

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031822\
 Data File : VW025099.D
 Acq On : 18 Mar 2022 15:45
 Operator : SY/MD
 Sample : N2018-03
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0QA5

Quant Time: Mar 19 00:56:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 19 00:53:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	132841	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	128934	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	68016	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	50449	4.810	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.200%
7) Chloroethane-d5	1.565	69	40680	5.297	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.000%
11) 1,1-Dichloroethene-d2	2.108	63	64505	3.806	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.200%
20) 2-Butanone-d5	3.899	46	72557	57.246	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.500%
24) Chloroform-d	4.349	84	83966	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.034	65	36478	5.016	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.050	84	173541	4.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.069	67	52600	4.891	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.317	98	149768	4.394	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	7.625	79	13971	3.726	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.600%
46) 2-Hexanone-d5	8.092	63	63977	50.025	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.060%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	34273	5.417	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	56074	4.870	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%

Target Compounds				Qvalue		
5) Vinyl chloride	1.311	62	1621	0.139	ug/L #	63
14) Carbon disulfide	2.294	76	7333	0.242	ug/L	96
17) Methyl tert-butyl Ether	2.767	73	105011	5.697	ug/L	99
19) 1,1-Dichloroethane	3.191	63	2067	0.119	ug/L	99
22) cis-1,2-Dichloroethene	3.915	96	13580	1.321	ug/L	99
25) Chloroform	4.375	83	1308	0.072	ug/L #	55
33) Benzene	5.111	78	3949	0.094	ug/L	100
34) Trichloroethene	5.918	95	10754	0.963	ug/L	98
35) Methylcyclohexane	6.130	83	5791	0.328	ug/L	95
47) Tetrachloroethene	7.979	164	4328	0.551	ug/L	97
51) Chlorobenzene	8.886	112	5927	0.216	ug/L	96
52) Ethylbenzene	9.014	91	85919	1.851	ug/L	100
53) m,p-xylene	9.143	106	5397	0.302	ug/L	90
54) o-xylene	9.542	106	141308	8.265	ug/L	95
60) Isopropylbenzene	9.931	105	125430	2.445	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	33131	1.423	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	111930	2.715	ug/L	98
64) 1,3-Dichlorobenzene	11.178	146	131413	5.906	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	266082	11.863	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Mar 19 00:53:30 2022
Response via : Initial Calibration

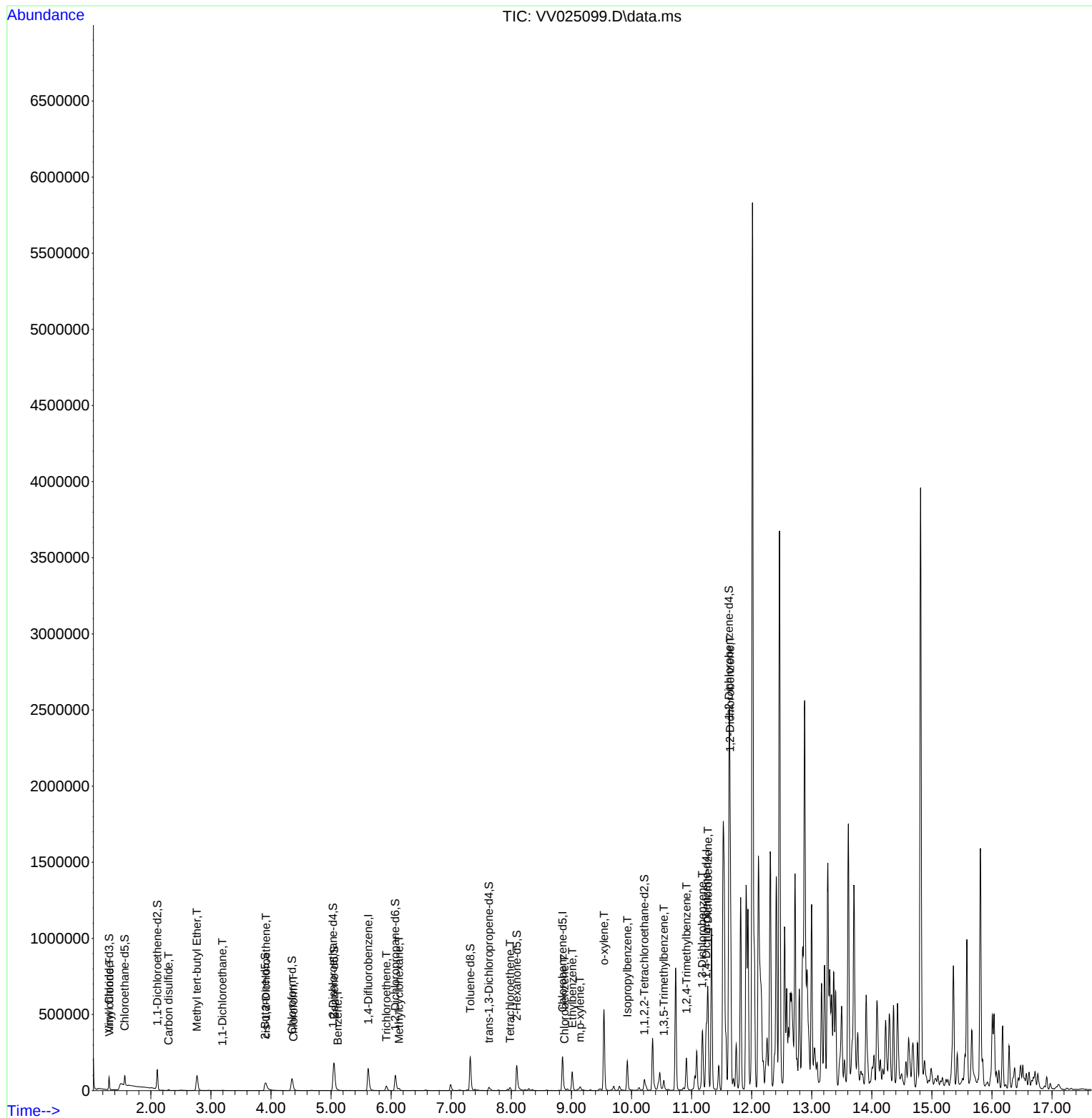
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.641	146	183312	9.298	ug/L	98

