

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
 Data File : VX039237.D
 Acq On : 15 Dec 2023 18:44
 Operator : JC/MD
 Sample : 05844-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YCHG1

Quant Time: Dec 16 01:52:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 12 03:50:51 2023
 Response via : Initial Calibration

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

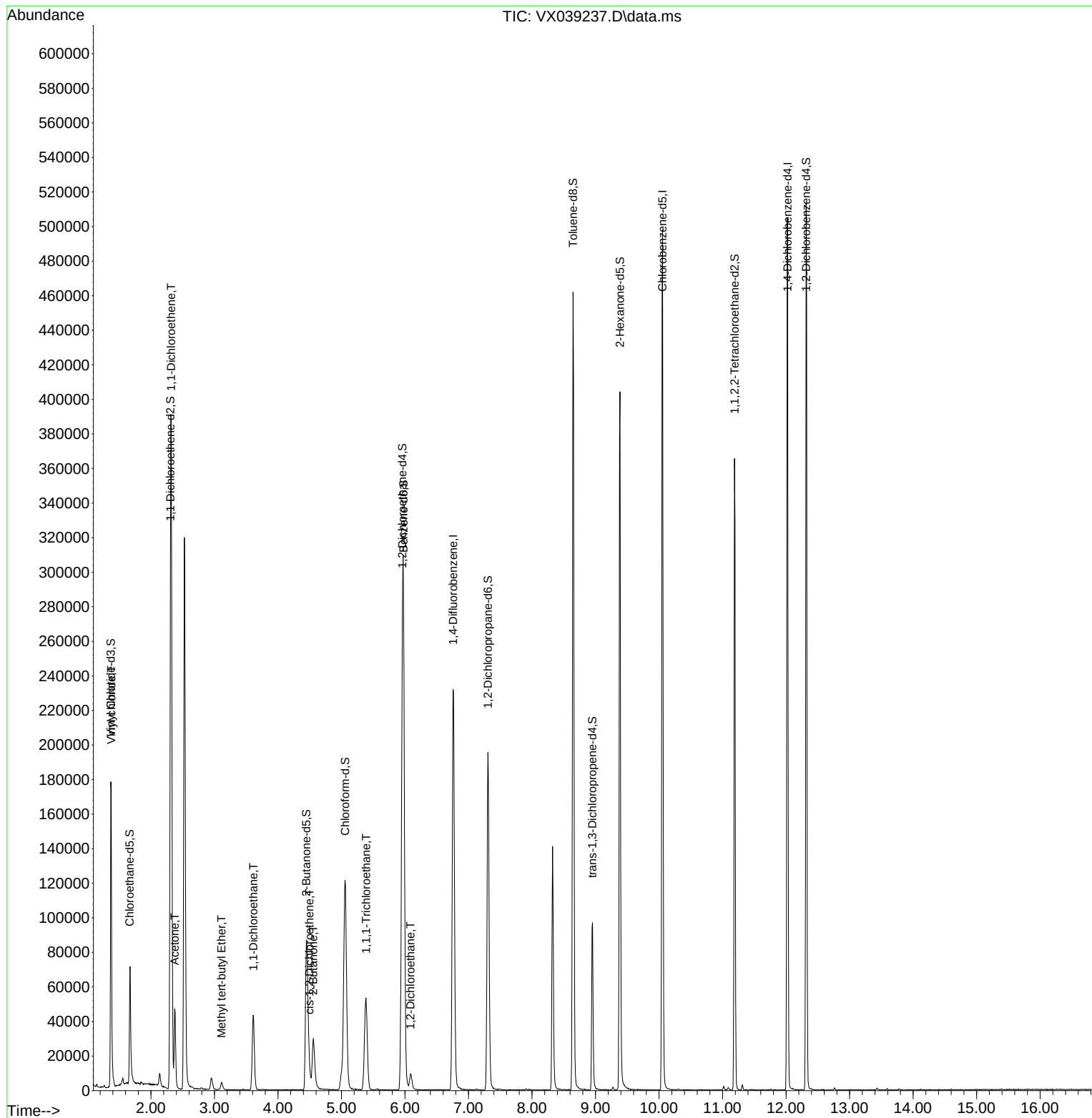
Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	230366	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	208958	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	98028	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	66106	36.586	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	73.180%	
7) Chloroethane-d5	1.666	69	52979	39.669	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	79.340%	
11) 1,1-Dichloroethene-d2	2.306	65	35646	44.943	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	89.880%	
21) 2-Butanone-d5	4.446	46	158827	97.108	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	97.110%	
24) Chloroform-d	5.056	84	151614	47.401	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.800%	
26) 1,2-Dichloroethane-d4	5.958	65	104116	50.261	ug/L	0.01
Spiked Amount	50.000	Range 70 - 125	Recovery	=	100.520%	
32) Benzene-d6	5.976	84	299756	46.482	ug/L	0.01
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.960%	
36) 1,2-Dichloropropane-d6	7.305	67	99433	47.911	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	95.820%	
41) Toluene-d8	8.647	98	270708	46.321	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	92.640%	
43) trans-1,3-Dichloroprop...	8.951	79	46920	44.426	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	88.860%	
47) 2-Hexanone-d5	9.384	63	114332	92.236	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	92.240%	
56) 1,1,2,2-Tetrachloroeth...	11.189	84	141363	48.016	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	96.040%	
66) 1,2-Dichlorobenzene-d4	12.317	152	93445	50.432	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	100.860%	
Target Compounds						
						Qvalue
5) Vinyl chloride	1.374	62	63372	33.486	ug/L	97
12) 1,1-Dichloroethene	2.319	96	85261	57.452	ug/L	92
13) Acetone	2.373	43	48411	30.811	ug/L	94
18) Methyl tert-butyl Ether	3.111	73	4316	0.793	ug/L	96
19) 1,1-Dichloroethane	3.611	63	49030	15.858	ug/L	97
20) cis-1,2-Dichloroethene	4.495	96	2654	1.463	ug/L	90
22) 2-Butanone	4.556	43	51718	26.820	ug/L	100
27) 1,2-Dichloroethane	6.086	62	9498	3.902	ug/L	96
30) 1,1,1-Trichloroethane	5.385	97	51365	20.260	ug/L	98

