

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071122\
 Data File : VU049669.D
 Acq On : 11 Jul 2022 11:34
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100004

Quant Time: Jul 12 02:12:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 12 02:09:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	246276	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	231787	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	114047	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	210216	129.014	ug/L	0.00
7) Chloroethane-d5	1.899	69	148709	124.707	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	373251	123.388	ug/L	0.00
21) 2-Butanone-d5	4.620	46	363398	216.398	ug/L	0.00
24) Chloroform-d	5.063	84	375108	113.132	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	244357	113.374	ug/L	0.00
32) Benzene-d6	5.726	84	711632	118.994	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	240344	120.094	ug/L	0.00
41) Toluene-d8	7.896	98	629646	119.300	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	107167	115.101	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	227359	222.923	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	328796	101.361	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	219717	109.268	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	284800	121.971	ug/L	99
3) Chloromethane	1.520	50	300670	120.150	ug/L	100
5) Vinyl chloride	1.604	62	283306	121.530	ug/L	99
6) Bromomethane	1.845	94	117536	94.158	ug/L	98
8) Chloroethane	1.922	64	154036	118.749	ug/L	99
9) Trichlorofluoromethane	2.131	101	351193	110.160	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	183114	102.509	ug/L	99
12) 1,1-Dichloroethene	2.575	96	172463	109.738	ug/L	87
13) Acetone	2.626	43	291508	209.867	ug/L	97
14) Carbon disulfide	2.787	76	570974	133.361	ug/L	98
15) Methyl Acetate	2.944	43	267657	102.129	ug/L	100
16) Methylene chloride	3.041	84	211259	103.673	ug/L	98
17) trans-1,2-Dichloroethene	3.349	96	186552	108.423	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	652631	103.145	ug/L	99
19) 1,1-Dichloroethane	3.867	63	391144	105.745	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	211756	102.577	ug/L	97
22) 2-Butanone	4.700	43	433981	211.283	ug/L	100
23) Bromochloromethane	4.973	128	106716	99.139	ug/L	97
25) Chloroform	5.086	83	391358	102.661	ug/L	100
27) 1,2-Dichloroethane	5.793	62	328060	104.449	ug/L	99
29) Cyclohexane	5.388	56	371480	131.790	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	329097	100.480	ug/L	99
31) Carbon tetrachloride	5.523	117	271481	95.895	ug/L	99
33) Benzene	5.774	78	854245	109.915	ug/L	100
34) Trichloroethene	6.539	95	207643	106.875	ug/L	96
35) Methylcyclohexane	6.761	83	342641	122.627	ug/L	99
37) 1,2-Dichloropropane	6.790	63	233917	106.847	ug/L	100
38) Bromodichloromethane	7.105	83	292652	102.682	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	340583	107.156	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	783387	214.586	ug/L	99
42) Toluene	7.967	91	864724	108.014	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	309484	99.912	ug/L	100

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

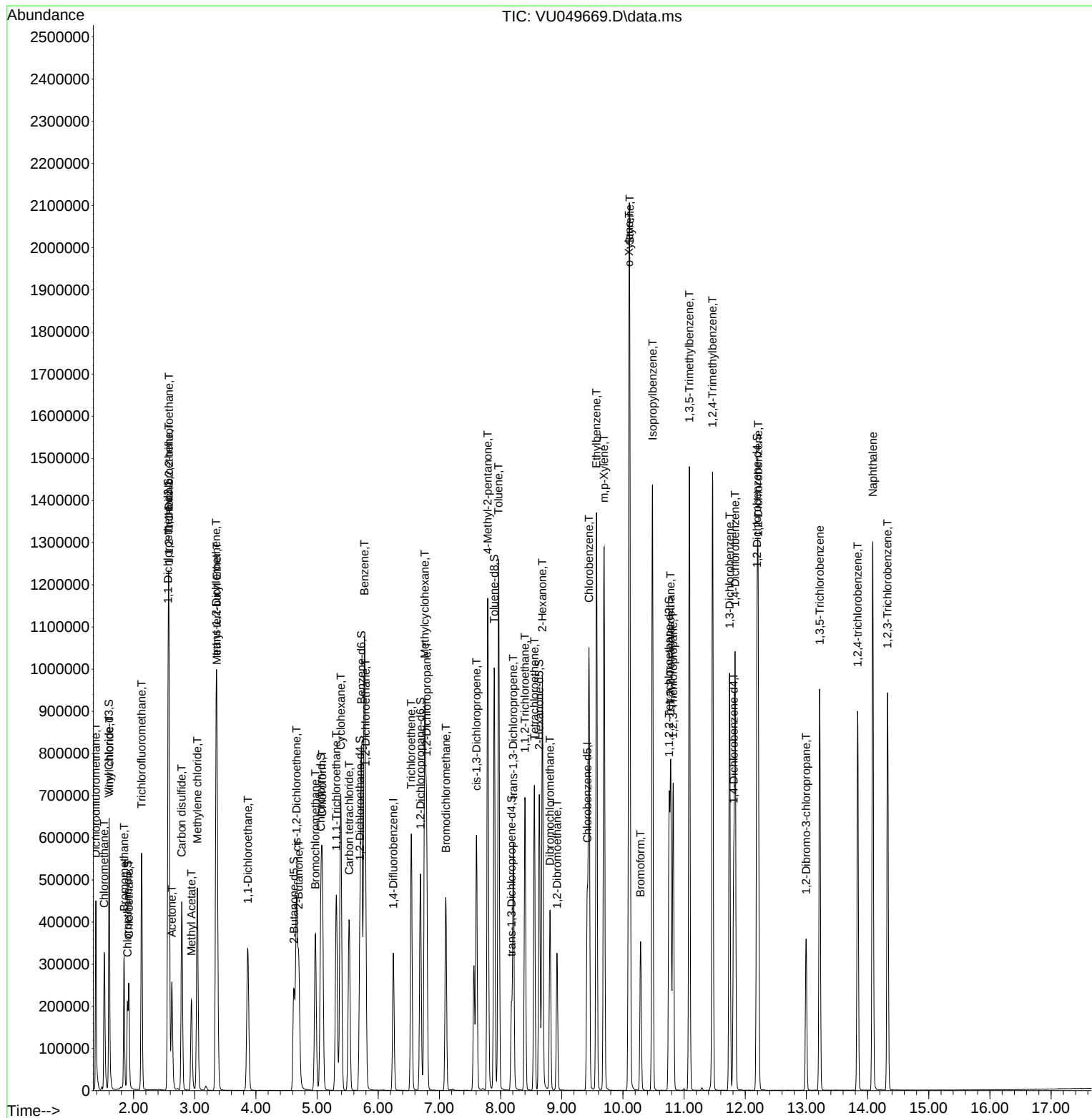
45) 1,1,2-Trichloroethane	8.398	97	202588	97.751	ug/L	99
46) Tetrachloroethene	8.552	164	146446	98.538	ug/L	96
48) 2-Hexanone	8.684	43	614519	207.163	ug/L	99
49) Dibromochloromethane	8.809	129	206367	91.217	ug/L	95
50) 1,2-Dibromoethane	8.922	107	206643	95.926	ug/L	99
51) Chlorobenzene	9.446	112	517391	98.270	ug/L	99
52) Ethylbenzene	9.568	91	926261	107.328	ug/L	100
53) m,p-Xylene	9.693	106	338705	102.161	ug/L	99
54) o-Xylene	10.098	106	334838	99.660	ug/L	95
55) Styrene	10.111	104	571777	102.110	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	359353	92.928	ug/L	99
59) Bromoform	10.288	173	151569	91.806	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	291994	99.326	ug/L	99
61) Isopropylbenzene	10.484	105	894368	113.348	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	771929	114.637	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	773338	136.036	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	368348	96.321	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	369343	95.744	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	379368	96.391	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	88369	93.198	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	267894	98.410	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	248786	106.736	ug/L	98
71) Naphthalene	14.085	128	958363	114.832	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	263110	106.885	ug/L	99

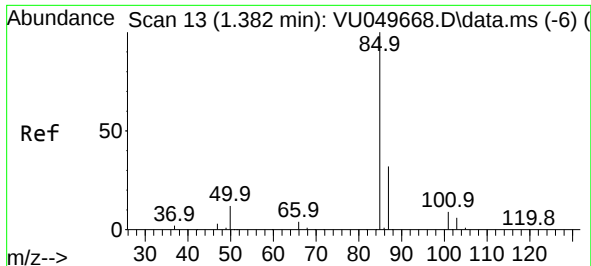
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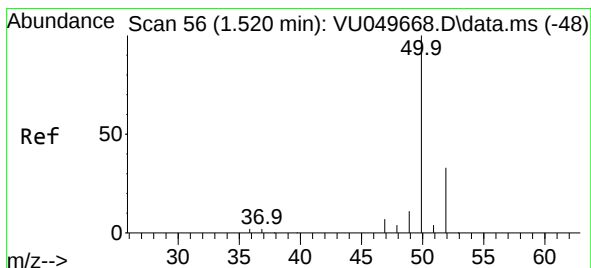
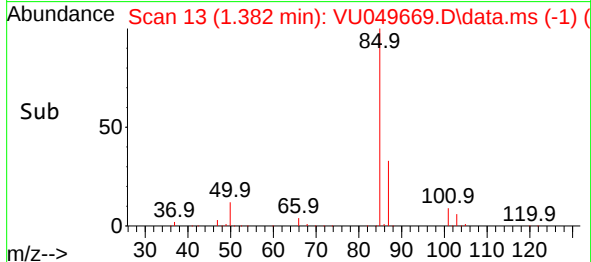
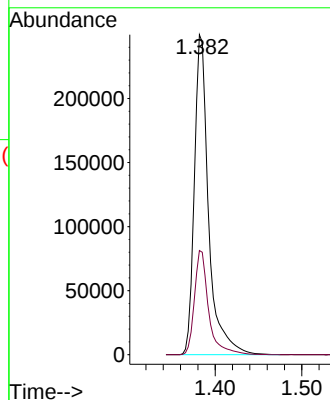
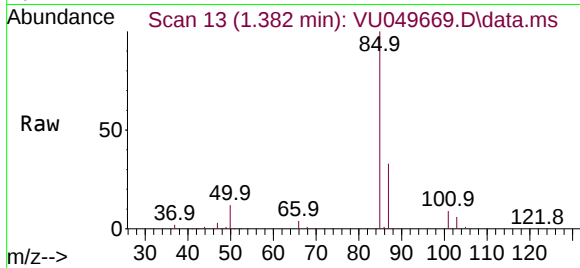




#2
 Dichlorodifluoromethane
 Concen: 121.971 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU049669.D
 Acq: 11 Jul 2022 11:34

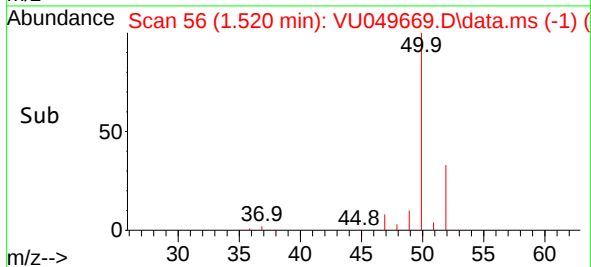
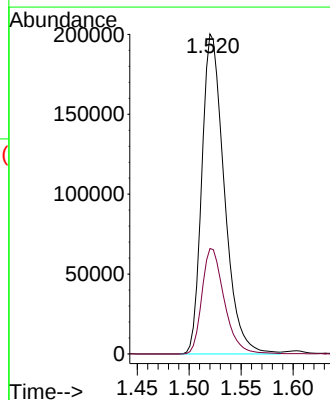
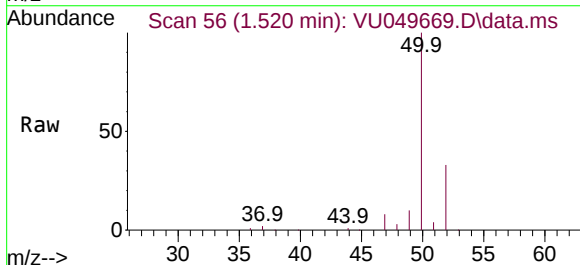
Instrument :
 MSVOA_U
 ClientSampleId :
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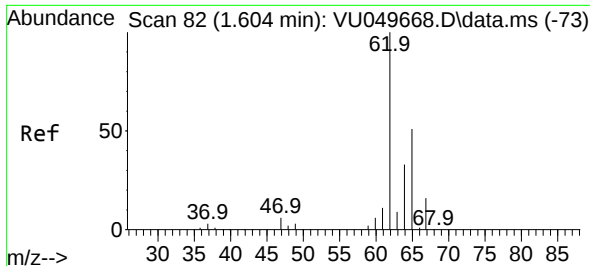
Tgt Ion: 85 Resp: 284800
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.3 39.5



#3
 Chloromethane
 Concen: 120.150 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.000 min
 Lab File: VU049669.D
 Acq: 11 Jul 2022 11:34

Tgt Ion: 50 Resp: 300670
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.2 43.0

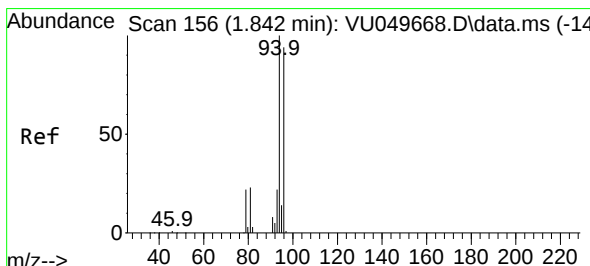
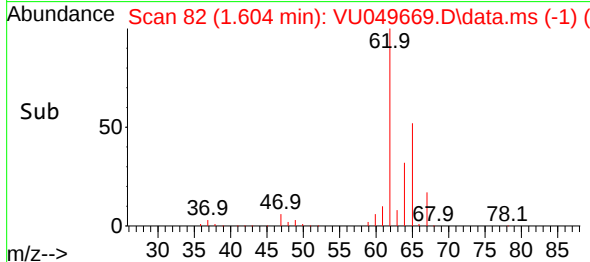
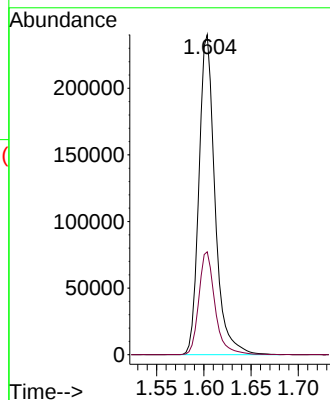
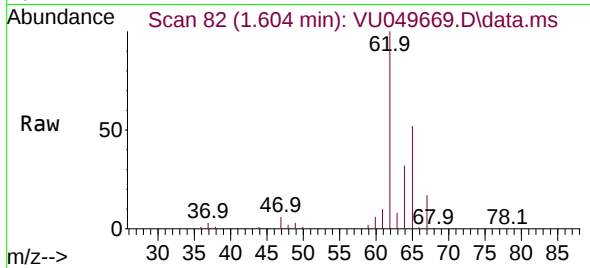




#5
 Vinyl chloride
 Concen: 121.530 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049669.D
 Acq: 11 Jul 2022 11:34

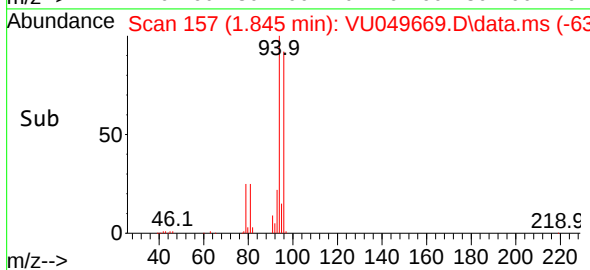
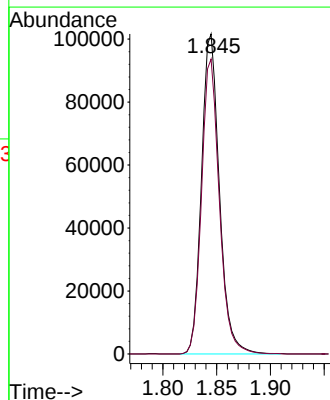
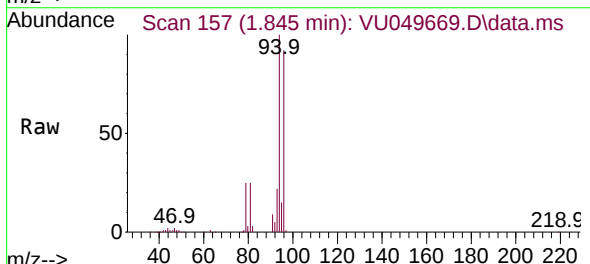
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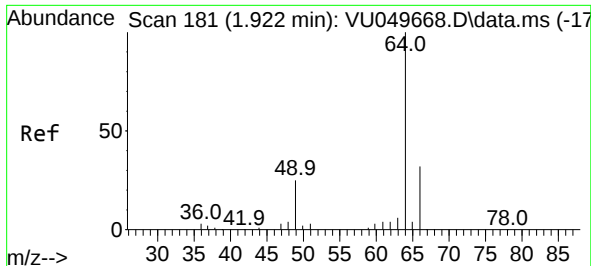
Tgt Ion: 62 Resp: 283306
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.0 42.6



