

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122221\
 Data File : VU046549.D
 Acq On : 22 Dec 2021 11:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 23 04:17:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 22 06:54:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	95197	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	92004	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48612	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	31966	4.263	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.919	69	25649	4.344	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.575	65	13852	4.381	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	4.655	46	108587	49.924	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.840%
24) Chloroform-d	5.067	84	63829	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.706	65	35761	4.553	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	5.732	84	117494	4.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.694	67	36821	4.778	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.902	98	107702	4.627	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	8.182	79	16298	4.573	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.639	63	109501	52.326	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.660%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	37286	4.714	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	41840	4.673	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	76761	5.270	ug/L	100
3) Chloromethane	1.523	50	60945	4.858	ug/L	100
5) Vinyl chloride	1.607	62	63131	5.111	ug/L	100
6) Bromomethane	1.864	94	34555	4.648	ug/L	98
8) Chloroethane	1.941	64	35874	4.948	ug/L	98
9) Trichlorofluoromethane	2.147	101	85143	5.270	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	44564	5.419	ug/L	96
12) 1,1-Dichloroethene	2.588	96	43024	5.138	ug/L #	77
13) Acetone	2.681	43	29965	14.694	ug/L #	1
14) Carbon disulfide	2.800	76	136598	4.994	ug/L	100
15) Methyl Acetate	2.970	43	20374	4.946	ug/L #	87
16) Methylene chloride	3.054	84	48831	4.792	ug/L	94
17) Methyl tert-butyl Ether	3.369	73	124583	5.100	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	45870	5.135	ug/L	95
19) 1,1-Dichloroethane	3.877	63	81795	4.970	ug/L	98
21) 2-Butanone	4.735	43	159622	51.593	ug/L	95
22) cis-1,2-Dichloroethene	4.674	96	49926	5.113	ug/L	97
23) Bromochloromethane	4.980	128	23769	4.891	ug/L	92
25) Chloroform	5.096	83	88372	4.971	ug/L	98

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 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 23 04:17:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
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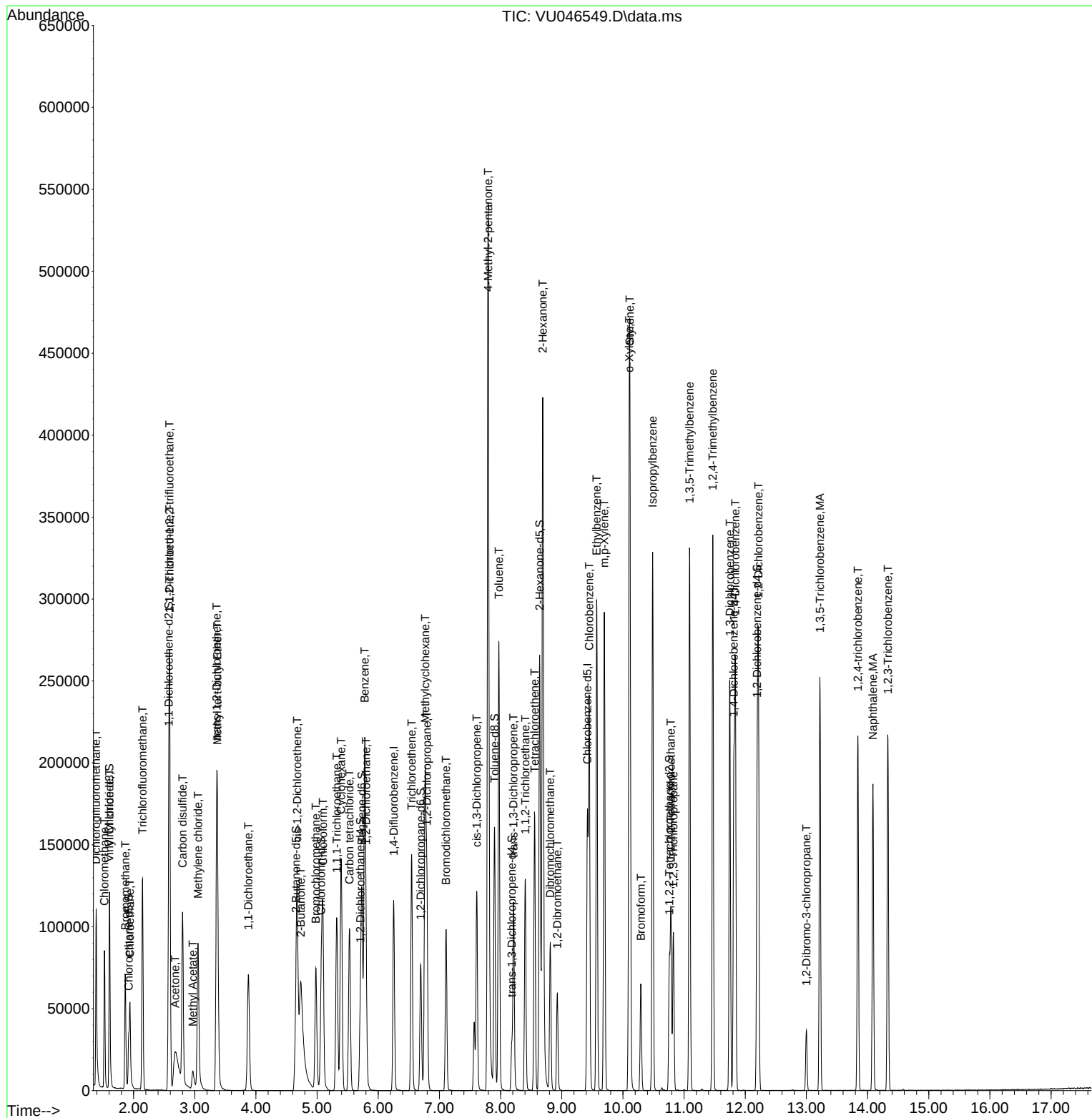
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	61992	4.884	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	79220	5.207	ug/L	98
30) Cyclohexane	5.395	56	71267	5.663	ug/L	97
31) Carbon tetrachloride	5.530	117	68310	5.351	ug/L	100
33) Benzene	5.777	78	187976	5.142	ug/L	100
34) Trichloroethene	6.546	95	48883	5.073	ug/L	98
35) Methylcyclohexane	6.767	83	79392	5.843	ug/L	94
37) 1,2-Dichloropropane	6.796	63	48351	5.185	ug/L	99
38) Bromodichloromethane	7.108	83	64772	5.018	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	74131	5.252	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	370781	52.972	ug/L	96
42) Toluene	7.973	91	201697	5.376	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	67190	5.137	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	39835	4.954	ug/L	97
47) Tetrachloroethene	8.558	164	37124	5.444	ug/L	94
48) 2-Hexanone	8.690	43	277824	53.148	ug/L	97
49) Dibromochloromethane	8.812	129	47504	5.121	ug/L	97
50) 1,2-Dibromoethane	8.928	107	39658	5.109	ug/L #	97
51) Chlorobenzene	9.449	112	124298	5.182	ug/L	98
52) Ethylbenzene	9.571	91	212348	5.467	ug/L	100
53) m,p-Xylene	9.697	106	84622	5.687	ug/L	99
54) o-Xylene	10.102	106	79384	5.552	ug/L	94
55) Styrene	10.115	104	140117	5.650	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	52980	5.042	ug/L	95
59) Bromoform	10.295	173	28520	5.078	ug/L	96
60) Isopropylbenzene	10.488	105	213019	5.682	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	40867	5.062	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	177894	5.706	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	182261	5.805	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	100038	5.489	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	99850	5.352	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	99019	5.417	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	9832	5.261	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	76145	5.521	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	64492	5.521	ug/L	100
71) Naphthalene	14.089	128	147788	5.696	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	64231	5.554	ug/L	98

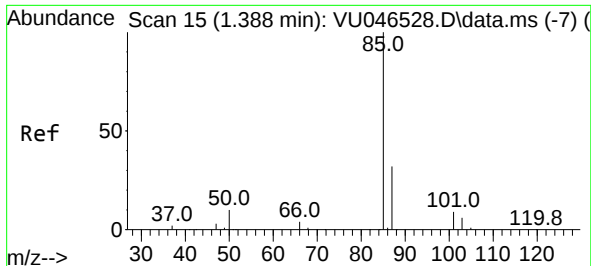
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 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 23 04:17:43 2021
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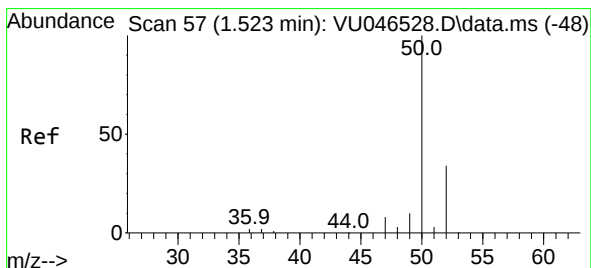
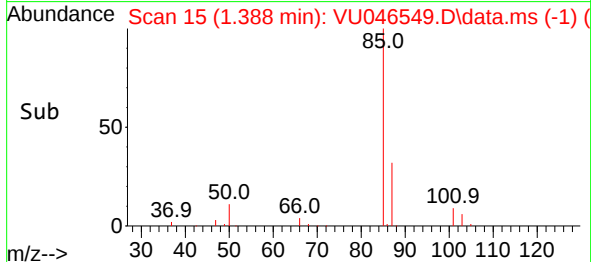
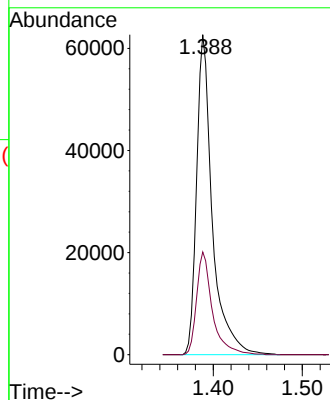
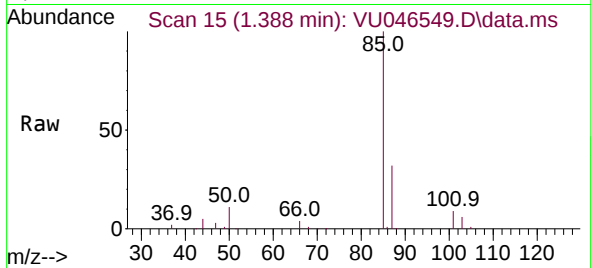




#2
Dichlorodifluoromethane
Concen: 5.270 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

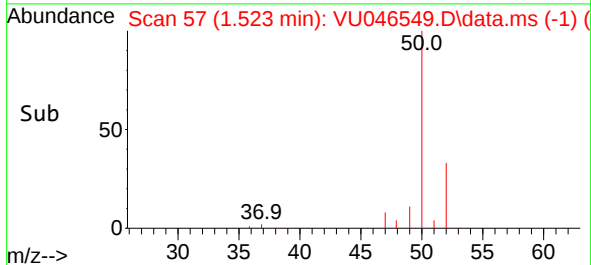
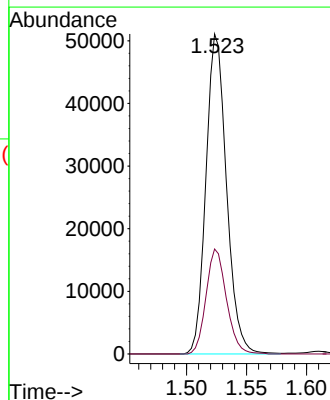
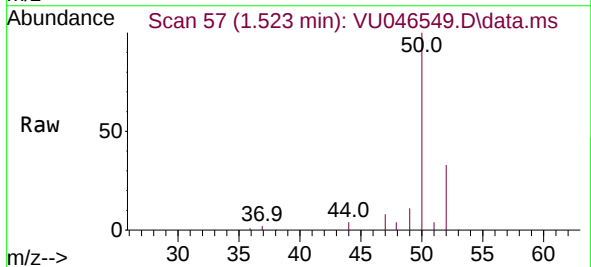
Instrument :
MSVOA_U
ClientSampleId :

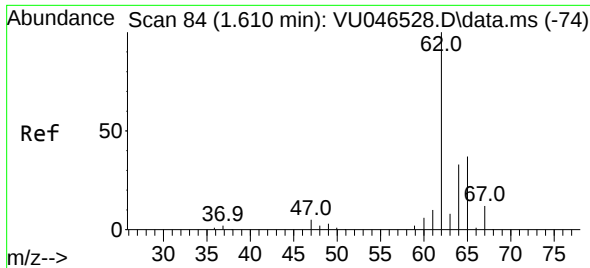
Tgt Ion: 85 Resp: 76761
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.6



#3
Chloromethane
Concen: 4.858 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

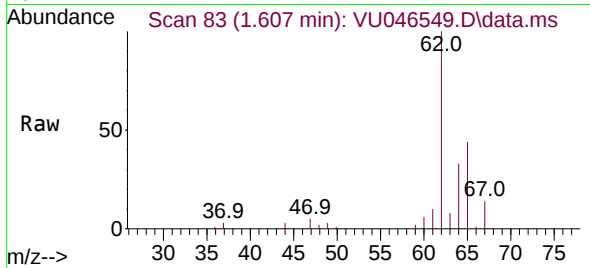
Tgt Ion: 50 Resp: 60945
Ion Ratio Lower Upper
50 100
52 32.8 23.0 42.8



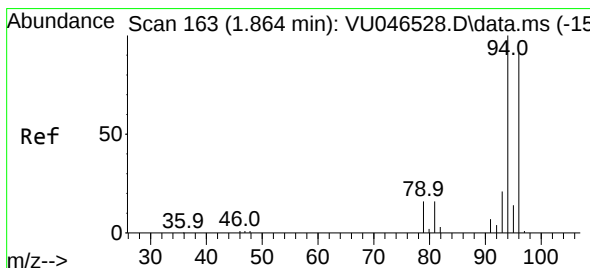
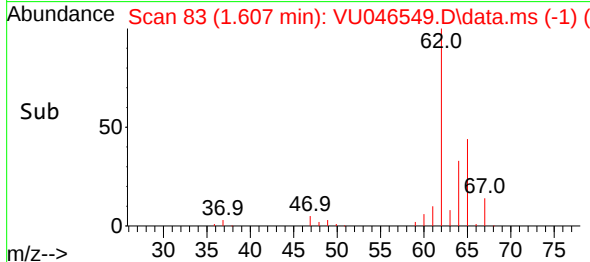
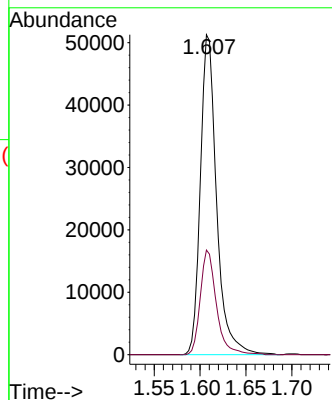


#5
 Vinyl chloride
 Concen: 5.111 ug/L
 RT: 1.607 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VU046549.D
 Acq: 22 Dec 2021 11:09

Instrument :
 MSVOA_U
 ClientSampleId :

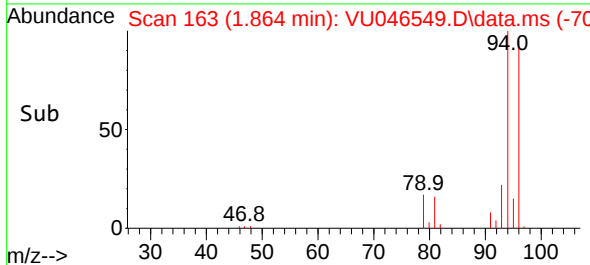
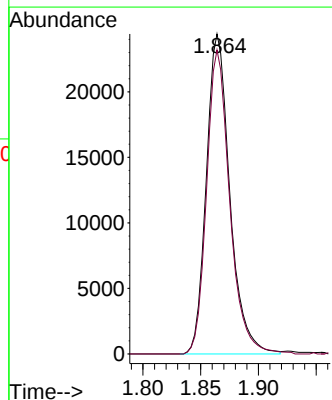
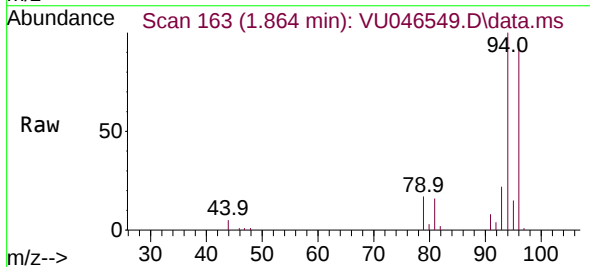


