

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029592.D
 Acq On : 12 Dec 2022 13:54
 Operator : SY/MD
 Sample : N5929-15DL 20X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZB7DL

Quant Time: Dec 13 03:37:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 03:35:01 2022
 Response via : Initial Calibration

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

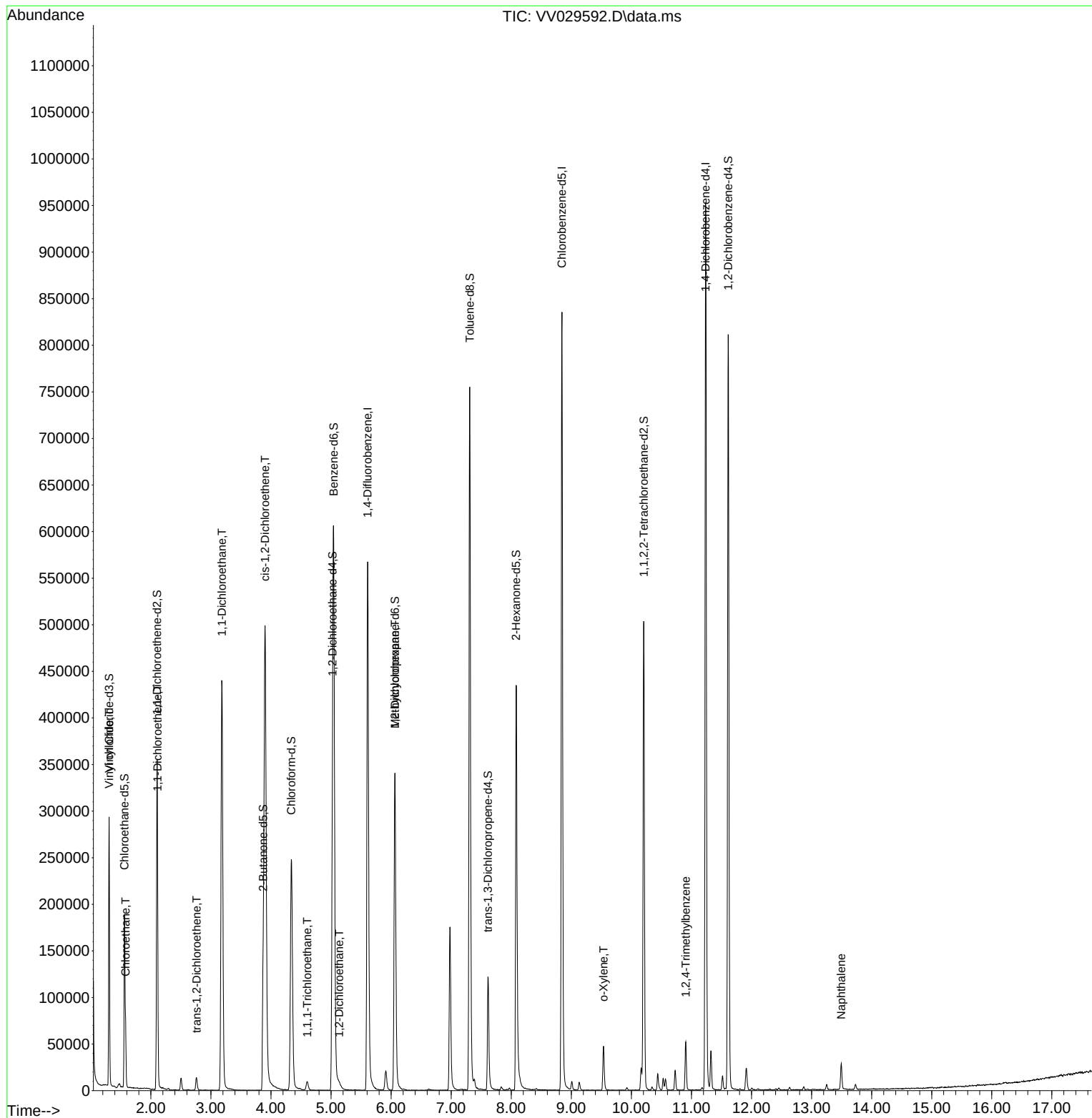
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	529160	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	483298	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	262288	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	129281	39.897	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.800%
7) Chloroethane-d5	1.561	69	114363	46.285	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.560%
11) 1,1-Dichloroethene-d2	2.105	63	180001	35.615	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.240%
21) 2-Butanone-d5	3.870	46	199917	101.137	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.140%
24) Chloroform-d	4.339	84	270500	44.361	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.720%
26) 1,2-Dichloroethane-d4	5.024	65	162995	46.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.600%
32) Benzene-d6	5.043	84	579340	45.366	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.740%
36) 1,2-Dichloropropane-d6	6.063	67	180231	46.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.400%
41) Toluene-d8	7.310	98	527954	43.877	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.760%
43) trans-1,3-Dichloroprop...	7.612	79	74603	37.875	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.740%
47) 2-Hexanone-d5	8.082	63	165567	99.397	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.400%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	253333	45.448	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.900%
66) 1,2-Dichlorobenzene-d4	11.612	152	220500	44.162	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.320%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	60650	15.254	ug/L	96
8) Chloroethane	1.581	64	34035	15.373	ug/L	99
12) 1,1-Dichloroethene	2.111	96	2837	1.003	ug/L #	1
17) trans-1,2-Dichloroethene	2.761	96	5600	1.718	ug/L	88
19) 1,1-Dichloroethane	3.182	63	450897	80.759	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	277360	77.394	ug/L	94
27) 1,2-Dichloroethane	5.137	62	2868	0.701	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	7896	1.500	ug/L	97
35) Methylcyclohexane	6.063	83	43280	7.465	ug/L #	22
54) o-Xylene	9.535	106	13461	2.230	ug/L	94
63) 1,2,4-Trimethylbenzene	10.905	105	29440	2.181	ug/L	100
71) Naphthalene	13.493	128	24480	2.025	ug/L	99

