

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032771.D
 Acq On : 11 Nov 2022 13:51
 Operator : JC/MD
 Sample : N5562-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-4C(OW)

Quant Time: Nov 14 05:12:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

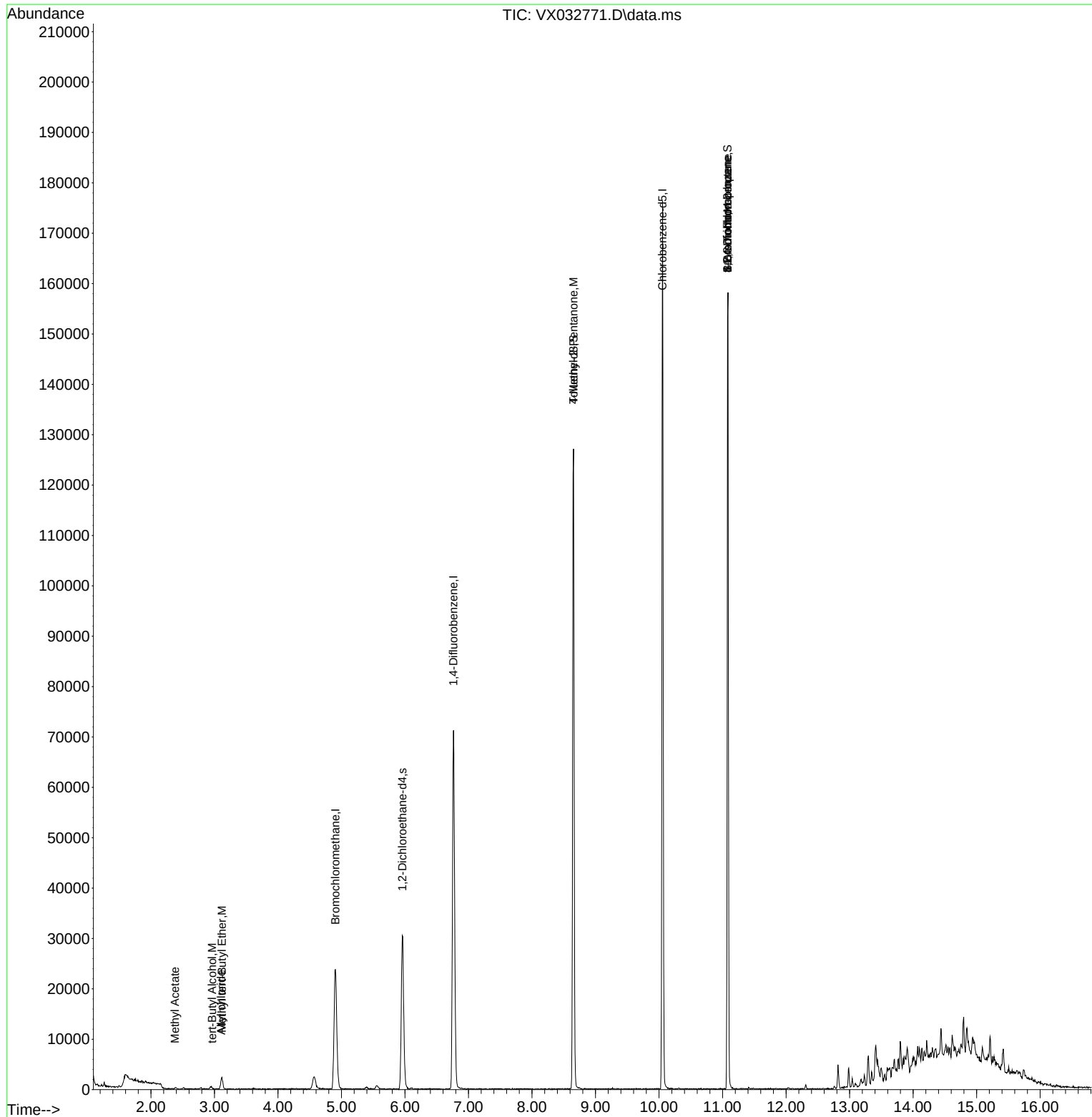
Internal Standards						
1) Bromochloromethane	4.904	128	10333	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	72475	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	77510	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	30500	30.596	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.000%
60) 4-Bromofluorobenzene	11.079	95	40104	27.049	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.167%
63) Toluene-d8	8.653	98	77548	29.646	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.833%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.380	43	360	0.242	ug/l #	44
17) Allyl chloride	3.105	41	663	0.415	ug/l #	40
23) tert-Butyl Alcohol	2.965	59	89	0.514	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	2785	0.774	ug/l #	77
56) Bromoform	11.079	173	377	0.402	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	335	0.221	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	21774	14.339	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	21774	46.990	ug/l #	8

