

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070722\
 Data File : VW026683.D
 Acq On : 07 Jul 2022 17:42
 Operator : SY/MD
 Sample : N3601-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB5

Quant Time: Jul 08 03:03:16 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	5.625	114	190777	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	183878	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	102645	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	63812	4.159	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.200%
7) Chloroethane-d5	1.581	69	51939	4.214	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.118	63	82052	3.010	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.200%
20) 2-Butanone-d5	3.928	46	73769	48.362	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.720%
24) Chloroform-d	4.362	84	108547	4.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.047	65	42799	4.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.060	84	201840	3.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
36) 1,2-Dichloropropane-d6	6.076	67	63718	4.387	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.320	98	159782	3.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.200%#
43) trans-1,3-Dichloroprop...	7.629	79	12586	3.353	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.095	63	62755	43.886	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.780%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	43029	4.529	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	70865	4.172	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.253	50	3147	0.198	ug/L	92
14) Carbon disulfide	2.304	76	121040	3.561	ug/L	98
18) trans-1,2-Dichloroethene	2.777	96	1566	0.119	ug/L	88
22) cis-1,2-Dichloroethene	3.928	96	12816	0.982	ug/L	97
30) Cyclohexane	4.680	56	3267	0.182	ug/L	91
33) Benzene	5.108	78	363613	6.772	ug/L	100
34) Trichloroethene	5.921	95	35101	2.487	ug/L	97
35) Methylcyclohexane	6.133	83	14101	0.675	ug/L	99
42) Toluene	7.397	91	19580	0.353	ug/L	97
47) Tetrachloroethene	7.976	164	29062	2.586	ug/L	98
51) Chlorobenzene	8.883	112	504621	13.899	ug/L	98
52) Ethylbenzene	9.014	91	53782	0.938	ug/L	97
53) m,p-Xylene	9.140	106	33800	1.512	ug/L	96
54) o-Xylene	9.545	106	21803	1.039	ug/L	100
60) Isopropylbenzene	9.931	105	23343	0.369	ug/L #	86
62) 1,3,5-Trimethylbenzene	10.538	105	88460	1.768	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	176890	3.585	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	156575	5.121	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	57837	2.208	ug/L	99

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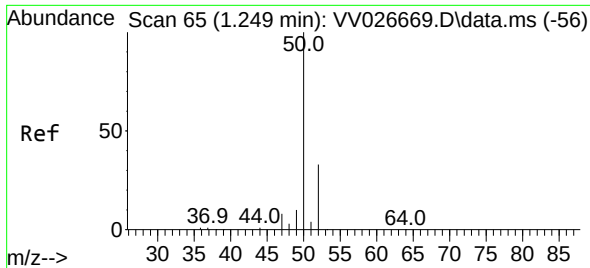
Quant Time: Jul 08 03:03:16 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jul 08 02:58:15 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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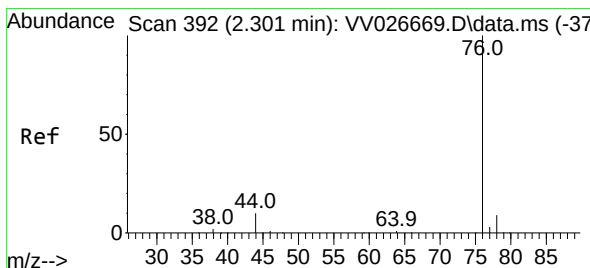
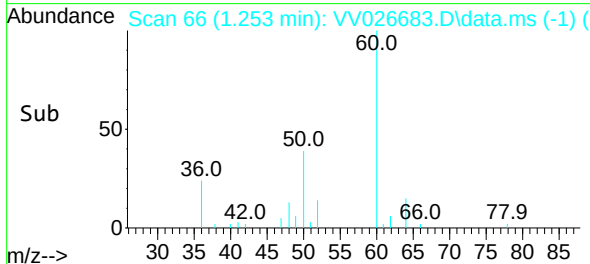
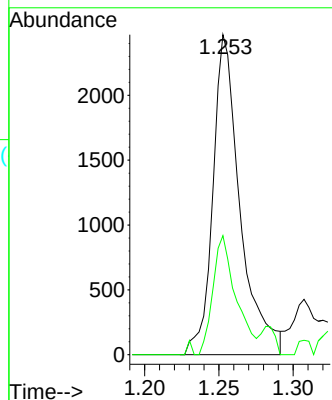
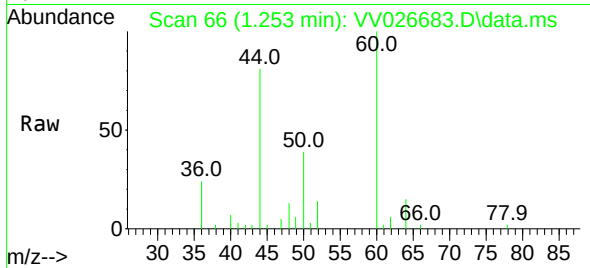




#3
Chloromethane
Concen: 0.198 ug/L
RT: 1.253 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