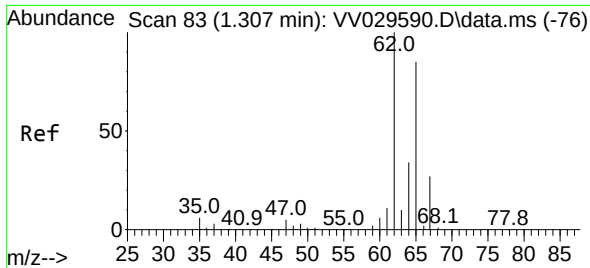
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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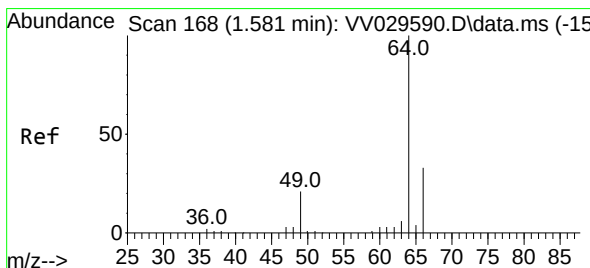
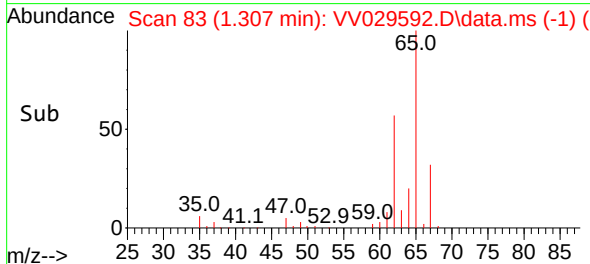
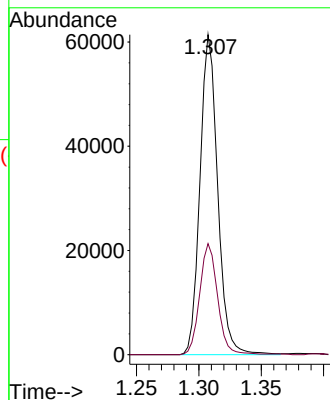
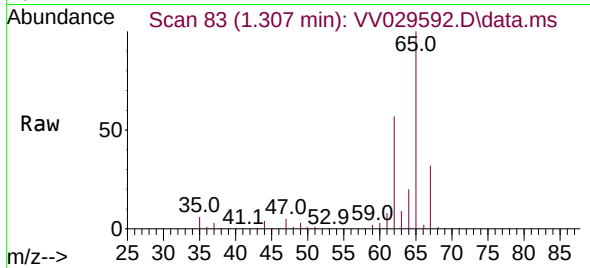




