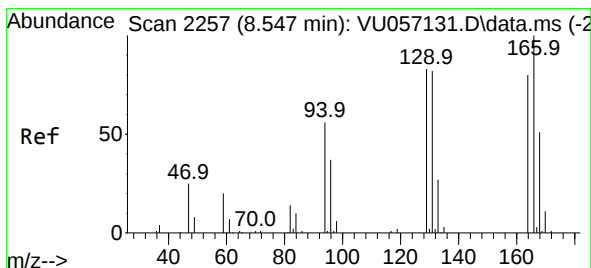
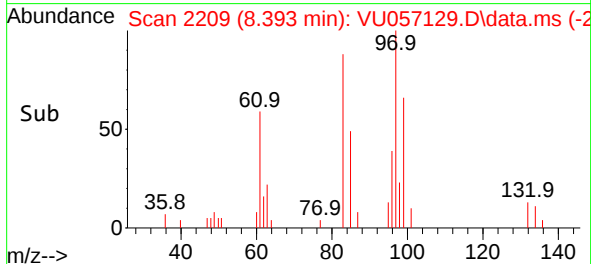
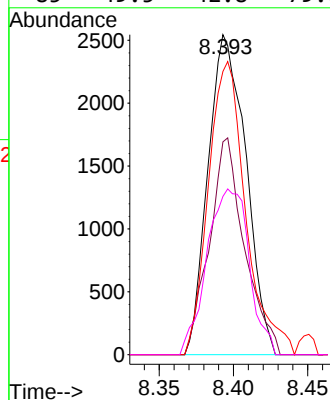
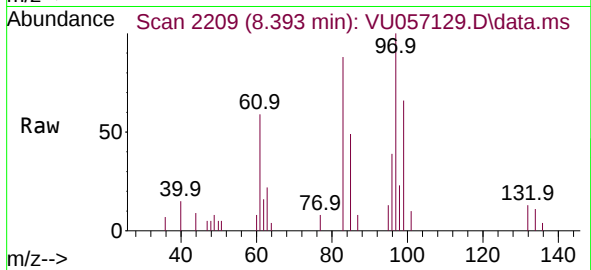




#45
1,1,2-Trichloroethane
Concen: 0.478 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

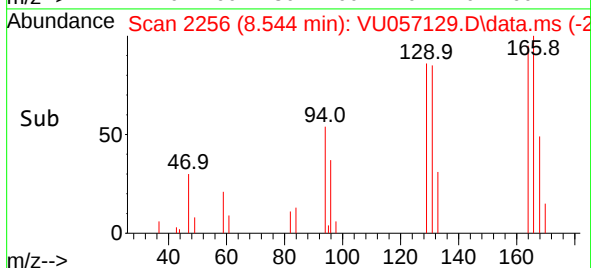
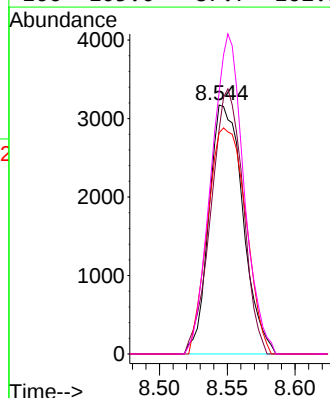
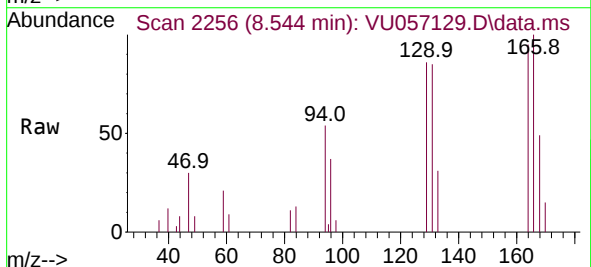
Instrument :
MSVOA_U
ClientSampleId :

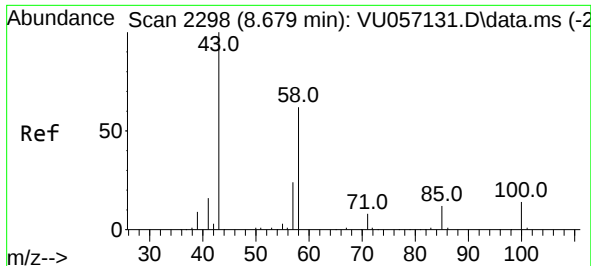
Tgt Ion:	97	Resp:	4511
Ion	Ratio	Lower	Upper
97	100		
99	66.5	47.0	87.2
83	88.5	62.1	115.3
85	49.5	42.8	79.6



#47
Tetrachloroethene
Concen: 0.516 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion:	164	Resp:	5527
Ion	Ratio	Lower	Upper
164	100		
129	90.0	72.9	135.3
131	88.8	71.7	133.3
166	105.0	87.7	162.9

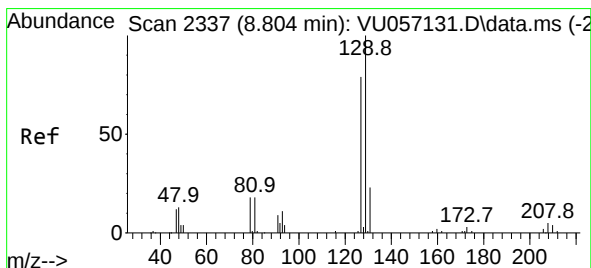
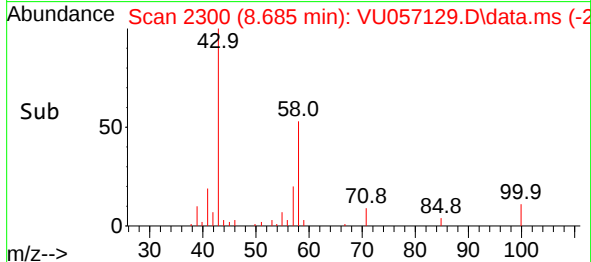
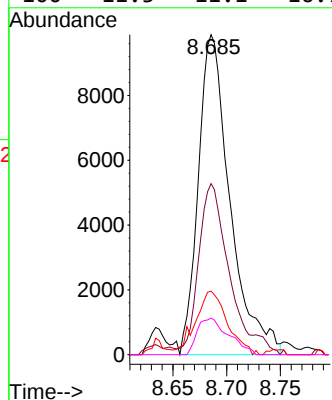
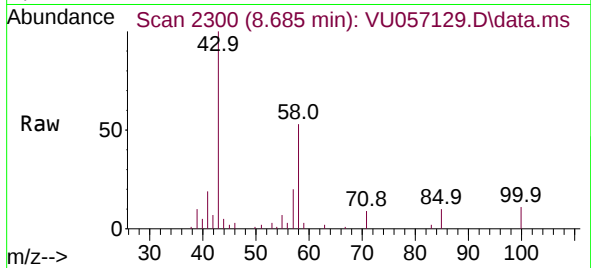




