

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
 Data File : VX039236.D
 Acq On : 15 Dec 2023 18:21
 Operator : JC/MD
 Sample : 05844-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YCHG0

Quant Time: Dec 16 01:52:19 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

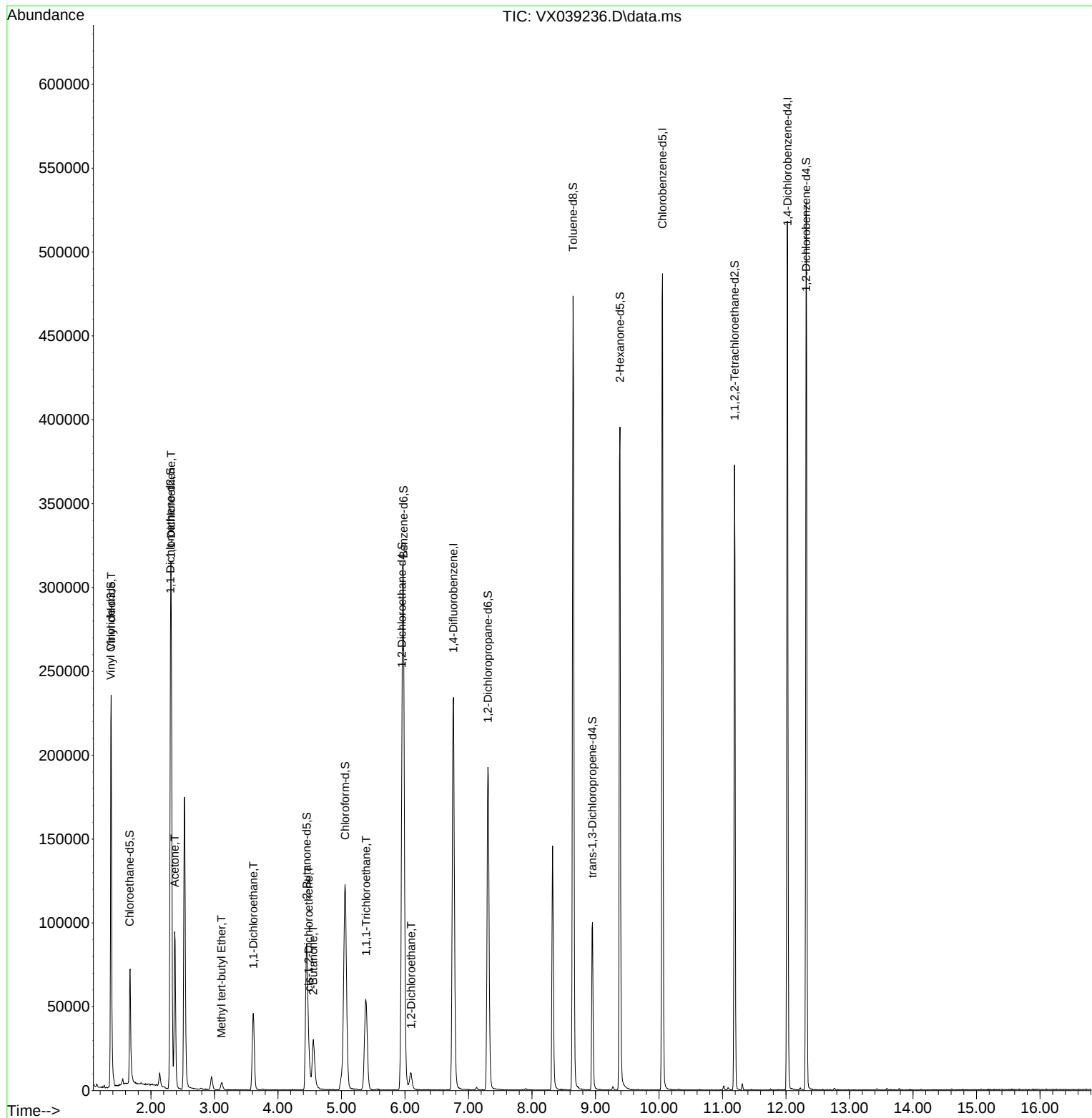
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	227902	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	210327	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	98488	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	67200	37.594	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.180%
7) Chloroethane-d5	1.666	69	52651	39.849	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.700%
11) 1,1-Dichloroethene-d2	2.307	65	34729	44.260	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.520%
21) 2-Butanone-d5	4.452	46	152058	93.975	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.970%
24) Chloroform-d	5.056	84	151019	47.725	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.440%
26) 1,2-Dichloroethane-d4	5.952	65	106596	52.015	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.020%
32) Benzene-d6	5.977	84	302955	46.672	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.340%
36) 1,2-Dichloropropane-d6	7.306	67	98818	47.305	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.600%
41) Toluene-d8	8.647	98	270242	45.940	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.880%
43) trans-1,3-Dichloroprop...	8.952	79	46513	43.754	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.500%
47) 2-Hexanone-d5	9.385	63	110627	88.667	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.670%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	142533	48.098	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	12.317	152	94356	50.685	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.380%
Target Compounds						
5) Vinyl chloride	1.374	62	99566	53.180	ug/L	98
12) 1,1-Dichloroethene	2.319	96	58417	39.789	ug/L	95
13) Acetone	2.374	43	97711	62.859	ug/L	96
18) Methyl tert-butyl Ether	3.111	73	4593	0.853	ug/L #	92
19) 1,1-Dichloroethane	3.611	63	51037	16.686	ug/L	96
20) cis-1,2-Dichloroethene	4.483	96	4115	2.293	ug/L	90
22) 2-Butanone	4.556	43	53400	27.992	ug/L	99
27) 1,2-Dichloroethane	6.099	62	10829	4.497	ug/L #	88
30) 1,1,1-Trichloroethane	5.385	97	53768	21.069	ug/L	98