#5
 Vinyl chloride
 Concen: 15.254 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV029592.D
 Acq: 12 Dec 2022 13:54

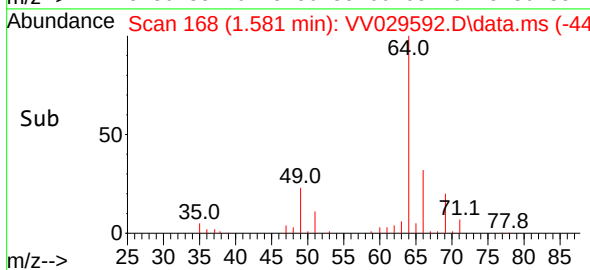
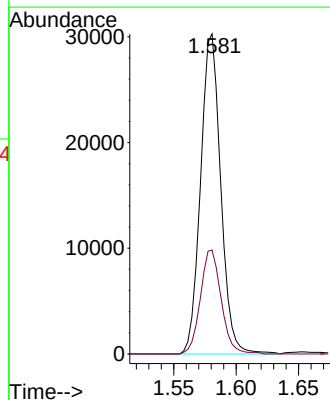
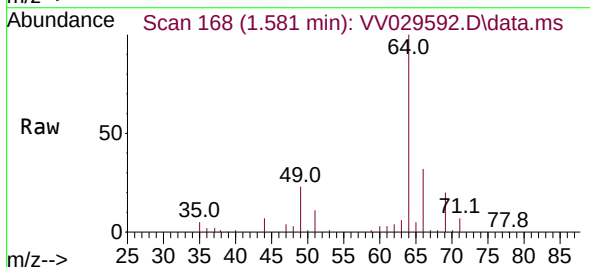
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZB7DL

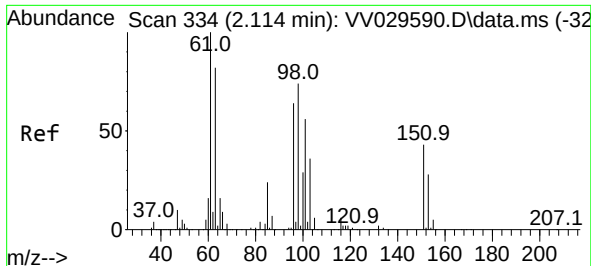
Tgt Ion: 62 Resp: 60650
 Ion Ratio Lower Upper
 62 100
 64 34.7 22.5 41.9



#8
 Chloroethane
 Concen: 15.373 ug/L
 RT: 1.581 min Scan# 168
 Delta R.T. -0.000 min
 Lab File: VV029592.D
 Acq: 12 Dec 2022 13:54

Tgt Ion: 64 Resp: 34035
 Ion Ratio Lower Upper
 64 100
 66 32.5 22.5 41.9





#12

1,1-Dichloroethene

Concen: 1.003 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV029592.D

Acq: 12 Dec 2022 13:54

Instrument :

MSVOA_V

ClientSampleId :