#48
2-Hexanone
Concen: 4.326 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

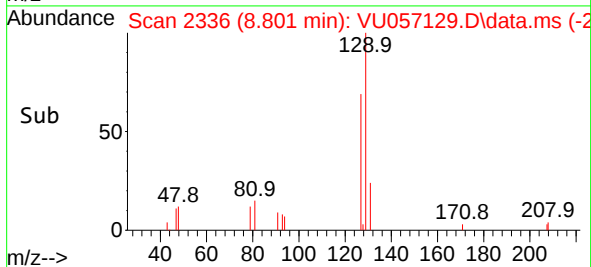
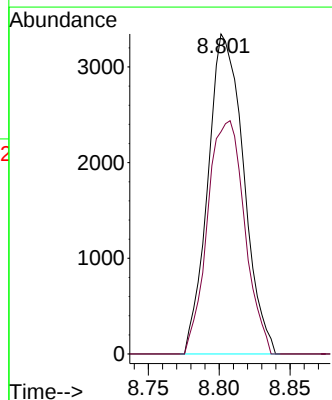
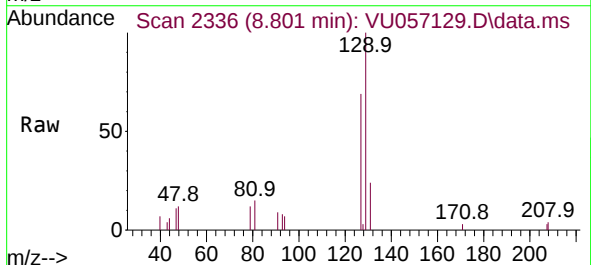
Instrument :
MSVOA_U
ClientSampleId :

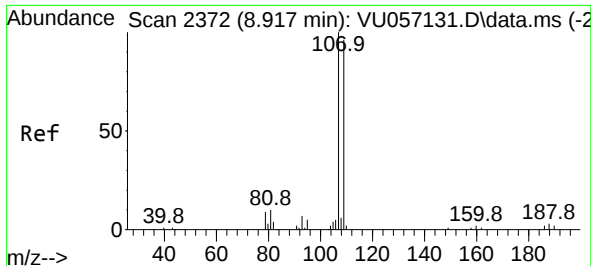
Tgt Ion: 43	Resp: 20283
Ion Ratio	Lower Upper
43 100	
58 51.9	49.8 74.8
57 20.0	18.5 27.7
100 11.3	11.1 16.7



#49
Dibromochloromethane
Concen: 0.528 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion:129	Resp:	5868	
Ion	Ratio	Lower	Upper
129	100		
127	69.4	55.2	102.6





#50

1,2-Dibromoethane

Concen: 0.442 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.003 min

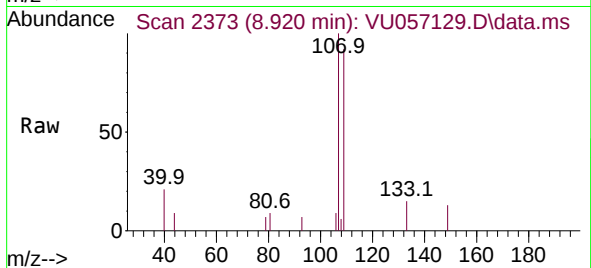
Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :



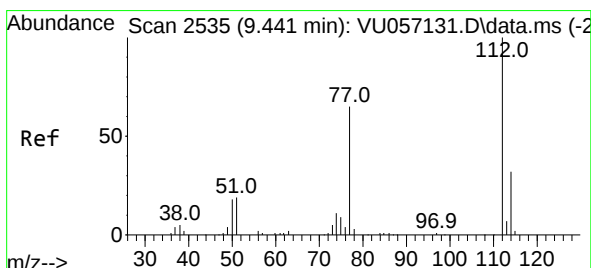
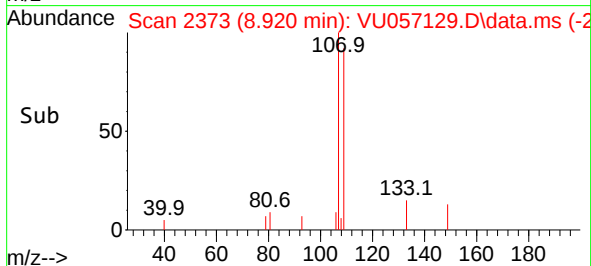
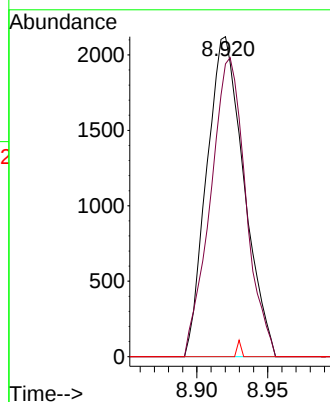
Tgt Ion:107 Resp: 3875

Ion Ratio Lower Upper

107 100

109 91.5 66.8 124.2

188 0.0 2.6 4.0#



#51

Chlorobenzene

Concen: 0.486 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

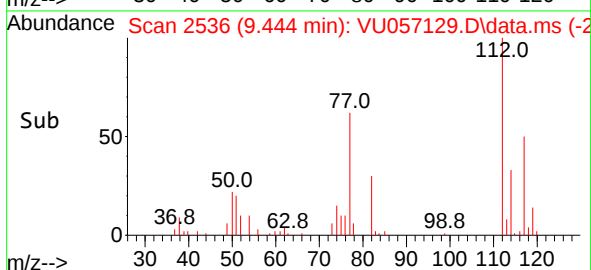
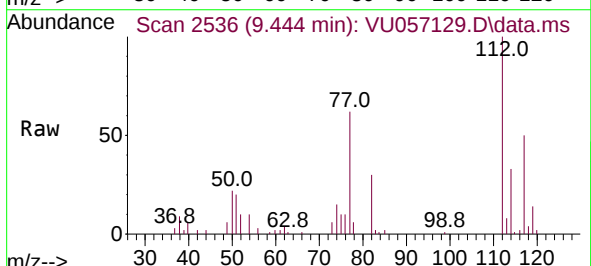
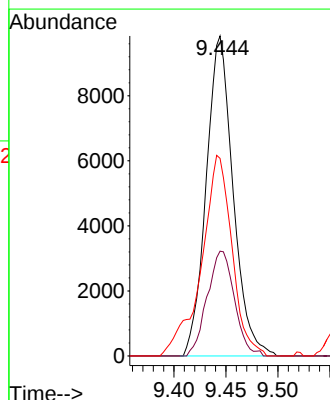
Tgt Ion:112 Resp: 17725

