

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
 Data File : VX011409.D
 Acq On : 09 Aug 2019 14:55
 Operator : JC/SP
 Sample : K4279-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

Quant Time: Aug 11 00:00:43 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	214282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305251	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	107380	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	5.49	113	90029	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
50) Toluene-d8	8.71	98	365101	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.13	95	128993	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	

Target Compounds

					Qvalue	
5) Bromomethane	1.64	94	542	0.372	ug/l #	44
6) Chloroethane	1.71	64	269	Below Cal	#	66
11) Tert butyl alcohol	3.03	59	751	1.768	ug/l #	72
13) Acrolein	2.39	56	9989	36.993	ug/l	85
14) Allyl chloride	2.84	41	38346	14.754	ug/l #	70
15) Acrylonitrile	3.17	53	15800	15.387	ug/l #	37
16) Acetone	2.43	43	5932	5.775	ug/l	100
18) Methyl Acetate	2.84	43	92857	39.559	ug/l #	49
20) Methylene Chloride	2.84	84	804	0.357	ug/l #	1
25) 2-Butanone	4.68	43	3069	2.100	ug/l	98
26) 2,2-Dichloropropane	4.40	77	7188	2.745	ug/l #	50
29) Tetrahydrofuran	5.12	42	186	0.208	ug/l #	29
30) Chloroform	5.27	83	3602	0.984	ug/l #	66
31) Cyclohexane	5.58	56	795231	286.160	ug/l	99
36) 1,1-Dichloropropene	5.65	75	14404	5.405	ug/l #	45
38) Carbon Tetrachloride	5.66	117	20188	7.529	ug/l #	14
39) Methylcyclohexane	7.46	83	737083	233.323	ug/l	98
40) Benzene	6.14	78	1722157	216.543	ug/l	97
41) Methacrylonitrile	5.05	41	684	0.469	ug/l #	35
42) 1,2-Dichloroethane	6.14	62	15853	5.895	ug/l #	72
43) Isopropyl Acetate	6.46	43	11243	2.631	ug/l #	62
45) 1,2-Dichloropropane	7.46	63	7610	3.695	ug/l #	1
48) Methyl methacrylate	7.73	41	32617	16.216	ug/l #	54
49) 1,4-Dioxane	7.87	88	23	0.394	ug/l #	29
51) 4-Methyl-2-Pentanone	8.66	43	7937	2.878	ug/l #	35
52) Toluene	8.79	92	6405	1.218	ug/l	100
53) t-1,3-Dichloropropene	9.05	75	49	2.854	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	31895	14.753	ug/l #	19
56) Ethyl methacrylate	9.16	69	6447	2.093	ug/l #	1
59) 2-Hexanone	9.49	43	853	0.399	ug/l	68
67) Ethyl Benzene	10.25	91	4351783	439.419	ug/l	99
68) m/p-Xylenes	10.36	106	626645	163.587	ug/l	98
69) o-Xylene	10.69	106	12476	3.315	ug/l	100
70) Styrene	10.71	104	2164	0.347	ug/l #	3

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
 Data File : VX011409.D
 Acq On : 09 Aug 2019 14:55
 Operator : JC/SP
 Sample : K4279-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

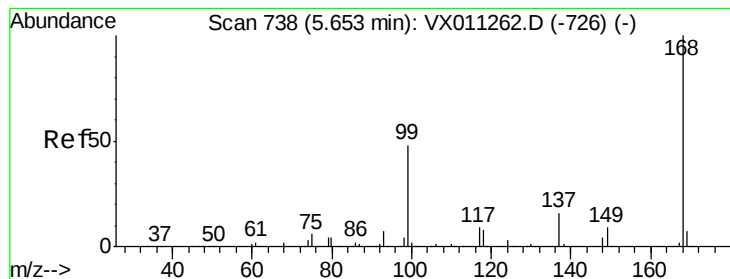
Quant Time: Aug 11 00:00:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Isopropylbenzene	11.02	105	446466	43.176	ug/l	99
74) N-amyl acetate	10.91	43	2636	0.705	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	2425	0.704	ug/l #	45
76) 1,2,3-Trichloropropane	11.36	75	4001	1.453	ug/l #	1
78) n-propylbenzene	11.36	91	601229	52.283	ug/l	98
79) 2-Chlorotoluene	11.45	91	84827	12.376	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	442420	51.110	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.02	75	5682	9.539	ug/l #	71
82) 4-Chlorotoluene	11.51	91	47192	5.908	ug/l #	43
83) tert-Butylbenzene	11.80	119	438007	51.592	ug/l #	58
84) 1,2,4-Trimethylbenzene	11.80	105	3445401	399.774	ug/l	100
85) sec-Butylbenzene	11.80	105	3444926	337.733	ug/l #	55
86) p-Isopropyltoluene	12.06	119	98046	10.448	ug/l	99
89) n-Butylbenzene	12.38	91	100046	12.375	ug/l #	35
90) Hexachloroethane	12.58	117	27245	19.638	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	13.02	75	2612	3.912	ug/l #	1
95) Naphthalene	13.83	128	649685	65.806	ug/l	100

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011409.D
Acq On    : 09 Aug 2019   14:55
Operator  : JC/SP
Sample    : K4279-02
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 13   Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

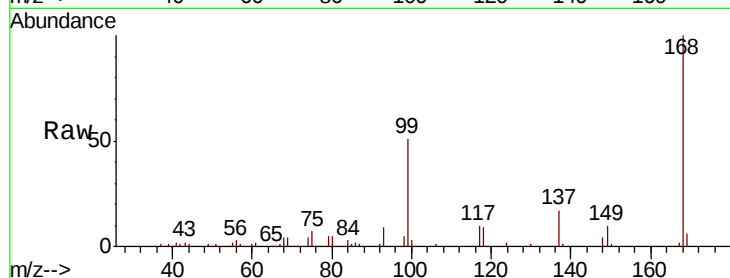
Z3-0671

Tgt Ion:168 Resp: 214282

Ion Ratio Lower Upper

168 100

99 51.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

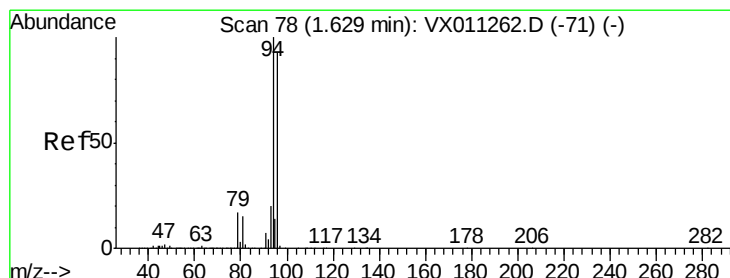
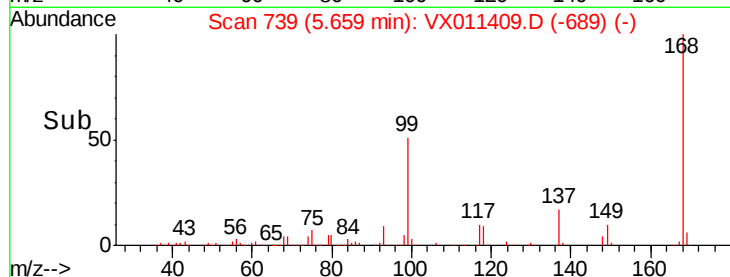
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.372 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011409.D

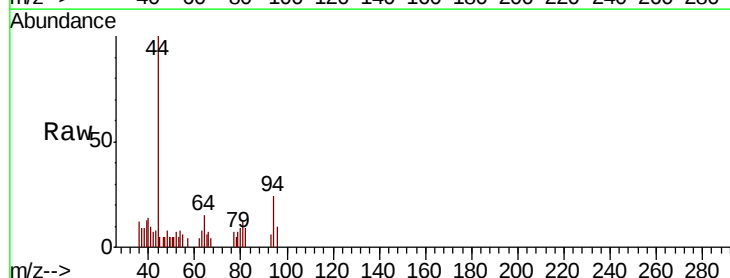
Acq: 09 Aug 2019 14:55

Tgt Ion: 94 Resp: 542

Ion Ratio Lower Upper

94 100

96 39.9 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

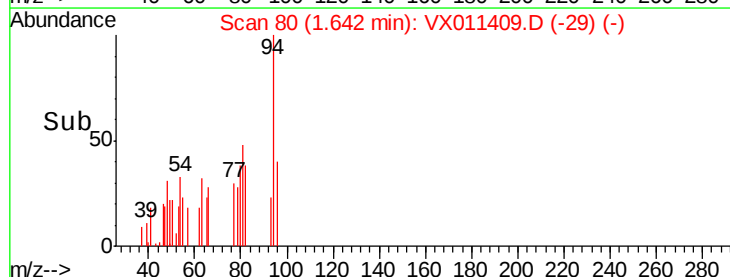
300

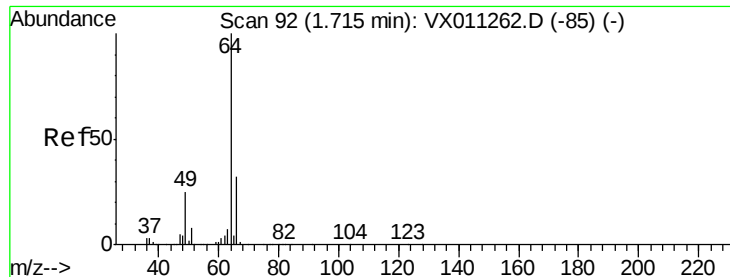
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

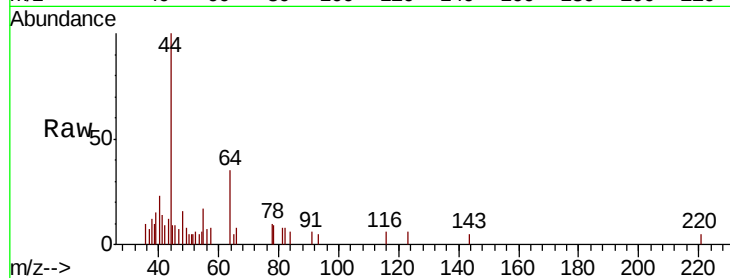
Z3-0671

Tgt Ion: 64 Resp: 269

Ion Ratio Lower Upper

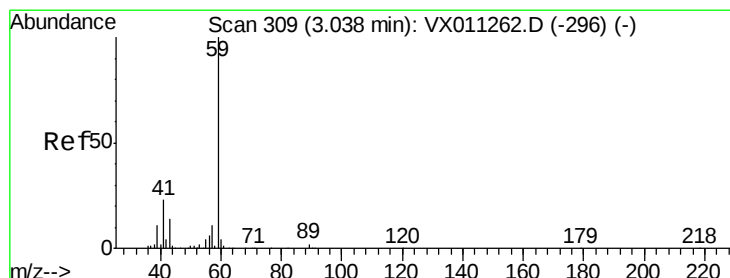
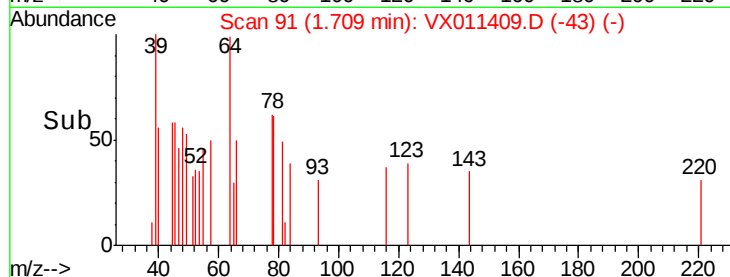
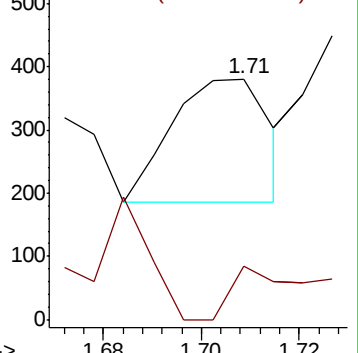
64 100

66 12.8 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: 1.768 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX011409.D

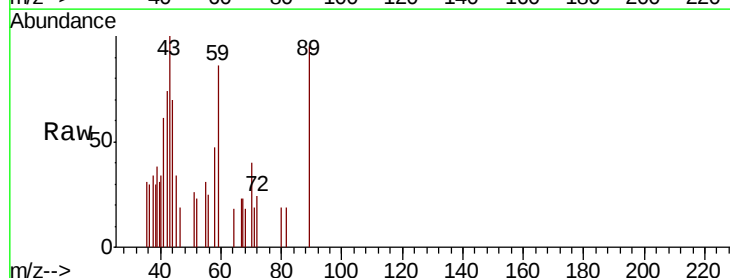
Acq: 09 Aug 2019 14:55

Tgt Ion: 59 Resp: 751

Ion Ratio Lower Upper

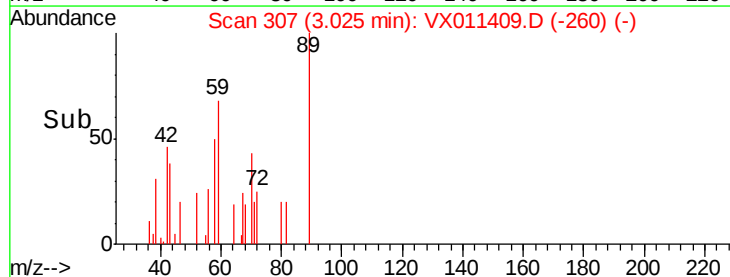
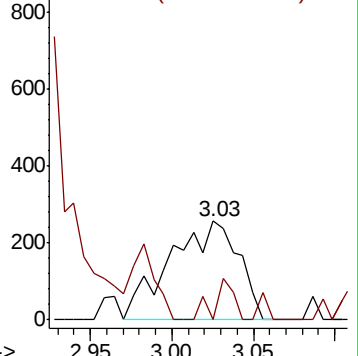
59 100

