

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
 Data File : VU046545.D
 Acq On : 22 Dec 2021 00:09
 Operator : SY/MD
 Sample : M5149-06MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 05:48:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 21 14:35:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	92742	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	89960	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	45899	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	32379	4.432	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.919	69	26096	4.537	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.575	65	13888	4.509	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	4.655	46	111041	52.404	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.800%
24) Chloroform-d	5.070	84	61886	4.623	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.706	65	36201	4.731	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.729	84	118320	4.718	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.694	67	35434	4.702	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.899	98	108051	4.747	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	8.179	79	16441	4.717	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.400%
46) 2-Hexanone-d5	8.639	63	108734	53.140	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.280%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	37360	4.831	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	42748	5.056	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	73077	5.150	ug/L	100
3) Chloromethane	1.523	50	56354	4.611	ug/L	100
5) Vinyl chloride	1.610	62	56891	4.728	ug/L	100
6) Bromomethane	1.864	94	31028	4.284	ug/L	100
8) Chloroethane	1.941	64	32509	4.602	ug/L	97
9) Trichlorofluoromethane	2.147	101	77600	4.931	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	41726	5.208	ug/L	97
12) 1,1-Dichloroethene	2.588	96	39229	4.809	ug/L #	79
13) Acetone	2.681	43	25801	12.987	ug/L #	1
14) Carbon disulfide	2.800	76	128994	4.841	ug/L	99
15) Methyl Acetate	2.967	43	16942	4.222	ug/L	95
16) Methylene chloride	3.054	84	43034	4.335	ug/L	96
17) Methyl tert-butyl Ether	3.369	73	114382	4.806	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	41987	4.824	ug/L	94
19) 1,1-Dichloroethane	3.877	63	73934	4.611	ug/L	98
21) 2-Butanone	4.732	43	146221	48.513	ug/L	99
22) cis-1,2-Dichloroethene	4.674	96	54407	5.719	ug/L	95
23) Bromochloromethane	4.980	128	21936	4.633	ug/L	93
25) Chloroform	5.092	83	79146	4.570	ug/L	96

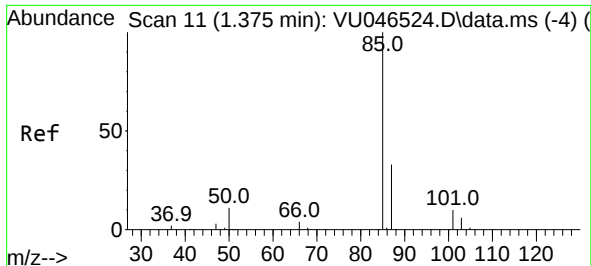
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 21 14:35:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	57189	4.625	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	71654	4.817	ug/L	97
30) Cyclohexane	5.395	56	72663	5.905	ug/L	95
31) Carbon tetrachloride	5.530	117	61971	4.965	ug/L	99
33) Benzene	5.777	78	170278	4.764	ug/L	100
34) Trichloroethene	6.546	95	98710	10.476	ug/L	97
35) Methylcyclohexane	6.767	83	72273	5.440	ug/L	96
37) 1,2-Dichloropropane	6.793	63	43019	4.718	ug/L	99
38) Bromodichloromethane	7.108	83	58121	4.605	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	66297	4.804	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	328526	48.002	ug/L	95
42) Toluene	7.970	91	187247	5.104	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	60571	4.736	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	36618	4.657	ug/L	98
47) Tetrachloroethene	8.555	164	34616	5.192	ug/L	95
48) 2-Hexanone	8.687	43	247066	48.338	ug/L	97
49) Dibromochloromethane	8.812	129	41885	4.618	ug/L	98
50) 1,2-Dibromoethane	8.925	107	36049	4.750	ug/L	94
51) Chlorobenzene	9.449	112	113728	4.850	ug/L	98
52) Ethylbenzene	9.571	91	197777	5.208	ug/L	100
53) m,p-Xylene	9.697	106	78075	5.367	ug/L	99
54) o-Xylene	10.102	106	75559	5.405	ug/L	98
55) Styrene	10.115	104	127882	5.274	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	49129	4.781	ug/L	97
59) Bromoform	10.291	173	25667	4.840	ug/L	98
60) Isopropylbenzene	10.484	105	200115	5.653	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	36248	4.755	ug/L	96
62) 1,3,5-Trimethylbenzene	11.089	105	167923	5.704	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	173493	5.852	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	91521	5.319	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	91292	5.183	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	89626	5.193	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	8730	4.948	ug/L	93
69) 1,3,5-Trichlorobenzene	13.217	180	69465	5.334	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	60448	5.480	ug/L	100
71) Naphthalene	14.085	128	142846	5.831	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	59610	5.459	ug/L	98

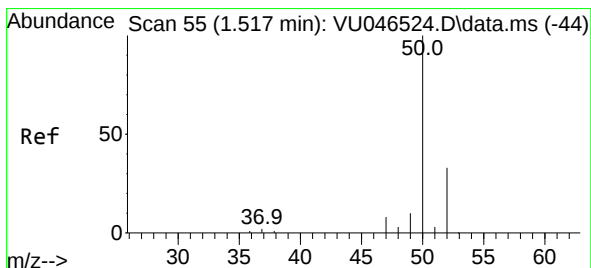
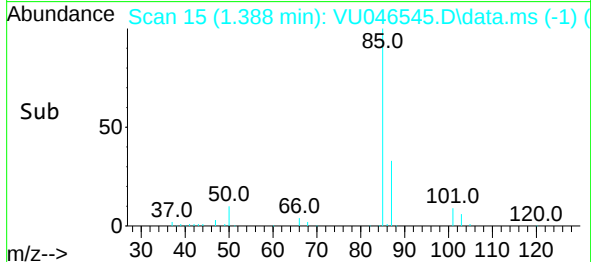
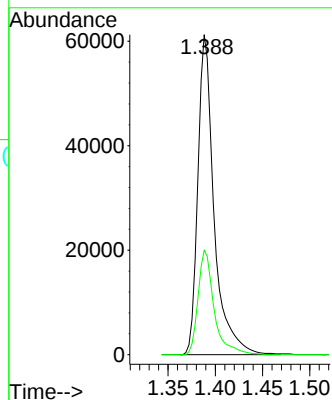
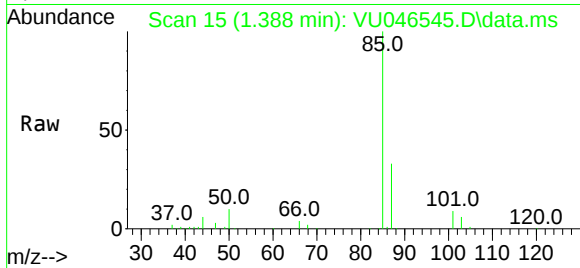
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.150 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

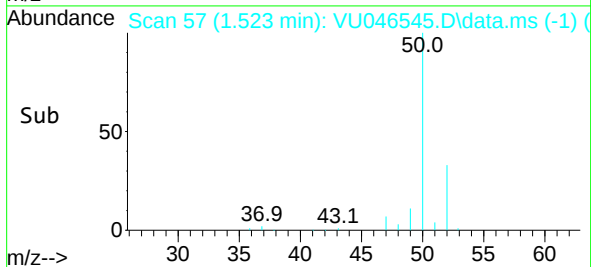
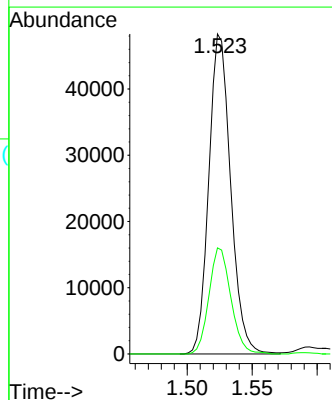
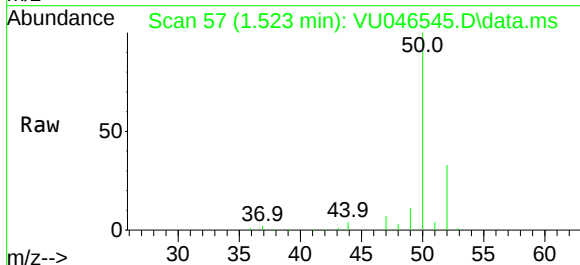
Instrument :
MSVOA_U
ClientSampleId :

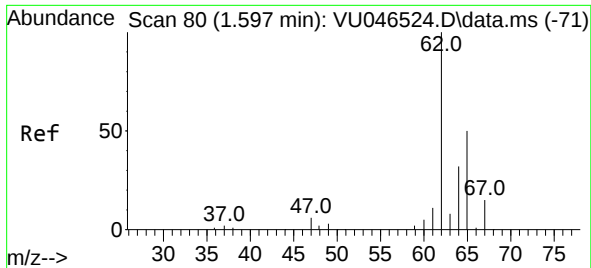
Tgt Ion: 85 Resp: 73077
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.6



#3
Chloromethane
Concen: 4.611 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.006 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 50 Resp: 56354
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.8

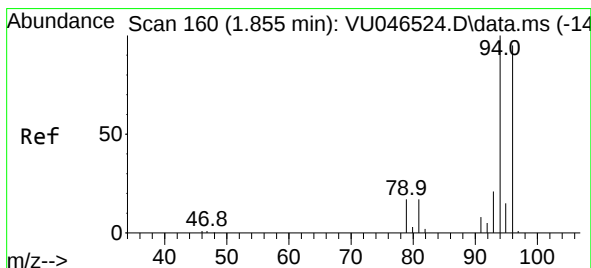
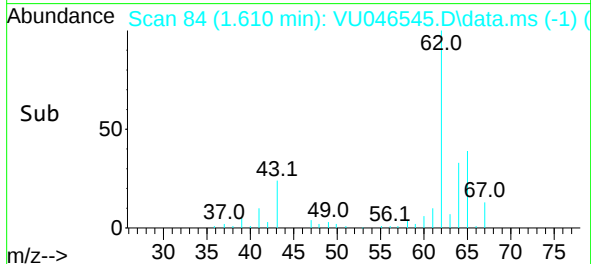
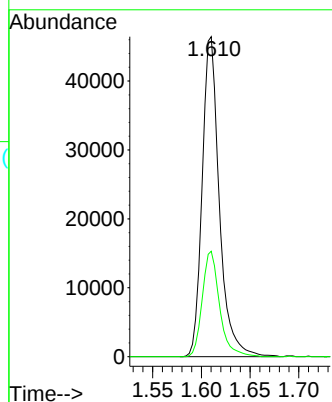
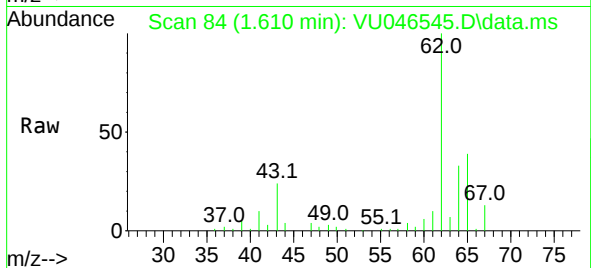




#5
 Vinyl chloride
 Concen: 4.728 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.013 min
 Lab File: VU046545.D
 Acq: 22 Dec 2021 00:09

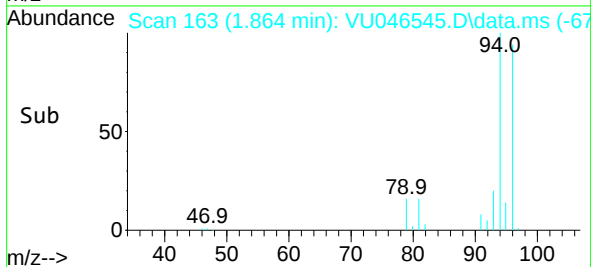
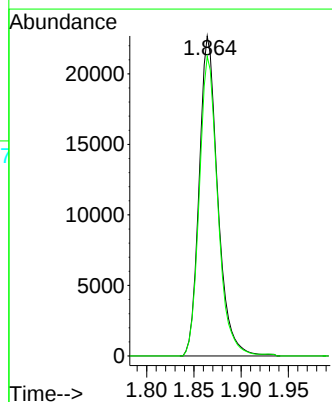
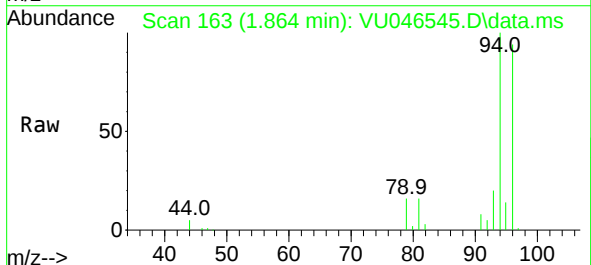
Instrument :
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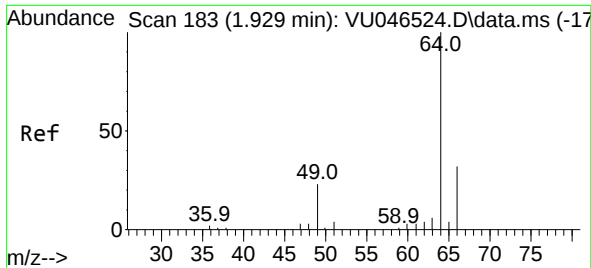
Tgt Ion: 62 Resp: 56891
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.9 42.5



#6
 Bromomethane
 Concen: 4.284 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.010 min
 Lab File: VU046545.D
 Acq: 22 Dec 2021 00:09

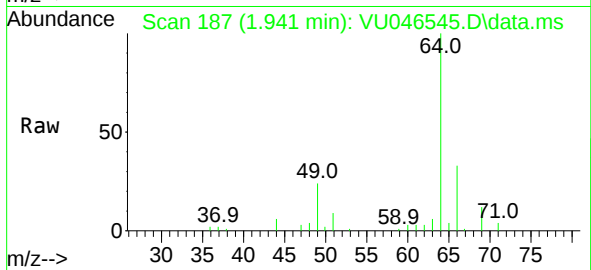
Tgt Ion: 94 Resp: 31028
 Ion Ratio Lower Upper
 94 100
 96 93.6 65.5 121.6



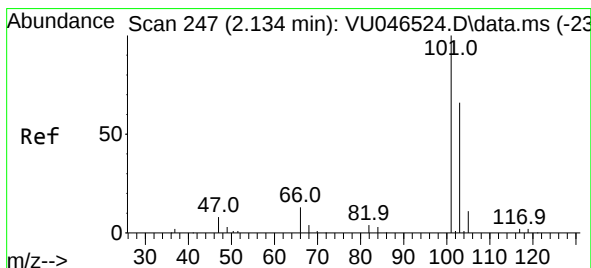
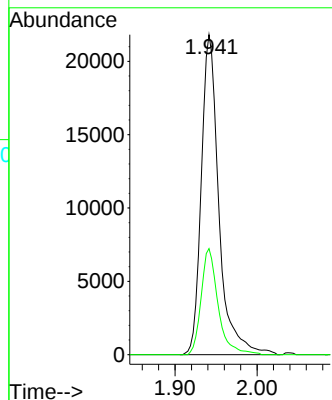
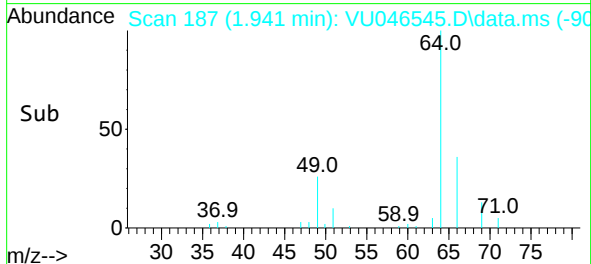


#8
Chloroethane
Concen: 4.602 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Instrument :
MSVOA_U
ClientSampleId :

