

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
 Data File : VX039235.D
 Acq On : 15 Dec 2023 17:58
 Operator : JC/MD
 Sample : 05844-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YCHF2

Quant Time: Dec 16 01:52:10 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)

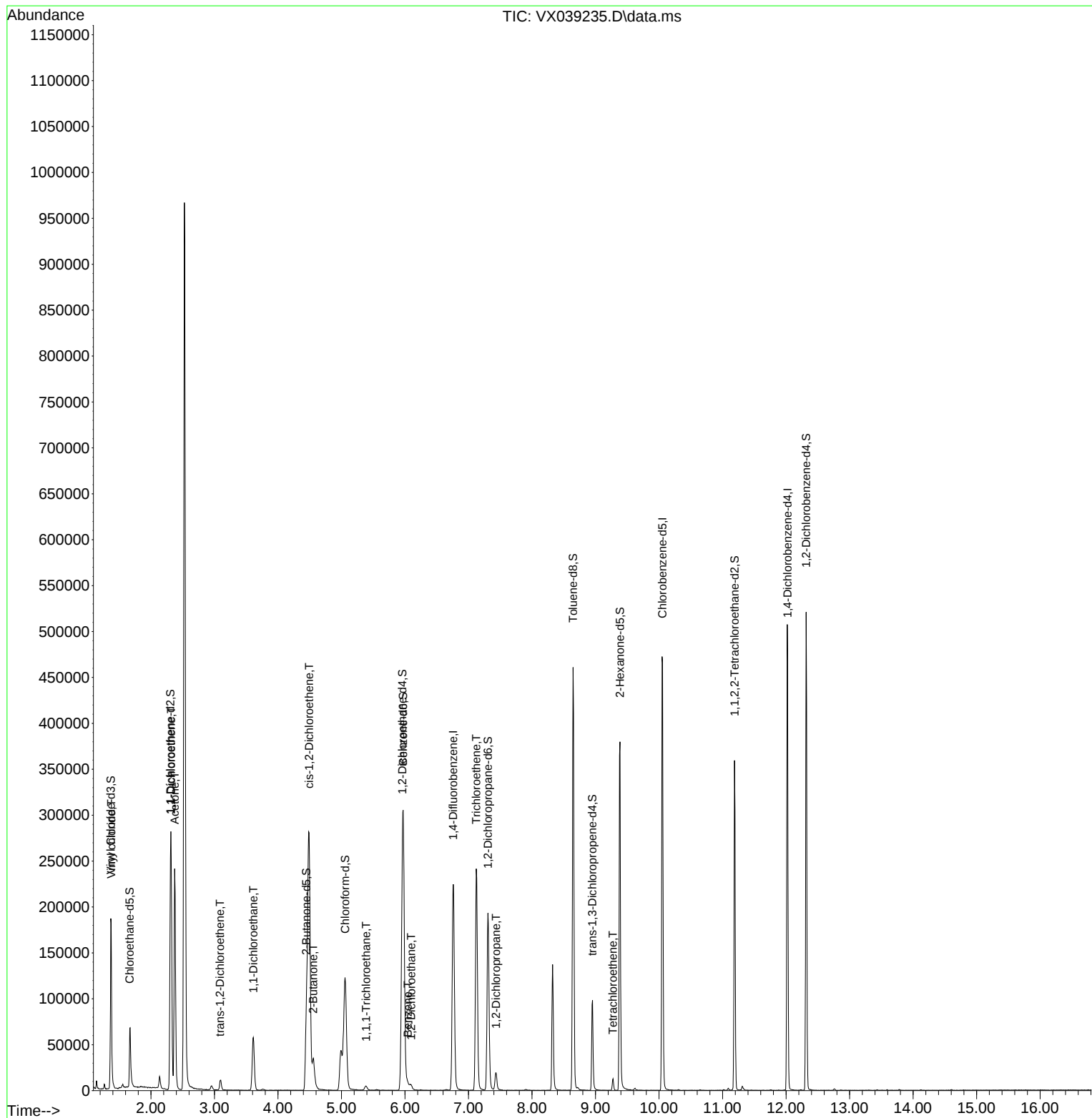
Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	221814	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	204156	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	95114	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	65718	37.774	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.540%
7) Chloroethane-d5	1.666	69	51647	40.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.320%
11) 1,1-Dichloroethene-d2	2.307	65	34663	45.388	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.780%
21) 2-Butanone-d5	4.446	46	149638	95.017	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.020%
24) Chloroform-d	5.056	84	149894	48.670	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.340%
26) 1,2-Dichloroethane-d4	5.958	65	104191	52.237	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.480%
32) Benzene-d6	5.970	84	296200	47.011	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.020%
36) 1,2-Dichloropropane-d6	7.306	67	97596	48.132	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.260%
41) Toluene-d8	8.647	98	268695	47.058	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.120%
43) trans-1,3-Dichloroprop...	8.952	79	46481	45.046	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.100%
47) 2-Hexanone-d5	9.384	63	109885	90.734	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.730%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	139576	48.524	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.040%
66) 1,2-Dichlorobenzene-d4	12.317	152	92006	51.176	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.360%
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	69790	38.299	ug/L	100
12) 1,1-Dichloroethene	2.319	96	47265	33.077	ug/L	83
13) Acetone	2.374	43	246285	162.788	ug/L	96
17) trans-1,2-Dichloroethene	3.087	96	4116	2.734	ug/L	89
19) 1,1-Dichloroethane	3.611	63	65565	22.024	ug/L	99
20) cis-1,2-Dichloroethene	4.489	96	160327	91.808	ug/L	97
22) 2-Butanone	4.556	43	57721	31.087	ug/L	99
27) 1,2-Dichloroethane	6.098	62	6299	2.688	ug/L	96
30) 1,1,1-Trichloroethane	5.385	97	3919	1.582	ug/L	96
33) Benzene	6.044	78	8489	1.308	ug/L	100
34) Trichloroethene	7.123	95	94547	55.142	ug/L	96
37) 1,2-Dichloropropane	7.434	63	8500	4.724	ug/L #	97
46) Tetrachloroethene	9.275	164	1640	1.450	ug/L	92