#6
 Bromomethane
 Concen: 94.158 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VU049669.D
 Acq: 11 Jul 2022 11:34

Tgt Ion: 94 Resp: 117536
 Ion Ratio Lower Upper
 94 100
 96 92.1 66.1 122.7

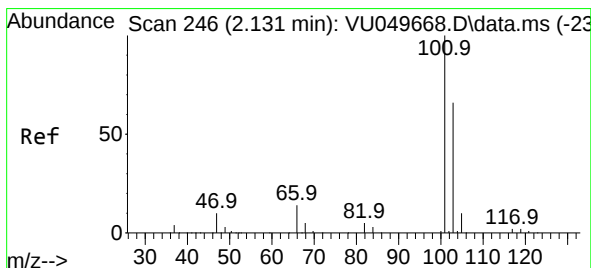
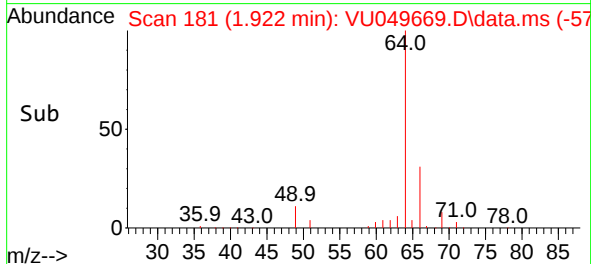
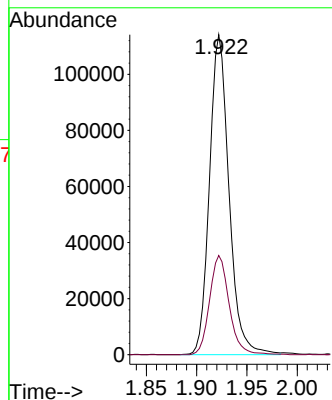
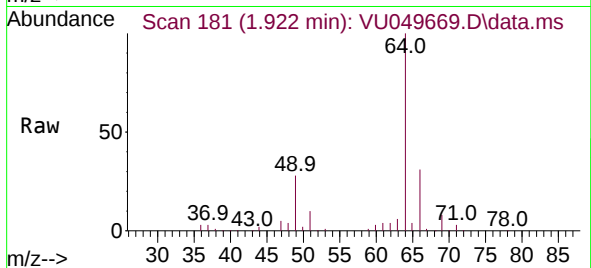




#8
Chloroethane
Concen: 118.749 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

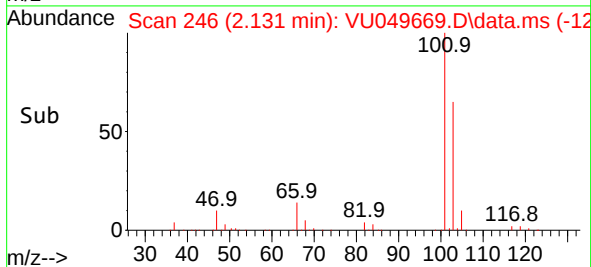
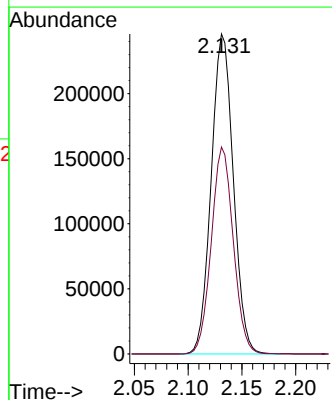
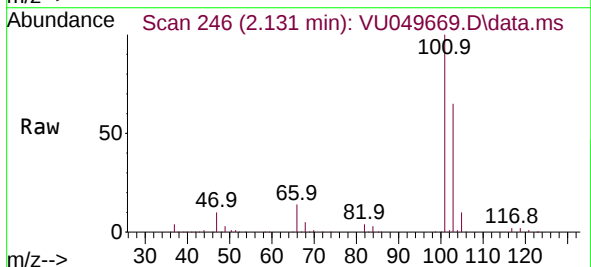
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VSTD100004

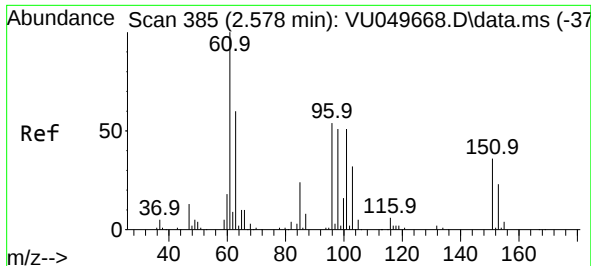
Tgt Ion: 64 Resp: 154036
Ion Ratio Lower Upper
64 100
66 31.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 110.160 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion: 101 Resp: 351193
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4

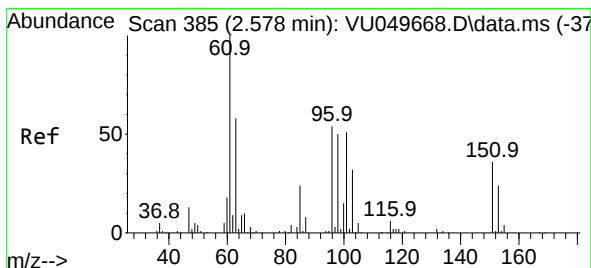
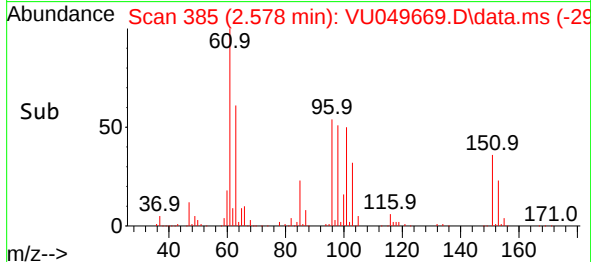
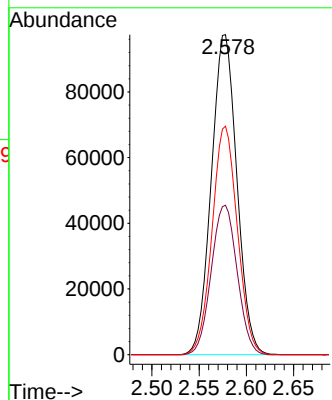
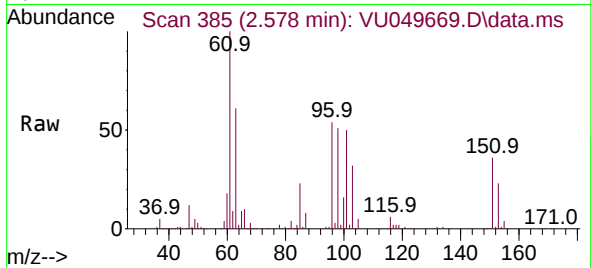




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 102.509 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049669.D
 Acq: 11 Jul 2022 11:34

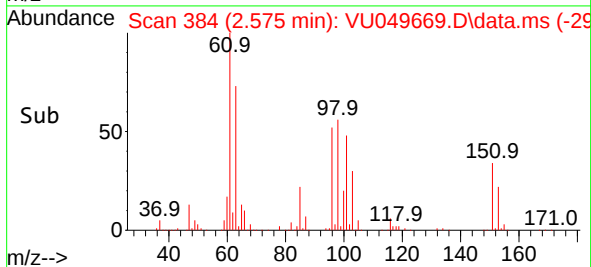
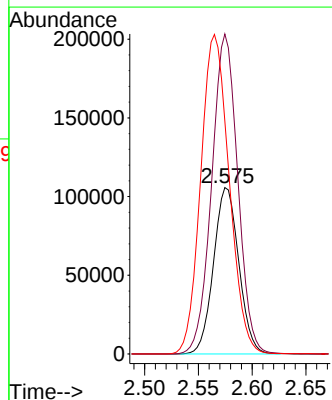
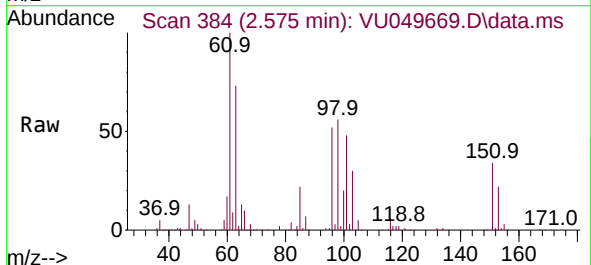
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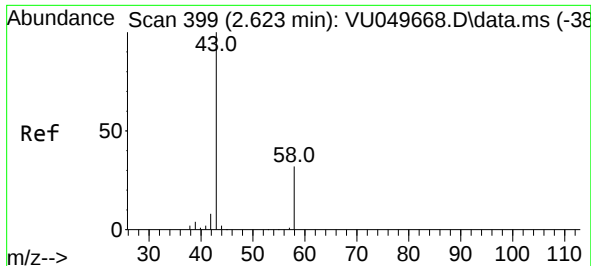
Tgt Ion:101 Resp: 183114
 Ion Ratio Lower Upper
 101 100
 85 47.4 37.3 55.9
 151 70.8 56.9 85.3



#12
 1,1-Dichloroethene
 Concen: 109.738 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049669.D
 Acq: 11 Jul 2022 11:34

Tgt Ion: 96 Resp: 172463
 Ion Ratio Lower Upper
 96 100
 61 192.4 129.6 240.6
 63 140.1 79.0 146.6





#13

Acetone

Concen: 209.867 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU049669.D

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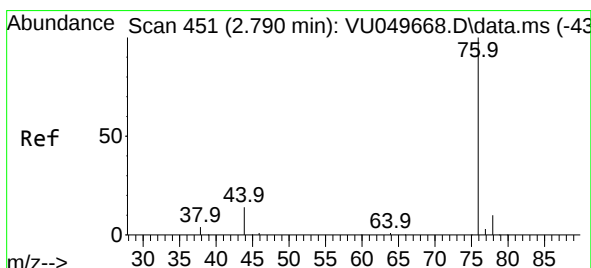
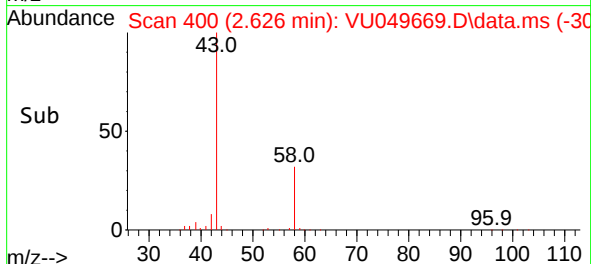
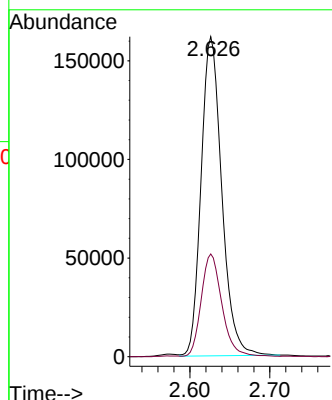
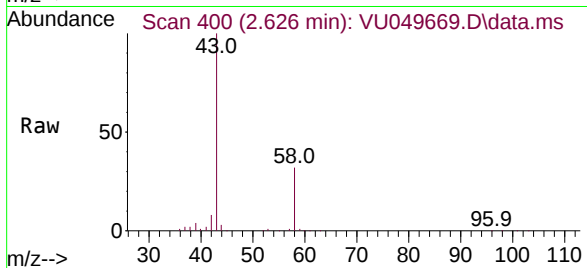
VSTD100004

Tgt Ion: 43 Resp: 291508

Ion Ratio Lower Upper

43 100

58 32.1 0.0 61.4



#14

Carbon disulfide

Concen: 133.361 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049669.D

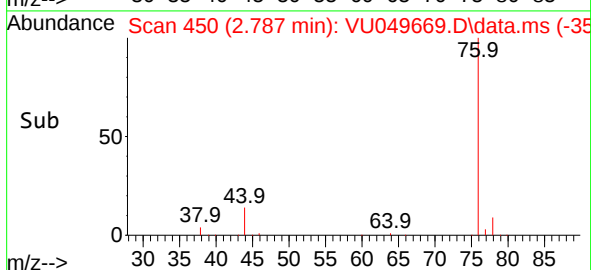
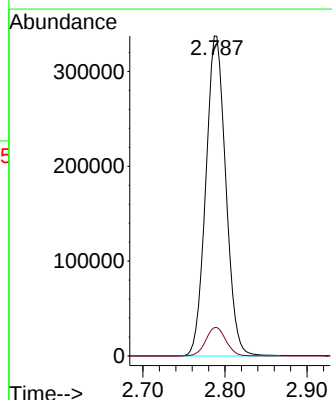
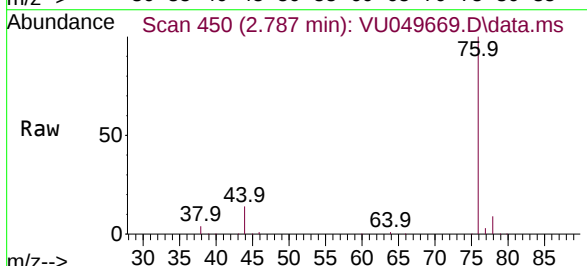
Acq: 11 Jul 2022 11:34

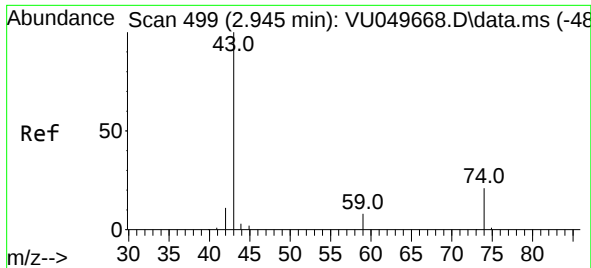
Tgt Ion: 76 Resp: 570974

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

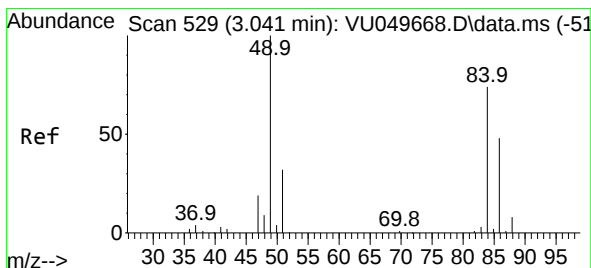
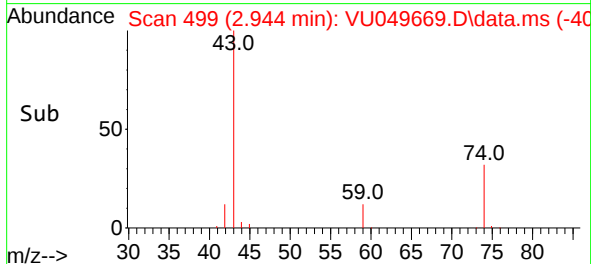
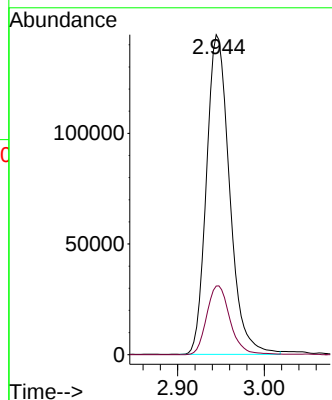
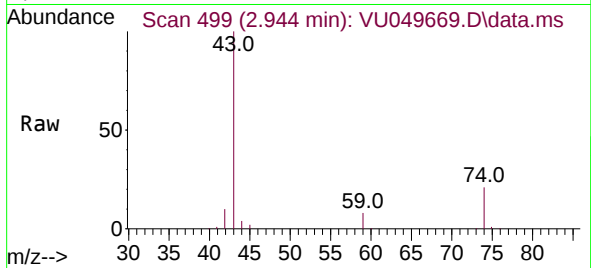




