

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
 Data File : VX039245.D
 Acq On : 15 Dec 2023 21:48
 Operator : JC/MD
 Sample : 05844-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YCHH4

Quant Time: Dec 16 01:53:27 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)

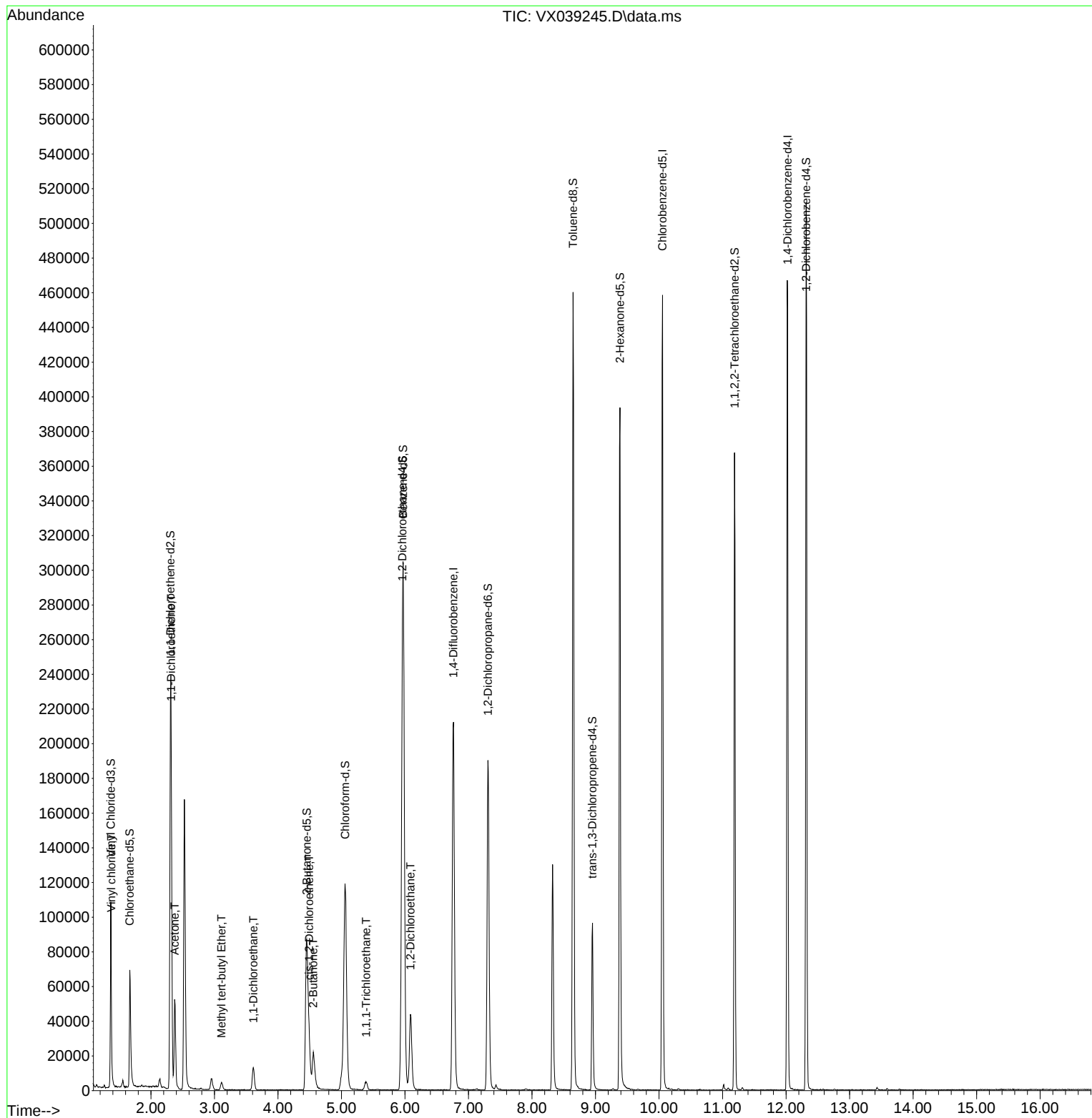
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	208342	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	190450	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	90960	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	63867	39.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.160%
7) Chloroethane-d5	1.666	69	51621	42.738	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.480%
11) 1,1-Dichloroethene-d2	2.306	65	34629	48.276	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.560%
21) 2-Butanone-d5	4.452	46	151618	102.500	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.500%
24) Chloroform-d	5.056	84	145613	50.337	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.680%
26) 1,2-Dichloroethane-d4	5.958	65	102973	54.964	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.920%
32) Benzene-d6	5.970	84	291679	49.625	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.240%
36) 1,2-Dichloropropane-d6	7.305	67	96054	50.781	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.560%
41) Toluene-d8	8.647	98	263697	49.506	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.020%
43) trans-1,3-Dichloroprop...	8.952	79	45071	46.823	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.640%
47) 2-Hexanone-d5	9.384	63	109659	97.064	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.060%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	138373	51.567	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.140%
66) 1,2-Dichlorobenzene-d4	12.317	152	91063	52.965	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.920%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.374	62	3578	2.090	ug/L #	65
12) 1,1-Dichloroethene	2.319	96	30206	22.505	ug/L #	56
13) Acetone	2.373	43	54318	38.224	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	4274	0.868	ug/L #	88
19) 1,1-Dichloroethane	3.611	63	14644	5.237	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	11563	7.049	ug/L	96
22) 2-Butanone	4.556	43	36264	20.794	ug/L	99
27) 1,2-Dichloroethane	6.086	62	47726	21.681	ug/L	97
30) 1,1,1-Trichloroethane	5.385	97	4532	1.961	ug/L #	87

