

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010923\
 Data File : VX033666.D
 Acq On : 09 Jan 2023 16:25
 Operator : JC/MD
 Sample : 01079-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 10 00:47:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 06:16:21 2023
 Response via : Initial Calibration

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

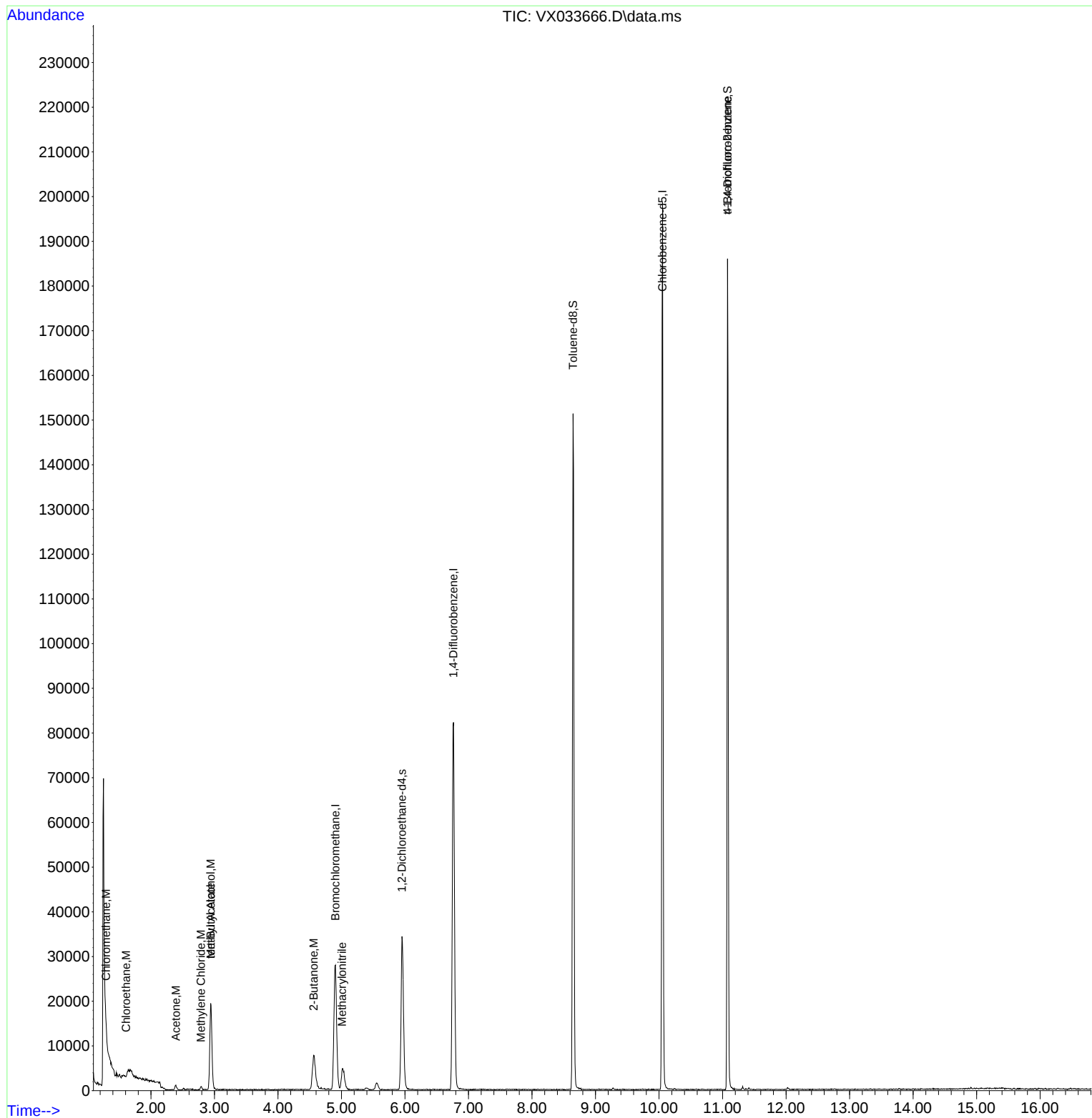
Internal Standards						
1) Bromochloromethane	4.903	128	12075	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	86951	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	91384	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	33638	34.405	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 114.667%#	
60) 4-Bromofluorobenzene	11.079	95	47368	28.759	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 95.867%	
63) Toluene-d8	8.647	98	89457	30.588	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.967%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	600	0.443	ug/l	89
6) Chloroethane	1.605	64	317	0.443	ug/l #	41
12) Methyl Acetate	2.940	43	1867	0.967	ug/l #	55
15) Acetone	2.392	58	451	3.129	ug/l	67
18) Methylene Chloride	2.788	84	331	0.256	ug/l #	77
23) tert-Butyl Alcohol	2.940	59	11783	46.842	ug/l #	100
30) 2-Butanone	4.562	43	481	0.490	ug/l #	74
35) Methacrylonitrile	5.007	41	1067	0.954	ug/l #	45
77) t-1,4-Dichloro-2-butene	11.079	75	23227	44.161	ug/l #	3

