

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040220\
 Data File : VX015495.D
 Acq On : 02 Apr 2020 20:16
 Operator : JC/SP
 Sample : L2108-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-70-71-COMP

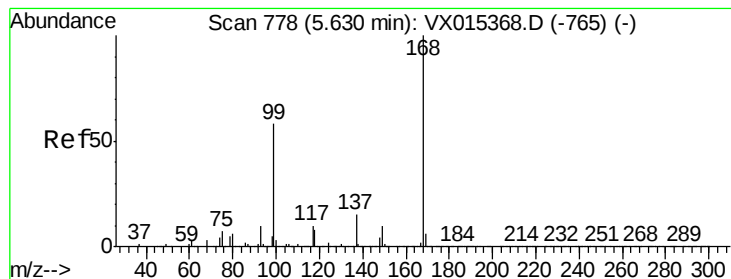
Quant Time: Apr 03 08:04:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1065381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1721492	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1662556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	891545	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	733841	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.47	113	552867	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	8.70	98	2099800	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	11.12	95	913157	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	232	Below Cal	#	8
11) Tert butyl alcohol	3.00	59	16069	4.468	ug/l #	85
16) Acetone	2.42	43	49594	7.682	ug/l	99
18) Methyl Acetate	2.75	43	13397	0.813	ug/l #	91
20) Methylene Chloride	2.84	84	22721	1.884	ug/l	97
25) 2-Butanone	4.65	43	27665	2.665	ug/l	97
36) 1,1-Dichloropropene	5.64	75	84268	5.313	ug/l #	53
37) Ethyl Acetate	4.65	43	27665	1.340	ug/l #	88
38) Carbon Tetrachloride	5.63	117	104346	6.074	ug/l #	15
43) Isopropyl Acetate	6.42	43	329885	9.462	ug/l	99
48) Methyl methacrylate	7.66	41	16586	0.952	ug/l #	20
49) 1,4-Dioxane	7.72	88	953	2.934	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	305178	15.446	ug/l #	51
54) cis-1,3-Dichloropropene	8.60	75	122966	5.793	ug/l #	56
59) 2-Hexanone	9.53	43	325910	21.848	ug/l #	52
74) N-amyl acetate	10.81	43	18119	0.558	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	469246	25.594	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	469246	61.413	ug/l #	10
95) Naphthalene	13.82	128	72930	1.107	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

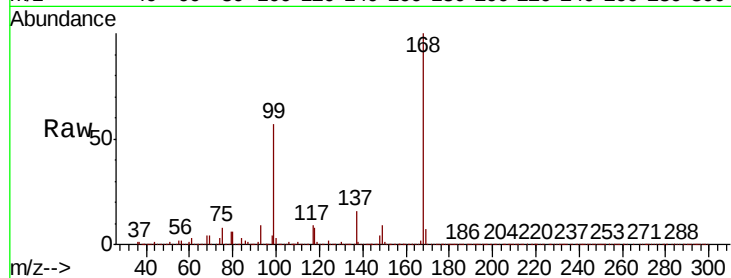
TP-70-71-COMP

Tot Ion:168 Resp: 1065381

Ion Ratio Lower Upper

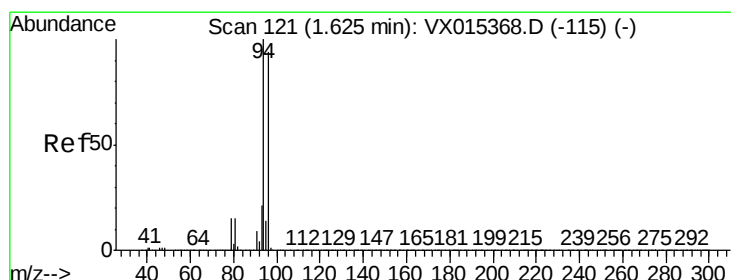
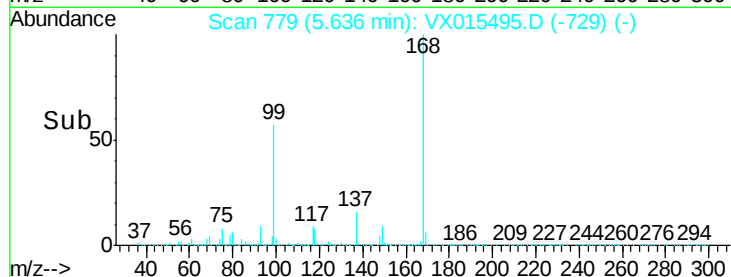
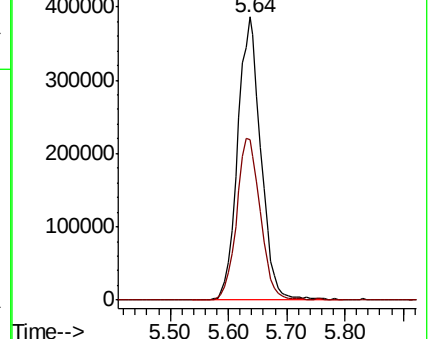
168 100

99 56.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015495.D

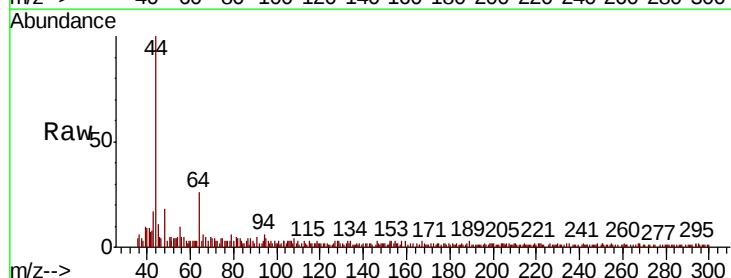
Acq: 02 Apr 2020 20:16

Tgt Ion: 94 Resp: 232

Ion Ratio Lower Upper

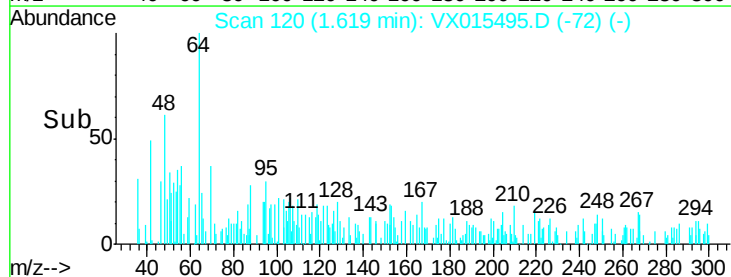
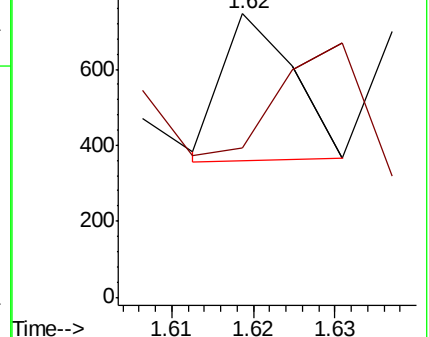
94 100

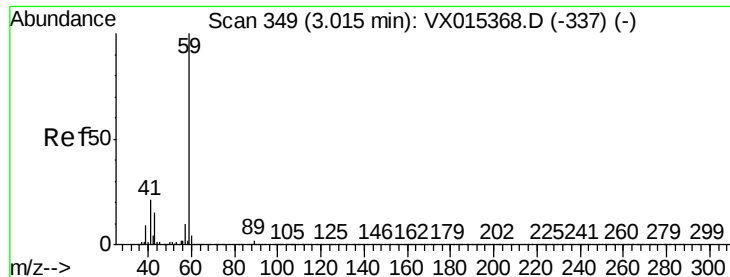
96 5.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

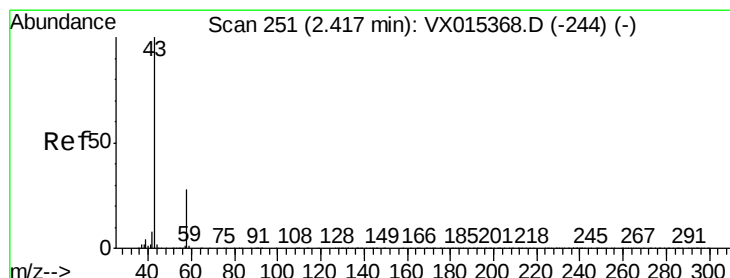
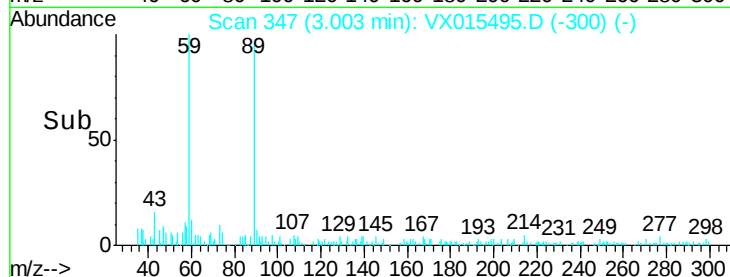
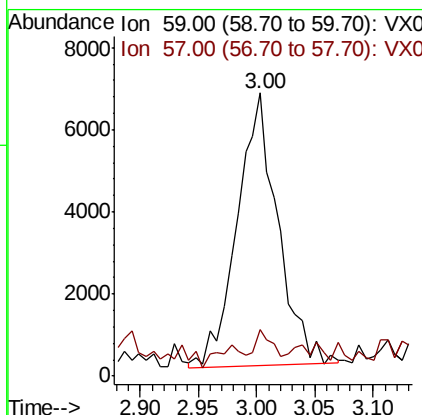
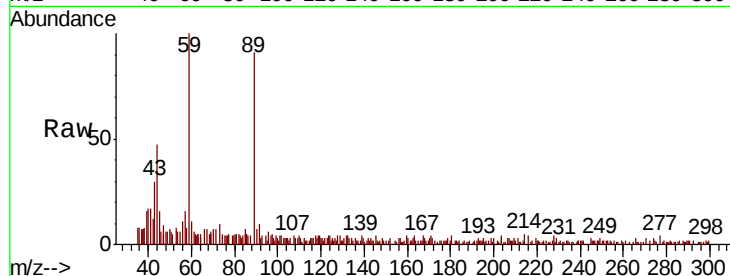