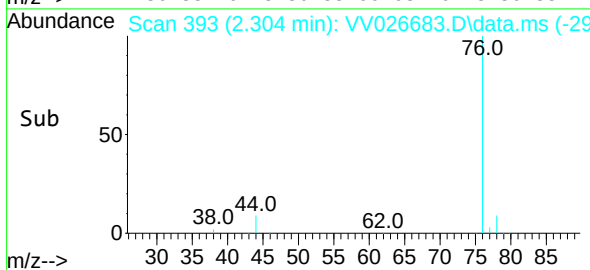
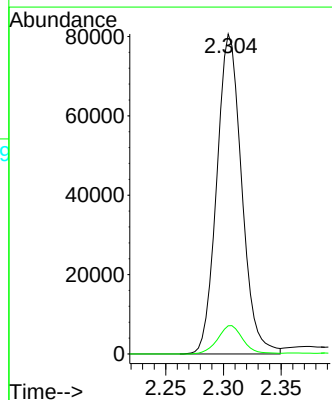
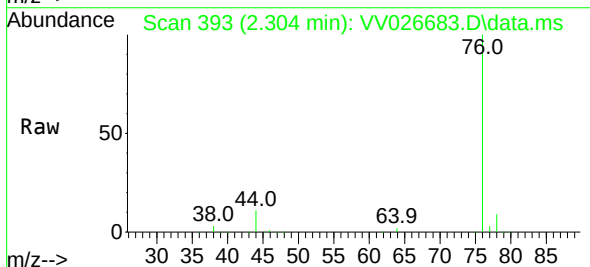
Instrument :
MSVOA_V
ClientSampleId :
DBUB5

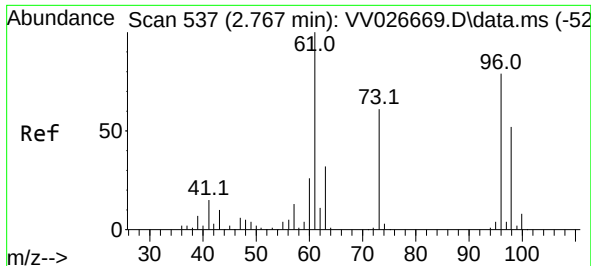
Tgt Ion: 50 Resp: 3147
Ion Ratio Lower Upper
50 100
52 37.2 23.0 42.6



#14
Carbon disulfide
Concen: 3.561 ug/L
RT: 2.304 min Scan# 393
Delta R.T. 0.003 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

Tgt Ion: 76 Resp: 121040
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6

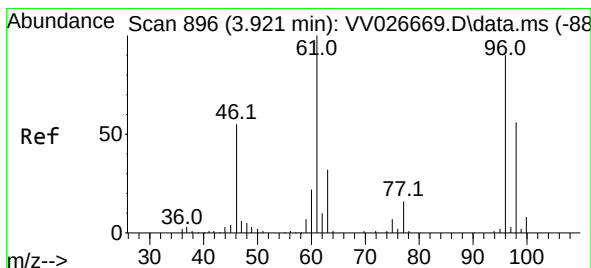
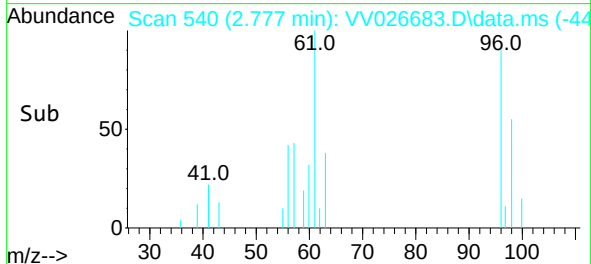
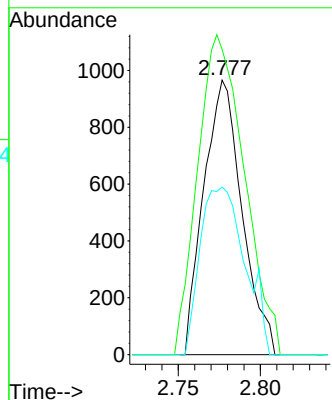
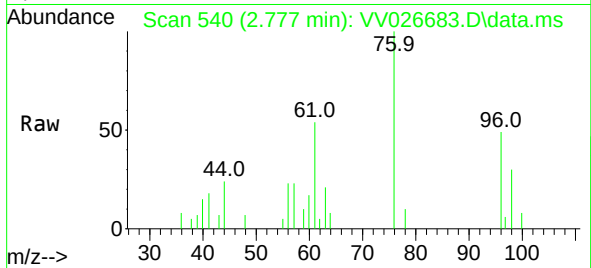




#18
trans-1,2-Dichloroethene
Concen: 0.119 ug/L
RT: 2.777 min Scan# 54
Delta R.T. 0.010 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

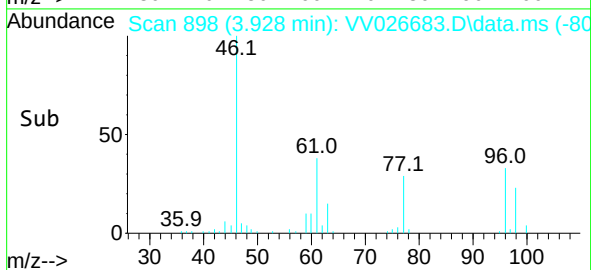
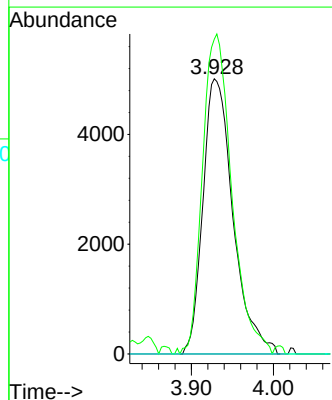
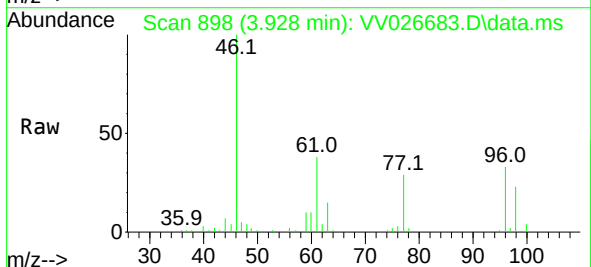
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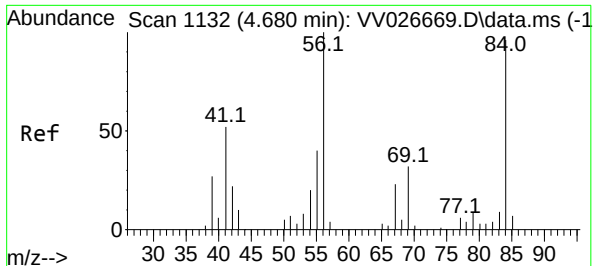
Tgt Ion: 96 Resp: 1566
Ion Ratio Lower Upper
96 100
61 111.2 90.4 167.8
98 61.1 45.6 84.8



