

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010923\
 Data File : VX033672.D
 Acq On : 09 Jan 2023 18:44
 Operator : JC/MD
 Sample : 01079-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 10 00:48:58 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)

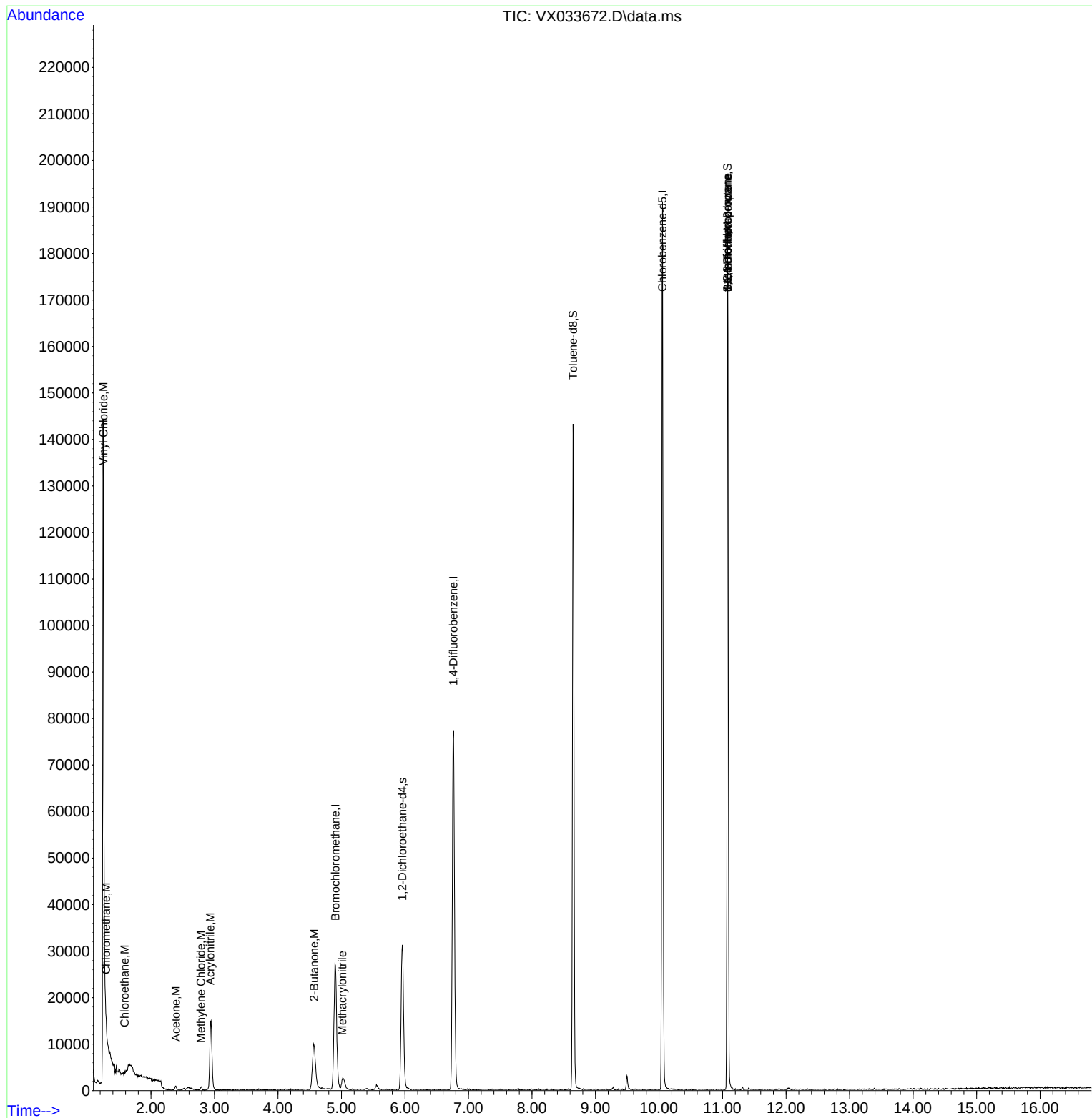
Internal Standards						
1) Bromochloromethane	4.904	128	11926	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	82351	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	88254	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	31426	32.544	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.467%
60) 4-Bromofluorobenzene	11.079	95	47446	29.828	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.433%
63) Toluene-d8	8.647	98	86411	30.594	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.967%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1088	0.814	ug/l	97
4) Vinyl Chloride	1.252	62	328	0.272	ug/l #	1
6) Chloroethane	1.587	64	175	0.247	ug/l #	61
14) Acrylonitrile	2.934	53	157	0.250	ug/l #	36
15) Acetone	2.392	58	239	1.679	ug/l #	65
18) Methylene Chloride	2.788	84	317	0.248	ug/l	96
30) 2-Butanone	4.568	43	414	0.445	ug/l #	56
35) Methacrylonitrile	5.013	41	1520	1.435	ug/l #	35
56) Bromoform	11.079	173	470	0.417	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	23137	13.628	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	23137	45.550	ug/l #	3

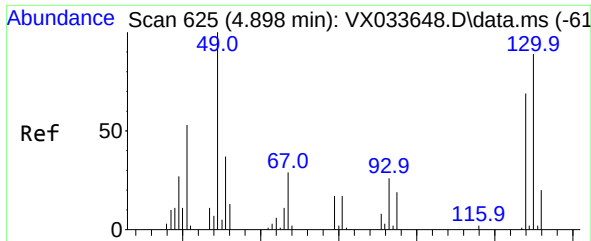
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

