

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011489.D
 Acq On : 12 Aug 2019 17:26
 Operator : JC/SP
 Sample : K4278-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693

Quant Time: Aug 13 07:40:51 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	5.66	168	179400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108740	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	99969	55.33	ug/l	0.00
Spiked Amount						
			Recovery	=	110.66%	
35) Dibromofluoromethane	5.49	113	83938	47.76	ug/l	0.00
Spiked Amount						
			Recovery	=	95.52%	
50) Toluene-d8	8.71	98	318779	48.05	ug/l	0.00
Spiked Amount						
			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.13	95	102073	43.09	ug/l	0.00
Spiked Amount						
			Recovery	=	86.18%	

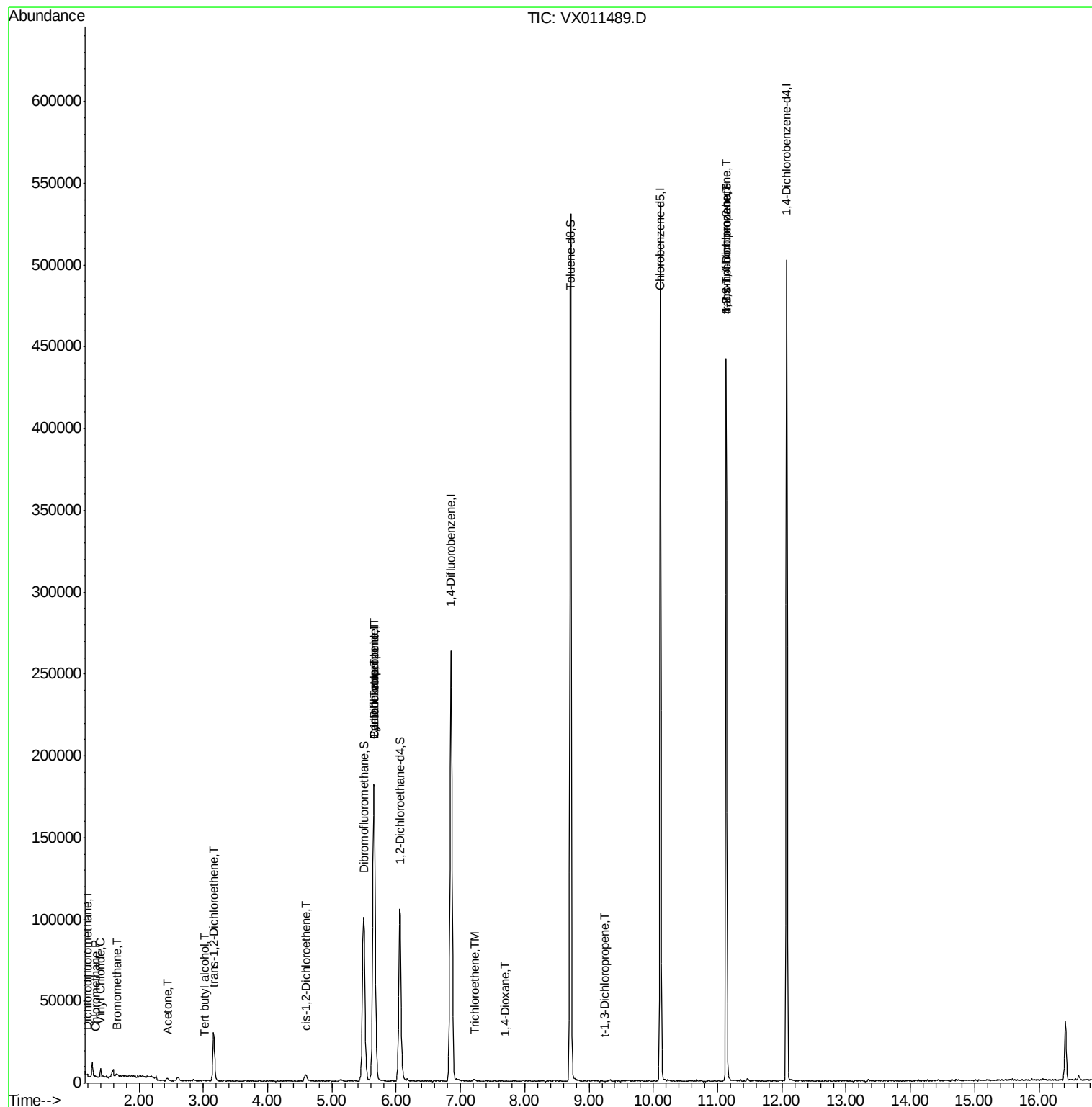
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	595	0.429	ug/l	91
3) Chloromethane	1.32	50	684	0.440	ug/l #	83
4) Vinyl Chloride	1.40	62	3148	1.839	ug/l	89
5) Bromomethane	1.66	94	323	0.265	ug/l #	62
6) Chloroethane	1.69	64	137	Below Cal	#	83
11) Tert butyl alcohol	3.01	59	440	1.244	ug/l #	79
13) Acrolein	2.31	56	26	Below Cal	#	15
16) Acetone	2.44	43	1280	1.488	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	12374	7.167	ug/l	87
27) cis-1,2-Dichloroethene	4.60	96	2775	1.395	ug/l #	60
31) Cyclohexane	5.65	56	3910	1.681	ug/l #	46
36) 1,1-Dichloropropene	5.65	75	12084	5.141	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17037	7.205	ug/l #	15
44) Trichloroethene	7.21	130	519	0.244	ug/l	94
49) 1,4-Dioxane	7.70	88	25	0.486	ug/l #	1
53) t-1,3-Dichloropropene	9.24	75	20	2.846	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	53387	26.959	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	53387	69.997	ug/l #	10

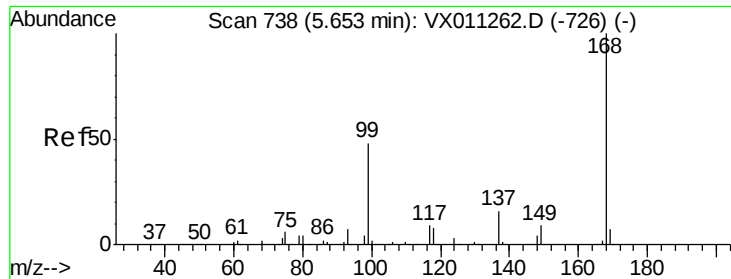
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011489.D

Acq: 12 Aug 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

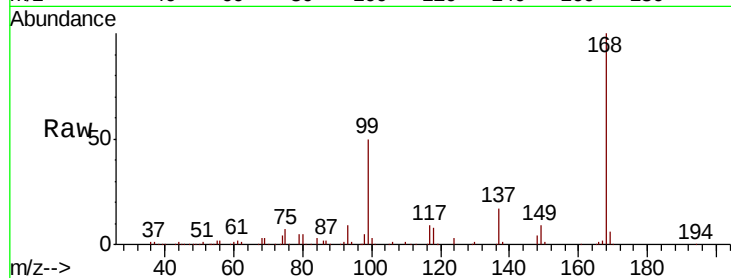
Z3-0693

Tgt Ion:168 Resp: 179400

Ion Ratio Lower Upper

168 100

99 50.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): VX011262.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX011262.D (-726) (-)

5.66

60000

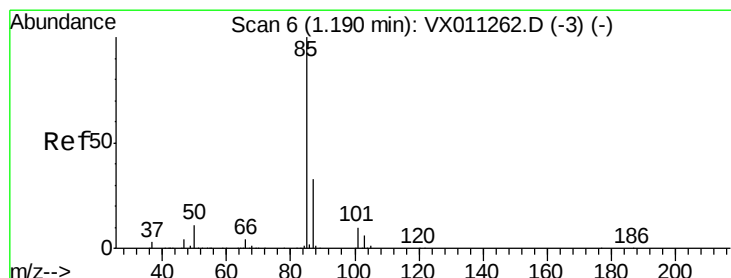
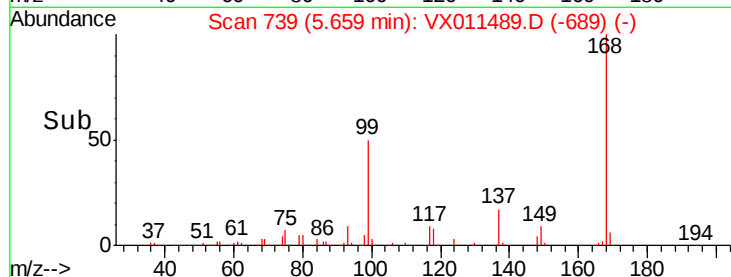
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.429 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011489.D

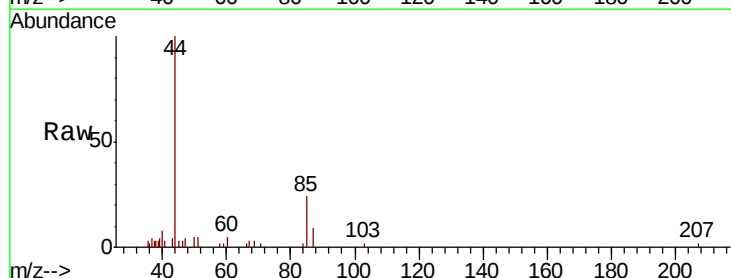
Acq: 12 Aug 2019 17:26

Tgt Ion: 85 Resp: 595

Ion Ratio Lower Upper

85 100

87 37.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX011262.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX011262.D (-3) (-)

