

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101722\
 Data File : VW028588.D
 Acq On : 17 Oct 2022 14:57
 Operator : SY/MD
 Sample : N5109-02DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ05DL

Quant Time: Oct 18 01:23:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 18 01:19:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	197910	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	190100	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	95832	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	78910	4.633	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.600%
7) Chloroethane-d5	1.565	69	73056	5.217	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.400%
11) 1,1-Dichloroethene-d2	2.105	63	113708	3.686	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.800%
20) 2-Butanone-d5	3.899	46	126118	34.443	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.880%
24) Chloroform-d	4.343	84	134171	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.031	65	71879	5.288	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	5.047	84	272259	4.436	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	6.066	67	91783	4.634	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.310	98	228355	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	7.622	79	28069	4.194	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.088	63	158449	54.860	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.720%
56) 1,1,2,2-Tetrachloroeth...	10.211	84	63610	5.392	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	82822	5.237	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	79689	4.373	ug/L	98
12) 1,1-Dichloroethene	2.114	96	3999	0.325	ug/L #	1
19) 1,1-Dichloroethane	3.185	63	82448	2.855	ug/L	98
22) cis-1,2-Dichloroethene	3.909	96	58836	4.055	ug/L #	96
29) 1,1,1-Trichloroethane	4.603	97	125934	4.793	ug/L	97
30) Cyclohexane	4.671	56	144740	4.771	ug/L	96
42) Toluene	7.381	91	730226	11.586	ug/L	99
51) Chlorobenzene	8.876	112	165188	4.228	ug/L	99
52) Ethylbenzene	9.008	91	152163	2.173	ug/L	97
53) m,p-Xylene	9.133	106	100239	3.828	ug/L	97
54) o-Xylene	9.539	106	52716	2.077	ug/L	97
60) Isopropylbenzene	9.924	105	48984	0.700	ug/L	99
62) 1,3,5-Trimethylbenzene	10.532	105	137123	6.516	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	573738	9.971	ug/L	99
64) 1,3-Dichlorobenzene	11.175	146	22755	0.771	ug/L	96
65) 1,4-Dichlorobenzene	11.265	146	47862	1.655	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	15007	0.567	ug/L	98
70) 1,2,4-trichlorobenzene	13.255	180	4592	0.279	ug/L	89
72) 1,2,3-Trichlorobenzene	13.734	180	1234	0.091	ug/L #	91

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QLast Update : Tue Oct 18 01:19:01 2022
Response via : Initial Calibration

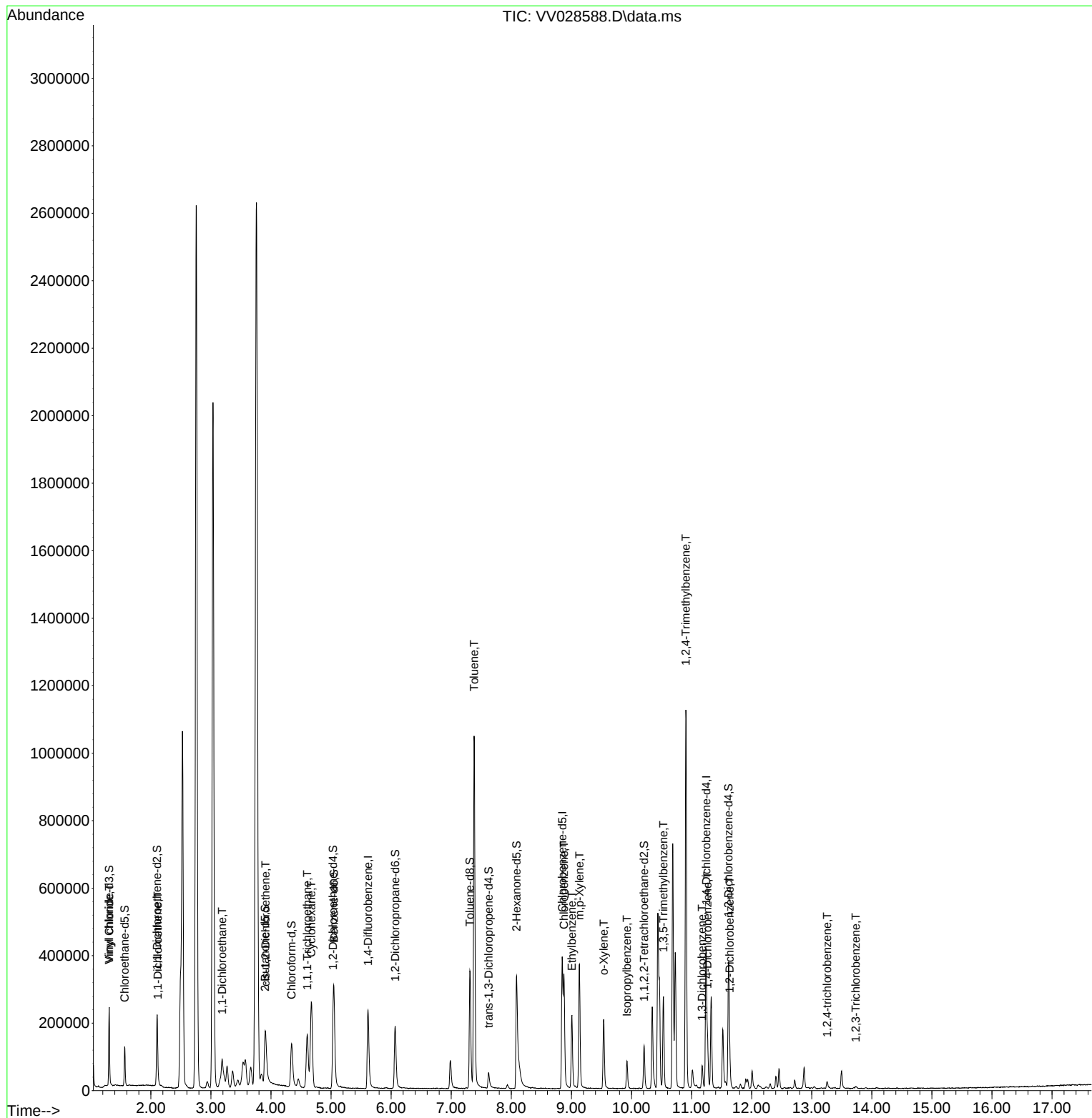
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