EXZB7DL

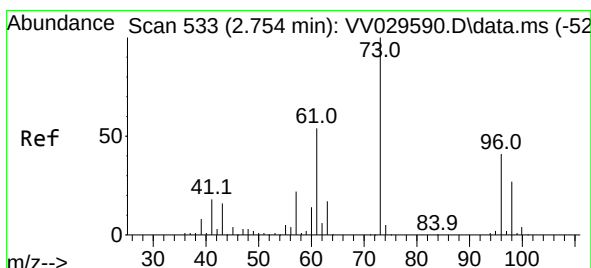
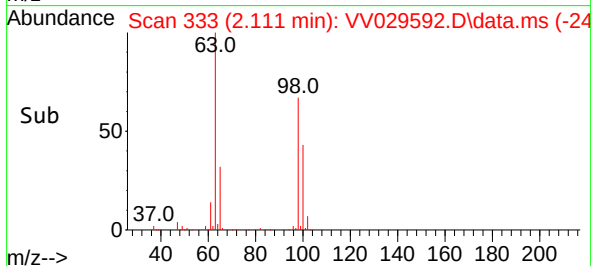
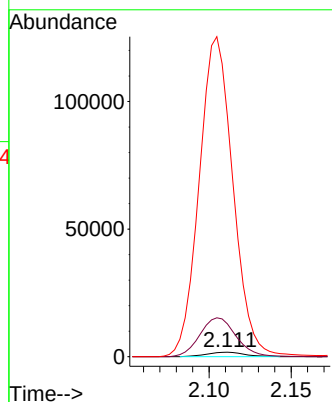
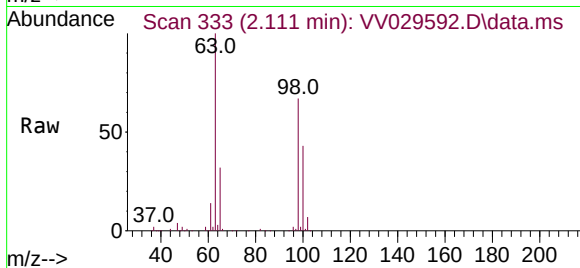
Tgt Ion: 96 Resp: 2837

Ion Ratio Lower Upper

96 100

61 738.6 103.3 191.9#

63 5417.5 77.3 143.7#



#17

trans-1,2-Dichloroethene

Concen: 1.718 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.006 min

Lab File: VV029592.D

Acq: 12 Dec 2022 13:54

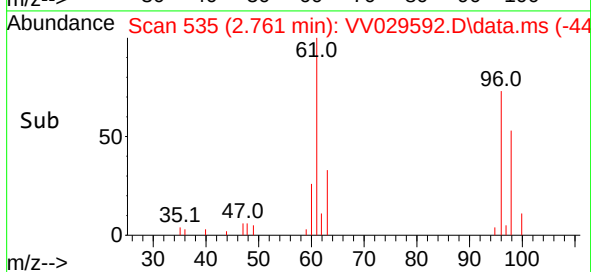
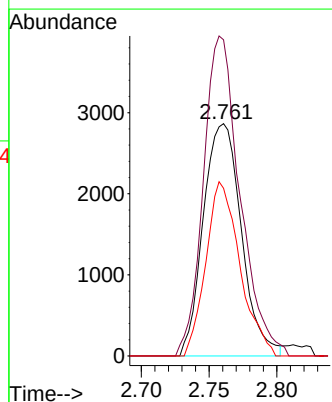
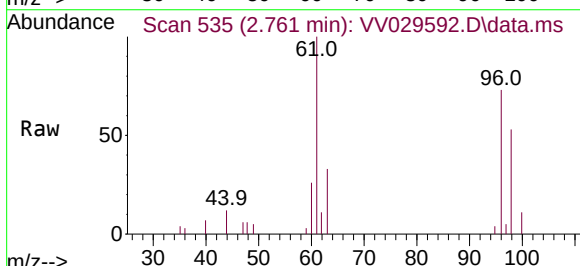
Tgt Ion: 96 Resp: 5600

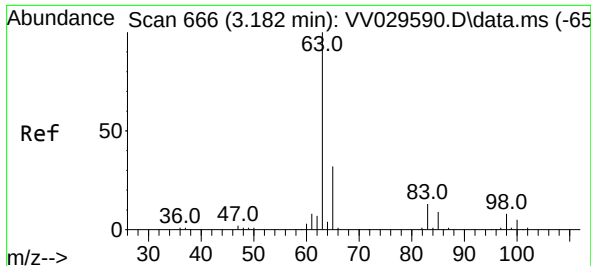
Ion Ratio Lower Upper

96 100

61 136.1 86.4 160.4

98 72.1 43.4 80.6





#19

1,1-Dichloroethane

Concen: 80.759 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV029592.D

Acq: 12 Dec 2022 13:54

Instrument :

MSVOA_V

ClientSampleId :

