

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011519.D
 Acq On : 13 Aug 2019 05:54
 Operator : JC/SP
 Sample : K4278-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0703

Quant Time: Aug 13 07:50:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	183834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274974	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109704	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	102841	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
35) Dibromofluoromethane	5.49	113	85232	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	8.71	98	321773	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.13	95	103472	42.77	ug/l	0.00
Spiked Amount			Recovery	=	85.54%	

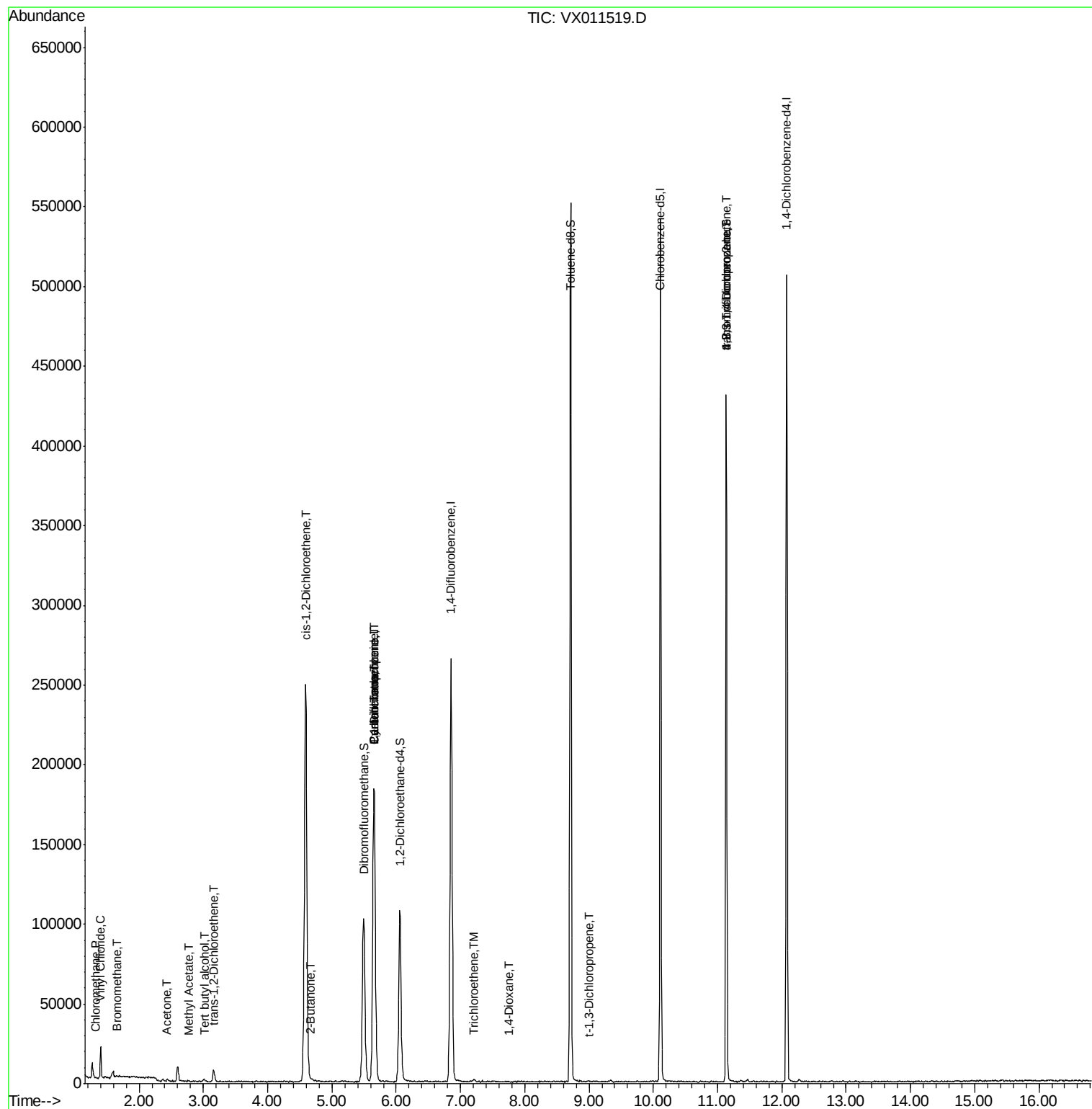
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	561	0.352	ug/l #	54
4) Vinyl Chloride	1.40	62	12976	7.399	ug/l	98
5) Bromomethane	1.65	94	387	0.309	ug/l	90
6) Chloroethane	1.70	64	250	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	860	2.352	ug/l #	87
16) Acetone	2.43	43	1734	1.968	ug/l	91
18) Methyl Acetate	2.77	43	525	0.261	ug/l #	78
21) trans-1,2-Dichloroethene	3.16	96	3130	1.769	ug/l	97
25) 2-Butanone	4.68	43	284	0.227	ug/l #	46
27) cis-1,2-Dichloroethene	4.59	96	166722	81.809	ug/l	93
31) Cyclohexane	5.66	56	3656	1.533	ug/l #	26
36) 1,1-Dichloropropene	5.65	75	12667	5.276	ug/l #	47
38) Carbon Tetrachloride	5.65	117	17469	7.232	ug/l #	15
44) Trichloroethene	7.20	130	559	0.258	ug/l	97
49) 1,4-Dioxane	7.74	88	40	0.761	ug/l #	1
53) t-1,3-Dichloropropene	9.00	75	20	2.845	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	52665	26.361	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	52665	68.544	ug/l #	10

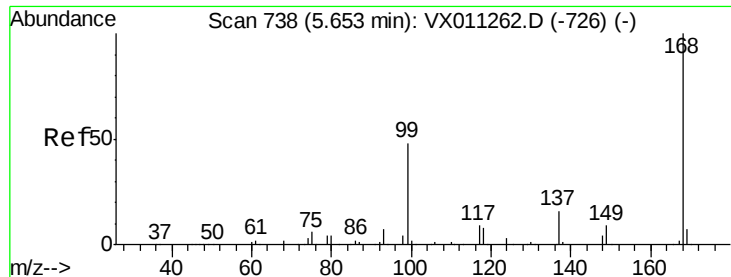
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011519.D

Acq: 13 Aug 2019 05:54

Instrument :

MSVOA_X

ClientSampleId :

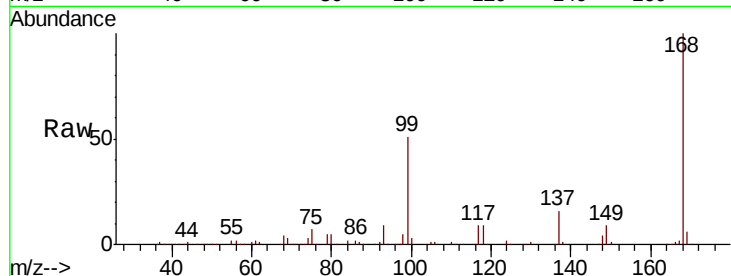
Z3-0703

Tgt Ion:168 Resp: 183834

Ion Ratio Lower Upper

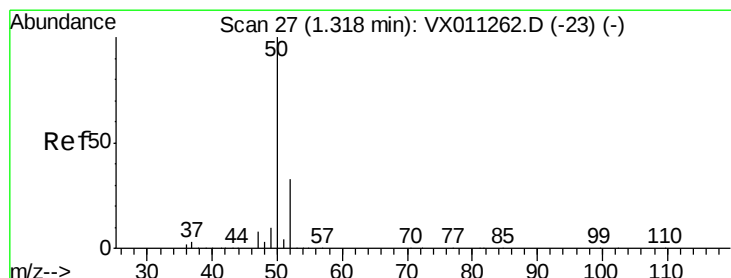
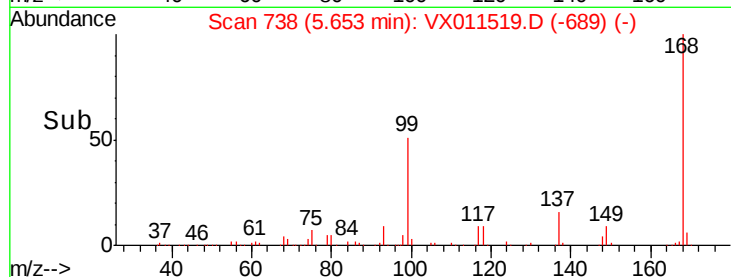
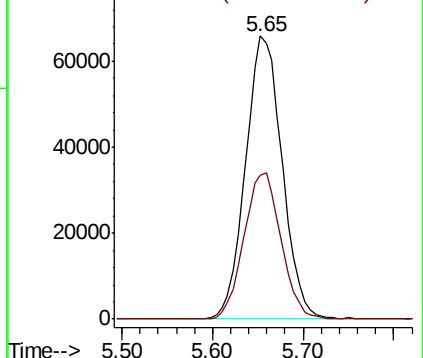
168 100

99 50.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.352 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011519.D