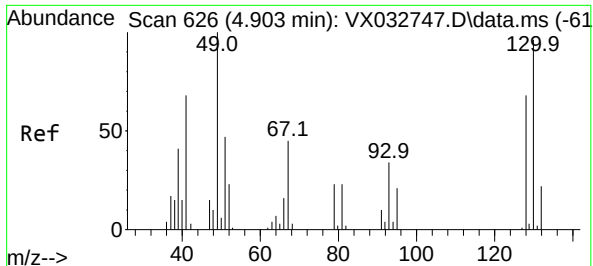
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 2022
Response via : Initial Calibration

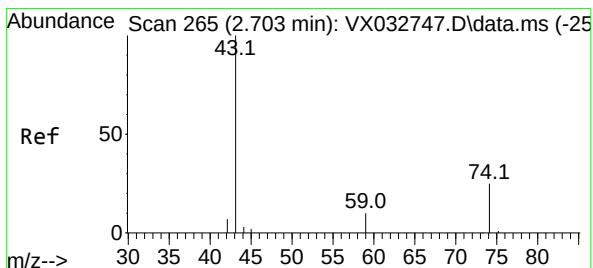
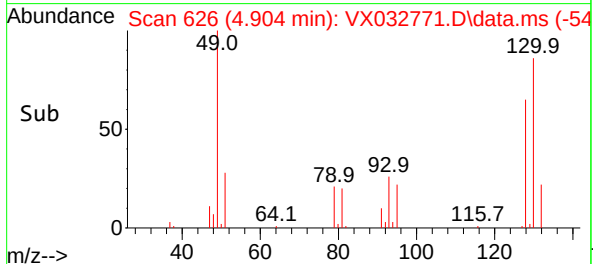
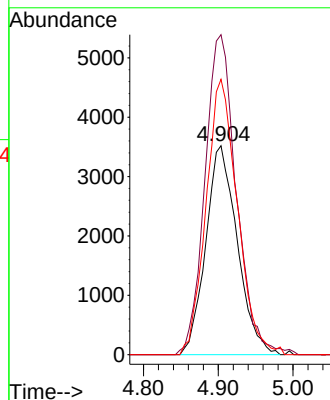
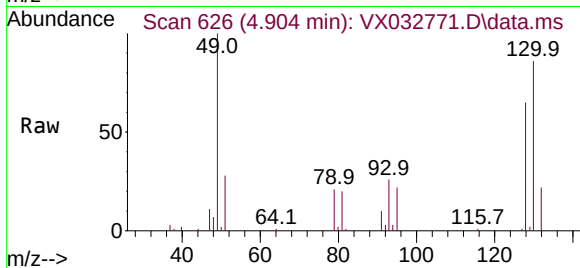




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

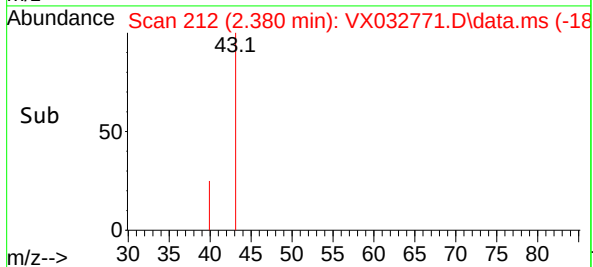
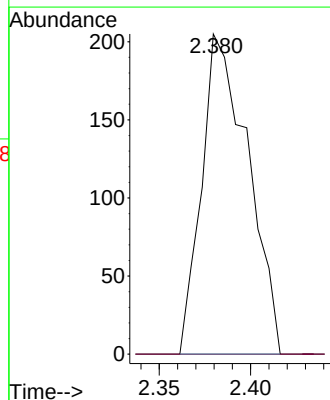
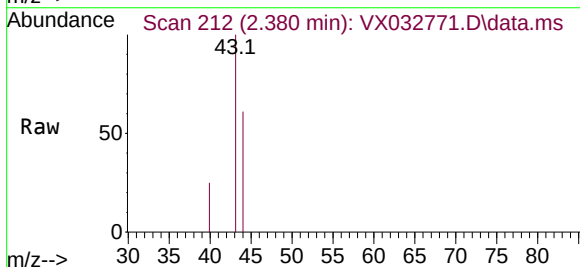
Instrument :
MSVOA_X
ClientSampleId :
B-4C(OW)

