

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061623\
 Data File : VW031573.D
 Acq On : 16 Jun 2023 14:00
 Operator : SY/MD
 Sample : 03249-03DL 20X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS5DL

Quant Time: Jun 17 02:28:45 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	226088	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	228645	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	133583	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	50421	33.509	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.020%
7) Chloroethane-d5	1.535	69	51095	38.918	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.840%
11) 1,1-Dichloroethene-d2	2.066	65	28541	36.804	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.600%
21) 2-Butanone-d5	3.796	46	104766	85.987	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.990%
24) Chloroform-d	4.259	84	149559	39.688	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.380%
26) 1,2-Dichloroethane-d4	4.950	65	101386	43.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.000%
32) Benzene-d6	4.969	84	260217	40.432	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.860%
36) 1,2-Dichloropropane-d6	5.995	67	96062	42.113	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.220%
41) Toluene-d8	7.252	98	219773	37.212	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.420%#
43) trans-1,3-Dichloroprop...	7.558	79	43561	39.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.340%
47) 2-Hexanone-d5	8.030	63	77196	85.712	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.710%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	146478	42.543	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.080%
66) 1,2-Dichlorobenzene-d4	11.567	152	111128	43.643	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.280%

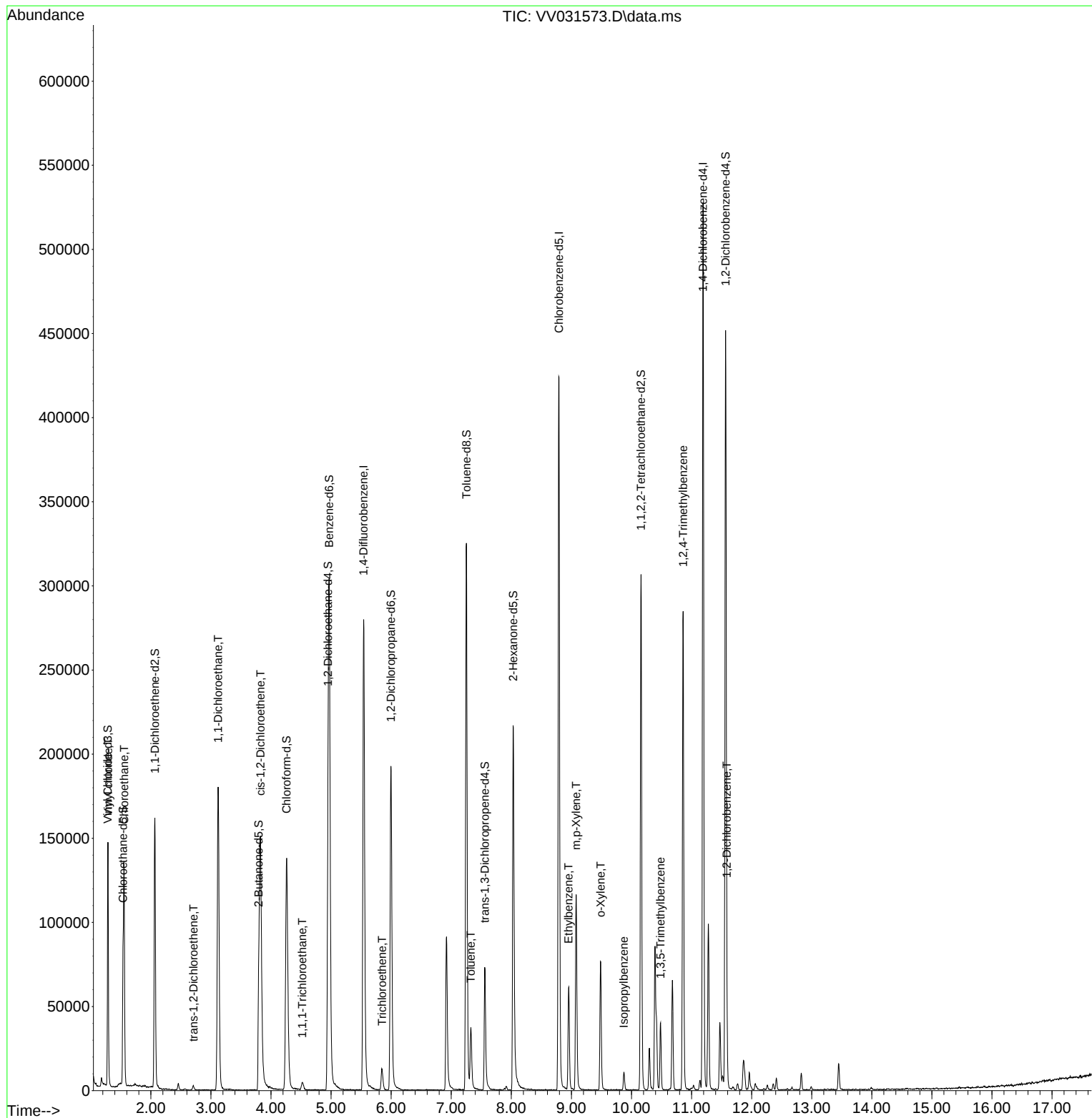
Target Compounds						Qvalue
5) Vinyl chloride	1.288	62	48342	21.550	ug/L	98
8) Chloroethane	1.555	64	72133	49.787	ug/L	94
17) trans-1,2-Dichloroethene	2.709	96	1068	0.612	ug/L	98
19) 1,1-Dichloroethane	3.121	63	186735	49.547	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	64825	34.351	ug/L	94
30) 1,1,1-Trichloroethane	4.519	97	4244	1.158	ug/L #	57
34) Trichloroethene	5.850	95	4615	2.269	ug/L	87
42) Toluene	7.326	91	27051	3.427	ug/L	99
52) Ethylbenzene	8.953	91	43023	4.885	ug/L	96
53) m,p-Xylene	9.078	106	31072	9.634	ug/L	98
54) o-Xylene	9.487	106	19287	6.302	ug/L	98
60) Isopropylbenzene	9.873	105	6764	0.794	ug/L	94
62) 1,3,5-Trimethylbenzene	10.484	105	20376	2.895	ug/L	93
63) 1,2,4-Trimethylbenzene	10.860	105	150990	23.023	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	4289	0.995	ug/L #	88