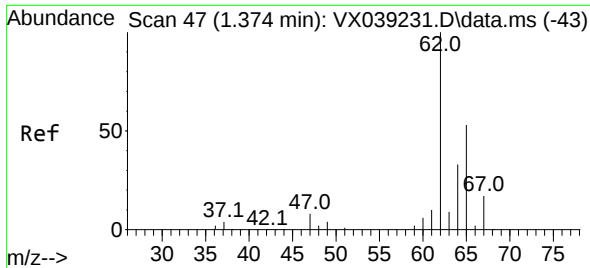
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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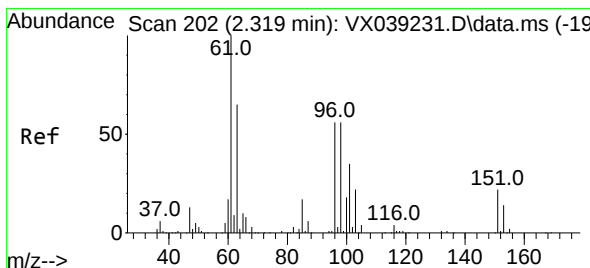
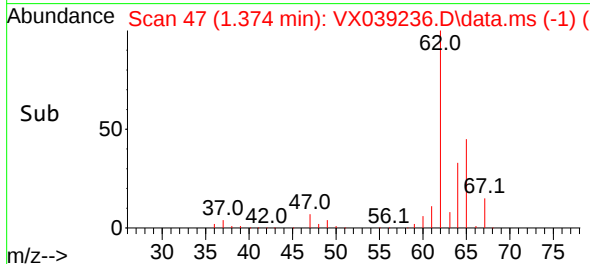
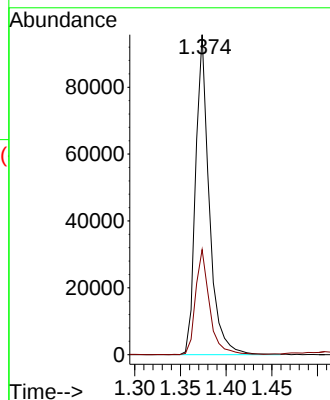
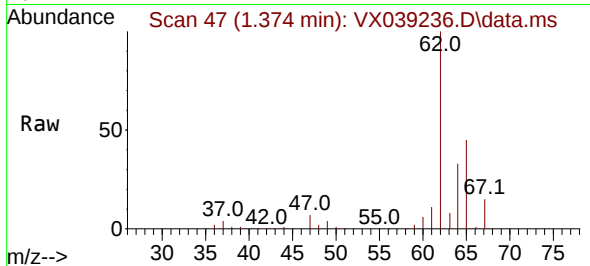




#5
 Vinyl chloride
 Concen: 53.180 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX039236.D
 Acq: 15 Dec 2023 18:21