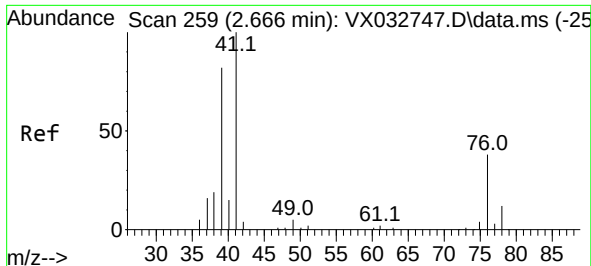
Tgt Ion:128 Resp: 10333
Ion Ratio Lower Upper
128 100
49 152.7 0.0 293.0
130 130.8 0.0 321.5



#12
Methyl Acetate
Concen: 0.242 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.323 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
74 0.0 24.8 37.2#





#17

Allyl chloride

Concen: 0.415 ug/l

RT: 3.105 min Scan# 311

Delta R.T. 0.439 min

Lab File: VX032771.D

Acq: 11 Nov 2022 13:51

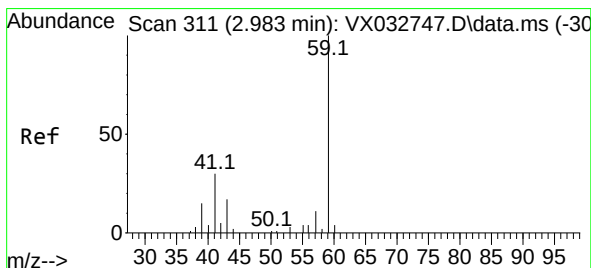
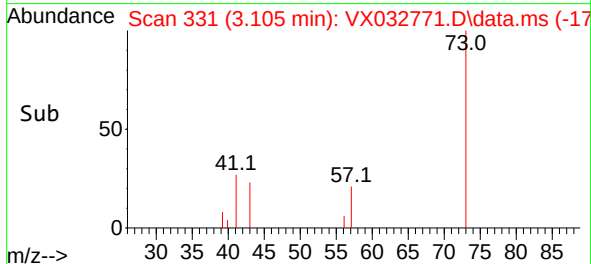
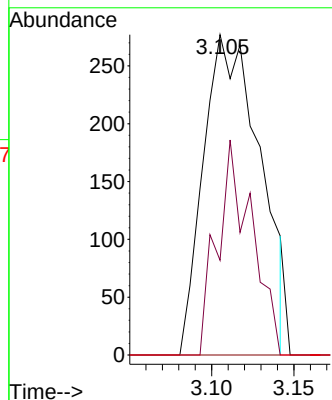
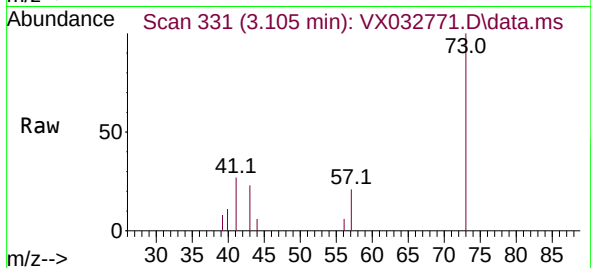
Instrument :

MSVOA_X

ClientSampleId :

B-4C(OW)

Tgt Ion:	41	Resp:	663
Ion	Ratio	Lower	Upper
41	100		
39	29.6	37.0	111.0#
76	0.0	23.8	71.5#



#23

tert-Butyl Alcohol

Concen: 0.514 ug/l

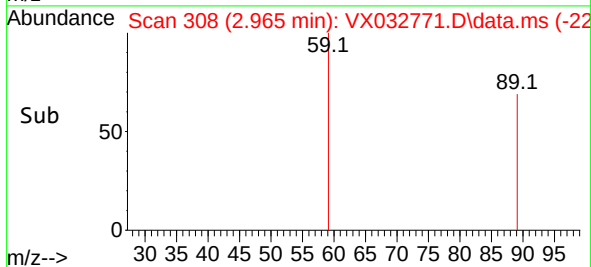
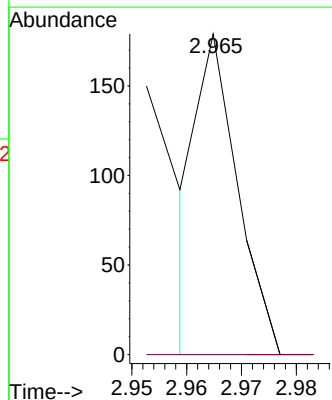
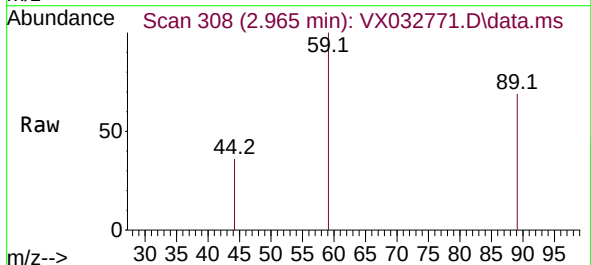
RT: 2.965 min Scan# 308