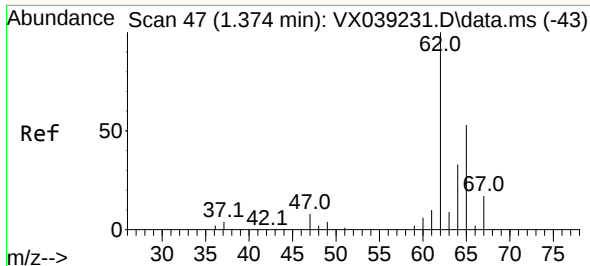
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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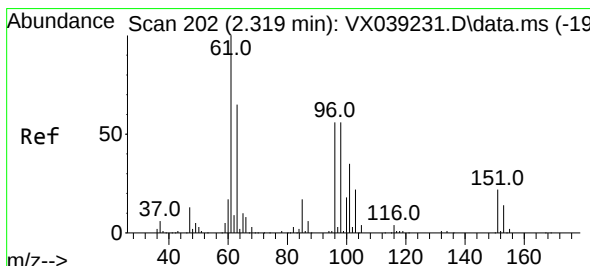
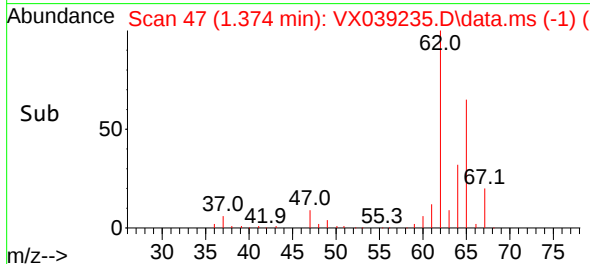
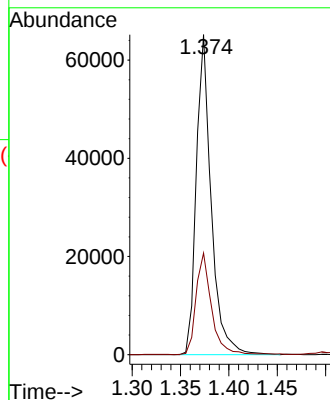
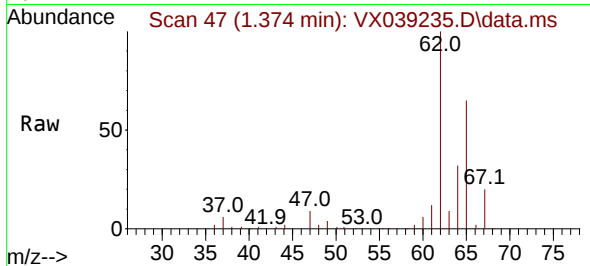




#5
 Vinyl chloride
 Concen: 38.299 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX039235.D
 Acq: 15 Dec 2023 17:58

