

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046341.D
 Acq On : 14 Dec 2021 00:57
 Operator : SY/MD
 Sample : M5062-20 20X
 Misc : 6.26g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 03:45:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

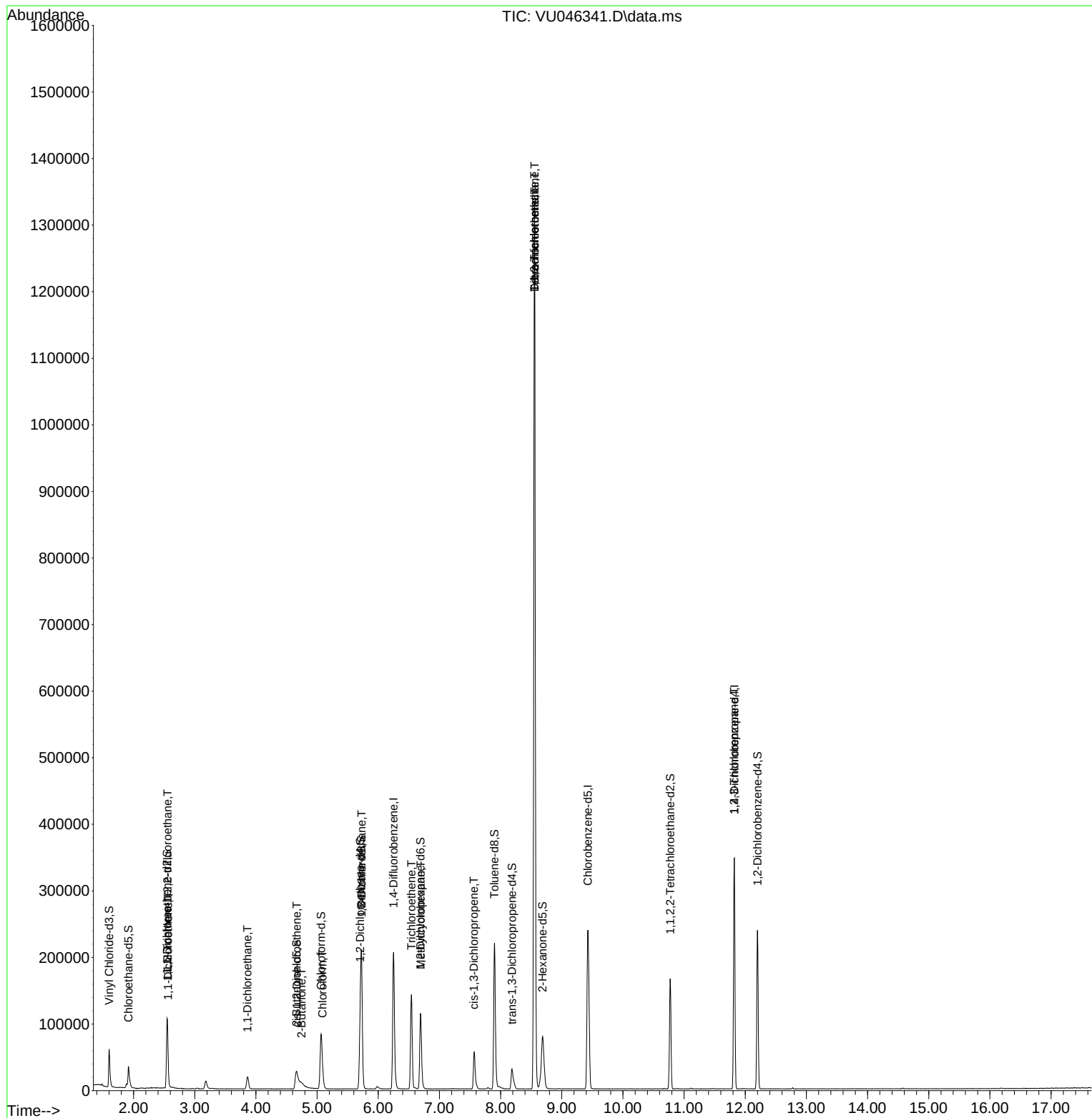
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	181889	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	188788	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	89985	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	50944	34.001	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.000%
7) Chloroethane-d5	1.916	69	33475	29.099	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	58.200%#
11) 1,1-Dichloroethene-d2	2.549	63	61810	22.980	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	45.960%#
21) 2-Butanone-d5	4.665	46	67590	56.747	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	56.750%
24) Chloroform-d	5.066	84	80872	32.322	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.640%#
26) 1,2-Dichloroethane-d4	5.703	65	63240	37.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.320%
32) Benzene-d6	5.726	84	184737	34.141	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.280%#
36) 1,2-Dichloropropane-d6	6.690	67	58798	35.062	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	70.120%
41) Toluene-d8	7.899	98	164026	33.293	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	66.580%#
43) trans-1,3-Dichloroprop...	8.185	79	28431	35.121	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.240%
47) 2-Hexanone-d5	8.687	63	55639	69.977	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	=	69.980%
56) 1,1,2,2-Tetrachloroeth...	10.774	84	87846	34.542	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	69.080%
66) 1,2-Dichlorobenzene-d4	12.201	152	60584	34.960	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.920%#
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.555	101	584	0.441	ug/L #	21
12) 1,1-Dichloroethene	2.562	96	8059	6.408	ug/L #	1
19) 1,1-Dichloroethane	3.861	63	22358	9.239	ug/L	95
20) cis-1,2-Dichloroethene	4.668	96	1835	1.271	ug/L	84
22) 2-Butanone	4.745	43	9163	5.655	ug/L	84
25) Chloroform	5.089	83	14719	5.474	ug/L	96
27) 1,2-Dichloroethane	5.729	62	958	0.480	ug/L #	73
34) Trichloroethene	6.542	95	50057	33.254	ug/L	98
35) Methylcyclohexane	6.693	83	14495	6.210	ug/L #	20
39) cis-1,3-Dichloropropene	7.565	75	1764	0.775	ug/L #	60
45) 1,1,2-Trichloroethane	8.552	97	2908	1.937	ug/L #	1
46) Tetrachloroethene	8.555	164	295076	266.748	ug/L	99
49) Dibromochloromethane	8.555	129	297250	188.500	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	10772	5.461	ug/L #	66

