

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120321\
 Data File : VU046077.D
 Acq On : 03 Dec 2021 16:32
 Operator : SY/MD
 Sample : M4869-04MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESQN3MSD

Quant Time: Dec 04 03:08:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	237255	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	231844	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	123862	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	61284	31.357	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.720%
7) Chloroethane-d5	1.916	69	51979	34.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.280%#
11) 1,1-Dichloroethene-d2	2.575	63	135538	38.632	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.260%
21) 2-Butanone-d5	4.636	46	145557	93.688	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.690%
24) Chloroform-d	5.067	84	147113	45.075	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.160%
26) 1,2-Dichloroethane-d4	5.703	65	92457	42.212	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.420%
32) Benzene-d6	5.729	84	279999	42.136	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.280%
36) 1,2-Dichloropropane-d6	6.694	67	90864	44.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.240%
41) Toluene-d8	7.899	98	251105	41.503	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	8.179	79	45175	45.441	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.880%
47) 2-Hexanone-d5	8.633	63	104341	106.858	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.860%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	149209	47.775	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.540%
66) 1,2-Dichlorobenzene-d4	12.195	152	105536	44.243	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	129743	50.263	ug/L	100
3) Chloromethane	1.520	50	110791	47.987	ug/L	100
5) Vinyl chloride	1.607	62	122520	52.630	ug/L	100
6) Bromomethane	1.861	94	71774	54.396	ug/L	98
8) Chloroethane	1.938	64	65473	48.574	ug/L	97
9) Trichlorofluoromethane	2.141	101	153461	50.492	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	92339	53.488	ug/L	97
12) 1,1-Dichloroethene	2.585	96	89011	54.259	ug/L	82
13) Acetone	2.652	43	99909	51.454	ug/L	95
14) Carbon disulfide	2.797	76	267979	52.652	ug/L	100
15) Methyl Acetate	2.954	43	117535	51.925	ug/L	99
16) Methylene chloride	3.051	84	101705	52.109	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	96468	55.567	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	312107	58.335	ug/L	100
19) 1,1-Dichloroethane	3.874	63	175909	55.728	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	109214	57.977	ug/L	96
22) 2-Butanone	4.713	43	166218	78.637	ug/L	98
23) Bromochloromethane	4.977	128	54753	57.550	ug/L	93
25) Chloroform	5.089	83	183059	52.196	ug/L	100

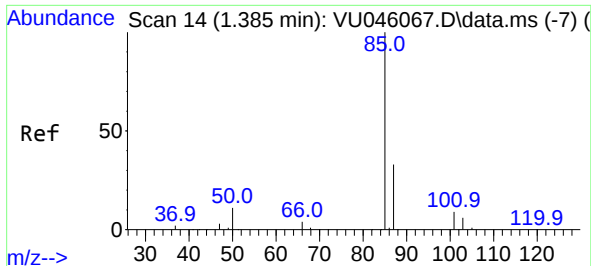
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120321\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	140055	53.815	ug/L	98
29) Cyclohexane	5.391	56	157022	58.163	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	160855	56.522	ug/L	99
31) Carbon tetrachloride	5.527	117	137451	56.891	ug/L	98
33) Benzene	5.777	78	396628	56.524	ug/L	100
34) Trichloroethene	6.546	95	101745	55.039	ug/L	99
35) Methylcyclohexane	6.764	83	165625	57.783	ug/L	99
37) 1,2-Dichloropropane	6.793	63	103296	56.195	ug/L	99
38) Bromodichloromethane	7.108	83	136735	55.965	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	168562	60.279	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	305913	113.271	ug/L	99
42) Toluene	7.970	91	438072	58.181	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	160372	58.391	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	103827	56.301	ug/L	98
46) Tetrachloroethene	8.555	164	79396	58.445	ug/L	96
48) 2-Hexanone	8.684	43	239516	99.166	ug/L	98
49) Dibromochloromethane	8.813	129	113824	58.776	ug/L	96
50) 1,2-Dibromoethane	8.925	107	114627	57.331	ug/L	98
51) Chlorobenzene	9.449	112	278088	57.088	ug/L	98
52) Ethylbenzene	9.571	91	478492	59.049	ug/L	98
53) m,p-Xylene	9.694	106	189922	60.098	ug/L	98
54) o-xylene	10.102	106	182298	59.450	ug/L	94
55) Styrene	10.115	104	314064	59.990	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.784	83	172134	54.444	ug/L	98
59) Bromoform	10.292	173	82656	56.885	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	144824	53.339	ug/L	99
61) Isopropylbenzene	10.485	105	481338	59.727	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	415214	61.813	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	413991	61.601	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	222415	58.101	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	224872	56.838	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	216836	56.248	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	40647	56.195	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	164904	59.120	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	151351	61.147	ug/L	99
71) Naphthalene	14.086	128	561032	65.136	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	154428	61.182	ug/L	100

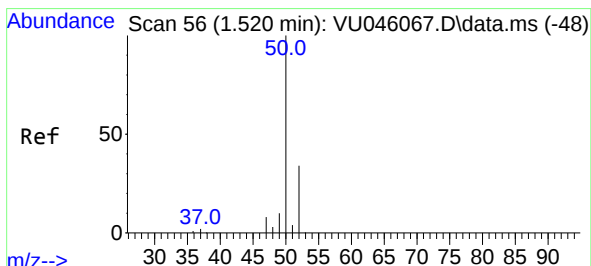
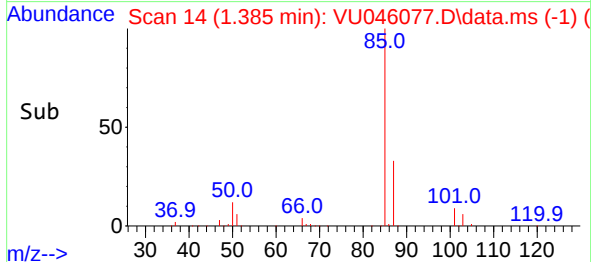
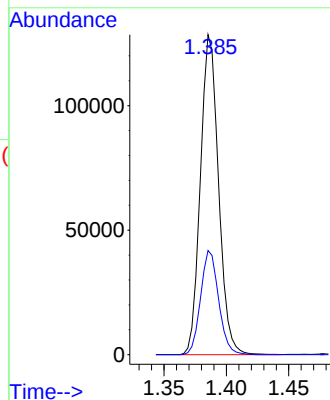
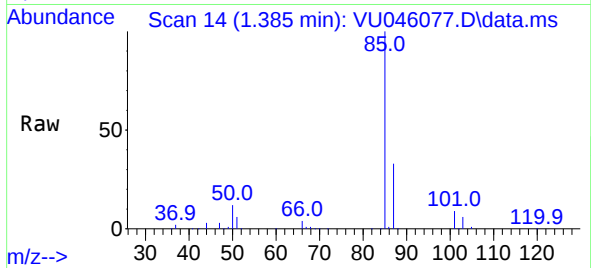
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 50.263 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

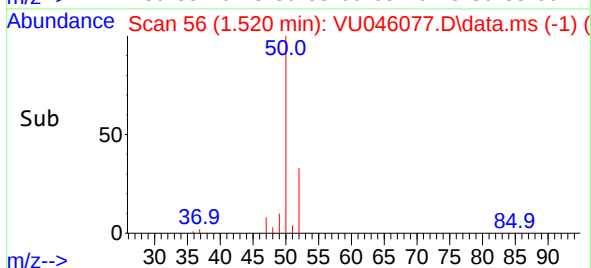
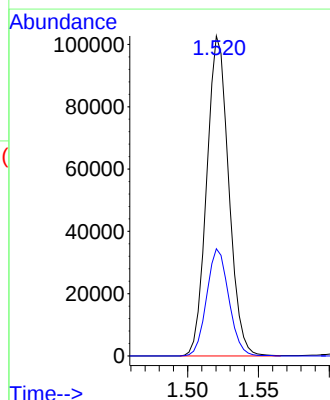
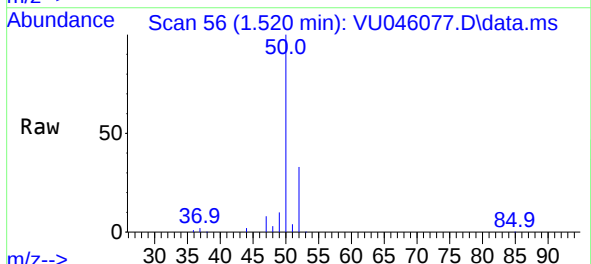
Instrument :
MSVOA_U
ClientSampleId :
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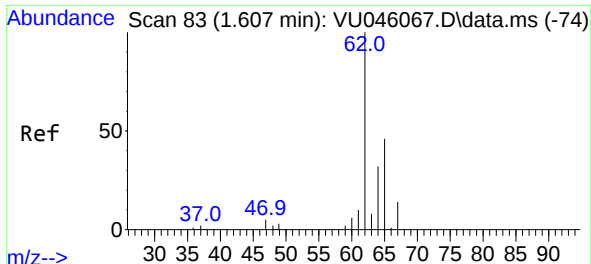
Tgt Ion: 85 Resp: 129743
Ion Ratio Lower Upper
85 100
87 32.2 25.7 38.5



#3
Chloromethane
Concen: 47.987 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 50 Resp: 110791
Ion Ratio Lower Upper
50 100
52 33.5 23.2 43.2

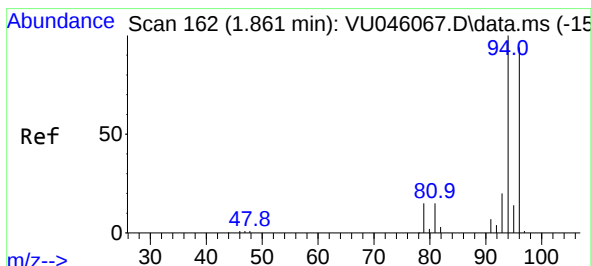
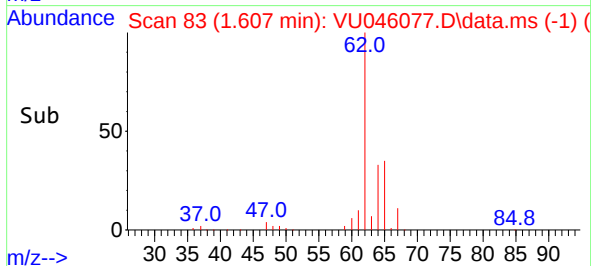
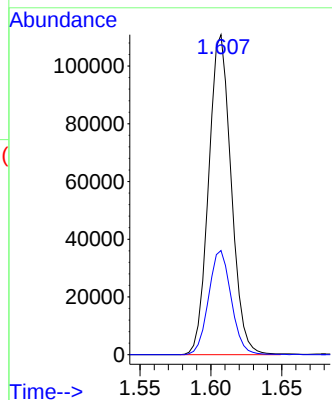
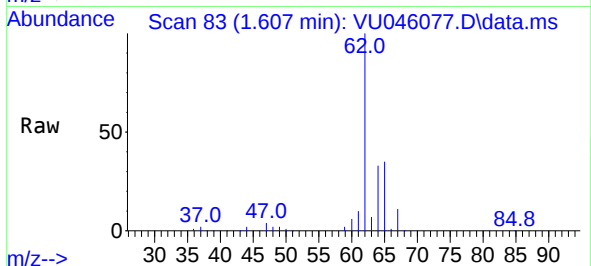




#5
 Vinyl chloride
 Concen: 52.630 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046077.D
 Acq: 03 Dec 2021 16:32

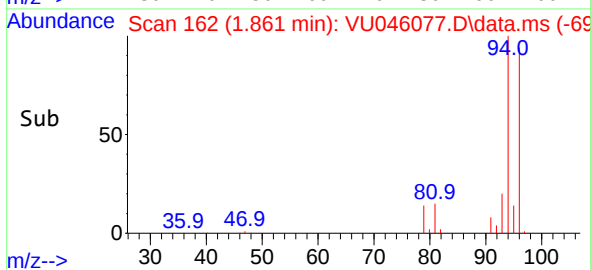
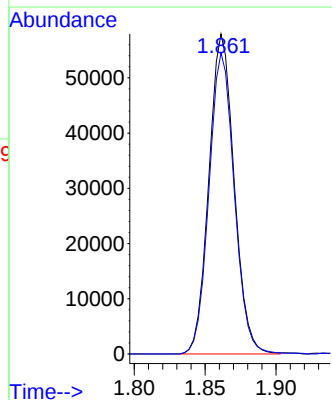
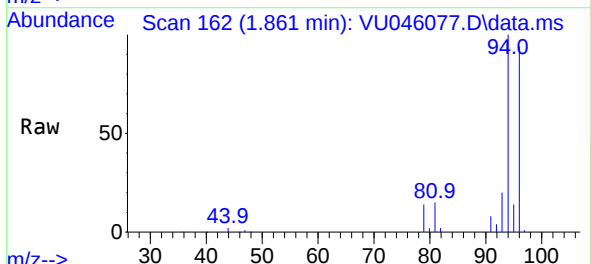
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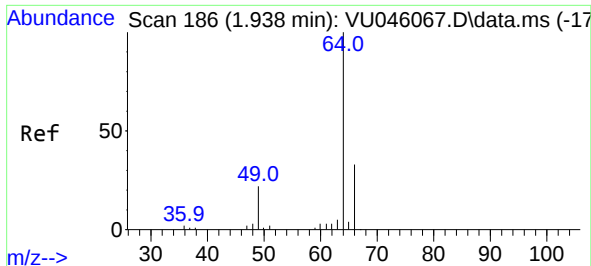
Tgt Ion: 62 Resp: 122520
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.9 42.5



#6
 Bromomethane
 Concen: 54.396 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU046077.D
 Acq: 03 Dec 2021 16:32

Tgt Ion: 94 Resp: 71774
 Ion Ratio Lower Upper
 94 100
 96 94.1 67.4 125.2





#8

Chloroethane

Concen: 48.574 ug/L

RT: 1.938 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Instrument :

MSVOA_U

ClientSampleId :

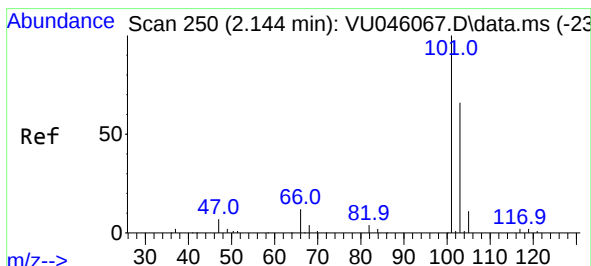
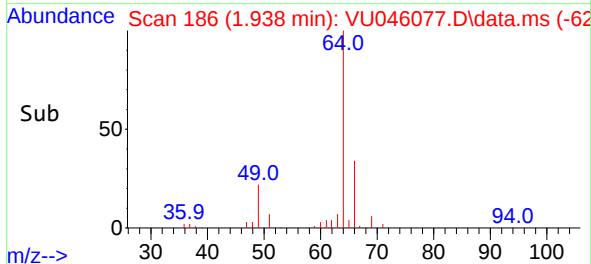
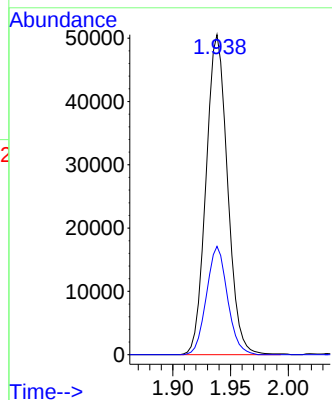
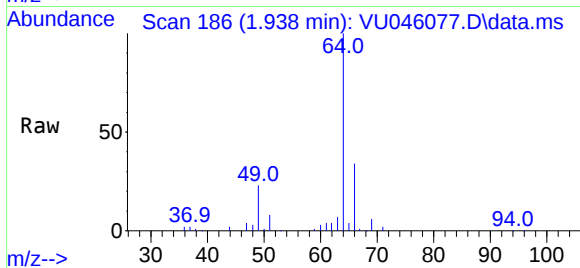
ESQN3MSD