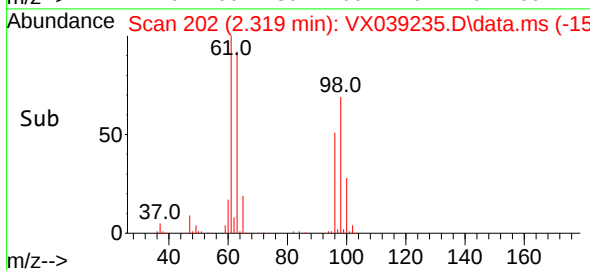
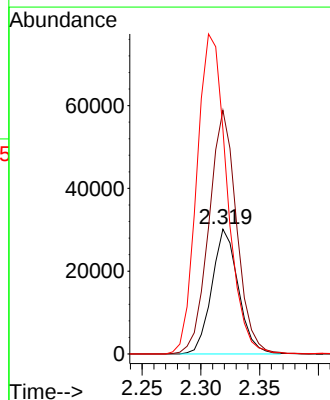
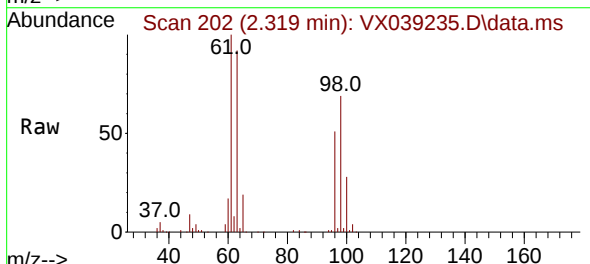
Instrument :
 MSVOA_X
 ClientSampleId :
 YCHF2

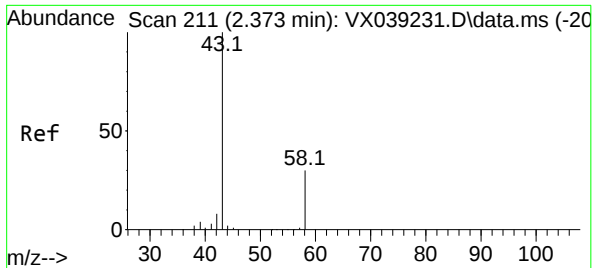
Tgt Ion: 62 Resp: 69790
 Ion Ratio Lower Upper
 62 100
 64 31.8 22.3 41.3



#12
 1,1-Dichloroethene
 Concen: 33.077 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX039235.D
 Acq: 15 Dec 2023 17:58

Tgt Ion: 96 Resp: 47265
 Ion Ratio Lower Upper
 96 100
 61 195.2 128.0 237.6
 63 179.9 101.5 188.5





#13

Acetone

Concen: 162.788 ug/L

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039235.D

Acq: 15 Dec 2023 17:58

Instrument :

MSVOA_X

ClientSampleId :

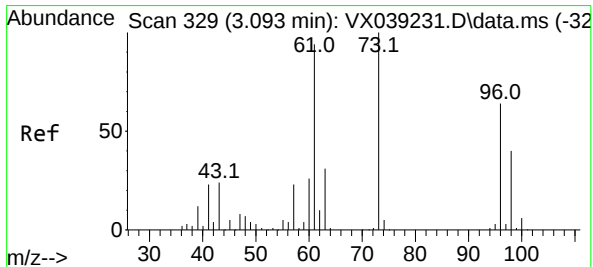
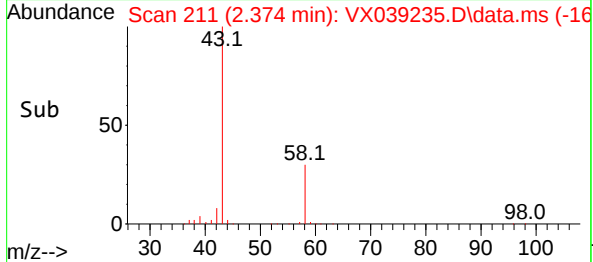
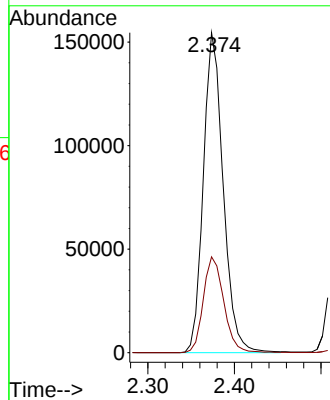
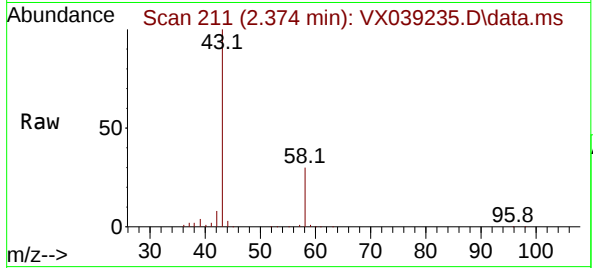
YCHF2

