

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022877.D
 Acq On : 18 Oct 2021 19:27
 Operator : SY/MD
 Sample : M4200-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGE4

Quant Time: Oct 19 01:46:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 01:43:03 2021
 Response via : Initial Calibration

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

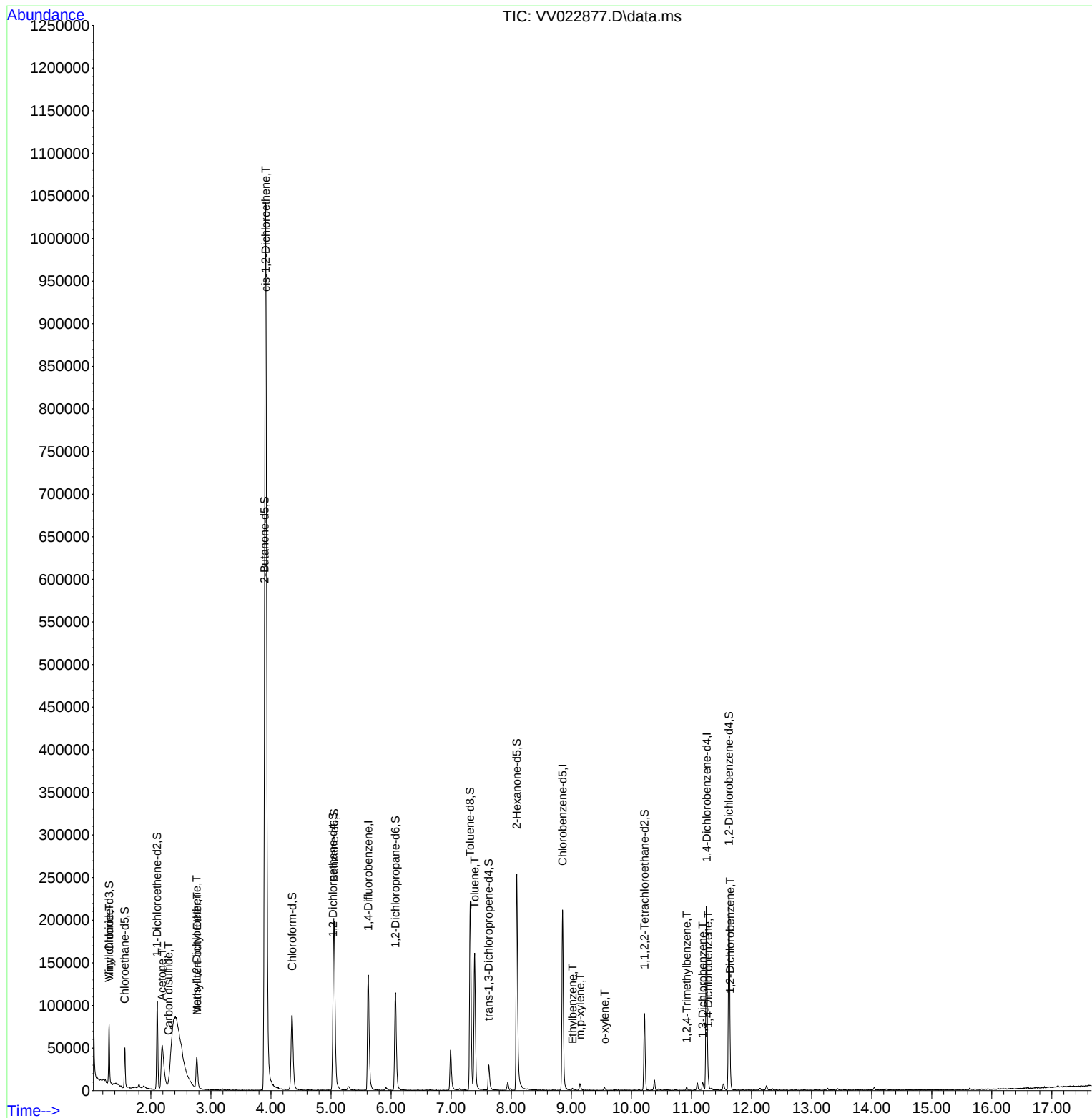
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	118297	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	121159	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	58549	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	35137	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.564	69	29362	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.105	63	51781	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	3.892	46	113473	53.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.34%
24) Chloroform-d	4.352	84	94428	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.034	65	44172	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.053	84	182623	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.072	67	57651	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.317	98	150634	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloroprop...	7.625	79	18164	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.091	63	90478	63.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.72%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	42577	5.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.60%
66) 1,2-Dichlorobenzene-d4	11.625	152	62002	5.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.20%
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	8137	0.91	ug/L	92
13) Acetone	2.188	43	110520	92.87	ug/L #	42
14) Carbon disulfide	2.294	76	3250	0.16	ug/L	100
17) Methyl tert-butyl Ether	2.770	73	16963	0.98	ug/L #	93
18) trans-1,2-Dichloroethene	2.764	96	8655	1.11	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	579605	71.03	ug/L	97
42) Toluene	7.391	91	119758	3.62	ug/L	97
52) Ethylbenzene	9.021	91	1974	0.06	ug/L	99
53) m,p-xylene	9.146	106	2330	0.18	ug/L	97
54) o-xylene	9.558	106	1035	0.08	ug/L	88
63) 1,2,4-Trimethylbenzene	10.921	105	2082	0.09	ug/L	95
64) 1,3-Dichlorobenzene	11.188	146	3999	0.26	ug/L	88
65) 1,4-Dichlorobenzene	11.278	146	4764	0.30	ug/L	90
67) 1,2-Dichlorobenzene	11.644	146	4062	0.28	ug/L	96

