

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070722\
 Data File : VW026677.D
 Acq On : 07 Jul 2022 15:19
 Operator : SY/MD
 Sample : N3601-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUA4

Quant Time: Jul 08 03:01:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 08 02:58:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	188402	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	176781	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74653	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	64446	4.253	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.000%
7) Chloroethane-d5	1.580	69	52426	4.307	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.124	63	128797	4.784	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	3.911	46	98008	65.063	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.120%#
24) Chloroform-d	4.358	84	104154	4.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.043	65	42657	4.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.056	84	206470	4.066	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.075	67	63502	4.548	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.316	98	162384	3.556	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
43) trans-1,3-Dichloroprop...	7.628	79	14797	4.100	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.091	63	69430	50.504	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.000%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40000	4.379	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	54859	4.441	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	3083	0.196	ug/L	93
5) Vinyl chloride	1.326	62	702379	42.046	ug/L	93
6) Bromomethane	1.542	94	1073	0.119	ug/L	77
8) Chloroethane	1.445	64	9655	0.850	ug/L #	54
12) 1,1-Dichloroethene	2.130	96	88538	6.958	ug/L	92
14) Carbon disulfide	2.310	76	2826	0.084	ug/L	97
16) Methylene chloride	2.519	84	18269	1.352	ug/L	95
17) Methyl tert-butyl Ether	2.783	73	7751	0.374	ug/L #	84
18) trans-1,2-Dichloroethene	2.770	96	3379912	260.346	ug/L	97
19) 1,1-Dichloroethane	3.207	63	2022	0.087	ug/L	99
22) cis-1,2-Dichloroethene	3.921	96	12985699	1007.300	ug/L	95
25) Chloroform	4.387	83	3379	0.135	ug/L	99
33) Benzene	5.108	78	66960	1.297	ug/L	100
34) Trichloroethene	5.918	95	8048023	593.084	ug/L	98
35) Methylcyclohexane	6.075	83	15196	0.757	ug/L #	20
45) 1,1,2-Trichloroethane	7.706	97	2683	0.342	ug/L #	16
47) Tetrachloroethene	7.976	164	1674861	155.025	ug/L	99
49) Dibromochloromethane	7.976	129	1546263	194.651	ug/L #	11
51) Chlorobenzene	8.886	112	3261	0.093	ug/L #	81

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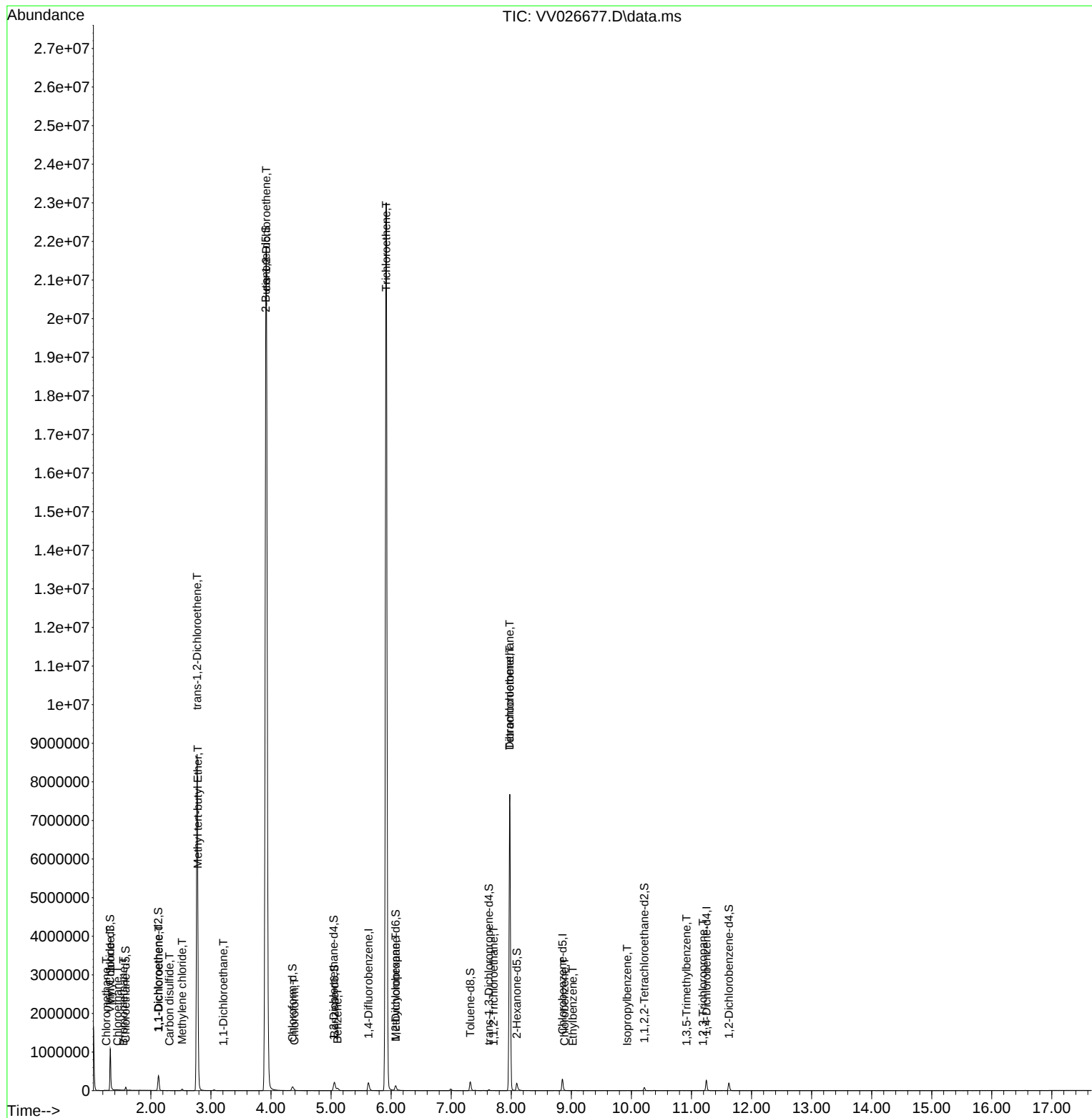
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.024	91	2938	0.053	ug/L	87
60) Isopropylbenzene	9.931	105	2381	0.052	ug/L #	60
61) 1,2,3-Trichloropropane	11.191	75	375	0.078	ug/L #	27
62) 1,3,5-Trimethylbenzene	10.918	105	1994	0.055	ug/L	94