Tgt Ion: 64 Resp: 65473

Ion Ratio Lower Upper

64 100

66 33.9 22.5 41.9



#9

Trichlorofluoromethane

Concen: 50.492 ug/L

RT: 2.141 min Scan# 249

Delta R.T. -0.003 min

Lab File: VU046077.D

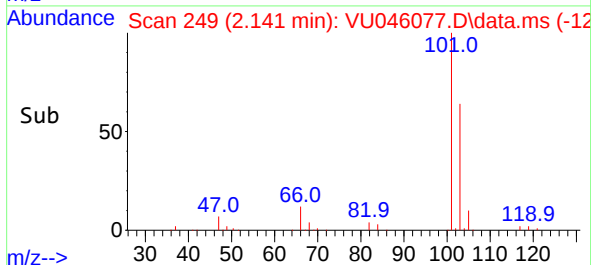
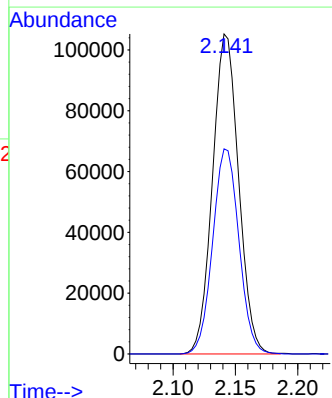
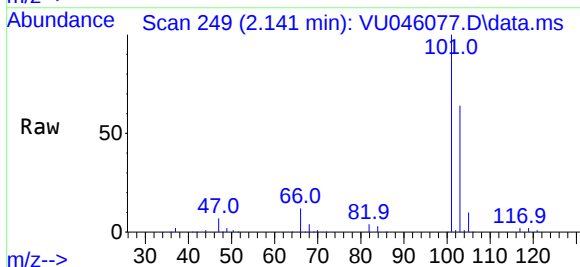
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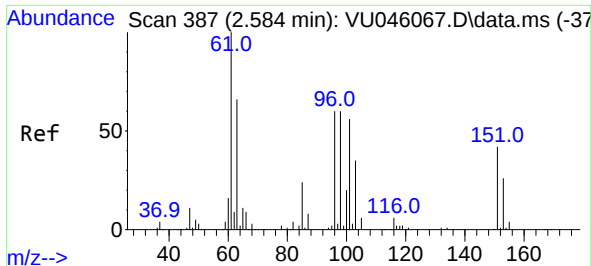
Tgt Ion:101 Resp: 153461

Ion Ratio Lower Upper

101 100

103 64.4 51.8 77.6

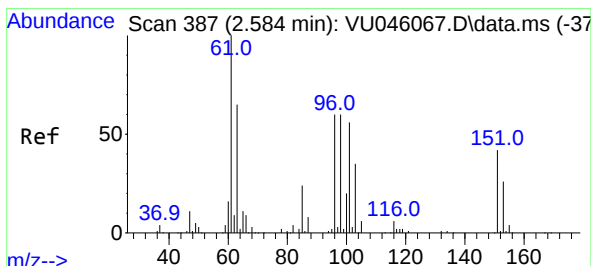
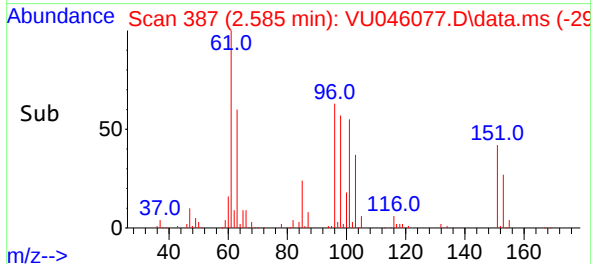
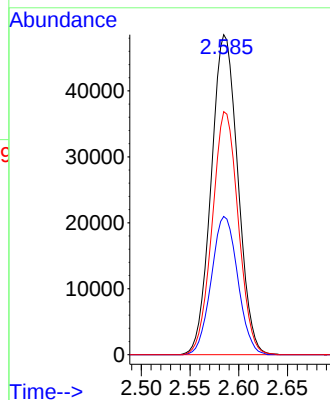
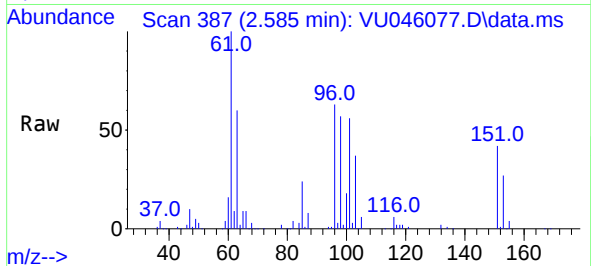




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 53.488 ug/L
RT: 2.585 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

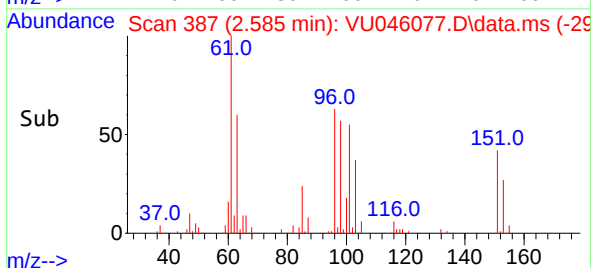
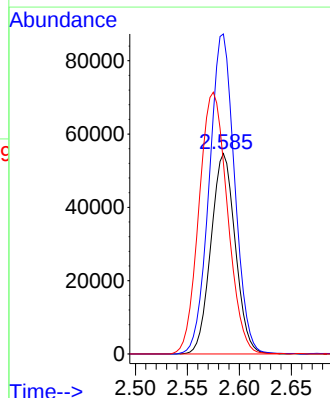
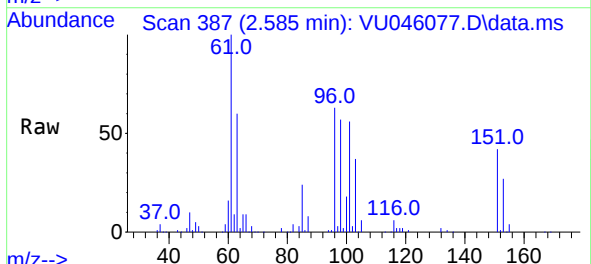
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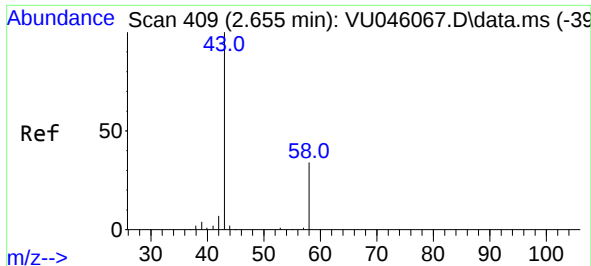
Tgt Ion:101 Resp: 92339
Ion Ratio Lower Upper
101 100
85 42.8 35.1 52.7
151 74.3 56.7 85.1



#12
1,1-Dichloroethene
Concen: 54.259 ug/L
RT: 2.585 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 96 Resp: 89011
Ion Ratio Lower Upper
96 100
61 159.8 118.6 220.2
63 95.5 93.0 172.8

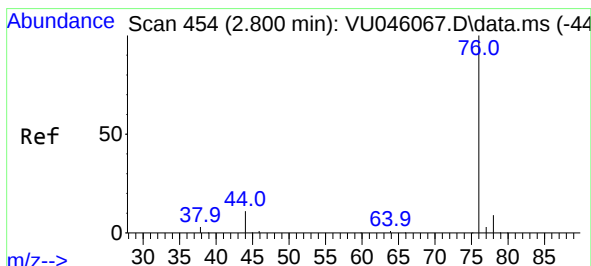
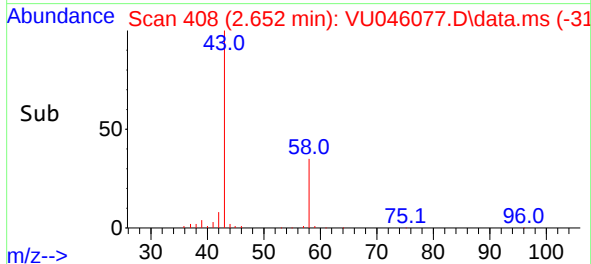
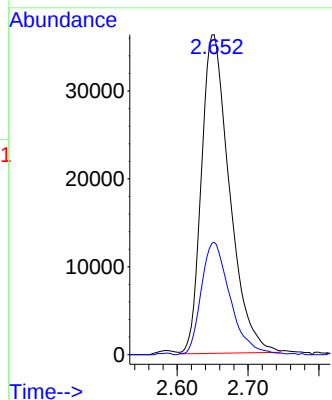
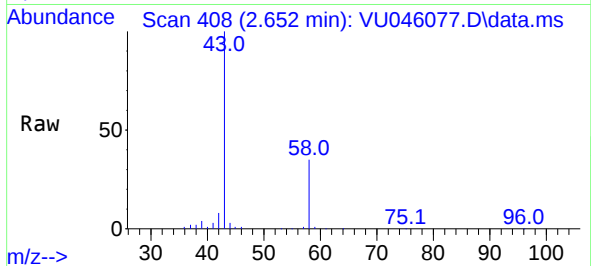




#13
Acetone
Concen: 51.454 ug/L
RT: 2.652 min Scan# 409
Delta R.T. -0.010 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

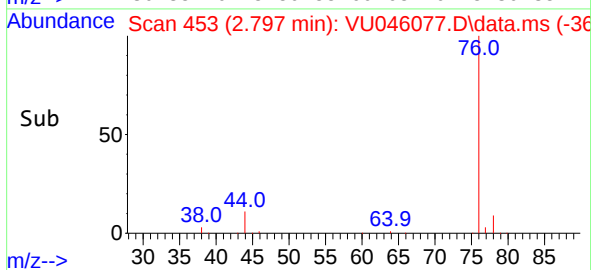
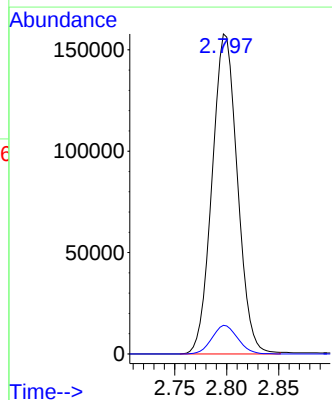
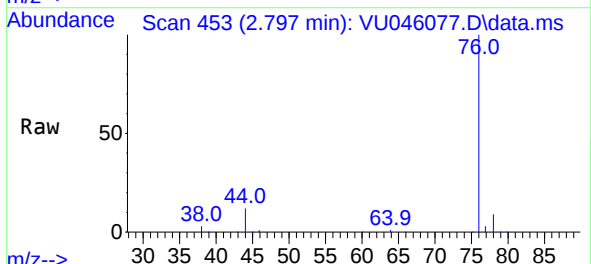
Instrument :
MSVOA_U
ClientSampleId :
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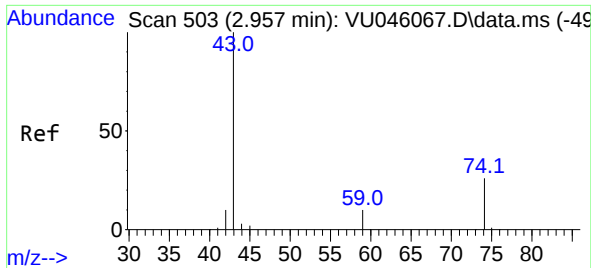
Tgt Ion: 43 Resp: 99909
Ion Ratio Lower Upper
43 100
58 36.3 0.0 66.8



#14
Carbon disulfide
Concen: 52.652 ug/L
RT: 2.797 min Scan# 453
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 76 Resp: 267979
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

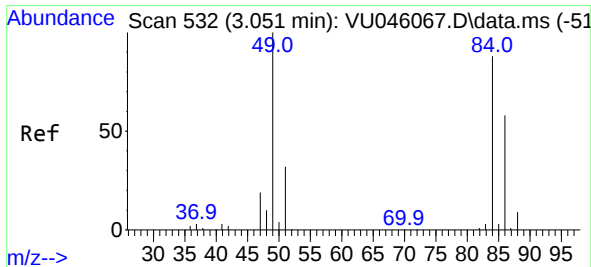
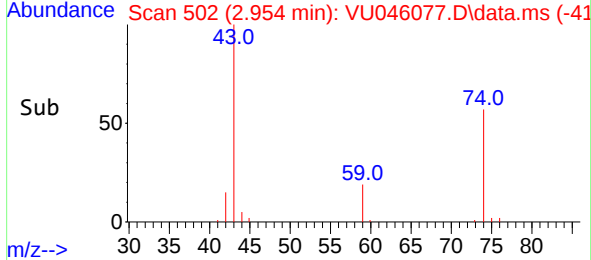
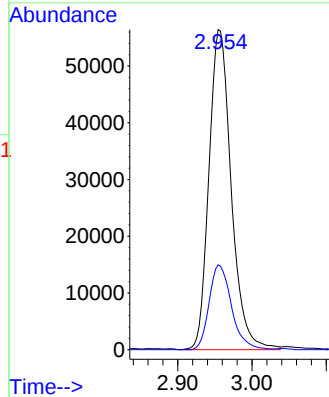
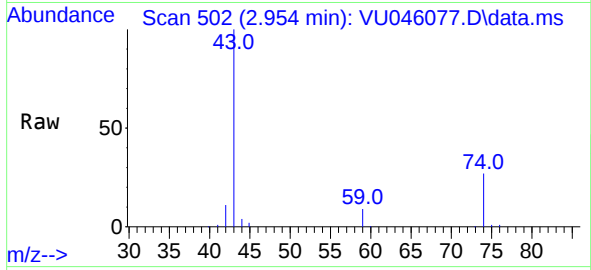




#15
Methyl Acetate
Concen: 51.925 ug/L
RT: 2.954 min Scan# 50
Delta R.T. -0.006 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

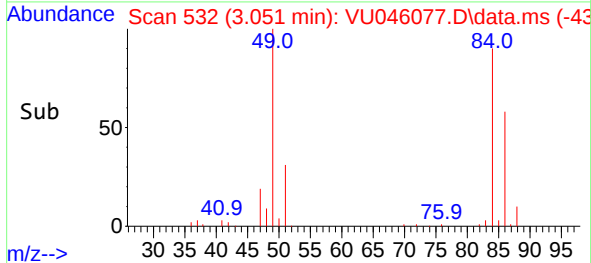
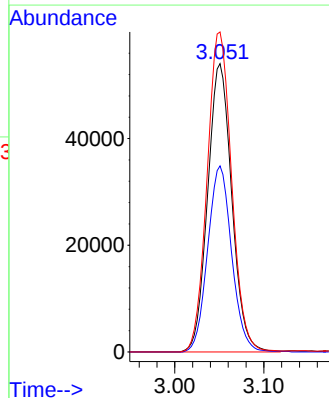
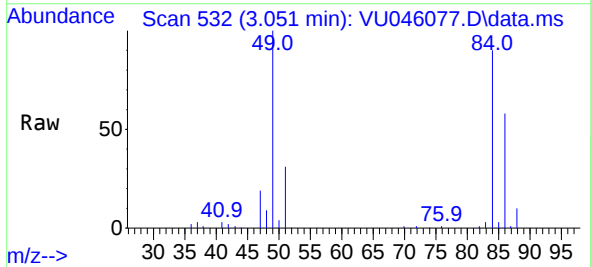
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

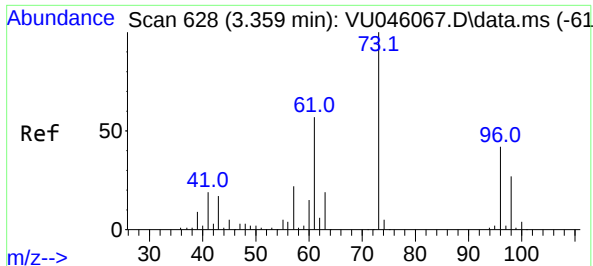
Tgt Ion: 43 Resp: 117535
Ion Ratio Lower Upper
43 100
74 26.6 20.8 31.2



#16
Methylene chloride
Concen: 52.109 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 84 Resp: 101705
Ion Ratio Lower Upper
84 100
86 64.6 44.7 83.1
49 111.0 78.4 145.6

