

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070722\
 Data File : VW026680.D
 Acq On : 07 Jul 2022 16:29
 Operator : SY/MD
 Sample : N3601-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB1

Quant Time: Jul 08 03:02:31 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	5.632	114	185629	5.000	ug/L	0.01
28) Chlorobenzene-d5	8.857	117	174759	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74676	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	59177	3.964	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.200%
7) Chloroethane-d5	1.584	69	51429	4.288	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.800%
11) 1,1-Dichloroethene-d2	2.127	63	130562	4.922	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.400%
20) 2-Butanone-d5	3.921	46	104169	70.186	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.380%#
24) Chloroform-d	4.368	84	107358	4.399	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.050	65	43820	4.662	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.066	84	206106	4.106	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.092	67	63226	4.580	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.323	98	161384	3.575	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.600%
43) trans-1,3-Dichloroprop...	7.635	79	14560	4.081	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.600%
46) 2-Hexanone-d5	8.095	63	77763	57.220	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.440%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40975	4.538	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	56994	4.612	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	1412	0.091	ug/L	97
5) Vinyl chloride	1.327	62	184999	11.240	ug/L	96
6) Bromomethane	1.542	94	605	0.068	ug/L	99
8) Chloroethane	1.439	64	12781	1.142	ug/L #	57
12) 1,1-Dichloroethene	2.134	96	94185	7.512	ug/L	87
14) Carbon disulfide	2.314	76	7595	0.230	ug/L	97
17) Methyl tert-butyl Ether	2.796	73	9112	0.446	ug/L #	86
18) trans-1,2-Dichloroethene	2.777	96	2607653	203.861	ug/L	97
19) 1,1-Dichloroethane	3.214	63	8455	0.368	ug/L	97
22) cis-1,2-Dichloroethene	3.931	96	19411202	1528.219	ug/L	91
33) Benzene	5.117	78	68140	1.335	ug/L	100
35) Methylcyclohexane	5.953	83	565895	28.516	ug/L #	1
37) 1,2-Dichloropropane	6.088	63	6464	0.526	ug/L #	91
39) cis-1,3-Dichloropropene	6.998	75	1111	0.090	ug/L #	65
42) Toluene	7.400	91	13773	0.261	ug/L	94
45) 1,1,2-Trichloroethane	7.709	97	5844	0.754	ug/L #	21
47) Tetrachloroethene	7.995	164	17267667	1616.786	ug/L	87
49) Dibromochloromethane	7.995	129	17040714	2169.986	ug/L #	11
51) Chlorobenzene	8.886	112	21005	0.609	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070722\
 Data File : VV026680.D
 Acq On : 07 Jul 2022 16:29
 Operator : SY/MD
 Sample : N3601-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB1

Quant Time: Jul 08 03:02:31 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

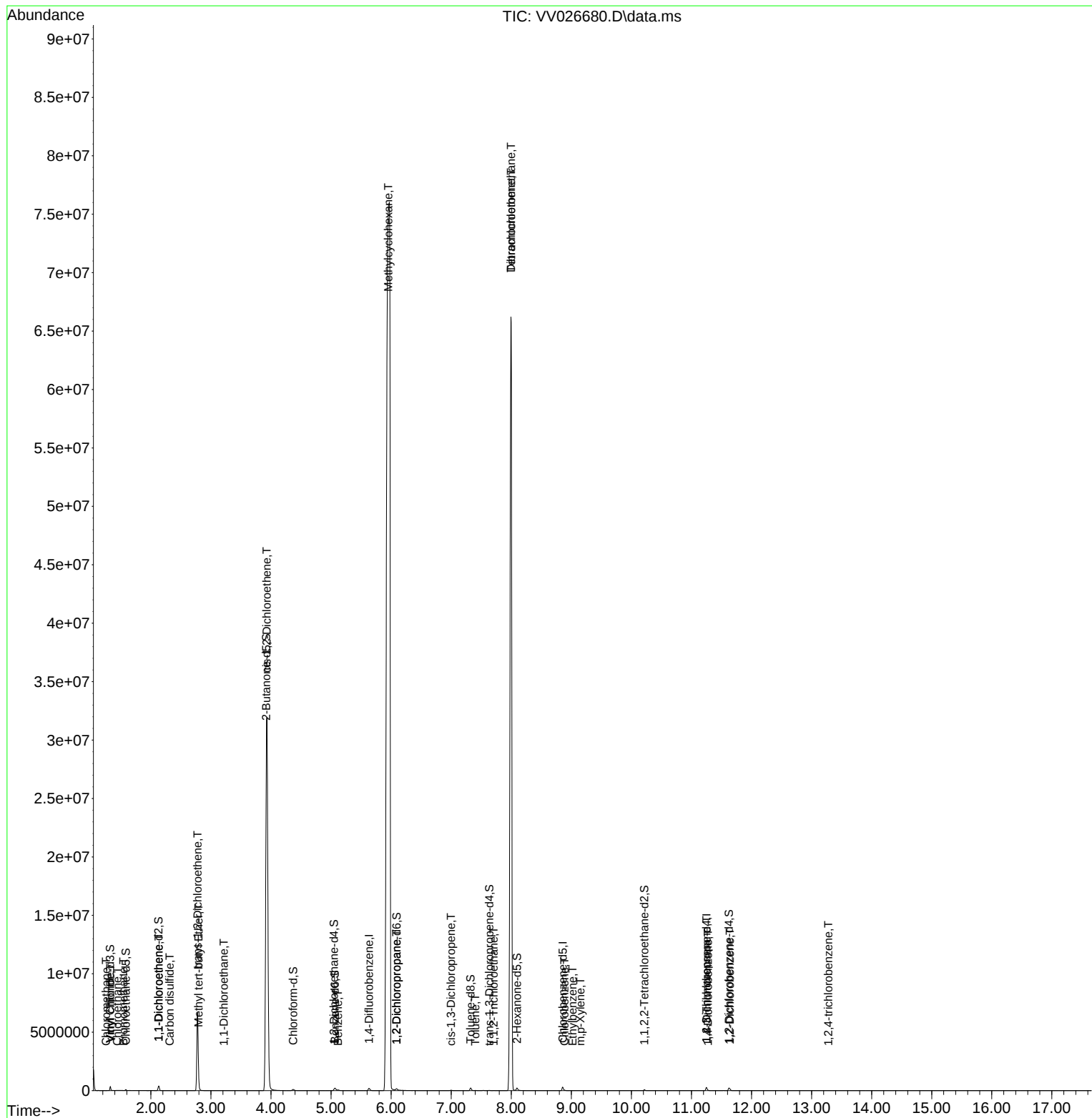
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.021	91	2663	0.049	ug/L	100
53) m,p-Xylene	9.153	106	894	0.042	ug/L	95
61) 1,2,3-Trichloropropane	11.249	75	12068	2.496	ug/L #	57
65) 1,4-Dichlorobenzene	11.275	146	15730	0.707	ug/L	95
67) 1,2-Dichlorobenzene	11.641	146	41653	2.185	ug/L	99
70) 1,2,4-trichlorobenzene	13.278	180	1084	0.095	ug/L #	89

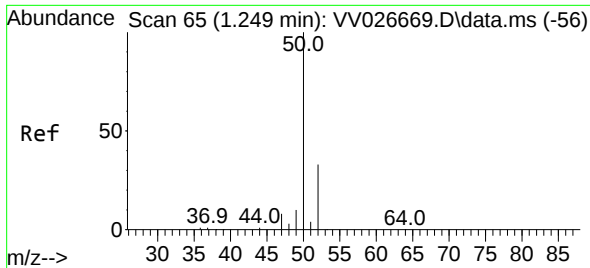
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070722\
Data File : VV026680.D
Acq On : 07 Jul 2022 16:29
Operator : SY/MD
Sample : N3601-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBUB1

Quant Time: Jul 08 03:02:31 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

