

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122723\
 Data File : VX039490.D
 Acq On : 27 Dec 2023 12:43
 Operator : JC/MD
 Sample : 05989-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 28 04:08:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 28 04:06:47 2023
 Response via : Initial Calibration

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

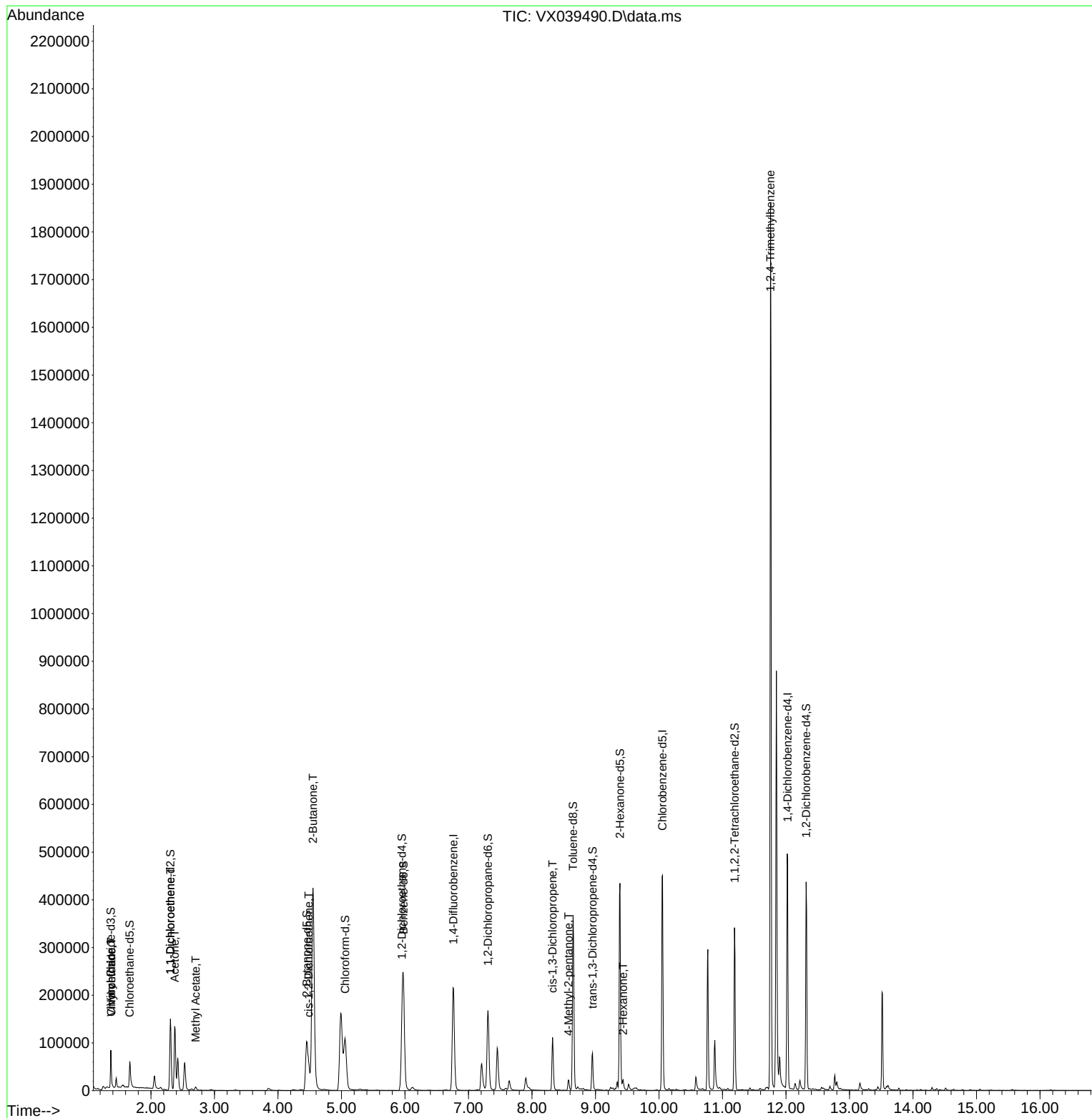
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	210481	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	194424	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	92748	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	49380	29.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.820%#
7) Chloroethane-d5	1.666	69	43036	35.268	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.540%
11) 1,1-Dichloroethene-d2	2.307	65	26607	36.715	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.440%
21) 2-Butanone-d5	4.453	46	172807	115.637	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.640%
24) Chloroform-d	5.056	84	124698	42.669	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.340%
26) 1,2-Dichloroethane-d4	5.952	65	85209	45.020	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.040%
32) Benzene-d6	5.977	84	239926	39.986	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.980%
36) 1,2-Dichloropropane-d6	7.306	67	82495	42.721	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.440%
41) Toluene-d8	8.647	98	213228	39.213	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.420%#
43) trans-1,3-Dichloroprop...	8.952	79	34637	35.248	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.500%
47) 2-Hexanone-d5	9.385	63	123515	107.094	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.090%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	129404	47.239	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.480%
66) 1,2-Dichlorobenzene-d4	12.317	152	77139	44.001	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
5) Vinyl chloride	1.374	62	1286	0.744	ug/L #	1
8) Chloroethane	1.374	64	936	0.957	ug/L	97
12) 1,1-Dichloroethene	2.307	96	660	0.487	ug/L #	1
13) Acetone	2.374	43	139203	96.964	ug/L	98
15) Methyl Acetate	2.703	43	8200	3.996	ug/L	94
20) cis-1,2-Dichloroethene	4.483	96	18102	10.924	ug/L	97
22) 2-Butanone	4.550	43	757557	429.974	ug/L	99
39) cis-1,3-Dichloropropene	8.324	75	2811	1.029	ug/L #	61
40) 4-Methyl-2-pentanone	8.574	43	13738	4.784	ug/L	99
48) 2-Hexanone	9.433	43	12296	5.116	ug/L	96
63) 1,2,4-Trimethylbenzene	11.756	105	3641	0.649	ug/L #	45

