

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061623\
 Data File : VW031572.D
 Acq On : 16 Jun 2023 13:37
 Operator : SY/MD
 Sample : 03249-02DL 20X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS4DL

Quant Time: Jun 17 02:28:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 17 02:08:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	223368	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	226611	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	131331	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	49728	33.451	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.900%
7) Chloroethane-d5	1.536	69	49166	37.904	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.066	65	27747	36.216	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.440%
21) 2-Butanone-d5	3.799	46	99496	82.656	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.660%
24) Chloroform-d	4.259	84	144264	38.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.500%
26) 1,2-Dichloroethane-d4	4.950	65	98988	42.495	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.000%
32) Benzene-d6	4.970	84	252514	39.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.180%
36) 1,2-Dichloropropane-d6	5.995	67	94605	41.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.700%
41) Toluene-d8	7.249	98	215111	36.750	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.500%#
43) trans-1,3-Dichloroprop...	7.558	79	41783	37.912	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.820%
47) 2-Hexanone-d5	8.031	63	75600	84.694	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.690%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	142866	41.866	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.740%
66) 1,2-Dichlorobenzene-d4	11.567	152	112289	44.855	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.700%

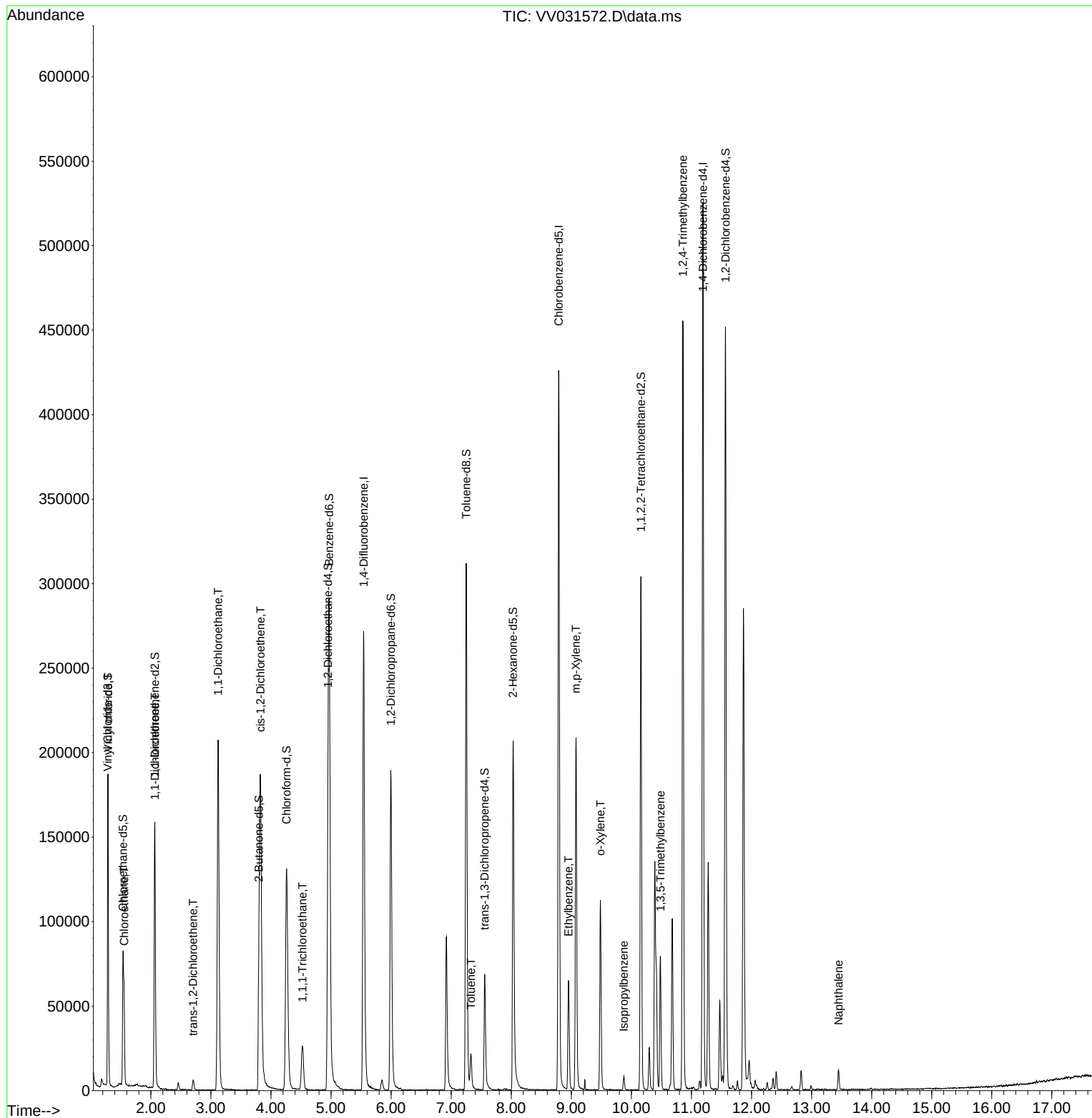
Target Compounds						Qvalue
5) Vinyl chloride	1.288	62	74673	33.694	ug/L	99
8) Chloroethane	1.555	64	27172	18.983	ug/L	99
12) 1,1-Dichloroethene	2.069	96	1622	0.981	ug/L #	1
17) trans-1,2-Dichloroethene	2.703	96	2375	1.377	ug/L	94
19) 1,1-Dichloroethane	3.121	63	213088	57.228	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	87057	46.694	ug/L	97
30) 1,1,1-Trichloroethane	4.526	97	23222	6.392	ug/L	97
42) Toluene	7.330	91	15331	1.960	ug/L	95
52) Ethylbenzene	8.953	91	44182	5.062	ug/L	99
53) m,p-Xylene	9.079	106	53589	16.765	ug/L	92
54) o-Xylene	9.484	106	26810	8.838	ug/L	98
60) Isopropylbenzene	9.876	105	5126	0.612	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	42693	6.170	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	239421	37.133	ug/L	99
71) Naphthalene	13.448	128	9089	1.280	ug/L	98