1.19

600

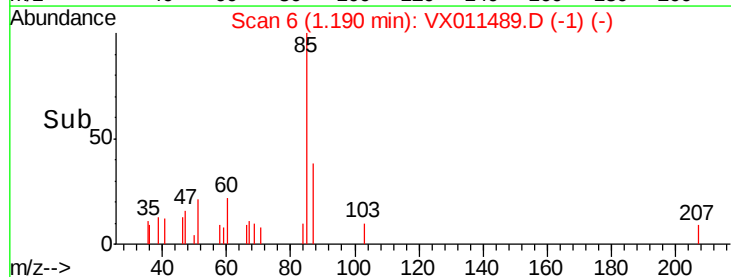
400

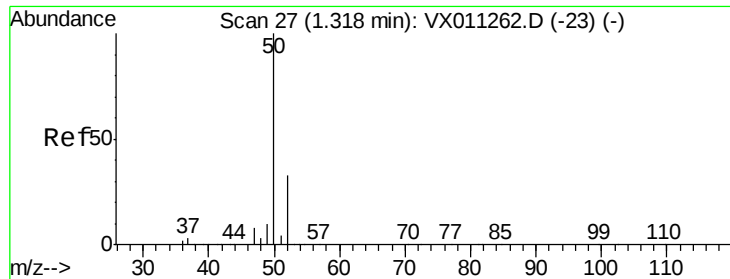
200

0

Time-->

1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.440 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011489.D

Acq: 12 Aug 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

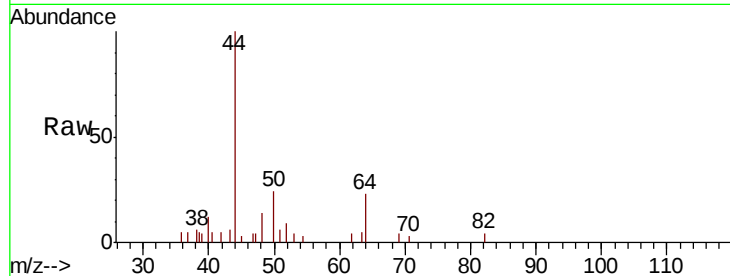
Z3-0693

Tgt Ion: 50 Resp: 684

Ion Ratio Lower Upper

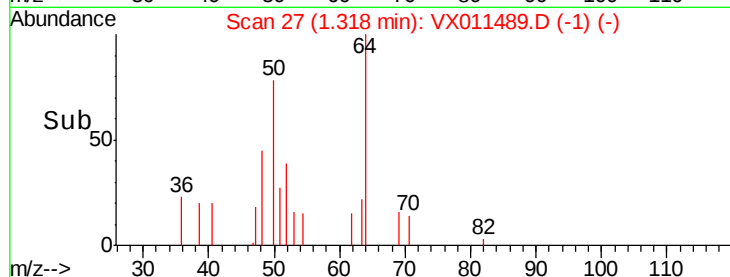
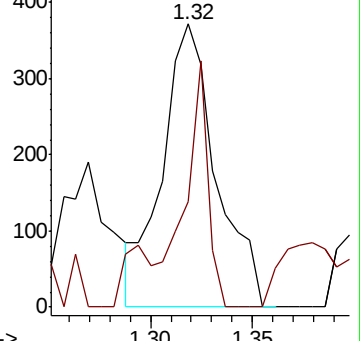
50 100

52 23.7 26.4 39.6#

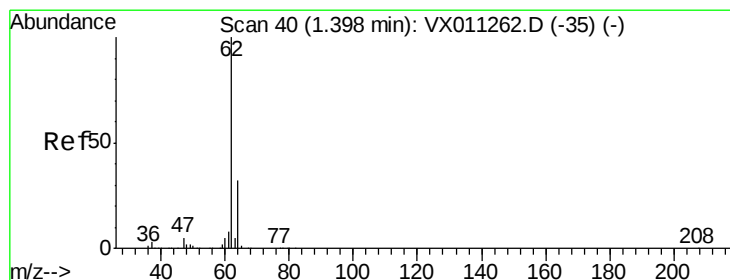


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 1.839 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011489.D

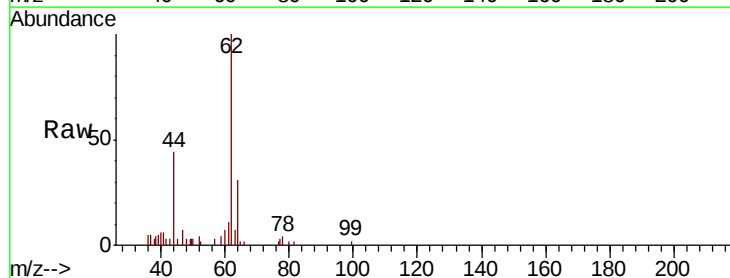
Acq: 12 Aug 2019 17:26

Tgt Ion: 62 Resp: 3148

Ion Ratio Lower Upper

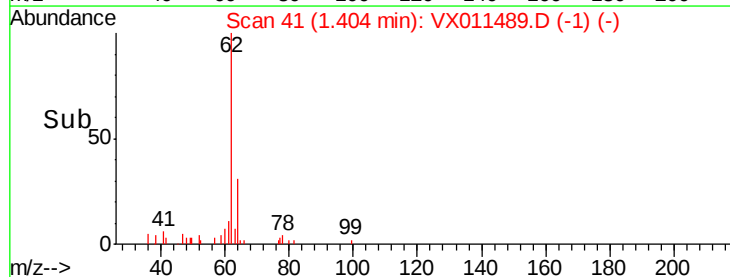
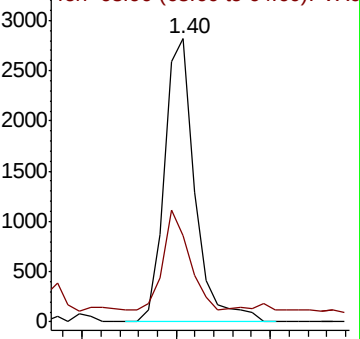
62 100

64 26.5 26.0 39.0

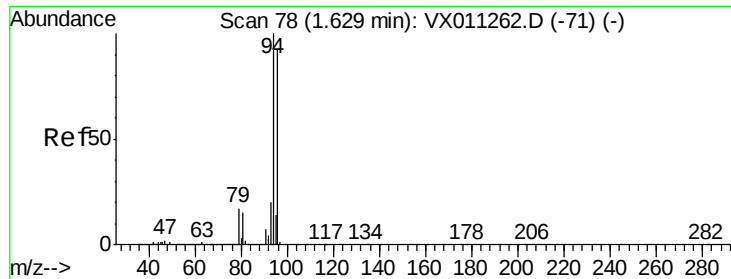


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 0.265 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.03 min

Lab File: VX011489.D

Acq: 12 Aug 2019 17:26

Instrument :

MSVOA_X

ClientSampled :

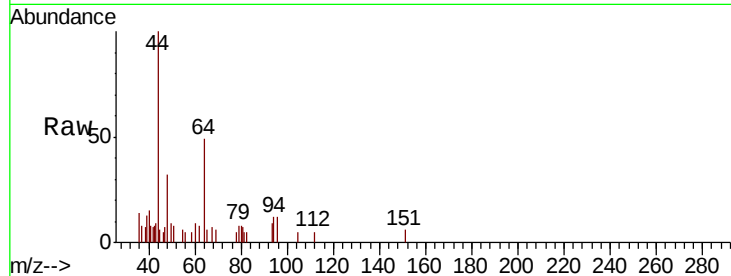
Z3-0693

Tgt Ion: 94 Resp: 323

Ion Ratio Lower Upper

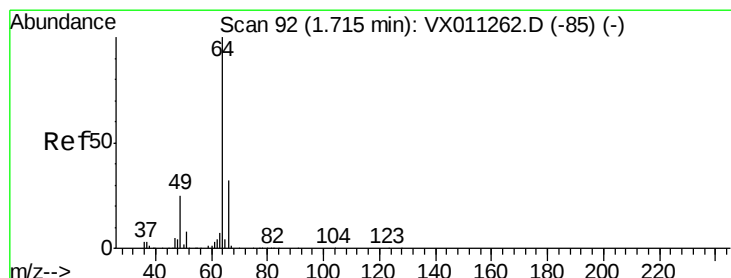
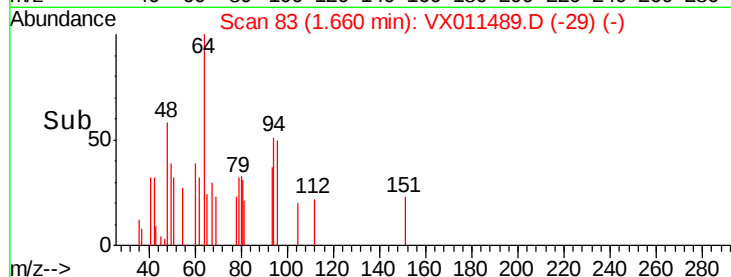
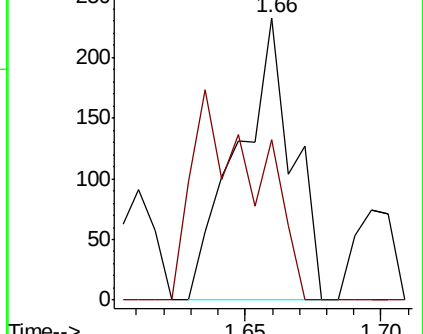
94 100