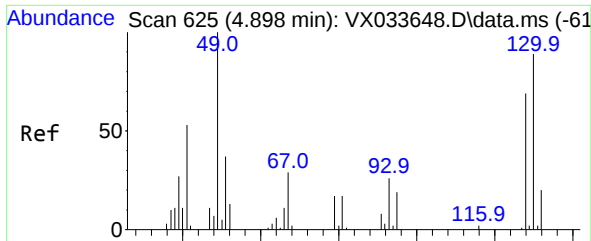
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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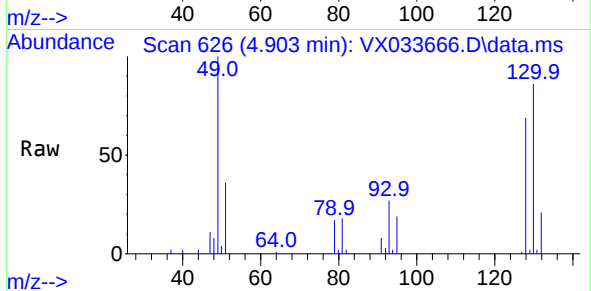
Quant Time: Jan 10 00:47:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jan 07 06:16:21 2023
Response via : Initial Calibration



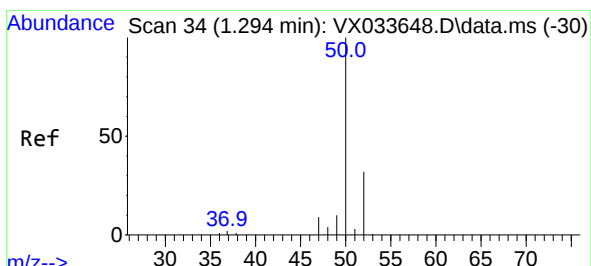
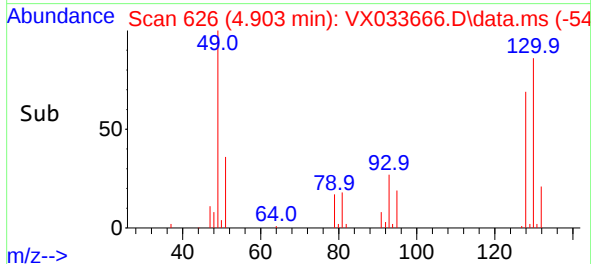
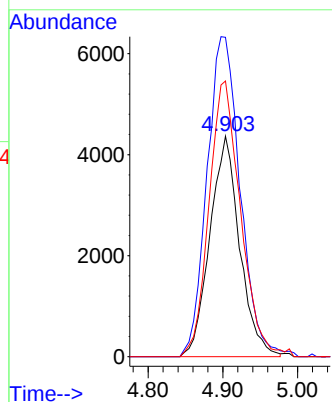


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.005 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :

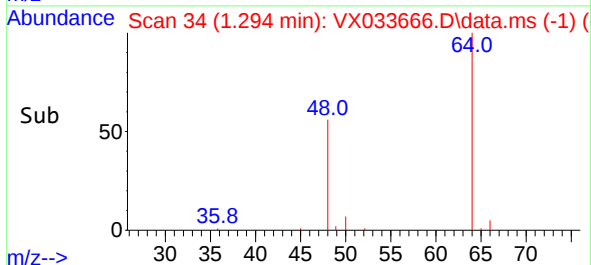
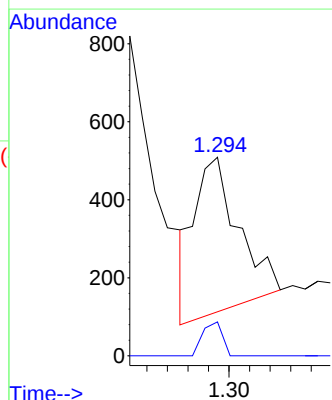
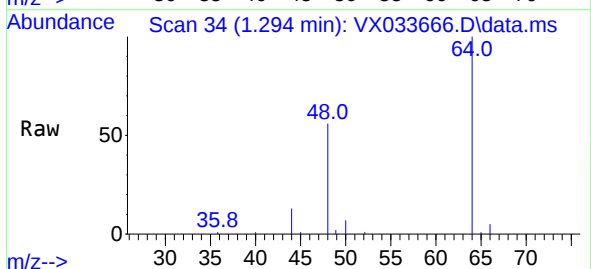