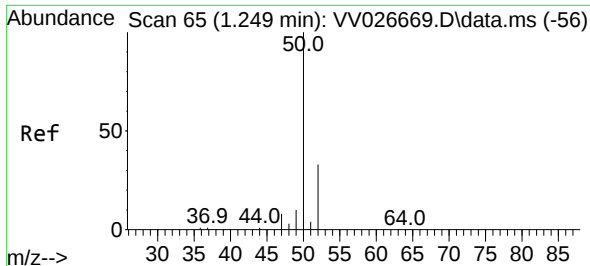
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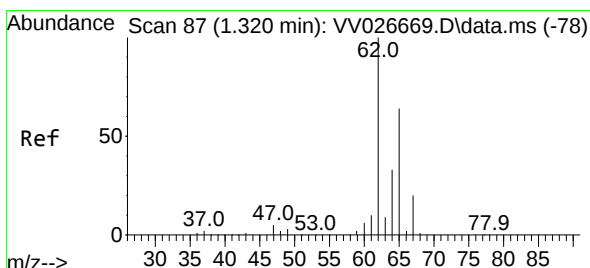
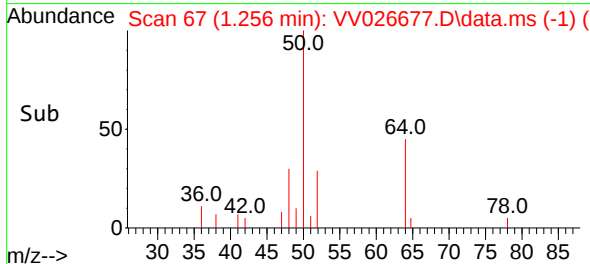
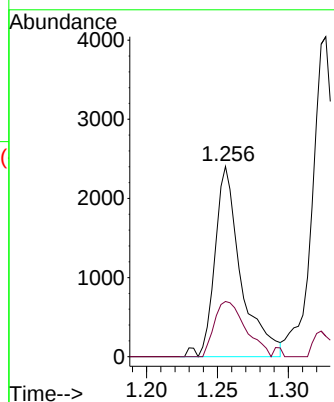
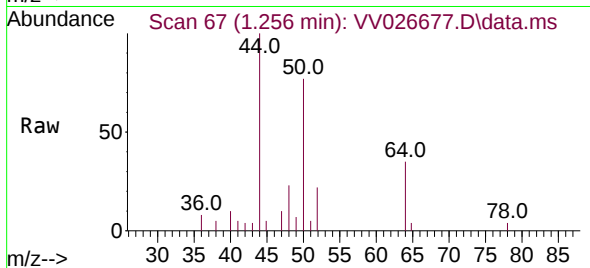




#3
Chloromethane
Concen: 0.196 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

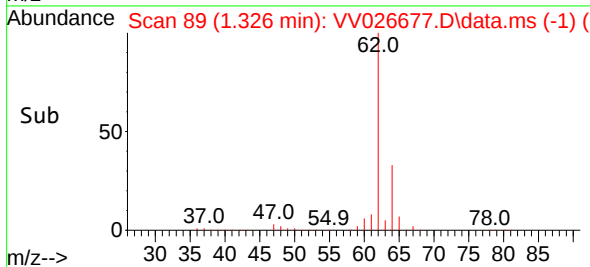
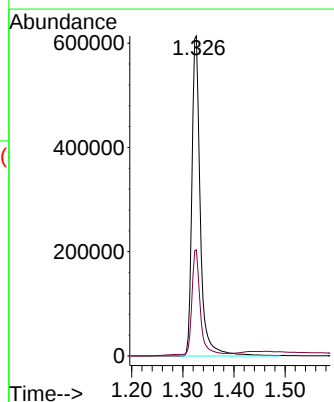
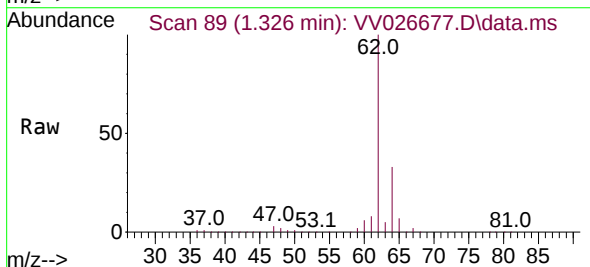
Instrument :
MSVOA_V
ClientSampleId :
DBUA4

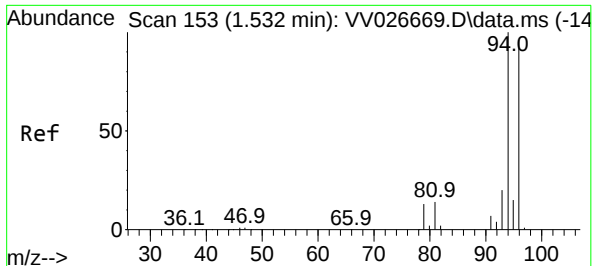
Tgt Ion: 50 Resp: 3083
Ion Ratio Lower Upper
50 100
52 29.0 23.0 42.6



#5
Vinyl chloride
Concen: 42.046 ug/L
RT: 1.326 min Scan# 89
Delta R.T. 0.006 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

Tgt Ion: 62 Resp: 702379
Ion Ratio Lower Upper
62 100
64 33.2 26.2 48.6

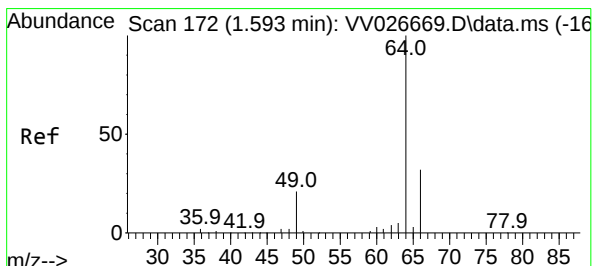
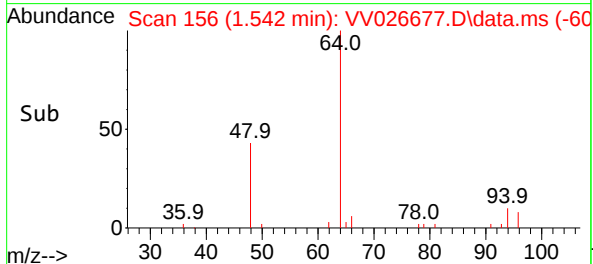
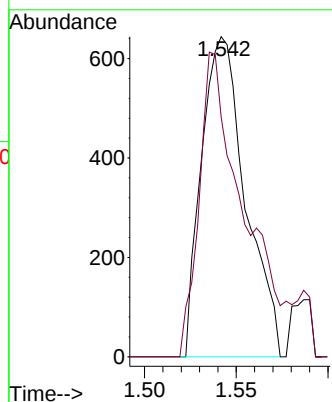
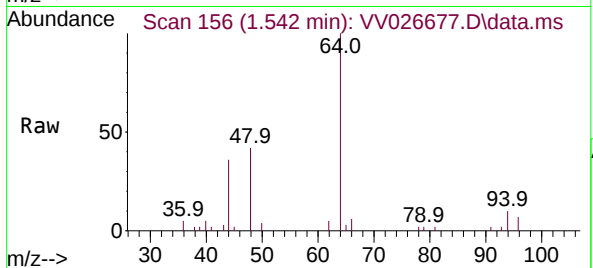




#6
Bromomethane
Concen: 0.119 ug/L
RT: 1.542 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

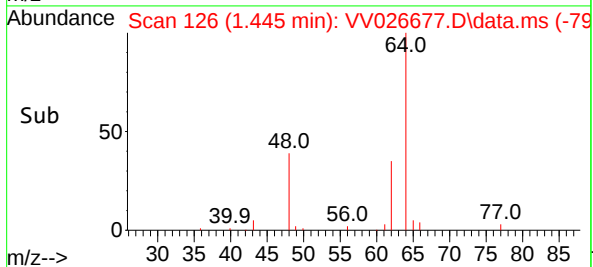
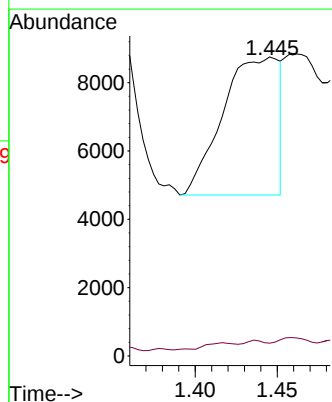
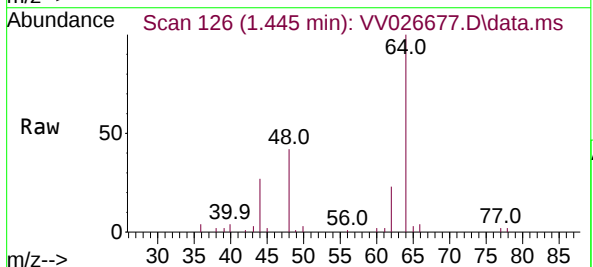
Instrument :
MSVOA_V
ClientSampleId :
DBUA4

