

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015696.D
 Acq On : 15 Apr 2020 20:09
 Operator : JC/SP
 Sample : L2233-19 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Apr 16 06:01:22 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	5.63	168	1010345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1584465	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1547040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	889869	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	625151	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	
35) Dibromofluoromethane	5.47	113	466383	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
50) Toluene-d8	8.70	98	1912907	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.12	95	799936	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

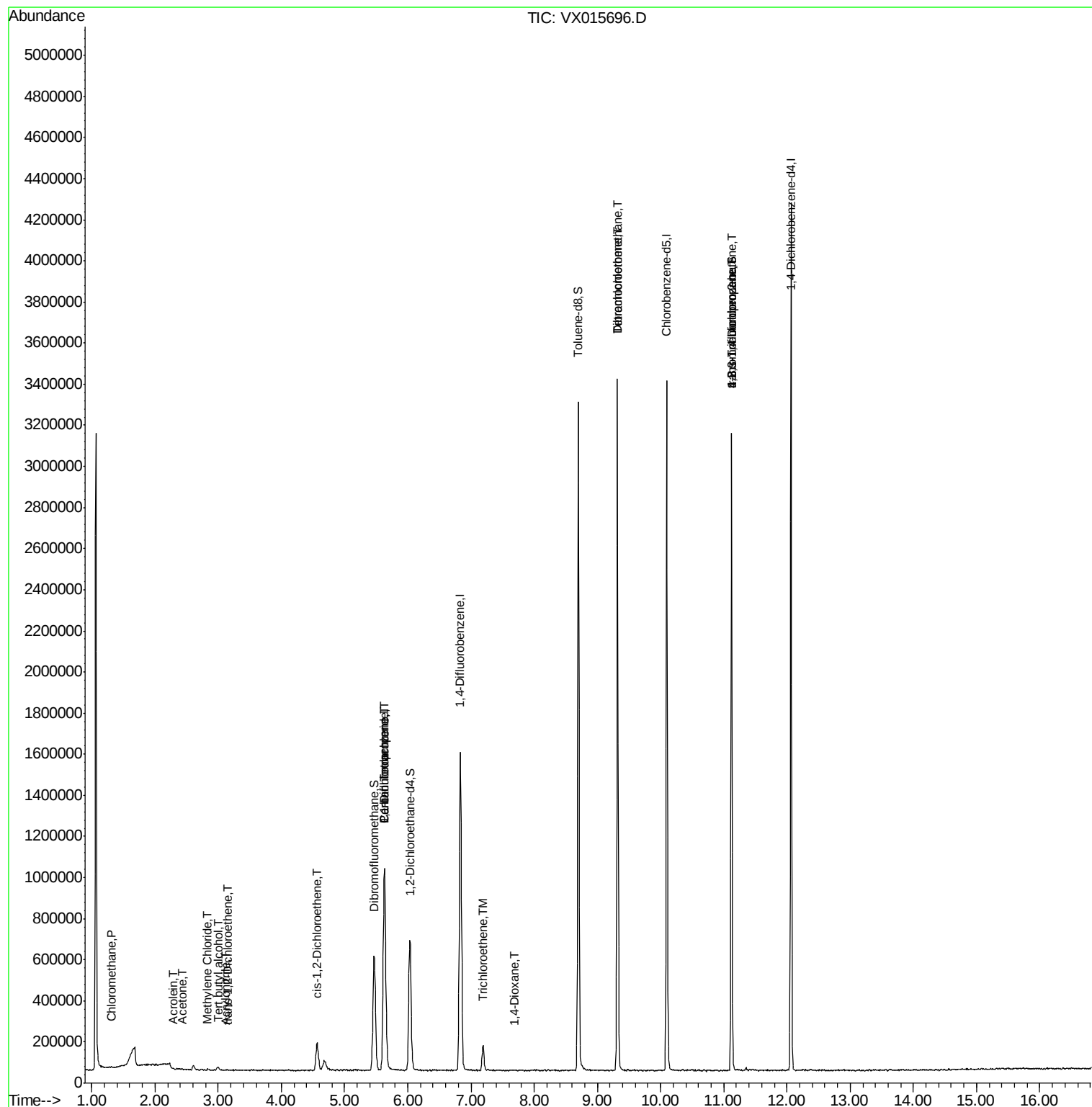
					Qvalue	
3) Chloromethane	1.31	50	2480	0.219	ug/l #	81
5) Bromomethane	1.62	94	2246	Below Cal		99
11) Tert butyl alcohol	3.00	59	9007	2.641	ug/l #	87
13) Acrolein	2.29	56	1137	0.585	ug/l #	37
15) Acrylonitrile	3.13	53	1457	0.224	ug/l #	1
16) Acetone	2.43	43	6568	1.073	ug/l	96
20) Methylene Chloride	2.83	84	3262	0.285	ug/l #	75
21) trans-1,2-Dichloroethene	3.14	96	2338	0.221	ug/l #	33
27) cis-1,2-Dichloroethene	4.56	96	85928	7.016	ug/l	89
36) 1,1-Dichloropropene	5.62	75	69767	4.779	ug/l #	52
38) Carbon Tetrachloride	5.64	117	93916	5.939	ug/l #	15
44) Trichloroethene	7.19	130	50486	4.329	ug/l	98
49) 1,4-Dioxane	7.69	88	545	1.823	ug/l #	41
60) Dibromochloromethane	9.32	129	587629	45.271	ug/l #	11
64) Tetrachloroethene	9.32	164	649603	55.640	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	401986	21.967	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	401986	52.709	ug/l #	10

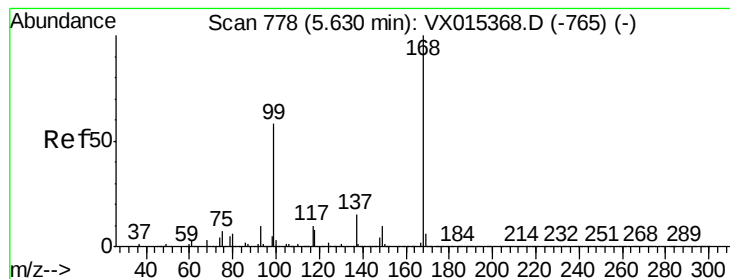
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 16 06:01:22 2020
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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015696.D

Acq: 15 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

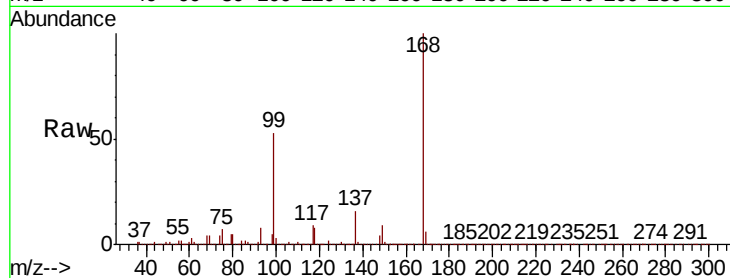
Z3-DUP-0543-200408DL

Tot Ion:168 Resp: 1010345

Ion Ratio Lower Upper

168 100

99 53.1 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

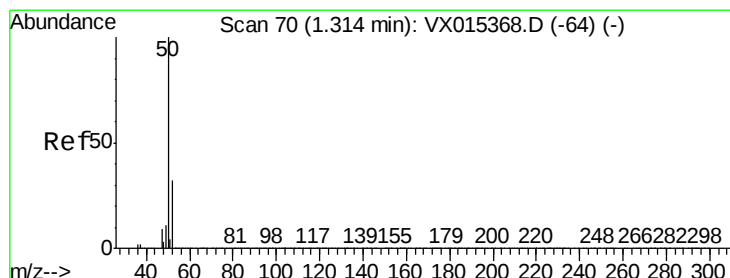
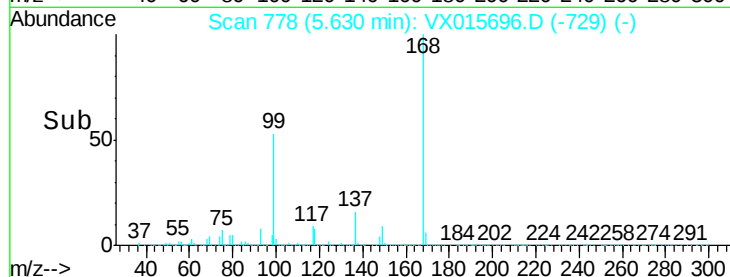
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.219 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015696.D