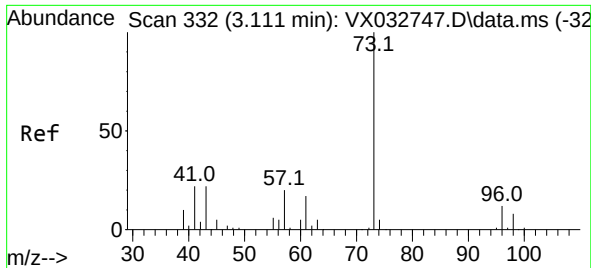
Delta R.T. -0.018 min

Lab File: VX032771.D

Acq: 11 Nov 2022 13:51

Tgt Ion:	59	Resp:	89
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

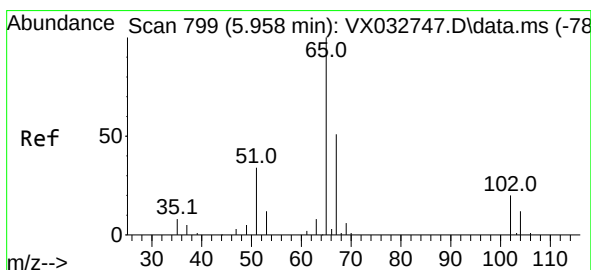
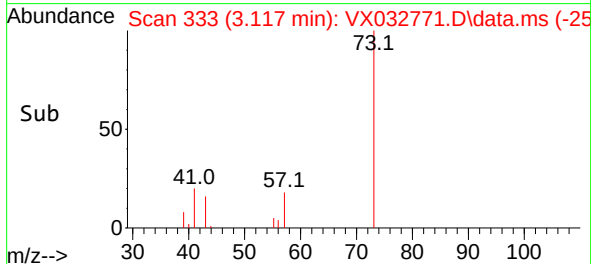
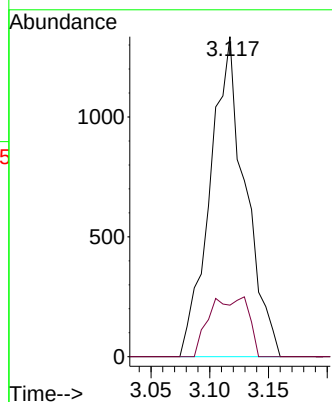
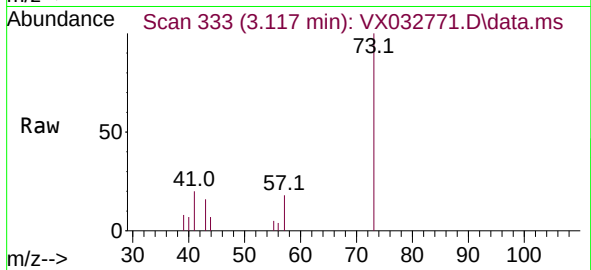




#24
Methyl tert-Butyl Ether
Concen: 0.774 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

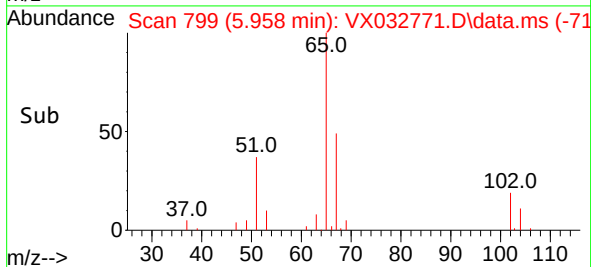
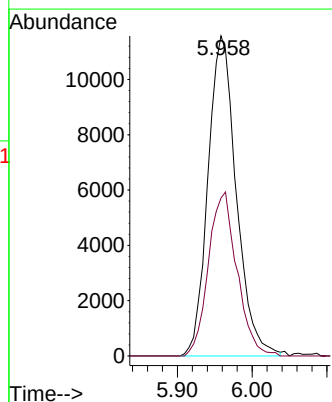
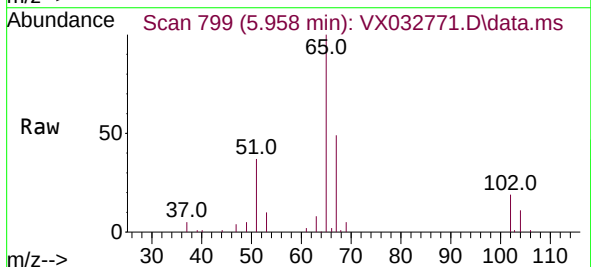
Instrument :
MSVOA_X
ClientSampleId :
B-4C(OW)