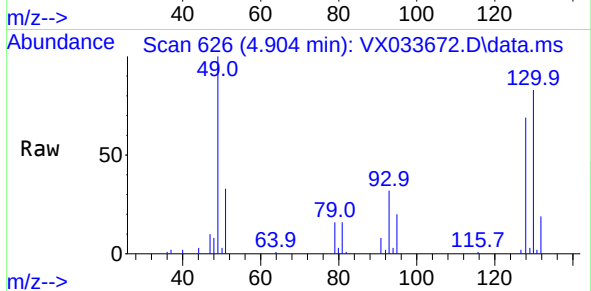
Quant Time: Jan 10 00:48:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jan 07 06:16:21 2023
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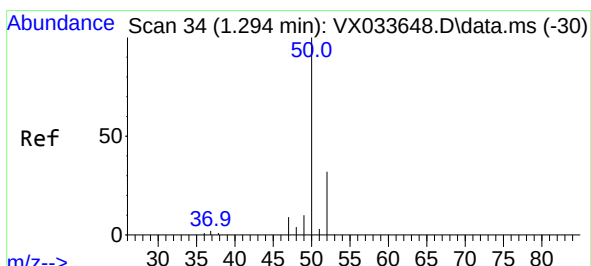
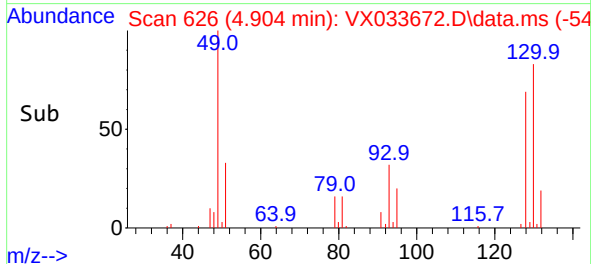
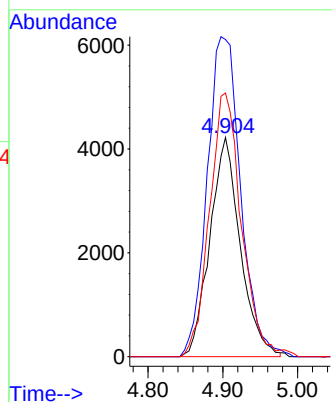


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :

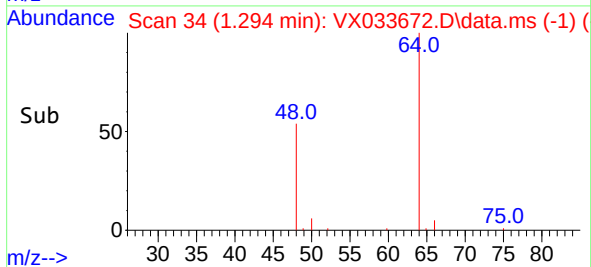
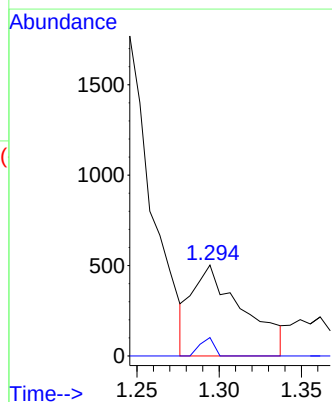
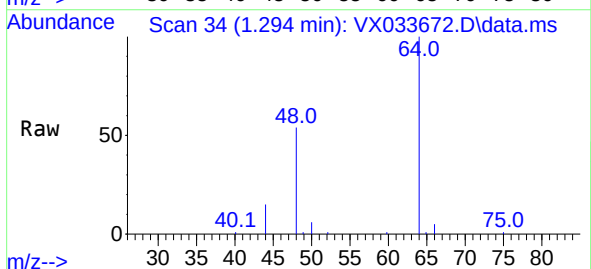


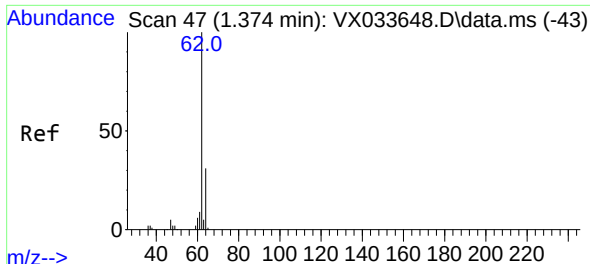
Tgt Ion:128 Resp: 11926
Ion Ratio Lower Upper
128 100
49 161.0 0.0 398.5
130 125.6 0.0 329.0



#3
Chloromethane
Concen: 0.814 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

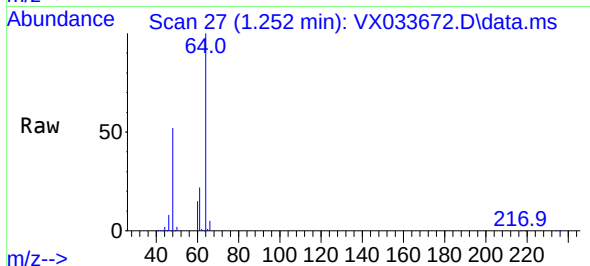
Tgt Ion: 50 Resp: 1088
Ion Ratio Lower Upper
50 100
52 30.4 25.5 38.3