#11
Tert butyl alcohol
Concen: 4.468 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015495.D
Acq: 02 Apr 2020 20:16

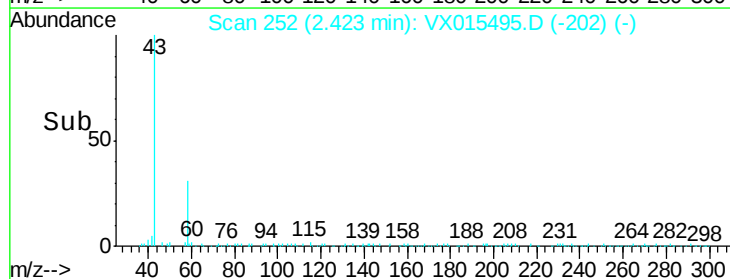
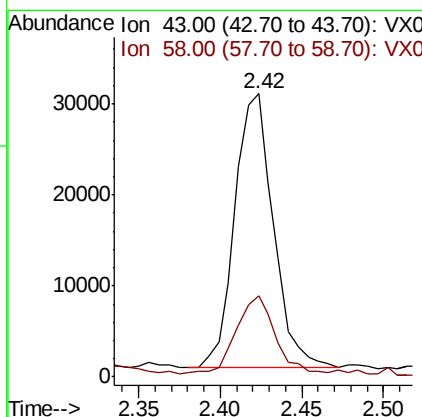
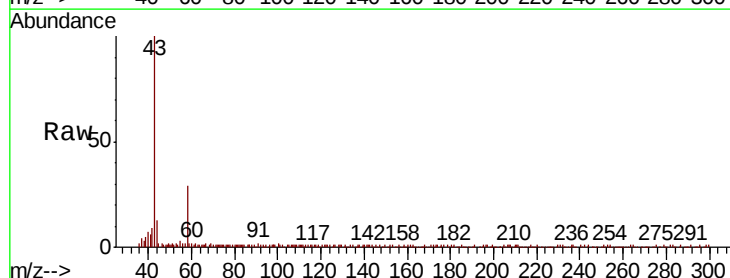
Instrument :
MSVOA_X
ClientSampleId :
TP-70-71-COMP

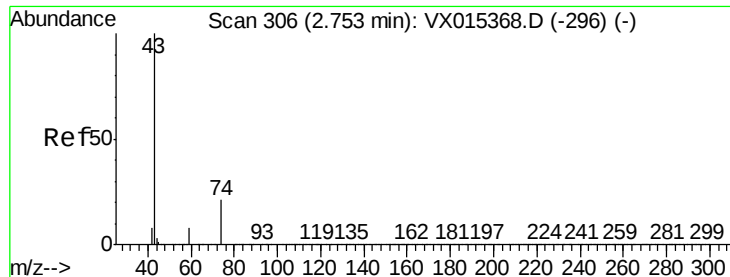
Tot Ion: 59 Resp: 16069
Ion Ratio Lower Upper
59 100
57 4.5 8.1 12.1#



#16
Acetone
Concen: 7.682 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015495.D
Acq: 02 Apr 2020 20:16

Tgt Ion: 43 Resp: 49594
Ion Ratio Lower Upper
43 100
58 27.9 22.1 33.1

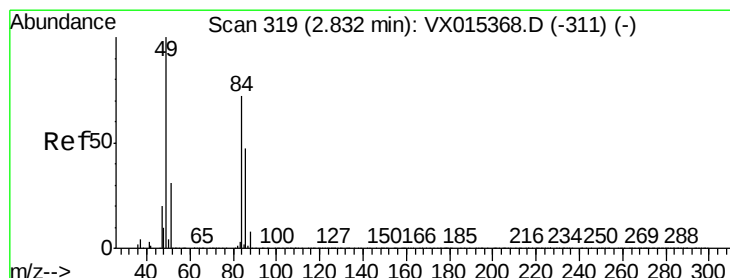
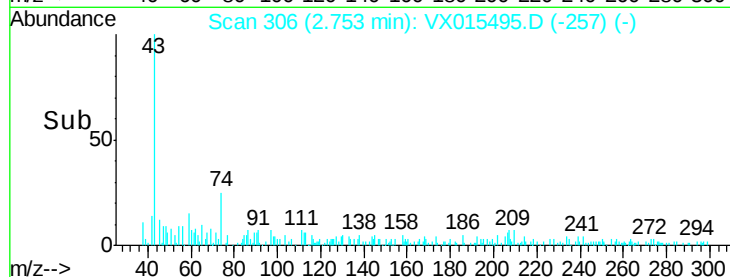
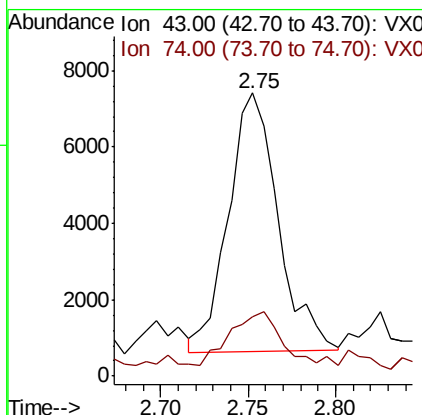
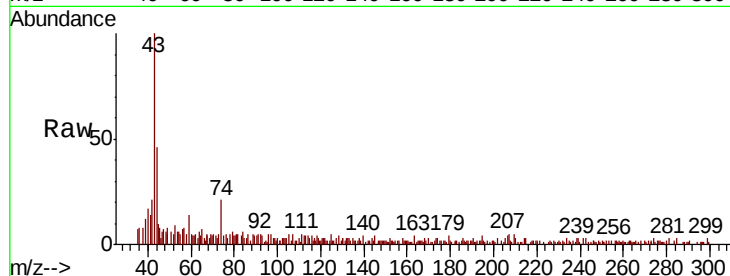




#18
Methvl Acetate
Concen: 0.813 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015495.D
Acq: 02 Apr 2020 20:16

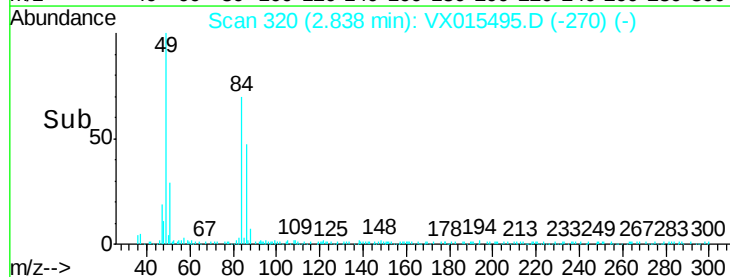
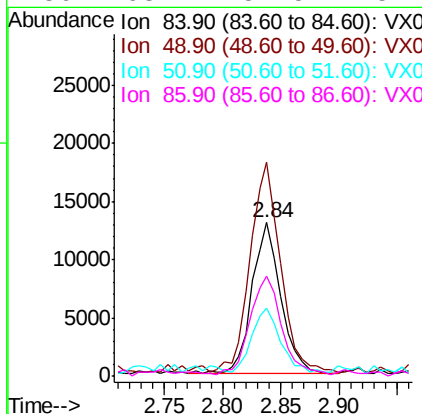
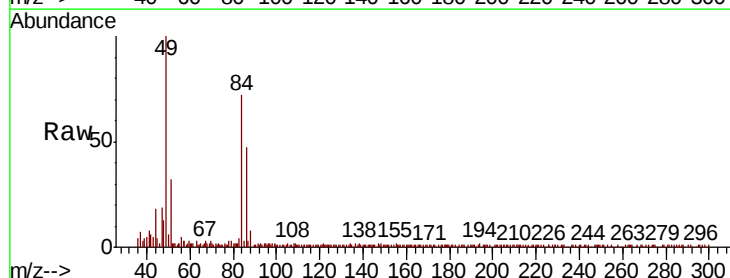
Instrument :
MSVOA_X
ClientSampleId :
TP-70-71-COMP