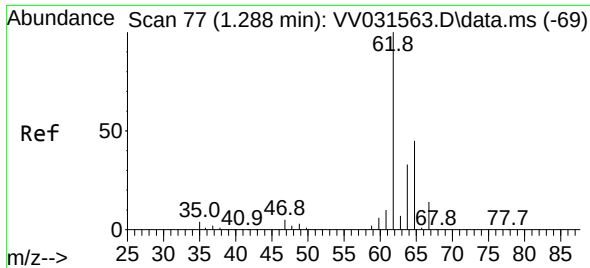
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061623\
Data File : VV031572.D
Acq On : 16 Jun 2023 13:37
Operator : SY/MD
Sample : 03249-02DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXYS4DL

Quant Time: Jun 17 02:28:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 17 02:08:04 2023
Response via : Initial Calibration

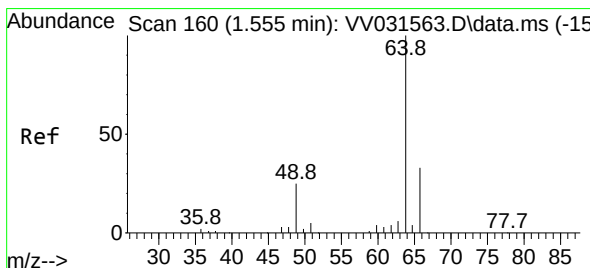
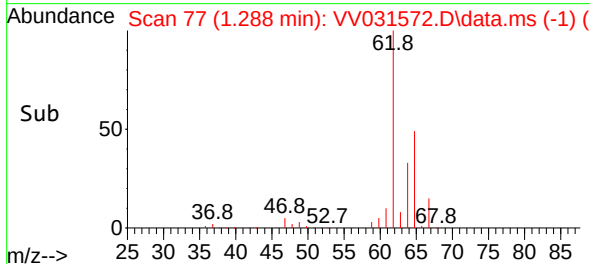
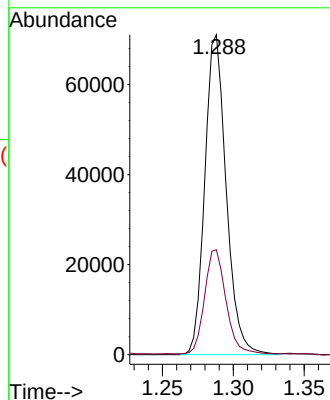
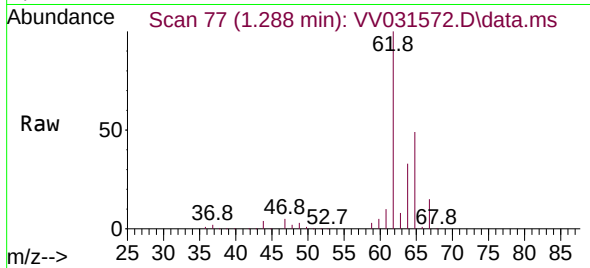




#5
 Vinyl chloride
 Concen: 33.694 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031572.D
 Acq: 16 Jun 2023 13:37

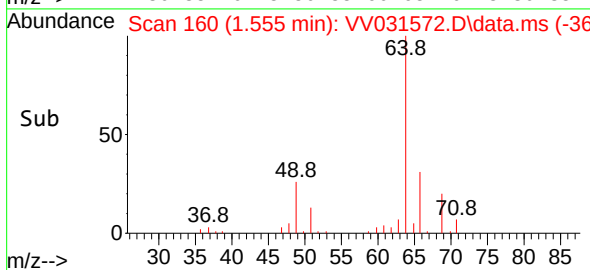
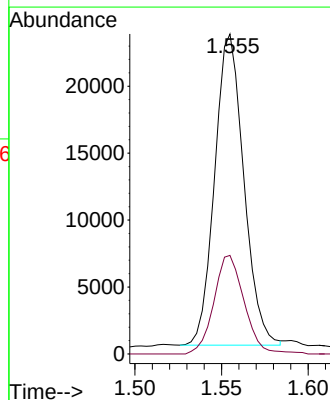
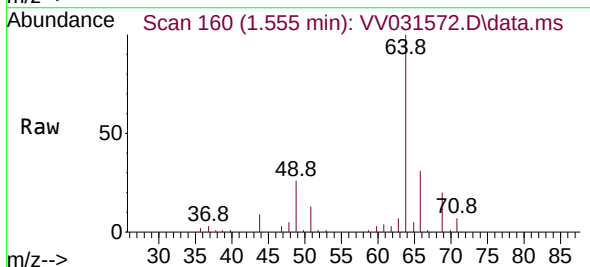
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS4DL

