

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042302.D
 Acq On : 12 Jul 2024 15:02
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 03:27:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

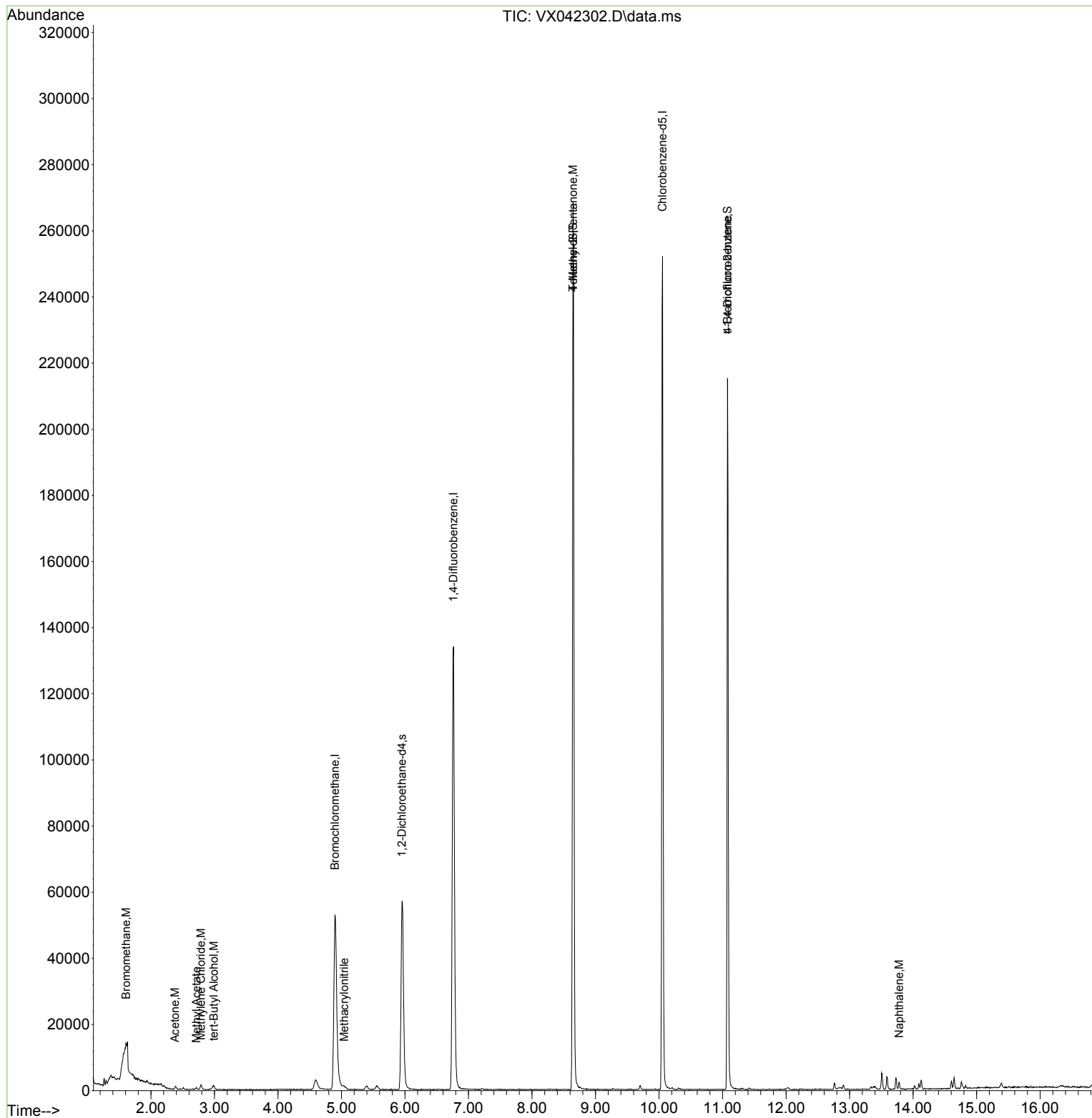
Internal Standards						
1) Bromochloromethane	4.897	128	27813	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	151699	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	132060	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	55738	29.112	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.033%
60) 4-Bromofluorobenzene	11.079	95	56397	27.589	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.967%
63) Toluene-d8	8.647	98	169662	30.029	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.100%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	252	0.240	ug/l	94
12) Methyl Acetate	2.715	43	656	0.303	ug/l	98
15) Acetone	2.380	58	275	0.935	ug/l #	12
18) Methylene Chloride	2.788	84	733	0.376	ug/l	93
23) tert-Butyl Alcohol	2.989	59	1892	4.948	ug/l #	100
35) Methacrylonitrile	5.044	41	301	0.227	ug/l #	25
58) 4-Methyl-2-Pentanone	8.647	43	589	0.249	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	24770	32.425	ug/l #	7
91) Naphthalene	13.780	128	1871	0.236	ug/l	95