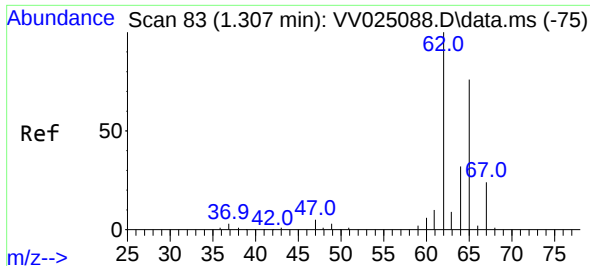
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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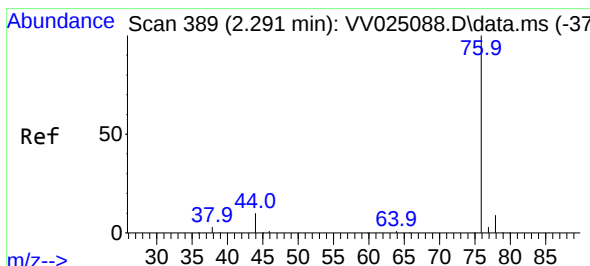
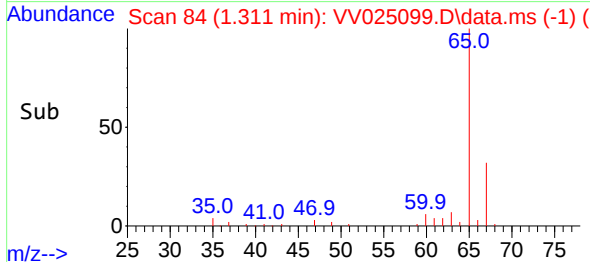
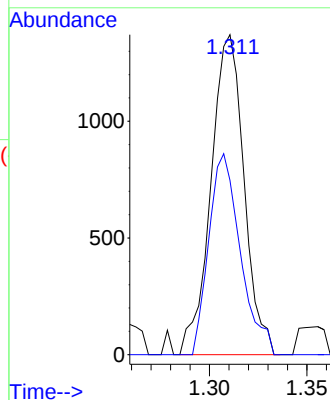
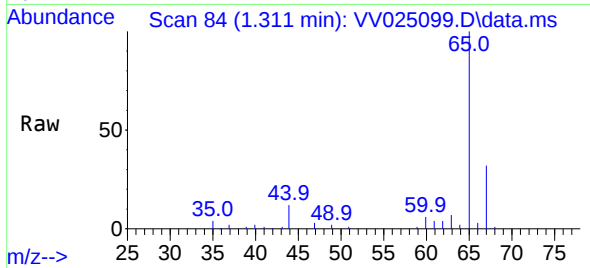




#5
 Vinyl chloride
 Concen: 0.139 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV025099.D
 Acq: 18 Mar 2022 15:45

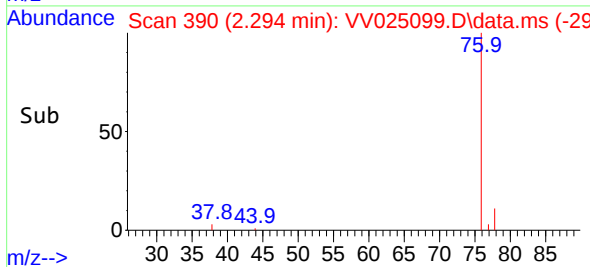
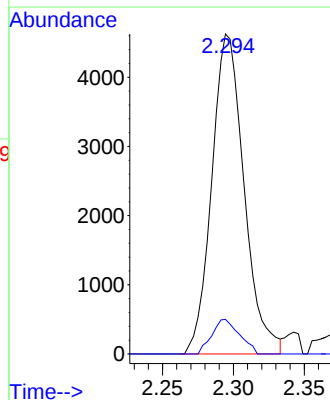
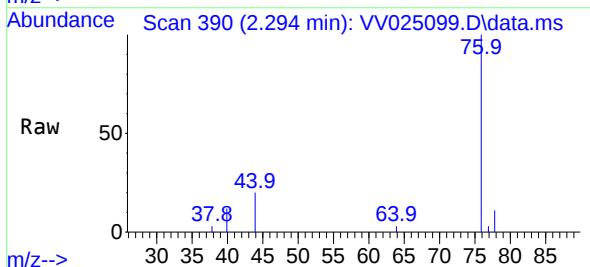
Instrument :
 MSVOA_V
 ClientSampleId :
 C0QA5

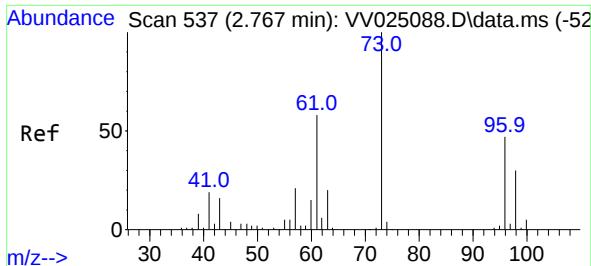
Tgt Ion: 62 Resp: 1621
 Ion Ratio Lower Upper
 62 100
 64 54.5 23.4 43.4#



#14
 Carbon disulfide
 Concen: 0.242 ug/L
 RT: 2.294 min Scan# 390
 Delta R.T. 0.003 min
 Lab File: VV025099.D
 Acq: 18 Mar 2022 15:45

Tgt Ion: 76 Resp: 7333
 Ion Ratio Lower Upper
 76 100
 78 10.8 7.4 11.0

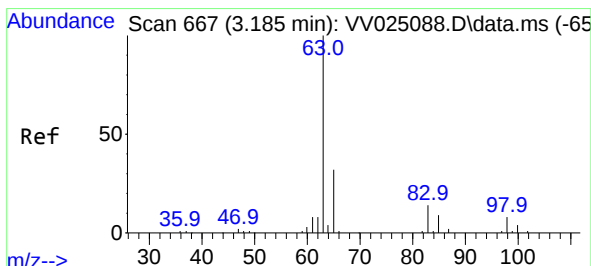
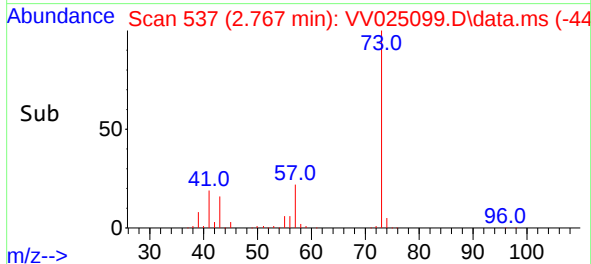
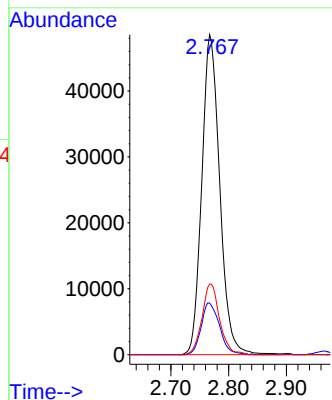
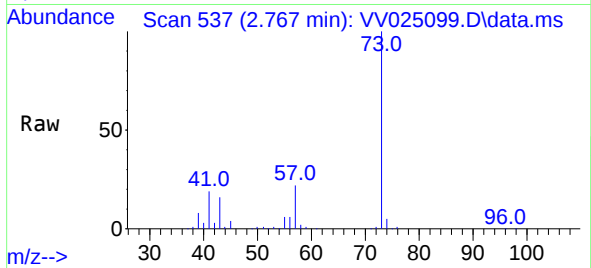