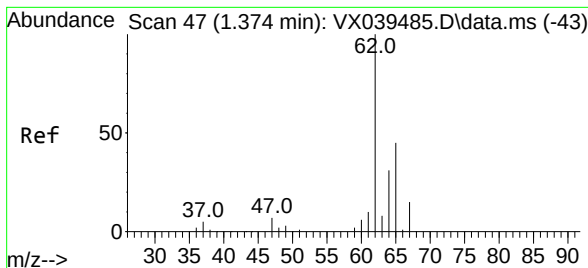
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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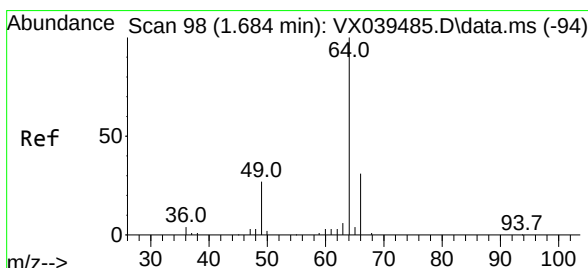
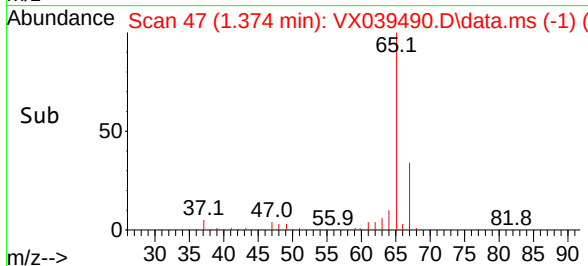
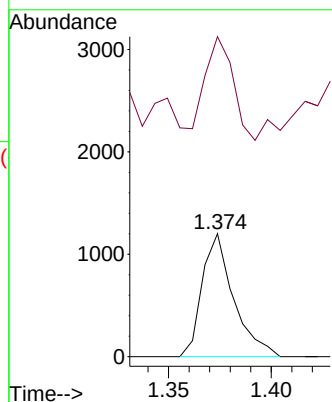
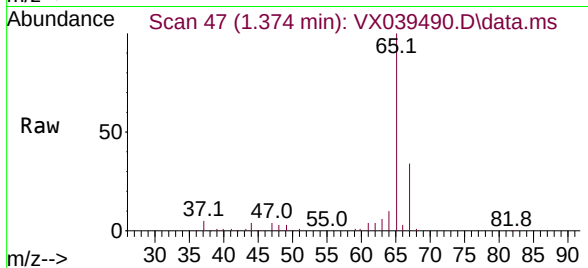