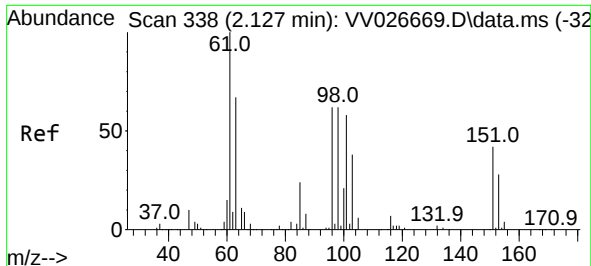
Tgt Ion: 94 Resp: 1073
Ion Ratio Lower Upper
94 100
96 74.8 68.0 126.2



#8
Chloroethane
Concen: 0.850 ug/L
RT: 1.445 min Scan# 126
Delta R.T. -0.148 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

Tgt Ion: 64 Resp: 9655
Ion Ratio Lower Upper
64 100
66 4.3 20.0 37.2#





#12

1,1-Dichloroethene

Concen: 6.958 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV026677.D

Acq: 07 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

DBUA4

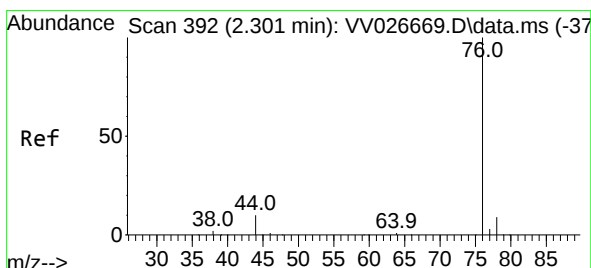
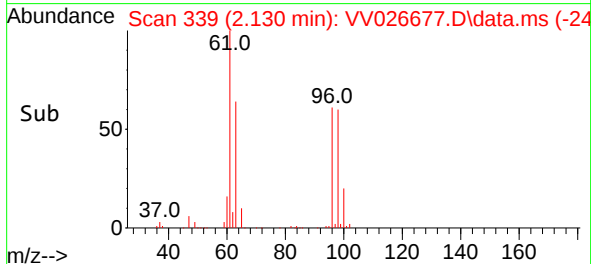
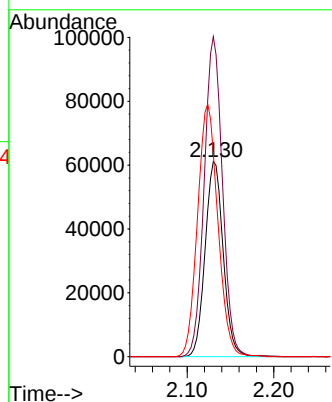
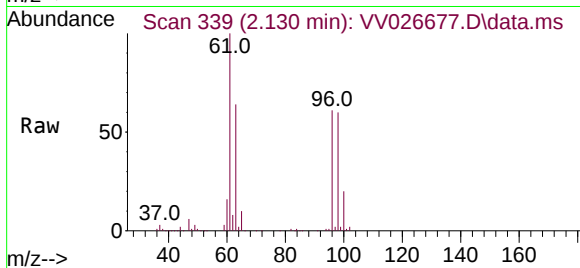
Tgt Ion: 96 Resp: 88538

Ion Ratio Lower Upper

96 100

61 163.9 115.4 214.4

63 104.4 87.4 162.2



#14

Carbon disulfide

Concen: 0.084 ug/L

RT: 2.310 min Scan# 395

Delta R.T. 0.009 min

Lab File: VV026677.D

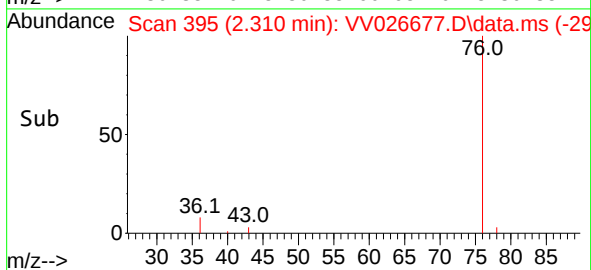
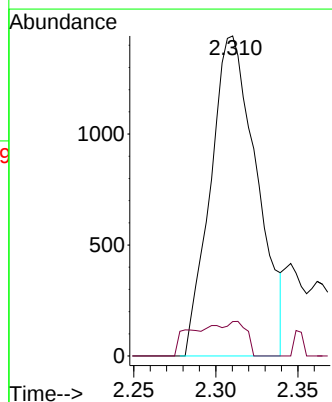
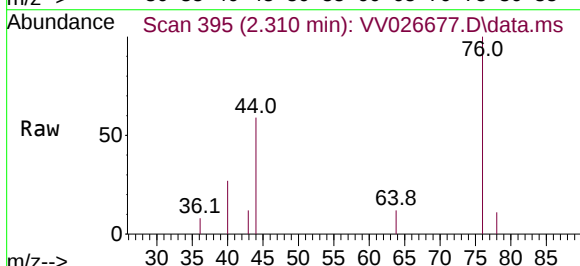
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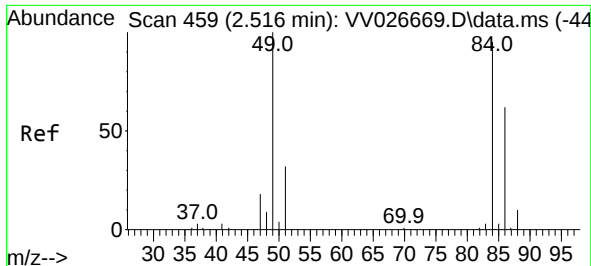
Tgt Ion: 76 Resp: 2826

Ion Ratio Lower Upper

76 100

78 10.7 7.8 11.6

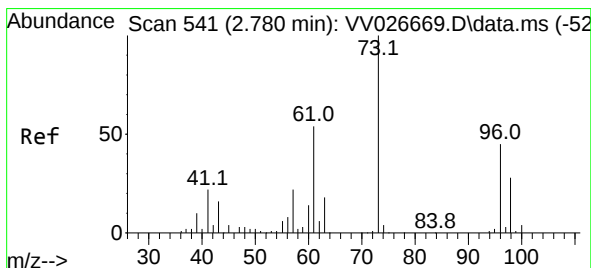
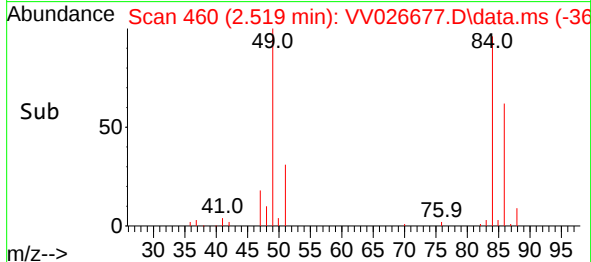
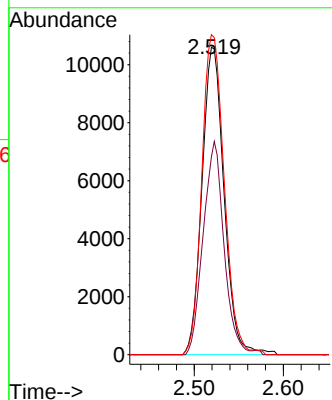
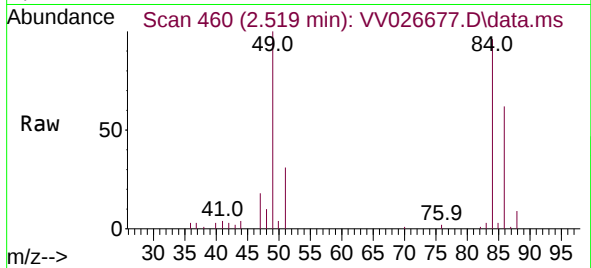