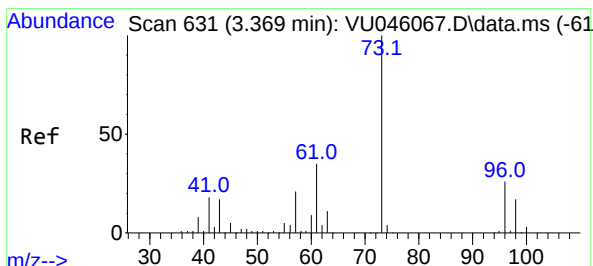
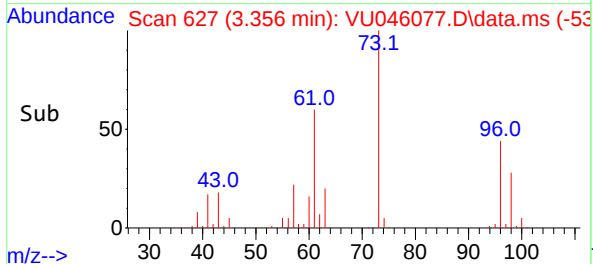
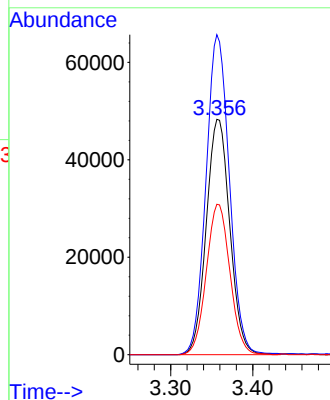
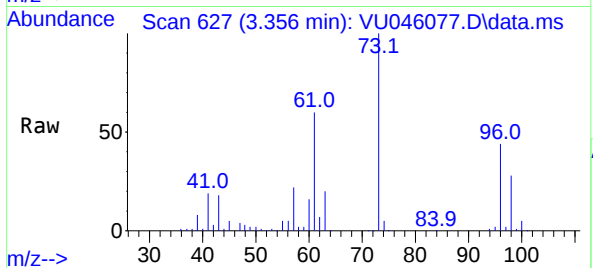




#17
trans-1,2-Dichloroethene
Concen: 55.567 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

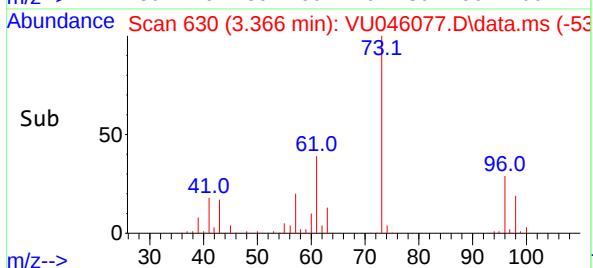
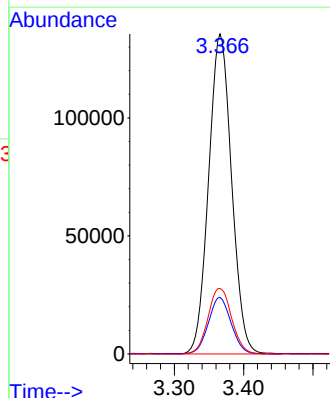
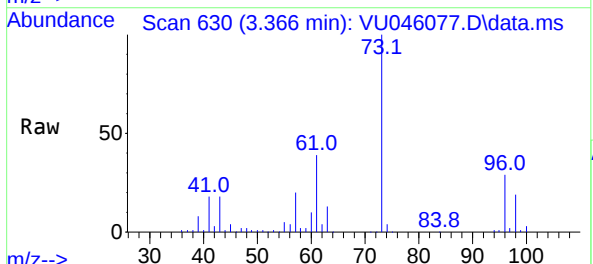
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

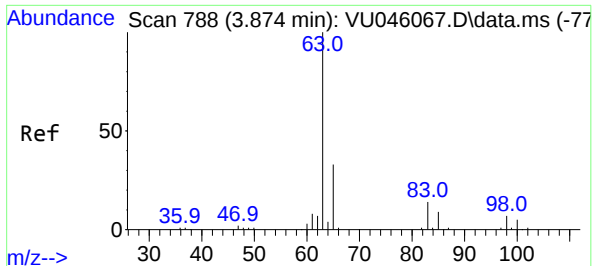
Tgt Ion: 96 Resp: 96468
Ion Ratio Lower Upper
96 100
61 136.0 94.6 175.6
98 63.9 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 58.335 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 73 Resp: 312107
Ion Ratio Lower Upper
73 100
43 17.3 14.0 21.0
57 21.1 17.0 25.4

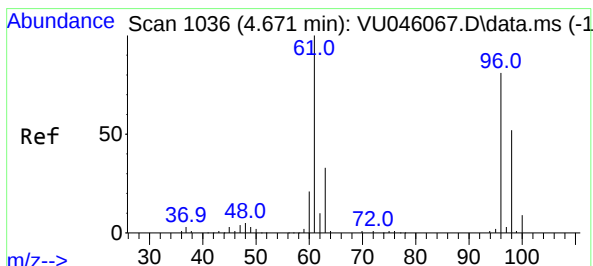
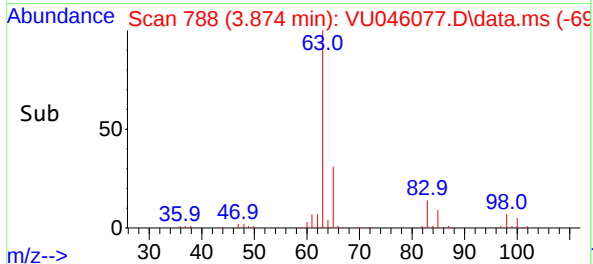
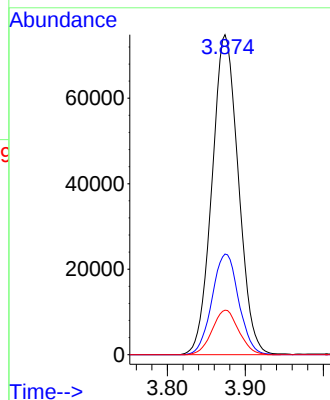
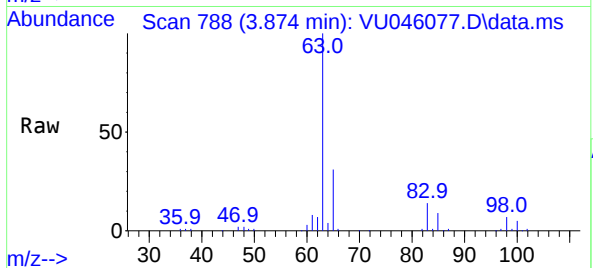




#19
1,1-Dichloroethane
Concen: 55.728 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

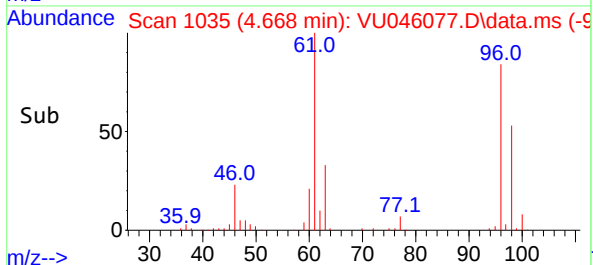
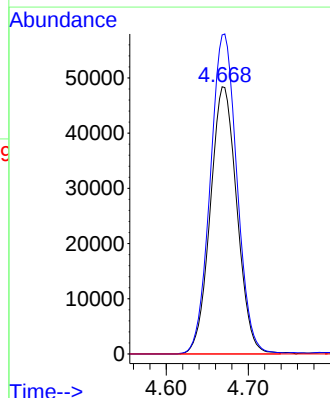
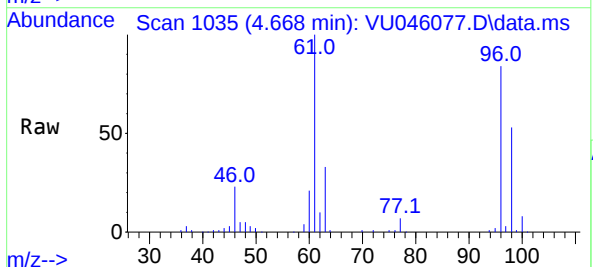
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

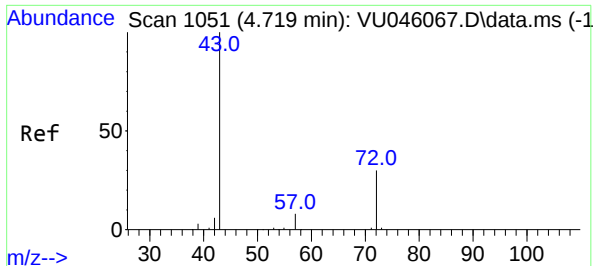
Tgt Ion: 63 Resp: 175909
Ion Ratio Lower Upper
63 100
65 31.4 22.8 42.4
83 13.9 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 57.977 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 96 Resp: 109214
Ion Ratio Lower Upper
96 100
61 119.4 86.8 161.2
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 78.637 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.010 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Instrument :

MSVOA_U

ClientSampleId :

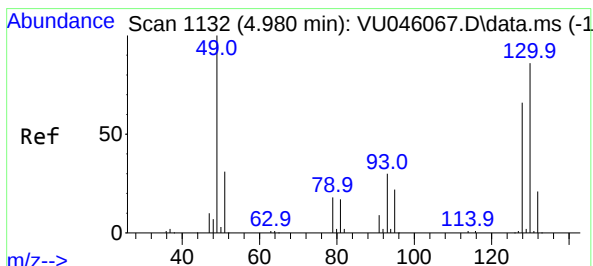
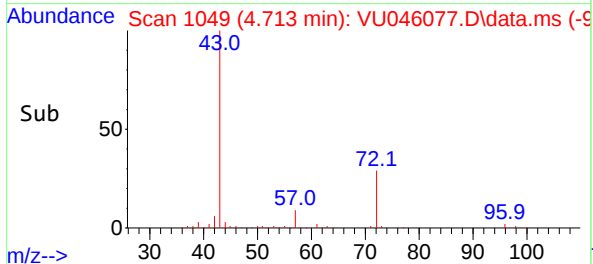
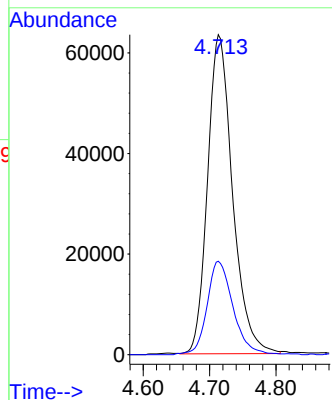
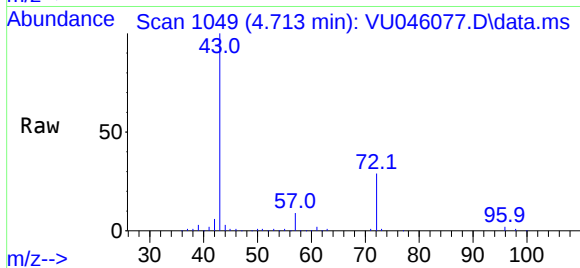
ESQN3MSD

Tgt Ion: 43 Resp: 166218

Ion Ratio Lower Upper

43 100

72 30.2 14.5 43.6



#23

Bromochloromethane

Concen: 57.550 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. -0.003 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Tgt Ion:128 Resp: 54753

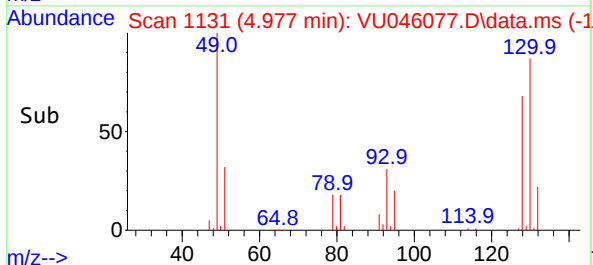
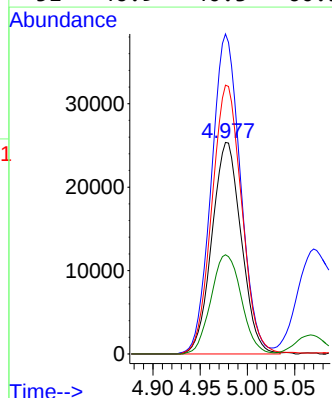
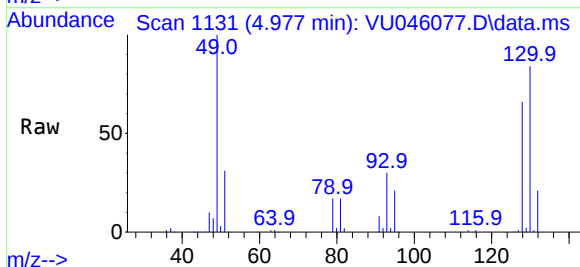
Ion Ratio Lower Upper

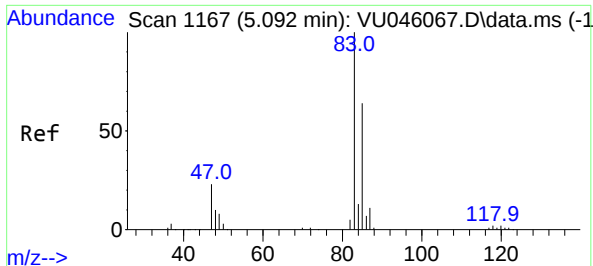
128 100

49 151.3 115.9 215.3

130 127.1 91.8 170.4

51 46.9 40.3 60.5





#25

Chloroform

Concen: 52.196 ug/L

RT: 5.089 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Instrument :

MSVOA_U

ClientSampleId :

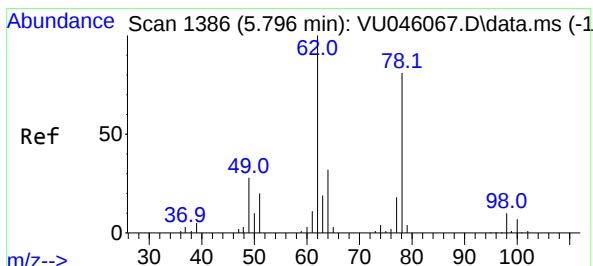
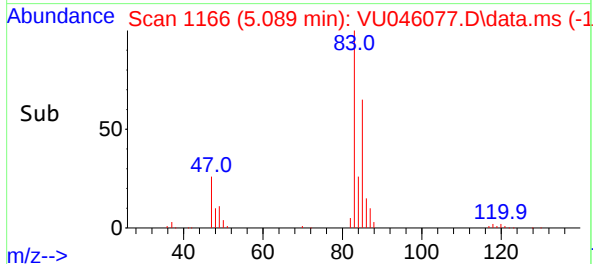
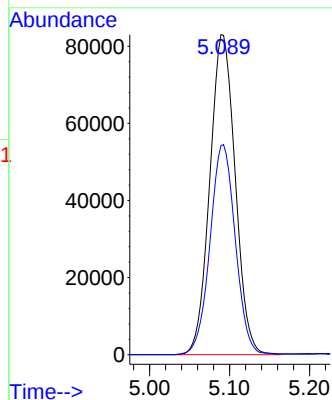
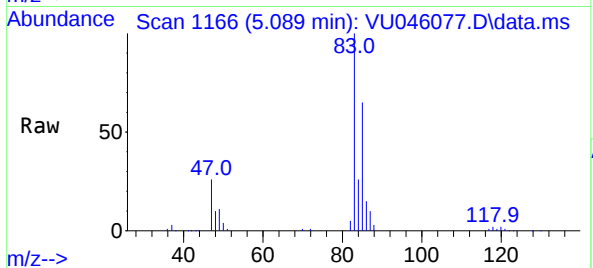
ESQN3MSD

Tgt Ion: 83 Resp: 183059

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 53.815 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046077.D