#5
 Vinyl chloride
 Concen: 0.744 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX039490.D
 Acq: 27 Dec 2023 12:43

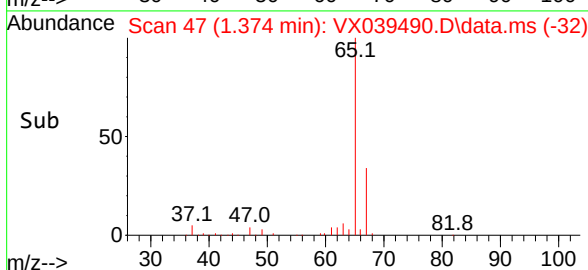
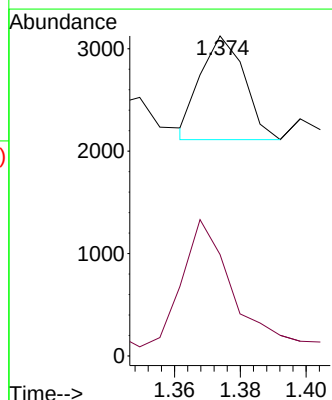
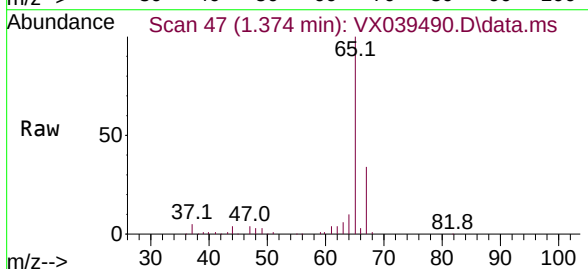
Instrument :
 MSVOA_X
 ClientSampleId :

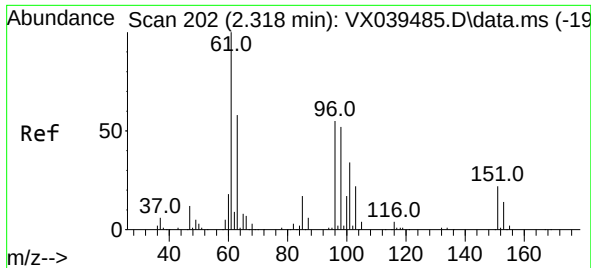
Tgt Ion: 62 Resp: 1286
 Ion Ratio Lower Upper
 62 100
 64 260.0 22.3 41.3#



#8
 Chloroethane
 Concen: 0.957 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. -0.311 min
 Lab File: VX039490.D
 Acq: 27 Dec 2023 12:43