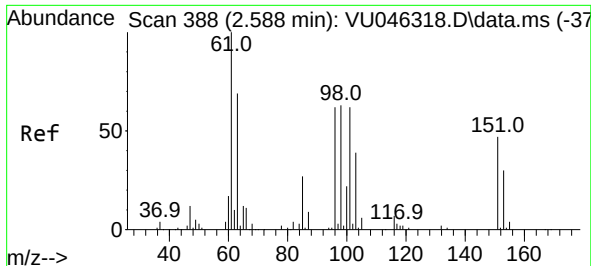
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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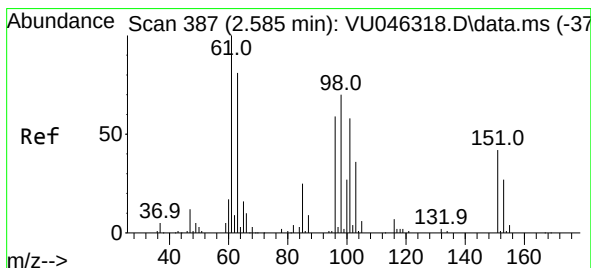
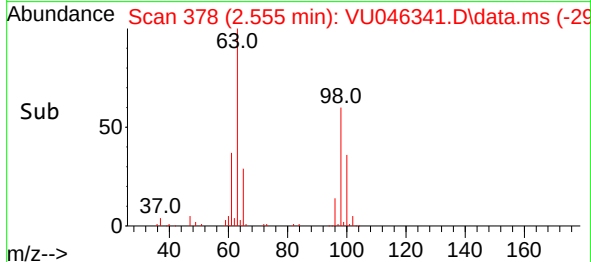
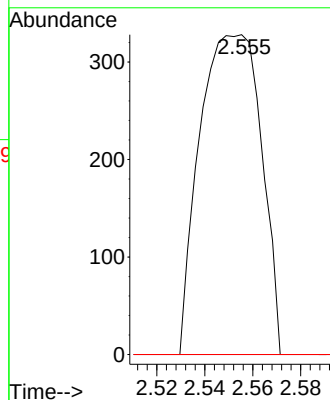
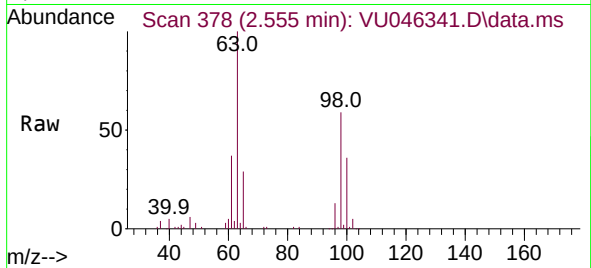




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.441 ug/L
 RT: 2.555 min Scan# 31
 Delta R.T. -0.032 min
 Lab File: VU046341.D
 Acq: 14 Dec 2021 00:57