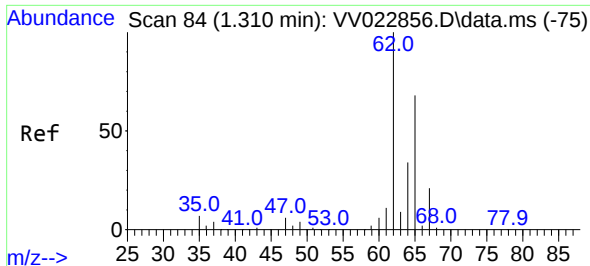
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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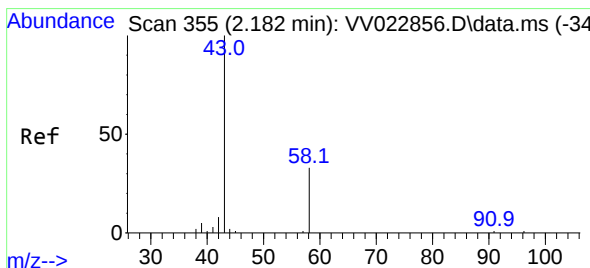
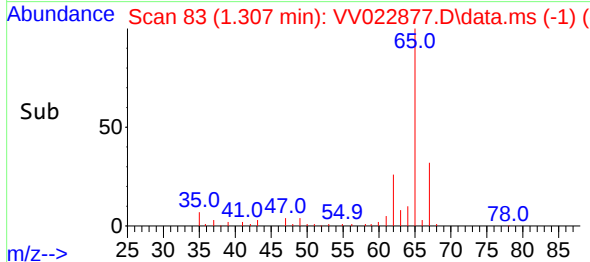
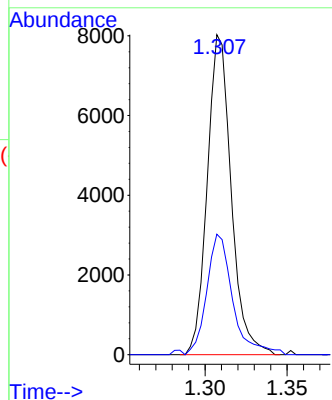
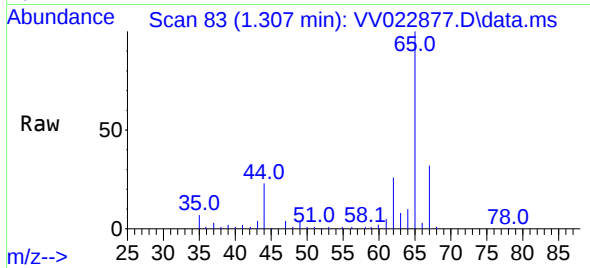




#5
 Vinyl chloride
 Concen: 0.91 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.003 min
 Lab File: VV022877.D
 Acq: 18 Oct 2021 19:27