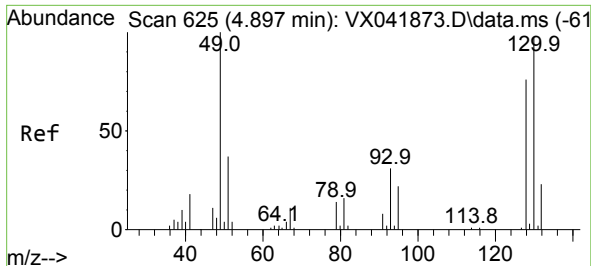
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
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MSVOA_X
ClientSampleId :

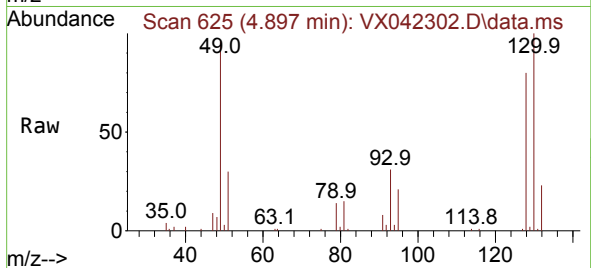
Quant Time: Jul 15 03:27:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



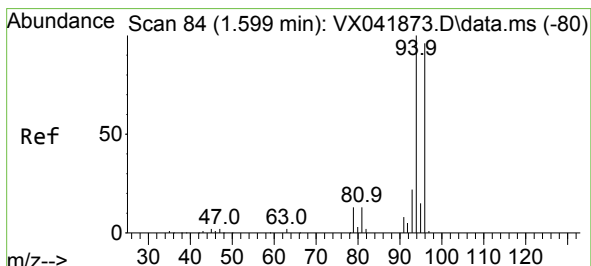
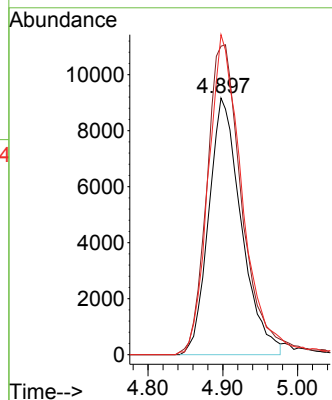
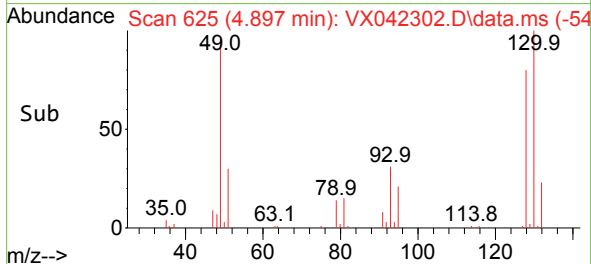


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

Instrument :
MSVOA_X
ClientSampleId :

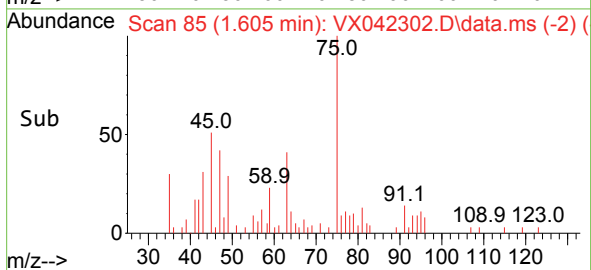
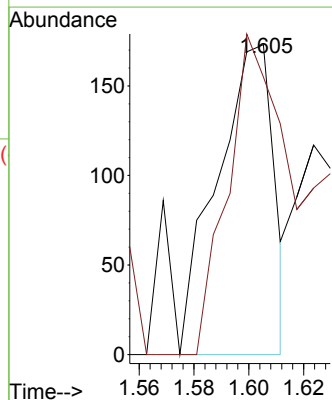
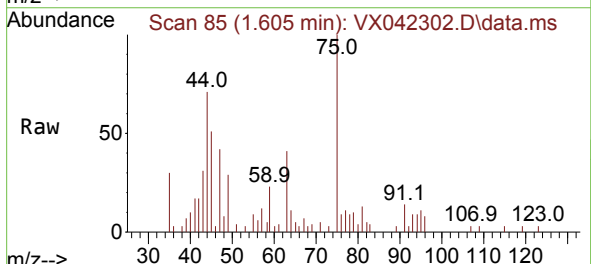


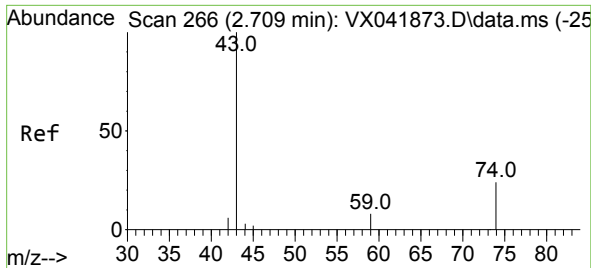
Tgt Ion:128 Resp: 27813
Ion Ratio Lower Upper
128 100
49 131.0 0.0 338.5
130 129.8 0.0 324.5