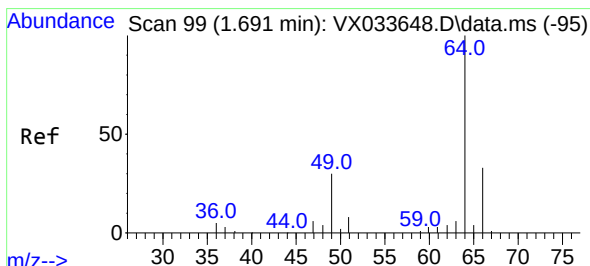
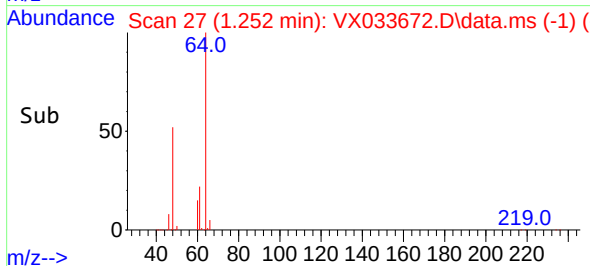
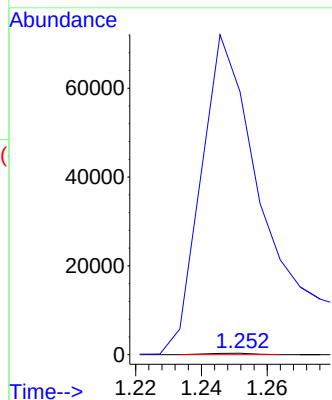


#4
Vinyl Chloride
Concen: 0.272 ug/l
RT: 1.252 min Scan# 21
Delta R.T. -0.122 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :

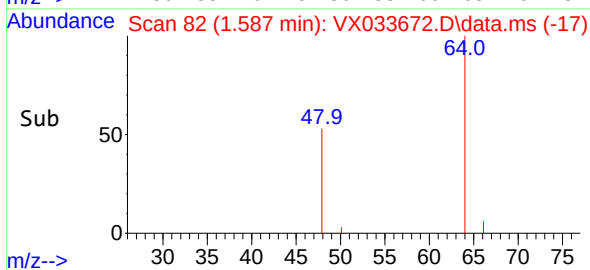
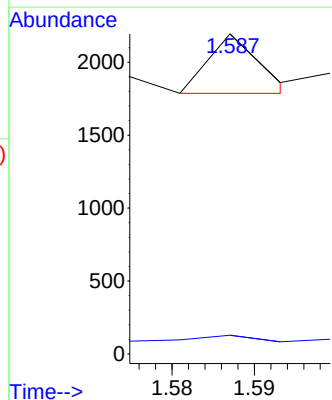
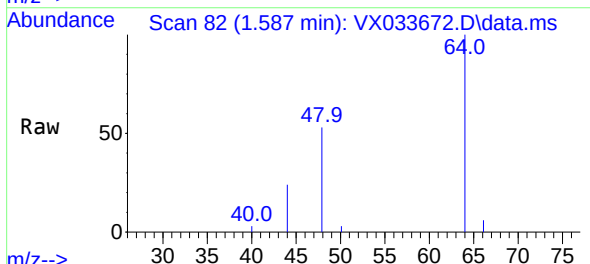


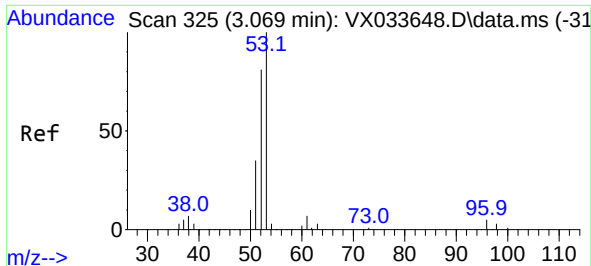
Tgt Ion: 62 Resp: 328
Ion Ratio Lower Upper
62 100
64 16333.9 24.9 37.3#



#6
Chloroethane
Concen: 0.247 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.104 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

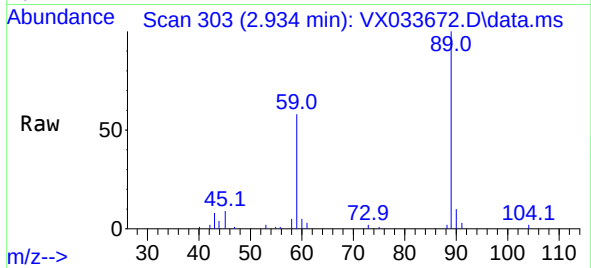
Tgt Ion: 64 Resp: 175
Ion Ratio Lower Upper
64 100
66 11.1 26.6 40.0#