#16
Methylene chloride
Concen: 1.352 ug/L
RT: 2.519 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

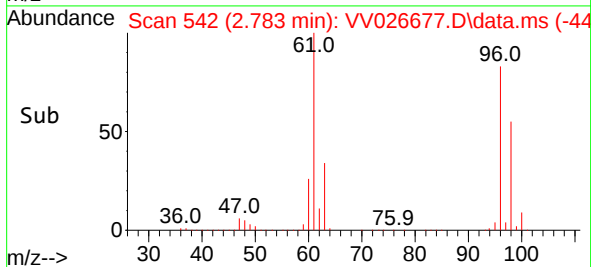
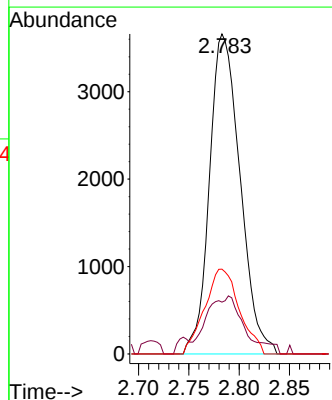
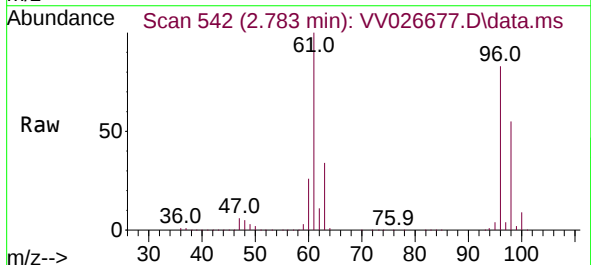
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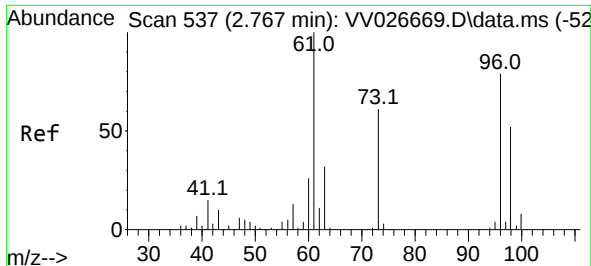
Tgt Ion: 84 Resp: 18269
Ion Ratio Lower Upper
84 100
86 64.4 46.0 85.4
49 104.1 77.7 144.3



#17
Methyl tert-butyl Ether
Concen: 0.374 ug/L
RT: 2.783 min Scan# 542
Delta R.T. 0.003 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

Tgt Ion: 73 Resp: 7751
Ion Ratio Lower Upper
73 100
43 22.7 13.3 19.9#
57 30.0 17.2 25.8#



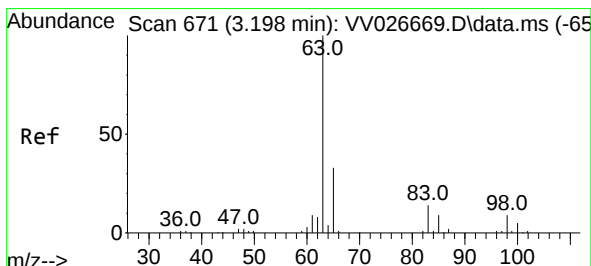
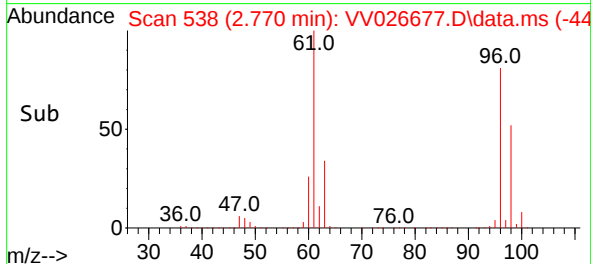
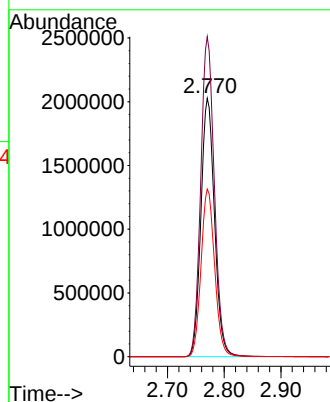
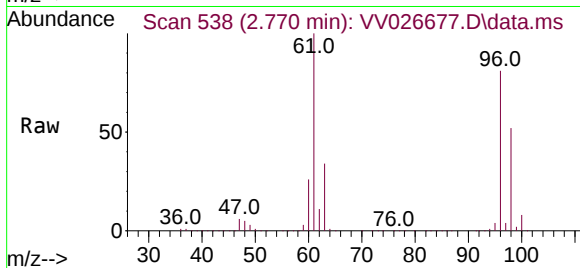


#18
trans-1,2-Dichloroethene
Concen: 260.346 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

Instrument :
MSVOA_V
ClientSampleId :
DBUA4

Tgt Ion: 96 Resp: 3379912

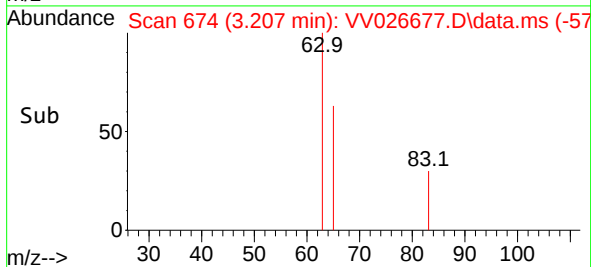
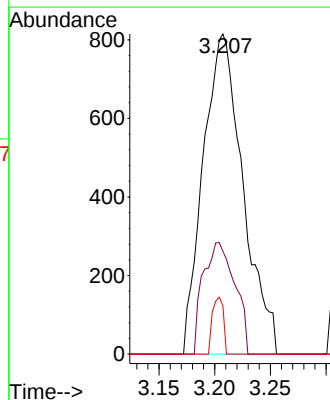
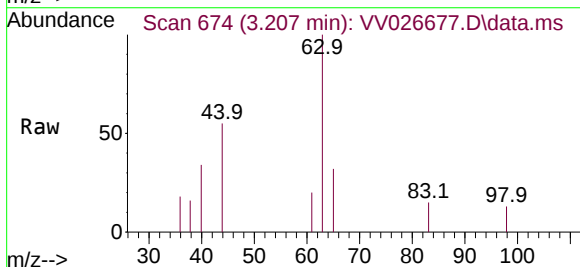
Ion	Ratio	Lower	Upper
96	100		
61	123.8	90.4	167.8
98	64.9	45.6	84.8