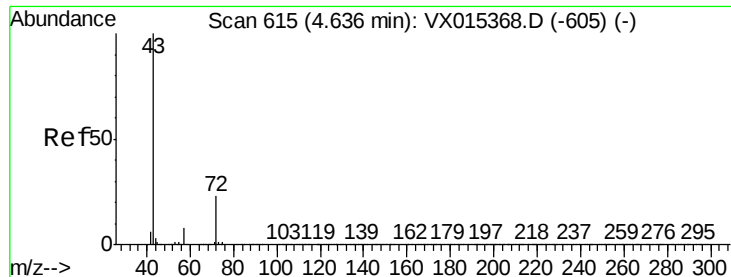
Tot Ion: 43 Resp: 13397
Ion Ratio Lower Upper
43 100
74 24.9 16.5 24.7#



#20
Methylene Chloride
Concen: 1.884 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015495.D
Acq: 02 Apr 2020 20:16

Tgt Ion: 84 Resp: 22721
Ion Ratio Lower Upper
84 100
49 137.9 111.3 166.9
51 37.5 34.0 51.0
86 63.4 52.5 78.7





#25

2-Butanone

Concen: 2.665 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.02 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

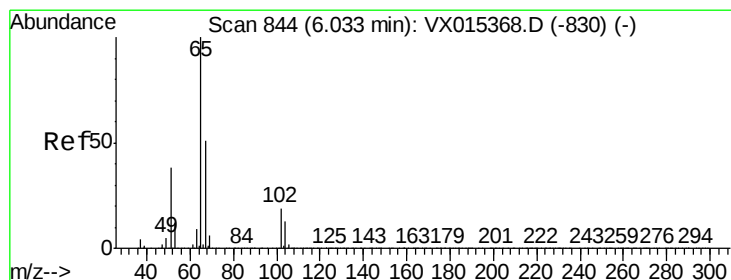
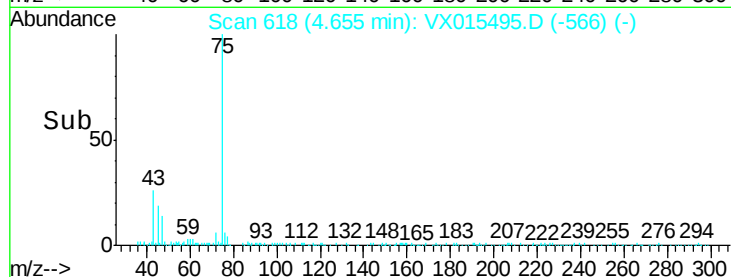
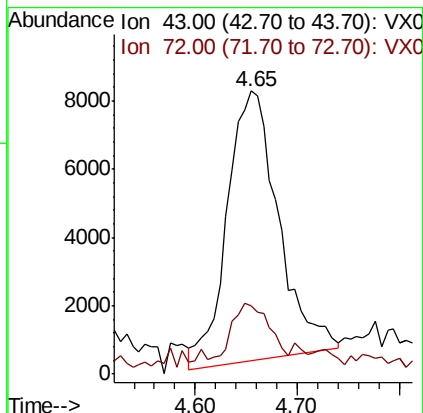
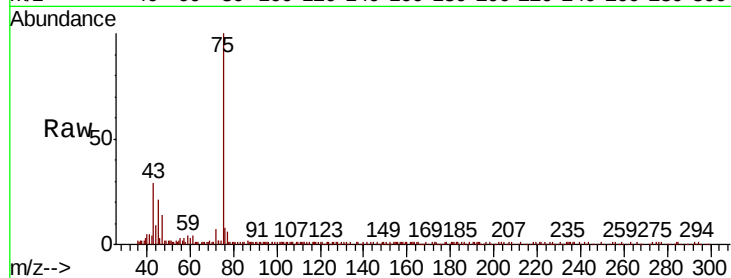
TP-70-71-COMP

Tot Ion: 43 Resp: 27665

Ion Ratio Lower Upper

43 100

72 22.3 19.0 28.4



#33

1,2-Dichloroethane-d4

Concen: 48.838 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015495.D

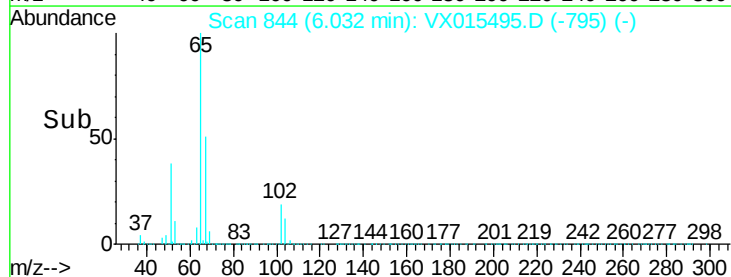
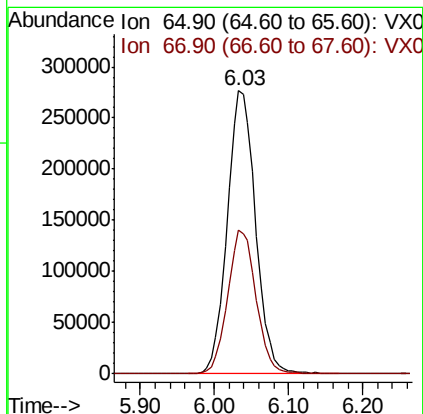
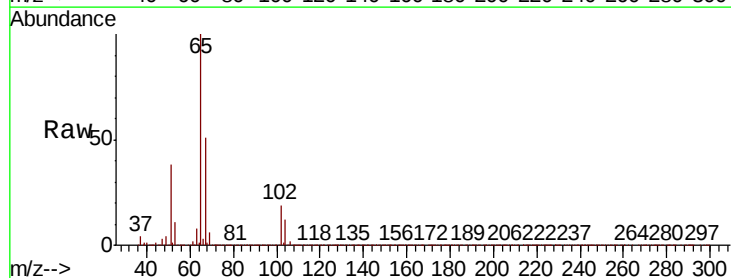
Acq: 02 Apr 2020 20:16

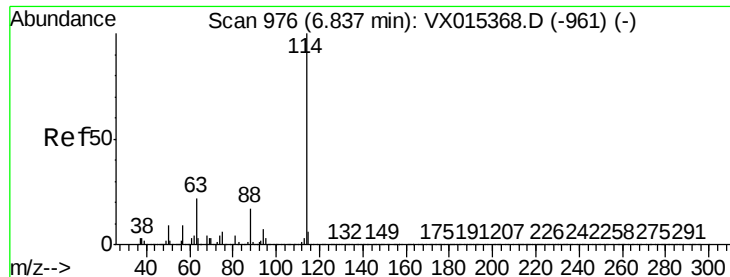
Tgt Ion: 65 Resp: 733841

Ion Ratio Lower Upper

65 100

67 50.5 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: VX015495.D

Acq: 02 Apr 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

TP-70-71-COMP

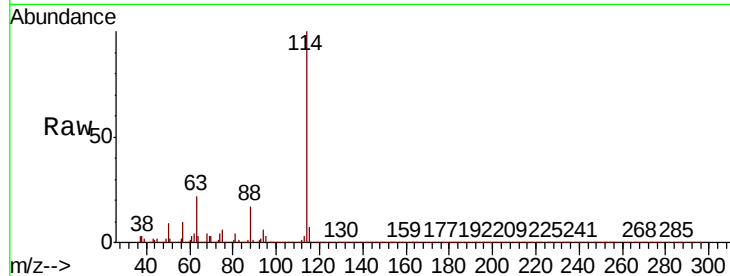
Tot Ion:114 Resp: 1721492

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.2

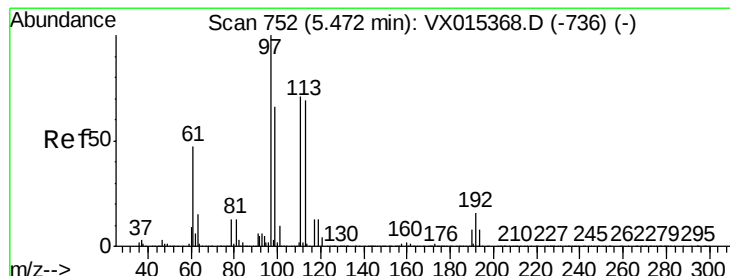
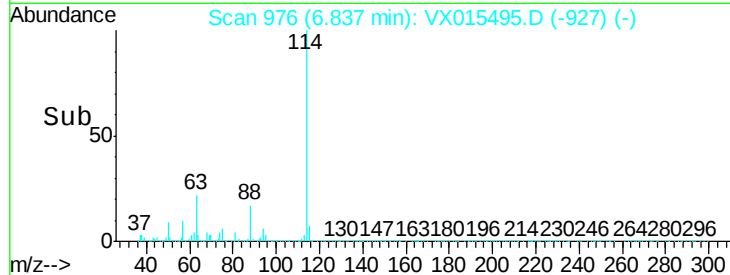
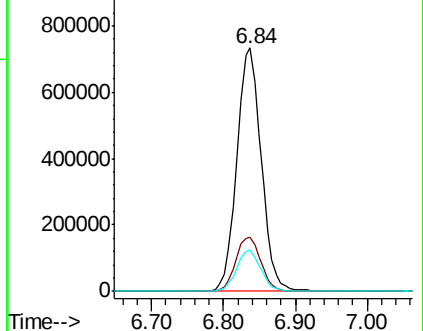
88 17.1 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.241 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