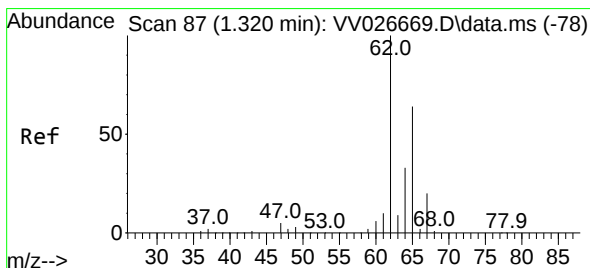
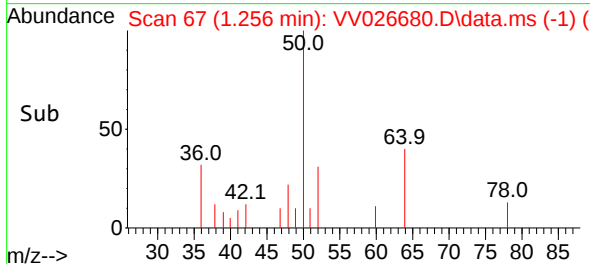
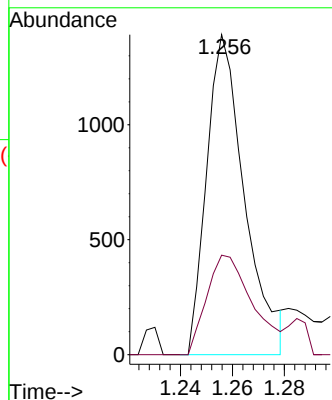
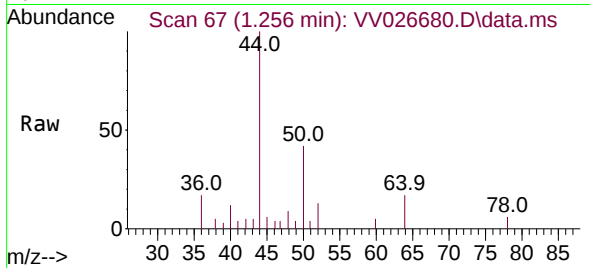




#3
Chloromethane
Concen: 0.091 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

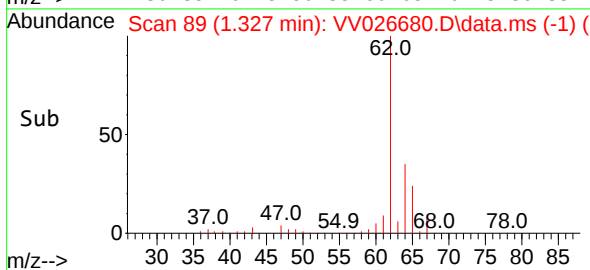
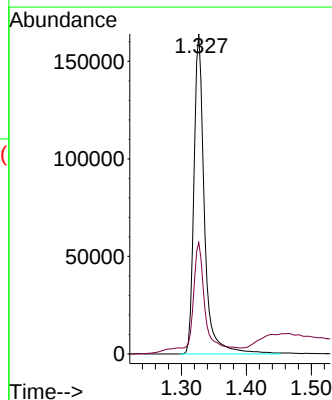
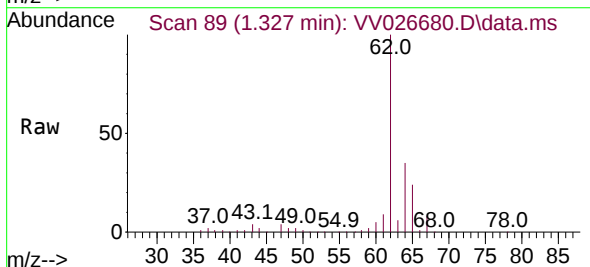
Instrument :
MSVOA_V
ClientSampleId :
DBUB1

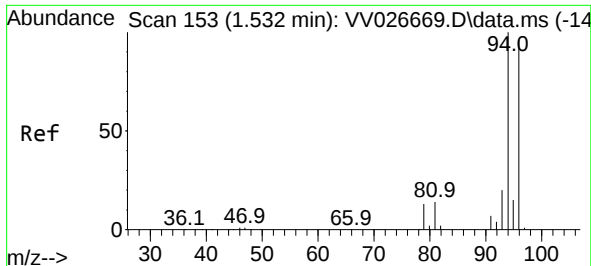
Tgt Ion: 50 Resp: 1412
Ion Ratio Lower Upper
50 100
52 31.1 23.0 42.6



#5
Vinyl chloride
Concen: 11.240 ug/L
RT: 1.327 min Scan# 89
Delta R.T. 0.006 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

Tgt Ion: 62 Resp: 184999
Ion Ratio Lower Upper
62 100
64 34.8 26.2 48.6





#6

Bromomethane

Concen: 0.068 ug/L

RT: 1.542 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV026680.D

Acq: 07 Jul 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

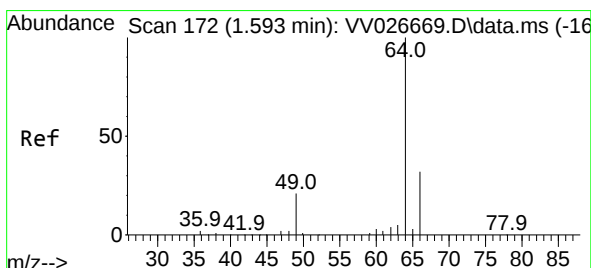
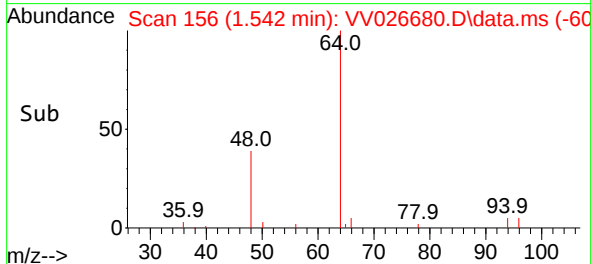
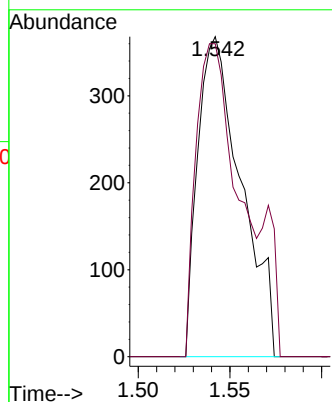
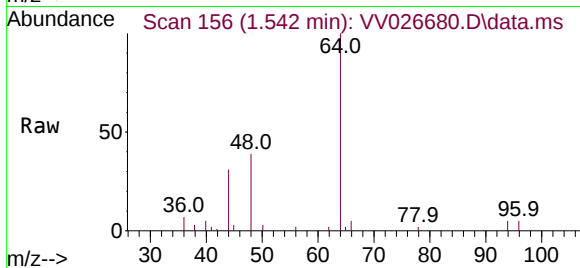
DBUB1

Tgt Ion: 94 Resp: 605

Ion Ratio Lower Upper

94 100

96 97.8 68.0 126.2



#8

Chloroethane

Concen: 1.142 ug/L

RT: 1.439 min Scan# 124

Delta R.T. -0.154 min

Lab File: VV026680.D

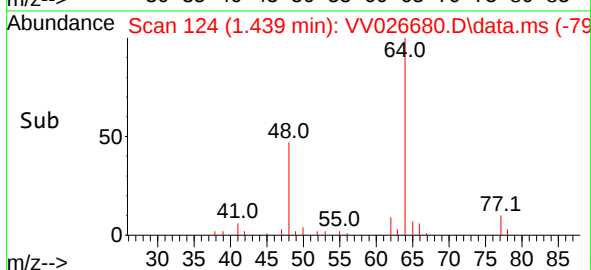
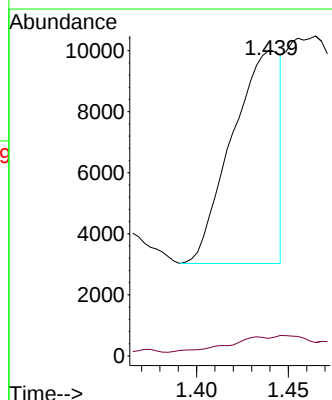
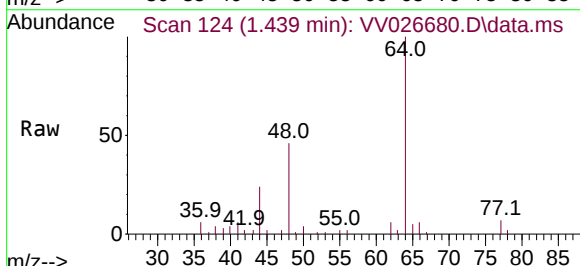
Acq: 07 Jul 2022 16:29