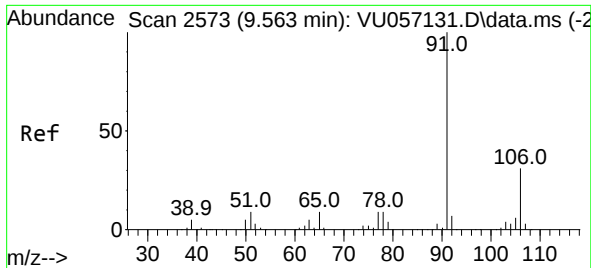
Ion Ratio Lower Upper

112 100

114 32.7 22.7 42.1

77 67.5 52.2 78.2

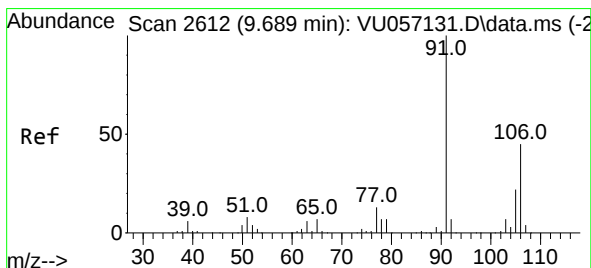
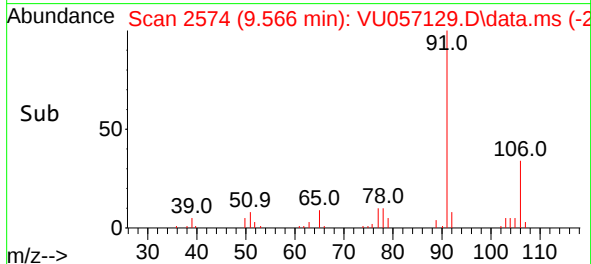
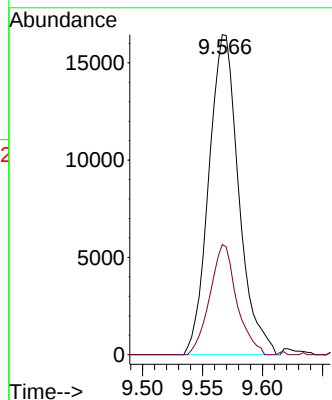
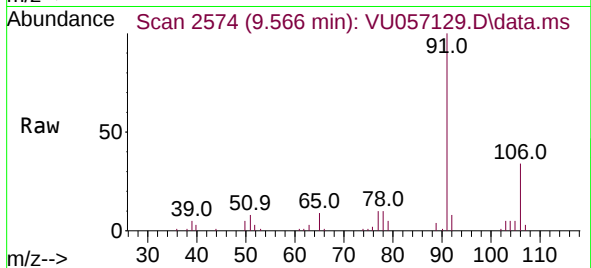




#52
Ethylbenzene
Concen: 0.452 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

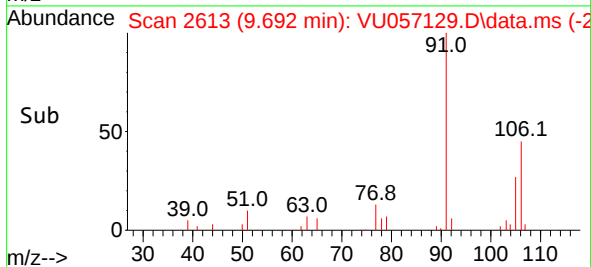
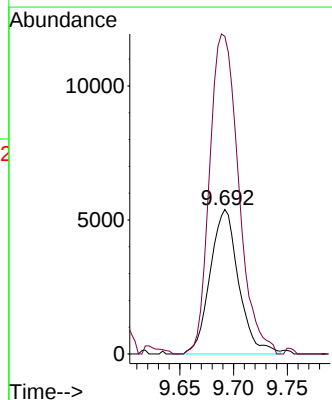
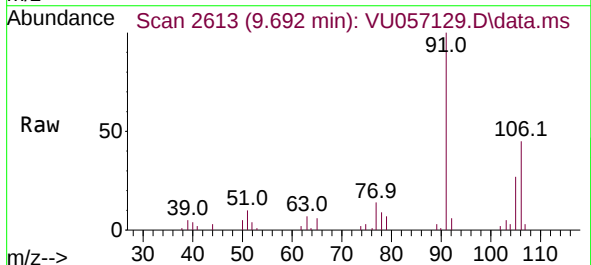
Instrument :
MSVOA_U
ClientSampleId :

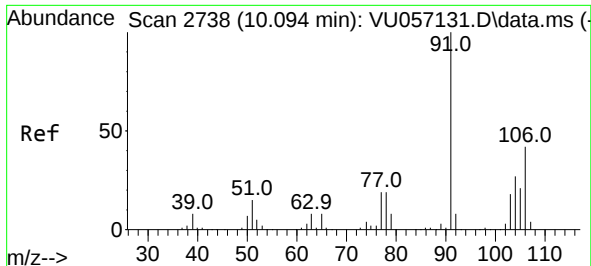
Tgt Ion: 91 Resp: 28505
Ion Ratio Lower Upper
91 100
106 34.4 21.6 40.2



#53
m,p-Xylene
Concen: 0.423 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion:106 Resp: 9967
Ion Ratio Lower Upper
106 100
91 219.8 154.5 286.9

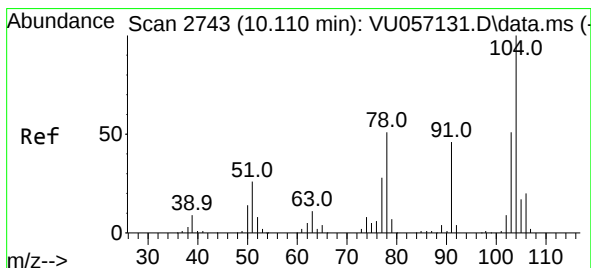
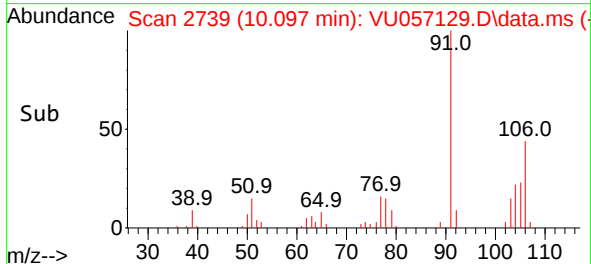
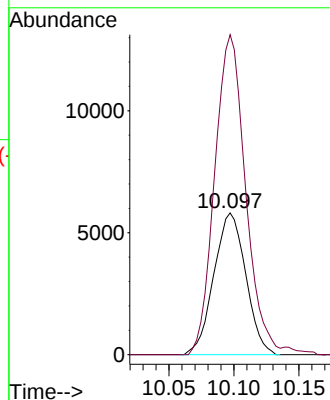
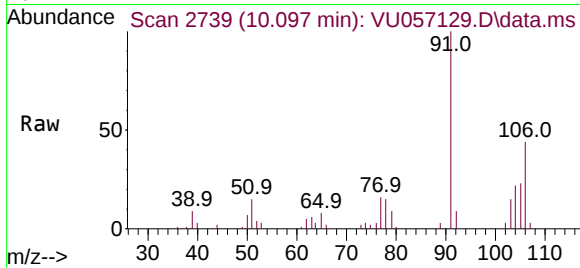