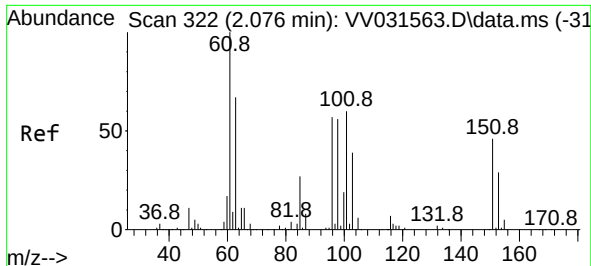
Tgt Ion: 62 Resp: 74673
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.4 43.4



#8
 Chloroethane
 Concen: 18.983 ug/L
 RT: 1.555 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VV031572.D
 Acq: 16 Jun 2023 13:37

Tgt Ion: 64 Resp: 27172
 Ion Ratio Lower Upper
 64 100
 66 30.8 21.0 39.0

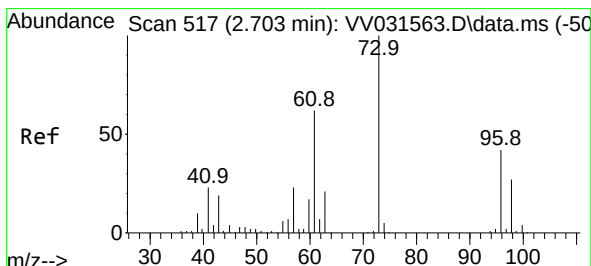
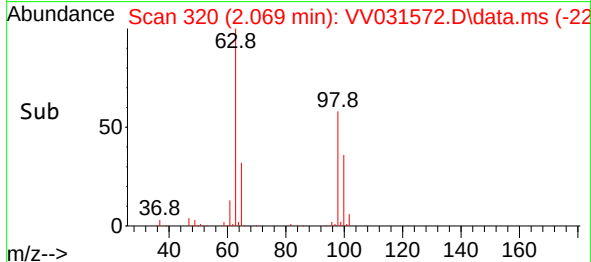
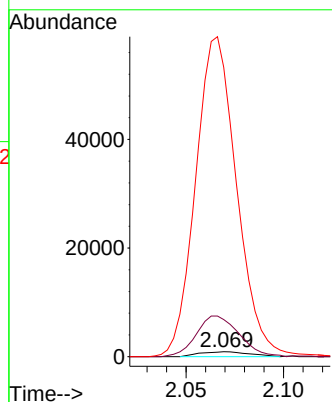
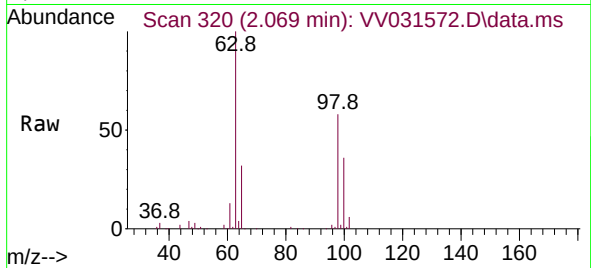




#12
1,1-Dichloroethene
Concen: 0.981 ug/L
RT: 2.069 min Scan# 312
Delta R.T. -0.006 min
Lab File: VV031572.D
Acq: 16 Jun 2023 13:37

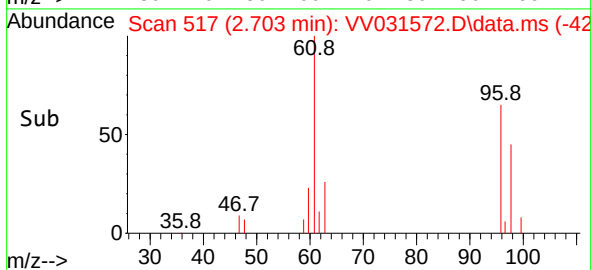
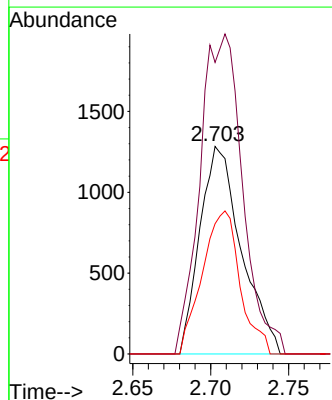
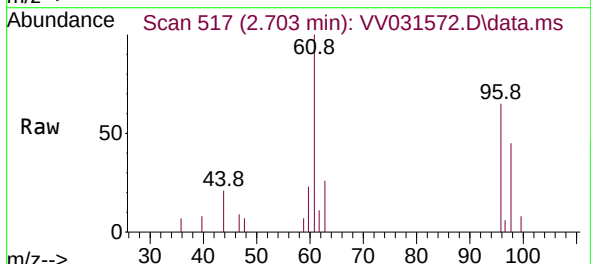
Instrument :
MSVOA_V
ClientSampleId :
EXYS4DL