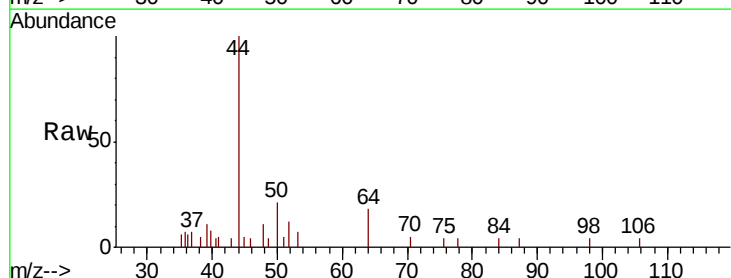
Acq: 13 Aug 2019 05:54

Tgt Ion: 50 Resp: 561

Ion Ratio Lower Upper

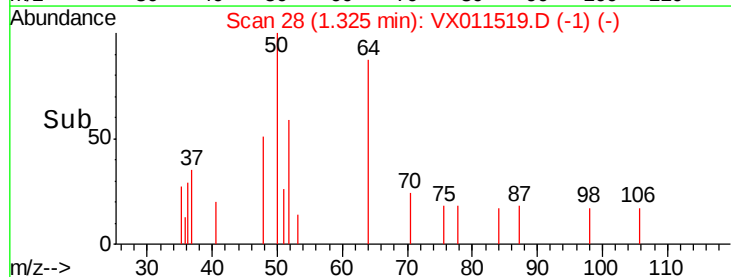
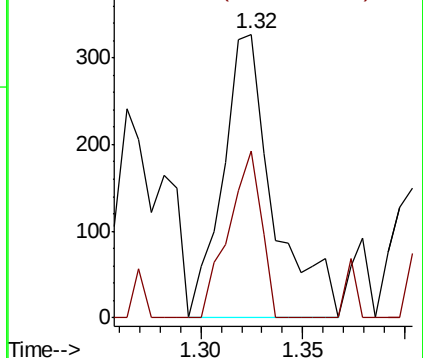
50 100

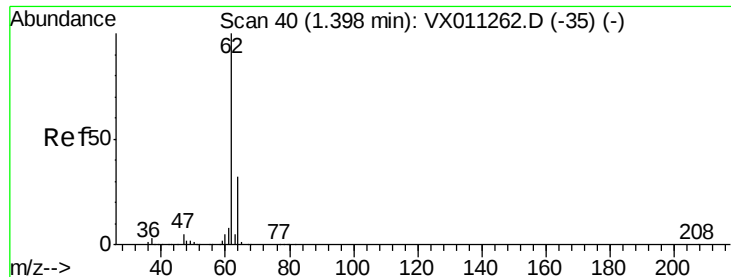
52 59.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 7.399 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011519.D

Acq: 13 Aug 2019 05:54

Instrument :

MSVOA_X

ClientSampleId :

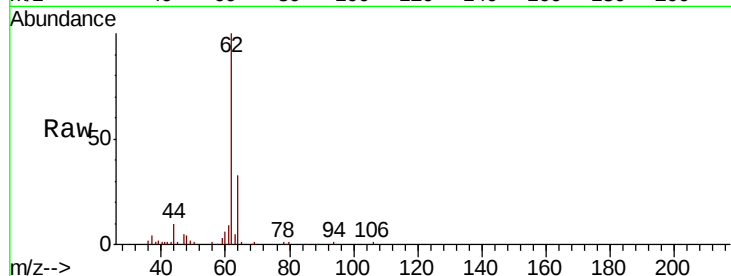
Z3-0703

Tgt Ion: 62 Resp: 12976

Ion Ratio Lower Upper

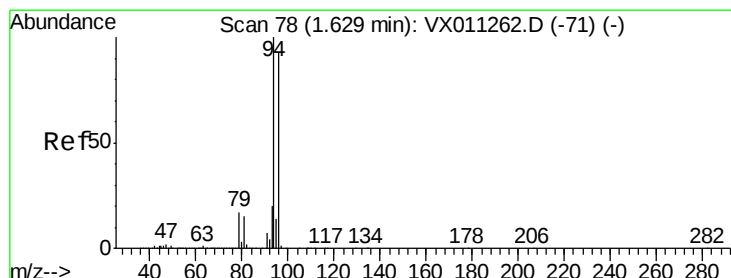
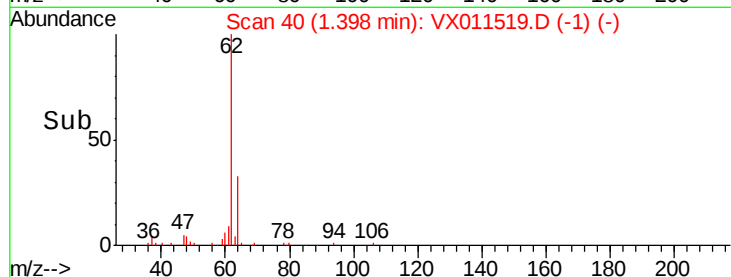
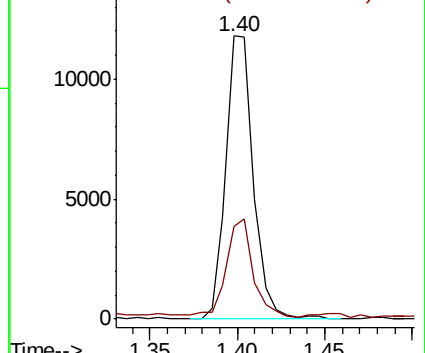
62 100

64 31.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.309 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011519.D

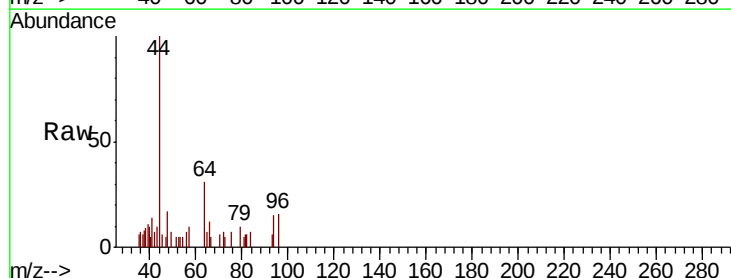
Acq: 13 Aug 2019 05:54

Tgt Ion: 94 Resp: 387

Ion Ratio Lower Upper

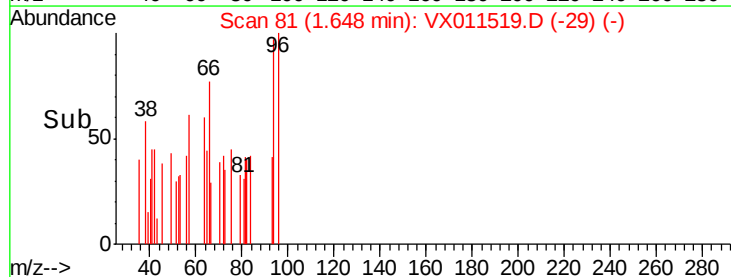
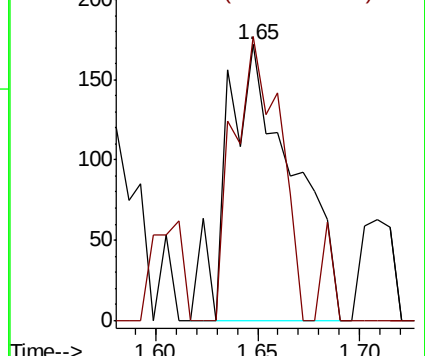
94 100

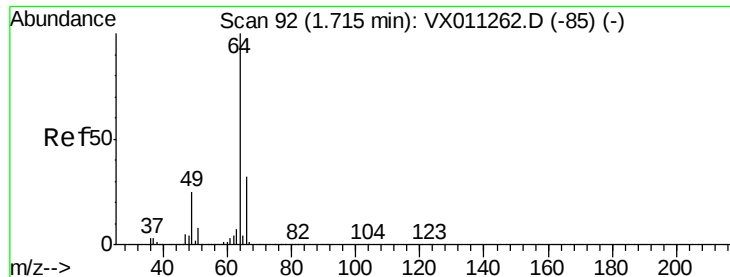
96 102.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011519.D

Acq: 13 Aug 2019 05:54

Instrument :

MSVOA_X

ClientSampleId :

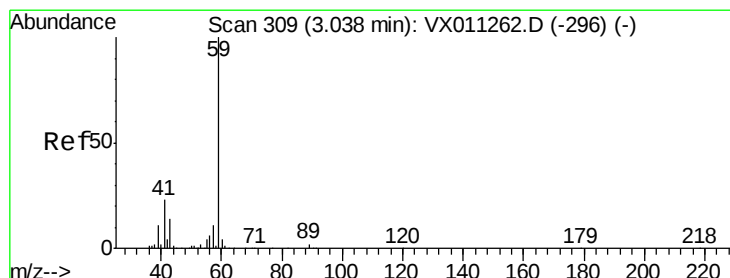
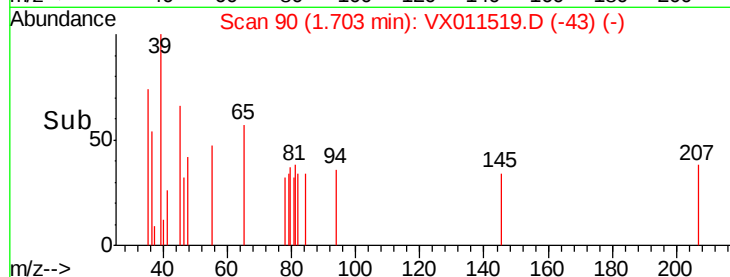
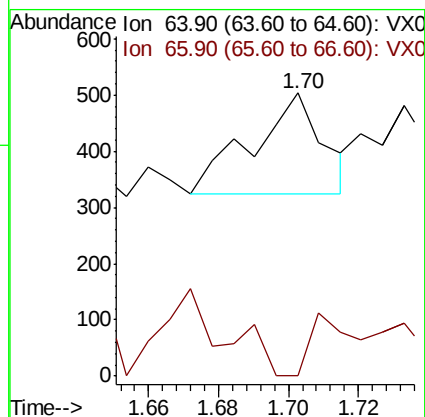
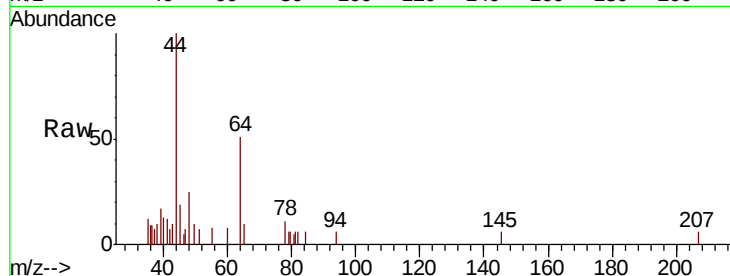
Z3-0703