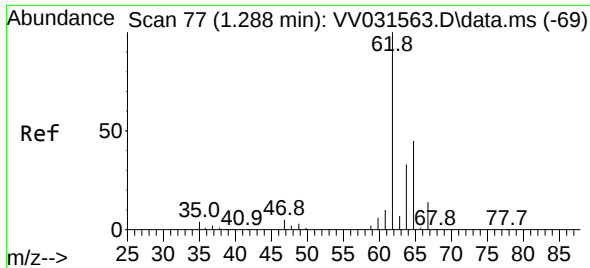
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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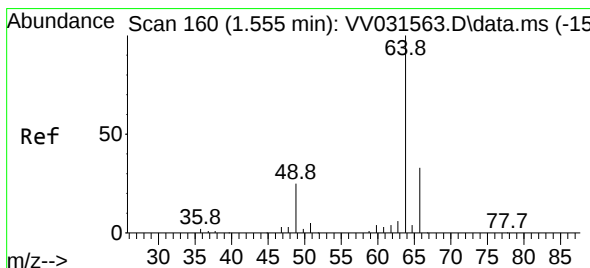
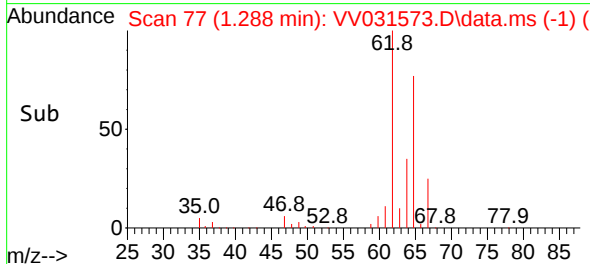
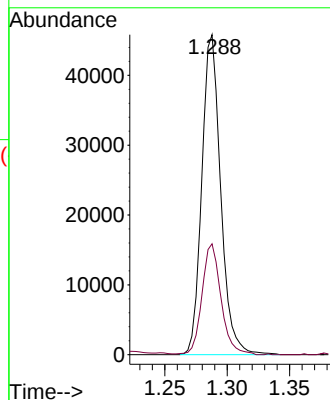
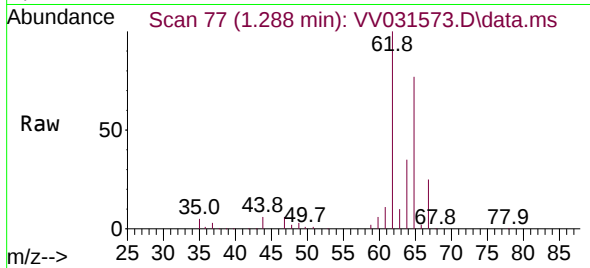




#5
 Vinyl chloride
 Concen: 21.550 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV031573.D
 Acq: 16 Jun 2023 14:00

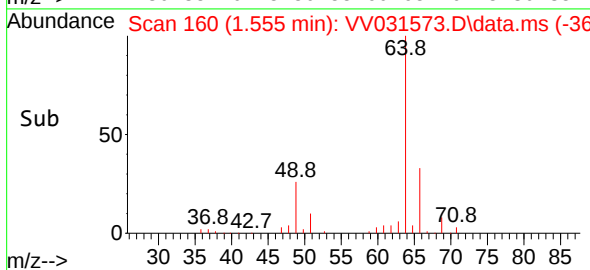
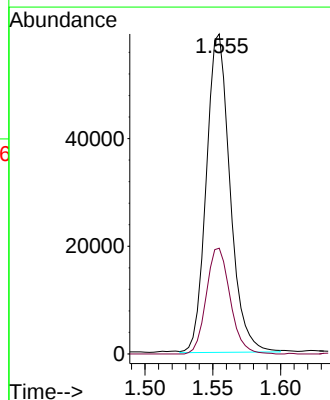
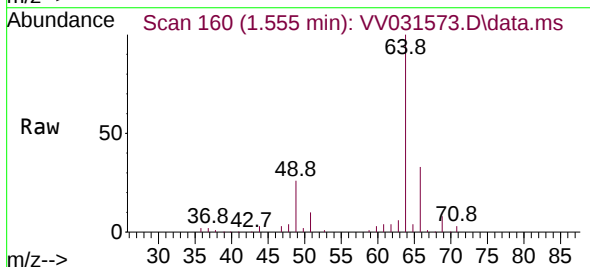
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS5DL