Tgt Ion: 43 Resp: 246285

Ion Ratio Lower Upper

43 100

58 30.8 0.0 65.8



#17

trans-1,2-Dichloroethene

Concen: 2.734 ug/L

RT: 3.087 min Scan# 328

Delta R.T. -0.000 min

Lab File: VX039235.D

Acq: 15 Dec 2023 17:58

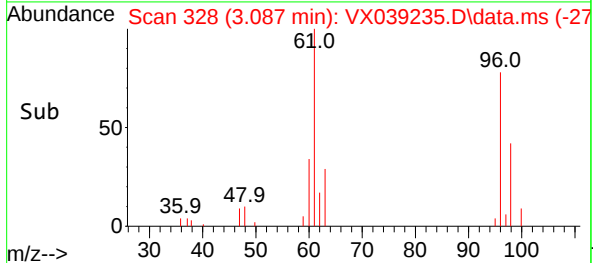
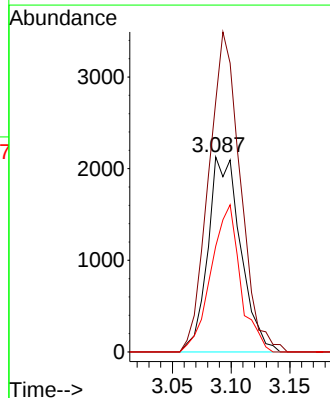
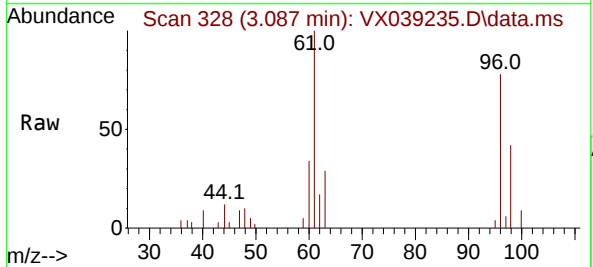
Tgt Ion: 96 Resp: 4116

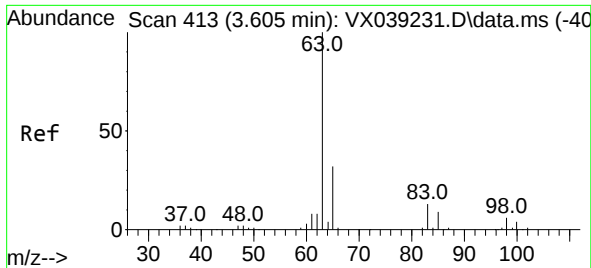
Ion Ratio Lower Upper

96 100

61 128.4 99.8 185.3

98 54.2 42.6 79.2





#19

1,1-Dichloroethane

Concen: 22.024 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX039235.D

Acq: 15 Dec 2023 17:58

Instrument :

MSVOA_X

ClientSampleId :

YCHF2

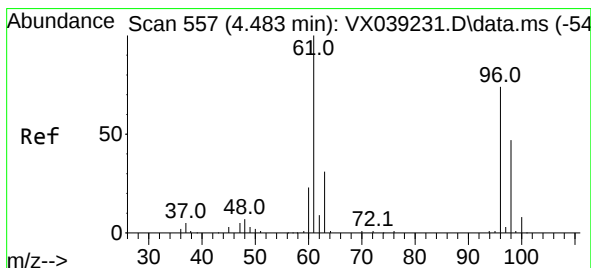
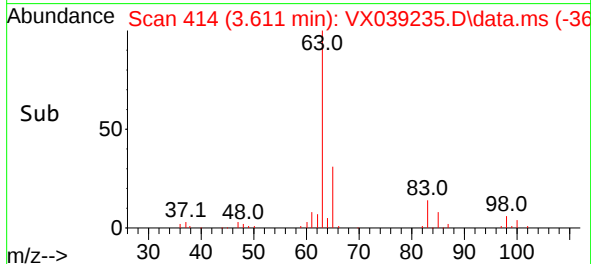
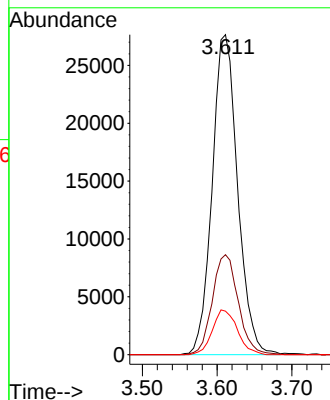
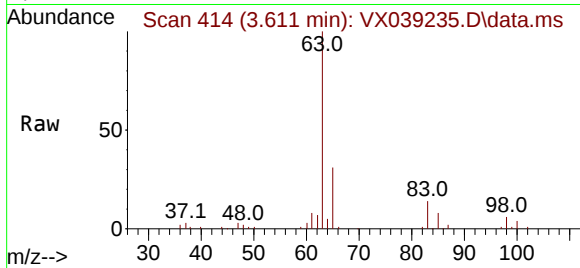
Tgt Ion: 63 Resp: 65565

