

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041620\
 Data File : VX015706.D
 Acq On : 16 Apr 2020 12:59
 Operator : JC/SP
 Sample : L2233-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0543-200408

Quant Time: Apr 17 06:45:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1067137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1592652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1544365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	836908	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	629335	41.81	ug/l	0.00
Spiked Amount			Recovery	=	83.62%	
35) Dibromofluoromethane	5.47	113	490404	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
50) Toluene-d8	8.70	98	1925004	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.12	95	797165	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	

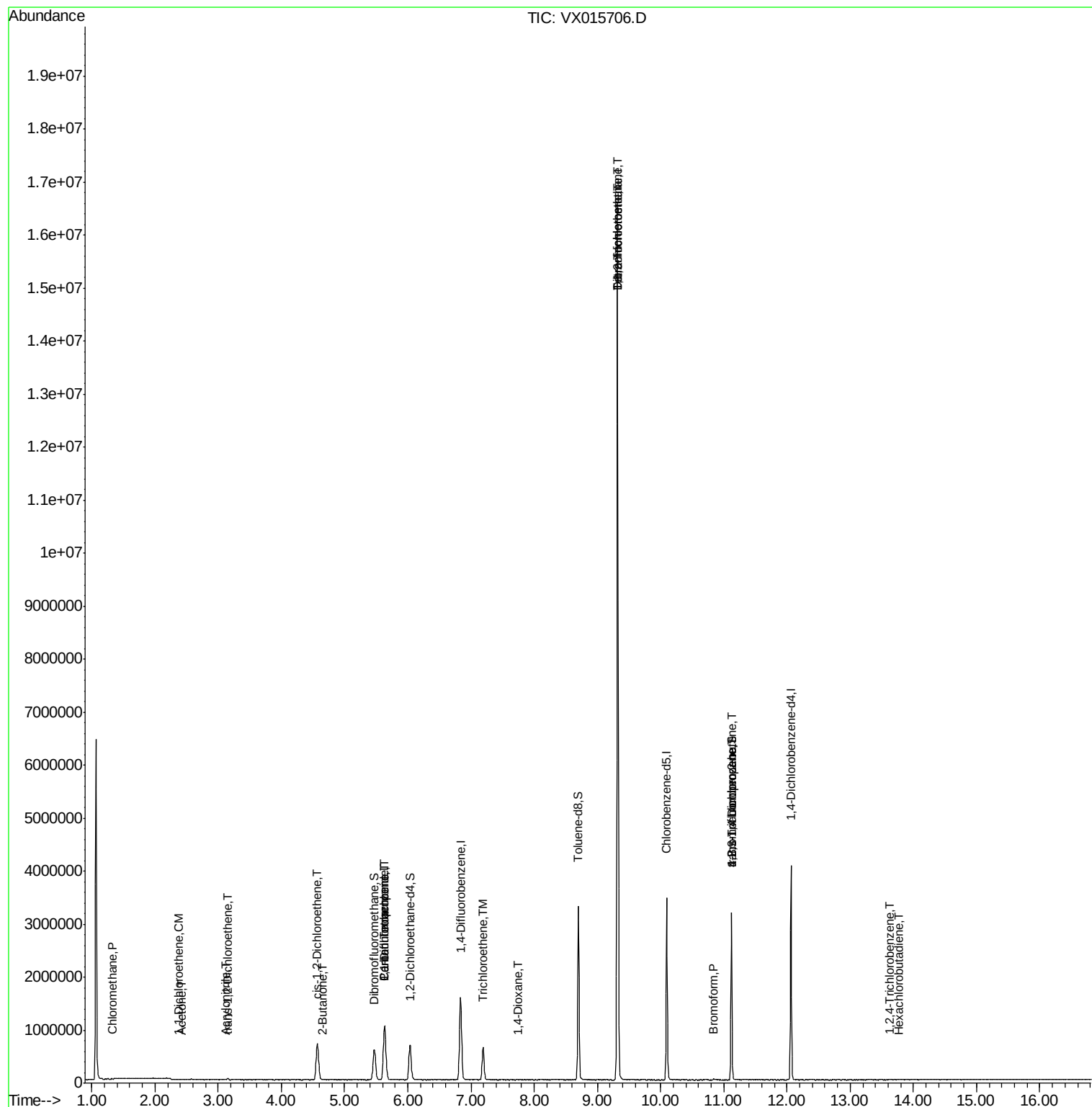
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	5596	0.467	ug/l	99
5) Bromomethane	1.64	94	1872	Below Cal	#	56
12) 1,1-Dichloroethene	2.37	96	2092	0.208	ug/l #	3
15) Acrylonitrile	3.12	53	1926	0.280	ug/l #	54
16) Acetone	2.42	43	5510	0.852	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	9927	0.888	ug/l	86
25) 2-Butanone	4.65	43	2536	0.244	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	444789	34.384	ug/l	88
36) 1,1-Dichloropropene	5.63	75	69752	4.753	ug/l #	53
38) Carbon Tetrachloride	5.64	117	94453	5.943	ug/l #	15
44) Trichloroethene	7.19	130	247096	21.077	ug/l	91
49) 1,4-Dioxane	7.73	88	727	2.419	ug/l #	27
55) 1,1,2-Trichloroethane	9.32	97	26414	2.433	ug/l #	1
60) Dibromochloromethane	9.32	129	2992603	229.367	ug/l #	11
64) Tetrachloroethene	9.32	164	3422519	293.654	ug/l	98
71) Bromoform	10.84	173	8293	0.740	ug/l #	83
76) 1,2,3-Trichloropropane	11.12	75	401984	23.357	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	401984	56.044	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.63	180	4062	0.200	ug/l	90
94) Hexachlorobutadiene	13.76	225	2026	0.210	ug/l	92

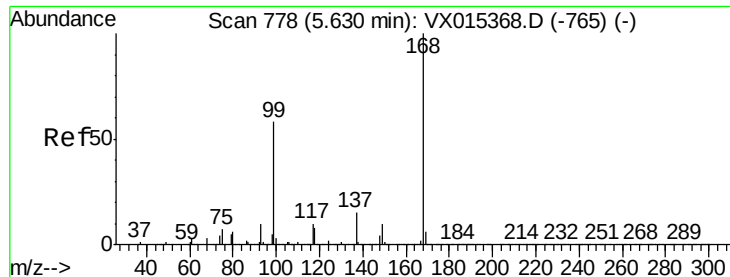
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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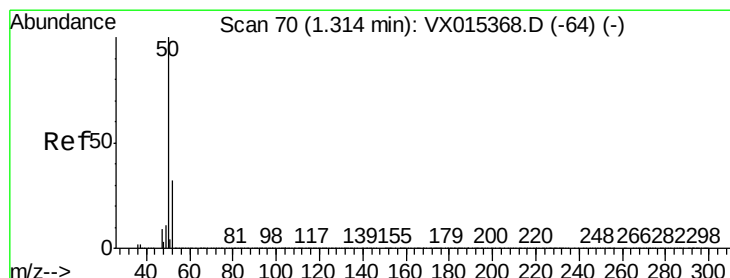
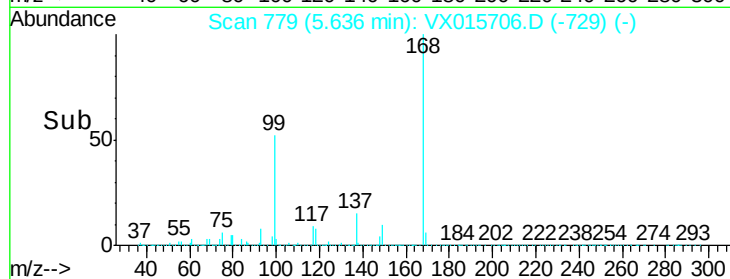
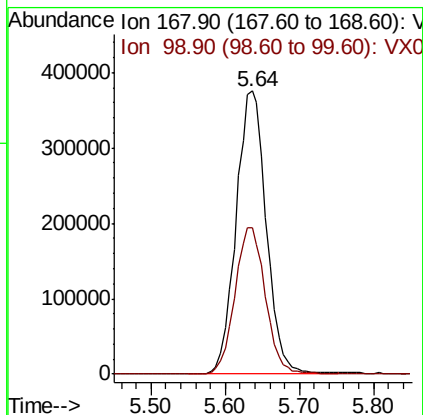
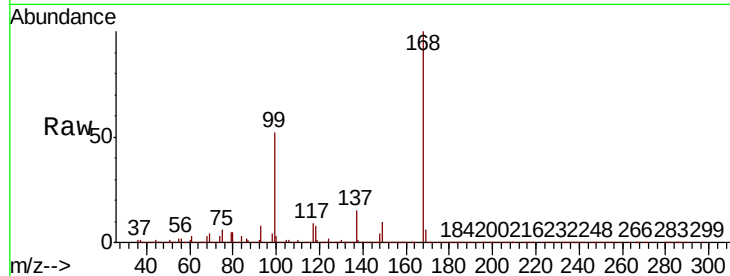


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VX015706.D
 Acq: 16 Apr 2020 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0543-200408

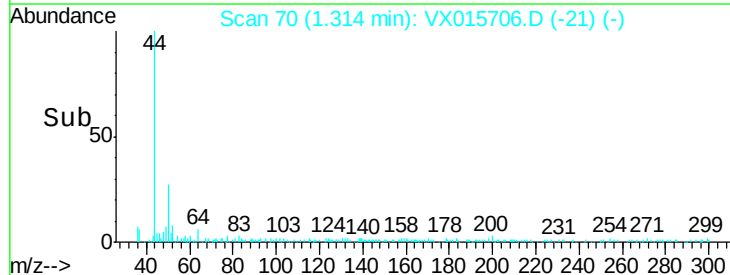
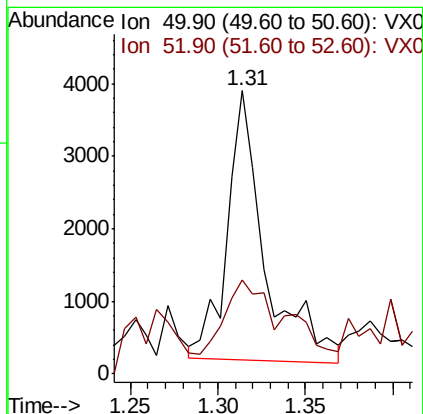
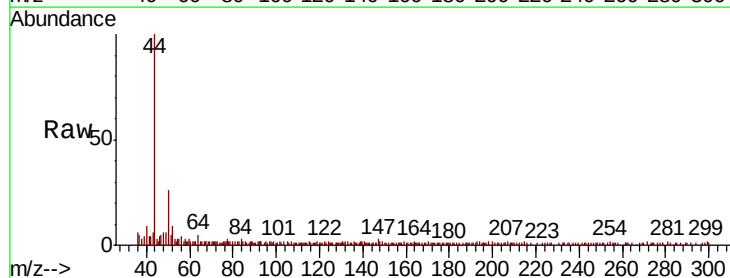
Tot Ion:168 Resp: 1067137
 Ion Ratio Lower Upper
 168 100
 99 51.5 46.4 69.6