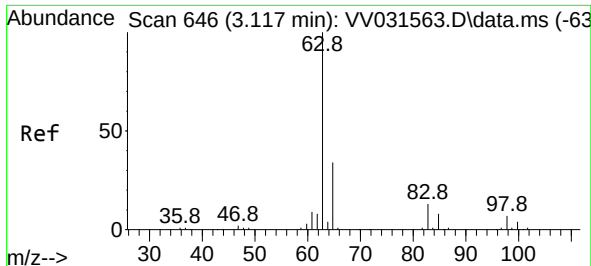
Tgt Ion: 96 Resp: 1622
Ion Ratio Lower Upper
96 100
61 752.8 128.9 239.5#
63 5864.0 95.3 177.1#



#17
trans-1,2-Dichloroethene
Concen: 1.377 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV031572.D
Acq: 16 Jun 2023 13:37

Tgt Ion: 96 Resp: 2375
Ion Ratio Lower Upper
96 100
61 156.2 102.5 190.3
98 62.8 44.1 81.9





#19

1,1-Dichloroethane

Concen: 57.228 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031572.D

Acq: 16 Jun 2023 13:37

Instrument :

MSVOA_V

ClientSampleId :

EXYS4DL

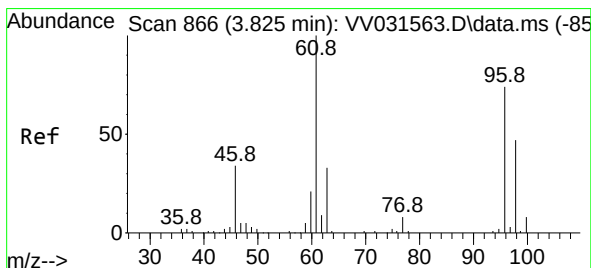
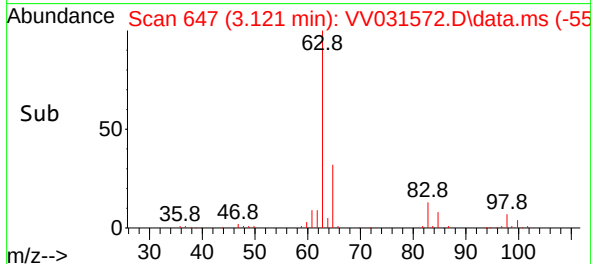
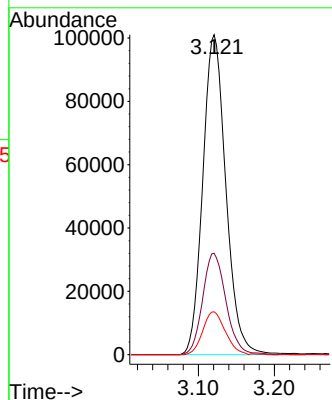
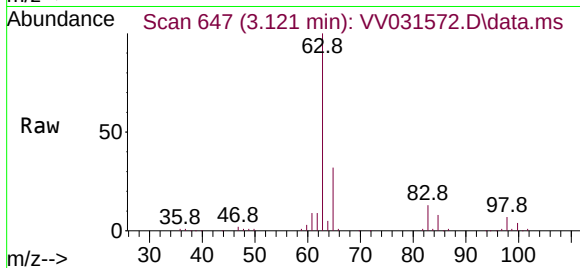
Tgt Ion: 63 Resp: 213088

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.7

83 14.0 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 46.694 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV031572.D

Acq: 16 Jun 2023 13:37

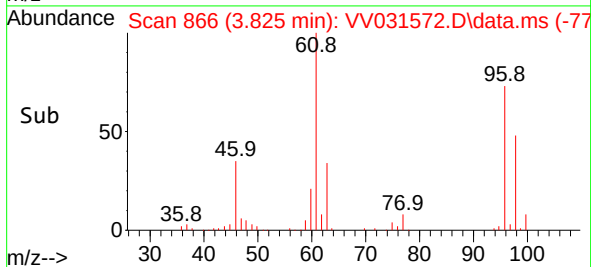
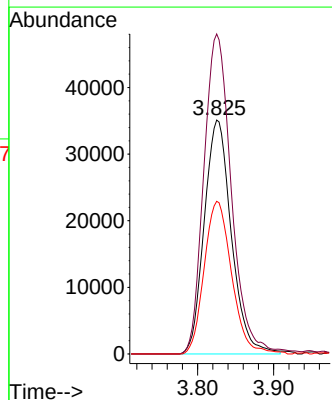
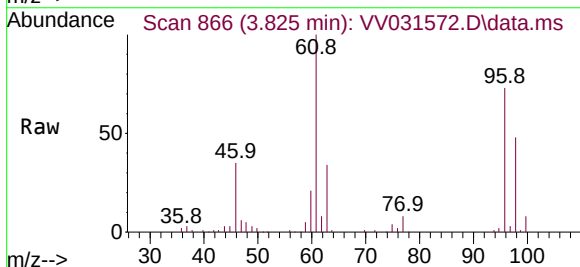
Tgt Ion: 96 Resp: 87057