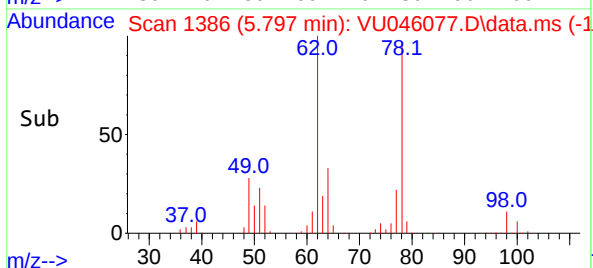
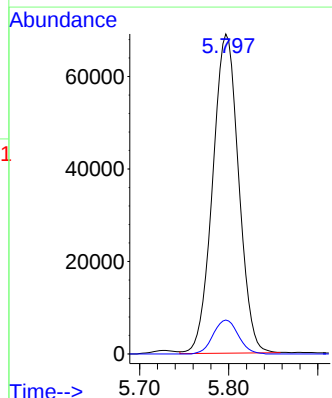
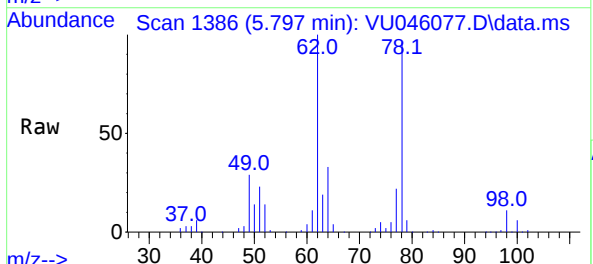
Acq: 03 Dec 2021 16:32

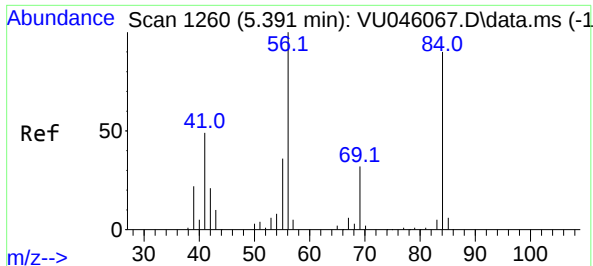
Tgt Ion: 62 Resp: 140055

Ion Ratio Lower Upper

62 100

98 10.6 7.9 11.9





#29

Cyclohexane

Concen: 58.163 ug/L

RT: 5.391 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Instrument :

MSVOA_U

ClientSampleId :

ESQN3MSD

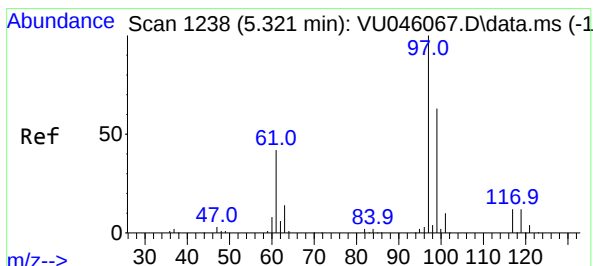
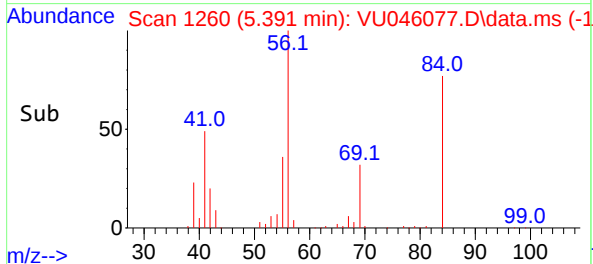
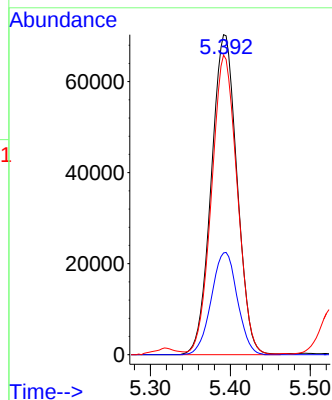
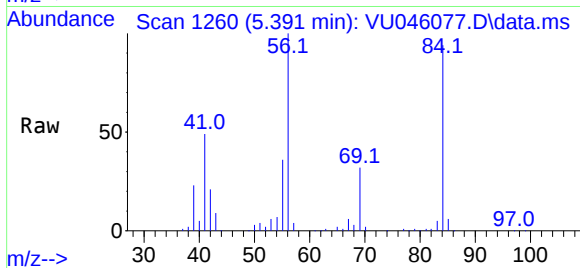
Tgt Ion: 56 Resp: 157022

Ion Ratio Lower Upper

56 100

69 32.2 25.2 37.8

84 92.5 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 56.522 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

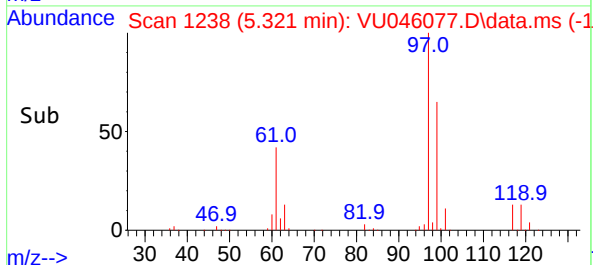
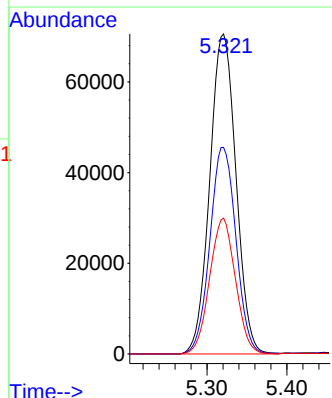
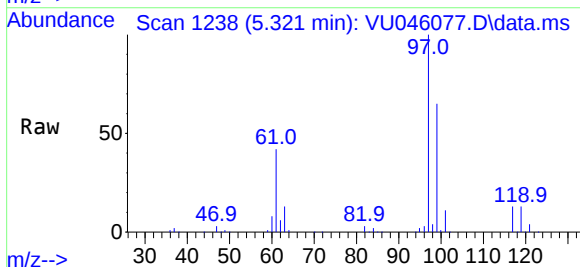
Tgt Ion: 97 Resp: 160855

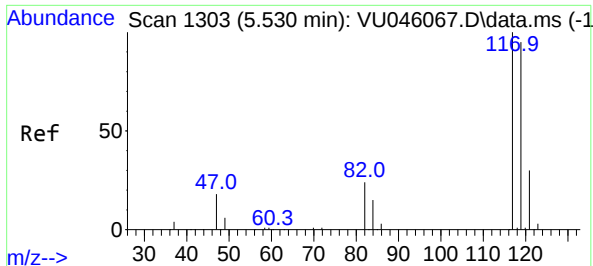
Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.6

61 41.7 34.4 51.6

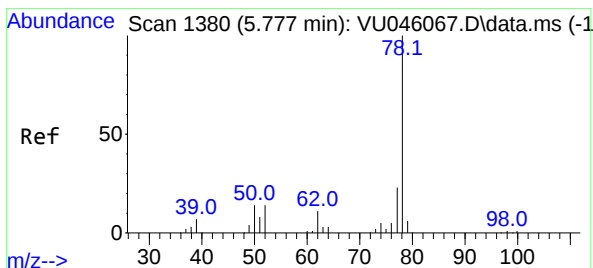
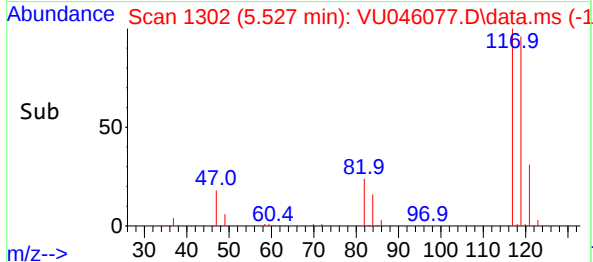
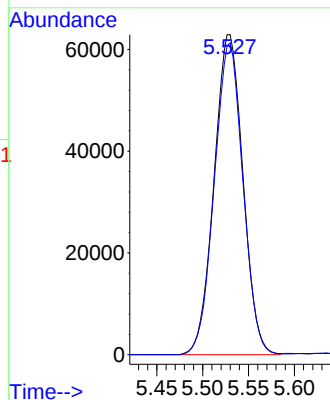
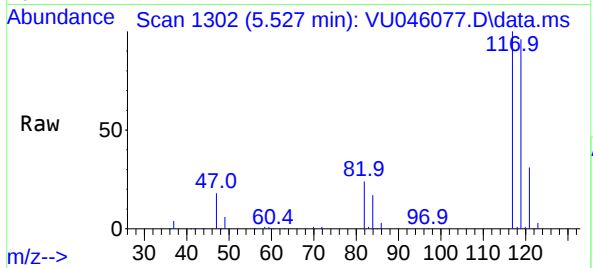




#31
Carbon tetrachloride
Concen: 56.891 ug/L
RT: 5.527 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

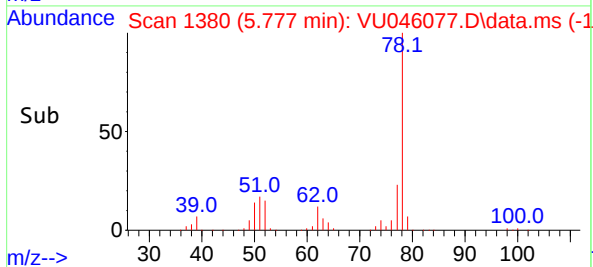
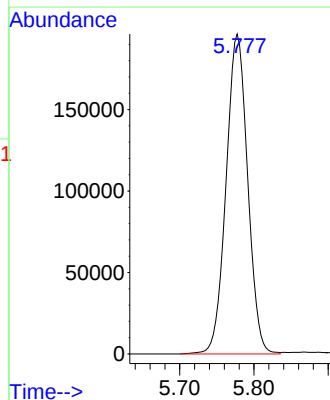
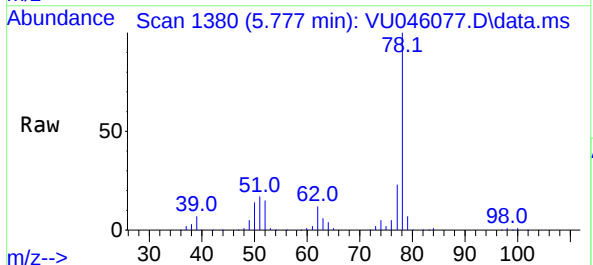
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

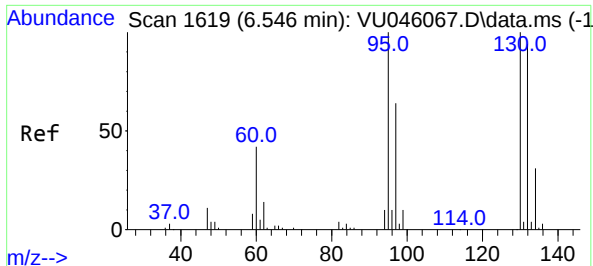
Tgt Ion:117 Resp: 137451
Ion Ratio Lower Upper
117 100
119 96.8 75.7 113.5



#33
Benzene
Concen: 56.524 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 78 Resp: 396628

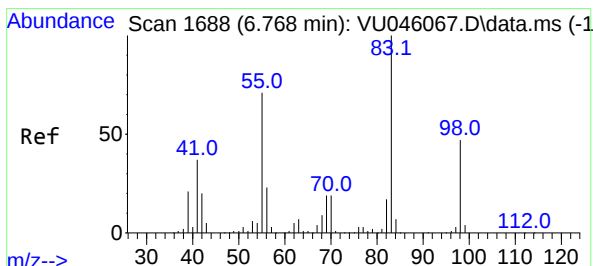
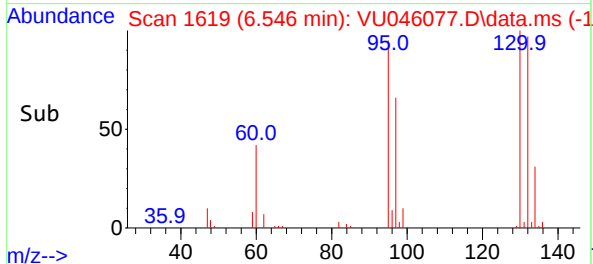
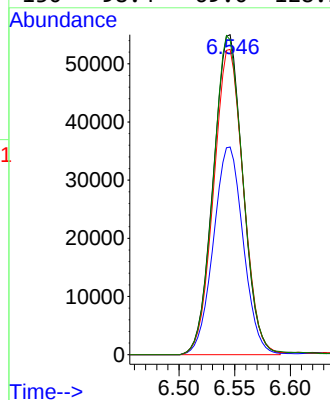
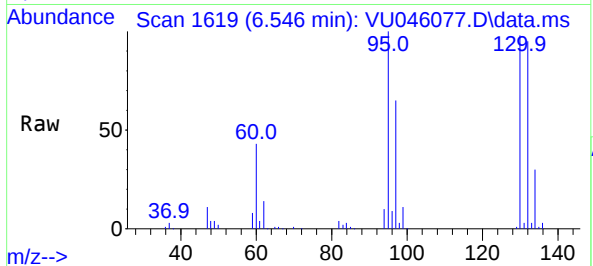




#34
Trichloroethene
Concen: 55.039 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

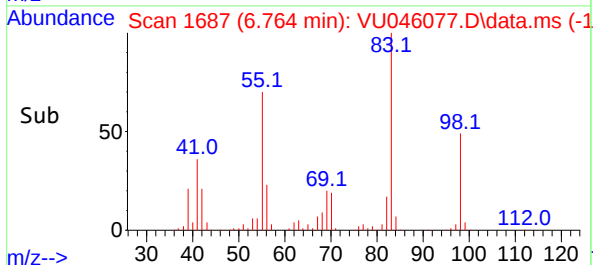
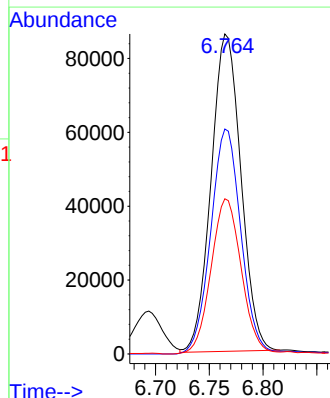
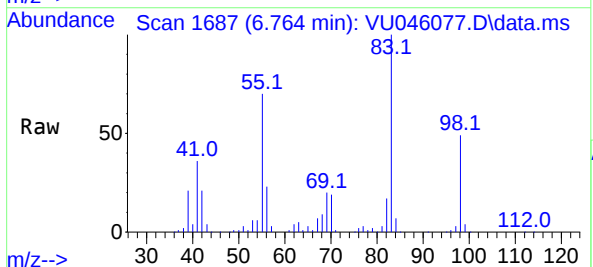
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

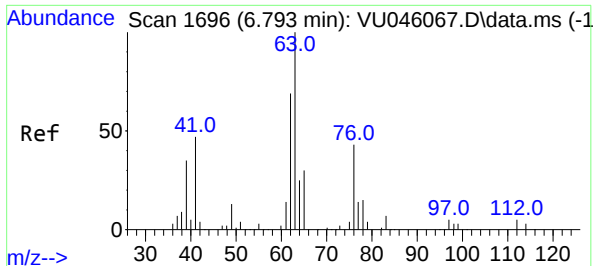
Tgt Ion: 95 Resp: 101745
Ion Ratio Lower Upper
95 100
97 64.9 44.1 81.9
132 95.4 66.8 124.0
130 98.4 69.0 128.1



#35
Methylcyclohexane
Concen: 57.783 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 83 Resp: 165625
Ion Ratio Lower Upper
83 100
55 71.8 57.8 86.6
98 49.8 38.4 57.6