Tgt Ion: 64 Resp: 250

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 2.352 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.02 min

Lab File: VX011519.D

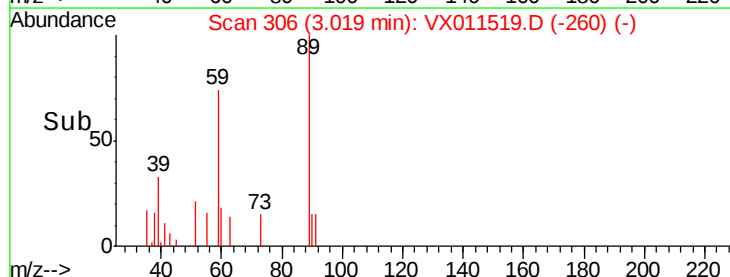
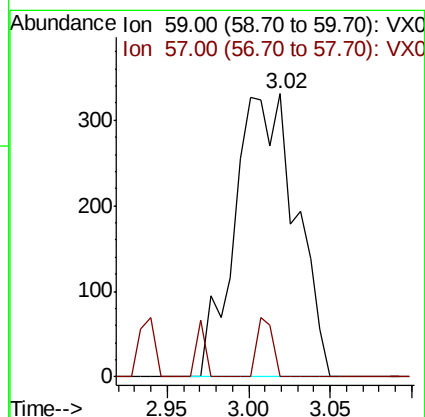
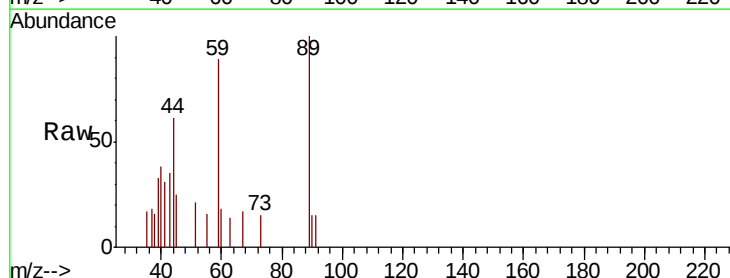
Acq: 13 Aug 2019 05:54

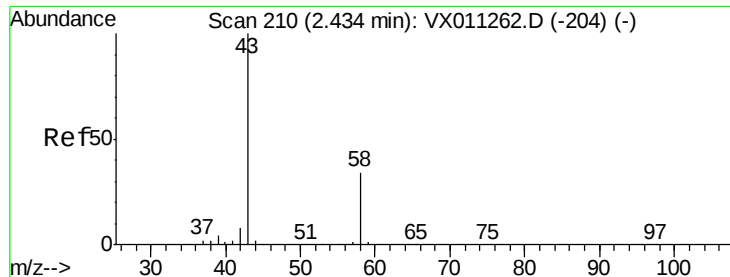
Tgt Ion: 59 Resp: 860

Ion Ratio Lower Upper

59 100

57 5.5 8.3 12.5#





#16

Acetone

Concen: 1.968 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011519.D

Acq: 13 Aug 2019 05:54

Instrument :

MSVOA_X

ClientSampled :

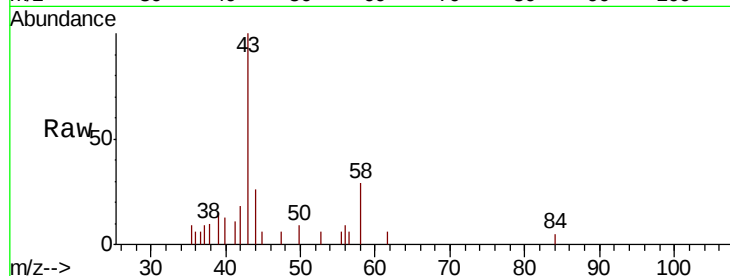
Z3-0703

Tgt Ion: 43 Resp: 1734

Ion Ratio Lower Upper

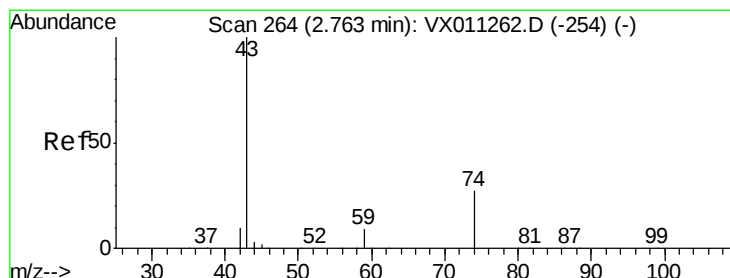
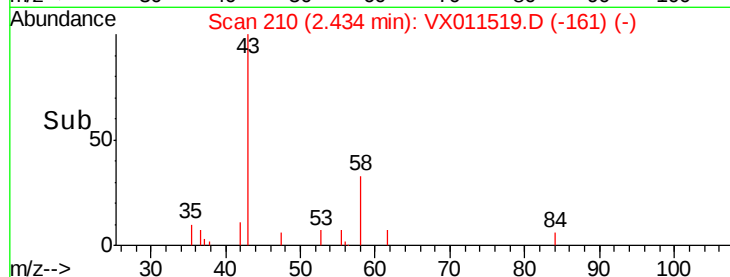
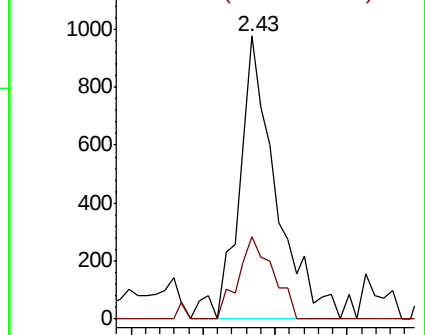
43 100

58 29.2 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.261 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011519.D

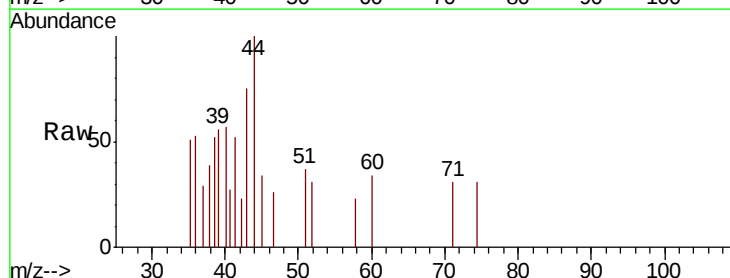
Acq: 13 Aug 2019 05:54

Tgt Ion: 43 Resp: 525

Ion Ratio Lower Upper

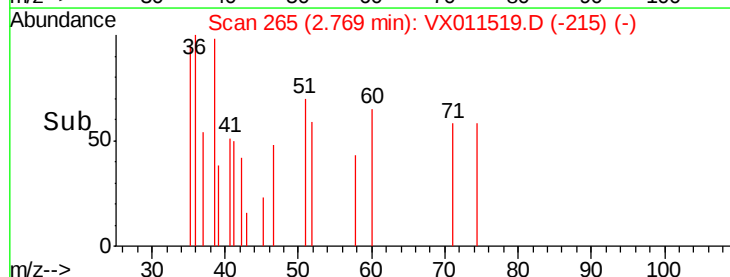
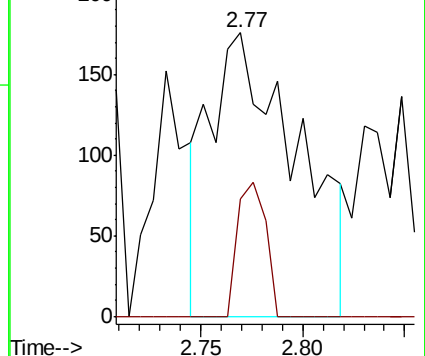
43 100

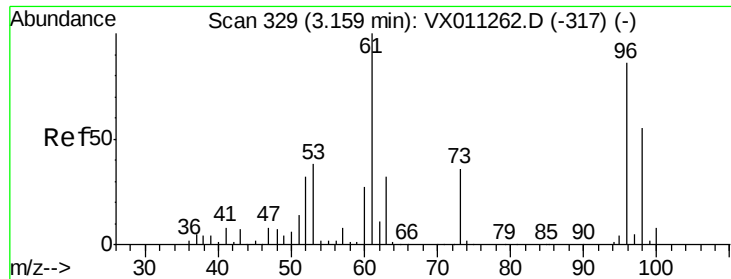
74 15.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 1.769 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011519.D

Acq: 13 Aug 2019 05:54

Instrument :

MSVOA_X

ClientSampleId :