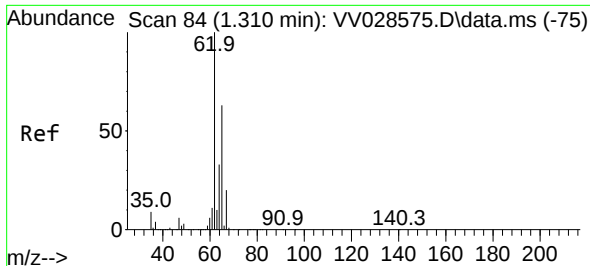
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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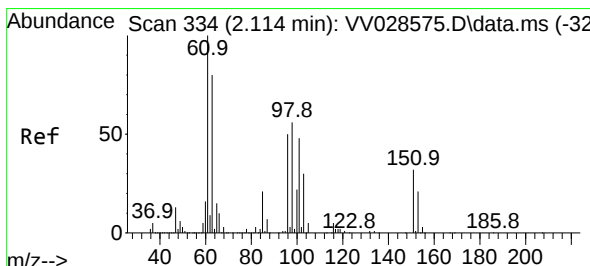
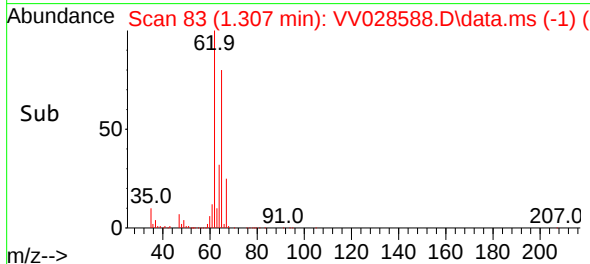
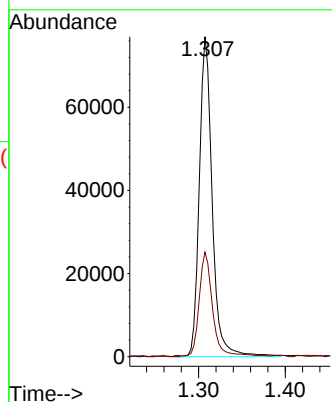
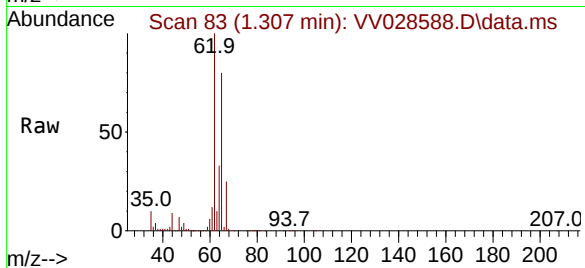




#5
 Vinyl chloride
 Concen: 4.373 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV028588.D
 Acq: 17 Oct 2022 14:57

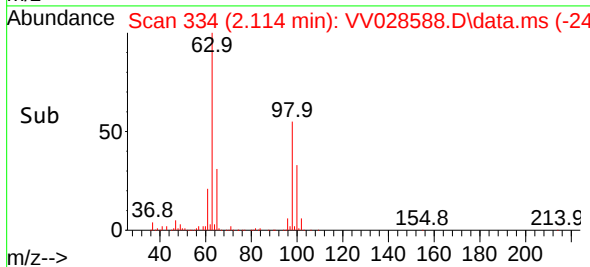
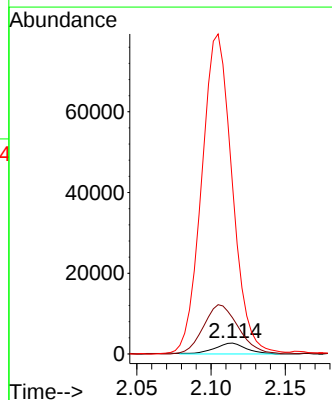
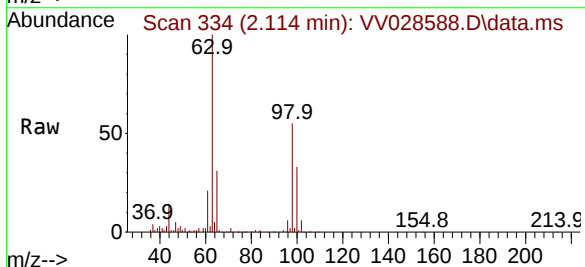
Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ05DL

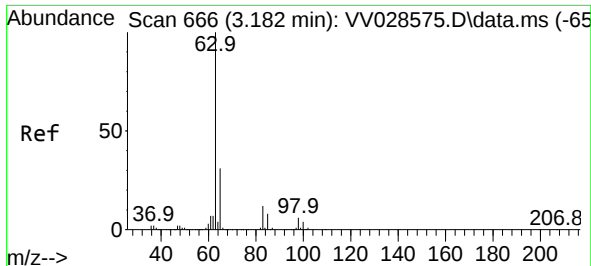
Tgt Ion: 62 Resp: 79689
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.7 44.1



#12
 1,1-Dichloroethene
 Concen: 0.325 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028588.D
 Acq: 17 Oct 2022 14:57

Tgt Ion: 96 Resp: 3999
 Ion Ratio Lower Upper
 96 100
 61 332.5 142.9 265.5#
 63 1553.4 102.3 190.1#





#19

1,1-Dichloroethane

Concen: 2.855 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028588.D

Acq: 17 Oct 2022 14:57

Instrument :

MSVOA_V

ClientSampleId :