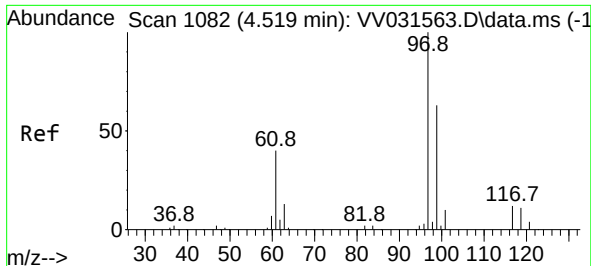
Ion Ratio Lower Upper

96 100

61 136.8 98.6 183.0

98 66.9 45.7 84.9





#30

1,1,1-Trichloroethane

Concen: 6.392 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.007 min

Lab File: VV031572.D

Acq: 16 Jun 2023 13:37

Instrument :

MSVOA_V

ClientSampleId :

EXYS4DL

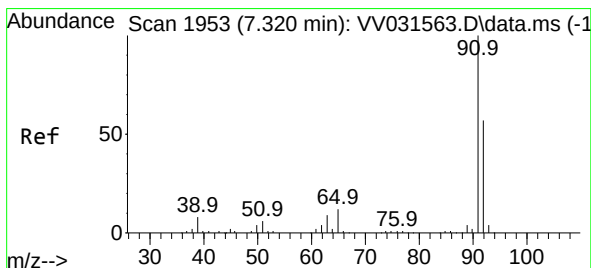
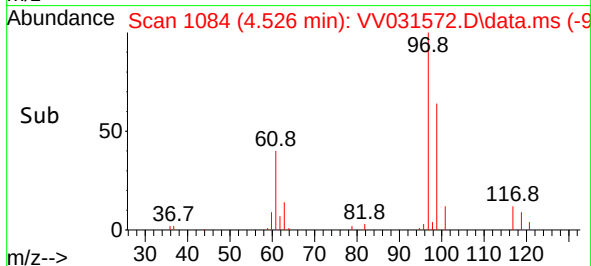
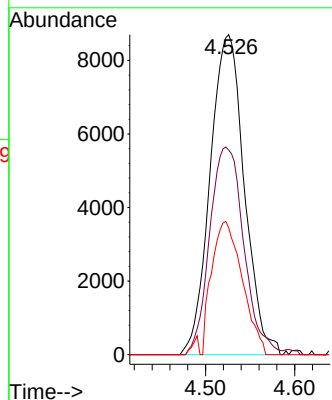
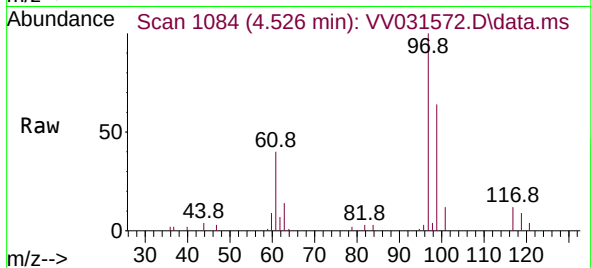
Tgt Ion: 97 Resp: 23222

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 37.1 33.0 49.6



#42

Toluene

Concen: 1.960 ug/L

RT: 7.330 min Scan# 1956

Delta R.T. 0.010 min

Lab File: VV031572.D

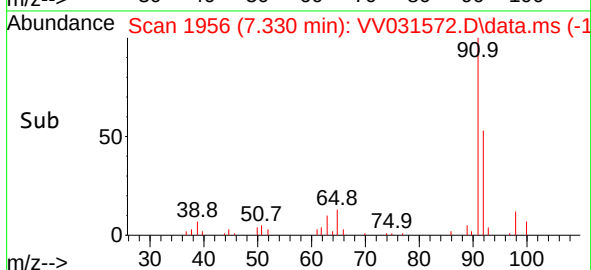
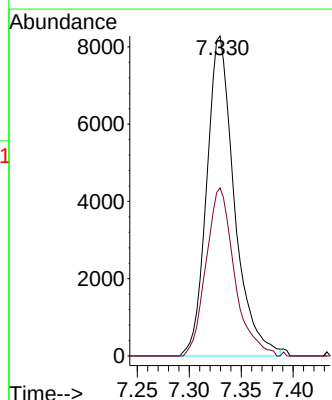
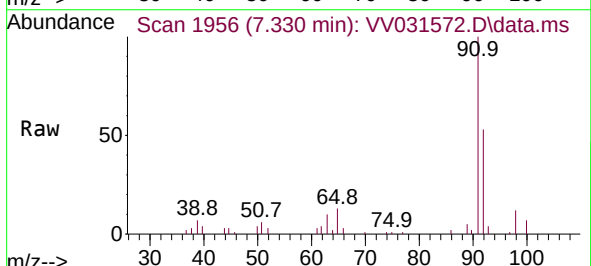
Acq: 16 Jun 2023 13:37

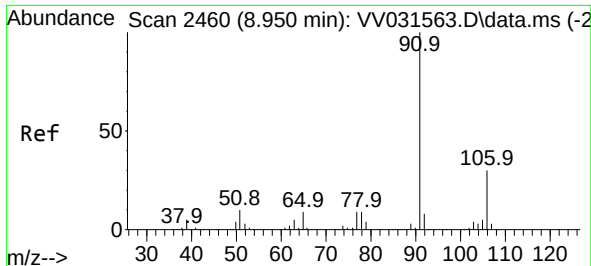
Tgt Ion: 91 Resp: 15331

Ion Ratio Lower Upper

91 100

92 52.6 39.6 73.6





#52

Ethylbenzene

Concen: 5.062 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV031572.D

Acq: 16 Jun 2023 13:37

Instrument :