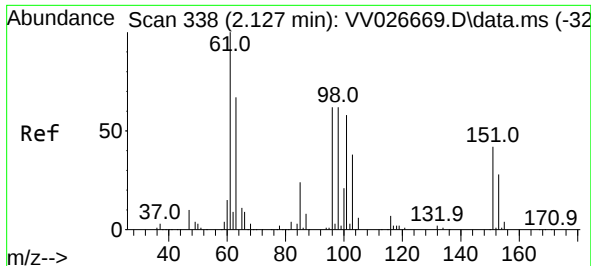
Tgt Ion: 64 Resp: 12781

Ion Ratio Lower Upper

64 100

66 5.8 20.0 37.2#

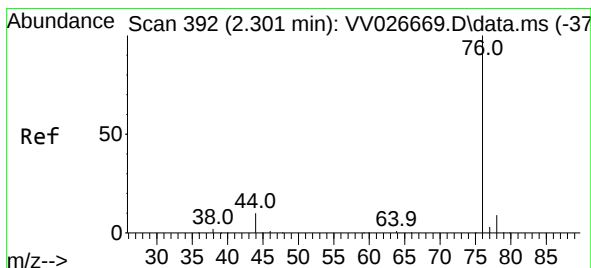
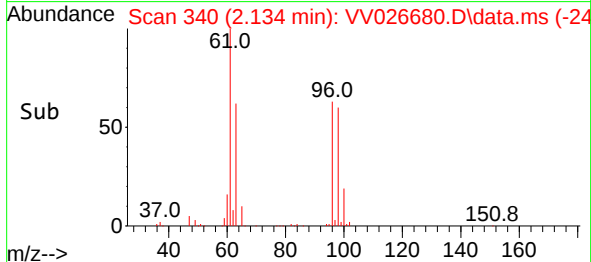
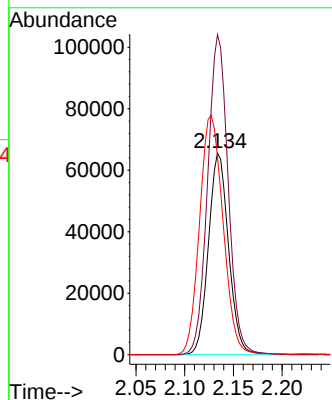
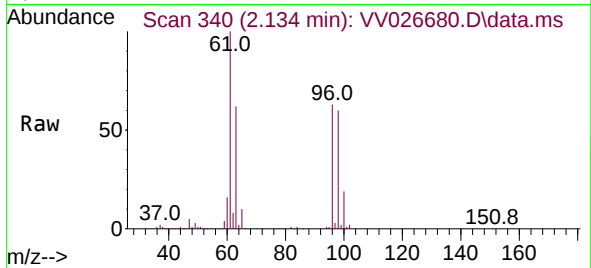




#12
1,1-Dichloroethene
Concen: 7.512 ug/L
RT: 2.134 min Scan# 341
Delta R.T. 0.006 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

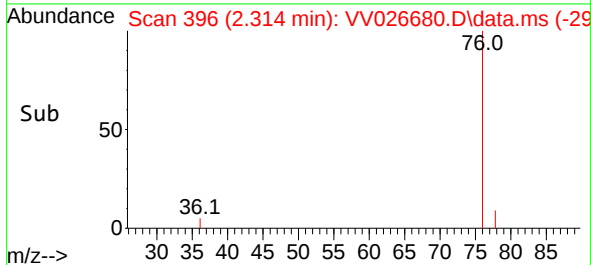
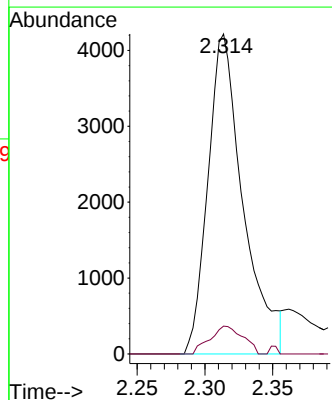
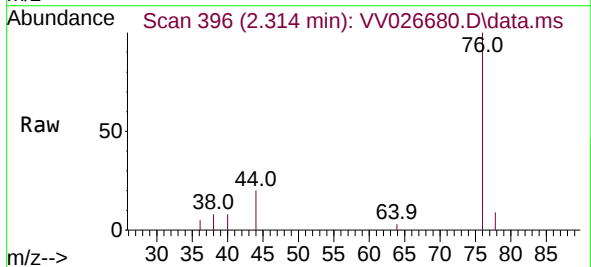
Instrument :
MSVOA_V
ClientSampleId :
DBUB1

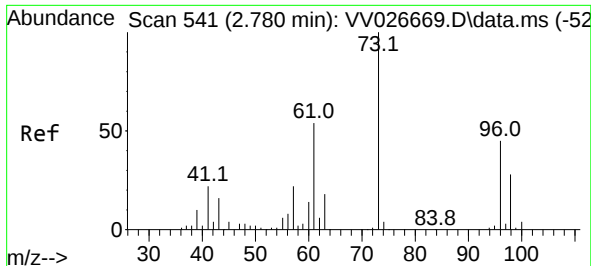
Tgt Ion: 96 Resp: 94185
Ion Ratio Lower Upper
96 100
61 158.7 115.4 214.4
63 98.3 87.4 162.2



#14
Carbon disulfide
Concen: 0.230 ug/L
RT: 2.314 min Scan# 396
Delta R.T. 0.013 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

Tgt Ion: 76 Resp: 7595
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6

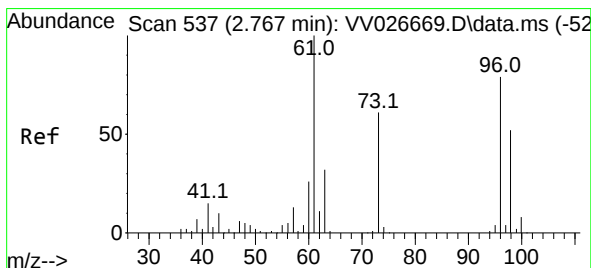
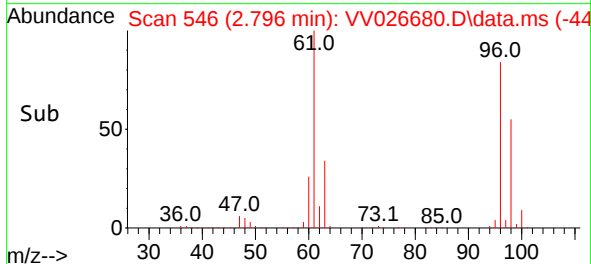
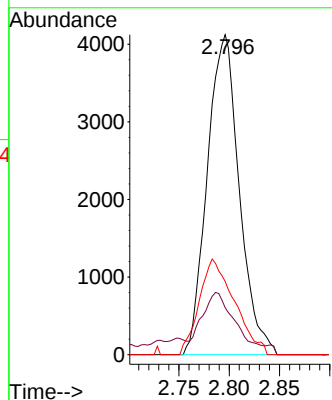
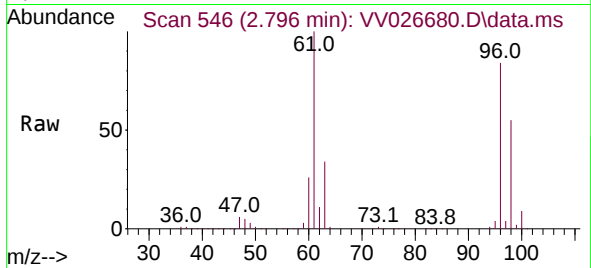




#17
Methyl tert-butyl Ether
Concen: 0.446 ug/L
RT: 2.796 min Scan# 541
Delta R.T. 0.016 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