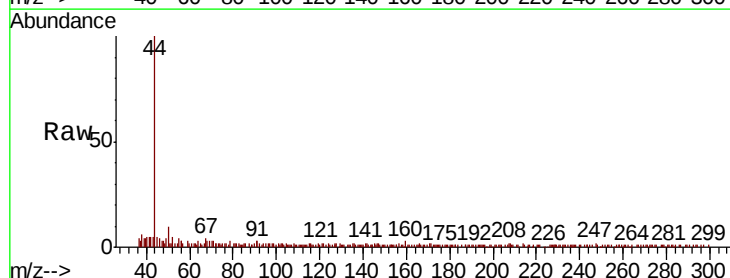
Acq: 15 Apr 2020 20:09

Tgt Ion: 50 Resp: 2480

Ion Ratio Lower Upper

50 100

52 20.8 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

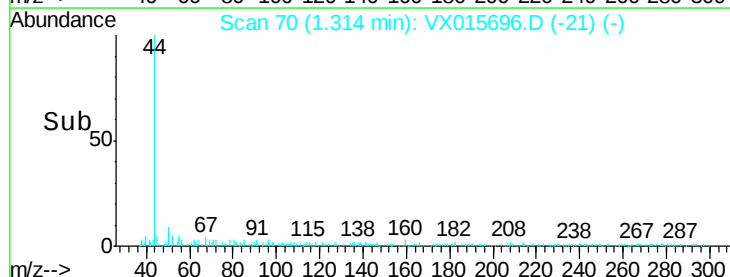
1500

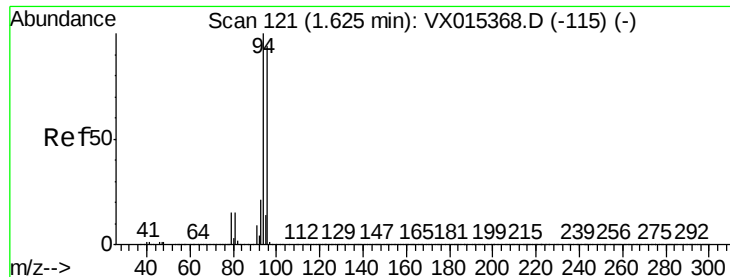
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015696.D

Acq: 15 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

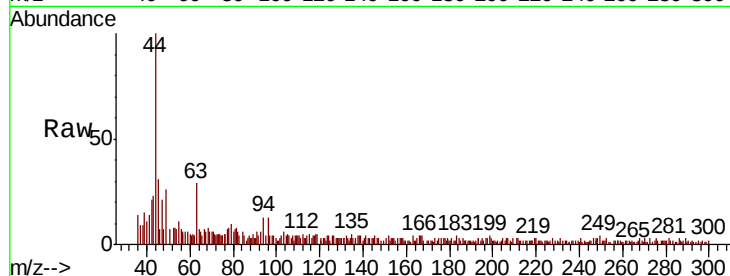
Z3-DUP-0543-200408DL

Tot Ion: 94 Resp: 2246

Ion Ratio Lower Upper

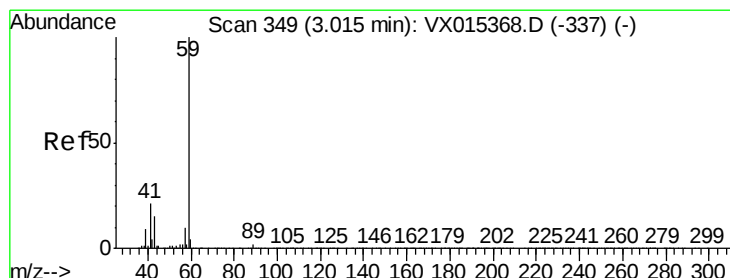
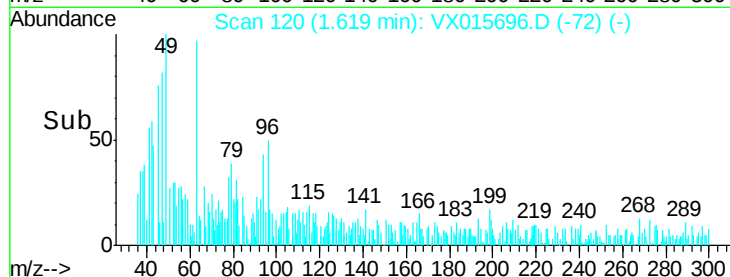
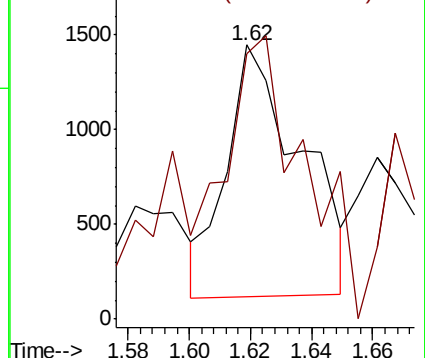
94 100

96 92.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 2.641 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015696.D

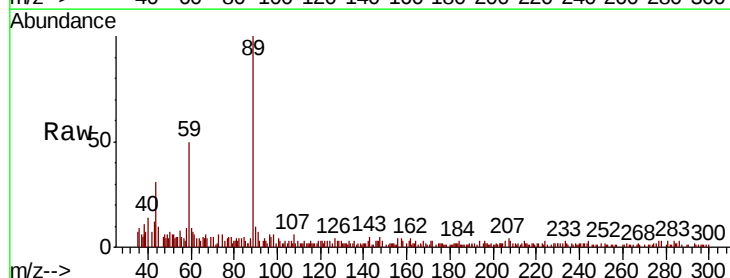
Acq: 15 Apr 2020 20:09

Tgt Ion: 59 Resp: 9007

Ion Ratio Lower Upper

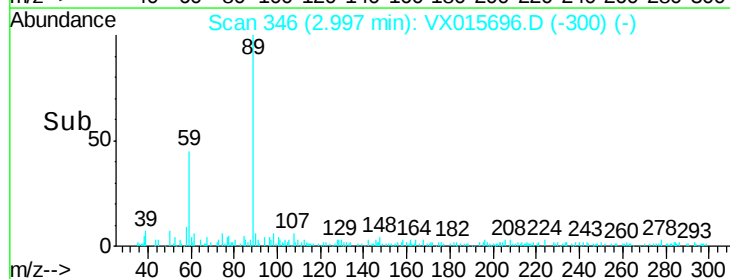
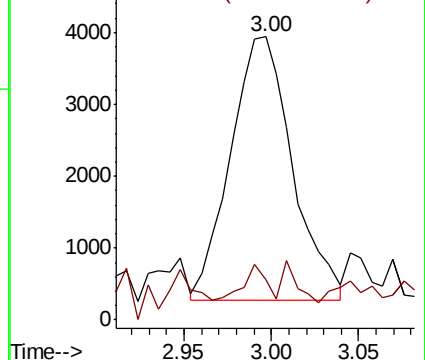
59 100

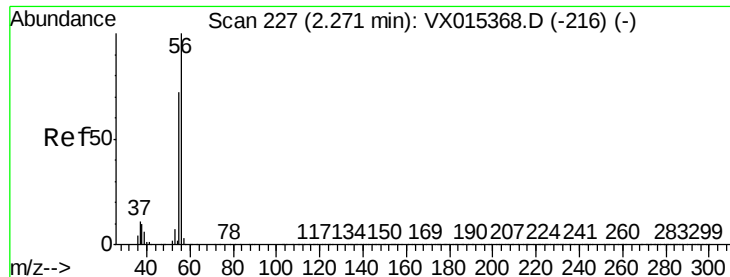
57 5.1 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

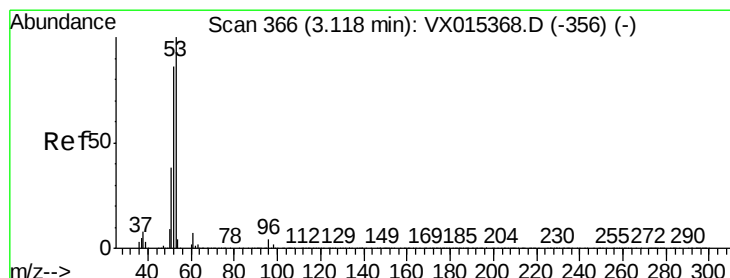
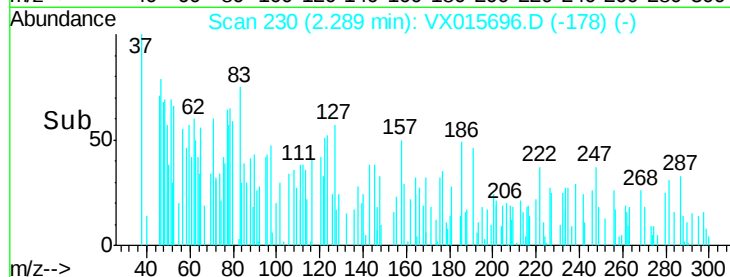
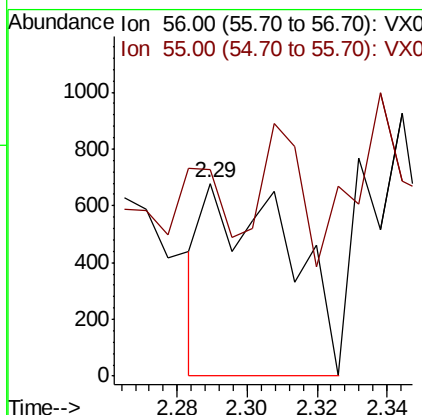
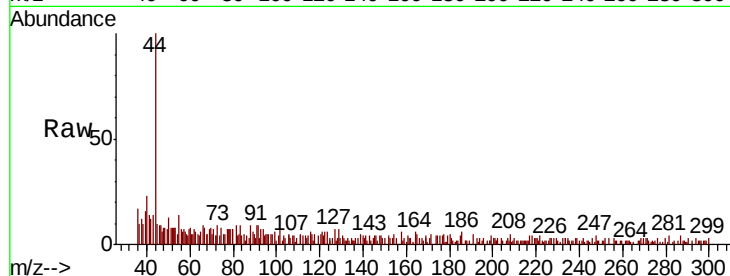