#17
Methyl tert-butyl Ether
Concen: 5.697 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

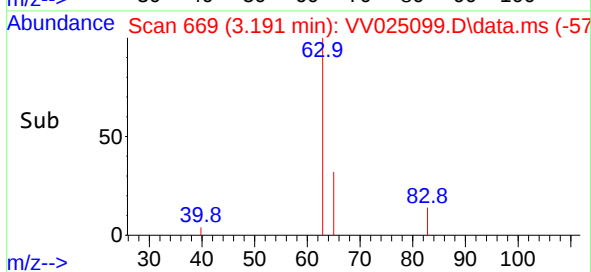
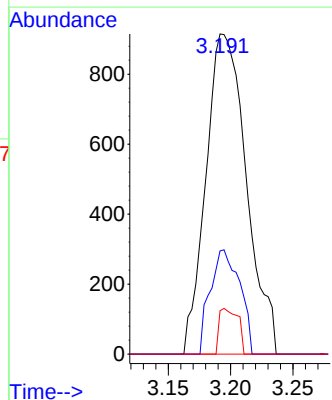
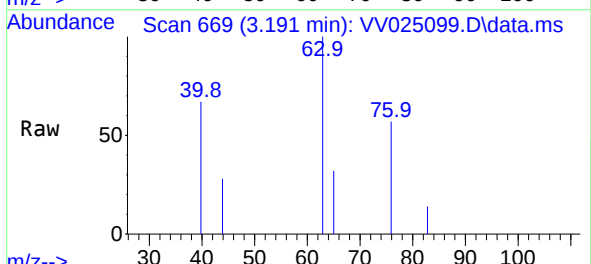
Instrument :
MSVOA_V
ClientSampleId :
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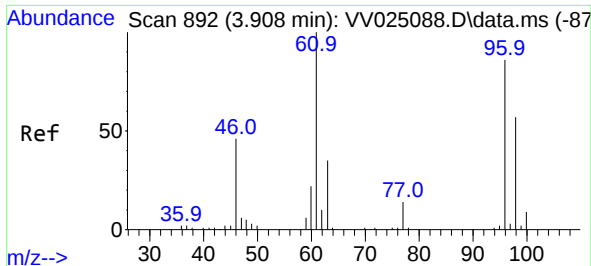
Tgt Ion: 73 Resp: 105011
Ion Ratio Lower Upper
73 100
43 16.5 13.2 19.8
57 21.6 16.7 25.1



#19
1,1-Dichloroethane
Concen: 0.119 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.007 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Tgt Ion: 63 Resp: 2067
Ion Ratio Lower Upper
63 100
65 32.2 22.2 41.2
83 13.6 9.4 17.4

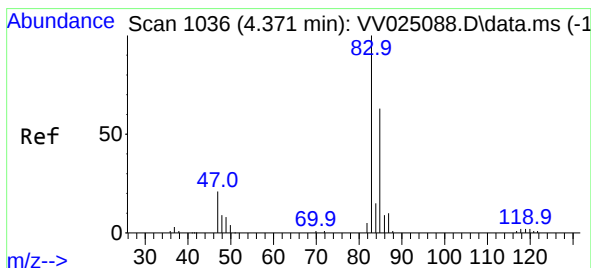
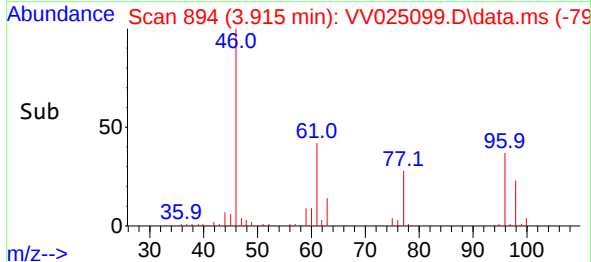
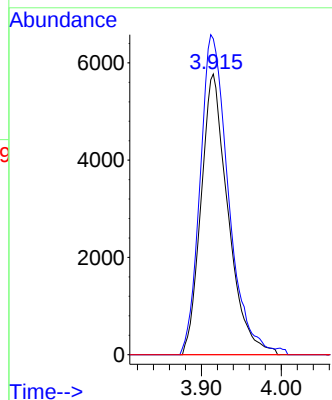
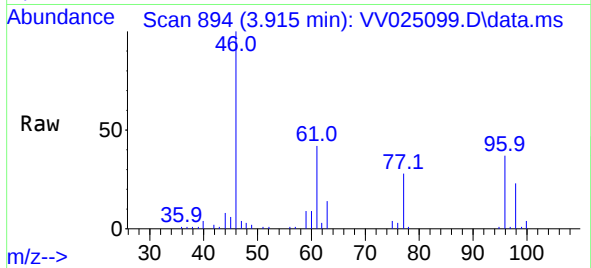




#22
cis-1,2-Dichloroethene
Concen: 1.321 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