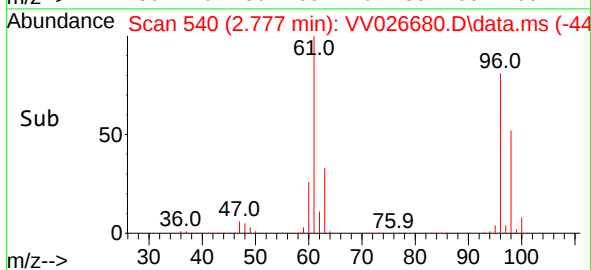
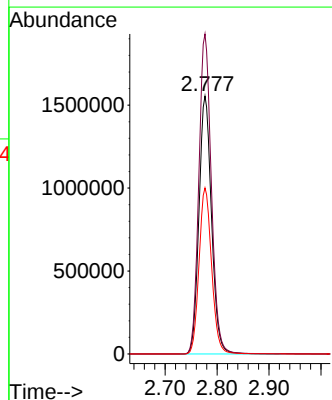
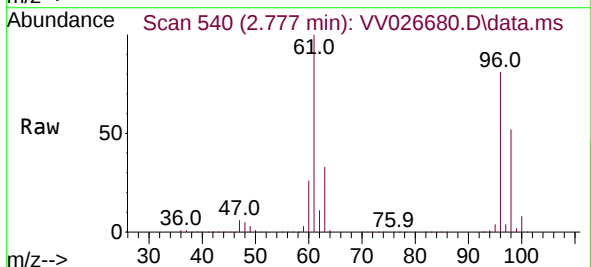
Instrument :
MSVOA_V
ClientSampleId :
DBUB1

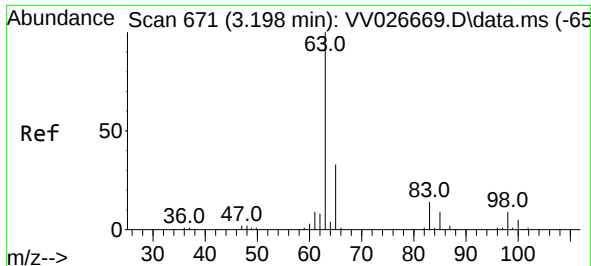
Tgt Ion: 73 Resp: 9112
Ion Ratio Lower Upper
73 100
43 16.6 13.3 19.9
57 33.0 17.2 25.8#



#18
trans-1,2-Dichloroethene
Concen: 203.861 ug/L
RT: 2.777 min Scan# 540
Delta R.T. 0.010 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

Tgt Ion: 96 Resp: 2607653
Ion Ratio Lower Upper
96 100
61 124.0 90.4 167.8
98 64.4 45.6 84.8





#19

1,1-Dichloroethane

Concen: 0.368 ug/L

RT: 3.214 min Scan# 61

Delta R.T. 0.016 min

Lab File: VV026680.D

Acq: 07 Jul 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

DBUB1

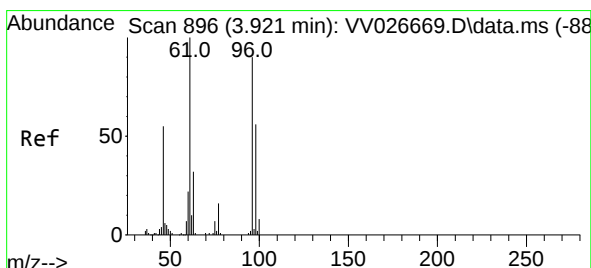
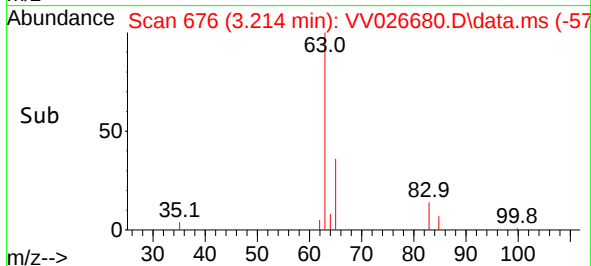
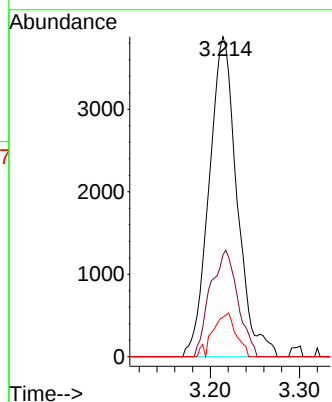
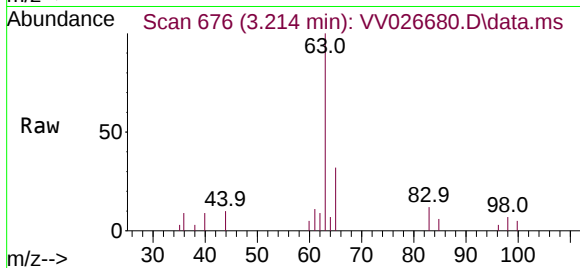
Tgt Ion: 63 Resp: 8455

Ion Ratio Lower Upper

63 100

65 31.8 23.0 42.6

83 12.3 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 1528.219 ug/L

RT: 3.931 min Scan# 899

Delta R.T. 0.010 min

Lab File: VV026680.D

Acq: 07 Jul 2022 16:29

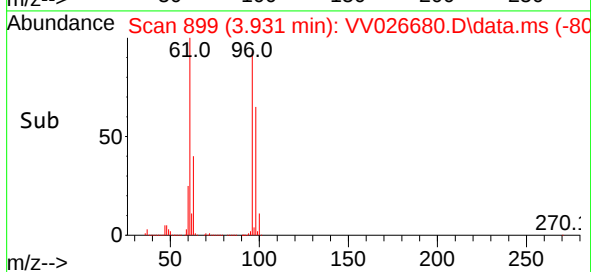
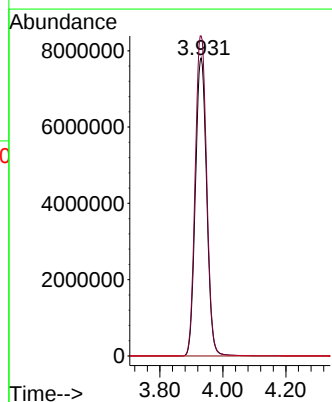
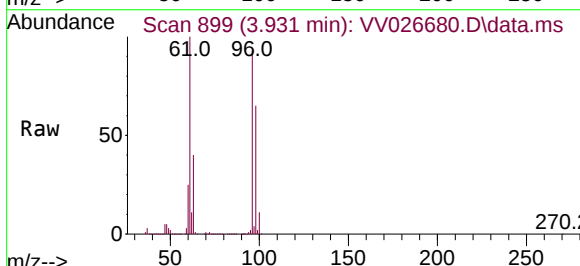
Tgt Ion: 96 Resp:19411202

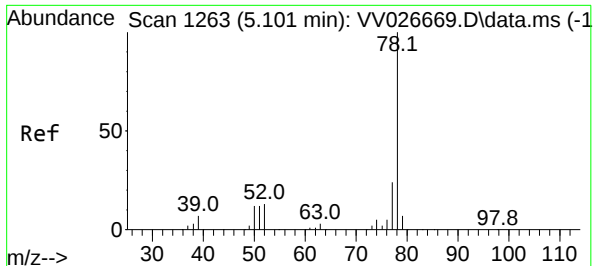
Ion Ratio Lower Upper

96 100

61 107.3 82.0 152.2

68 0.0 0.0 0.0

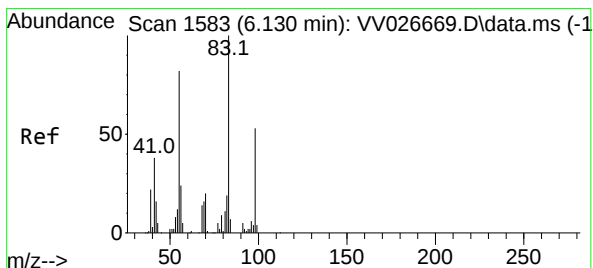
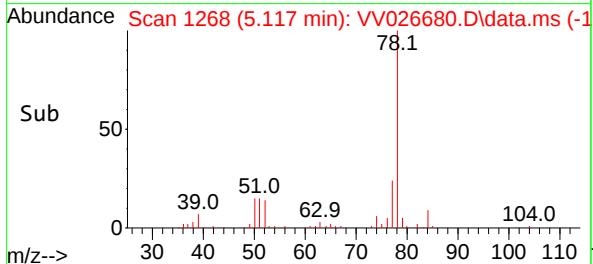
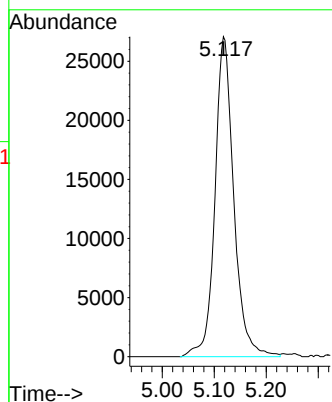
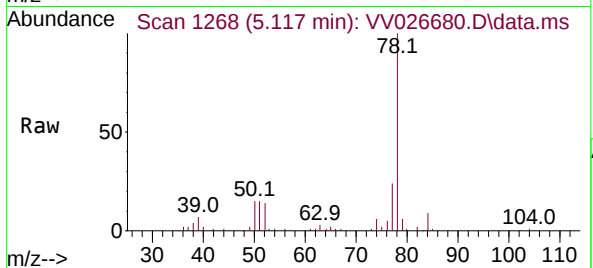