#13
Acrolein
Concen: 0.585 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.02 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

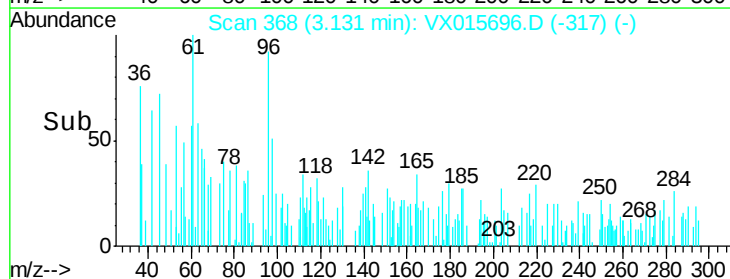
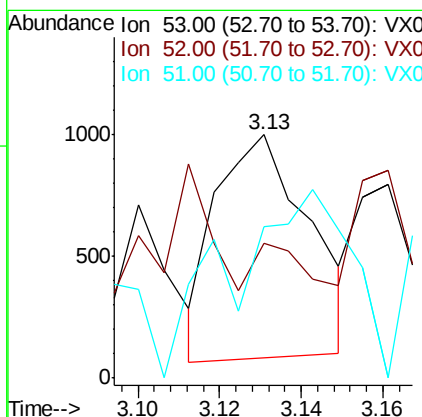
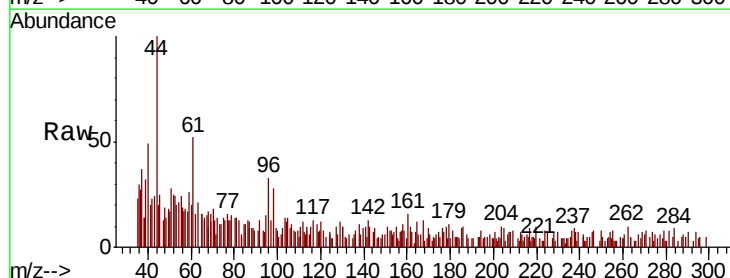
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0543-200408DL

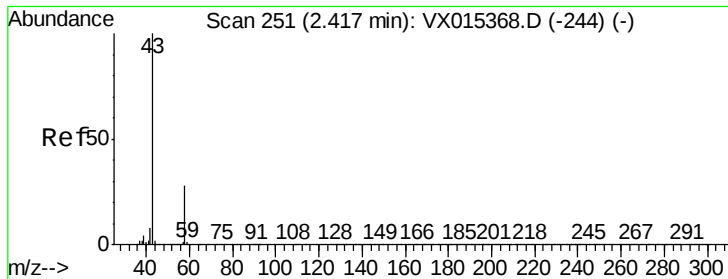
Tot Ion: 56 Resp: 1137
Ion Ratio Lower Upper
56 100
55 19.3 57.0 85.4#



#15
Acrylonitrile
Concen: 0.224 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.01 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

Tgt Ion: 53 Resp: 1457
Ion Ratio Lower Upper
53 100
52 0.0 66.8 100.2#
51 108.6 29.5 44.3#

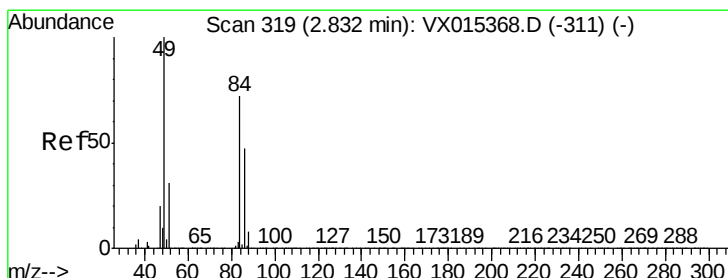
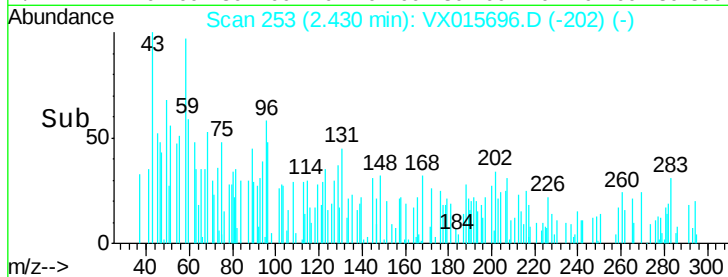
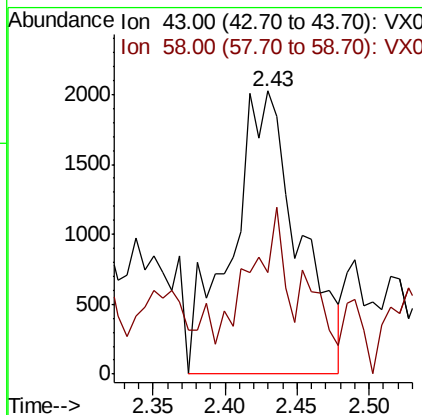
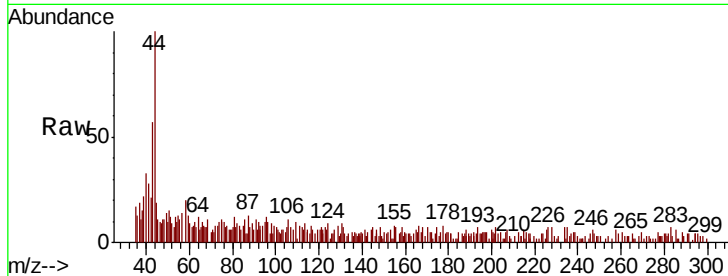




#16
Acetone
Concen: 1.073 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.01 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

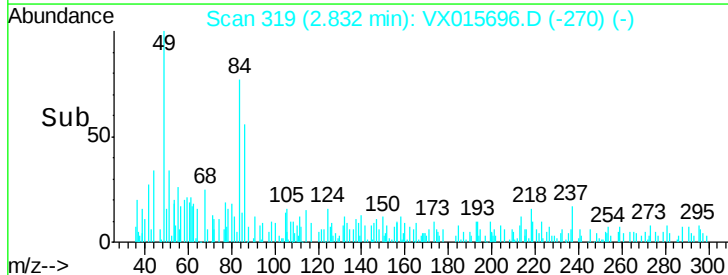
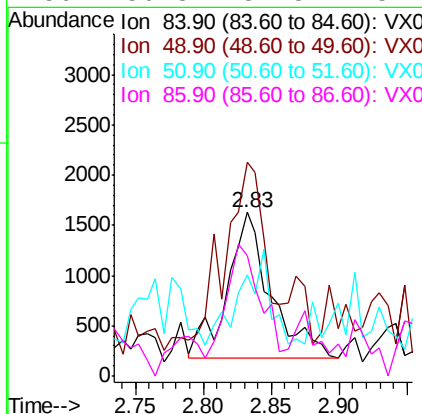
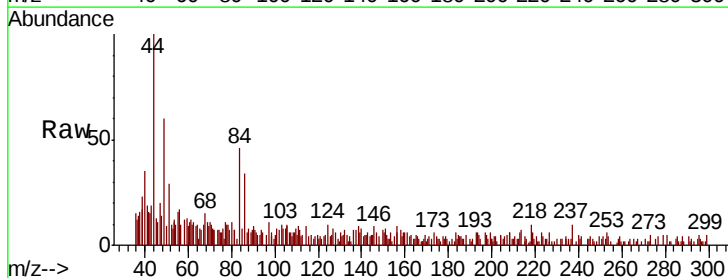
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0543-200408DL

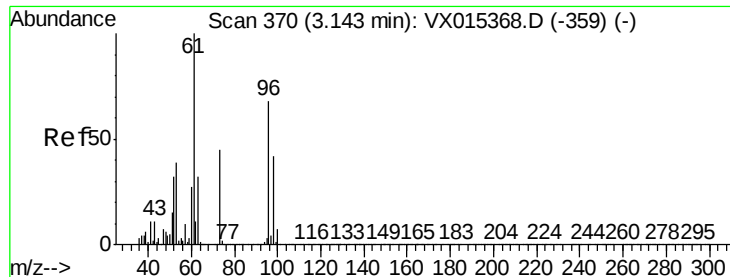
Tot Ion: 43 Resp: 6568
Ion Ratio Lower Upper
43 100
58 25.6 22.1 33.1



#20
Methylene Chloride
Concen: 0.285 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.00 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

Tgt Ion: 84 Resp: 3262
Ion Ratio Lower Upper
84 100
49 101.6 111.3 166.9#
51 31.6 34.0 51.0#
86 50.3 52.5 78.7#