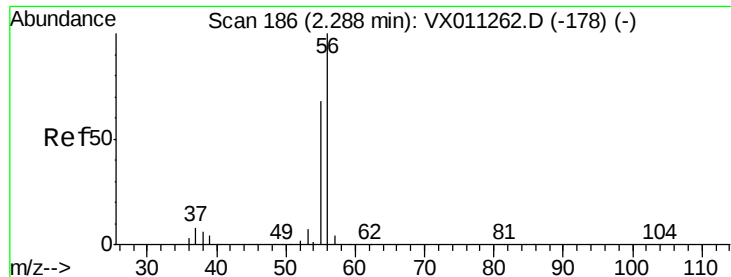
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 36.993 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.10 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

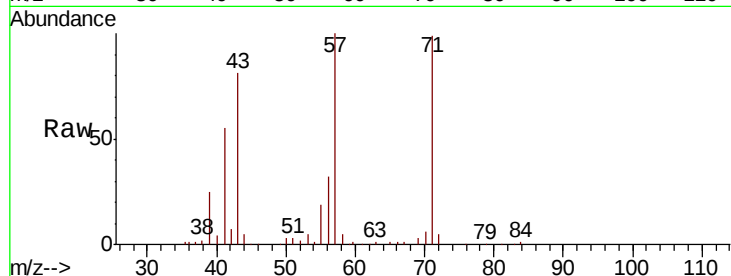
Z3-0671

Tgt Ion: 56 Resp: 9989

Ion Ratio Lower Upper

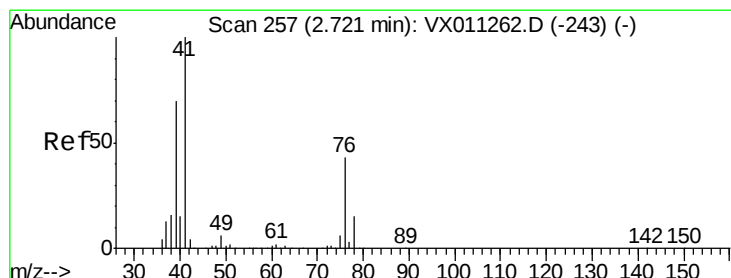
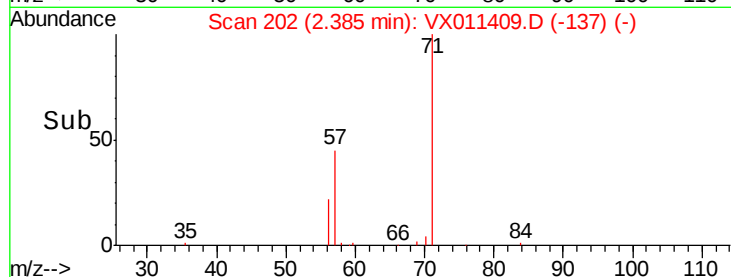
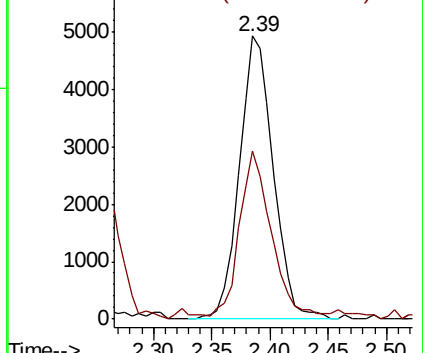
56 100

55 57.3 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 14.754 ug/l

RT: 2.84 min Scan# 276

Delta R.T. 0.12 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

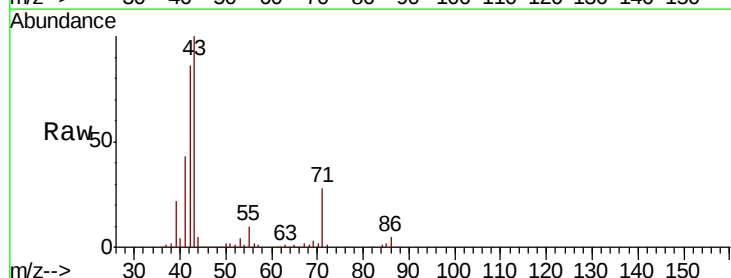
Tgt Ion: 41 Resp: 38346

Ion Ratio Lower Upper

41 100

39 58.3 52.8 79.2

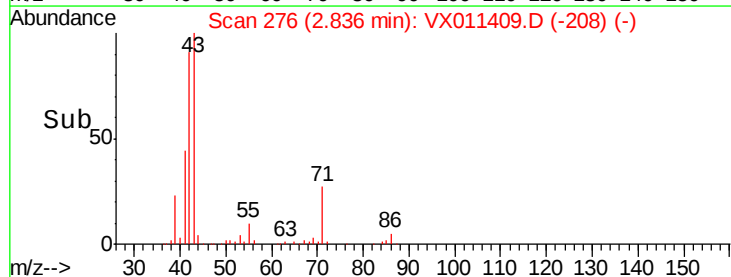
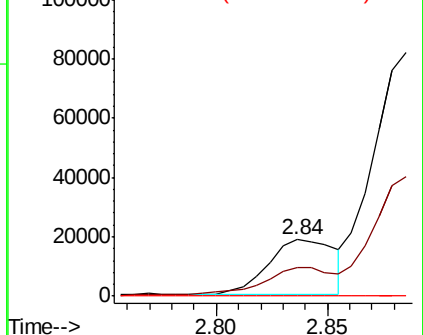
76 0.0 31.1 46.7#

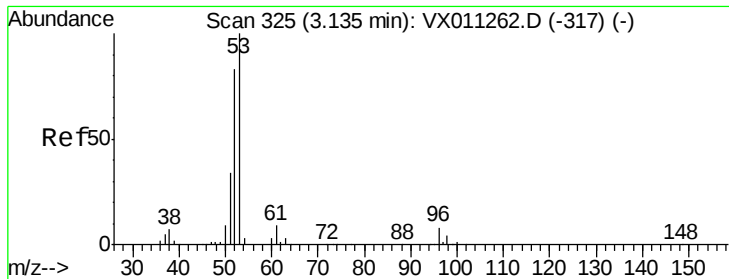


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 15.387 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.03 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

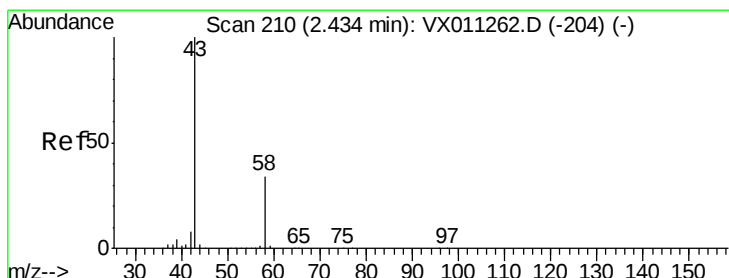
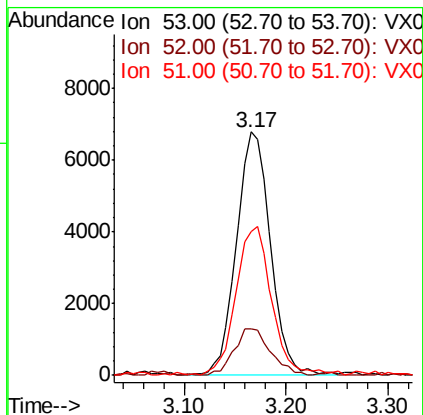
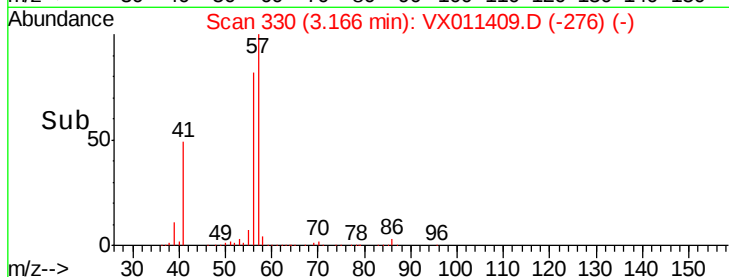
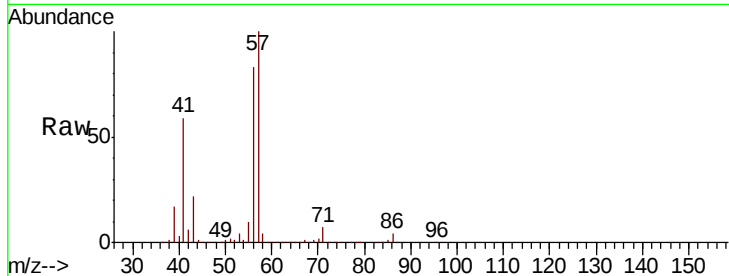
Tgt Ion: 53 Resp: 15800

Ion Ratio Lower Upper

53 100

52 20.1 65.5 98.3#

51 64.0 27.9 41.9#



#16

Acetone

Concen: 5.775 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011409.D

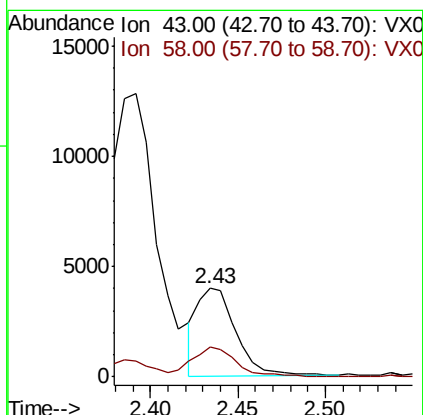
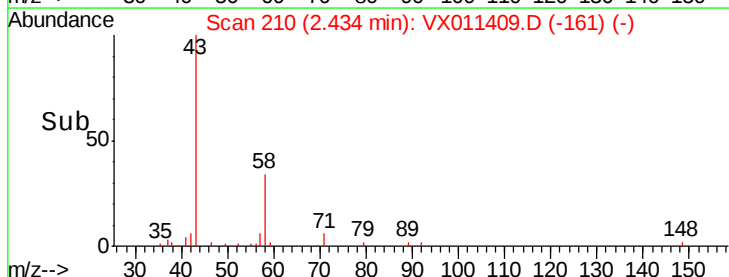
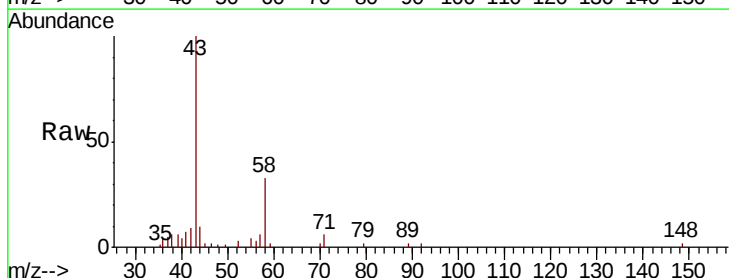
Acq: 09 Aug 2019 14:55

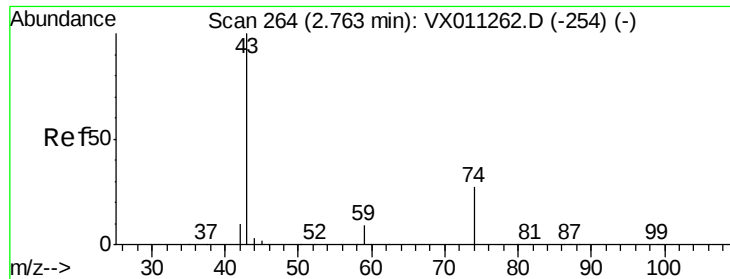
Tgt Ion: 43 Resp: 5932

Ion Ratio Lower Upper

43 100

58 34.1 27.4 41.0

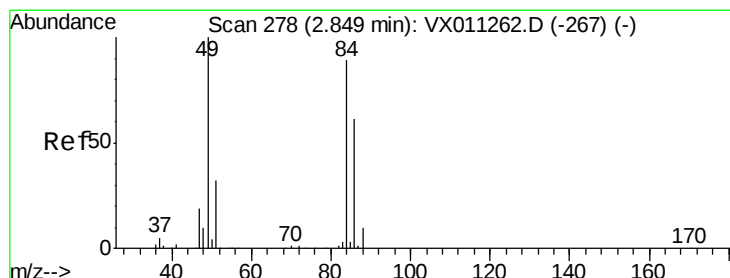
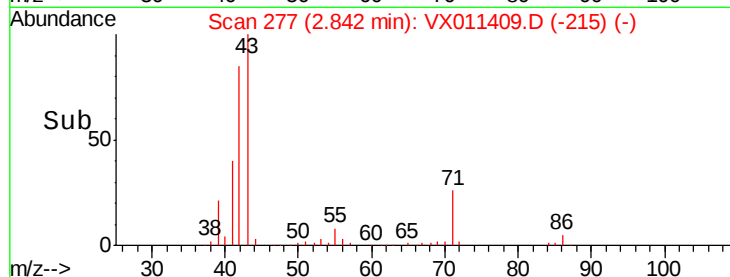
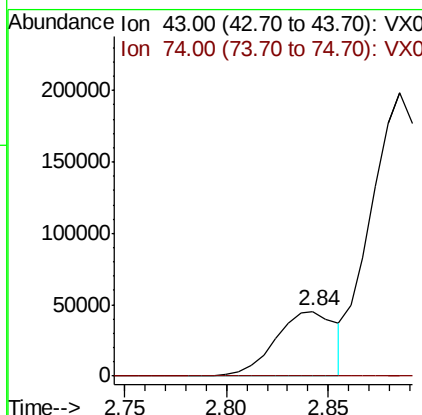
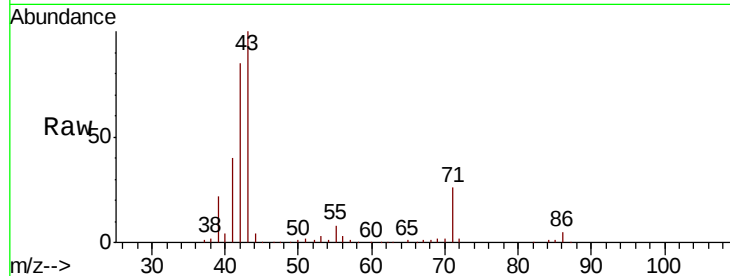