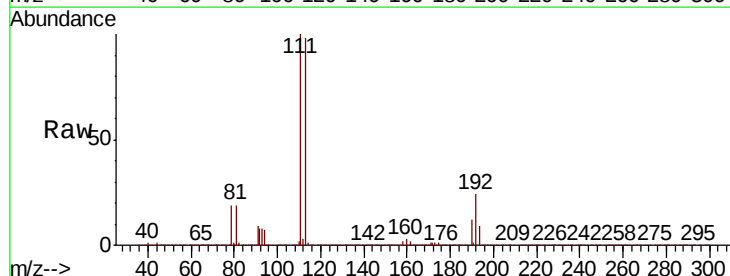
Tgt Ion:113 Resp: 552867

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

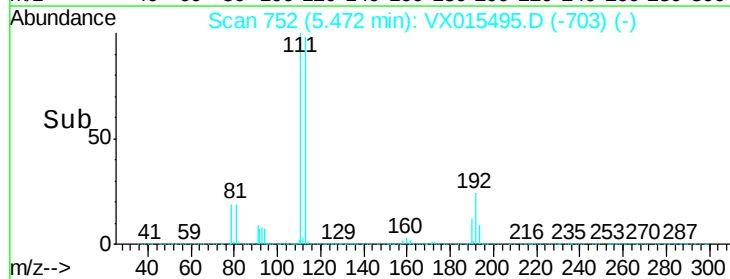
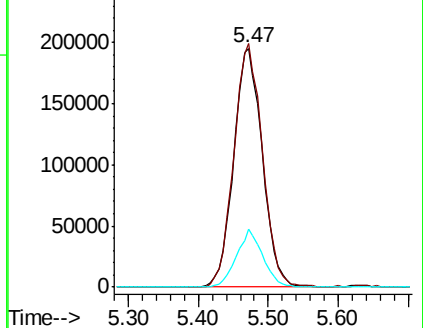
192 22.4 17.8 26.6

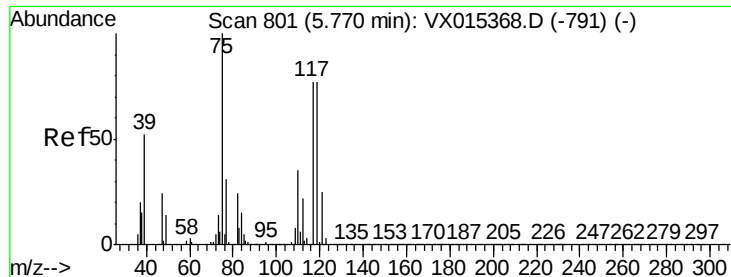


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

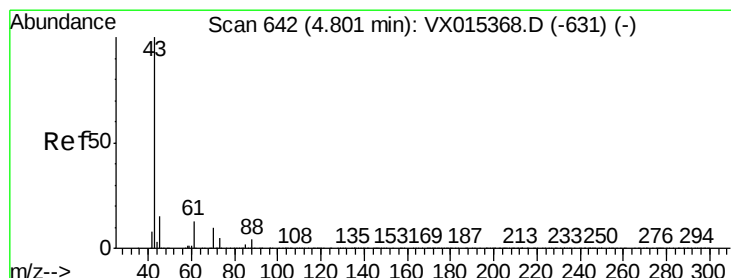
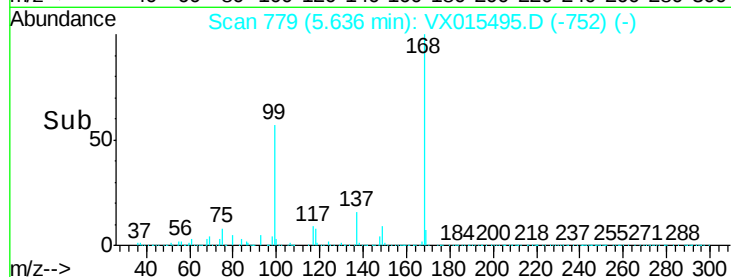
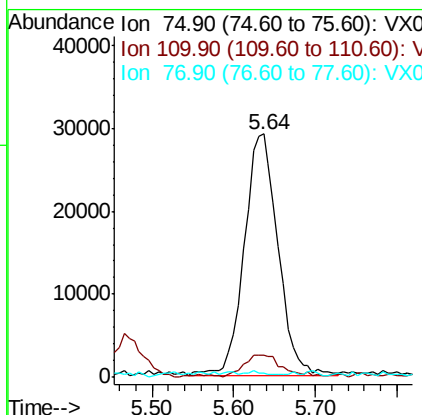
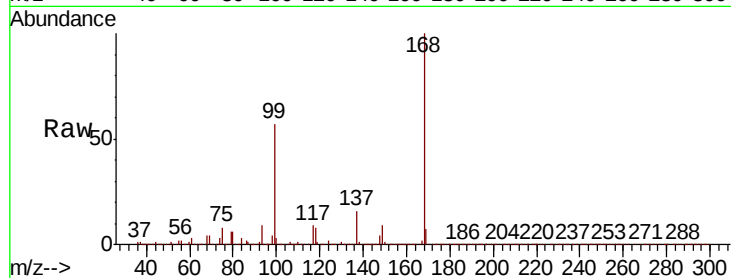




#36
 1,1-Dichloropropene
 Concen: 5.313 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015495.D
 Acq: 02 Apr 2020 20:16

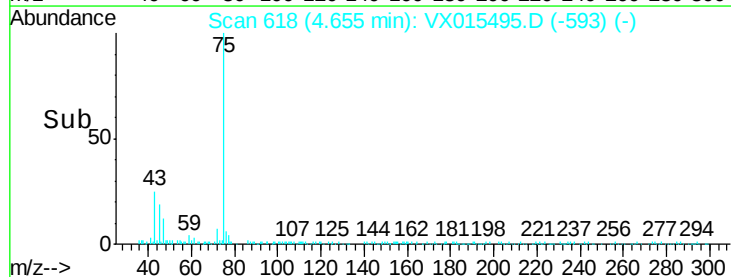
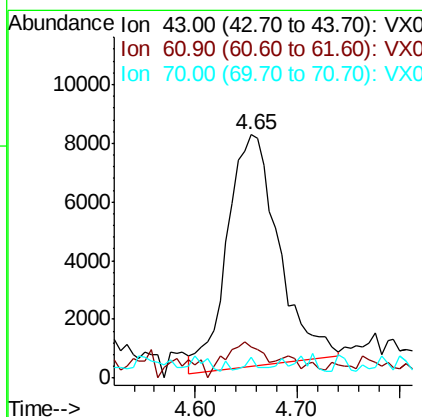
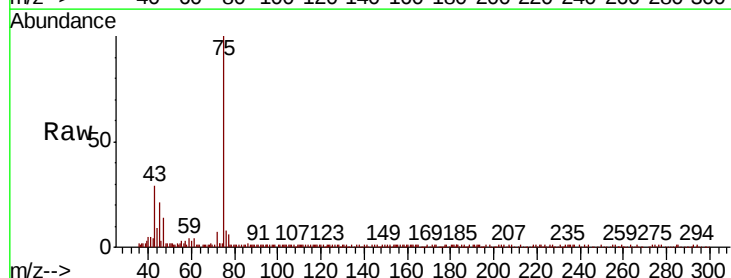
Instrument :
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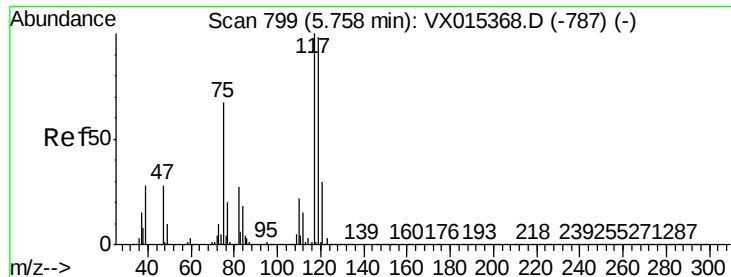
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.1	51.3#
77	1.3	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 1.340 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.15 min
 Lab File: VX015495.D
 Acq: 02 Apr 2020 20:16

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.9	14.9
70	1.1	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 6.074 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