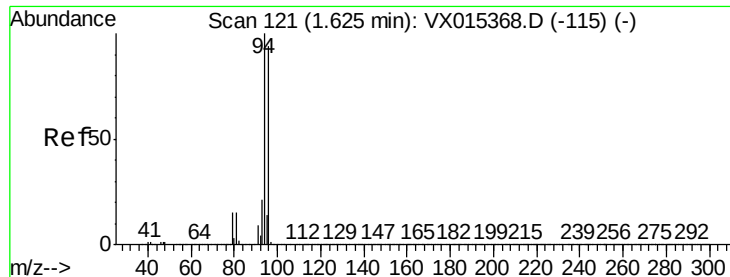


#3

Chloromethane
 Concen: 0.467 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: VX015706.D
 Acq: 16 Apr 2020 12:59

Tgt Ion: 50 Resp: 5596
 Ion Ratio Lower Upper
 50 100
 52 32.2 25.3 37.9





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

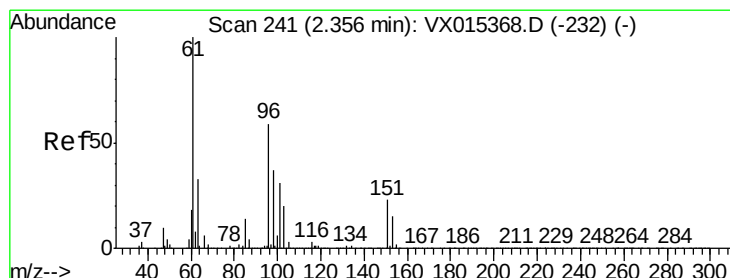
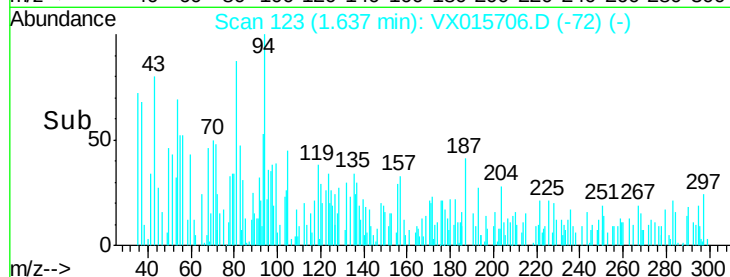
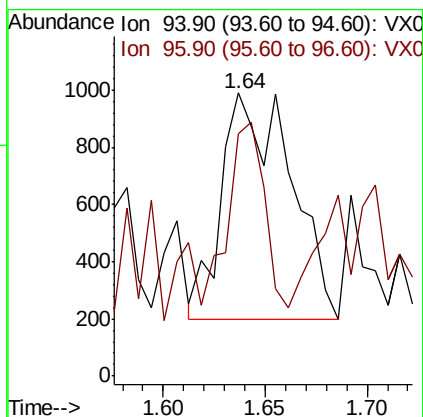
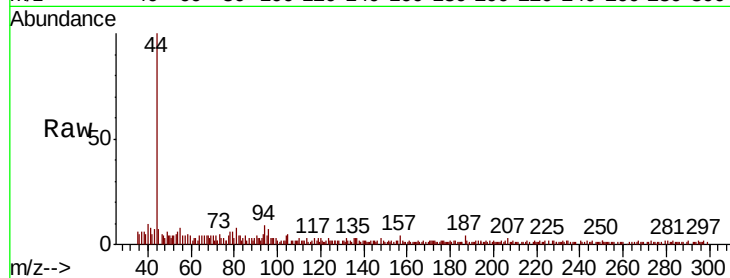
Z3-DUP-0543-200408

Tot Ion: 94 Resp: 1872

Ion Ratio Lower Upper

94 100

96 51.2 74.8 112.2#



#12

1,1-Dichloroethene

Concen: 0.208 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

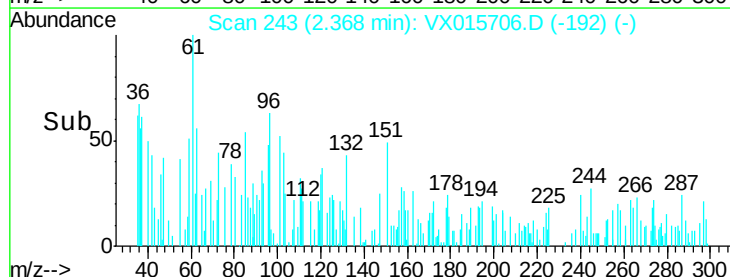
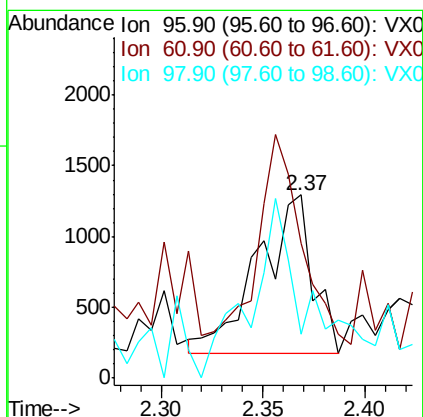
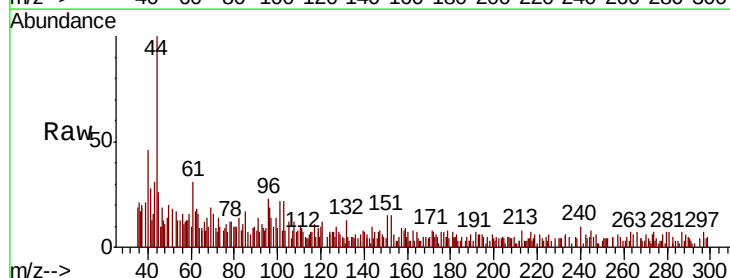
Tgt Ion: 96 Resp: 2092

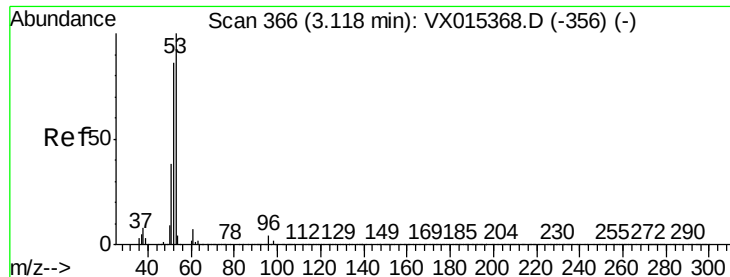
Ion Ratio Lower Upper

96 100

61 22.9 135.7 203.5#

98 9.4 50.6 75.8#





#15

Acrylonitrile

Concen: 0.280 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.00 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0543-200408

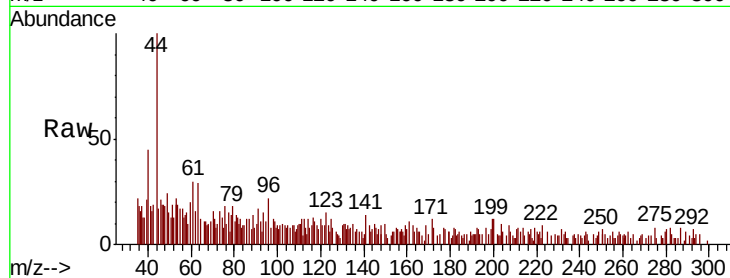
Tot Ion: 53 Resp: 1926

Ion Ratio Lower Upper

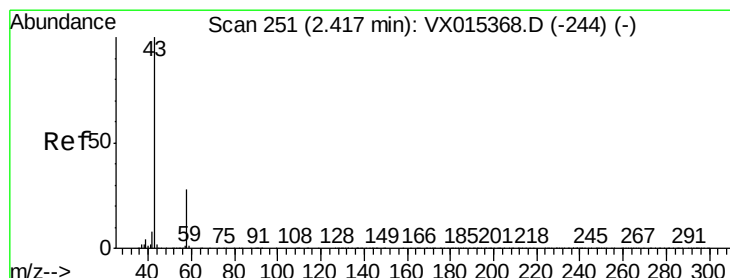
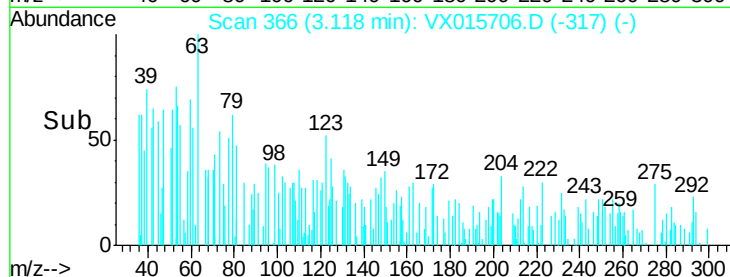
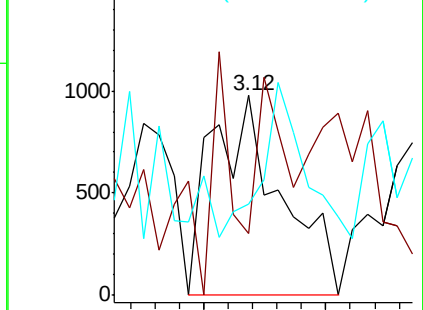
53 100

52 28.3 66.8 100.2#

51 44.4 29.5 44.3#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.852 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015706.D