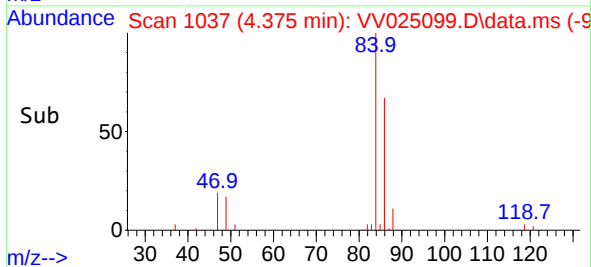
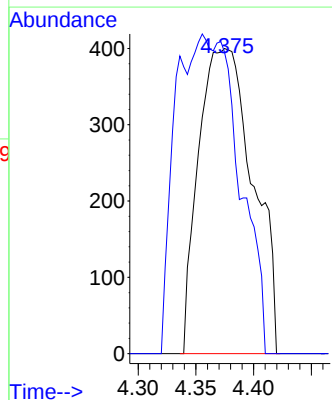
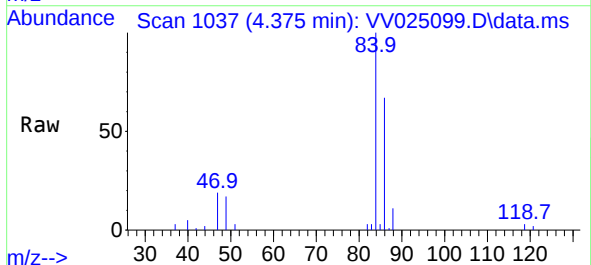
Instrument :
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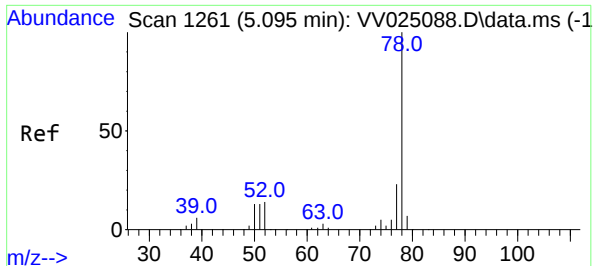
Tgt Ion: 96 Resp: 13580
Ion Ratio Lower Upper
96 100
61 112.6 79.7 147.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.072 ug/L
RT: 4.375 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Tgt Ion: 83 Resp: 1308
Ion Ratio Lower Upper
83 100
85 98.8 44.5 82.7#

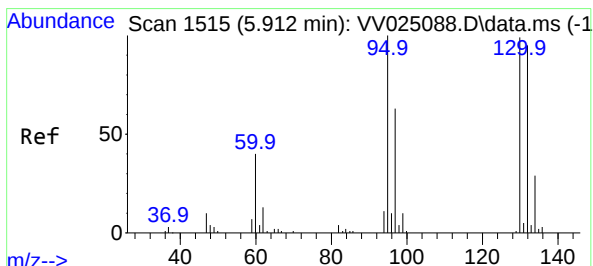
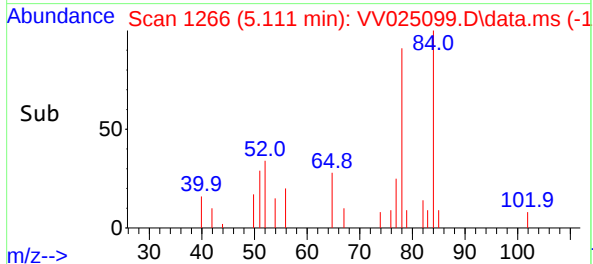
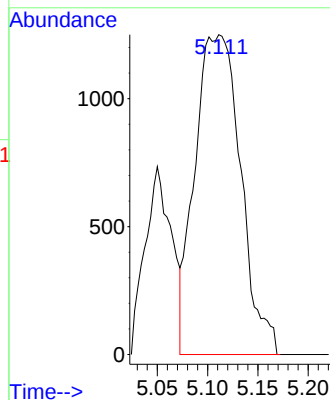
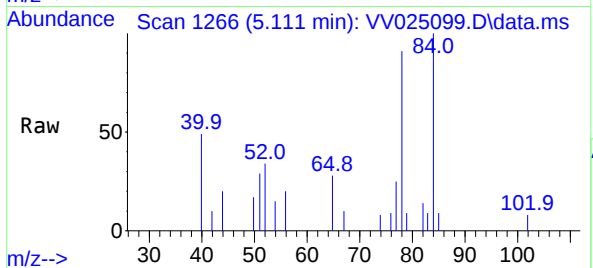




#33
Benzene
Concen: 0.094 ug/L
RT: 5.111 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Instrument :
MSVOA_V
ClientSampleId :
C0QA5

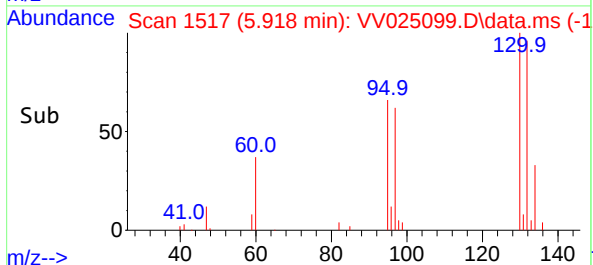
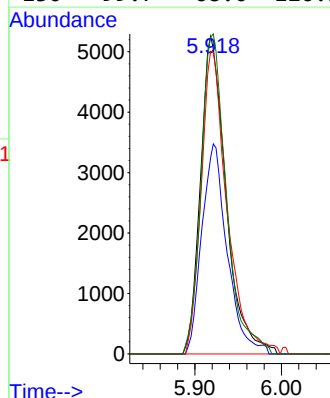
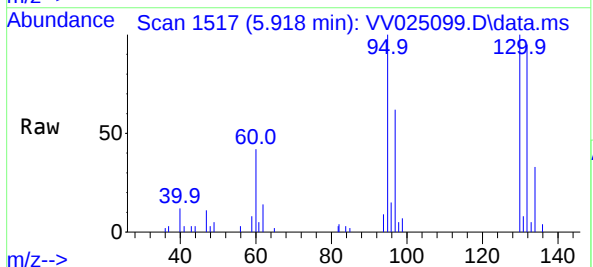
Tgt Ion: 78 Resp: 3949

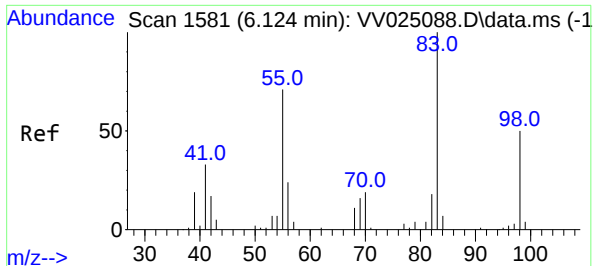


#34
Trichloroethene
Concen: 0.963 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Tgt Ion: 95 Resp: 10754

Ion	Ratio	Lower	Upper
95	100		
97	61.7	44.5	82.7
132	95.3	66.5	123.5
130	99.7	68.0	126.2