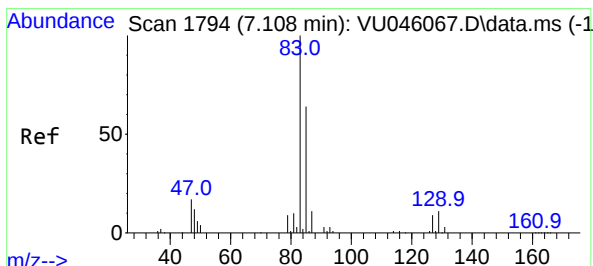
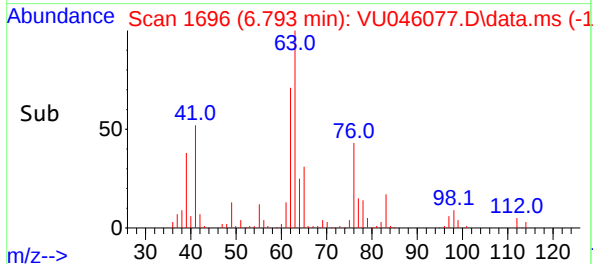
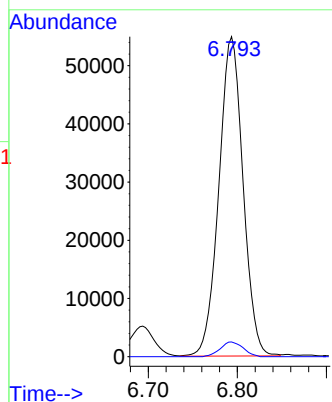
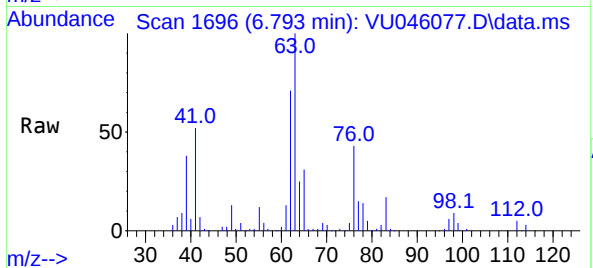




#37
1,2-Dichloropropane
Concen: 56.195 ug/L
RT: 6.793 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

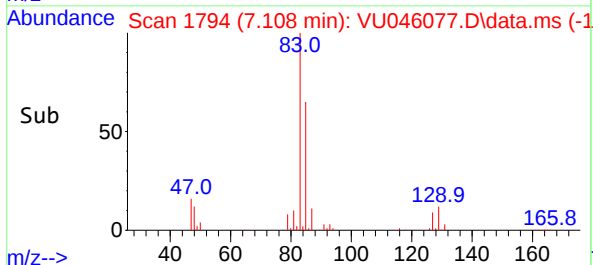
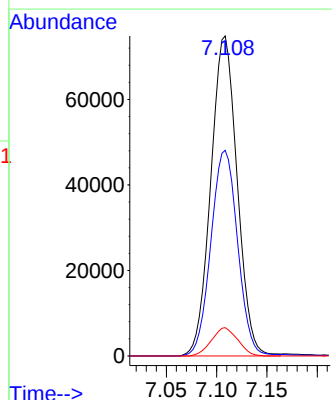
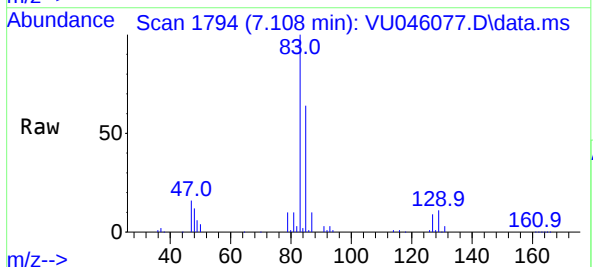
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

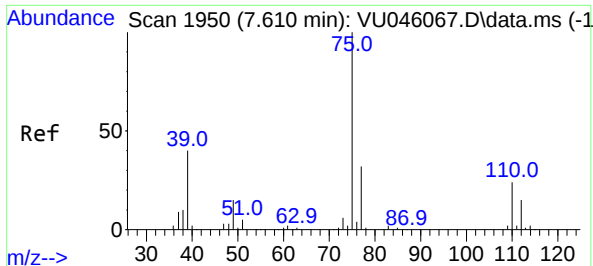
Tgt Ion: 63 Resp: 103296
Ion Ratio Lower Upper
63 100
112 4.4 3.8 5.6



#38
Bromodichloromethane
Concen: 55.965 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 83 Resp: 136735
Ion Ratio Lower Upper
83 100
85 64.3 44.4 82.5
127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 60.279 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Instrument :

MSVOA_U

ClientSampleId :

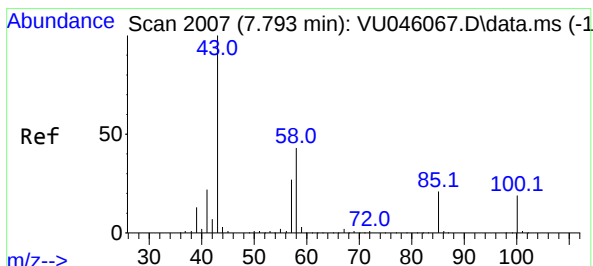
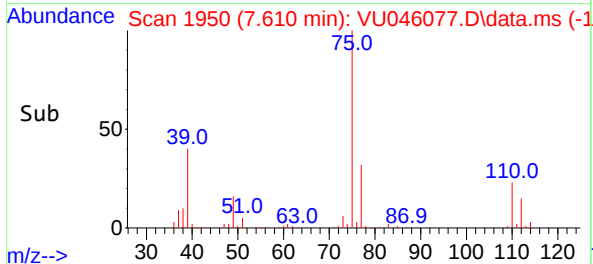
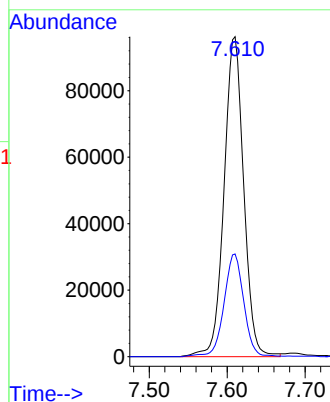
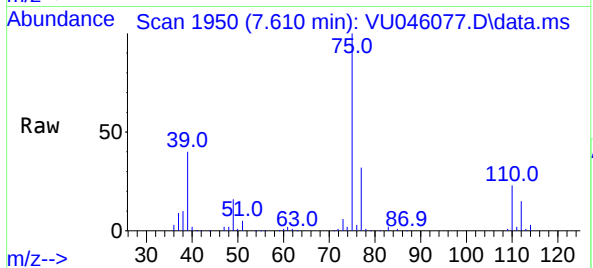
ESQN3MSD

Tgt Ion: 75 Resp: 168562

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 113.271 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

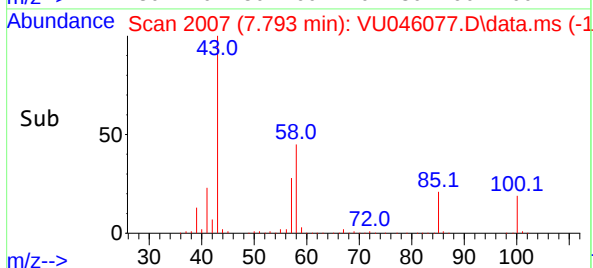
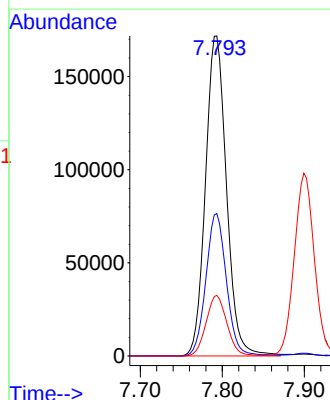
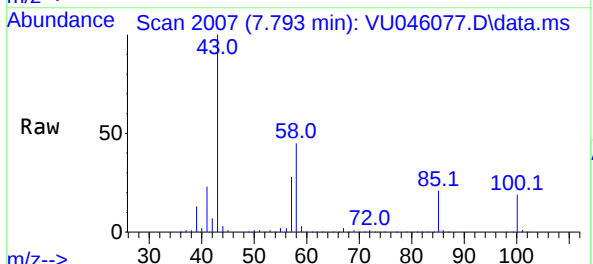
Tgt Ion: 43 Resp: 305913

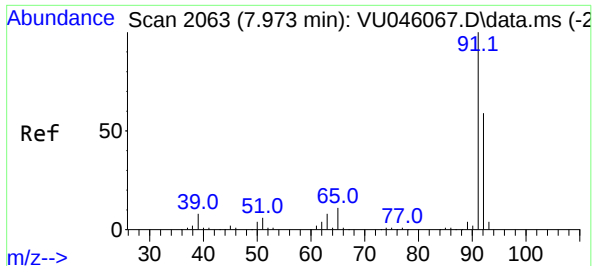
Ion Ratio Lower Upper

43 100

58 43.6 34.2 51.4

100 18.8 14.5 21.7





#42

Toluene

Concen: 58.181 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Instrument :

MSVOA_U

ClientSampleId :

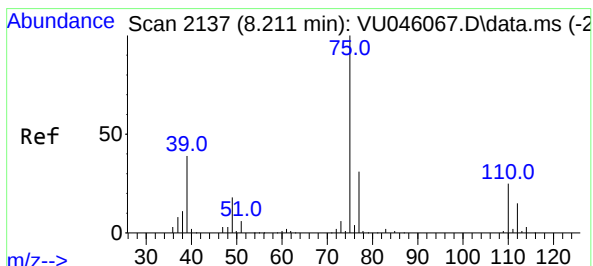
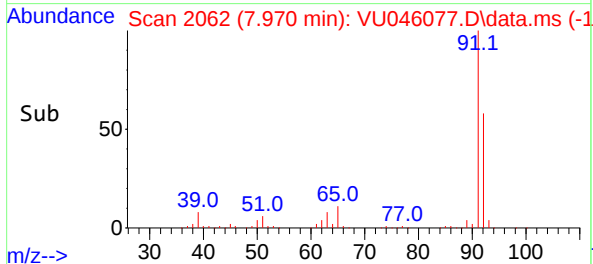
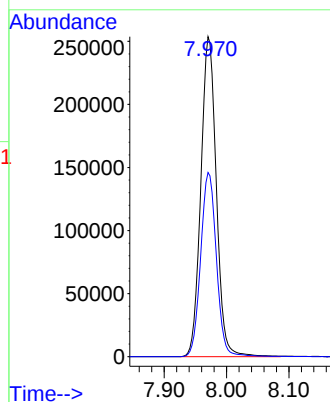
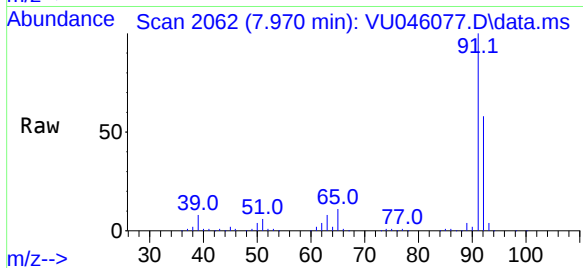
ESQN3MSD

Tgt Ion: 91 Resp: 438072

Ion Ratio Lower Upper

91 100

92 57.5 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 58.391 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046077.D

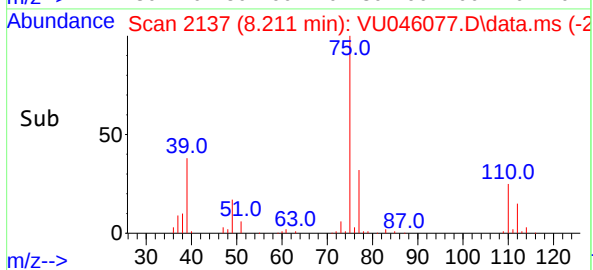
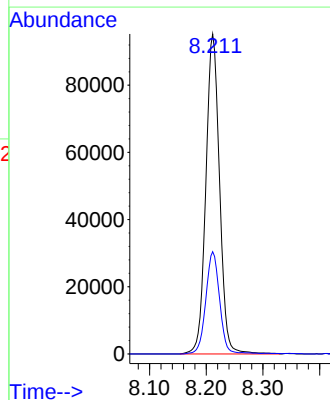
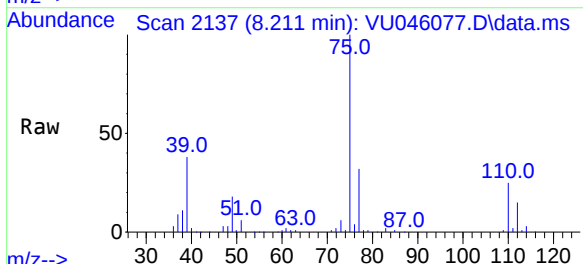
Acq: 03 Dec 2021 16:32

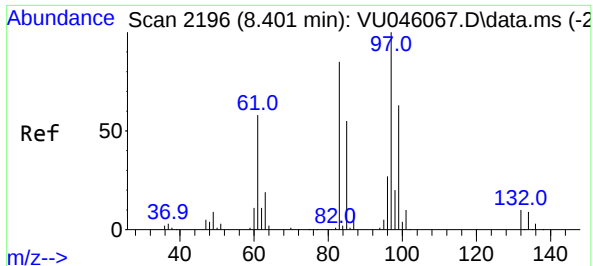
Tgt Ion: 75 Resp: 160372

Ion Ratio Lower Upper

75 100

77 31.9 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 56.301 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.003 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Instrument :

MSVOA_U

ClientSampleId :

ESQN3MSD

Tgt Ion: 97 Resp: 103827

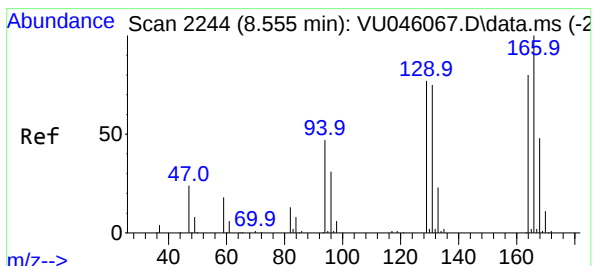
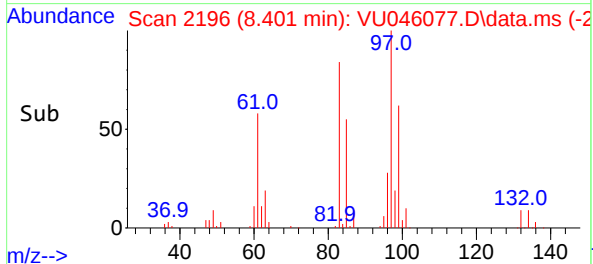
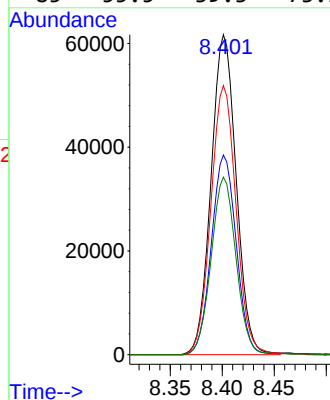
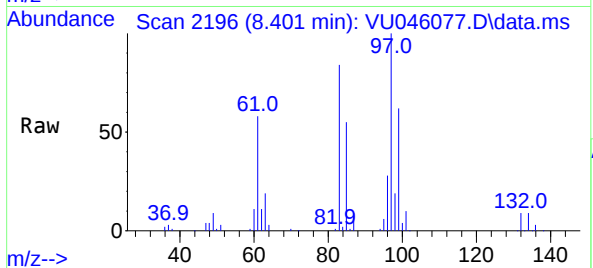
Ion Ratio Lower Upper

97 100

99 62.4 44.7 82.9

83 84.1 60.2 111.8

85 55.5 39.3 73.1



#46

Tetrachloroethene

Concen: 58.445 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Tgt Ion:164 Resp: 79396

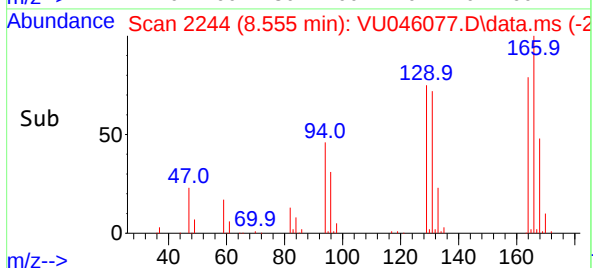
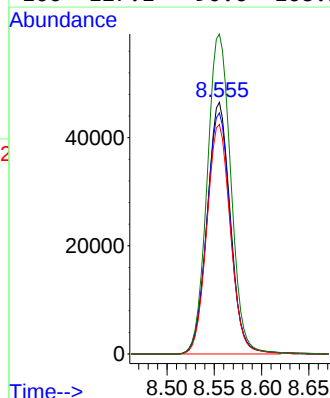
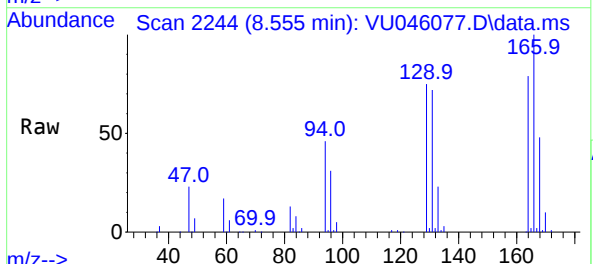
Ion Ratio Lower Upper