TP-70-71-COMP

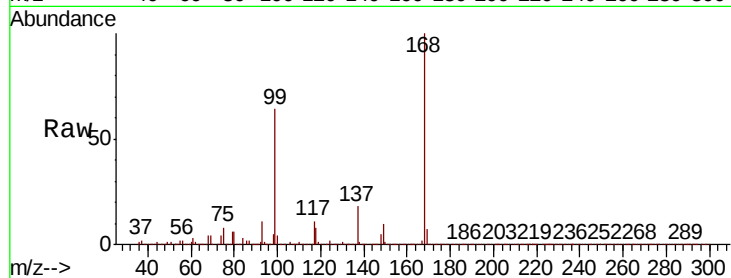
Tot Ion:117 Resp: 104346

Ion Ratio Lower Upper

117 100

119 3.9 78.0 117.0#

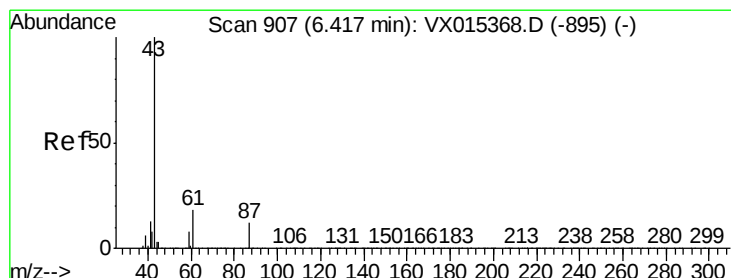
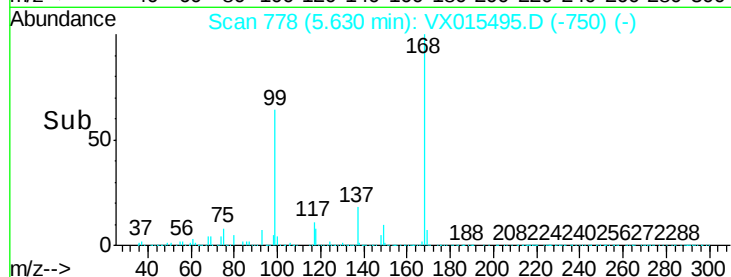
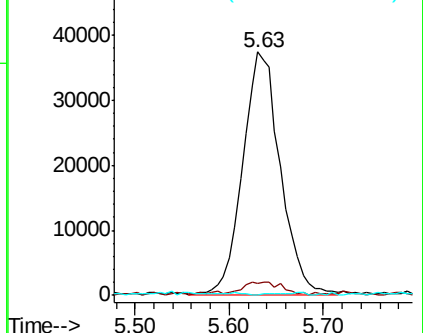
121 0.5 23.8 35.8#



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



#43

Isopropyl Acetate

Concen: 9.462 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

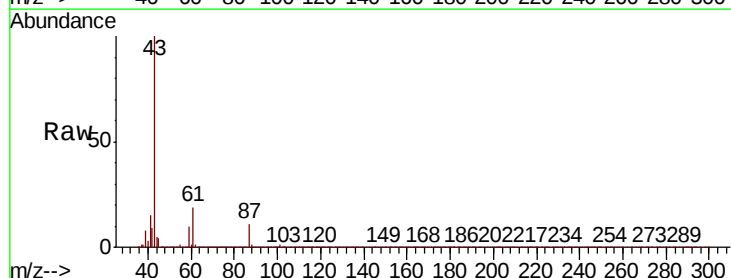
Tgt Ion: 43 Resp: 329885

Ion Ratio Lower Upper

43 100

61 18.2 14.8 22.2

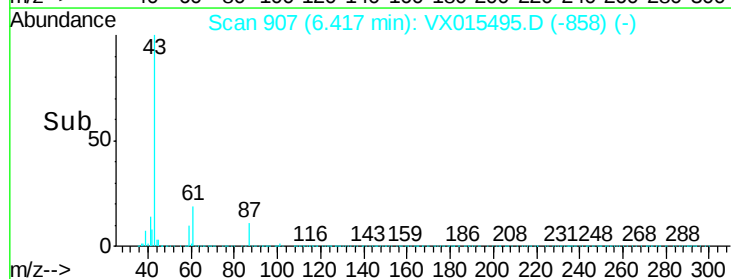
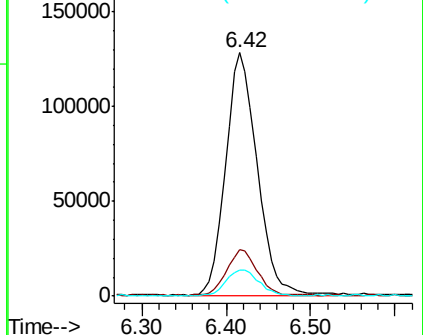
87 11.6 9.4 14.0

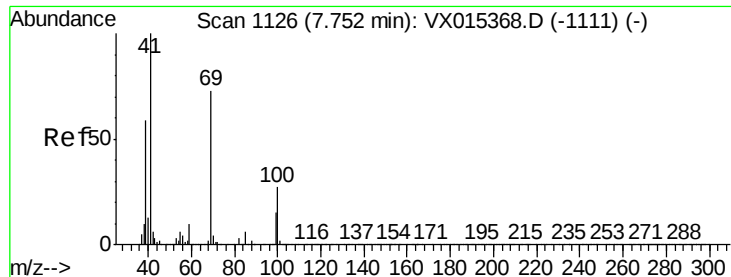


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

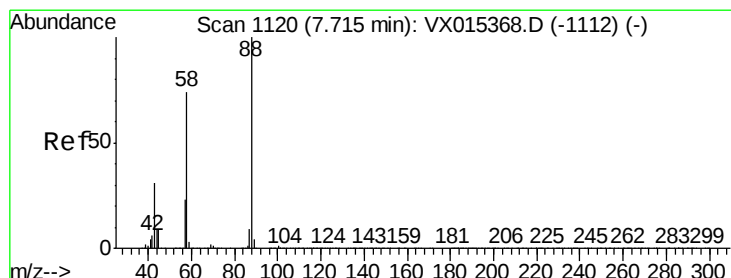
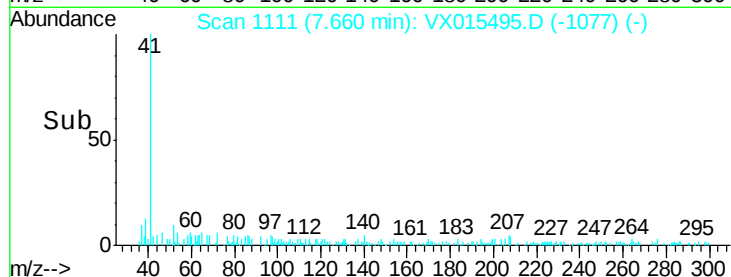
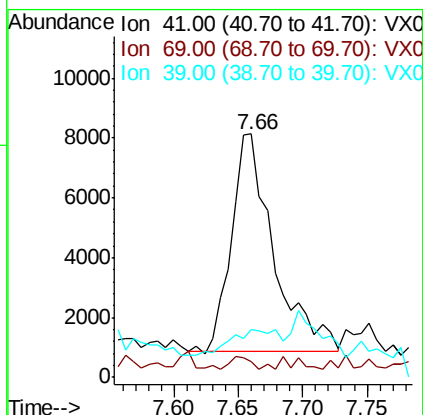
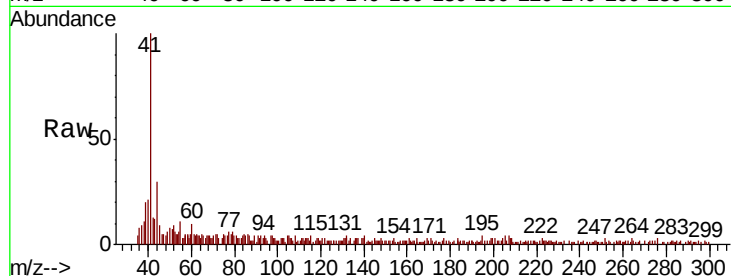




#48
Methyl methacrylate
Concen: 0.952 ug/l
RT: 7.66 min Scan# 1111
Delta R.T. -0.09 min
Lab File: VX015495.D
Acq: 02 Apr 2020 20:16

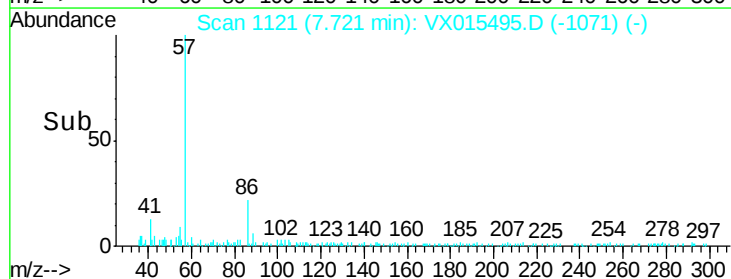
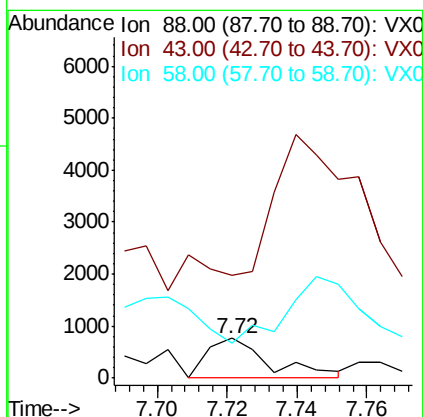
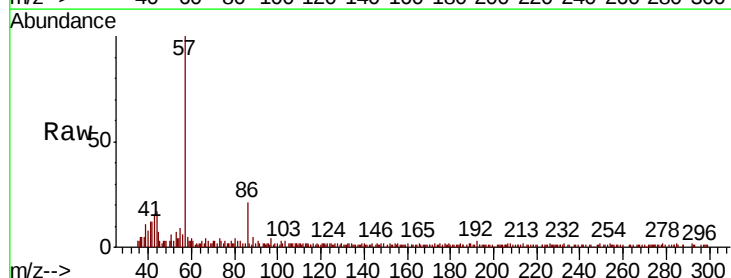
Instrument :
MSVOA_X
ClientSampled :
TP-70-71-COMP