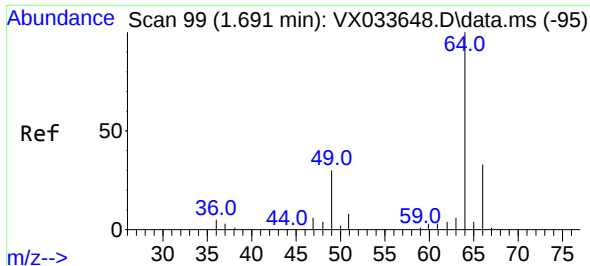
Tgt Ion:128 Resp: 12075
Ion Ratio Lower Upper
128 100
49 161.5 0.0 398.5
130 131.8 0.0 329.0



#3
Chloromethane
Concen: 0.443 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

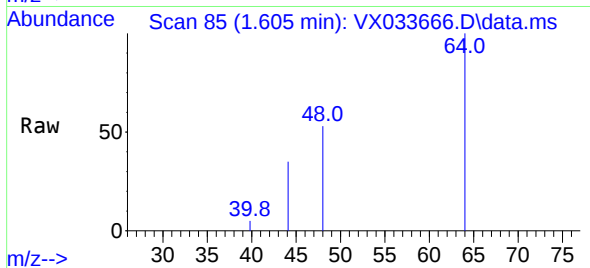
Tgt Ion: 50 Resp: 600
Ion Ratio Lower Upper
50 100
52 25.6 25.5 38.3



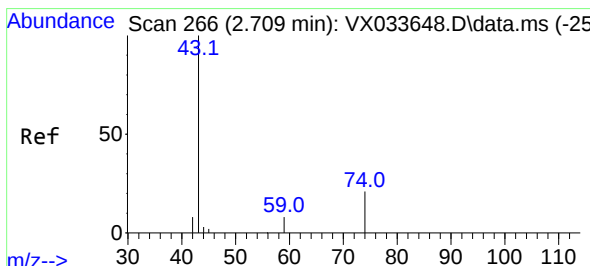
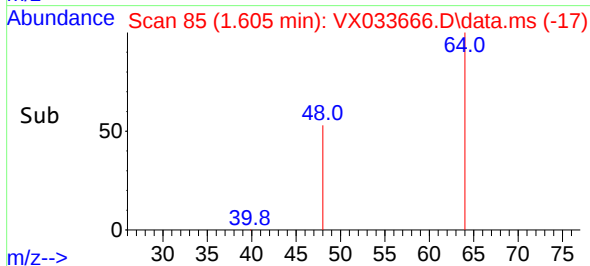
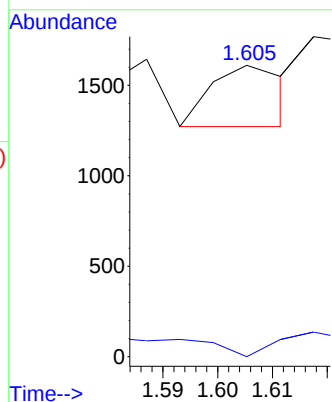


#6
Chloroethane
Concen: 0.443 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.085 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :

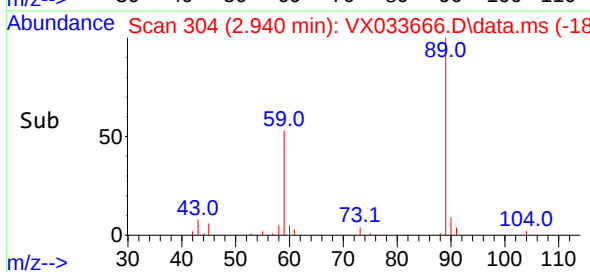
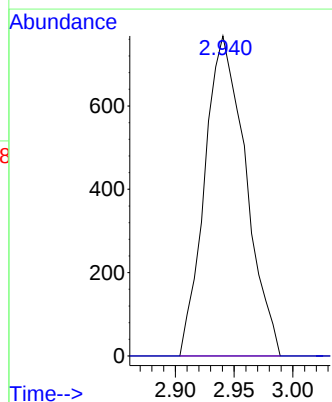
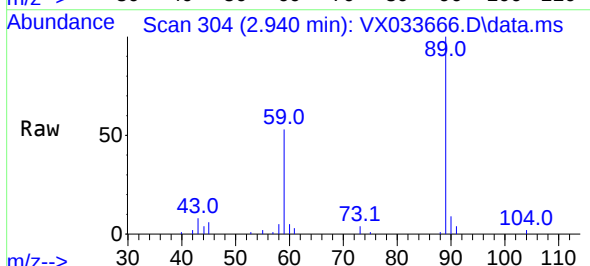