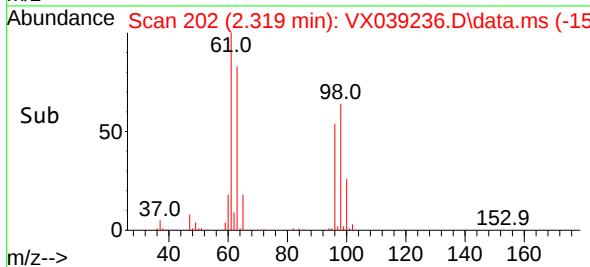
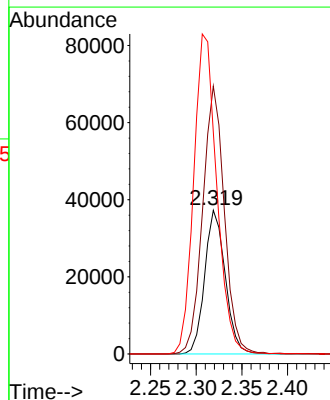
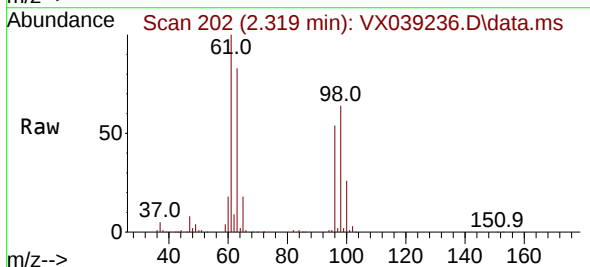
Instrument :
 MSVOA_X
 ClientSampleId :
 YCHG0

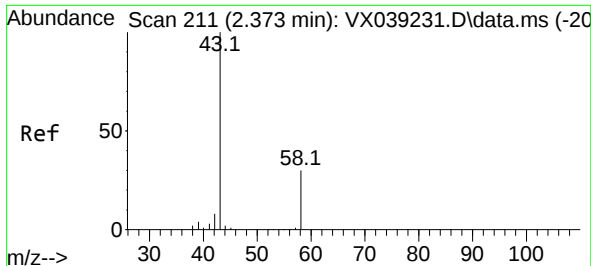
Tgt Ion: 62 Resp: 99566
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.3 41.3



#12
 1,1-Dichloroethene
 Concen: 39.789 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX039236.D
 Acq: 15 Dec 2023 18:21

Tgt Ion: 96 Resp: 58417
 Ion Ratio Lower Upper
 96 100
 61 186.3 128.0 237.6
 63 154.3 101.5 188.5





#13

Acetone

Concen: 62.859 ug/L

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039236.D

Acq: 15 Dec 2023 18:21

Instrument :

MSVOA_X

ClientSampleId :

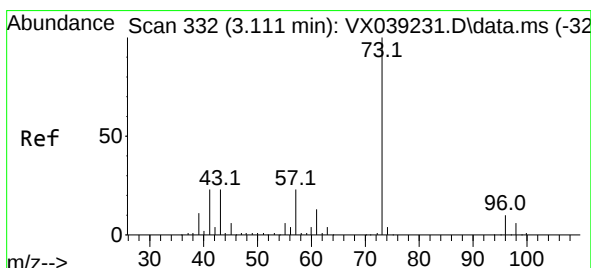
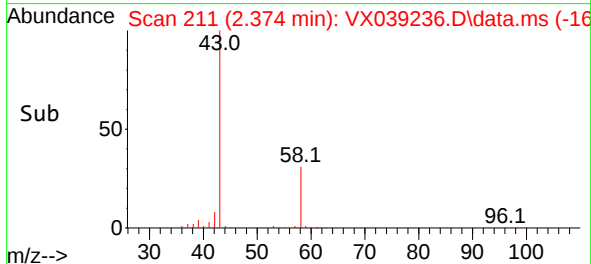
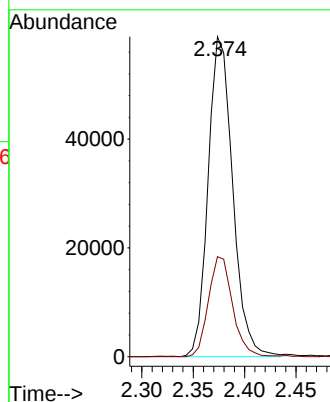
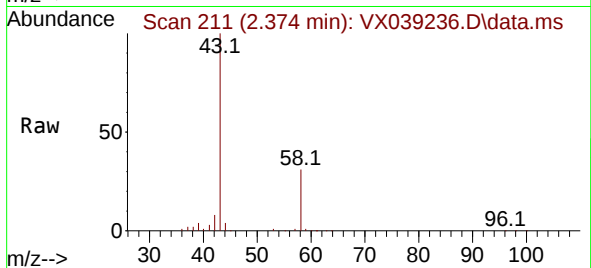
YCHG0