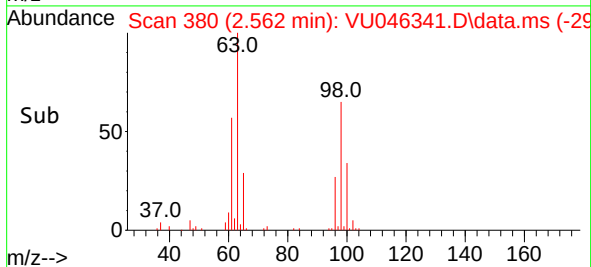
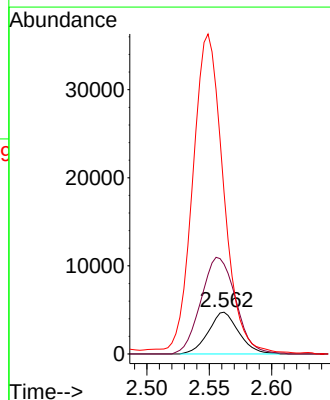
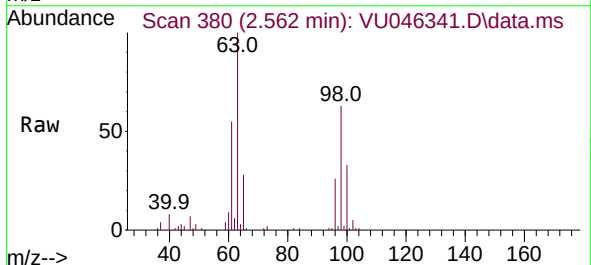
Instrument :
 MSVOA_W
 ClientSampleId :

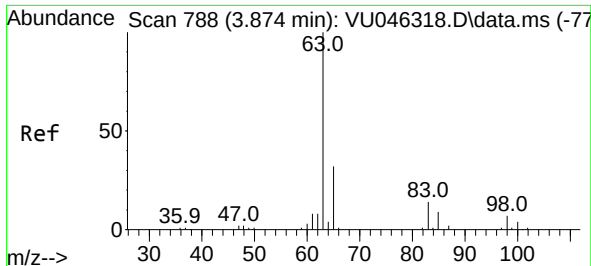
Tgt Ion:101 Resp: 584
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 6.408 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.023 min
 Lab File: VU046341.D
 Acq: 14 Dec 2021 00:57

Tgt Ion: 96 Resp: 8059
 Ion Ratio Lower Upper
 96 100
 61 214.5 118.6 220.2
 63 386.7 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 9.239 ug/L

RT: 3.861 min Scan# 71

Delta R.T. -0.013 min

Lab File: VU046341.D

Acq: 14 Dec 2021 00:57

Instrument :

MSVOA_W

ClientSampleId :

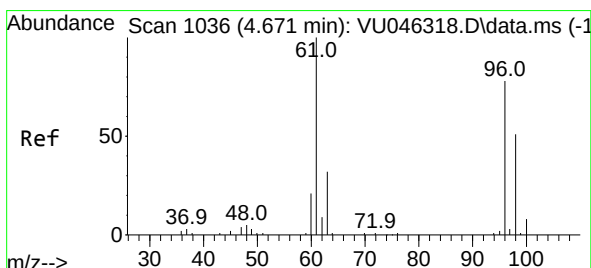
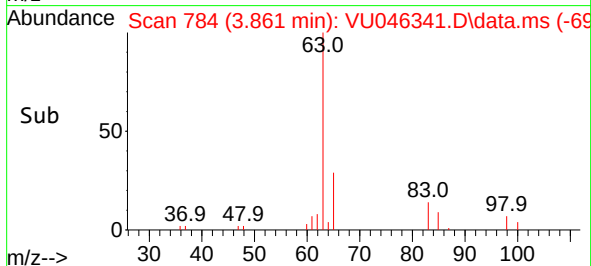
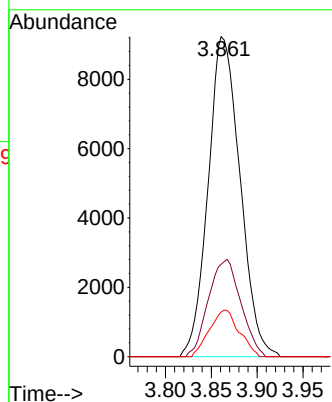
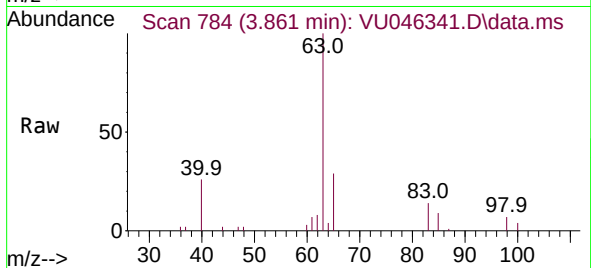
Tgt Ion: 63 Resp: 22358

Ion Ratio Lower Upper

63 100

65 28.9 22.8 42.4

83 14.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 1.271 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU046341.D