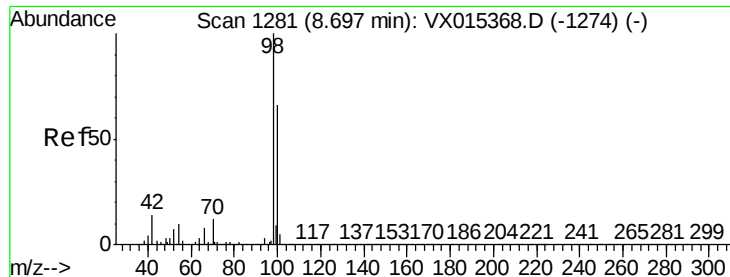
Tot Ion	Ratio	Lower	Upper
41	100		
69	2.8	56.7	85.1#
39	0.0	46.5	69.7#



#49
1,4-Dioxane
Concen: 2.934 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VX015495.D
Acq: 02 Apr 2020 20:16

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	227.0	60.6	90.8#

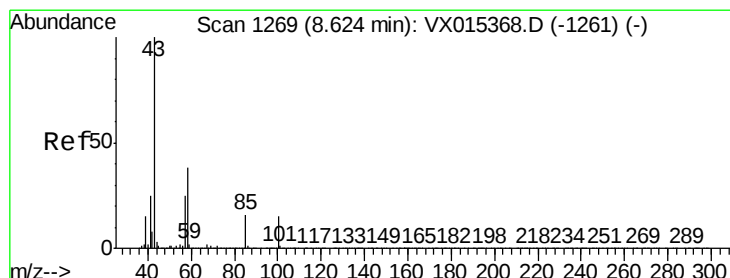
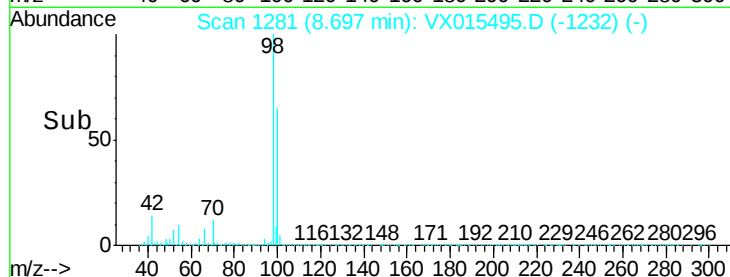
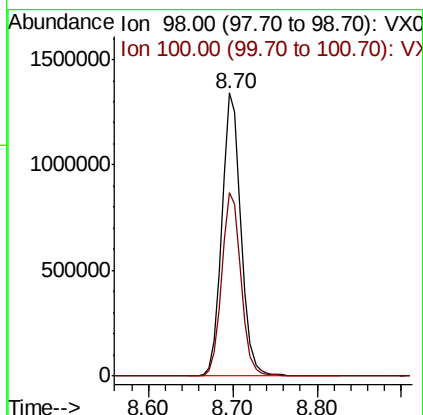
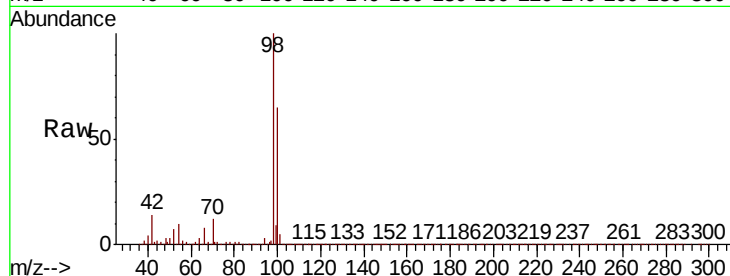




#50
Toluene-d8
Concen: 51.828 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015495.D
Acq: 02 Apr 2020 20:16

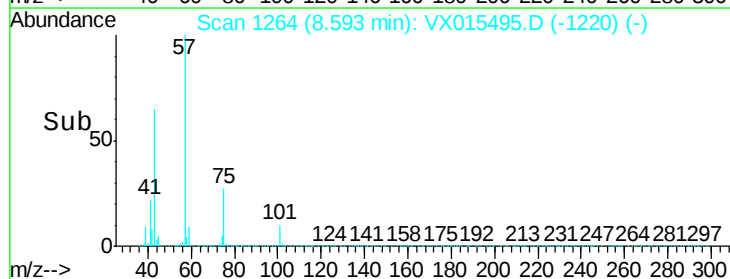
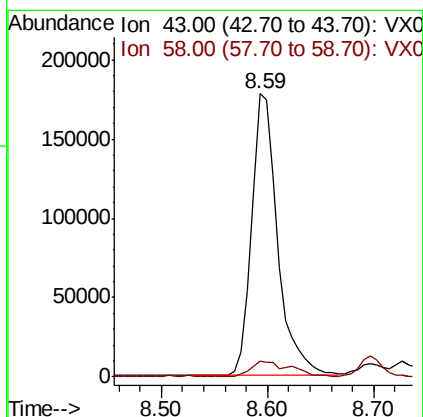
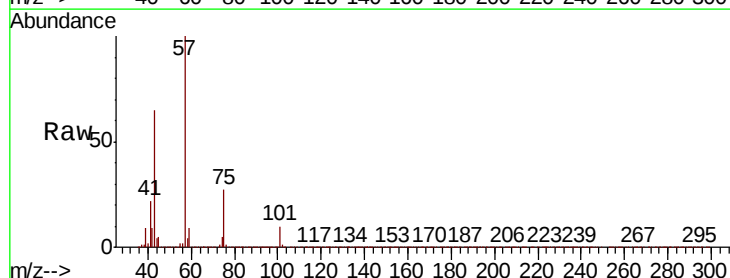
Instrument :
MSVOA_X
ClientSampleId :
TP-70-71-COMP

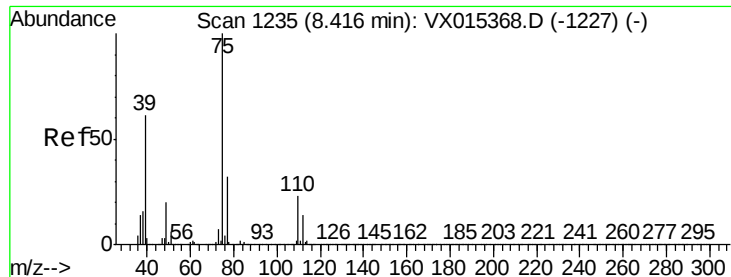
Tot Ion: 98 Resp: 2099800
Ion Ratio Lower Upper
98 100
100 65.4 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 15.446 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015495.D
Acq: 02 Apr 2020 20:16

Tgt Ion: 43 Resp: 305178
Ion Ratio Lower Upper
43 100
58 8.0 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 5.793 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

TP-70-71-COMP

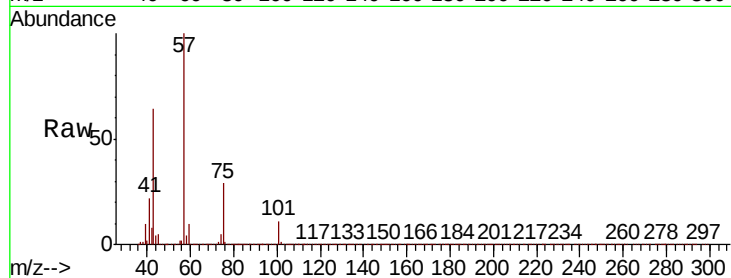
Tot Ion: 75 Resp: 122966

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.6#

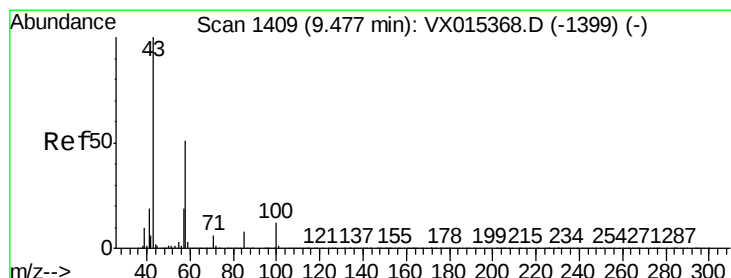
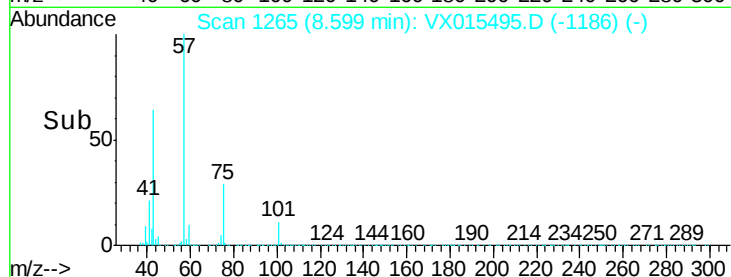
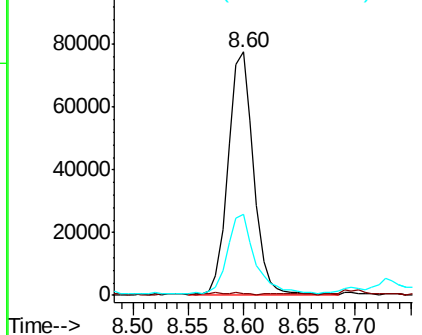
39 32.7 49.0 73.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 21.848 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015495.D