BFZ05DL

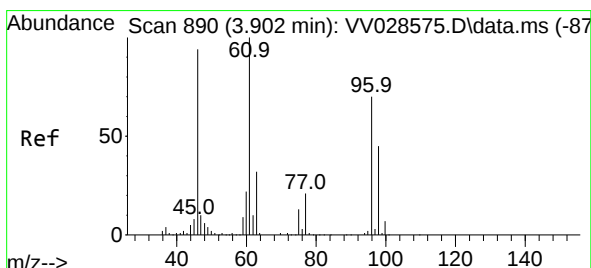
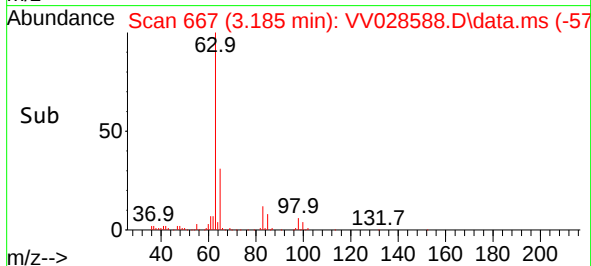
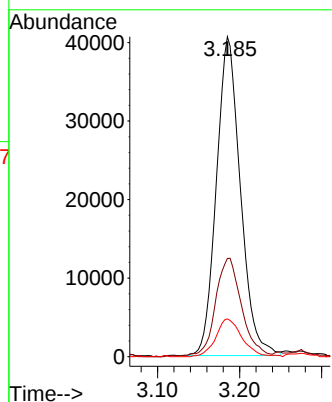
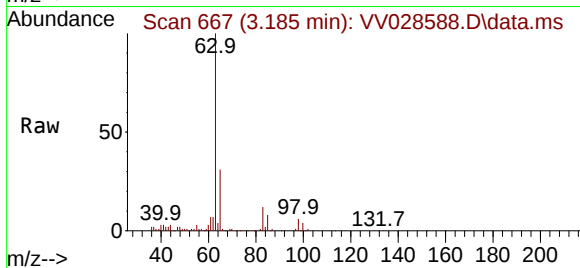
Tgt Ion: 63 Resp: 82448

Ion Ratio Lower Upper

63 100

65 30.7 22.3 41.5

83 11.8 8.5 15.7



#22

cis-1,2-Dichloroethene

Concen: 4.055 ug/L

RT: 3.909 min Scan# 892

Delta R.T. 0.007 min

Lab File: VV028588.D

Acq: 17 Oct 2022 14:57

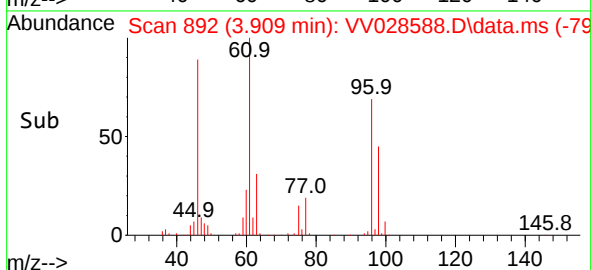
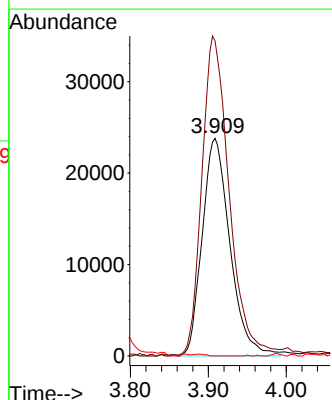
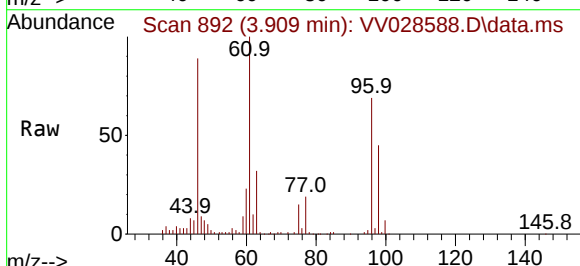
Tgt Ion: 96 Resp: 58836

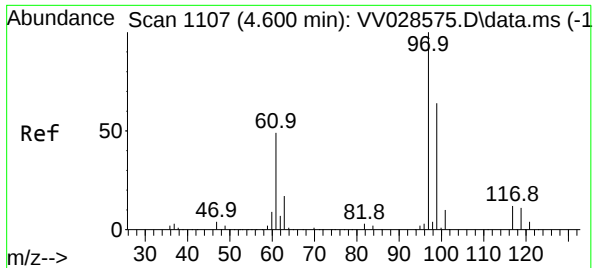
Ion Ratio Lower Upper

96 100

61 144.7 105.1 195.3

68 0.0 0.5 0.9#





#29

1,1,1-Trichloroethane

Concen: 4.793 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV028588.D

Acq: 17 Oct 2022 14:57

Instrument :

MSVOA_V

ClientSampleId :

BFZ05DL

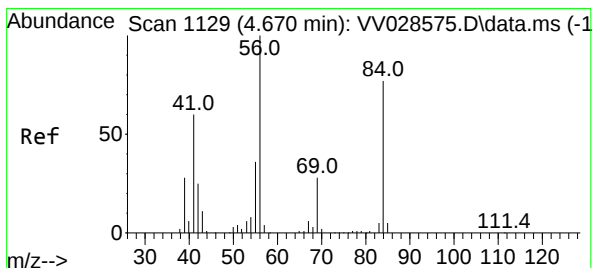
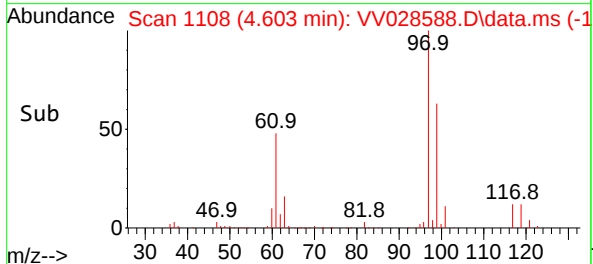
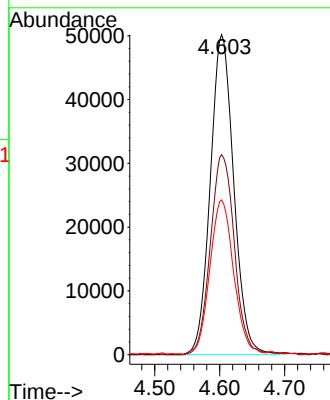
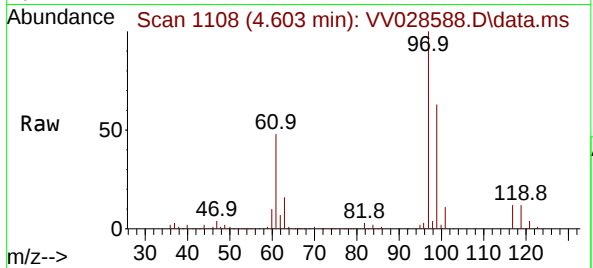
Tgt Ion: 97 Resp: 125934