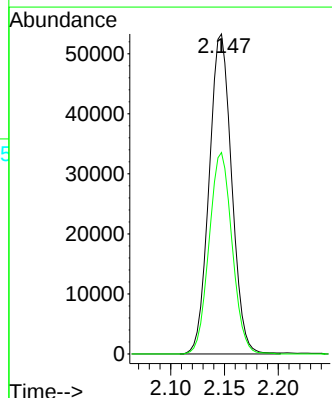
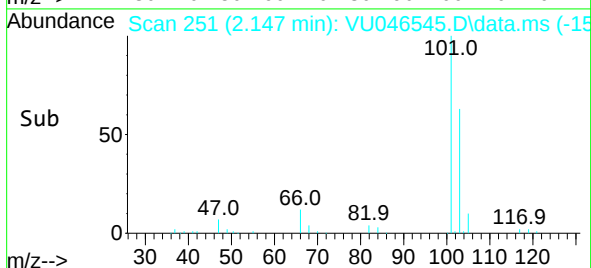
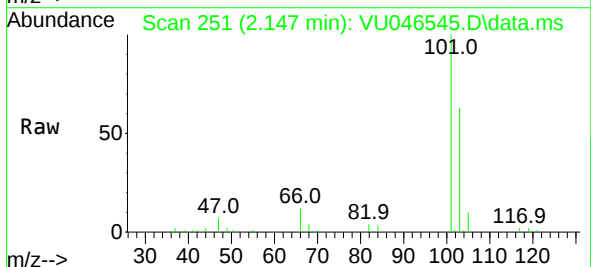


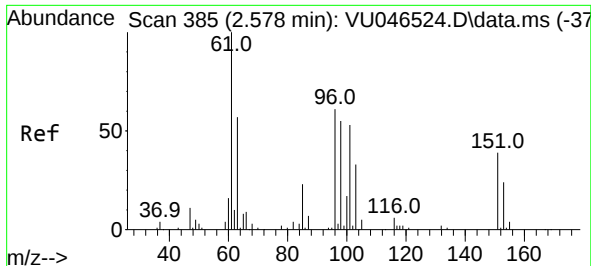
Tgt Ion: 64 Resp: 32509
Ion Ratio Lower Upper
64 100
66 33.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.931 ug/L
RT: 2.147 min Scan# 251
Delta R.T. 0.013 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion:101 Resp: 77600
Ion Ratio Lower Upper
101 100
103 64.2 51.5 77.3

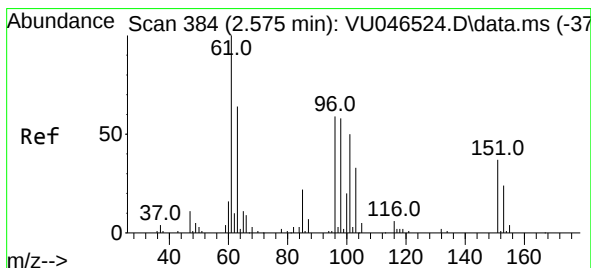
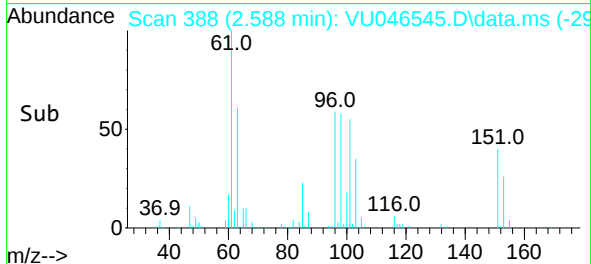
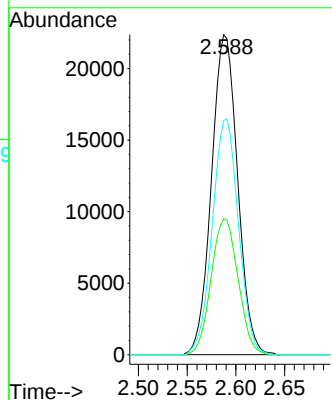
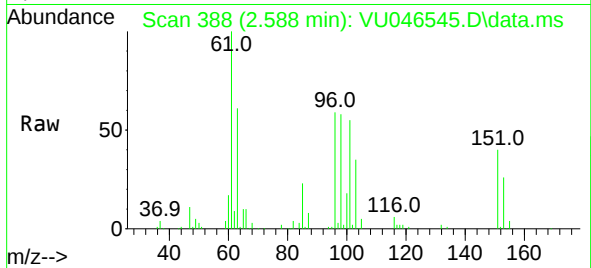




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.208 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.010 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

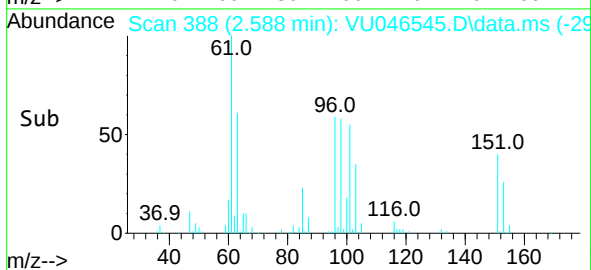
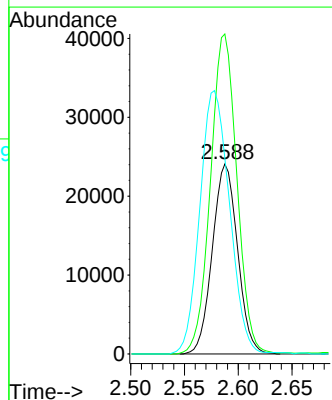
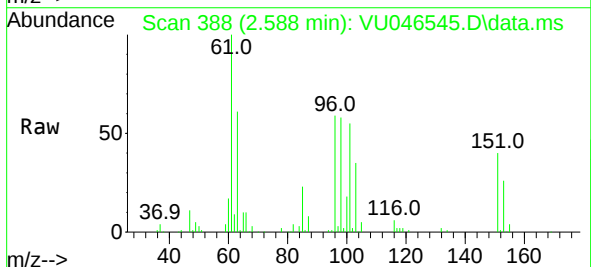
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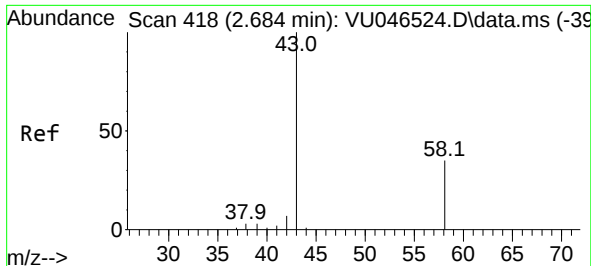
Tgt Ion:101 Resp: 41726
Ion Ratio Lower Upper
101 100
85 43.7 34.6 51.8
151 74.0 56.1 84.1



#12
1,1-Dichloroethene
Concen: 4.809 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.013 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 96 Resp: 39229
Ion Ratio Lower Upper
96 100
61 168.4 124.7 231.5
63 103.0 105.2 195.4#

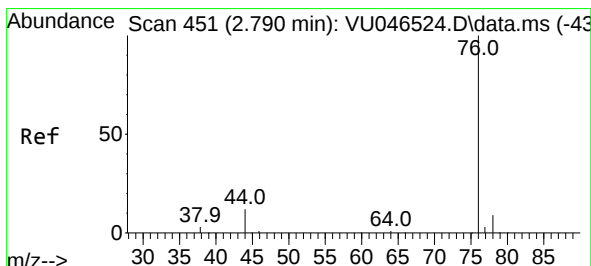
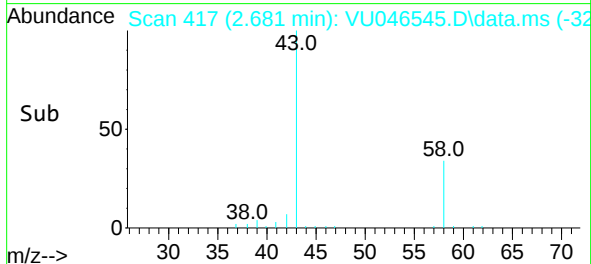
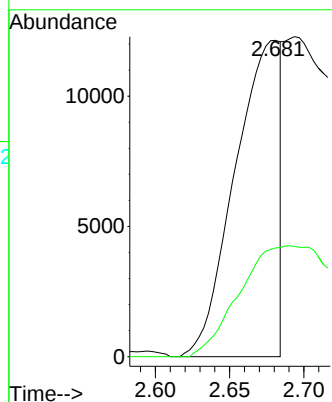
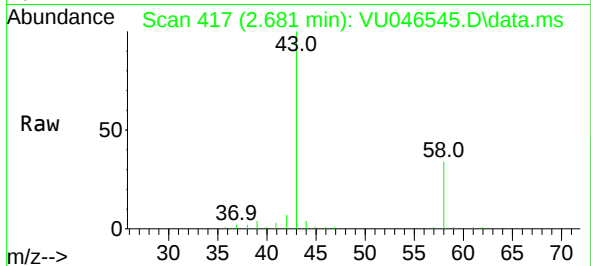




#13
Acetone
Concen: 12.987 ug/L
RT: 2.681 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

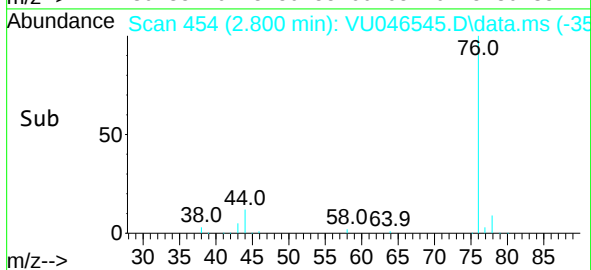
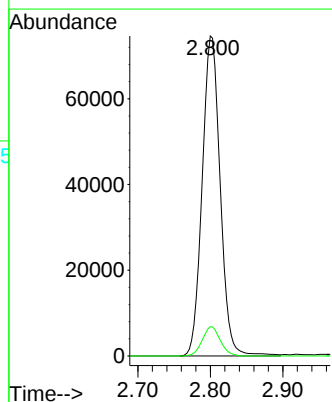
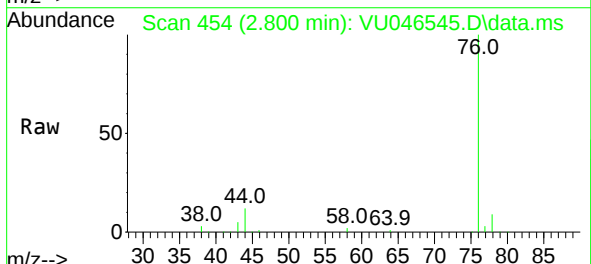
Instrument :
MSVOA_U
ClientSampleId :

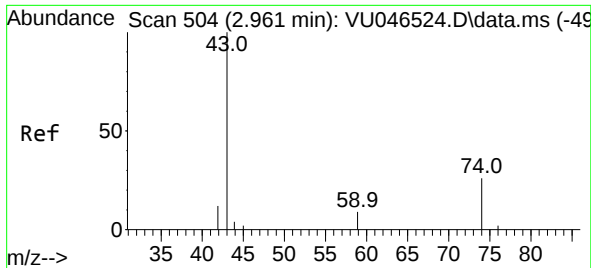
Tgt Ion: 43 Resp: 25801
Ion Ratio Lower Upper
43 100
58 115.7 0.0 71.6#



#14
Carbon disulfide
Concen: 4.841 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.010 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 76 Resp: 128994
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

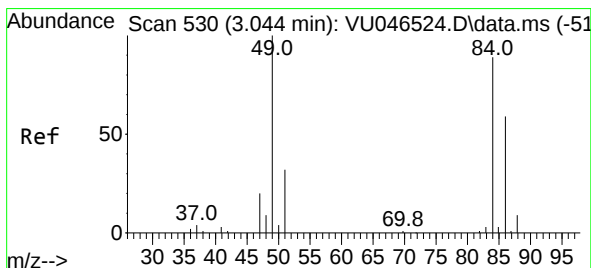
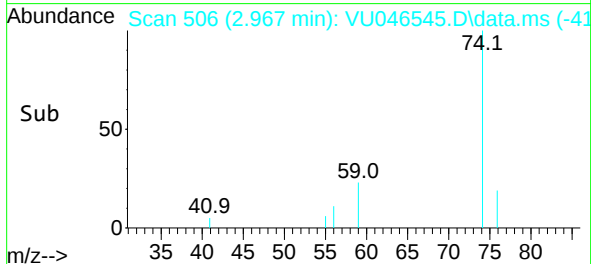
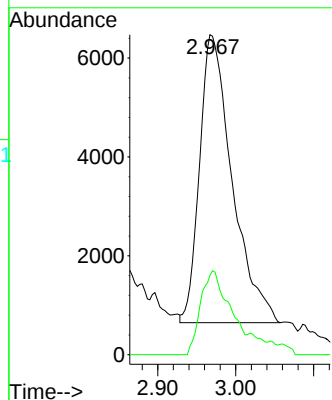
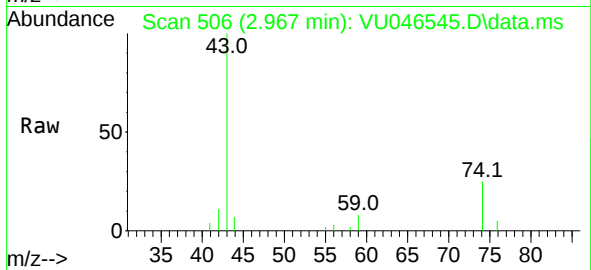




#15
Methyl Acetate
Concen: 4.222 ug/L
RT: 2.967 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

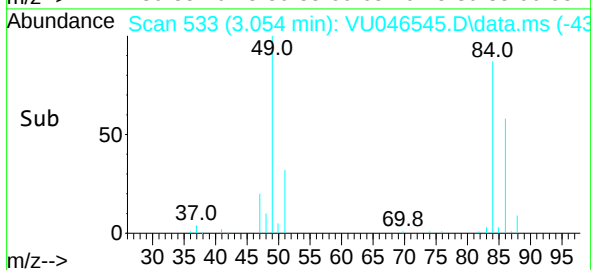
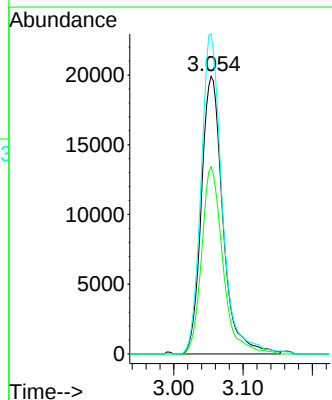
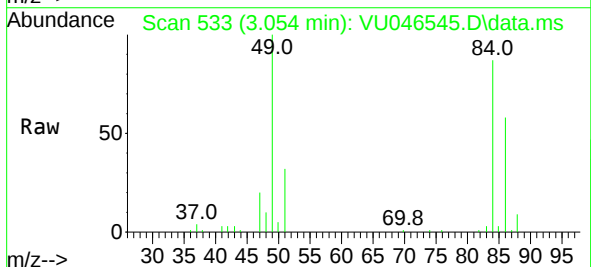
Instrument :
MSVOA_U
ClientSampleId :

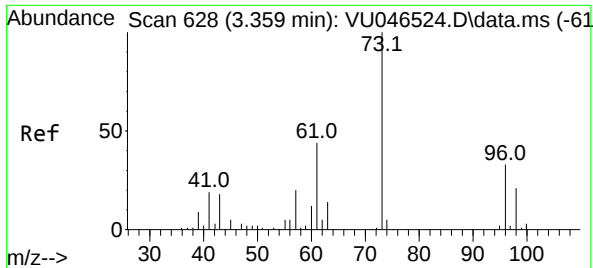
Tgt Ion: 43 Resp: 16942
Ion Ratio Lower Upper
43 100
74 26.3 19.1 28.7



#16
Methylene chloride
Concen: 4.335 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.010 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 84 Resp: 43034
Ion Ratio Lower Upper
84 100
86 67.4 45.8 85.0
49 115.3 84.5 156.9