Z3-0703

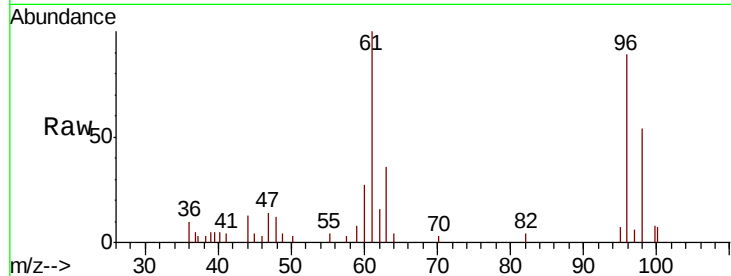
Tgt Ion: 96 Resp: 3130

Ion Ratio Lower Upper

96 100

61 112.9 92.8 139.2

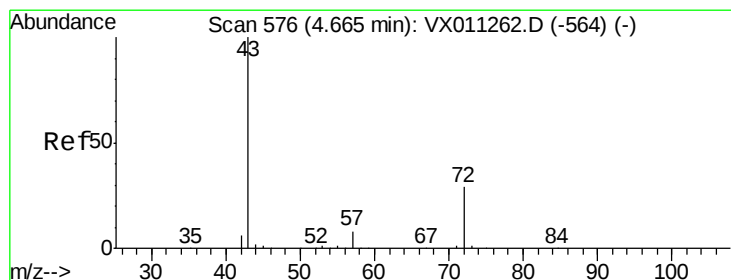
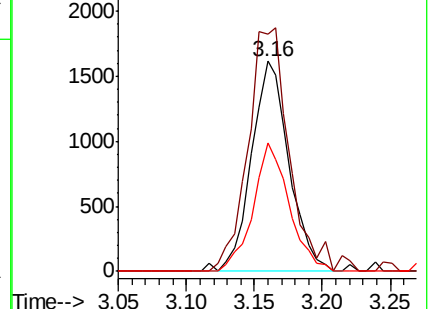
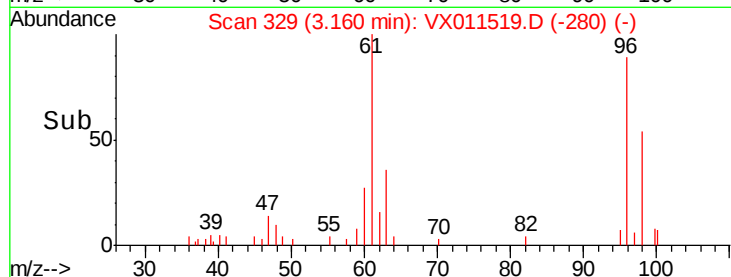
98 61.2 51.2 76.8



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: 0.227 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011519.D

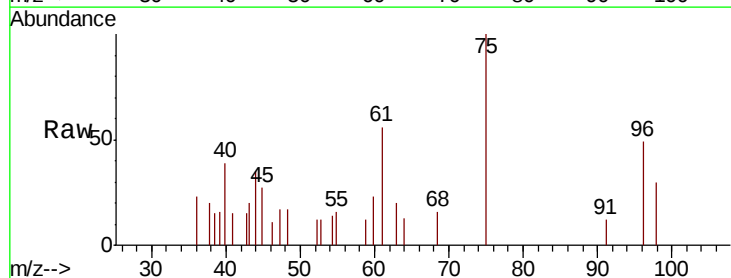
Acq: 13 Aug 2019 05:54

Tgt Ion: 43 Resp: 284

Ion Ratio Lower Upper

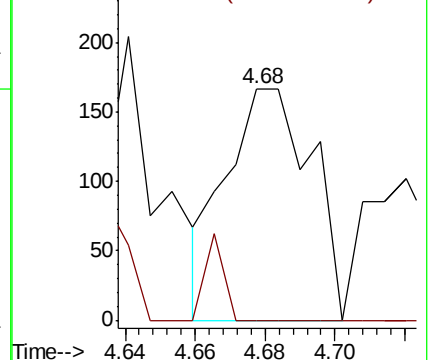
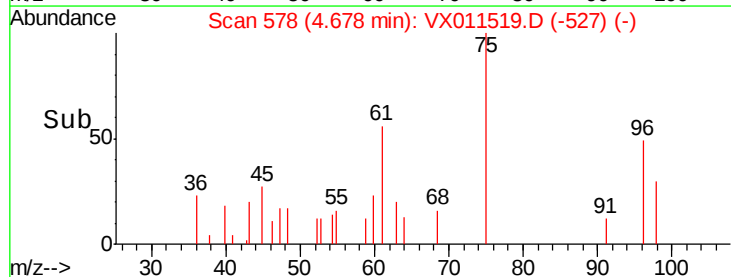
43 100

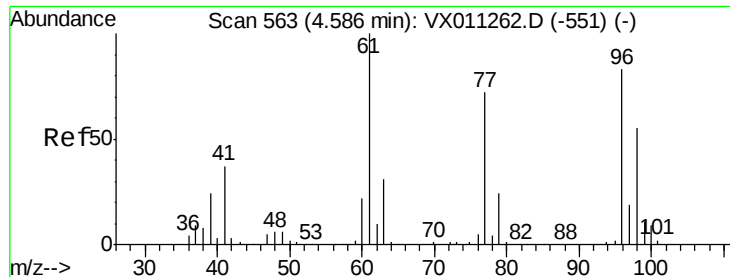
72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



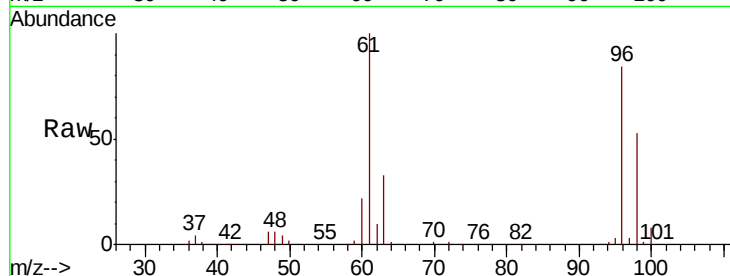


#27

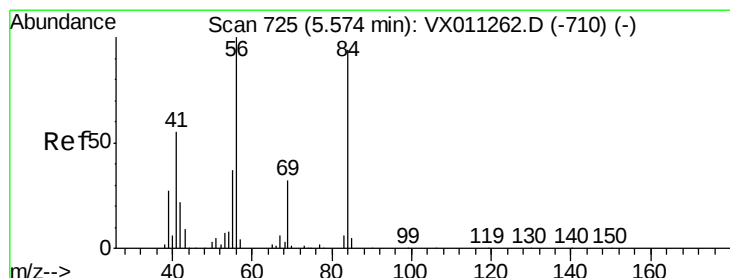
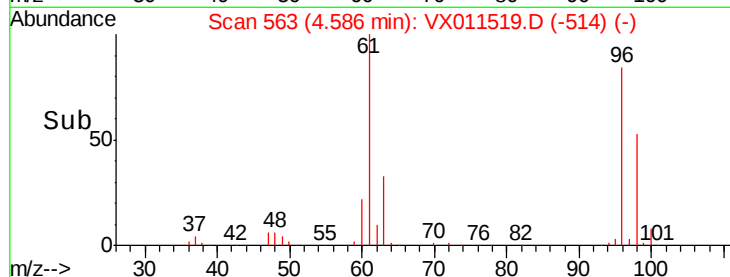
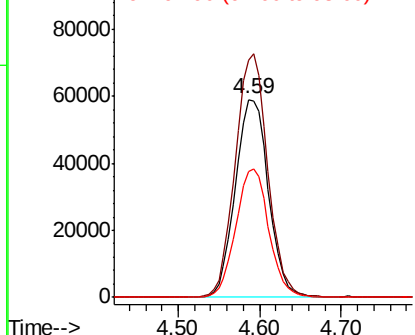
cis-1,2-Dichloroethene
 Concen: 81.809 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011519.D
 Acq: 13 Aug 2019 05:54

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0703

Tgt Ion: 96 Resp: 166722
 Ion Ratio Lower Upper
 96 100
 61 120.0 0.0 260.2
 98 64.6 0.0 133.2



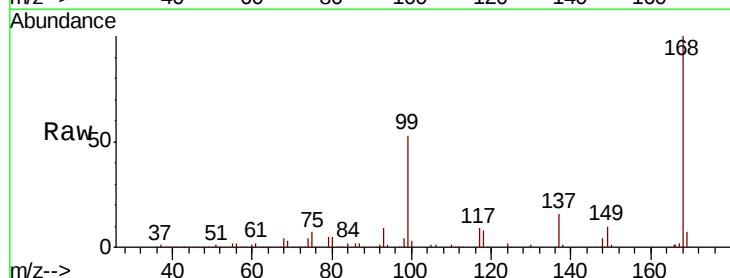
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



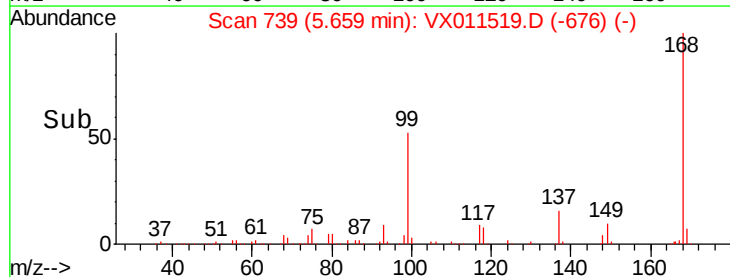
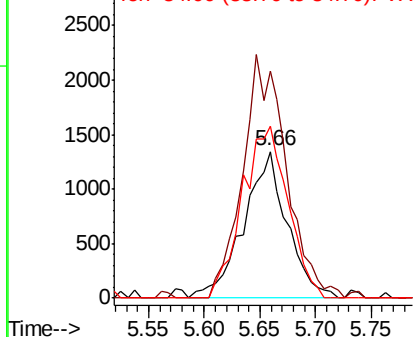
#31