EXZB7DL

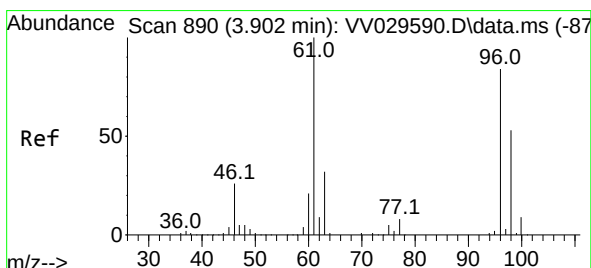
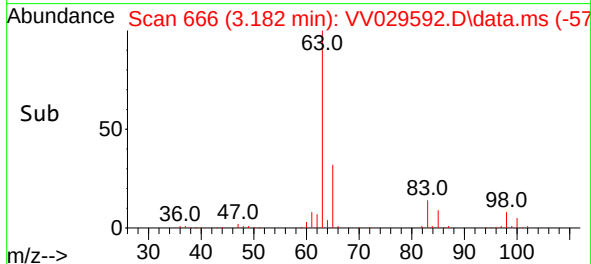
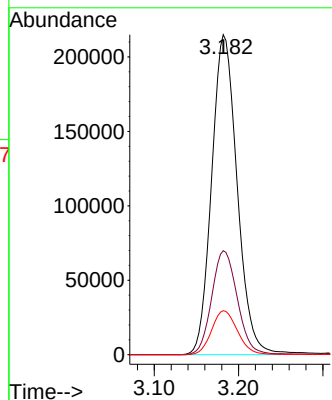
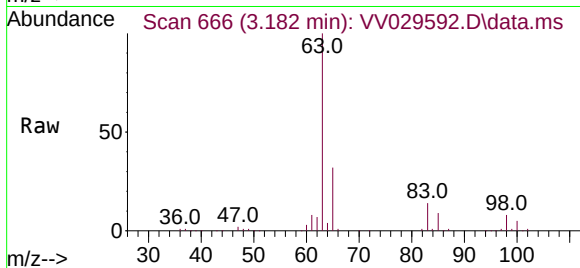
Tgt Ion: 63 Resp: 450897

Ion Ratio Lower Upper

63 100

65 32.5 22.5 41.7

83 13.7 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 77.394 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.000 min

Lab File: VV029592.D

Acq: 12 Dec 2022 13:54

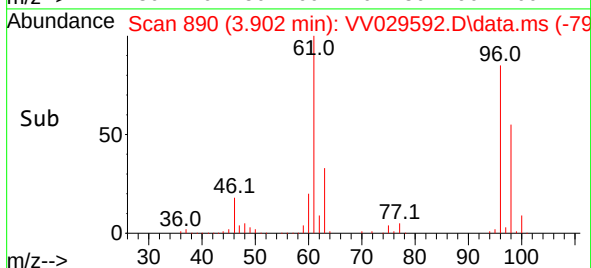
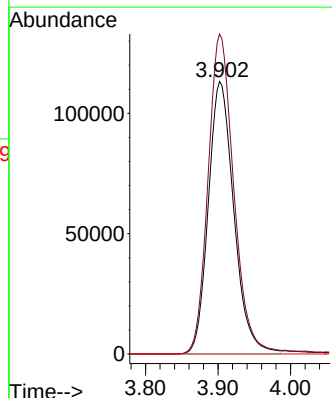
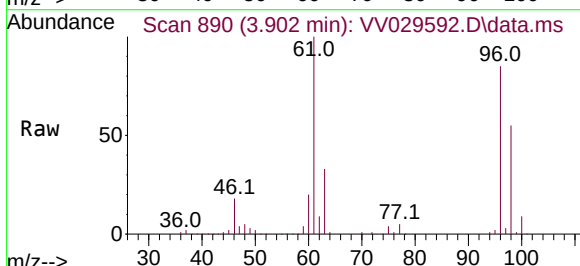
Tgt Ion: 96 Resp: 277360

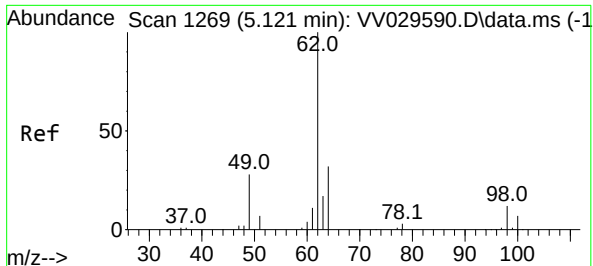
Ion Ratio Lower Upper

96 100

61 117.5 78.0 144.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.701 ug/L

RT: 5.137 min Scan# 1109

Delta R.T. 0.016 min

Lab File: VV029592.D

Acq: 12 Dec 2022 13:54

Instrument :