#33
Benzene
Concen: 1.335 ug/L
RT: 5.117 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

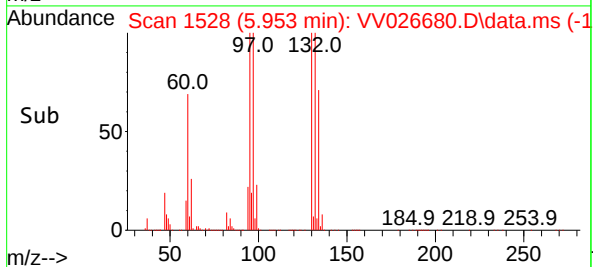
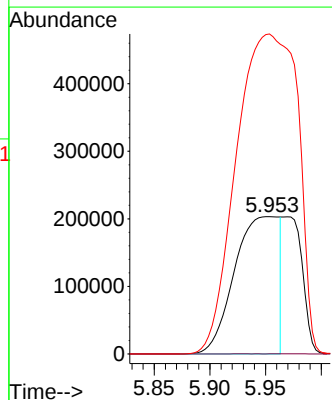
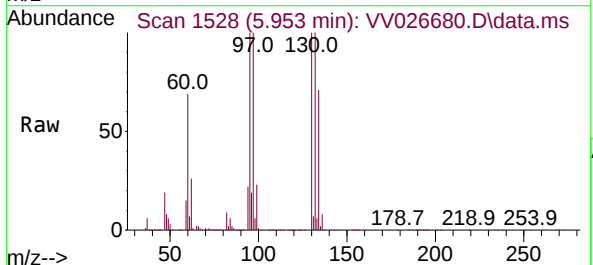
Instrument :
MSVOA_V
ClientSampleId :
DBUB1

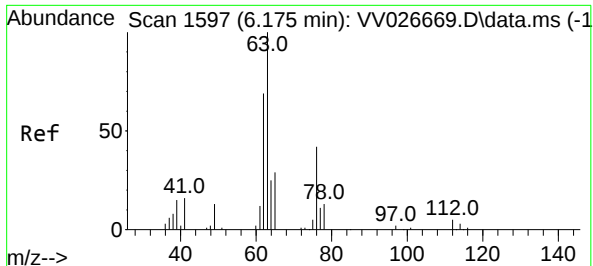
Tgt Ion: 78 Resp: 68140



#35
Methylcyclohexane
Concen: 28.516 ug/L
RT: 5.953 min Scan# 1528
Delta R.T. -0.177 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

Tgt Ion: 83 Resp: 565895
Ion Ratio Lower Upper
83 100
55 0.1 57.0 85.4#
98 321.0 39.8 59.8#





#37

1,2-Dichloropropane

Concen: 0.526 ug/L

RT: 6.088 min Scan# 11

Delta R.T. -0.087 min

Lab File: VV026680.D

Acq: 07 Jul 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

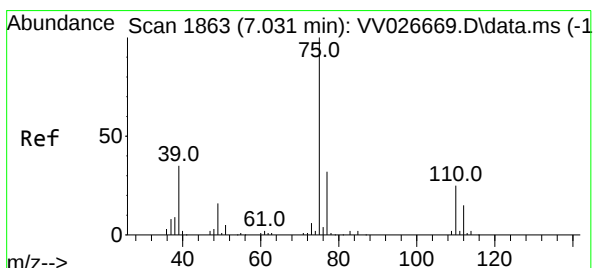
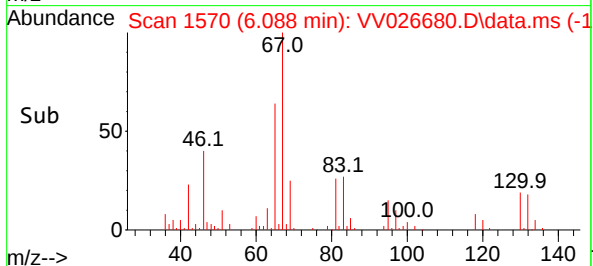
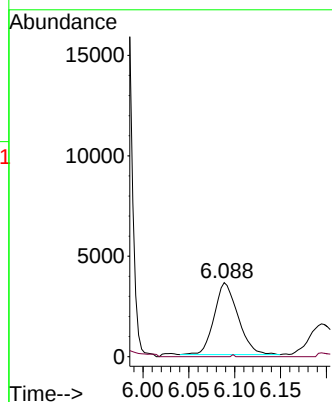
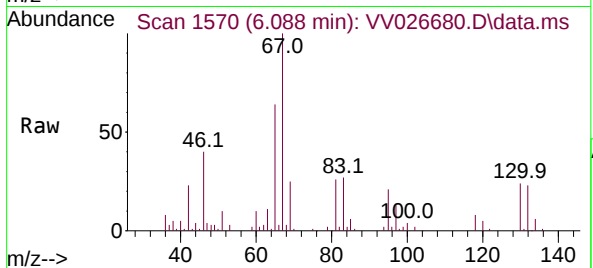
DBUB1

Tgt Ion: 63 Resp: 6464

Ion Ratio Lower Upper

63 100

112 2.4 4.2 6.4#



#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 6.998 min Scan# 1853

Delta R.T. -0.032 min

Lab File: VV026680.D

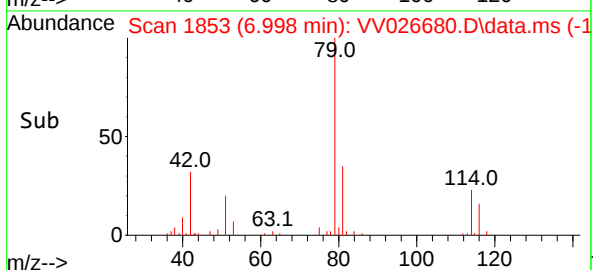
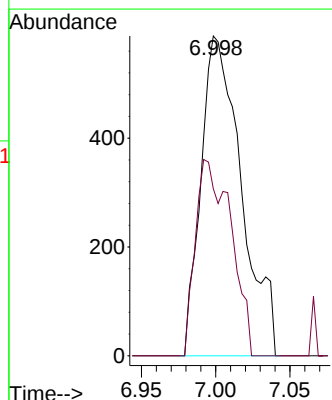
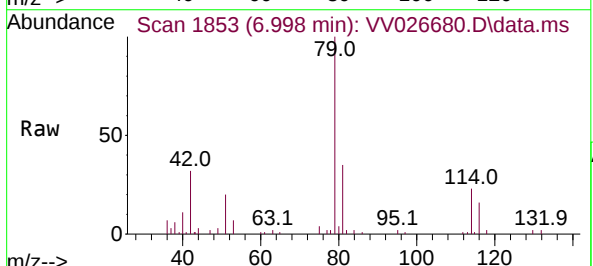
Acq: 07 Jul 2022 16:29