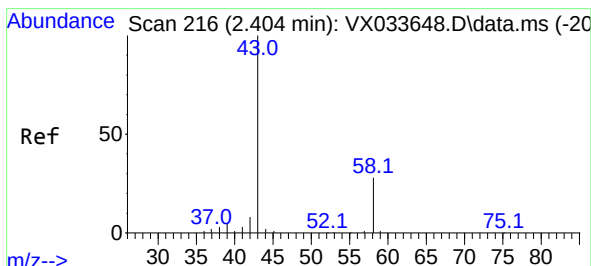
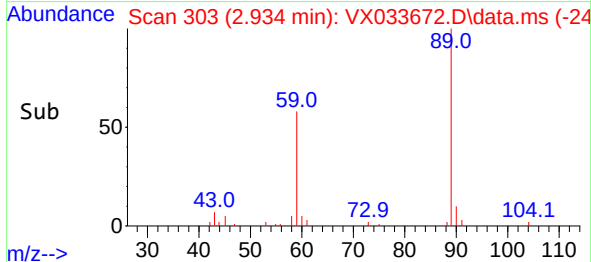
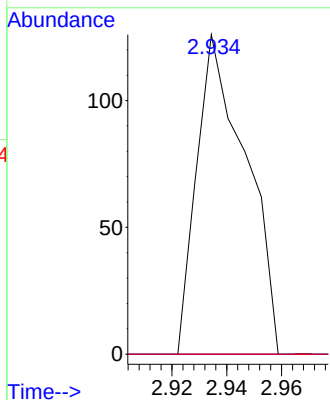


#14
Acrylonitrile
Concen: 0.250 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.134 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :

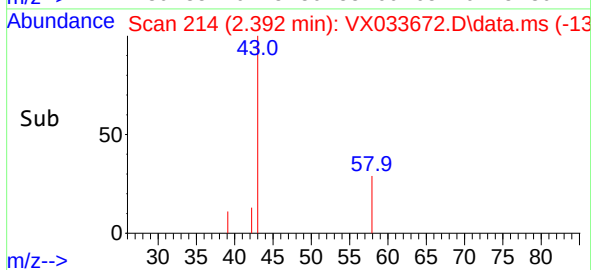
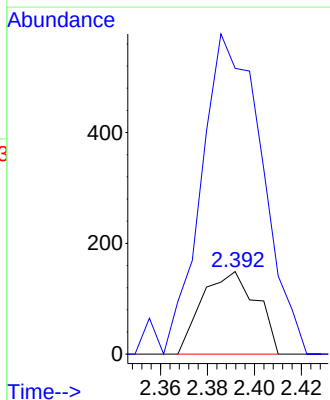
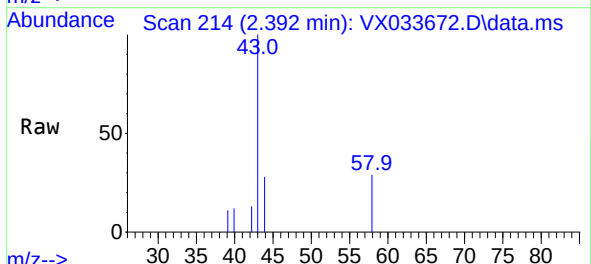


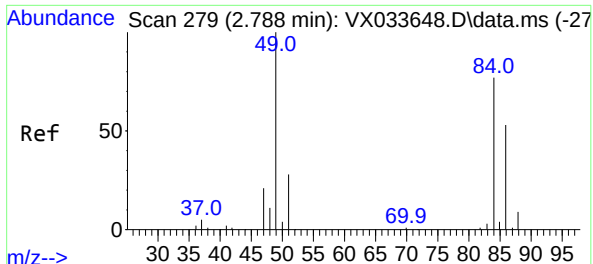
Tgt Ion: 53 Resp: 157
Ion Ratio Lower Upper
53 100
52 0.0 41.3 124.1#
51 36.3 18.4 55.4



#15
Acetone
Concen: 1.679 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Tgt Ion: 58 Resp: 239
Ion Ratio Lower Upper
58 100
43 282.6 288.3 432.5#





#18

Methylene Chloride

Concen: 0.248 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

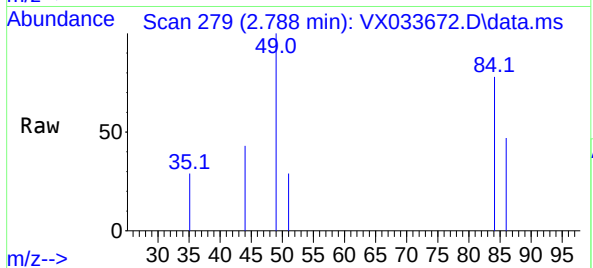
Lab File: VX033672.D

Acq: 09 Jan 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 317

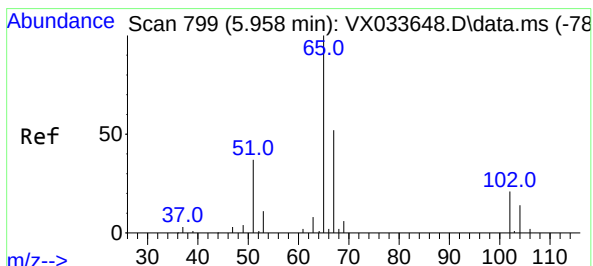
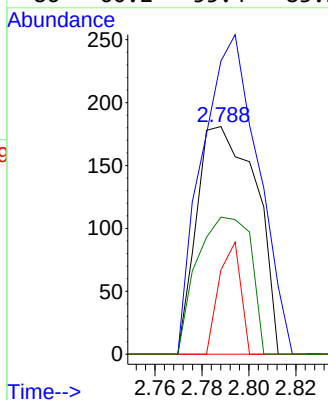
Ion Ratio Lower Upper