Ion Ratio Lower Upper

63 100

65 31.2 21.1 39.3

83 13.6 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 91.808 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX039235.D

Acq: 15 Dec 2023 17:58

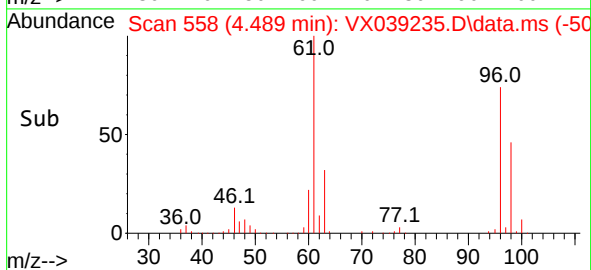
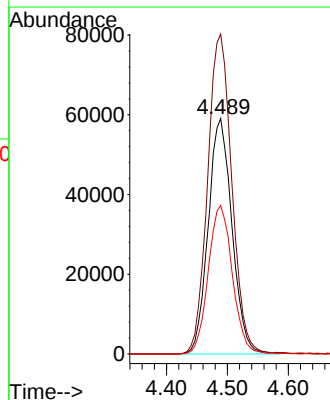
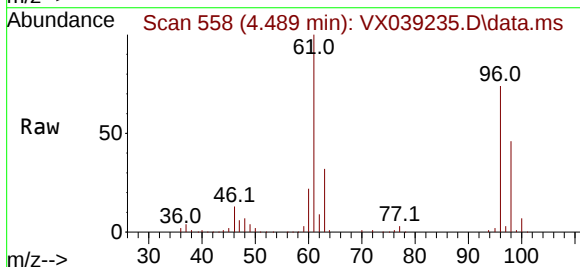
Tgt Ion: 96 Resp: 160327

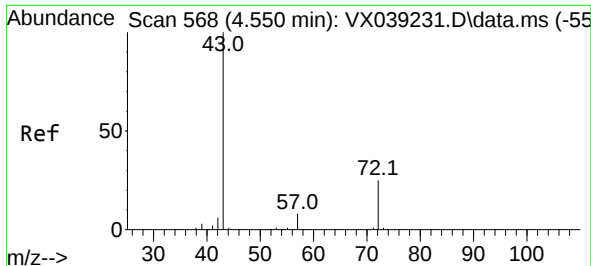
Ion Ratio Lower Upper

96 100

61 135.9 91.7 170.3

98 63.1 44.2 82.2





#22

2-Butanone

Concen: 31.087 ug/L

RT: 4.556 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX039235.D

Acq: 15 Dec 2023 17:58

Instrument :

MSVOA_X

ClientSampleId :

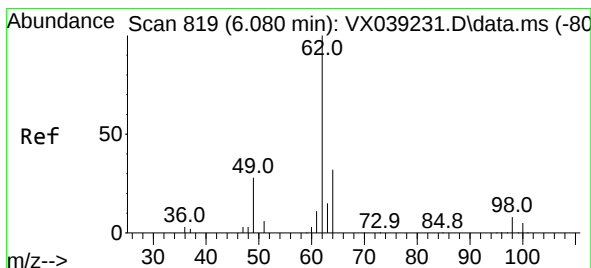
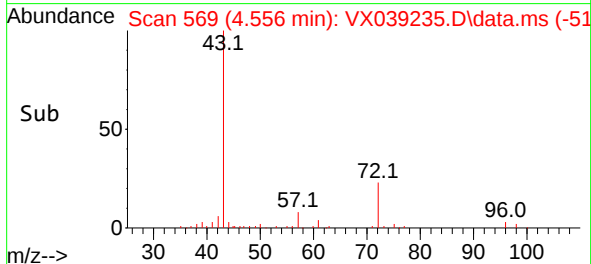
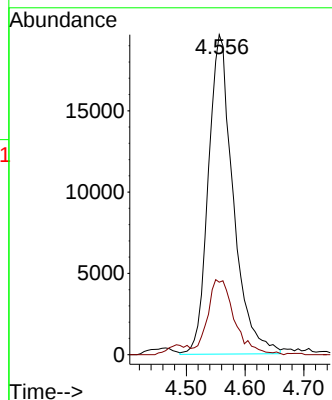
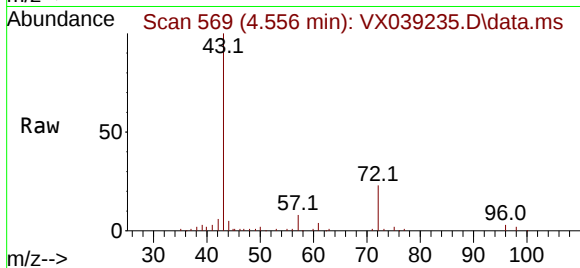
YCHF2