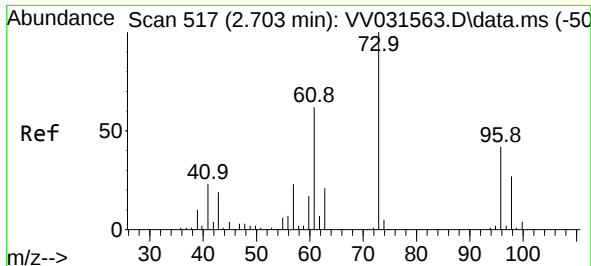
Tgt Ion: 62 Resp: 48342
 Ion Ratio Lower Upper
 62 100
 64 34.6 23.4 43.4



#8
 Chloroethane
 Concen: 49.787 ug/L
 RT: 1.555 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VV031573.D
 Acq: 16 Jun 2023 14:00

Tgt Ion: 64 Resp: 72133
 Ion Ratio Lower Upper
 64 100
 66 33.1 21.0 39.0





#17

trans-1,2-Dichloroethene

Concen: 0.612 ug/L

RT: 2.709 min Scan# 51

Delta R.T. 0.006 min

Lab File: VV031573.D

Acq: 16 Jun 2023 14:00

Instrument :

MSVOA_V

ClientSampleId :

EXYS5DL

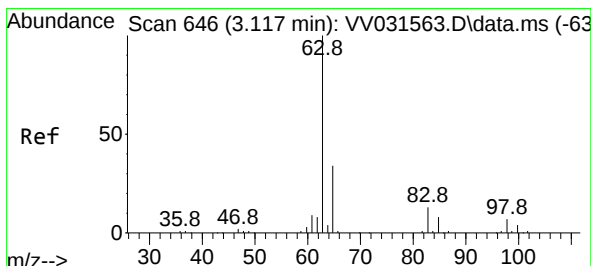
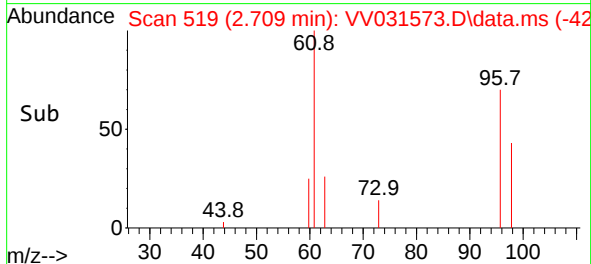
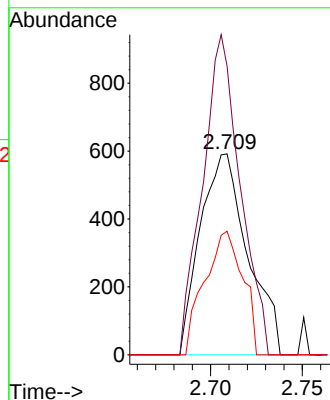
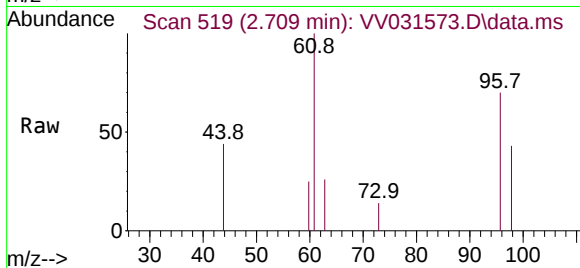
Tgt Ion: 96 Resp: 1068

Ion Ratio Lower Upper

96 100

61 143.6 102.5 190.3

98 61.5 44.1 81.9



#19

1,1-Dichloroethane

Concen: 49.547 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.003 min

Lab File: VV031573.D

Acq: 16 Jun 2023 14:00

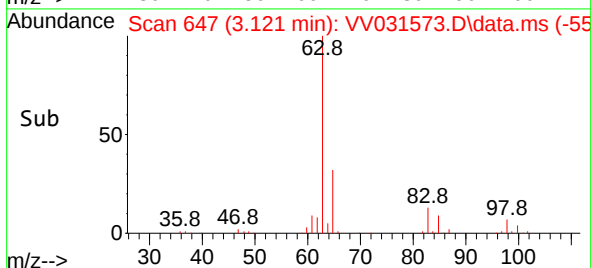
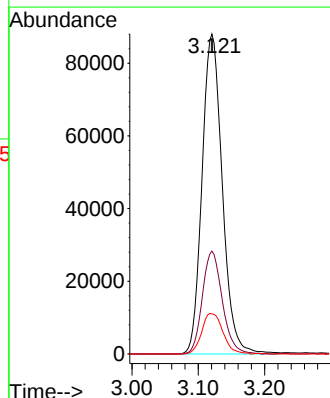
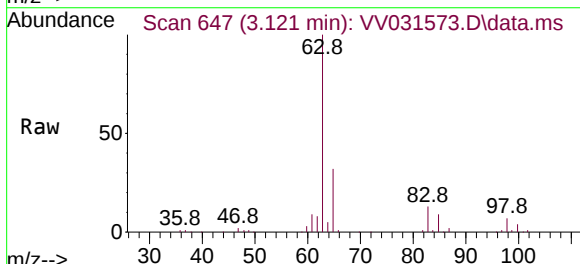
Tgt Ion: 63 Resp: 186735