#18
Methyl Acetate
Concen: 39.559 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.08 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

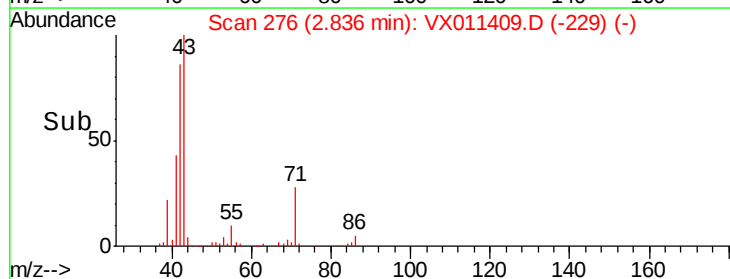
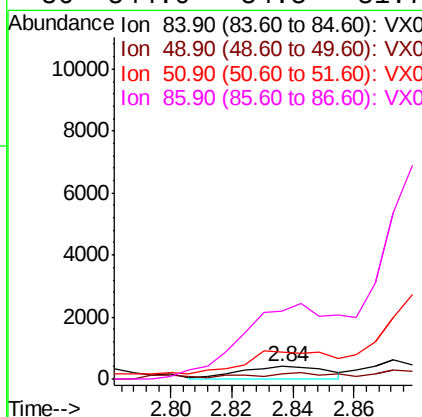
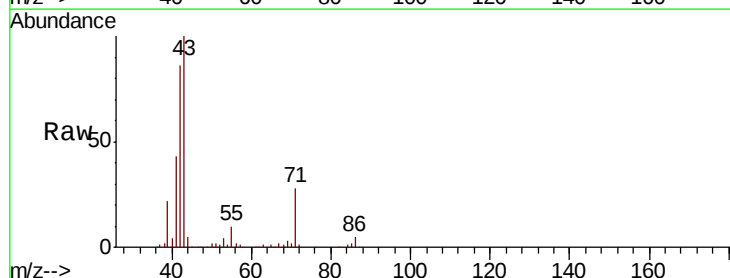
Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

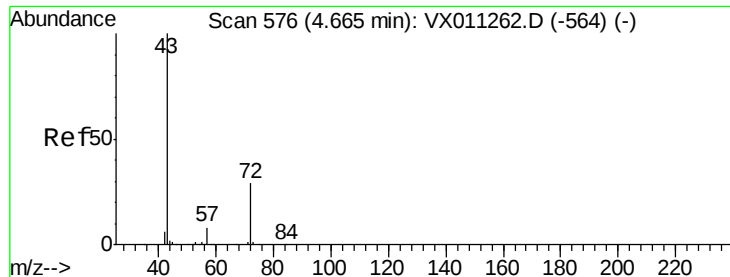
Tgt Ion: 43 Resp: 92857
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.01 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 84 Resp: 804
Ion Ratio Lower Upper
84 100
49 28.0 89.3 133.9#
51 210.6 28.3 42.5#
86 544.0 54.5 81.7#





#25

2-Butanone

Concen: 2.100 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

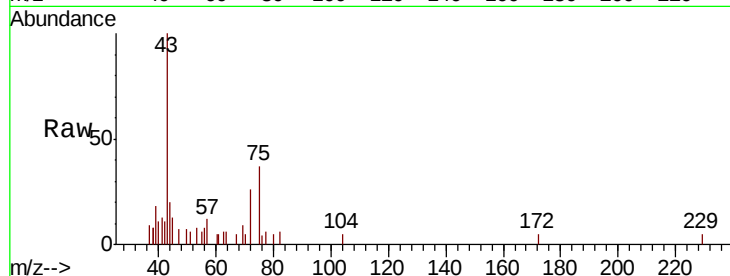
Z3-0671

Tgt Ion: 43 Resp: 3069

Ion Ratio Lower Upper

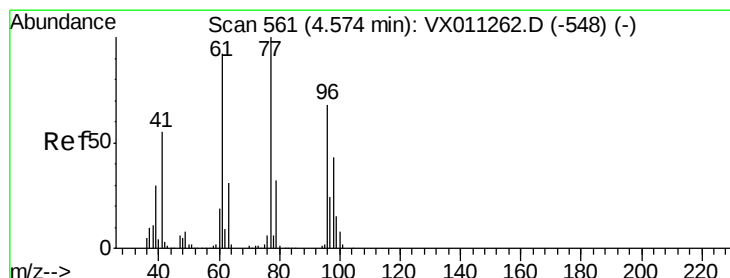
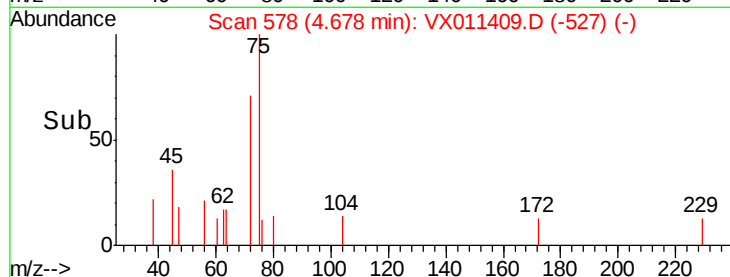
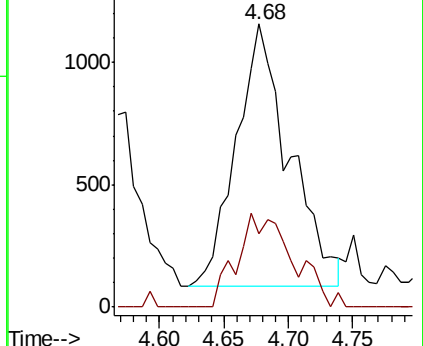
43 100

72 28.2 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.745 ug/l

RT: 4.40 min Scan# 532

Delta R.T. -0.18 min

Lab File: VX011409.D

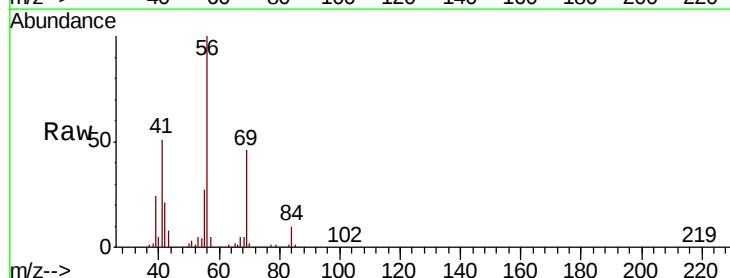
Acq: 09 Aug 2019 14:55

Tgt Ion: 77 Resp: 7188

Ion Ratio Lower Upper

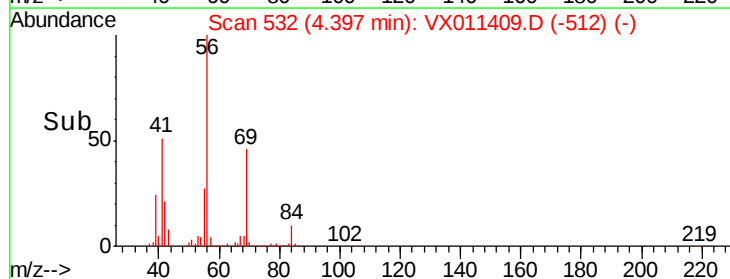
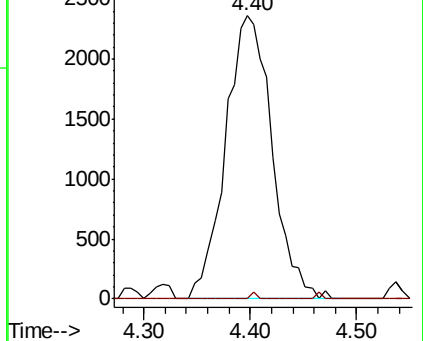
77 100

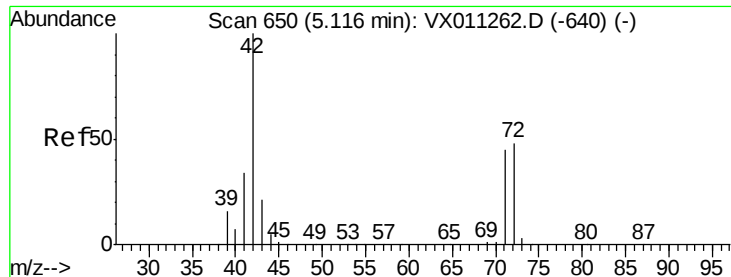
97 0.3 12.8 38.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

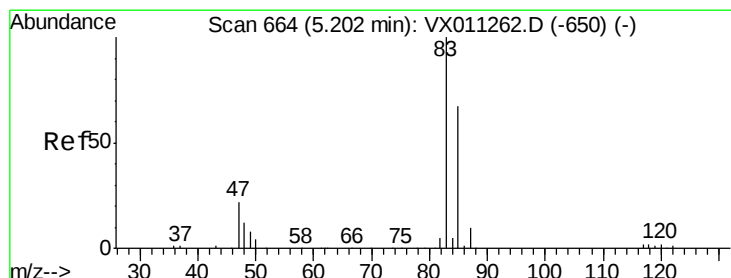
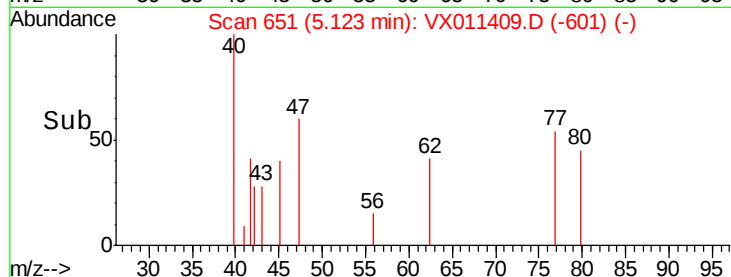
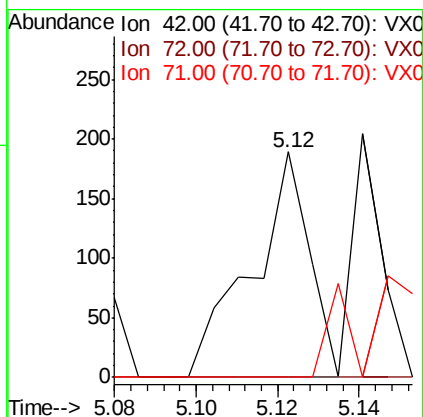
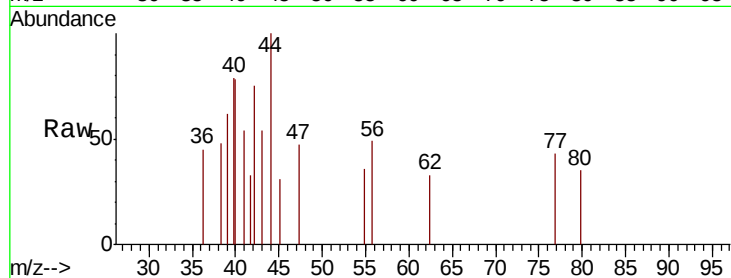




#29
Tetrahydrofuran
Concen: 0.208 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