Tgt Ion: 64 Resp: 936
 Ion Ratio Lower Upper
 64 100
 66 31.7 23.4 43.6

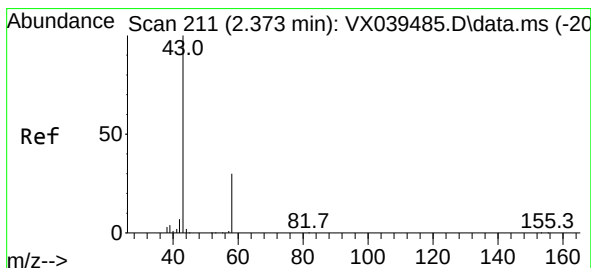
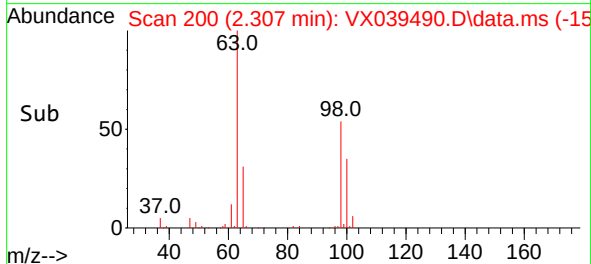
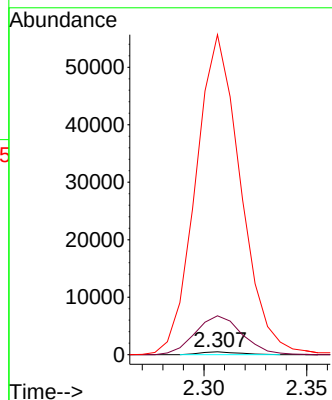
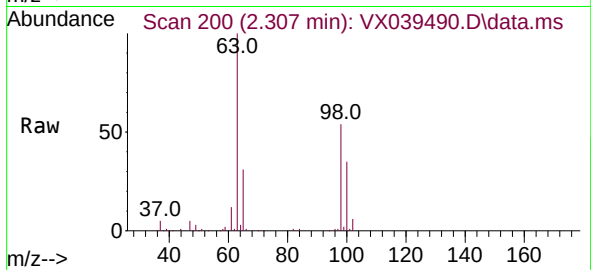




#12
1,1-Dichloroethene
Concen: 0.487 ug/L
RT: 2.307 min Scan# 202
Delta R.T. -0.012 min
Lab File: VX039490.D
Acq: 27 Dec 2023 12:43

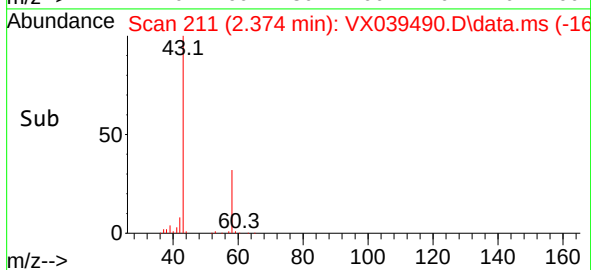
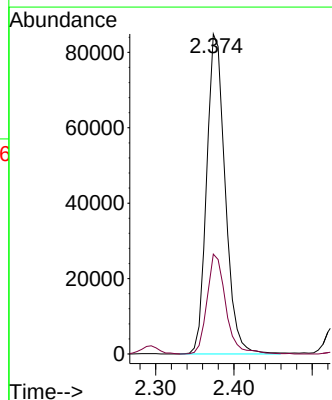
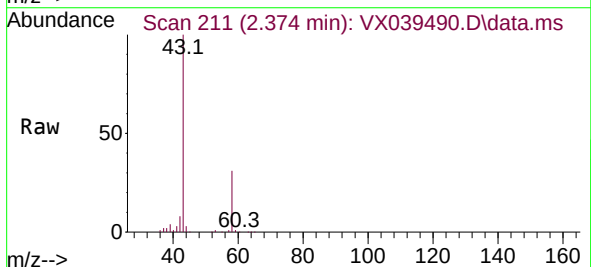
Instrument :
MSVOA_X
ClientSampleId :

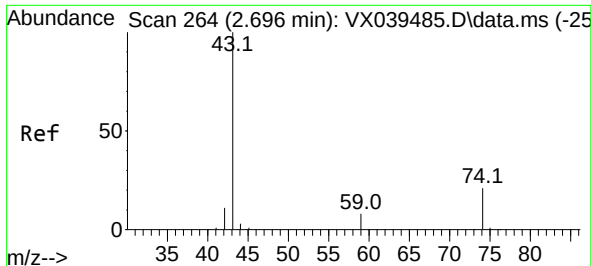
Tgt Ion: 96 Resp: 660
Ion Ratio Lower Upper
96 100
61 1373.6 128.0 237.6#
63 11315.4 101.5 188.5#