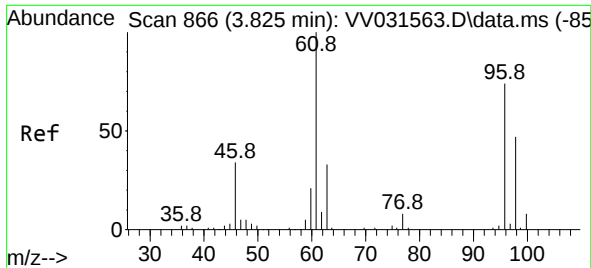
Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

83 13.3 10.0 18.6

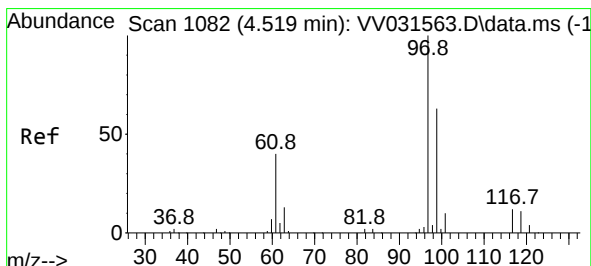
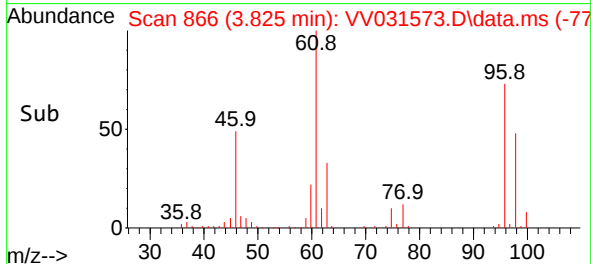
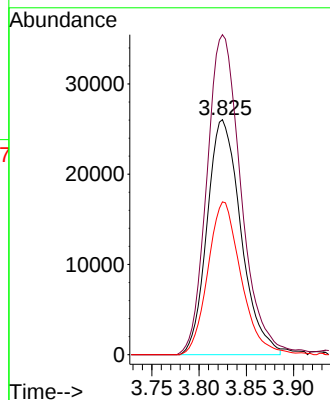
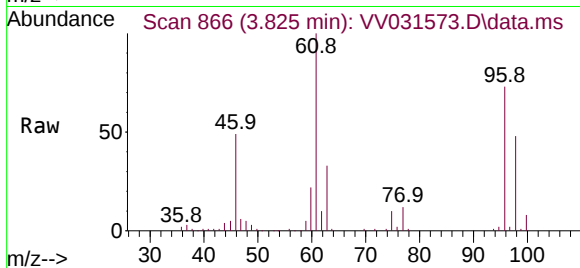




#20
 cis-1,2-Dichloroethene
 Concen: 34.351 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. -0.000 min
 Lab File: VV031573.D
 Acq: 16 Jun 2023 14:00

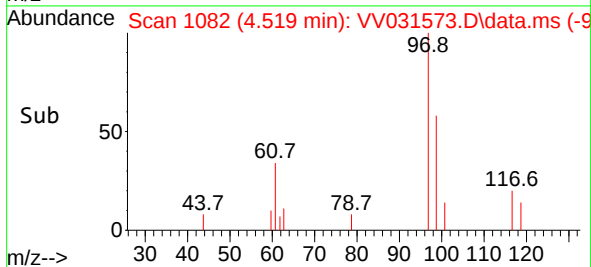
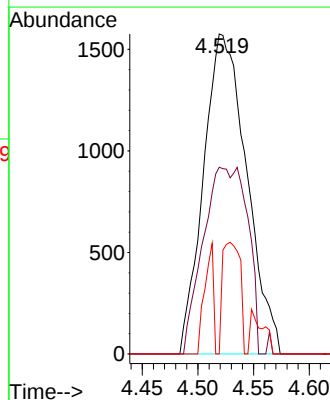
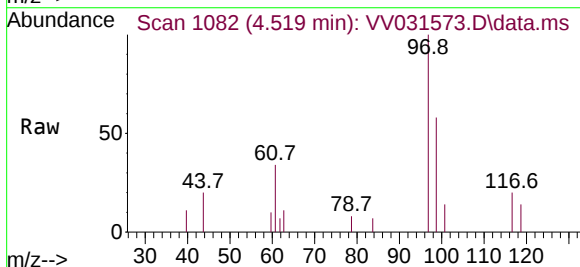
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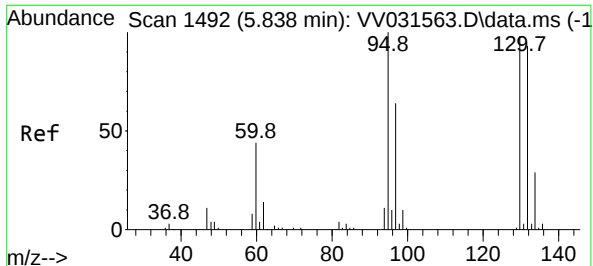
Tgt Ion: 96 Resp: 64825
 Ion Ratio Lower Upper
 96 100
 61 132.0 98.6 183.0
 98 63.0 45.7 84.9