#5
Bromomethane
Concen: 0.240 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 89.6 76.6 115.0

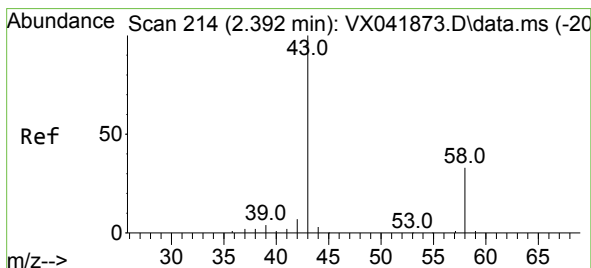
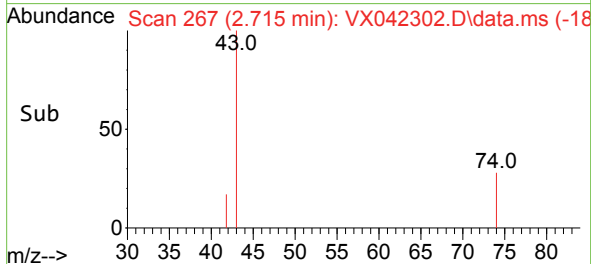
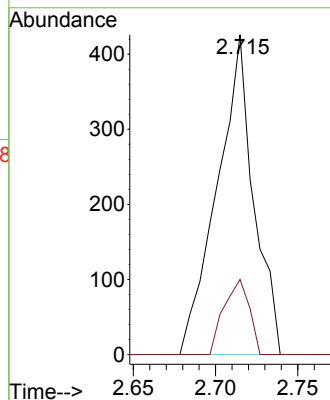
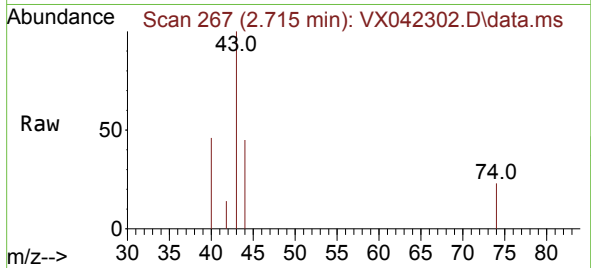




#12
Methyl Acetate
Concen: 0.303 ug/l
RT: 2.715 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

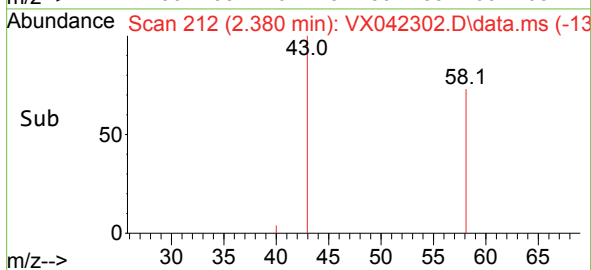
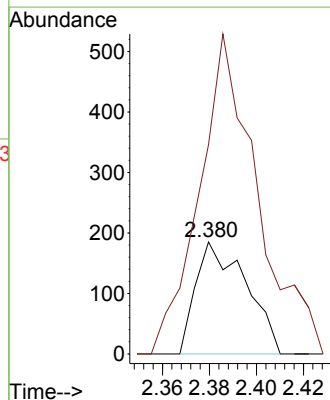
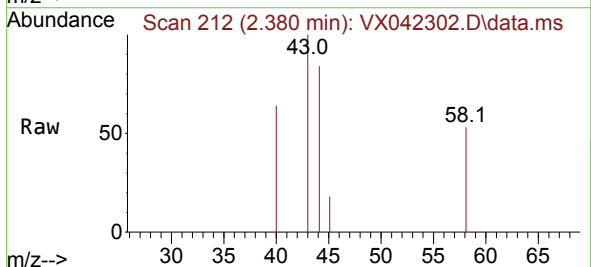
Instrument :
MSVOA_X
ClientSampleId :

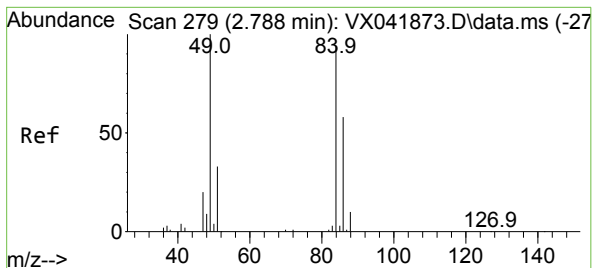
Tgt Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2