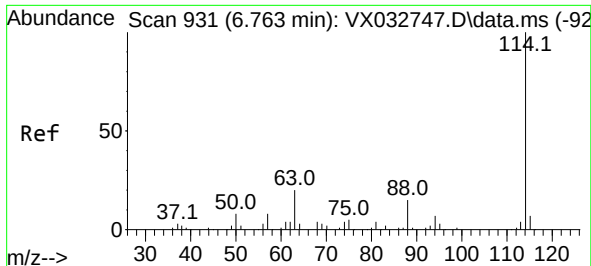
Tgt Ion: 73 Resp: 2785
Ion Ratio Lower Upper
73 100
43 8.3 14.8 22.2#



#27
1,2-Dichloroethane-d4
Concen: 30.596 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 65 Resp: 30500
Ion Ratio Lower Upper
65 100
67 51.4 41.8 62.6

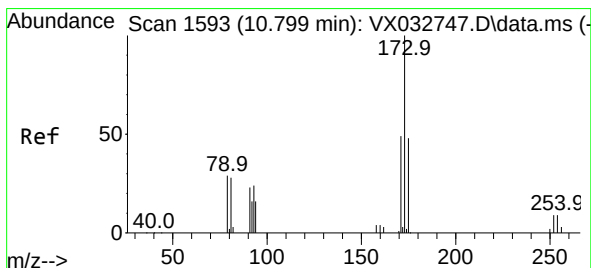
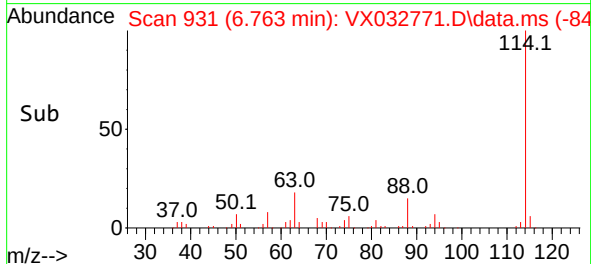
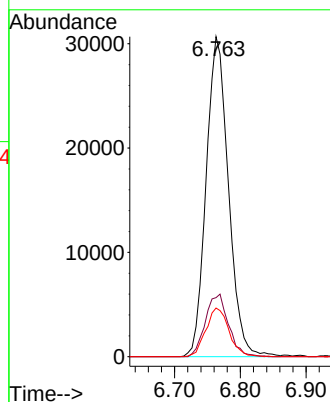
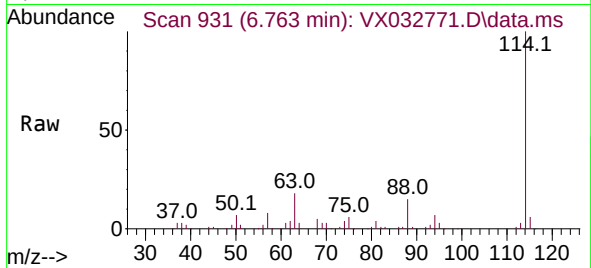