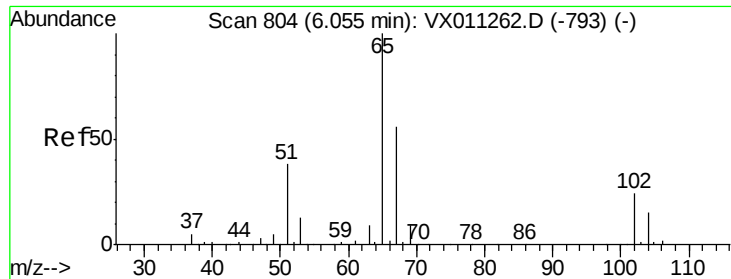
Cyclohexane
 Concen: 1.533 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.09 min
 Lab File: VX011519.D
 Acq: 13 Aug 2019 05:54

Tgt Ion: 56 Resp: 3656
 Ion Ratio Lower Upper
 56 100
 69 154.7 25.5 38.3#
 84 117.0 75.0 112.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 84.00 (83.70 to 84.70): VX0

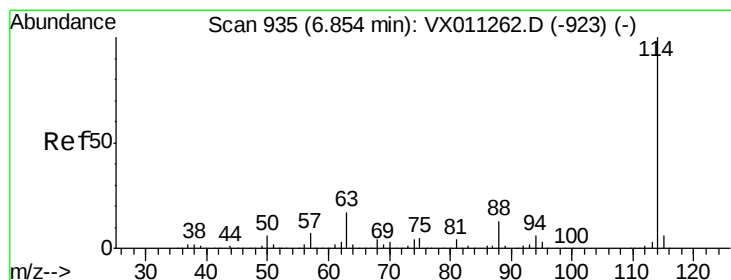
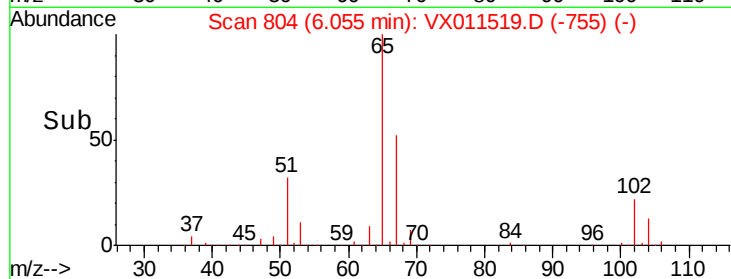
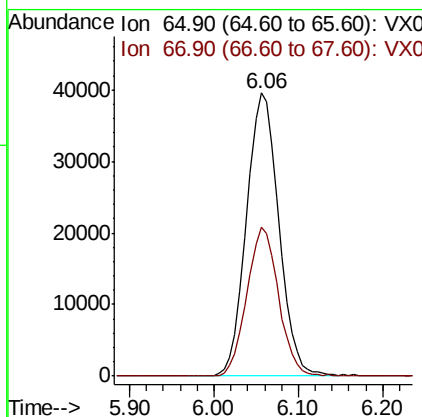
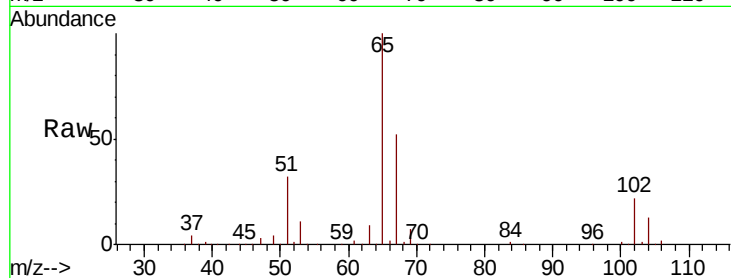




#33
 1,2-Dichloroethane-d4
 Concen: 55.550 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011519.D
 Acq: 13 Aug 2019 05:54

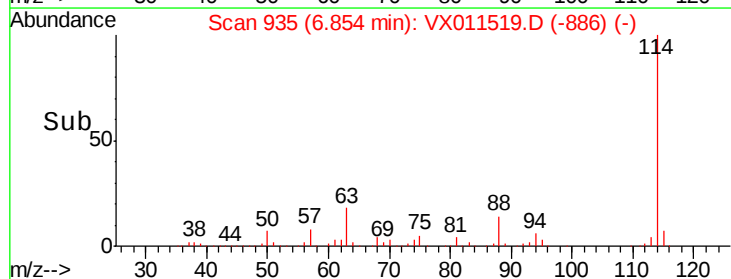
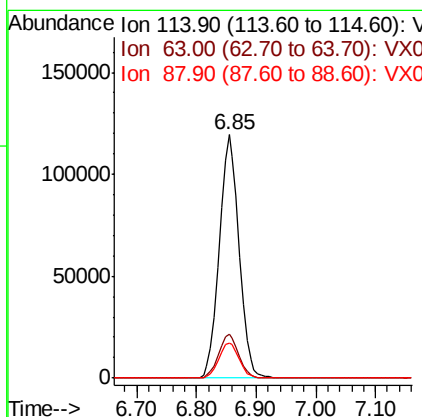
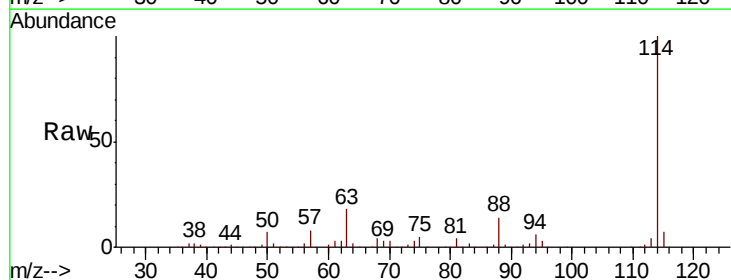
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0703

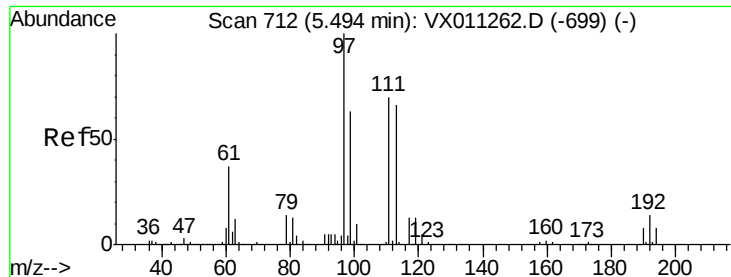
Tgt Ion: 65 Resp: 102841
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011519.D
 Acq: 13 Aug 2019 05:54

Tgt Ion: 114 Resp: 274974
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.0
 88 14.4 0.0 26.4

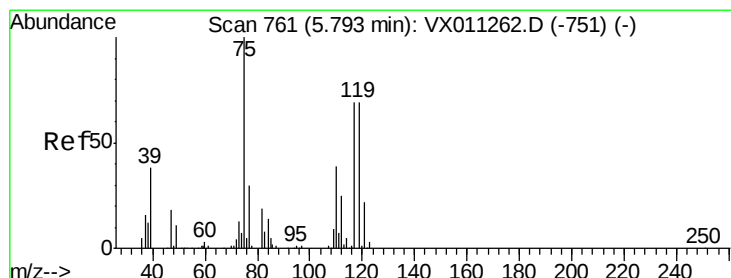
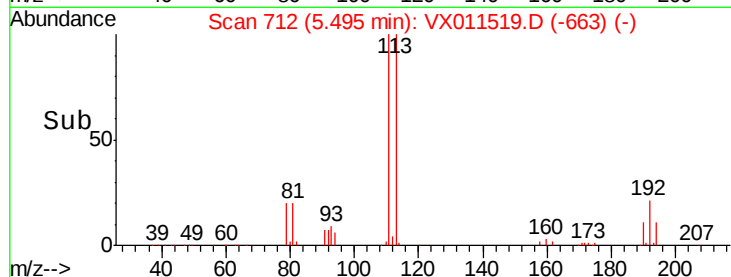
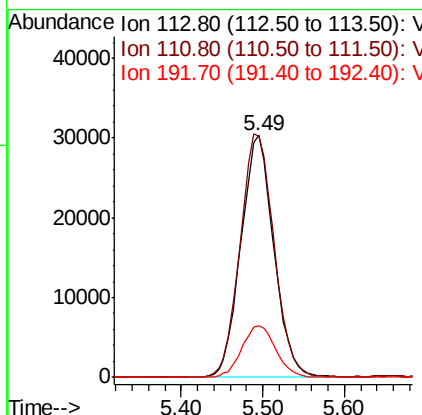
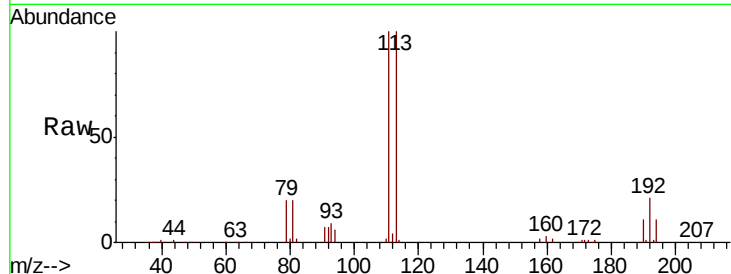