Ion Ratio Lower Upper

97 100

99 64.1 52.6 78.8

61 49.4 42.1 63.1



#30

Cyclohexane

Concen: 4.771 ug/L

RT: 4.671 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV028588.D

Acq: 17 Oct 2022 14:57

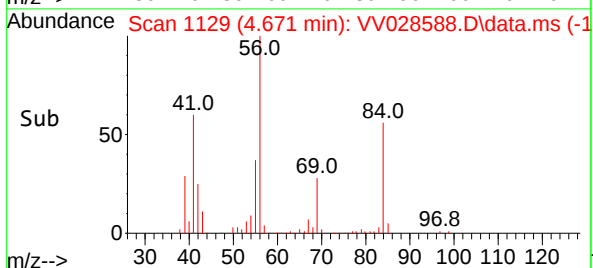
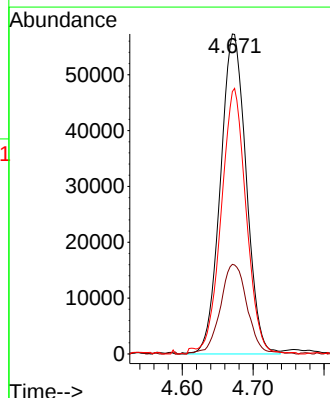
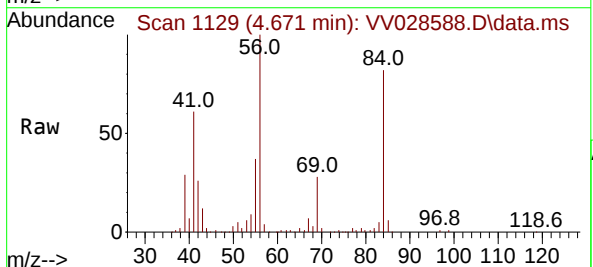
Tgt Ion: 56 Resp: 144740

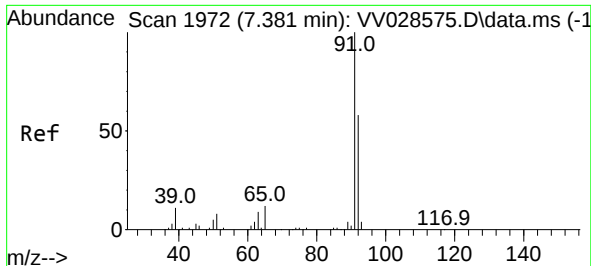
Ion Ratio Lower Upper

56 100

69 29.1 22.4 33.6

84 78.9 60.1 90.1





#42

Toluene

Concen: 11.586 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VV028588.D

Acq: 17 Oct 2022 14:57

Instrument :

MSVOA_V

ClientSampleId :

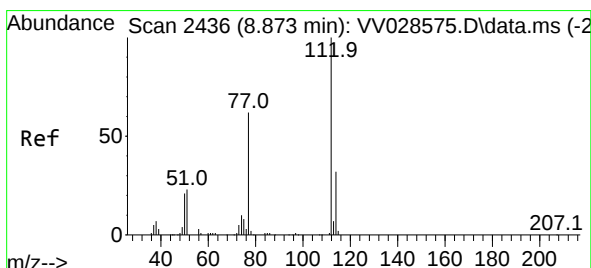
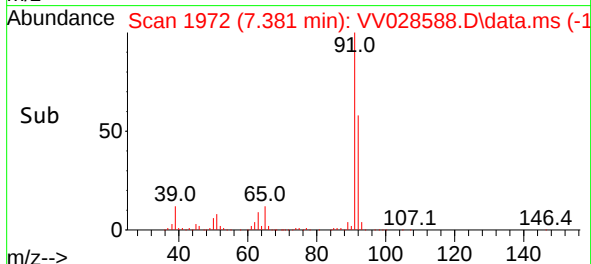
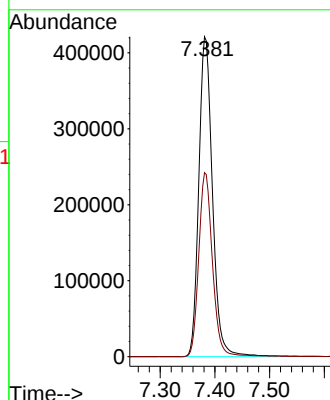
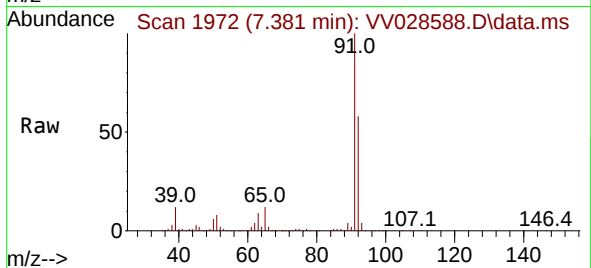
BFZ05DL

Tgt Ion: 91 Resp: 730226

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.5



#51

Chlorobenzene

Concen: 4.228 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.003 min

Lab File: VV028588.D

Acq: 17 Oct 2022 14:57

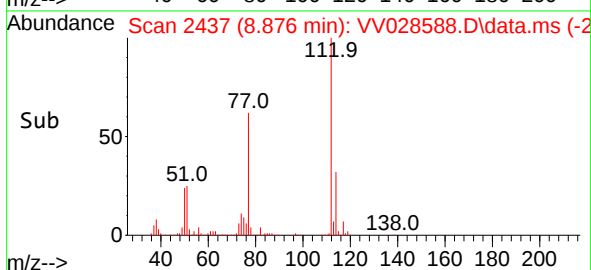
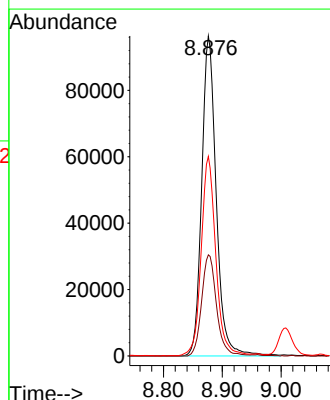
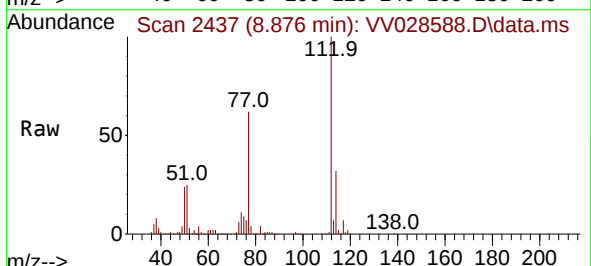
Tgt Ion: 112 Resp: 165188