#21

trans-1,2-Dichloroethene

Concen: 0.221 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.00 min

Lab File: VX015696.D

Acq: 15 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0543-200408DL

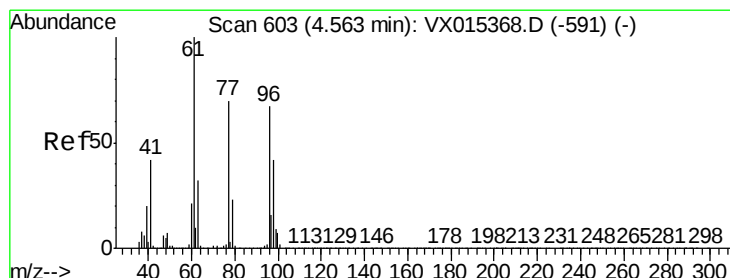
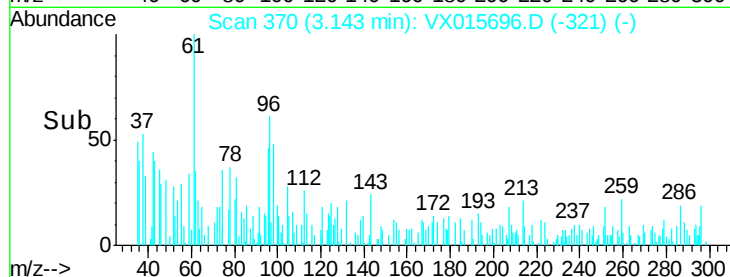
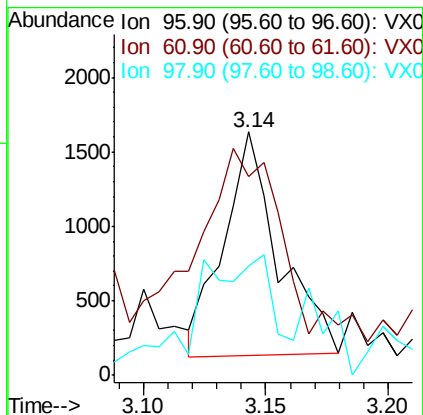
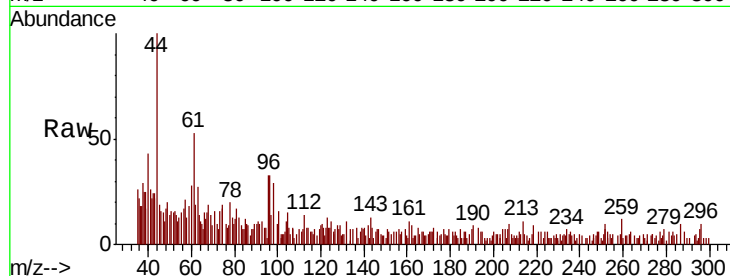
Tot Ion: 96 Resp: 2338

Ion Ratio Lower Upper

96 100

61 42.8 116.9 175.3#

98 39.7 48.6 73.0#



#27

cis-1,2-Dichloroethene

Concen: 7.016 ug/l

RT: 4.56 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX015696.D

Acq: 15 Apr 2020 20:09

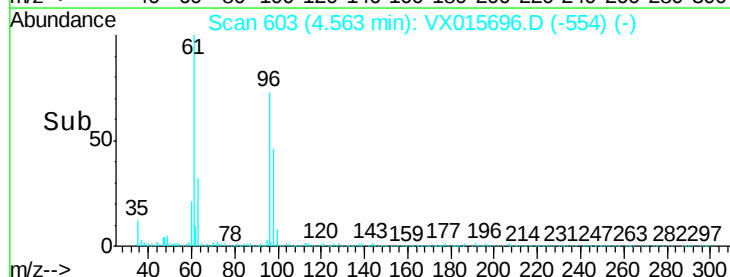
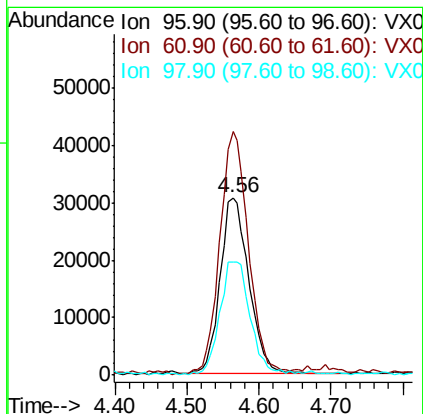
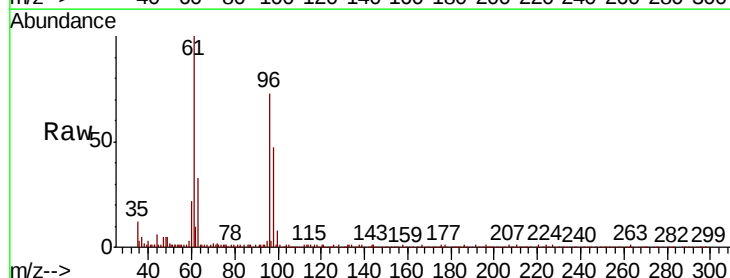
Tgt Ion: 96 Resp: 85928

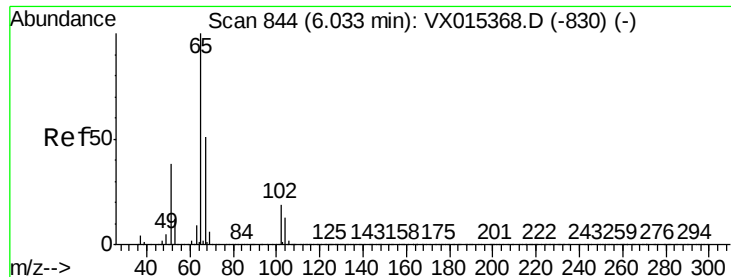
Ion Ratio Lower Upper

96 100

61 134.8 0.0 308.4

98 66.1 0.0 129.2

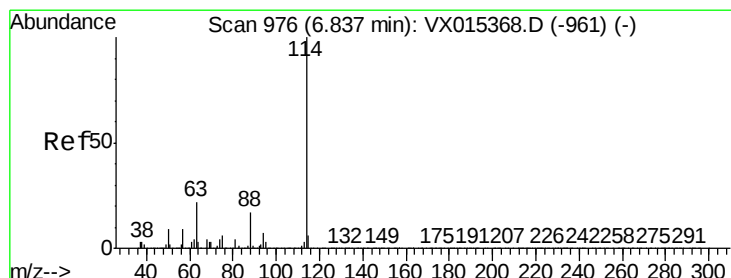
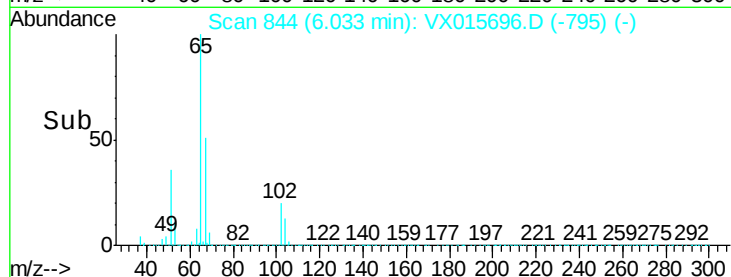
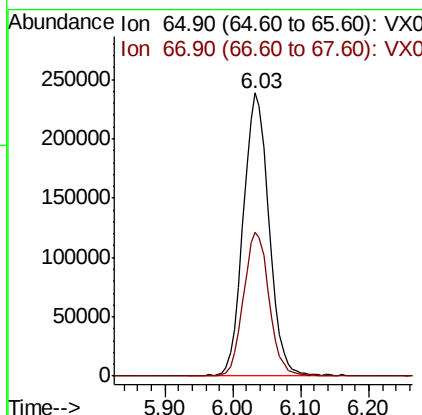
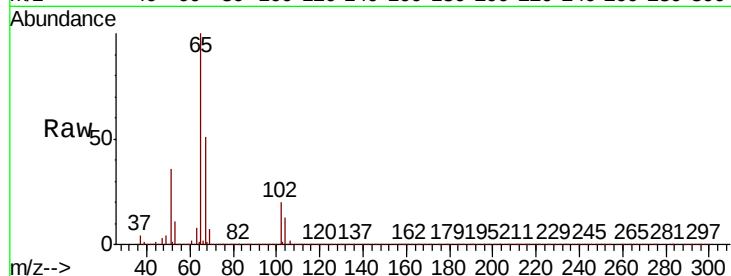




#33
 1,2-Dichloroethane-d4
 Concen: 43.871 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015696.D
 Acq: 15 Apr 2020 20:09