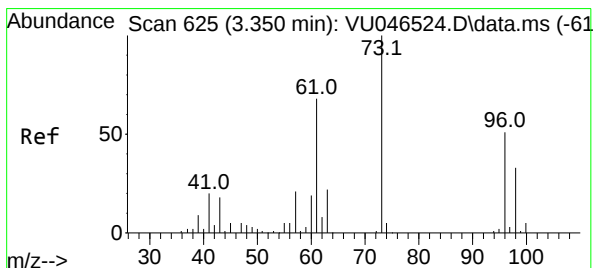
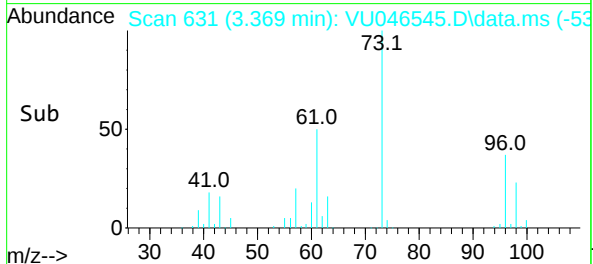
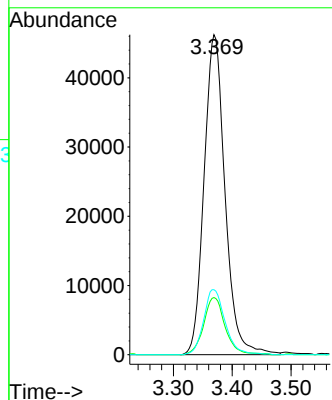
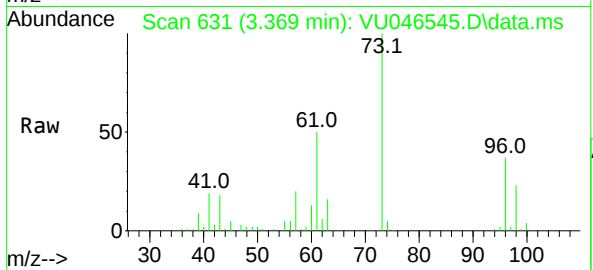




#17
Methyl tert-butyl Ether
Concen: 4.806 ug/L
RT: 3.369 min Scan# 61
Delta R.T. 0.010 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

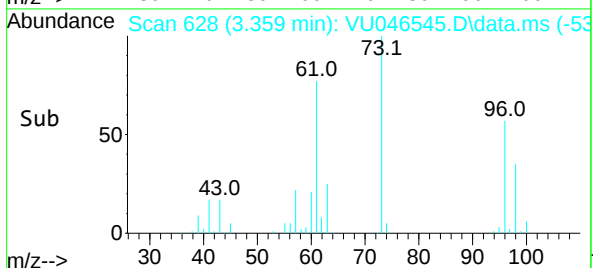
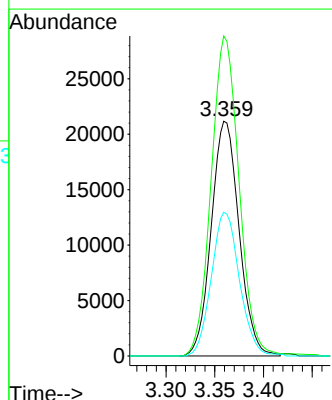
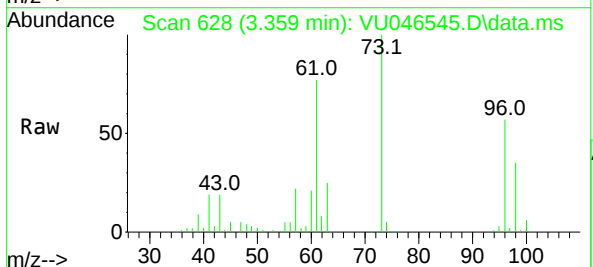
Instrument :
MSVOA_U
ClientSampleId :

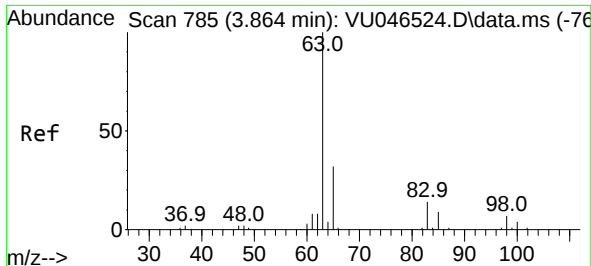
Tgt Ion: 73 Resp: 114382
Ion Ratio Lower Upper
73 100
43 18.3 14.8 22.2
57 20.8 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.824 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.010 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 96 Resp: 41987
Ion Ratio Lower Upper
96 100
61 136.4 100.8 187.2
98 61.3 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.611 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.013 min

Lab File: VU046545.D

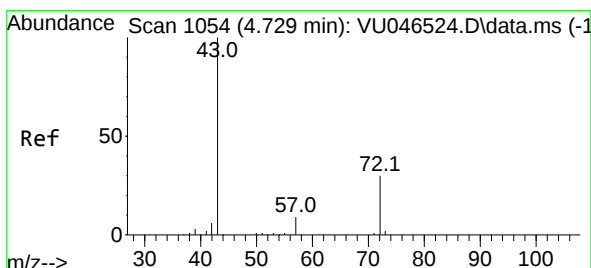
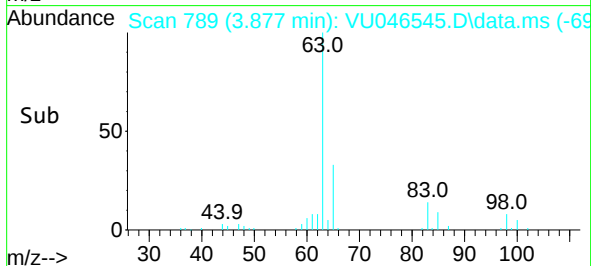
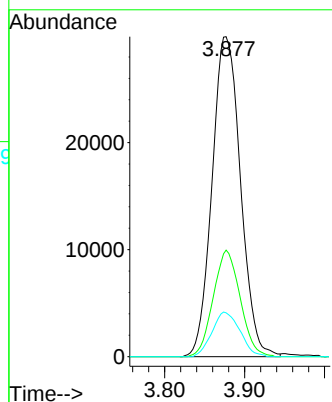
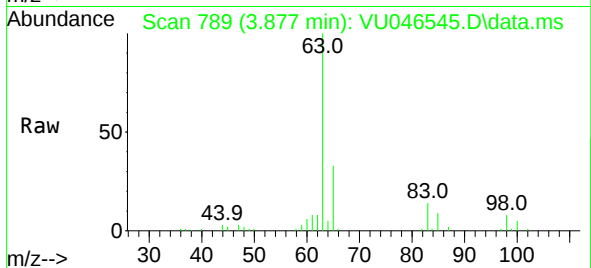
Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	73934
Ion	Ratio	Lower	Upper
63	100		
65	33.3	22.3	41.5
83	13.7	9.6	17.8



#21

2-Butanone

Concen: 48.513 ug/L

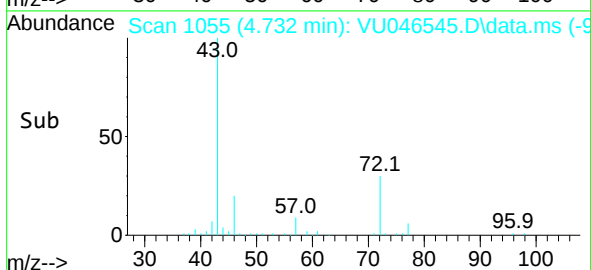
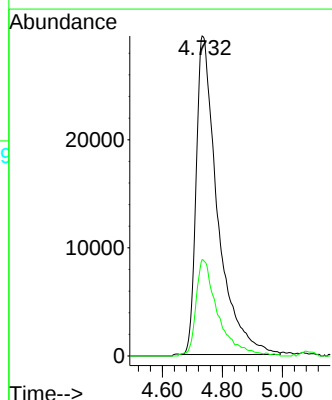
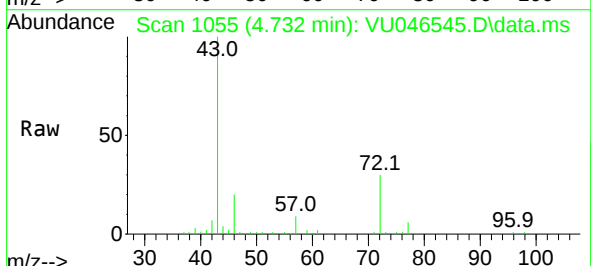
RT: 4.732 min Scan# 1055

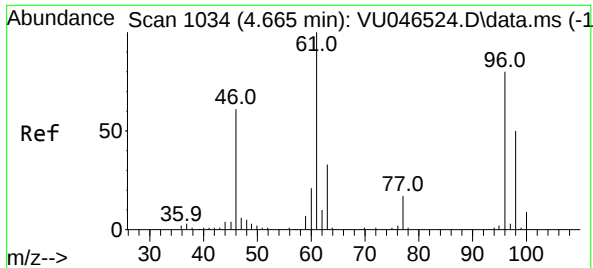
Delta R.T. 0.003 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Tgt Ion:	43	Resp:	146221
Ion	Ratio	Lower	Upper
43	100		
72	28.7	14.1	42.3





#22

cis-1,2-Dichloroethene

Concen: 5.719 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.010 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

ClientSampleId :

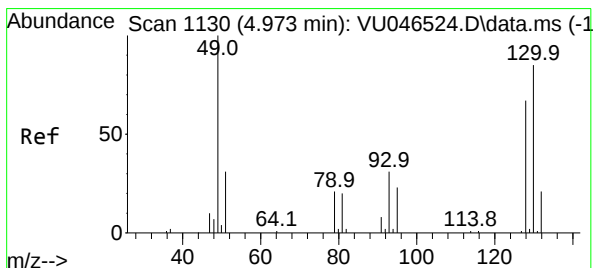
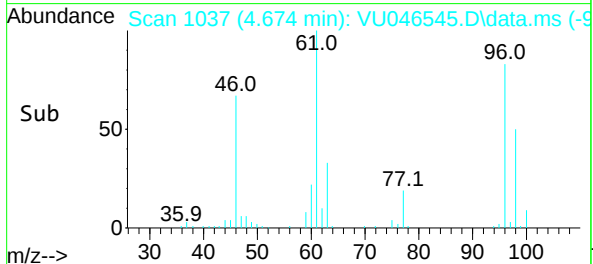
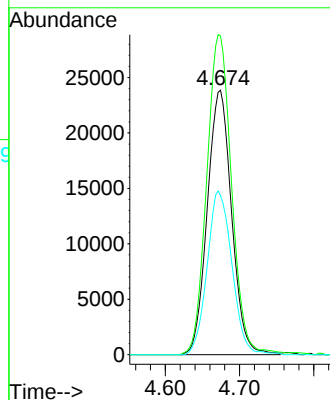
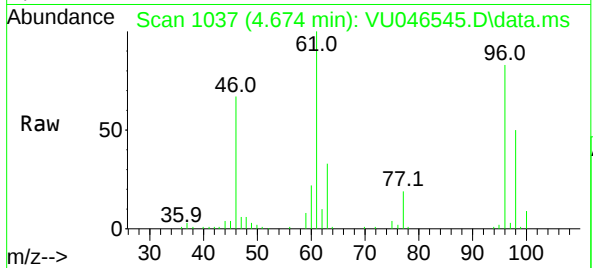
Tgt Ion: 96 Resp: 54407

Ion Ratio Lower Upper

96 100

61 120.6 88.5 164.3

98 60.2 44.4 82.5



#23

Bromochloromethane

Concen: 4.633 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Tgt Ion: 128 Resp: 21936

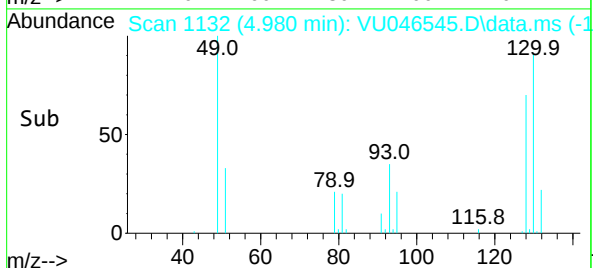
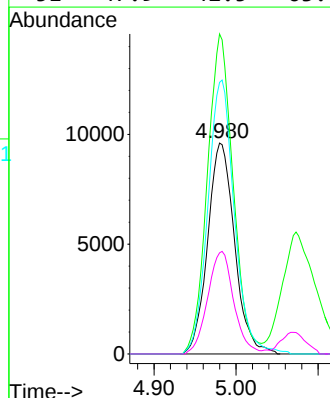
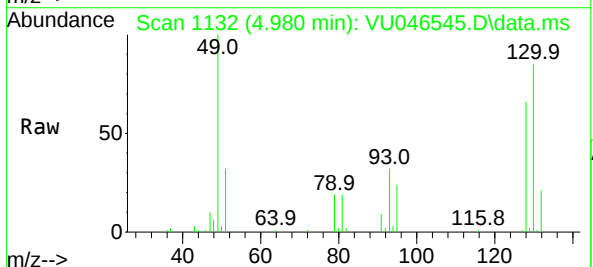
Ion Ratio Lower Upper

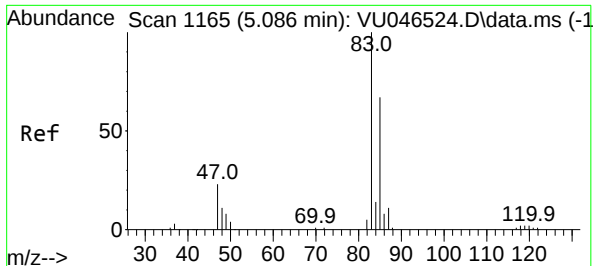
128 100

49 151.7 117.0 217.2

130 128.7 88.2 163.8

51 47.9 42.5 63.7





#25

Chloroform

Concen: 4.570 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.006 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

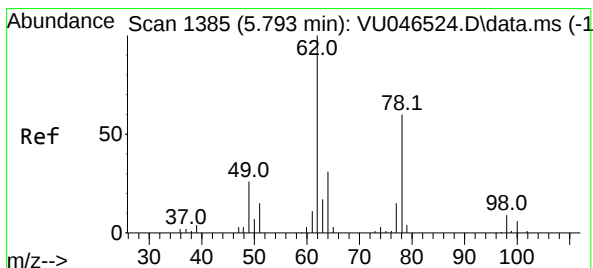
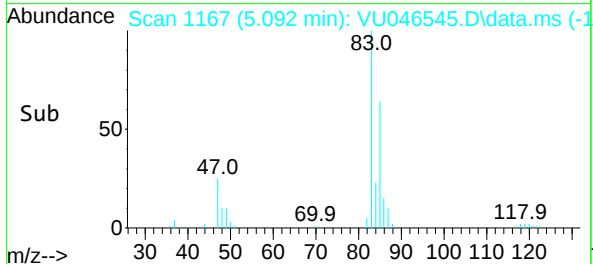
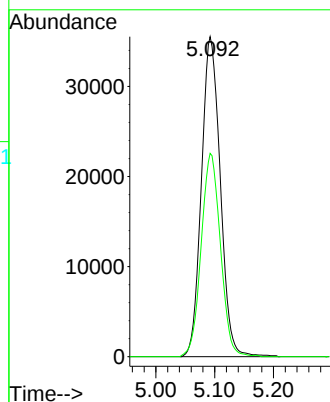
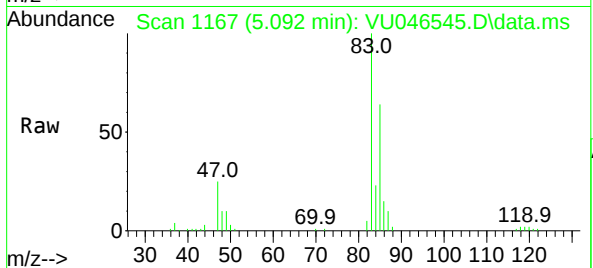
ClientSampleId :