#22
cis-1,2-Dichloroethene
Concen: 0.982 ug/L
RT: 3.928 min Scan# 898
Delta R.T. 0.006 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

Tgt Ion: 96 Resp: 12816
Ion Ratio Lower Upper
96 100
61 114.4 82.0 152.2
68 0.0 0.0 0.0

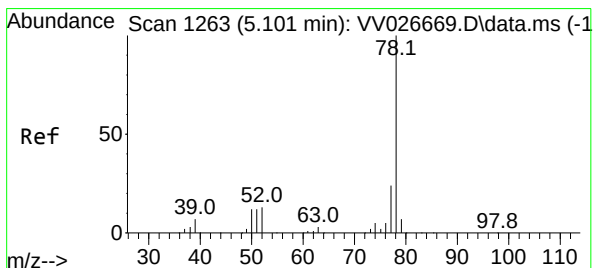
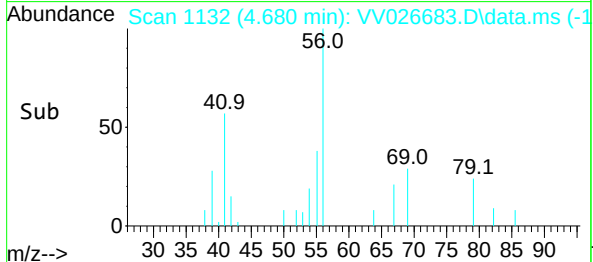
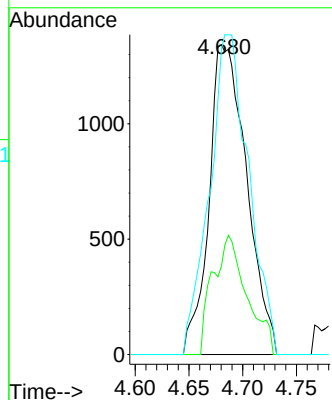
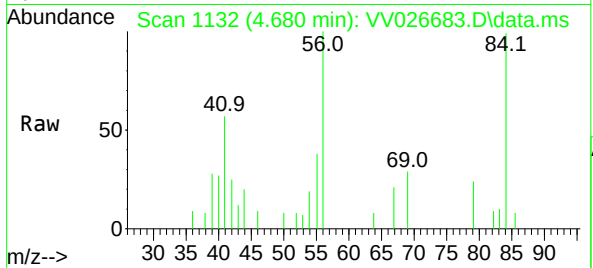




#30
Cyclohexane
Concen: 0.182 ug/L
RT: 4.680 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

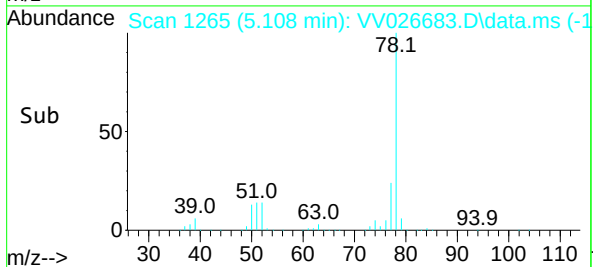
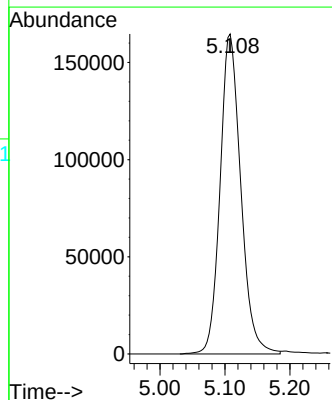
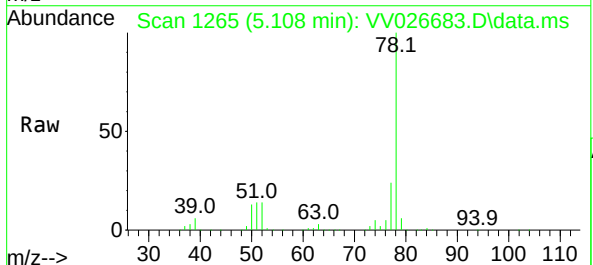
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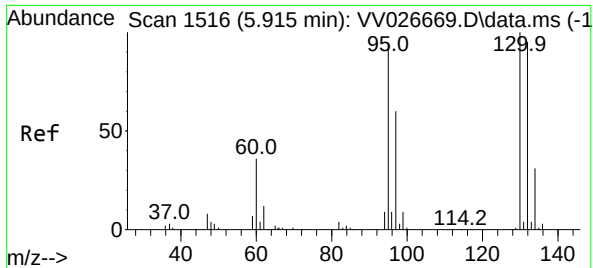
Tgt Ion: 56	Resp:	3267
Ion	Ratio	Lower Upper
56	100	
69	34.9	25.4 38.2
84	107.5	77.8 116.6



#33
Benzene
Concen: 6.772 ug/L
RT: 5.108 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