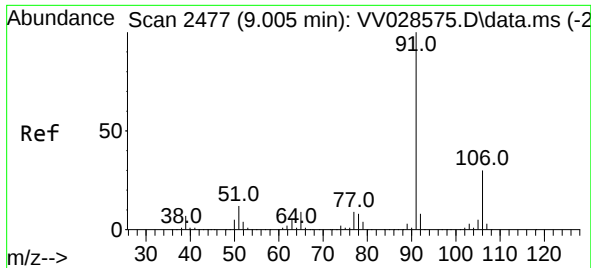
Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 62.3 50.2 75.2

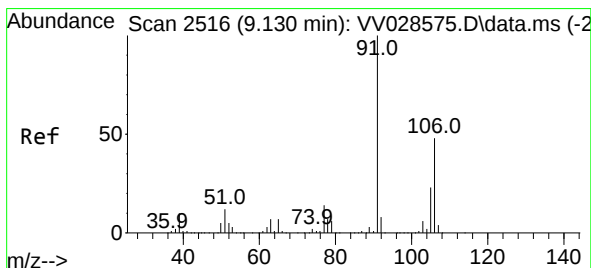
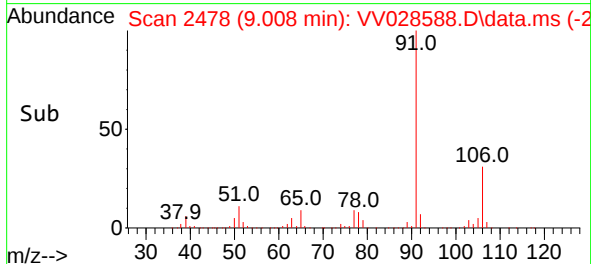
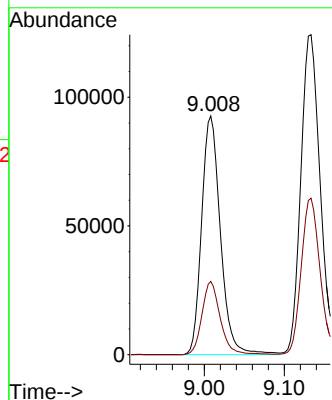
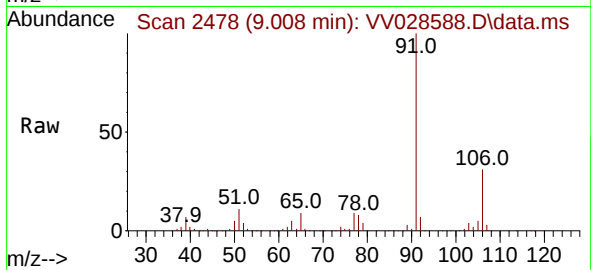




#52
Ethylbenzene
Concen: 2.173 ug/L
RT: 9.008 min Scan# 2477
Delta R.T. 0.003 min
Lab File: VV028588.D
Acq: 17 Oct 2022 14:57

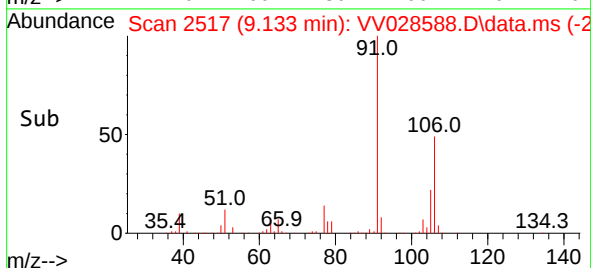
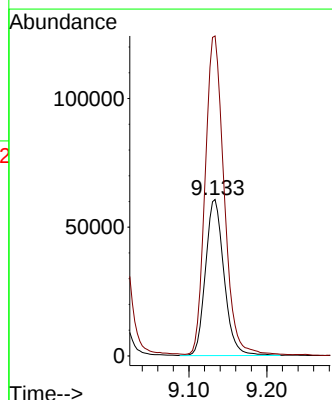
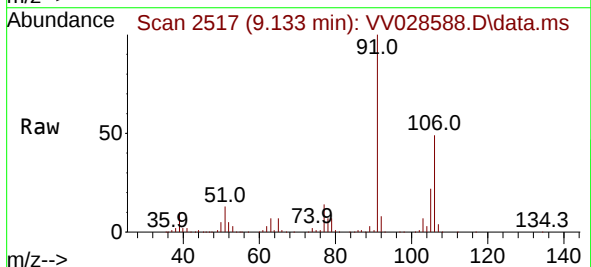
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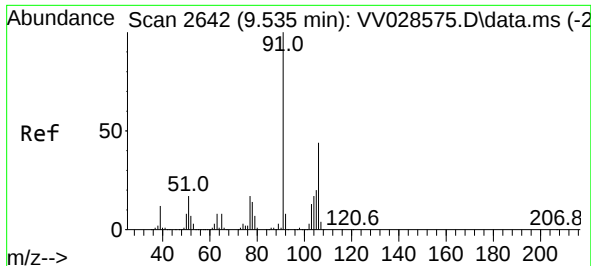
Tgt Ion: 91 Resp: 152163
Ion Ratio Lower Upper
91 100
106 30.7 20.3 37.7



#53
m,p-Xylene
Concen: 3.828 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VV028588.D
Acq: 17 Oct 2022 14:57

Tgt Ion: 106 Resp: 100239
Ion Ratio Lower Upper
106 100
91 204.5 146.9 272.9

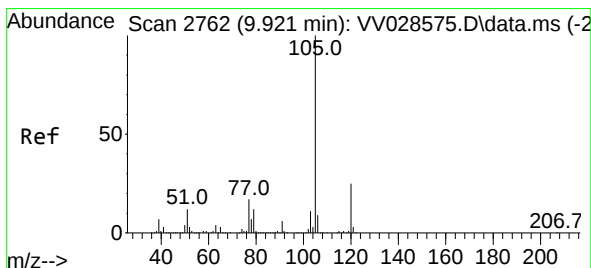
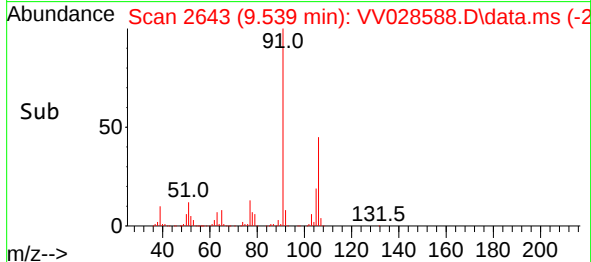
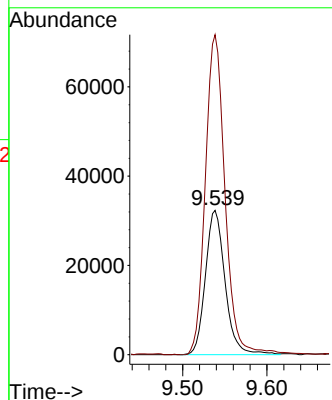
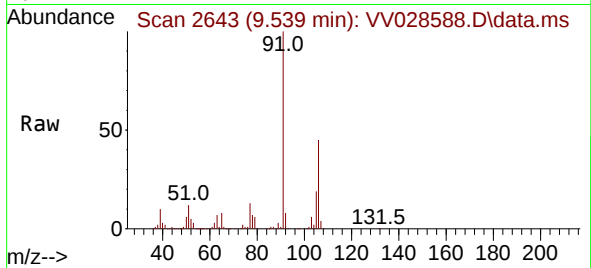