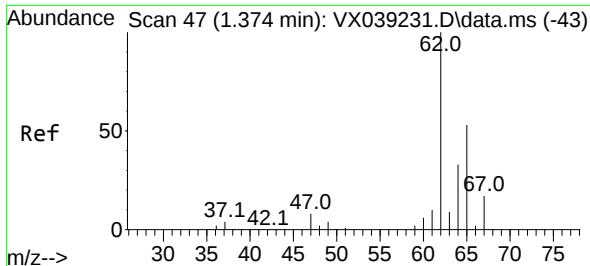
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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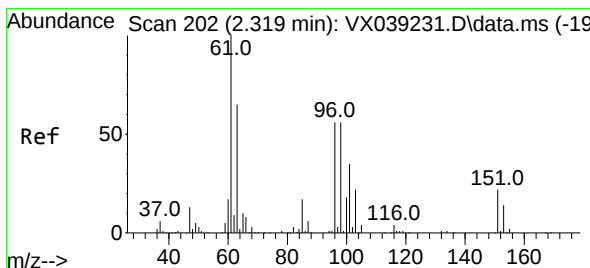
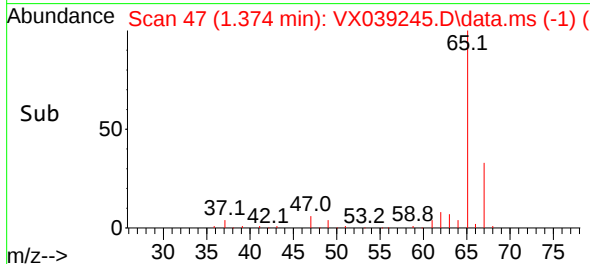
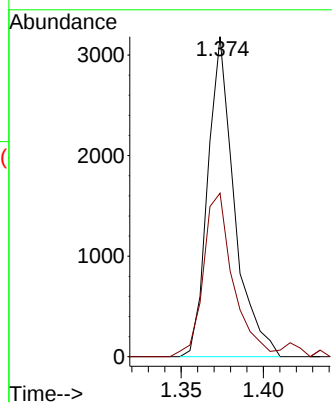
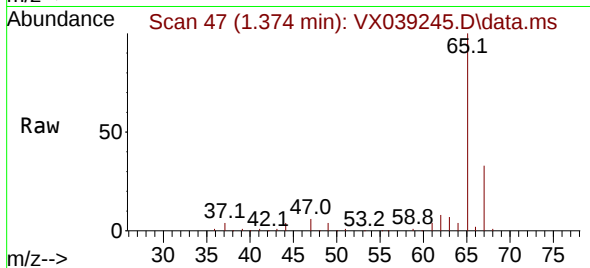




#5
 Vinyl chloride
 Concen: 2.090 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX039245.D
 Acq: 15 Dec 2023 21:48