Tgt Ion: 78 Resp: 363613

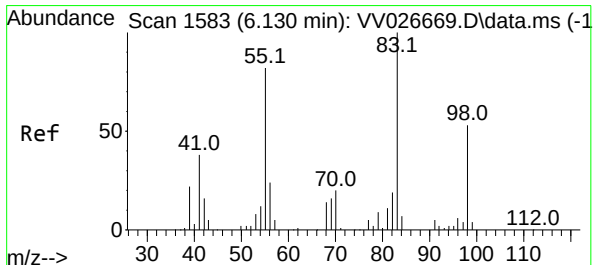
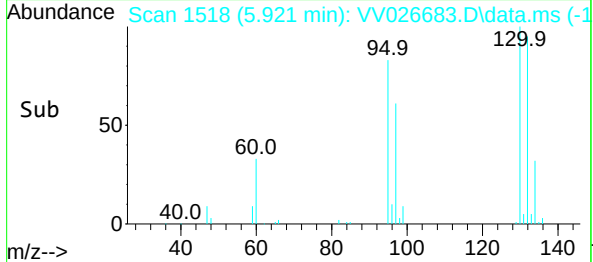
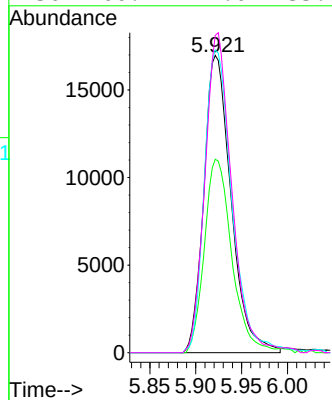
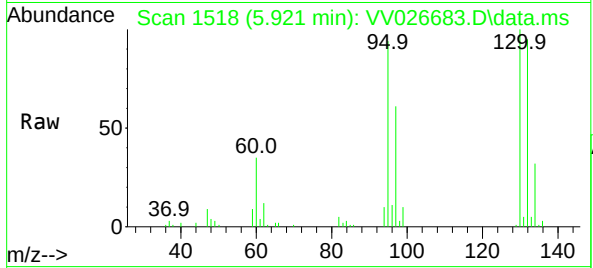




#34
Trichloroethene
Concen: 2.487 ug/L
RT: 5.921 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

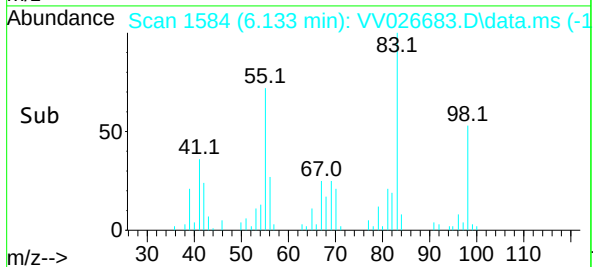
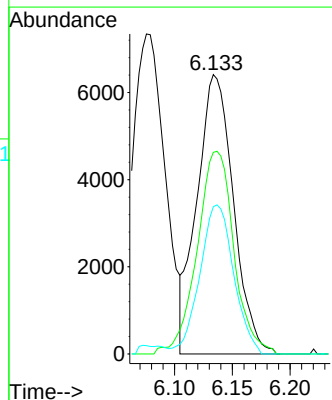
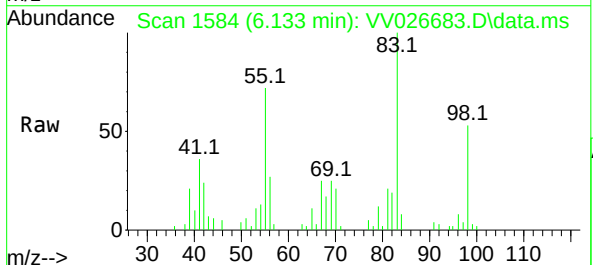
Instrument :
MSVOA_V
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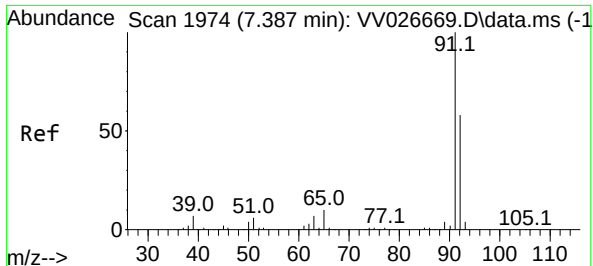
Tgt Ion: 95 Resp: 35101
Ion Ratio Lower Upper
95 100
97 65.1 46.8 87.0
132 101.8 69.9 129.7
130 106.7 72.0 133.8



#35
Methylcyclohexane
Concen: 0.675 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.003 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

Tgt Ion: 83 Resp: 14101
Ion Ratio Lower Upper
83 100
55 73.0 57.0 85.4
98 49.5 39.8 59.8

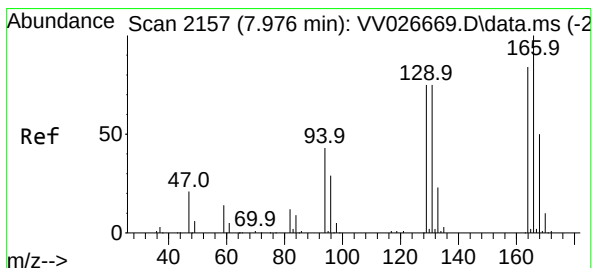
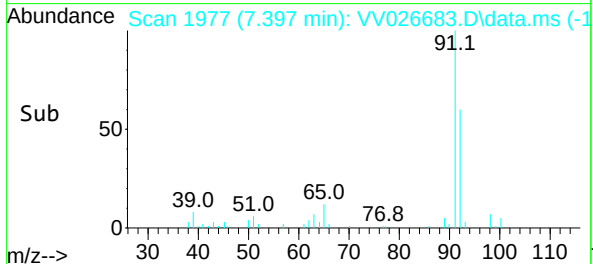
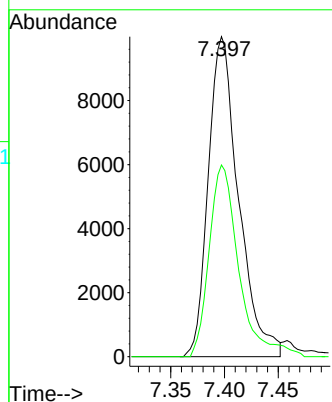
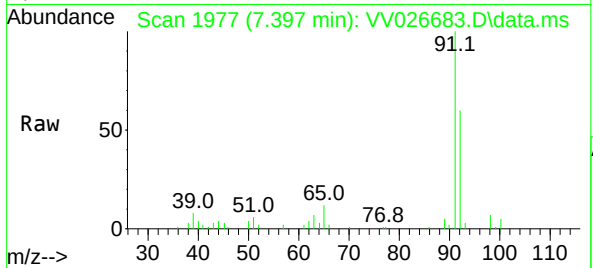