#54
o-Xylene
Concen: 2.077 ug/L
RT: 9.539 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV028588.D
Acq: 17 Oct 2022 14:57

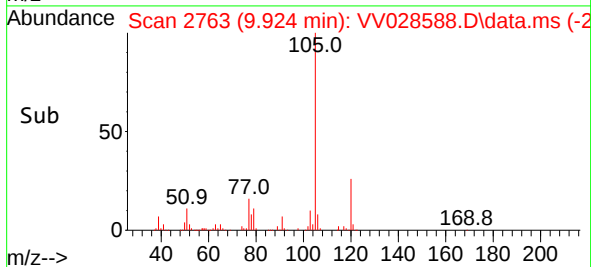
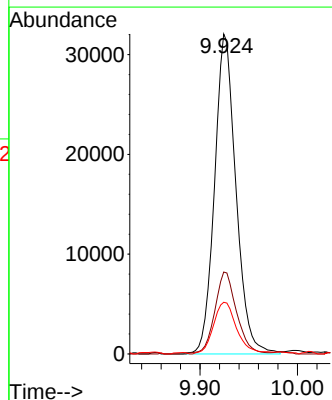
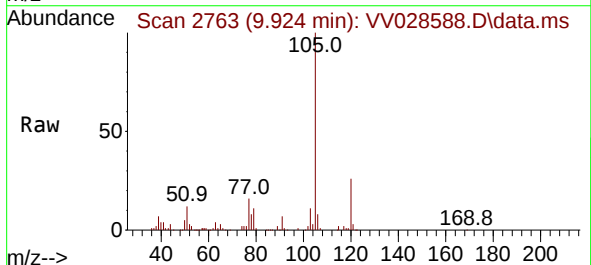
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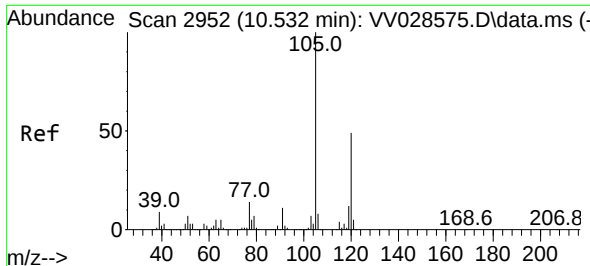
Tgt Ion:106 Resp: 52716
Ion Ratio Lower Upper
106 100
91 221.7 151.4 281.2



#60
Isopropylbenzene
Concen: 0.700 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. 0.003 min
Lab File: VV028588.D
Acq: 17 Oct 2022 14:57

Tgt Ion:105 Resp: 48984
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1
77 17.7 13.1 19.7

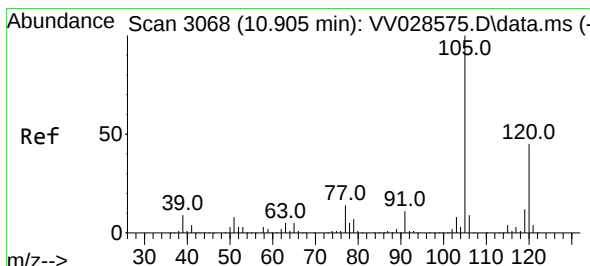
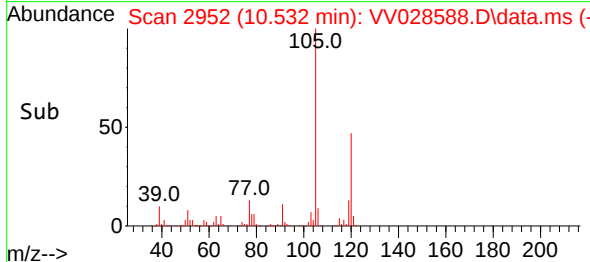
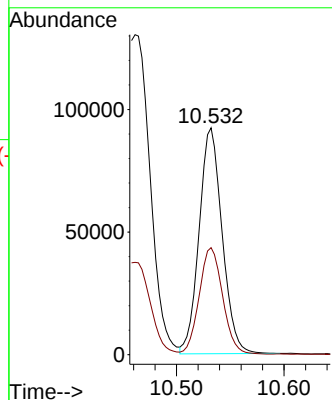
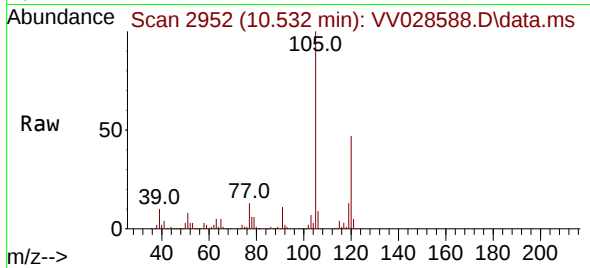




#62
1,3,5-Trimethylbenzene
Concen: 6.516 ug/L
RT: 10.532 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VV028588.D
Acq: 17 Oct 2022 14:57