#15
Acetone
Concen: 0.935 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

Tgt Ion: 58 Resp: 275
Ion Ratio Lower Upper
58 100
43 129.7 243.4 365.2#





#18

Methylene Chloride

Concen: 0.376 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

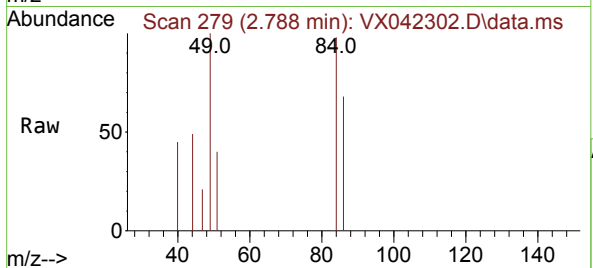
Lab File: VX042302.D

Acq: 12 Jul 2024 15:02

Instrument :

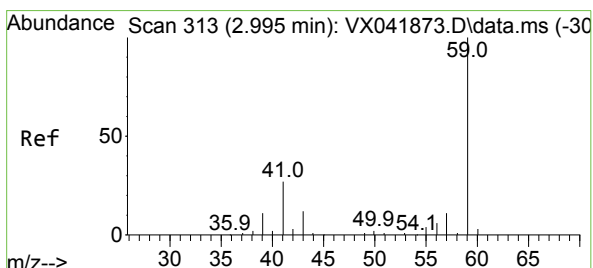
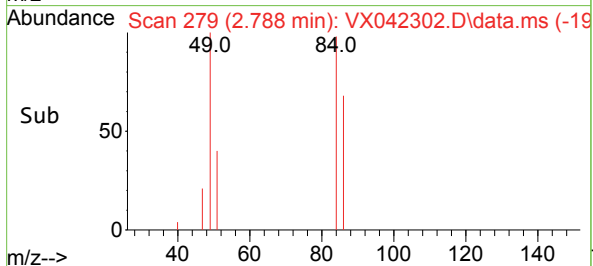
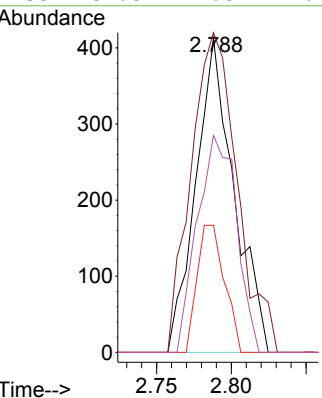
MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 733

Ion	Ratio	Lower	Upper
84	100		
49	101.7	85.3	127.9
51	40.4	28.5	42.7
86	69.0	49.6	74.4



#23

tert-Butyl Alcohol

Concen: 4.948 ug/l

RT: 2.989 min Scan# 312

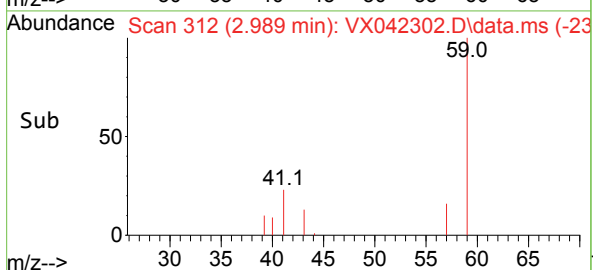
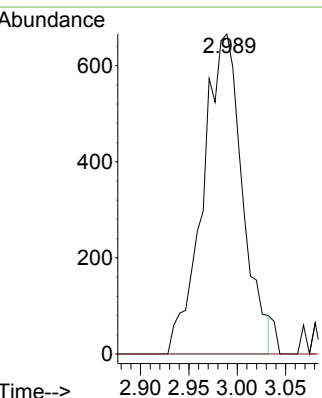
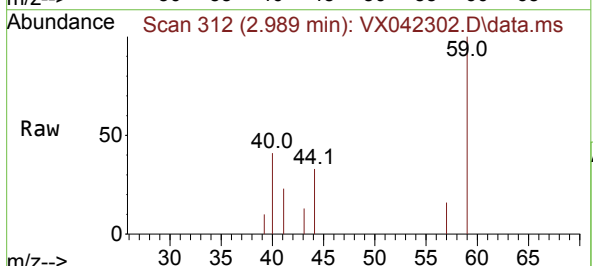
Delta R.T. -0.006 min

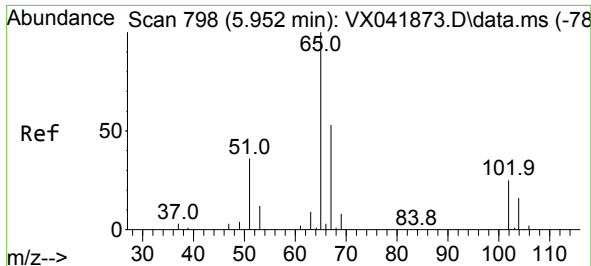
Lab File: VX042302.D

Acq: 12 Jul 2024 15:02

Tgt Ion: 59 Resp: 1892

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0





#27

1,2-Dichloroethane-d4

Concen: 29.112 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX042302.D

Acq: 12 Jul 2024 15:02

Instrument :