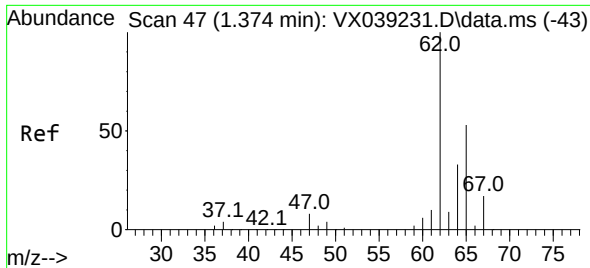
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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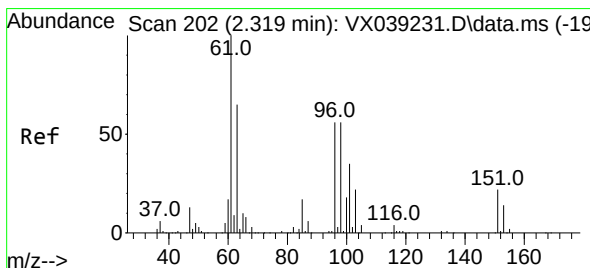
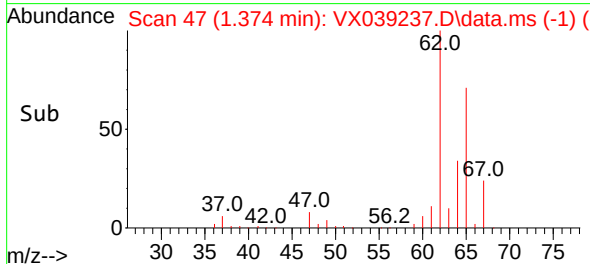
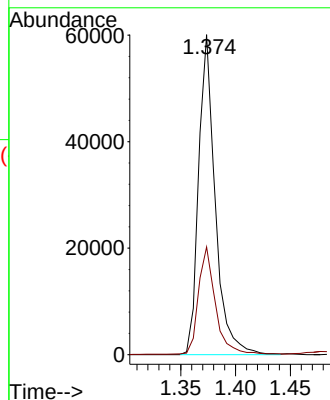
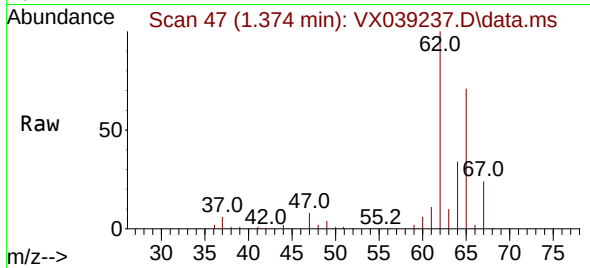