#15
Methyl Acetate
Concen: 102.129 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

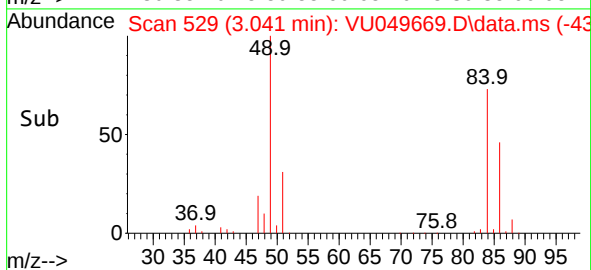
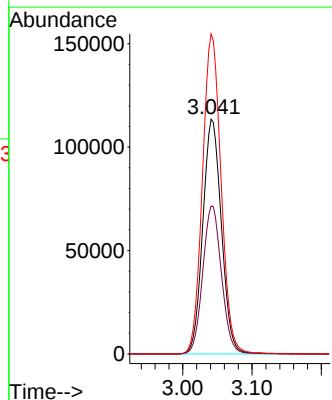
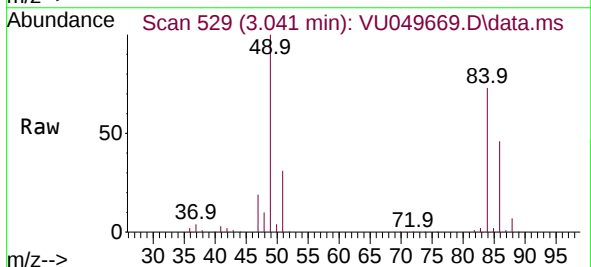
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

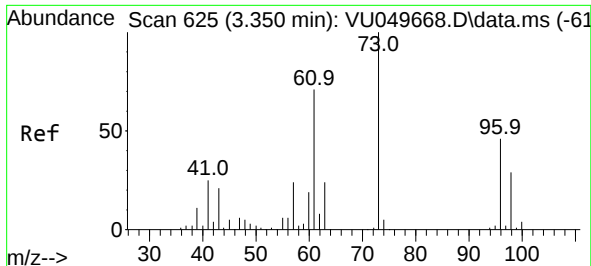
Tgt Ion: 43 Resp: 267657
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.0



#16
Methylene chloride
Concen: 103.673 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion: 84 Resp: 211259
Ion Ratio Lower Upper
84 100
86 63.1 45.6 84.6
49 136.3 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 108.423 ug/L

RT: 3.349 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD100004

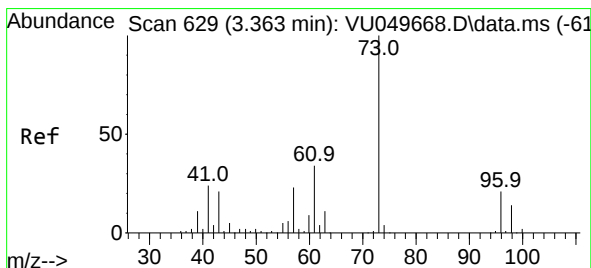
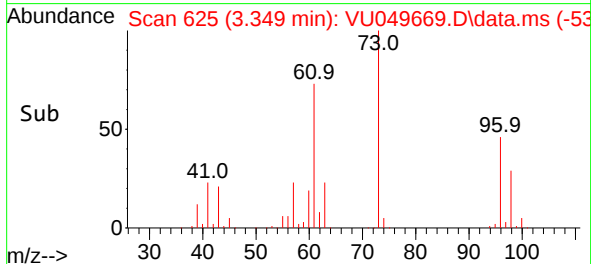
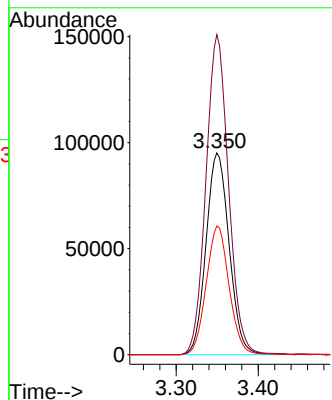
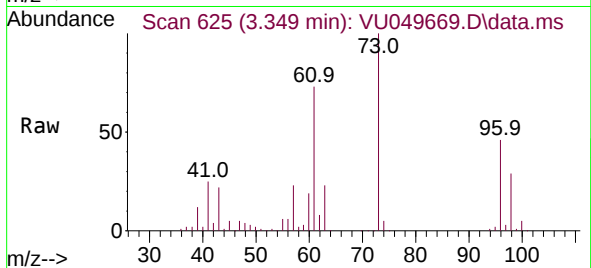
Tgt Ion: 96 Resp: 186552

Ion Ratio Lower Upper

96 100

61 158.6 107.6 199.8

98 63.7 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 103.145 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

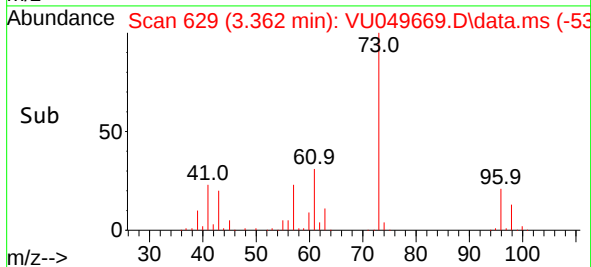
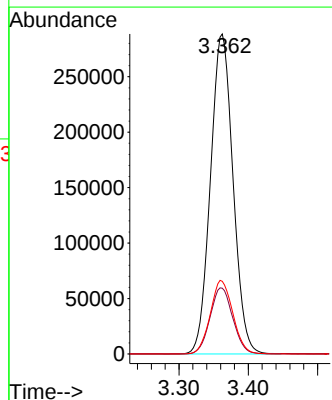
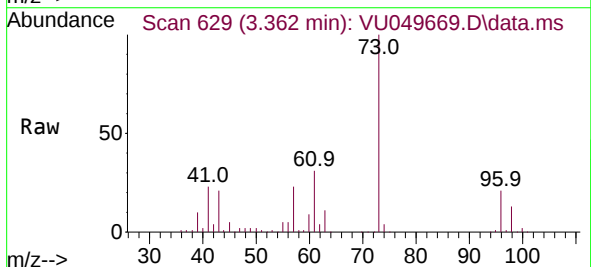
Tgt Ion: 73 Resp: 652631

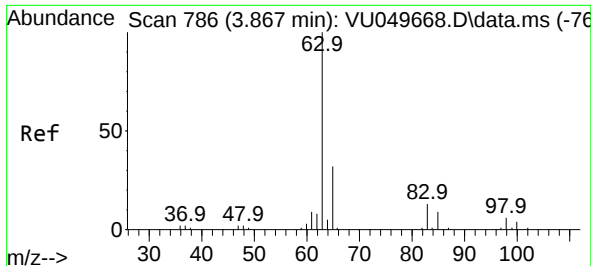
Ion Ratio Lower Upper

73 100

43 20.8 17.0 25.4

57 23.0 18.5 27.7





#19

1,1-Dichloroethane

Concen: 105.745 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD100004

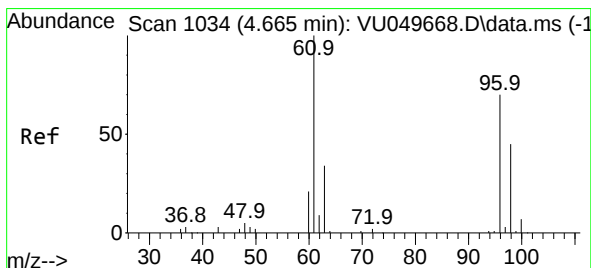
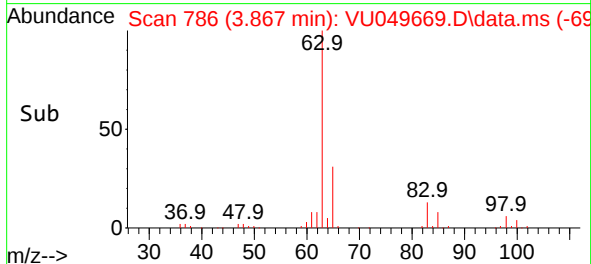
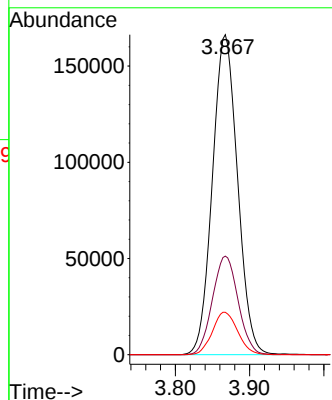
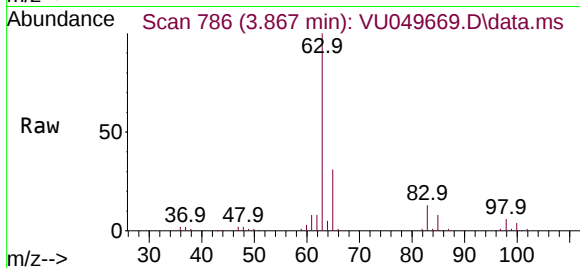
Tgt Ion: 63 Resp: 391144

Ion Ratio Lower Upper

63 100

65 30.8 22.6 42.0

83 13.2 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 102.577 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

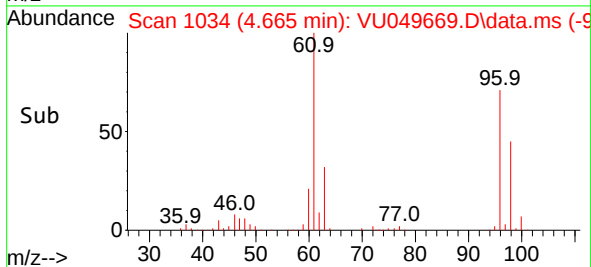
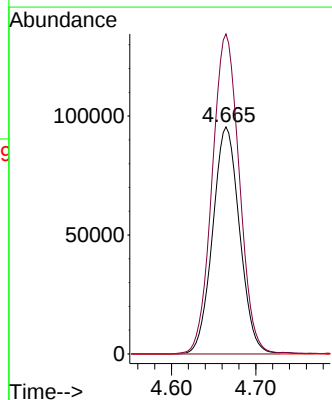
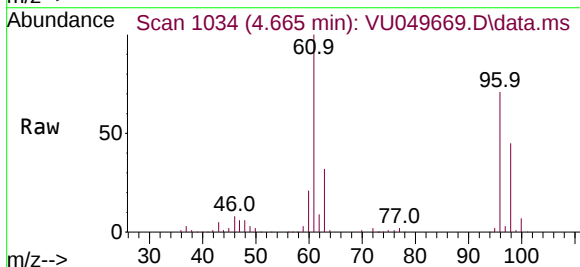
Tgt Ion: 96 Resp: 211756

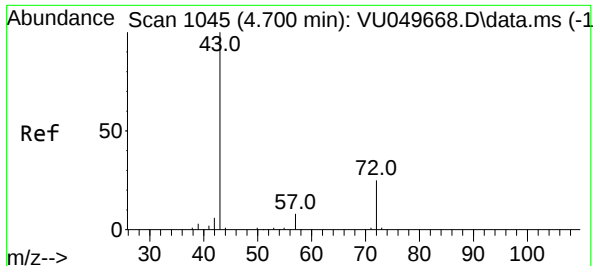
Ion Ratio Lower Upper

96 100

61 141.0 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 211.283 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

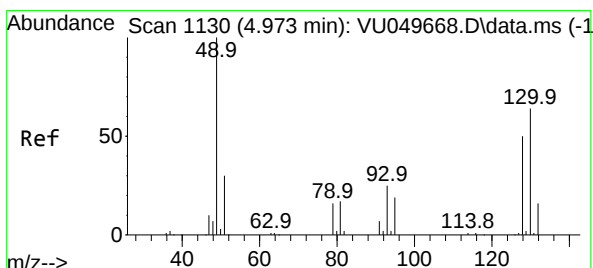
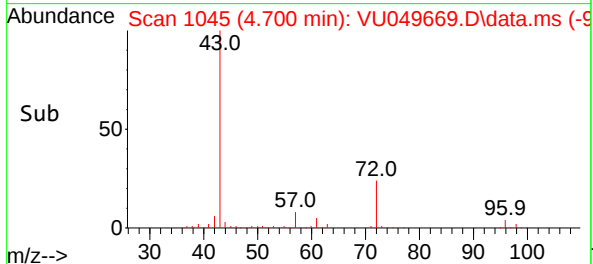
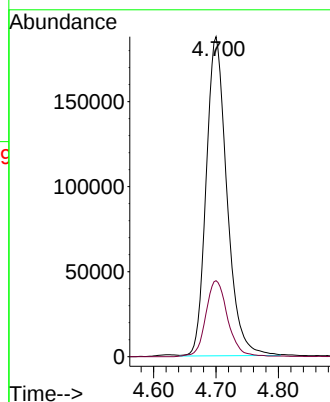
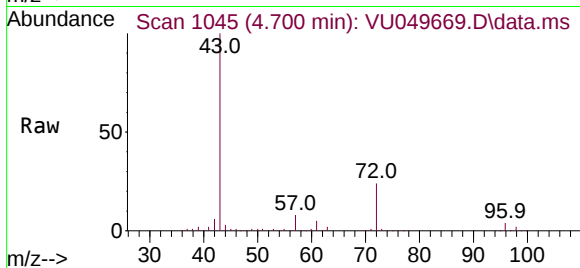
VSTD100004

Tgt Ion: 43 Resp: 433981

Ion Ratio Lower Upper

43 100

72 25.1 12.7 38.0



#23

Bromochloromethane

Concen: 99.139 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Tgt Ion:128 Resp: 106716

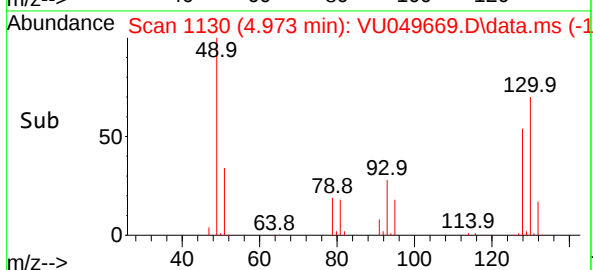
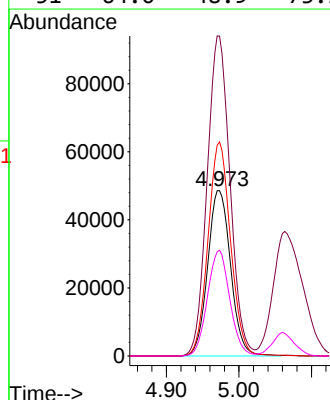
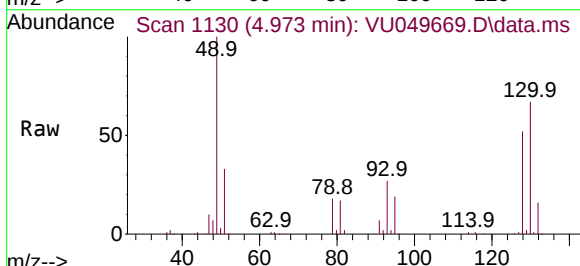
Ion Ratio Lower Upper