MSVOA_X

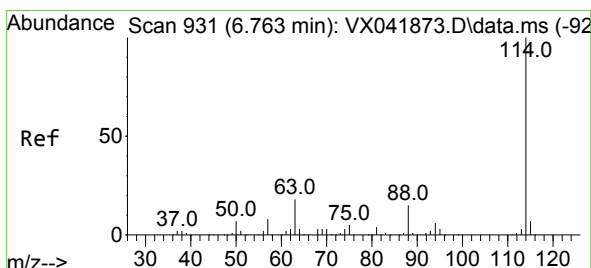
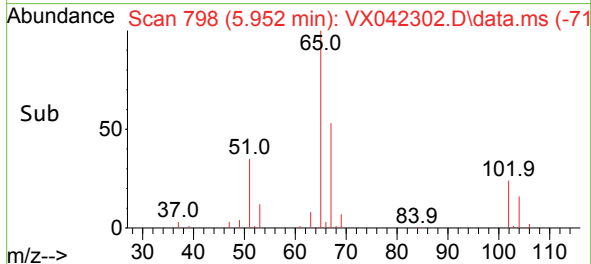
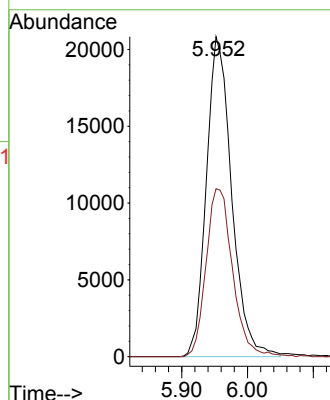
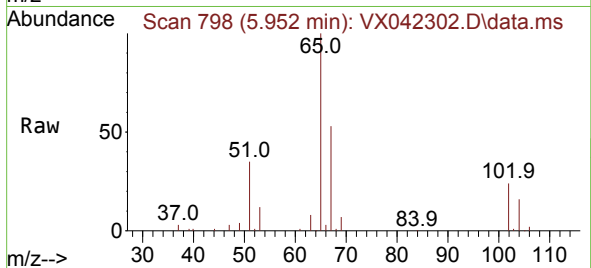
ClientSampleId :

Tgt Ion: 65 Resp: 55738

Ion Ratio Lower Upper

65 100

67 54.4 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042302.D

Acq: 12 Jul 2024 15:02

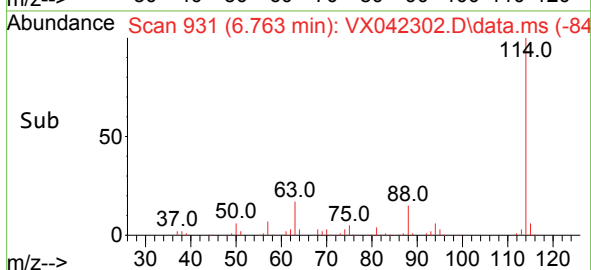
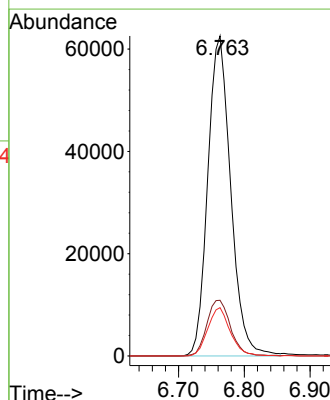
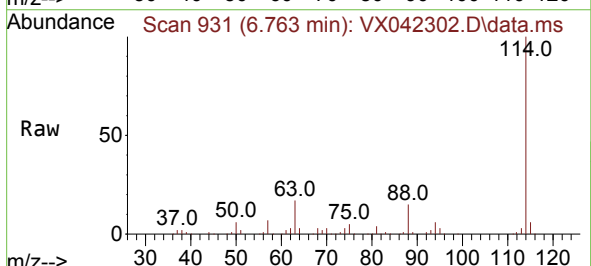
Tgt Ion: 114 Resp: 151699