MSVOA_V

ClientSampleId :

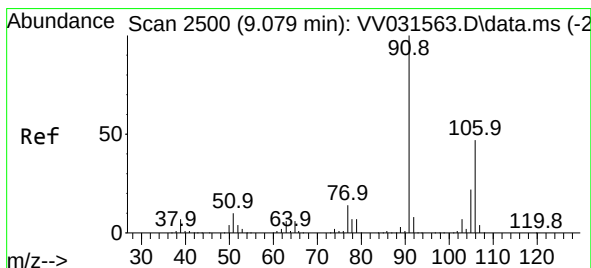
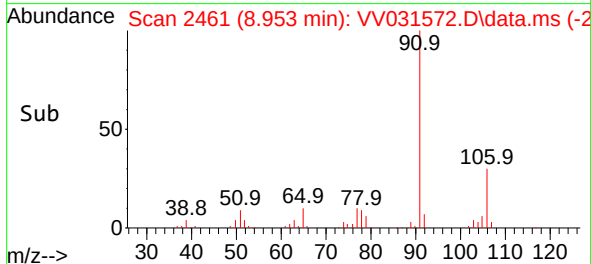
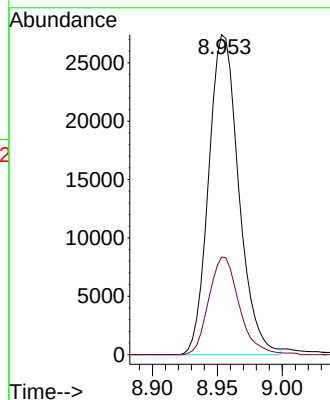
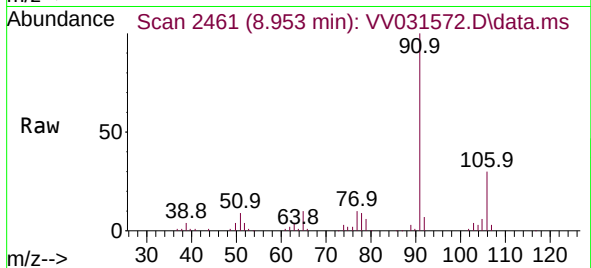
EXYS4DL

Tgt Ion: 91 Resp: 44182

Ion Ratio Lower Upper

91 100

106 30.5 20.8 38.6



#53

m,p-Xylene

Concen: 16.765 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031572.D

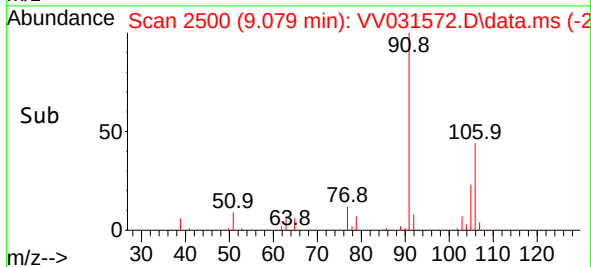
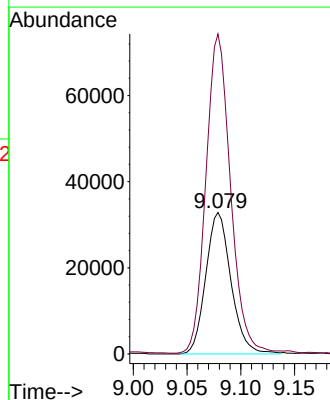
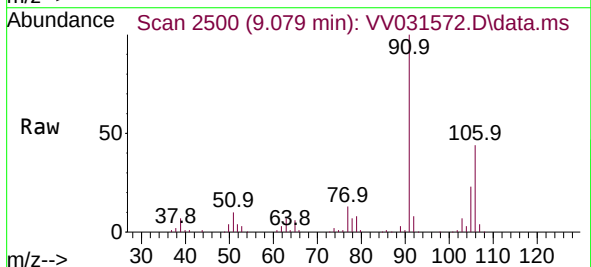
Acq: 16 Jun 2023 13:37