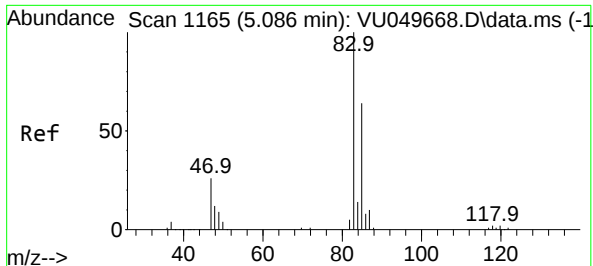
128 100

49 193.4 140.9 261.7

130 129.5 90.0 167.2

51 64.0 48.9 73.3





#25

Chloroform

Concen: 102.661 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

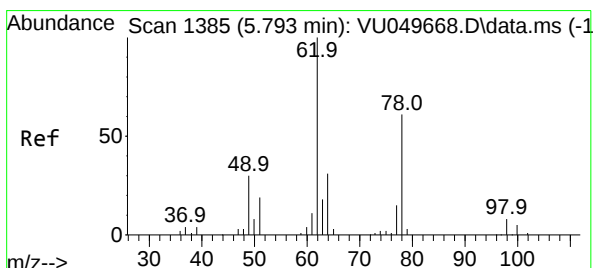
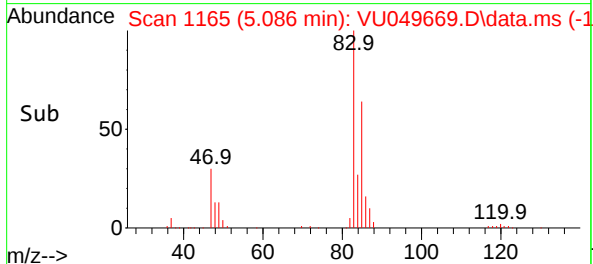
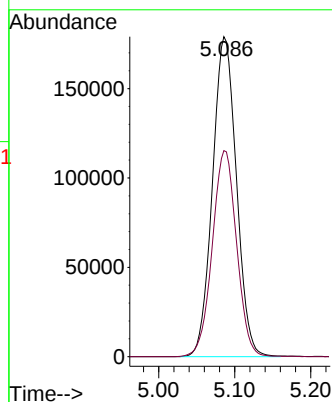
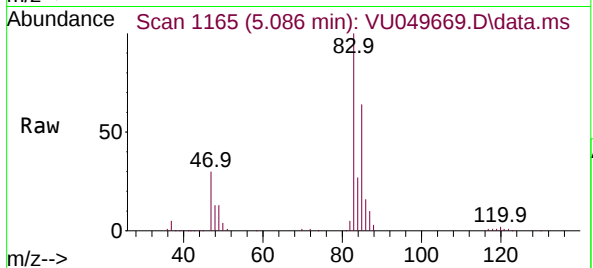
VSTD100004

Tgt Ion: 83 Resp: 391358

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 104.449 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU049669.D

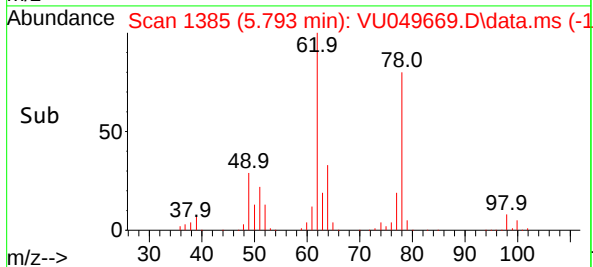
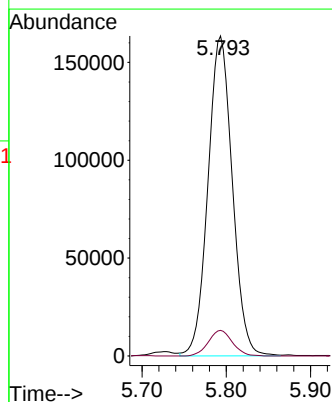
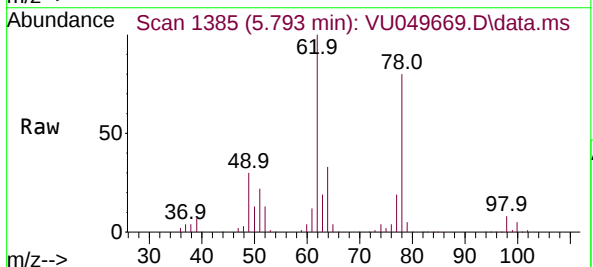
Acq: 11 Jul 2022 11:34

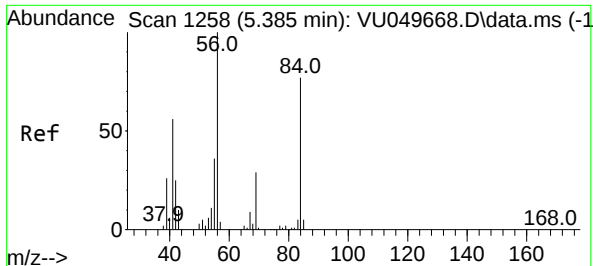
Tgt Ion: 62 Resp: 328060

Ion Ratio Lower Upper

62 100

98 8.0 6.7 10.1





#29

Cyclohexane

Concen: 131.790 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD100004

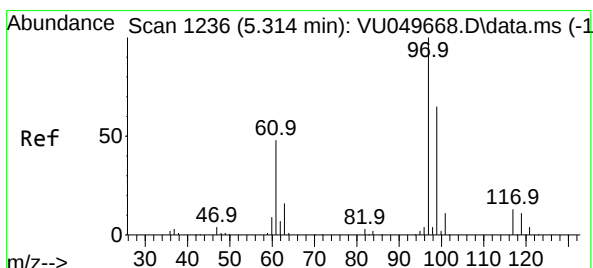
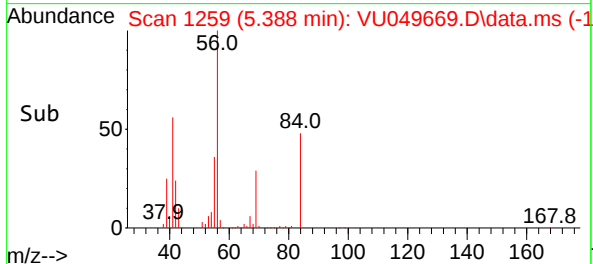
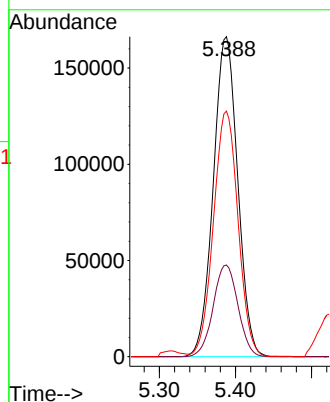
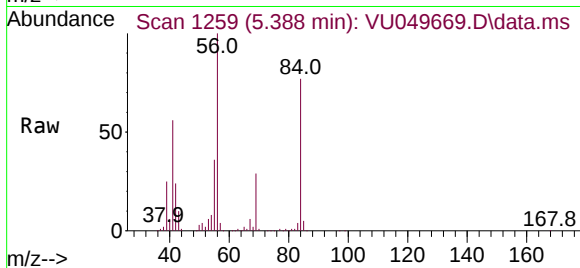
Tgt Ion: 56 Resp: 371480

Ion Ratio Lower Upper

56 100

69 29.1 23.4 35.2

84 77.2 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 100.480 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

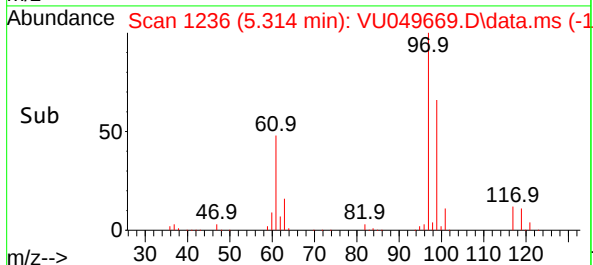
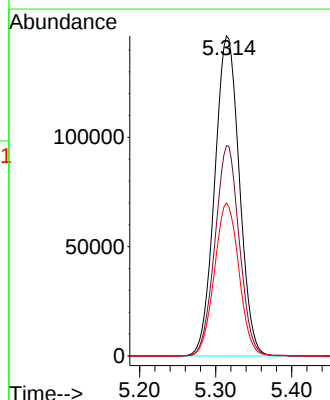
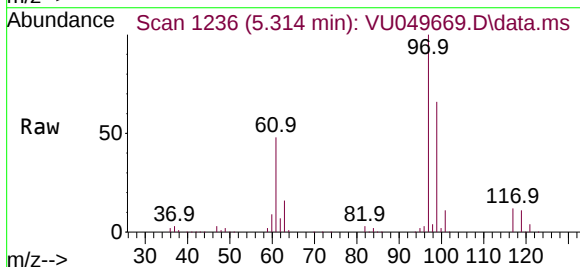
Tgt Ion: 97 Resp: 329097

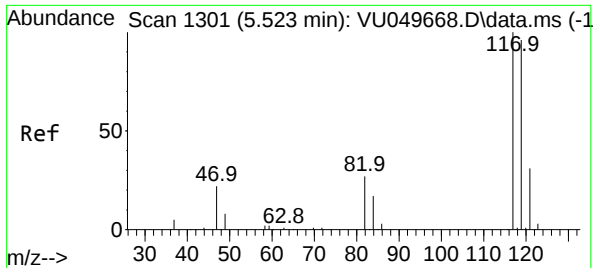
Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

61 47.7 38.2 57.2

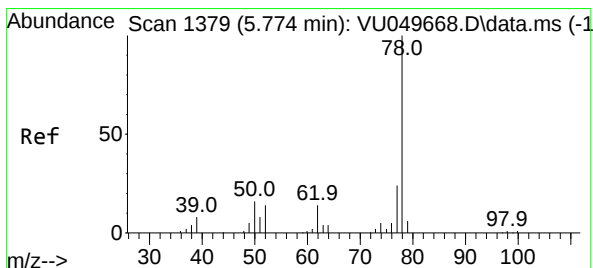
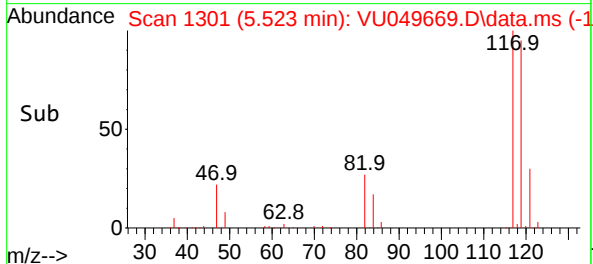
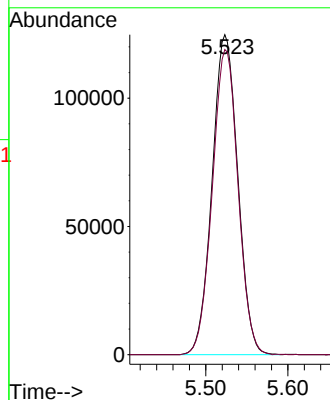
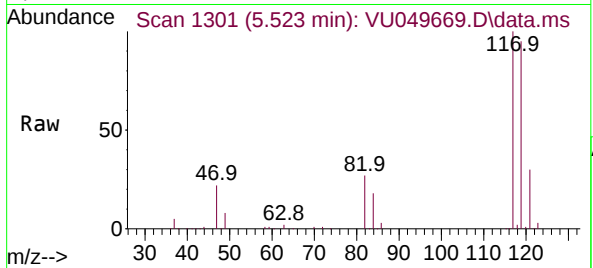




#31
Carbon tetrachloride
Concen: 95.895 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

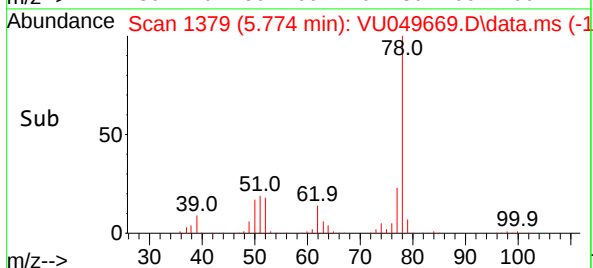
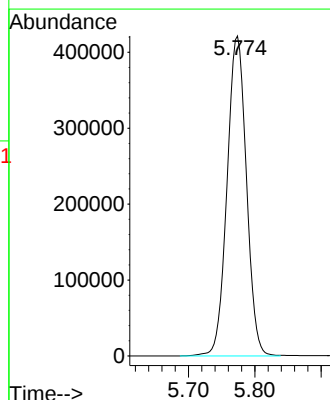
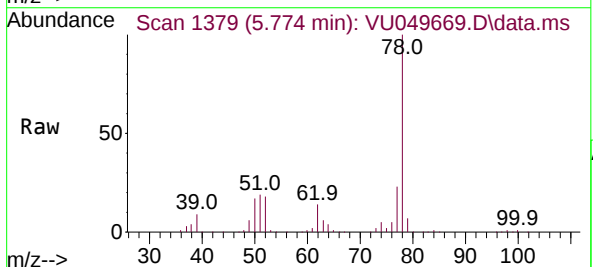
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

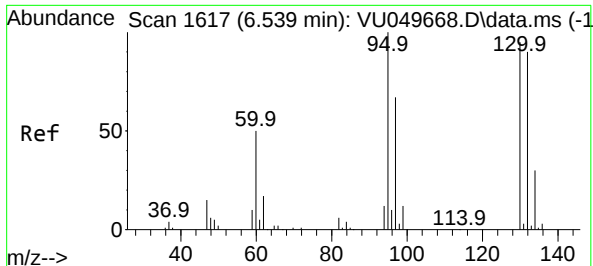
Tgt Ion:117 Resp: 271481
Ion Ratio Lower Upper
117 100
119 95.6 75.8 113.8



#33
Benzene
Concen: 109.915 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion: 78 Resp: 854245

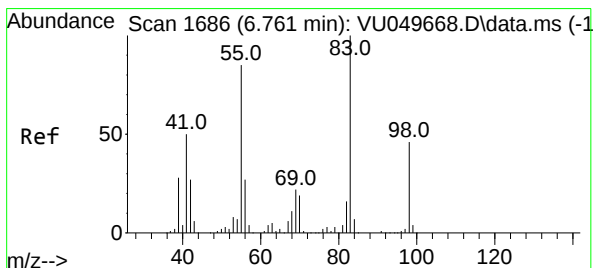
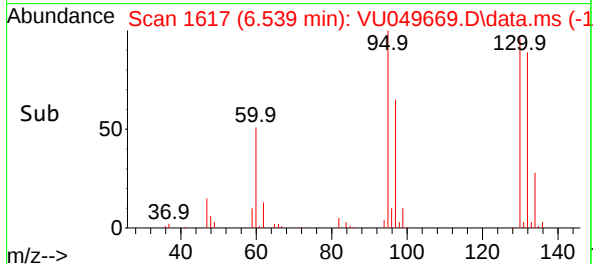
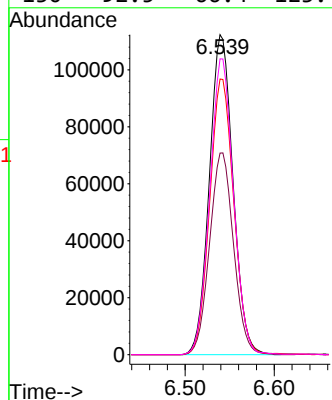
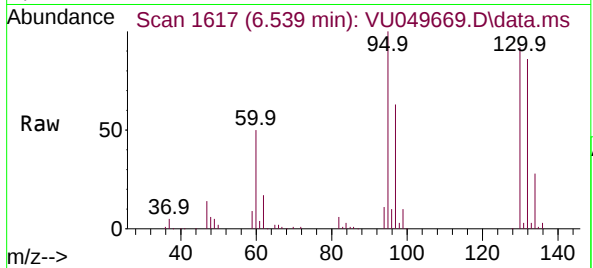




#34
Trichloroethene
Concen: 106.875 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

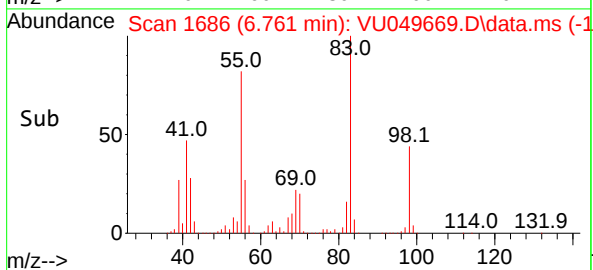
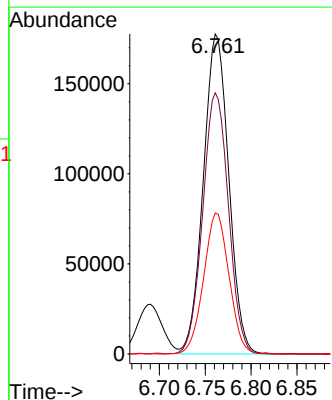
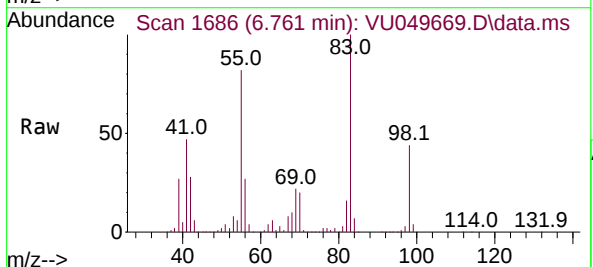
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