#30
 1,1,1-Trichloroethane
 Concen: 1.158 ug/L
 RT: 4.519 min Scan# 1082
 Delta R.T. -0.000 min
 Lab File: VV031573.D
 Acq: 16 Jun 2023 14:00

Tgt Ion: 97 Resp: 4244
 Ion Ratio Lower Upper
 97 100
 99 37.3 51.8 77.6#
 61 7.0 33.0 49.6#



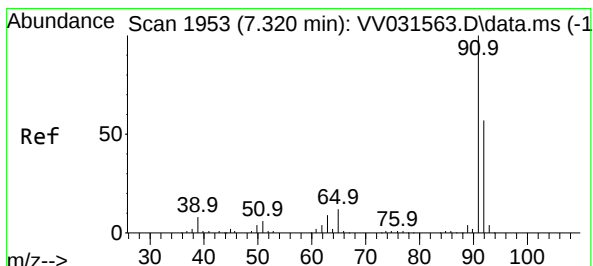
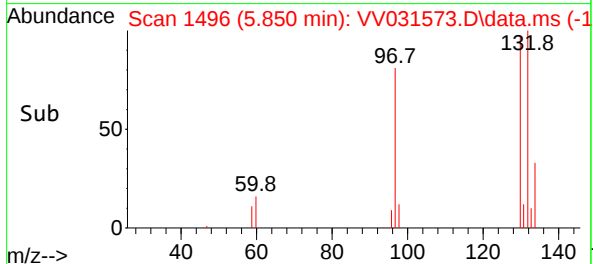
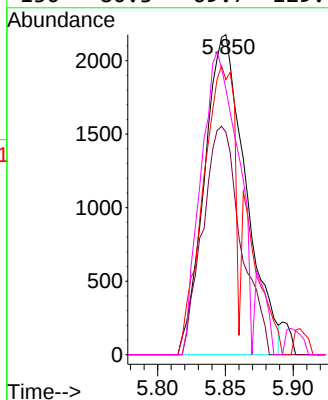
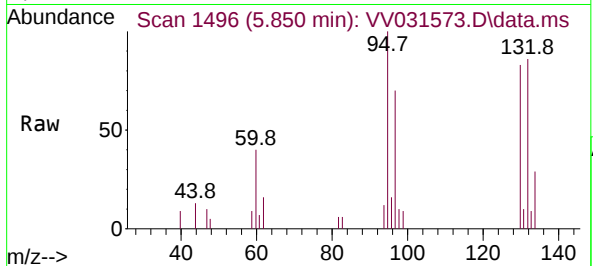


#34
Trichloroethene
Concen: 2.269 ug/L
RT: 5.850 min Scan# 1496
Delta R.T. 0.013 min
Lab File: VV031573.D
Acq: 16 Jun 2023 14:00

Instrument :
MSVOA_V
ClientSampleId :
EXYS5DL

Tgt Ion: 95 Resp: 4615

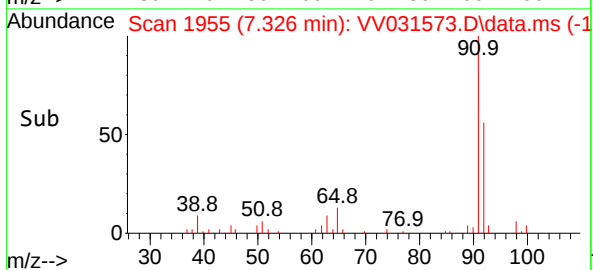
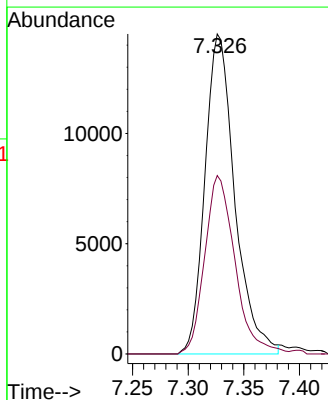
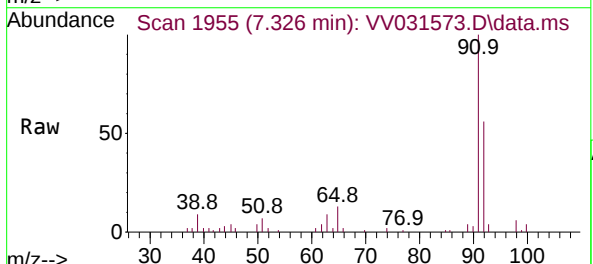
Ion	Ratio	Lower	Upper
95	100		
97	68.8	46.8	86.8
132	81.7	66.4	123.2
130	80.3	69.7	129.4

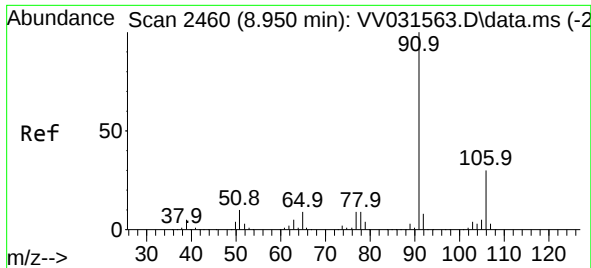


#42
Toluene
Concen: 3.427 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.006 min
Lab File: VV031573.D
Acq: 16 Jun 2023 14:00