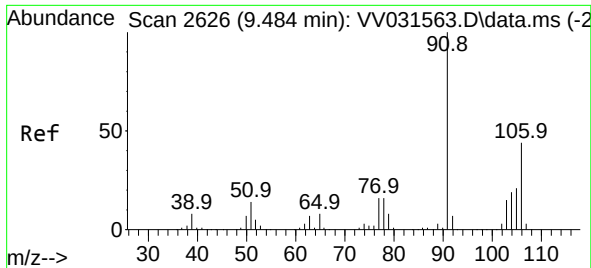
Tgt Ion: 106 Resp: 53589

Ion Ratio Lower Upper

106 100

91 226.2 149.0 276.6

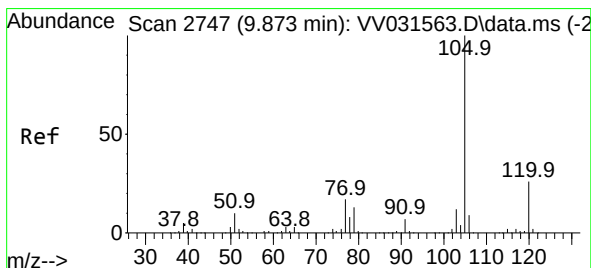
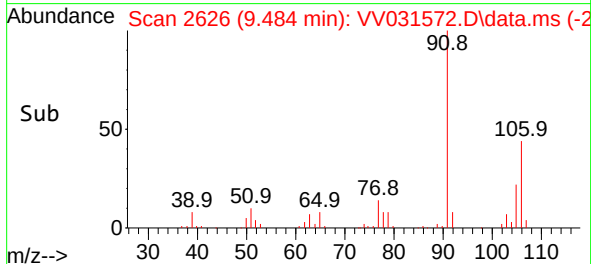
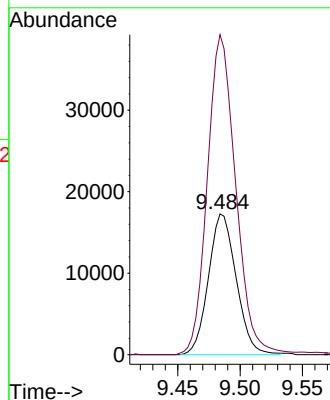
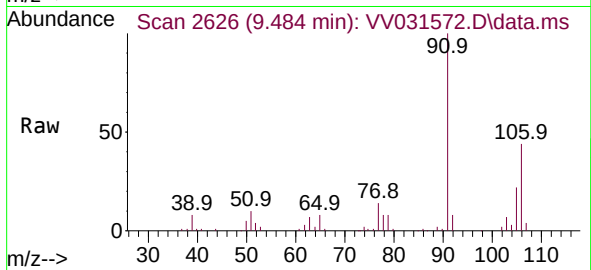




#54
o-Xylene
Concen: 8.838 ug/L
RT: 9.484 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031572.D
Acq: 16 Jun 2023 13:37

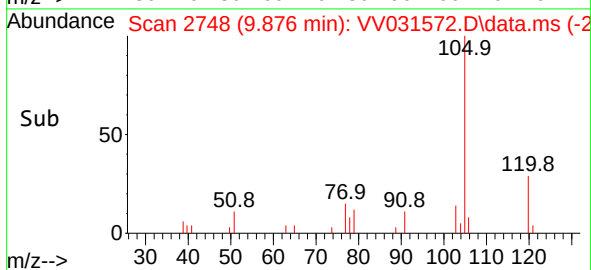
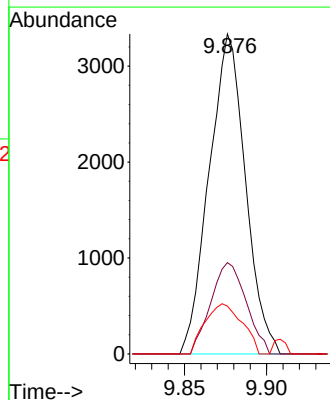
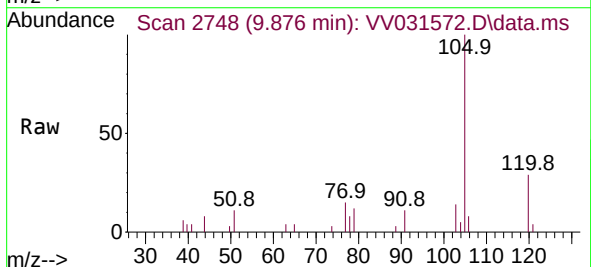
Instrument :
MSVOA_V
ClientSampleId :
EXYS4DL

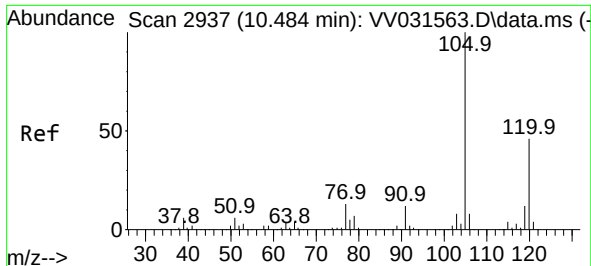
Tgt Ion:106 Resp: 26810
Ion Ratio Lower Upper
106 100
91 227.2 161.3 299.7



#60
Isopropylbenzene
Concen: 0.612 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.003 min
Lab File: VV031572.D
Acq: 16 Jun 2023 13:37

Tgt Ion:105 Resp: 5126
Ion Ratio Lower Upper
105 100
120 27.8 20.2 30.2
77 16.0 13.5 20.3