Tgt Ion: 43 Resp: 57721

Ion Ratio Lower Upper

43 100

72 24.7 12.6 37.6



#27

1,2-Dichloroethane

Concen: 2.688 ug/L

RT: 6.098 min Scan# 822

Delta R.T. 0.018 min

Lab File: VX039235.D

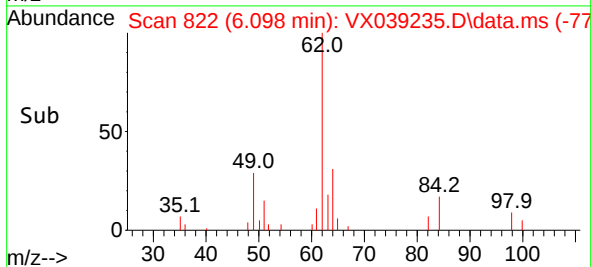
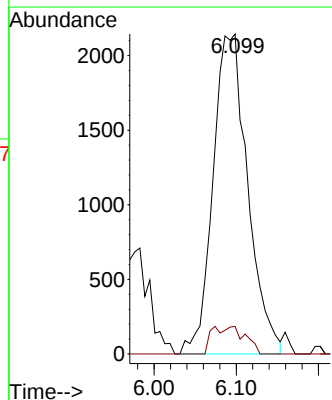
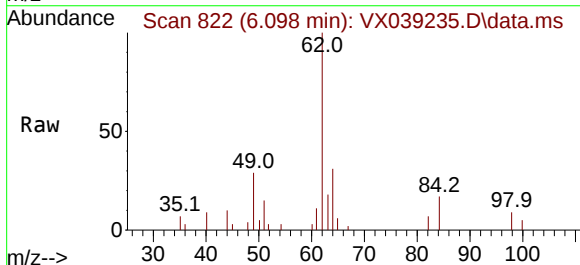
Acq: 15 Dec 2023 17:58

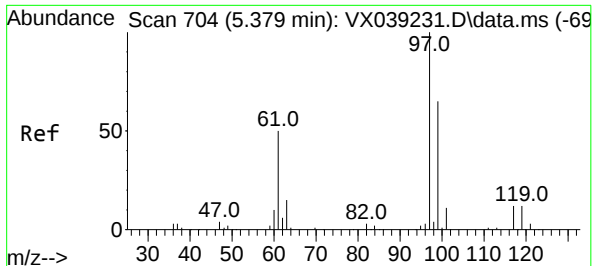
Tgt Ion: 62 Resp: 6299

Ion Ratio Lower Upper

62 100

98 8.6 8.0 12.0

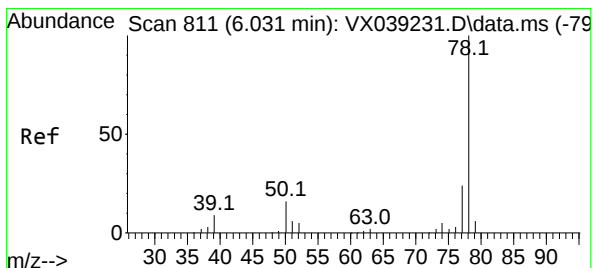
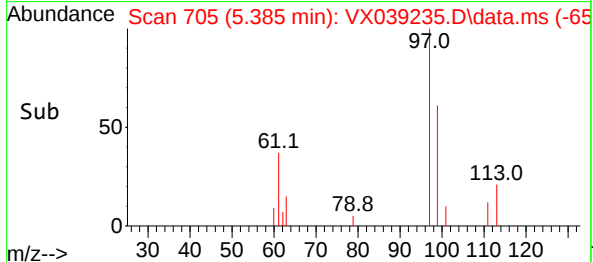
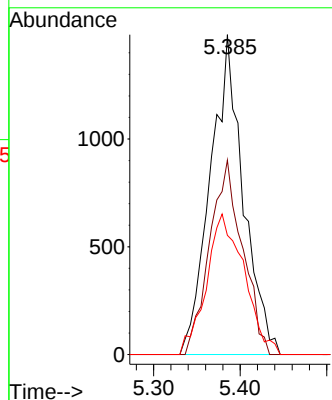
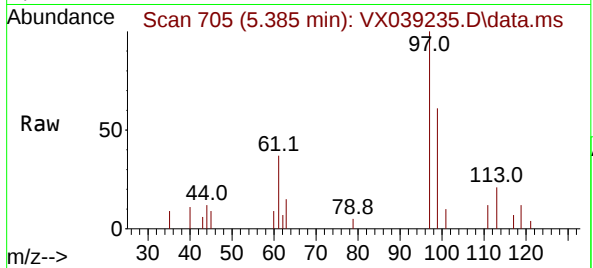