#42
Toluene
Concen: 0.353 ug/L
RT: 7.397 min Scan# 1974
Delta R.T. 0.010 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

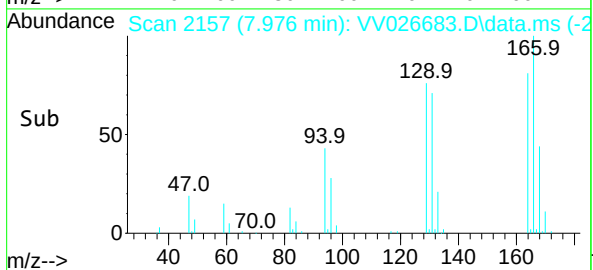
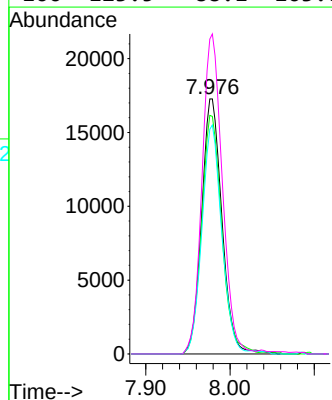
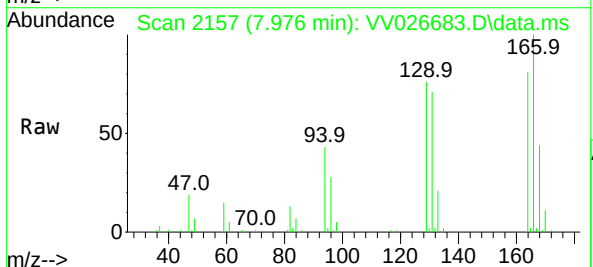
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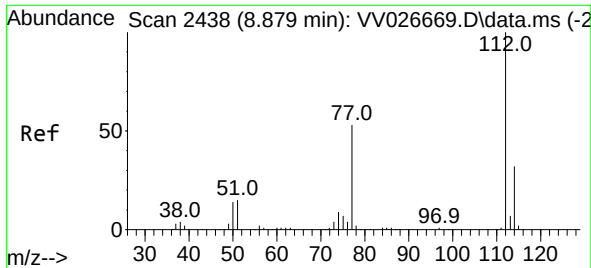
Tgt Ion: 91 Resp: 19580
Ion Ratio Lower Upper
91 100
92 59.9 40.3 74.9



#47
Tetrachloroethene
Concen: 2.586 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

Tgt Ion: 164 Resp: 29062
Ion Ratio Lower Upper
164 100
129 93.6 66.4 123.2
131 88.1 64.4 119.6
166 123.5 88.1 163.7

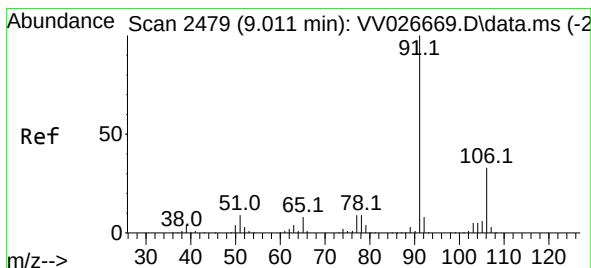
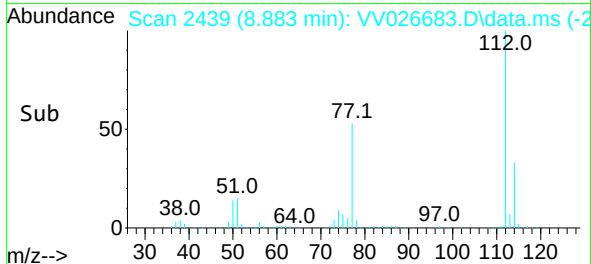
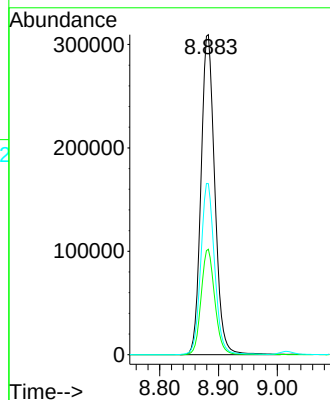
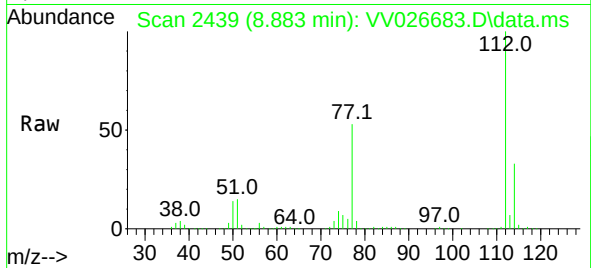




#51
Chlorobenzene
Concen: 13.899 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