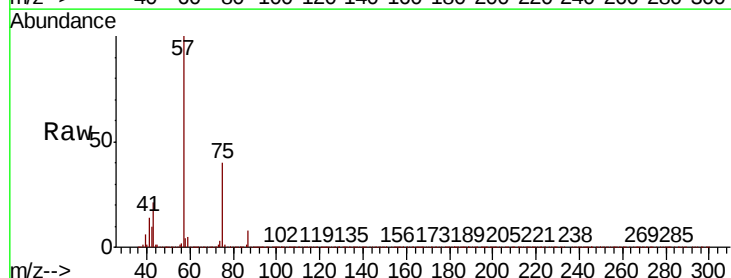
Acq: 02 Apr 2020 20:16

Tgt Ion: 43 Resp: 325910

Ion Ratio Lower Upper

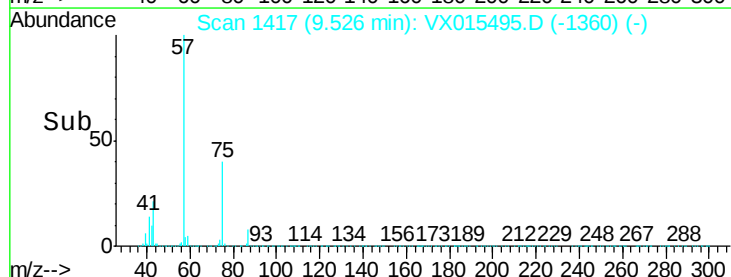
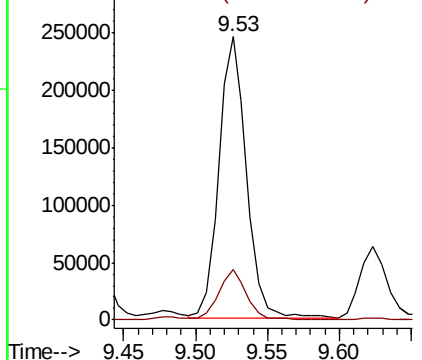
43 100

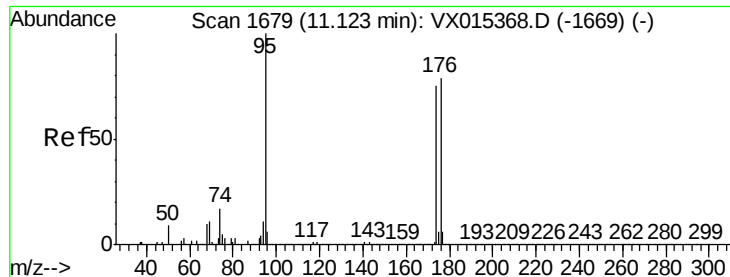
58 17.8 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

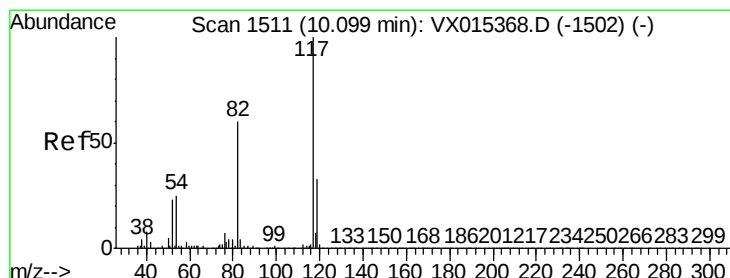
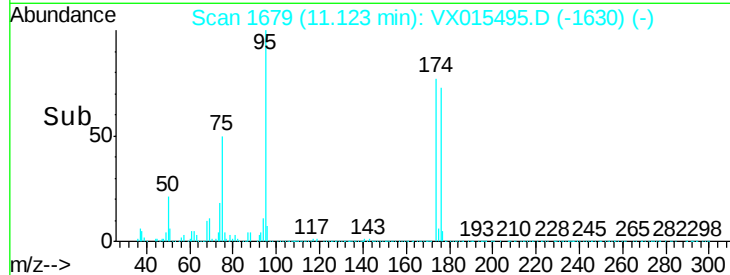
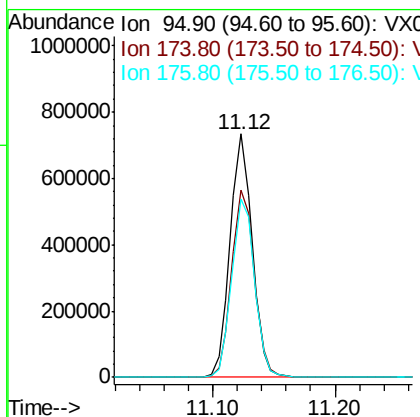
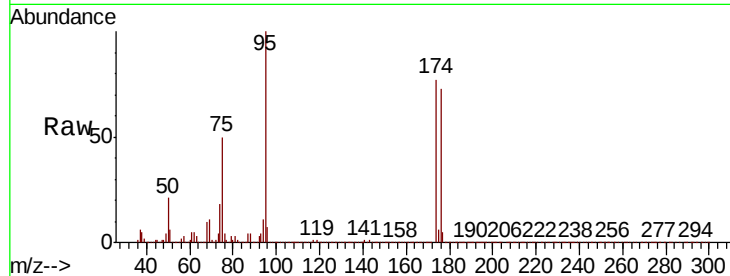




#62
 4-Bromofluorobenzene
 Concen: 55.460 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VX015495.D
 Acq: 02 Apr 2020 20:16

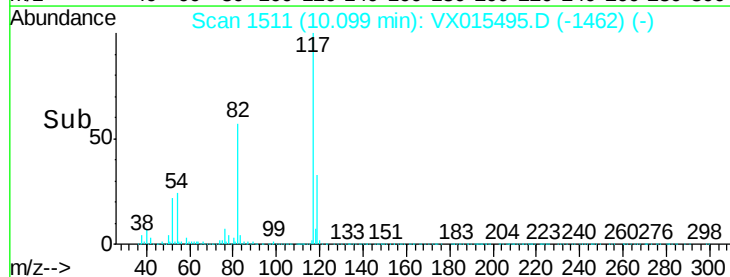
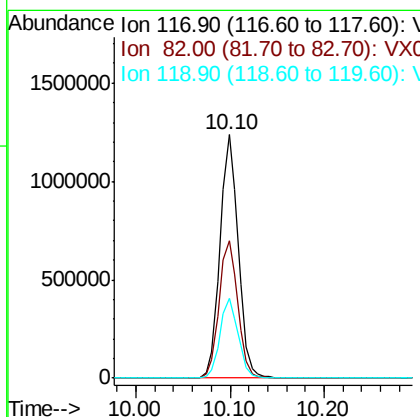
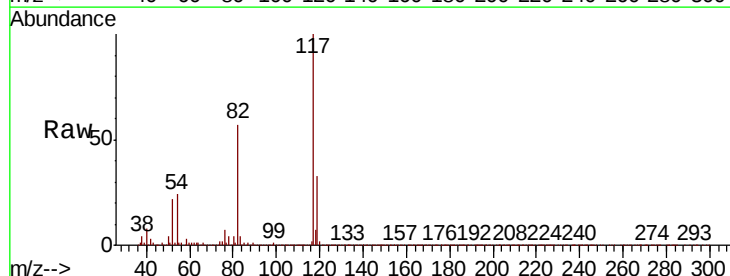
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-70-71-COMP

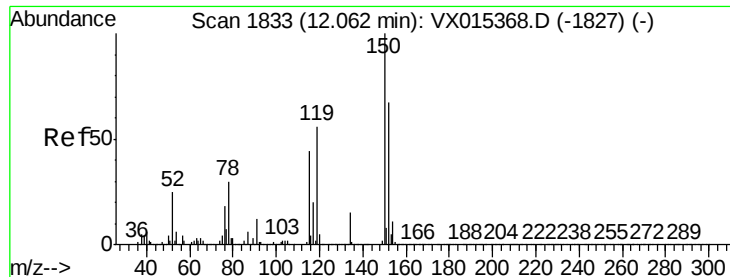
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	158.6
176	75.8	0.0	159.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VX015495.D
 Acq: 02 Apr 2020 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	47.8	71.8
119	33.0	26.8	40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