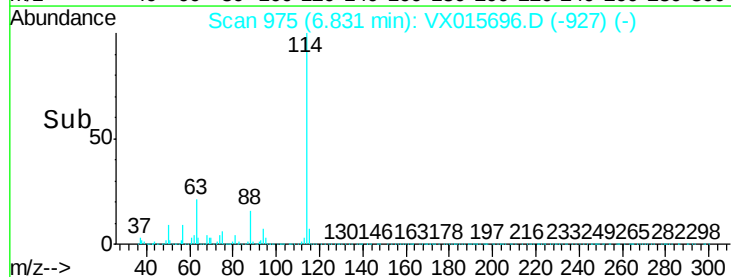
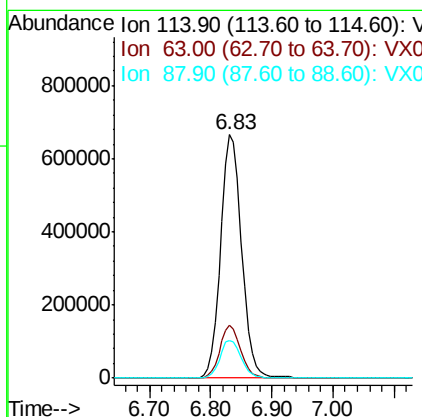
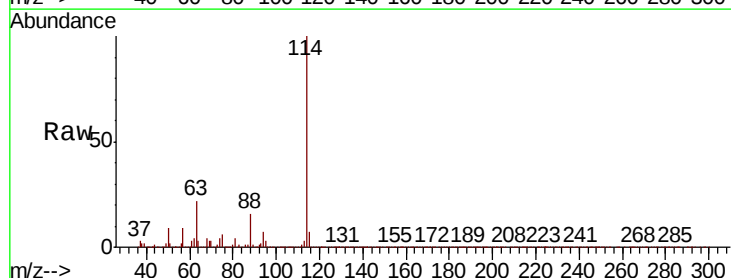
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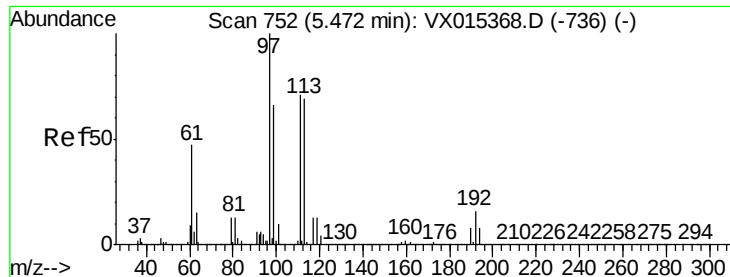
Tot Ion: 65 Resp: 625151
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015696.D
 Acq: 15 Apr 2020 20:09

Tgt Ion: 114 Resp: 1584465
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.2
 88 15.5 0.0 33.8

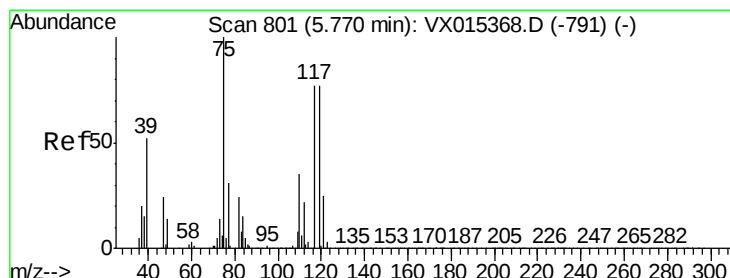
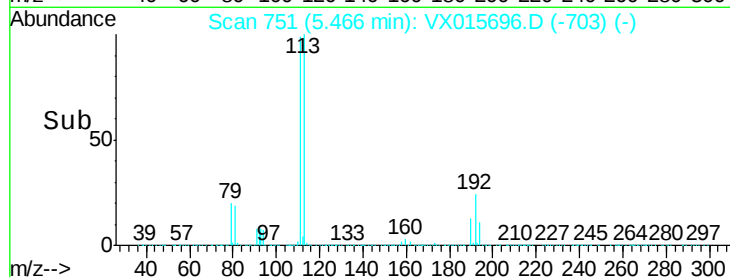
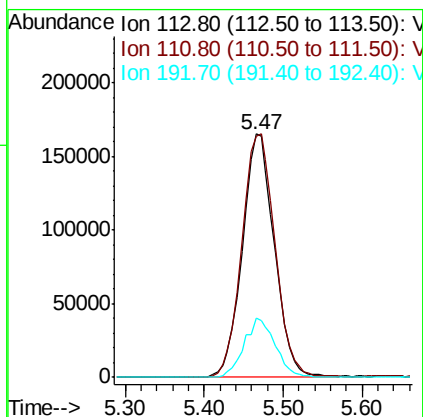
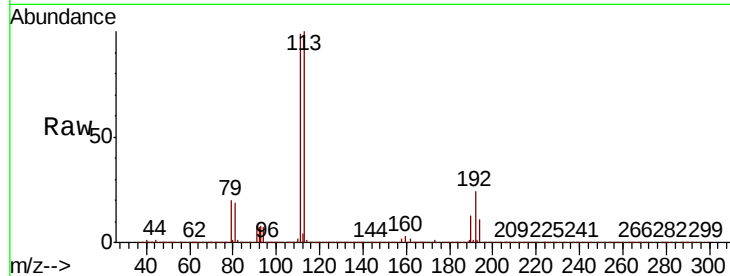




#35
Dibromofluoromethane
Concen: 46.047 ug/l
RT: 5.47 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

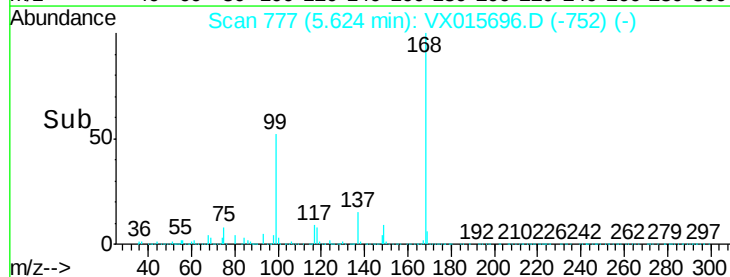
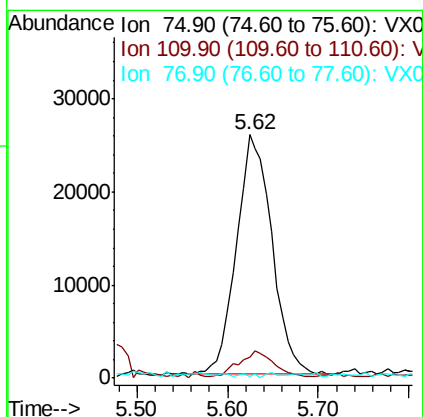
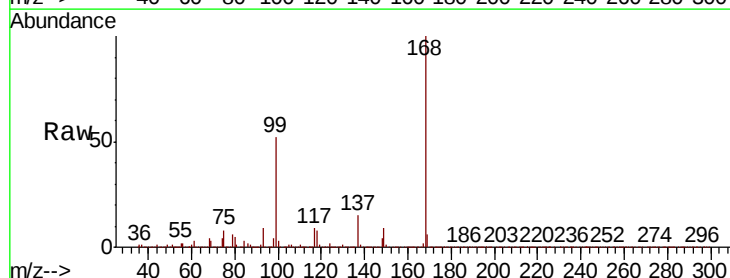
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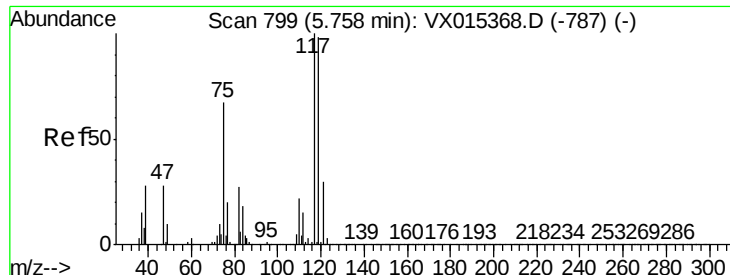
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.5	122.3
192	23.7	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.779 ug/l
RT: 5.62 min Scan# 777
Delta R.T. -0.15 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.1	51.3#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.939 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015696.D