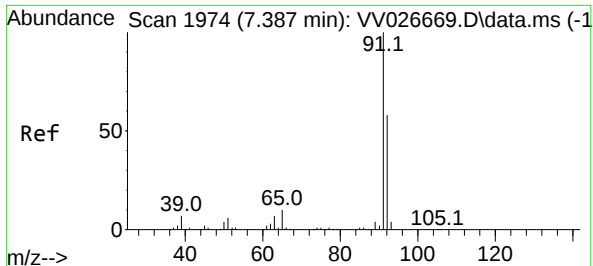
Tgt Ion: 75 Resp: 1111

Ion Ratio Lower Upper

75 100

77 52.2 22.8 42.4#

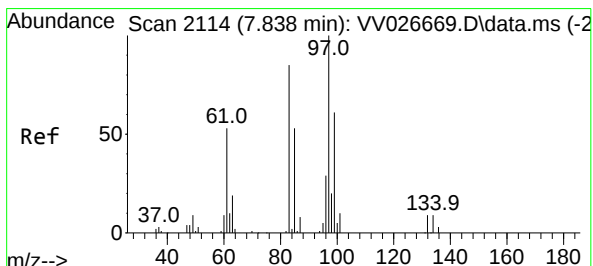
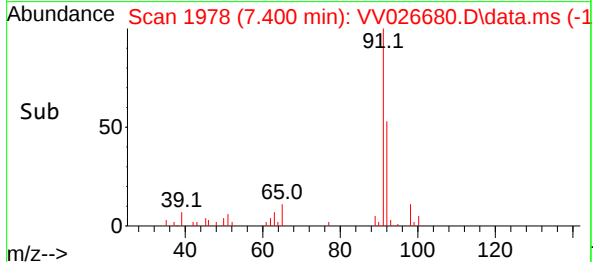
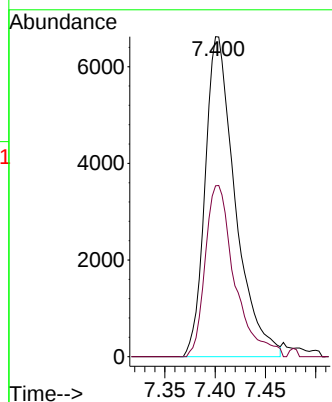
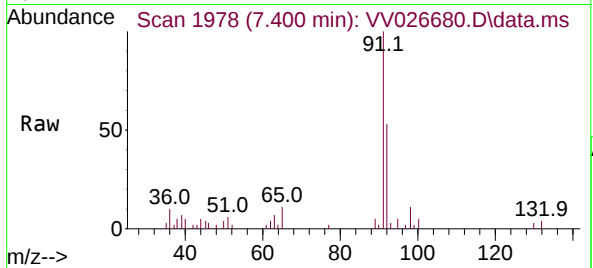




#42
Toluene
Concen: 0.261 ug/L
RT: 7.400 min Scan# 1974
Delta R.T. 0.013 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

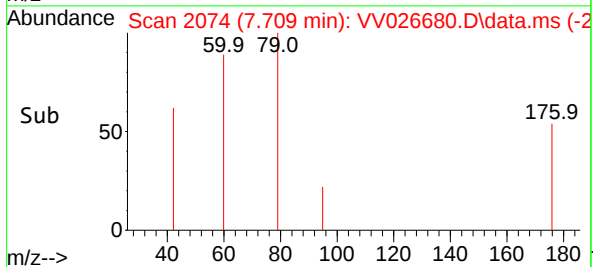
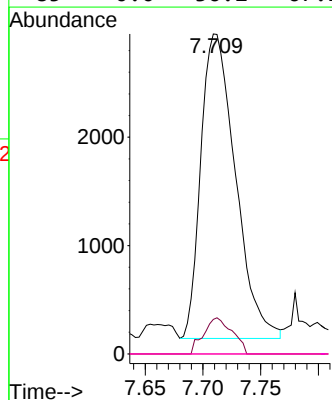
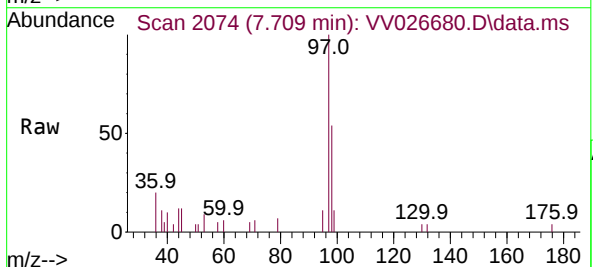
Instrument :
MSVOA_V
ClientSampleId :
DBUB1

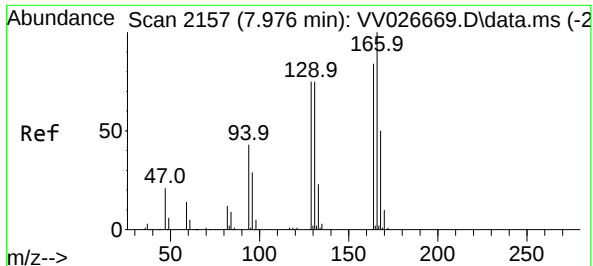
Tgt Ion: 91 Resp: 13773
Ion Ratio Lower Upper
91 100
92 53.4 40.3 74.9



#45
1,1,2-Trichloroethane
Concen: 0.754 ug/L
RT: 7.709 min Scan# 2074
Delta R.T. -0.129 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

Tgt Ion: 97 Resp: 5844
Ion Ratio Lower Upper
97 100
99 10.8 43.4 80.6#
83 0.0 58.0 107.8#
85 0.0 36.2 67.2#



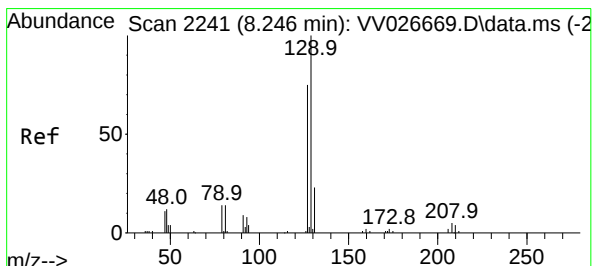
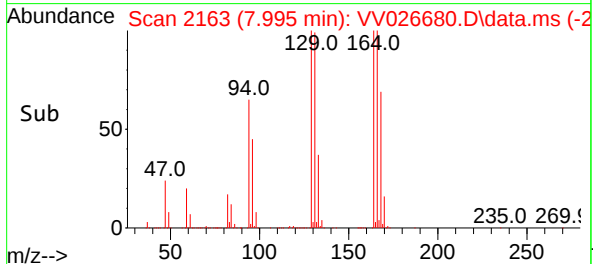
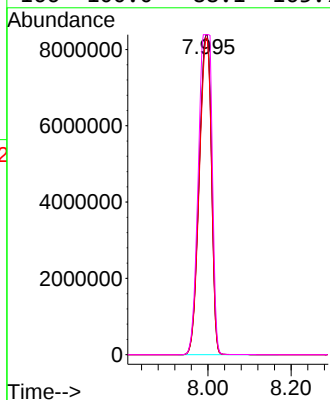
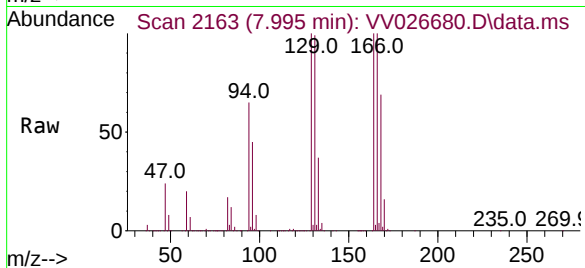


#47
Tetrachloroethene
Concen: 1616.786 ug/L
RT: 7.995 min Scan# 2163
Delta R.T. 0.019 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

Instrument :
MSVOA_V
ClientSampleId :
DBUB1

Tgt Ion:164 Resp:17267667

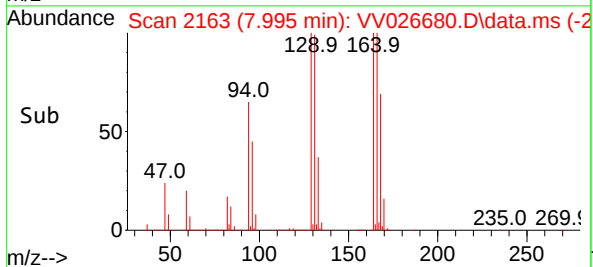
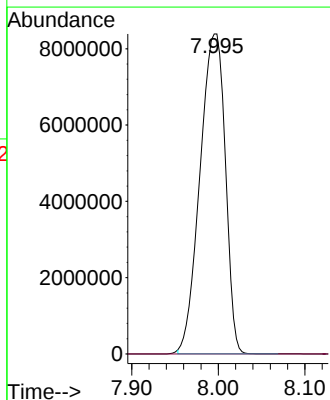
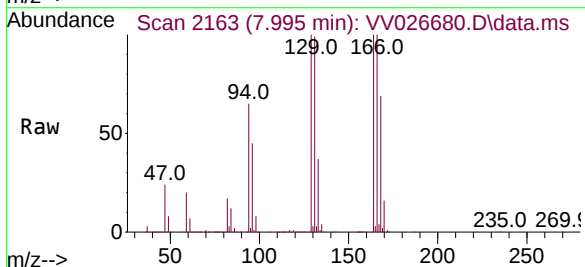
Ion	Ratio	Lower	Upper
164	100		
129	100.0	66.4	123.2
131	99.0	64.4	119.6
166	100.0	88.1	163.7