84 100

49 128.7 104.1 156.1

51 37.0 29.2 43.8

86 60.2 55.4 83.2



#27

1,2-Dichloroethane-d4

Concen: 32.544 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033672.D

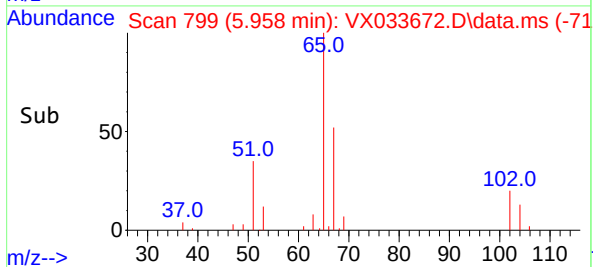
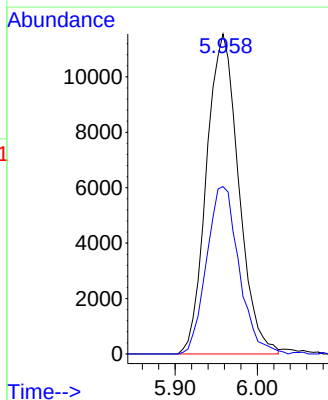
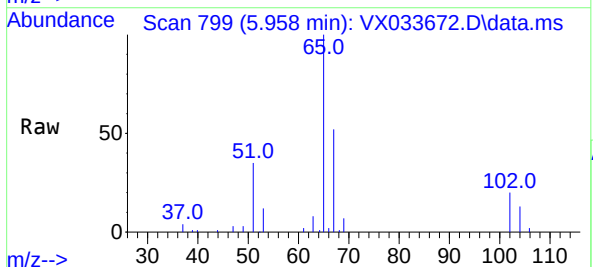
Acq: 09 Jan 2023 18:44

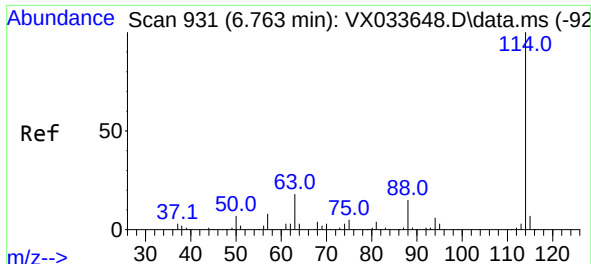
Tgt Ion: 65 Resp: 31426

Ion Ratio Lower Upper

65 100

67 52.7 40.4 60.6



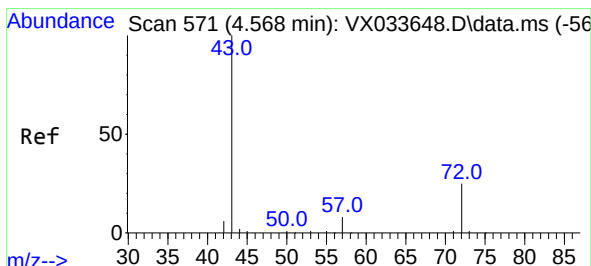
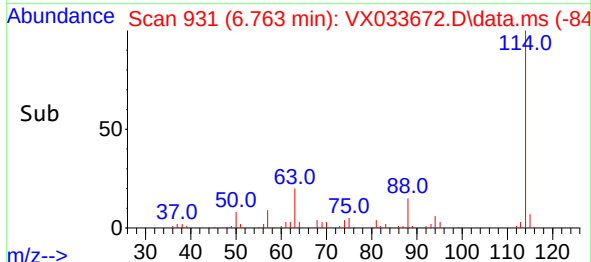
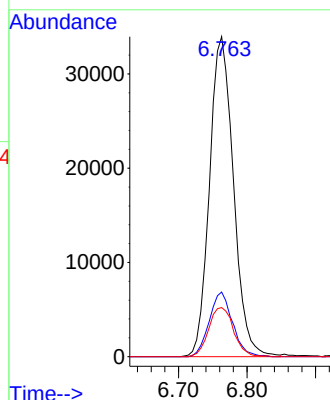
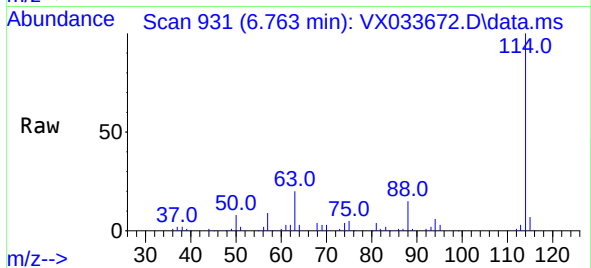


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 82351

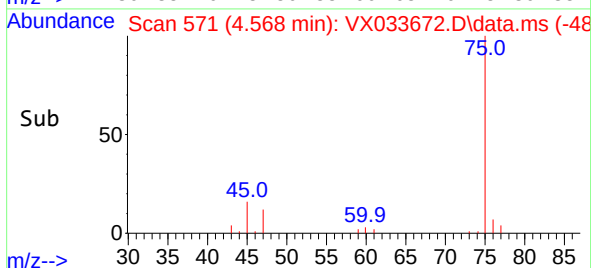
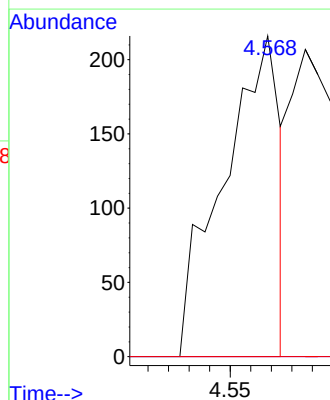
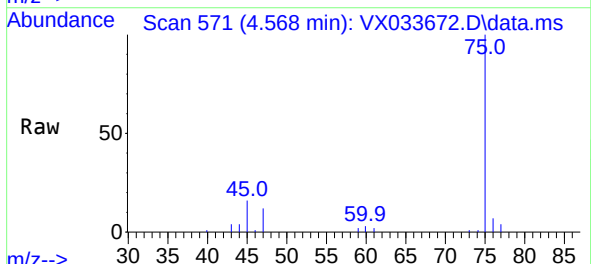
Ion	Ratio	Lower	Upper
114	100		
63	19.6	15.5	23.3
88	15.9	12.4	18.6