MSVOA_V

ClientSampleId :

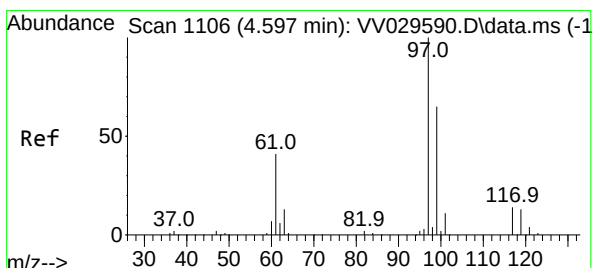
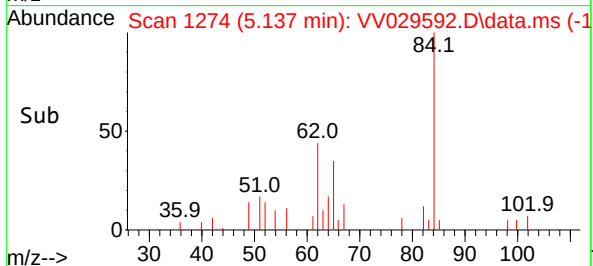
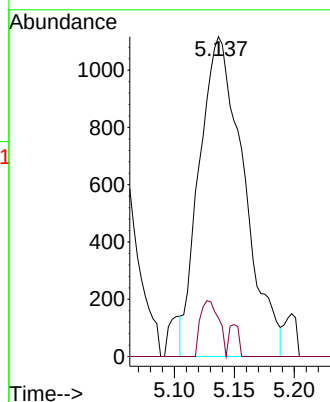
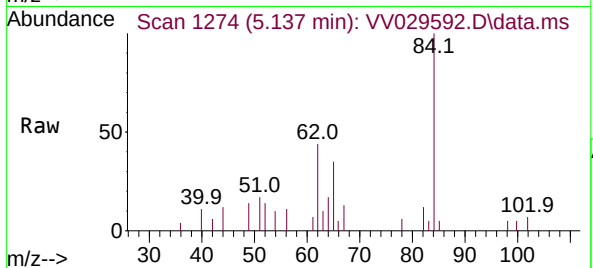
EXZB7DL

Tgt Ion: 62 Resp: 2868

Ion Ratio Lower Upper

62 100

98 12.1 9.4 14.0



#30

1,1,1-Trichloroethane

Concen: 1.500 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.010 min

Lab File: VV029592.D

Acq: 12 Dec 2022 13:54

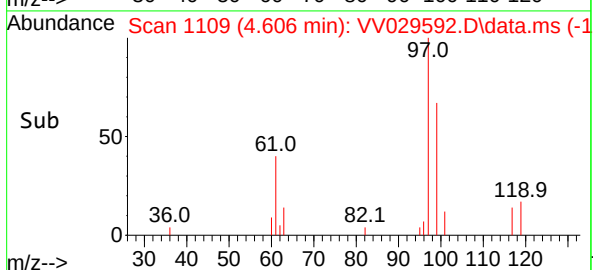
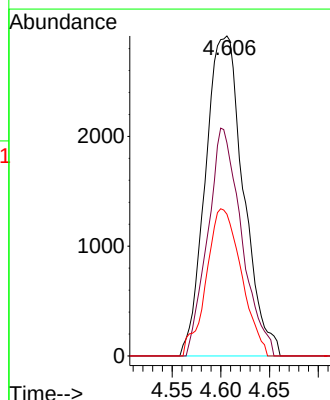
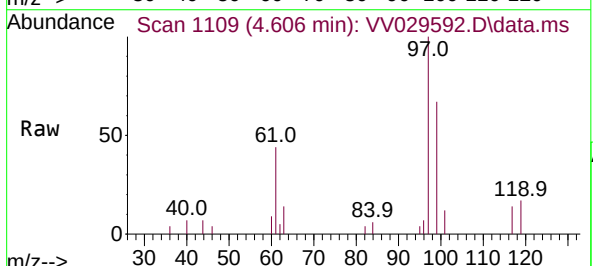
Tgt Ion: 97 Resp: 7896