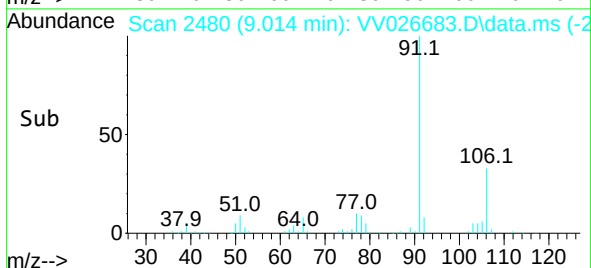
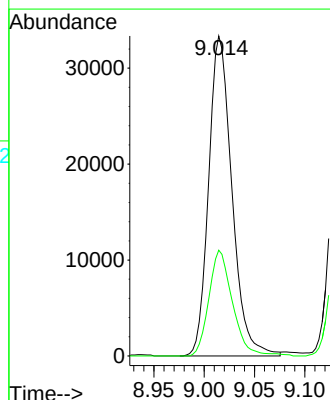
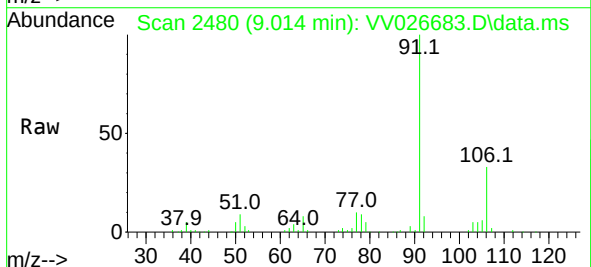
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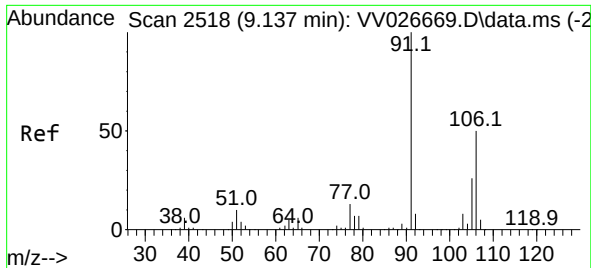
Tgt Ion:112 Resp: 504621
Ion Ratio Lower Upper
112 100
114 33.0 22.3 41.5
77 53.5 44.4 66.6



#52
Ethylbenzene
Concen: 0.938 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

Tgt Ion: 91 Resp: 53782
Ion Ratio Lower Upper
91 100
106 33.0 22.1 41.1

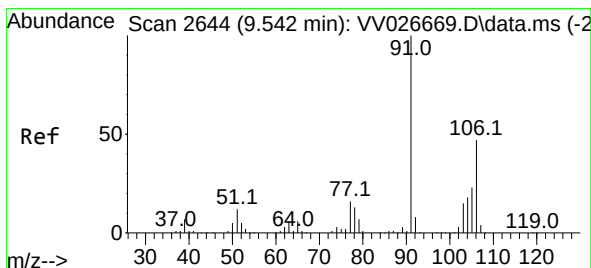
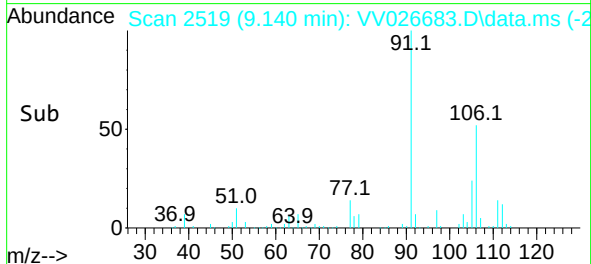
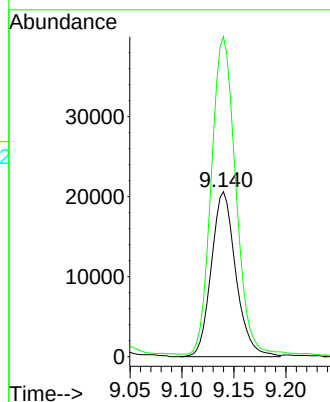
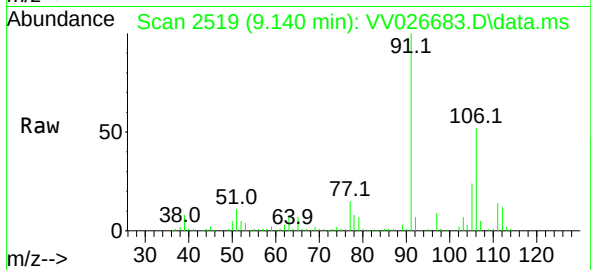




#53
m,p-Xylene
Concen: 1.512 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

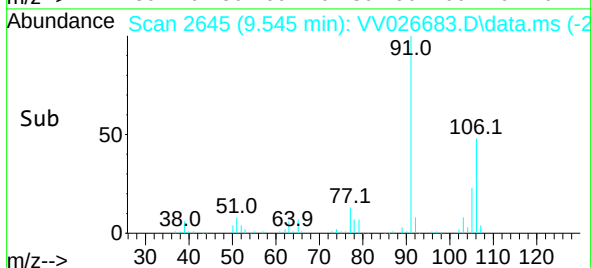
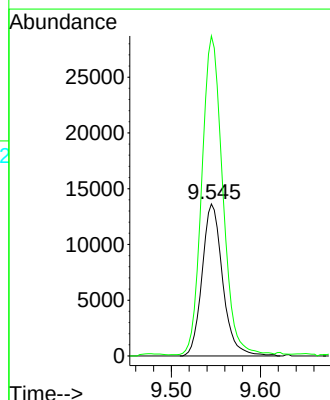
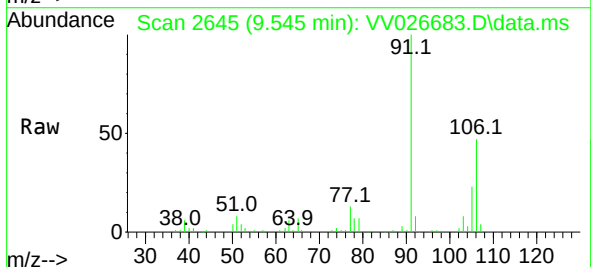
Instrument :
MSVOA_V
ClientSampleId :
DBUB5