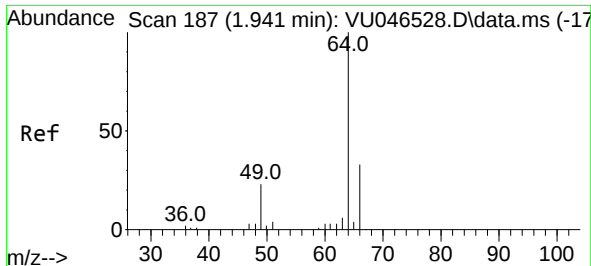
Tgt Ion: 62 Resp: 63131
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5



#6
 Bromomethane
 Concen: 4.648 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU046549.D
 Acq: 22 Dec 2021 11:09

Tgt Ion: 94 Resp: 34555
 Ion Ratio Lower Upper
 94 100
 96 95.0 65.5 121.6

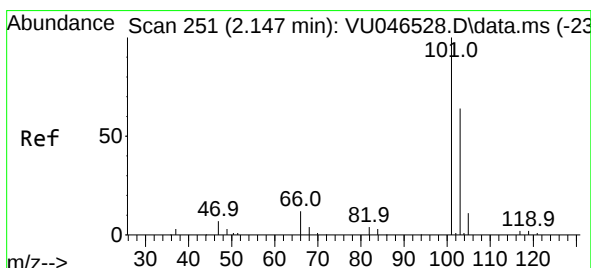
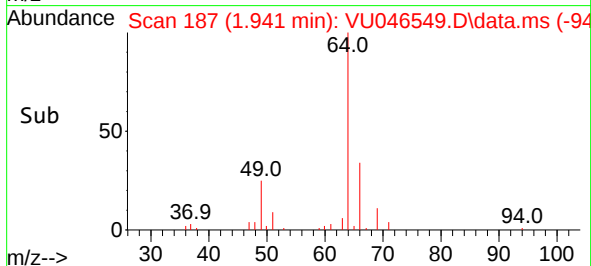
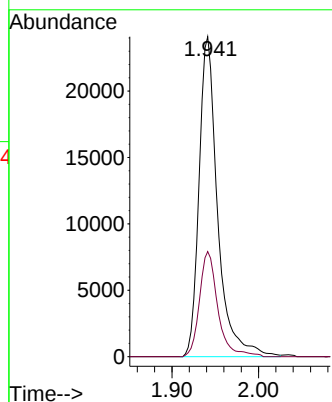
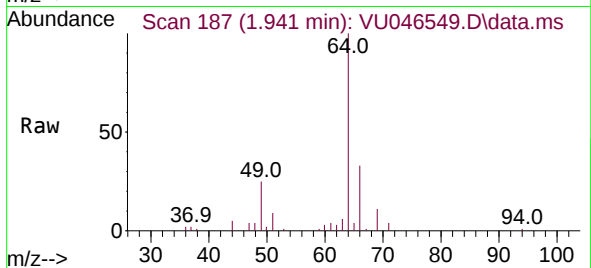




#8
Chloroethane
Concen: 4.948 ug/L
RT: 1.941 min Scan# 187
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

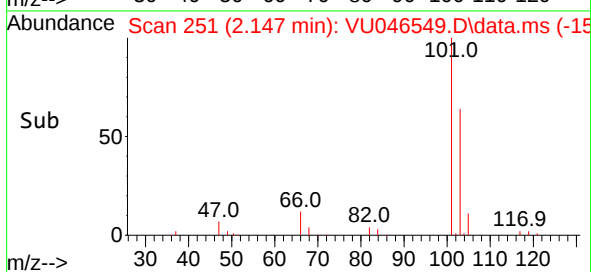
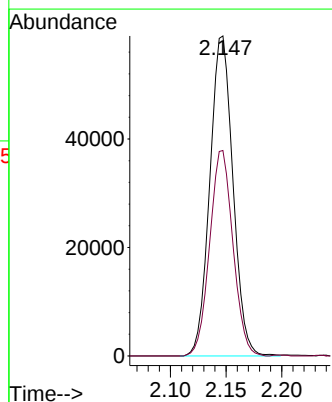
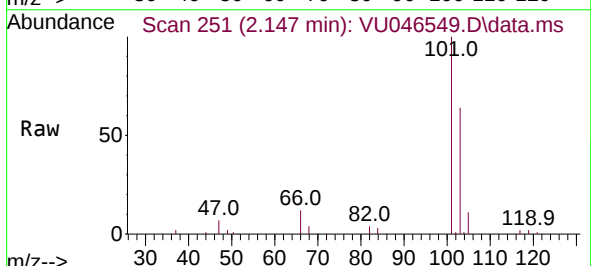
Instrument :
MSVOA_U
ClientSampleId :

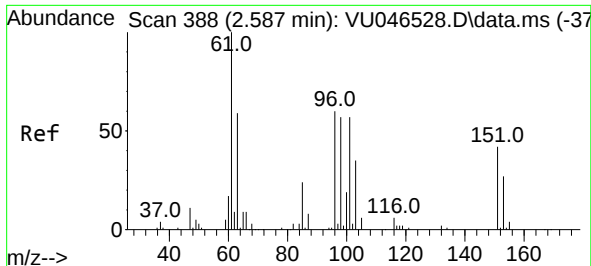
Tgt Ion: 64 Resp: 35874
Ion Ratio Lower Upper
64 100
66 32.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.270 ug/L
RT: 2.147 min Scan# 251
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion:101 Resp: 85143
Ion Ratio Lower Upper
101 100
103 64.6 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.419 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046549.D

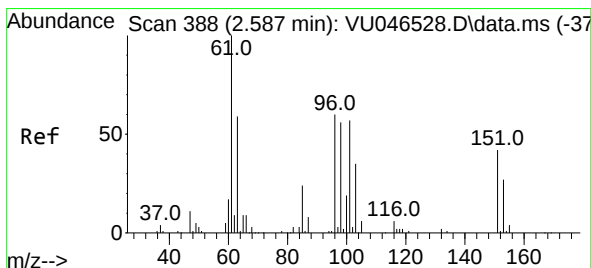
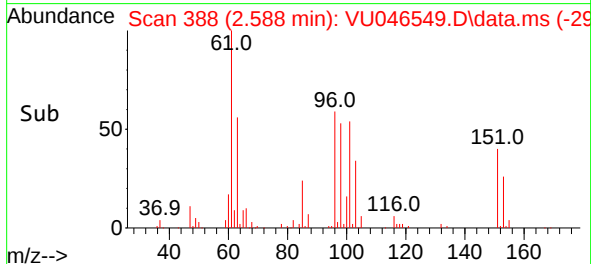
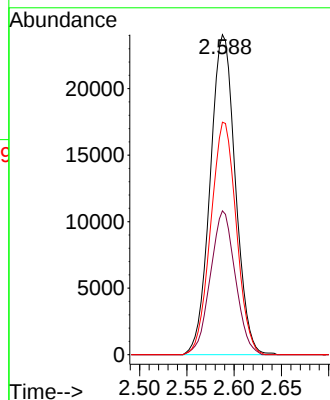
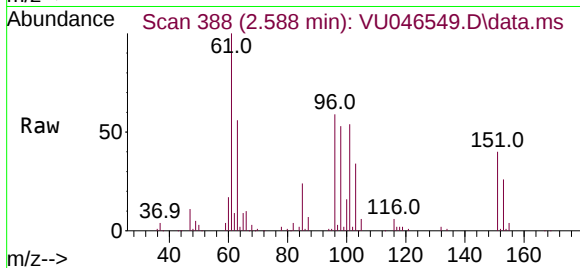
Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	44564
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.6	51.8
151	73.8	56.1	84.1



#12

1,1-Dichloroethene

Concen: 5.138 ug/L

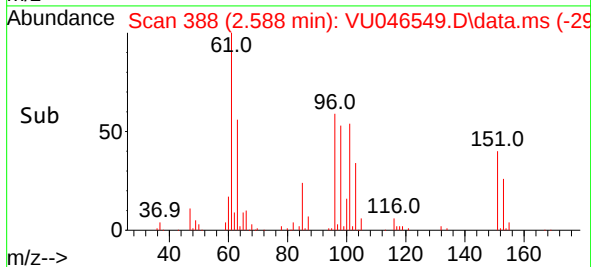
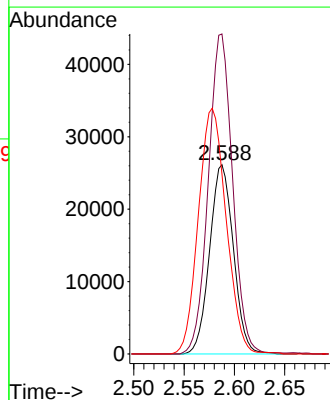
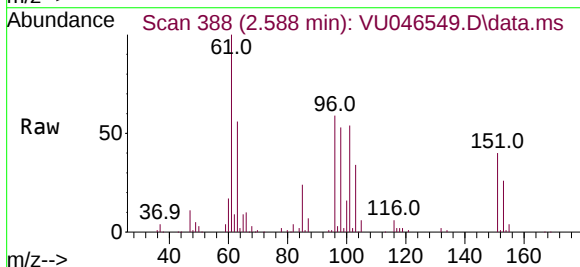
RT: 2.588 min Scan# 388

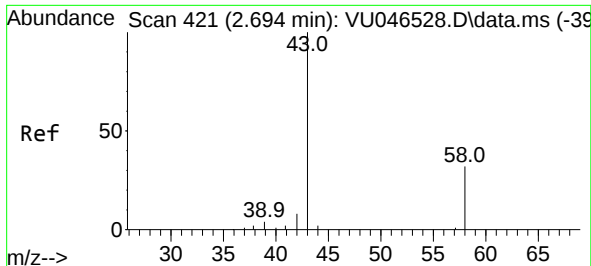
Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Tgt Ion:	96	Resp:	43024
Ion Ratio	Lower	Upper	
96	100		
61	169.0	124.7	231.5
63	95.0	105.2	195.4





#13

Acetone

Concen: 14.694 ug/L

RT: 2.681 min Scan# 417

Delta R.T. -0.013 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

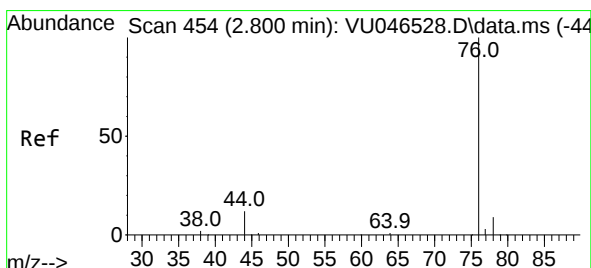
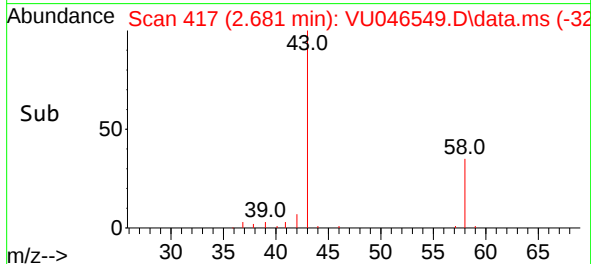
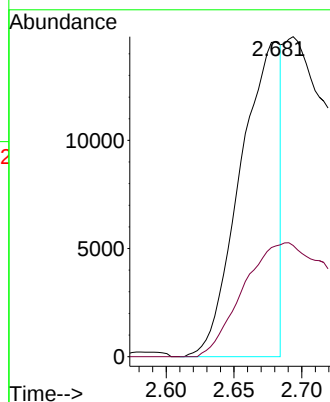
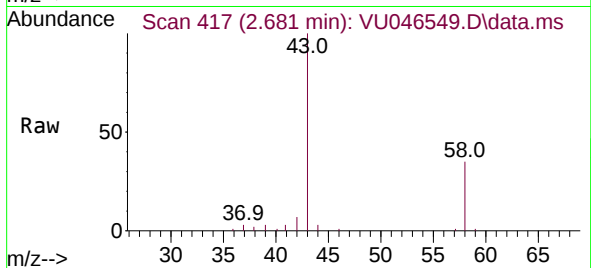
ClientSampleId :

Tgt Ion: 43 Resp: 29965

Ion Ratio Lower Upper

43 100

58 102.3 0.0 71.6#



#14

Carbon disulfide

Concen: 4.994 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046549.D

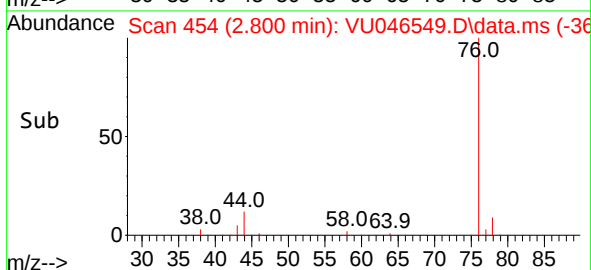
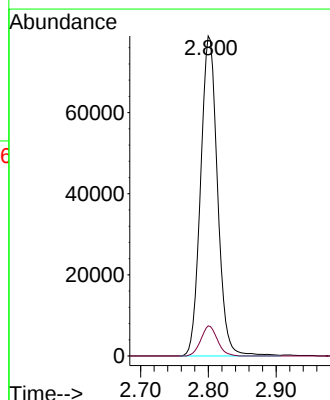
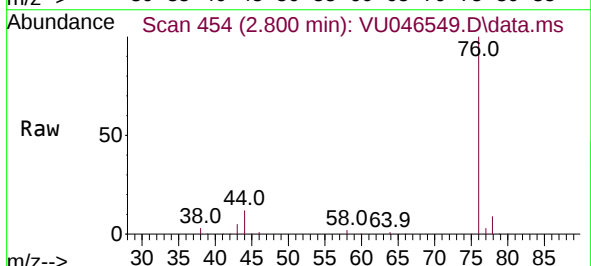
Acq: 22 Dec 2021 11:09

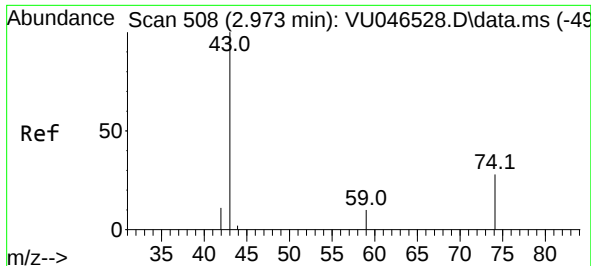
Tgt Ion: 76 Resp: 136598

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

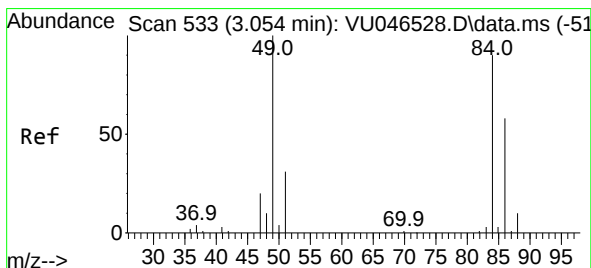
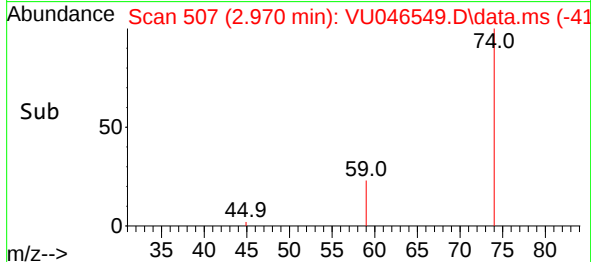
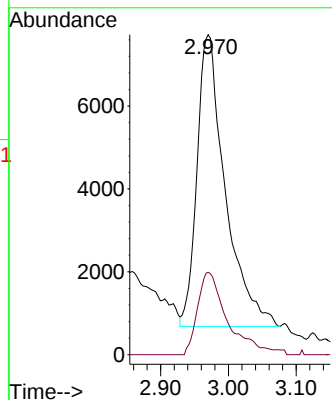
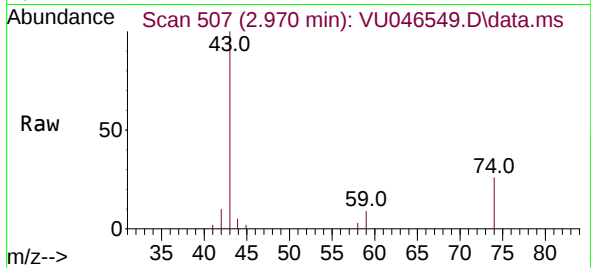




#15
Methyl Acetate
Concen: 4.946 ug/L
RT: 2.970 min Scan# 508
Delta R.T. -0.003 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