Tgt Ion: 43 Resp: 97711

Ion Ratio Lower Upper

43 100

58 30.6 0.0 65.8



#18

Methyl tert-butyl Ether

Concen: 0.853 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX039236.D

Acq: 15 Dec 2023 18:21

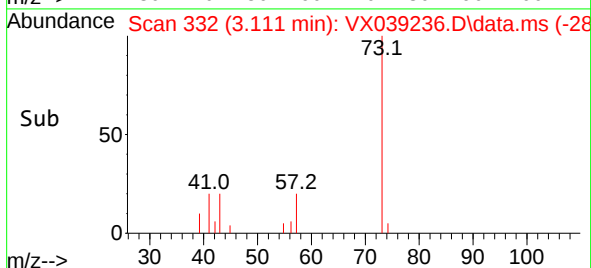
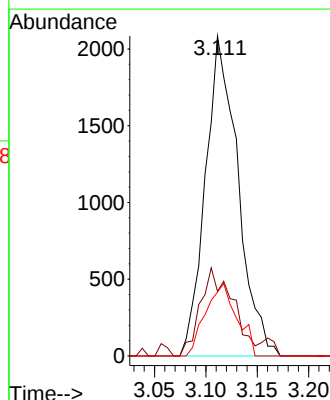
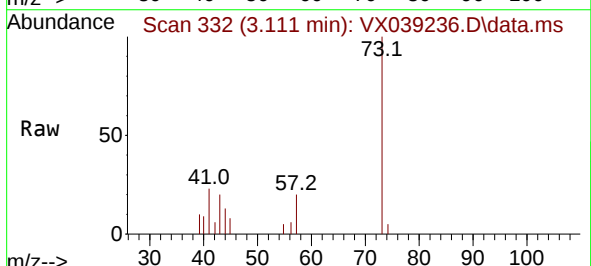
Tgt Ion: 73 Resp: 4593

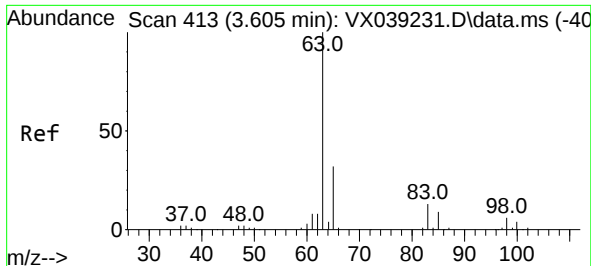
Ion Ratio Lower Upper

73 100

43 27.7 16.9 25.3#

57 21.8 18.5 27.7





#19

1,1-Dichloroethane

Concen: 16.686 ug/L

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX039236.D

Acq: 15 Dec 2023 18:21

Instrument :

MSVOA_X

ClientSampleId :

YCHG0

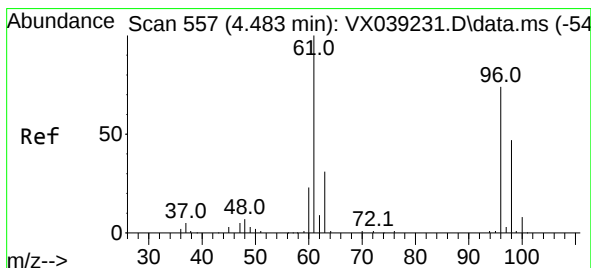
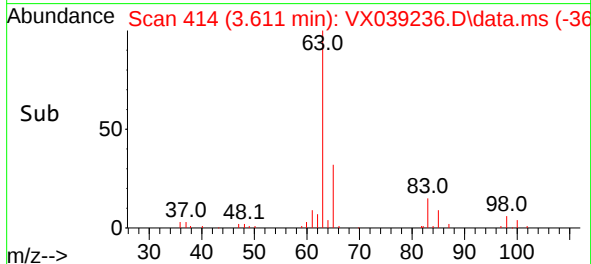
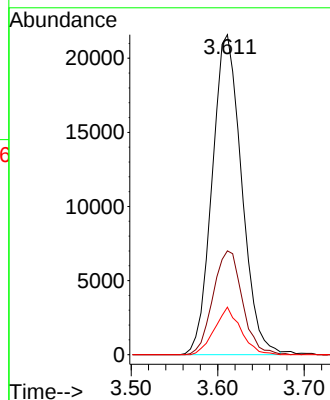
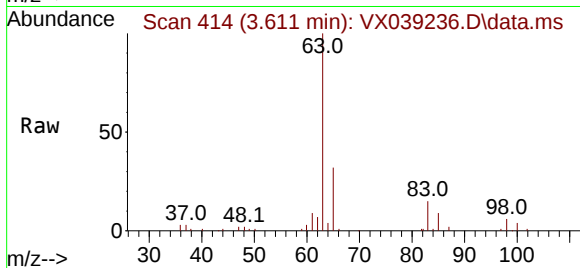
Tgt Ion: 63 Resp: 51037