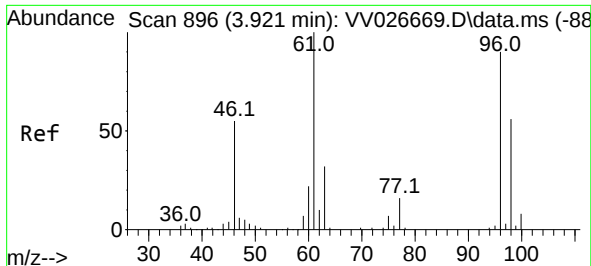


#19
1,1-Dichloroethane
Concen: 0.087 ug/L
RT: 3.207 min Scan# 674
Delta R.T. 0.009 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

Tgt Ion: 63 Resp: 2022

Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.0	42.6
83	15.1	10.2	19.0





#22

cis-1,2-Dichloroethene

Concen: 1007.300 ug/L

RT: 3.921 min Scan# 896

Delta R.T. -0.000 min

Lab File: VV026677.D

Acq: 07 Jul 2022 15:19

Instrument :

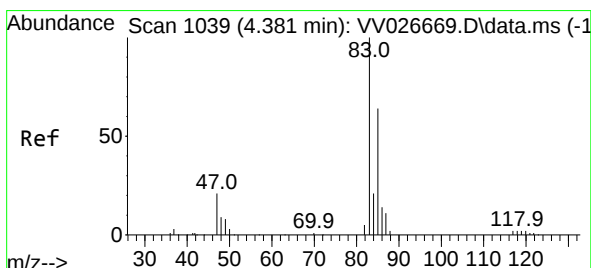
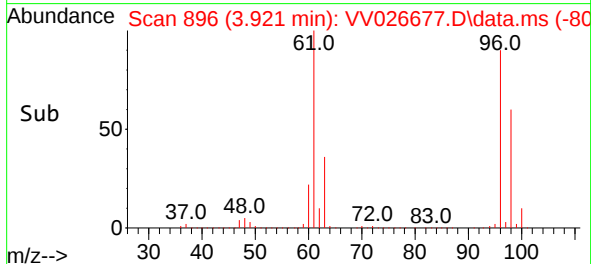
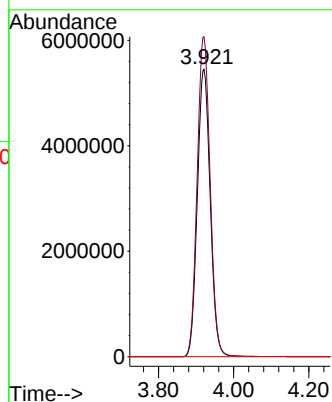
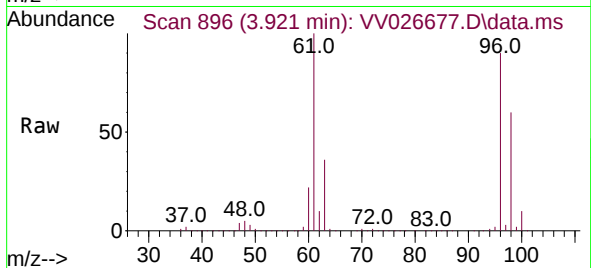
MSVOA_V

ClientSampleId :

DBUA4

Tgt Ion: 96 Resp:12985699

Ion	Ratio	Lower	Upper
96	100		
61	111.3	82.0	152.2
68	0.0	0.0	0.0



#25

Chloroform

Concen: 0.135 ug/L

RT: 4.387 min Scan# 1041

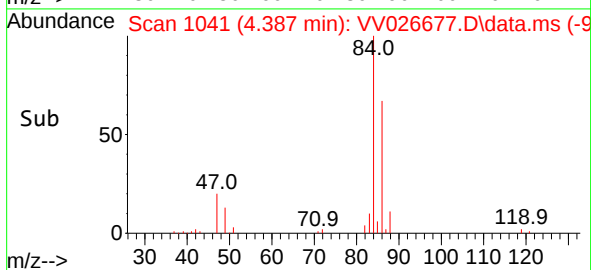
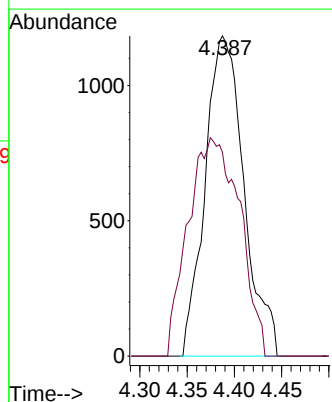
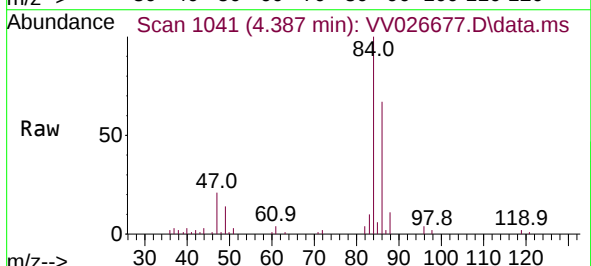
Delta R.T. 0.006 min

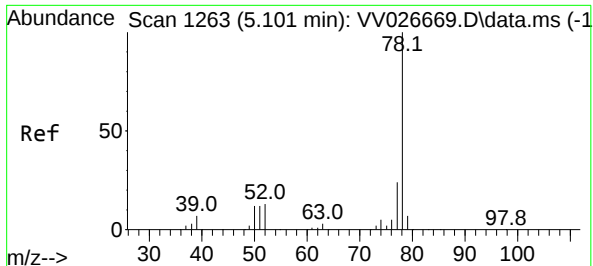
Lab File: VV026677.D

Acq: 07 Jul 2022 15:19

Tgt Ion: 83 Resp: 3379

Ion	Ratio	Lower	Upper
83	100		
85	63.7	44.0	81.8

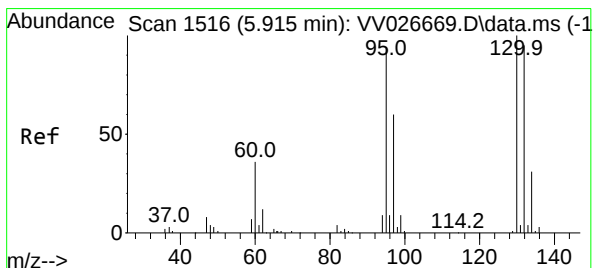
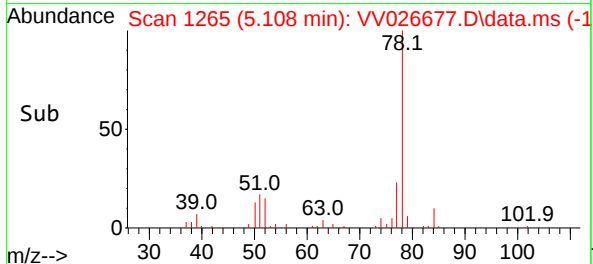
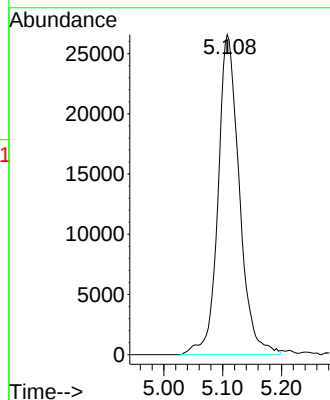
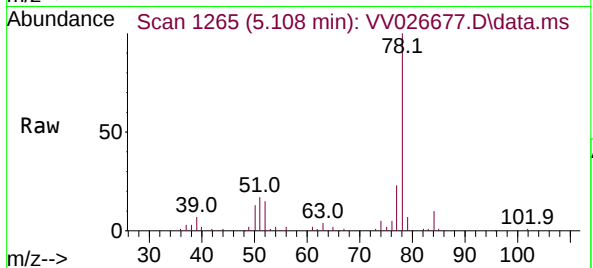