#5
 Vinyl chloride
 Concen: 33.486 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX039237.D
 Acq: 15 Dec 2023 18:44

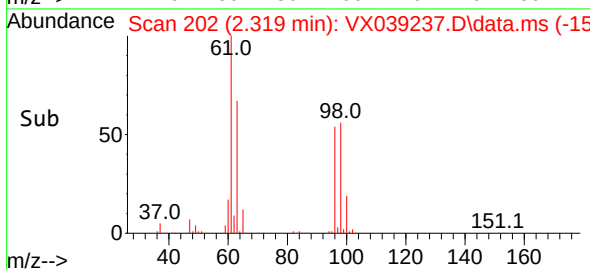
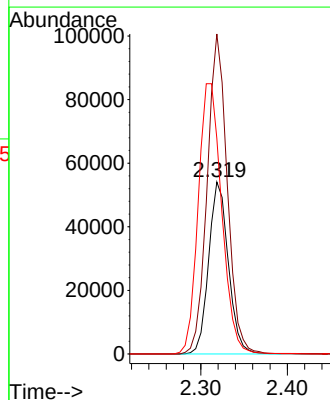
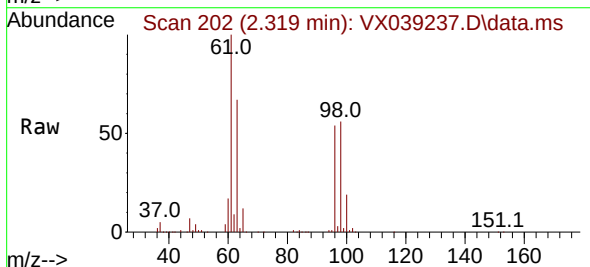
Instrument :
 MSVOA_X
 ClientSampleId :
 YCHG1

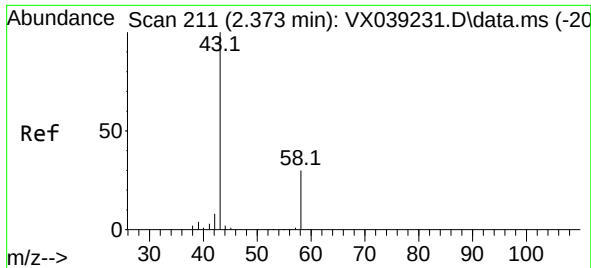
Tgt Ion: 62 Resp: 63372
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.3 41.3



#12
 1,1-Dichloroethene
 Concen: 57.452 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX039237.D
 Acq: 15 Dec 2023 18:44

Tgt Ion: 96 Resp: 85261
 Ion Ratio Lower Upper
 96 100
 61 186.1 128.0 237.6
 63 125.3 101.5 188.5





#13

Acetone

Concen: 30.811 ug/L

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039237.D

Acq: 15 Dec 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

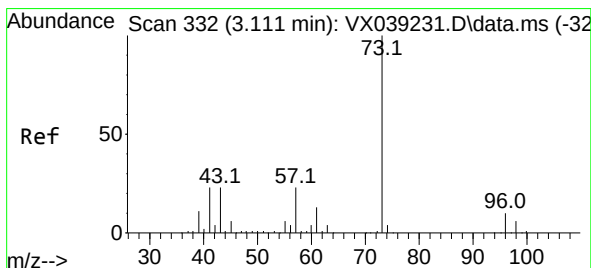
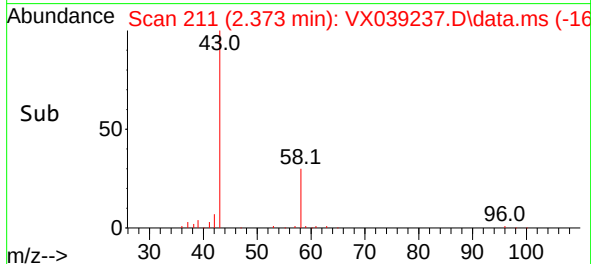
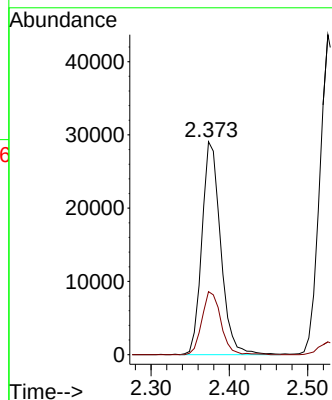
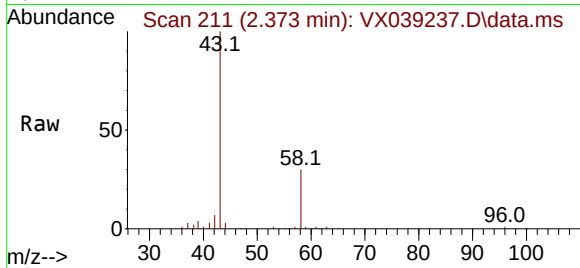
YCHG1