#35
 Dibromofluoromethane
 Concen: 47.477 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011519.D
 Acq: 13 Aug 2019 05:54

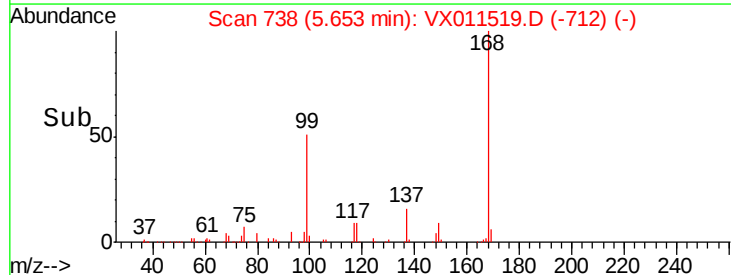
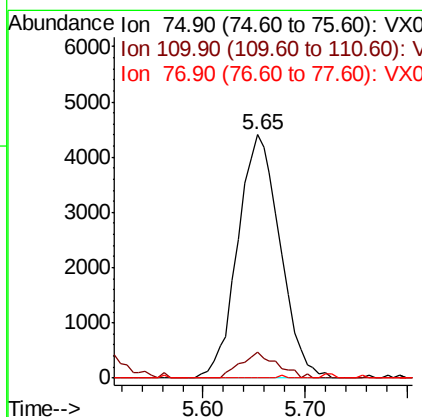
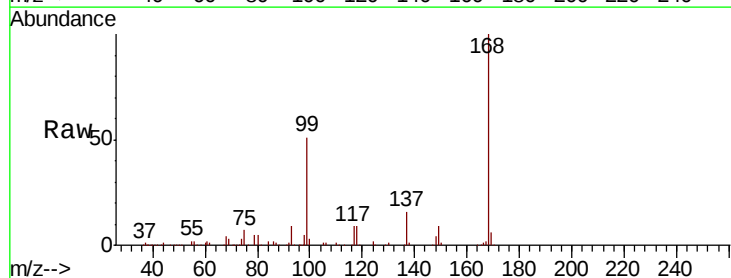
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0703

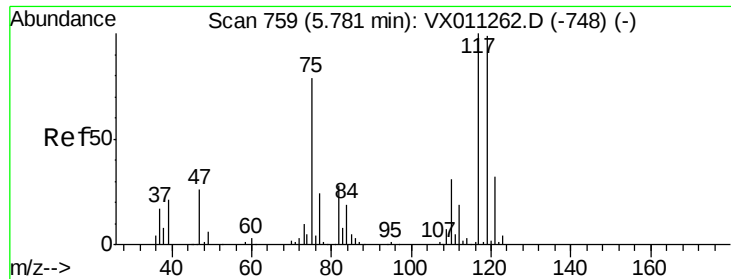
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	22.1	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 5.276 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011519.D
 Acq: 13 Aug 2019 05:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	20.0	59.9#
77	0.0	24.8	37.2#

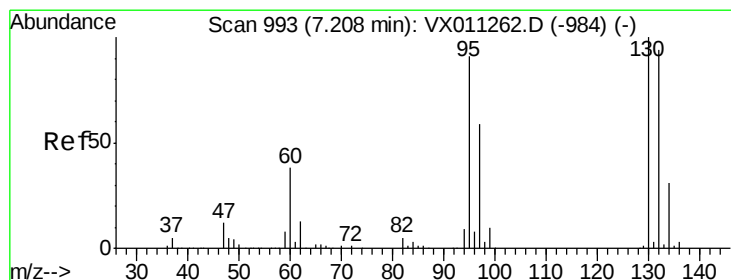
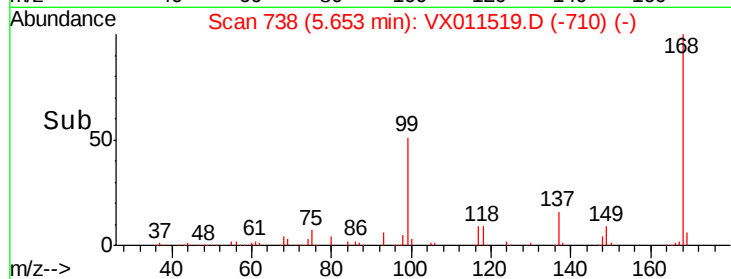
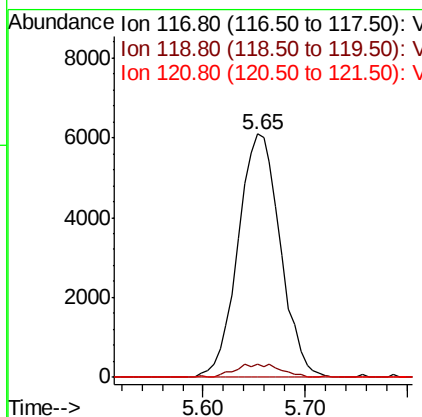
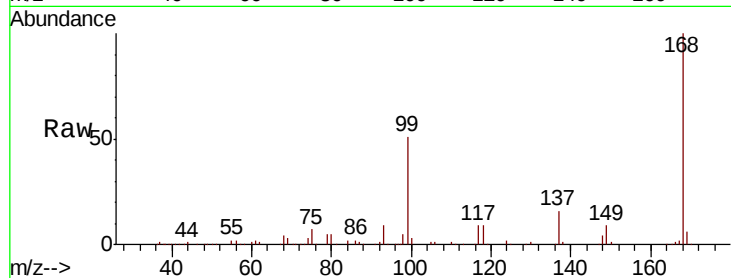




#38
Carbon Tetrachloride
Concen: 7.232 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011519.D
Acq: 13 Aug 2019 05:54

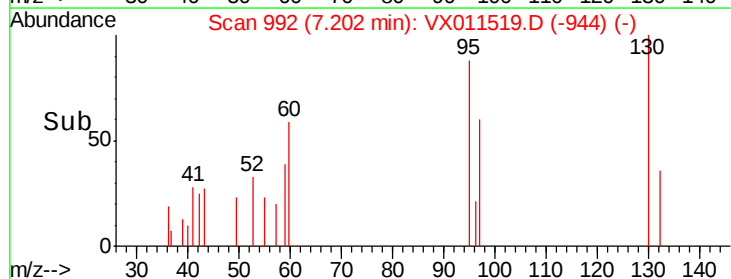
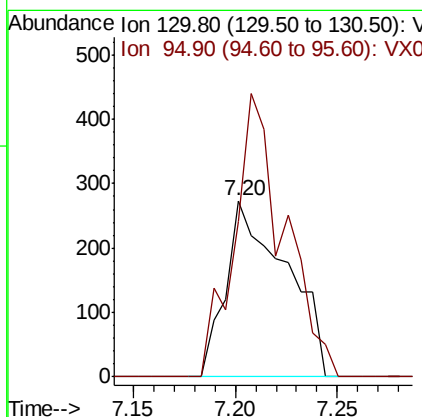
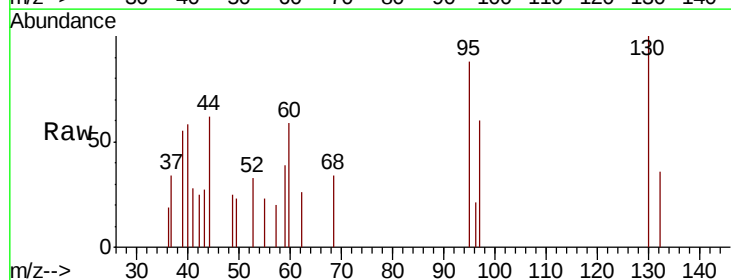
Instrument :
MSVOA_X
ClientSampled :
Z3-0703

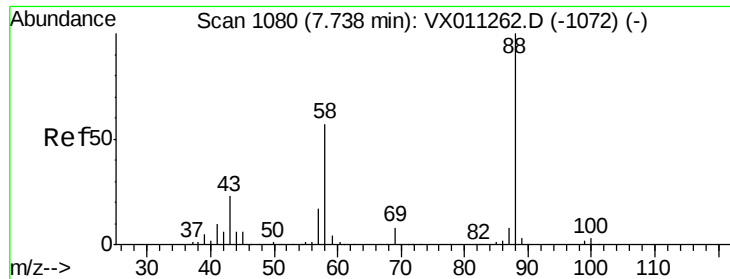
Tgt Ion:117 Resp: 17469
Ion Ratio Lower Upper
117 100
119 5.3 79.0 118.4#
121 0.0 25.9 38.9#



#44
Trichloroethene
Concen: 0.258 ug/l
RT: 7.20 min Scan# 992
Delta R.T. -0.01 min
Lab File: VX011519.D
Acq: 13 Aug 2019 05:54