Tgt Ion: 91 Resp: 27051

Ion	Ratio	Lower	Upper
91	100		
92	55.8	39.6	73.6

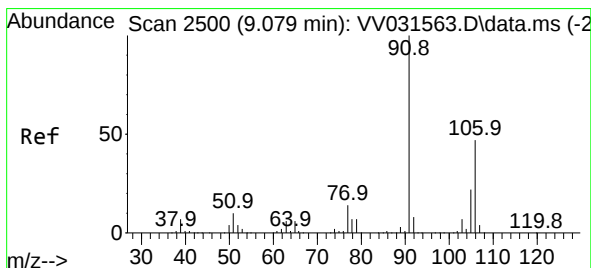
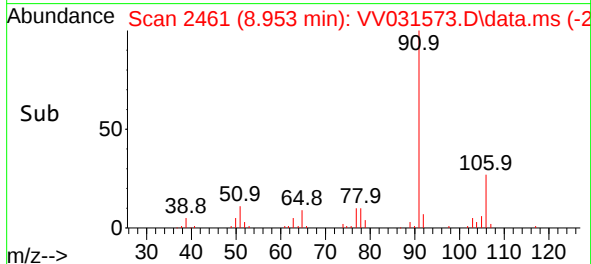
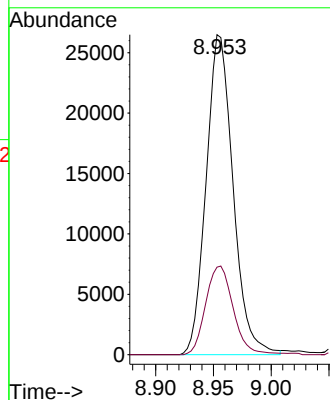
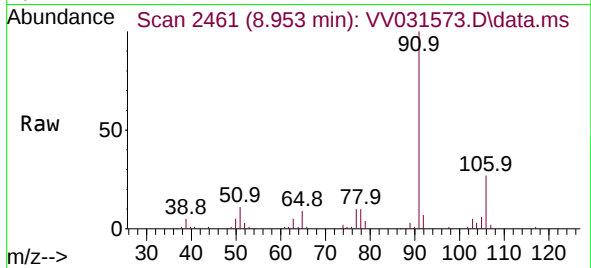




#52
Ethylbenzene
Concen: 4.885 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031573.D
Acq: 16 Jun 2023 14:00

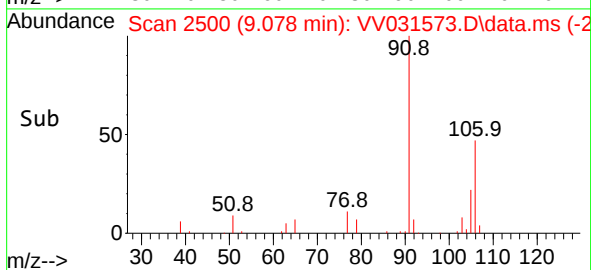
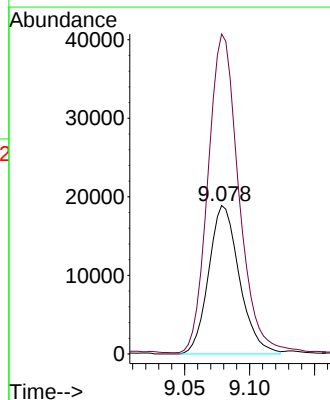
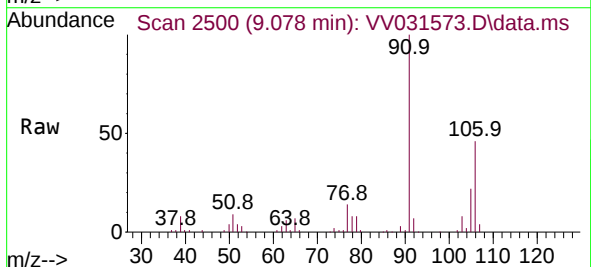
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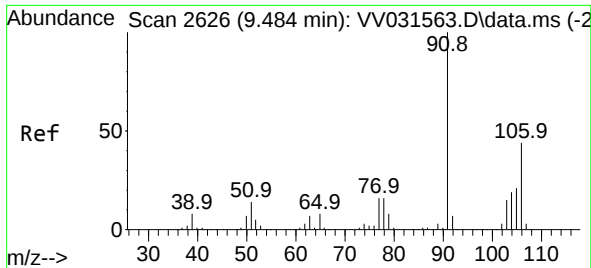
Tgt Ion: 91 Resp: 43023
Ion Ratio Lower Upper
91 100
106 27.4 20.8 38.6



#53
m,p-Xylene
Concen: 9.634 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031573.D
Acq: 16 Jun 2023 14:00