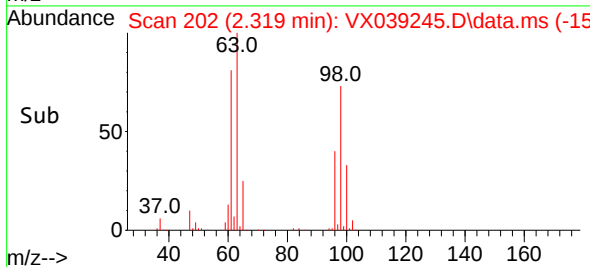
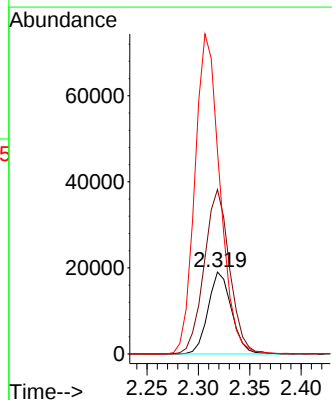
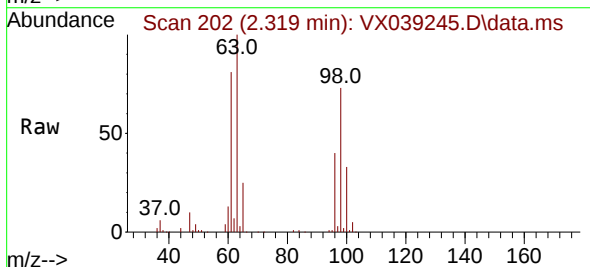
Instrument :
 MSVOA_X
 ClientSampleId :
 YCHH4

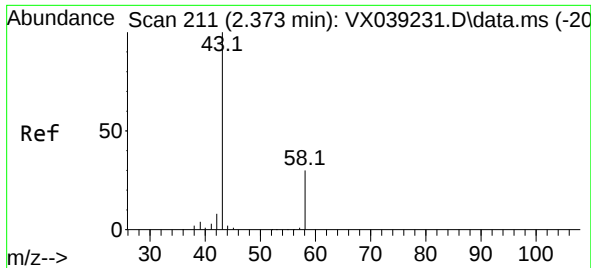
Tgt Ion: 62 Resp: 3578
 Ion Ratio Lower Upper
 62 100
 64 51.1 22.3 41.3#



#12
 1,1-Dichloroethene
 Concen: 22.505 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX039245.D
 Acq: 15 Dec 2023 21:48

Tgt Ion: 96 Resp: 30206
 Ion Ratio Lower Upper
 96 100
 61 201.0 128.0 237.6
 63 247.8 101.5 188.5#





#13

Acetone

Concen: 38.224 ug/L

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039245.D

Acq: 15 Dec 2023 21:48

Instrument :

MSVOA_X

ClientSampleId :

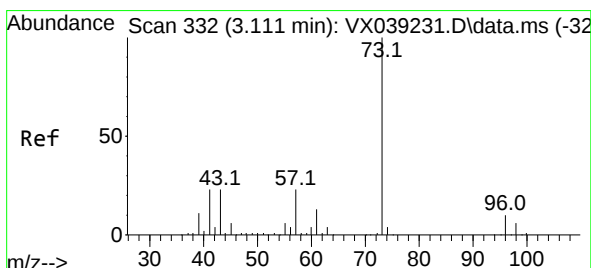
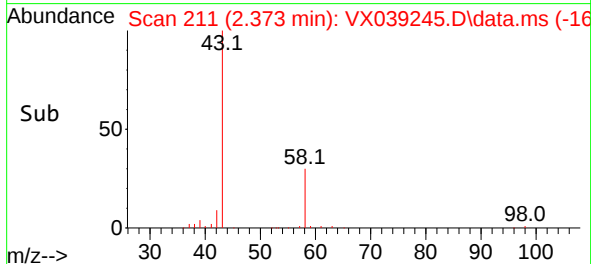
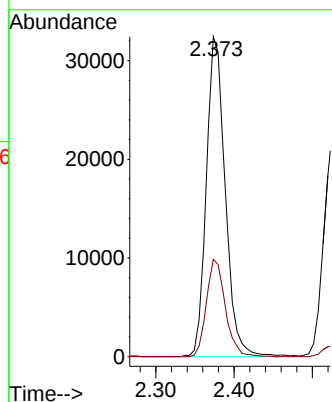
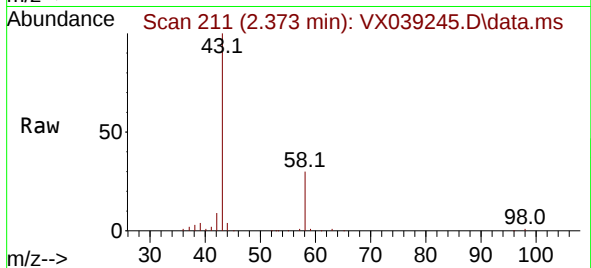
YCHH4