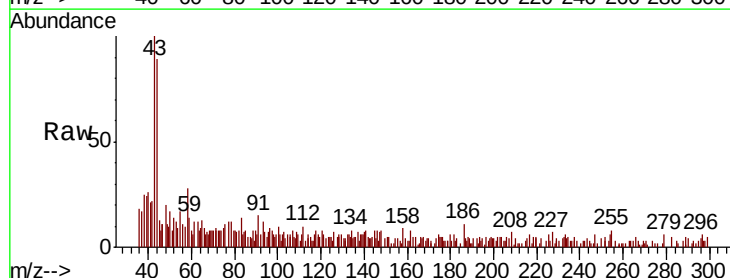
Acq: 16 Apr 2020 12:59

Tgt Ion: 43 Resp: 5510

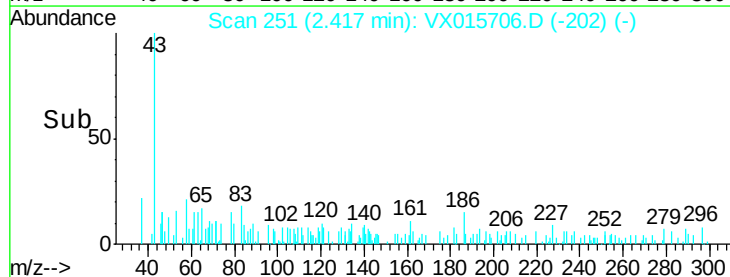
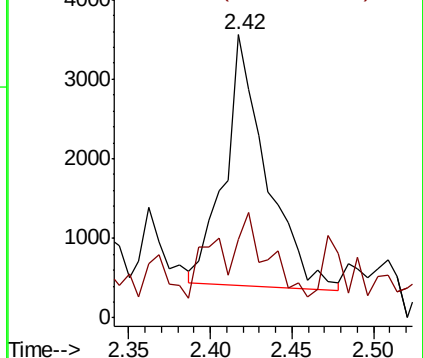
Ion Ratio Lower Upper

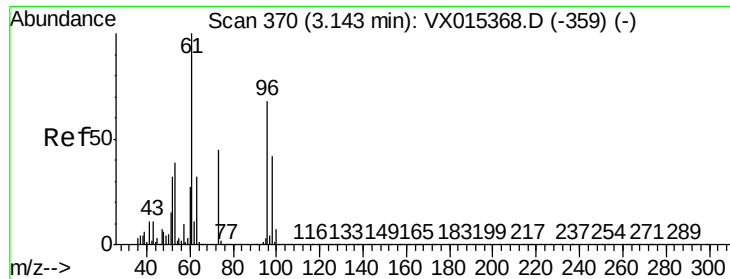
43 100

58 23.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.888 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0543-200408

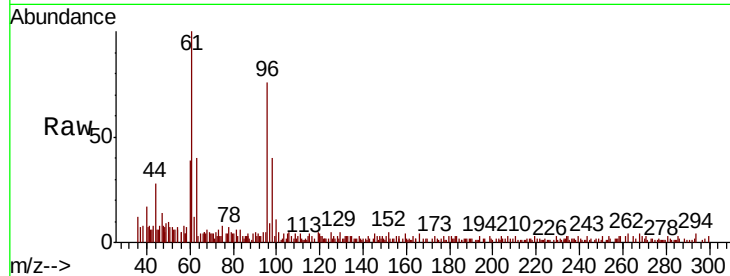
Tot Ion: 96 Resp: 9927

Ion Ratio Lower Upper

96 100

61 127.9 116.9 175.3

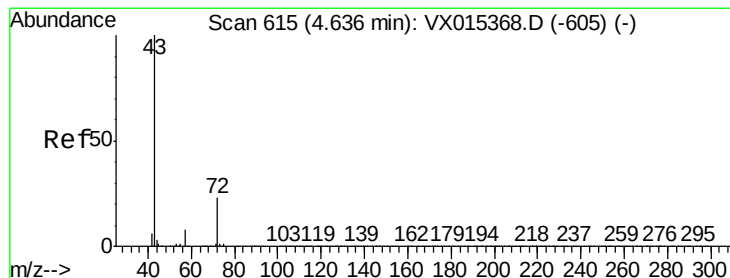
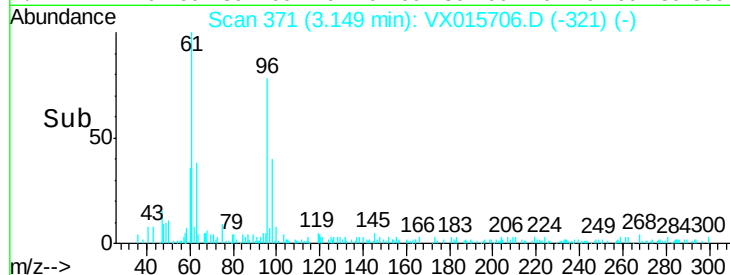
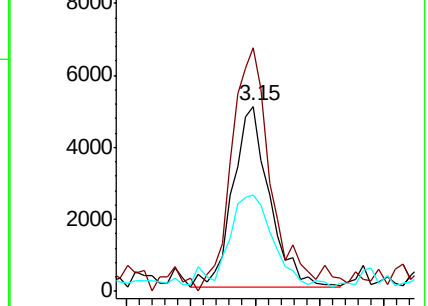
98 50.2 48.6 73.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.244 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015706.D

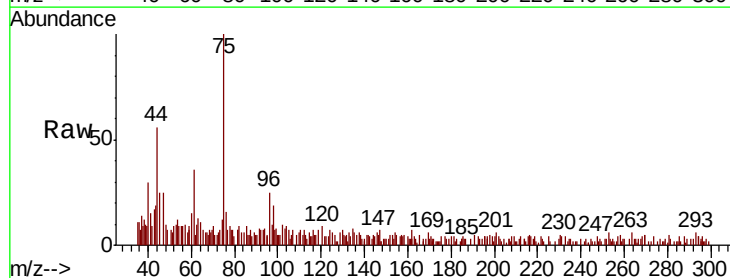
Acq: 16 Apr 2020 12:59

Tgt Ion: 43 Resp: 2536

Ion Ratio Lower Upper

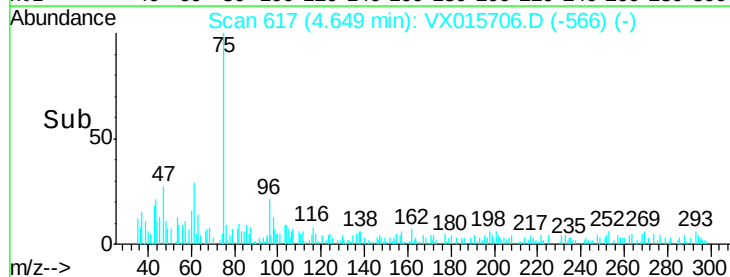
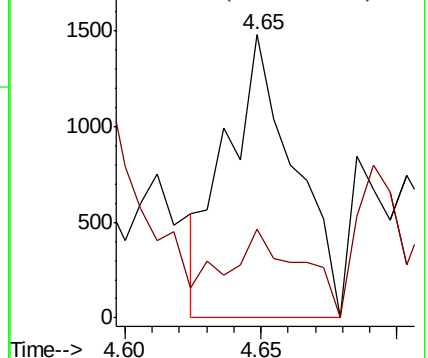
43 100

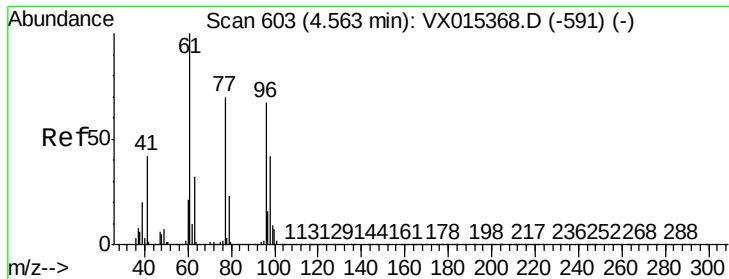
72 20.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



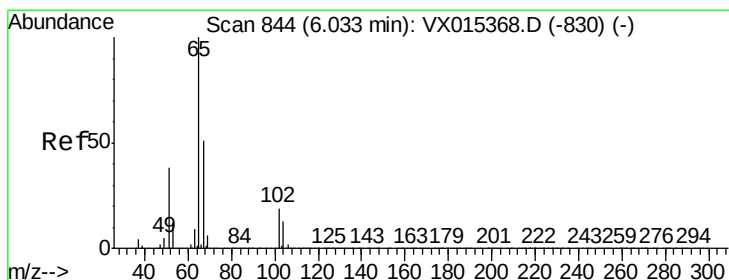
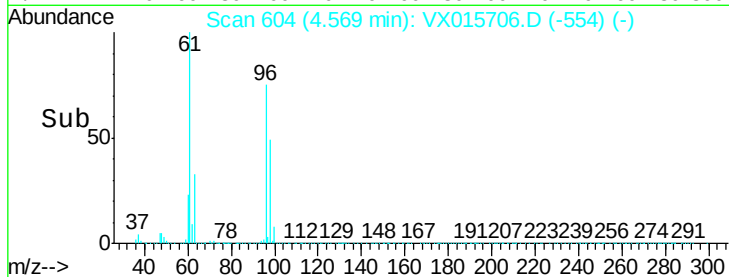
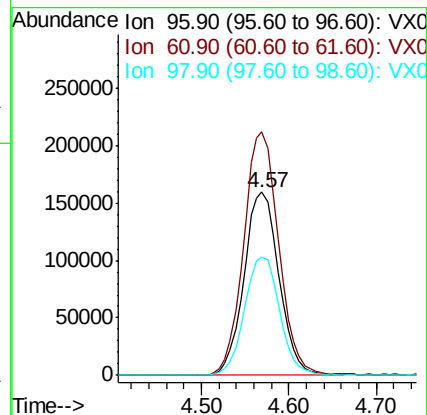
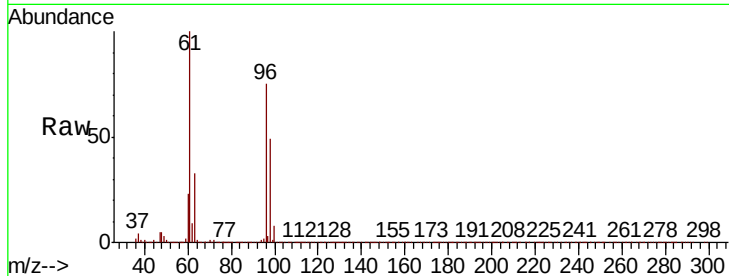