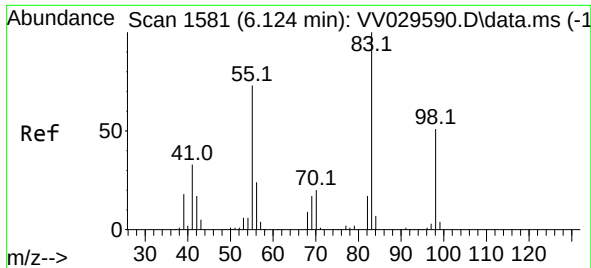
Ion Ratio Lower Upper

97 100

99 63.4 52.1 78.1

61 42.4 31.8 47.8

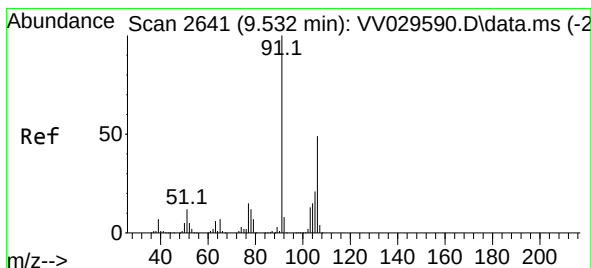
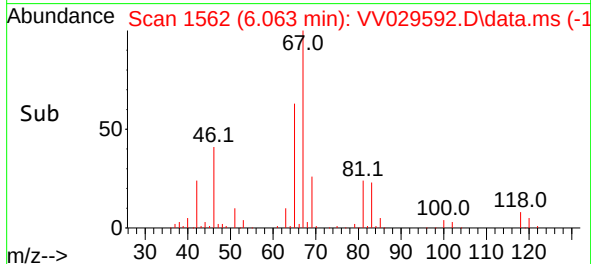
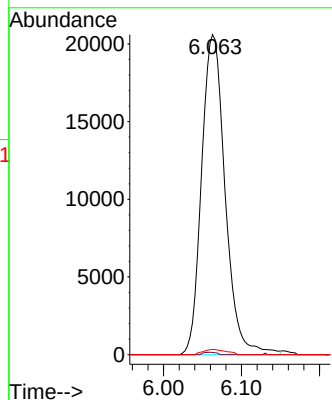
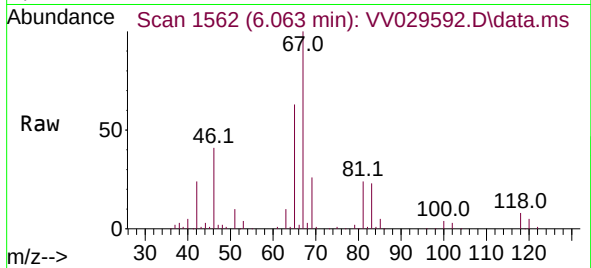




#35
Methylcyclohexane
Concen: 7.465 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV029592.D
Acq: 12 Dec 2022 13:54

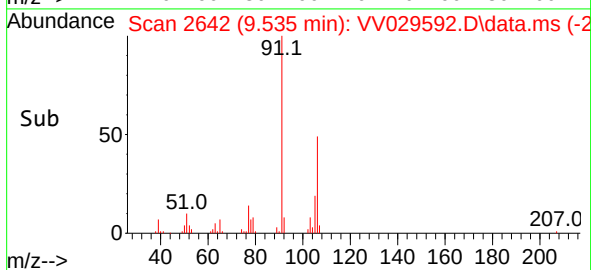
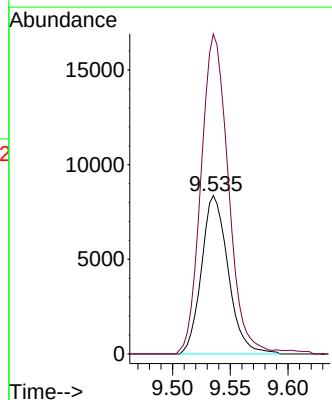
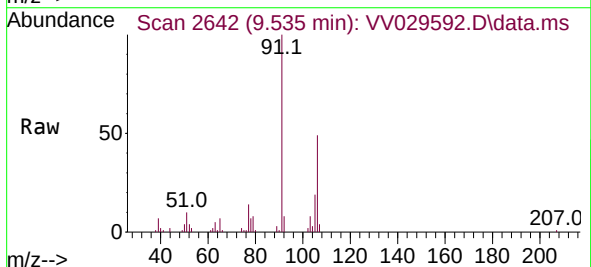
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MSVOA_V
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EXZB7DL