#54
o-Xylene
Concen: 0.443 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

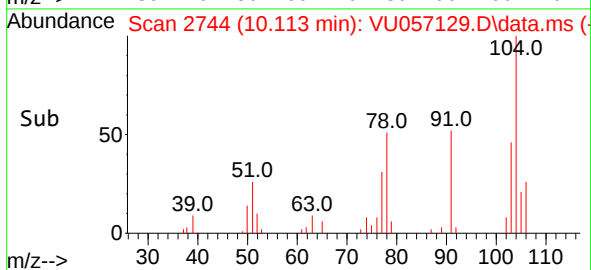
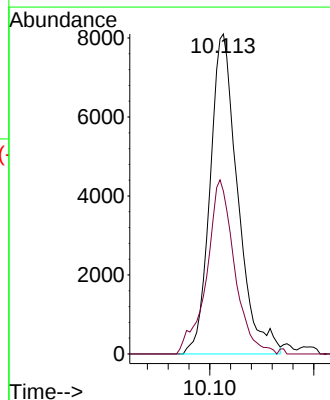
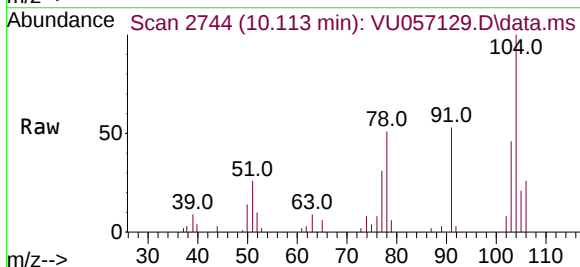
Instrument :
MSVOA_U
ClientSampleId :

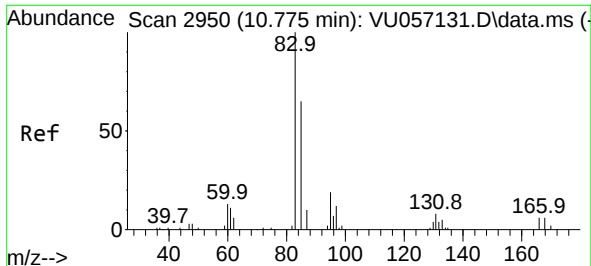
Tgt Ion:106 Resp: 9931
Ion Ratio Lower Upper
106 100
91 225.7 165.4 307.2



#55
Styrene
Concen: 0.406 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion:104 Resp: 14974
Ion Ratio Lower Upper
104 100
78 50.9 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 0.467 ug/L

RT: 10.772 min Scan# 2950

Delta R.T. -0.003 min

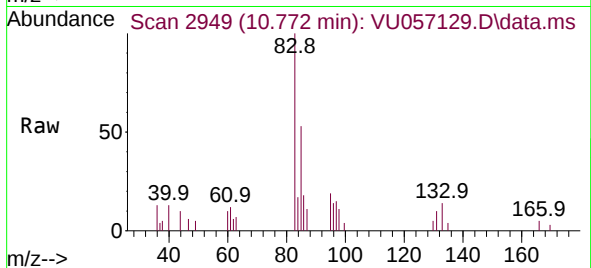
Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :



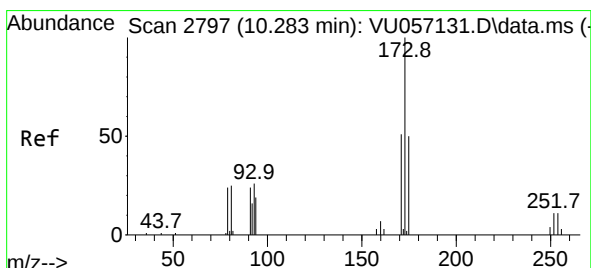
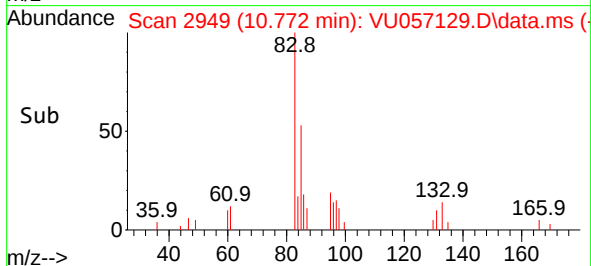
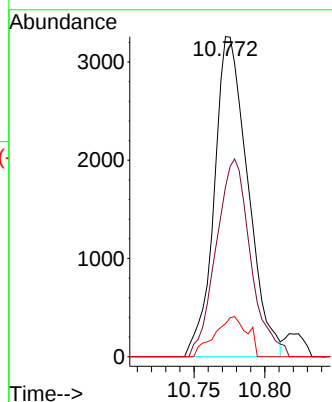
Tgt Ion: 83 Resp: 5374

Ion Ratio Lower Upper

83 100

85 53.0 45.8 85.2

131 10.3 7.0 10.6



#59

Bromoform

Concen: 0.504 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

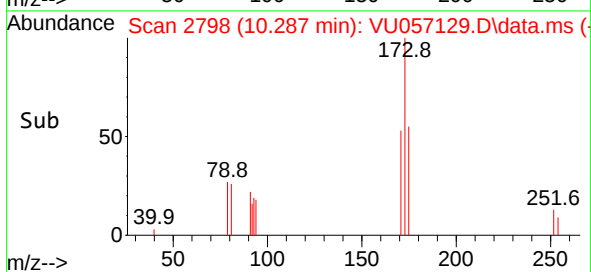
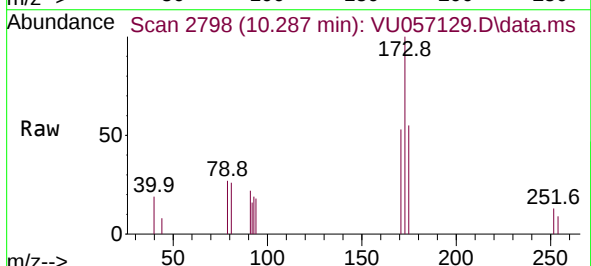
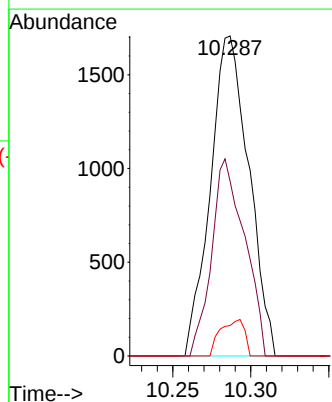
Tgt Ion:173 Resp: 2928