TP-70-71-COMP

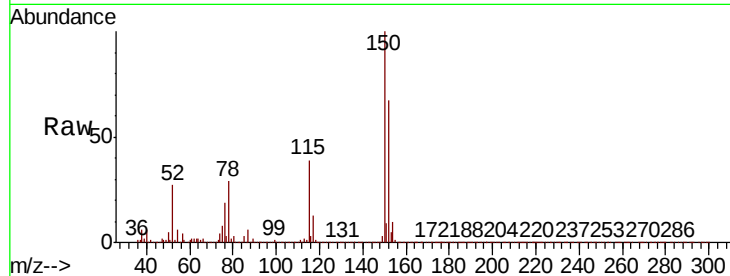
Tot Ion:152 Resp: 891545

Ion Ratio Lower Upper

152 100

115 58.5 39.0 116.9

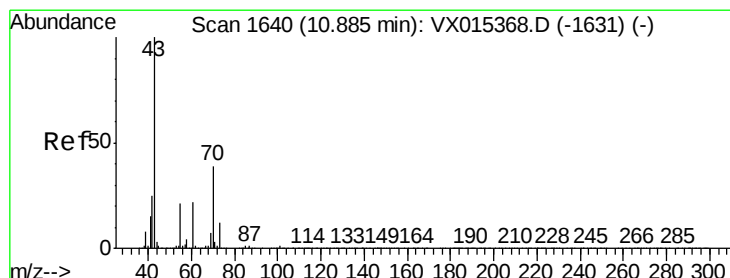
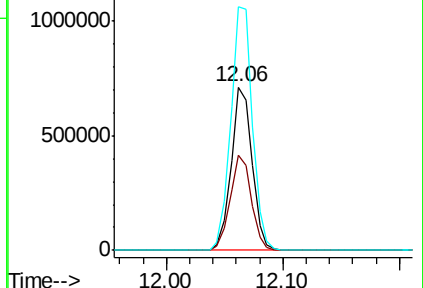
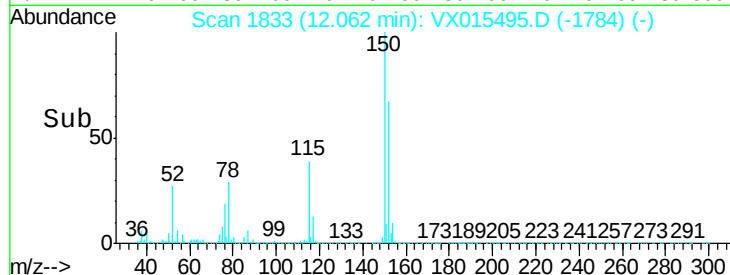
150 154.3 0.0 340.8



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



#74

N-aryl acetate

Concen: 0.558 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

Tgt Ion: 43 Resp: 18119

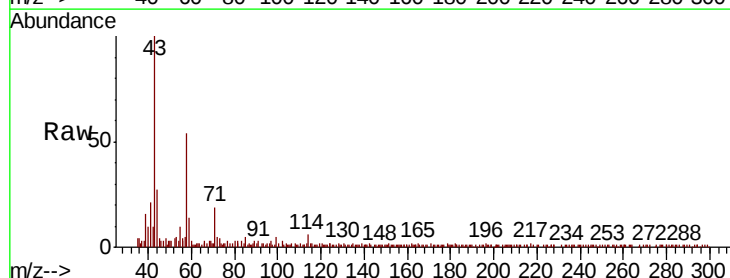
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 6.8 16.8 25.2#

61 0.0 18.2 27.2#

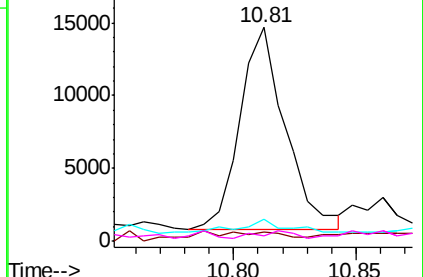
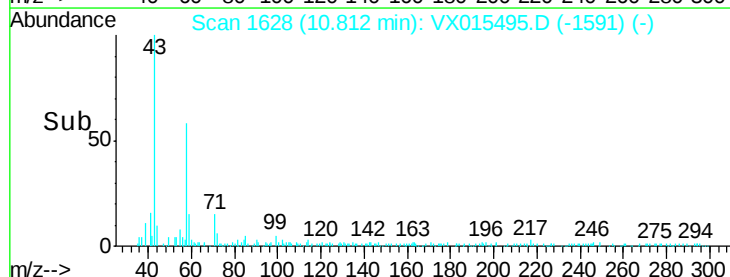


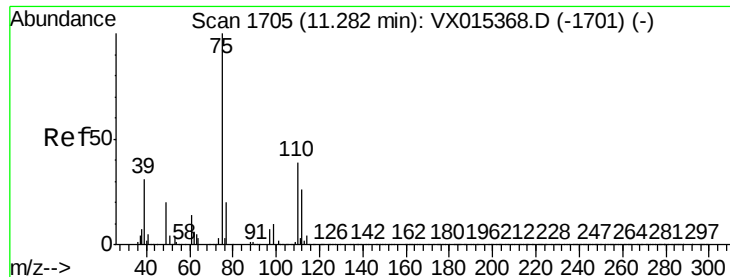
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 25.594 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

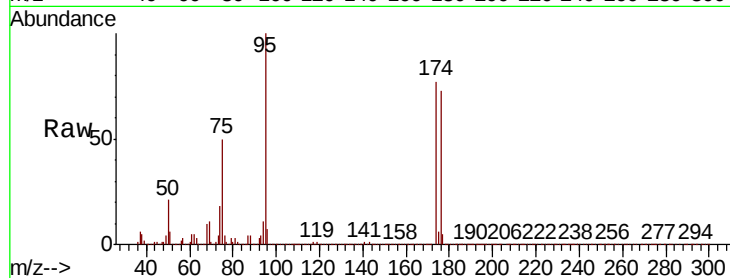
TP-70-71-COMP

Tot Ion: 75 Resp: 469246

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

400000

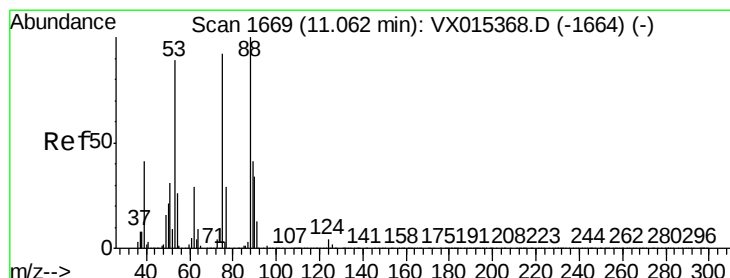
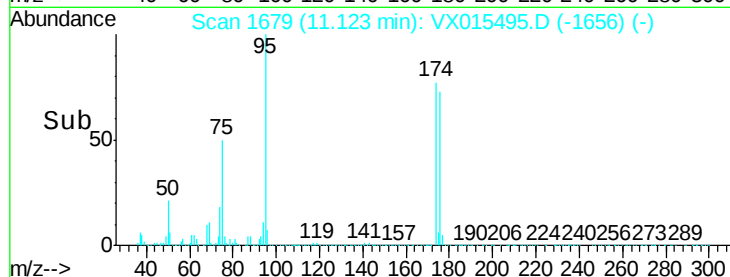
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.413 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015495.D

Acq: 02 Apr 2020 20:16

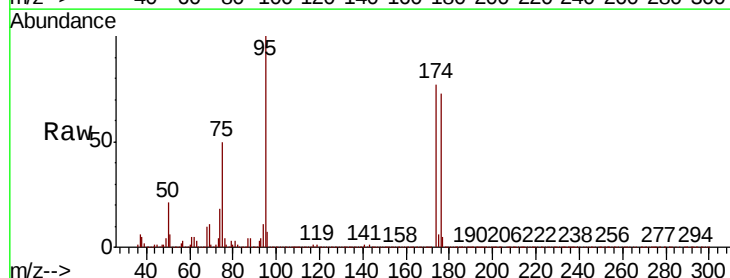
Tgt Ion: 75 Resp: 469246

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.2 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

500000

400000

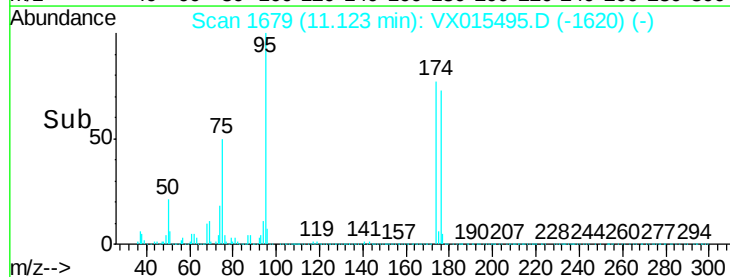
300000

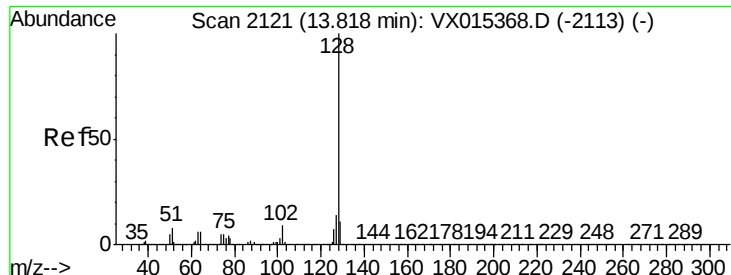
200000

100000

0

Time-->





#95
Naphthalene
Concen: 1.107 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. -0.00 min
Lab File: VX015495.D
Acq: 02 Apr 2020 20:16

Instrument :
MSVOA_X
ClientSampleId :
TP-70-71-COMP

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	15.8
129	11.8	8.8	13.2