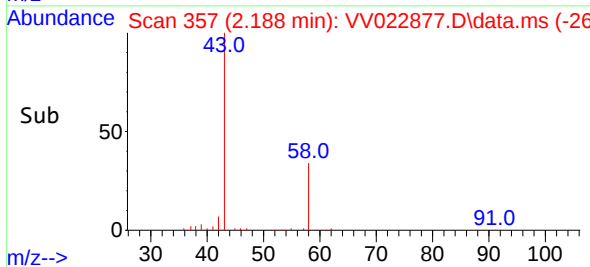
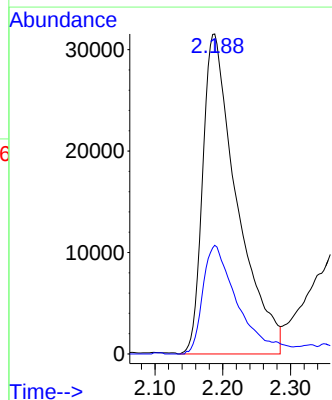
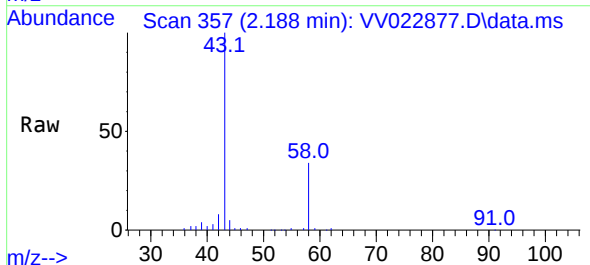
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGE4

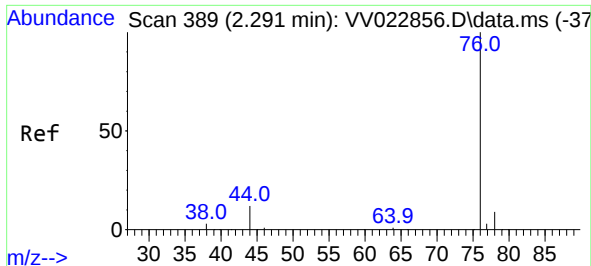
Tgt Ion: 62 Resp: 8137
 Ion Ratio Lower Upper
 62 100
 64 37.7 23.0 42.8



#13
 Acetone
 Concen: 92.87 ug/L
 RT: 2.188 min Scan# 357
 Delta R.T. 0.006 min
 Lab File: VV022877.D
 Acq: 18 Oct 2021 19:27

Tgt Ion: 43 Resp: 110520
 Ion Ratio Lower Upper
 43 100
 58 34.8 0.0 24.2#

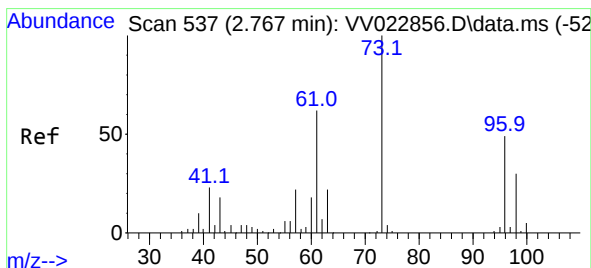
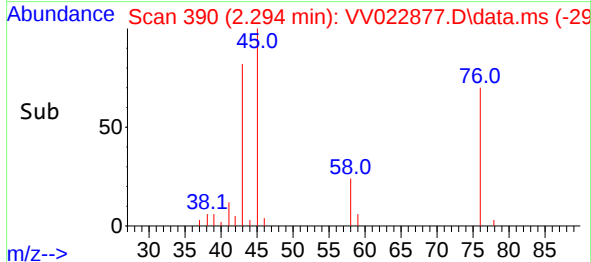
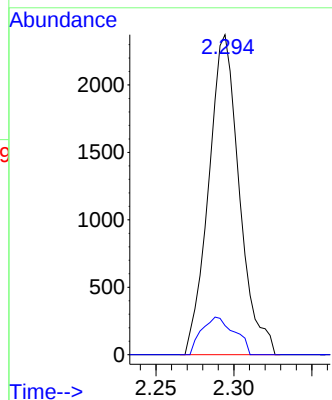
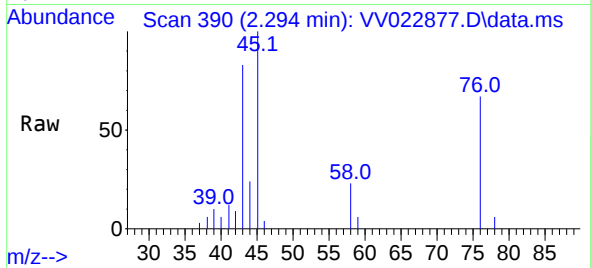




#14
Carbon disulfide
Concen: 0.16 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