Tgt Ion: 43 Resp: 48411

Ion Ratio Lower Upper

43 100

58 29.5 0.0 65.8



#18

Methyl tert-butyl Ether

Concen: 0.793 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX039237.D

Acq: 15 Dec 2023 18:44

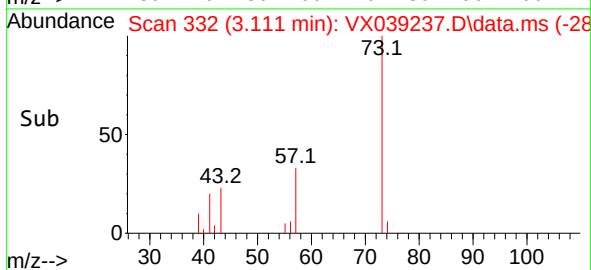
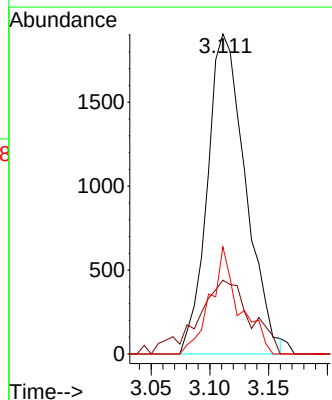
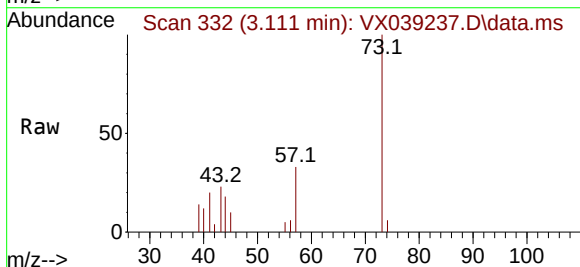
Tgt Ion: 73 Resp: 4316

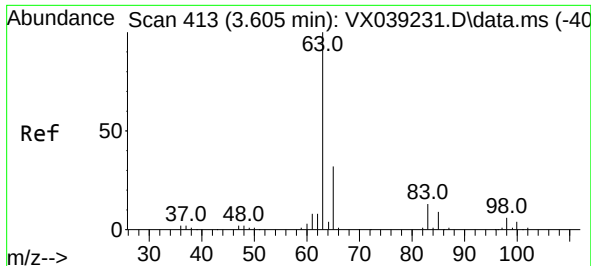
Ion Ratio Lower Upper

73 100

43 20.1 16.9 25.3

57 25.6 18.5 27.7





#19

1,1-Dichloroethane

Concen: 15.858 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX039237.D

Acq: 15 Dec 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

YCHG1

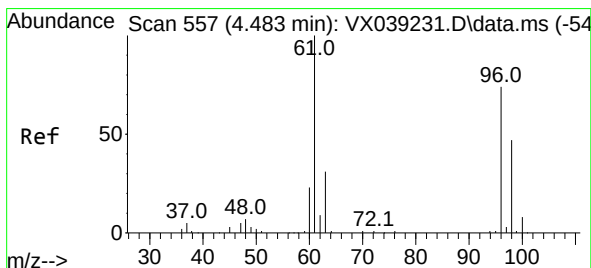
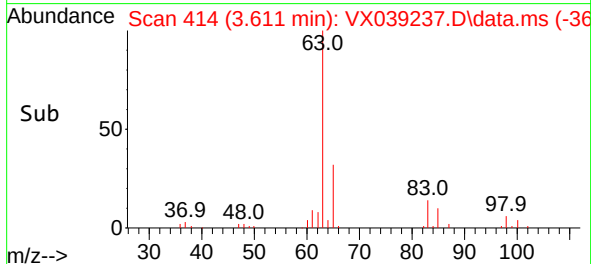
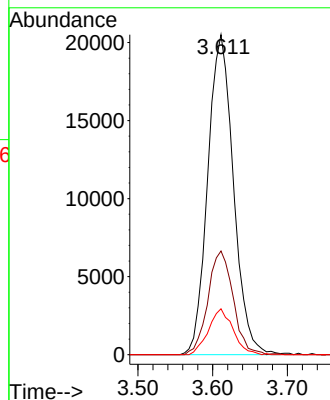
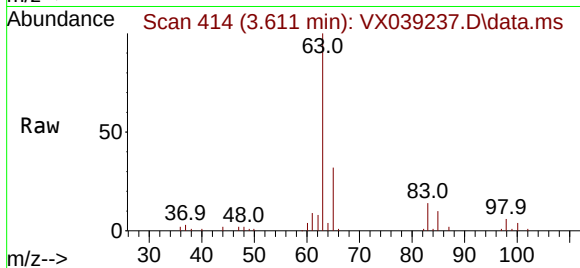
Tgt Ion: 63 Resp: 49030