Ion Ratio Lower Upper

63 100

65 32.4 21.1 39.3

83 14.9 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 2.293 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX039236.D

Acq: 15 Dec 2023 18:21

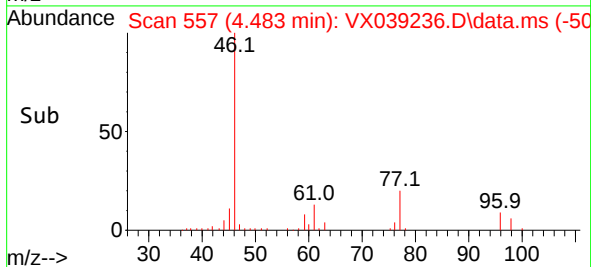
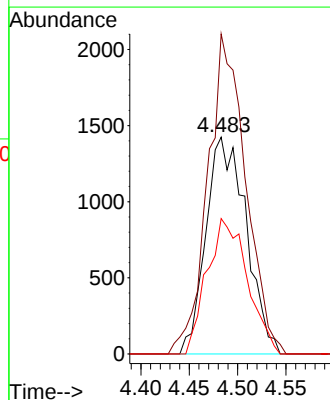
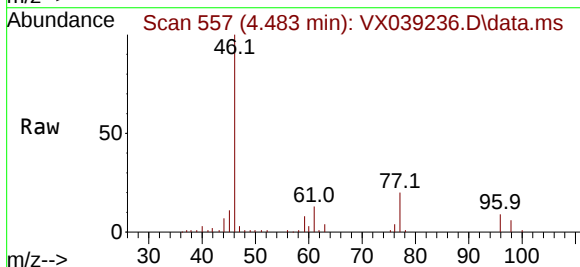
Tgt Ion: 96 Resp: 4115