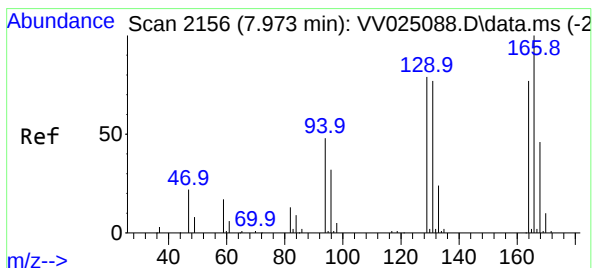
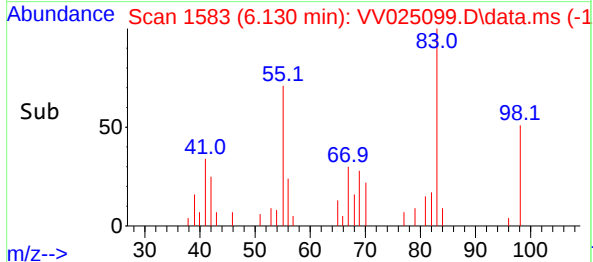
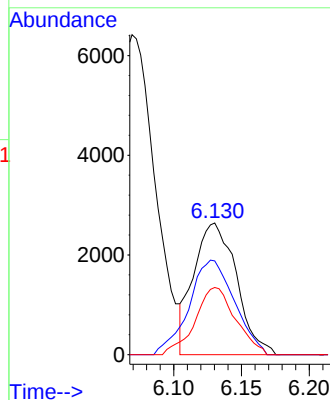
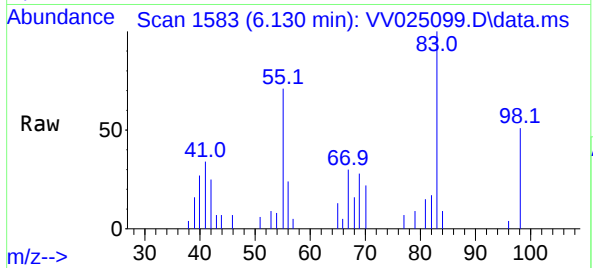




#35
Methylcyclohexane
Concen: 0.328 ug/L
RT: 6.130 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

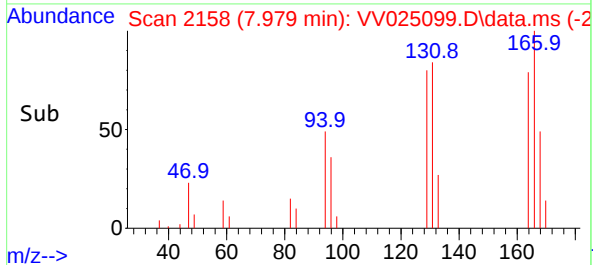
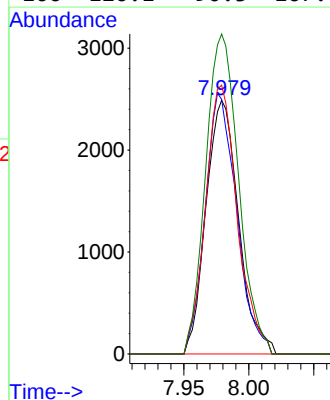
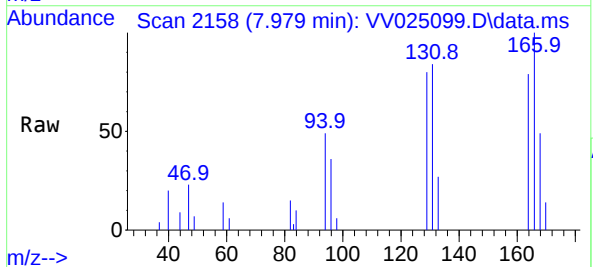
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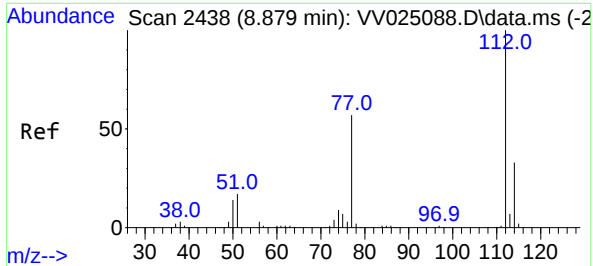
Tgt Ion:	83	Resp:	5791
Ion	Ratio	Lower	Upper
83	100		
55	76.4	55.4	83.0
98	48.3	38.4	57.6



#47
Tetrachloroethene
Concen: 0.551 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Tgt Ion:	164	Resp:	4328
Ion	Ratio	Lower	Upper
164	100		
129	100.3	70.3	130.7
131	105.9	69.4	129.0
166	126.1	90.3	167.7

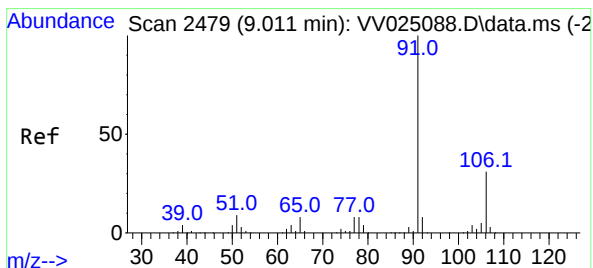
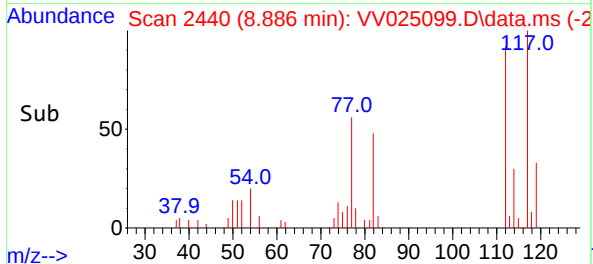
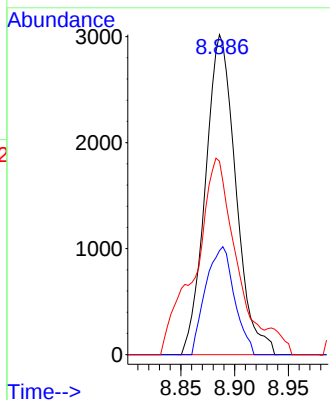
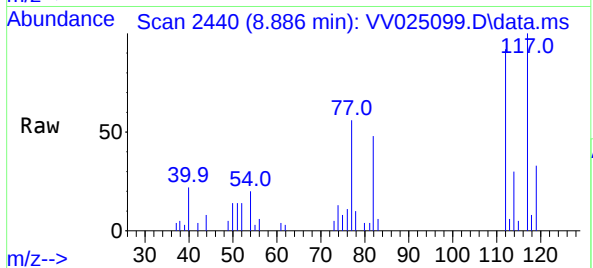