#27

cis-1,2-Dichloroethene
Concen: 34.384 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015706.D
Acq: 16 Apr 2020 12:59

Instrument :
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ClientSampleId :
Z3-DUP-0543-200408

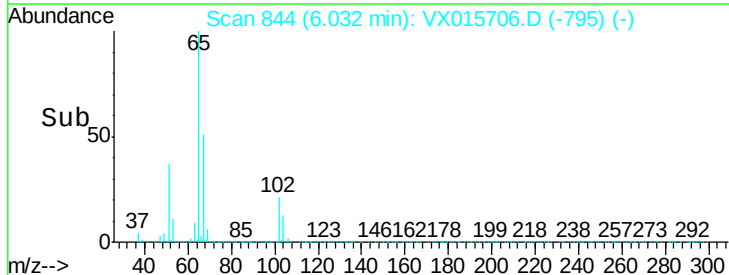
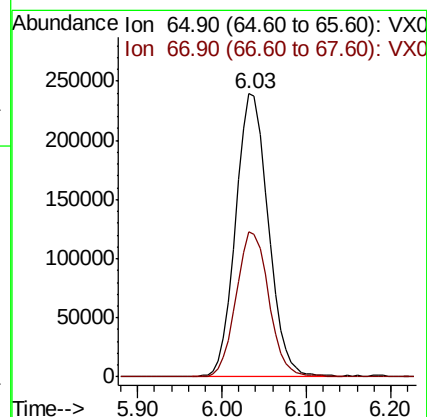
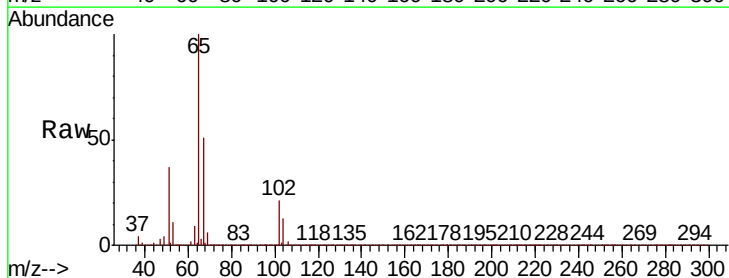
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	308.4
98	64.4	0.0	129.2

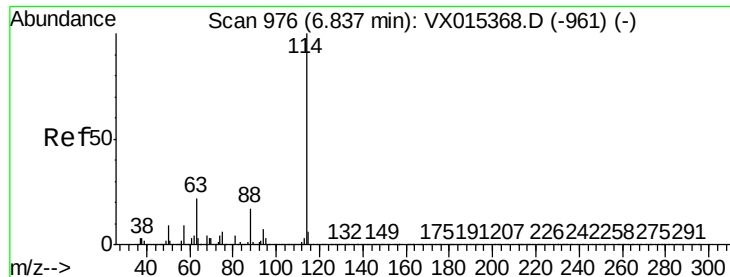


#33

1,2-Dichloroethane-d4
Concen: 41.814 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.00 min
Lab File: VX015706.D
Acq: 16 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.6

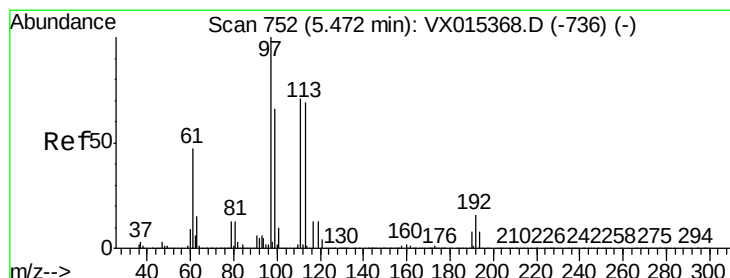
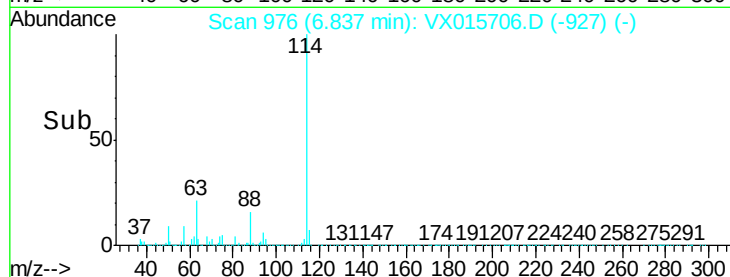
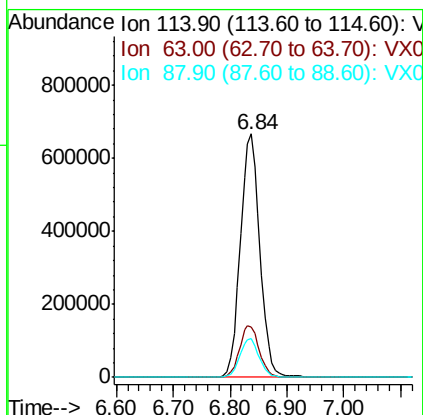
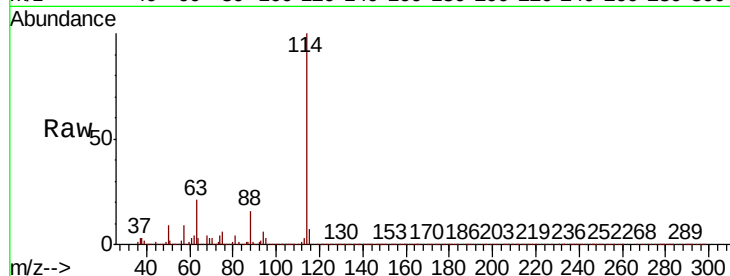




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015706.D
 Acq: 16 Apr 2020 12:59

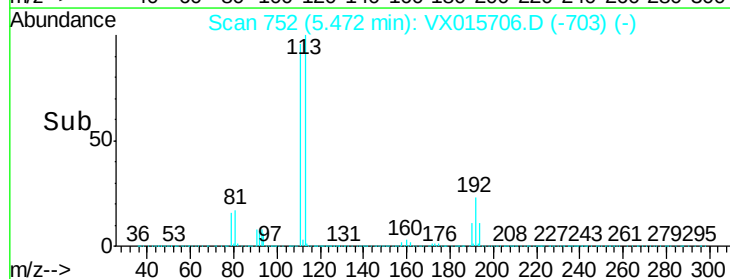
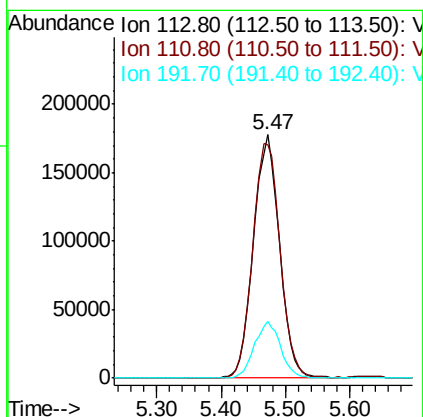
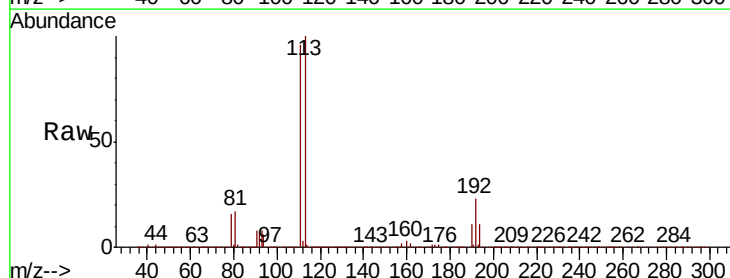
Instrument :
 MSVOA_X
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 Z3-DUP-0543-200408

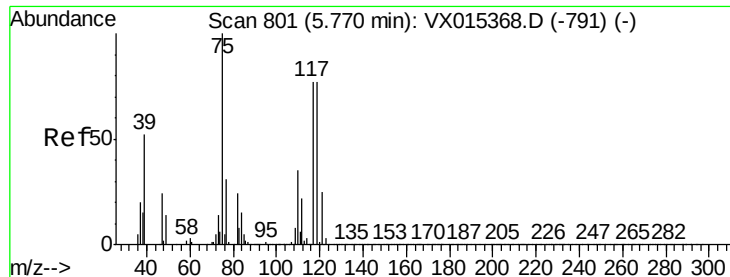
Tot Ion:114 Resp: 1592652
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 44.2
 88 16.1 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 48.170 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015706.D
 Acq: 16 Apr 2020 12:59

Tgt Ion:113 Resp: 490404
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.5 122.3
 192 23.4 17.8 26.6