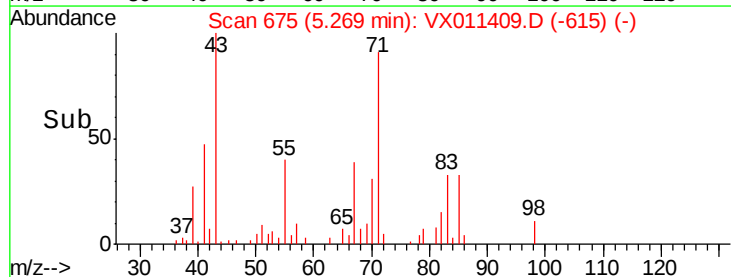
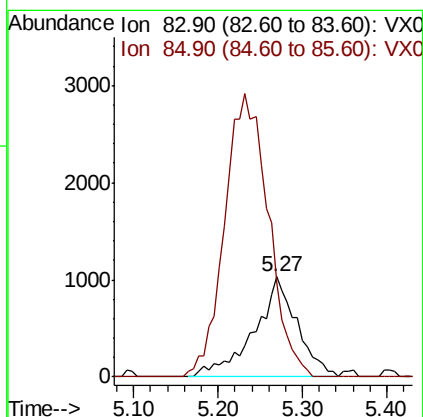
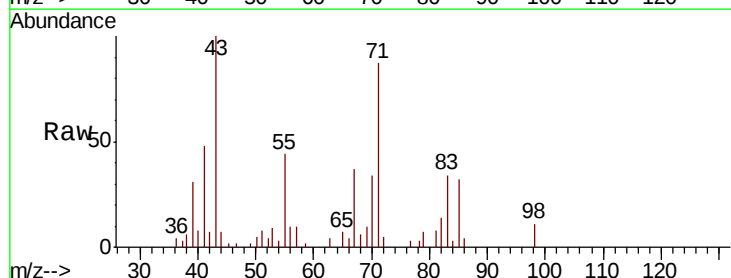
Instrument :
MSVOA_X
ClientSampled :
Z3-0671

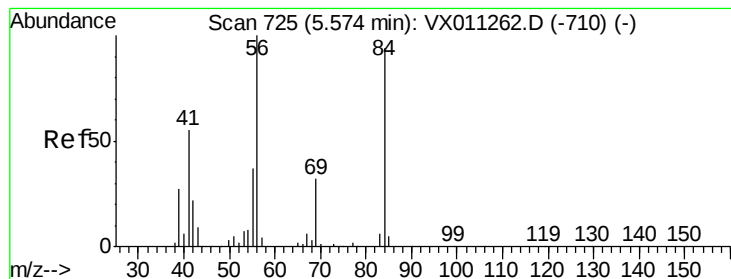
Tgt Ion: 42 Resp: 186
Ion Ratio Lower Upper
42 100
72 0.0 39.9 59.9#
71 0.0 36.9 55.3#



#30
Chloroform
Concen: 0.984 ug/l
RT: 5.27 min Scan# 675
Delta R.T. 0.07 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 83 Resp: 3602
Ion Ratio Lower Upper
83 100
85 93.9 53.4 80.0#





#31

Cyclohexane

Concen: 286.160 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

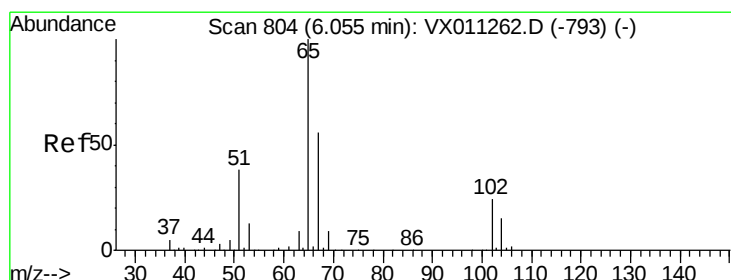
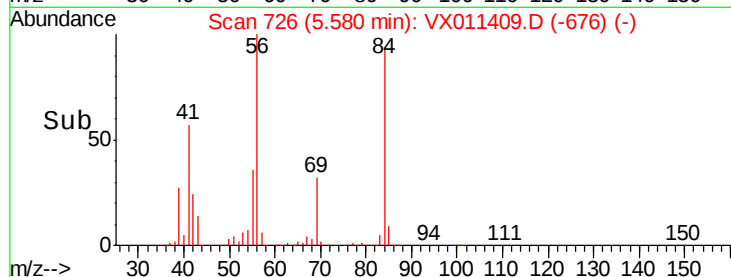
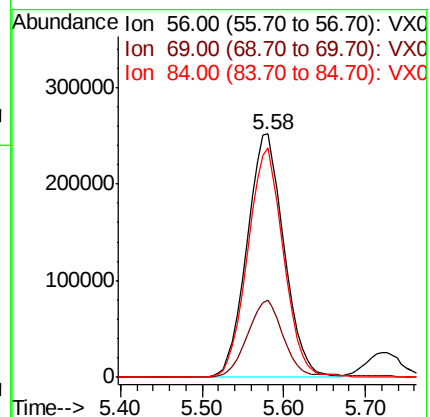
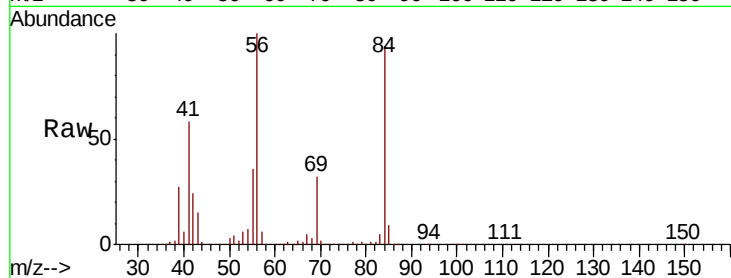
Tgt Ion: 56 Resp: 795231

Ion Ratio Lower Upper

56 100

69 31.5 25.5 38.3

84 94.2 75.0 112.4



#33

1,2-Dichloroethane-d4

Concen: 49.761 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011409.D

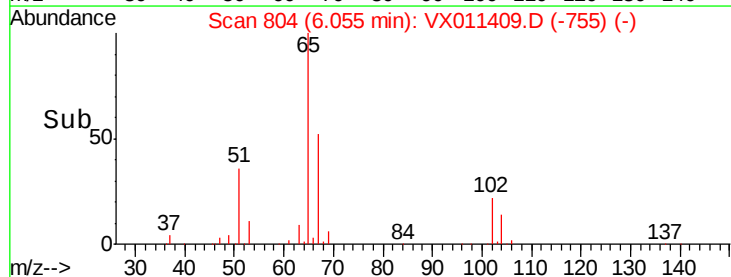
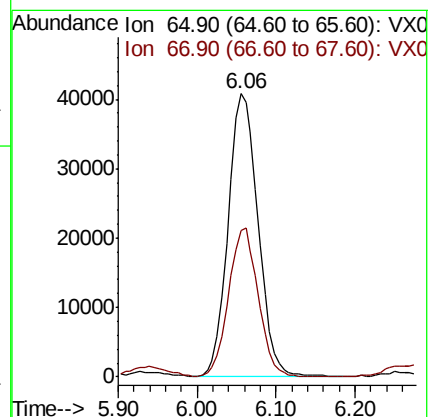
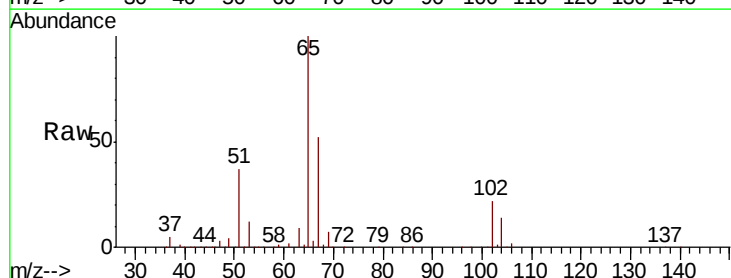
Acq: 09 Aug 2019 14:55

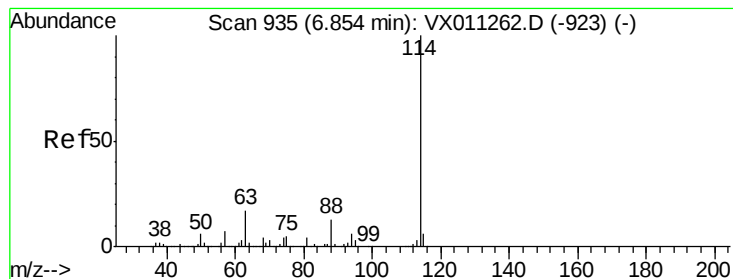
Tgt Ion: 65 Resp: 107380

Ion Ratio Lower Upper

65 100

67 51.9 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: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

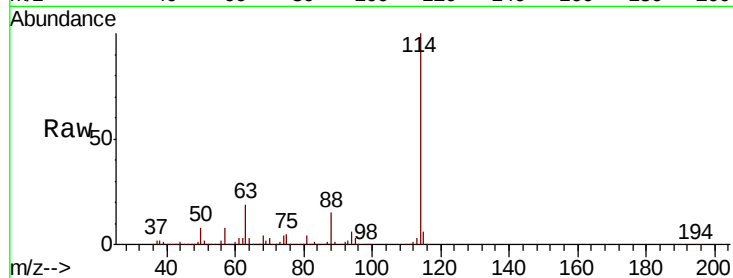
Tgt Ion:114 Resp: 305251

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.0

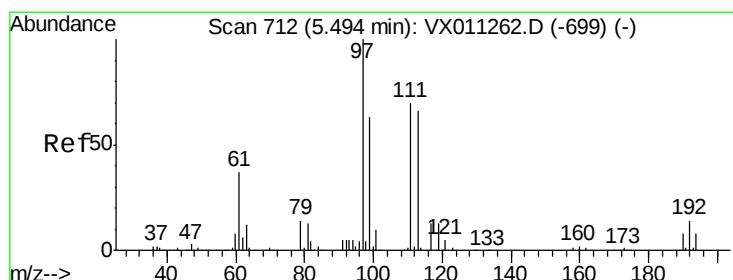
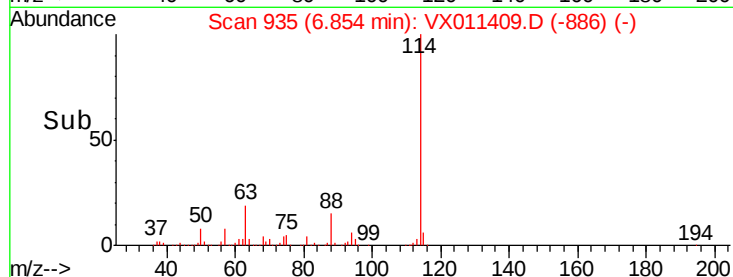
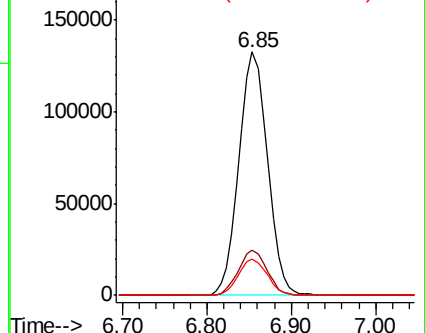
88 14.8 0.0 26.4



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: 45.175 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

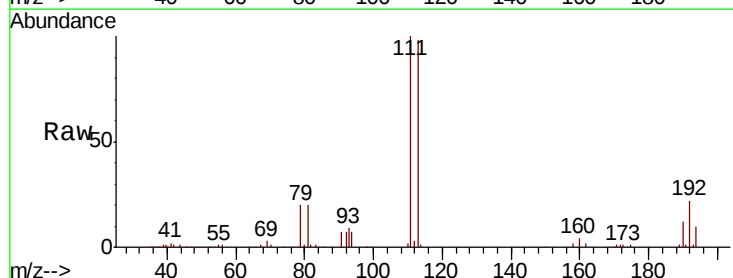
Tgt Ion:113 Resp: 90029

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

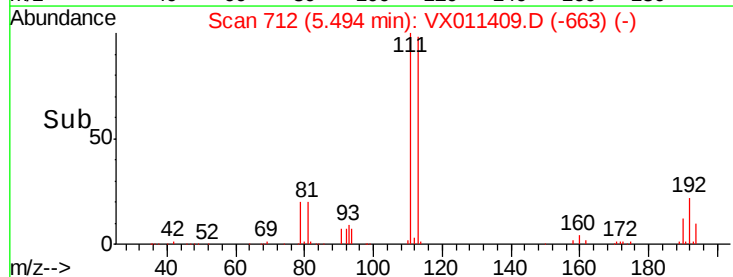
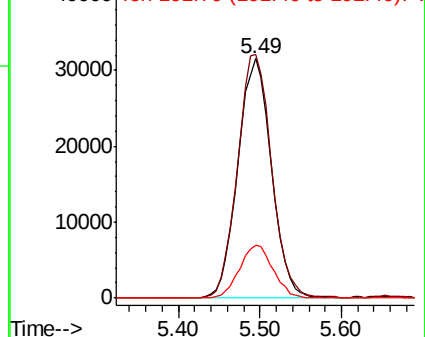
192 22.0 17.8 26.8