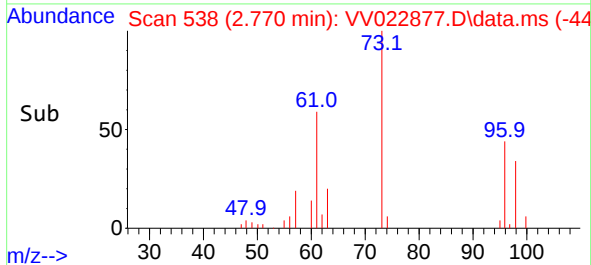
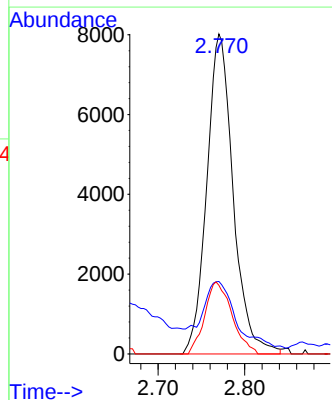
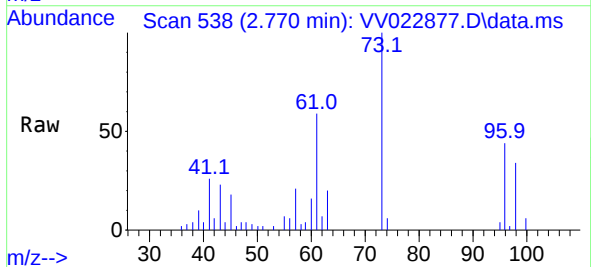
Instrument :
MSVOA_V
ClientSampled :
BFGE4

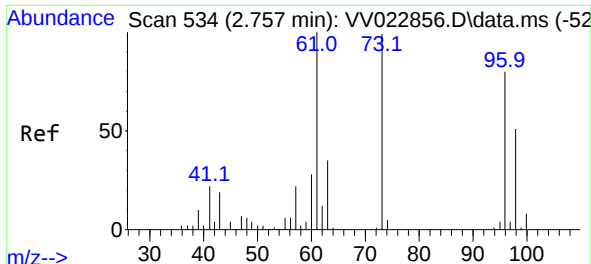
Tgt Ion: 76 Resp: 3250
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#17
Methyl tert-butyl Ether
Concen: 0.98 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

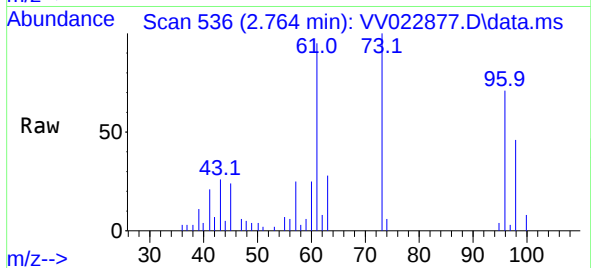
Tgt Ion: 73 Resp: 16963
Ion Ratio Lower Upper
73 100
43 26.7 17.1 25.7#
57 23.2 17.2 25.8



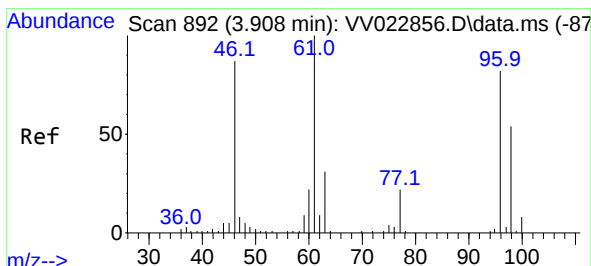
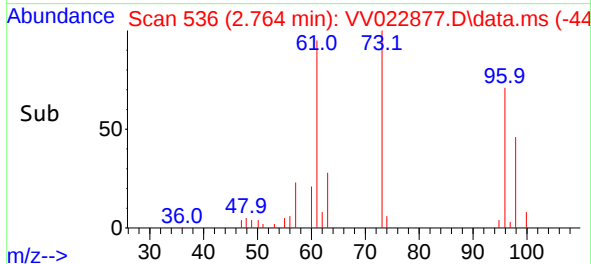
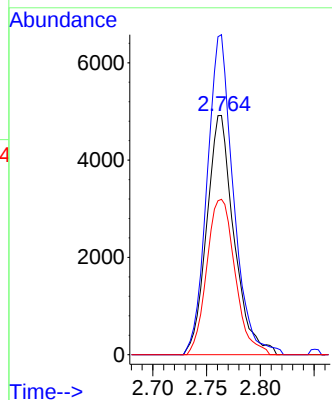


#18
trans-1,2-Dichloroethene
Concen: 1.11 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Instrument :
MSVOA_V
ClientSampleId :
BFGE4