96 56.7 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: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX011489.D

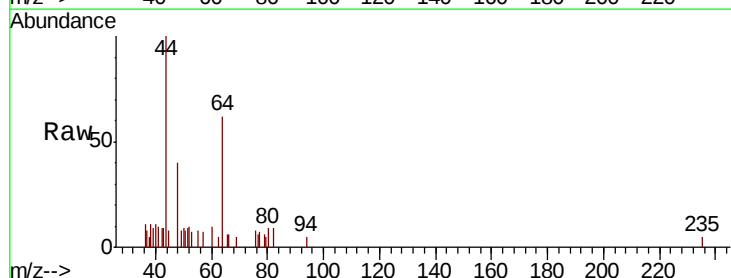
Acq: 12 Aug 2019 17:26

Tgt Ion: 64 Resp: 137

Ion Ratio Lower Upper

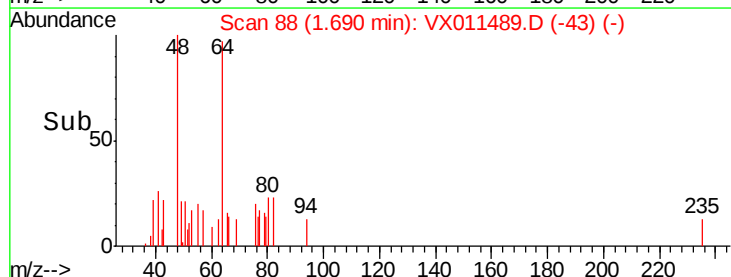
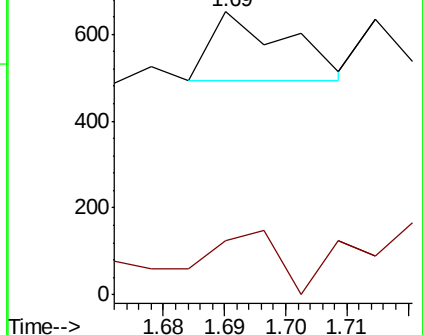
64 100

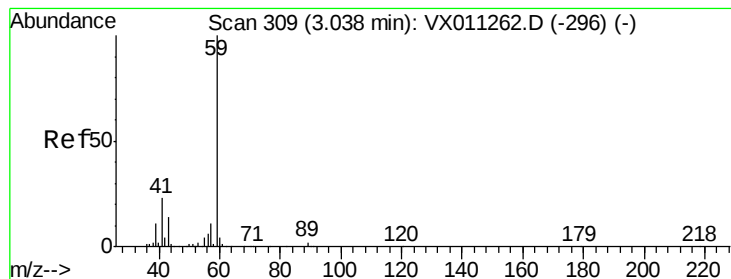
66 40.6 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 1.244 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011489.D

Acq: 12 Aug 2019 17:26

Instrument :

MSVOA_X

ClientSampled :

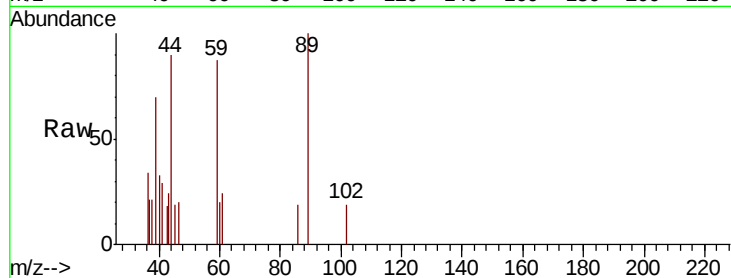
Z3-0693

Tgt Ion: 59 Resp: 440

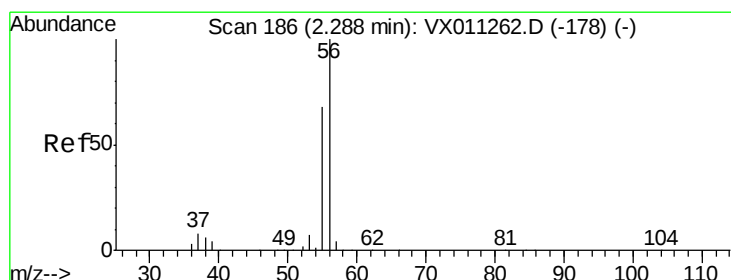
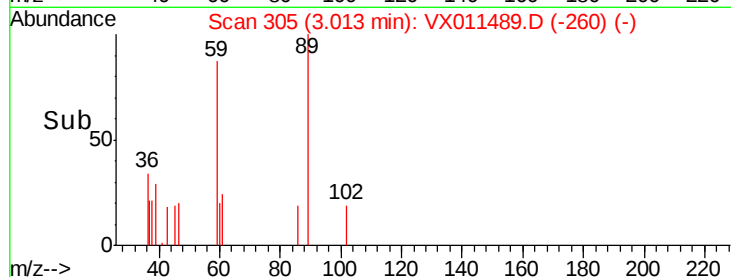
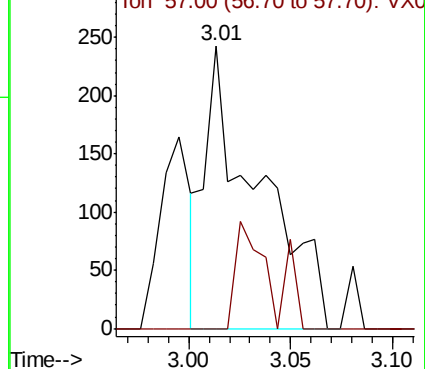
Ion Ratio Lower Upper

59 100

57 18.4 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0



#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 190

Delta R.T. 0.03 min

Lab File: VX011489.D

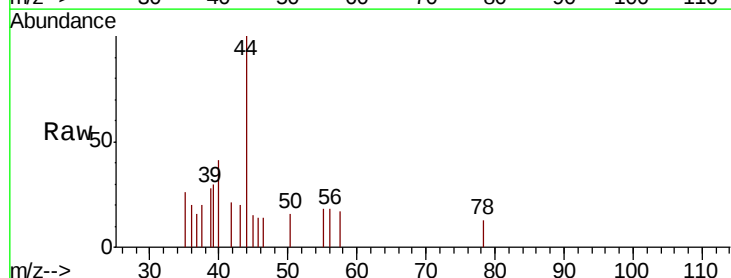
Acq: 12 Aug 2019 17:26

Tgt Ion: 56 Resp: 26

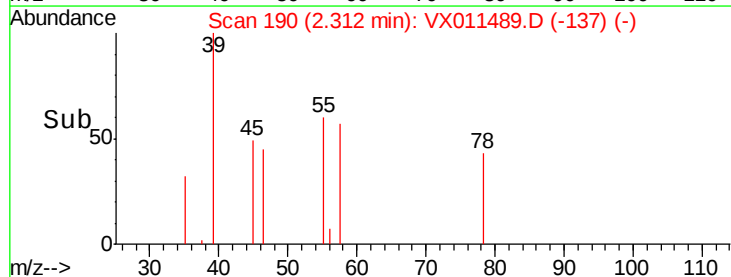
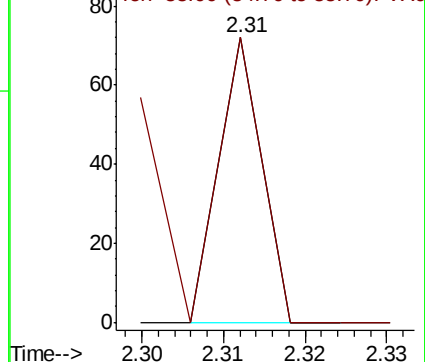
Ion Ratio Lower Upper