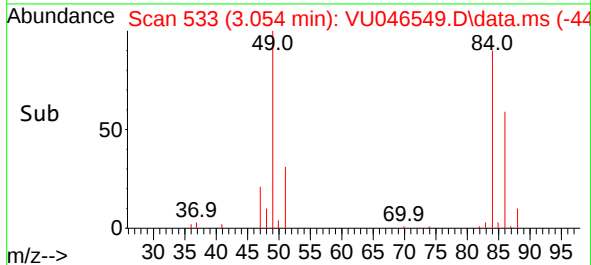
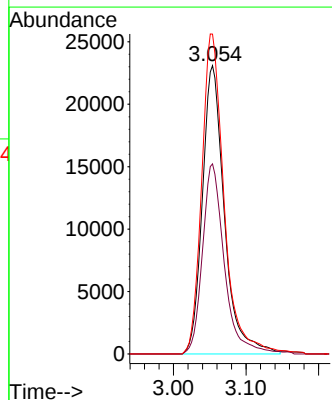
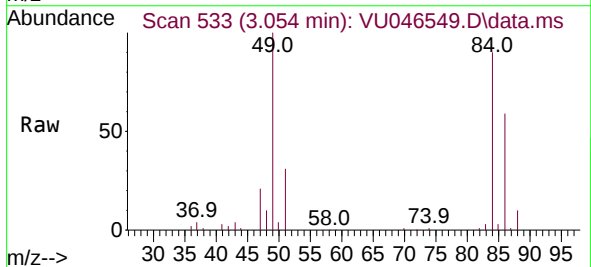
Instrument :
MSVOA_U
ClientSampleId :

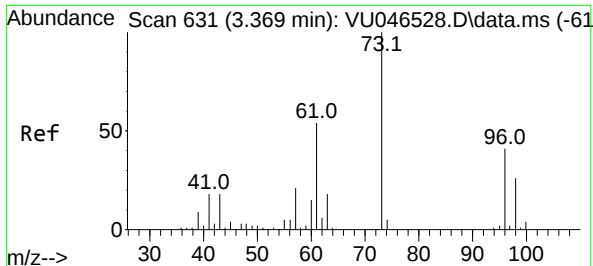
Tgt Ion: 43 Resp: 20374
Ion Ratio Lower Upper
43 100
74 30.2 19.1 28.7#



#16
Methylene chloride
Concen: 4.792 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion: 84 Resp: 48831
Ion Ratio Lower Upper
84 100
86 65.9 45.8 85.0
49 110.9 84.5 156.9

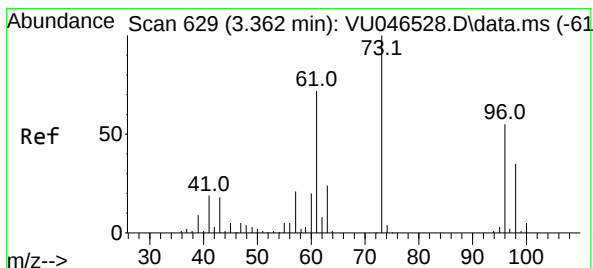
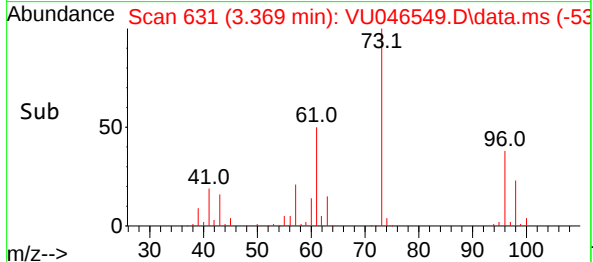
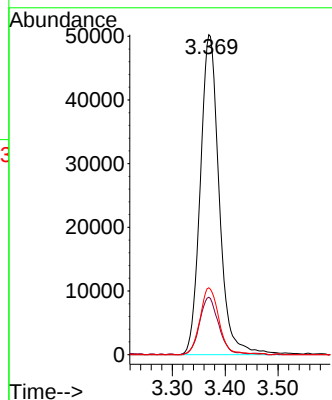
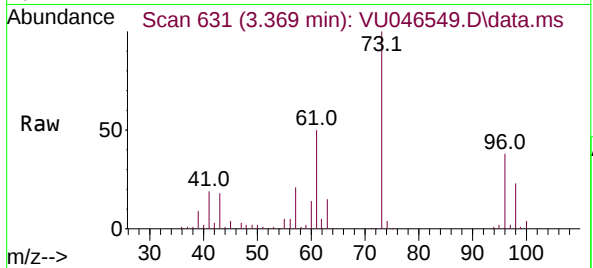




#17
Methyl tert-butyl Ether
Concen: 5.100 ug/L
RT: 3.369 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

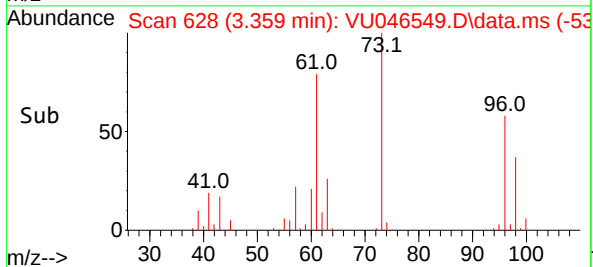
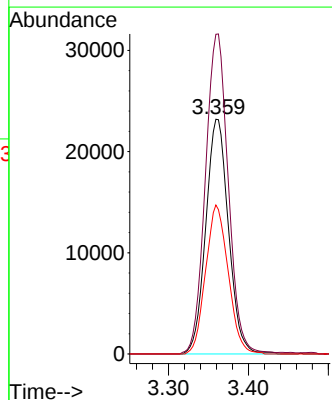
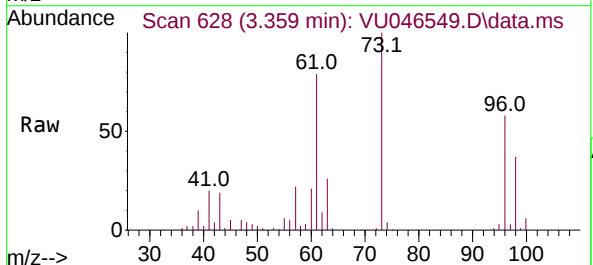
Instrument :
MSVOA_U
ClientSampleId :

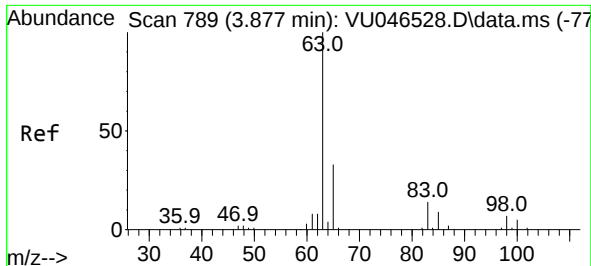
Tgt Ion: 73 Resp: 124583
Ion Ratio Lower Upper
73 100
43 18.2 14.8 22.2
57 21.1 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 5.135 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion: 96 Resp: 45870
Ion Ratio Lower Upper
96 100
61 136.3 100.8 187.2
98 63.5 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.970 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

ClientSampleId :

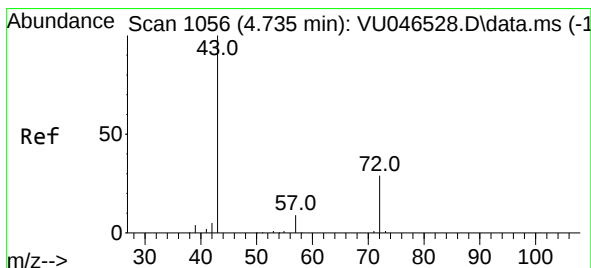
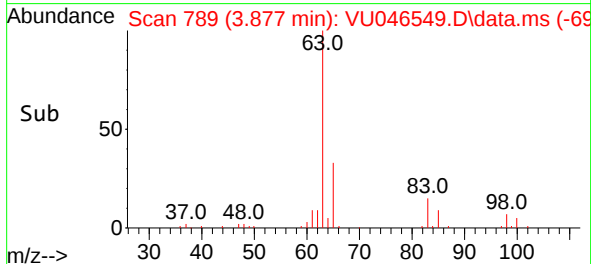
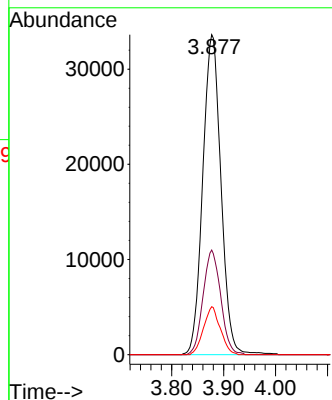
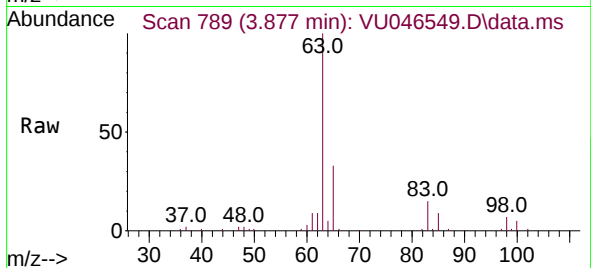
Tgt Ion: 63 Resp: 81795

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.5

83 15.0 9.6 17.8



#21

2-Butanone

Concen: 51.593 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VU046549.D

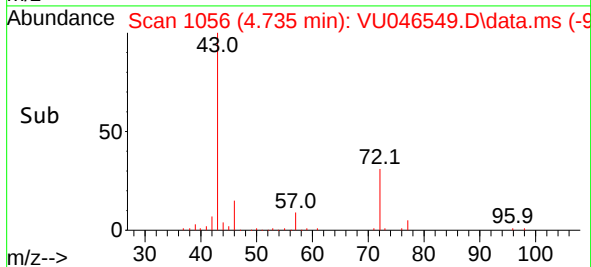
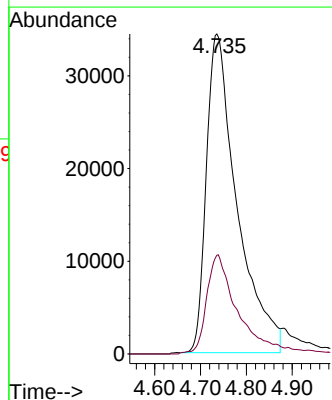
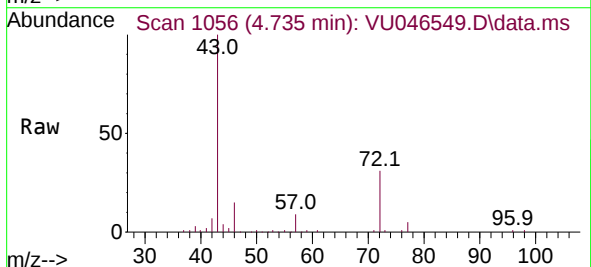
Acq: 22 Dec 2021 11:09

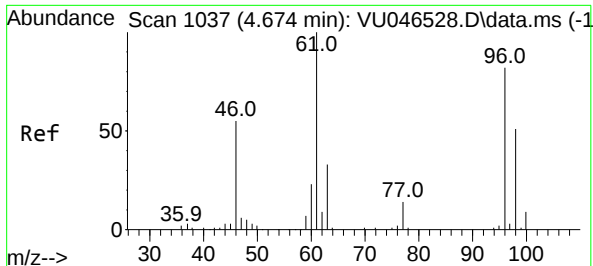
Tgt Ion: 43 Resp: 159622

Ion Ratio Lower Upper

43 100

72 30.8 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 5.113 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

ClientSampleId :

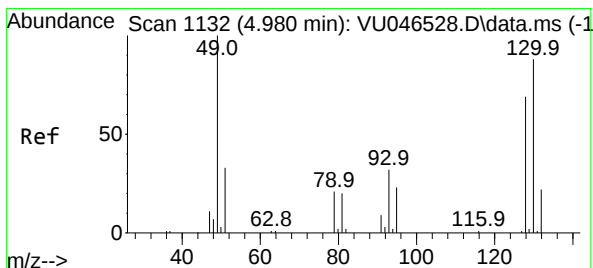
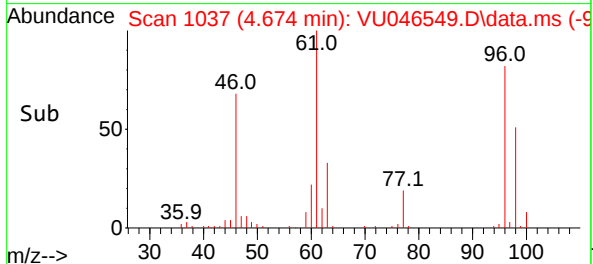
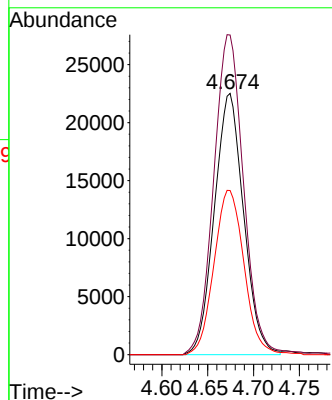
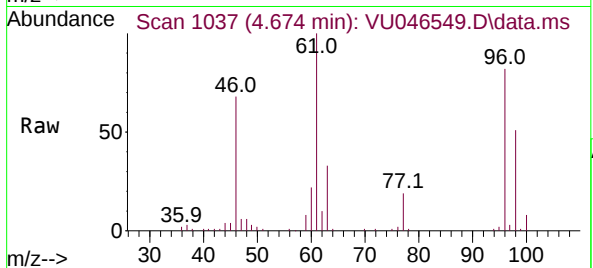
Tgt Ion: 96 Resp: 49926

Ion Ratio Lower Upper

96 100

61 122.3 88.5 164.3

98 62.8 44.4 82.5



#23

Bromochloromethane

Concen: 4.891 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Tgt Ion: 128 Resp: 23769

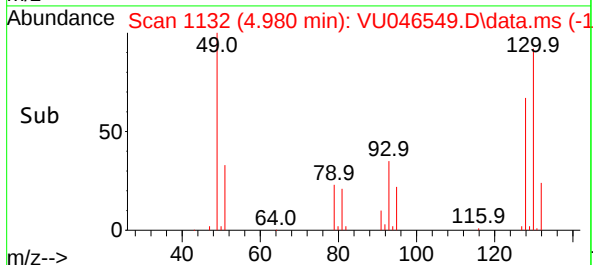
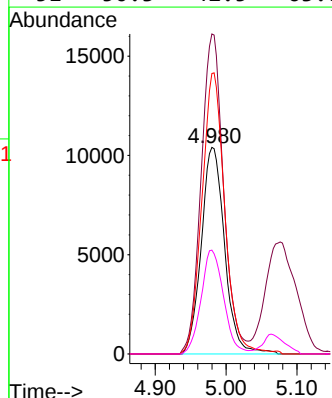
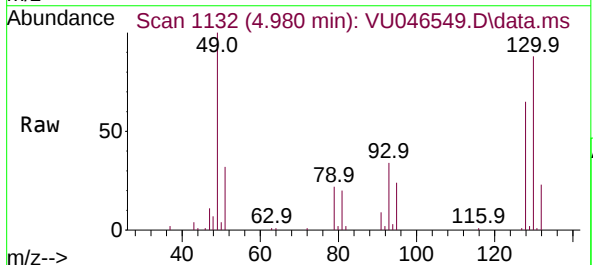
Ion Ratio Lower Upper

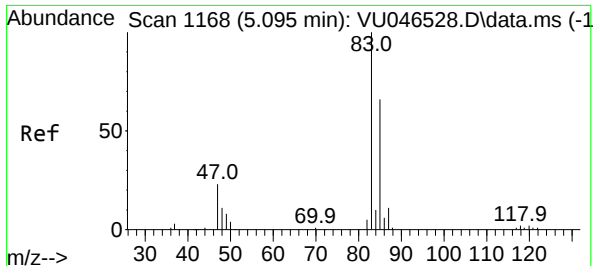
128 100

49 154.9 117.0 217.2

130 135.8 88.2 163.8

51 50.3 42.5 63.7





#25

Chloroform

Concen: 4.971 ug/L

RT: 5.096 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

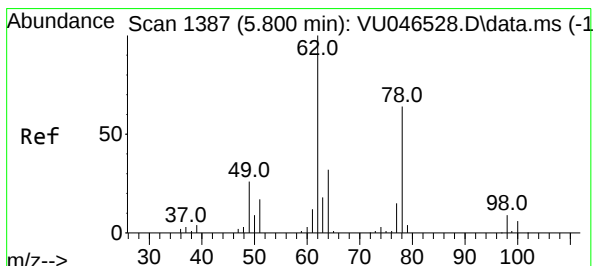
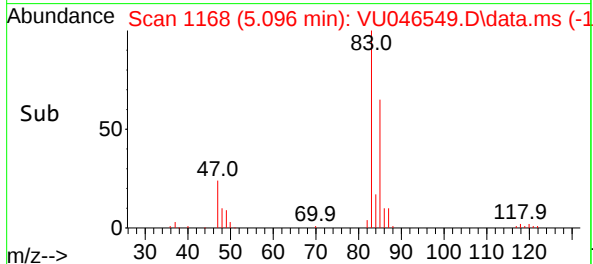
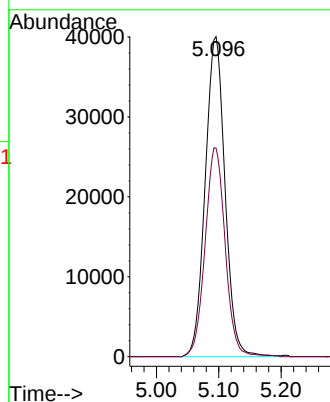
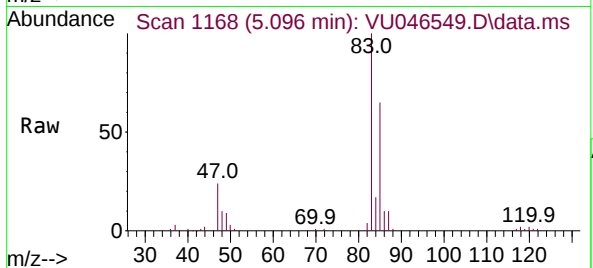
ClientSampleId :