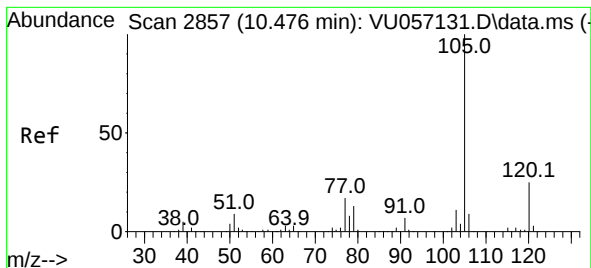
Ion Ratio Lower Upper

173 100

175 52.9 40.5 60.7

254 7.1 8.1 12.1#





#60

Isopropylbenzene

Concen: 0.455 ug/L

RT: 10.480 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU057129.D

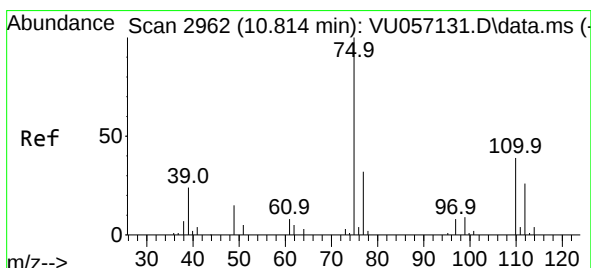
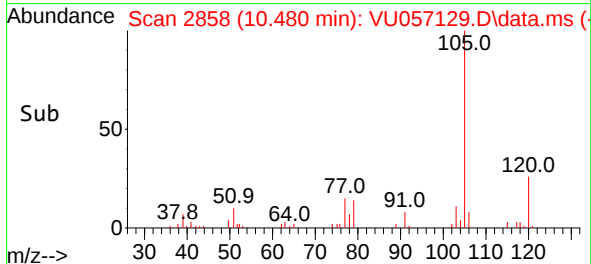
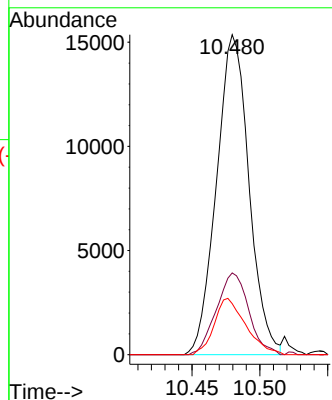
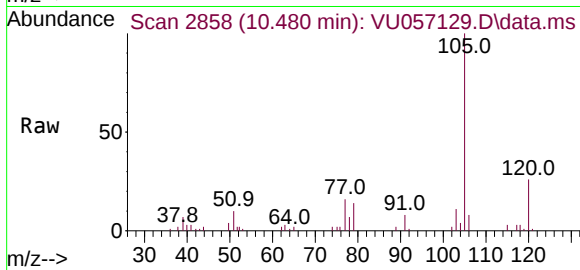
Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	25561
Ion Ratio	Lower	Upper	
105	100		
120	25.4	19.8	29.8
77	17.2	13.8	20.8



#61

1,2,3-Trichloropropane

Concen: 0.521 ug/L

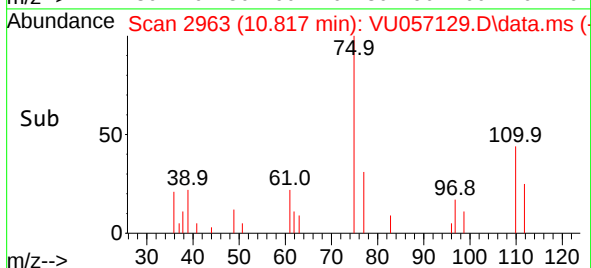
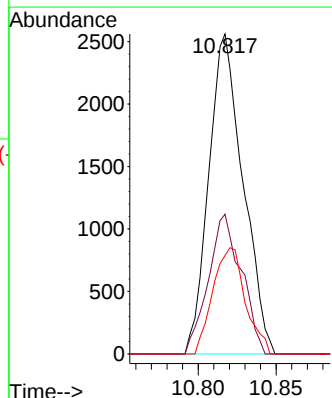
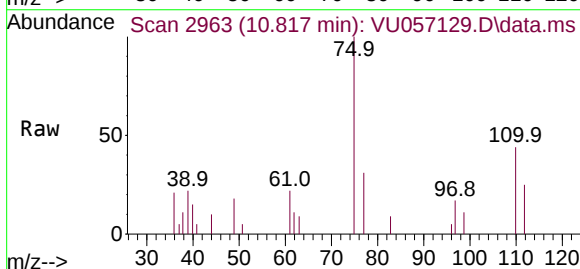
RT: 10.817 min Scan# 2963

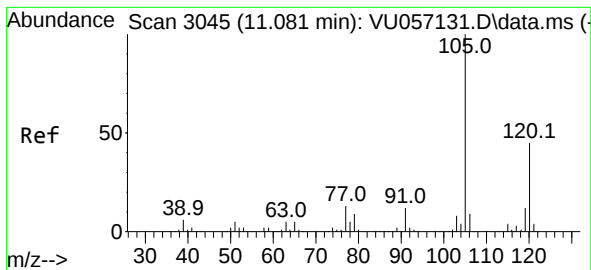
Delta R.T. 0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Tgt Ion:	75	Resp:	3916
Ion Ratio	Lower	Upper	
75	100		
110	42.1	31.2	46.8
77	31.5	25.5	38.3





#62

1,3,5-Trimethylbenzene

Concen: 0.439 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

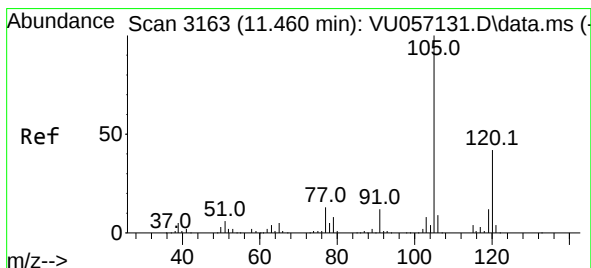
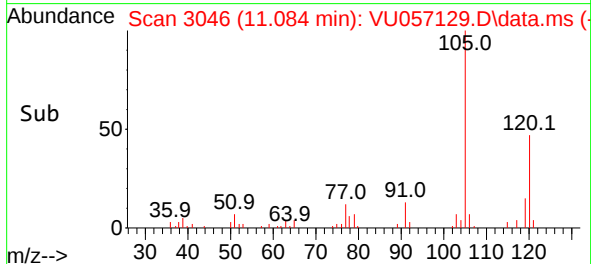
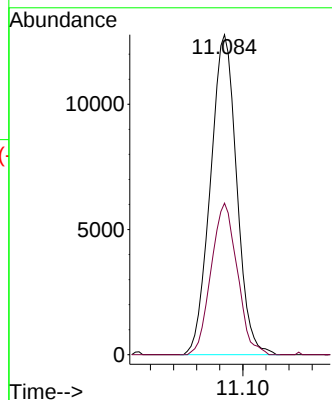
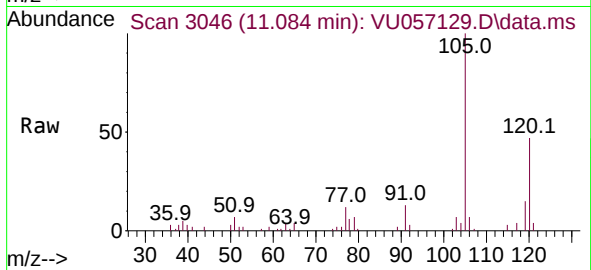
ClientSampleId :