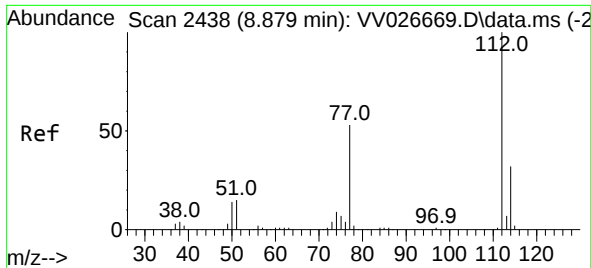


#49
Dibromochloromethane
Concen: 2169.986 ug/L
RT: 7.995 min Scan# 2163
Delta R.T. -0.251 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

Tgt Ion:129 Resp:17040714

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.2	100.6#

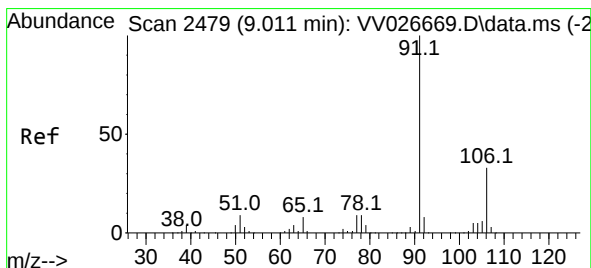
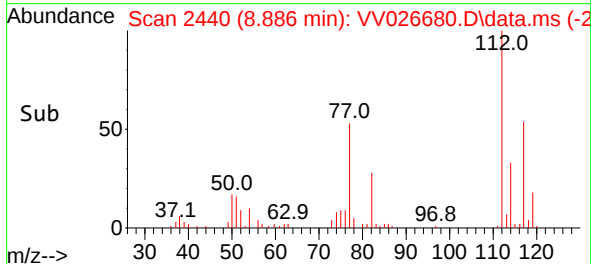
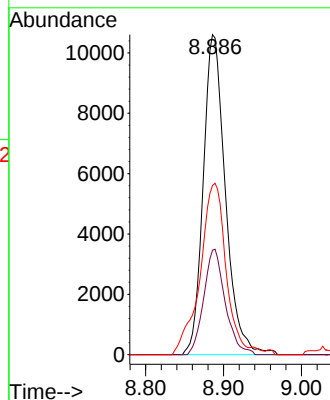
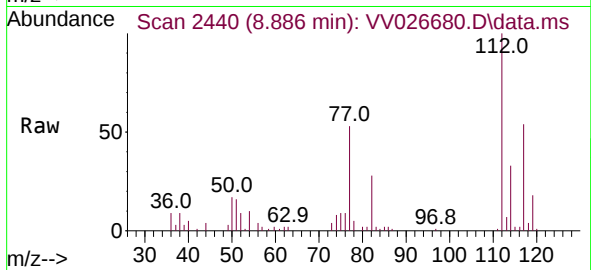




#51
Chlorobenzene
Concen: 0.609 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.006 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

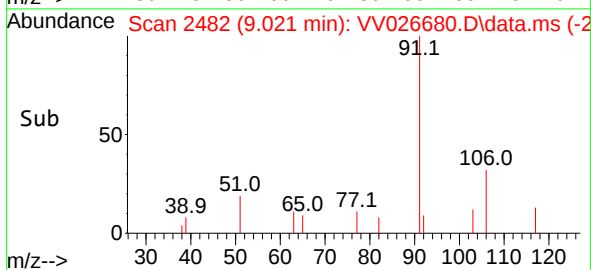
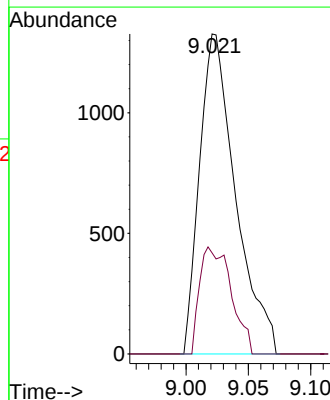
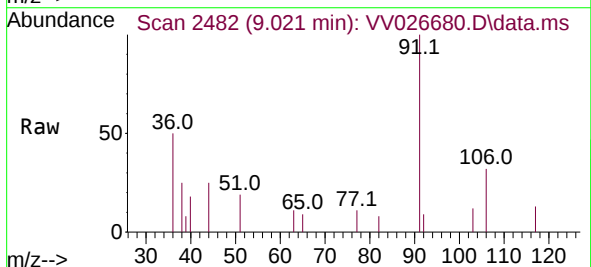
Instrument :
MSVOA_V
ClientSampleId :
DBUB1

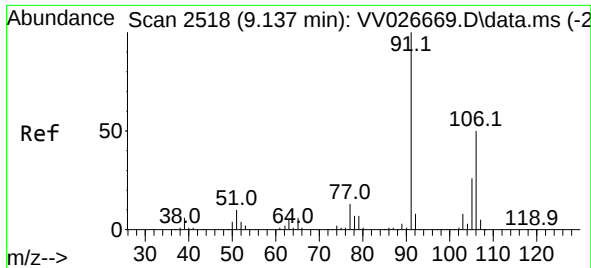
Tgt Ion:112 Resp: 21005
Ion Ratio Lower Upper
112 100
114 32.6 22.3 41.5
77 52.9 44.4 66.6



#52
Ethylbenzene
Concen: 0.049 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.010 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

Tgt Ion: 91 Resp: 2663
Ion Ratio Lower Upper
91 100
106 31.6 22.1 41.1

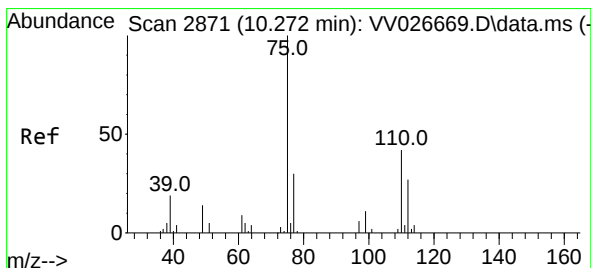
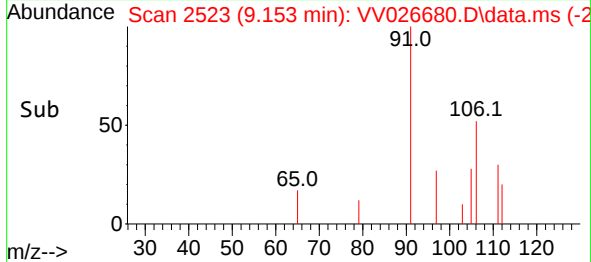
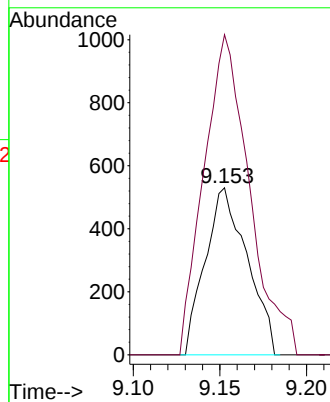
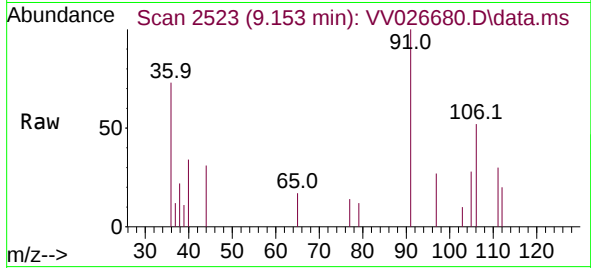




#53
 m,p-Xylene
 Concen: 0.042 ug/L
 RT: 9.153 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VV026680.D
 Acq: 07 Jul 2022 16:29