Tgt Ion: 83 Resp: 88372

Ion Ratio Lower Upper

83 100

85 65.2 46.9 87.1



#27

1,2-Dichloroethane

Concen: 4.884 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU046549.D

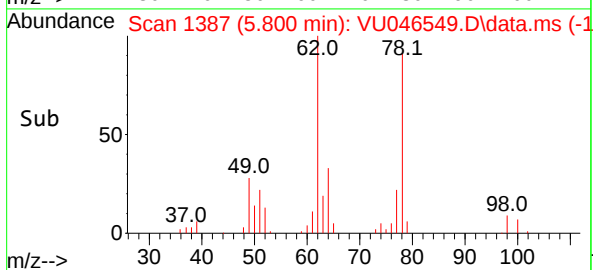
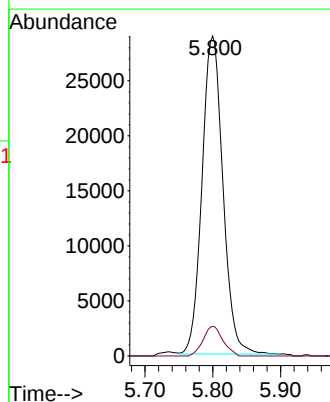
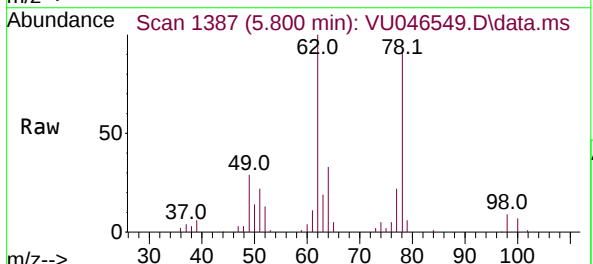
Acq: 22 Dec 2021 11:09

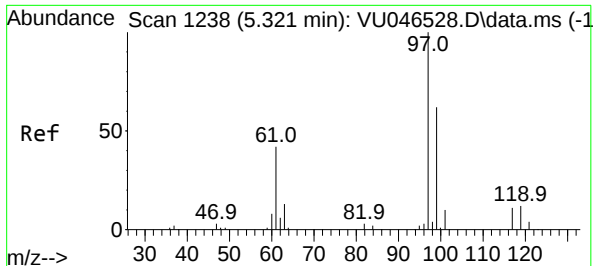
Tgt Ion: 62 Resp: 61992

Ion Ratio Lower Upper

62 100

98 9.2 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.207 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

ClientSampleId :

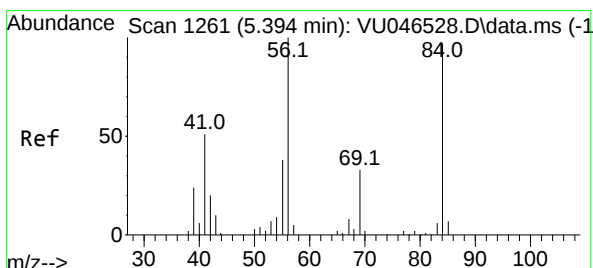
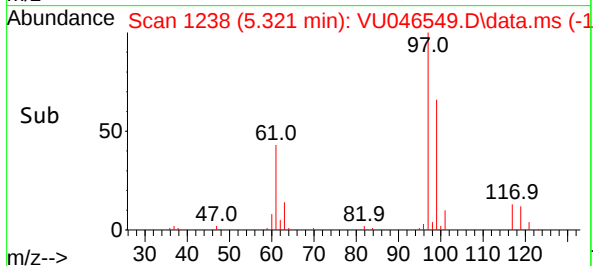
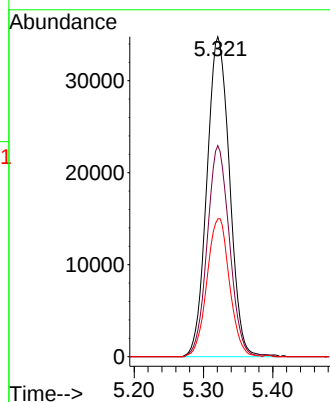
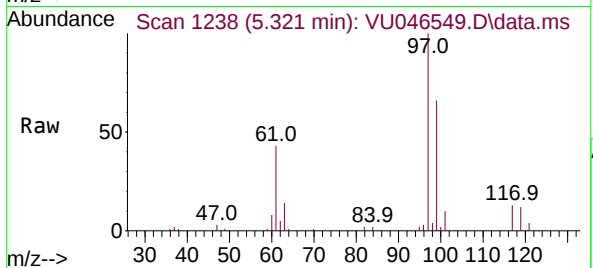
Tgt Ion: 97 Resp: 79220

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 42.8 36.1 54.1



#30

Cyclohexane

Concen: 5.663 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

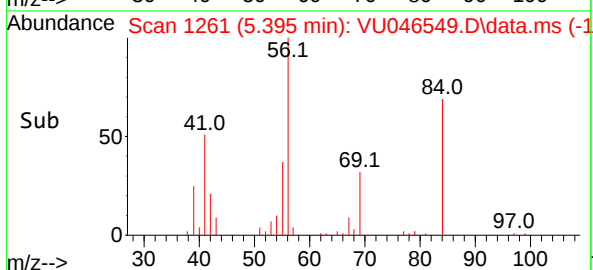
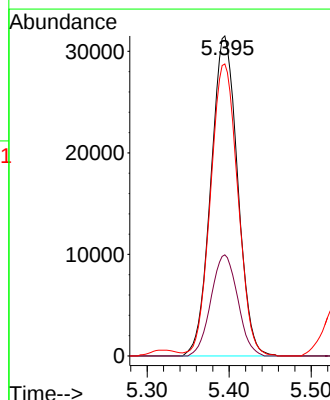
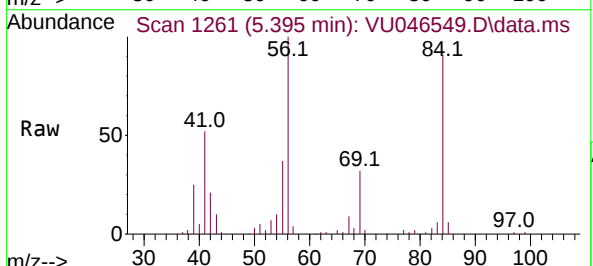
Tgt Ion: 56 Resp: 71267

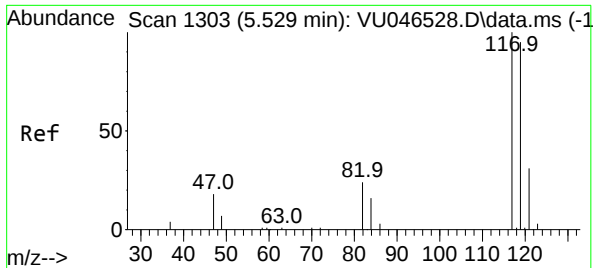
Ion Ratio Lower Upper

56 100

69 31.7 24.7 37.1

84 93.4 71.8 107.6

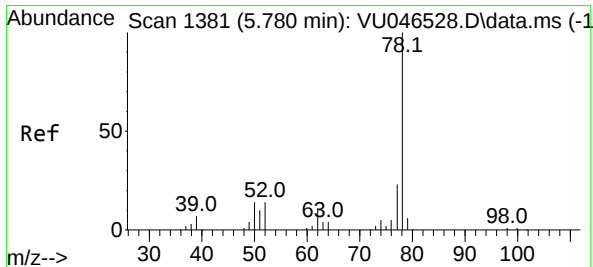
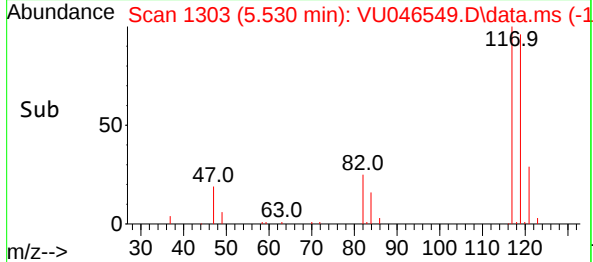
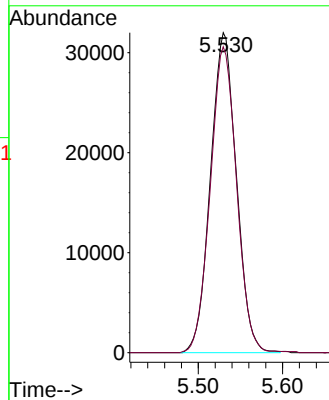
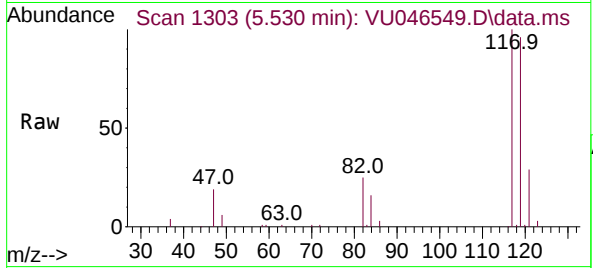




#31
Carbon tetrachloride
Concen: 5.351 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

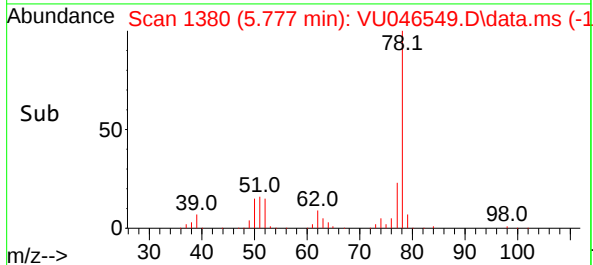
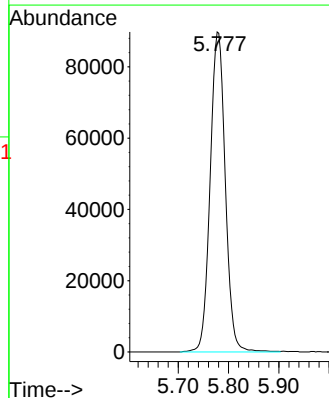
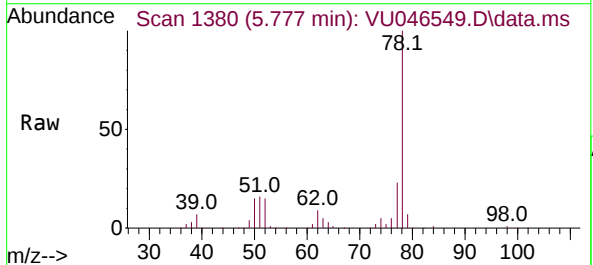
Instrument :
MSVOA_U
ClientSampleId :

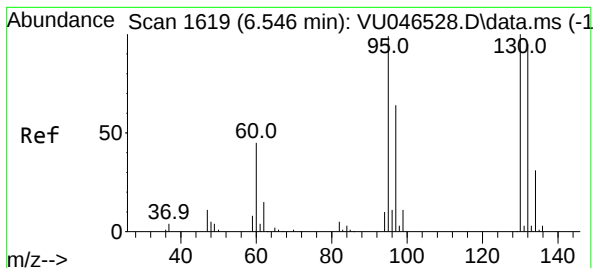
Tgt Ion:117 Resp: 68310
Ion Ratio Lower Upper
117 100
119 97.0 77.5 116.3



#33
Benzene
Concen: 5.142 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion: 78 Resp: 187976





#34

Trichloroethene

Concen: 5.073 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 48883

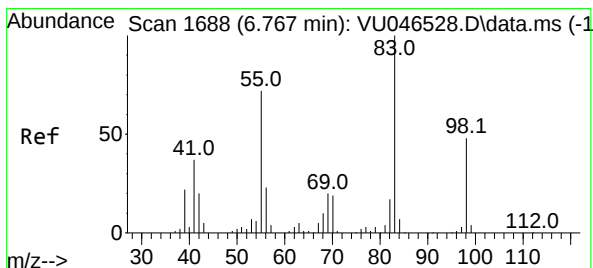
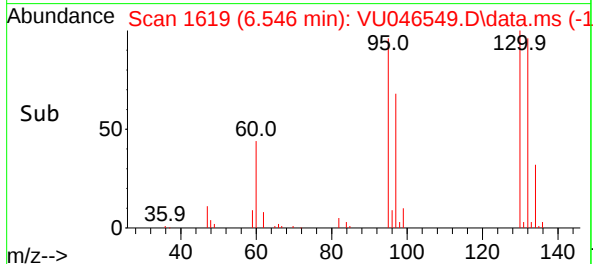
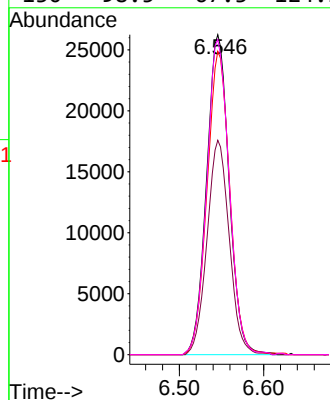
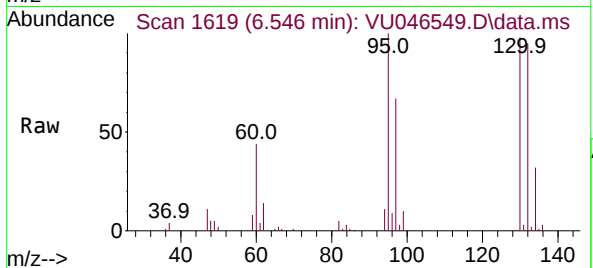
Ion Ratio Lower Upper

95 100

97 67.0 46.5 86.5

132 94.8 65.1 120.9

130 98.5 67.3 124.9



#35

Methylcyclohexane

Concen: 5.843 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

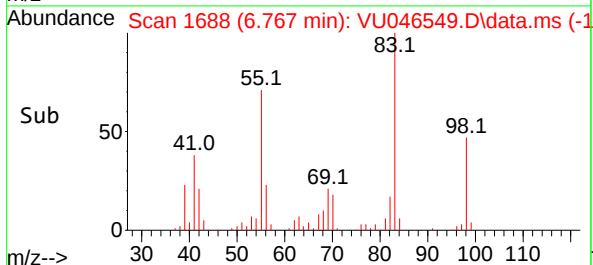
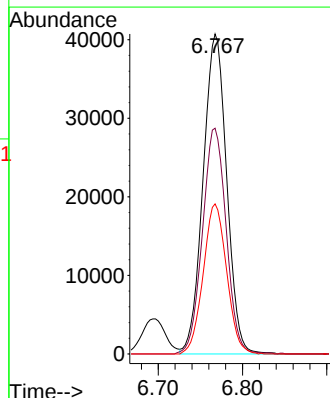
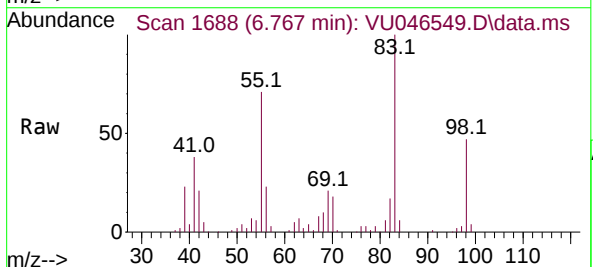
Tgt Ion: 83 Resp: 79392