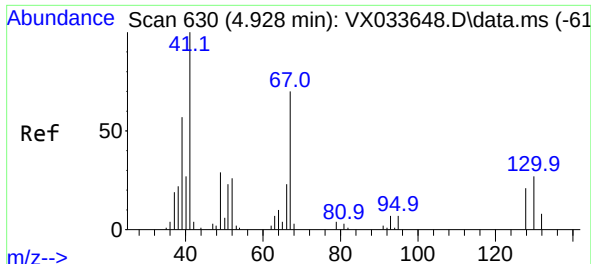


#30
2-Butanone
Concen: 0.445 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Tgt Ion: 43 Resp: 414

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



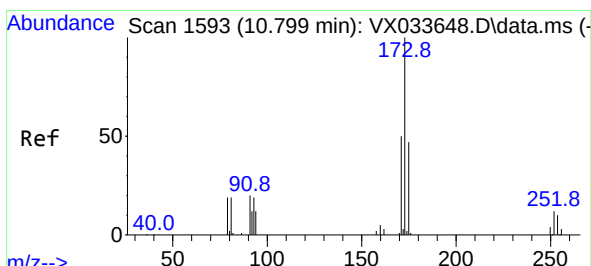
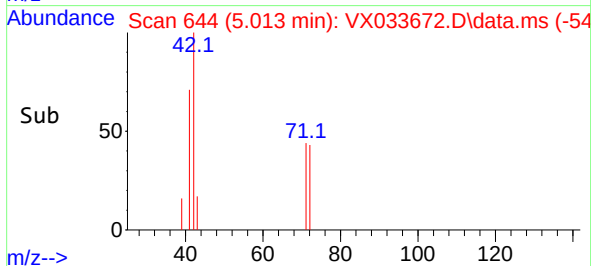
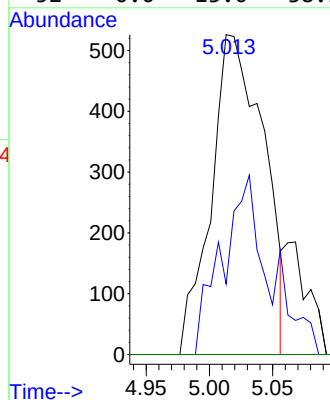
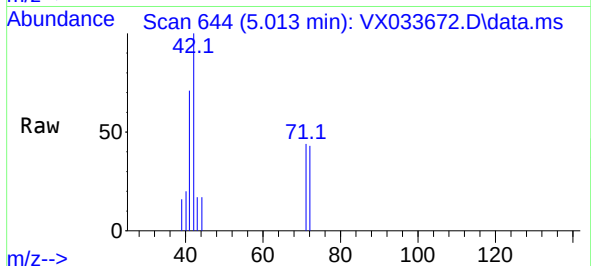


#35
Methacrylonitrile
Concen: 1.435 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.085 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 41 Resp: 1520

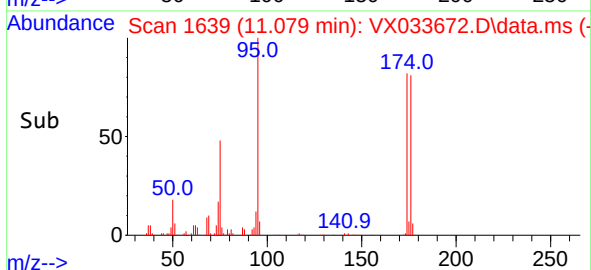
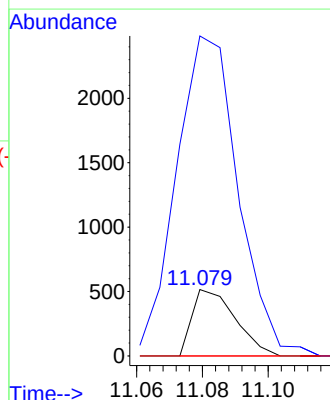
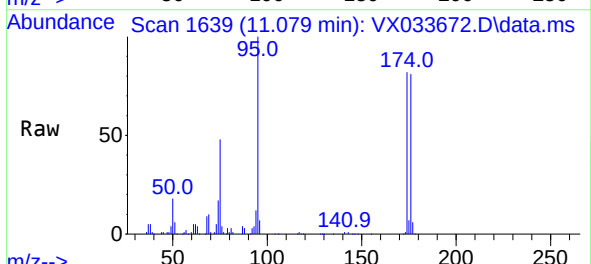
Ion	Ratio	Lower	Upper
41	100		
39	22.1	28.6	85.9#
67	0.0	34.8	104.3#
52	0.0	13.0	38.9#