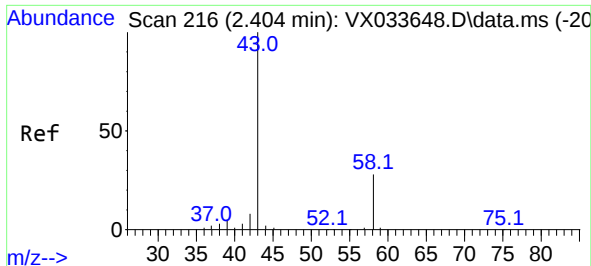
Tgt Ion: 64 Resp: 317
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#12
Methyl Acetate
Concen: 0.967 ug/l
RT: 2.940 min Scan# 304
Delta R.T. 0.232 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

Tgt Ion: 43 Resp: 1867
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.6#

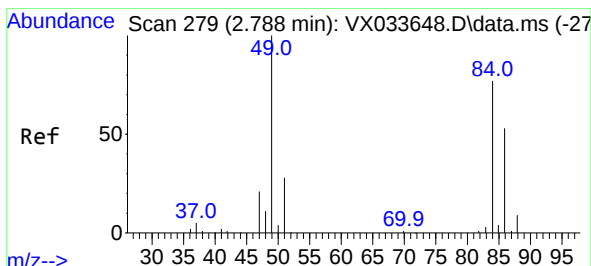
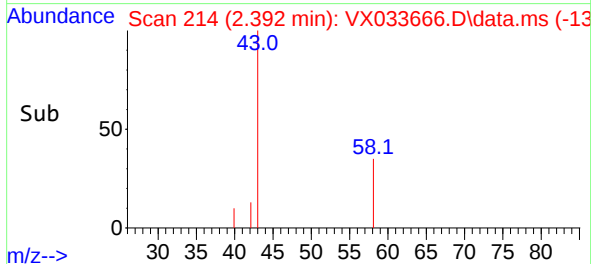
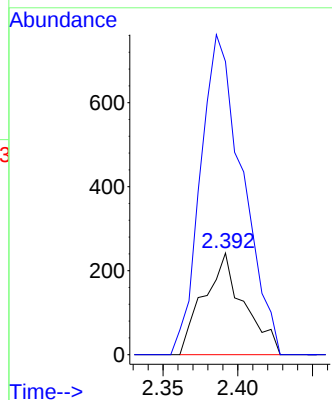
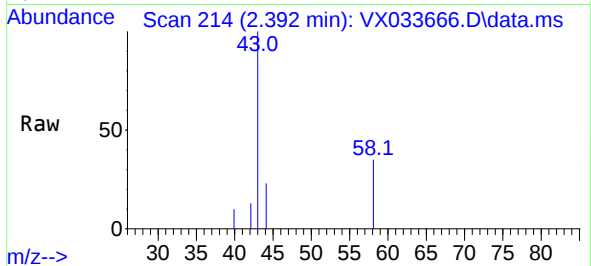




#15
Acetone
Concen: 3.129 ug/l
RT: 2.392 min Scan# 216
Delta R.T. -0.012 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

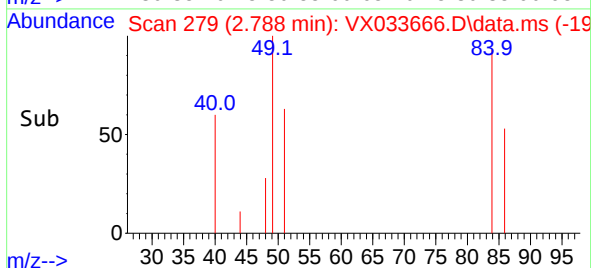
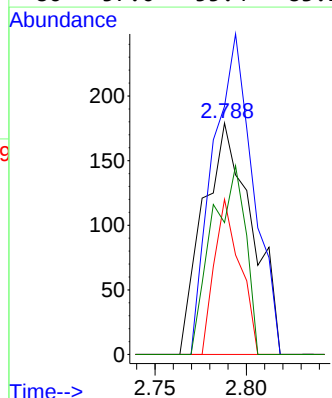
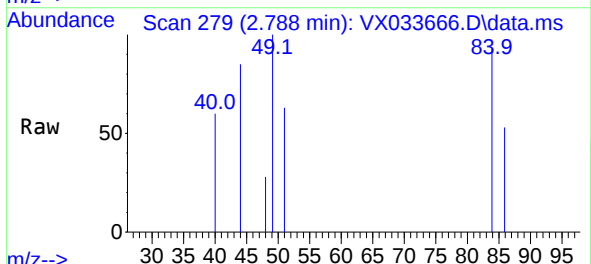
Instrument :
MSVOA_X
ClientSampleId :