#13
Acetone
Concen: 96.964 ug/L
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039490.D
Acq: 27 Dec 2023 12:43

Tgt Ion: 43 Resp: 139203
Ion Ratio Lower Upper
43 100
58 31.5 0.0 65.8

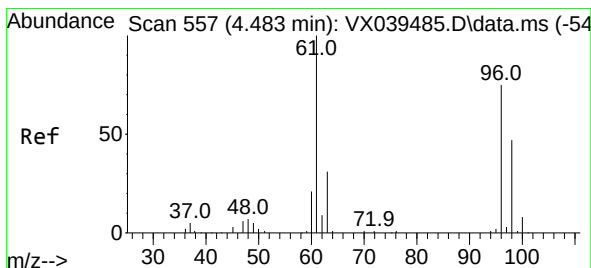
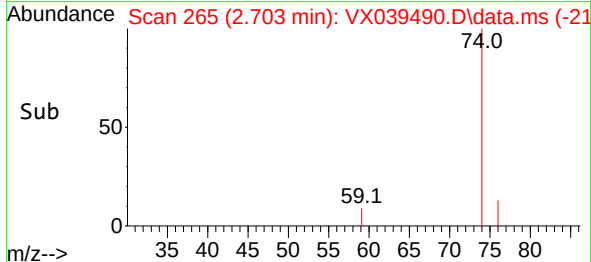
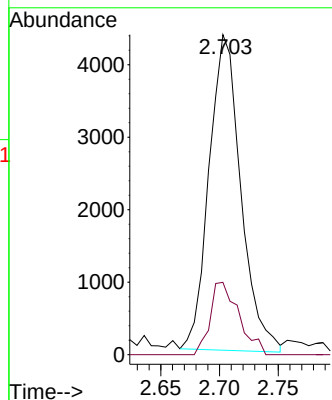
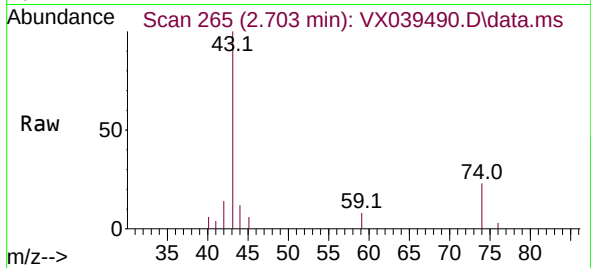




#15
Methyl Acetate
Concen: 3.996 ug/L
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039490.D
Acq: 27 Dec 2023 12:43

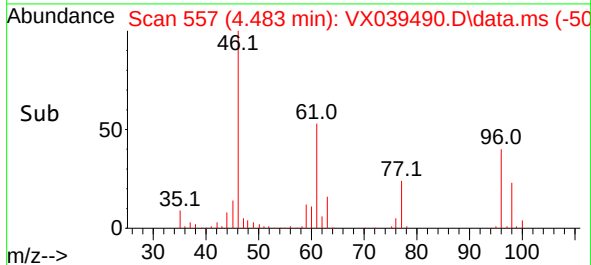
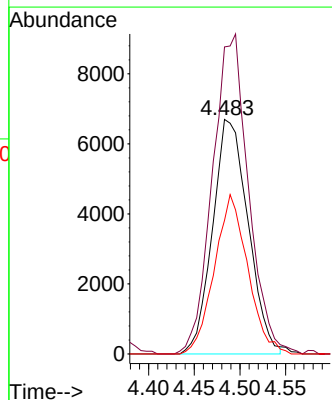
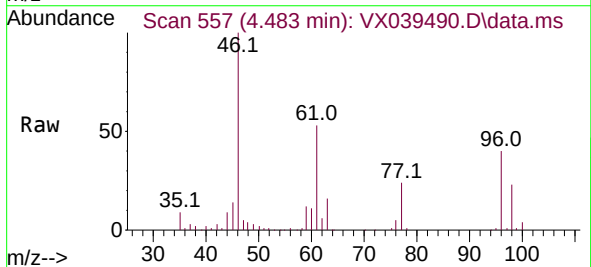
Instrument :
MSVOA_X
ClientSampleId :