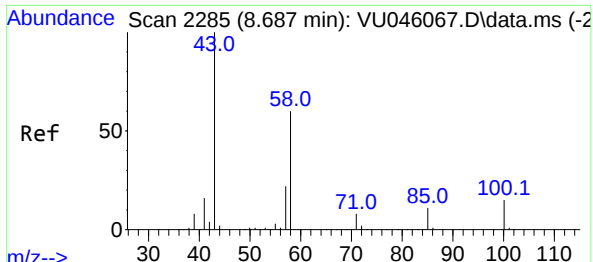
164 100

129 95.8 71.1 132.1

131 91.2 67.8 126.0

166 127.1 90.6 168.2



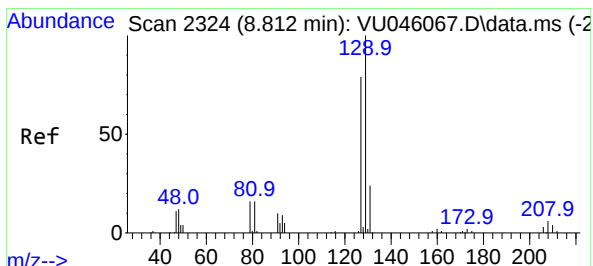
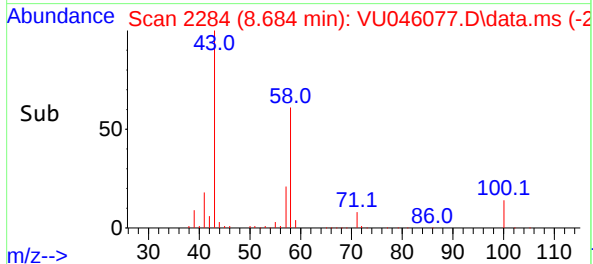
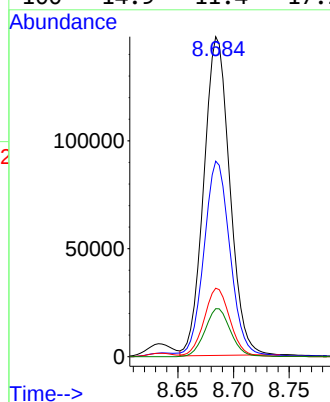
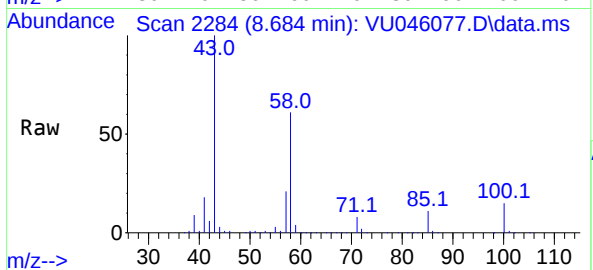


#48
2-Hexanone
Concen: 99.166 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

Tgt Ion: 43 Resp: 239516

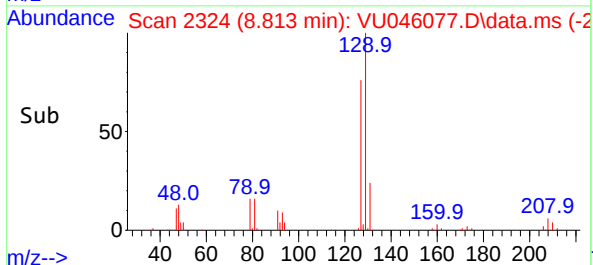
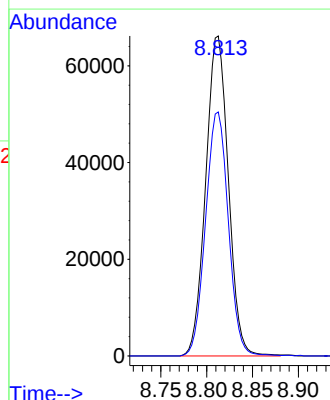
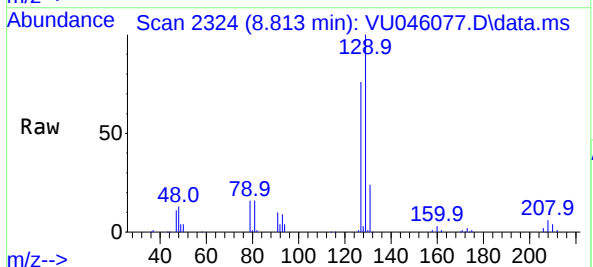
Ion	Ratio	Lower	Upper
43	100		
58	61.5	47.4	71.2
57	21.7	16.6	25.0
100	14.9	11.4	17.2

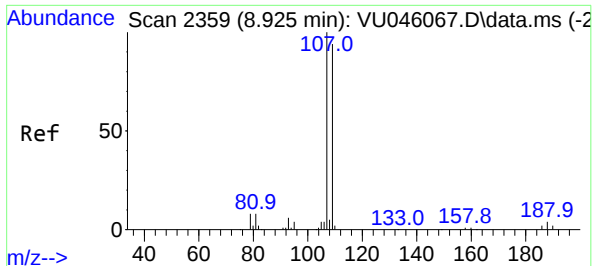


#49
Dibromochloromethane
Concen: 58.776 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 129 Resp: 113824

Ion	Ratio	Lower	Upper
129	100		
127	76.2	55.6	103.4





#50

1,2-Dibromoethane

Concen: 57.331 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Instrument :

MSVOA_U

ClientSampleId :

ESQN3MSD

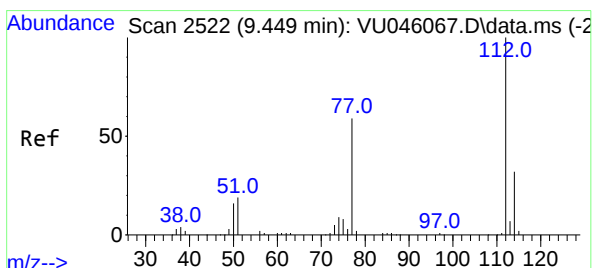
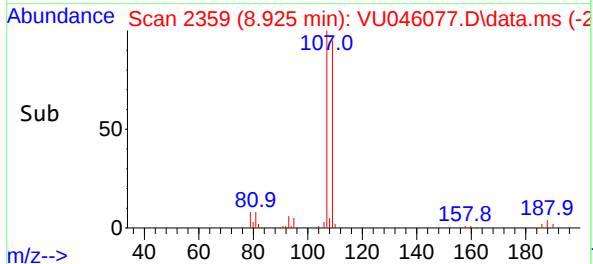
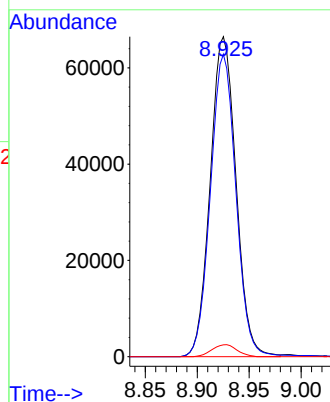
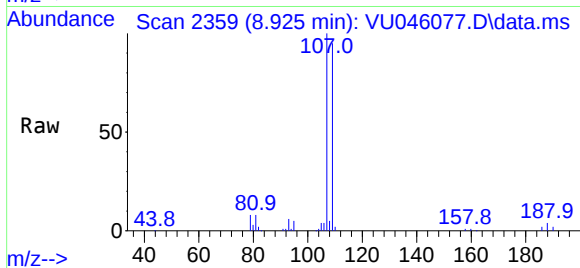
Tgt Ion:107 Resp: 114627

Ion Ratio Lower Upper

107 100

109 94.5 64.9 120.5

188 3.7 2.6 3.8



#51

Chlorobenzene

Concen: 57.088 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

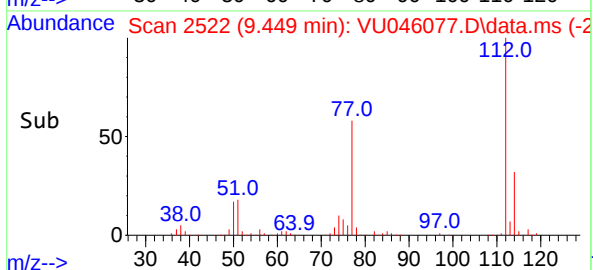
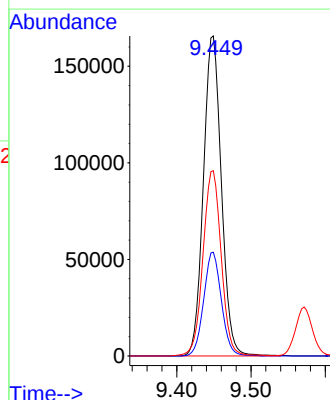
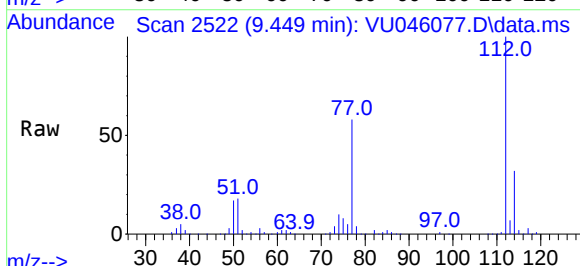
Tgt Ion:112 Resp: 278088

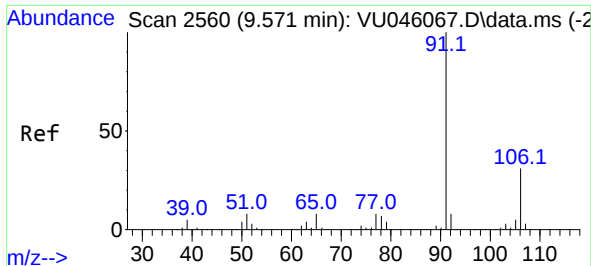
Ion Ratio Lower Upper

112 100

114 32.4 22.2 41.2

77 57.9 47.4 71.0

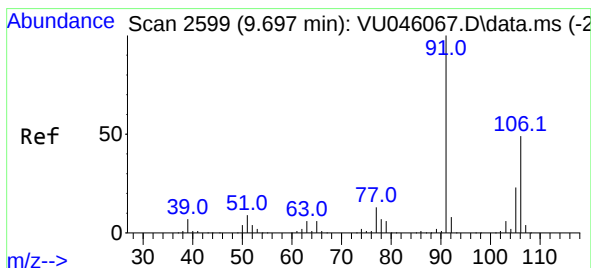
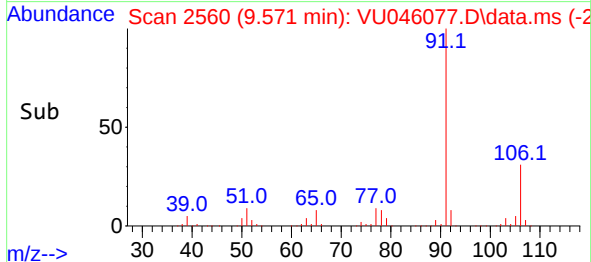
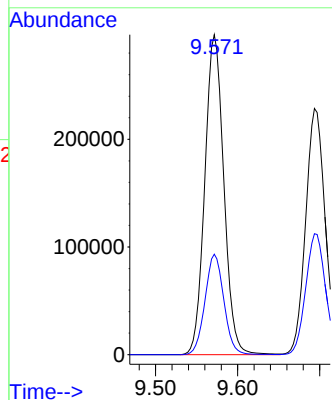
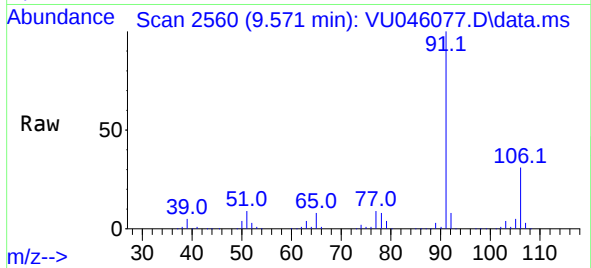




#52
Ethylbenzene
Concen: 59.049 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

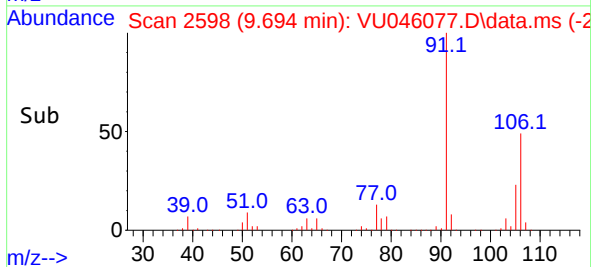
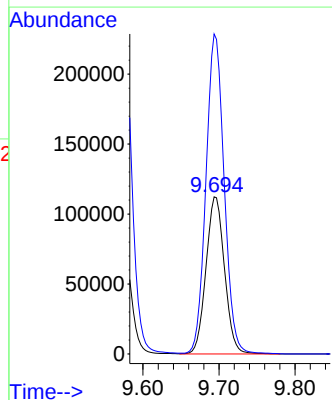
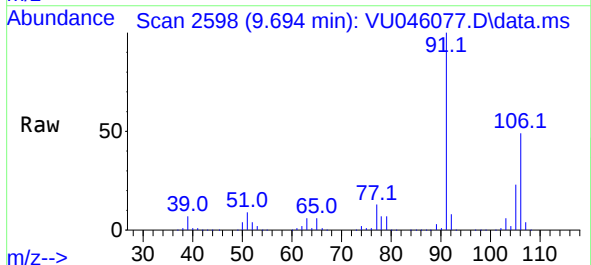
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

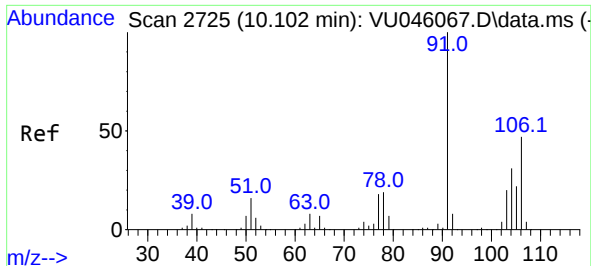
Tgt Ion: 91 Resp: 478492
Ion Ratio Lower Upper
91 100
106 31.4 21.1 39.3



#53
m,p-Xylene
Concen: 60.098 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 106 Resp: 189922
Ion Ratio Lower Upper
106 100
91 203.7 144.3 268.1

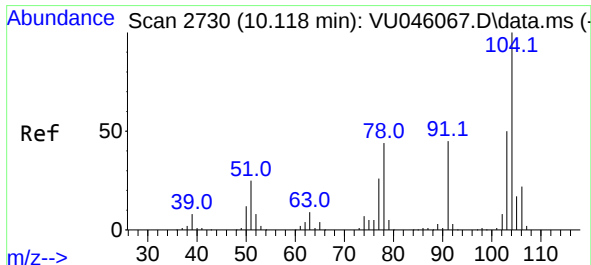
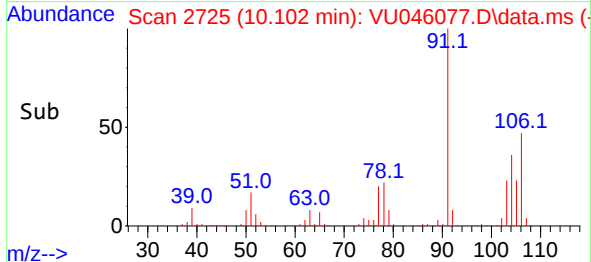
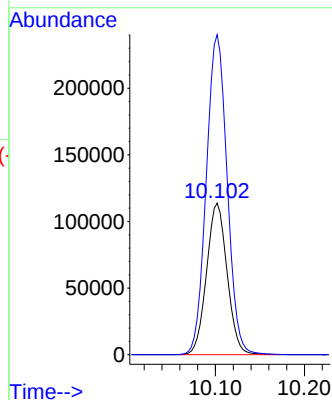
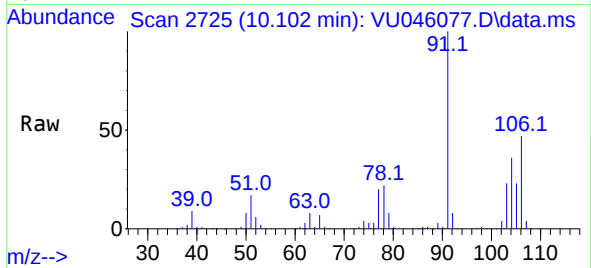