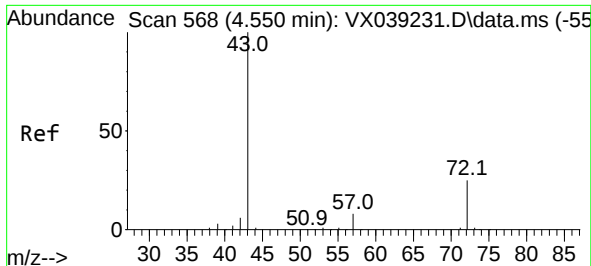
Ion Ratio Lower Upper

96 100

61 147.6 91.7 170.3

98 62.4 44.2 82.2

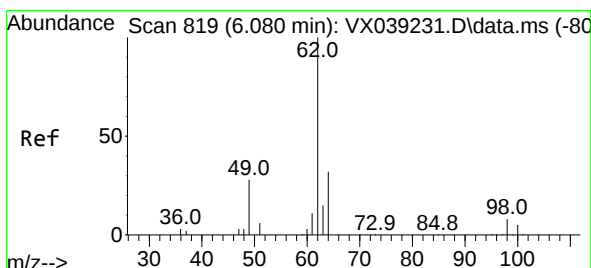
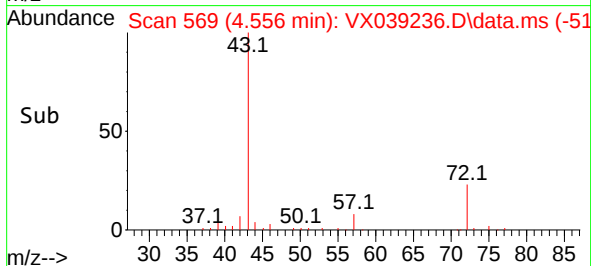
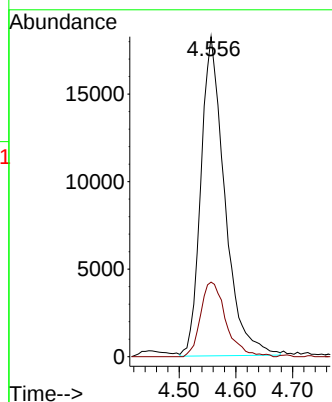
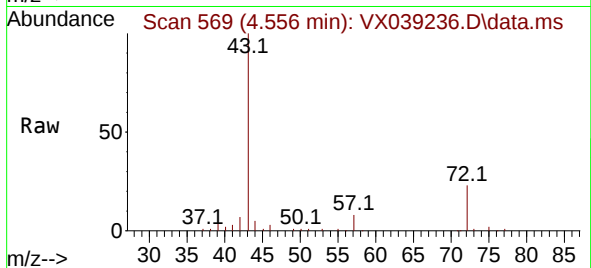




#22
2-Butanone
Concen: 27.992 ug/L
RT: 4.556 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX039236.D
Acq: 15 Dec 2023 18:21

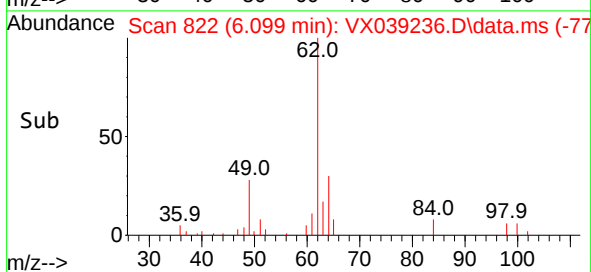
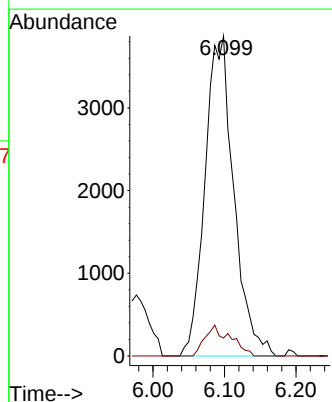
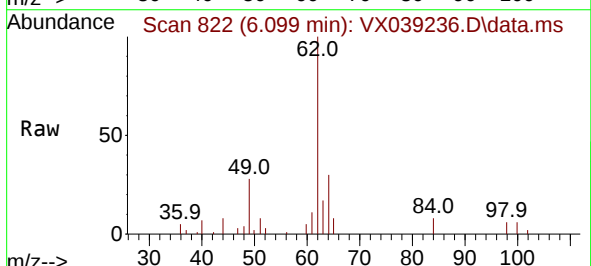
Instrument :
MSVOA_X
ClientSampleId :
YCHG0

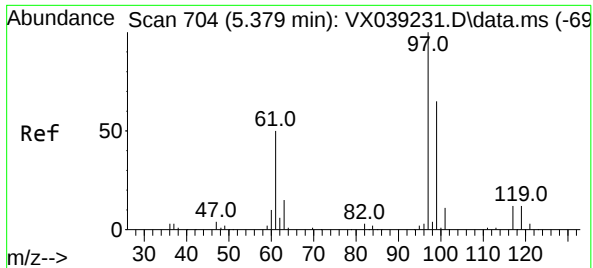
Tgt Ion: 43 Resp: 53400
Ion Ratio Lower Upper
43 100
72 24.6 12.6 37.6



#27
1,2-Dichloroethane
Concen: 4.497 ug/L
RT: 6.099 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX039236.D
Acq: 15 Dec 2023 18:21

Tgt Ion: 62 Resp: 10829
Ion Ratio Lower Upper
62 100
98 5.6 8.0 12.0#





#30
 1,1,1-Trichloroethane
 Concen: 21.069 ug/L
 RT: 5.385 min Scan# 705
 Delta R.T. 0.012 min
 Lab File: VX039236.D
 Acq: 15 Dec 2023 18:21

Instrument :
 MSVOA_X
 ClientSampleId :
 YCHG0

Tgt Ion: 97 Resp: 53768
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.0 76.4
 61 48.2 36.7 55.1