#33
Benzene
Concen: 1.297 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

Instrument :
MSVOA_V
ClientSampleId :
DBUA4

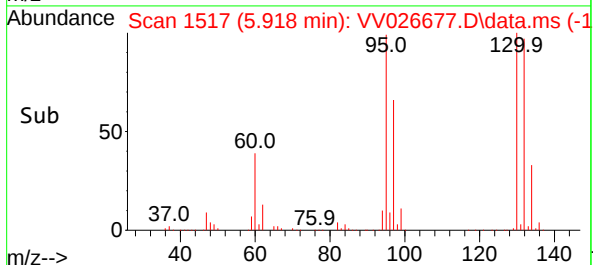
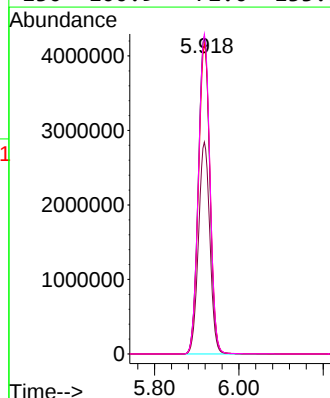
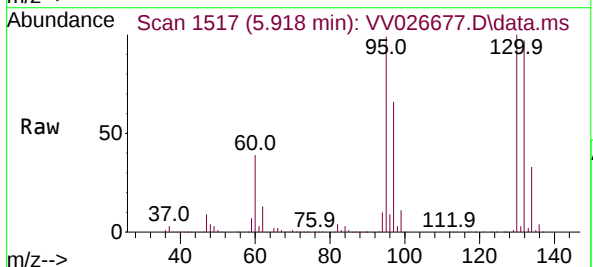
Tgt Ion: 78 Resp: 66960

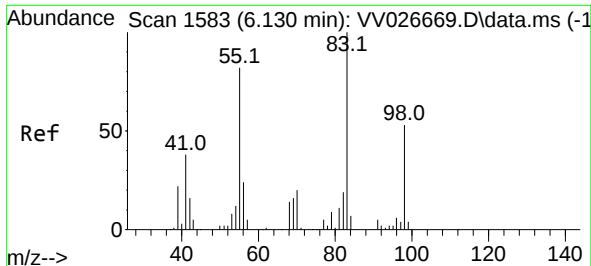


#34
Trichloroethene
Concen: 593.084 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

Tgt Ion: 95 Resp: 8048023

Ion	Ratio	Lower	Upper
95	100		
97	66.8	46.8	87.0
132	97.7	69.9	129.7
130	100.9	72.0	133.8

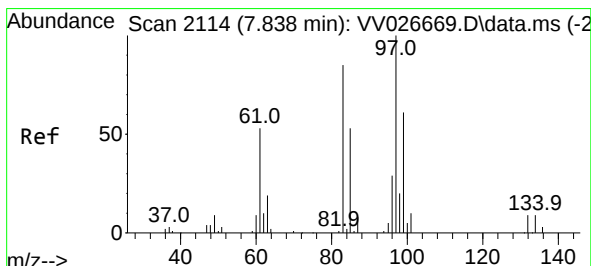
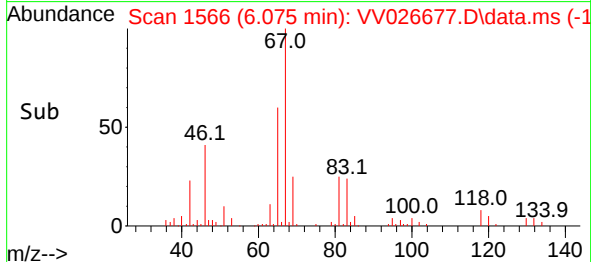
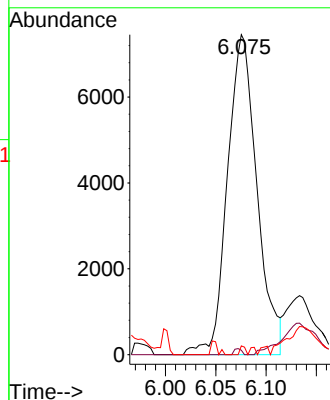
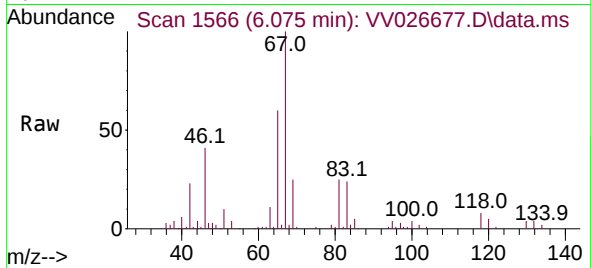




#35
Methylcyclohexane
Concen: 0.757 ug/L
RT: 6.075 min Scan# 1
Delta R.T. -0.055 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

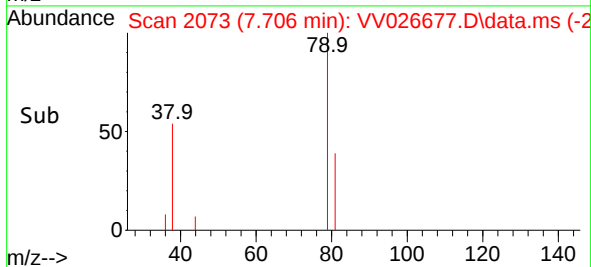
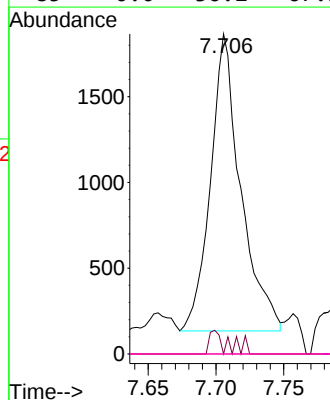
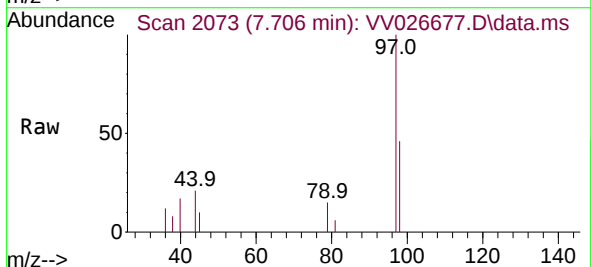
Instrument :
MSVOA_V
ClientSampleId :
DBUA4

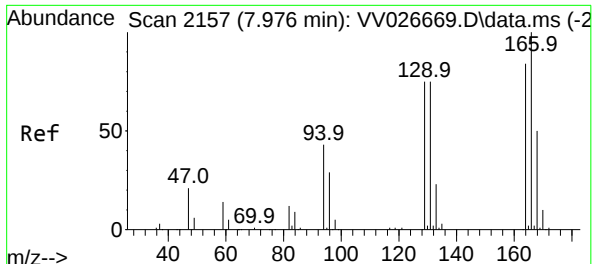
Tgt Ion: 83 Resp: 15196
Ion Ratio Lower Upper
83 100
55 0.5 57.0 85.4#
98 0.0 39.8 59.8#



#45
1,1,2-Trichloroethane
Concen: 0.342 ug/L
RT: 7.706 min Scan# 2073
Delta R.T. -0.132 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