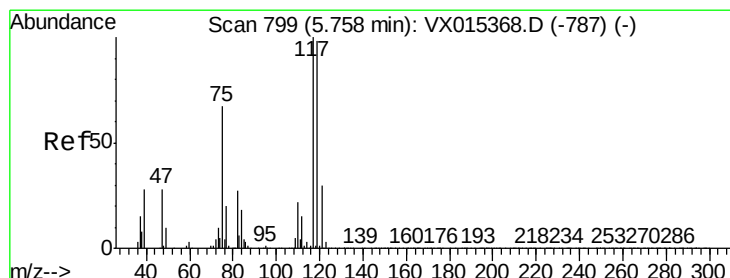
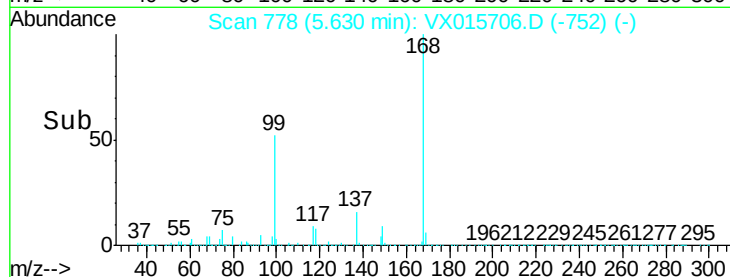
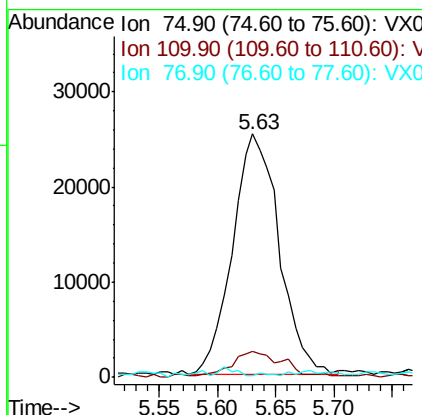
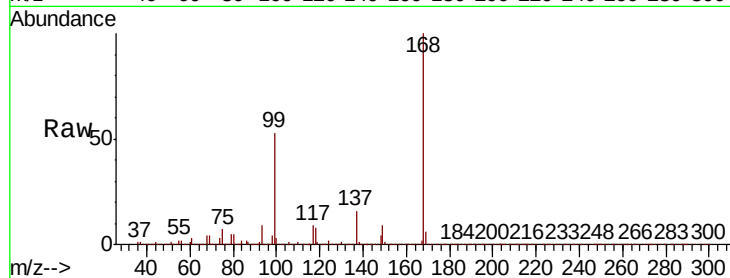




#36
 1,1-Dichloropropene
 Concen: 4.753 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015706.D
 Acq: 16 Apr 2020 12:59

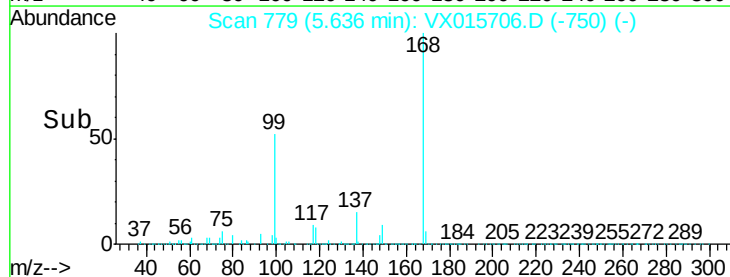
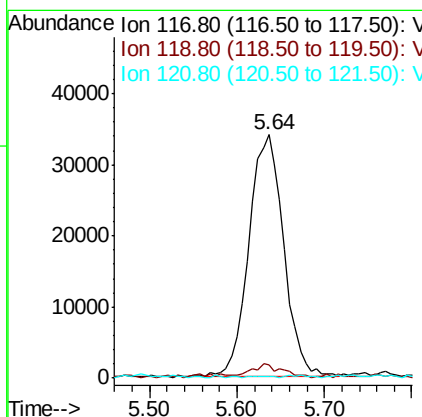
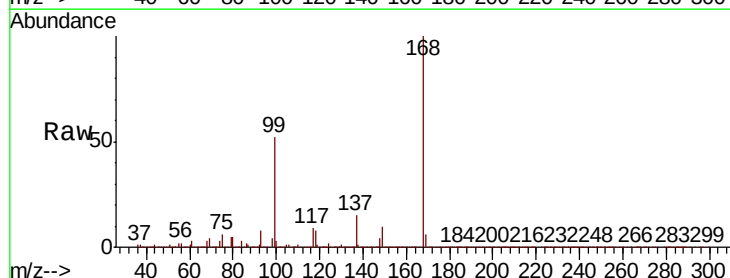
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0543-200408

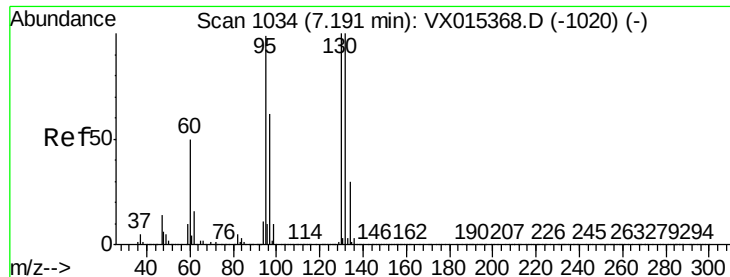
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.0	17.1	51.3#
77	0.2	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.943 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015706.D
 Acq: 16 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.0	117.0#
121	0.0	23.8	35.8#





#44

Trichloroethene

Concen: 21.077 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

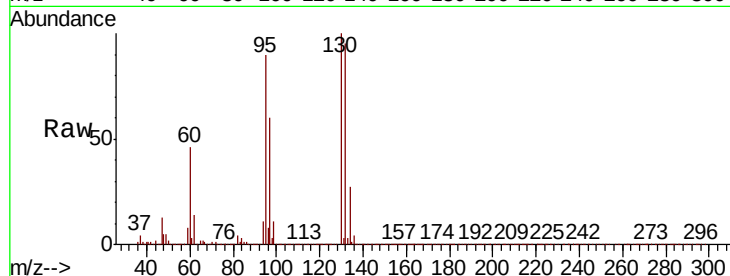
Z3-DUP-0543-200408

Tot Ion:130 Resp: 247096

Ion Ratio Lower Upper

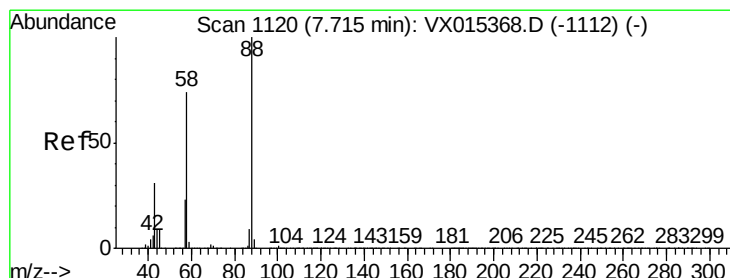
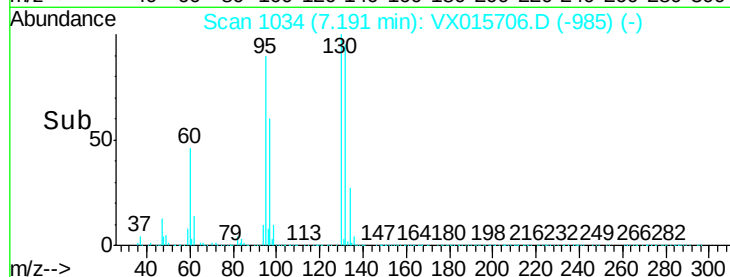
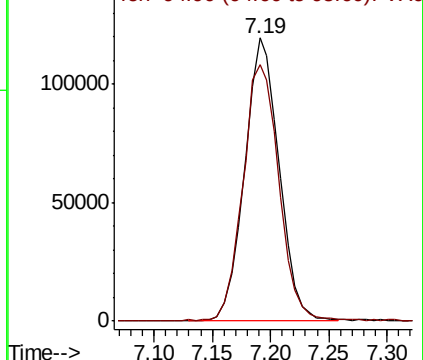
130 100

95 90.1 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.419 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

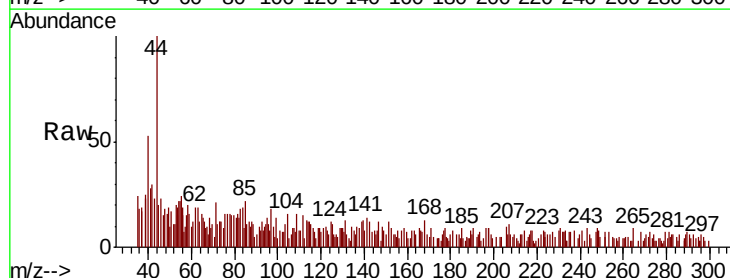
Tgt Ion: 88 Resp: 727

Ion Ratio Lower Upper

88 100

43 82.7 30.1 45.1#

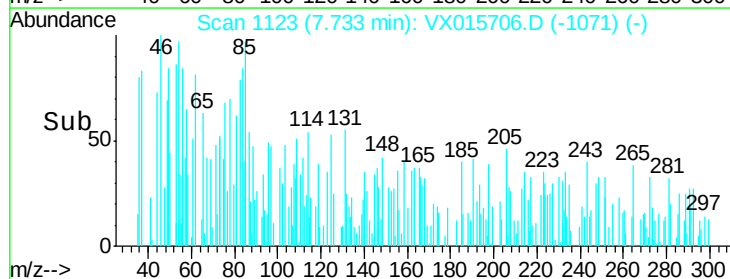
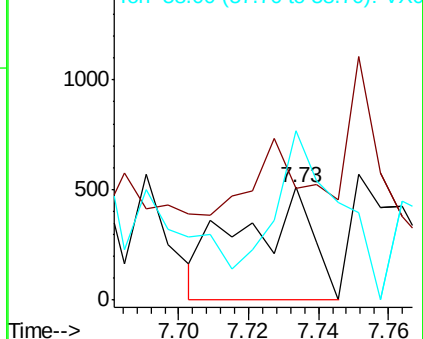
58 137.8 60.6 90.8#

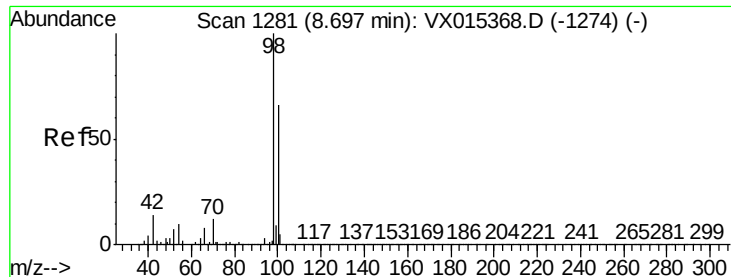


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.357 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