Tgt Ion: 43 Resp: 54318

Ion Ratio Lower Upper

43 100

58 30.3 0.0 65.8



#18

Methyl tert-butyl Ether

Concen: 0.868 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX039245.D

Acq: 15 Dec 2023 21:48

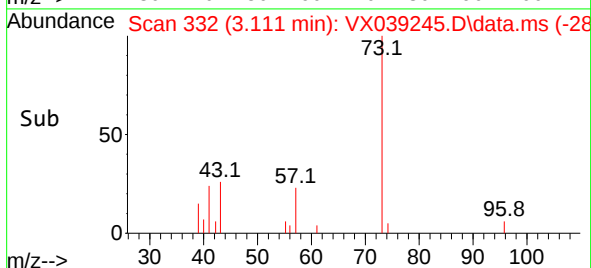
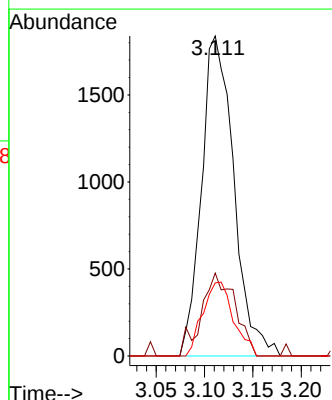
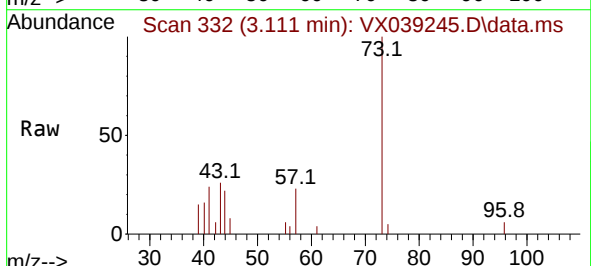
Tgt Ion: 73 Resp: 4274

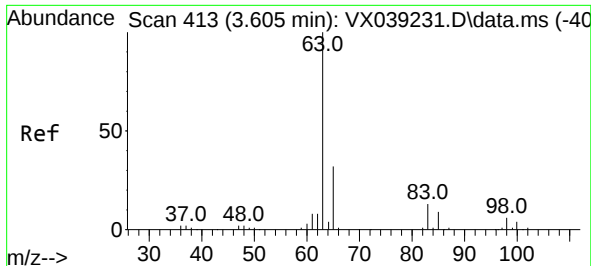
Ion Ratio Lower Upper

73 100

43 10.6 16.9 25.3#

57 22.0 18.5 27.7





#19

1,1-Dichloroethane

Concen: 5.237 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX039245.D

Acq: 15 Dec 2023 21:48

Instrument :

MSVOA_X

ClientSampleId :

YCHH4

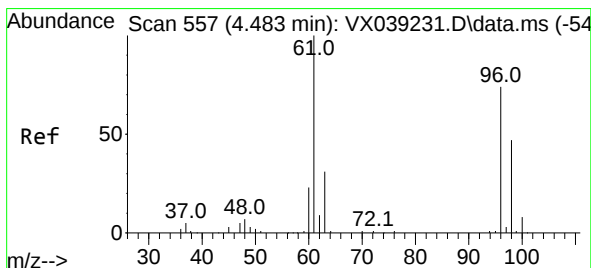
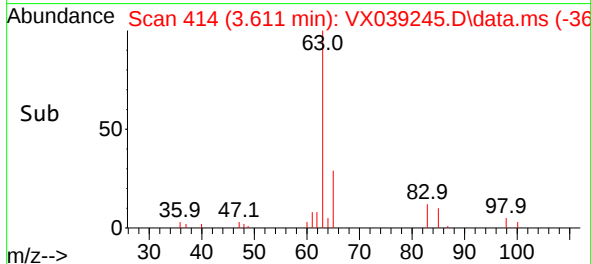
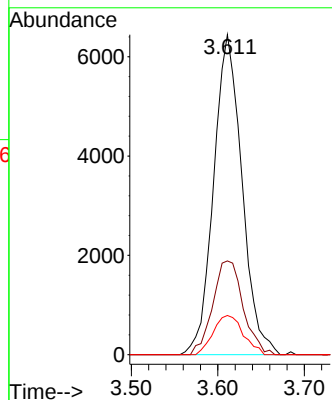
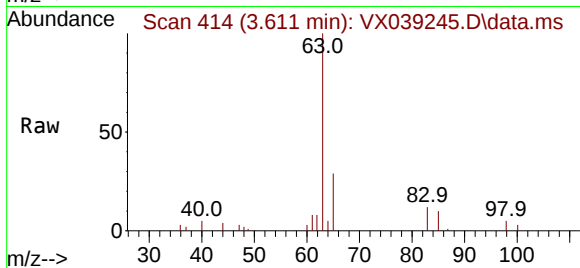
Tgt Ion: 63 Resp: 14644