Tgt Ion: 83 Resp: 79146

Ion Ratio Lower Upper

83 100

85 63.6 46.9 87.1



#27

1,2-Dichloroethane

Concen: 4.625 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VU046545.D

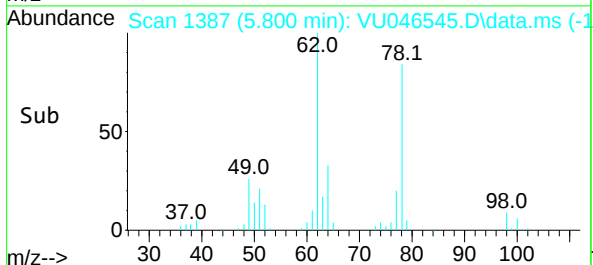
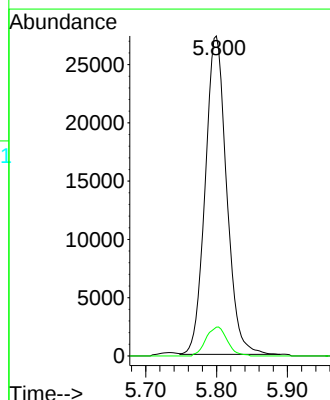
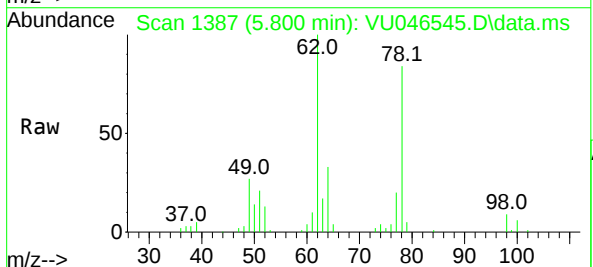
Acq: 22 Dec 2021 00:09

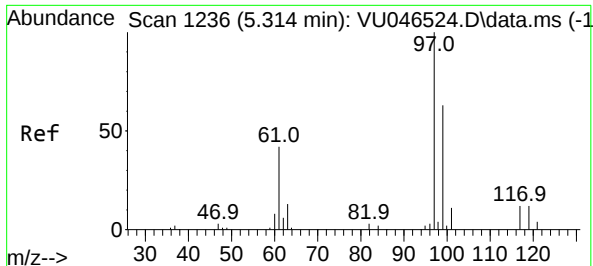
Tgt Ion: 62 Resp: 57189

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.817 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU046545.D

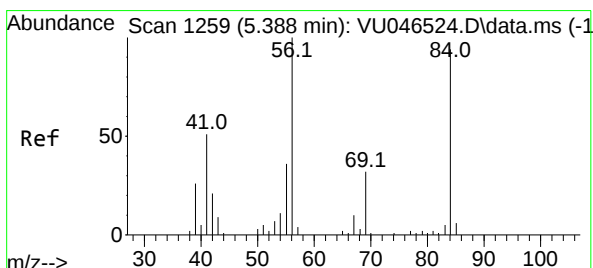
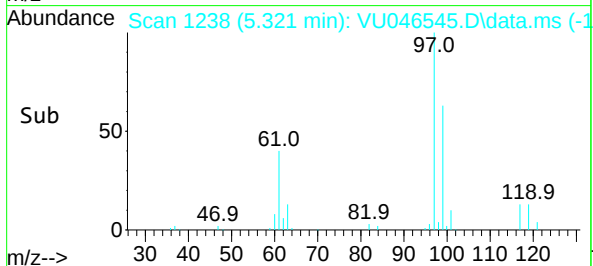
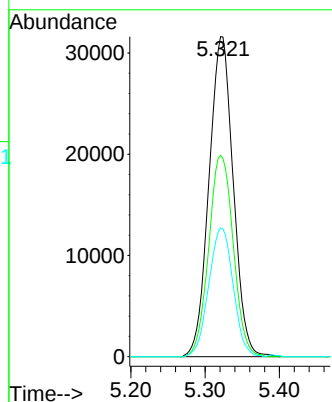
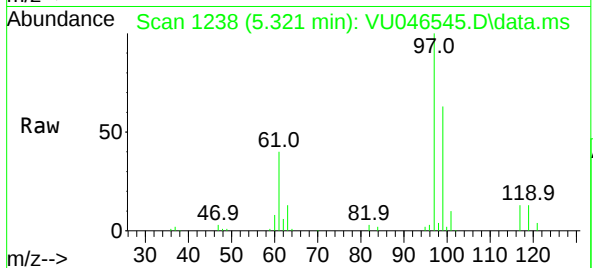
Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97	Resp: 71654
Ion Ratio	Lower Upper
97 100	
99 63.7	51.3 76.9
61 40.5	36.1 54.1



#30

Cyclohexane

Concen: 5.905 ug/L

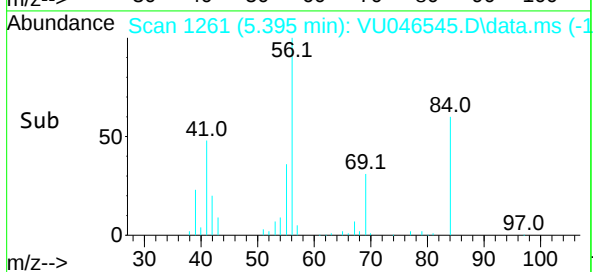
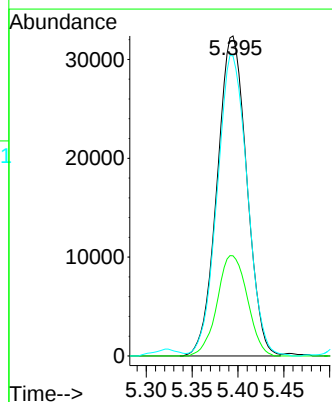
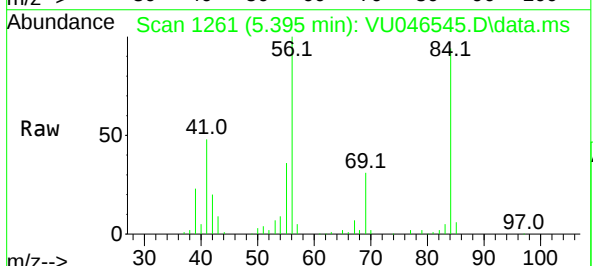
RT: 5.395 min Scan# 1261

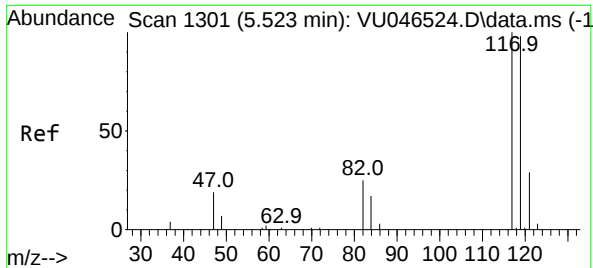
Delta R.T. 0.006 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Tgt Ion: 56	Resp: 72663
Ion Ratio	Lower Upper
56 100	
69 31.9	24.7 37.1
84 95.6	71.8 107.6

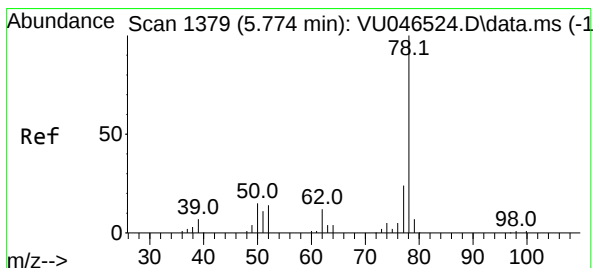
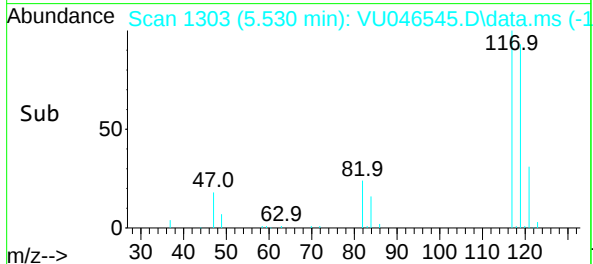
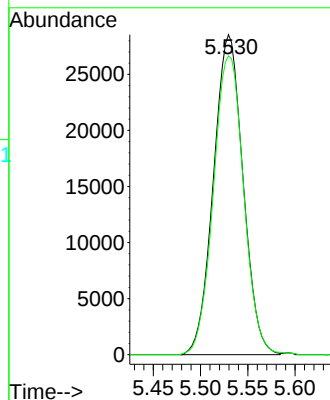
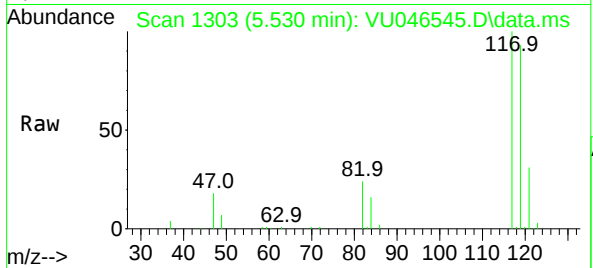




#31
Carbon tetrachloride
Concen: 4.965 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.006 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

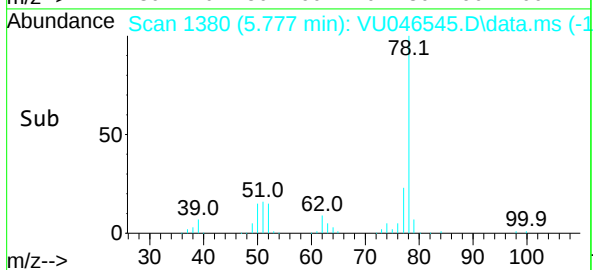
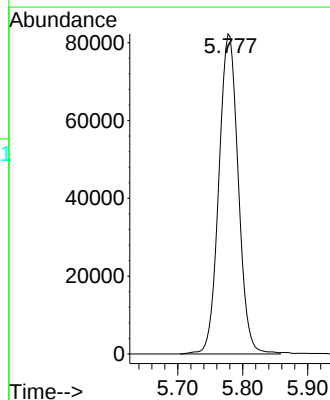
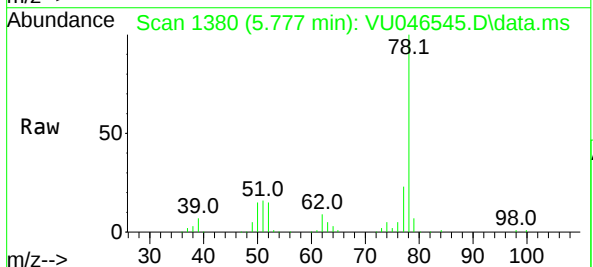
Instrument :
MSVOA_U
ClientSampleId :

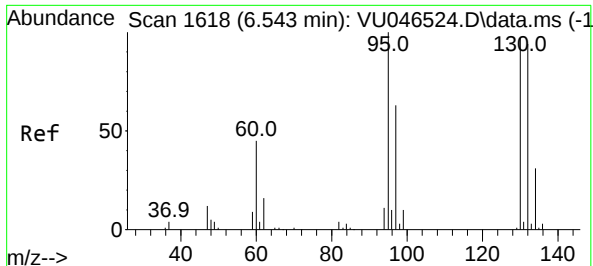
Tgt Ion:117 Resp: 61971
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3



#33
Benzene
Concen: 4.764 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 78 Resp: 170278





#34

Trichloroethene

Concen: 10.476 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 98710

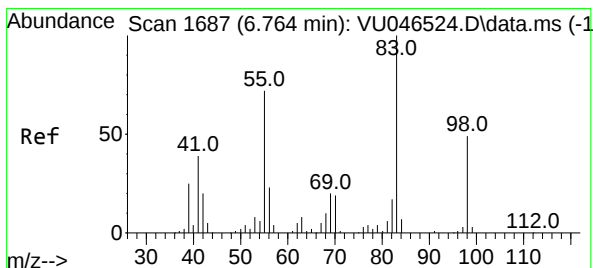
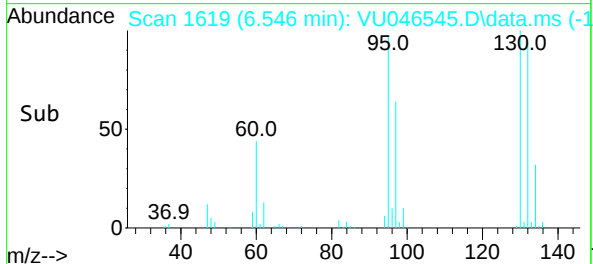
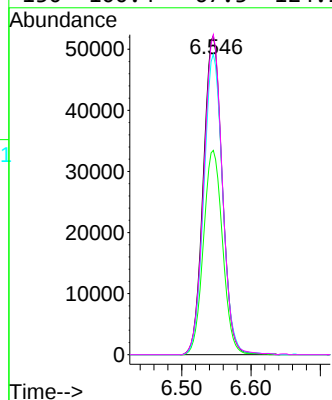
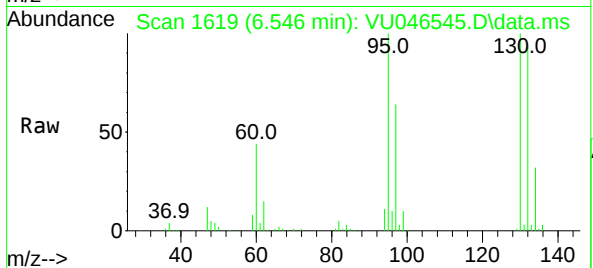
Ion Ratio Lower Upper

95 100

97 64.1 46.5 86.5

132 94.3 65.1 120.9

130 100.4 67.3 124.9



#35

Methylcyclohexane

Concen: 5.440 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. 0.003 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

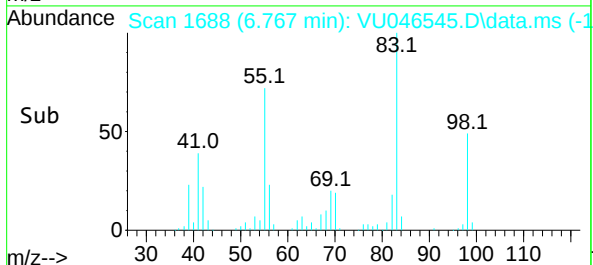
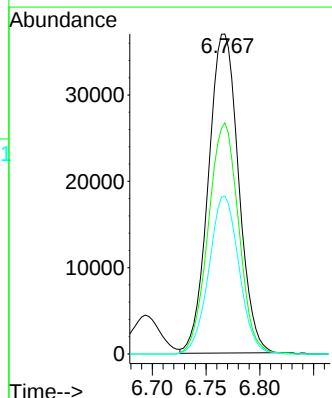
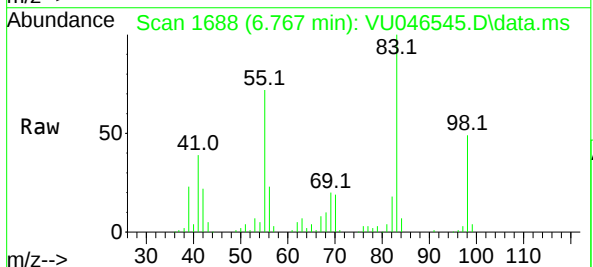
Tgt Ion: 83 Resp: 72273

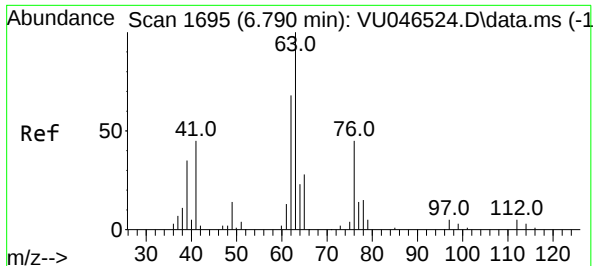
Ion Ratio Lower Upper

83 100

55 72.7 61.9 92.9

98 49.4 39.0 58.6

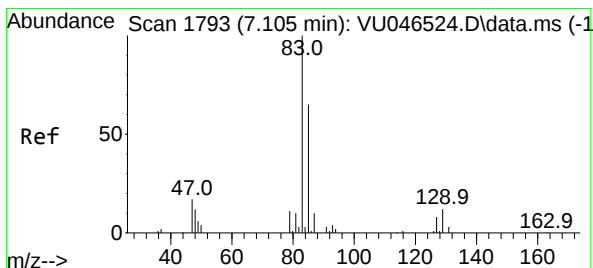
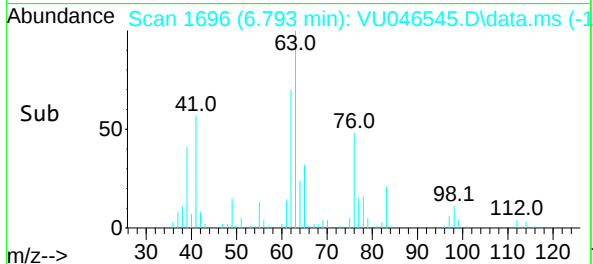
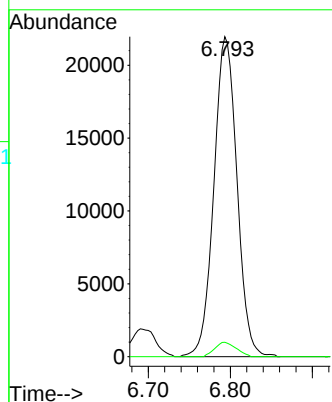
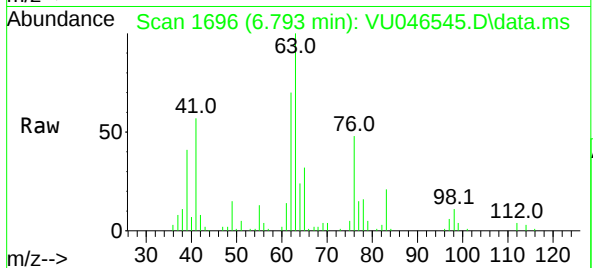