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

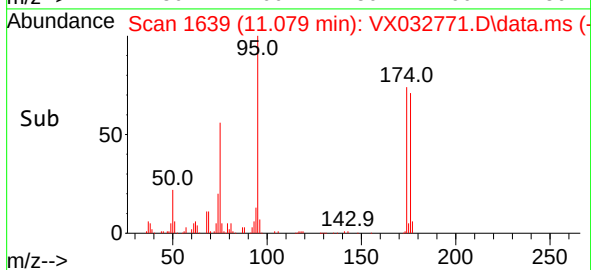
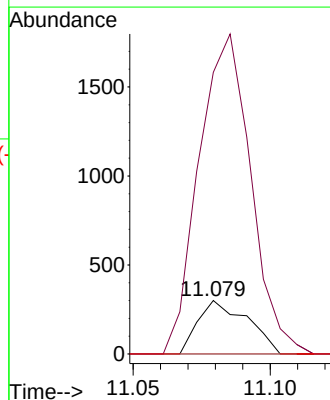
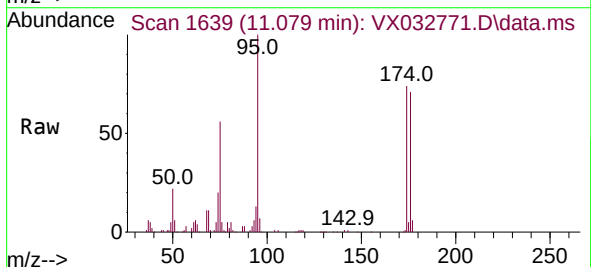
Instrument :
MSVOA_X
ClientSampleId :
B-4C(OW)

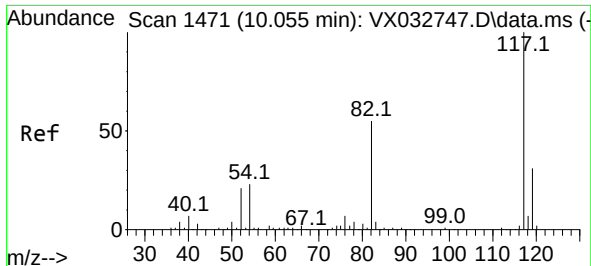
Tgt Ion:114 Resp: 72475
Ion Ratio Lower Upper
114 100
63 20.2 13.6 20.4
88 15.8 11.8 17.6



#56
Bromoform
Concen: 0.402 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

Tgt Ion:173 Resp: 377
Ion Ratio Lower Upper
173 100
175 628.4 38.6 58.0#
254 0.0 6.8 10.2#

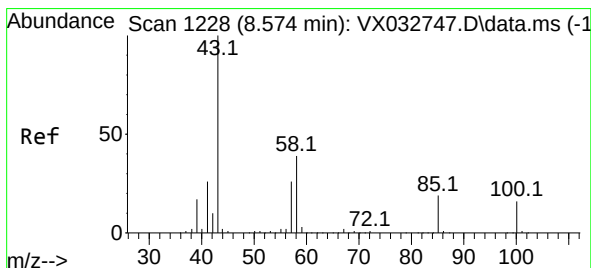
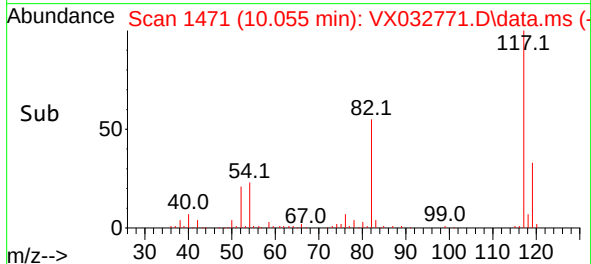
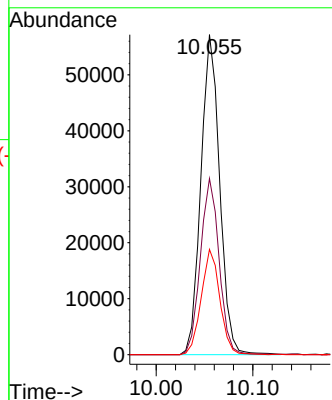
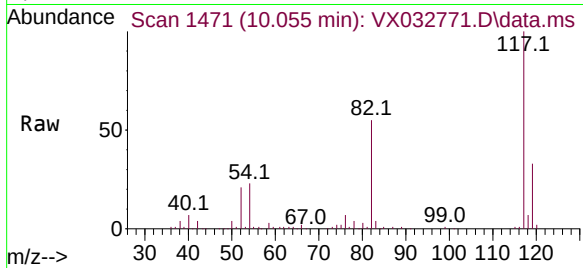