#30
1,1,1-Trichloroethane
Concen: 1.582 ug/L
RT: 5.385 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX039235.D
Acq: 15 Dec 2023 17:58

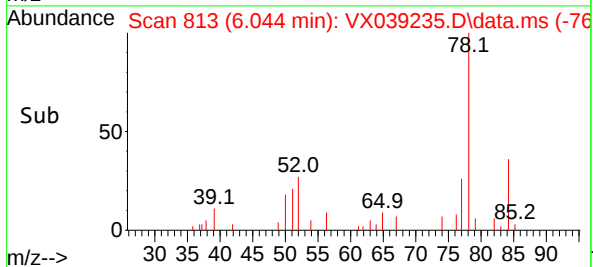
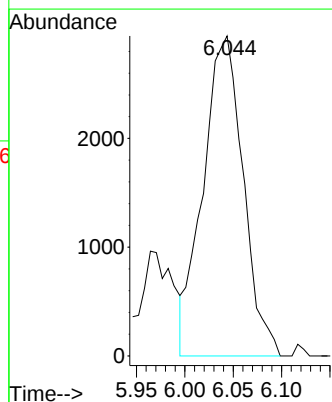
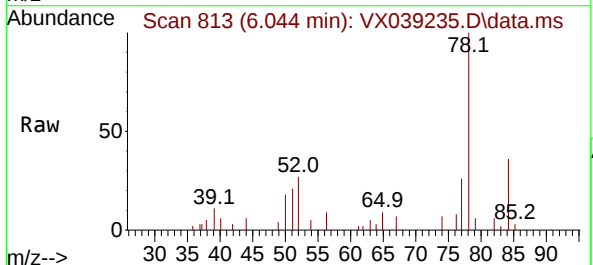
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YCHF2

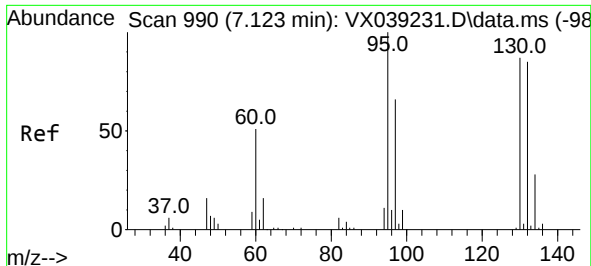
Tgt Ion: 97 Resp: 3919
Ion Ratio Lower Upper
97 100
99 60.6 51.0 76.4
61 49.2 36.7 55.1



#33
Benzene
Concen: 1.308 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX039235.D
Acq: 15 Dec 2023 17:58

Tgt Ion: 78 Resp: 8489

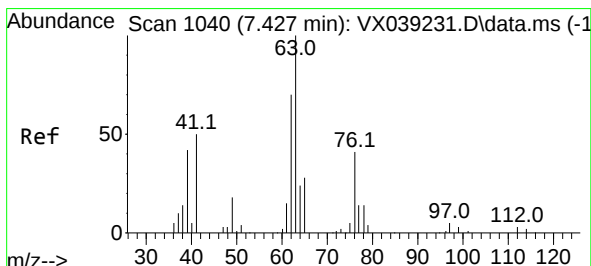
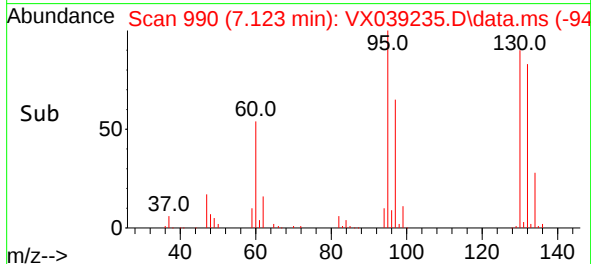
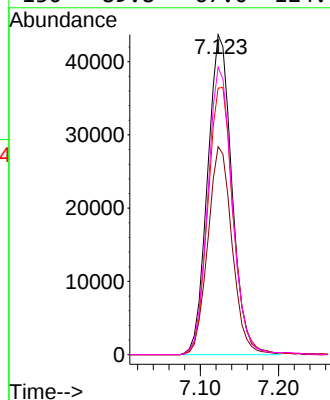
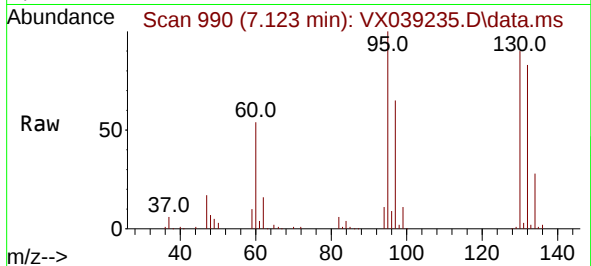