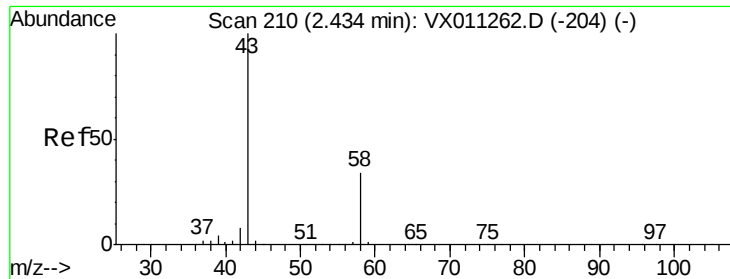
56 100

55 0.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0





#16

Acetone

Concen: 1.488 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011489.D

Acq: 12 Aug 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

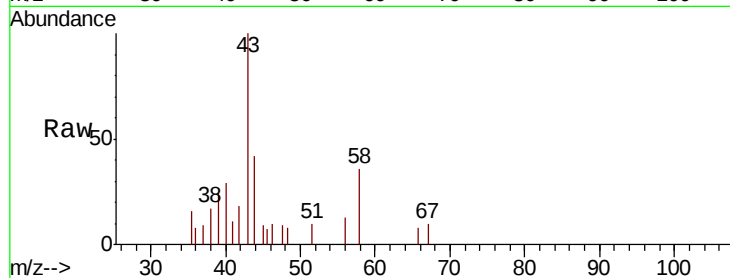
Z3-0693

Tgt Ion: 43 Resp: 1280

Ion Ratio Lower Upper

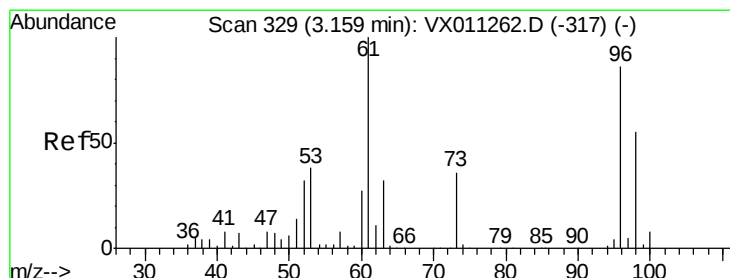
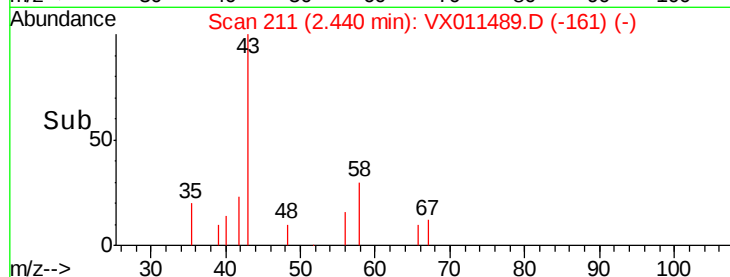
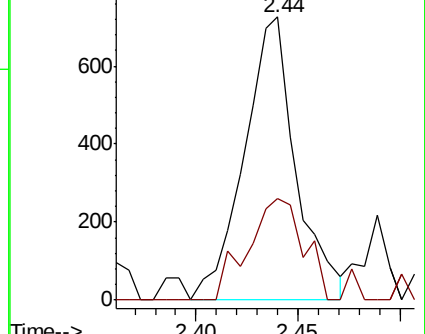
43 100

58 36.0 27.4 41.0



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: 7.167 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011489.D

Acq: 12 Aug 2019 17:26

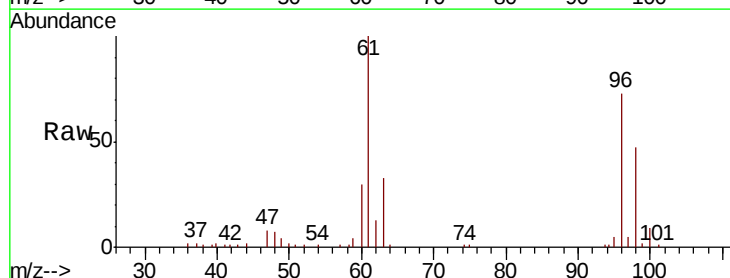
Tgt Ion: 96 Resp: 12374

Ion Ratio Lower Upper

96 100

61 136.9 92.8 139.2

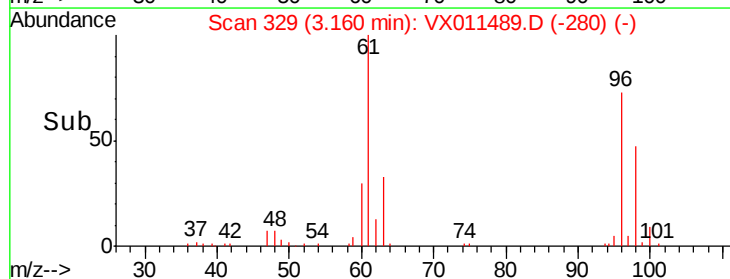
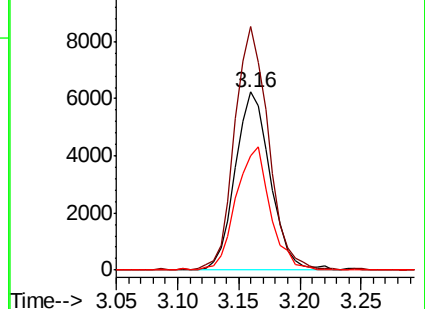
98 64.5 51.2 76.8

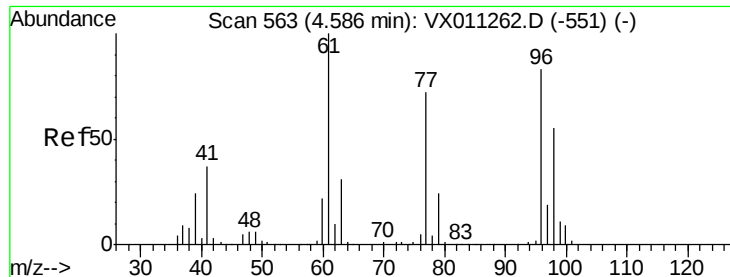


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



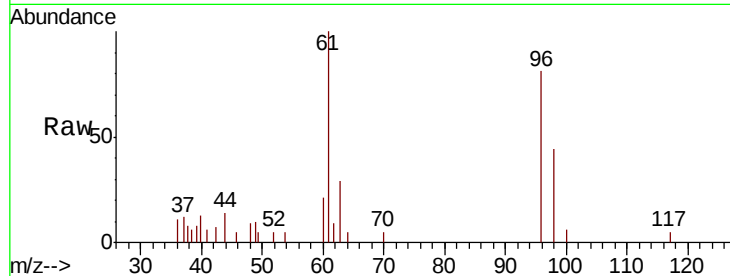


#27

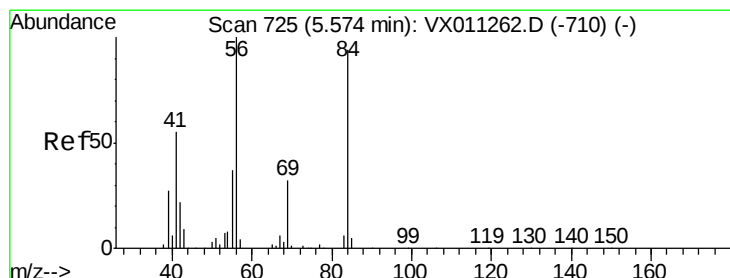
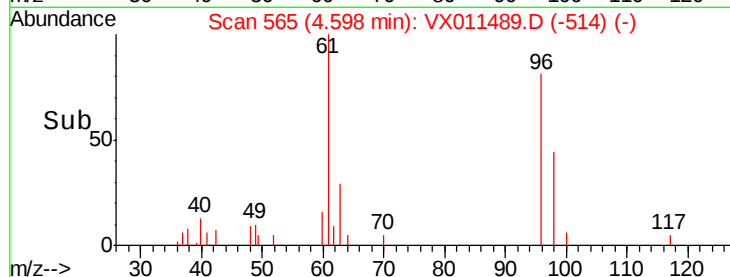
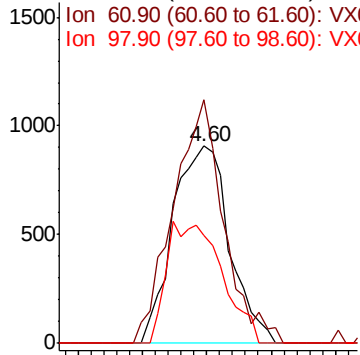
cis-1,2-Dichloroethene
Concen: 1.395 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX011489.D
Acq: 12 Aug 2019 17:26

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693

Tgt Ion: 96 Resp: 2775
Ion Ratio Lower Upper
96 100
61 110.1 0.0 260.2
98 0.0 0.0 133.2



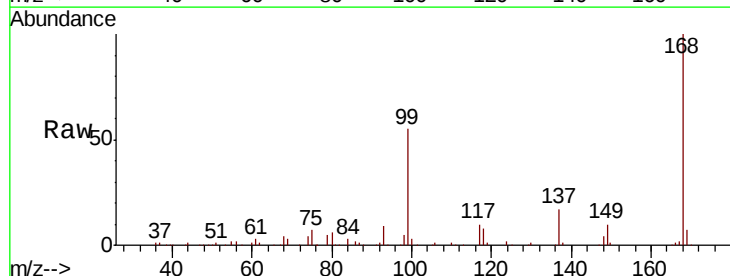
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



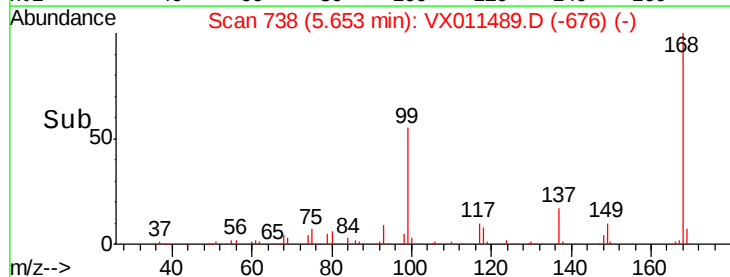
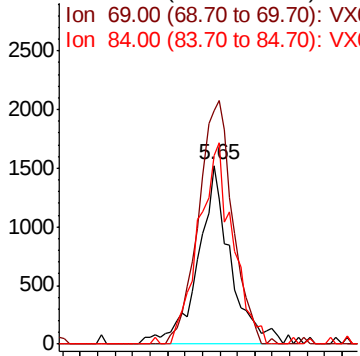
#31