Acq: 14 Dec 2021 00:57

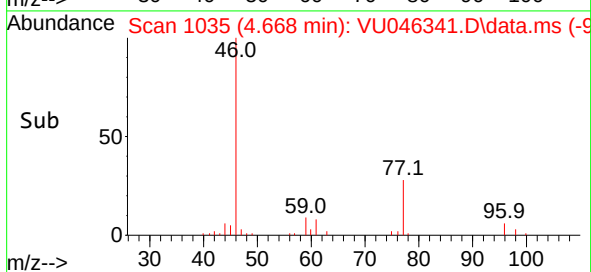
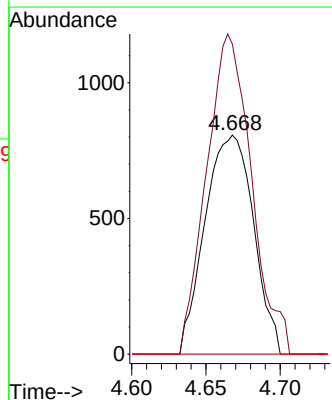
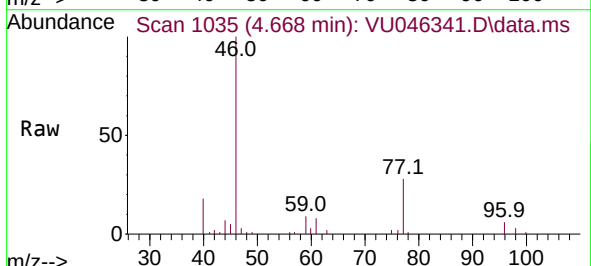
Tgt Ion: 96 Resp: 1835

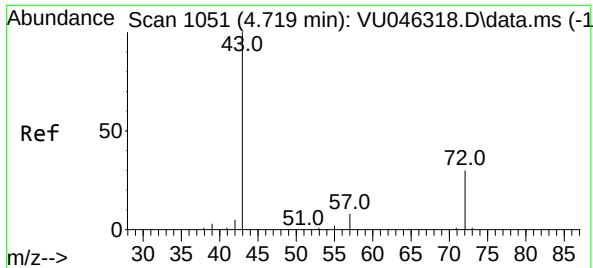
Ion Ratio Lower Upper

96 100

61 141.6 86.8 161.2

68 0.0 0.0 0.0

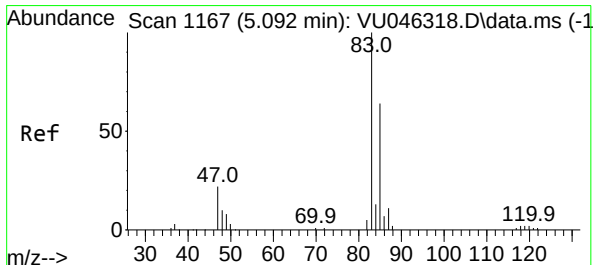
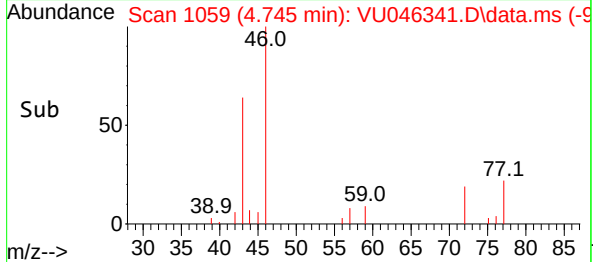
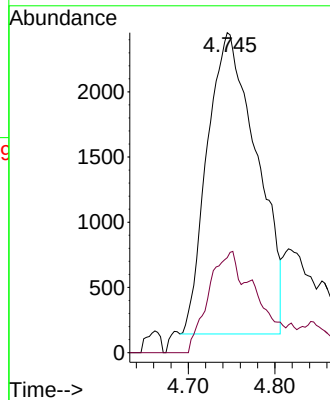
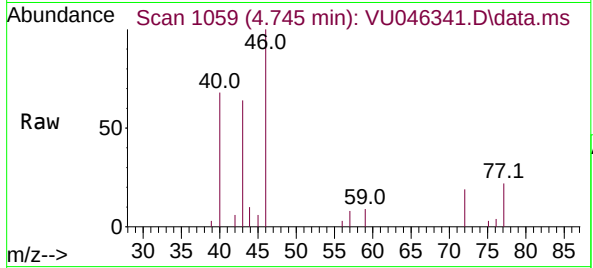




#22
2-Butanone
Concen: 5.655 ug/L
RT: 4.745 min Scan# 1105
Delta R.T. 0.025 min
Lab File: VU046341.D
Acq: 14 Dec 2021 00:57