#51
Chlorobenzene
Concen: 0.216 ug/L
RT: 8.886 min Scan# 2438
Delta R.T. 0.006 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

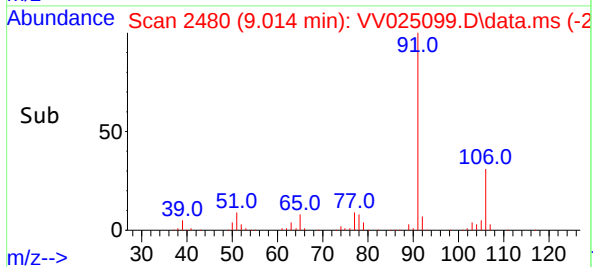
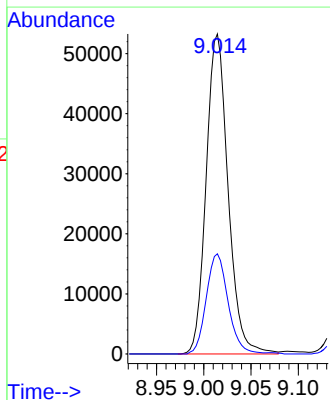
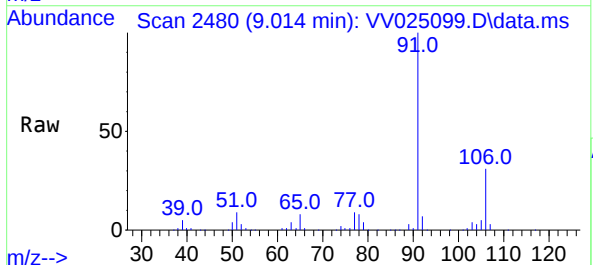
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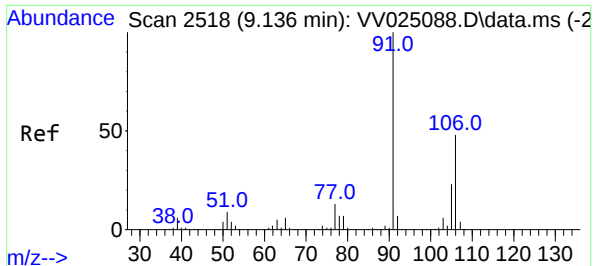
Tgt Ion:	112	Resp:	5927
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.5	41.7
77	60.5	45.3	67.9



#52
Ethylbenzene
Concen: 1.851 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Tgt Ion:	91	Resp:	85919
Ion	Ratio	Lower	Upper
91	100		
106	31.3	21.9	40.7





#53

m,p-xylene

Concen: 0.302 ug/L

RT: 9.143 min Scan# 2

Delta R.T. 0.007 min

Lab File: VV025099.D

Acq: 18 Mar 2022 15:45

Instrument :

MSVOA_V

ClientSampleId :

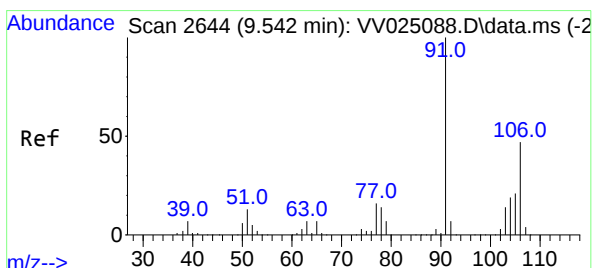
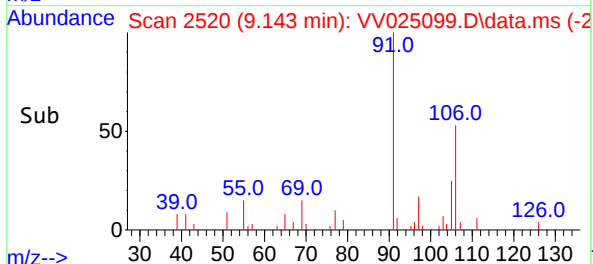
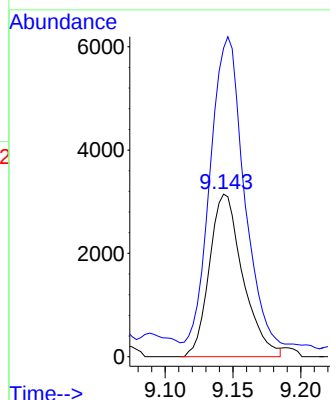
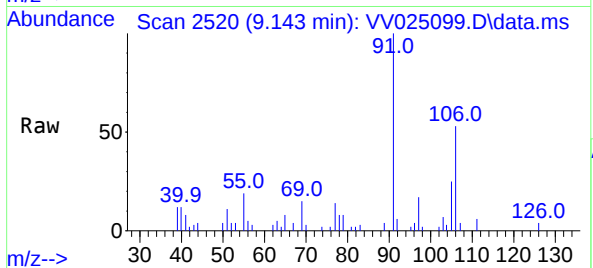
C0QA5

Tgt Ion:106 Resp: 5397

Ion Ratio Lower Upper

106 100

91 189.7 143.4 266.4



#54

o-xylene

Concen: 8.265 ug/L

RT: 9.542 min Scan# 2644

Delta R.T. 0.000 min

Lab File: VV025099.D

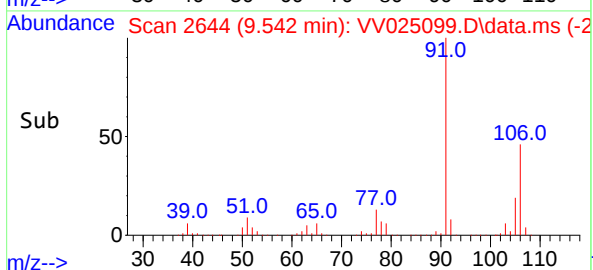
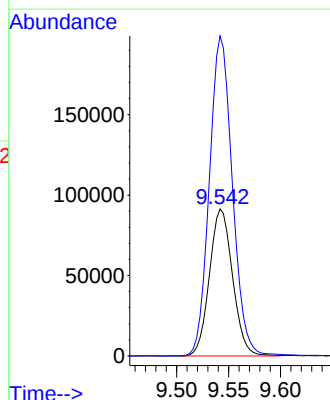
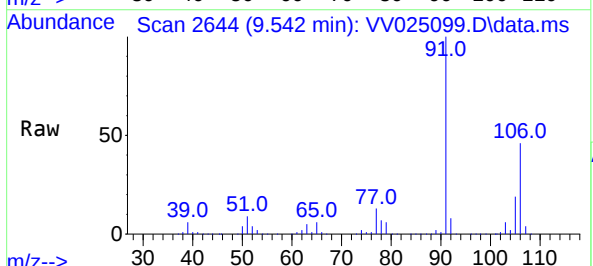
Acq: 18 Mar 2022 15:45