#37
1,2-Dichloropropane
Concen: 4.718 ug/L
RT: 6.793 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

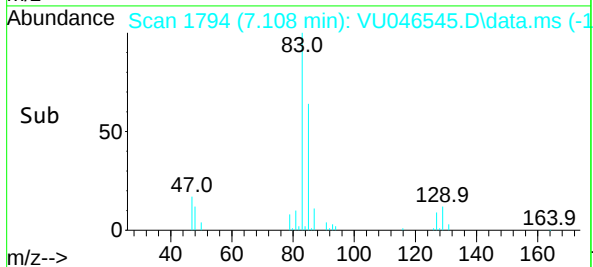
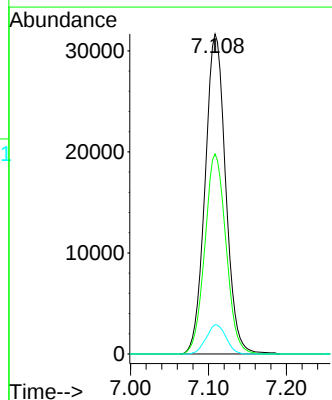
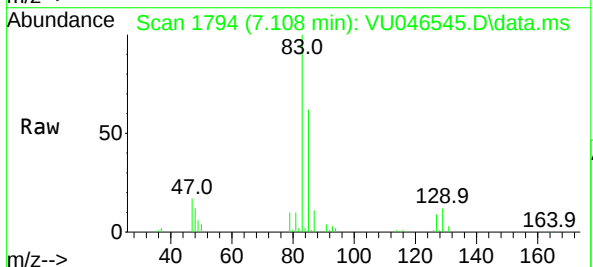
Instrument :
MSVOA_U
ClientSampleId :

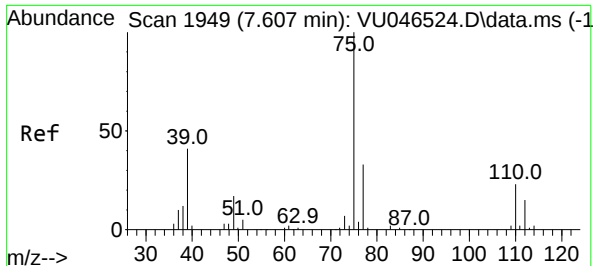
Tgt Ion: 63 Resp: 43019
Ion Ratio Lower Upper
63 100
112 4.2 3.2 4.8



#38
Bromodichloromethane
Concen: 4.605 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.003 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 83 Resp: 58121
Ion Ratio Lower Upper
83 100
85 62.5 44.0 81.8
127 9.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.804 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

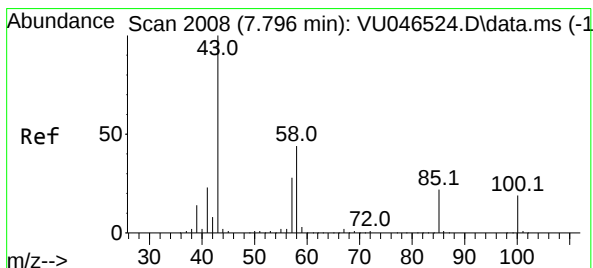
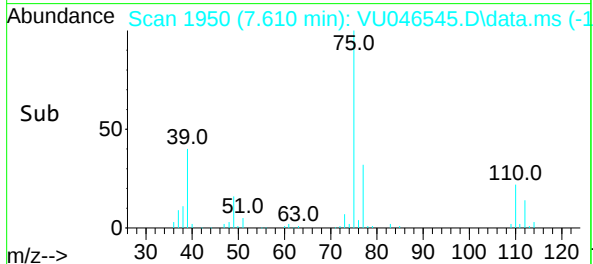
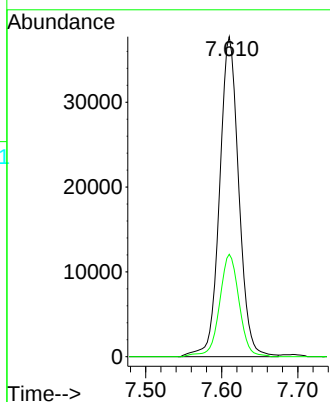
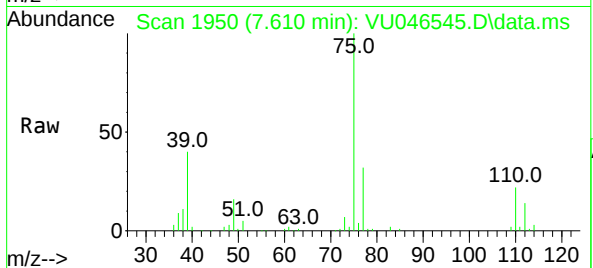
ClientSampleId :

Tgt Ion: 75 Resp: 66297

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 48.002 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

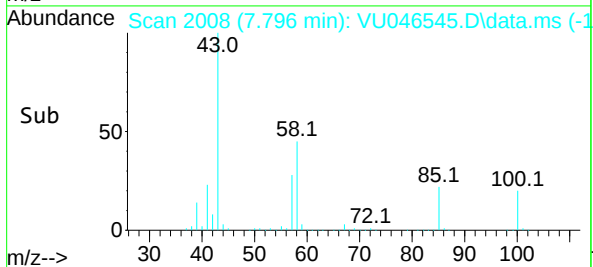
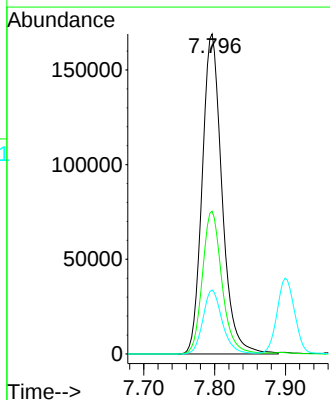
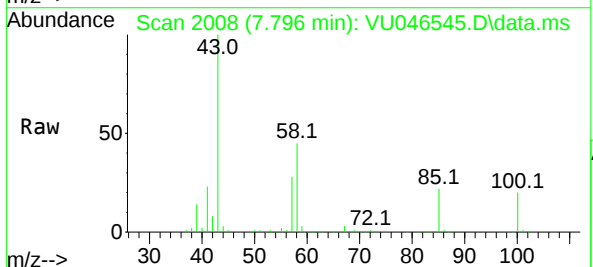
Tgt Ion: 43 Resp: 328526

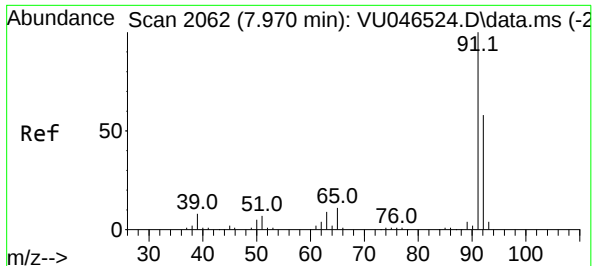
Ion Ratio Lower Upper

43 100

58 44.2 33.1 49.7

100 19.5 13.2 19.8

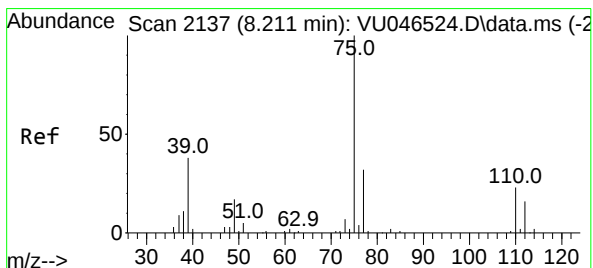
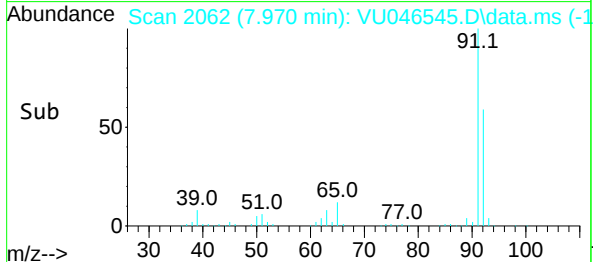
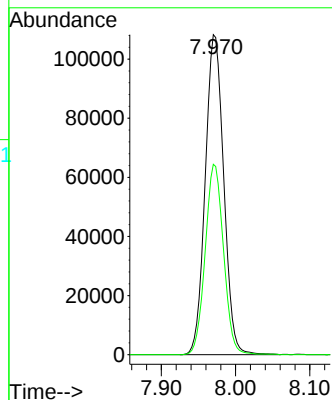
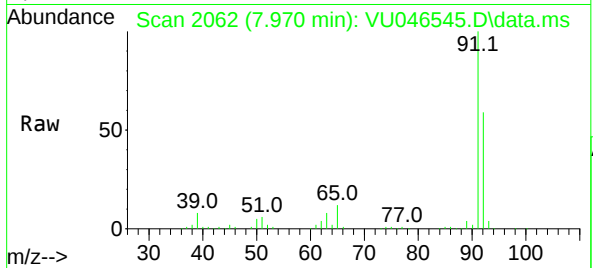




#42
Toluene
Concen: 5.104 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

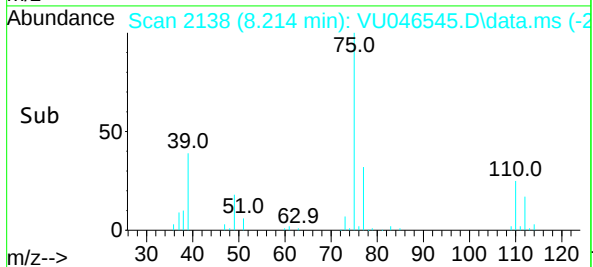
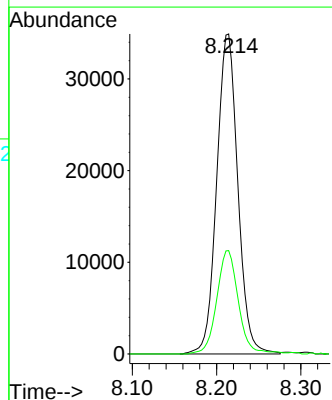
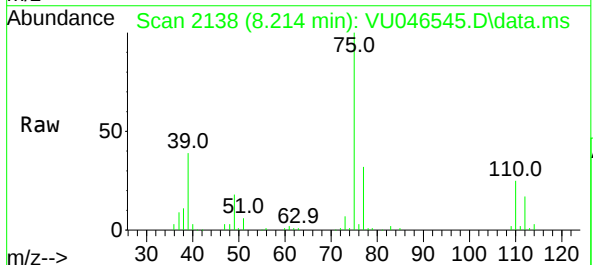
Instrument :
MSVOA_U
ClientSampleId :

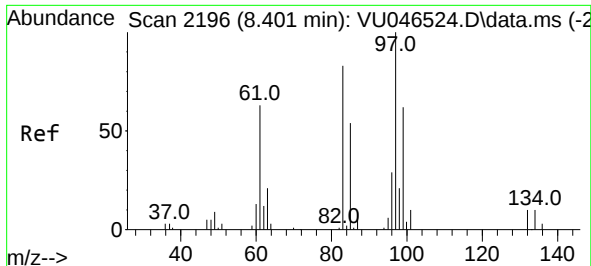
Tgt Ion: 91 Resp: 187247
Ion Ratio Lower Upper
91 100
92 59.5 41.3 76.7



#44
trans-1,3-Dichloropropene
Concen: 4.736 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 75 Resp: 60571
Ion Ratio Lower Upper
75 100
77 32.3 22.7 42.3

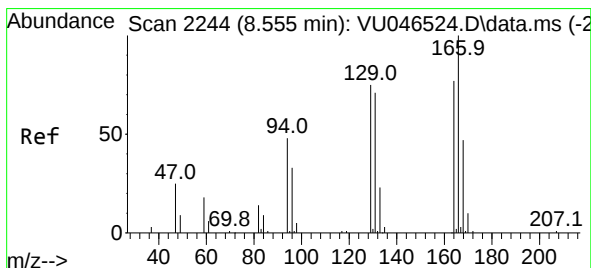
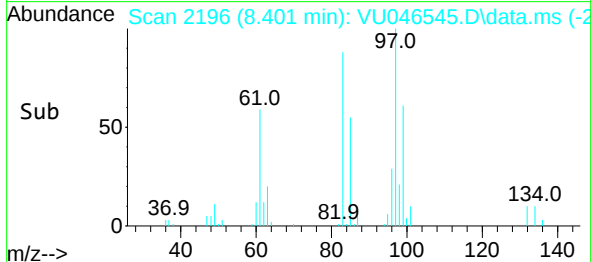
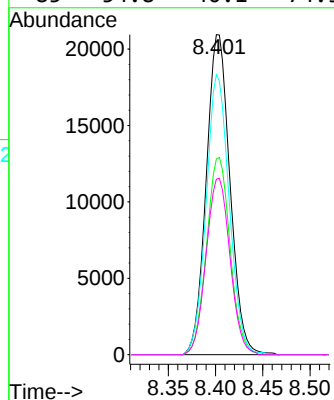
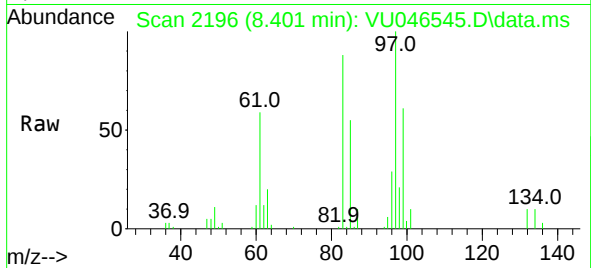




#45
1,1,2-Trichloroethane
Concen: 4.657 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

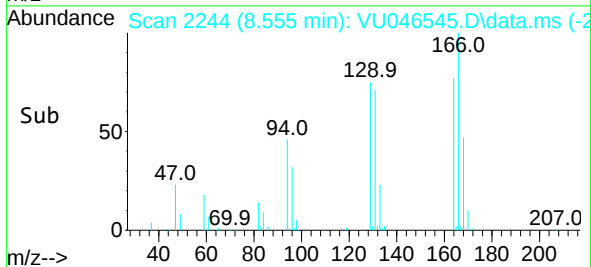
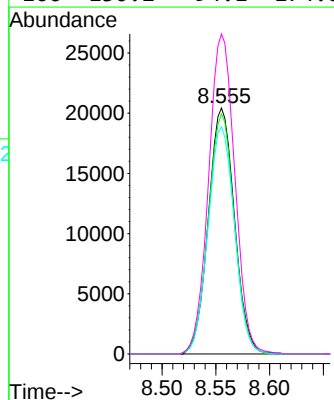
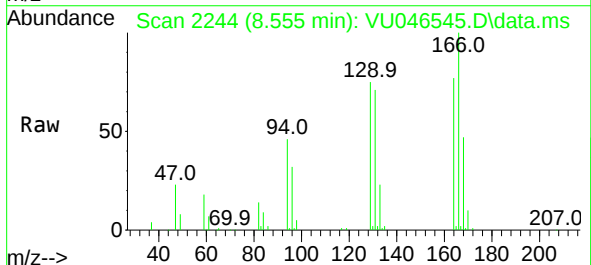
Instrument :
MSVOA_U
ClientSampleId :