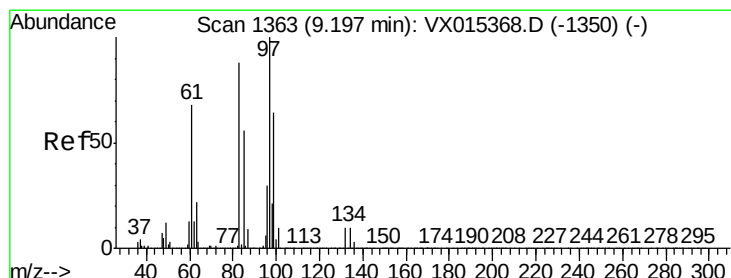
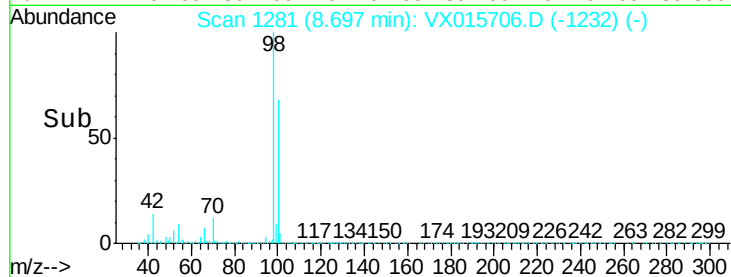
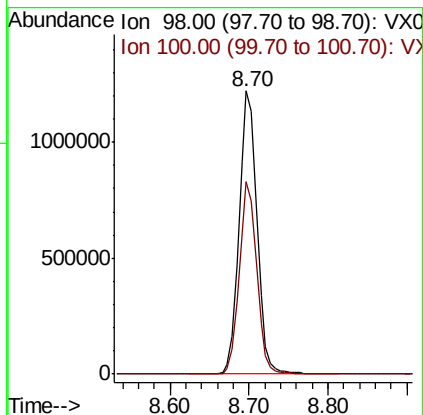
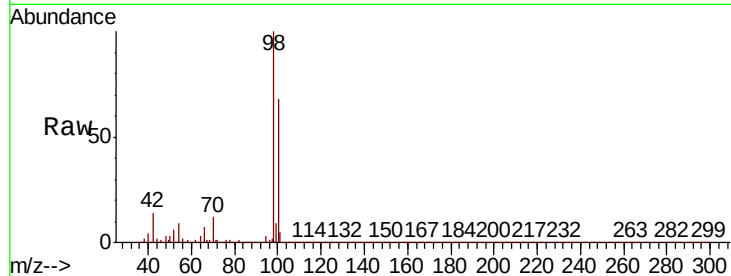
Z3-DUP-0543-200408

Tot Ion: 98 Resp: 1925004

Ion Ratio Lower Upper

98 100

100 66.5 53.5 80.3



#55

1,1,2-Trichloroethane

Concen: 2.433 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. 0.12 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

Tgt Ion: 97 Resp: 26414

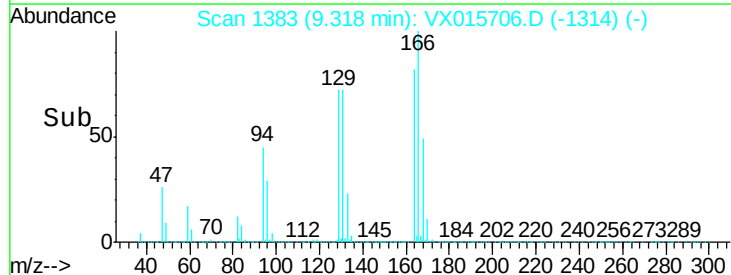
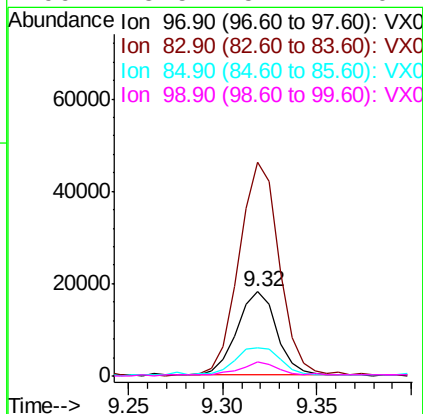
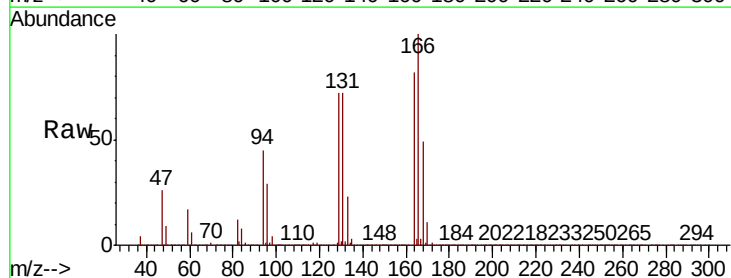
Ion Ratio Lower Upper

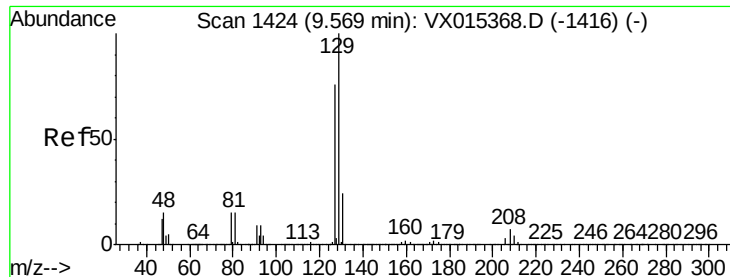
97 100

83 255.0 70.2 105.4#

85 31.9 44.7 67.1#

99 15.5 51.1 76.7#





#60

Dibromochloromethane

Concen: 229.367 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

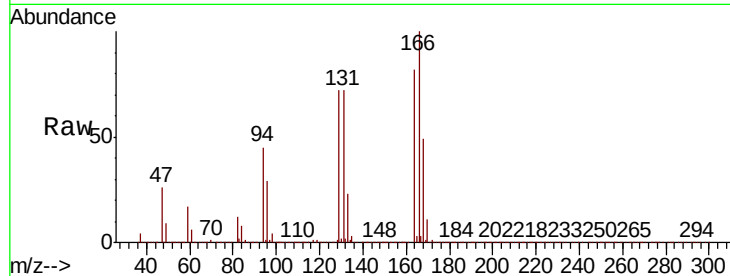
Z3-DUP-0543-200408

Tot Ion:129 Resp: 2992603

Ion Ratio Lower Upper

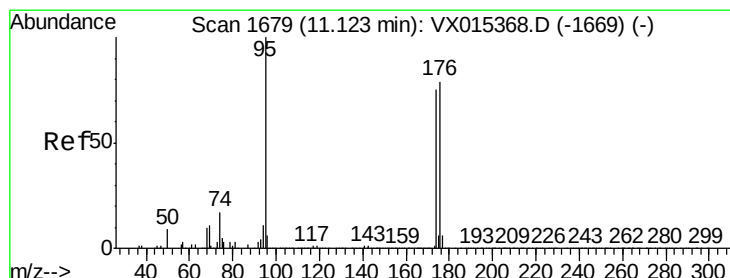
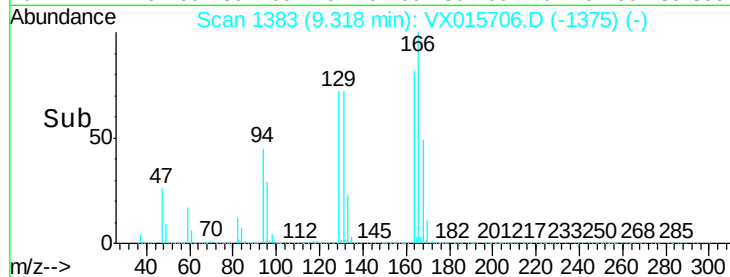
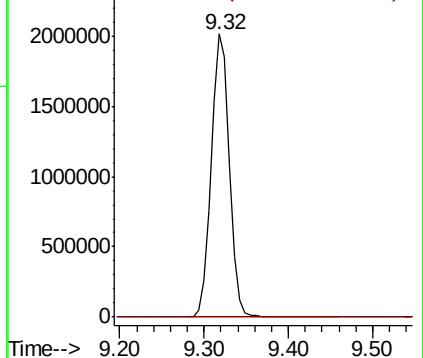
129 100

127 0.0 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 52.332 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

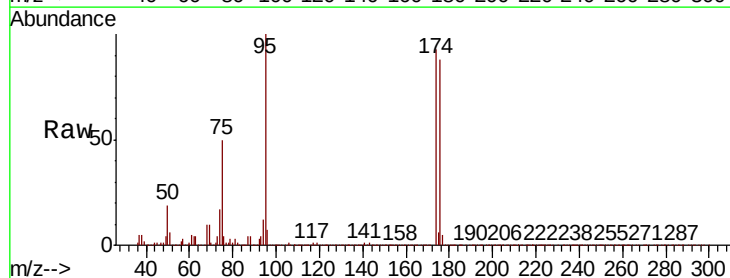
Tgt Ion: 95 Resp: 797165

Ion Ratio Lower Upper

95 100

174 87.0 0.0 158.6

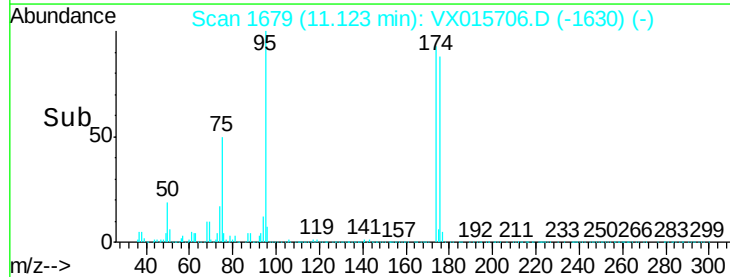
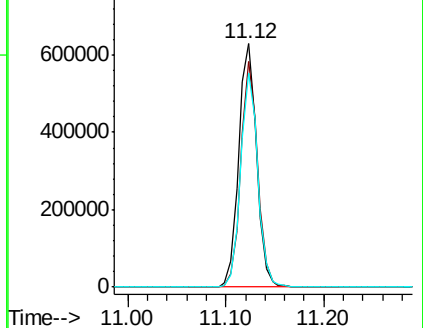
176 84.0 0.0 159.0