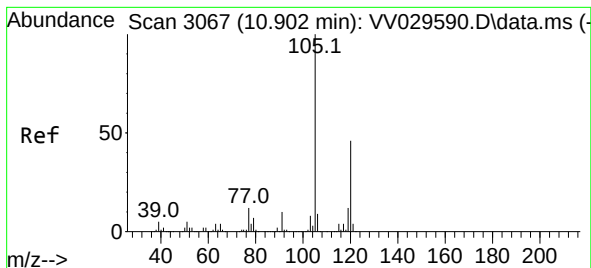
Tgt Ion: 83 Resp: 43280
Ion Ratio Lower Upper
83 100
55 0.4 55.5 83.3#
98 1.6 39.8 59.8#



#54
o-Xylene
Concen: 2.230 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029592.D
Acq: 12 Dec 2022 13:54

Tgt Ion: 106 Resp: 13461
Ion Ratio Lower Upper
106 100
91 202.1 148.0 274.8





#63

1,2,4-Trimethylbenzene

Concen: 2.181 ug/L

RT: 10.905 min Scan# 3067

Delta R.T. 0.003 min

Lab File: VV029592.D

Acq: 12 Dec 2022 13:54

Instrument :

MSVOA_V

ClientSampleId :

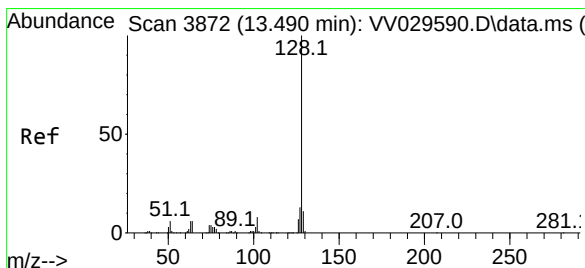
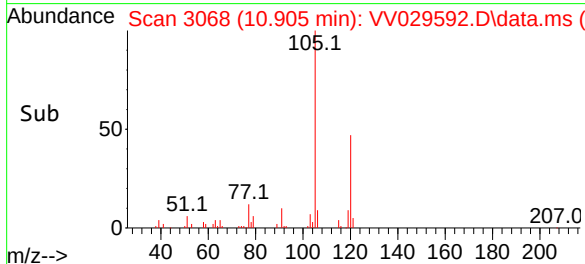
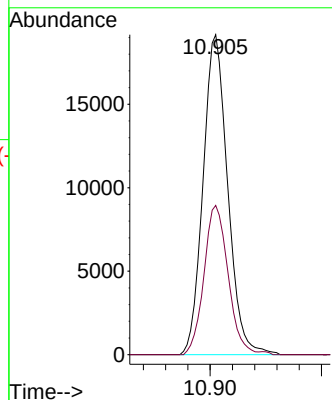
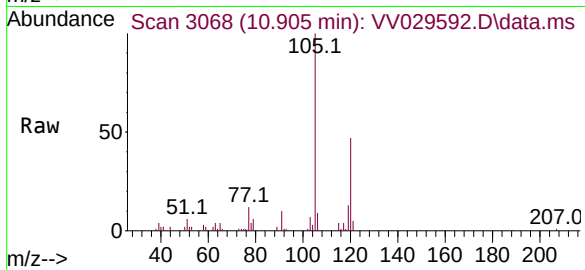
EXZB7DL

Tgt Ion:105 Resp: 29440

Ion Ratio Lower Upper

105 100

120 45.6 36.7 55.1



#71

Naphthalene

Concen: 2.025 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. 0.003 min

Lab File: VV029592.D

Acq: 12 Dec 2022 13:54

Tgt Ion:128 Resp: 24480

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.0 8.5 12.7