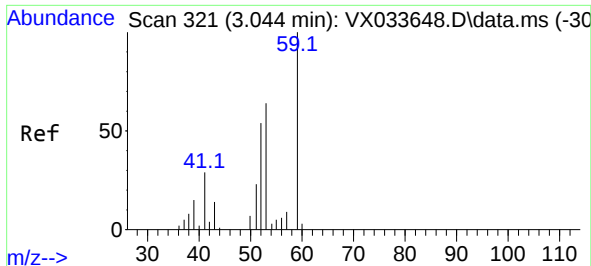
Tgt Ion: 58 Resp: 451
Ion Ratio Lower Upper
58 100
43 288.4 288.3 432.5



#18
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

Tgt Ion: 84 Resp: 331
Ion Ratio Lower Upper
84 100
49 107.3 104.1 156.1
51 67.0 29.2 43.8#
86 57.0 55.4 83.2





#23

tert-Butyl Alcohol

Concen: 46.842 ug/l

RT: 2.940 min Scan# 30

Delta R.T. -0.104 min

Lab File: VX033666.D

Acq: 09 Jan 2023 16:25

Instrument :

MSVOA_X

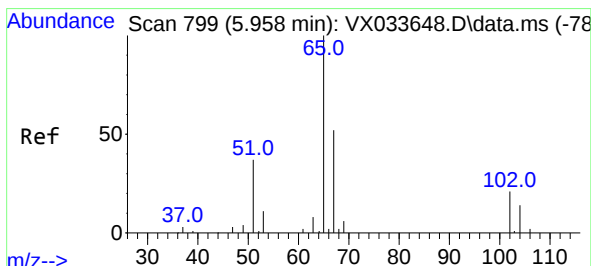
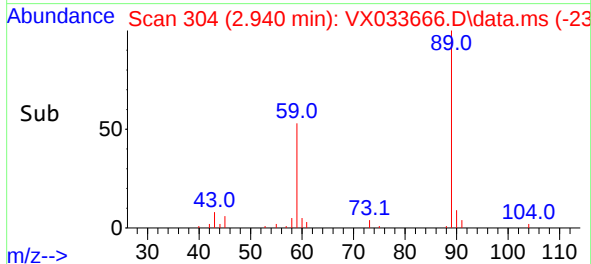
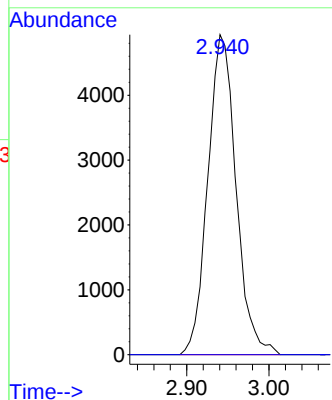
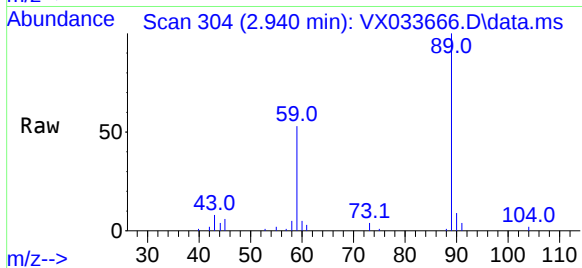
ClientSampleId :

Tgt Ion: 59 Resp: 11783

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#



#27

1,2-Dichloroethane-d4

Concen: 34.405 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX033666.D

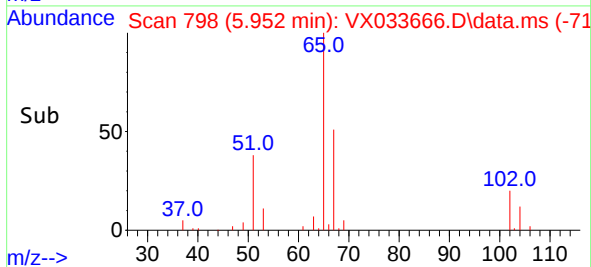
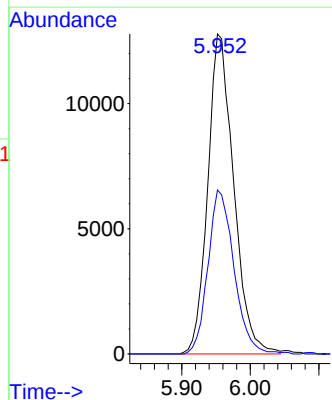
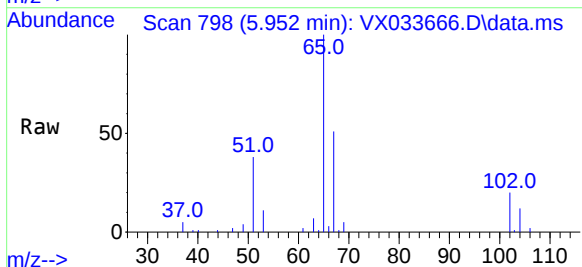
Acq: 09 Jan 2023 16:25