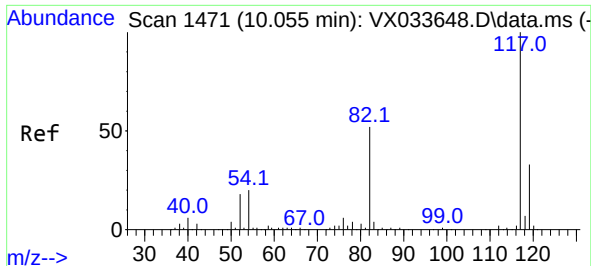


#56
Bromoform
Concen: 0.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Tgt Ion: 173 Resp: 470

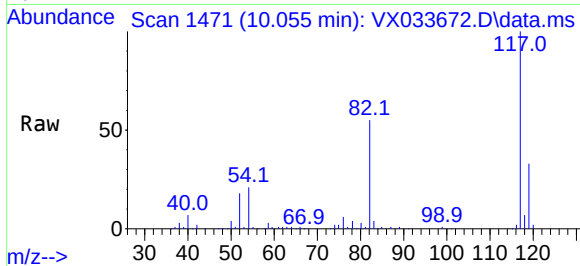
Ion	Ratio	Lower	Upper
173	100		
175	693.0	38.2	57.4#
254	0.0	8.6	13.0#



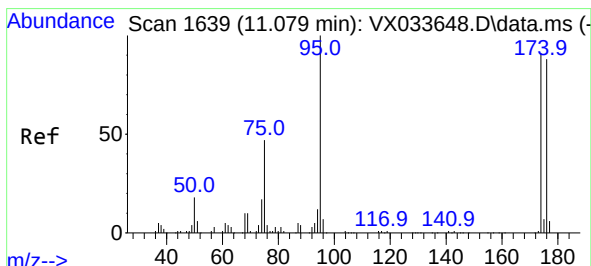
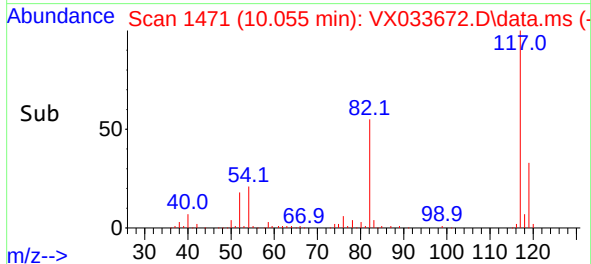
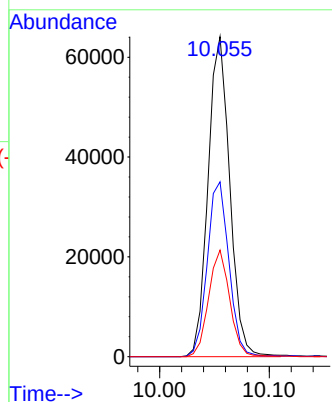


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :

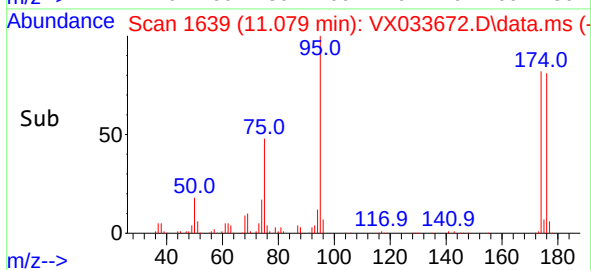
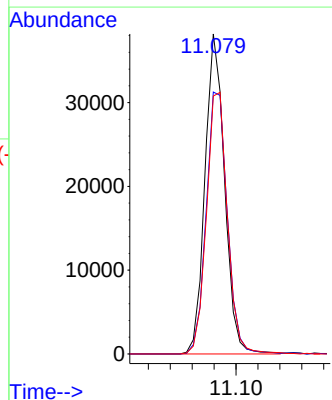
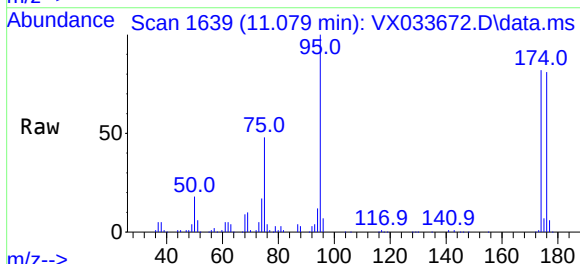


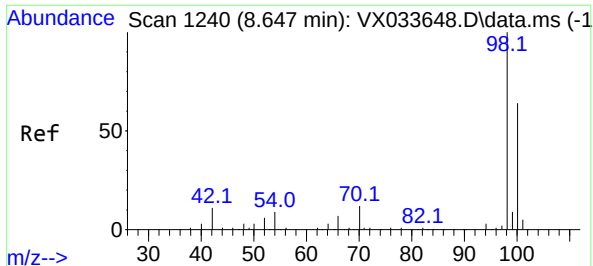
Tgt Ion:117 Resp: 88254
Ion Ratio Lower Upper
117 100
82 54.4 41.9 62.9
119 32.6 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 29.828 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Tgt Ion: 95 Resp: 47446
Ion Ratio Lower Upper
95 100
174 88.4 73.7 110.5
176 87.3 71.0 106.4