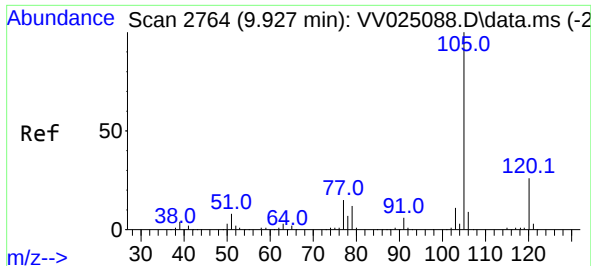
Tgt Ion:106 Resp: 141308

Ion Ratio Lower Upper

106 100

91 217.5 146.7 272.5

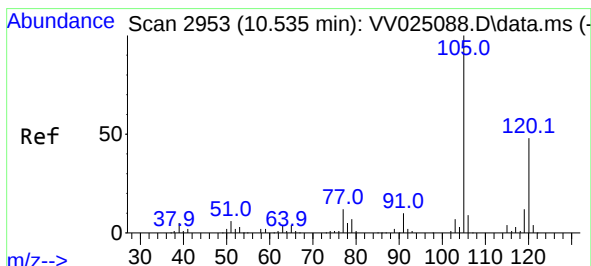
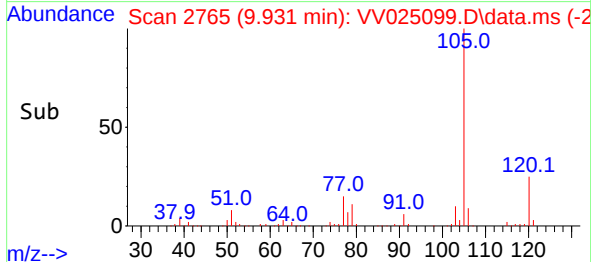
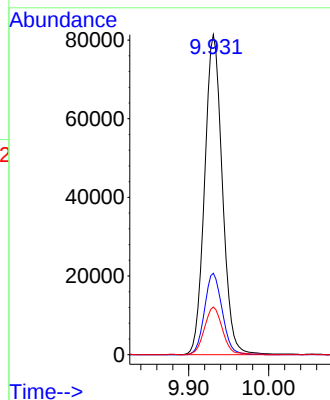
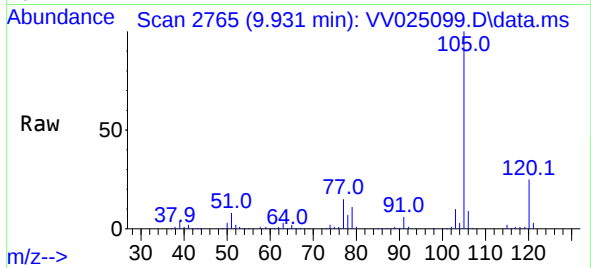




#60
Isopropylbenzene
Concen: 2.445 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

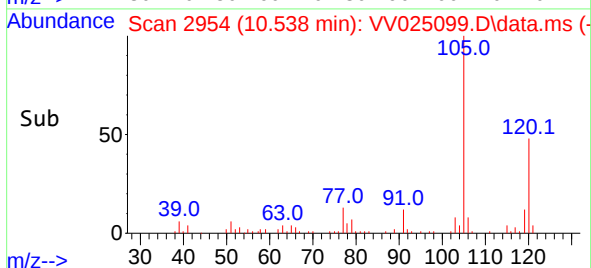
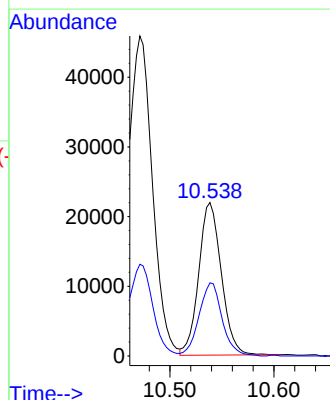
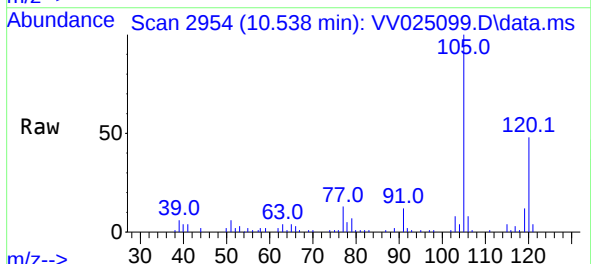
Instrument :
MSVOA_V
ClientSampleId :
C0QA5

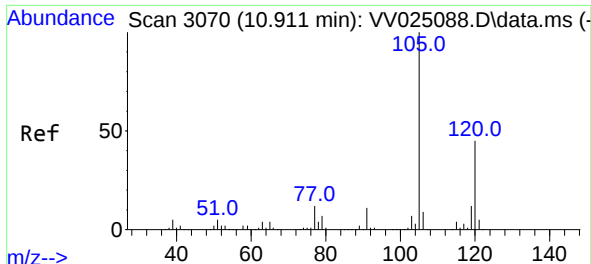
Tgt Ion:105 Resp: 125430
Ion Ratio Lower Upper
105 100
120 25.4 20.7 31.1
77 15.3 12.2 18.2



#62
1,3,5-Trimethylbenzene
Concen: 1.423 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Tgt Ion:105 Resp: 33131
Ion Ratio Lower Upper
105 100
120 48.9 38.5 57.7