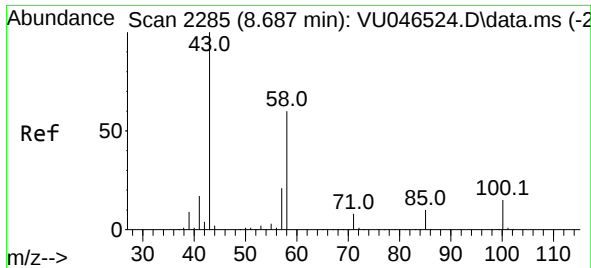
Tgt Ion:	97	Resp:	36618
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.3	78.5
83	87.5	62.0	115.2
85	54.8	40.1	74.5



#47
Tetrachloroethene
Concen: 5.192 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

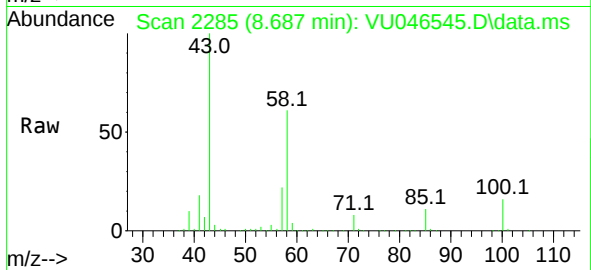
Tgt Ion:	164	Resp:	34616
Ion	Ratio	Lower	Upper
164	100		
129	97.6	71.8	133.4
131	92.4	68.5	127.3
166	130.2	94.1	174.8



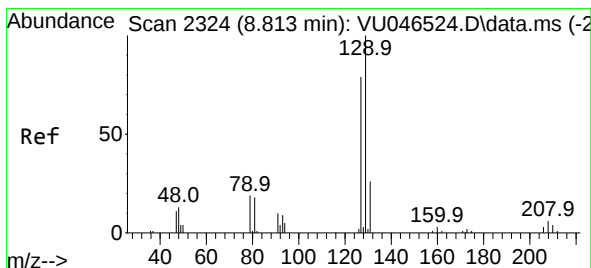
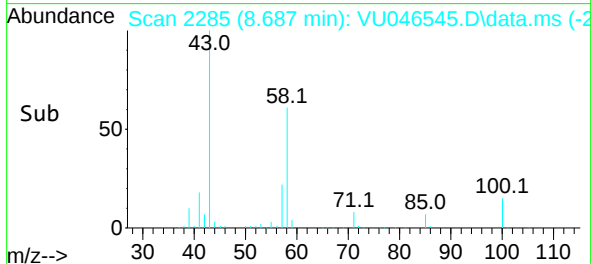
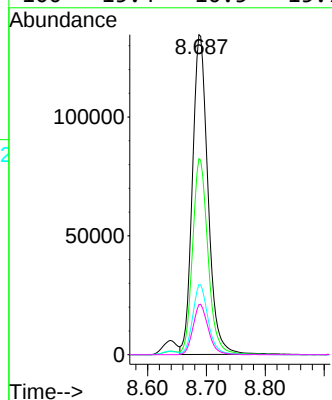


#48
2-Hexanone
Concen: 48.338 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Instrument :
MSVOA_U
ClientSampleId :

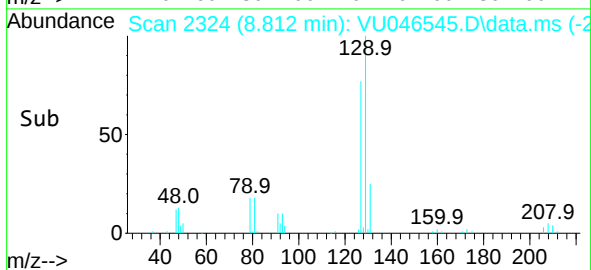
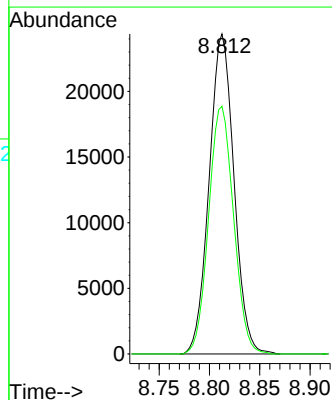
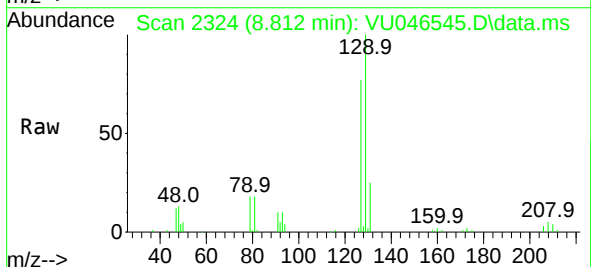


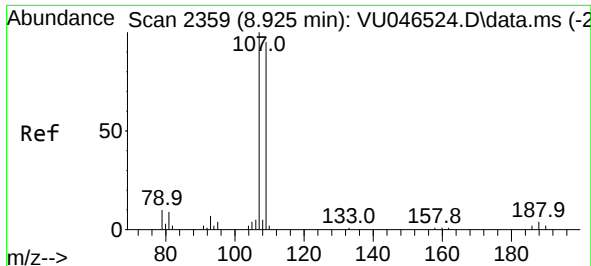
Tgt Ion:	43	Resp:	247066
Ion Ratio	100	Lower	Upper
58	60.0	46.7	70.1
57	21.6	16.3	24.5
100	15.4	10.5	15.7



#49
Dibromochloromethane
Concen: 4.618 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion:	129	Resp:	41885
Ion Ratio	100	Lower	Upper
127	77.4	55.4	102.8





#50

1,2-Dibromoethane

Concen: 4.750 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046545.D

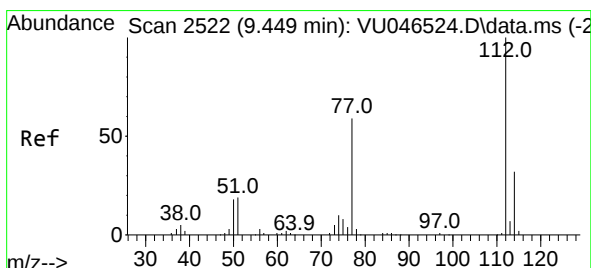
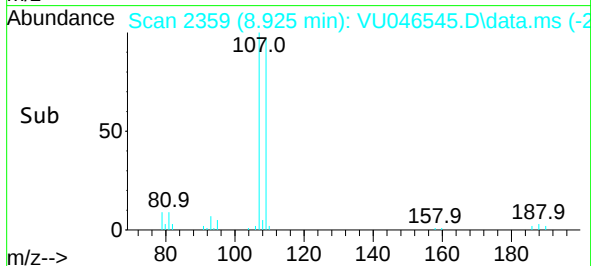
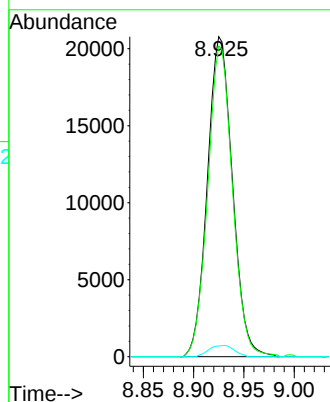
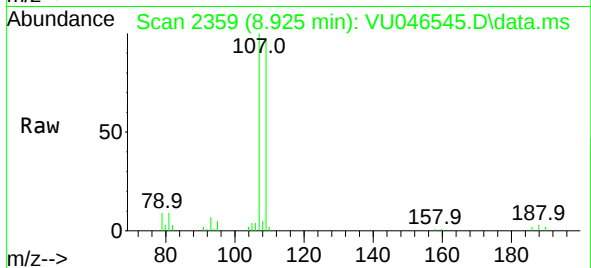
Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	36049
Ion Ratio	Lower	Upper
107	100	
109	97.0	64.0 119.0
188	3.4	2.4 3.6



#51

Chlorobenzene

Concen: 4.850 ug/L

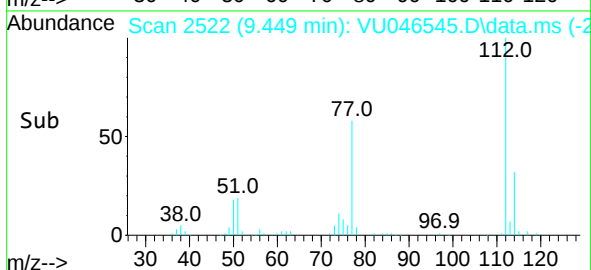
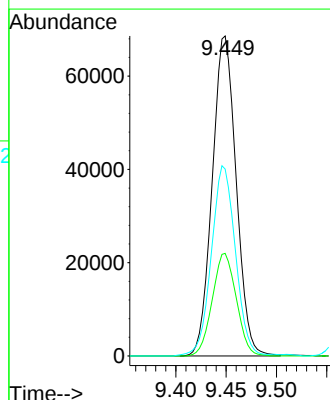
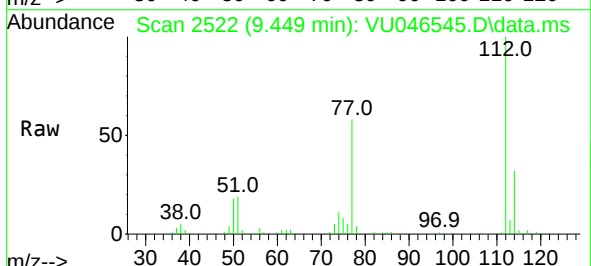
RT: 9.449 min Scan# 2522

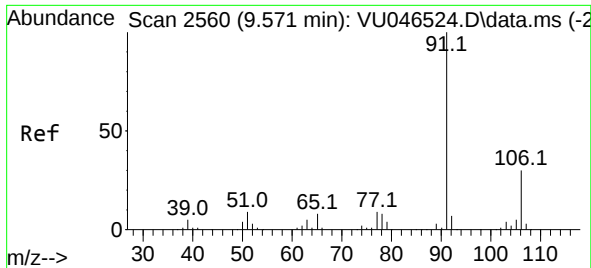
Delta R.T. -0.000 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Tgt Ion:112	Resp:	113728
Ion Ratio	Lower	Upper
112	100	
114	32.0	22.1 41.1
77	58.4	48.3 72.5

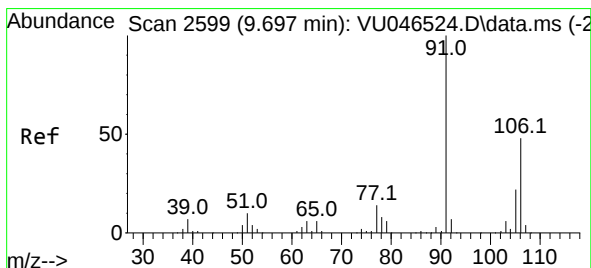
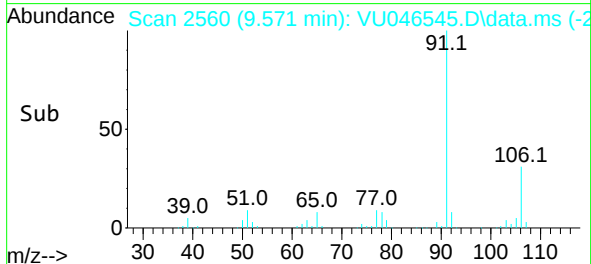
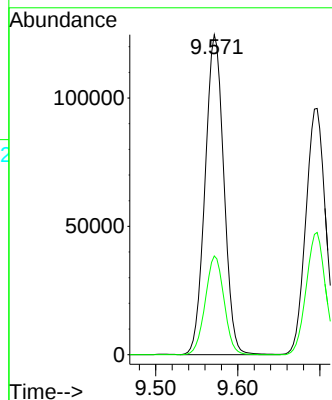
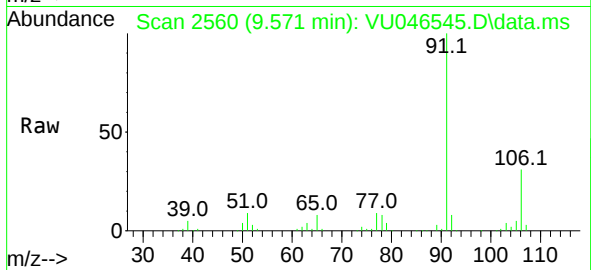




#52
Ethylbenzene
Concen: 5.208 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

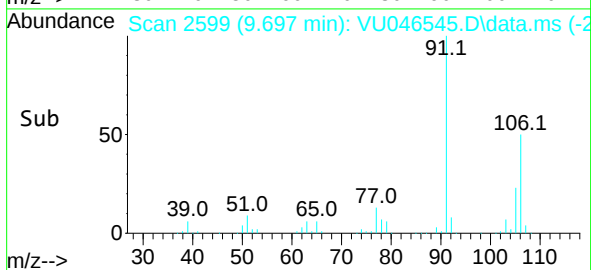
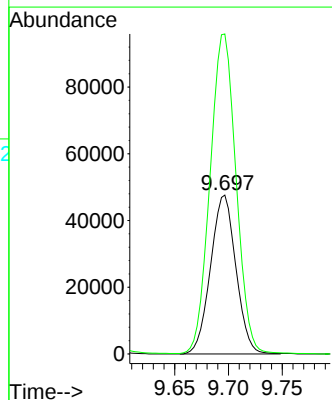
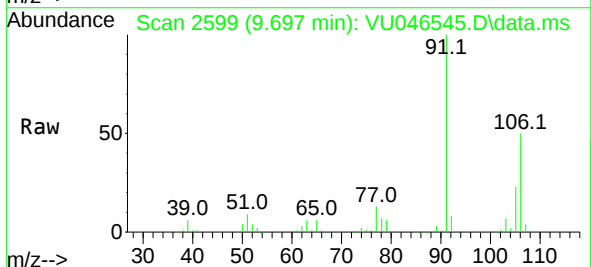
Instrument :
MSVOA_U
ClientSampleId :

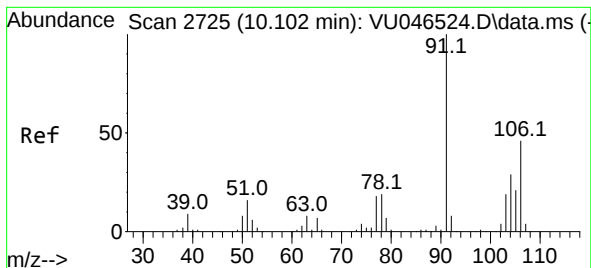
Tgt Ion: 91 Resp: 197777
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#53
m,p-Xylene
Concen: 5.367 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 106 Resp: 78075
Ion Ratio Lower Upper
106 100
91 201.3 139.4 259.0





#54

o-Xylene

Concen: 5.405 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

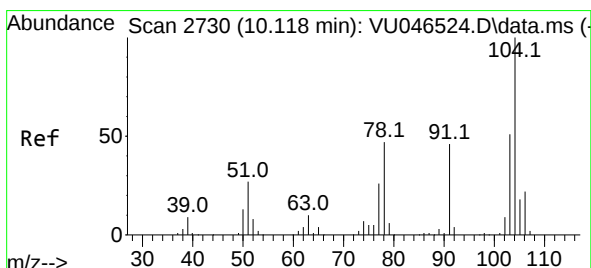
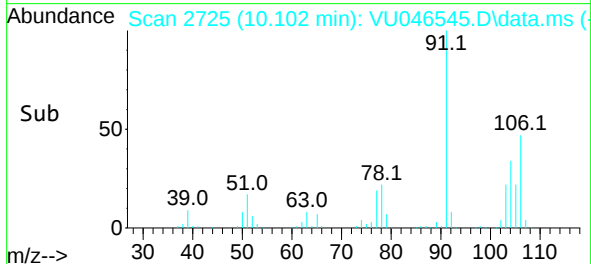
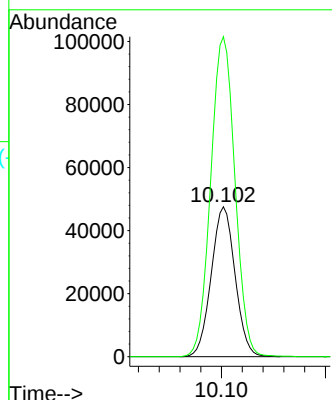
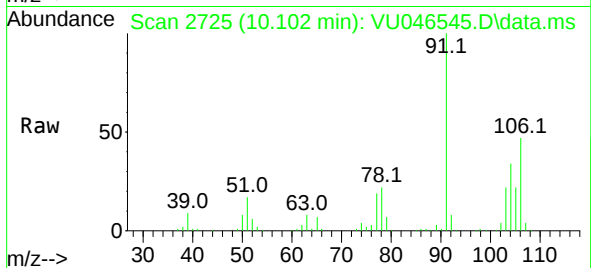
ClientSampleId :