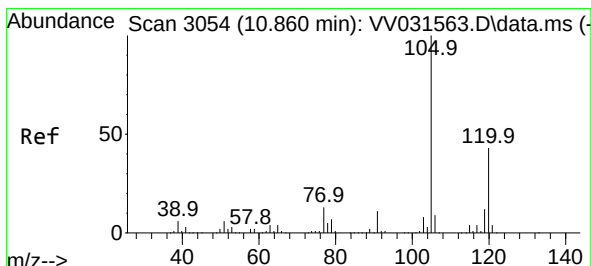
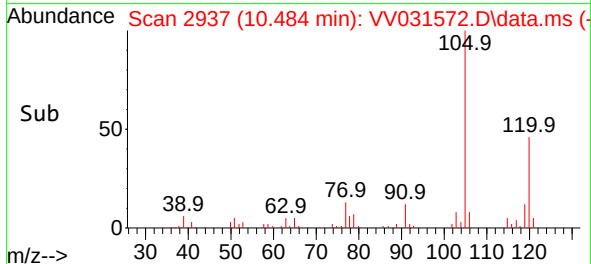
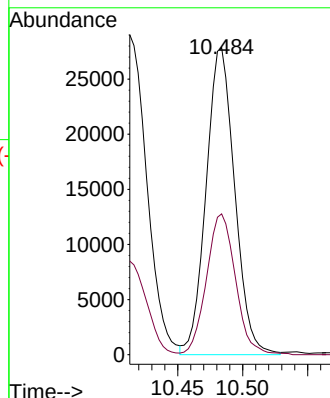
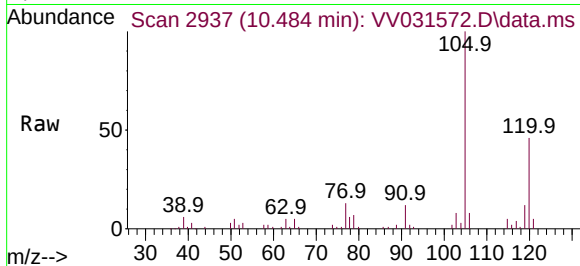




#62
1,3,5-Trimethylbenzene
Concen: 6.170 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV031572.D
Acq: 16 Jun 2023 13:37

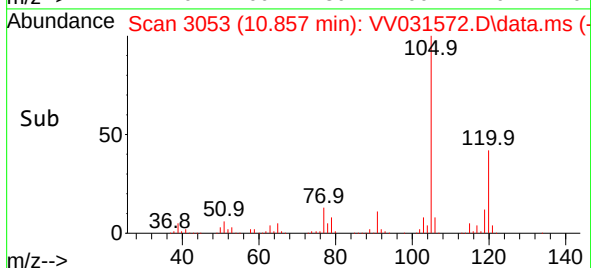
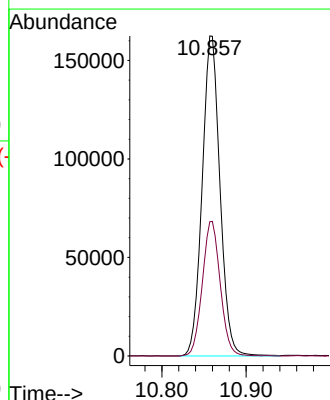
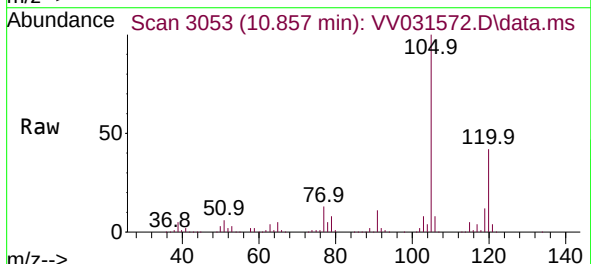
Instrument :
MSVOA_V
ClientSampleId :
EXYS4DL

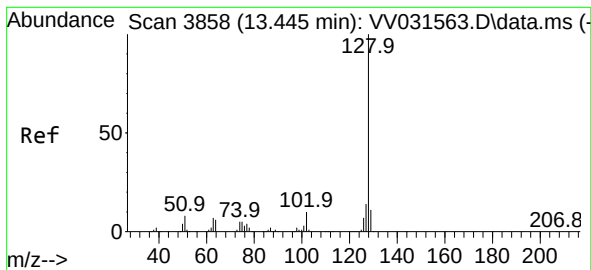
Tgt Ion:105 Resp: 42693
Ion Ratio Lower Upper
105 100
120 46.4 36.2 54.2



#63
1,2,4-Trimethylbenzene
Concen: 37.133 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VV031572.D
Acq: 16 Jun 2023 13:37

Tgt Ion:105 Resp: 239421
Ion Ratio Lower Upper
105 100
120 42.2 33.4 50.2





#71

Naphthalene

Concen: 1.280 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.003 min

Lab File: VV031572.D

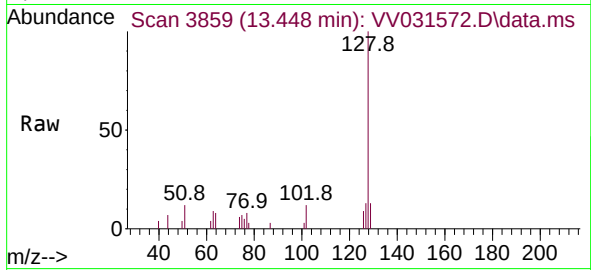
Acq: 16 Jun 2023 13:37

Instrument :

MSVOA_V

ClientSampleId :

EXYS4DL



Tgt Ion:128 Resp: 9089

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

129 10.1 8.6 13.0