Tgt Ion:130 Resp: 559
Ion Ratio Lower Upper
130 100
95 88.3 0.0 182.6

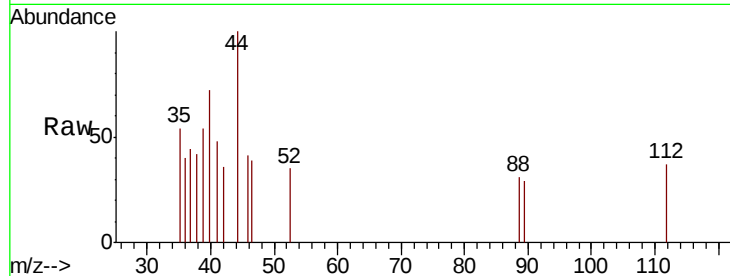




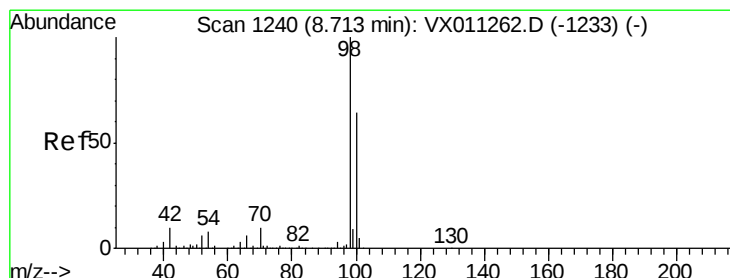
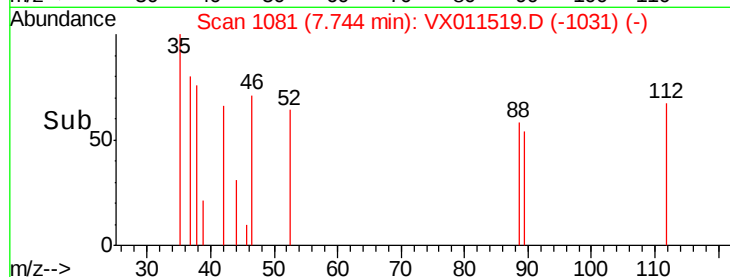
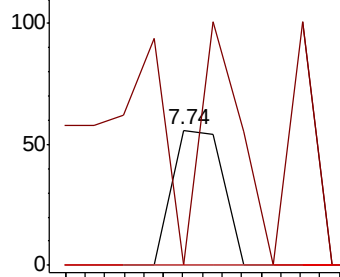
#49
1,4-Dioxane
Concen: 0.761 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011519.D
Acq: 13 Aug 2019 05:54

Instrument :
MSVOA_X
ClientSampled :
Z3-0703

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 142.5 22.2 33.2#
58 0.0 47.8 71.8#

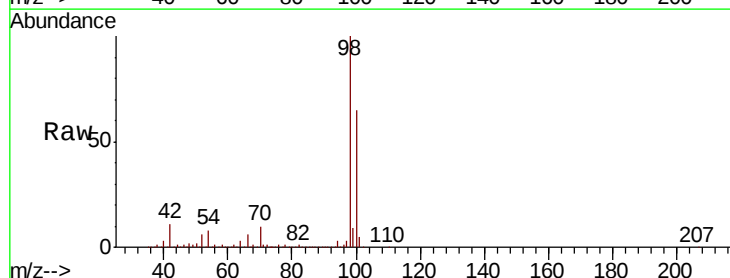


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

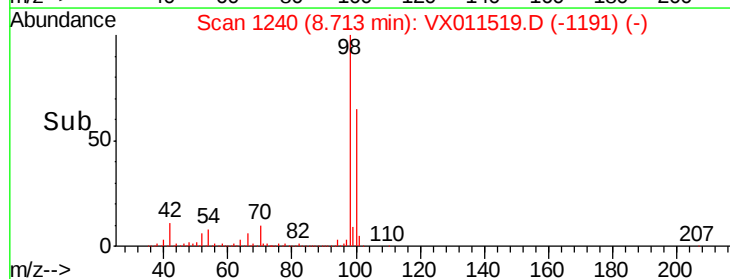
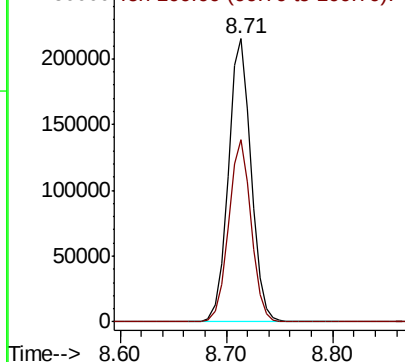


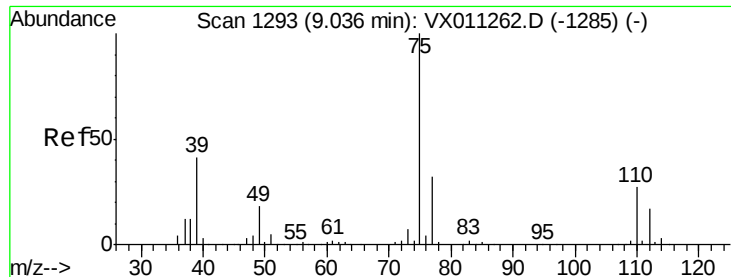
#50
Toluene-d8
Concen: 47.484 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011519.D
Acq: 13 Aug 2019 05:54

Tgt Ion: 98 Resp: 321773
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

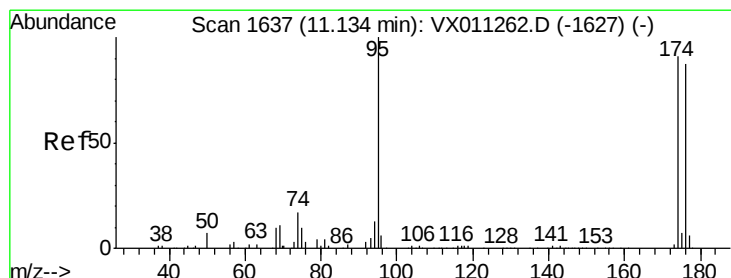
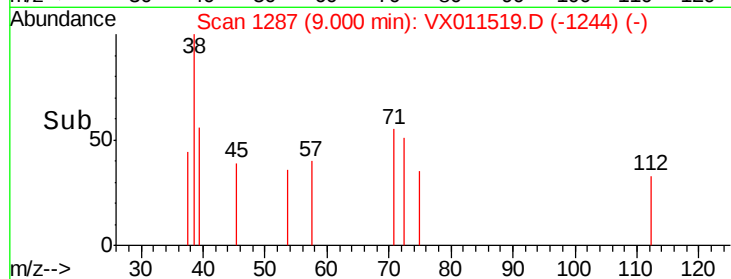
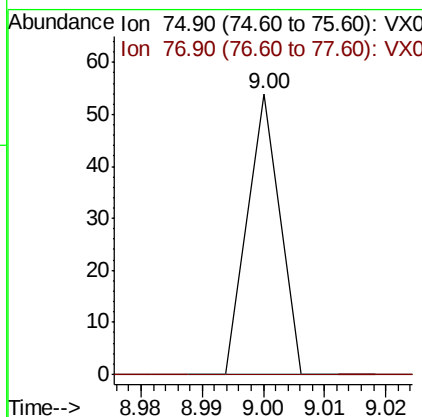
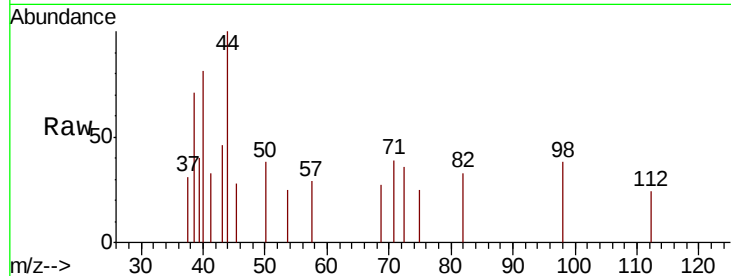




#53
t-1,3-Dichloropropene
Concen: 2.845 ug/l
RT: 9.00 min Scan# 1287
Delta R.T. -0.04 min
Lab File: VX011519.D
Acq: 13 Aug 2019 05:54

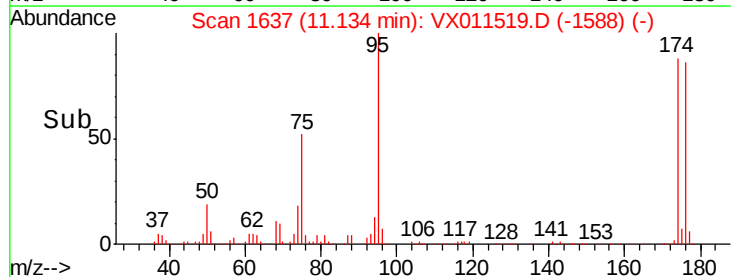
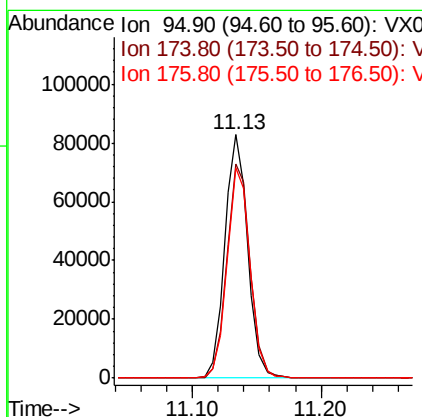
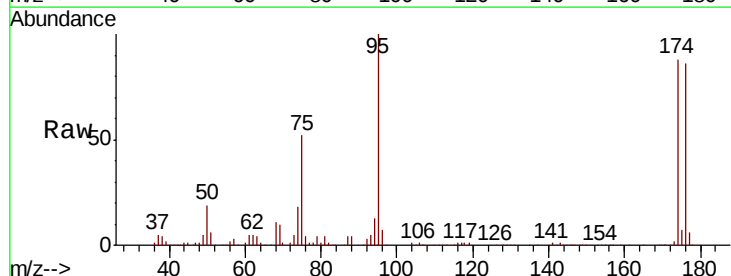
Instrument :
MSVOA_X
ClientSampleId :
Z3-0703