Tgt Ion:105 Resp: 20175

Ion Ratio Lower Upper

105 100

120 47.1 35.8 53.8



#63

1,2,4-Trimethylbenzene

Concen: 0.428 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU057129.D

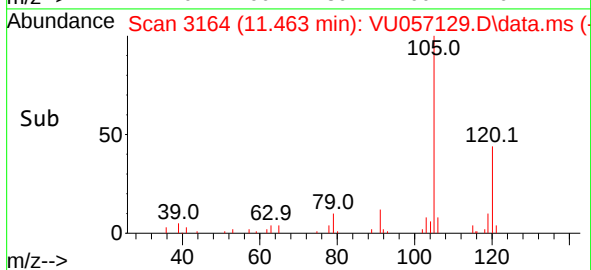
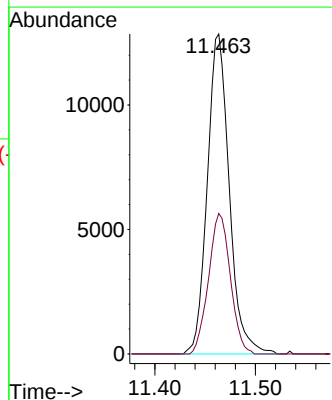
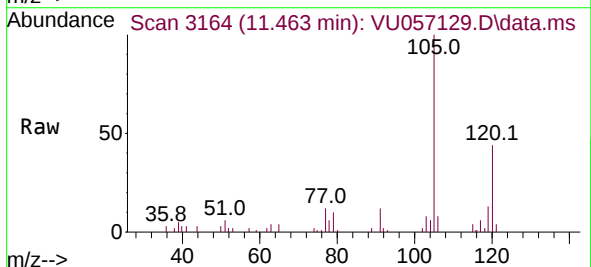
Acq: 21 Dec 2023 11:23

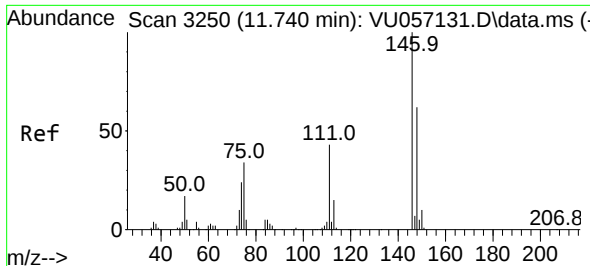
Tgt Ion:105 Resp: 19482

Ion Ratio Lower Upper

105 100

120 43.6 33.9 50.9

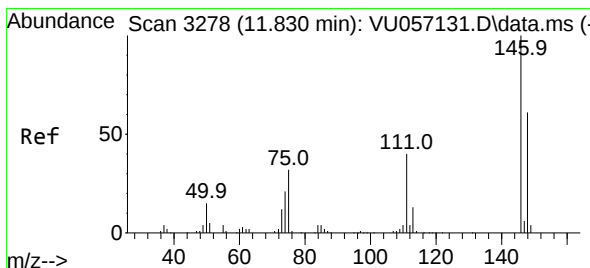
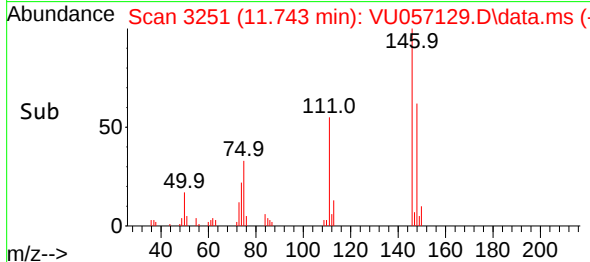
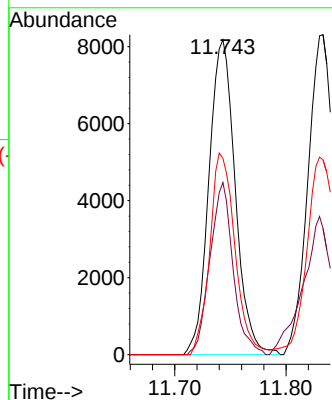
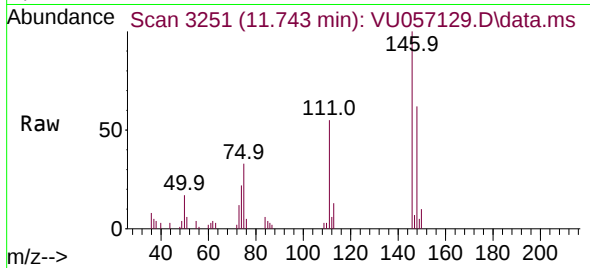




#64
1,3-Dichlorobenzene
Concen: 0.505 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

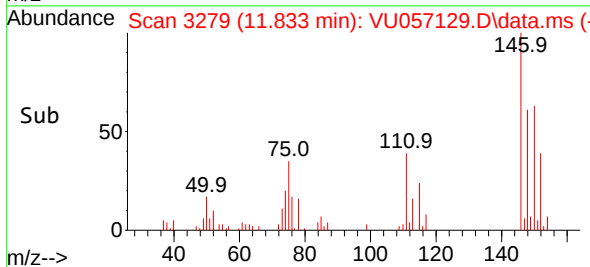
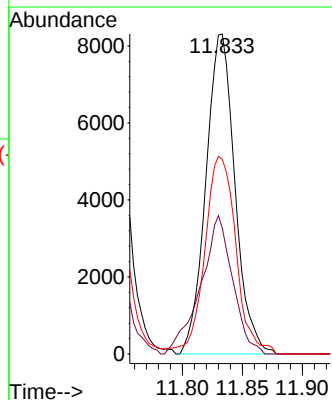
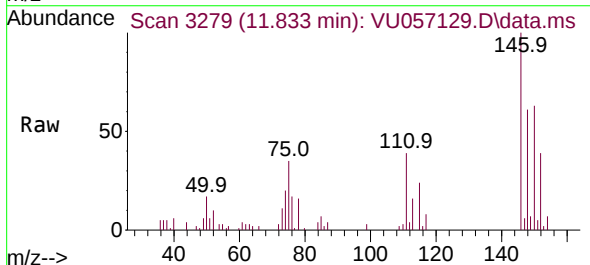
Instrument :
MSVOA_U
ClientSampleId :