Tgt Ion:106 Resp: 75559

Ion Ratio Lower Upper

106 100

91 213.3 147.5 273.9



#55

Styrene

Concen: 5.274 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU046545.D

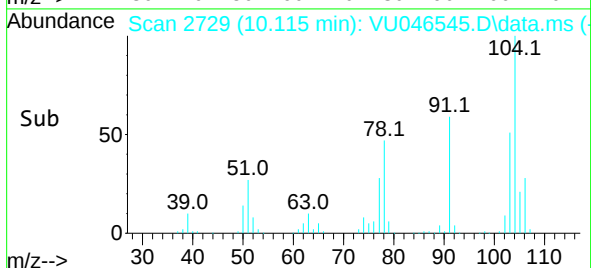
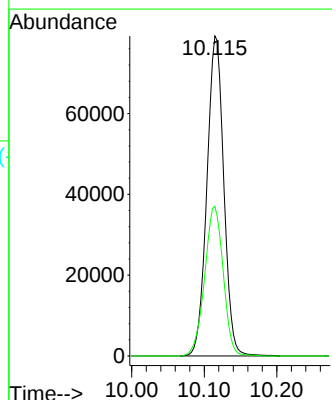
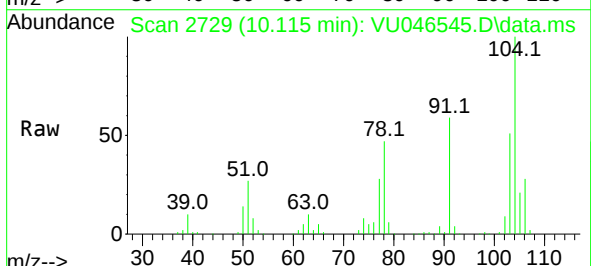
Acq: 22 Dec 2021 00:09

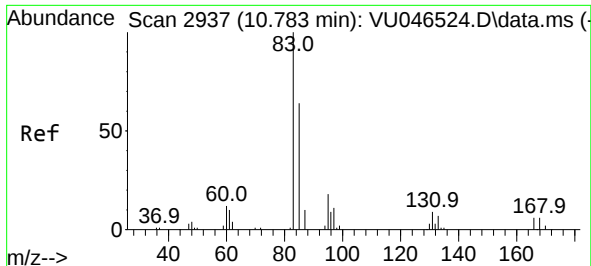
Tgt Ion:104 Resp: 127882

Ion Ratio Lower Upper

104 100

78 46.8 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.781 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

ClientSampleId :

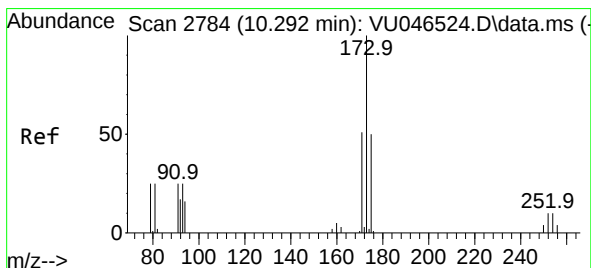
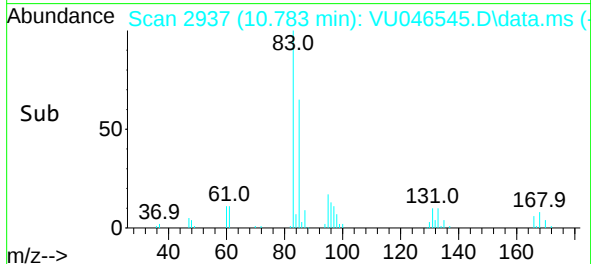
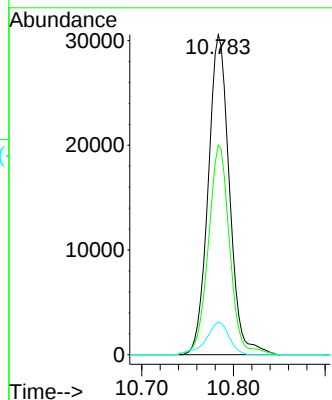
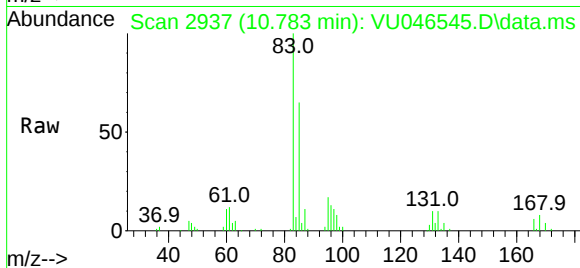
Tgt Ion: 83 Resp: 49129

Ion Ratio Lower Upper

83 100

85 65.4 47.9 89.1

131 10.2 8.1 12.1



#59

Bromoform

Concen: 4.840 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

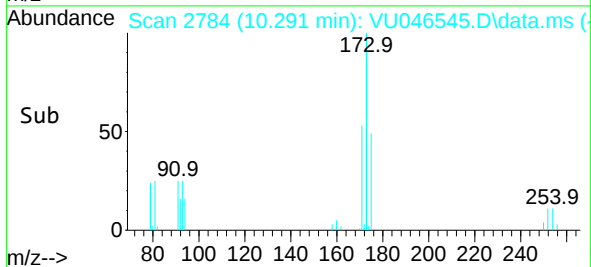
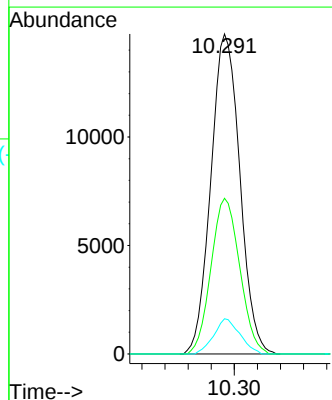
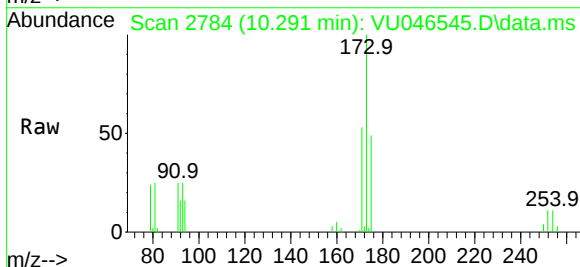
Tgt Ion:173 Resp: 25667

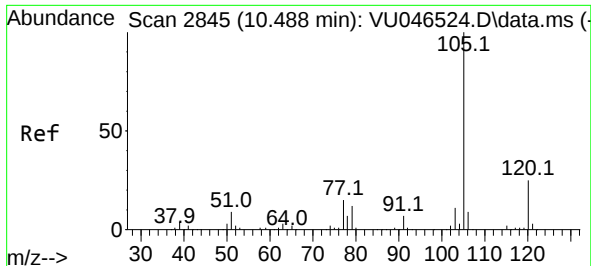
Ion Ratio Lower Upper

173 100

175 48.2 37.8 56.6

254 9.9 7.3 10.9

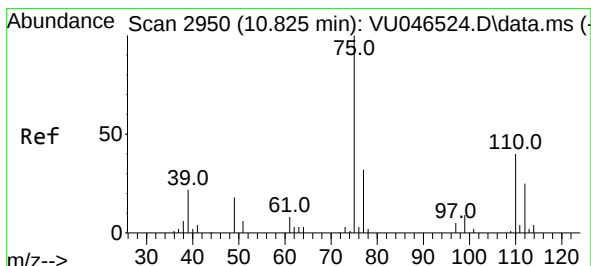
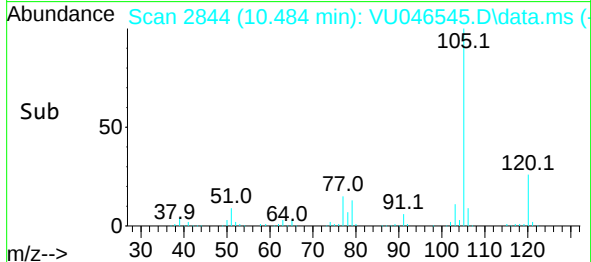
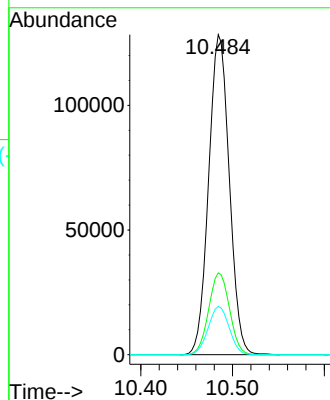
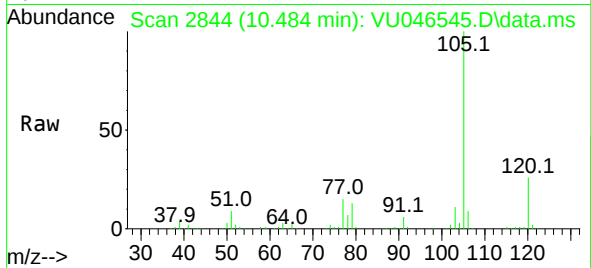




#60
Isopropylbenzene
Concen: 5.653 ug/L
RT: 10.484 min Scan# 2845
Delta R.T. -0.003 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

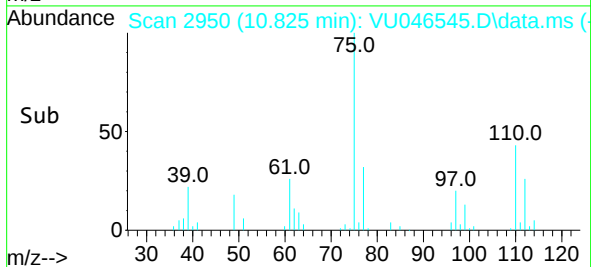
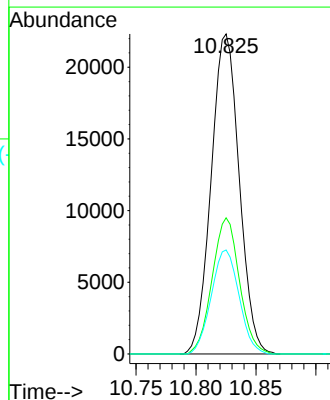
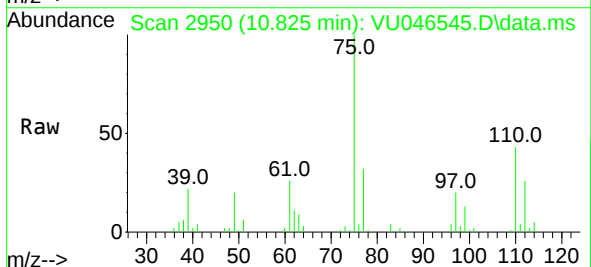
Instrument :
MSVOA_U
ClientSampleId :

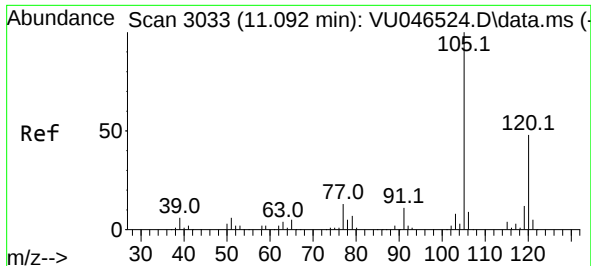
Tgt Ion:105 Resp: 200115
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1
77 15.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.755 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion: 75 Resp: 36248
Ion Ratio Lower Upper
75 100
110 41.5 29.9 44.9
77 32.2 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.704 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

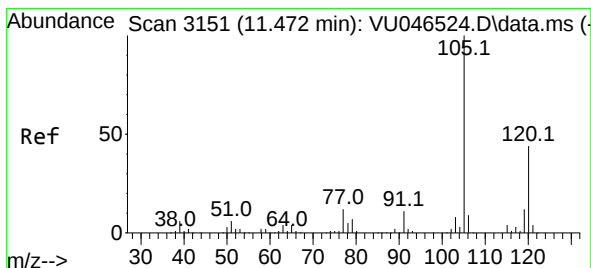
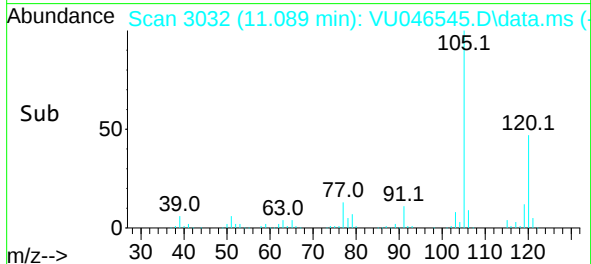
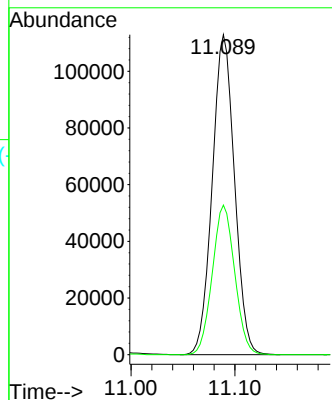
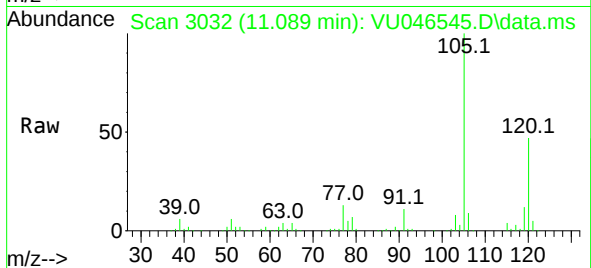
ClientSampleId :

Tgt Ion:105 Resp: 167923

Ion Ratio Lower Upper

105 100

120 47.0 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 5.852 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046545.D

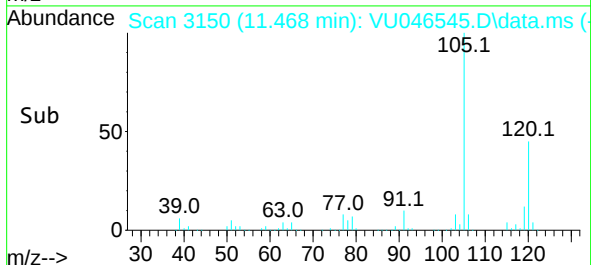
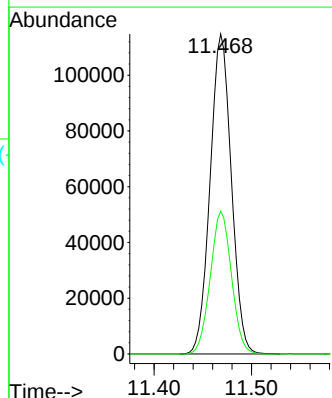
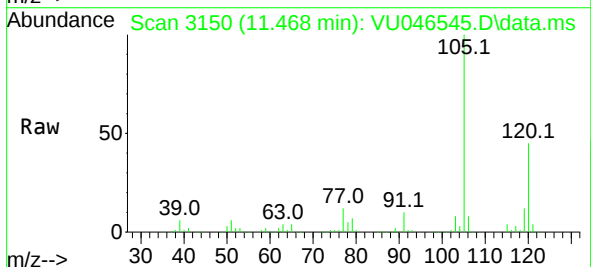
Acq: 22 Dec 2021 00:09