Ion Ratio Lower Upper

63 100

65 29.3 21.1 39.3

83 12.3 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 7.049 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX039245.D

Acq: 15 Dec 2023 21:48

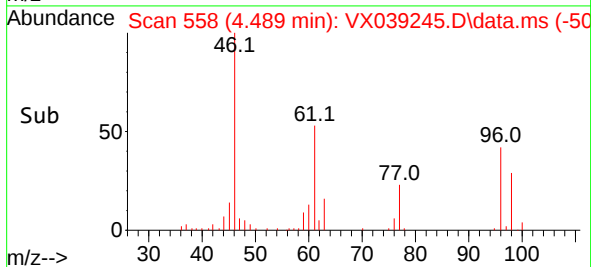
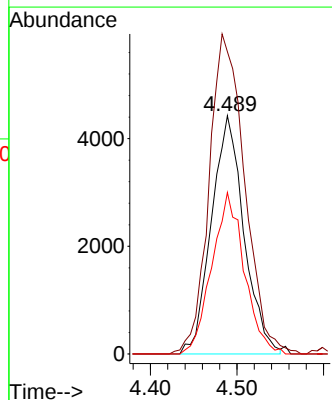
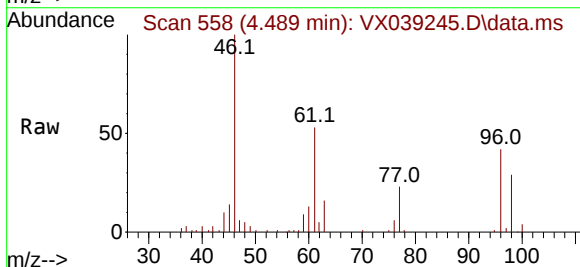
Tgt Ion: 96 Resp: 11563