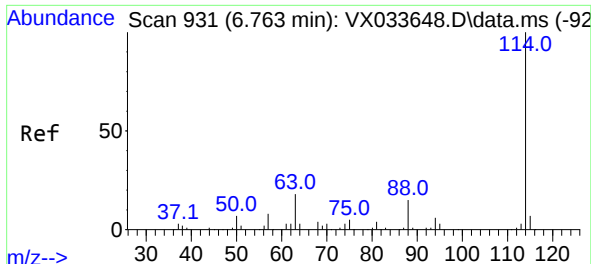
Tgt Ion: 65 Resp: 33638

Ion Ratio Lower Upper

65 100

67 51.1 40.4 60.6



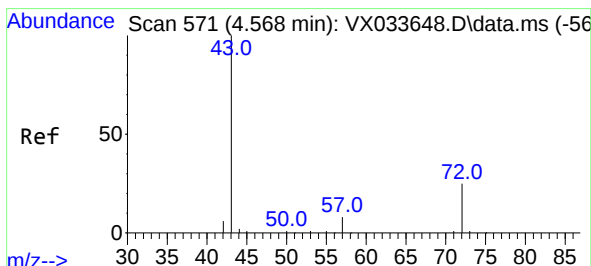
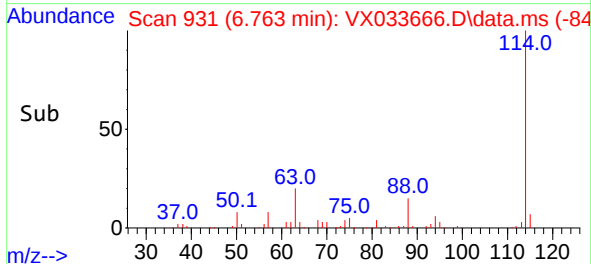
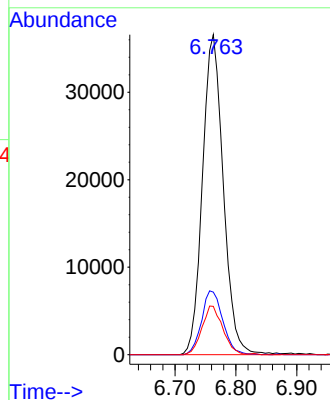
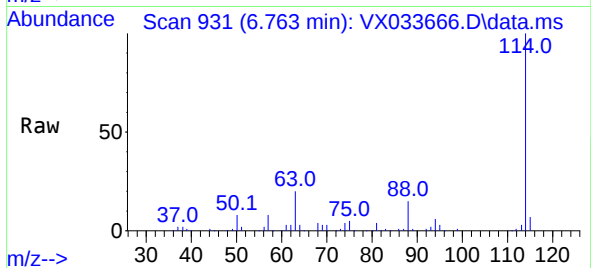


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 86951

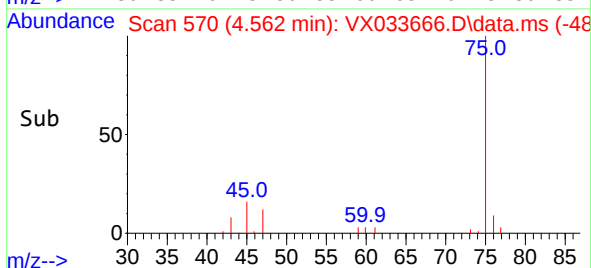
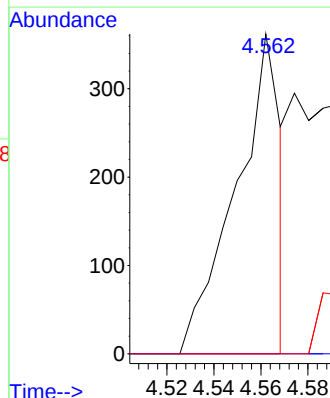
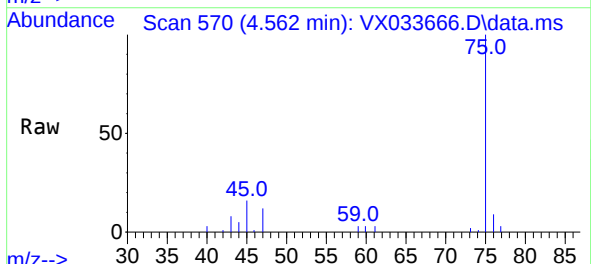
Ion	Ratio	Lower	Upper
114	100		
63	20.3	15.5	23.3
88	15.1	12.4	18.6