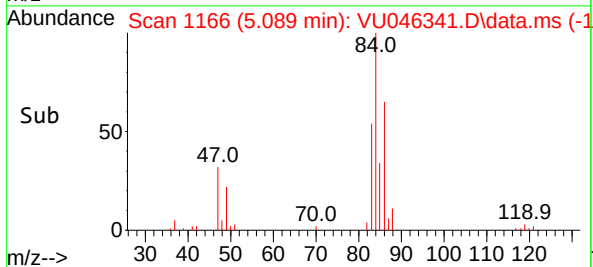
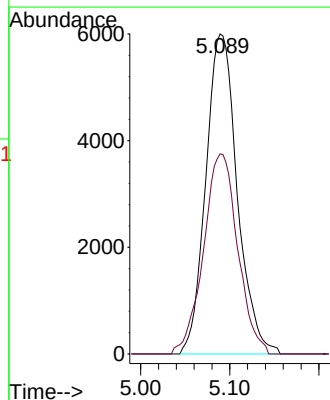
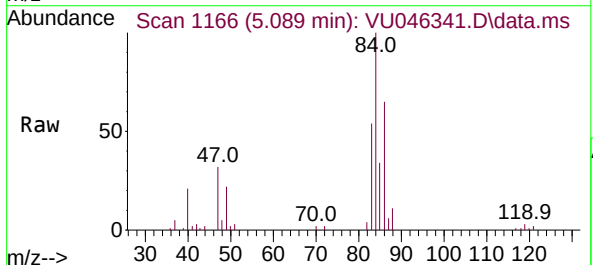
Instrument :
MSVOA_W
ClientSampleId :

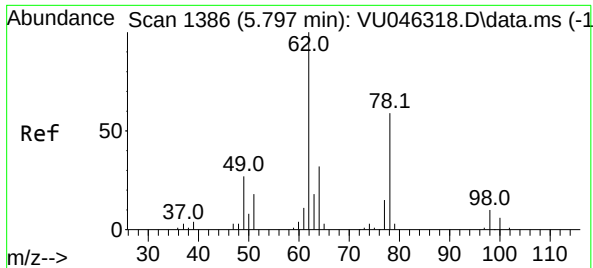
Tgt Ion: 43 Resp: 9163
Ion Ratio Lower Upper
43 100
72 20.3 14.5 43.6



#25
Chloroform
Concen: 5.474 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU046341.D
Acq: 14 Dec 2021 00:57

Tgt Ion: 83 Resp: 14719
Ion Ratio Lower Upper
83 100
85 62.5 45.8 85.2

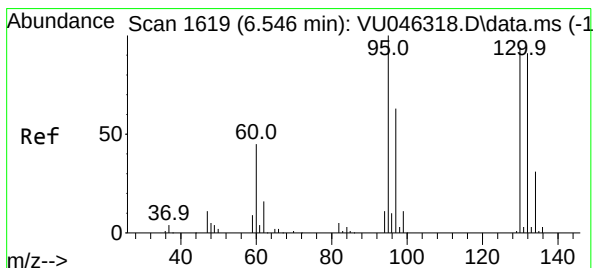
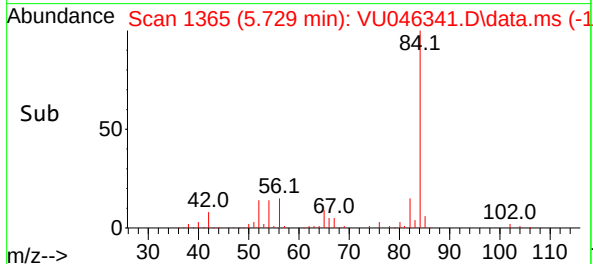
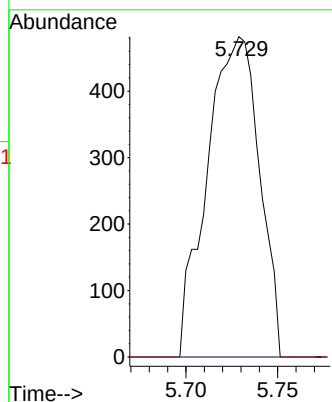
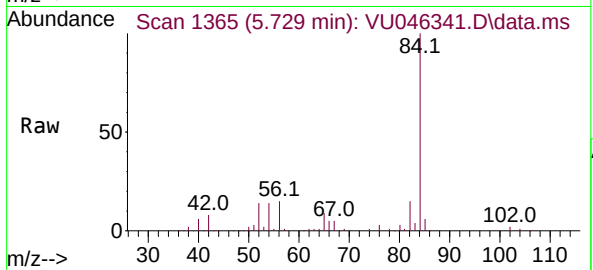




#27
1,2-Dichloroethane
Concen: 0.480 ug/L
RT: 5.729 min Scan# 11
Delta R.T. -0.068 min
Lab File: VU046341.D
Acq: 14 Dec 2021 00:57