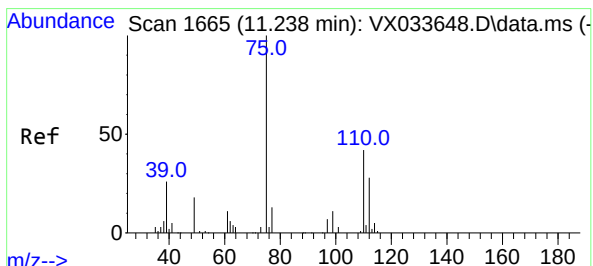
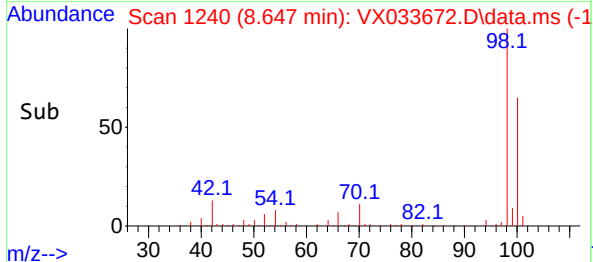
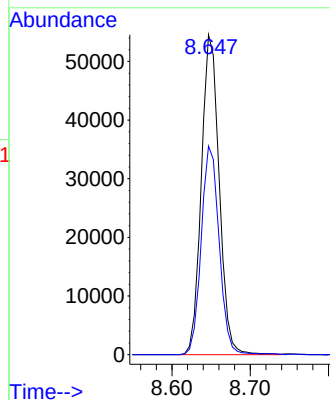
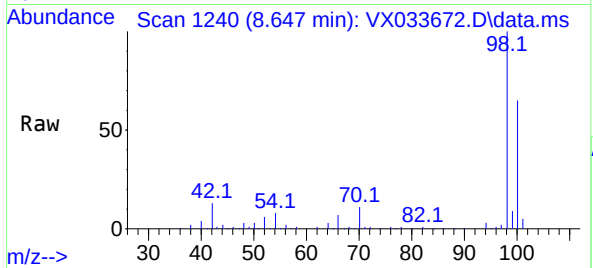




#63
Toluene-d8
Concen: 30.594 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

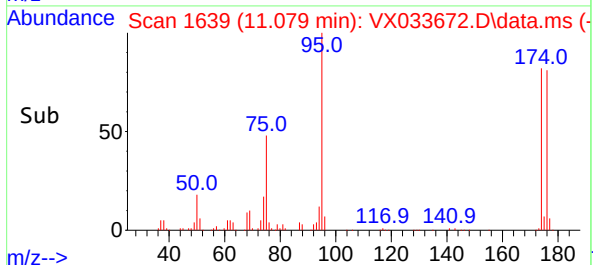
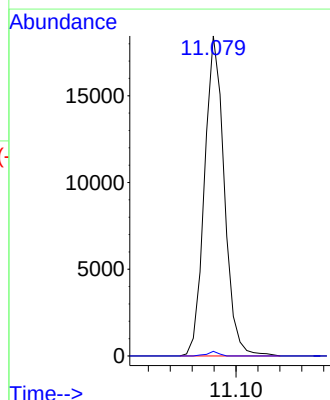
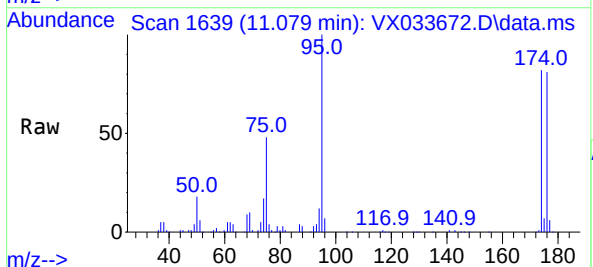
Instrument :
MSVOA_X
ClientSampleId :

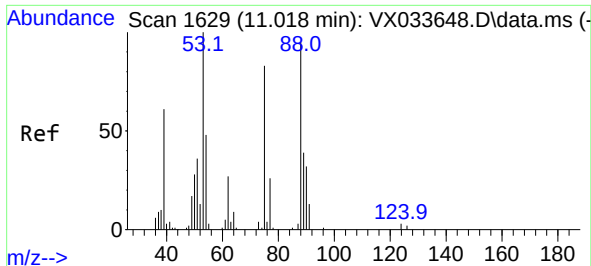
Tgt Ion: 98 Resp: 86411
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7



#72
1,2,3-Trichloropropane
Concen: 13.628 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

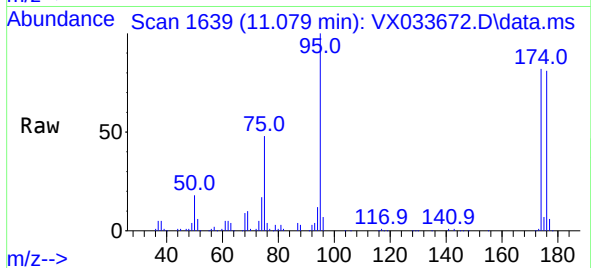
Tgt Ion: 75 Resp: 23137
Ion Ratio Lower Upper
75 100
77 0.8 0.0 74.6





#77
t-1,4-Dichloro-2-butene
Concen: 45.550 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX033672.D
Acq: 09 Jan 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 23137
Ion Ratio Lower Upper
75 100
53 0.0 60.2 180.6#
89 0.0 23.2 69.6#