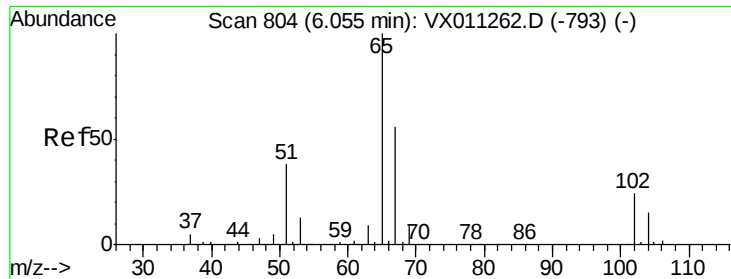
Cyclohexane
Concen: 1.681 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX011489.D
Acq: 12 Aug 2019 17:26

Tgt Ion: 56 Resp: 3910
Ion Ratio Lower Upper
56 100
69 130.9 25.5 38.3#
84 105.7 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

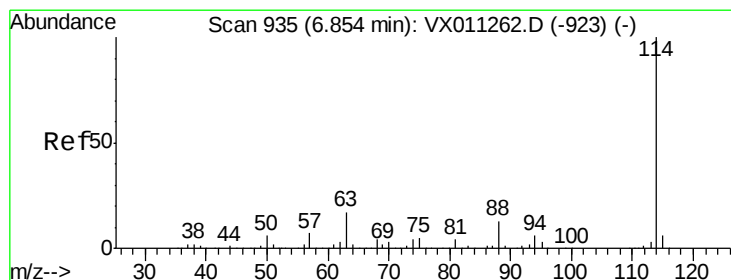
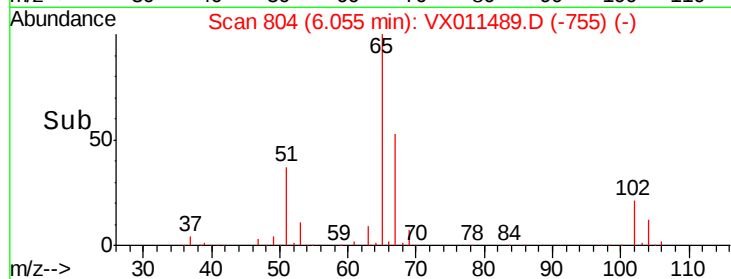
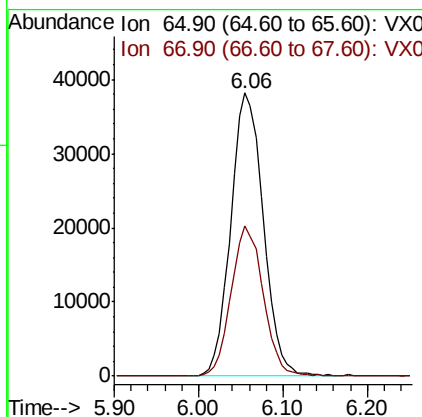
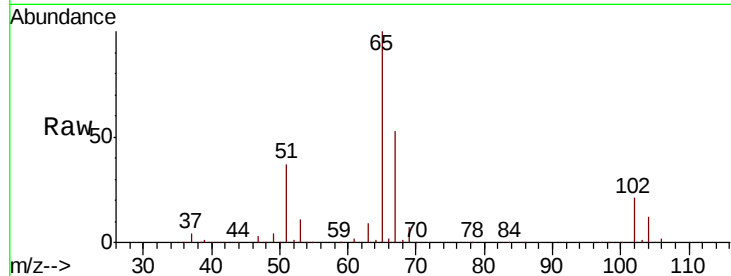




#33
 1,2-Dichloroethane-d4
 Concen: 55.334 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011489.D
 Acq: 12 Aug 2019 17:26

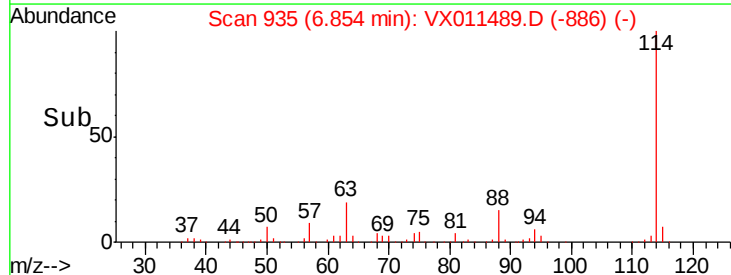
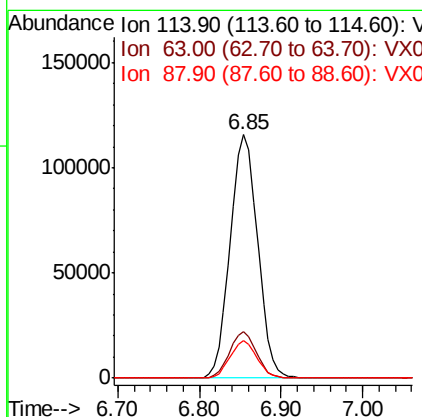
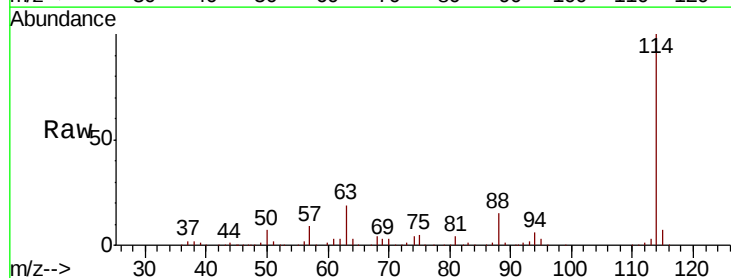
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693

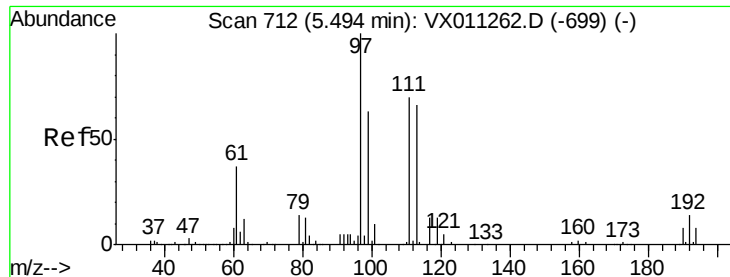
Tgt Ion: 65 Resp: 99969
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011489.D
 Acq: 12 Aug 2019 17:26

Tgt Ion: 114 Resp: 269210
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 34.0
 88 15.3 0.0 26.4

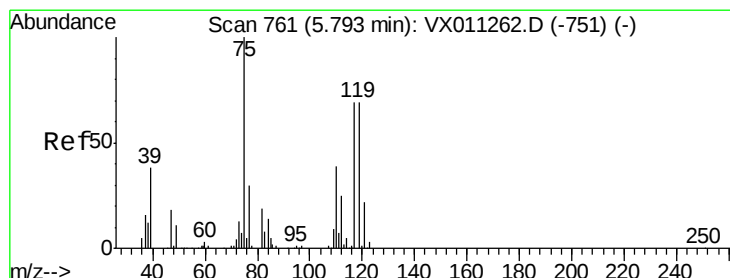
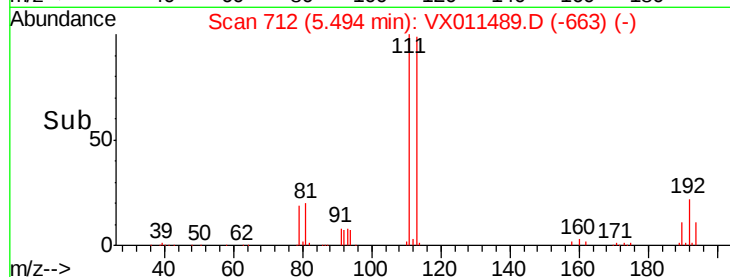
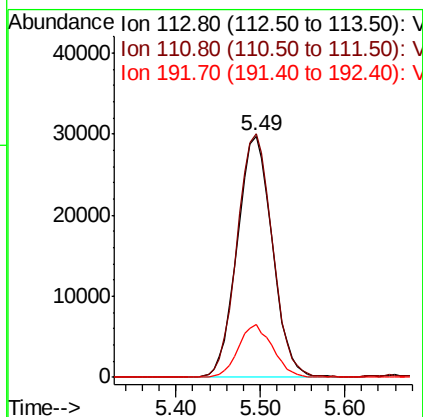
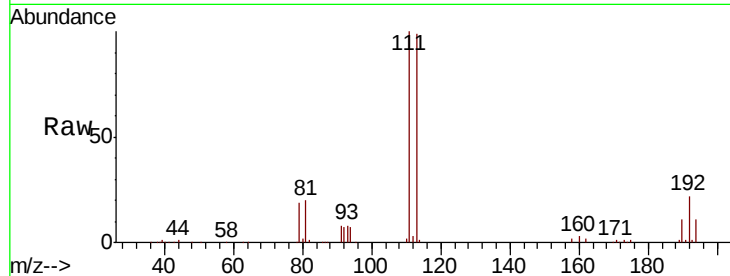




#35
 Dibromofluoromethane
 Concen: 47.757 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011489.D
 Acq: 12 Aug 2019 17:26