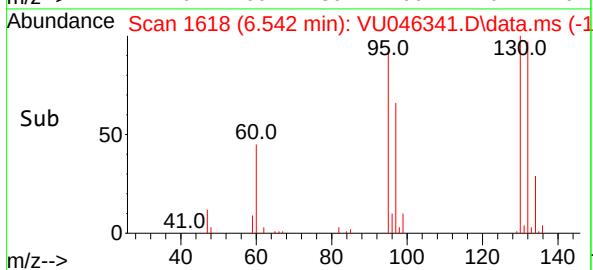
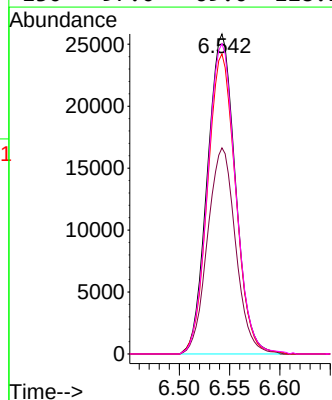
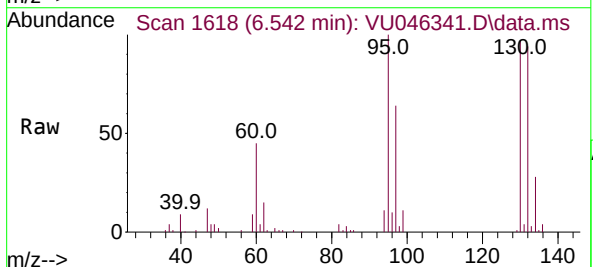
Instrument :
MSVOA_W
ClientSampleId :

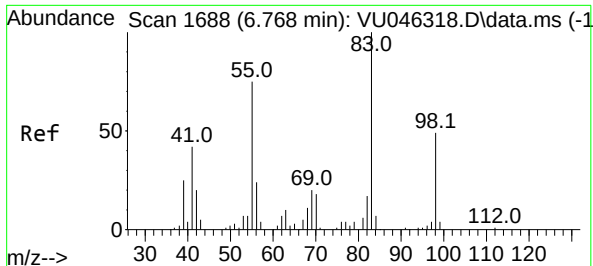
Tgt Ion: 62 Resp: 958
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#34
Trichloroethene
Concen: 33.254 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046341.D
Acq: 14 Dec 2021 00:57

Tgt Ion: 95 Resp: 50057
Ion Ratio Lower Upper
95 100
97 64.4 44.1 81.9
132 93.7 66.8 124.0
130 97.0 69.0 128.1

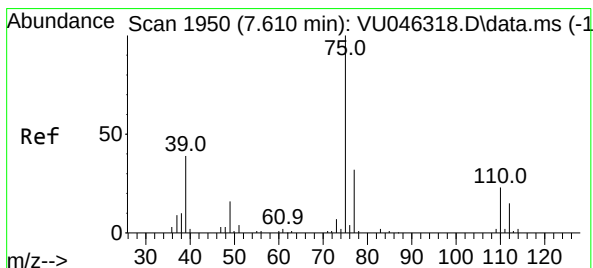
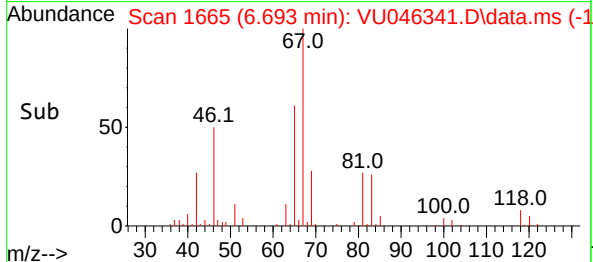
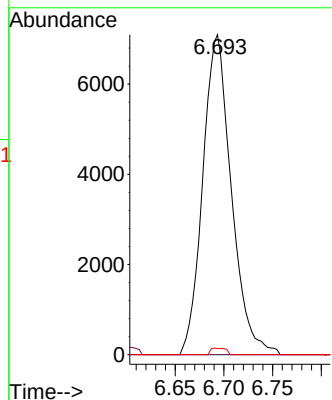
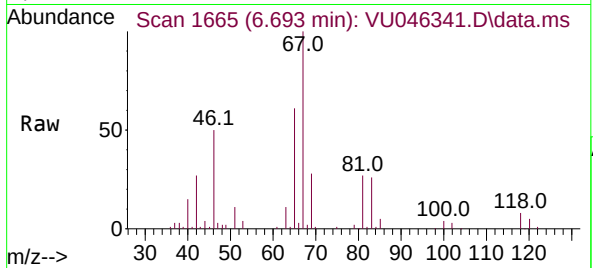




#35
Methylcyclohexane
Concen: 6.210 ug/L
RT: 6.693 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU046341.D
Acq: 14 Dec 2021 00:57