#54
o-xylene
Concen: 59.450 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

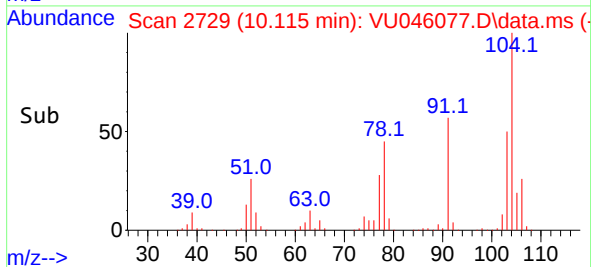
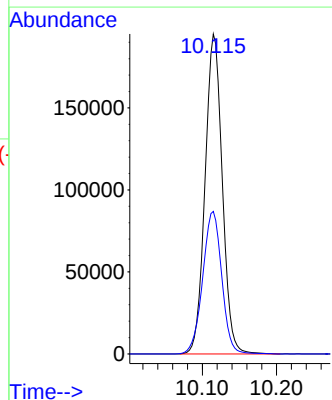
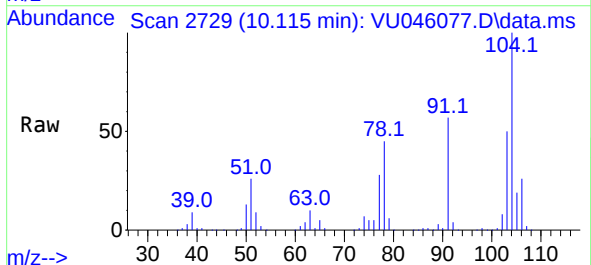
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

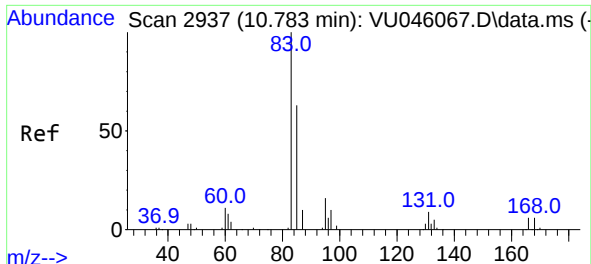
Tgt Ion:106 Resp: 182298
Ion Ratio Lower Upper
106 100
91 211.1 154.2 286.4



#55
Styrene
Concen: 59.990 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion:104 Resp: 314064
Ion Ratio Lower Upper
104 100
78 44.5 32.6 60.5

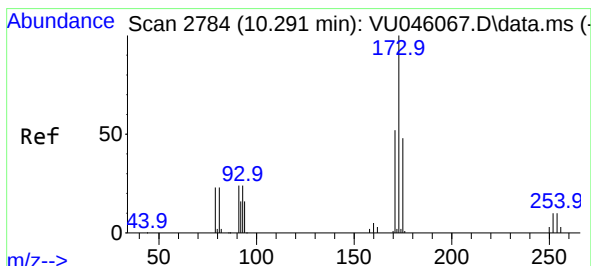
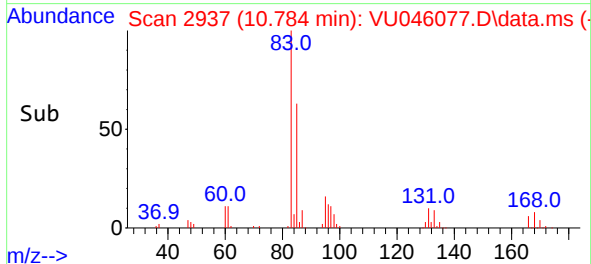
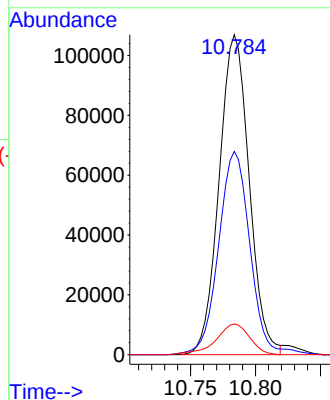
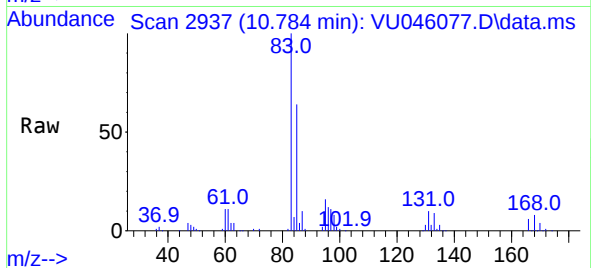




#57
1,1,2,2-Tetrachloroethane
Concen: 54.444 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

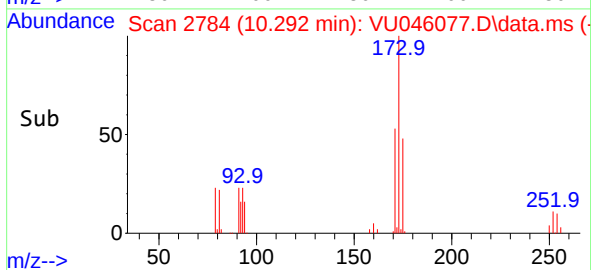
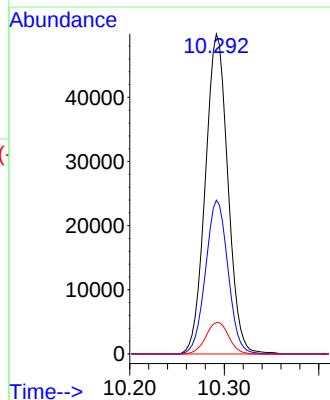
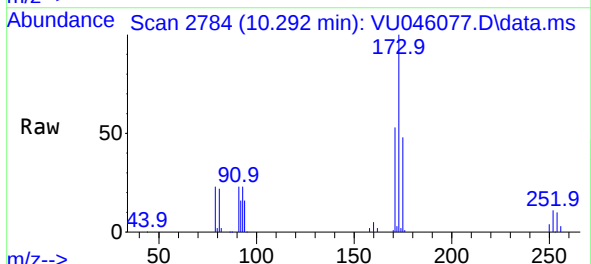
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

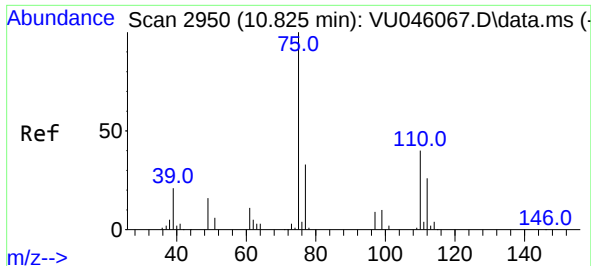
Tgt Ion: 83 Resp: 172134
Ion Ratio Lower Upper
83 100
85 63.5 45.6 84.6
131 9.6 7.8 11.6



#59
Bromoform
Concen: 56.885 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion:173 Resp: 82656
Ion Ratio Lower Upper
173 100
175 47.7 39.2 58.8
254 10.0 7.4 11.2

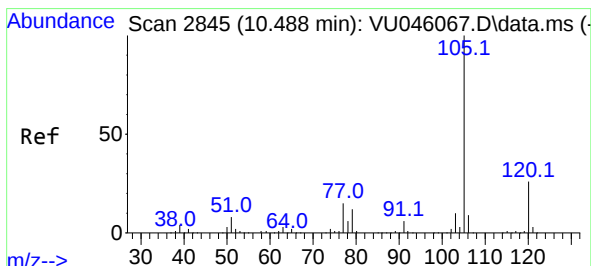
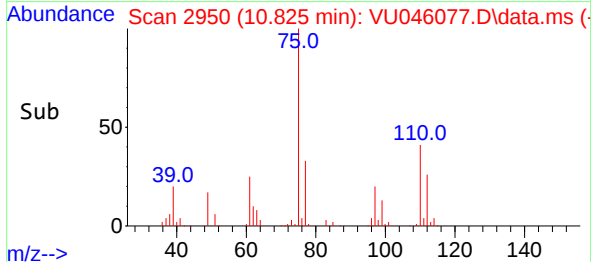
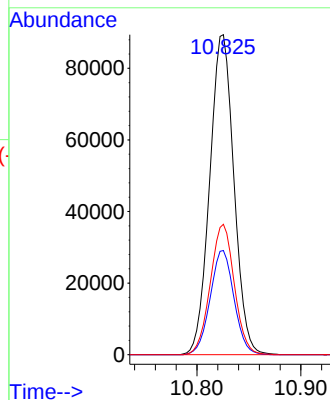
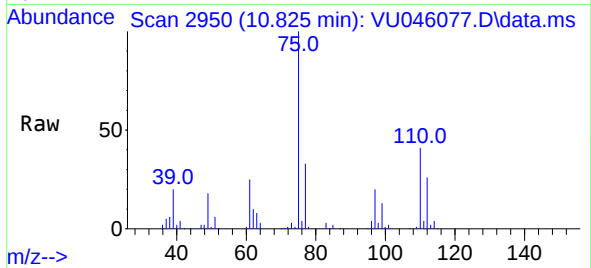




#60
1,2,3-Trichloropropane
Concen: 53.339 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

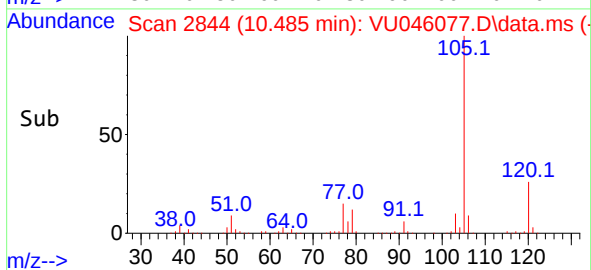
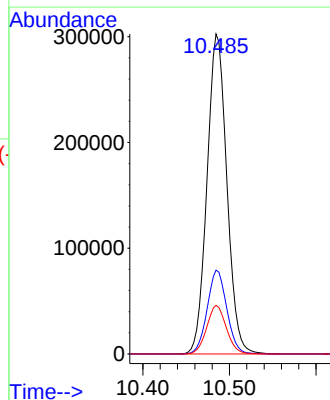
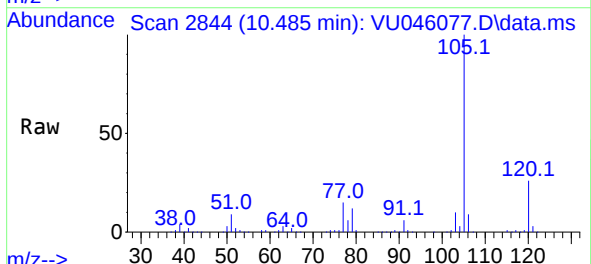
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

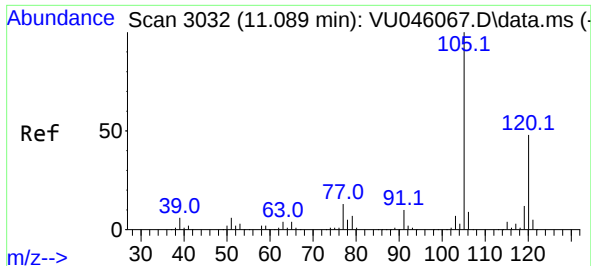
Tgt Ion: 75 Resp: 144824
Ion Ratio Lower Upper
75 100
77 32.1 26.4 39.6
110 40.4 32.4 48.6



#61
Isopropylbenzene
Concen: 59.727 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion: 105 Resp: 481338
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 15.1 12.2 18.4

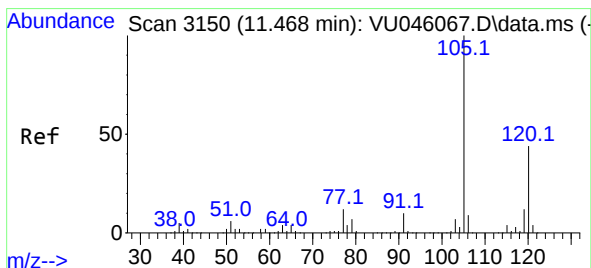
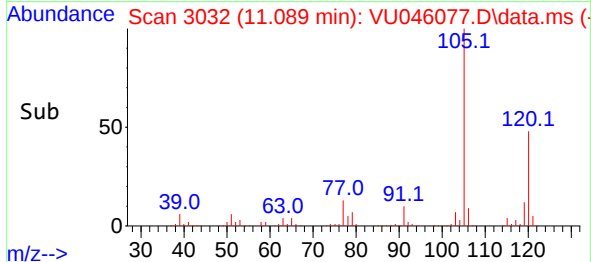
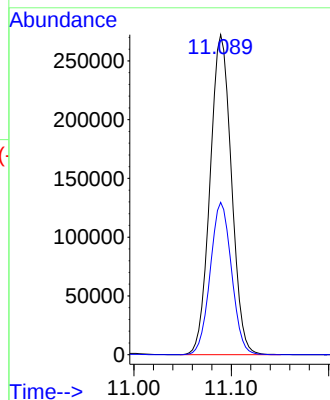
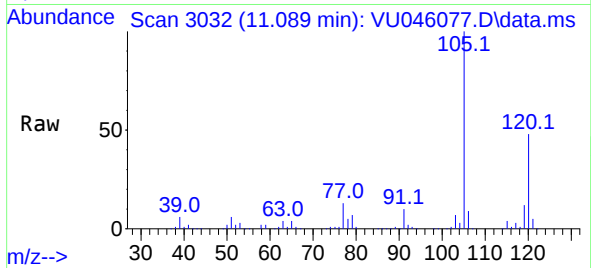




#62
1,3,5-Trimethylbenzene
Concen: 61.813 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

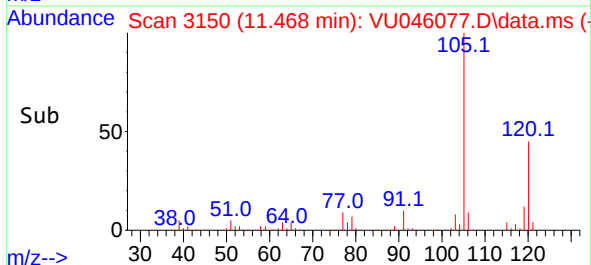
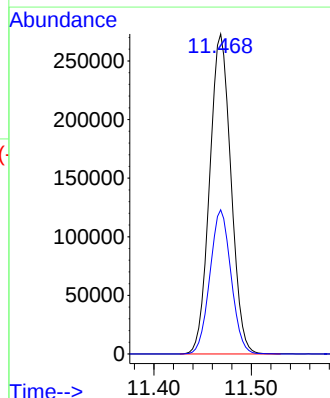
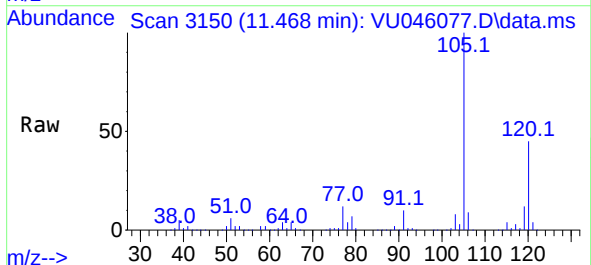
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

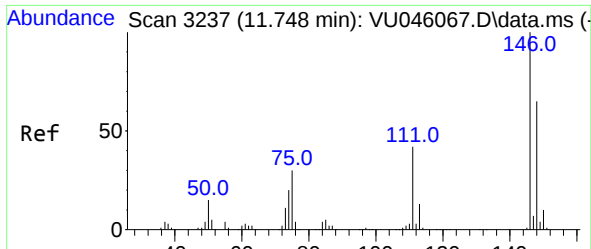
Tgt Ion:105 Resp: 415214
Ion Ratio Lower Upper
105 100
120 47.4 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 61.601 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion:105 Resp: 413991
Ion Ratio Lower Upper
105 100
120 44.7 35.2 52.8