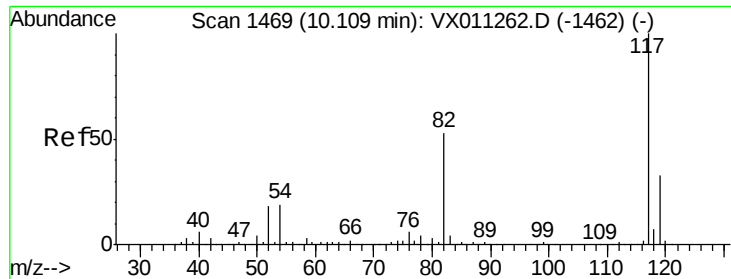
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 42.768 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011519.D
Acq: 13 Aug 2019 05:54

Tgt Ion: 95 Resp: 103472
Ion Ratio Lower Upper
95 100
174 89.9 0.0 191.2
176 87.2 0.0 184.8

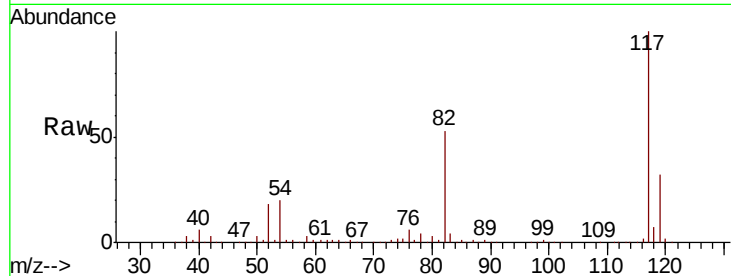




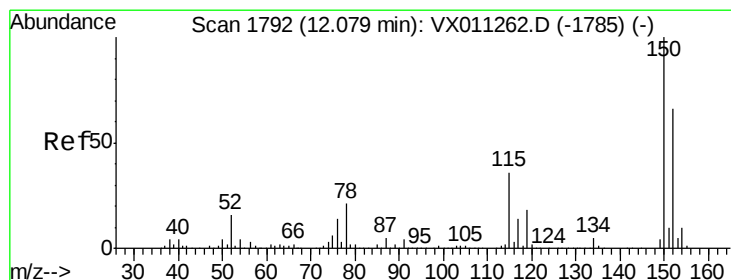
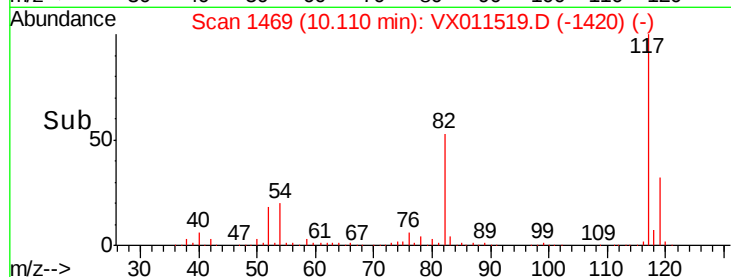
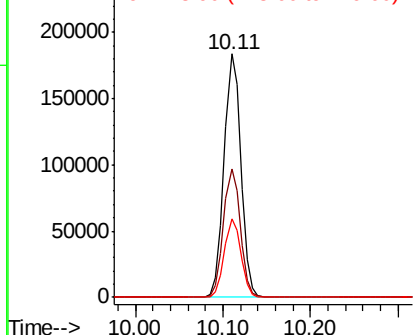
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011519.D
Acq: 13 Aug 2019 05:54

Instrument :
MSVOA_X
ClientSampleId :
Z3-0703

Tgt Ion:117 Resp: 244149
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 32.1 26.6 39.8

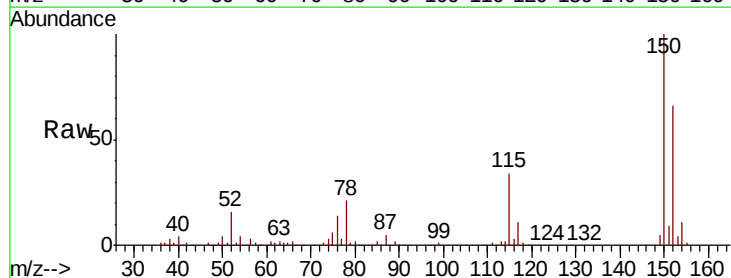


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

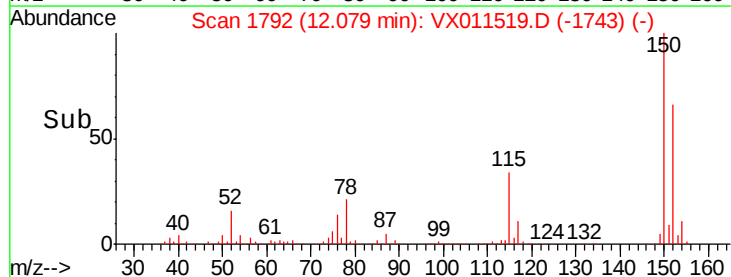
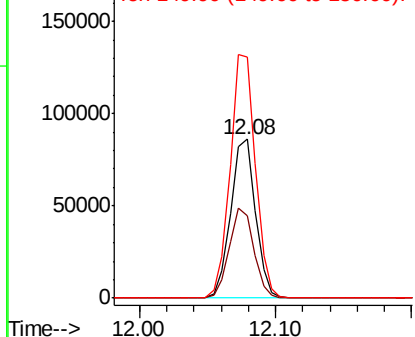


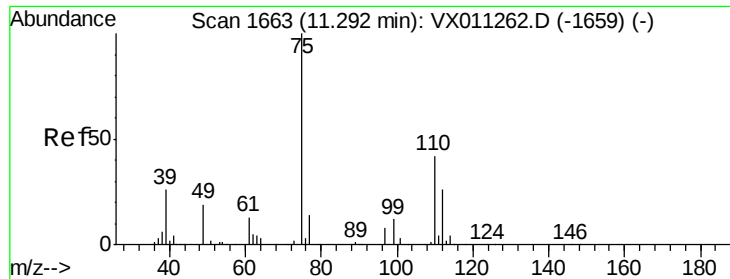
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011519.D
Acq: 13 Aug 2019 05:54

Tgt Ion:152 Resp: 109704
Ion Ratio Lower Upper
152 100
115 55.9 40.0 119.9
150 155.0 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

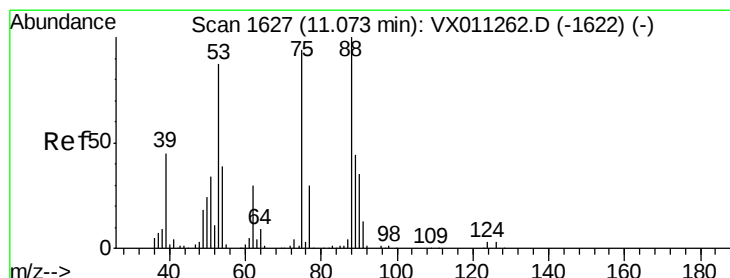
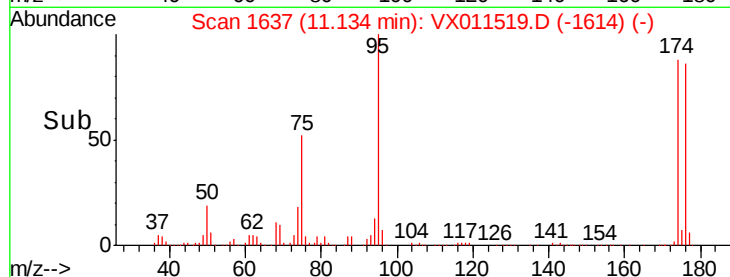
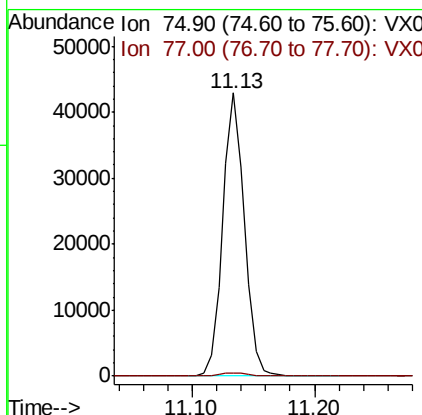
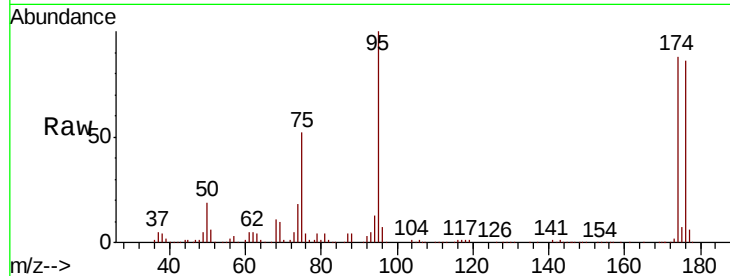




#76
 1,2,3-Trichloropropane
 Concen: 26.361 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011519.D
 Acq: 13 Aug 2019 05:54

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0703

Tgt Ion: 75 Resp: 52665
 Ion Ratio Lower Upper
 75 100
 77 1.6 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.544 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011519.D
 Acq: 13 Aug 2019 05:54

Tgt Ion: 75 Resp: 52665
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.2 117.4#
 89 0.0 37.9 56.9#