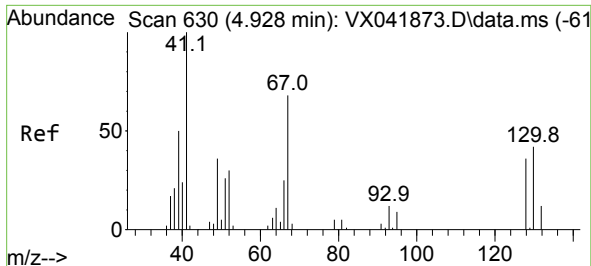
Ion Ratio Lower Upper

114 100

63 17.9 14.6 21.8

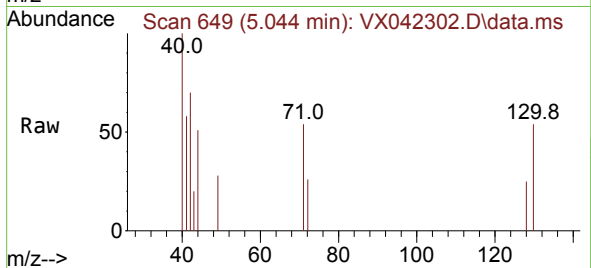
88 14.8 11.8 17.8



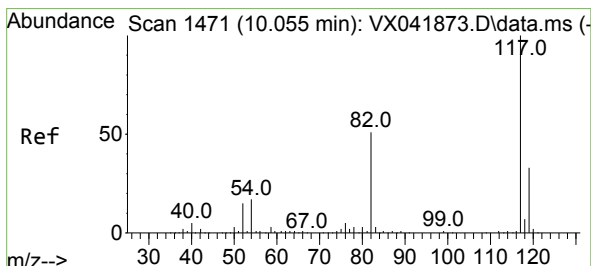
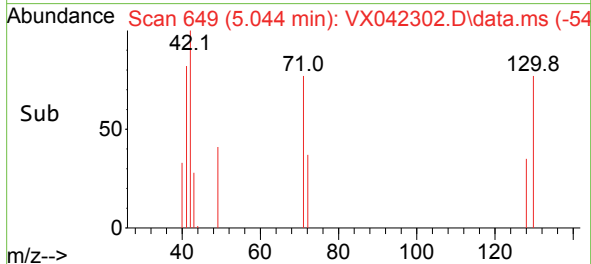
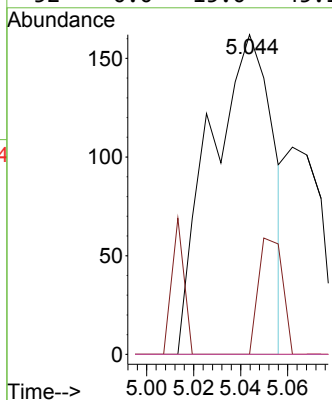


#35
Methacrylonitrile
Concen: 0.227 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

Instrument :
MSVOA_X
ClientSampleId :

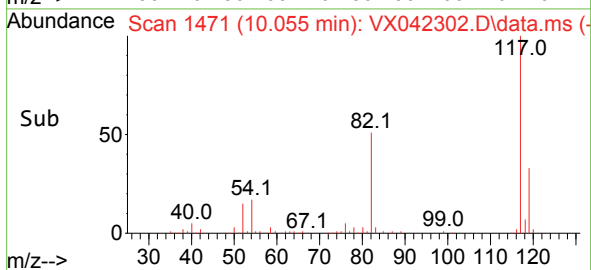
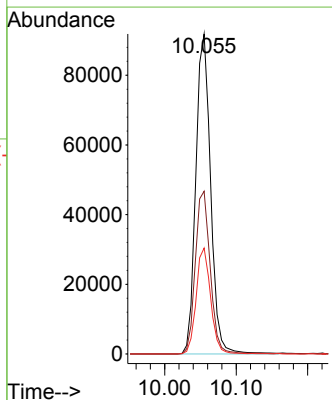
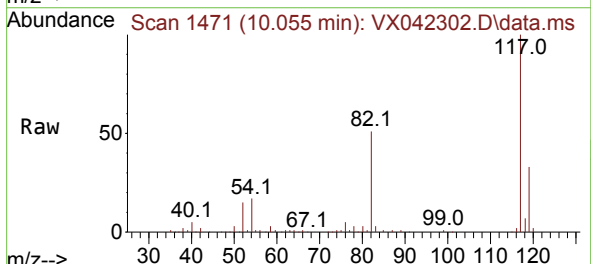


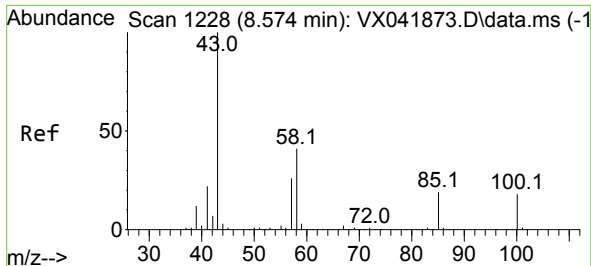
Tgt Ion: 41 Resp: 301
Ion Ratio Lower Upper
41 100
39 0.0 25.2 75.6#
67 0.0 34.2 102.5#
52 0.0 15.0 45.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

Tgt Ion: 117 Resp: 132060
Ion Ratio Lower Upper
117 100
82 51.2 41.1 61.7
119 32.3 26.1 39.1