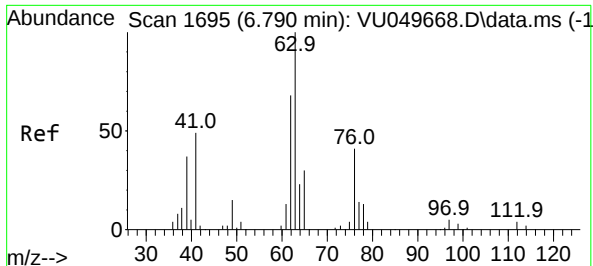
Tgt Ion: 95 Resp: 207643
Ion Ratio Lower Upper
95 100
97 63.0 46.9 87.1
132 86.1 62.7 116.5
130 92.5 66.4 123.4



#35
Methylcyclohexane
Concen: 122.627 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion: 83 Resp: 342641
Ion Ratio Lower Upper
83 100
55 82.6 66.0 99.0
98 44.0 34.6 51.8





#37

1,2-Dichloropropane

Concen: 106.847 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

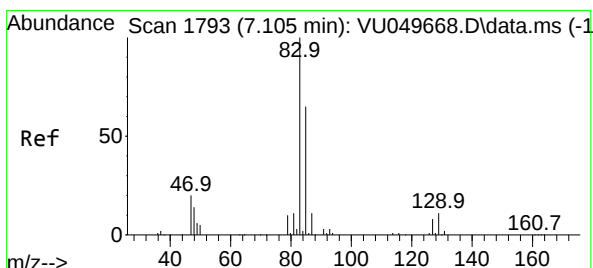
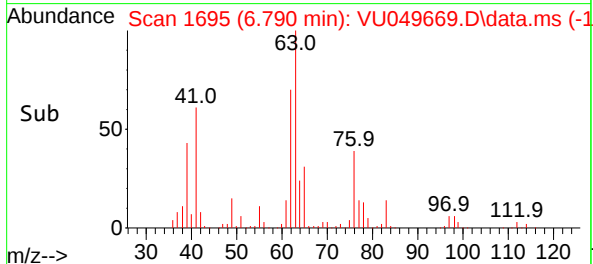
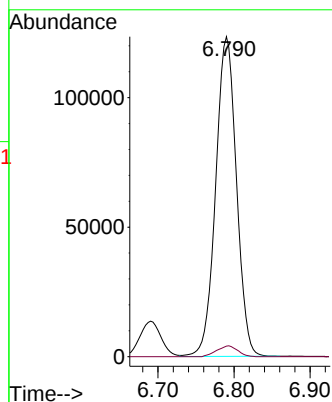
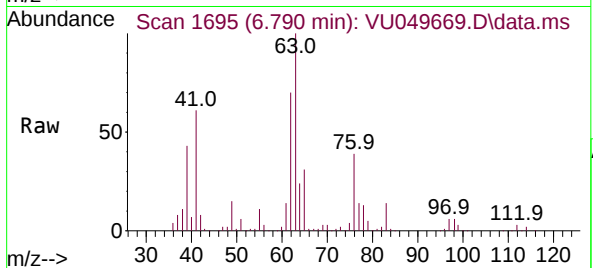
VSTD100004

Tgt Ion: 63 Resp: 233917

Ion Ratio Lower Upper

63 100

112 3.4 2.8 4.2



#38

Bromodichloromethane

Concen: 102.682 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

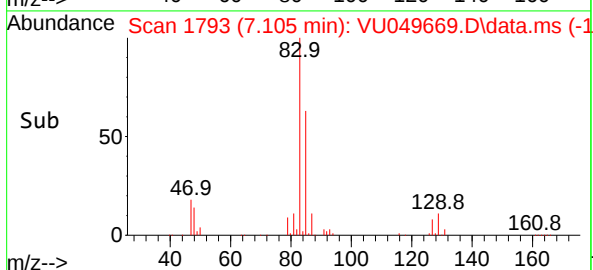
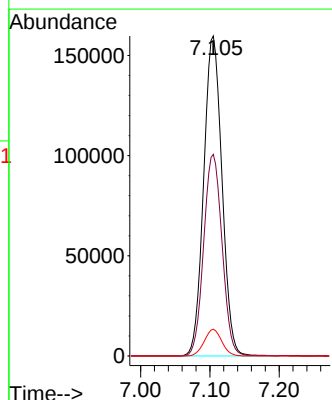
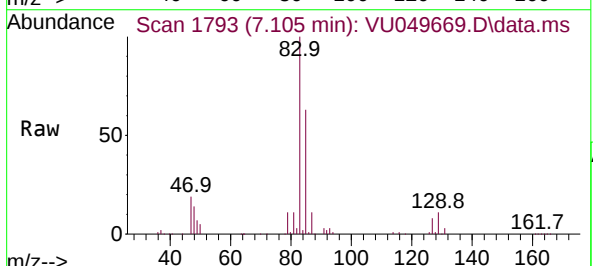
Tgt Ion: 83 Resp: 292652

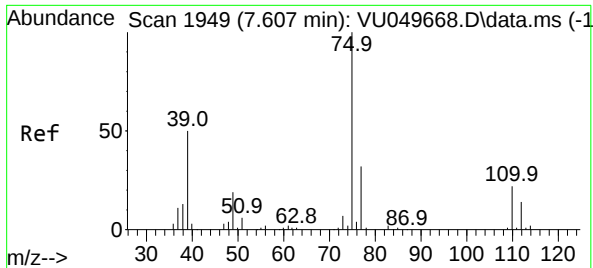
Ion Ratio Lower Upper

83 100

85 63.0 45.4 84.2

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 107.156 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

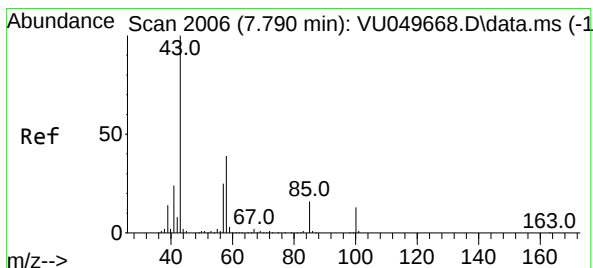
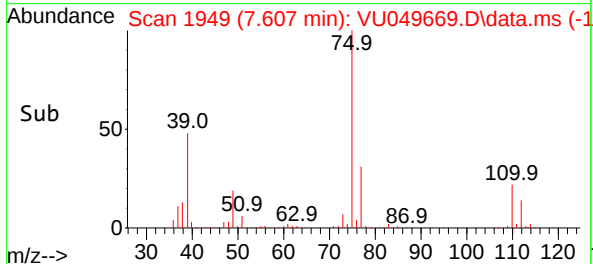
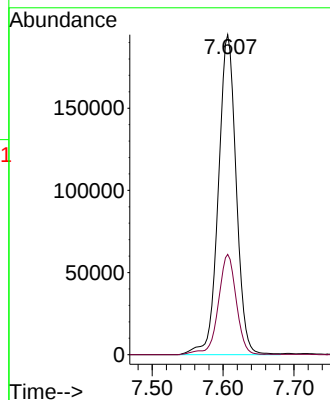
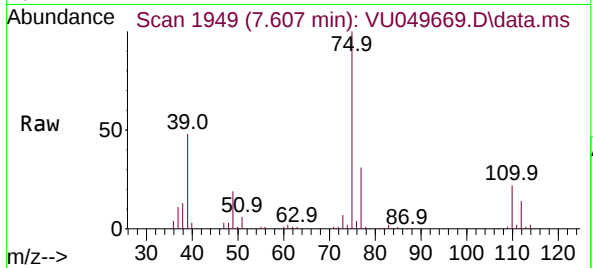
VSTD100004

Tgt Ion: 75 Resp: 340583

Ion Ratio Lower Upper

75 100

77 31.4 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 214.586 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

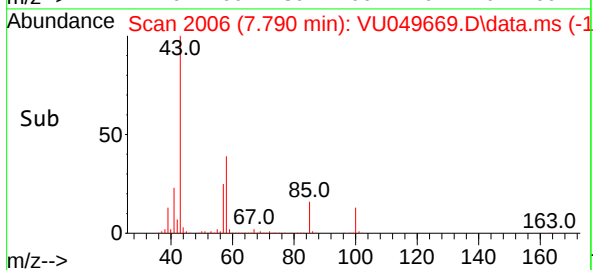
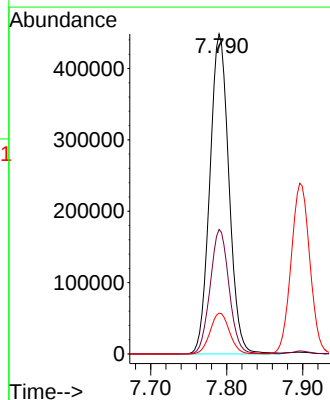
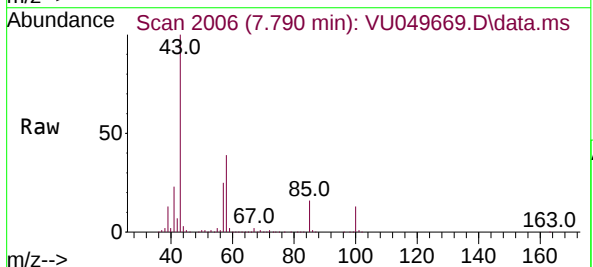
Tgt Ion: 43 Resp: 783387

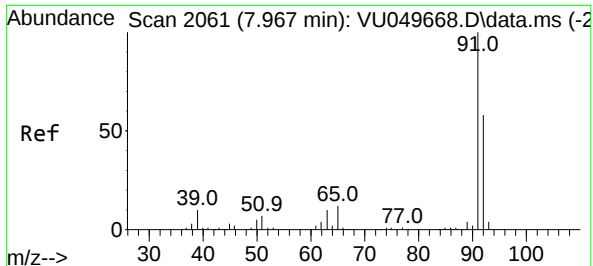
Ion Ratio Lower Upper

43 100

58 38.5 31.4 47.0

100 12.9 10.3 15.5





#42

Toluene

Concen: 108.014 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

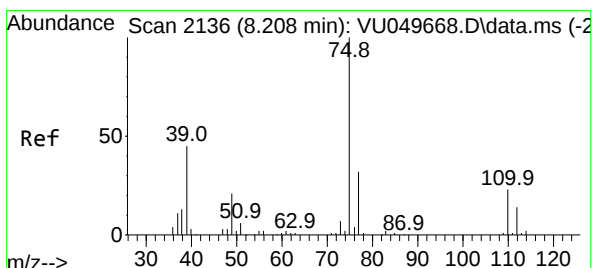
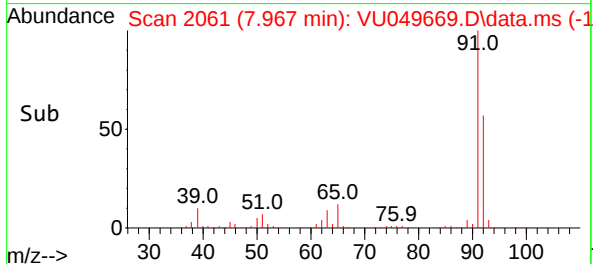
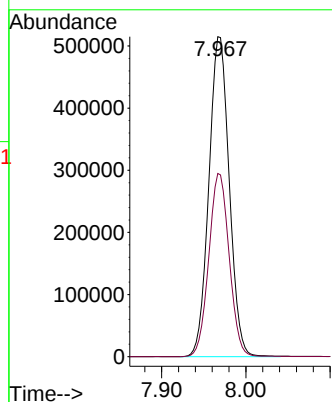
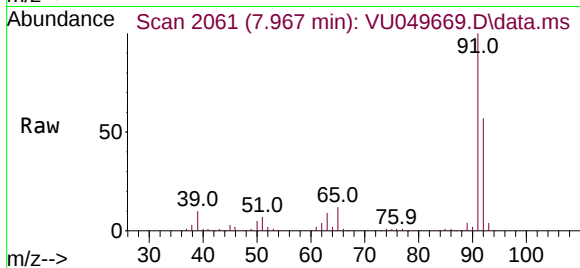
VSTD100004

Tgt Ion: 91 Resp: 864724

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 99.912 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU049669.D

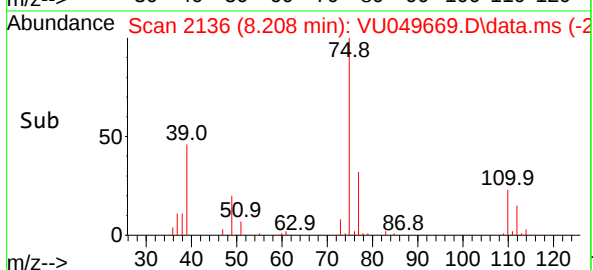
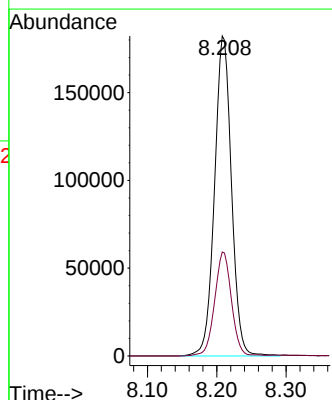
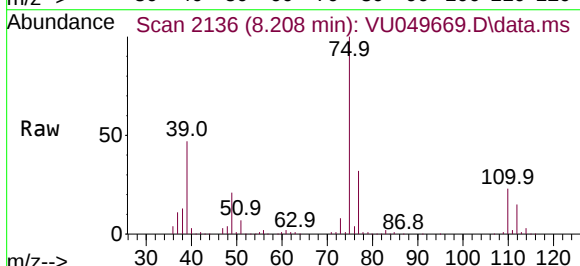
Acq: 11 Jul 2022 11:34

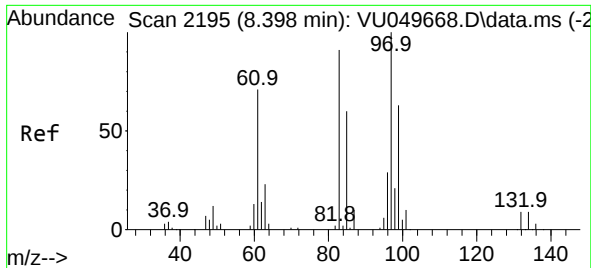
Tgt Ion: 75 Resp: 309484

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.9



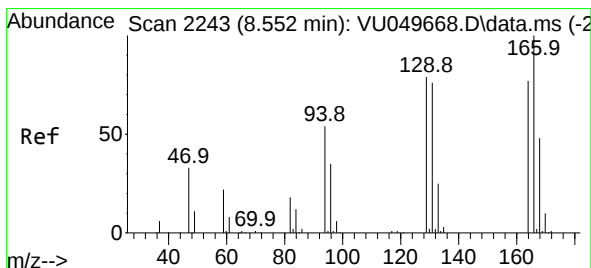
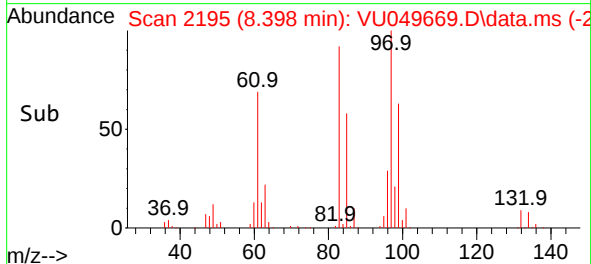
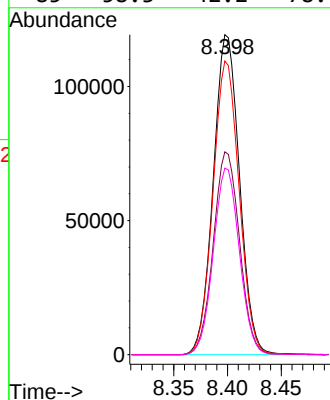
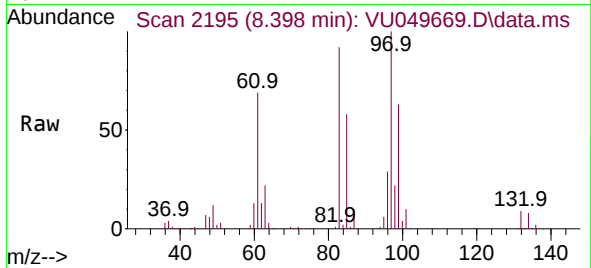


#45
1,1,2-Trichloroethane
Concen: 97.751 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