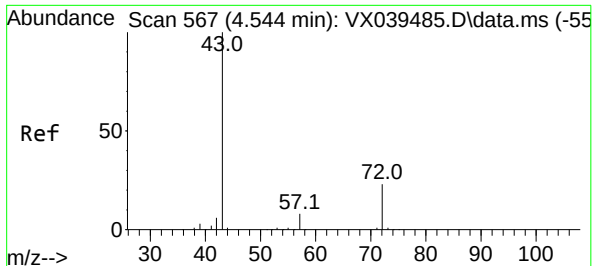
Tgt Ion: 43 Resp: 8200
Ion Ratio Lower Upper
43 100
74 19.7 18.2 27.4



#20
cis-1,2-Dichloroethene
Concen: 10.924 ug/L
RT: 4.483 min Scan# 557
Delta R.T. 0.000 min
Lab File: VX039490.D
Acq: 27 Dec 2023 12:43

Tgt Ion: 96 Resp: 18102
Ion Ratio Lower Upper
96 100
61 130.9 91.7 170.3
98 57.0 44.2 82.2

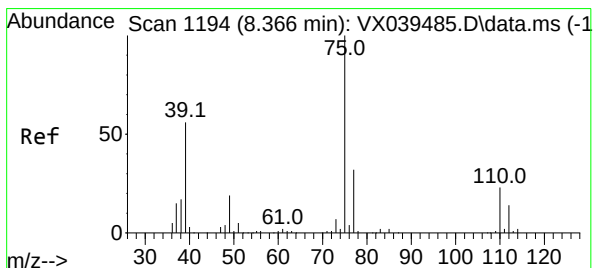
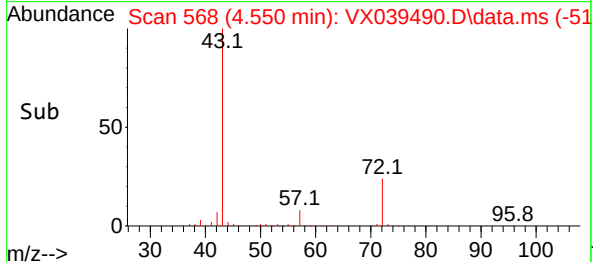
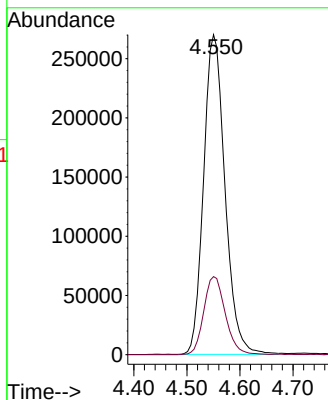
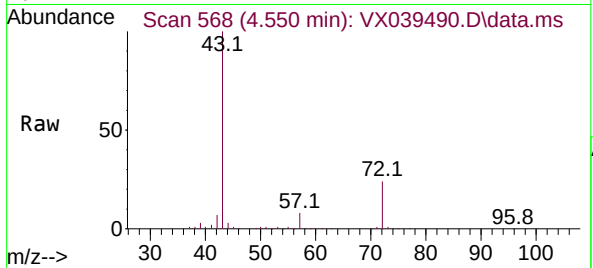




#22
2-Butanone
Concen: 429.974 ug/L
RT: 4.550 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX039490.D
Acq: 27 Dec 2023 12:43