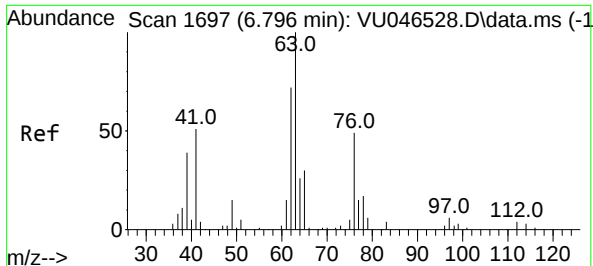
Ion Ratio Lower Upper

83 100

55 70.9 61.9 92.9

98 46.6 39.0 58.6

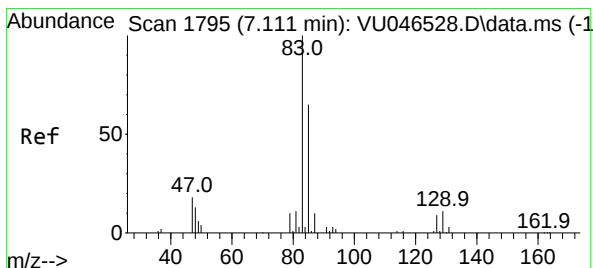
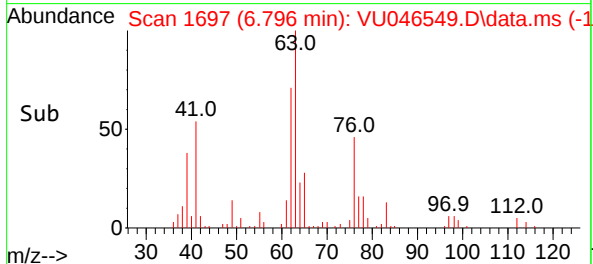
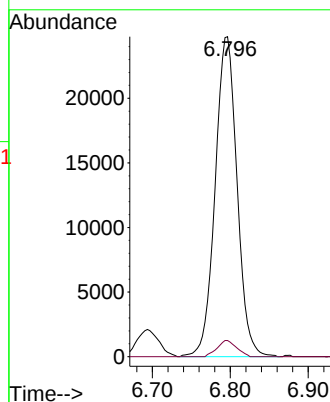
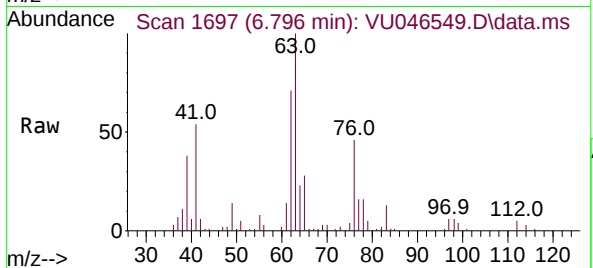




#37
1,2-Dichloropropane
Concen: 5.185 ug/L
RT: 6.796 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

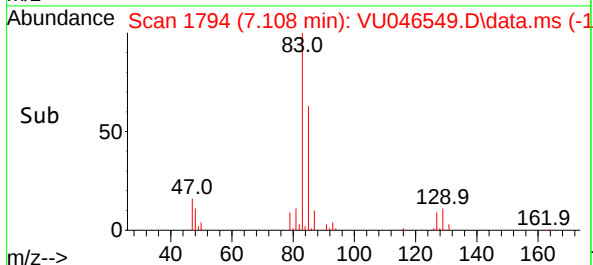
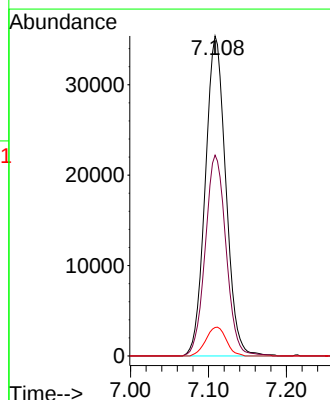
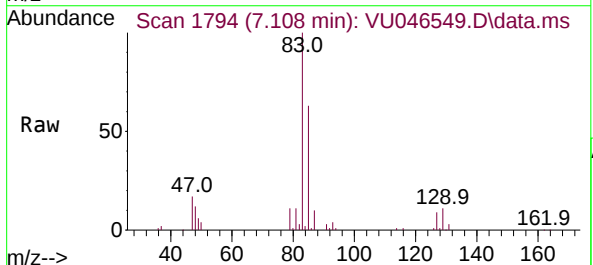
Instrument :
MSVOA_U
ClientSampleId :

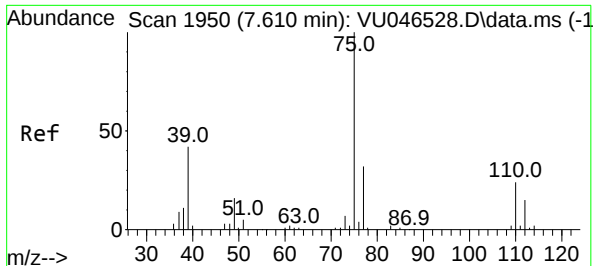
Tgt Ion: 63 Resp: 48351
Ion Ratio Lower Upper
63 100
112 4.5 3.2 4.8



#38
Bromodichloromethane
Concen: 5.018 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.003 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion: 83 Resp: 64772
Ion Ratio Lower Upper
83 100
85 62.8 44.0 81.8
127 8.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.252 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

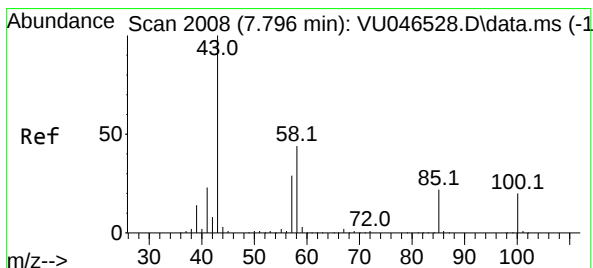
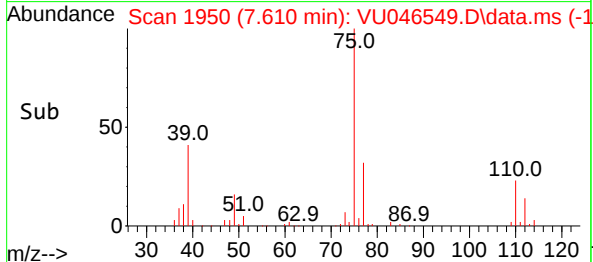
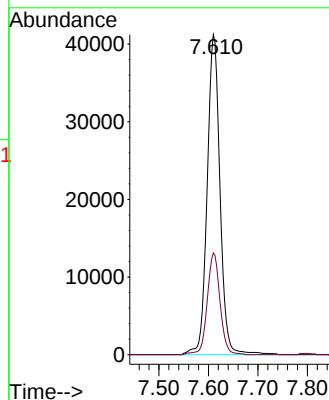
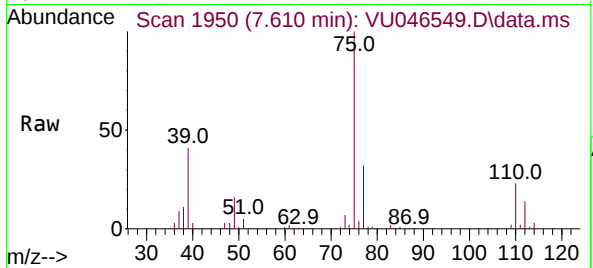
ClientSampleId :

Tgt Ion: 75 Resp: 74131

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 52.972 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

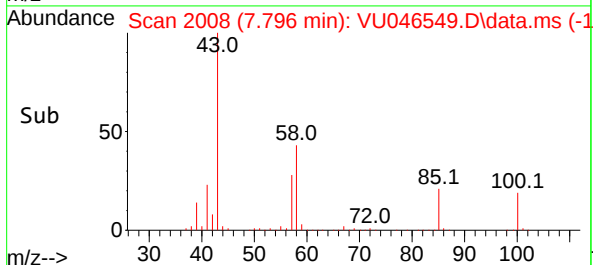
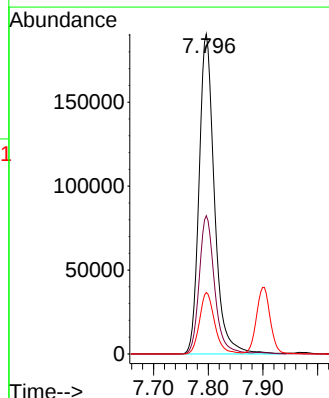
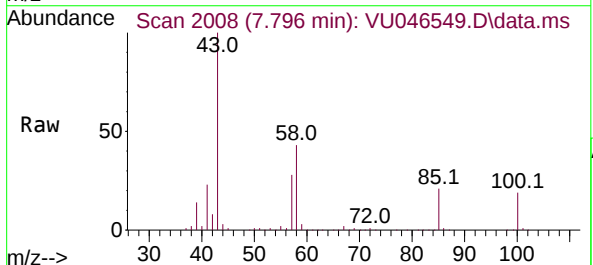
Tgt Ion: 43 Resp: 370781

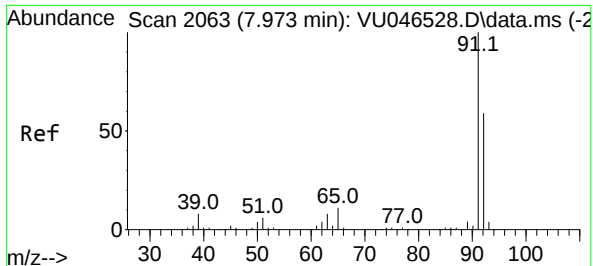
Ion Ratio Lower Upper

43 100

58 43.3 33.1 49.7

100 19.1 13.2 19.8

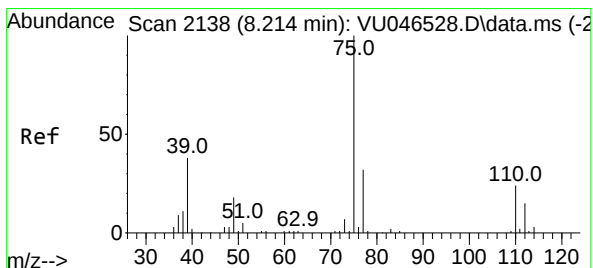
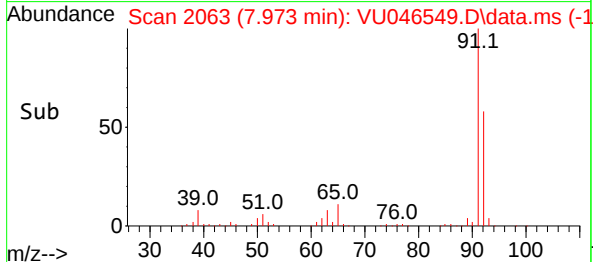
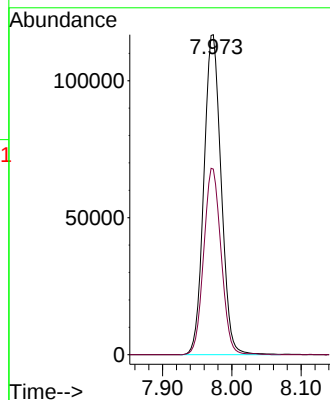
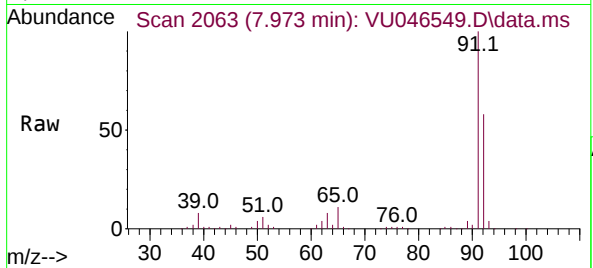




#42
Toluene
Concen: 5.376 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

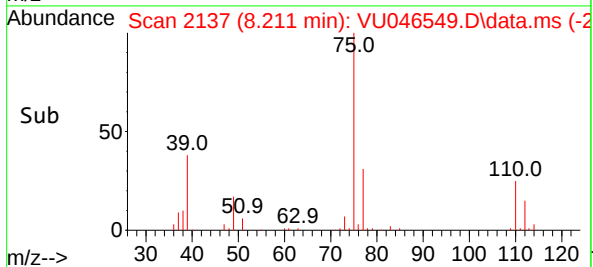
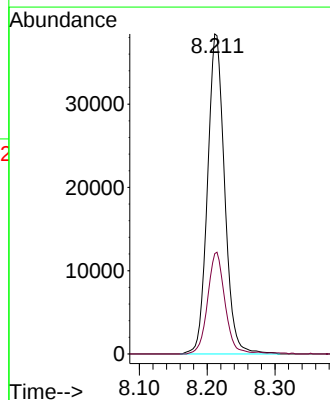
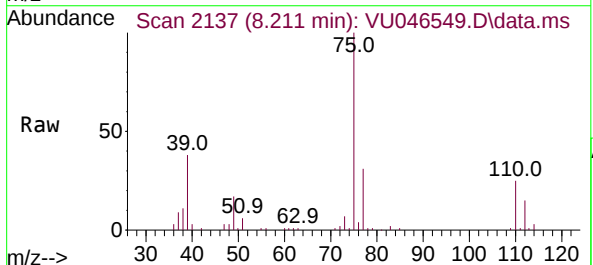
Instrument :
MSVOA_U
ClientSampleId :

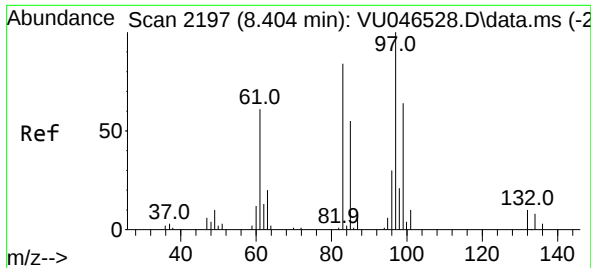
Tgt Ion: 91 Resp: 201697
Ion Ratio Lower Upper
91 100
92 58.0 41.3 76.7



#44
trans-1,3-Dichloropropene
Concen: 5.137 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion: 75 Resp: 67190
Ion Ratio Lower Upper
75 100
77 31.4 22.7 42.3

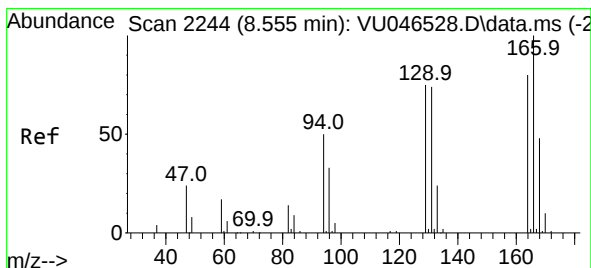
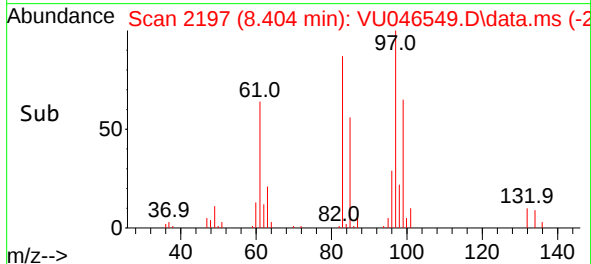
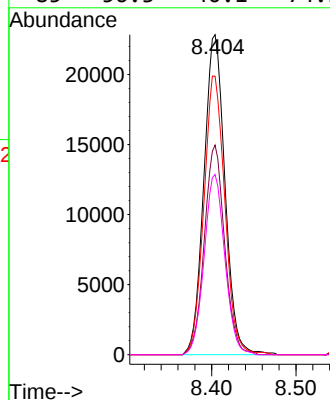
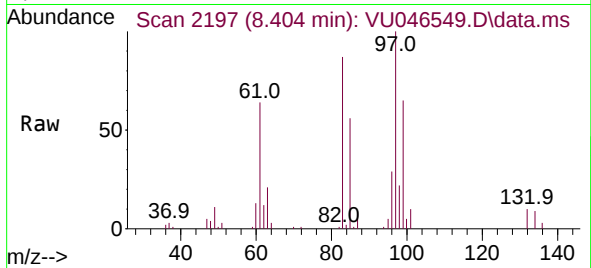




#45
1,1,2-Trichloroethane
Concen: 4.954 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