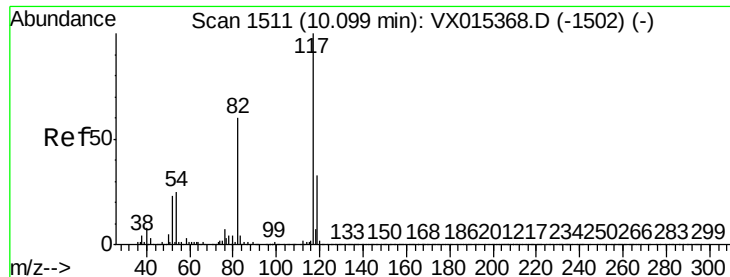


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

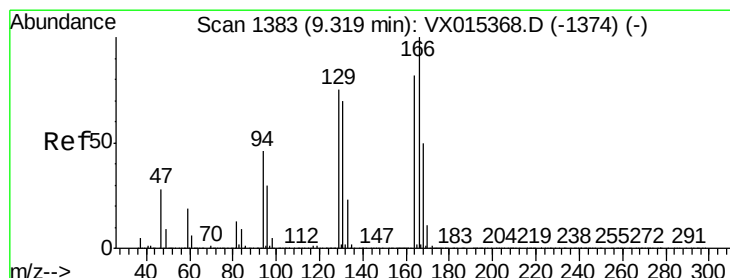
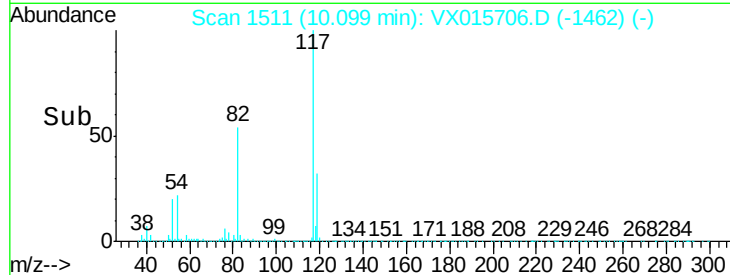
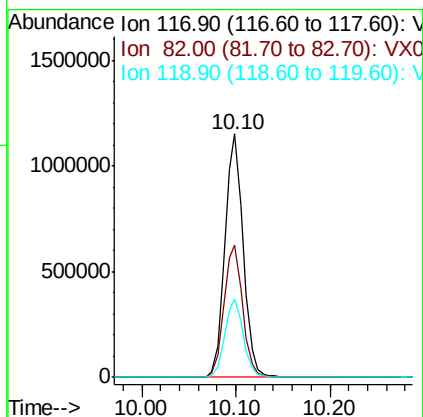
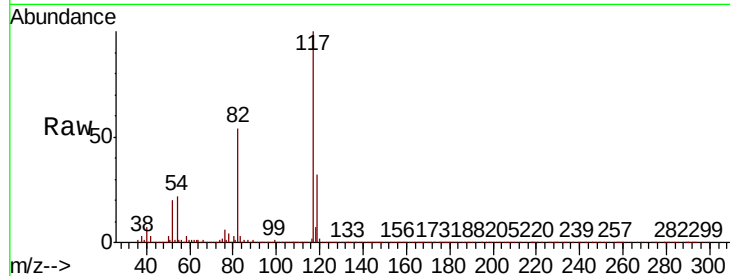




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015706.D
Acq: 16 Apr 2020 12:59

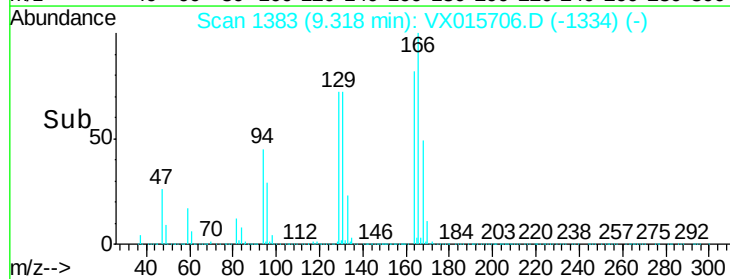
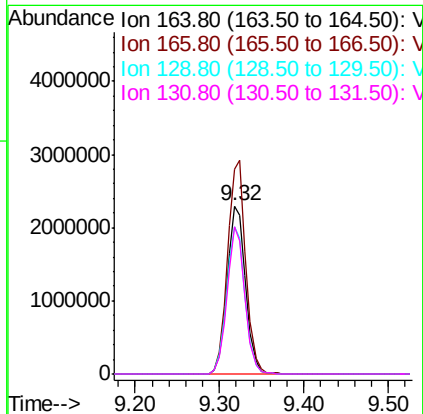
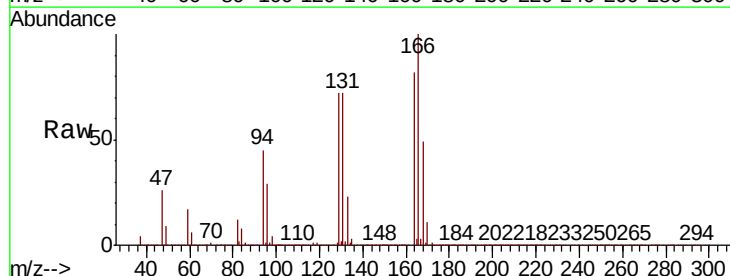
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0543-200408

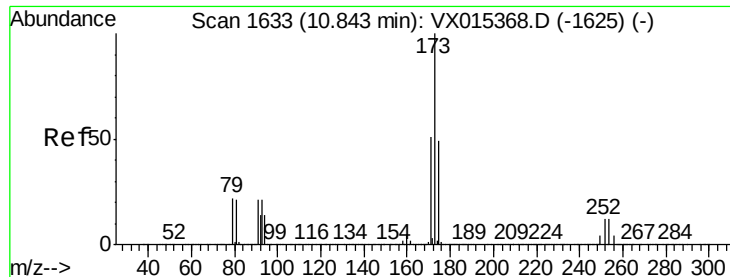
Tot Ion:117 Resp: 1544365
Ion Ratio Lower Upper
117 100
82 54.2 47.8 71.8
119 32.2 26.8 40.2



#64
Tetrachloroethene
Concen: 293.654 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015706.D
Acq: 16 Apr 2020 12:59

Tgt Ion:164 Resp: 3422519
Ion Ratio Lower Upper
164 100
166 121.7 97.8 146.6
129 87.7 73.0 109.4
131 87.8 68.6 103.0

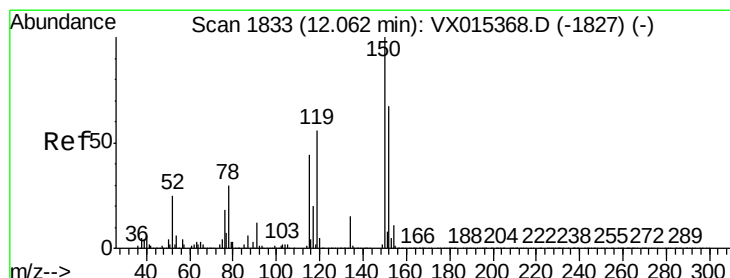
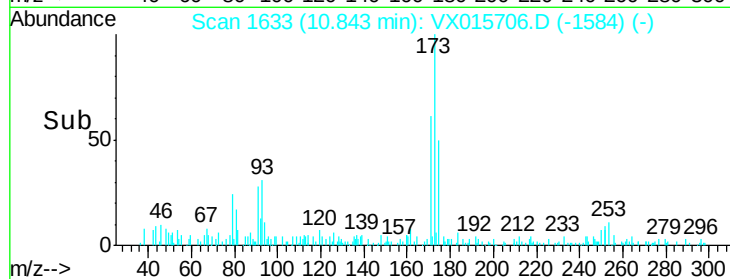
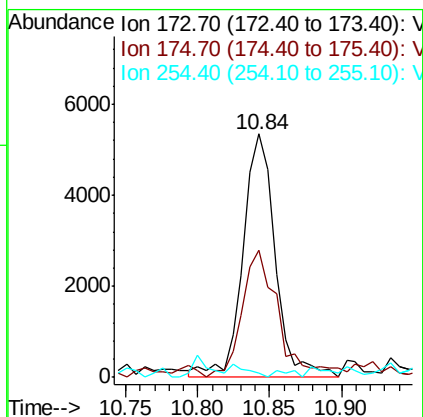
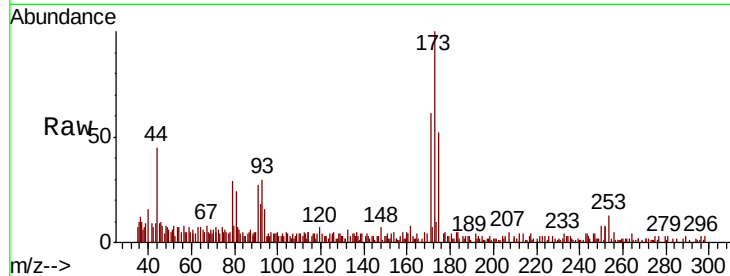




#71
Bromoform
Concen: 0.740 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VX015706.D
Acq: 16 Apr 2020 12:59

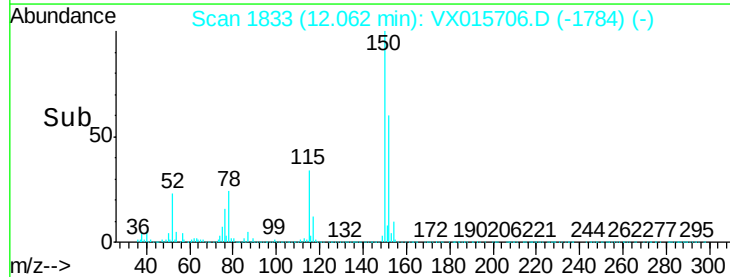
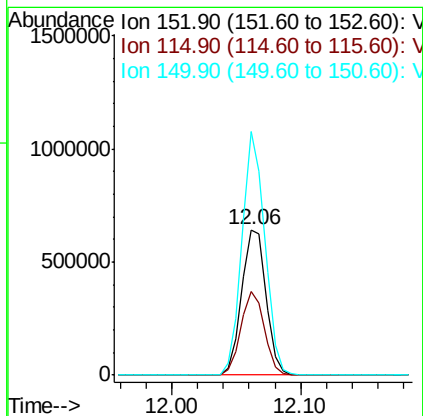
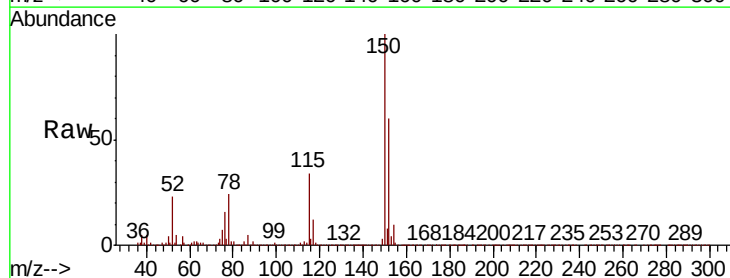
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0543-200408