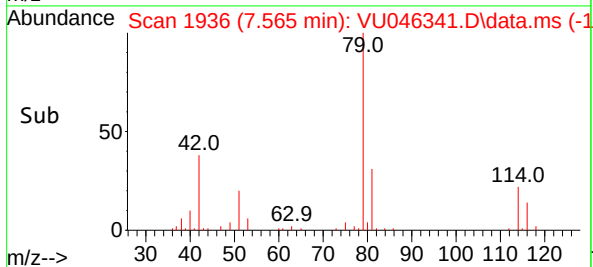
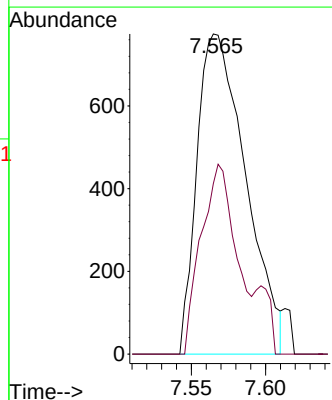
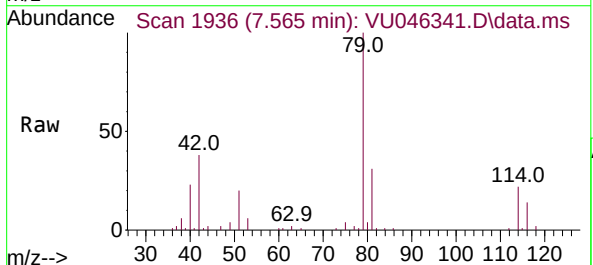
Instrument :
MSVOA_W
ClientSampleId :

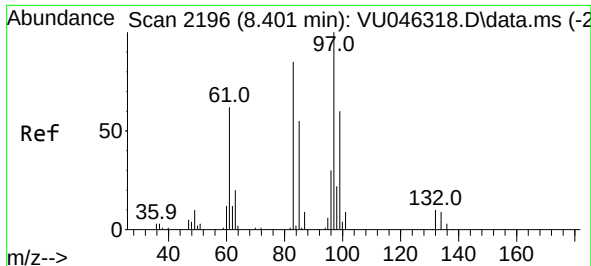
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.6#
98	0.6	38.4	57.6#



#39
cis-1,3-Dichloropropene
Concen: 0.775 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.045 min
Lab File: VU046341.D
Acq: 14 Dec 2021 00:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	53.2	21.8	40.6#





#45

1,1,2-Trichloroethane

Concen: 1.937 ug/L

RT: 8.552 min Scan# 2196

Delta R.T. 0.151 min

Lab File: VU046341.D

Acq: 14 Dec 2021 00:57

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 2908

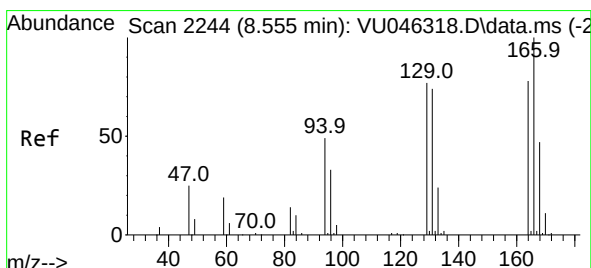
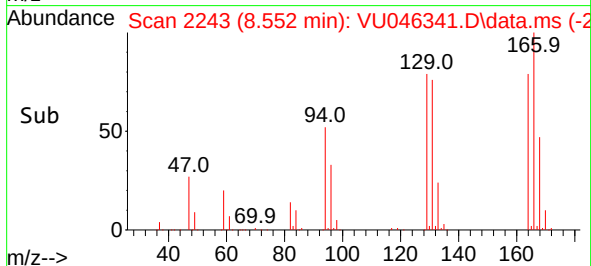
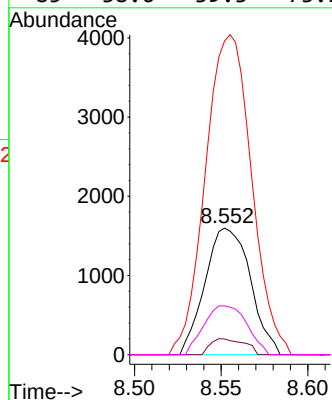
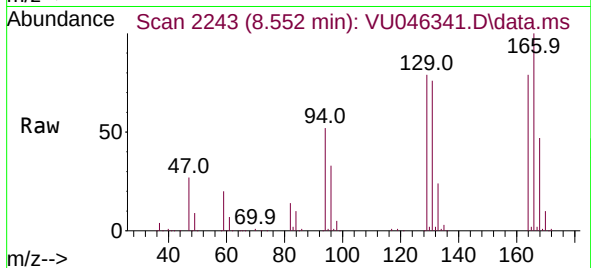
Ion Ratio Lower Upper