Acq: 15 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0543-200408DL

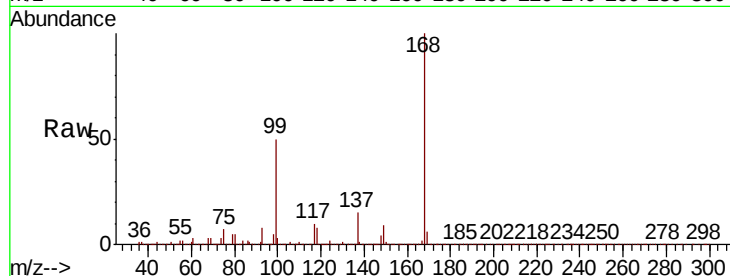
Tot Ion:117 Resp: 93916

Ion Ratio Lower Upper

117 100

119 3.7 78.0 117.0#

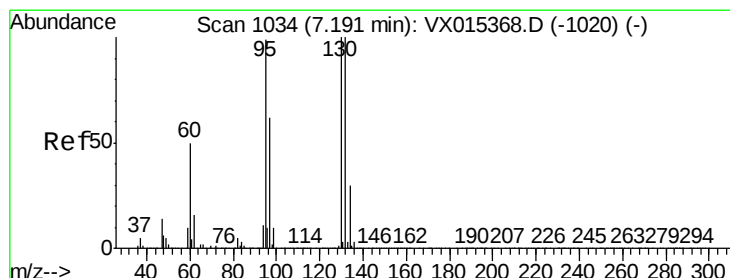
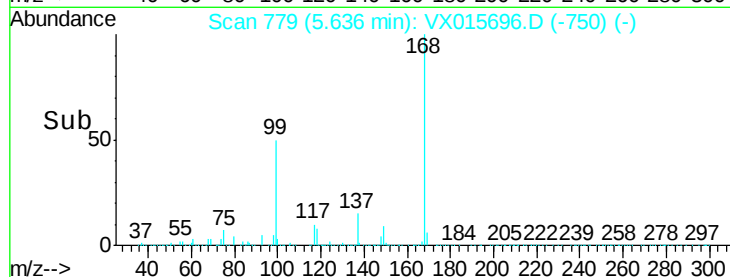
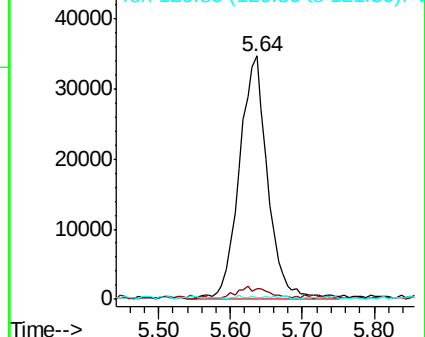
121 0.7 23.8 35.8#



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: 4.329 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015696.D

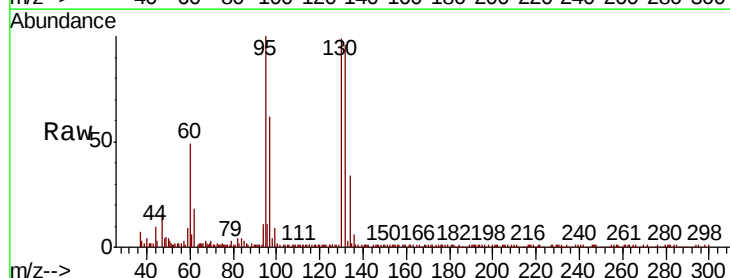
Acq: 15 Apr 2020 20:09

Tgt Ion:130 Resp: 50486

Ion Ratio Lower Upper

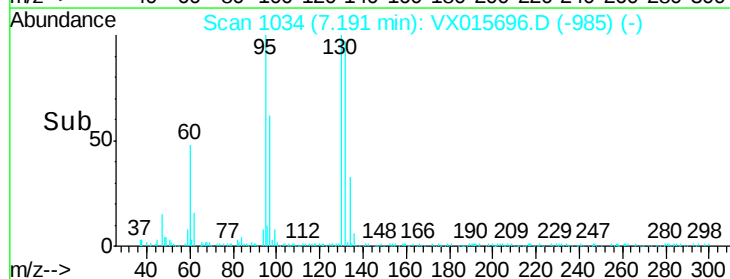
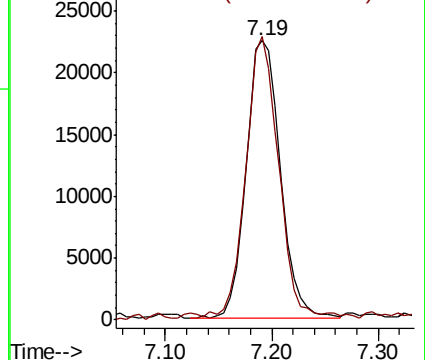
130 100

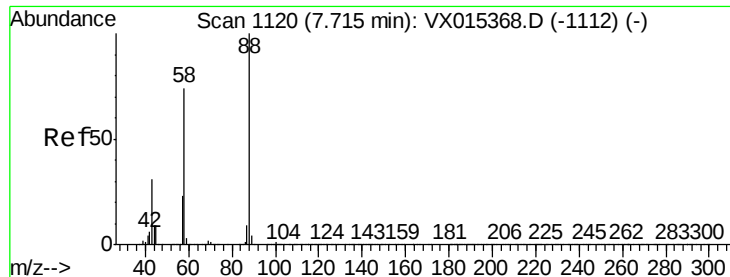
95 101.3 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.823 ug/l

RT: 7.69 min Scan# 1116

Delta R.T. -0.02 min

Lab File: VX015696.D

Acq: 15 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0543-200408DL

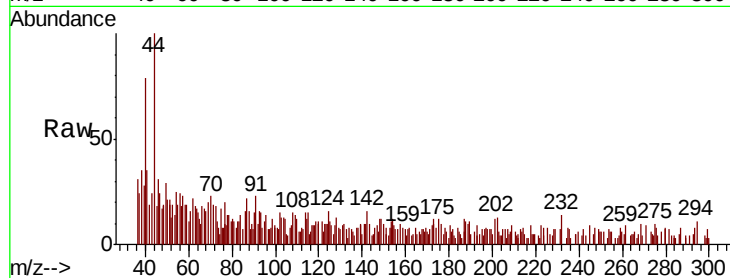
Tot Ion: 88 Resp: 545

Ion Ratio Lower Upper

88 100

43 37.2 30.1 45.1

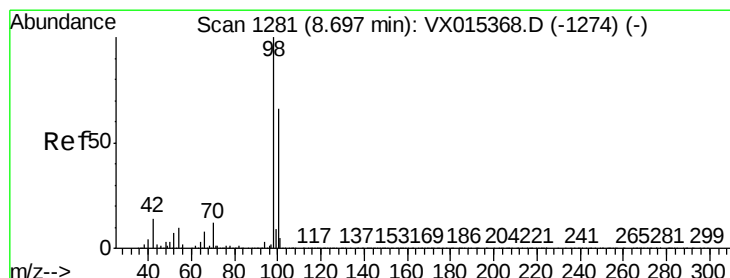
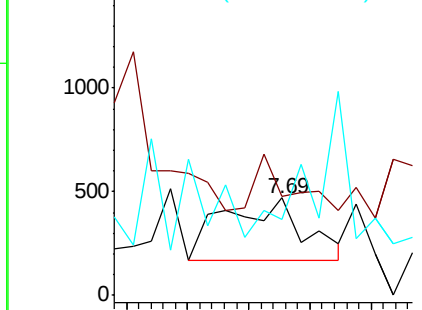
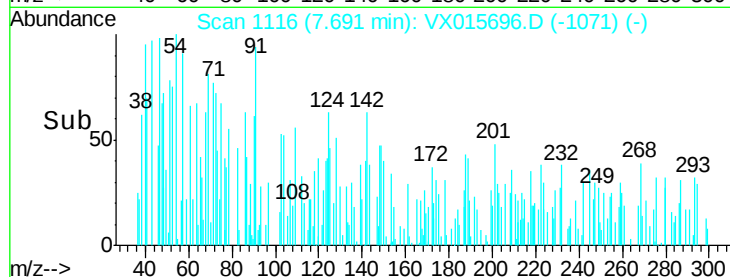
58 0.0 60.6 90.8#



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: 51.298 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015696.D

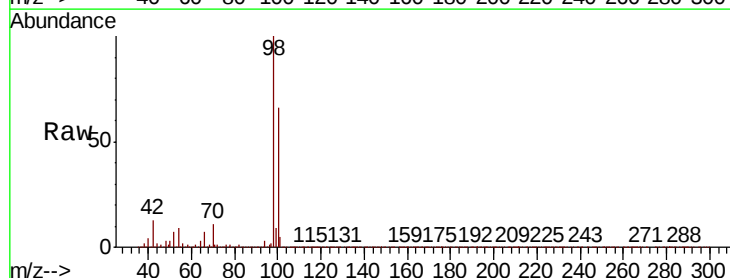
Acq: 15 Apr 2020 20:09

Tgt Ion: 98 Resp: 1912907

Ion Ratio Lower Upper

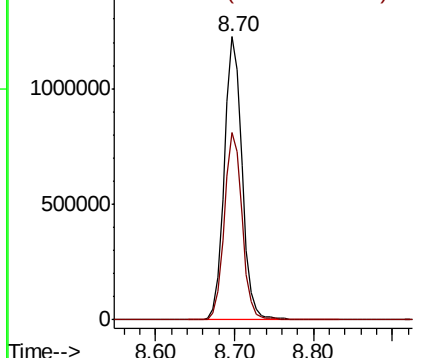
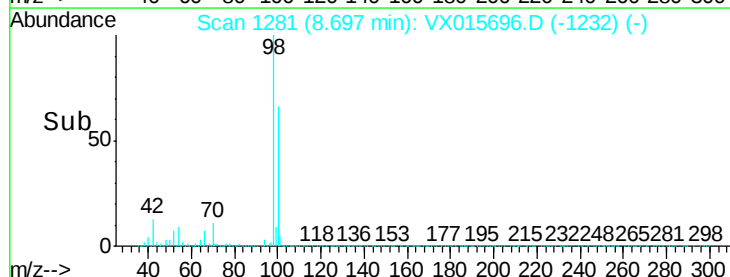
98 100