Tgt Ion: 106 Resp: 31072
Ion Ratio Lower Upper
106 100
91 215.5 149.0 276.6

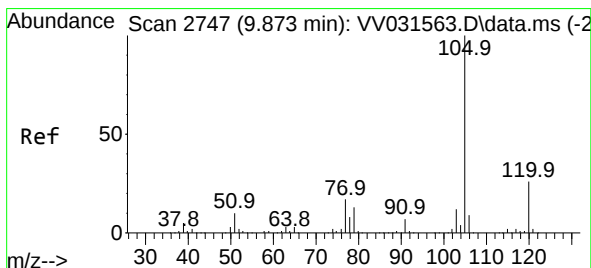
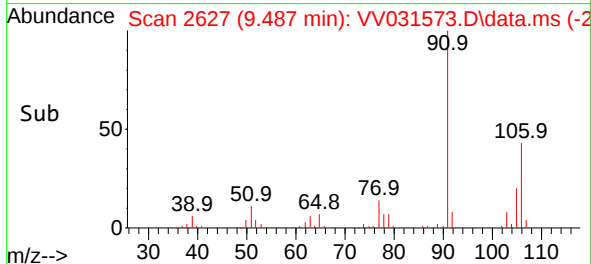
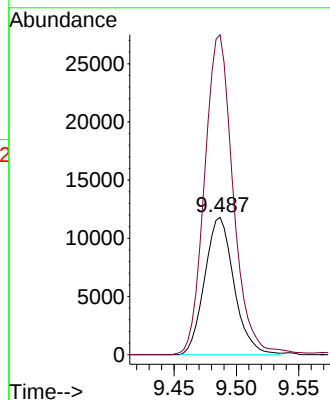
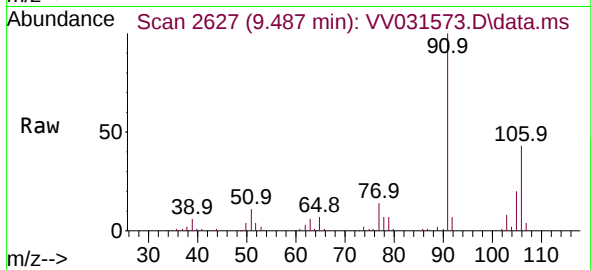




#54
o-Xylene
Concen: 6.302 ug/L
RT: 9.487 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031573.D
Acq: 16 Jun 2023 14:00

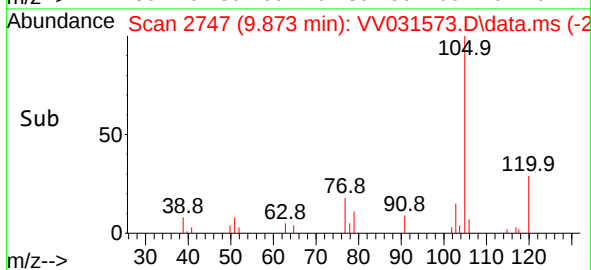
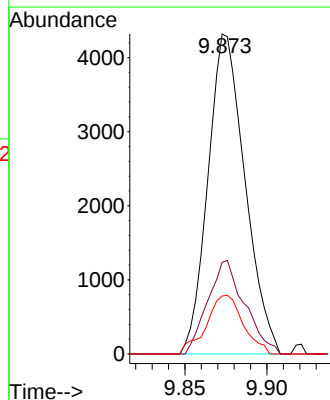
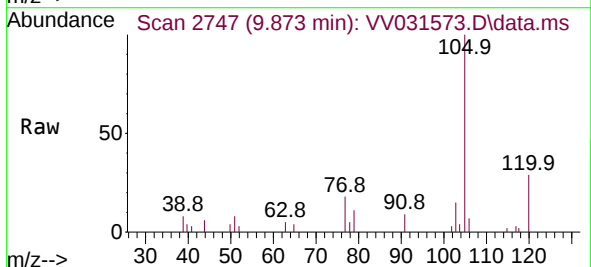
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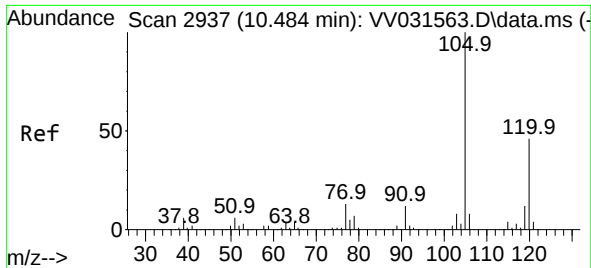
Tgt Ion:106 Resp: 19287
Ion Ratio Lower Upper
106 100
91 233.0 161.3 299.7



#60
Isopropylbenzene
Concen: 0.794 ug/L
RT: 9.873 min Scan# 2747
Delta R.T. -0.000 min
Lab File: VV031573.D
Acq: 16 Jun 2023 14:00

Tgt Ion:105 Resp: 6764
Ion Ratio Lower Upper
105 100
120 29.1 20.2 30.2
77 18.1 13.5 20.3