Tgt Ion: 97 Resp: 202588

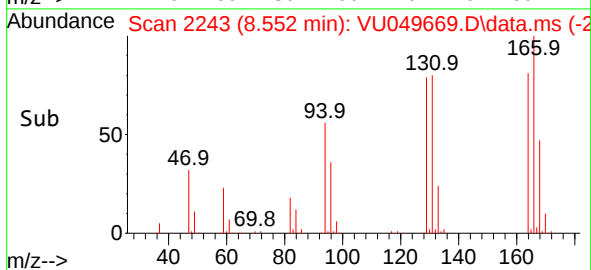
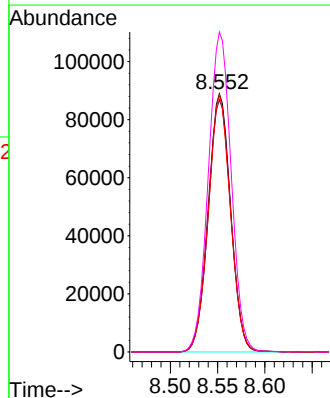
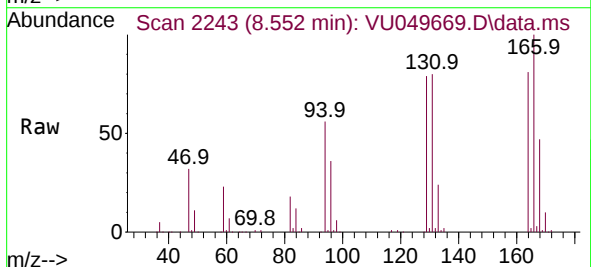
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.3	82.3
83	91.8	64.0	118.8
85	58.3	42.2	78.4

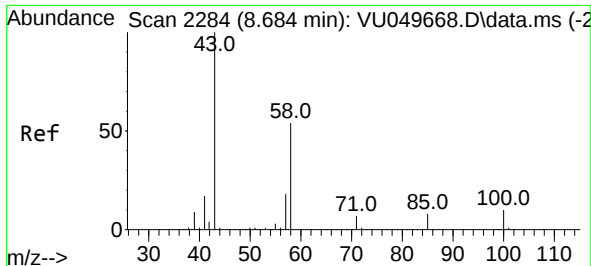


#46
Tetrachloroethene
Concen: 98.538 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion: 164 Resp: 146446

Ion	Ratio	Lower	Upper
164	100		
129	97.6	72.0	133.8
131	99.5	69.0	128.1
166	123.9	91.1	169.3



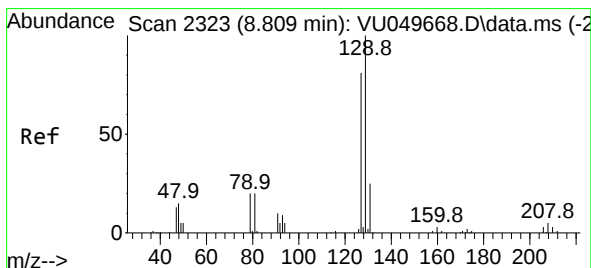
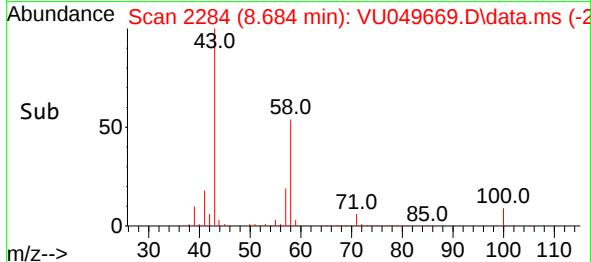
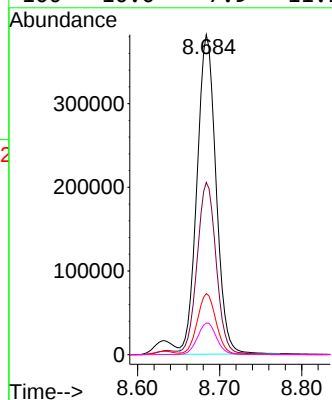
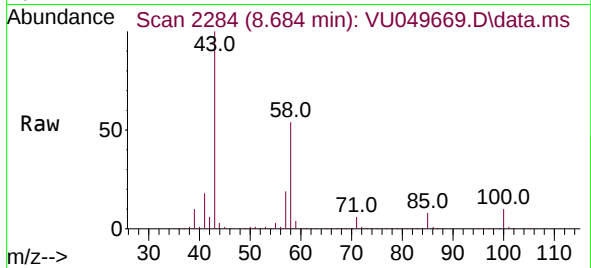


#48
2-Hexanone
Concen: 207.163 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

Tgt Ion: 43 Resp: 614519

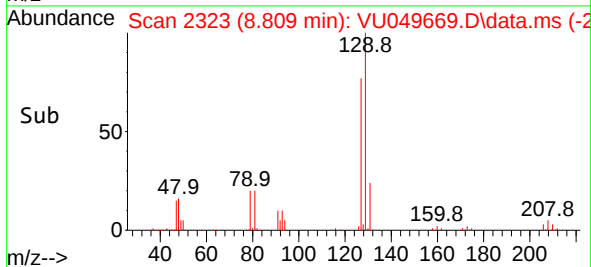
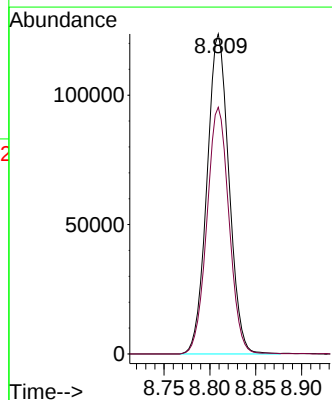
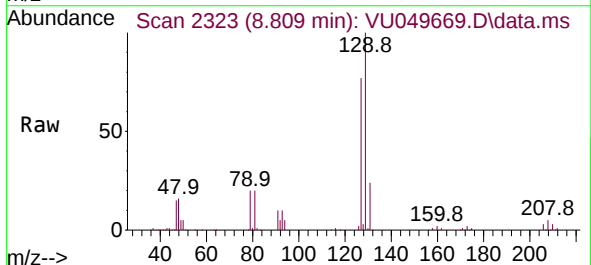
Ion	Ratio	Lower	Upper
43	100		
58	54.0	42.6	64.0
57	19.2	15.0	22.6
100	10.0	7.9	11.9

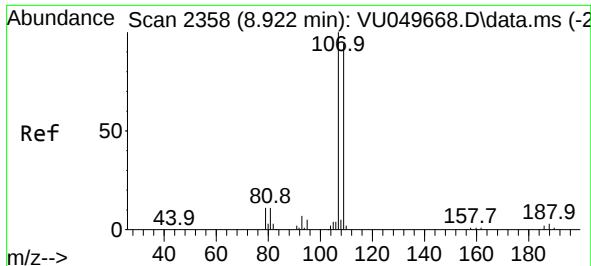


#49
Dibromochloromethane
Concen: 91.217 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion: 129 Resp: 206367

Ion	Ratio	Lower	Upper
129	100		
127	77.1	56.9	105.7

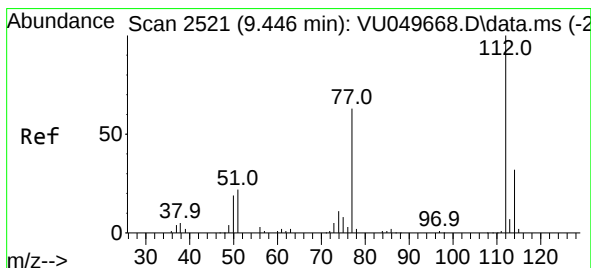
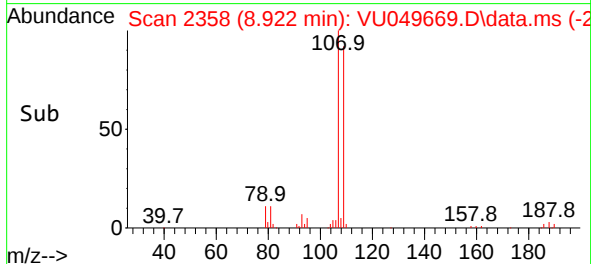
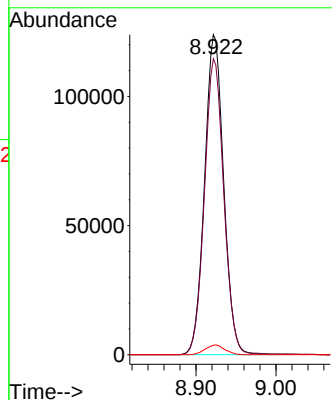
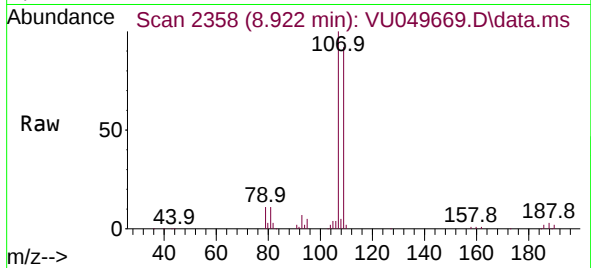




#50
1,2-Dibromoethane
Concen: 95.926 ug/L
RT: 8.922 min Scan# 2358
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

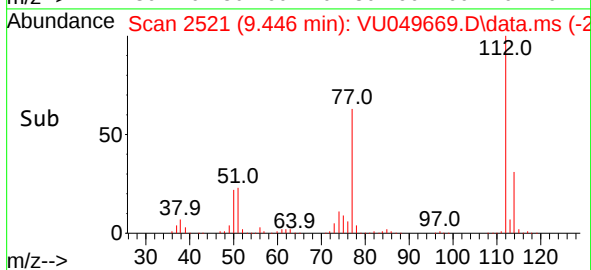
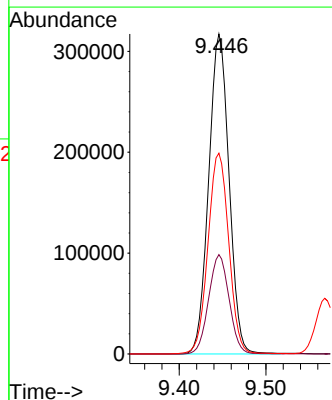
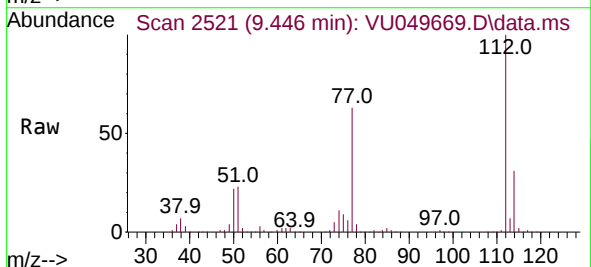
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

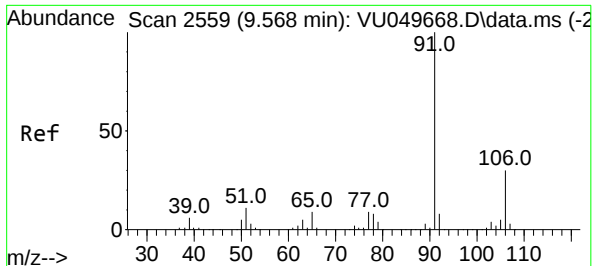
Tgt Ion:107 Resp: 206643
Ion Ratio Lower Upper
107 100
109 92.5 65.7 121.9
188 3.0 2.7 4.1



#51
Chlorobenzene
Concen: 98.270 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion:112 Resp: 517391
Ion Ratio Lower Upper
112 100
114 31.0 22.1 41.1
77 62.8 51.2 76.8

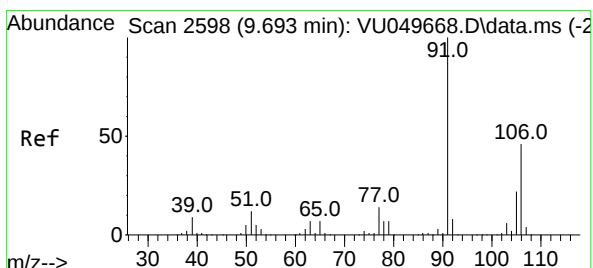
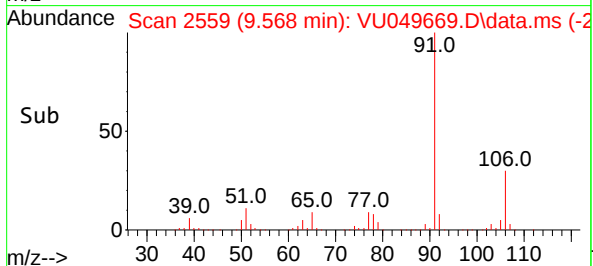
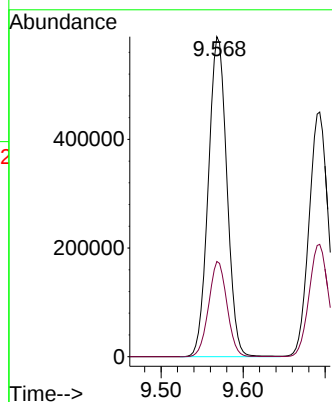
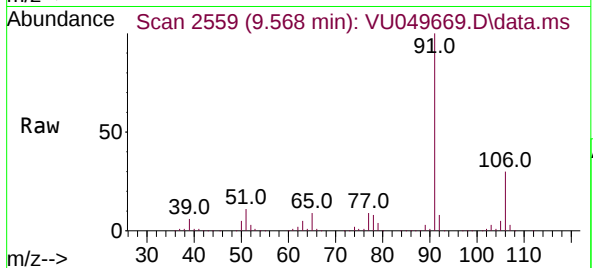




#52
Ethylbenzene
Concen: 107.328 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

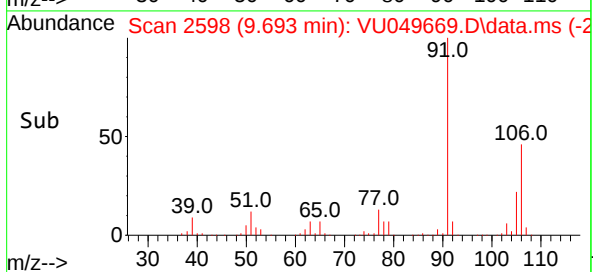
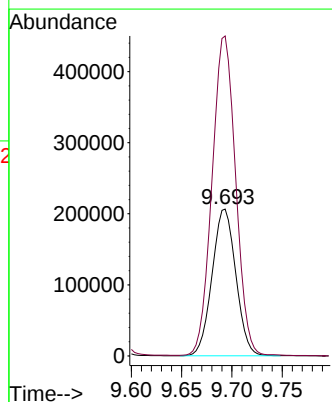
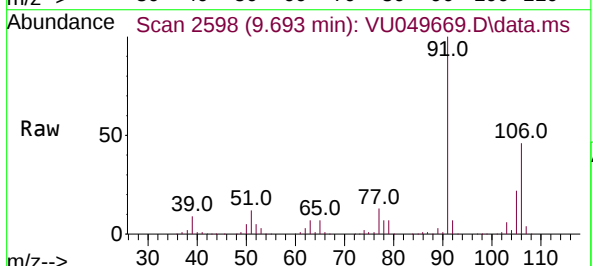
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

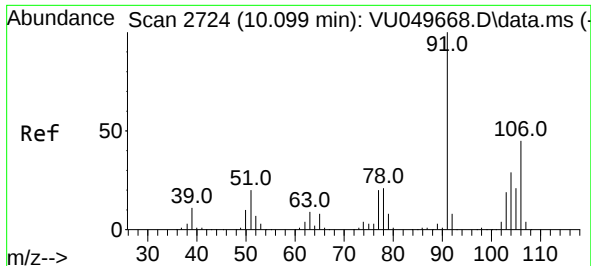
Tgt Ion: 91 Resp: 926261
Ion Ratio Lower Upper
91 100
106 29.7 21.0 39.0



#53
m,p-Xylene
Concen: 102.161 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion:106 Resp: 338705
Ion Ratio Lower Upper
106 100
91 217.8 151.7 281.7