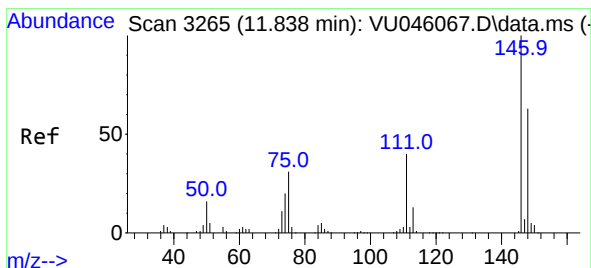
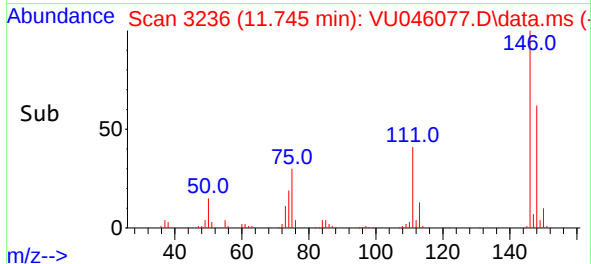
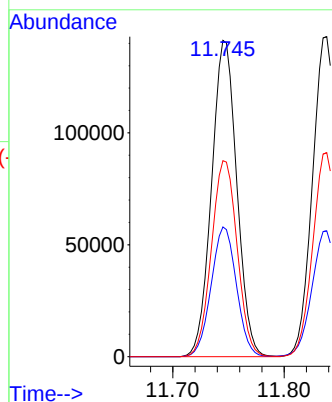
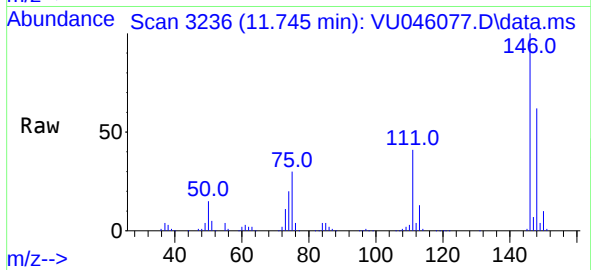




#64
1,3-Dichlorobenzene
Concen: 58.101 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

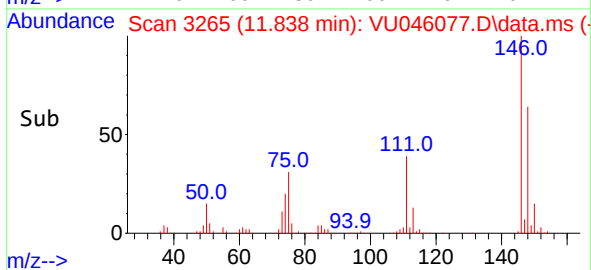
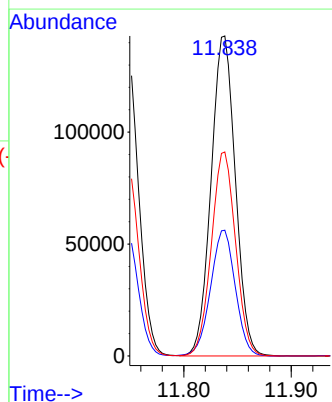
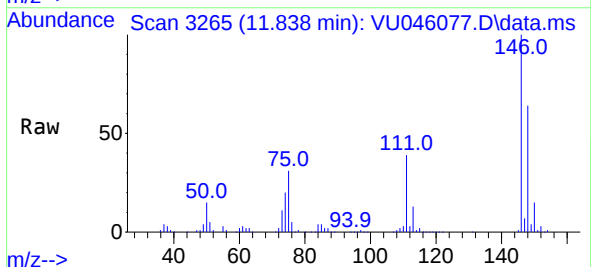
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

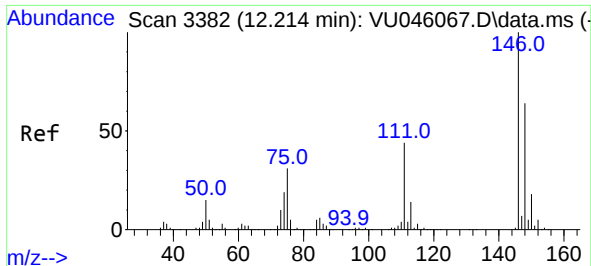
Tgt Ion:146 Resp: 222415
Ion Ratio Lower Upper
146 100
111 41.0 29.5 54.9
148 62.0 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 56.838 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion:146 Resp: 224872
Ion Ratio Lower Upper
146 100
111 39.3 28.3 52.7
148 63.7 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 56.248 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

Instrument :

MSVOA_U

ClientSampleId :

ESQN3MSD

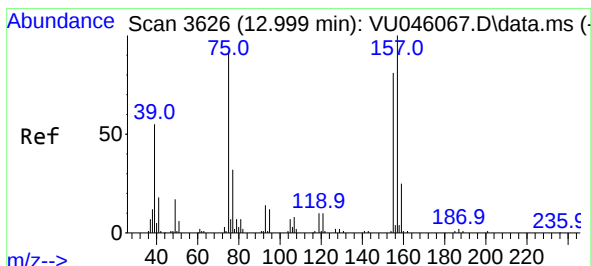
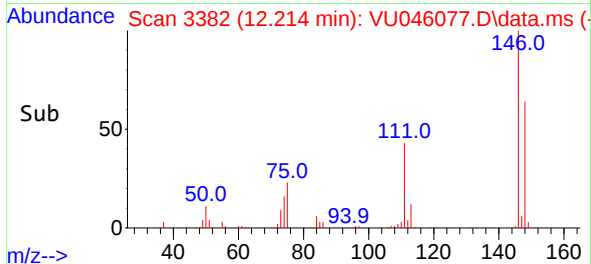
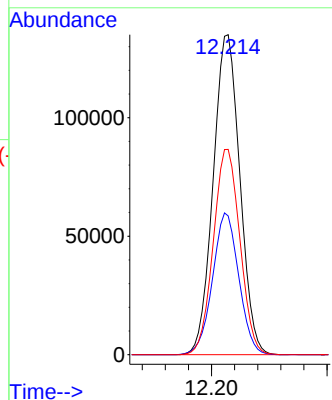
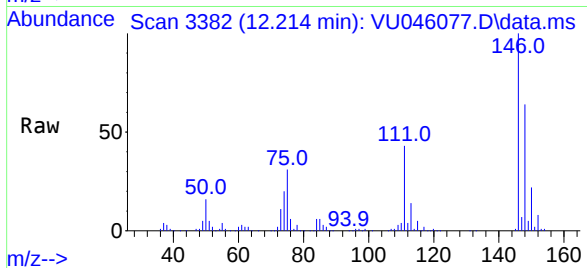
Tgt Ion:146 Resp: 216836

Ion Ratio Lower Upper

146 100

111 43.4 35.7 53.5

148 64.1 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 56.195 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046077.D

Acq: 03 Dec 2021 16:32

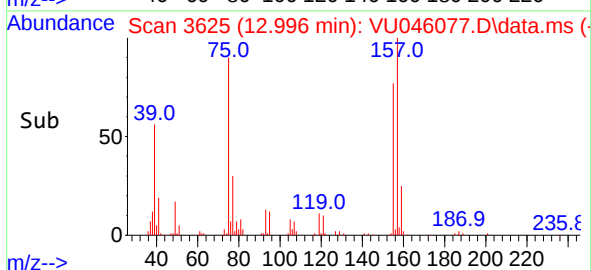
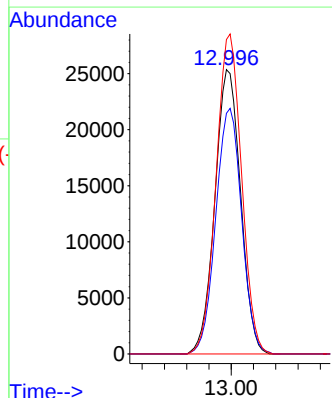
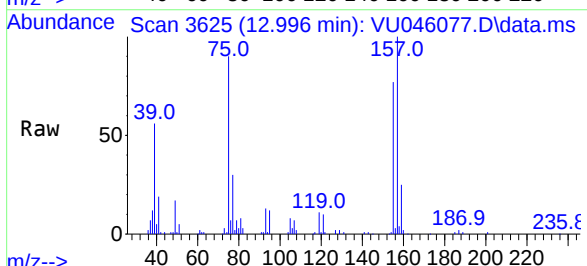
Tgt Ion: 75 Resp: 40647

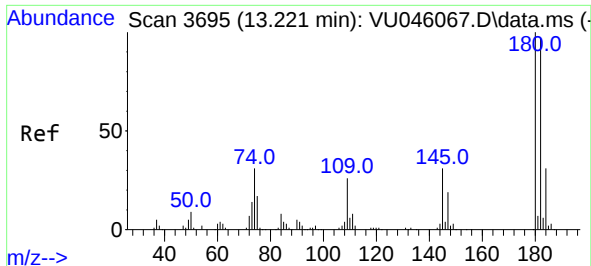
Ion Ratio Lower Upper

75 100

155 84.7 64.9 97.3

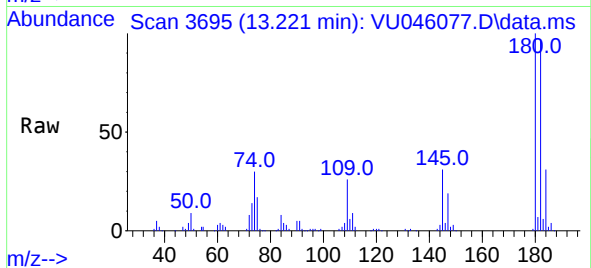
157 110.6 81.9 122.9



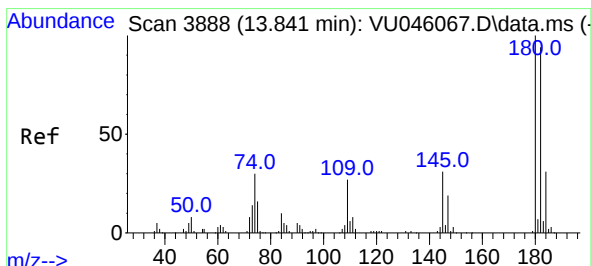
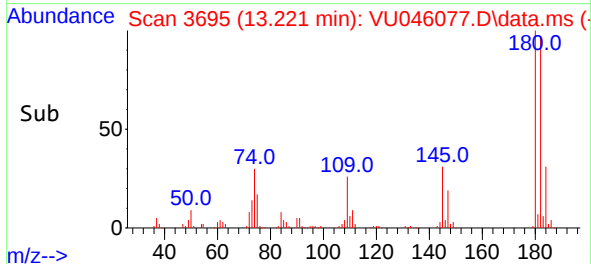
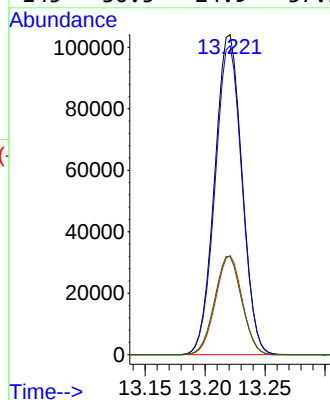


#69
1,3,5-Trichlorobenzene
Concen: 59.120 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

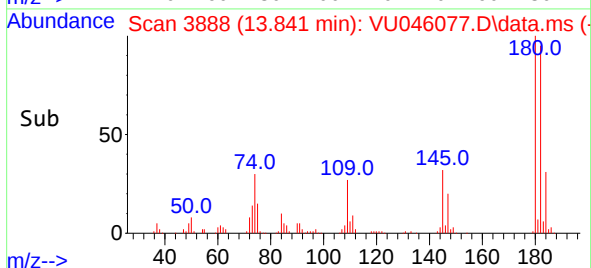
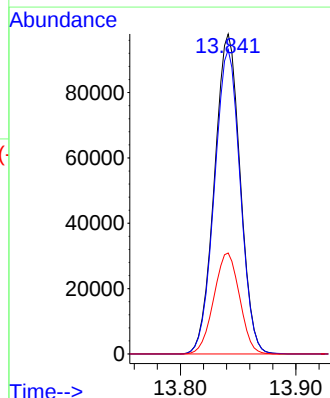
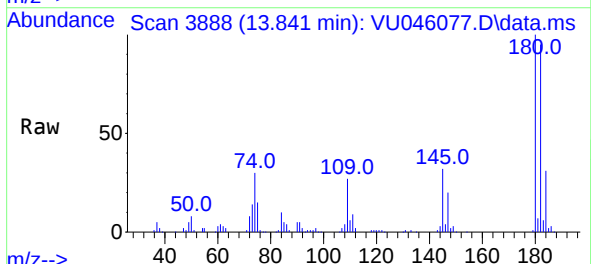


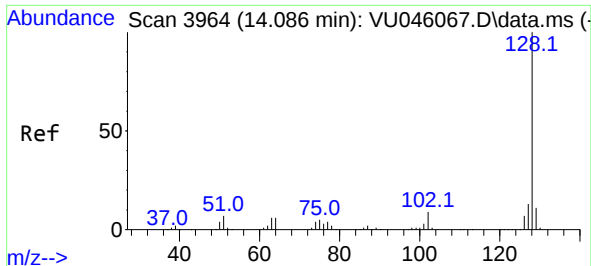
Tgt Ion:180 Resp: 164904
Ion Ratio Lower Upper
180 100
182 95.6 75.9 113.9
184 30.2 24.2 36.4
145 30.5 24.9 37.3



#70
1,2,4-trichlorobenzene
Concen: 61.147 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion:180 Resp: 151351
Ion Ratio Lower Upper
180 100
182 95.3 76.7 115.1
145 31.6 26.0 39.0

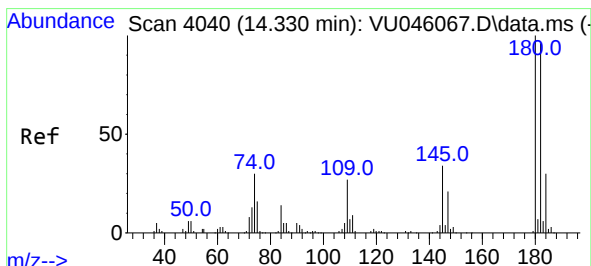
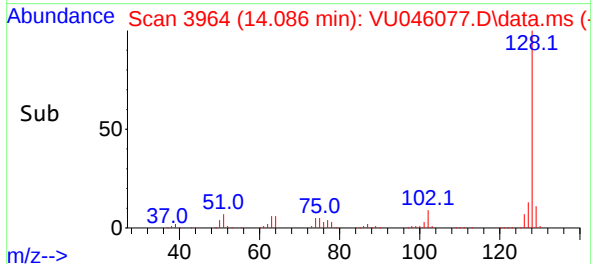
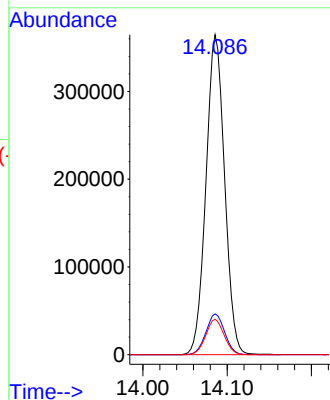
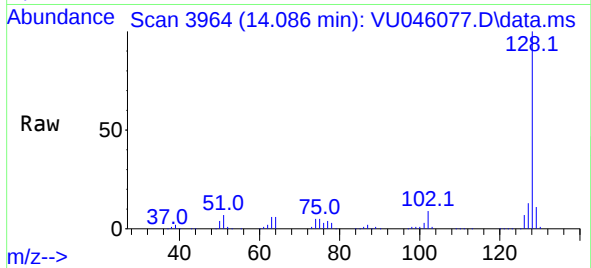




#71
Naphthalene
Concen: 65.136 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Instrument :
MSVOA_U
ClientSampleId :
ESQN3MSD

Tgt Ion:128 Resp: 561032
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 61.182 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046077.D
Acq: 03 Dec 2021 16:32

Tgt Ion:180 Resp: 154428
Ion Ratio Lower Upper
180 100
182 94.9 76.0 114.0
145 33.6 27.3 40.9