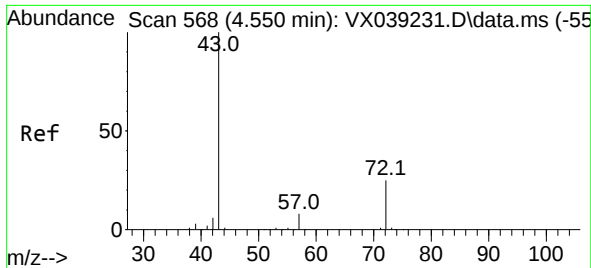
Ion Ratio Lower Upper

96 100

61 126.9 91.7 170.3

98 67.8 44.2 82.2

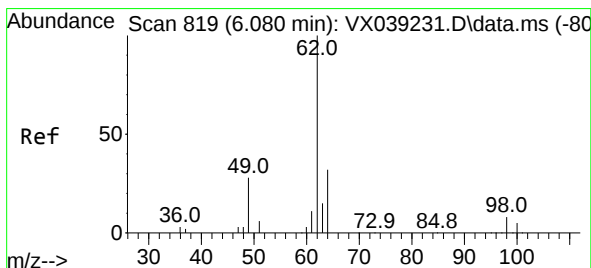
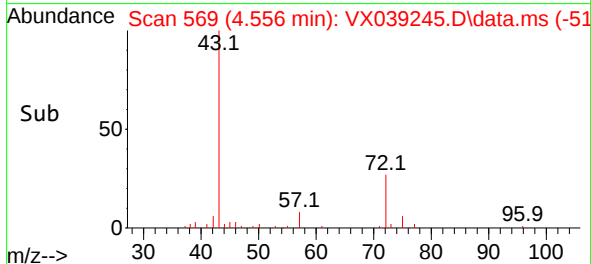
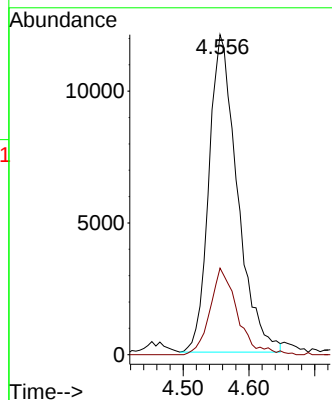
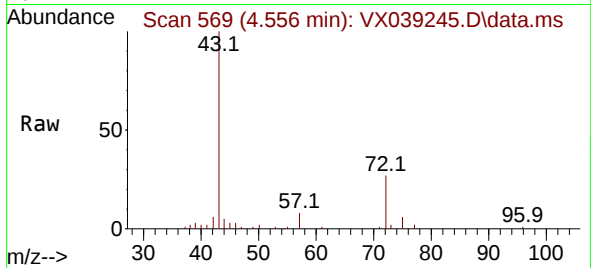




#22
2-Butanone
Concen: 20.794 ug/L
RT: 4.556 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX039245.D
Acq: 15 Dec 2023 21:48

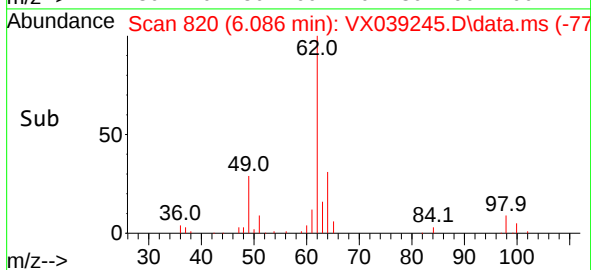
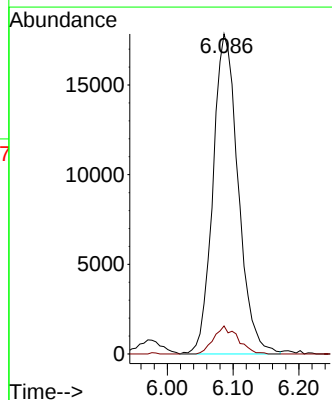
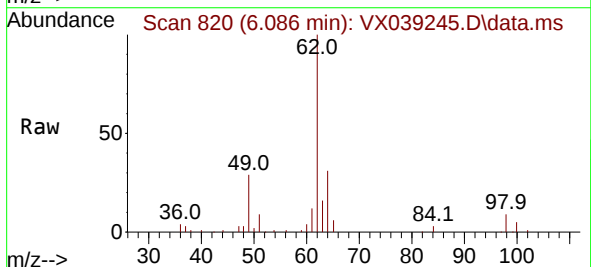
Instrument :
MSVOA_X
ClientSampleId :
YCHH4

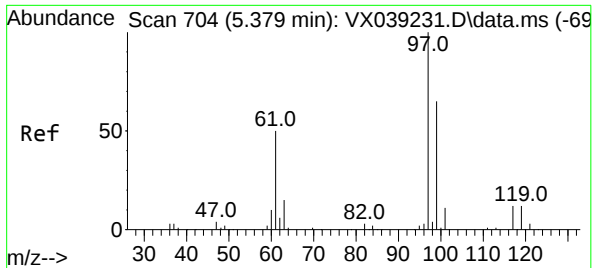
Tgt Ion: 43 Resp: 36264
Ion Ratio Lower Upper
43 100
72 25.8 12.6 37.6



#27
1,2-Dichloroethane
Concen: 21.681 ug/L
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX039245.D
Acq: 15 Dec 2023 21:48

Tgt Ion: 62 Resp: 47726
Ion Ratio Lower Upper
62 100
98 8.7 8.0 12.0





#30
 1,1,1-Trichloroethane
 Concen: 1.961 ug/L
 RT: 5.385 min Scan# 70
 Delta R.T. 0.012 min
 Lab File: VX039245.D
 Acq: 15 Dec 2023 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 YCHH4

Tgt Ion: 97 Resp: 4532
 Ion Ratio Lower Upper
 97 100
 99 62.6 51.0 76.4
 61 26.3 36.7 55.1#