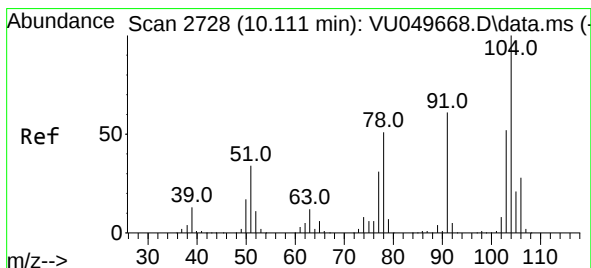
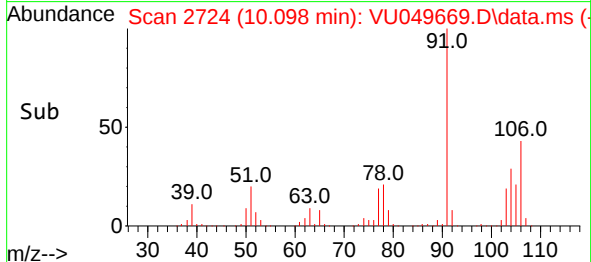
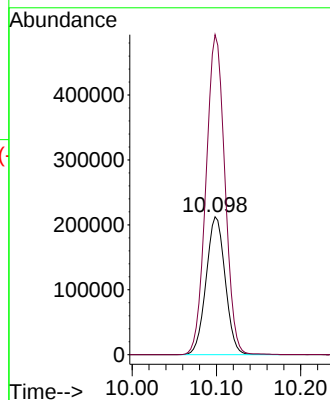
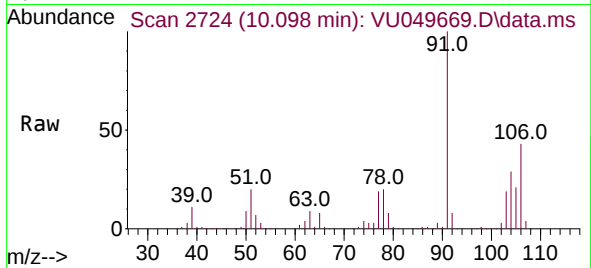




#54
o-Xylene
Concen: 99.660 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

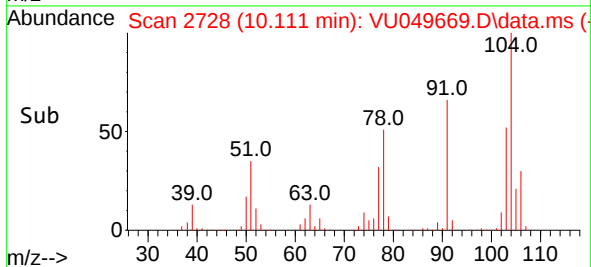
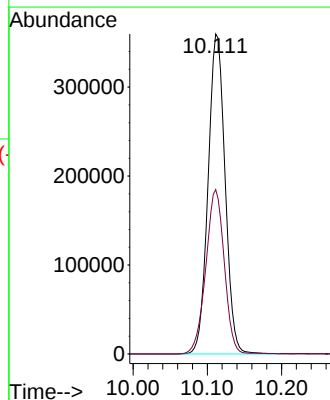
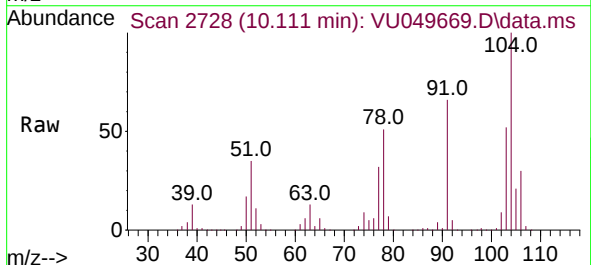
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

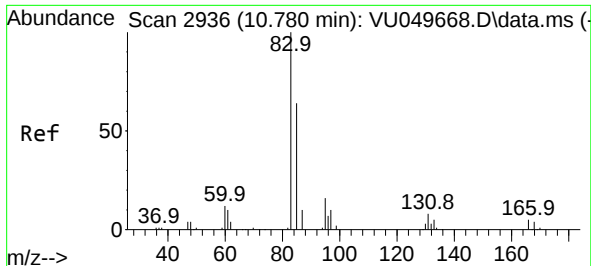
Tgt Ion:106 Resp: 334838
Ion Ratio Lower Upper
106 100
91 232.0 156.9 291.5



#55
Styrene
Concen: 102.110 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion:104 Resp: 571777
Ion Ratio Lower Upper
104 100
78 51.3 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 92.928 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD100004

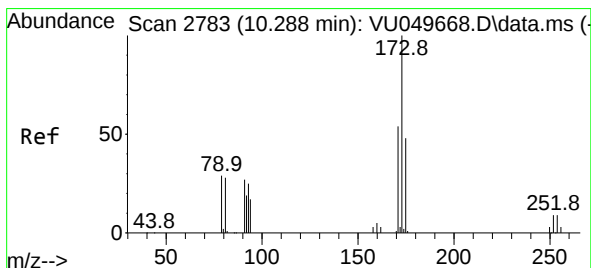
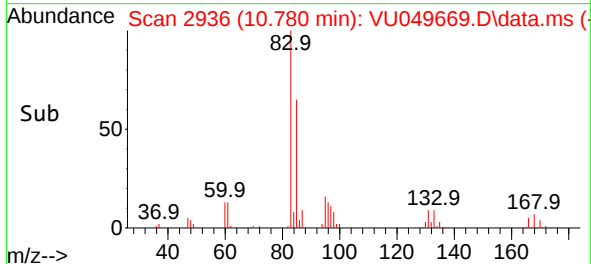
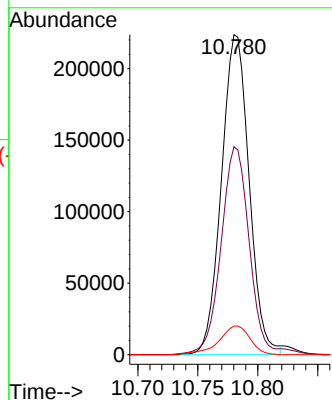
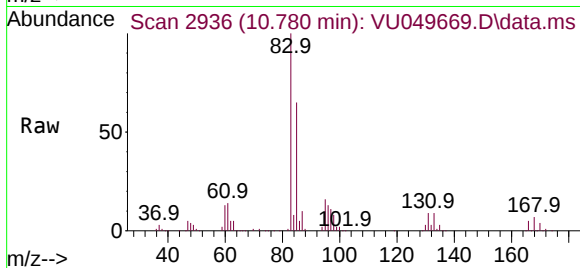
Tgt Ion: 83 Resp: 359353

Ion Ratio Lower Upper

83 100

85 65.0 45.0 83.6

131 8.9 7.0 10.6



#59

Bromoform

Concen: 91.806 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

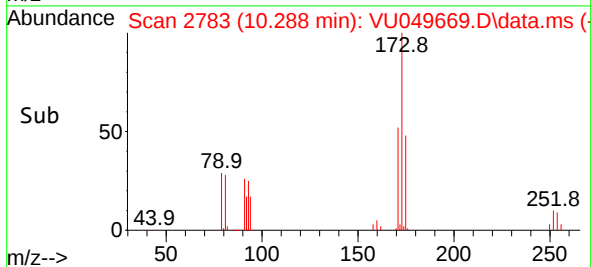
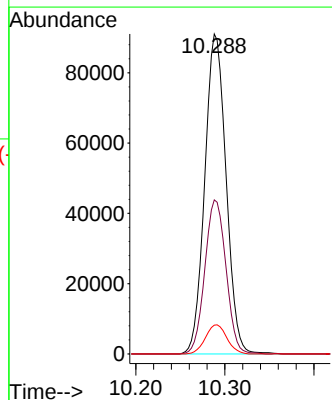
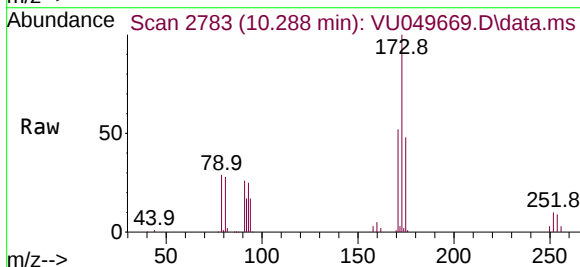
Tgt Ion:173 Resp: 151569

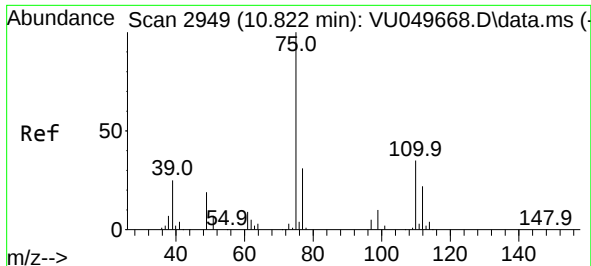
Ion Ratio Lower Upper

173 100

175 47.7 38.6 58.0

254 9.2 7.4 11.0

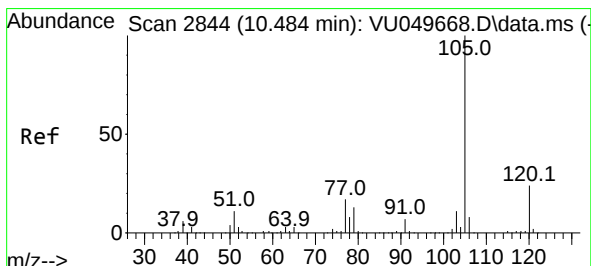
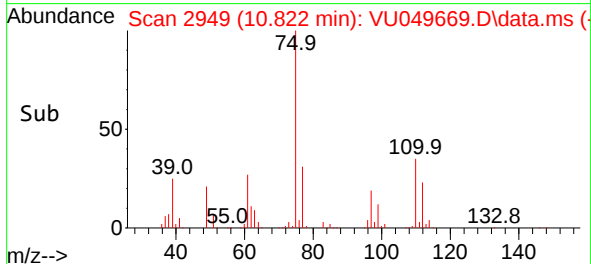
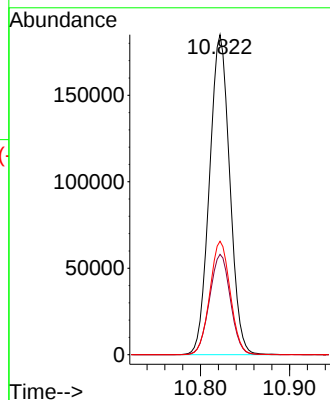
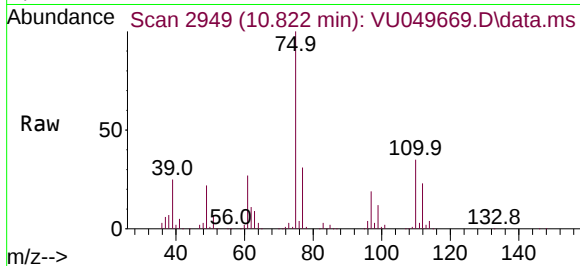




#60
1,2,3-Trichloropropane
Concen: 99.326 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

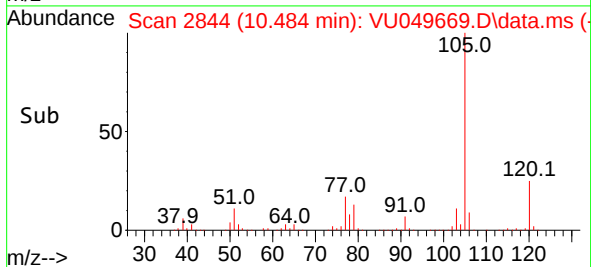
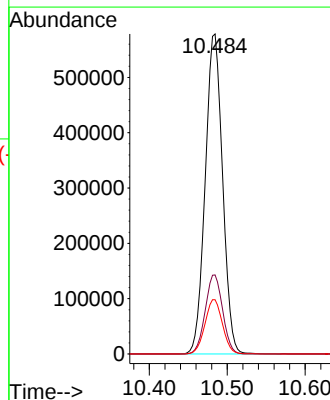
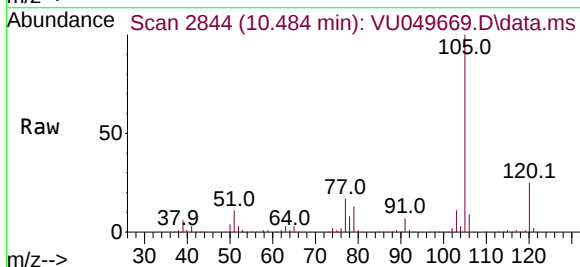
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

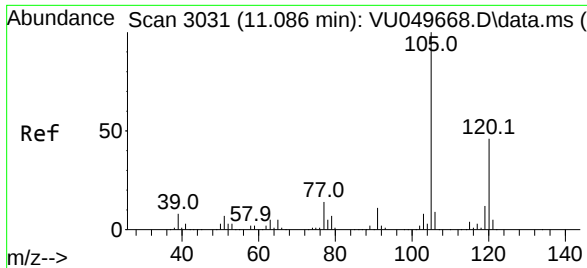
Tgt Ion: 75 Resp: 291994
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
110 35.7 28.9 43.3



#61
Isopropylbenzene
Concen: 113.348 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion: 105 Resp: 894368
Ion Ratio Lower Upper
105 100
120 24.8 19.9 29.9
77 17.1 13.8 20.8

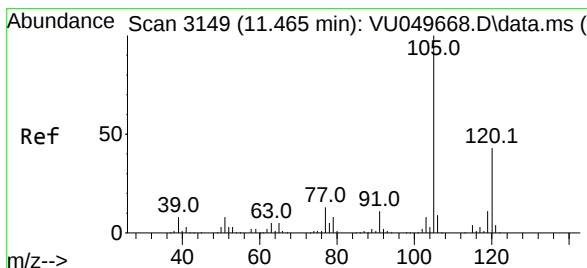
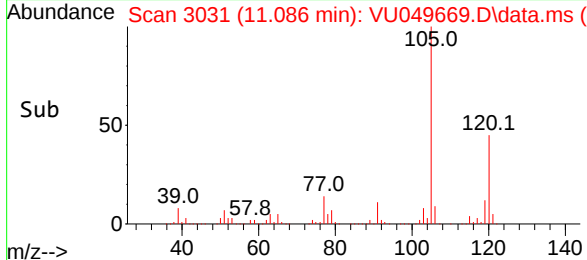
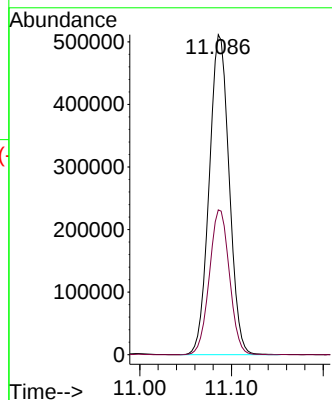
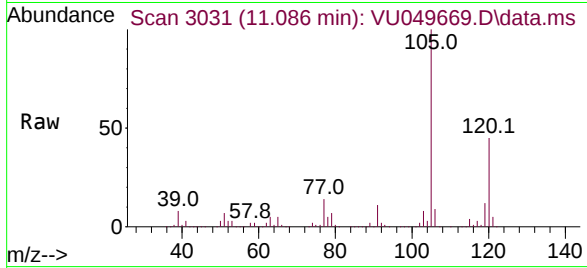




#62
1,3,5-Trimethylbenzene
Concen: 114.637 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

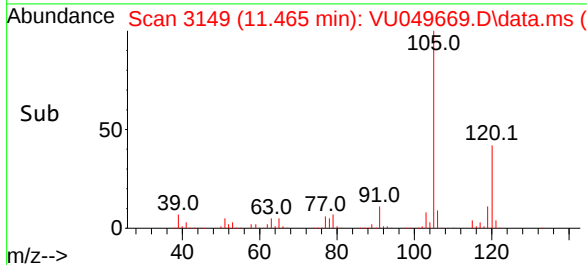
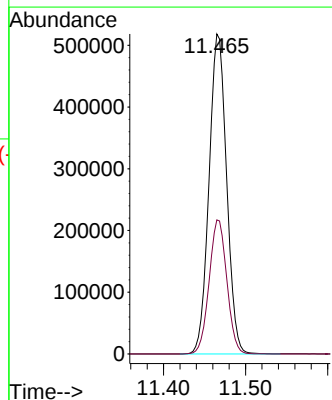
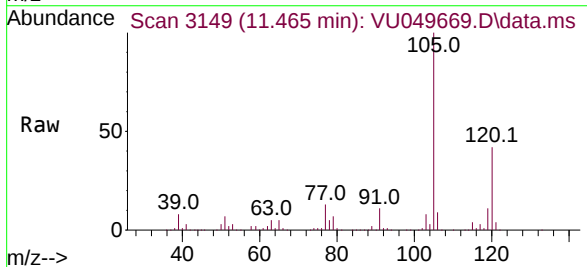
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