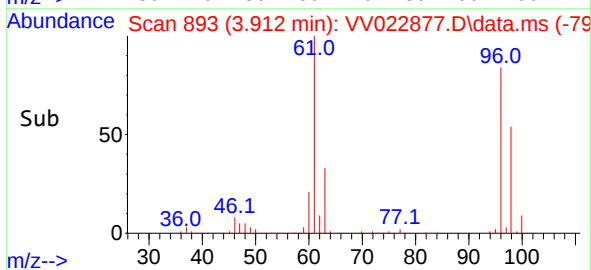
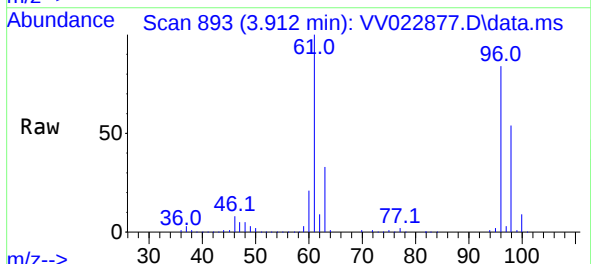
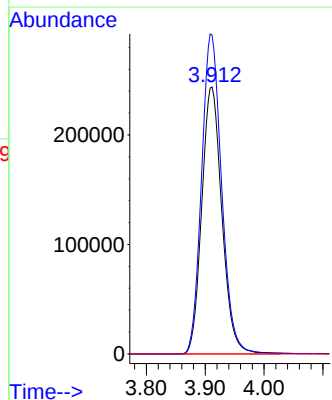


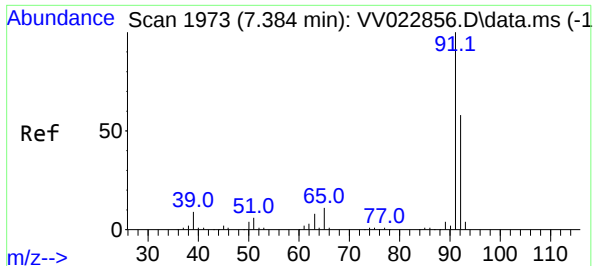
Tgt Ion: 96 Resp: 8655
Ion Ratio Lower Upper
96 100
61 133.8 94.5 175.5
98 65.0 44.2 82.0



#22
cis-1,2-Dichloroethene
Concen: 71.03 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion: 96 Resp: 579605
Ion Ratio Lower Upper
96 100
61 119.4 86.0 159.6
68 0.0 0.0 0.0





#42

Toluene

Concen: 3.62 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.006 min

Lab File: VV022877.D

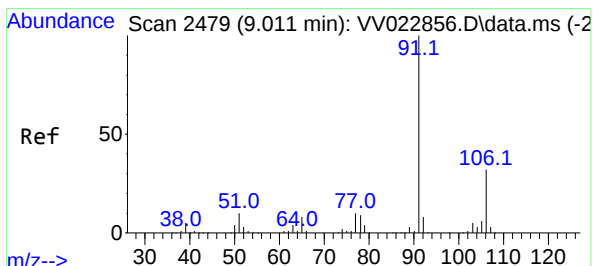
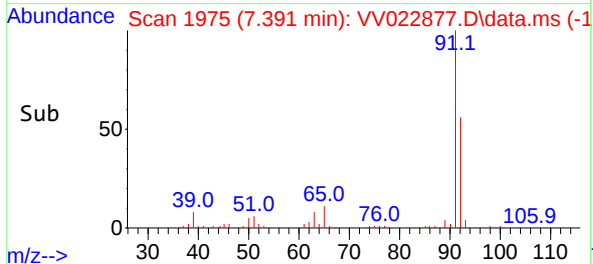
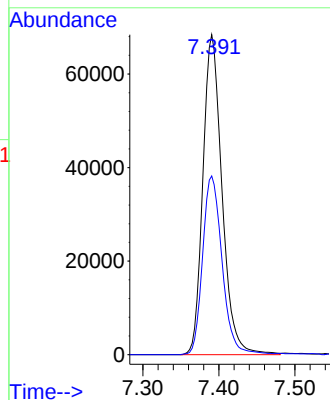
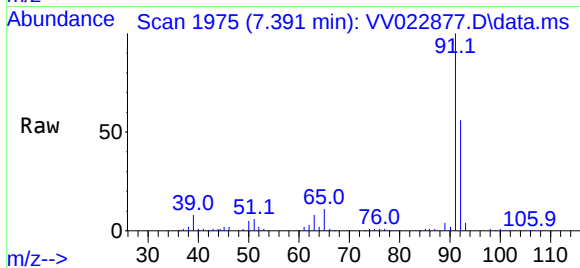
Acq: 18 Oct 2021 19:27