Ion Ratio Lower Upper

63 100

65 32.4 21.1 39.3

83 14.3 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 1.463 ug/L

RT: 4.495 min Scan# 559

Delta R.T. 0.012 min

Lab File: VX039237.D

Acq: 15 Dec 2023 18:44

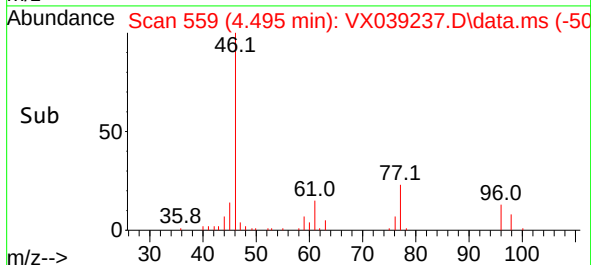
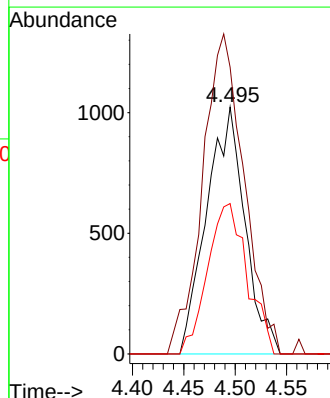
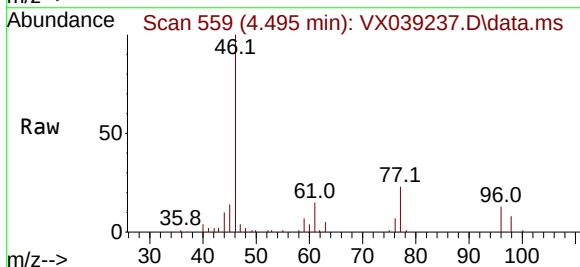
Tgt Ion: 96 Resp: 2654