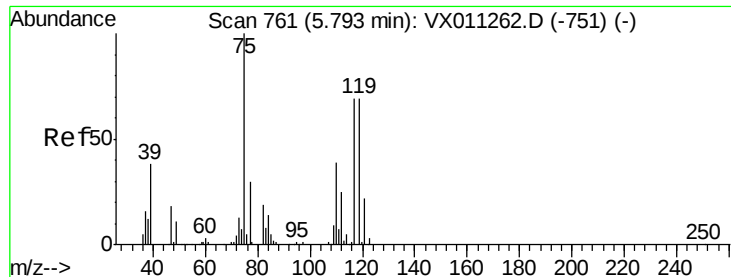


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

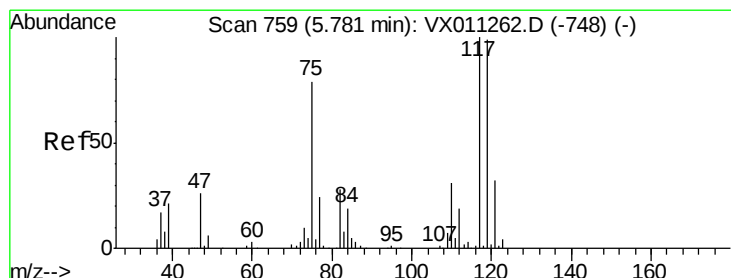
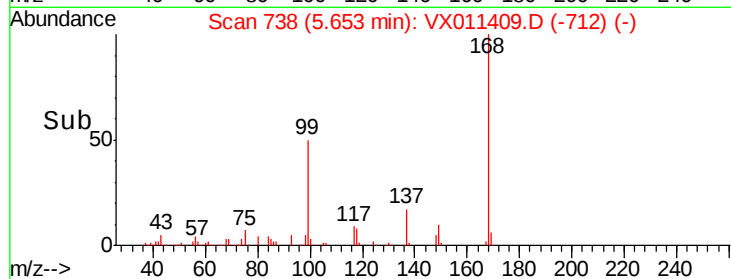
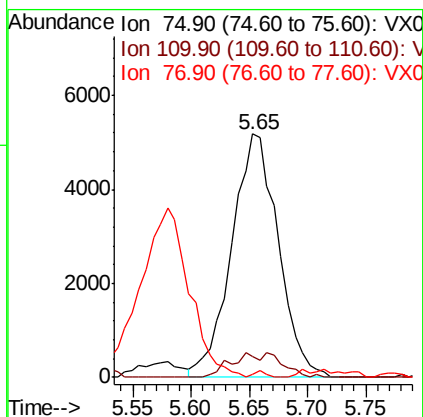
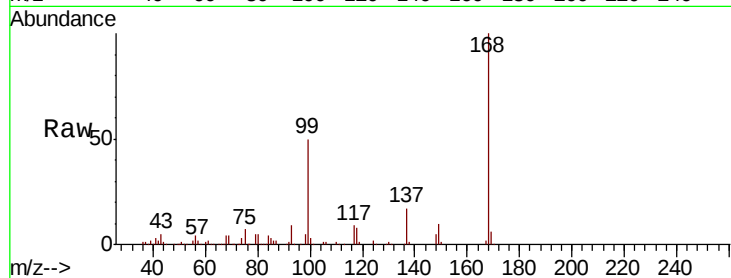




#36
 1,1-Dichloropropene
 Concen: 5.405 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011409.D
 Acq: 09 Aug 2019 14:55

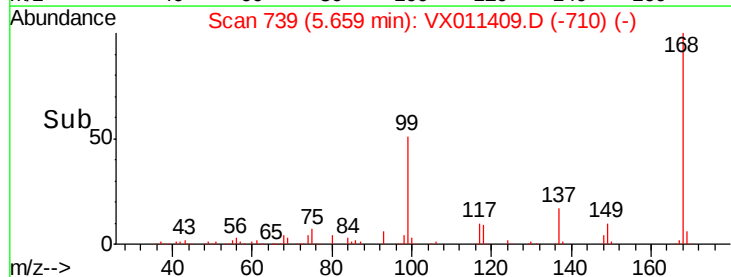
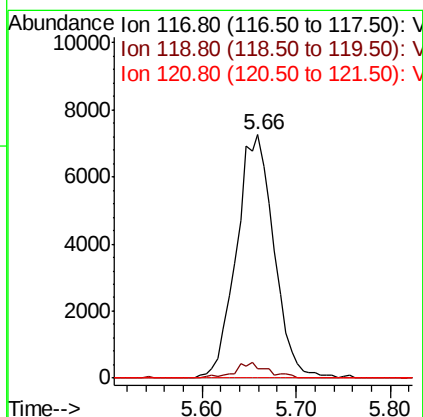
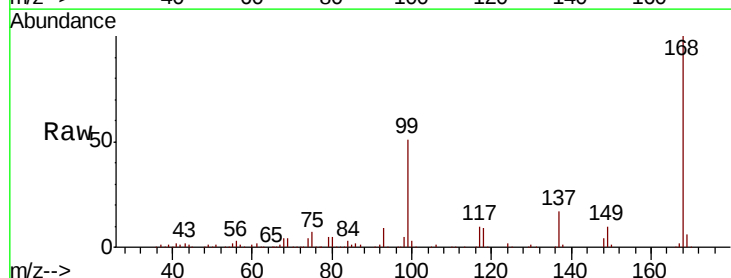
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

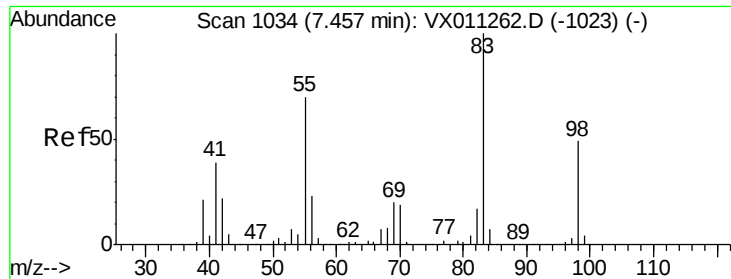
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	20.0	59.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.529 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011409.D
 Acq: 09 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	79.0	118.4#
121	0.0	25.9	38.9#

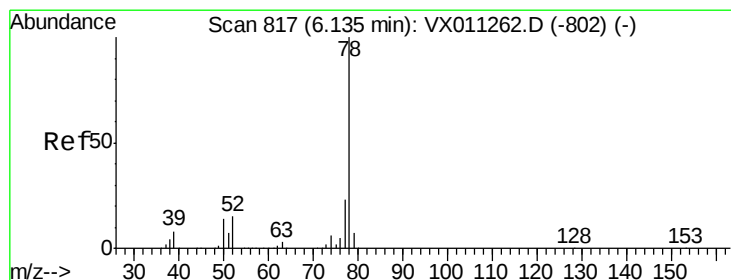
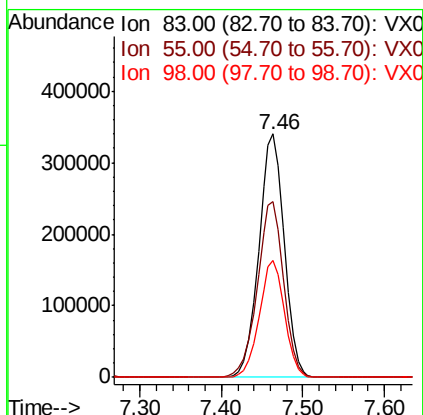
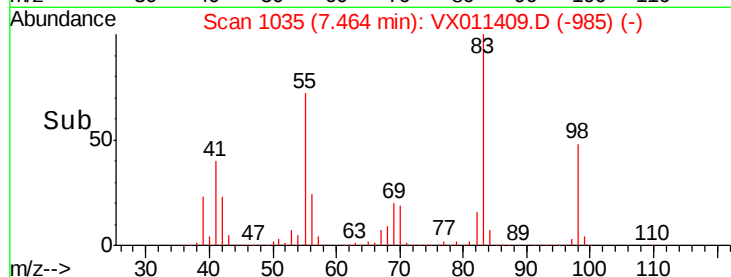
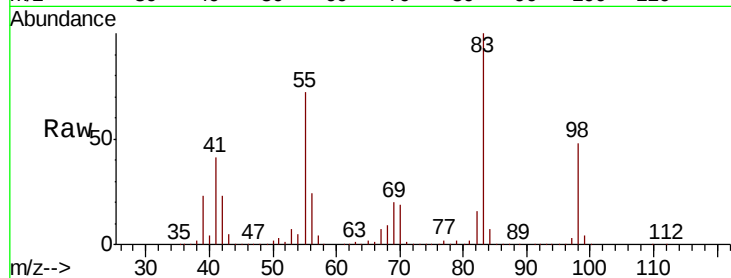




#39
Methylcyclohexane
Concen: 233.323 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

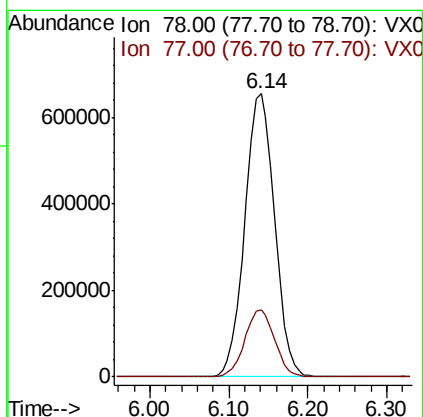
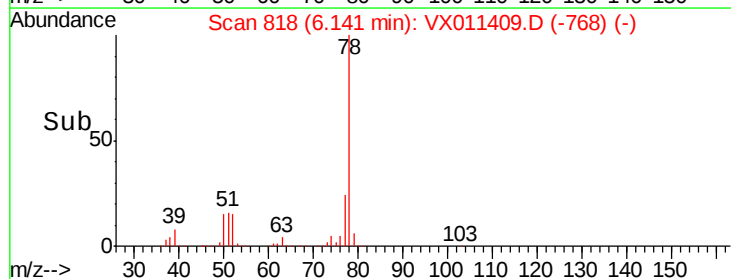
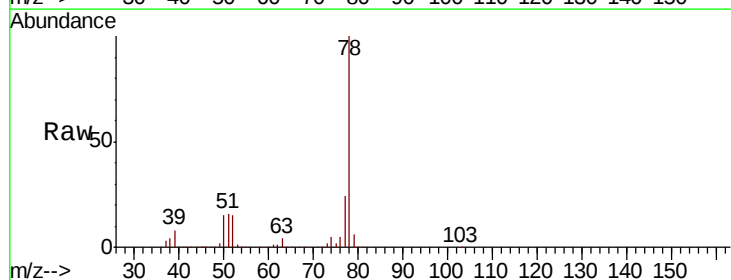
Instrument :
MSVOA_X
ClientSampled :
Z3-0671

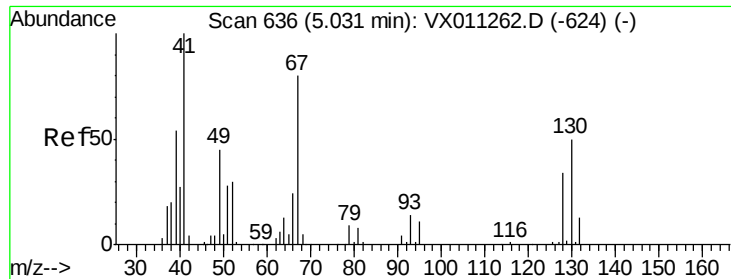
Tgt Ion: 83 Resp: 737083
Ion Ratio Lower Upper
83 100
55 71.9 56.1 84.1
98 48.0 39.0 58.4



#40
Benzene
Concen: 216.543 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 78 Resp: 1722157
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.2





#41

Methacrylonitrile

Concen: 0.469 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.02 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

Z3-0671

Tgt Ion: 41 Resp: 684

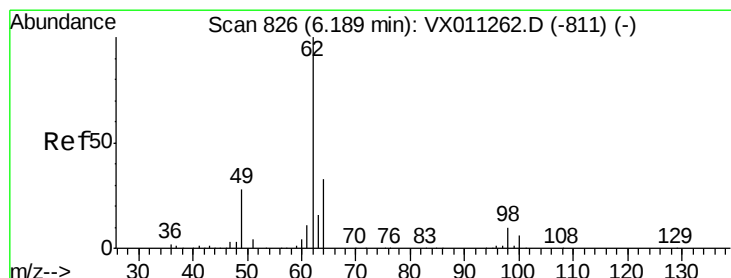
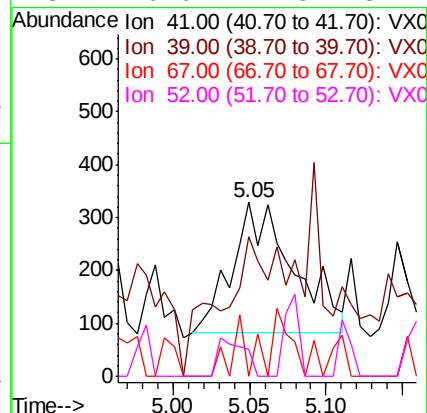
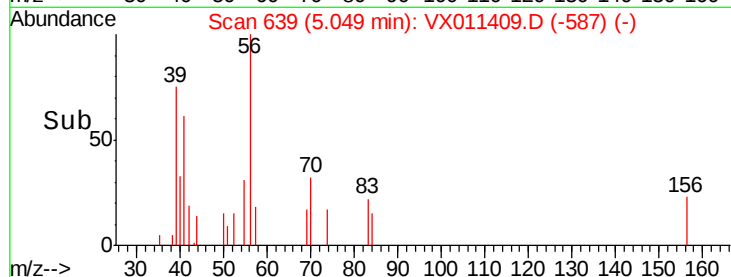
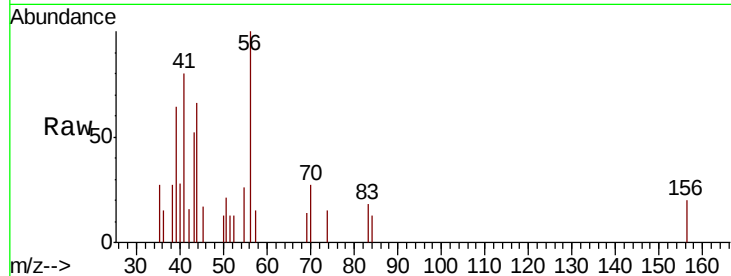
Ion Ratio Lower Upper