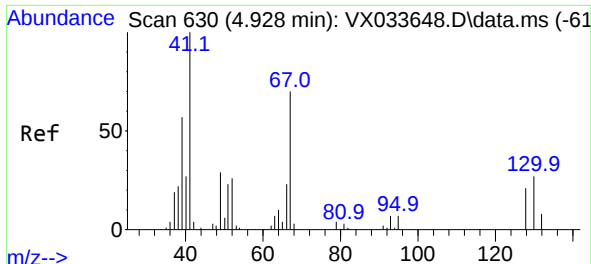


#30
2-Butanone
Concen: 0.490 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

Tgt Ion: 43 Resp: 481

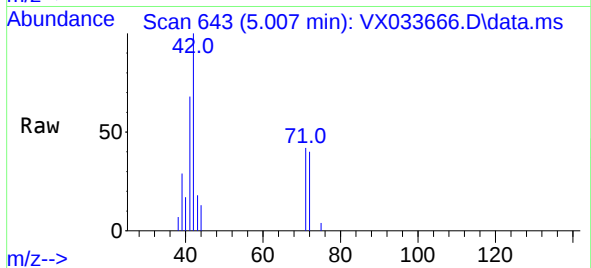
Ion	Ratio	Lower	Upper
43	100		
57	0.0	3.4	5.2#
72	10.6	19.8	29.6#





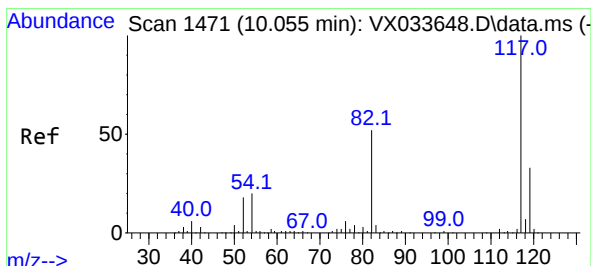
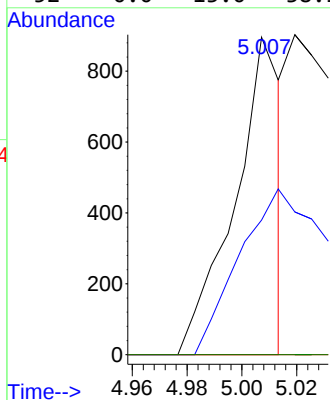
#35
Methacrylonitrile
Concen: 0.954 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.079 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 41 Resp: 1067

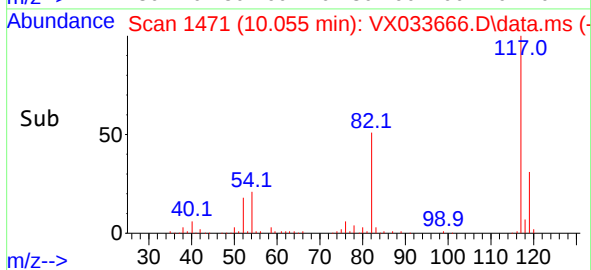
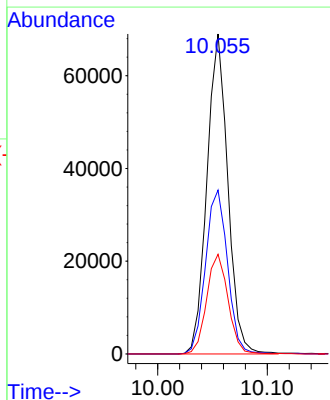
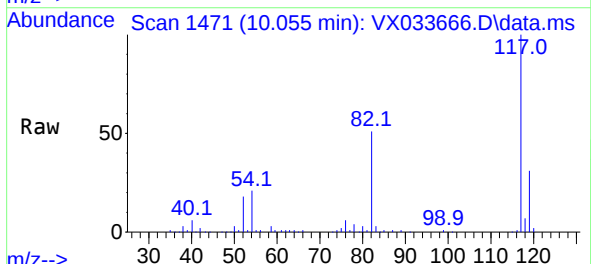
Ion	Ratio	Lower	Upper
41	100		
39	42.4	28.6	85.9
67	0.0	34.8	104.3#
52	0.0	13.0	38.9#

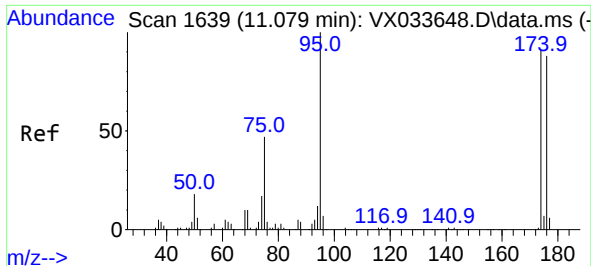


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

Tgt Ion: 117 Resp: 91384

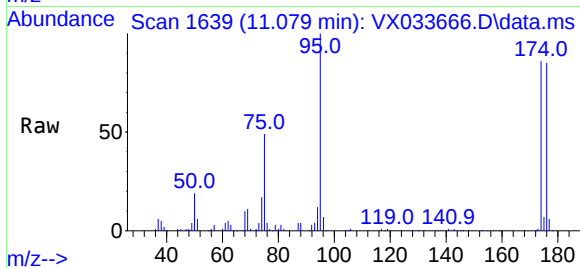
Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.9	62.9
119	32.0	25.6	38.4