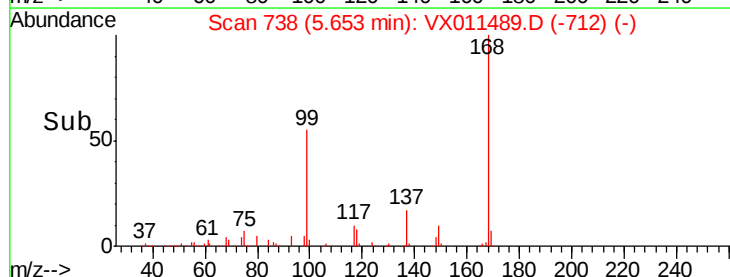
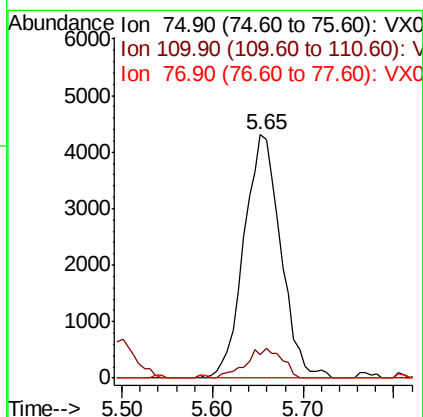
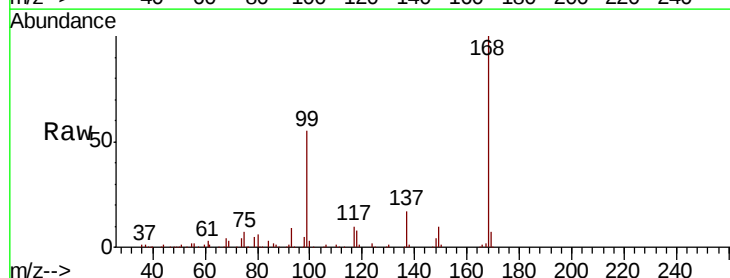
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693

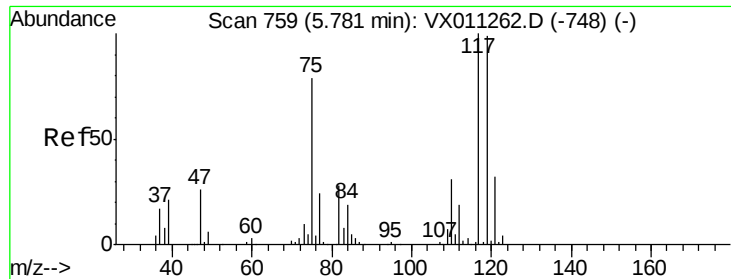
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	21.4	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 5.141 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011489.D
 Acq: 12 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	20.0	59.9#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 7.205 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011489.D

Acq: 12 Aug 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693

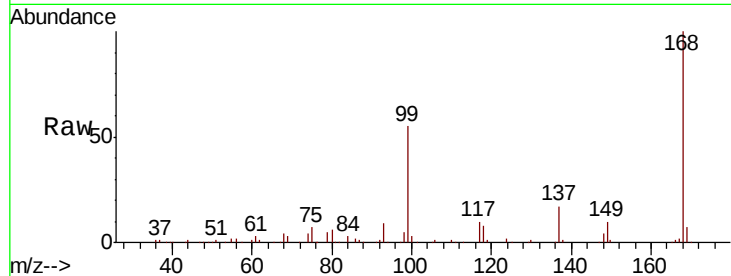
Tgt Ion:117 Resp: 17037

Ion Ratio Lower Upper

117 100

119 6.0 79.0 118.4#

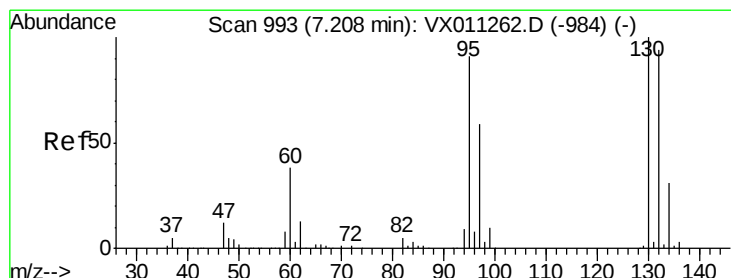
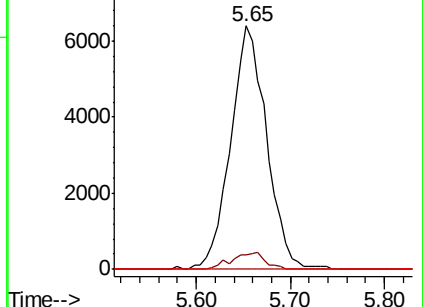
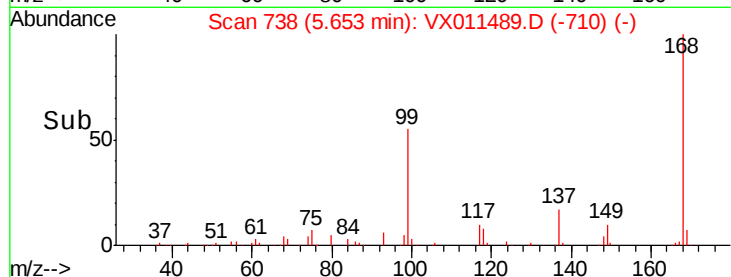
121 0.0 25.9 38.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.244 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX011489.D

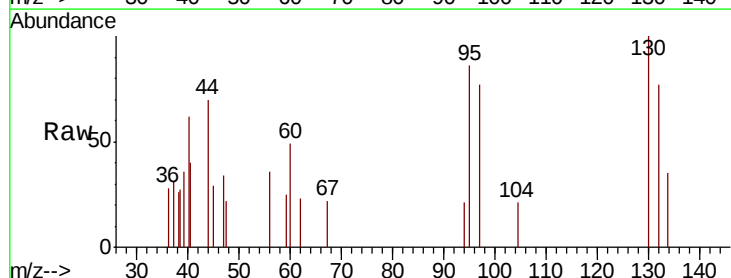
Acq: 12 Aug 2019 17:26

Tgt Ion:130 Resp: 519

Ion Ratio Lower Upper

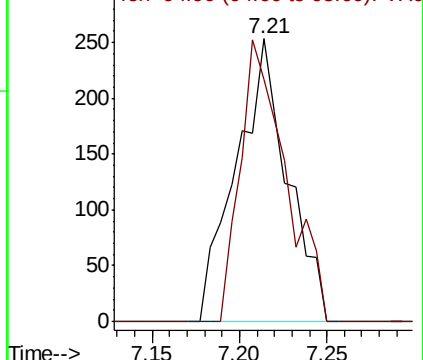
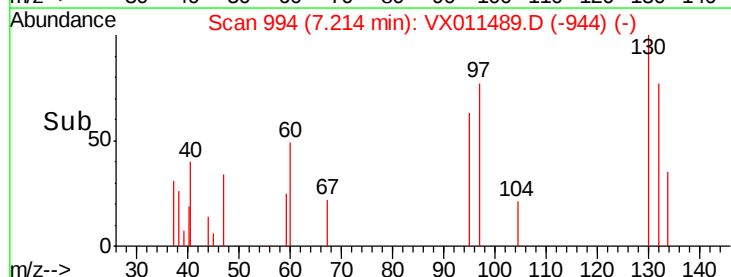
130 100

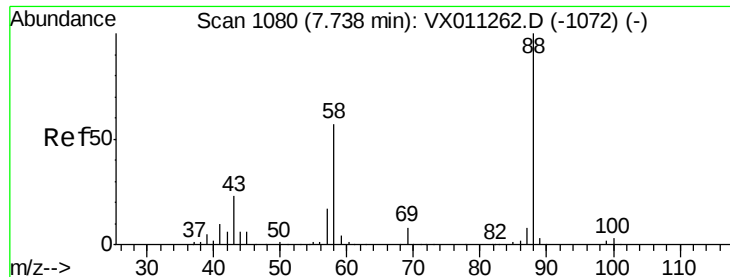
95 85.8 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