Tgt Ion: 91 Resp: 119758

Ion Ratio Lower Upper

91 100

92 55.9 40.7 75.7



#52

Ethylbenzene

Concen: 0.06 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.010 min

Lab File: VV022877.D

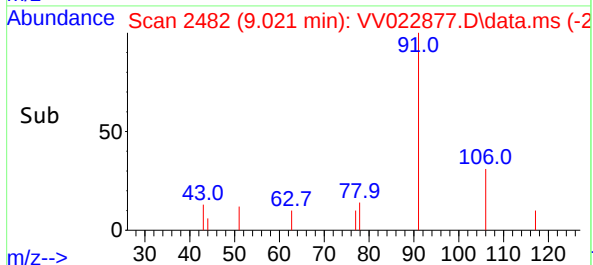
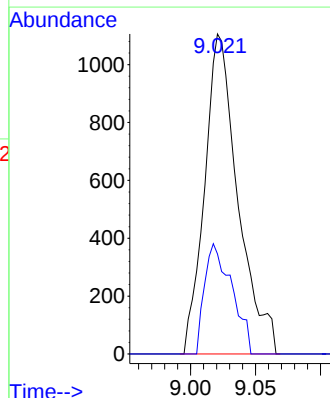
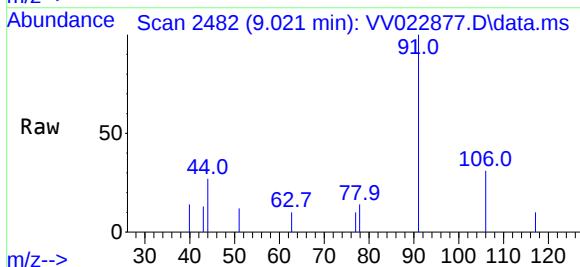
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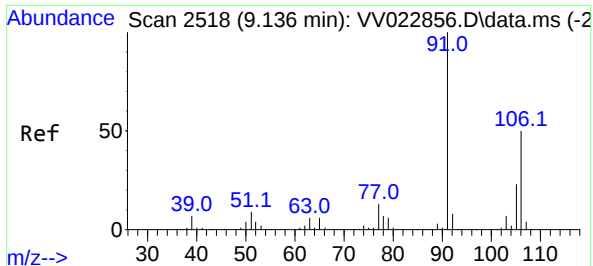
Tgt Ion: 91 Resp: 1974

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.2

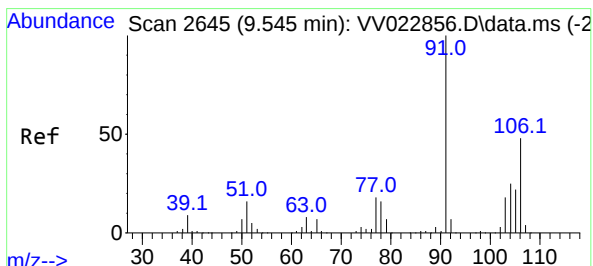
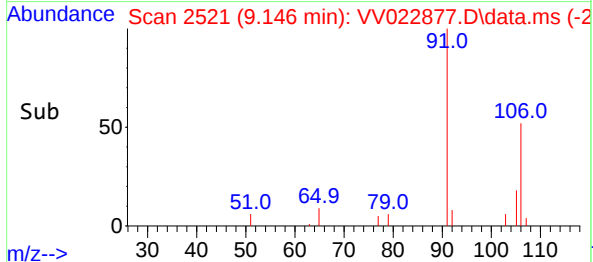
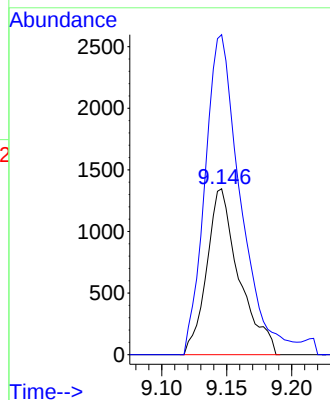
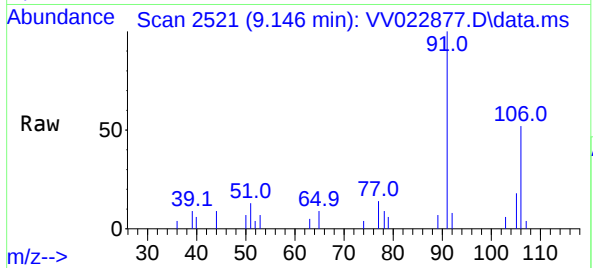




#53
m,p-xylene
Concen: 0.18 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.010 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