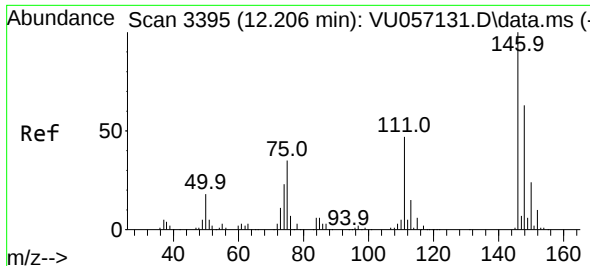
Tgt Ion:146 Resp: 13430
Ion Ratio Lower Upper
146 100
111 54.7 30.4 56.4
148 62.4 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 0.529 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

Tgt Ion:146 Resp: 13995
Ion Ratio Lower Upper
146 100
111 39.4 28.1 52.3
148 60.8 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 0.493 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

Instrument :

MSVOA_U

ClientSampleId :

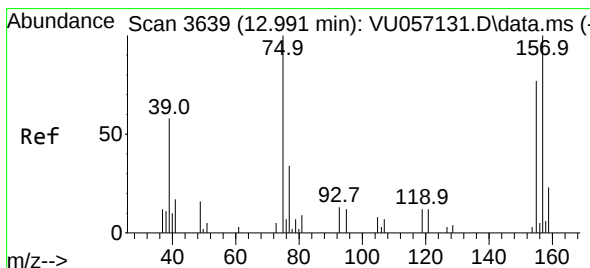
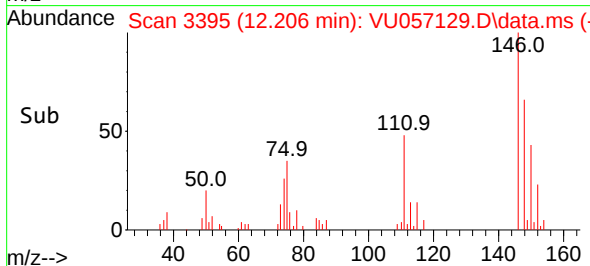
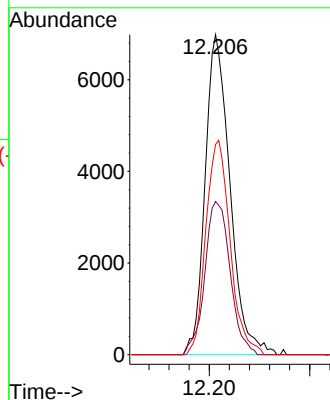
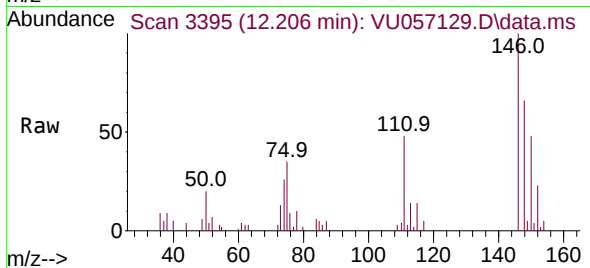
Tgt Ion:146 Resp: 11994

Ion Ratio Lower Upper

146 100

111 47.8 37.9 56.9

148 65.7 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.499 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.007 min

Lab File: VU057129.D

Acq: 21 Dec 2023 11:23

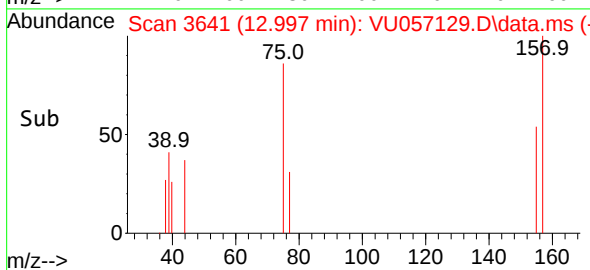
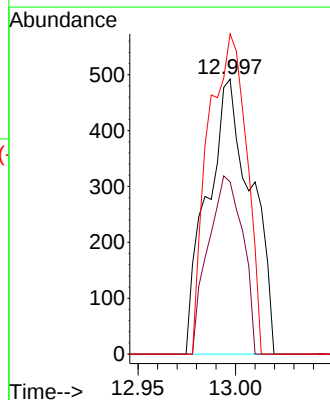
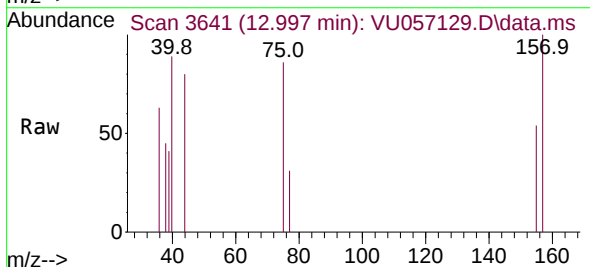
Tgt Ion: 75 Resp: 772

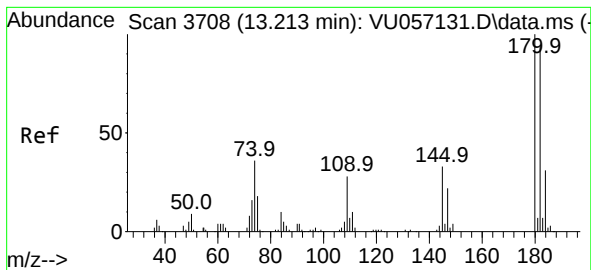
Ion Ratio Lower Upper

75 100

155 62.6 61.4 92.0

157 116.5 80.2 120.2

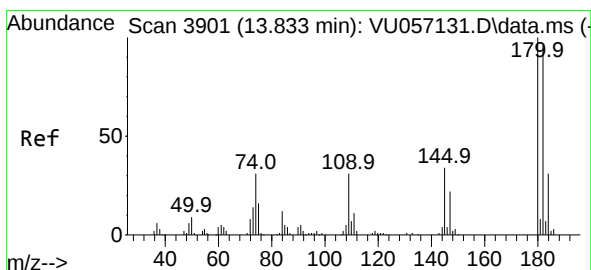
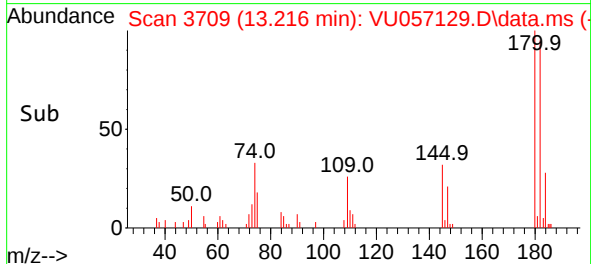
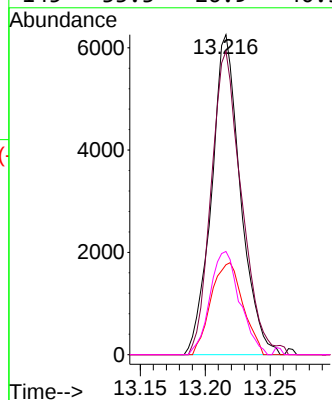
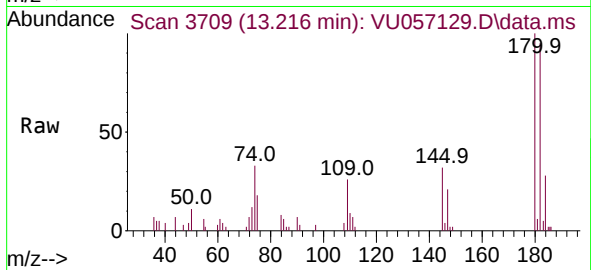