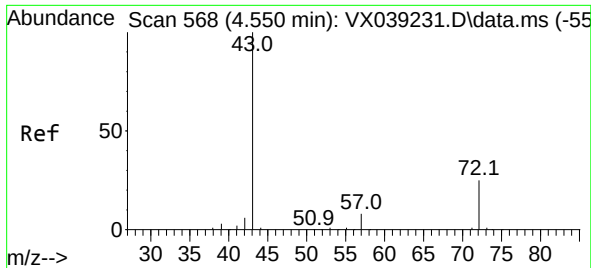
Ion Ratio Lower Upper

96 100

61 116.1 91.7 170.3

98 60.9 44.2 82.2

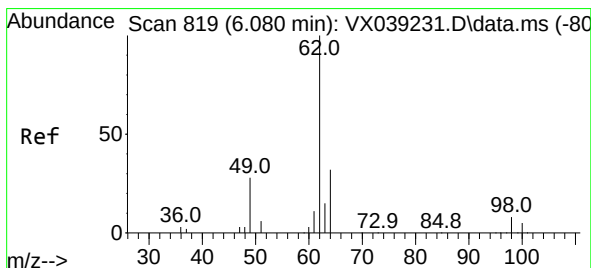
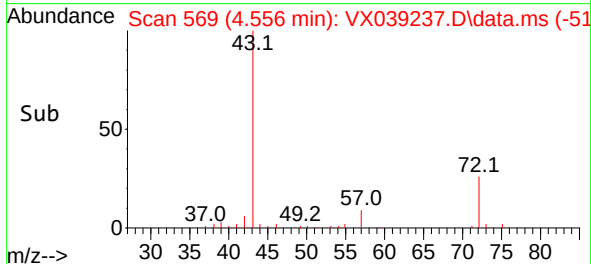
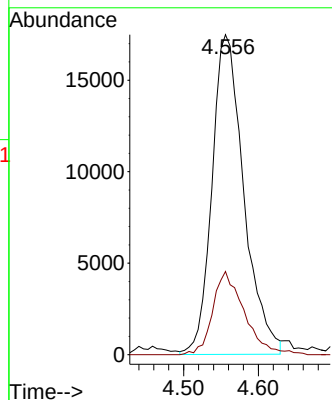
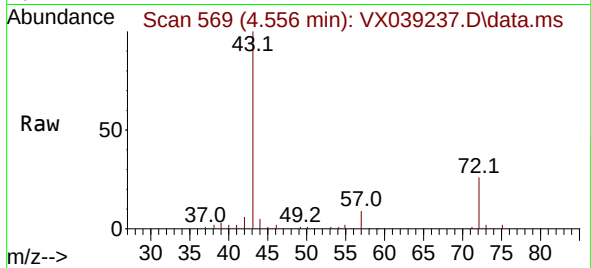




#22
2-Butanone
Concen: 26.820 ug/L
RT: 4.556 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX039237.D
Acq: 15 Dec 2023 18:44

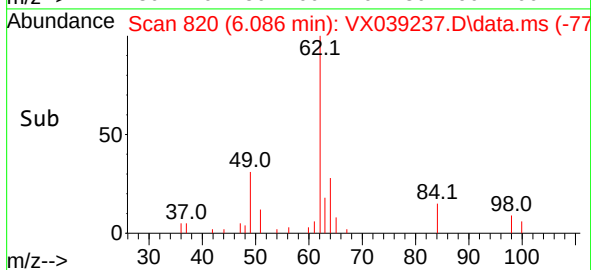
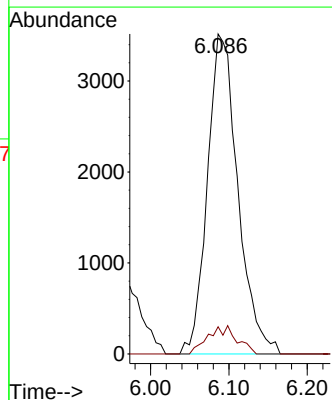
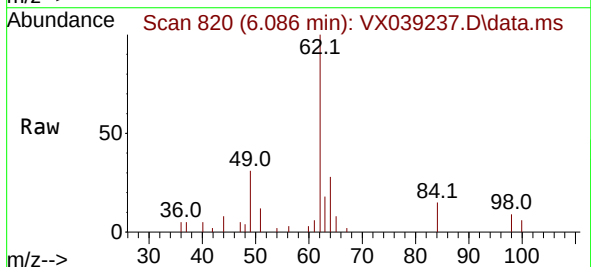
Instrument :
MSVOA_X
ClientSampleId :
YCHG1

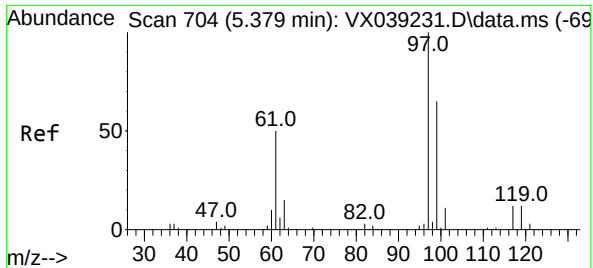
Tgt Ion: 43 Resp: 51718
Ion Ratio Lower Upper
43 100
72 25.3 12.6 37.6



#27
1,2-Dichloroethane
Concen: 3.902 ug/L
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX039237.D
Acq: 15 Dec 2023 18:44

Tgt Ion: 62 Resp: 9498
Ion Ratio Lower Upper
62 100
98 8.5 8.0 12.0





#30
 1,1,1-Trichloroethane
 Concen: 20.260 ug/L
 RT: 5.385 min Scan# 70
 Delta R.T. 0.012 min
 Lab File: VX039237.D
 Acq: 15 Dec 2023 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 YCHG1

Tgt Ion: 97 Resp: 51365
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.4
 61 48.5 36.7 55.1