#34
Trichloroethene
Concen: 55.142 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX039235.D
Acq: 15 Dec 2023 17:58

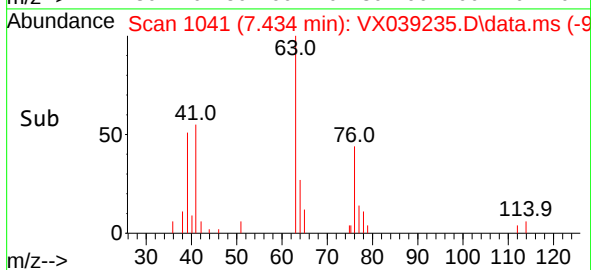
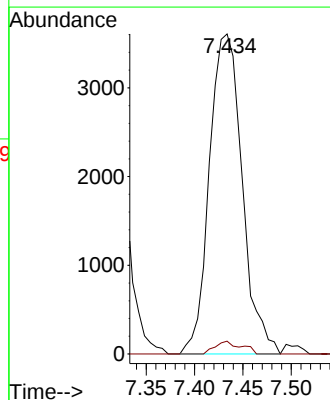
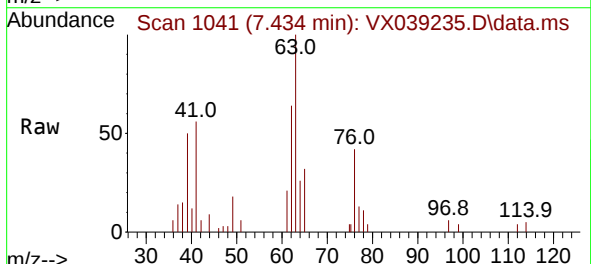
Instrument :
MSVOA_X
ClientSampleId :
YCHF2

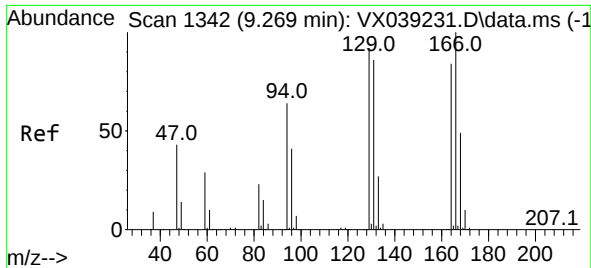
Tgt Ion: 95 Resp: 94547
Ion Ratio Lower Upper
95 100
97 65.0 45.5 84.5
132 83.3 62.2 115.4
130 89.8 67.0 124.4



#37
1,2-Dichloropropane
Concen: 4.724 ug/L
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX039235.D
Acq: 15 Dec 2023 17:58

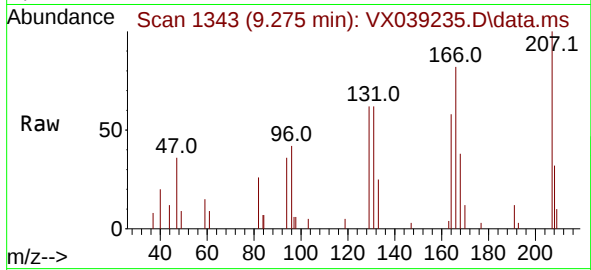
Tgt Ion: 63 Resp: 8500
Ion Ratio Lower Upper
63 100
112 2.4 2.8 4.2#





#46
 Tetrachloroethene
 Concen: 1.450 ug/L
 RT: 9.275 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX039235.D
 Acq: 15 Dec 2023 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 YCHF2



Tgt Ion:	164	Resp:	1640
Ion	Ratio	Lower	Upper
164	100		
129	107.3	71.9	133.5
131	107.5	69.5	129.1
166	141.1	90.3	167.7