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

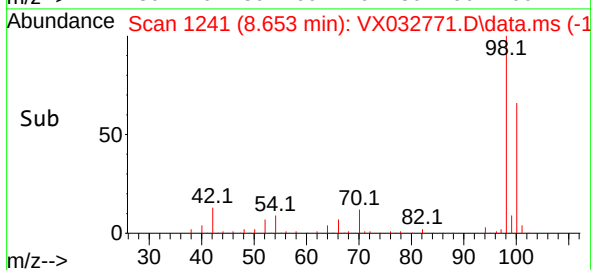
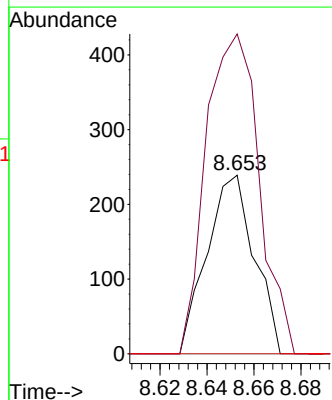
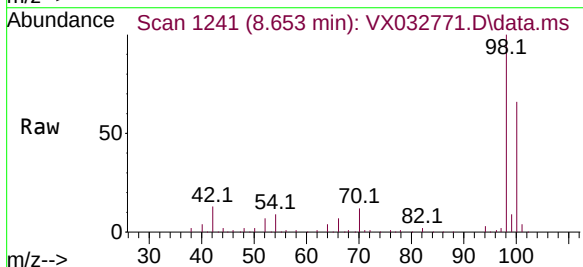
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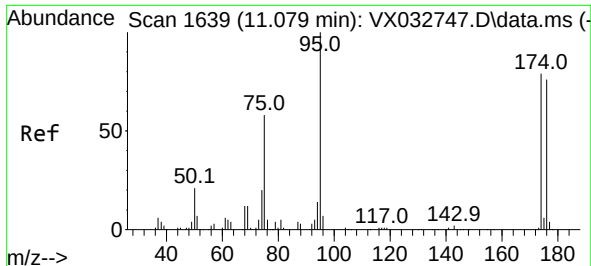
Tgt Ion:117 Resp: 77510
Ion Ratio Lower Upper
117 100
82 54.6 40.0 60.0
119 32.5 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 0.221 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
58 200.3 34.9 52.3#
85 0.0 19.4 29.2#

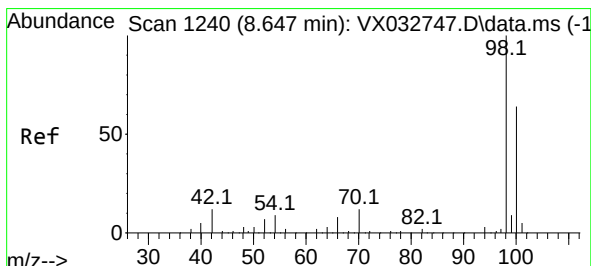
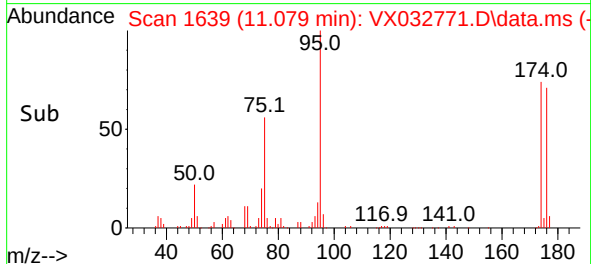
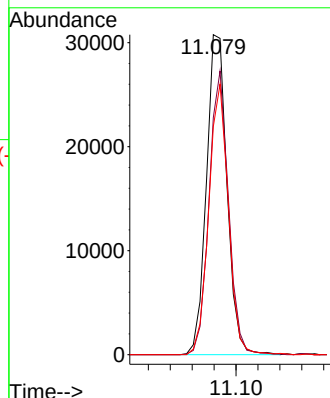
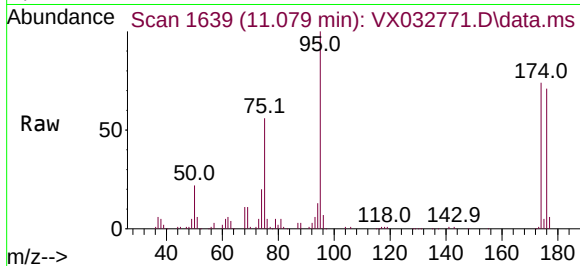




#60
4-Bromofluorobenzene
Concen: 27.049 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