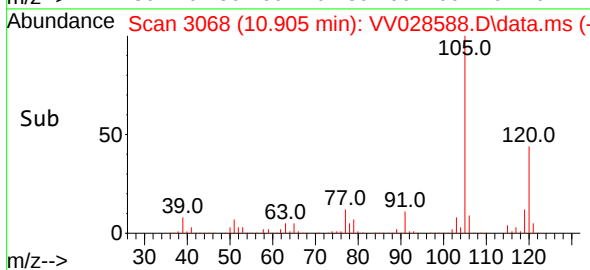
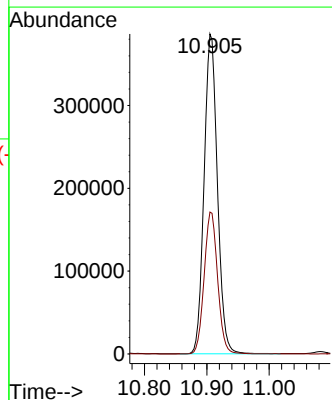
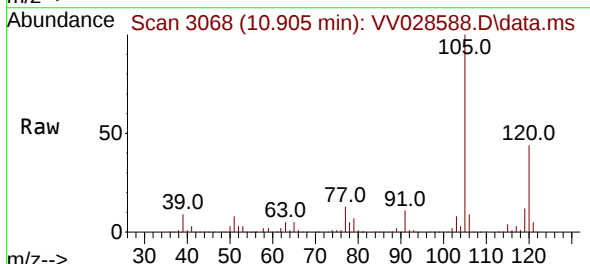
Instrument :
MSVOA_V
ClientSampleId :
BFZ05DL

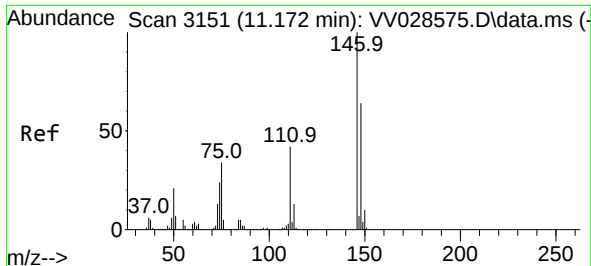
Tgt Ion:105 Resp: 137123
Ion Ratio Lower Upper
105 100
120 47.8 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 9.971 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. 0.000 min
Lab File: VV028588.D
Acq: 17 Oct 2022 14:57

Tgt Ion:105 Resp: 573738
Ion Ratio Lower Upper
105 100
120 44.9 35.6 53.4

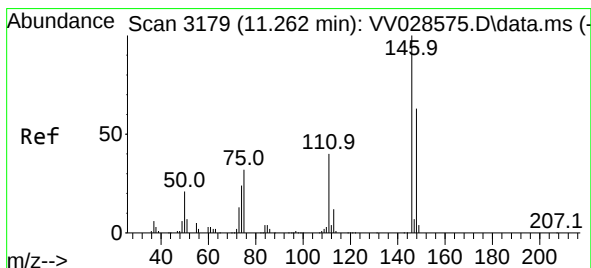
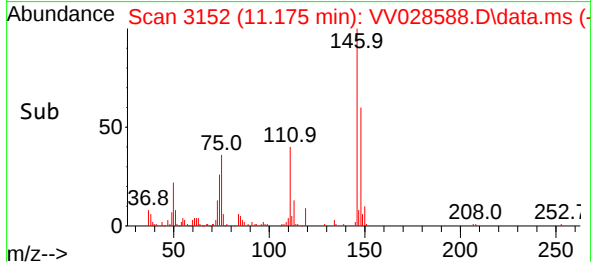
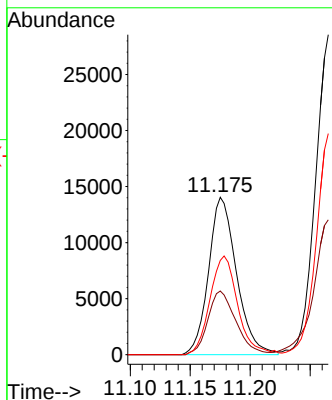
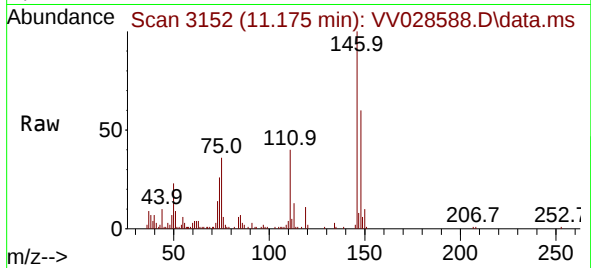




#64
 1,3-Dichlorobenzene
 Concen: 0.771 ug/L
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV028588.D
 Acq: 17 Oct 2022 14:57

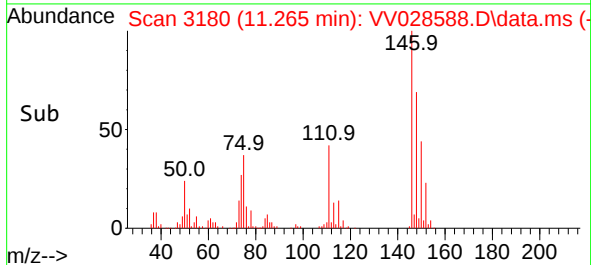
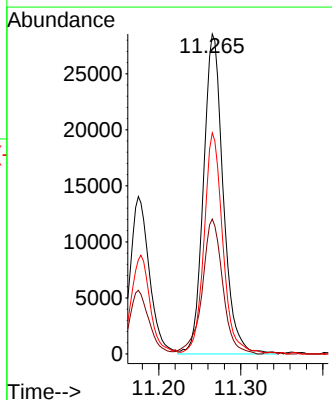
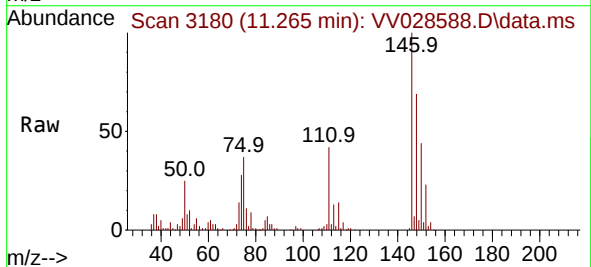
Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ05DL

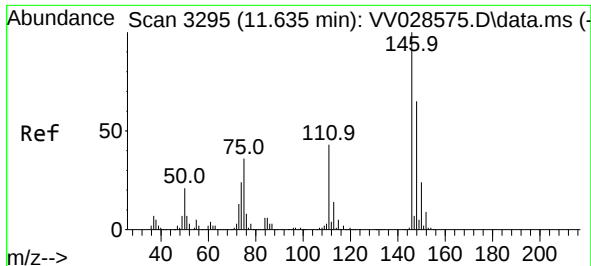
Tgt Ion:146 Resp: 22755
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.5 52.9
 148 59.9 45.1 83.9