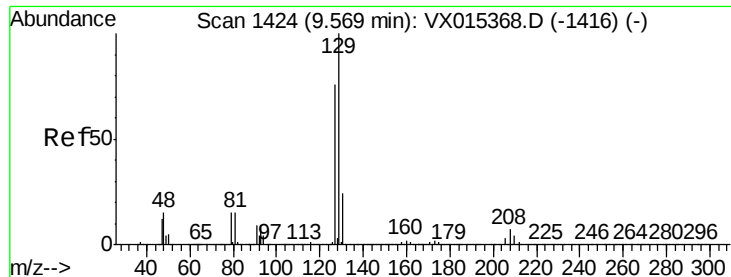
100 66.2 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

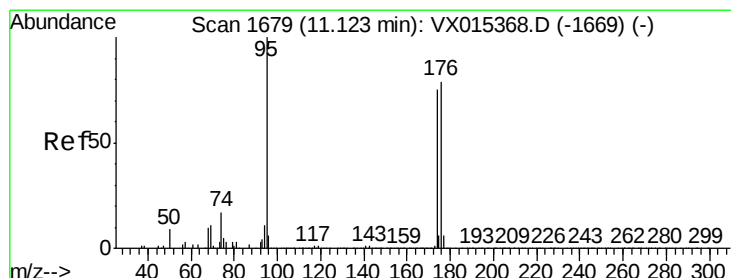
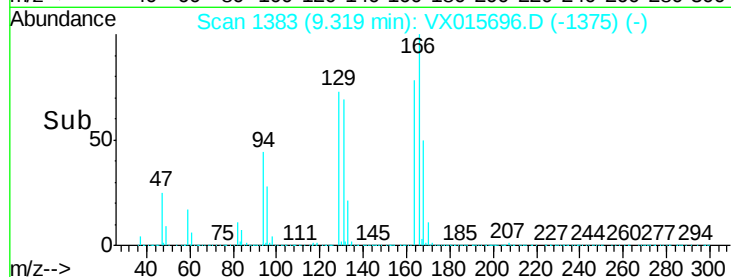
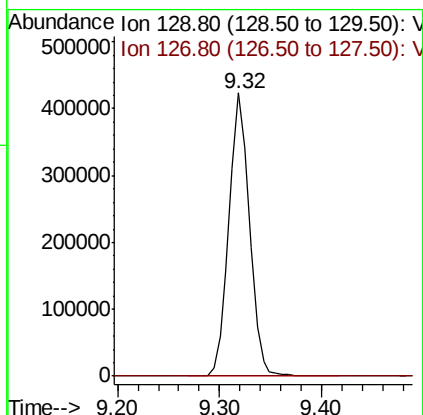
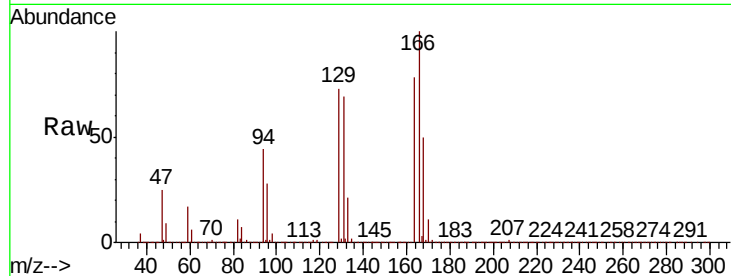




#60
Dibromochloromethane
Concen: 45.271 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.25 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

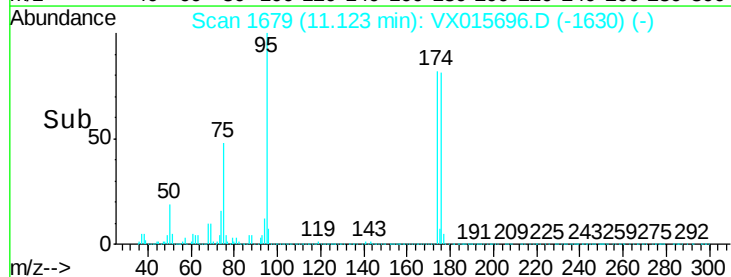
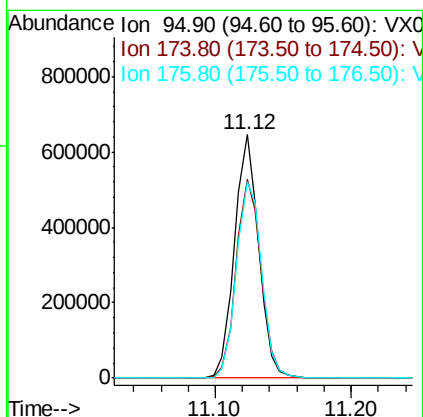
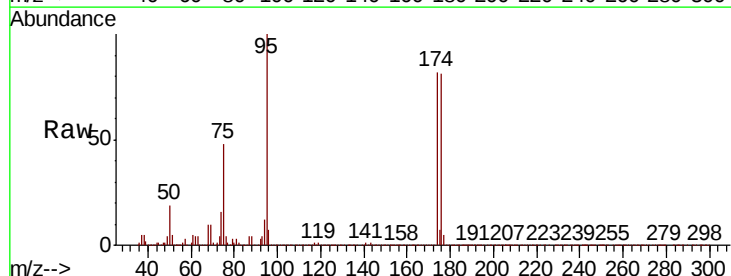
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0543-200408DL

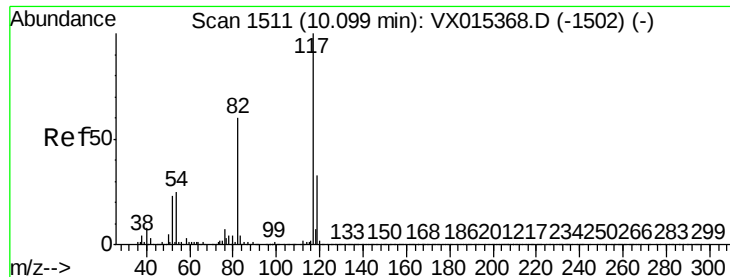
Tot Ion:129 Resp: 587629
Ion Ratio Lower Upper
129 100
127 0.1 38.2 114.6#



#62
4-Bromofluorobenzene
Concen: 52.785 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

Tgt Ion: 95 Resp: 799936
Ion Ratio Lower Upper
95 100
174 84.2 0.0 158.6
176 84.0 0.0 159.0

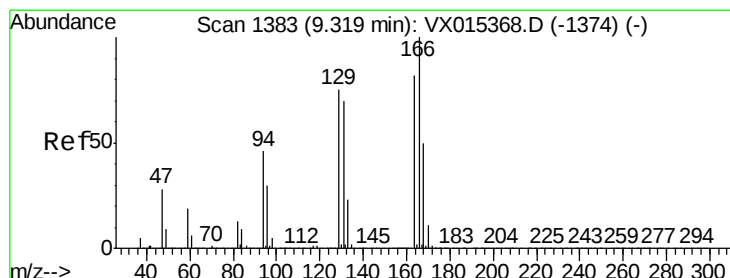
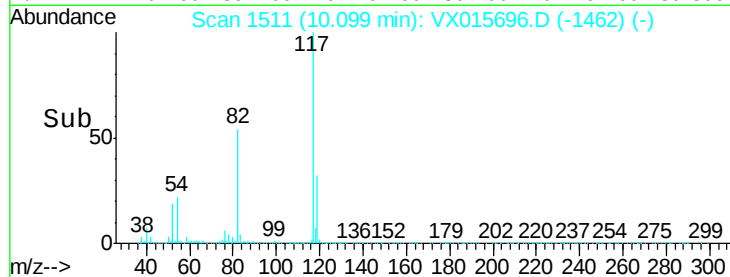
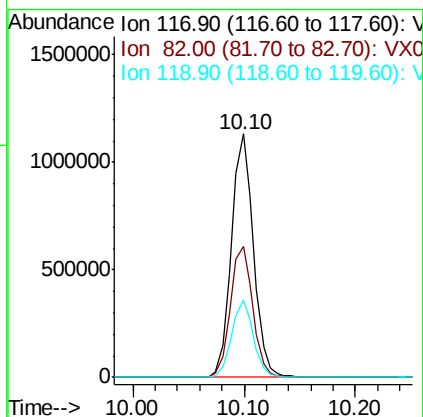
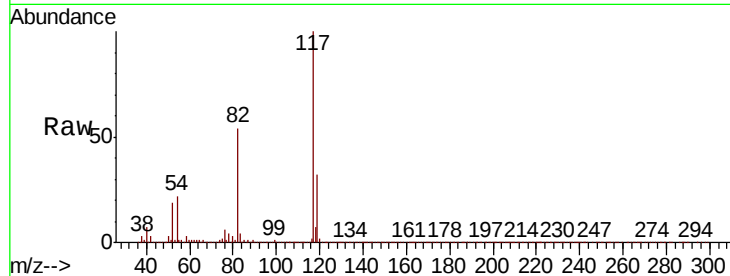