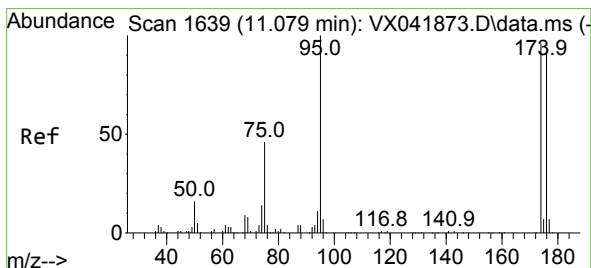
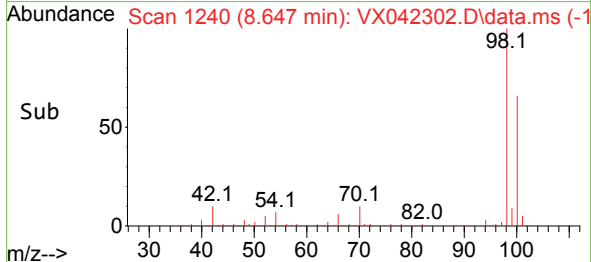
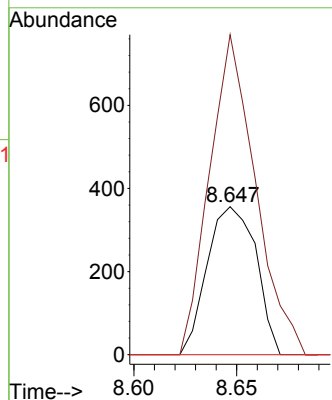
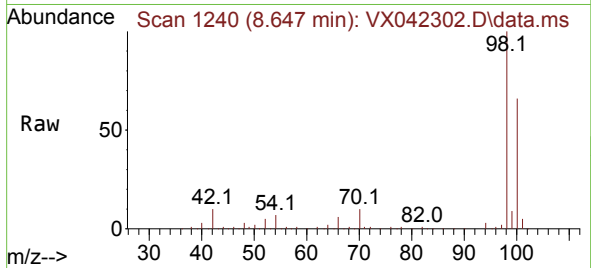




#58
4-Methyl-2-Pentanone
Concen: 0.249 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

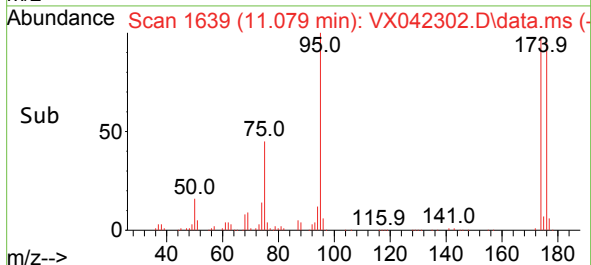
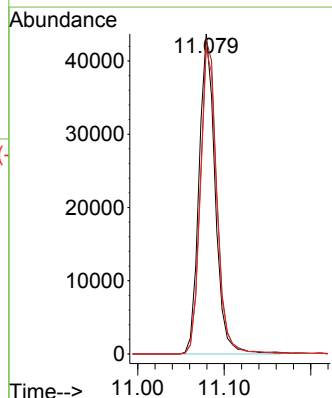
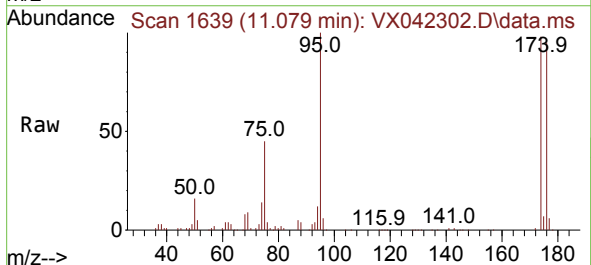
Instrument :
MSVOA_X
ClientSampleId :

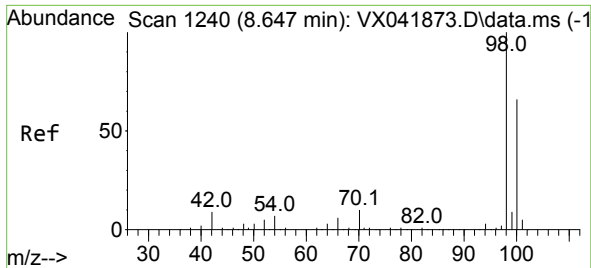
Tgt Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
58 203.4 33.2 49.8#
85 0.0 15.5 23.3#



#60
4-Bromofluorobenzene
Concen: 27.589 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

Tgt Ion: 95 Resp: 56397
Ion Ratio Lower Upper
95 100
174 99.9 78.9 118.3
176 96.1 77.1 115.7