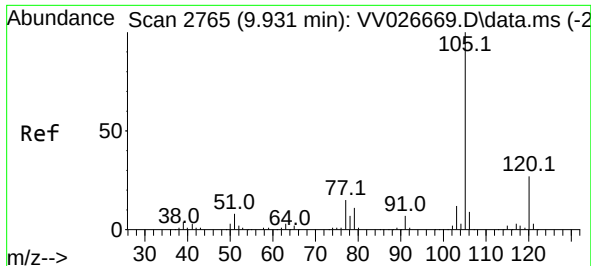
Tgt Ion:106 Resp: 33800
Ion Ratio Lower Upper
106 100
91 193.9 139.9 259.9



#54
o-Xylene
Concen: 1.039 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

Tgt Ion:106 Resp: 21803
Ion Ratio Lower Upper
106 100
91 210.6 147.5 273.9

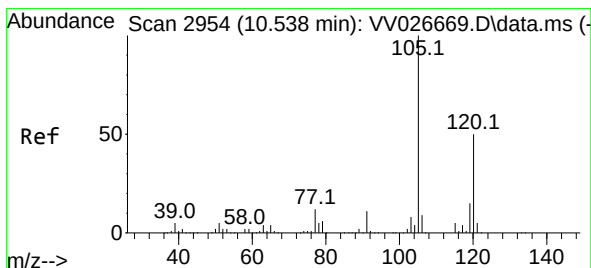
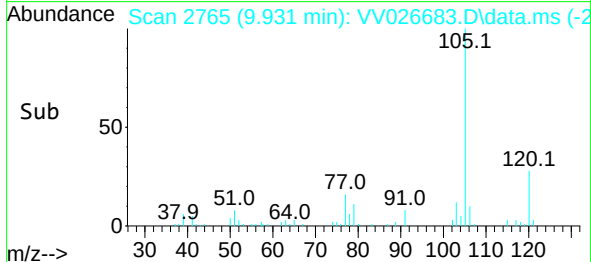
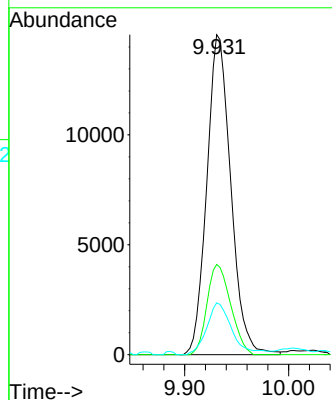
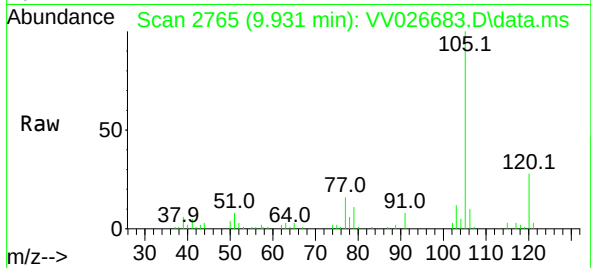




#60
Isopropylbenzene
Concen: 0.369 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

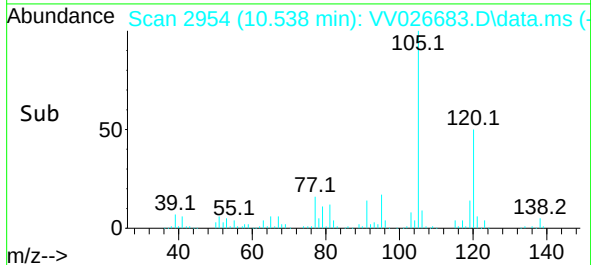
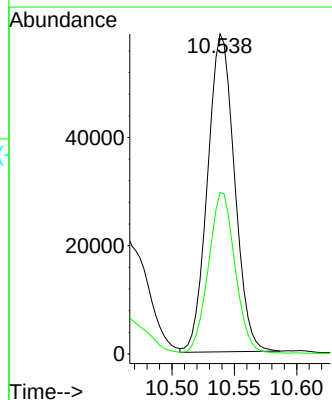
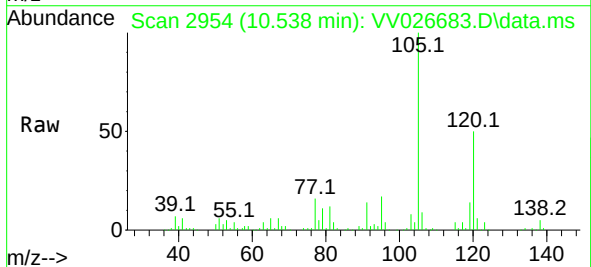
Instrument :
MSVOA_V
ClientSampleId :
DBUB5

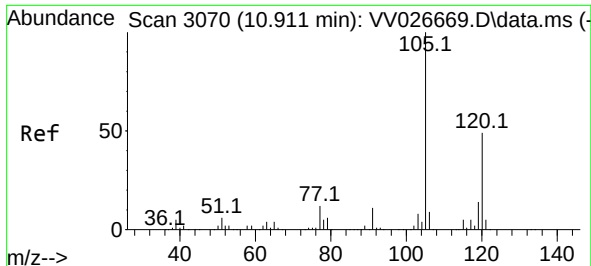
Tgt Ion:105 Resp: 23343
Ion Ratio Lower Upper
105 100
120 27.7 21.4 32.2
77 0.0 11.6 17.4#