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

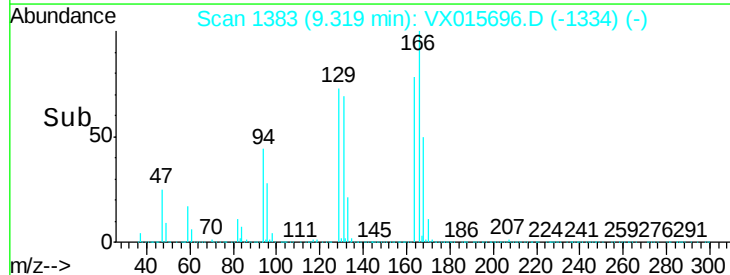
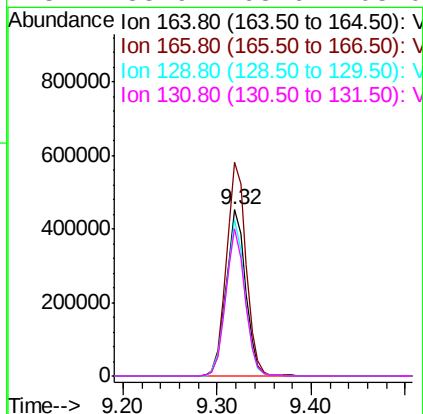
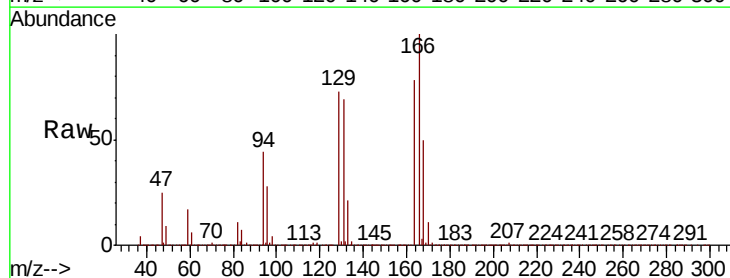
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0543-200408DL

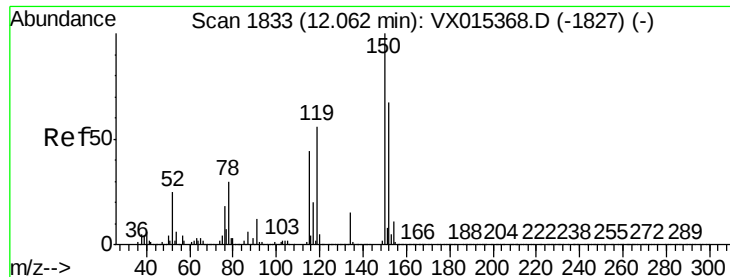
Tot Ion:117 Resp: 1547040
Ion Ratio Lower Upper
117 100
82 53.6 47.8 71.8
119 31.9 26.8 40.2



#64
Tetrachloroethene
Concen: 55.640 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015696.D
Acq: 15 Apr 2020 20:09

Tgt Ion:164 Resp: 649603
Ion Ratio Lower Upper
164 100
166 128.7 97.8 146.6
129 93.7 73.0 109.4
131 88.9 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015696.D

Acq: 15 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0543-200408DL

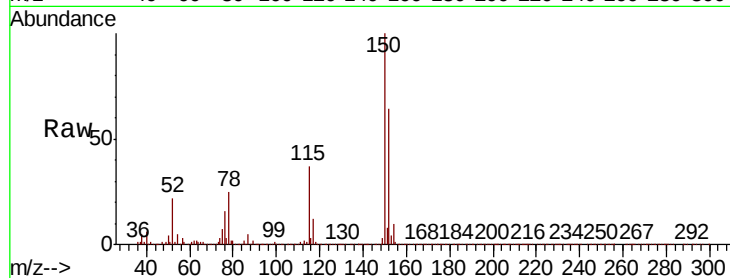
Tot Ion:152 Resp: 889869

Ion Ratio Lower Upper

152 100

115 55.2 39.0 116.9

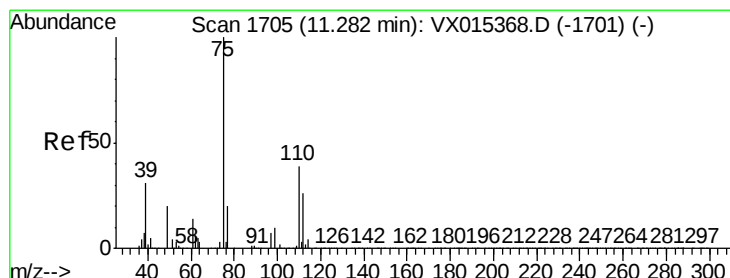
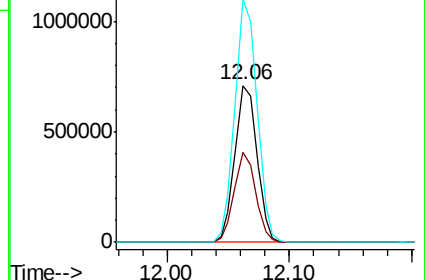
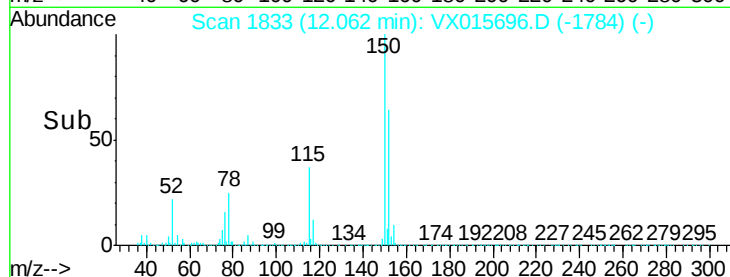
150 154.1 0.0 340.8



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: 21.967 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015696.D

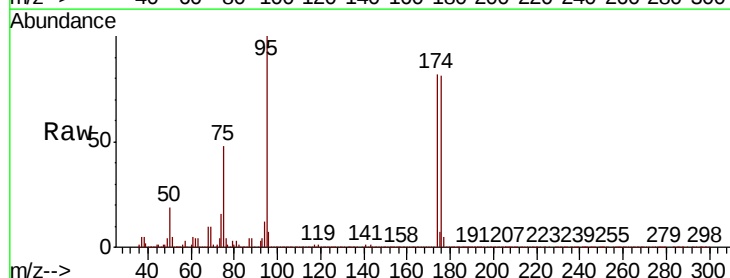
Acq: 15 Apr 2020 20:09

Tgt Ion: 75 Resp: 401986

Ion Ratio Lower Upper

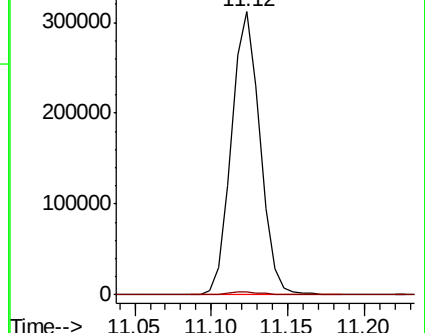
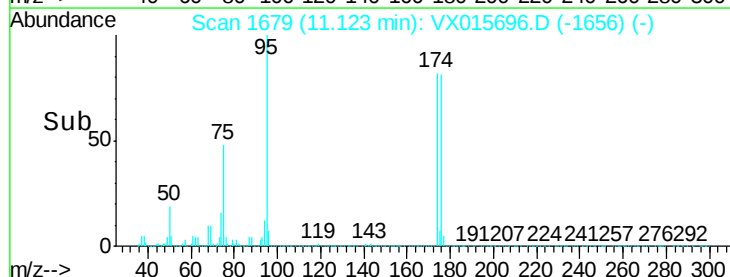
75 100

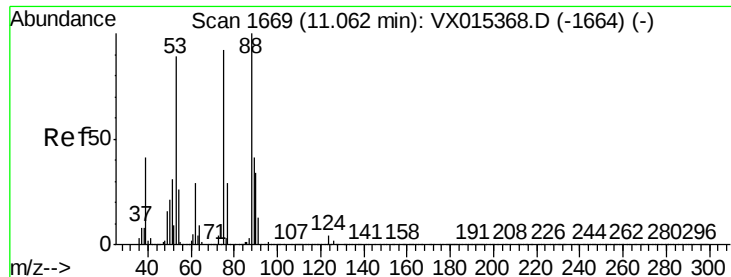
77 1.2 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.709 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015696.D

Acq: 15 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0543-200408DL

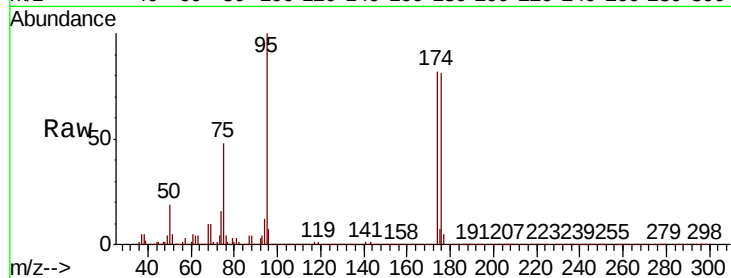
Tot Ion: 75 Resp: 401986

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