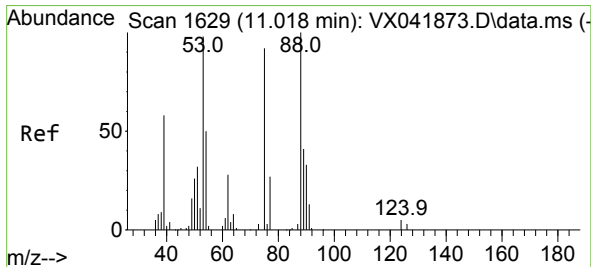
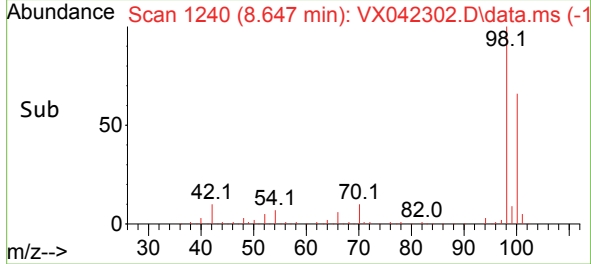
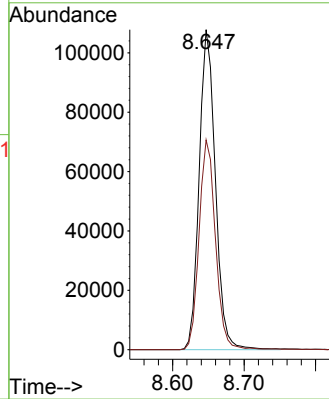
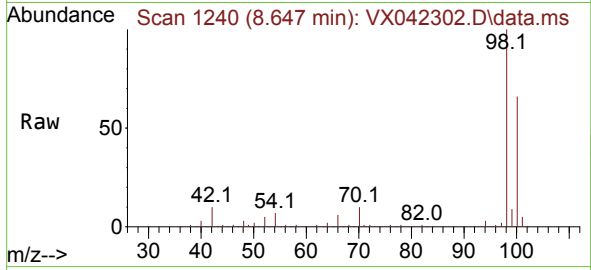




#63
Toluene-d8
Concen: 30.029 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

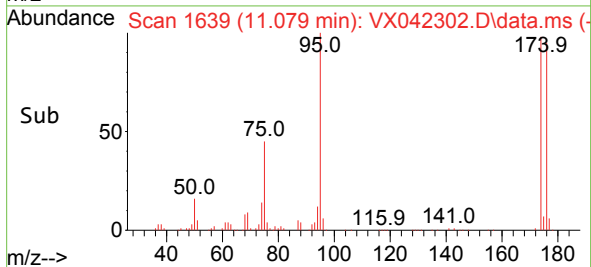
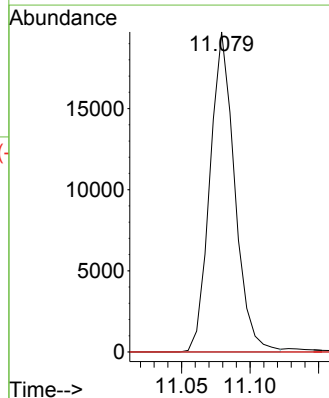
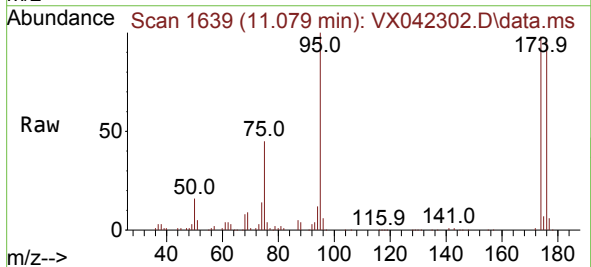
Instrument :
MSVOA_X
ClientSampleId :

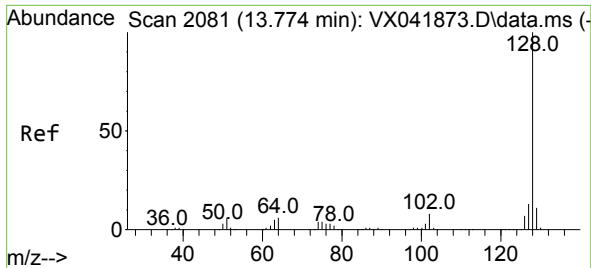
Tgt Ion: 98 Resp: 169662
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.425 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

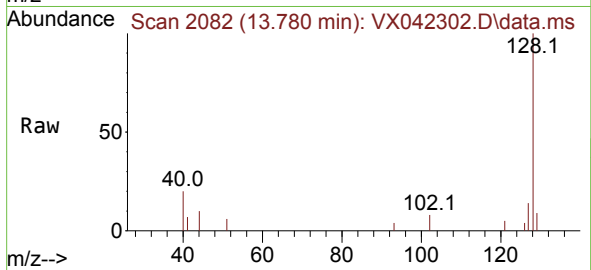
Tgt Ion: 75 Resp: 24770
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#





#91
Naphthalene
Concen: 0.236 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042302.D
Acq: 12 Jul 2024 15:02

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	1871
Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.4	15.6
129	9.6	8.7	13.1