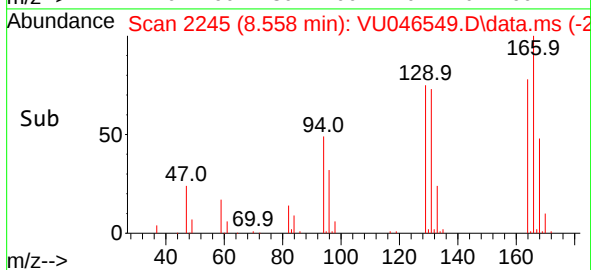
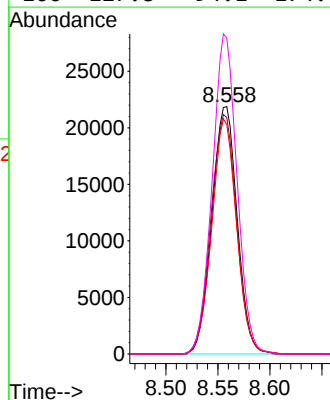
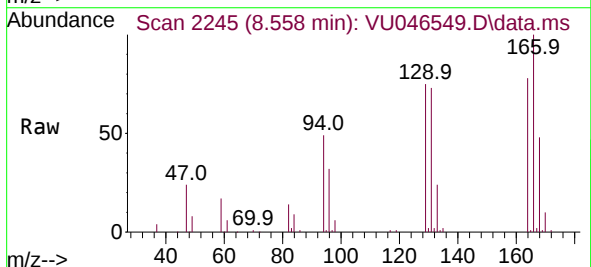
Instrument :
MSVOA_U
ClientSampleId :

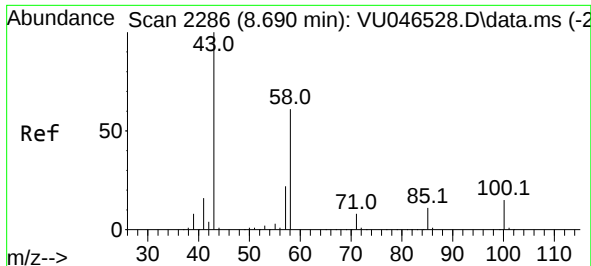
Tgt Ion:	97	Resp:	39835
Ion	Ratio	Lower	Upper
97	100		
99	65.5	42.3	78.5
83	87.0	62.0	115.2
85	56.3	40.1	74.5



#47
Tetrachloroethene
Concen: 5.444 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion:	164	Resp:	37124
Ion	Ratio	Lower	Upper
164	100		
129	95.6	71.8	133.4
131	92.7	68.5	127.3
166	127.8	94.1	174.8

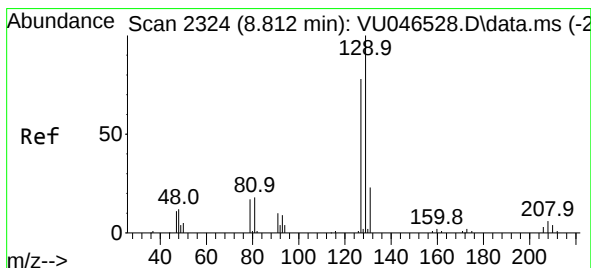
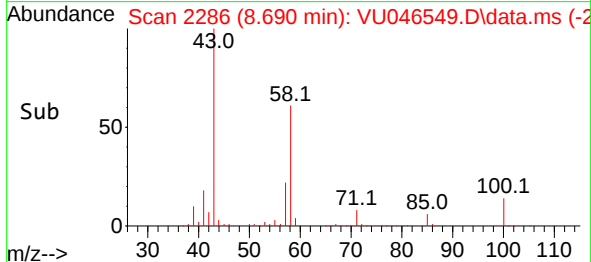
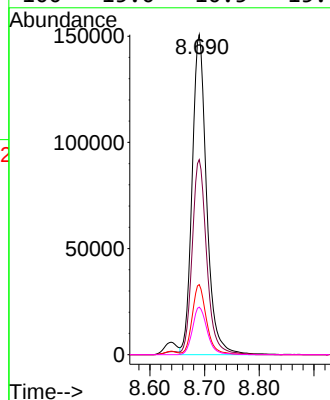
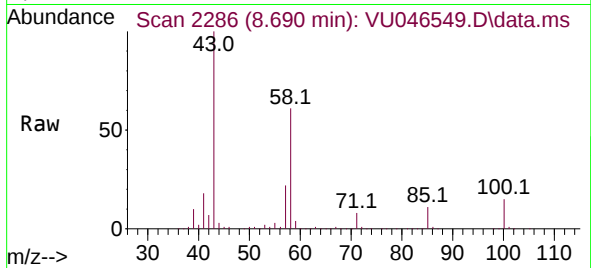




#48
2-Hexanone
Concen: 53.148 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

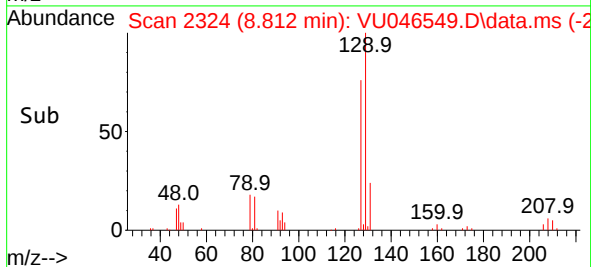
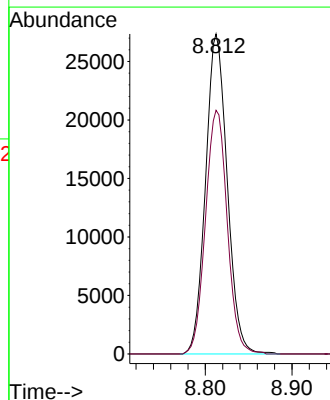
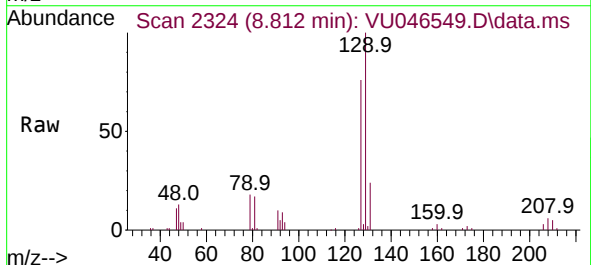
Instrument :
MSVOA_U
ClientSampleId :

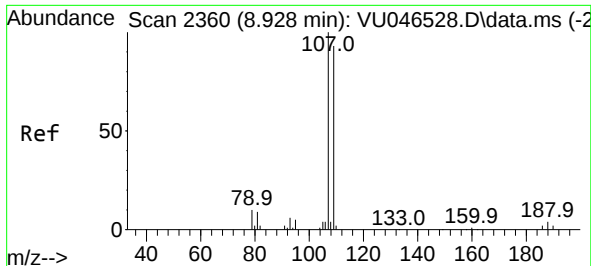
Tgt Ion: 43 Resp: 277824
Ion Ratio Lower Upper
43 100
58 60.6 46.7 70.1
57 21.3 16.3 24.5
100 15.0 10.5 15.7



#49
Dibromochloromethane
Concen: 5.121 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion: 129 Resp: 47504
Ion Ratio Lower Upper
129 100
127 76.2 55.4 102.8





#50

1,2-Dibromoethane

Concen: 5.109 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU046549.D

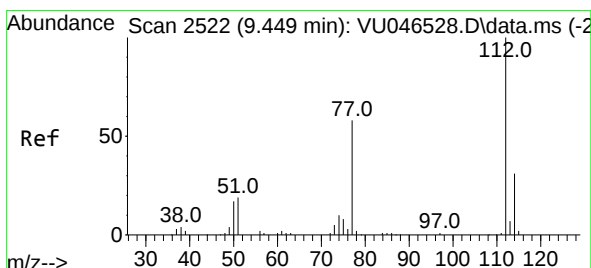
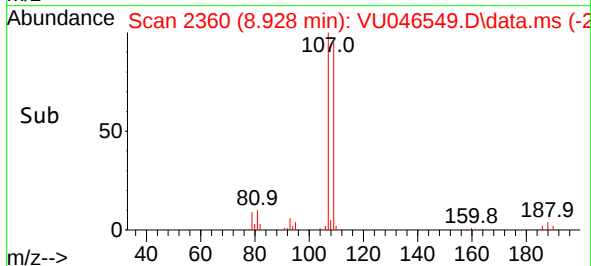
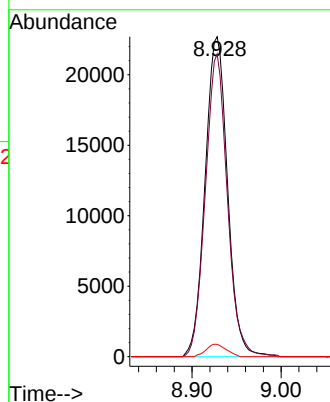
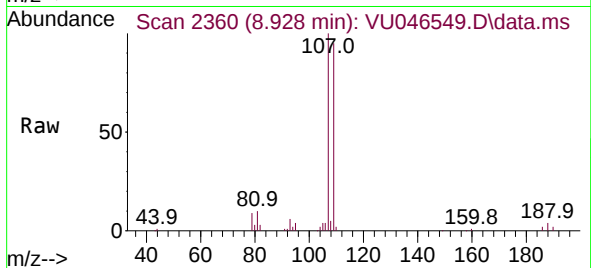
Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	39658
Ion Ratio	Lower	Upper
107	100	
109	94.6	64.0 119.0
188	3.8	2.4 3.6#



#51

Chlorobenzene

Concen: 5.182 ug/L

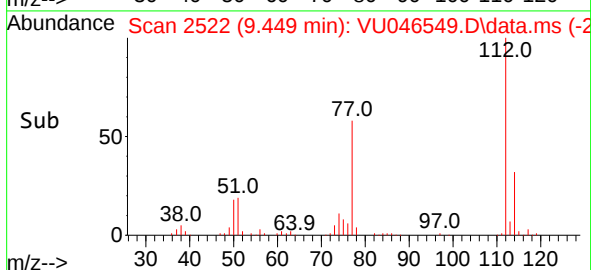
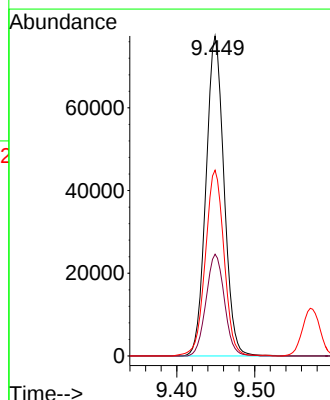
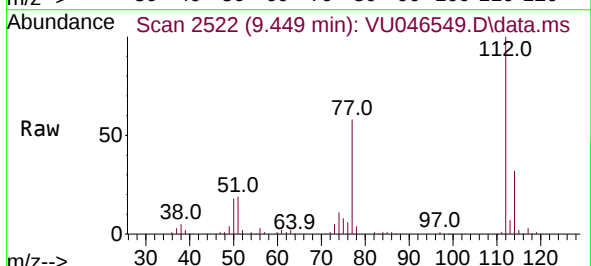
RT: 9.449 min Scan# 2522

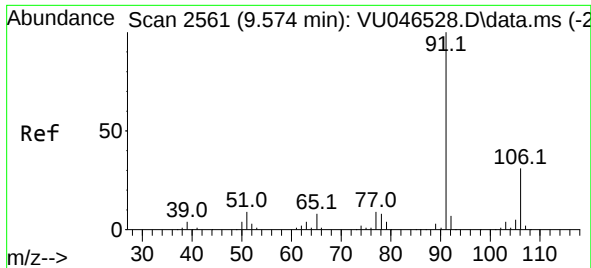
Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Tgt Ion:112	Resp:	124298
Ion Ratio	Lower	Upper
112	100	
114	31.8	22.1 41.1
77	58.1	48.3 72.5

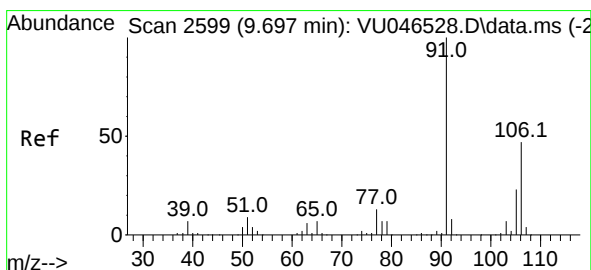
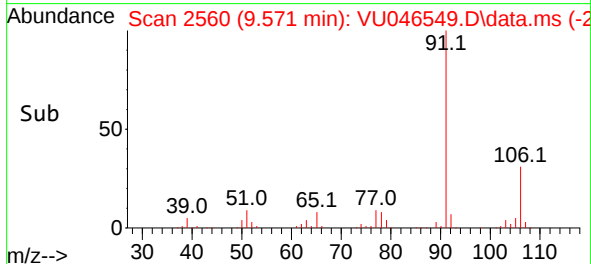
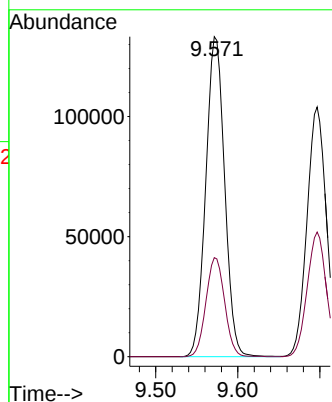
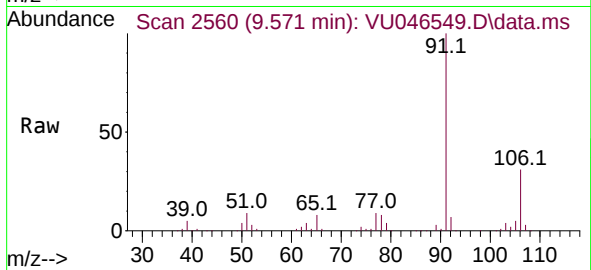




#52
Ethylbenzene
Concen: 5.467 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

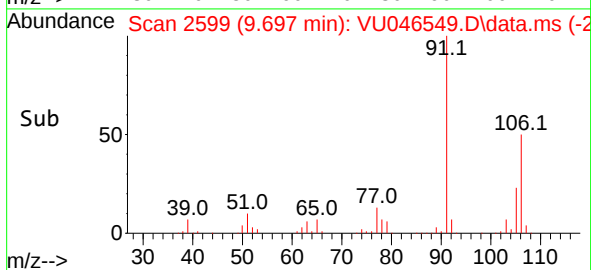
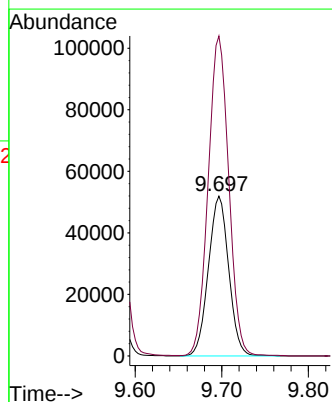
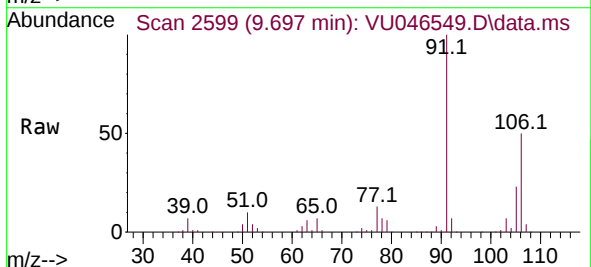
Instrument :
MSVOA_U
ClientSampleId :

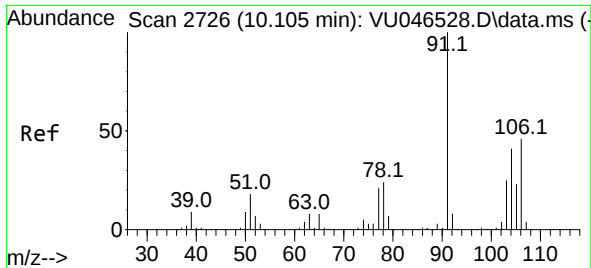
Tgt Ion: 91 Resp: 212348
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#53
m,p-Xylene
Concen: 5.687 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion:106 Resp: 84622
Ion Ratio Lower Upper
106 100
91 200.3 139.4 259.0