#69
 1,3,5-Trichlorobenzene
 Concen: 0.480 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU057129.D
 Acq: 21 Dec 2023 11:23

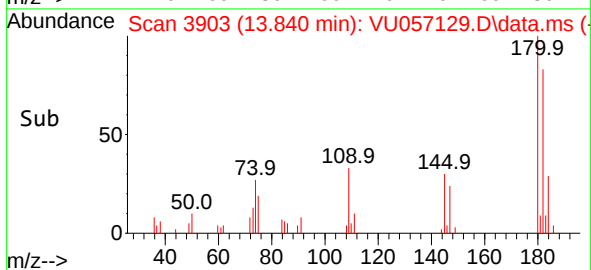
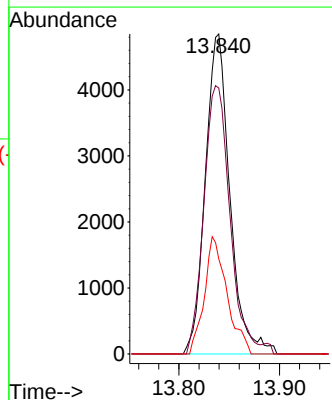
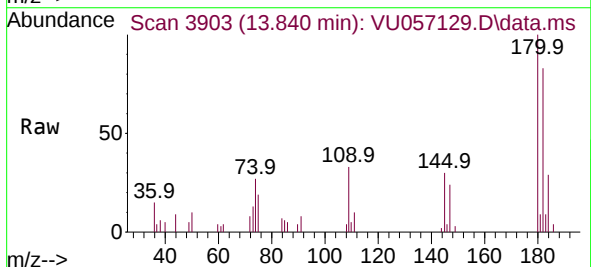
Instrument :
 MSVOA_U
 ClientSampleId :

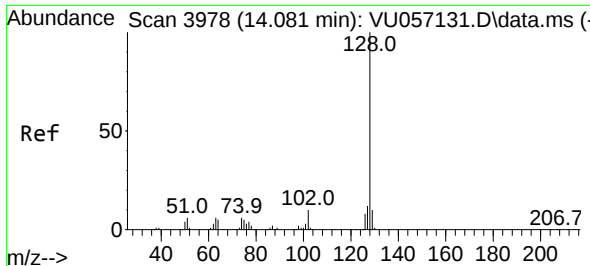
Tgt Ion:180	Resp:	9688
Ion Ratio	Lower	Upper
180	100	
182	99.2	75.6 113.4
184	31.7	24.2 36.2
145	33.3	26.9 40.3



#70
 1,2,4-trichlorobenzene
 Concen: 0.516 ug/L
 RT: 13.840 min Scan# 3903
 Delta R.T. 0.007 min
 Lab File: VU057129.D
 Acq: 21 Dec 2023 11:23

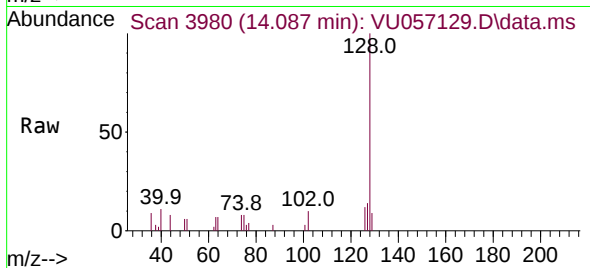
Tgt Ion:180	Resp:	8226
Ion Ratio	Lower	Upper
180	100	
182	88.7	75.4 113.0
145	33.6	27.7 41.5



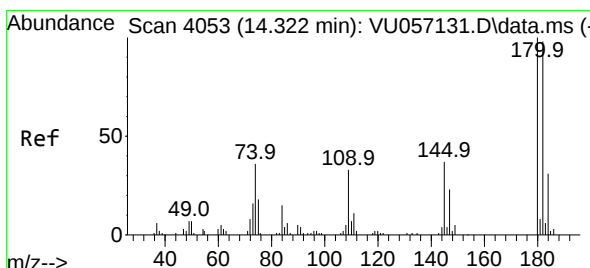
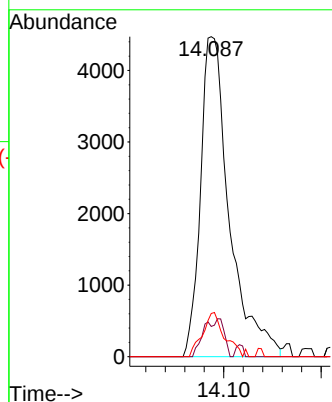
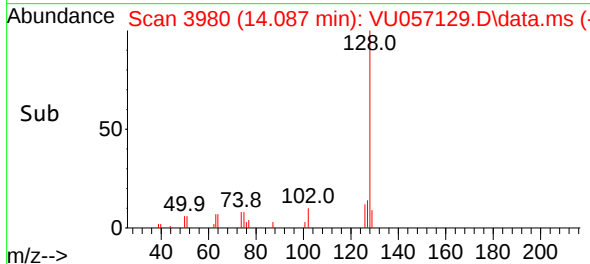


#71
Naphthalene
Concen: 0.396 ug/L
RT: 14.087 min Scan# 3978
Delta R.T. 0.007 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23

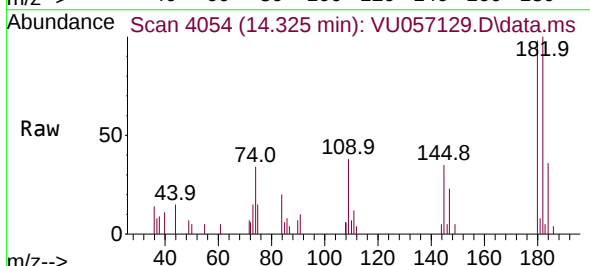
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 9186
Ion Ratio Lower Upper
128 100
129 4.3 8.2 12.4#
127 10.7 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 0.441 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU057129.D
Acq: 21 Dec 2023 11:23



Tgt Ion:180 Resp: 5935
Ion Ratio Lower Upper
180 100
182 92.9 76.2 114.4
145 31.9 28.9 43.3