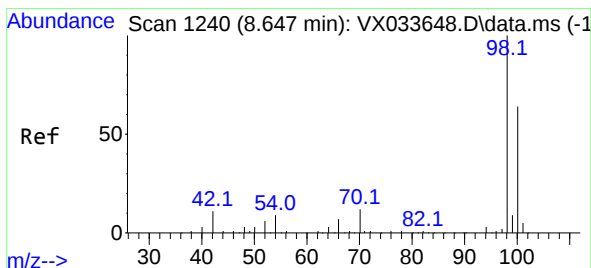
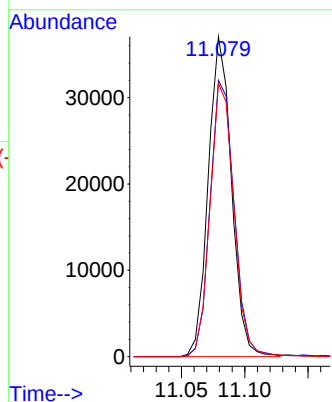


#60
4-Bromofluorobenzene
Concen: 28.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :

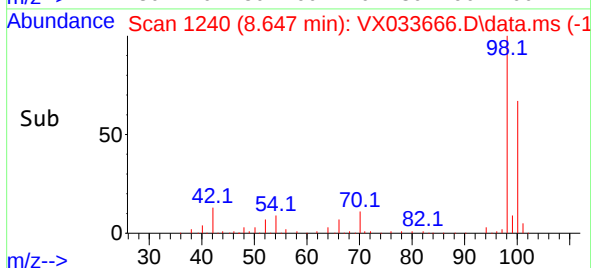
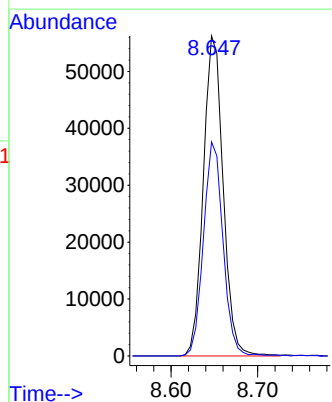
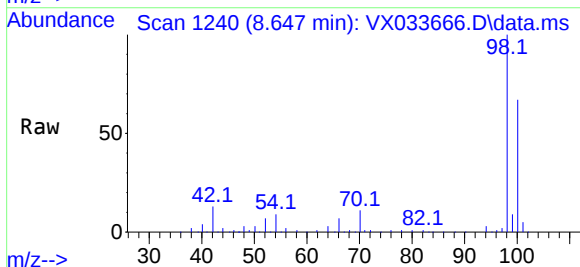


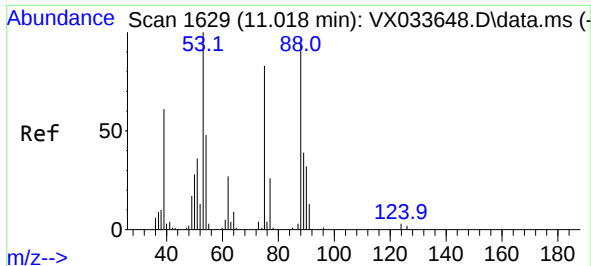
Tgt Ion: 95 Resp: 47368
Ion Ratio Lower Upper
95 100
174 89.4 73.7 110.5
176 87.8 71.0 106.4



#63
Toluene-d8
Concen: 30.588 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033666.D
Acq: 09 Jan 2023 16:25

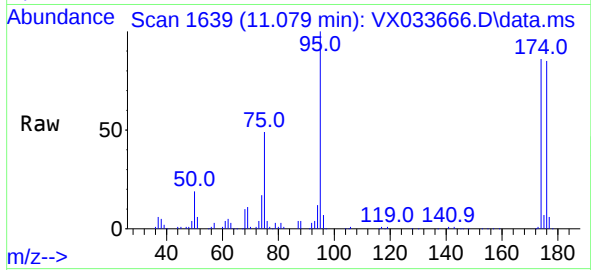
Tgt Ion: 98 Resp: 89457
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 44.161 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX033666.D
 Acq: 09 Jan 2023 16:25

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	23227
Ion	Ratio	Lower	Upper
75	100		
53	0.0	60.2	180.6#
89	0.0	23.2	69.6#