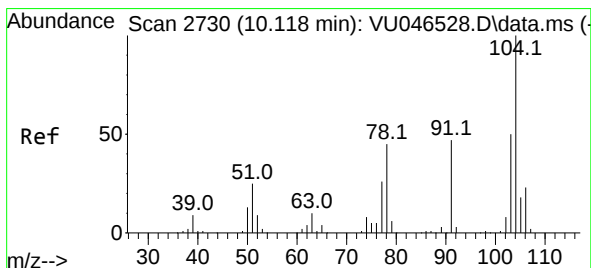
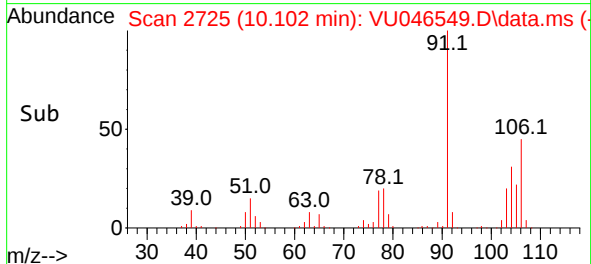
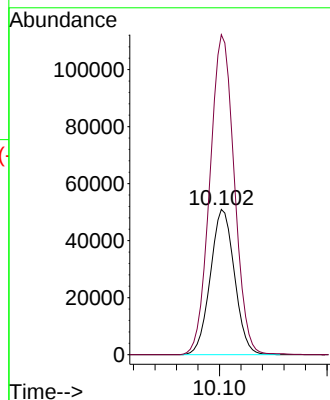
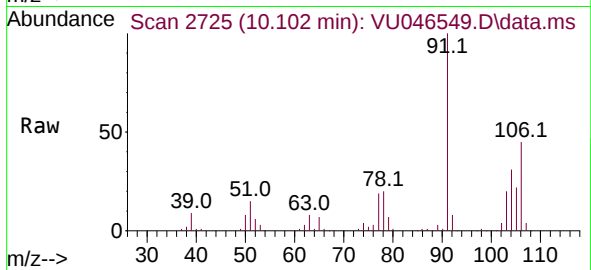




#54
o-Xylene
Concen: 5.552 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

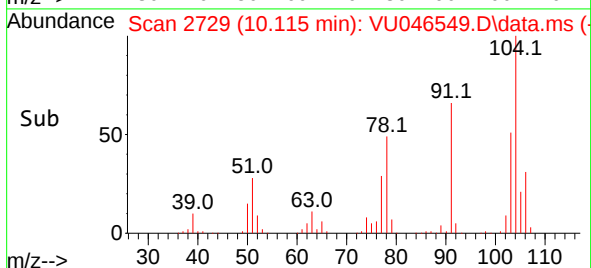
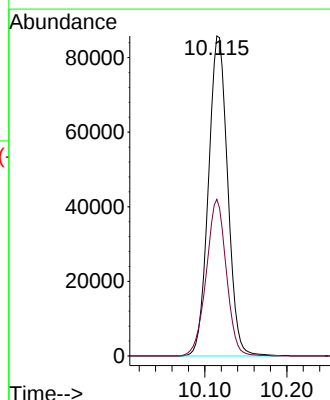
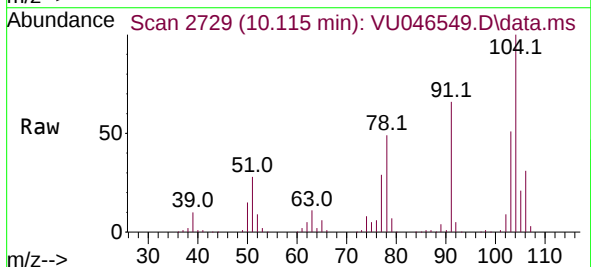
Instrument :
MSVOA_U
ClientSampleId :

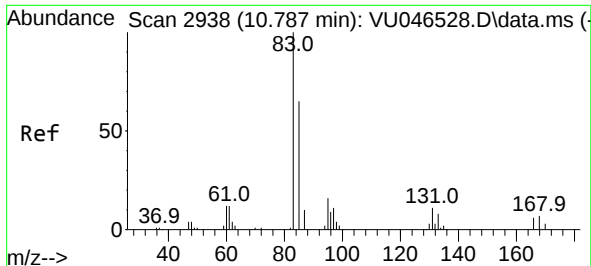
Tgt Ion:106 Resp: 79384
Ion Ratio Lower Upper
106 100
91 220.3 147.5 273.9



#55
Styrene
Concen: 5.650 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion:104 Resp: 140117
Ion Ratio Lower Upper
104 100
78 48.9 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.042 ug/L

RT: 10.783 min Scan# 2938

Delta R.T. -0.003 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

ClientSampleId :

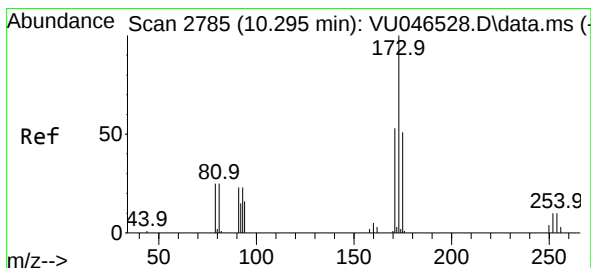
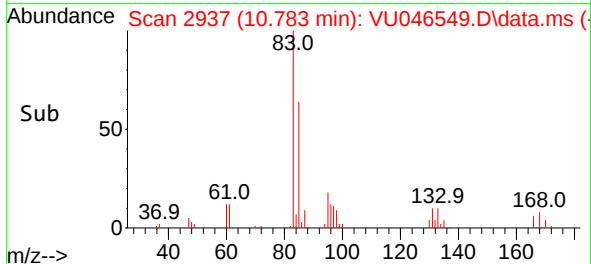
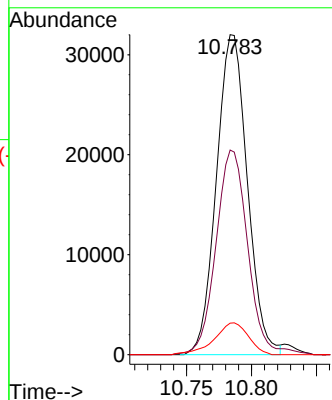
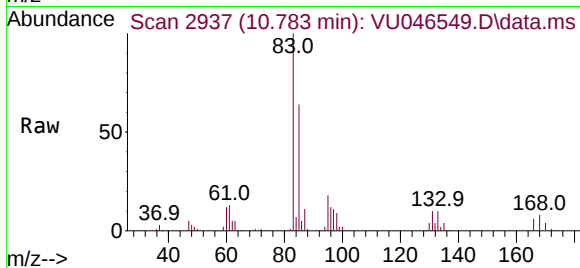
Tgt Ion: 83 Resp: 52980

Ion Ratio Lower Upper

83 100

85 63.9 47.9 89.1

131 9.8 8.1 12.1



#59

Bromoform

Concen: 5.078 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

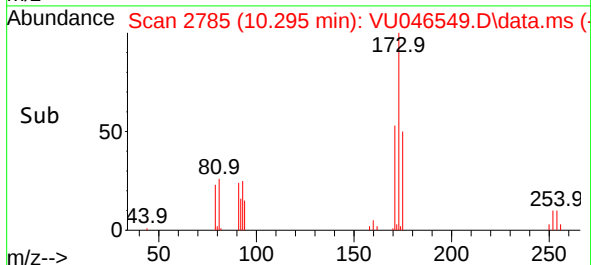
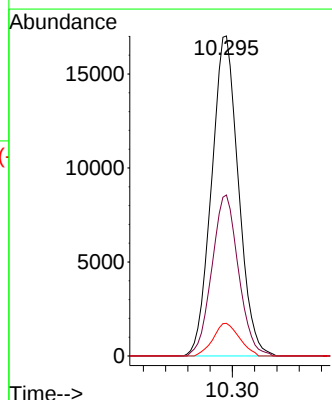
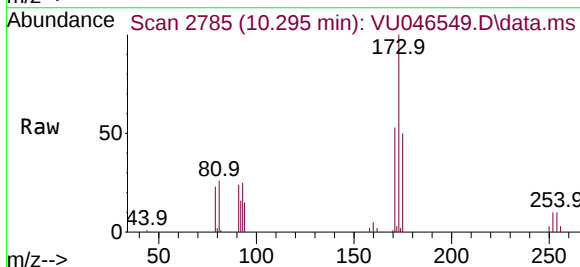
Tgt Ion:173 Resp: 28520

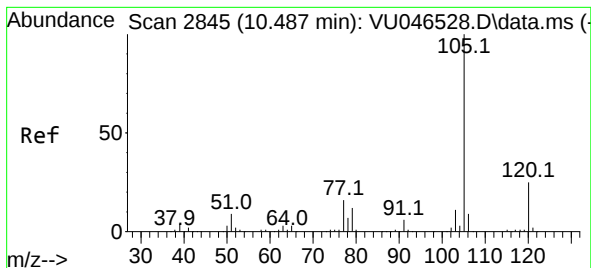
Ion Ratio Lower Upper

173 100

175 49.8 37.8 56.6

254 9.9 7.3 10.9





#60

Isopropylbenzene

Concen: 5.682 ug/L

RT: 10.488 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

ClientSampleId :

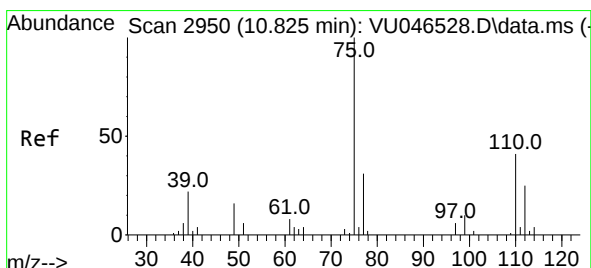
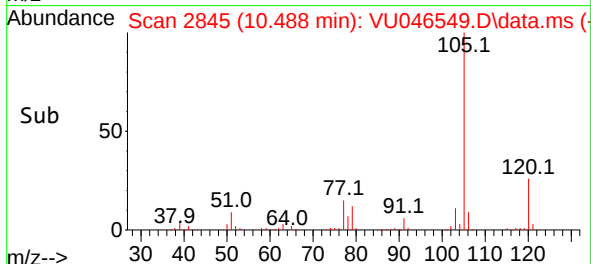
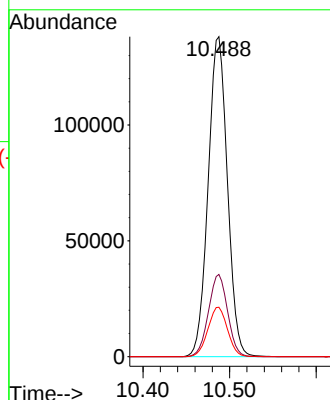
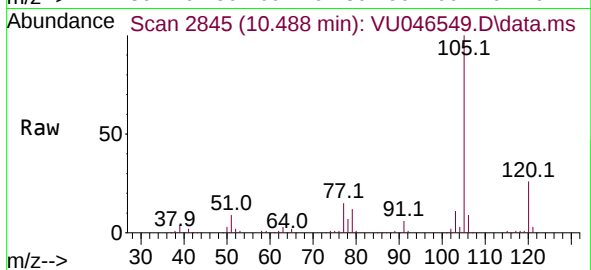
Tgt Ion:105 Resp: 213019

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

77 15.7 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.062 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

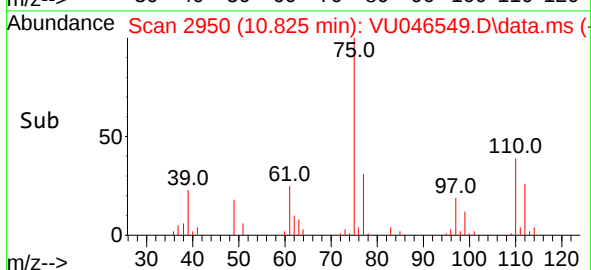
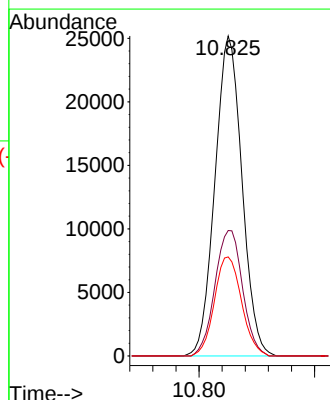
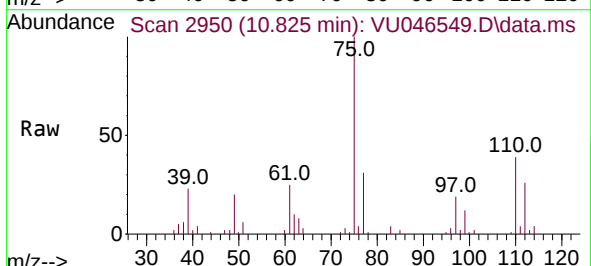
Tgt Ion: 75 Resp: 40867

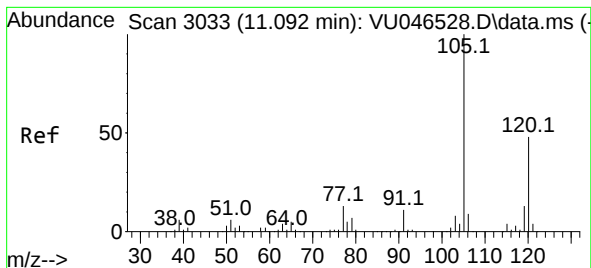
Ion Ratio Lower Upper

75 100

110 40.0 29.9 44.9

77 31.1 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.706 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

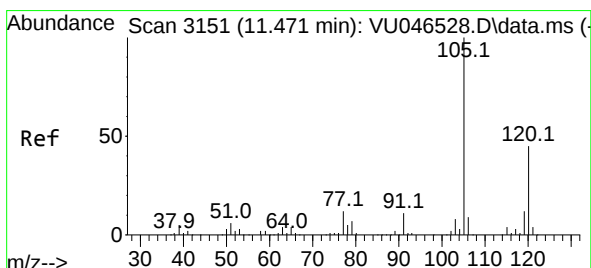
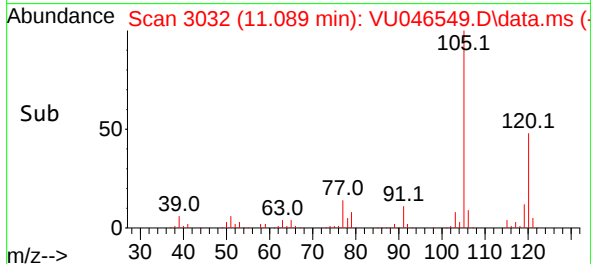
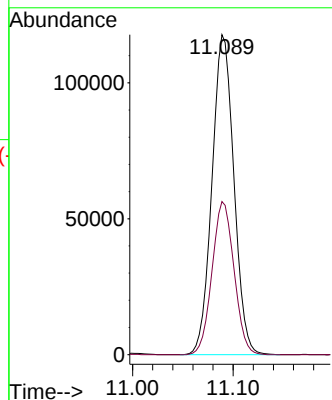
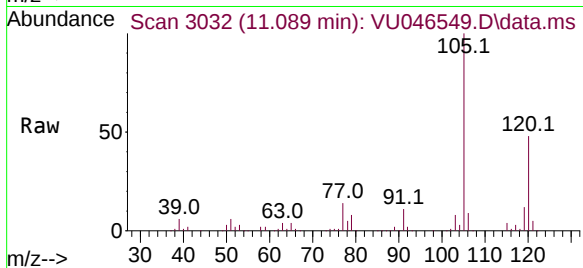
ClientSampleId :

Tgt Ion:105 Resp: 177894

Ion Ratio Lower Upper

105 100

120 48.0 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 5.805 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046549.D

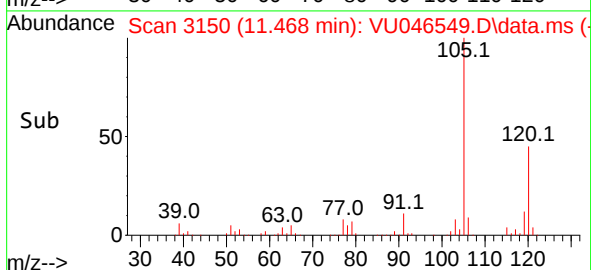
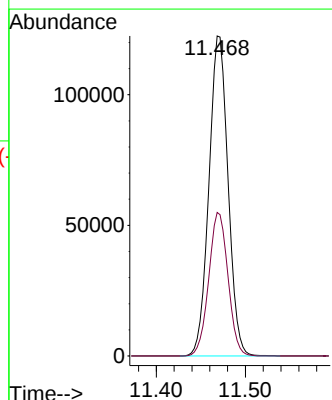
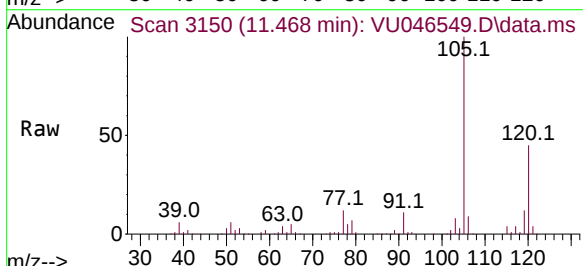
Acq: 22 Dec 2021 11:09