#65
 1,4-Dichlorobenzene
 Concen: 1.655 ug/L
 RT: 11.265 min Scan# 3180
 Delta R.T. 0.003 min
 Lab File: VV028588.D
 Acq: 17 Oct 2022 14:57

Tgt Ion:146 Resp: 47862
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.4 54.6
 148 69.1 45.9 85.3

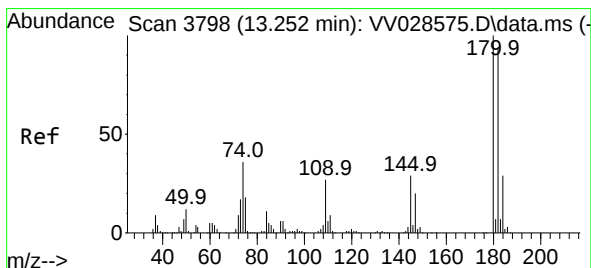
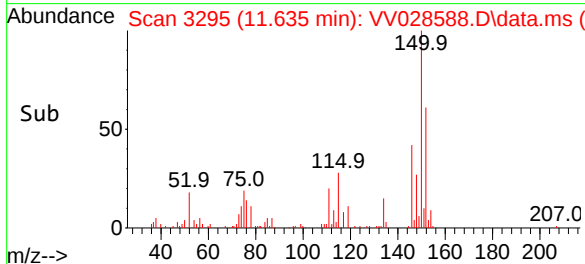
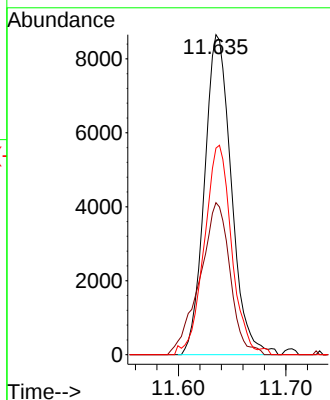
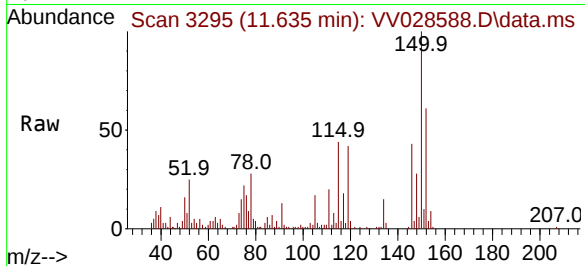




#67
1,2-Dichlorobenzene
Concen: 0.567 ug/L
RT: 11.635 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV028588.D
Acq: 17 Oct 2022 14:57

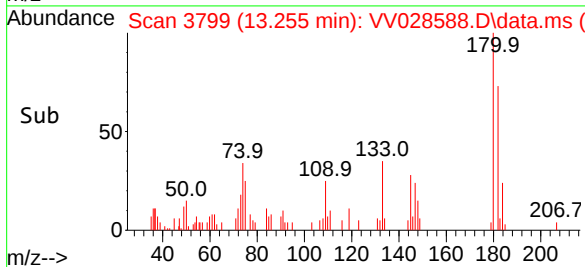
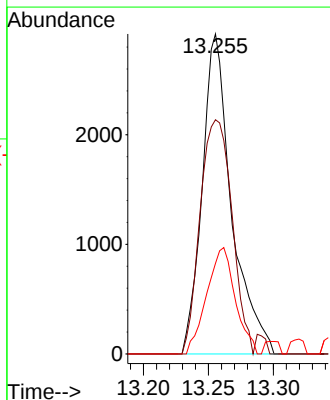
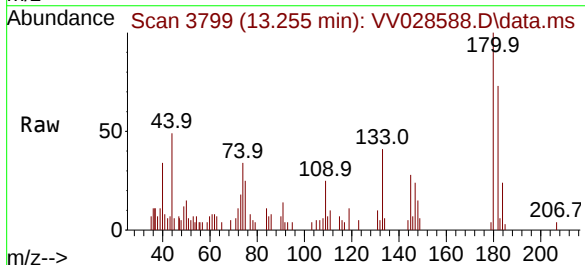
Instrument :
MSVOA_V
ClientSampleId :
BFZ05DL

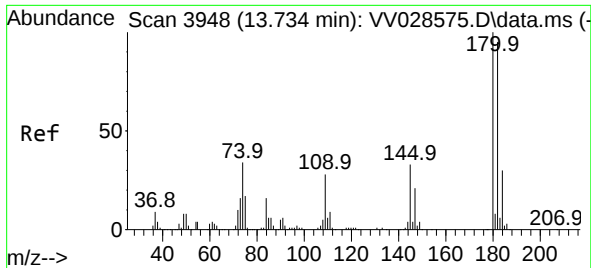
Tgt Ion:146 Resp: 15007
Ion Ratio Lower Upper
146 100
111 47.5 35.7 53.5
148 64.6 51.0 76.6



#70
1,2,4-trichlorobenzene
Concen: 0.279 ug/L
RT: 13.255 min Scan# 3799
Delta R.T. 0.003 min
Lab File: VV028588.D
Acq: 17 Oct 2022 14:57

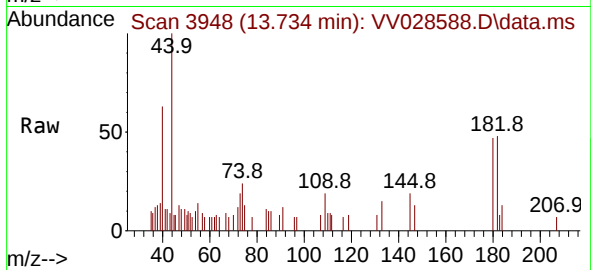
Tgt Ion:180 Resp: 4592
Ion Ratio Lower Upper
180 100
182 79.4 74.2 111.2
145 32.3 25.3 37.9





#72
 1,2,3-Trichlorobenzene
 Concen: 0.091 ug/L
 RT: 13.734 min Scan# 3948
 Delta R.T. 0.000 min
 Lab File: VV028588.D
 Acq: 17 Oct 2022 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ05DL



Tgt Ion:	180	Resp:	1234
Ion	Ratio	Lower	Upper
180	100		
182	101.1	76.3	114.5
145	42.1	25.8	38.8#