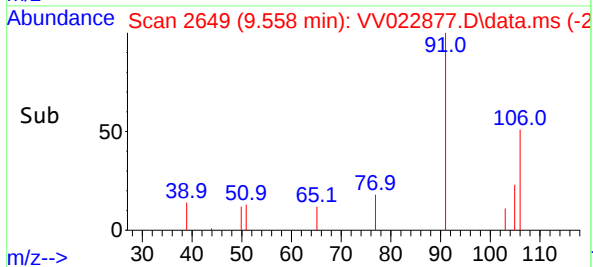
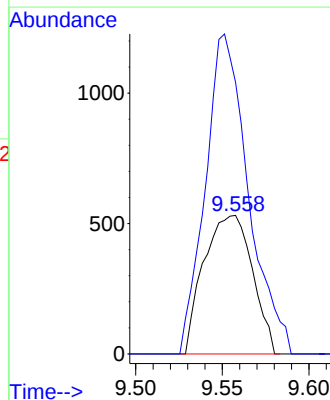
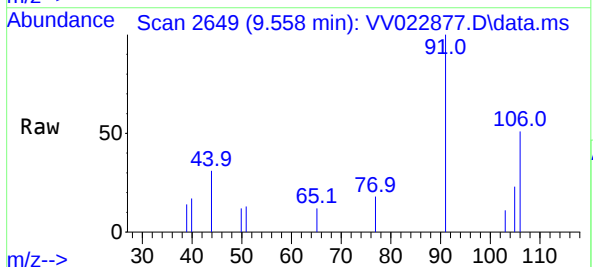
Instrument :
MSVOA_V
ClientSampled :
BFGE4

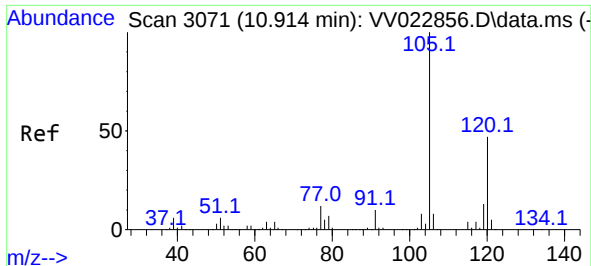
Tgt Ion:106 Resp: 2330
Ion Ratio Lower Upper
106 100
91 192.9 138.7 257.5



#54
o-xylene
Concen: 0.08 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.013 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion:106 Resp: 1035
Ion Ratio Lower Upper
106 100
91 196.2 151.1 280.7

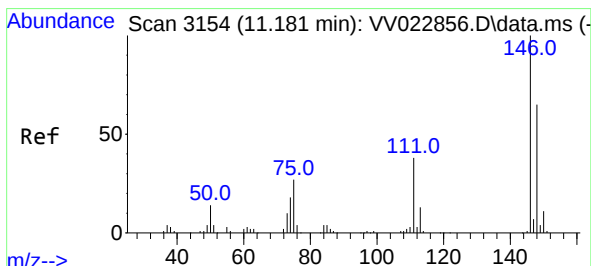
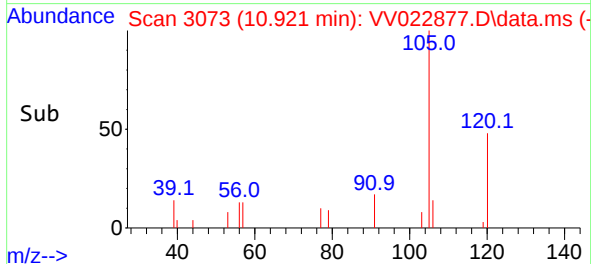
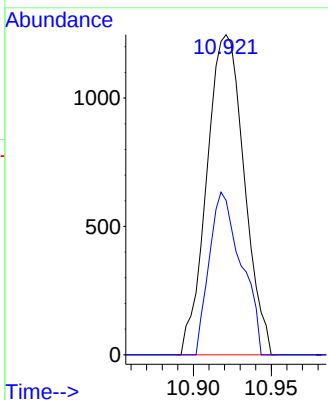
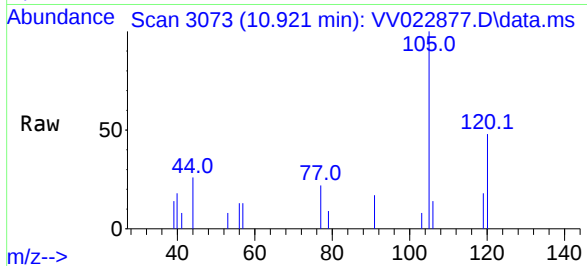




#63
1,2,4-Trimethylbenzene
Concen: 0.09 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