97 100

99 12.4 44.7 82.9#

83 247.7 60.2 111.8#

85 38.6 39.3 73.1#



#46

Tetrachloroethene

Concen: 266.748 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046341.D

Acq: 14 Dec 2021 00:57

Tgt Ion:164 Resp: 295076

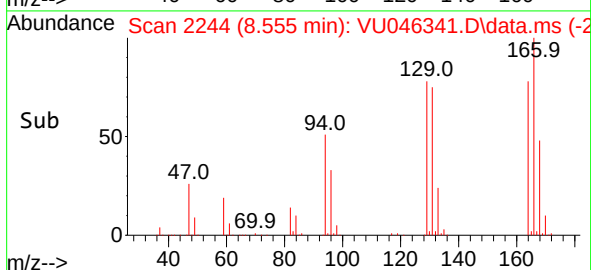
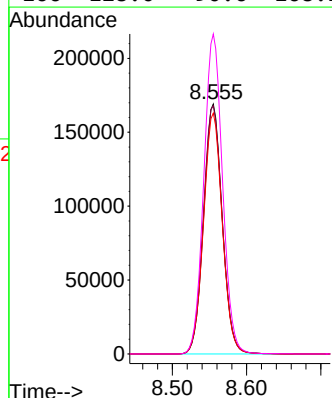
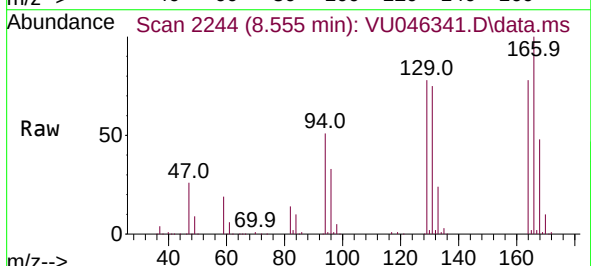
Ion Ratio Lower Upper

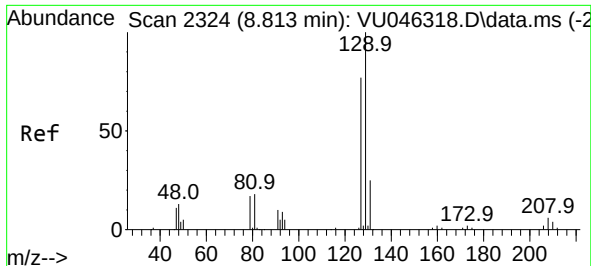
164 100

129 99.3 71.1 132.1

131 96.3 67.8 126.0

166 128.0 90.6 168.2





#49

Dibromochloromethane

Concen: 188.500 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046341.D

Acq: 14 Dec 2021 00:57

Instrument :

MSVOA_W

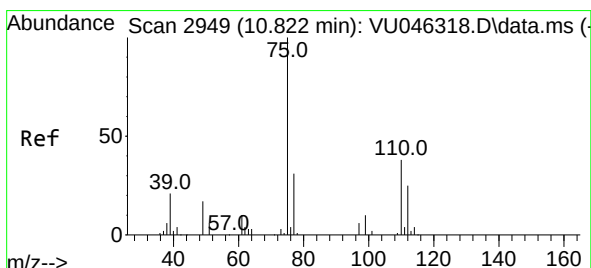
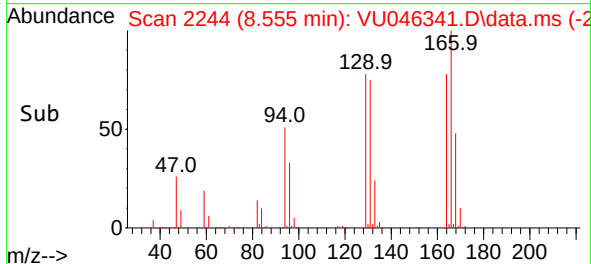
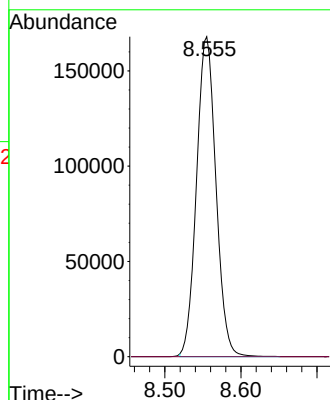
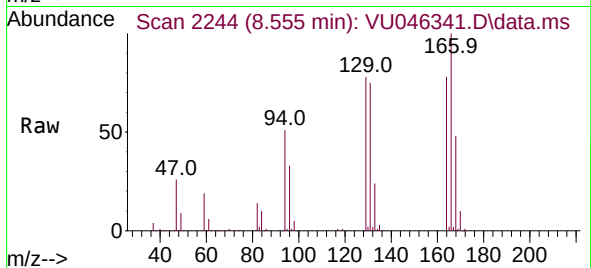
ClientSampleId :

Tgt Ion:129 Resp: 297250

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.461 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.996 min

Lab File: VU046341.D

Acq: 14 Dec 2021 00:57

Tgt Ion: 75 Resp: 10772

Ion Ratio Lower Upper

75 100

77 33.5 26.4 39.6

110 3.0 32.4 48.6#