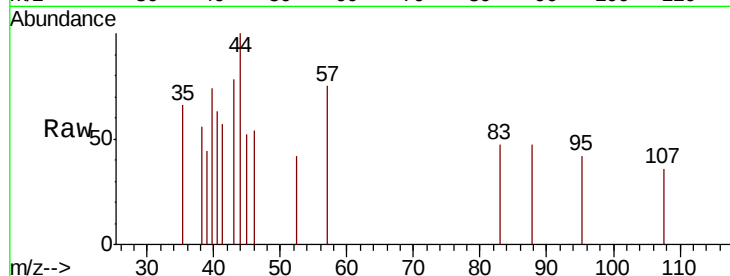




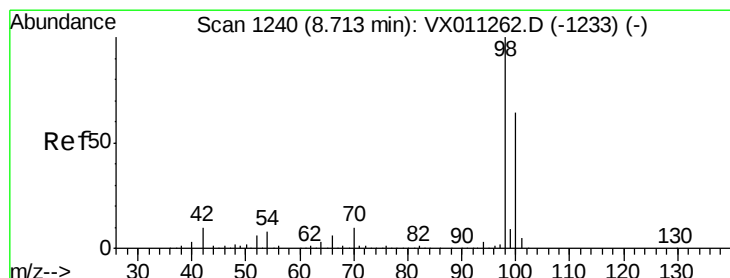
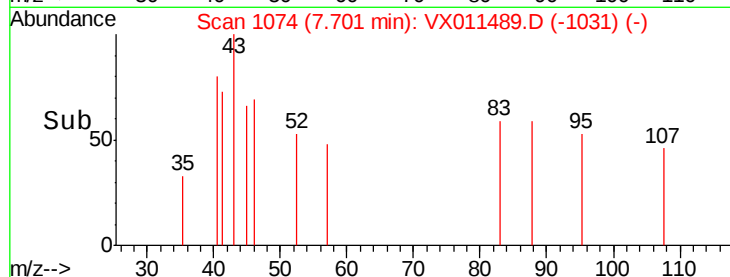
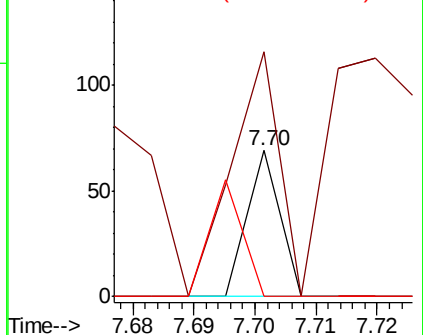
#49
 1,4-Dioxane
 Concen: 0.486 ug/l
 RT: 7.70 min Scan# 1074
 Delta R.T. -0.04 min
 Lab File: VX011489.D
 Acq: 12 Aug 2019 17:26

Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0693

Tgt Ion: 88 Resp: 25
 Ion Ratio Lower Upper
 88 100
 43 248.0 22.2 33.2#
 58 80.0 47.8 71.8#

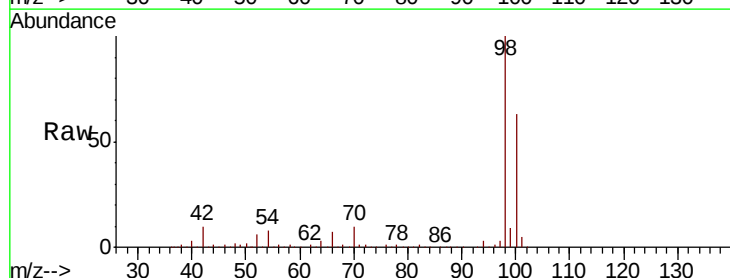


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

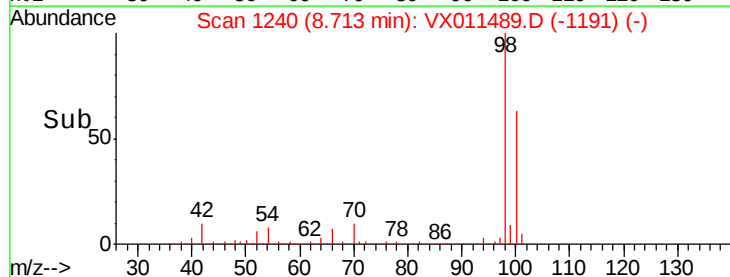
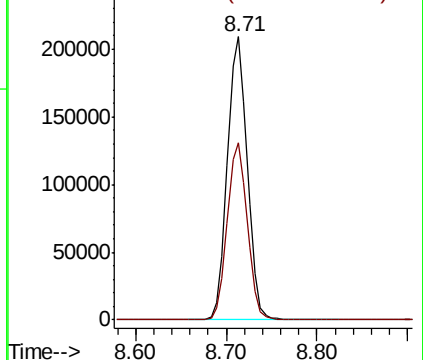


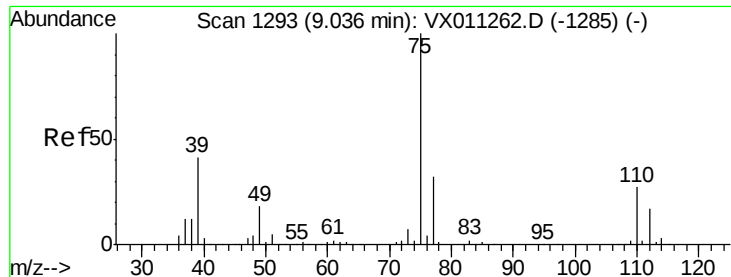
#50
 Toluene-d8
 Concen: 48.049 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011489.D
 Acq: 12 Aug 2019 17:26

Tgt Ion: 98 Resp: 318779
 Ion Ratio Lower Upper
 98 100
 100 62.9 51.7 77.5



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

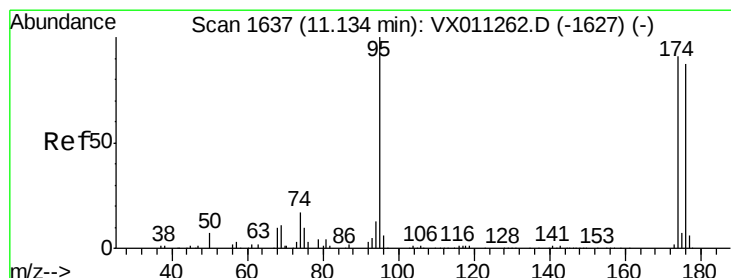
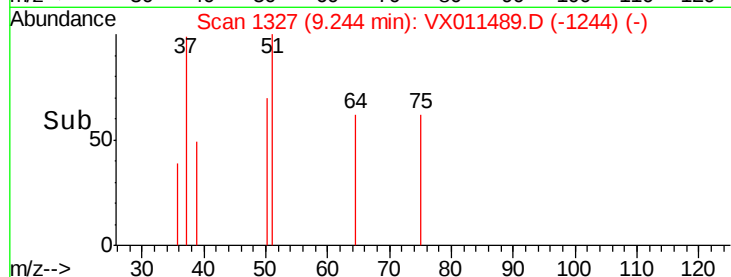
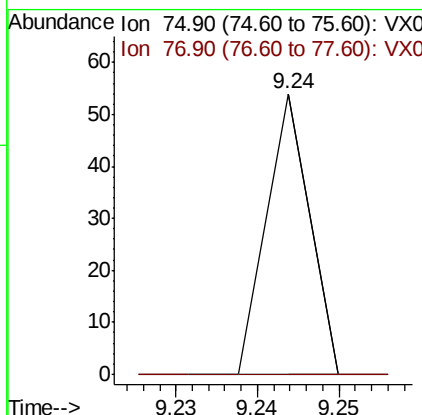
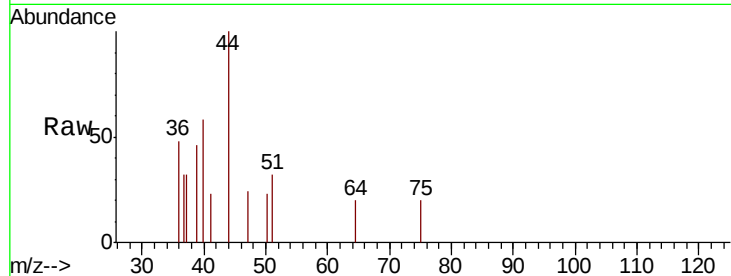




#53
t-1,3-Dichloropropene
Concen: 2.846 ug/l
RT: 9.24 min Scan# 1327
Delta R.T. 0.21 min
Lab File: VX011489.D
Acq: 12 Aug 2019 17:26

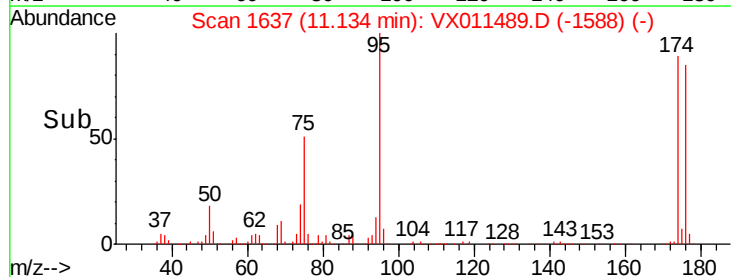
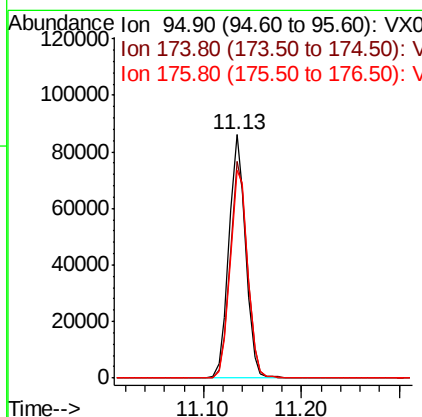
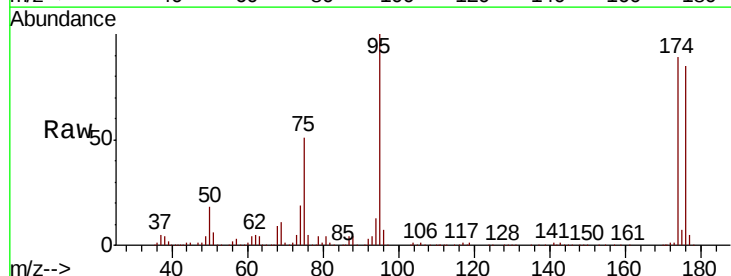
Instrument :
MSVOA_X
ClientSampleId :
Z3-0693