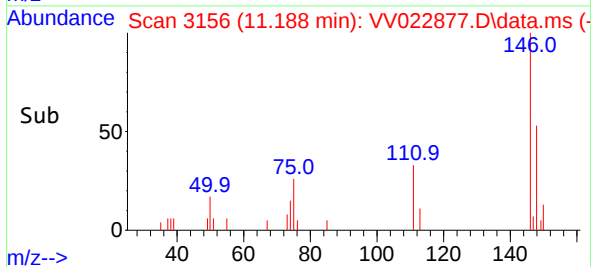
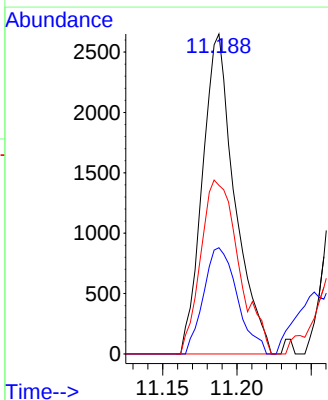
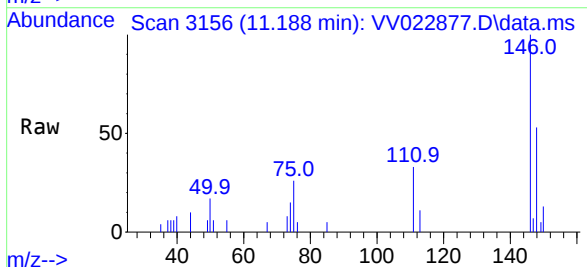
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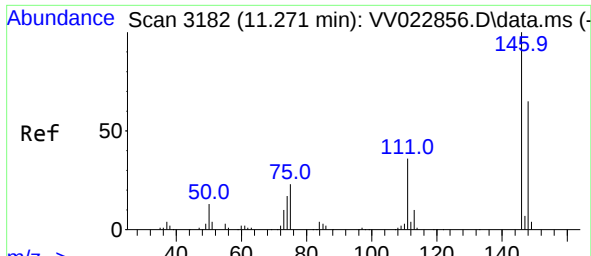
Tgt Ion:105 Resp: 2082
Ion Ratio Lower Upper
105 100
120 43.4 37.3 55.9



#64
1,3-Dichlorobenzene
Concen: 0.26 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion:146 Resp: 3999
Ion Ratio Lower Upper
146 100
111 33.2 26.7 49.5
148 52.7 45.1 83.9

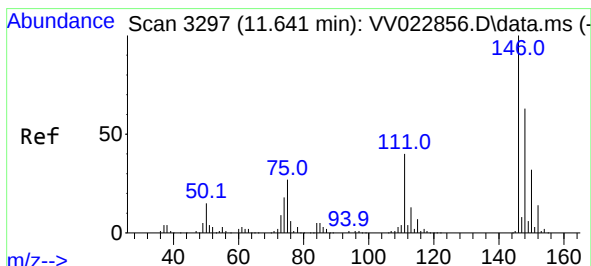
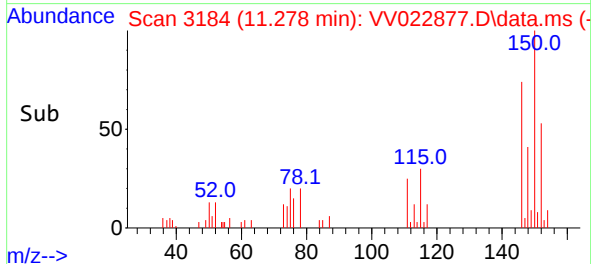
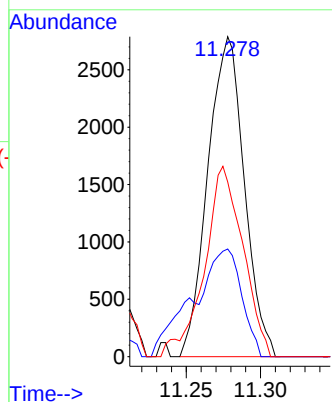
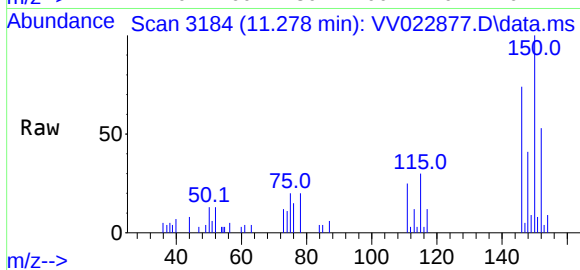




#65
1,4-Dichlorobenzene
Concen: 0.30 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Instrument :
MSVOA_V
ClientSampleId :
BFGE4

Tgt Ion:	146	Resp:	4764
Ion	Ratio	Lower	Upper
146	100		
111	33.6	25.6	47.4
148	54.6	44.9	83.5



#67
1,2-Dichlorobenzene
Concen: 0.28 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion:	146	Resp:	4062
Ion	Ratio	Lower	Upper
146	100		
111	45.4	32.3	48.5
148	64.1	52.1	78.1