Tgt Ion: 97 Resp: 2683
Ion Ratio Lower Upper
97 100
99 0.0 43.4 80.6#
83 0.0 58.0 107.8#
85 0.0 36.2 67.2#





#47

Tetrachloroethene

Concen: 155.025 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV026677.D

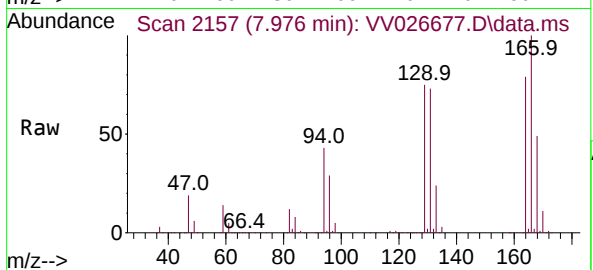
Acq: 07 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

DBUA4



Tgt Ion:164 Resp: 1674861

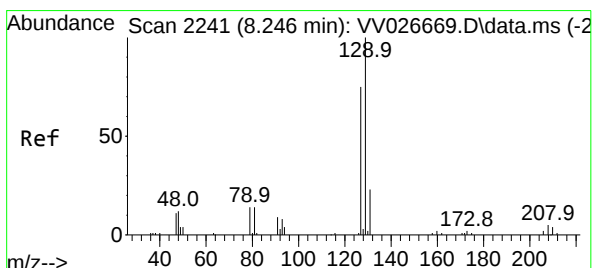
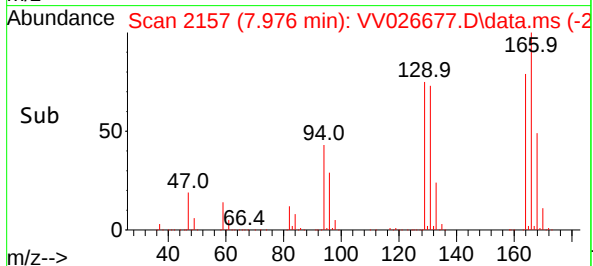
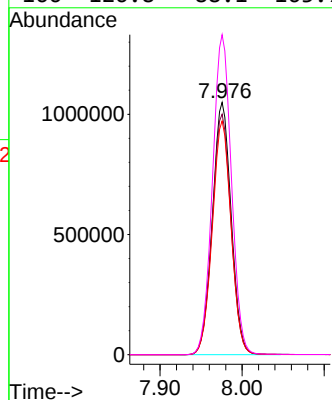
Ion Ratio Lower Upper

164 100

129 95.3 66.4 123.2

131 92.6 64.4 119.6

166 126.8 88.1 163.7



#49

Dibromochloromethane

Concen: 194.651 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV026677.D

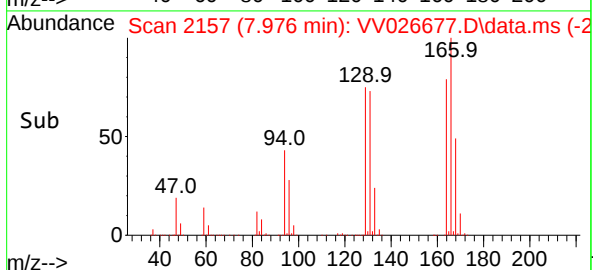
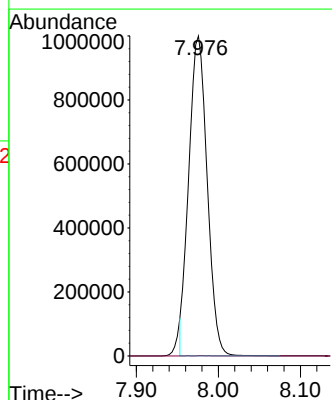
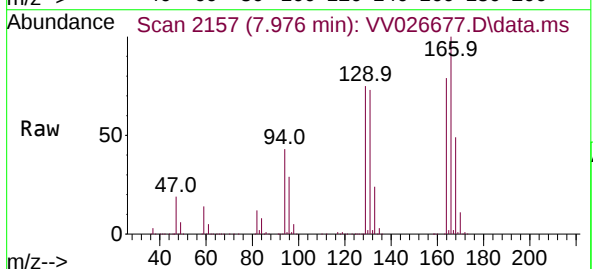
Acq: 07 Jul 2022 15:19

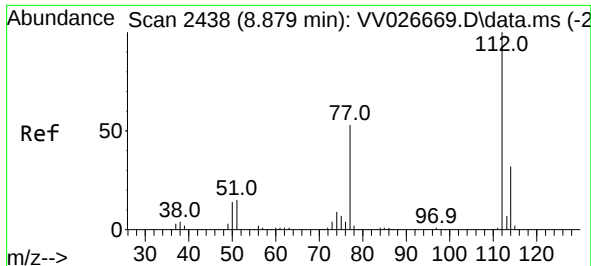
Tgt Ion:129 Resp: 1546263

Ion Ratio Lower Upper

129 100

127 0.1 54.2 100.6#





#51

Chlorobenzene

Concen: 0.093 ug/L

RT: 8.886 min Scan# 2440

Delta R.T. 0.006 min

Lab File: VV026677.D

Acq: 07 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

DBUA4

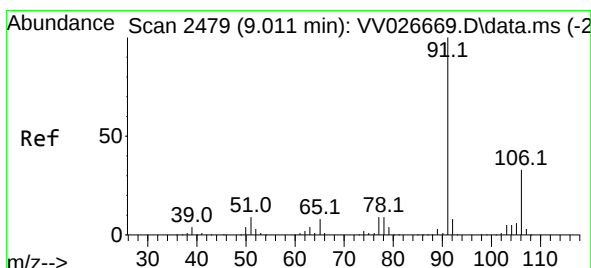
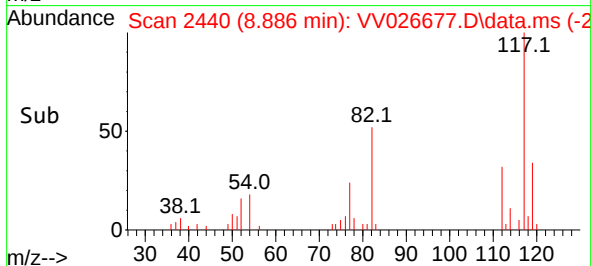
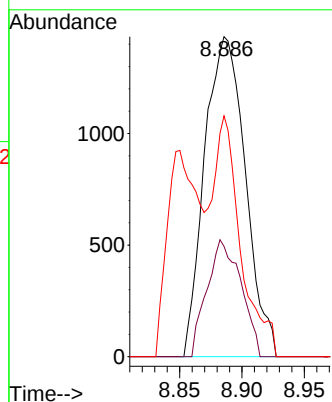
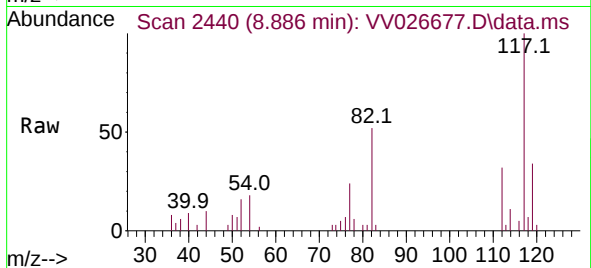
Tgt Ion:112 Resp: 3261