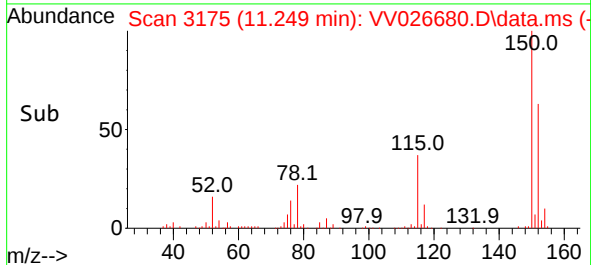
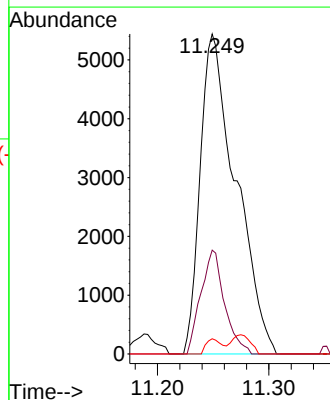
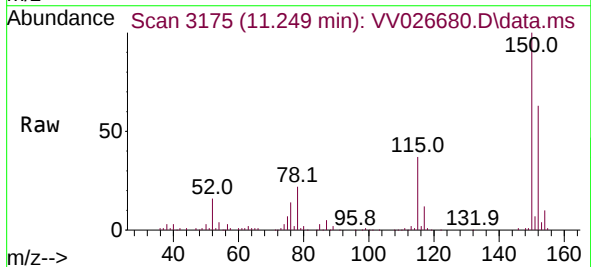
Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB1

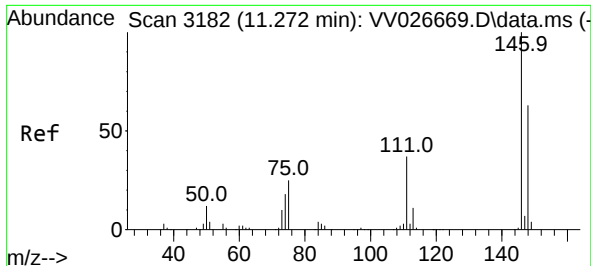
Tgt Ion:106 Resp: 894
 Ion Ratio Lower Upper
 106 100
 91 191.7 139.9 259.9



#61
 1,2,3-Trichloropropane
 Concen: 2.496 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.977 min
 Lab File: VV026680.D
 Acq: 07 Jul 2022 16:29

Tgt Ion: 75 Resp: 12068
 Ion Ratio Lower Upper
 75 100
 77 21.6 25.8 38.6#
 110 2.1 32.5 48.7#

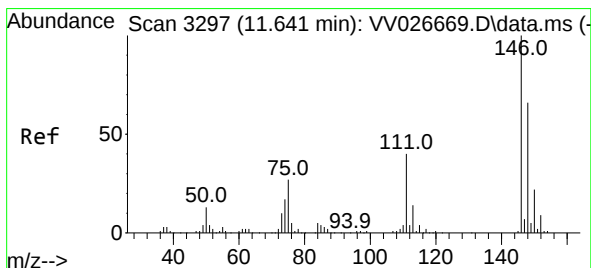
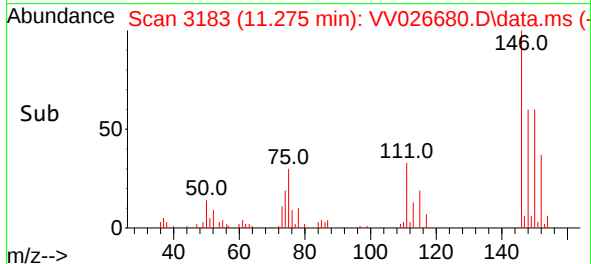
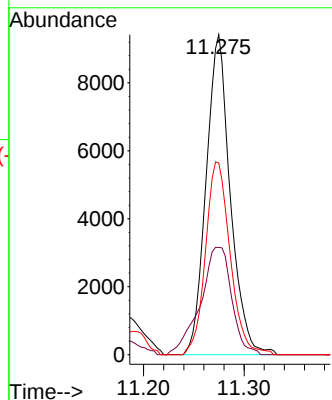
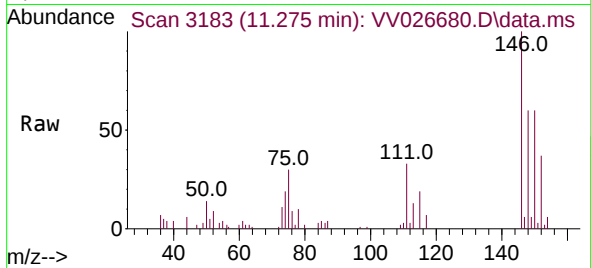




#65
1,4-Dichlorobenzene
Concen: 0.707 ug/L
RT: 11.275 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

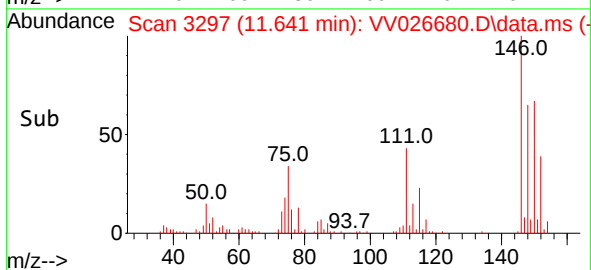
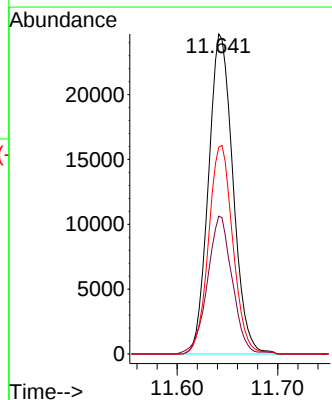
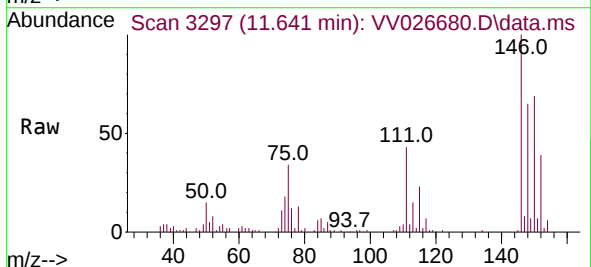
Instrument :
MSVOA_V
ClientSampleId :
DBUB1

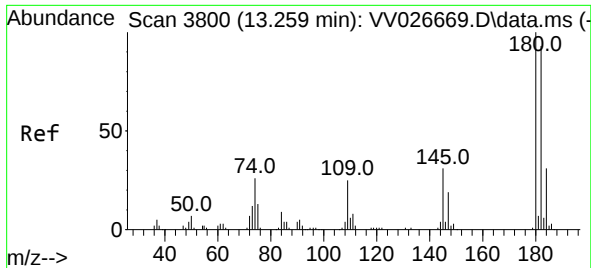
Tgt Ion:146 Resp: 15730
Ion Ratio Lower Upper
146 100
111 33.5 26.5 49.3
148 59.9 43.7 81.1



#67
1,2-Dichlorobenzene
Concen: 2.185 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV026680.D
Acq: 07 Jul 2022 16:29

Tgt Ion:146 Resp: 41653
Ion Ratio Lower Upper
146 100
111 43.1 32.8 49.2
148 64.6 51.7 77.5





#70

1,2,4-trichlorobenzene

Concen: 0.095 ug/L

RT: 13.278 min Scan# 3806

Delta R.T. 0.019 min

Lab File: VV026680.D

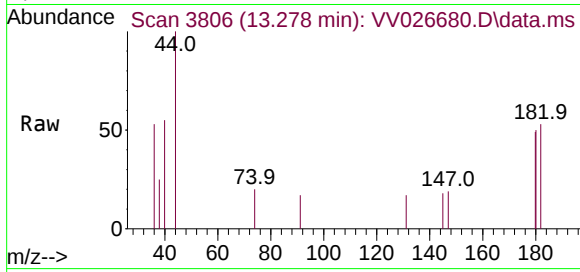
Acq: 07 Jul 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

DBUB1



Tgt Ion:180 Resp: 1084

Ion Ratio Lower Upper

180 100

182 85.1 75.2 112.8

145 21.6 24.4 36.6#