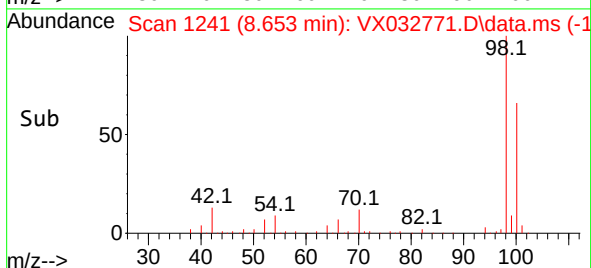
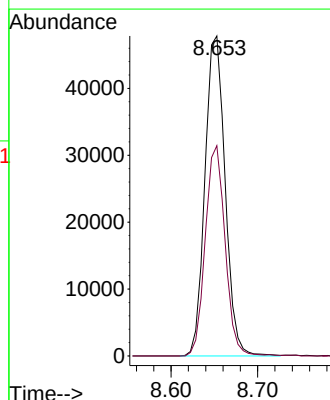
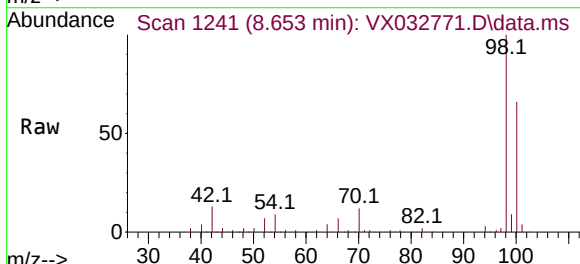
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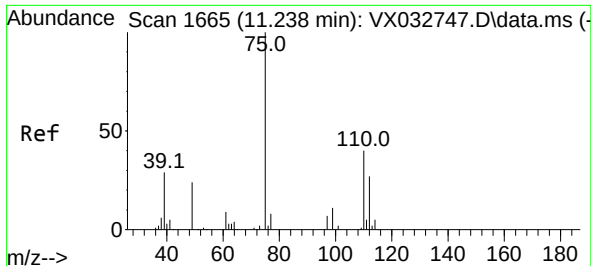
Tgt Ion: 95 Resp: 40104
Ion Ratio Lower Upper
95 100
174 83.6 68.2 102.2
176 80.4 68.1 102.1



#63
Toluene-d8
Concen: 29.646 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 98 Resp: 77548
Ion Ratio Lower Upper
98 100
100 64.3 53.8 80.8

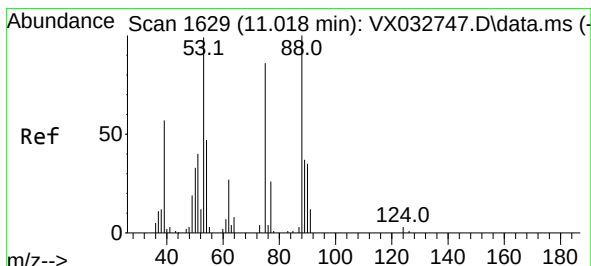
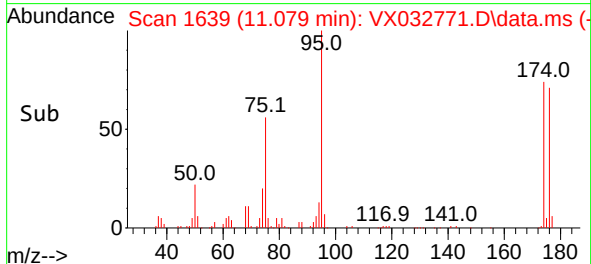
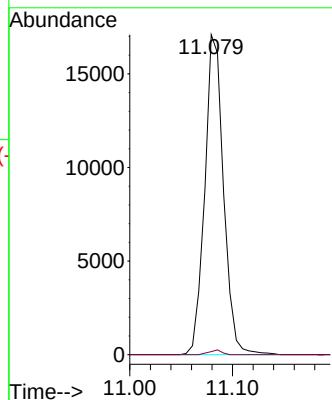
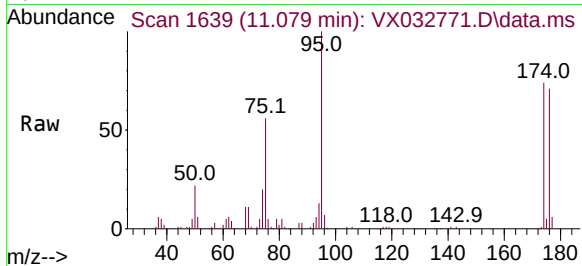




#72
1,2,3-Trichloropropane
Concen: 14.339 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

Instrument :
MSVOA_X
ClientSampleId :
B-4C(OW)

Tgt Ion: 75 Resp: 21774
Ion Ratio Lower Upper
75 100
77 1.0 0.0 76.6



#77
t-1,4-Dichloro-2-butene
Concen: 46.990 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032771.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 75 Resp: 21774
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