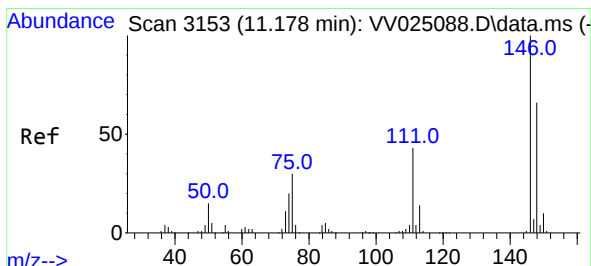
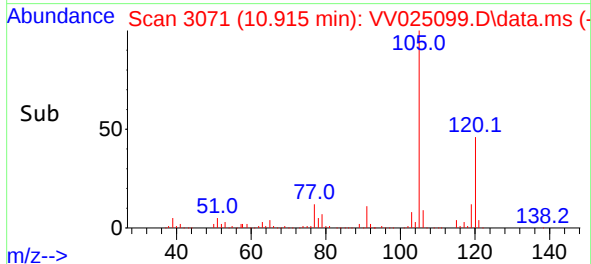
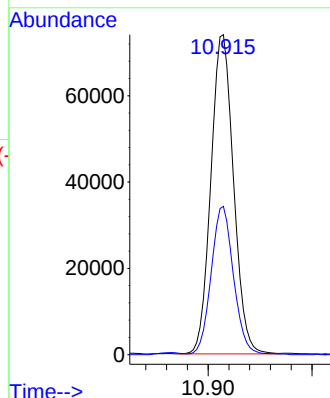
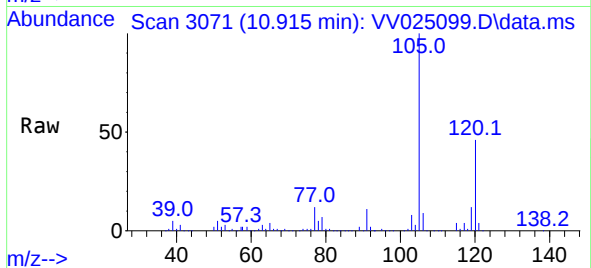




#63
1,2,4-Trimethylbenzene
Concen: 2.715 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

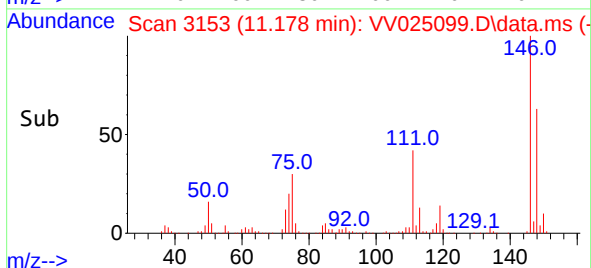
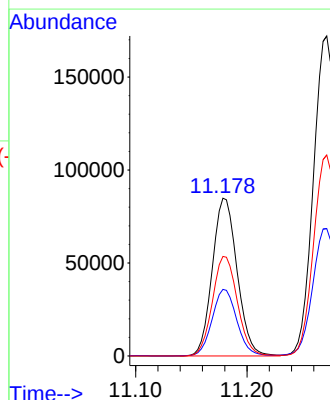
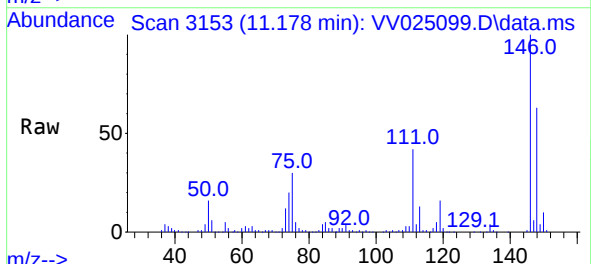
Instrument :
MSVOA_V
ClientSampleId :
C0QA5

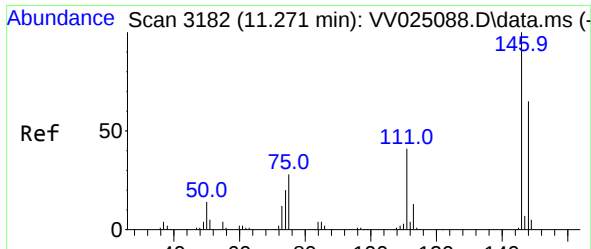
Tgt Ion:105 Resp: 111930
Ion Ratio Lower Upper
105 100
120 46.0 35.8 53.8



#64
1,3-Dichlorobenzene
Concen: 5.906 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Tgt Ion:146 Resp: 131413
Ion Ratio Lower Upper
146 100
111 42.2 29.2 54.2
148 63.0 43.8 81.4

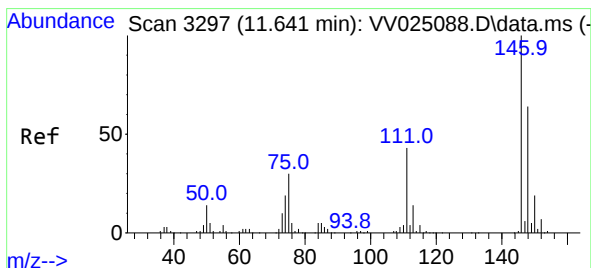
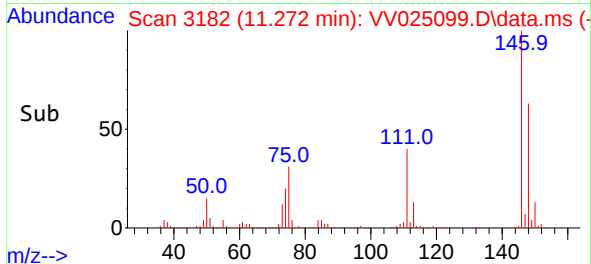
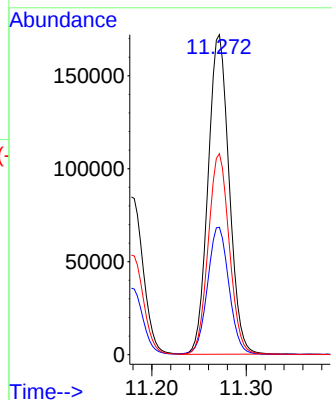
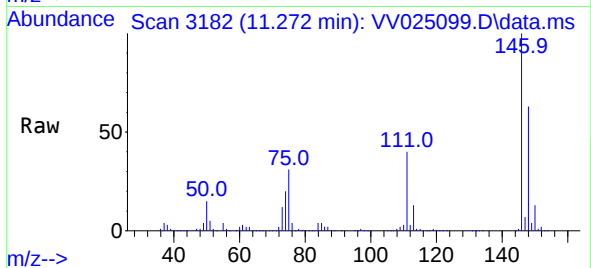




#65
1,4-Dichlorobenzene
Concen: 11.863 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Instrument :
MSVOA_V
ClientSampleId :
C0QA5

Tgt Ion:146 Resp: 266082
Ion Ratio Lower Upper
146 100
111 39.8 28.2 52.4
148 62.8 43.8 81.4



#67
1,2-Dichlorobenzene
Concen: 9.298 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV025099.D
Acq: 18 Mar 2022 15:45

Tgt Ion:146 Resp: 183312
Ion Ratio Lower Upper
146 100
111 44.2 35.5 53.3
148 64.2 49.7 74.5