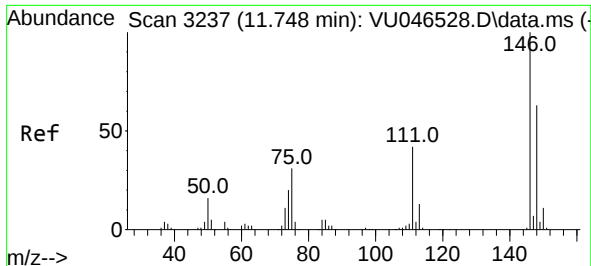
Tgt Ion:105 Resp: 182261

Ion Ratio Lower Upper

105 100

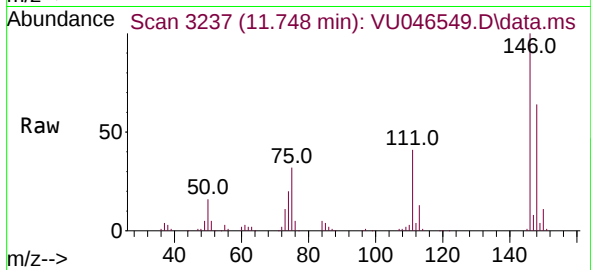
120 45.1 35.8 53.8



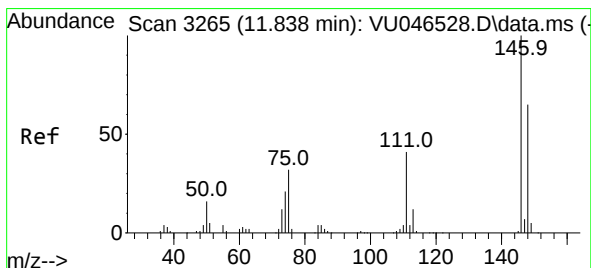
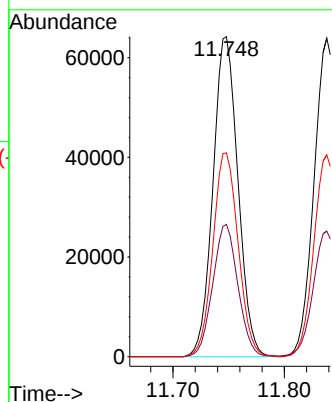
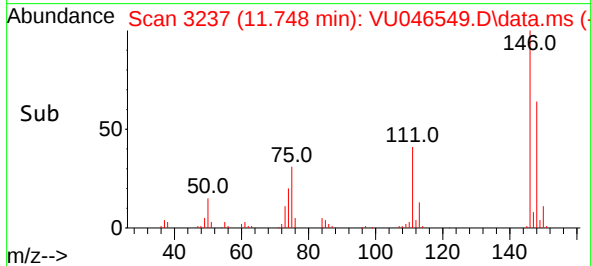


#64
1,3-Dichlorobenzene
Concen: 5.489 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

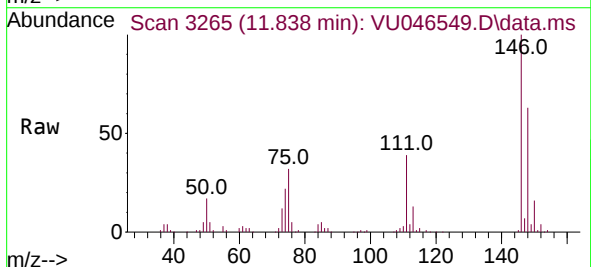
Instrument :
MSVOA_U
ClientSampleId :



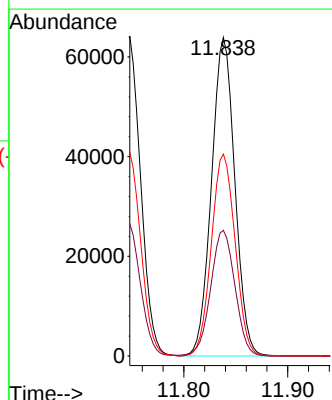
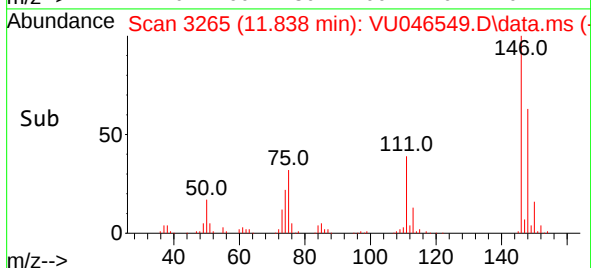
Tgt Ion:146 Resp: 100038
Ion Ratio Lower Upper
146 100
111 41.3 29.9 55.5
148 63.7 44.3 82.3

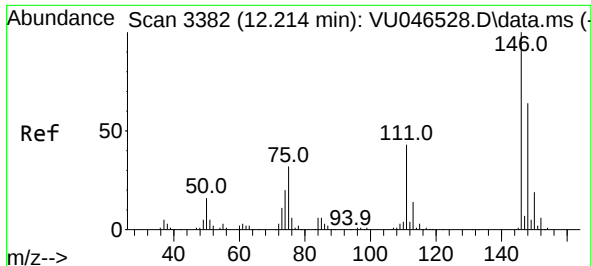


#65
1,4-Dichlorobenzene
Concen: 5.352 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09



Tgt Ion:146 Resp: 99850
Ion Ratio Lower Upper
146 100
111 39.4 28.7 53.3
148 63.4 45.8 85.0

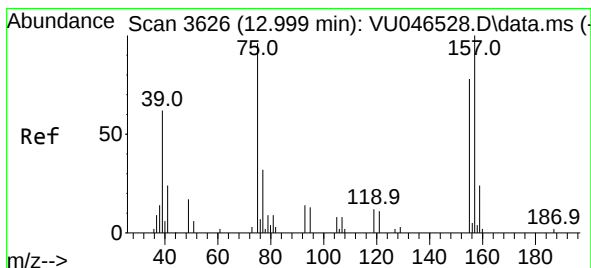
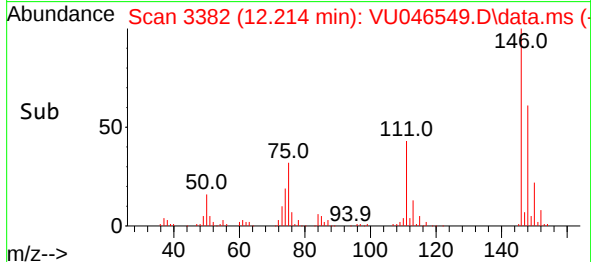
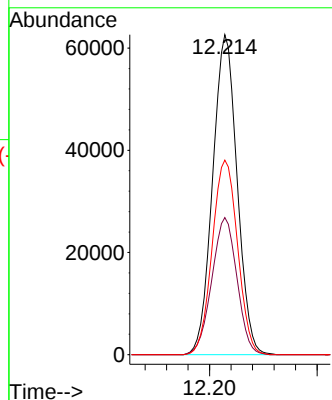
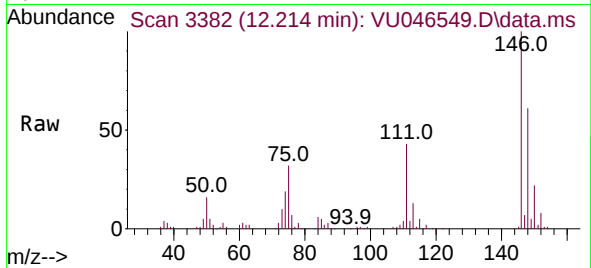




#67
1,2-Dichlorobenzene
Concen: 5.417 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

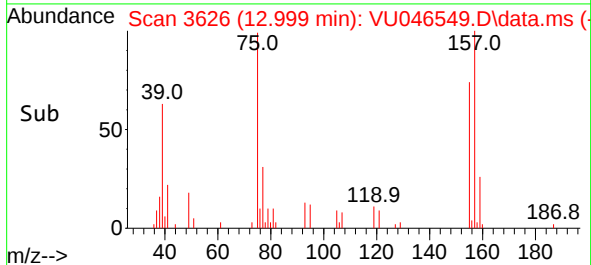
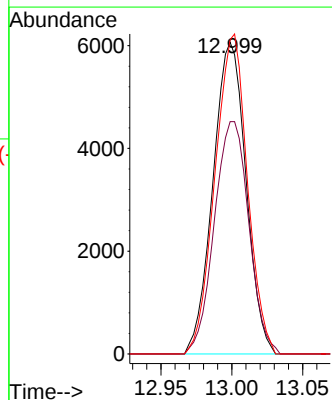
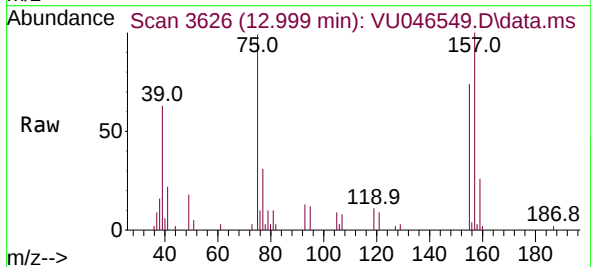
Instrument :
MSVOA_U
ClientSampleId :

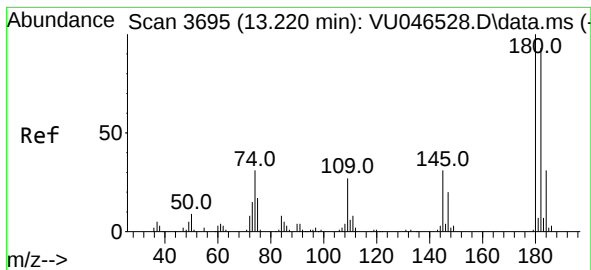
Tgt Ion:146 Resp: 99019
Ion Ratio Lower Upper
146 100
111 42.9 35.4 53.0
148 60.8 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.261 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion: 75 Resp: 9832
Ion Ratio Lower Upper
75 100
155 74.5 59.2 88.8
157 100.8 76.5 114.7





#69

1,3,5-Trichlorobenzene

Concen: 5.521 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 76145

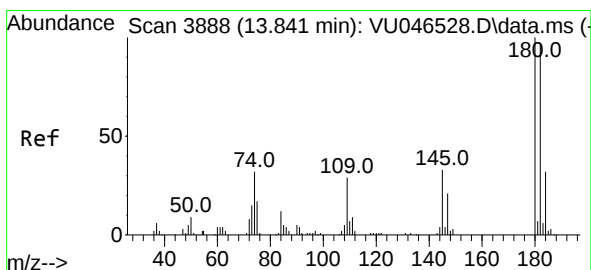
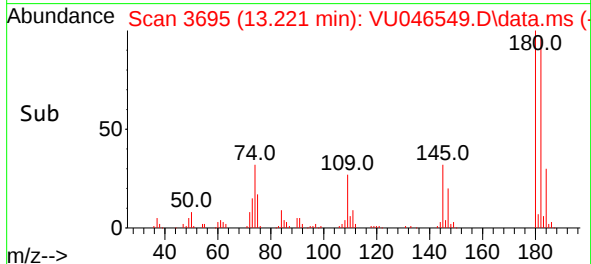
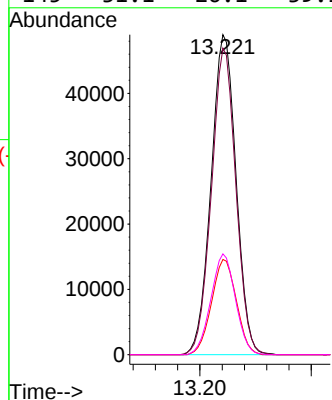
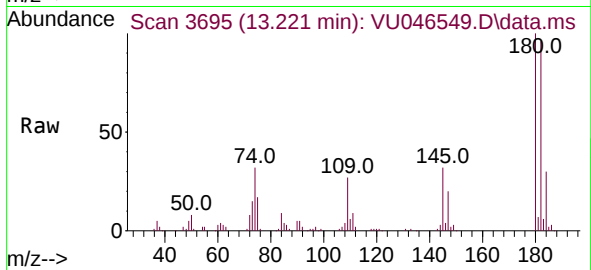
Ion Ratio Lower Upper

180 100

182 93.8 76.1 114.1

184 29.7 25.0 37.4

145 31.1 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 5.521 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU046549.D

Acq: 22 Dec 2021 11:09

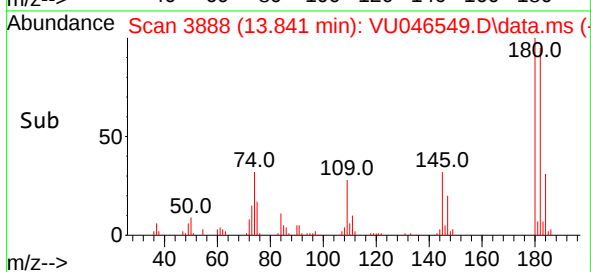
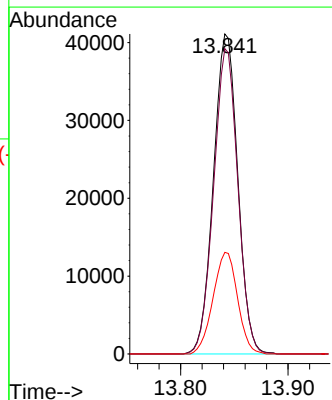
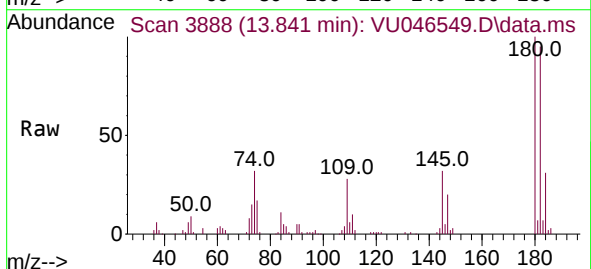
Tgt Ion:180 Resp: 64492

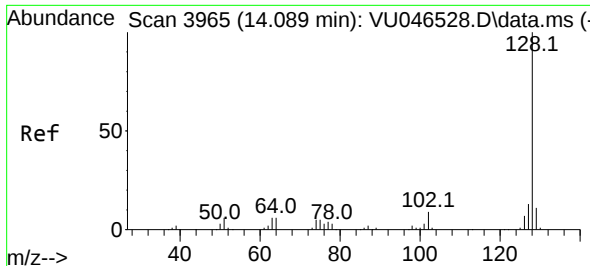
Ion Ratio Lower Upper

180 100

182 95.0 76.4 114.6

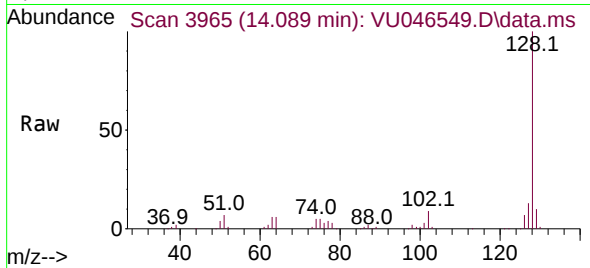
145 32.0 25.6 38.4



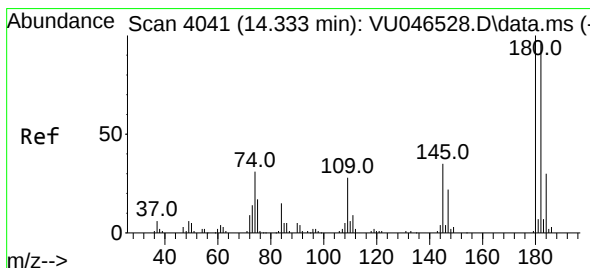
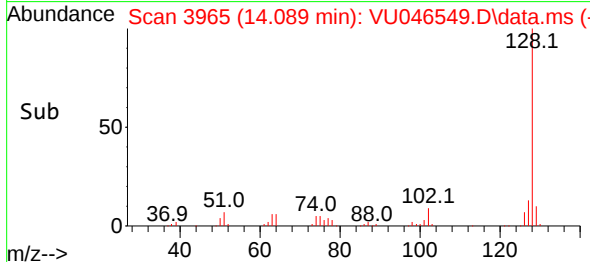
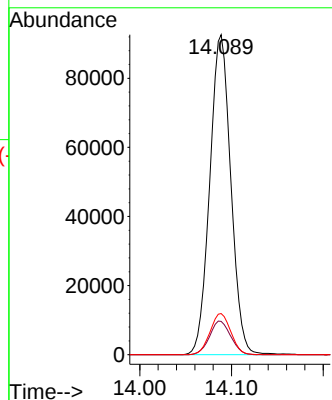


#71
Naphthalene
Concen: 5.696 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 147788
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.7 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.554 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU046549.D
Acq: 22 Dec 2021 11:09

Tgt Ion:180 Resp: 64231
Ion Ratio Lower Upper
180 100
182 96.9 76.2 114.4
145 33.0 28.4 42.6