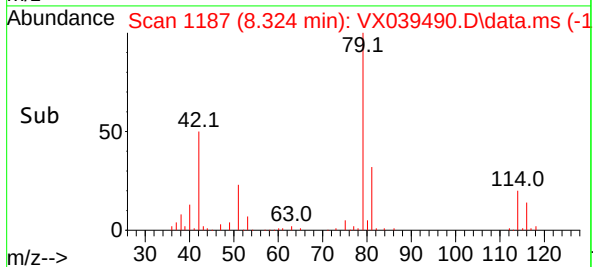
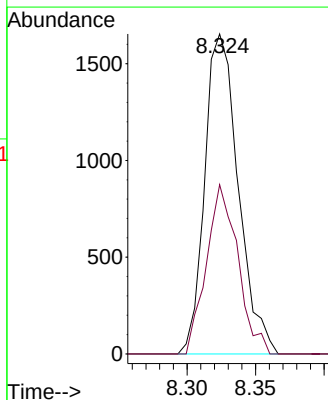
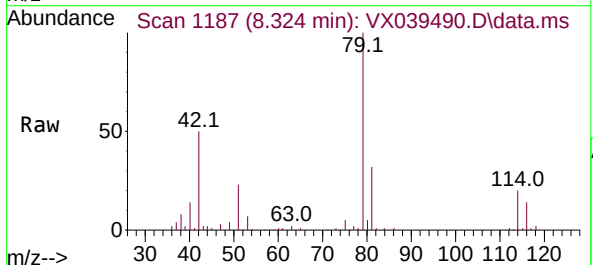
Instrument :
MSVOA_X
ClientSampleId :

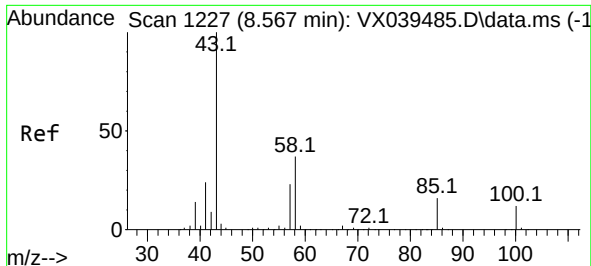
Tgt Ion: 43 Resp: 757557
Ion Ratio Lower Upper
43 100
72 24.6 12.6 37.6



#39
cis-1,3-Dichloropropene
Concen: 1.029 ug/L
RT: 8.324 min Scan# 1187
Delta R.T. -0.042 min
Lab File: VX039490.D
Acq: 27 Dec 2023 12:43

Tgt Ion: 75 Resp: 2811
Ion Ratio Lower Upper
75 100
77 52.9 22.0 40.8#





#40

4-Methyl-2-pentanone

Concen: 4.784 ug/L

RT: 8.574 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039490.D

Acq: 27 Dec 2023 12:43

Instrument :

MSVOA_X

ClientSampleId :

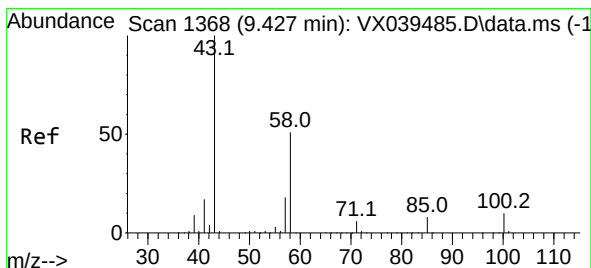
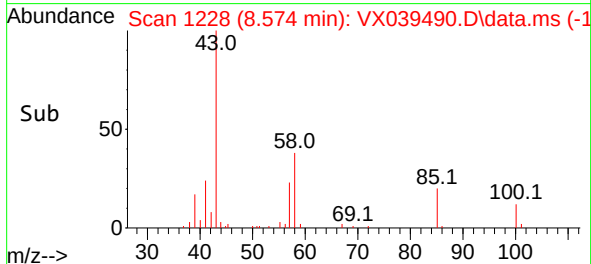
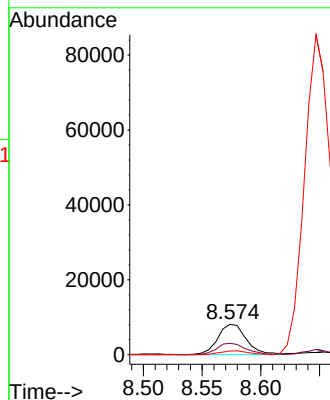
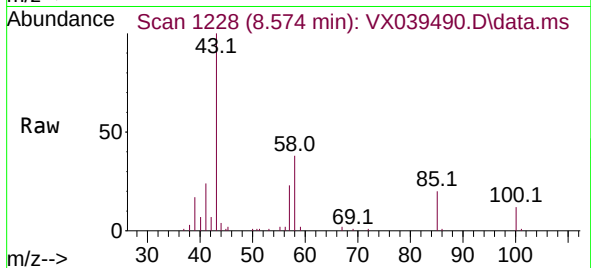
Tgt Ion: 43 Resp: 13738