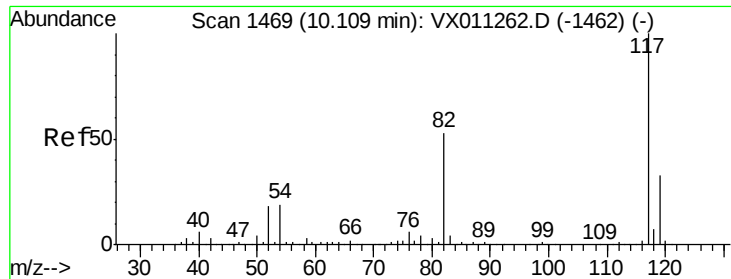
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 43.093 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011489.D
Acq: 12 Aug 2019 17:26

Tgt Ion: 95 Resp: 102073
Ion Ratio Lower Upper
95 100
174 91.7 0.0 191.2
176 89.7 0.0 184.8

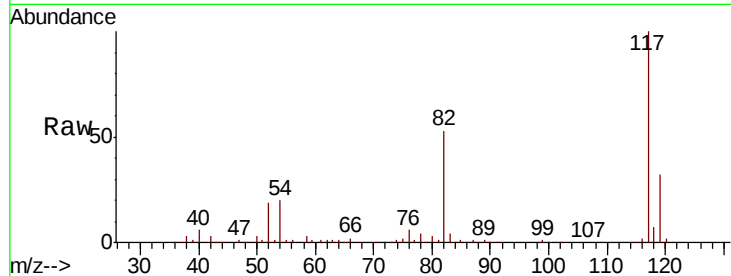




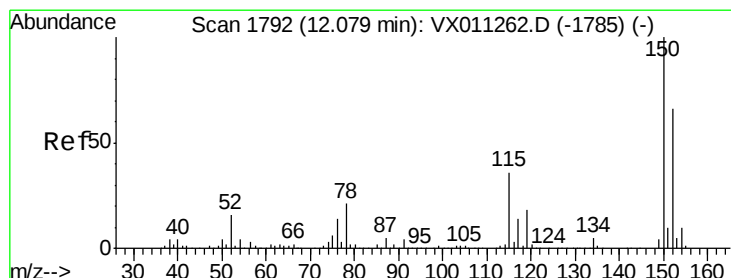
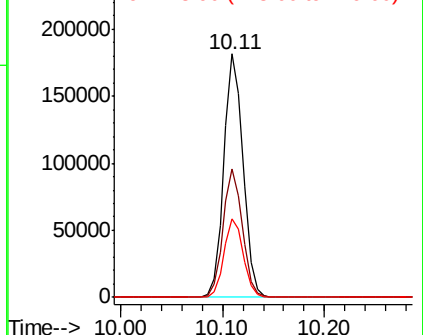
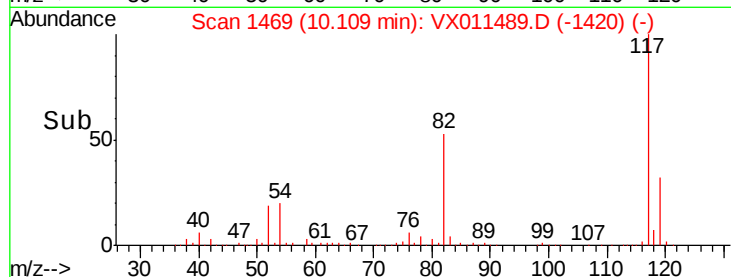
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011489.D
Acq: 12 Aug 2019 17:26

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693

Tgt Ion:117 Resp: 238390
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.2
119 32.3 26.6 39.8

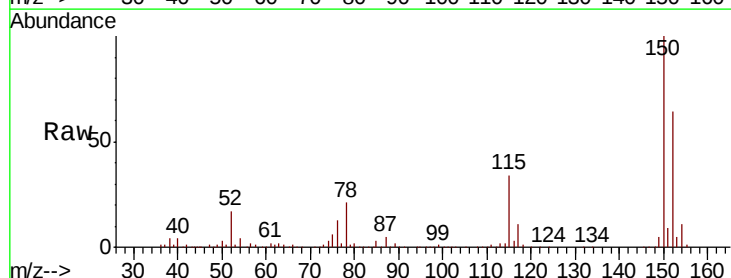


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

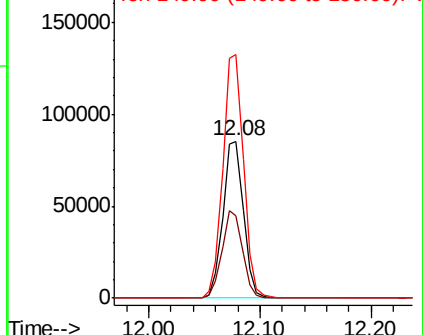
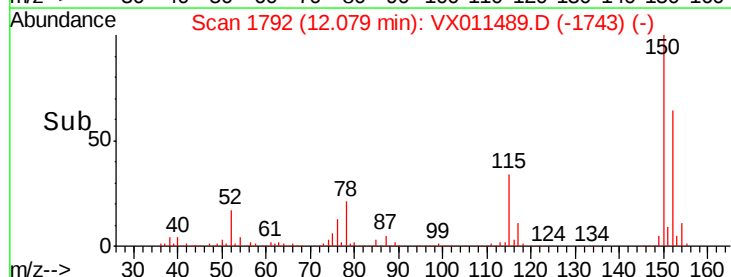


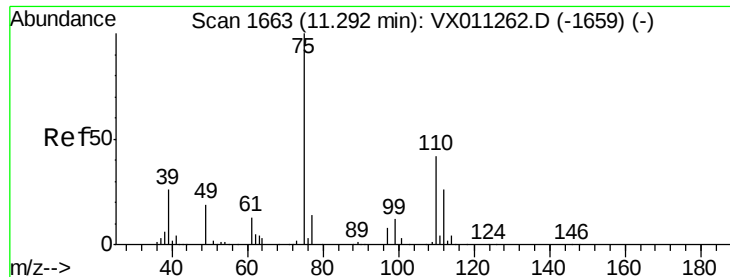
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011489.D
Acq: 12 Aug 2019 17:26

Tgt Ion:152 Resp: 108740
Ion Ratio Lower Upper
152 100
115 55.7 40.0 119.9
150 156.4 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

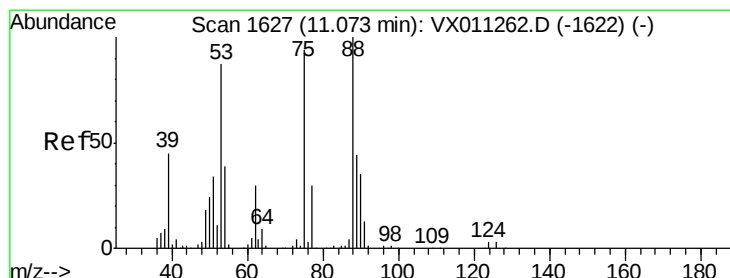
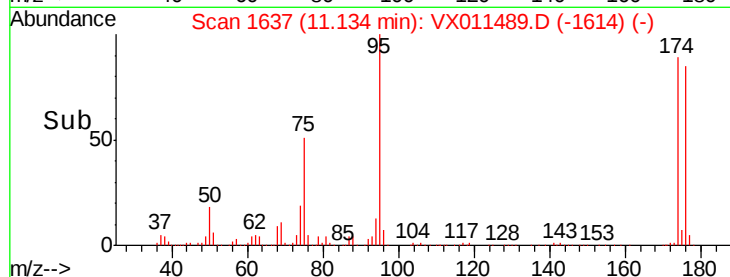
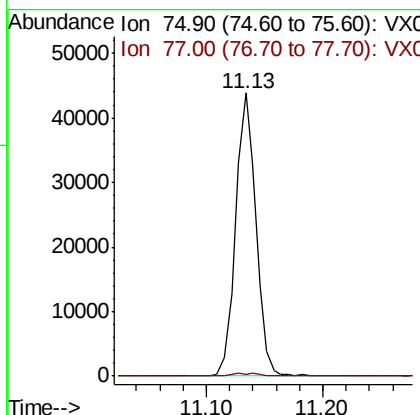
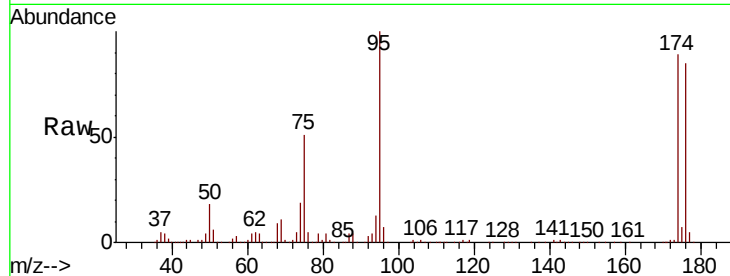




#76
 1,2,3-Trichloropropane
 Concen: 26.959 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011489.D
 Acq: 12 Aug 2019 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693

Tgt Ion: 75 Resp: 53387
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.997 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011489.D
 Acq: 12 Aug 2019 17:26

Tgt Ion: 75 Resp: 53387
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.2 117.4#
 89 0.1 37.9 56.9#