#62
1,3,5-Trimethylbenzene
Concen: 1.768 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

Tgt Ion:105 Resp: 88460
Ion Ratio Lower Upper
105 100
120 49.9 39.6 59.4

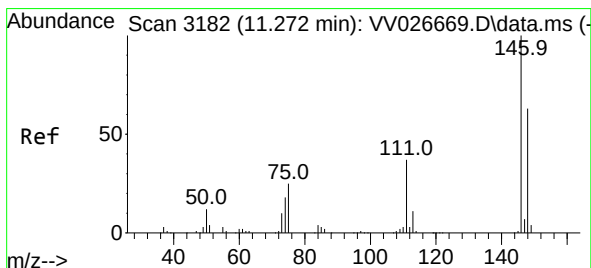
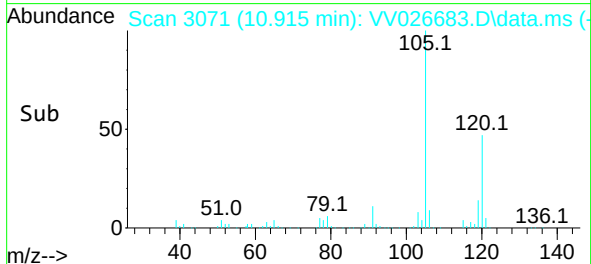
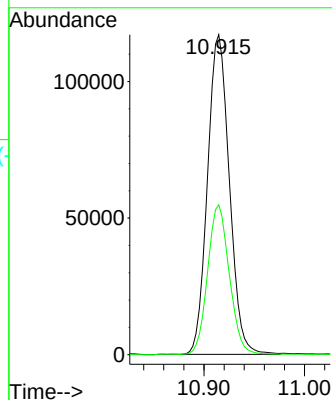
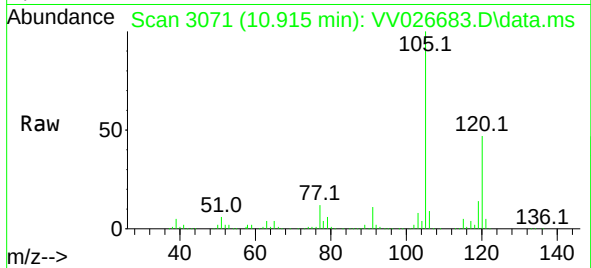




#63
1,2,4-Trimethylbenzene
Concen: 3.585 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

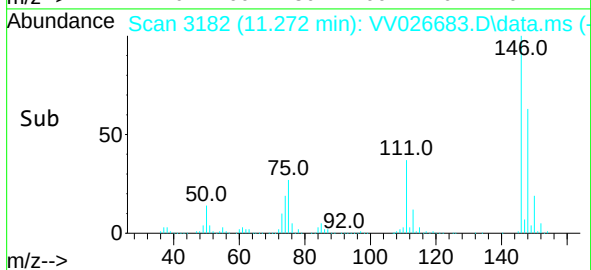
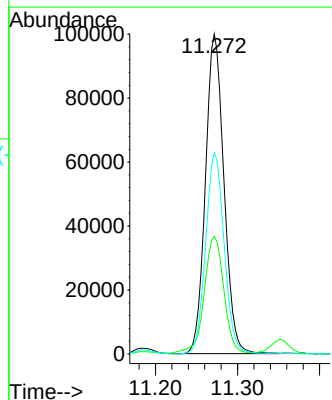
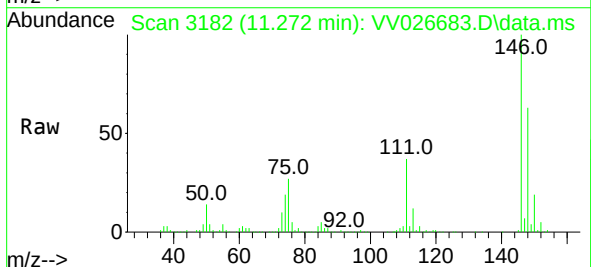
Instrument :
MSVOA_V
ClientSampleId :
DBUB5

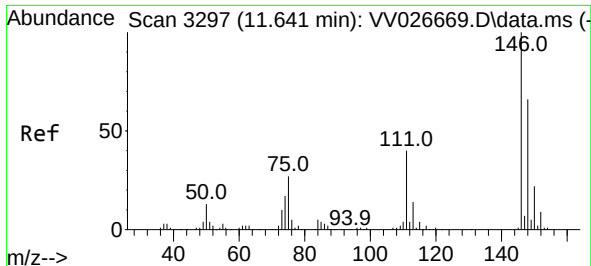
Tgt Ion:105 Resp: 176890
Ion Ratio Lower Upper
105 100
120 46.2 37.4 56.2



#65
1,4-Dichlorobenzene
Concen: 5.121 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV026683.D
Acq: 07 Jul 2022 17:42

Tgt Ion:146 Resp: 156575
Ion Ratio Lower Upper
146 100
111 36.7 26.5 49.3
148 62.9 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 2.208 ug/L

RT: 11.641 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV026683.D

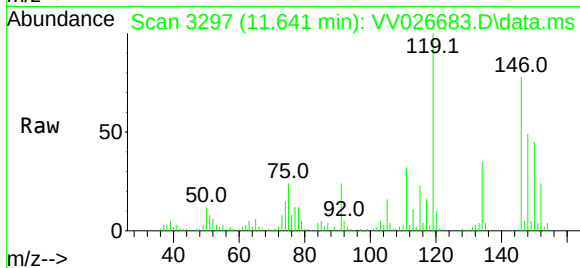
Acq: 07 Jul 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

DBUB5



Tgt Ion:146 Resp: 57837

Ion Ratio Lower Upper

146 100

111 41.7 32.8 49.2

148 63.4 51.7 77.5