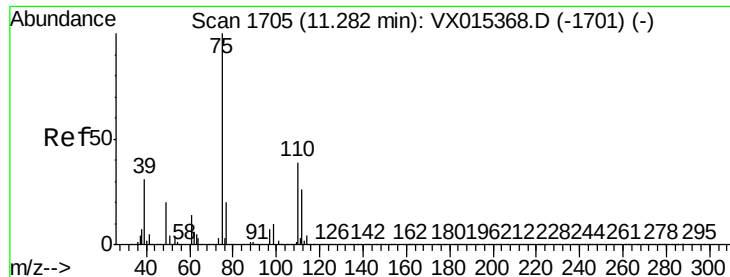
Tot Ion:173 Resp: 8293
Ion Ratio Lower Upper
173 100
175 59.2 23.9 71.7
254 1.7 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015706.D
Acq: 16 Apr 2020 12:59

Tgt Ion:152 Resp: 836908
Ion Ratio Lower Upper
152 100
115 55.7 39.0 116.9
150 157.4 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 23.357 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

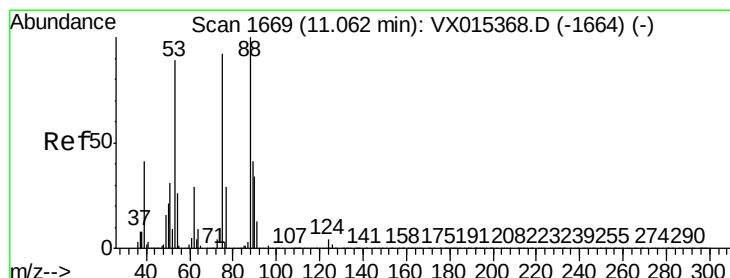
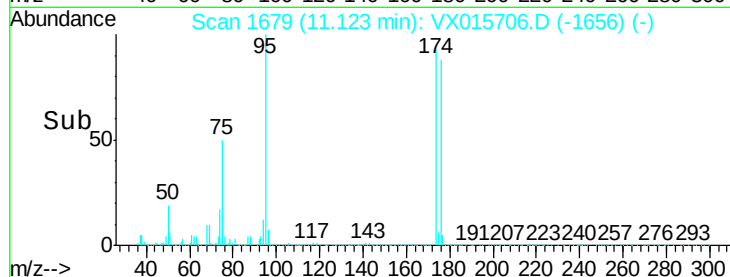
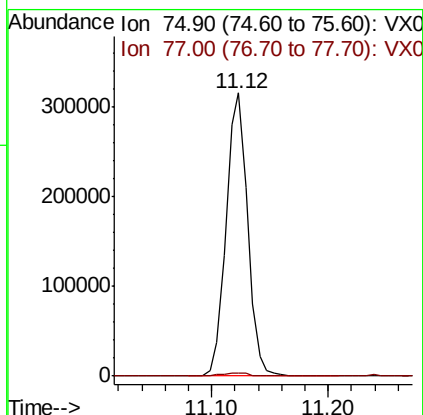
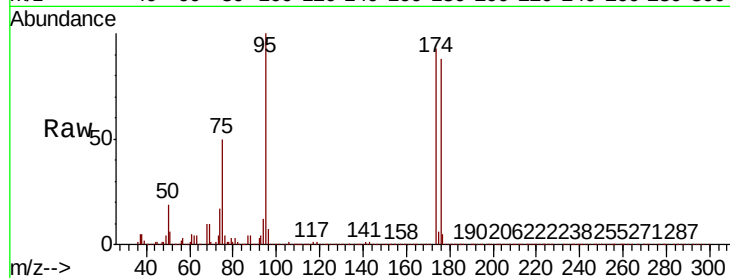
Z3-DUP-0543-200408

Tot Ion: 75 Resp: 401984

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.044 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015706.D

Acq: 16 Apr 2020 12:59

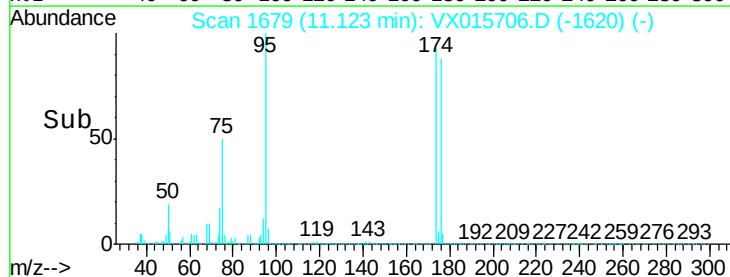
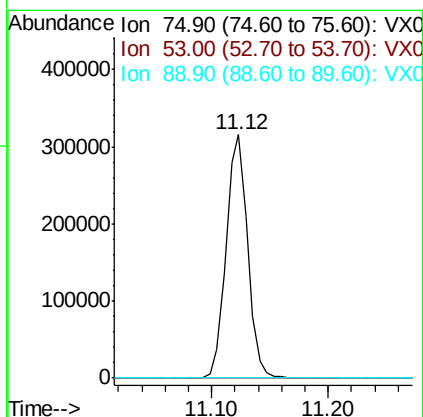
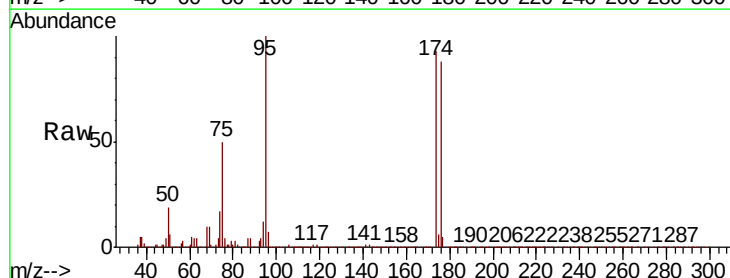
Tgt Ion: 75 Resp: 401984

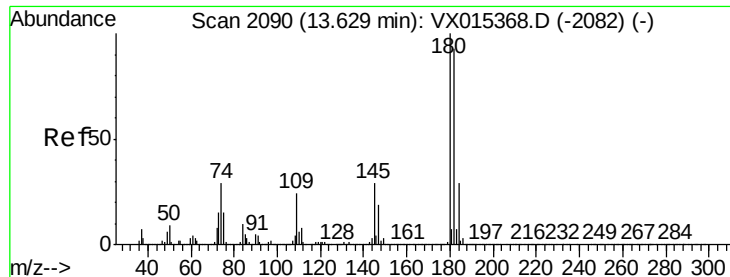
Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.1 36.1 54.1#

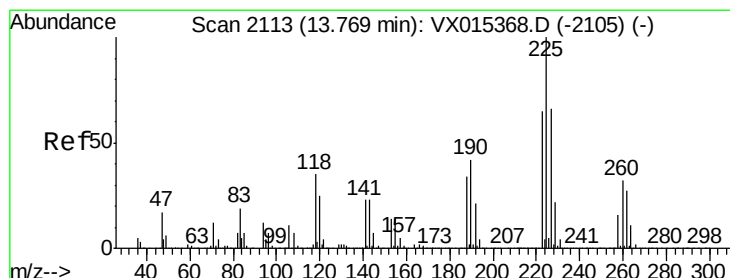
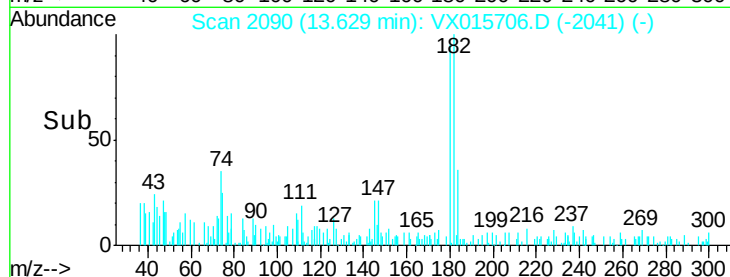
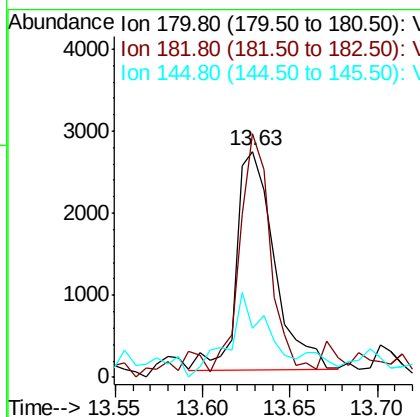
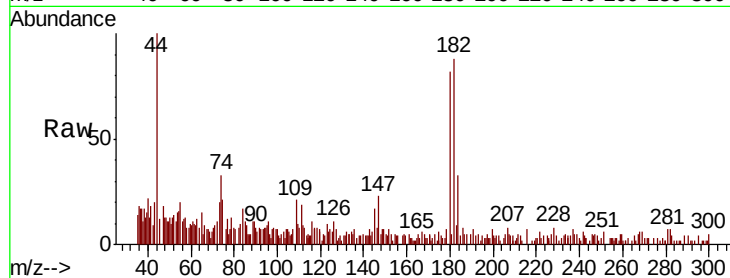




#93
 1,2,4-Trichlorobenzene
 Concen: 0.200 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. -0.00 min
 Lab File: VX015706.D
 Acq: 16 Apr 2020 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0543-200408

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.9	46.9	140.7
145	39.9	14.9	44.5



#94
 Hexachlorobutadiene
 Concen: 0.210 ug/l
 RT: 13.76 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VX015706.D
 Acq: 16 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.9	95.7
227	72.8	30.4	91.3