41 100

39 33.2 43.0 64.6#

67 0.0 65.1 97.7#

52 0.0 24.8 37.2#



#42

1,2-Dichloroethane

Concen: 5.895 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.05 min

Lab File: VX011409.D

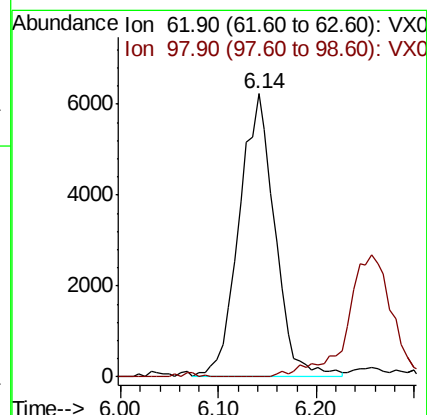
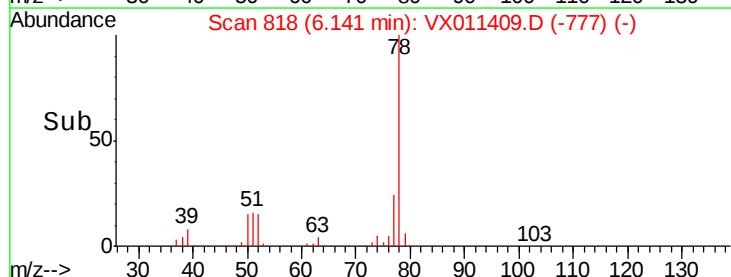
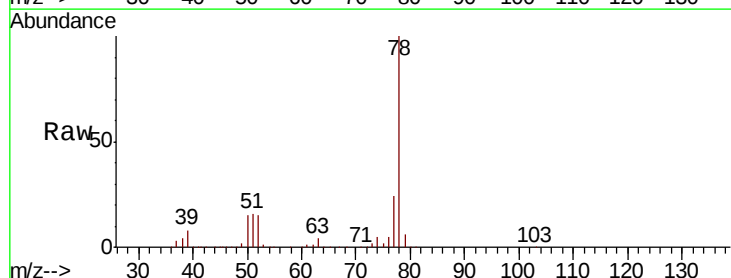
Acq: 09 Aug 2019 14:55

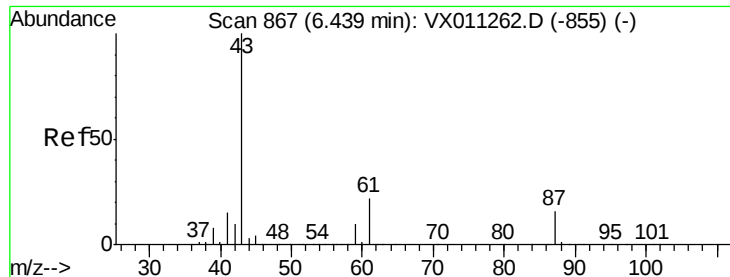
Tgt Ion: 62 Resp: 15853

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.6





#43

Isopropyl Acetate

Concen: 2.631 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.02 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

Z3-0671

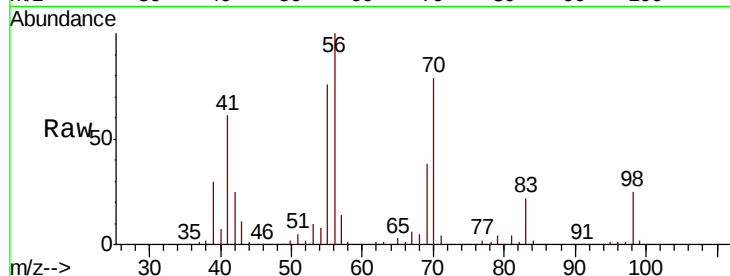
Tgt Ion: 43 Resp: 11243

Ion Ratio Lower Upper

43 100

61 2.4 16.5 24.7#

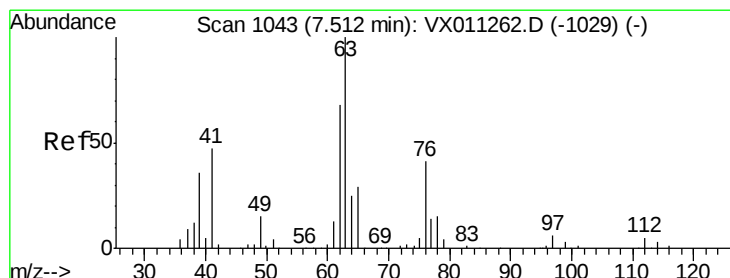
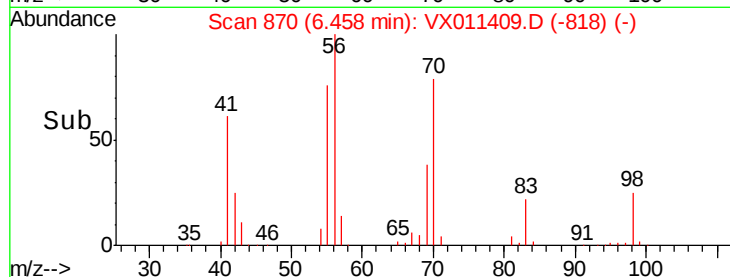
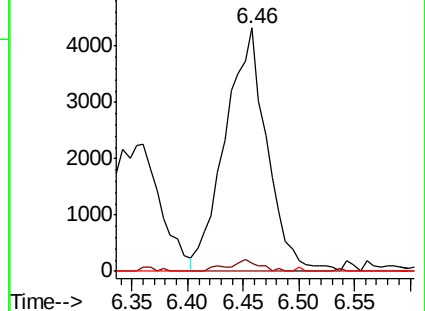
87 0.0 12.1 18.1#



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



#45

1,2-Dichloropropane

Concen: 3.695 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX011409.D

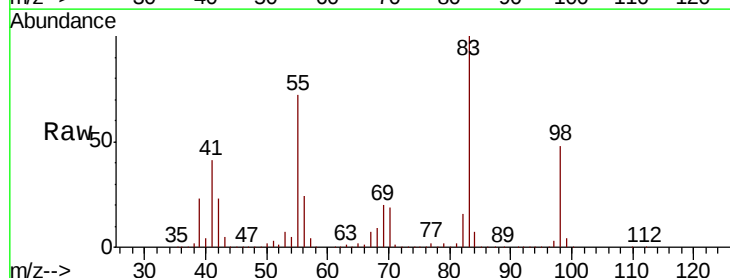
Acq: 09 Aug 2019 14:55

Tgt Ion: 63 Resp: 7610

Ion Ratio Lower Upper

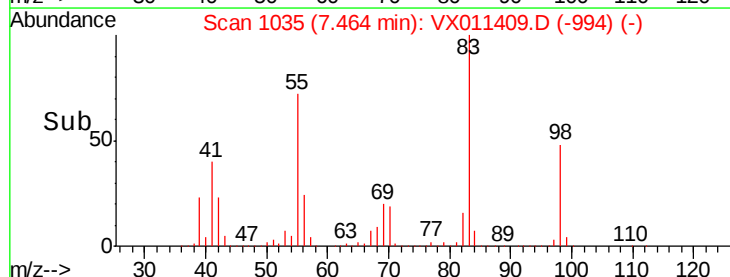
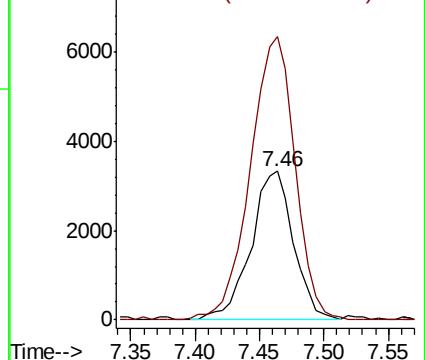
63 100

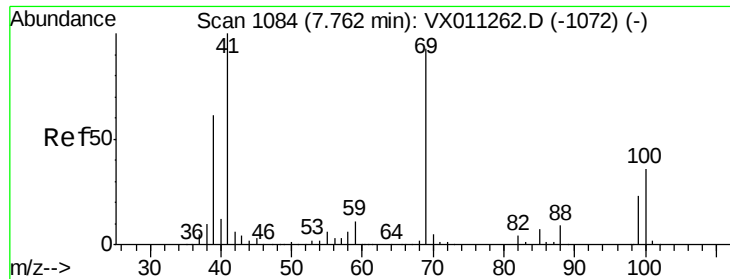
65 188.6 23.3 34.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

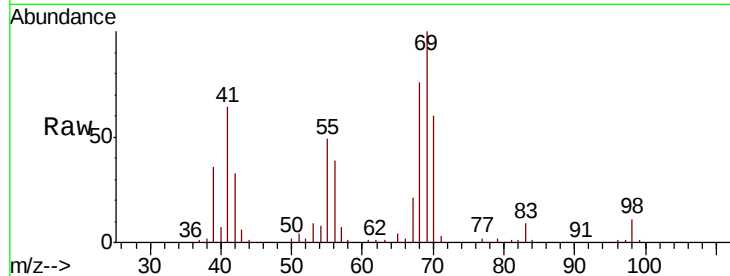




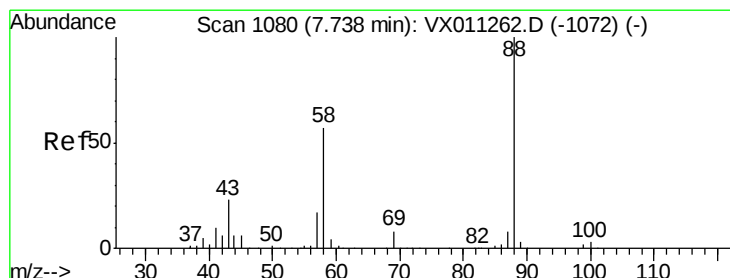
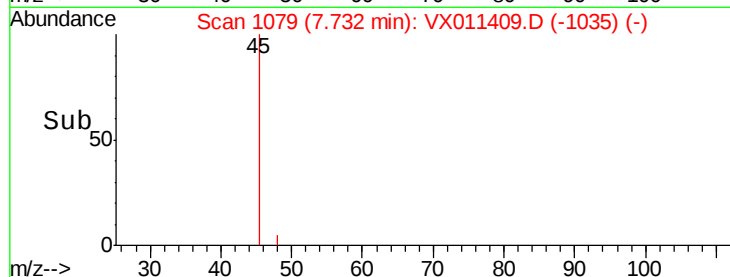
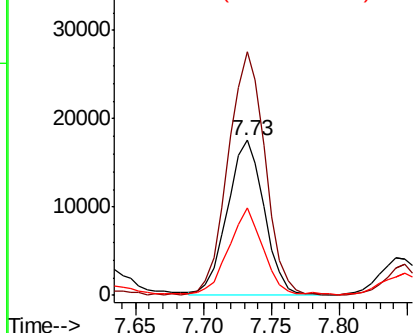
#48
Methyl methacrylate
Concen: 16.216 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.03 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

Tgt Ion: 41 Resp: 32617
Ion Ratio Lower Upper
41 100
69 158.8 74.5 111.7#
39 51.6 48.6 72.8

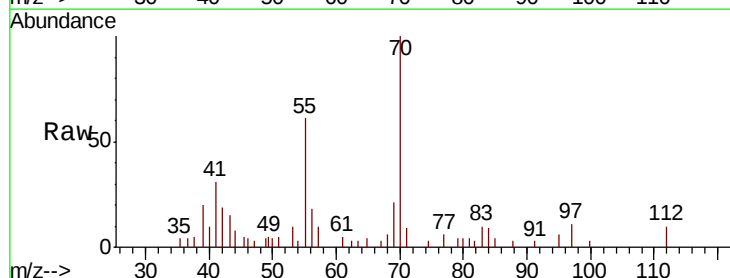


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

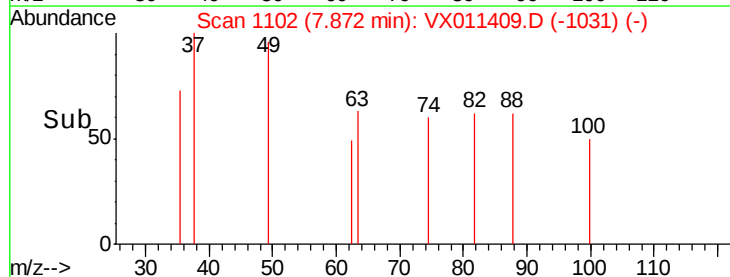
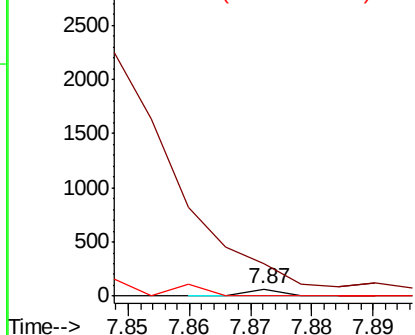


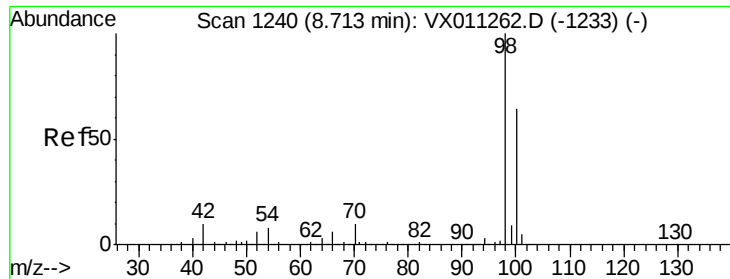
#49
1,4-Dioxane
Concen: 0.394 ug/l
RT: 7.87 min Scan# 1102
Delta R.T. 0.13 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 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: 48.533 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