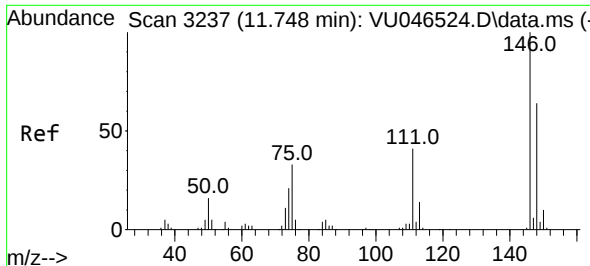
Tgt Ion:105 Resp: 173493

Ion Ratio Lower Upper

105 100

120 44.4 35.8 53.8

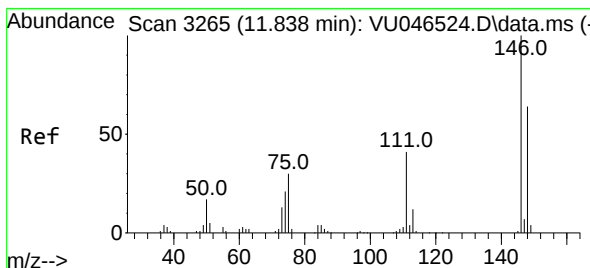
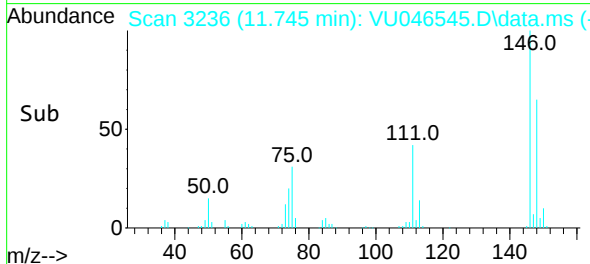
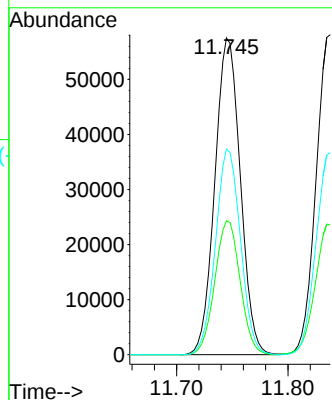
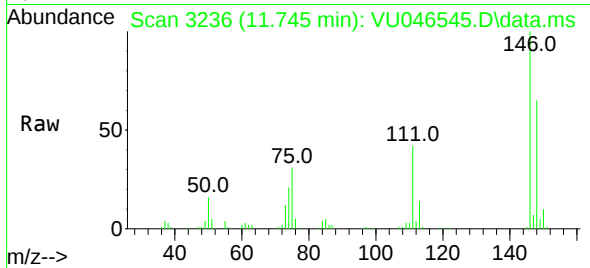




#64
1,3-Dichlorobenzene
Concen: 5.319 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

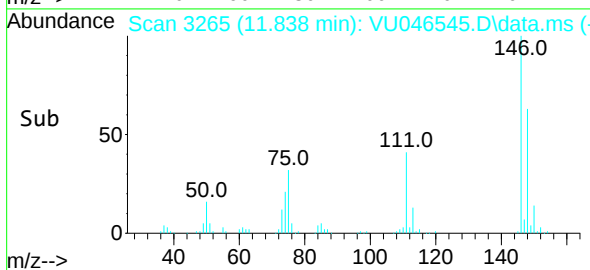
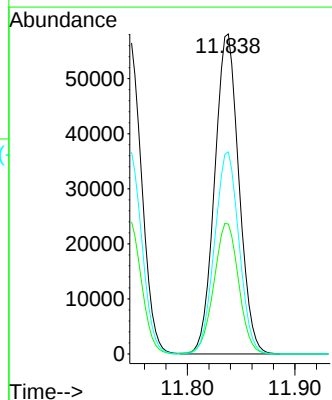
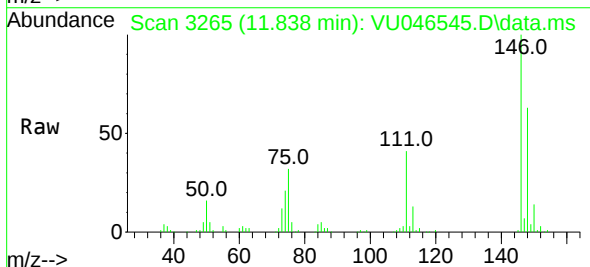
Instrument :
MSVOA_U
ClientSampleId :

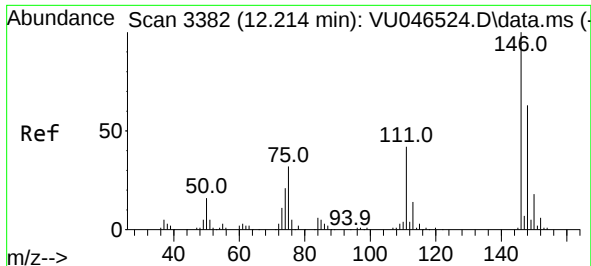
Tgt Ion:146 Resp: 91521
Ion Ratio Lower Upper
146 100
111 42.3 29.9 55.5
148 65.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.183 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion:146 Resp: 91292
Ion Ratio Lower Upper
146 100
111 40.6 28.7 53.3
148 63.2 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 5.193 ug/L

RT: 12.214 min Scan# 311

Delta R.T. -0.000 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

ClientSampleId :

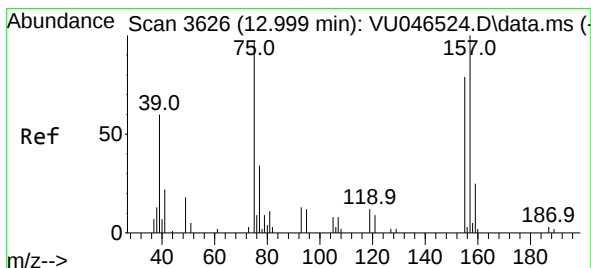
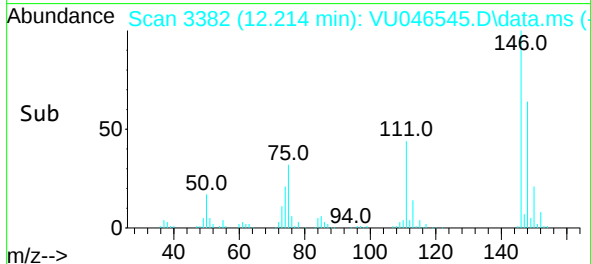
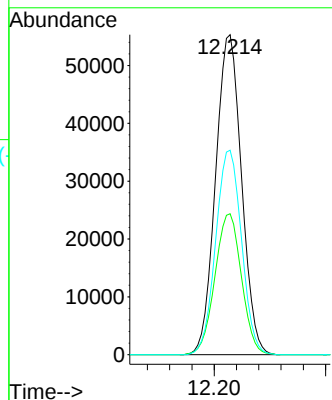
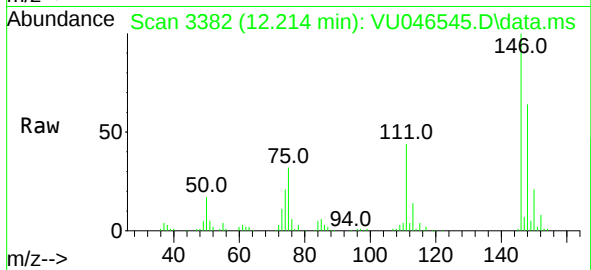
Tgt Ion:146 Resp: 89626

Ion Ratio Lower Upper

146 100

111 44.1 35.4 53.0

148 63.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.948 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

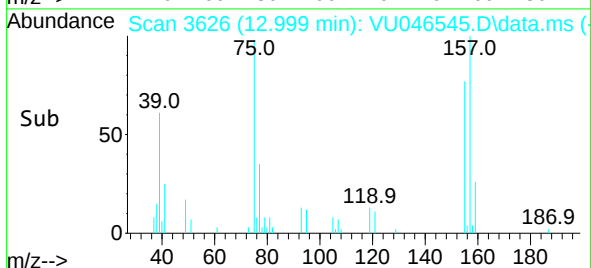
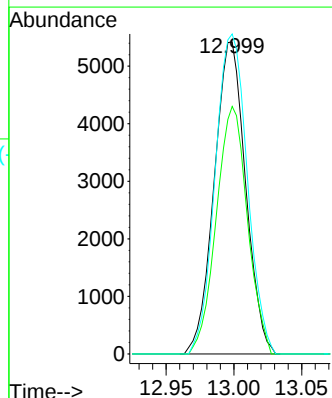
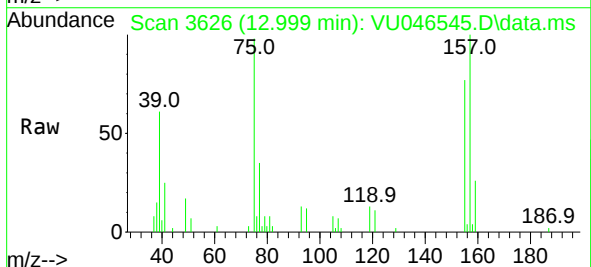
Tgt Ion: 75 Resp: 8730

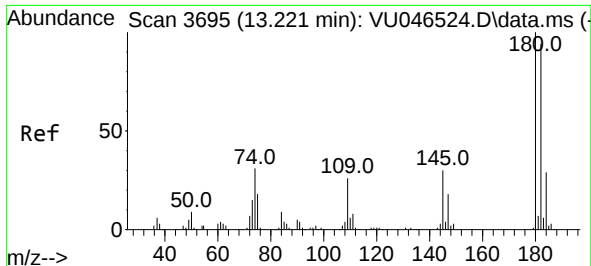
Ion Ratio Lower Upper

75 100

155 79.3 59.2 88.8

157 102.6 76.5 114.7





#69

1,3,5-Trichlorobenzene

Concen: 5.334 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

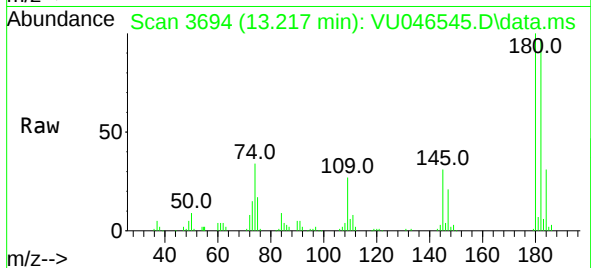
Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 69465

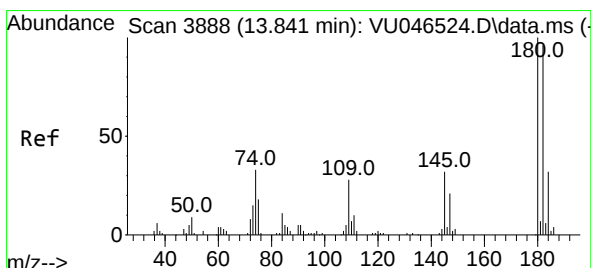
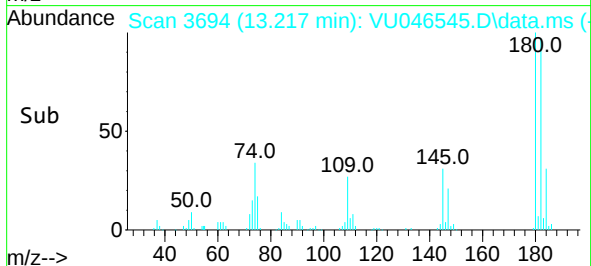
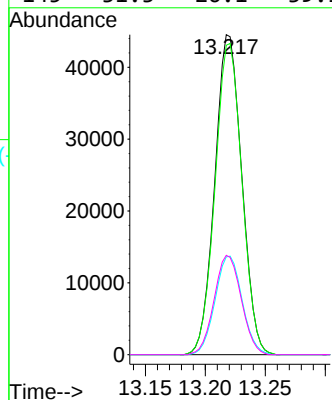
Ion Ratio Lower Upper

180 100

182 97.2 76.1 114.1

184 30.9 25.0 37.4

145 31.3 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 5.480 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU046545.D

Acq: 22 Dec 2021 00:09

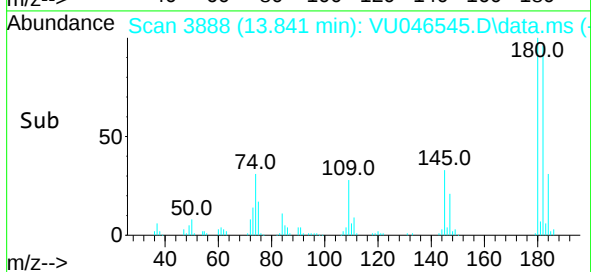
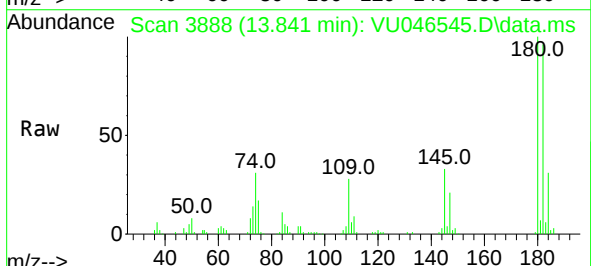
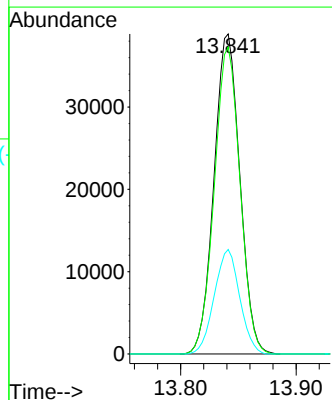
Tgt Ion:180 Resp: 60448

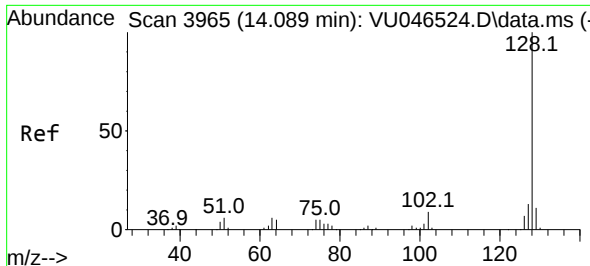
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

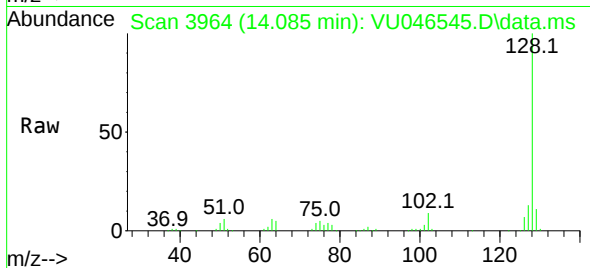
145 32.1 25.6 38.4



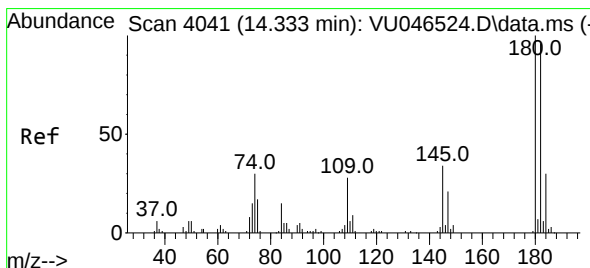
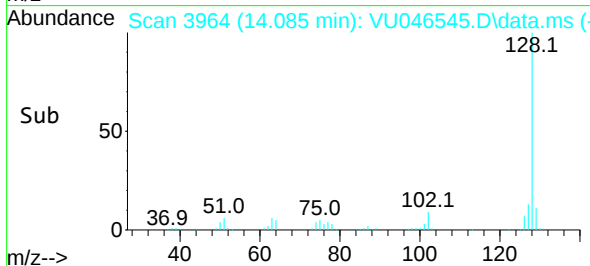
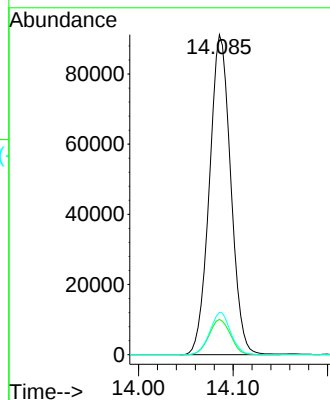


#71
Naphthalene
Concen: 5.831 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 142846
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 12.9 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.459 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046545.D
Acq: 22 Dec 2021 00:09

Tgt Ion:180 Resp: 59610
Ion Ratio Lower Upper
180 100
182 96.6 76.2 114.4
145 33.1 28.4 42.6