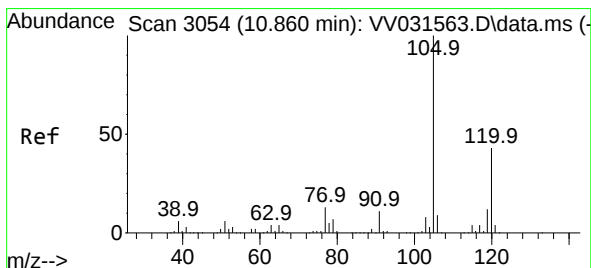
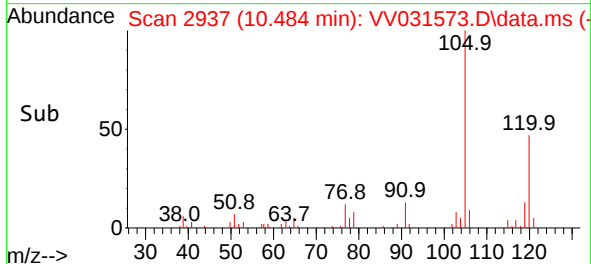
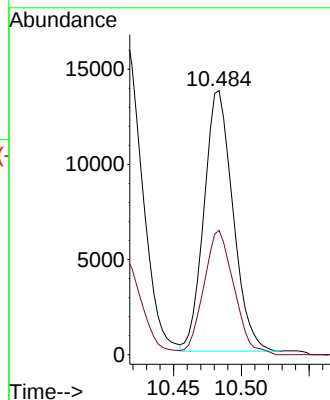
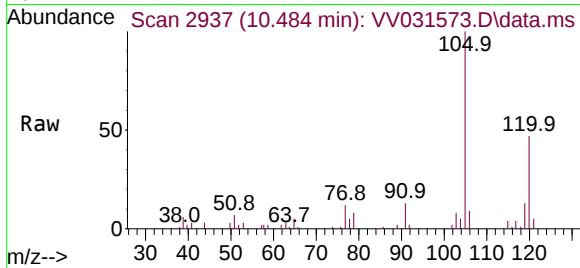




#62
1,3,5-Trimethylbenzene
Concen: 2.895 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV031573.D
Acq: 16 Jun 2023 14:00

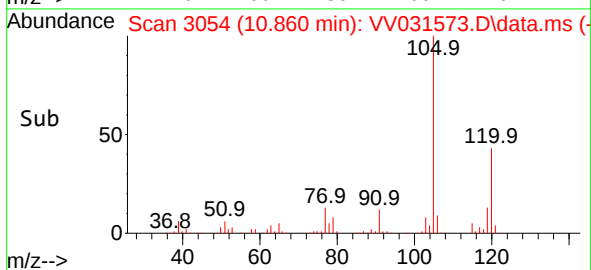
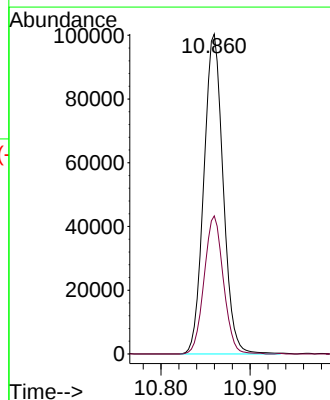
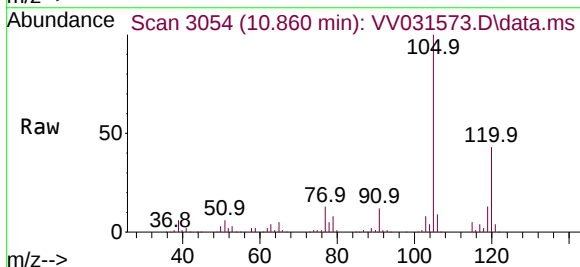
Instrument :
MSVOA_V
ClientSampleId :
EXYS5DL

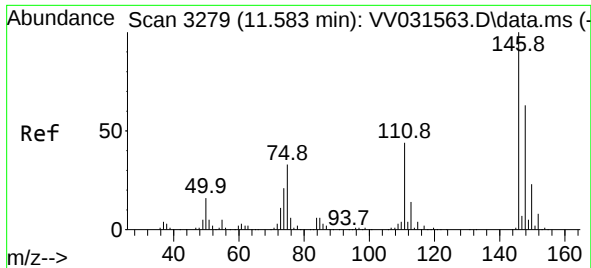
Tgt Ion:105 Resp: 20376
Ion Ratio Lower Upper
105 100
120 49.8 36.2 54.2



#63
1,2,4-Trimethylbenzene
Concen: 23.023 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VV031573.D
Acq: 16 Jun 2023 14:00

Tgt Ion:105 Resp: 150990
Ion Ratio Lower Upper
105 100
120 42.9 33.4 50.2





#67

1,2-Dichlorobenzene

Concen: 0.995 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031573.D

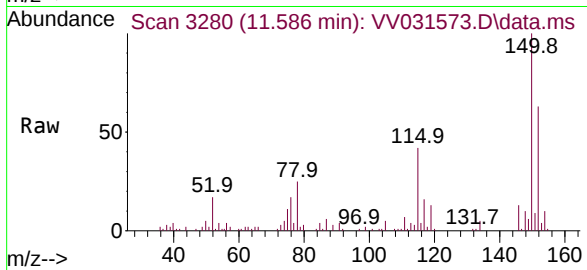
Acq: 16 Jun 2023 14:00

Instrument :

MSVOA_V

ClientSampleId :

EXYS5DL



Tgt Ion:146 Resp: 4289

Ion Ratio Lower Upper

146 100

111 55.6 35.9 53.9#

148 73.2 52.6 78.8