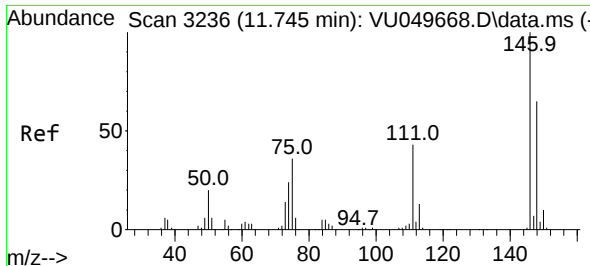
Tgt Ion:105 Resp: 771929
Ion Ratio Lower Upper
105 100
120 45.6 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 136.036 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion:105 Resp: 773338
Ion Ratio Lower Upper
105 100
120 42.2 33.9 50.9

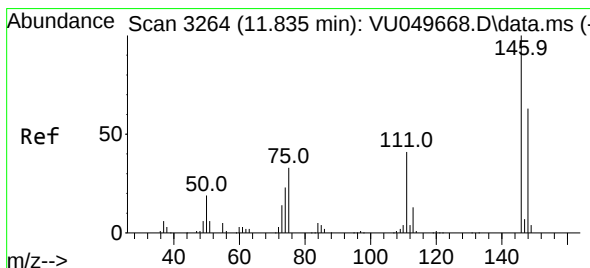
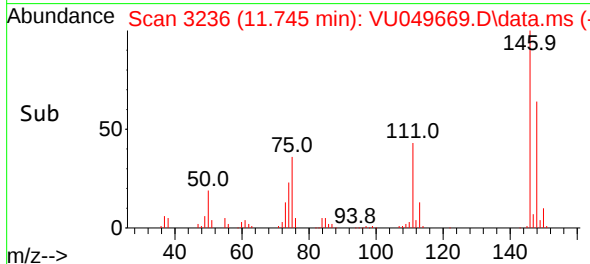
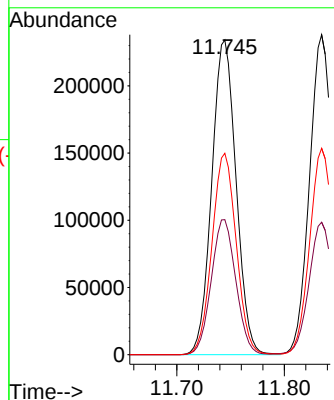
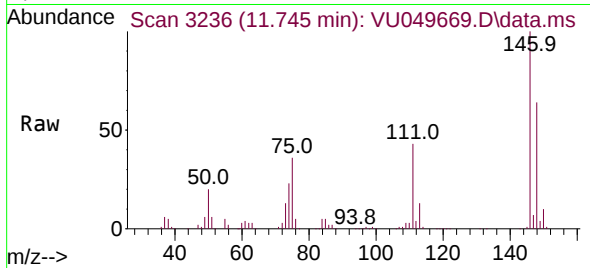




#64
1,3-Dichlorobenzene
Concen: 96.321 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

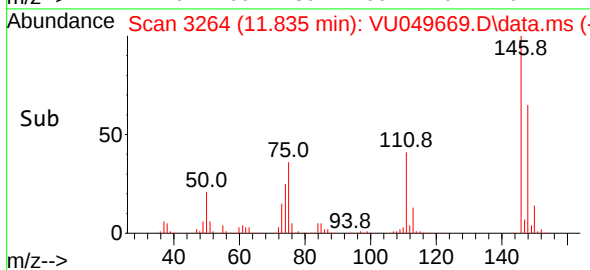
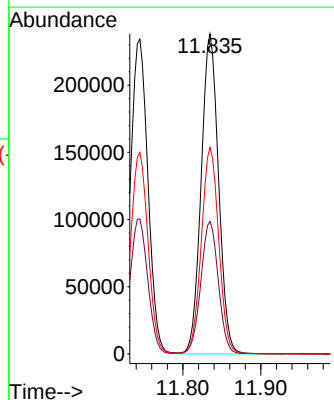
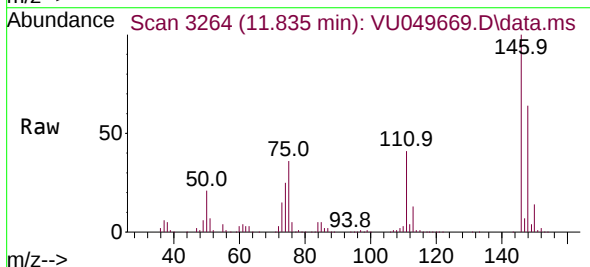
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

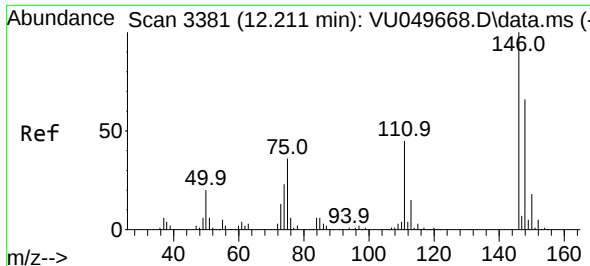
Tgt Ion:146 Resp: 368348
Ion Ratio Lower Upper
146 100
111 42.9 30.0 55.6
148 64.0 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 95.744 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion:146 Resp: 369343
Ion Ratio Lower Upper
146 100
111 41.4 29.1 54.1
148 64.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 96.391 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD100004

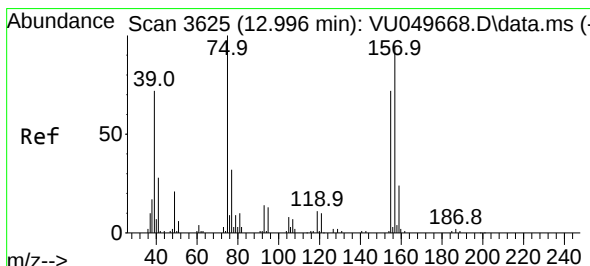
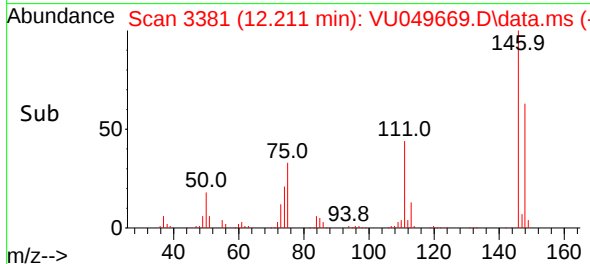
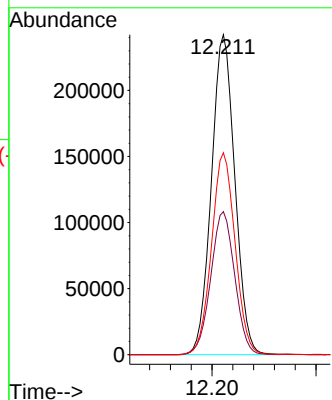
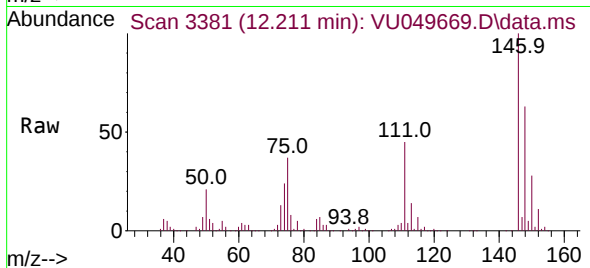
Tgt Ion:146 Resp: 379368

Ion Ratio Lower Upper

146 100

111 44.7 35.8 53.8

148 63.1 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 93.198 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049669.D

Acq: 11 Jul 2022 11:34

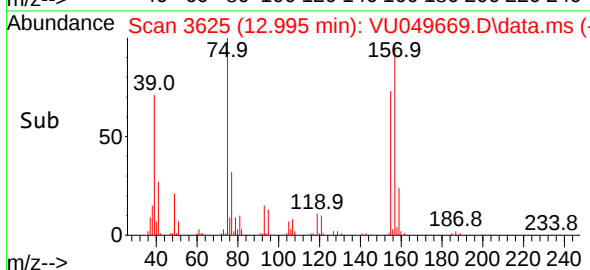
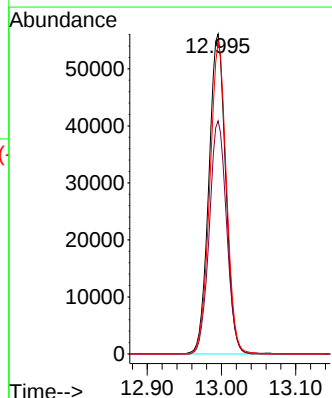
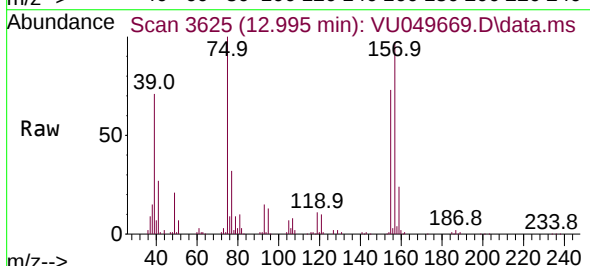
Tgt Ion: 75 Resp: 88369

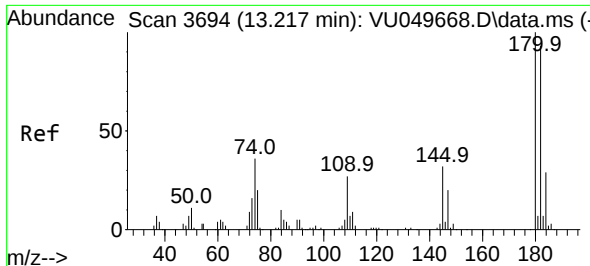
Ion Ratio Lower Upper

75 100

155 72.8 57.7 86.5

157 97.4 75.6 113.4

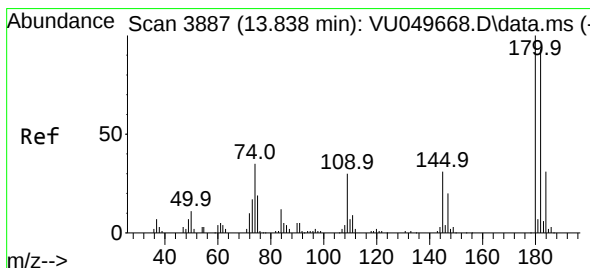
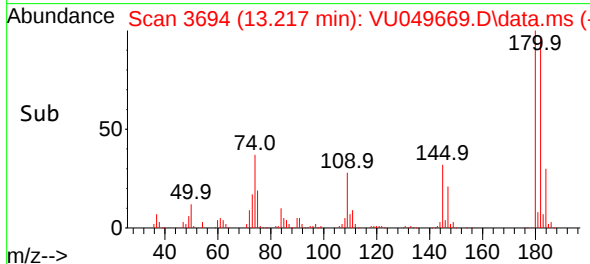
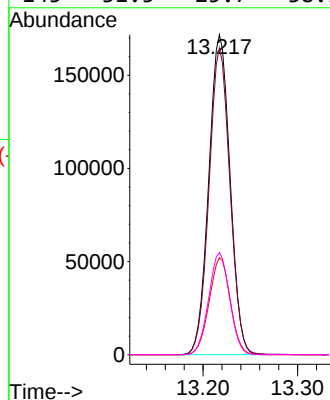
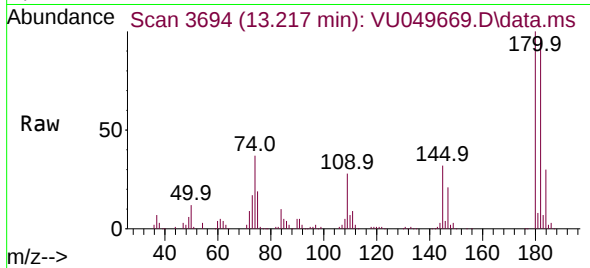




#69
1,3,5-Trichlorobenzene
Concen: 98.410 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

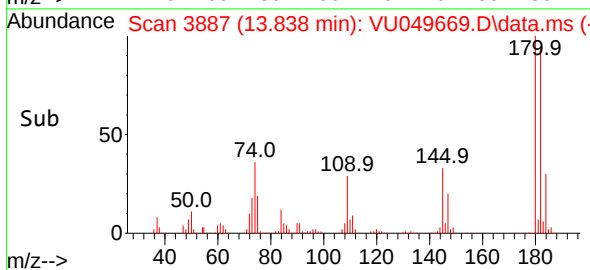
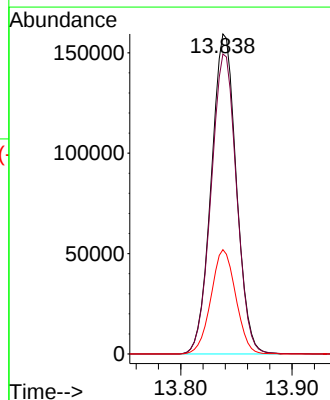
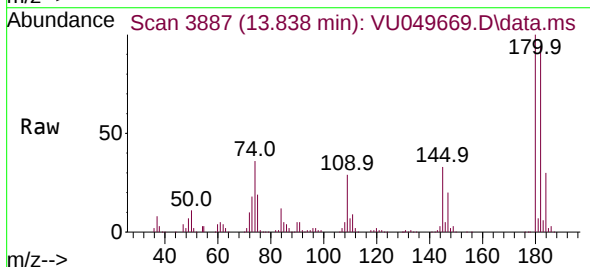
Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

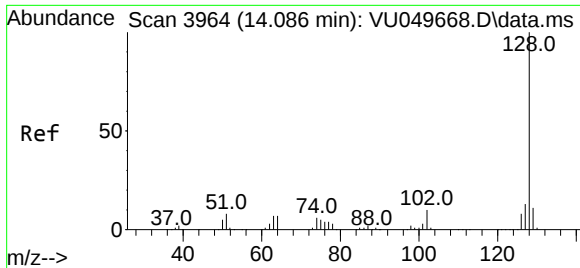
Tgt Ion:180 Resp: 267894
Ion Ratio Lower Upper
180 100
182 94.5 76.0 114.0
184 30.2 24.0 36.0
145 31.5 25.7 38.5



#70
1,2,4-trichlorobenzene
Concen: 106.736 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion:180 Resp: 248786
Ion Ratio Lower Upper
180 100
182 95.1 74.8 112.2
145 32.3 24.7 37.1

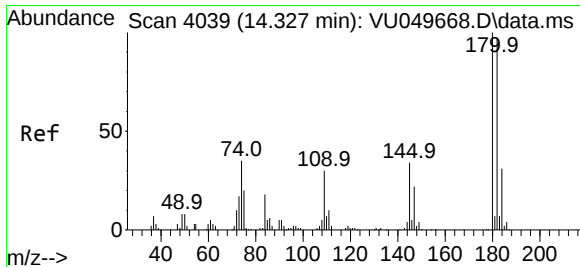
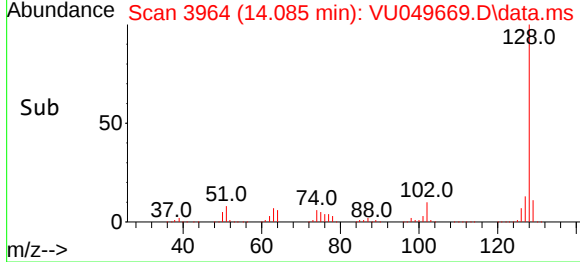
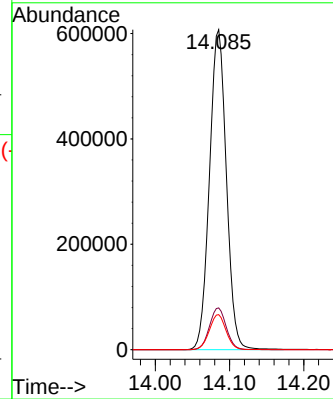
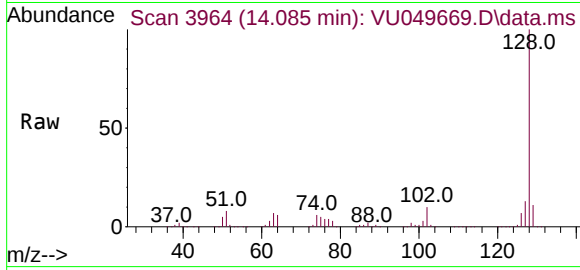




#71
Naphthalene
Concen: 114.832 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD100004

Tgt Ion:	128	Resp:	958363
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.9	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 106.885 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU049669.D
Acq: 11 Jul 2022 11:34

Tgt Ion:	180	Resp:	263110
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.6	115.0
145	33.9	27.1	40.7