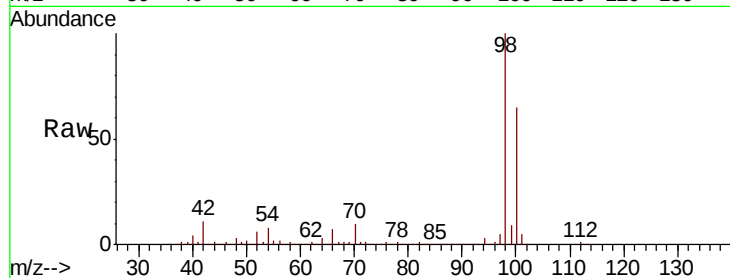
Z3-0671

Tgt Ion: 98 Resp: 365101

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

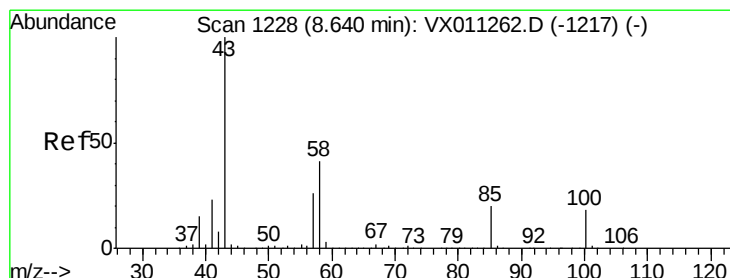
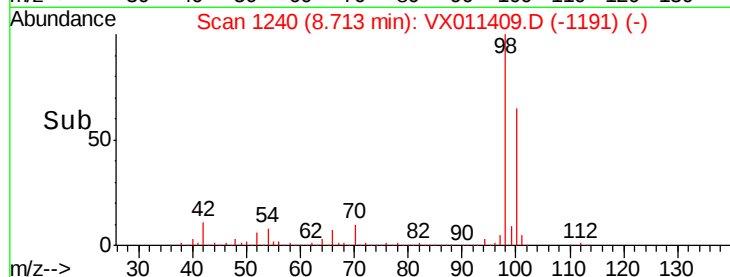
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.878 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX011409.D

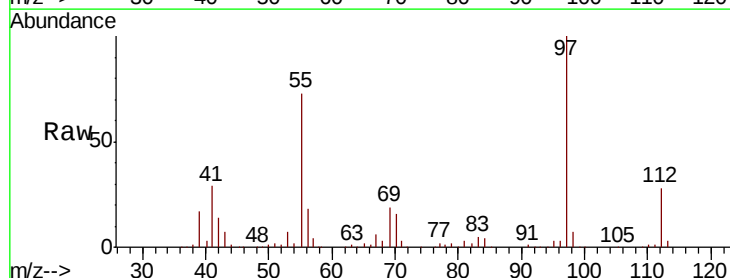
Acq: 09 Aug 2019 14:55

Tgt Ion: 43 Resp: 7937

Ion Ratio Lower Upper

43 100

58 0.0 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

4000

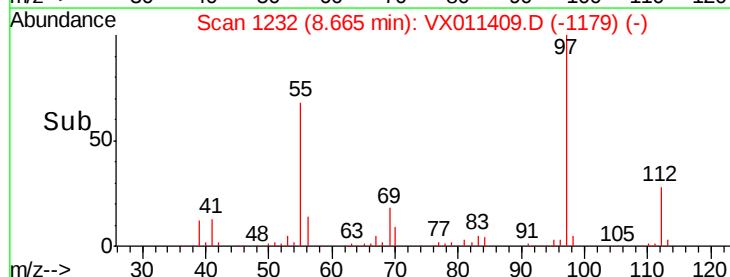
3000

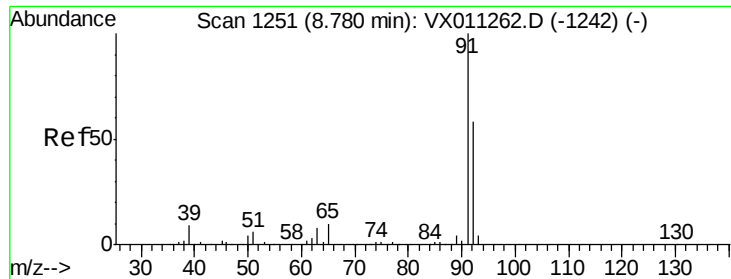
2000

1000

0

Time-->





#52

Toluene

Concen: 1.218 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

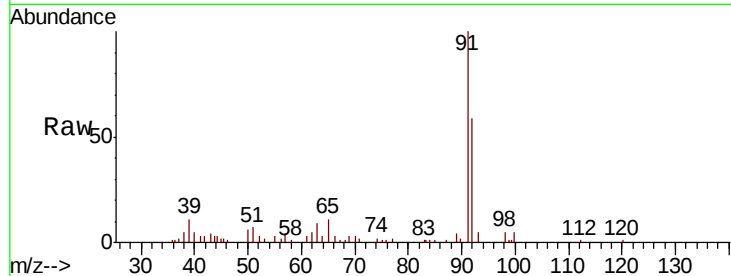
Z3-0671

Tgt Ion: 92 Resp: 6405

Ion Ratio Lower Upper

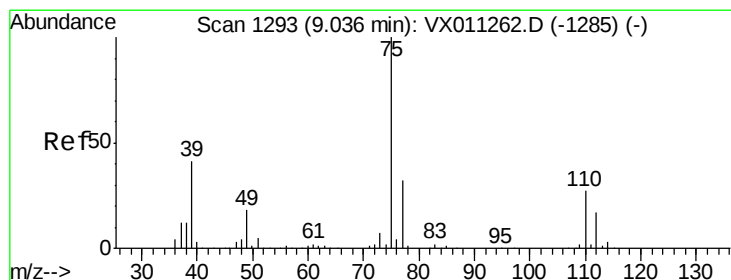
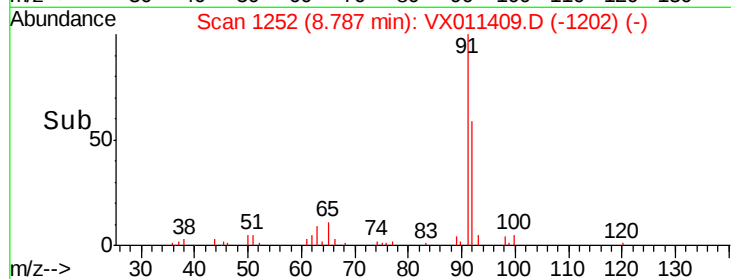
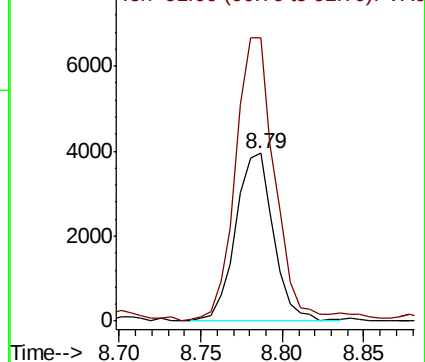
92 100

91 174.1 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.854 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX011409.D

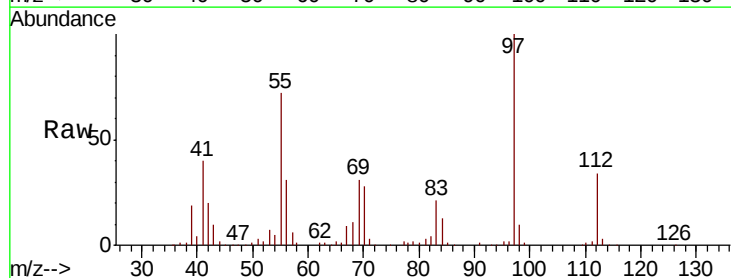
Acq: 09 Aug 2019 14:55

Tgt Ion: 75 Resp: 49

Ion Ratio Lower Upper

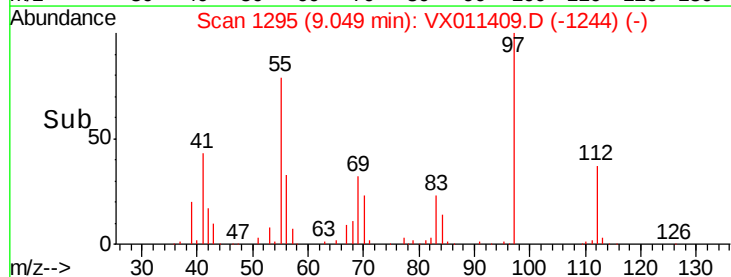
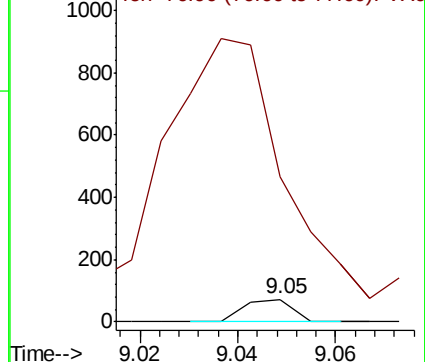
75 100

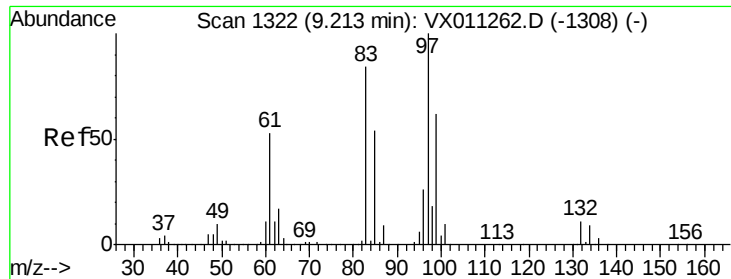
77 393.1 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

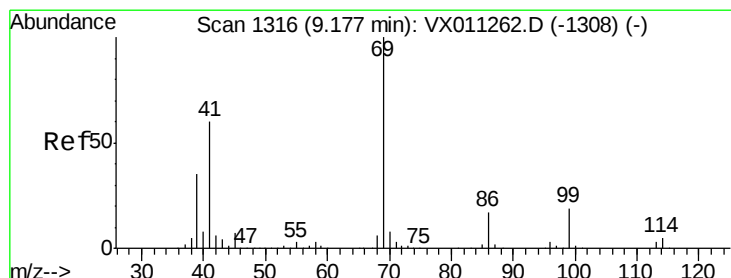
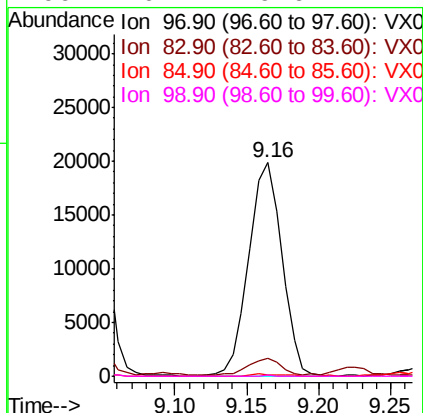
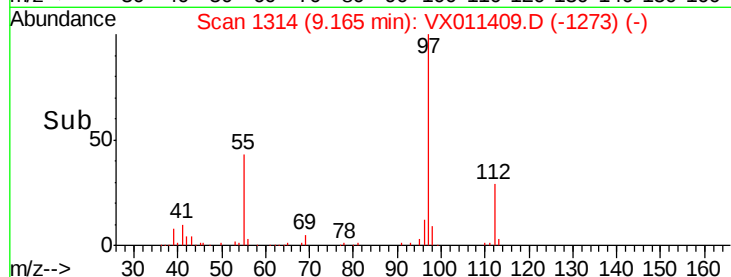
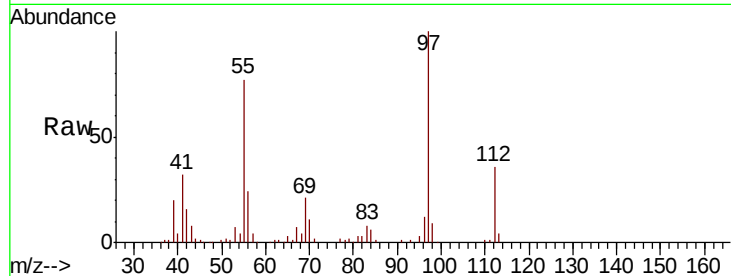




#55
 1,1,2-Trichloroethane
 Concen: 14.753 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX011409.D
 Acq: 09 Aug 2019 14:55