Ion Ratio Lower Upper

43 100

58 38.1 30.9 46.3

100 12.6 10.6 16.0



#48

2-Hexanone

Concen: 5.116 ug/L

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX039490.D

Acq: 27 Dec 2023 12:43

Tgt Ion: 43 Resp: 12296

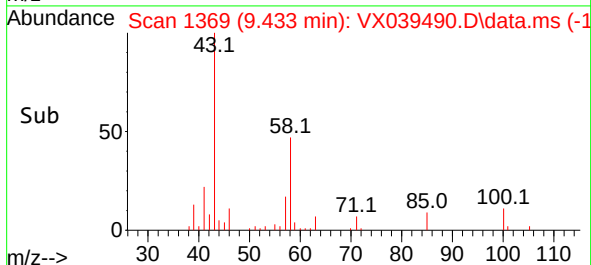
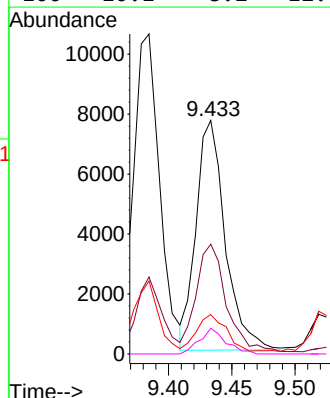
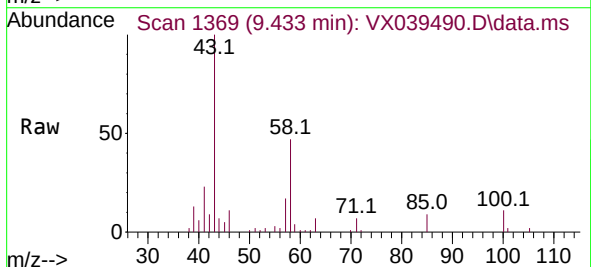
Ion Ratio Lower Upper

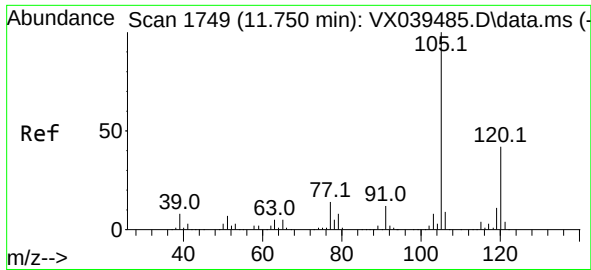
43 100

58 51.0 43.0 64.6

57 15.9 14.6 21.8

100 10.1 8.2 12.4





#63

1,2,4-Trimethylbenzene

Concen: 0.649 ug/L

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

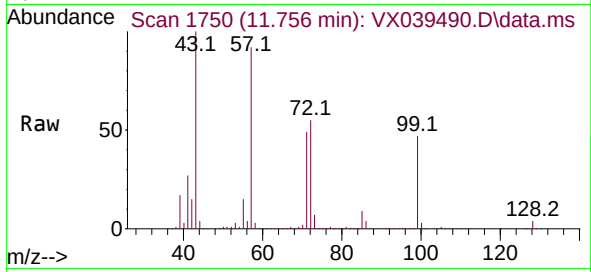
Lab File: VX039490.D

Acq: 27 Dec 2023 12:43

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:105 Resp: 3641

Ion Ratio Lower Upper

105 100

120 8.5 34.9 52.3#