Ion Ratio Lower Upper

112 100

114 34.4 22.3 41.5

77 75.2 44.4 66.6#



#52

Ethylbenzene

Concen: 0.053 ug/L

RT: 9.024 min Scan# 2483

Delta R.T. 0.013 min

Lab File: VV026677.D

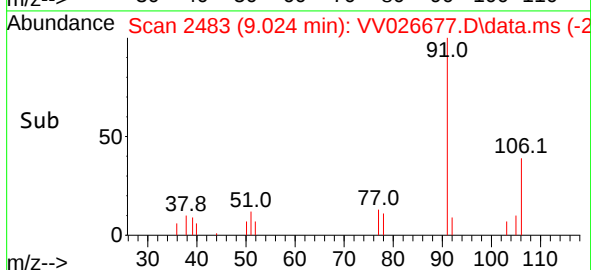
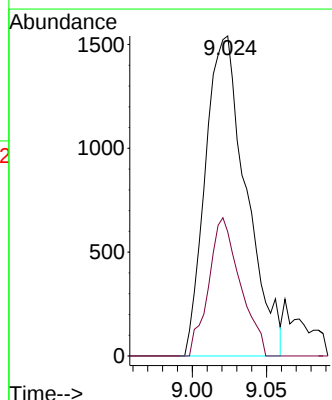
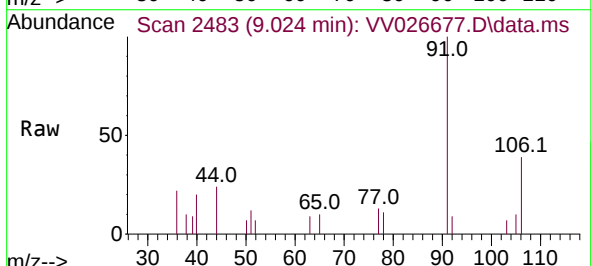
Acq: 07 Jul 2022 15:19

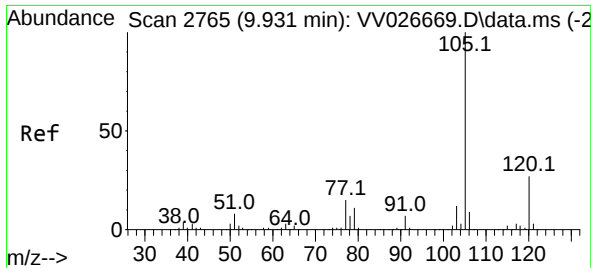
Tgt Ion: 91 Resp: 2938

Ion Ratio Lower Upper

91 100

106 38.8 22.1 41.1

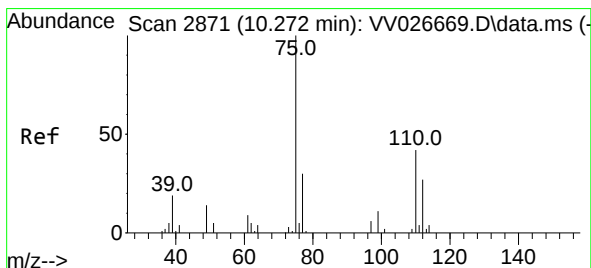
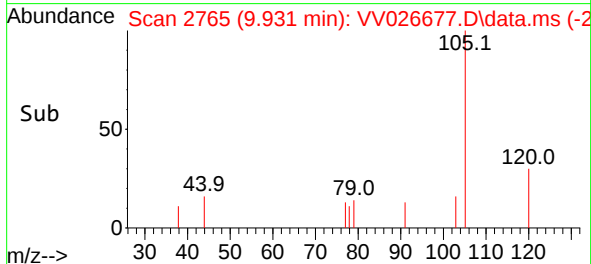
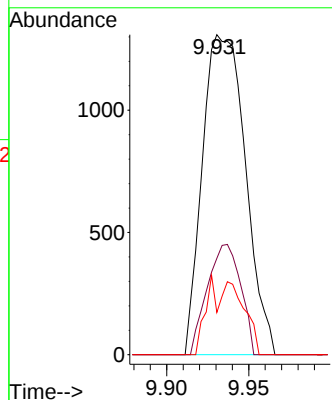
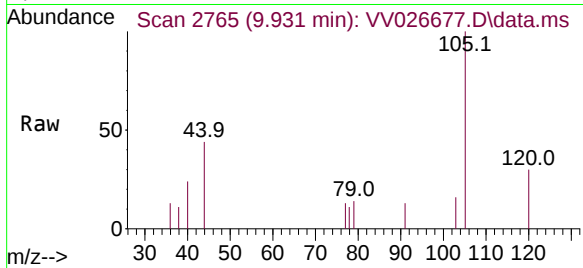




#60
Isopropylbenzene
Concen: 0.052 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

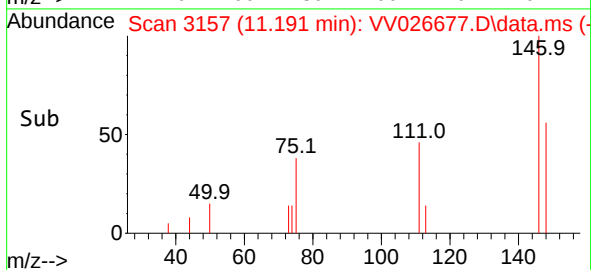
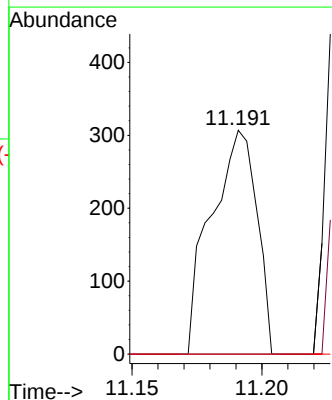
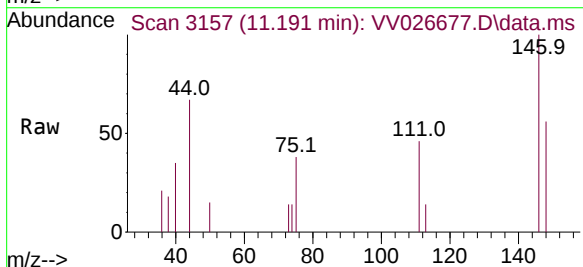
Instrument :
MSVOA_V
ClientSampleId :
DBUA4

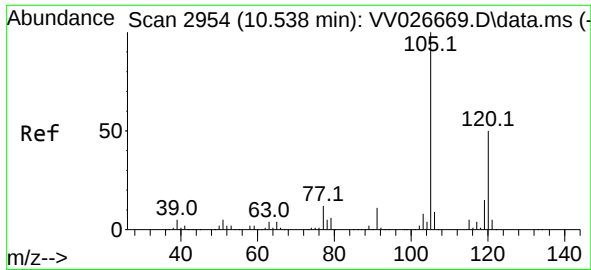
Tgt Ion:105 Resp: 2381
Ion Ratio Lower Upper
105 100
120 0.0 21.4 32.2#
77 6.6 11.6 17.4#



#61
1,2,3-Trichloropropane
Concen: 0.078 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.919 min
Lab File: VV026677.D
Acq: 07 Jul 2022 15:19

Tgt Ion: 75 Resp: 375
Ion Ratio Lower Upper
75 100
77 78.4 25.8 38.6#
110 0.0 32.5 48.7#





#62
 1,3,5-Trimethylbenzene
 Concen: 0.055 ug/L
 RT: 10.918 min Scan# 30
 Delta R.T. 0.379 min
 Lab File: VV026677.D
 Acq: 07 Jul 2022 15:19

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUA4

Tgt Ion:105 Resp: 1994
 Ion Ratio Lower Upper
 105 100
 120 45.4 39.6 59.4