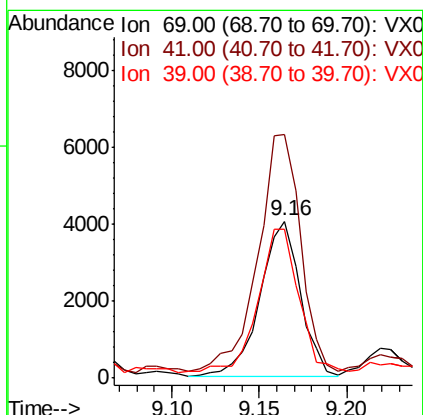
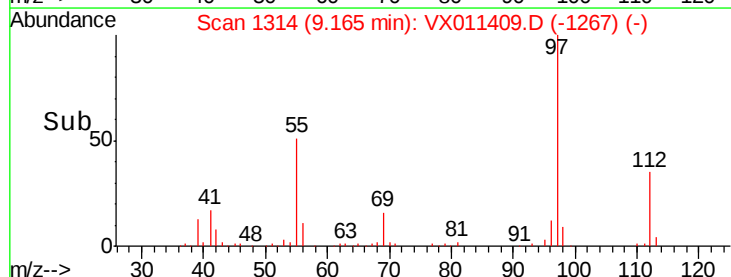
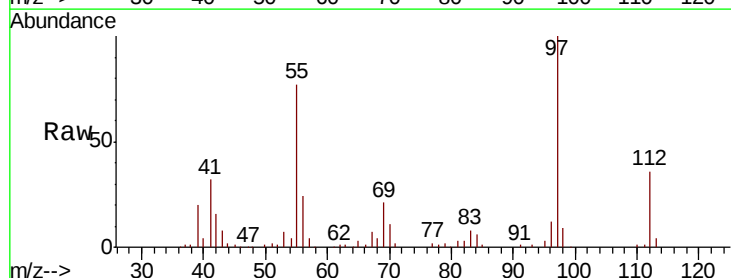
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

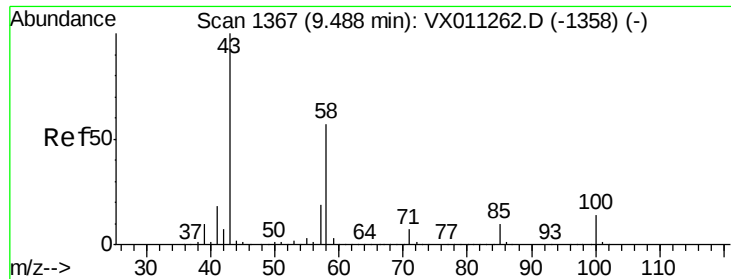
Tgt Ion: 97 Resp: 31895
 Ion Ratio Lower Upper
 97 100
 83 7.4 67.6 101.4#
 85 0.7 43.4 65.0#
 99 0.4 49.6 74.4#



#56
 Ethyl methacrylate
 Concen: 2.093 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX011409.D
 Acq: 09 Aug 2019 14:55

Tgt Ion: 69 Resp: 6447
 Ion Ratio Lower Upper
 69 100
 41 161.5 48.6 73.0#
 39 91.2 29.4 44.2#

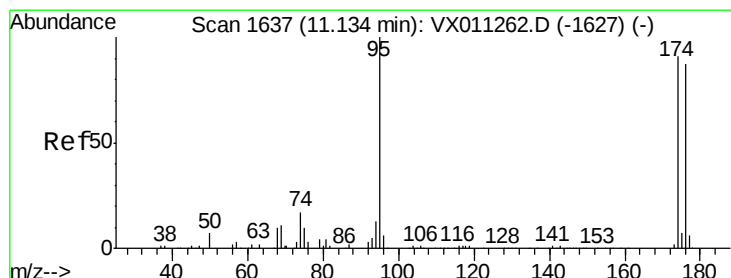
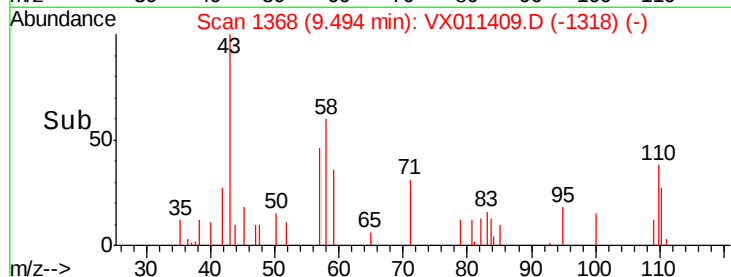
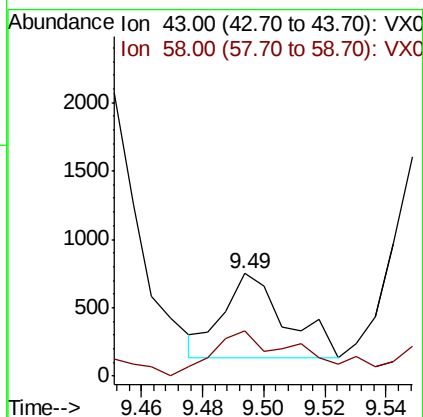
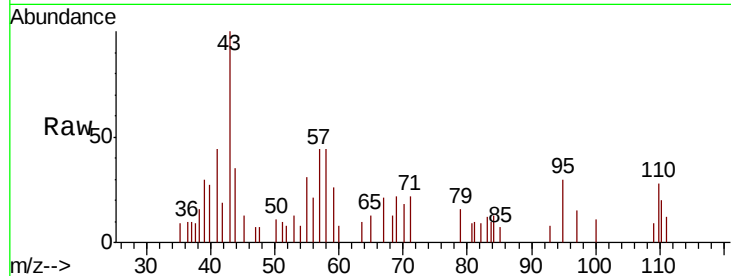




#59
2-Hexanone
Concen: 0.399 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

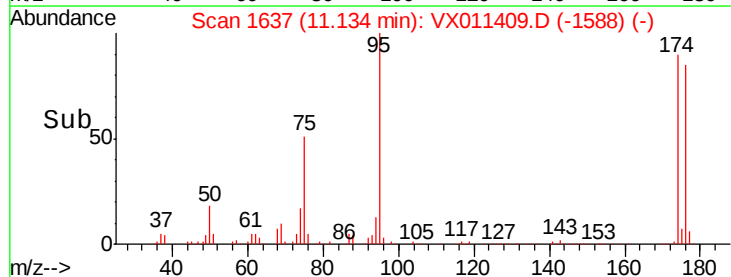
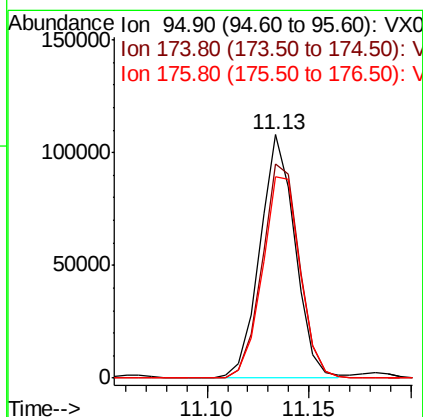
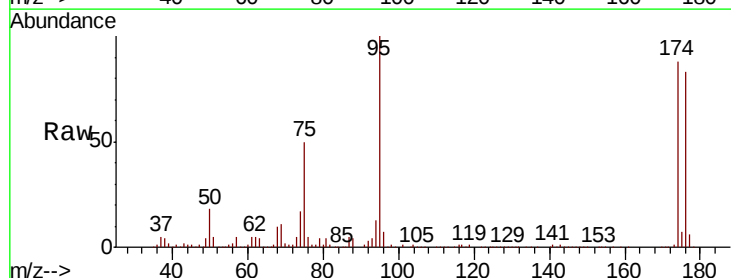
Instrument :
MSVOA_X
ClientSampled :
Z3-0671

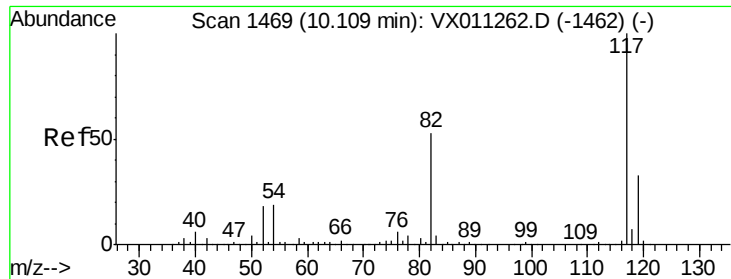
Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
58 80.0 28.2 84.6



#62
4-Bromofluorobenzene
Concen: 48.028 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 95 Resp: 128993
Ion Ratio Lower Upper
95 100
174 93.7 0.0 191.2
176 89.5 0.0 184.8

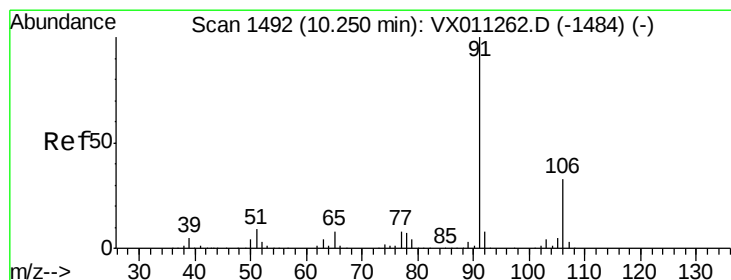
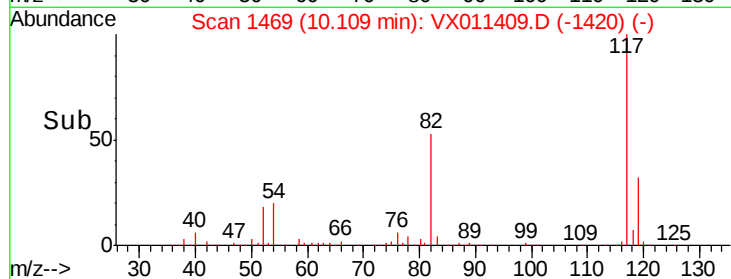
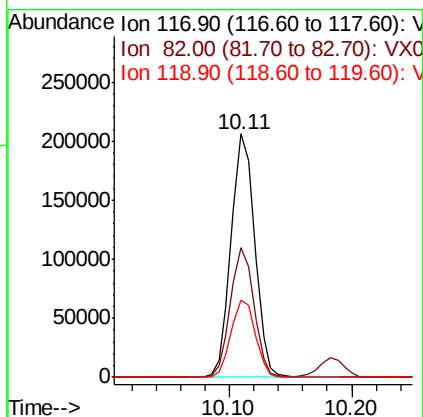
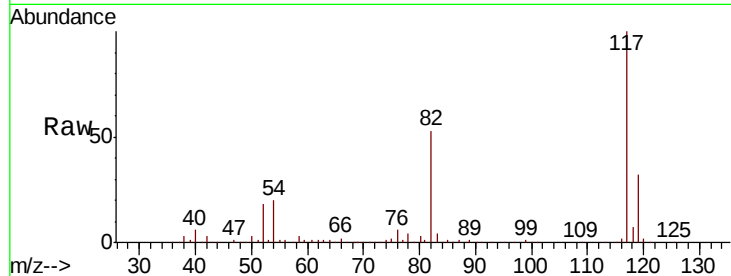




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

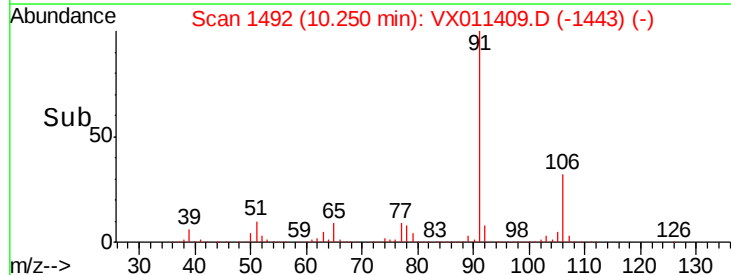
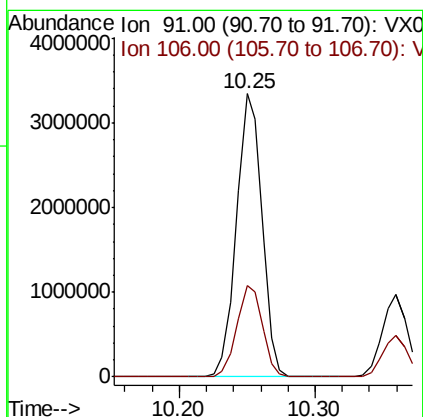
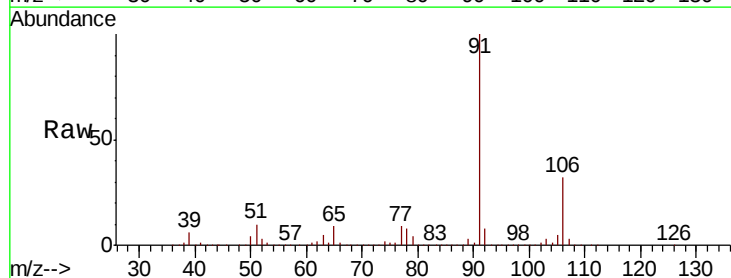
Instrument :
MSVOA_X
ClientSampled :
Z3-0671

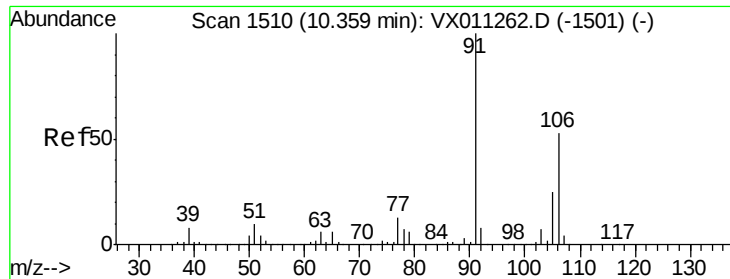
Tgt Ion: 117 Resp: 275796
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.2
119 31.9 26.6 39.8



#67
Ethyl Benzene
Concen: 439.419 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 91 Resp: 4351783
Ion Ratio Lower Upper
91 100
106 32.2 26.2 39.4

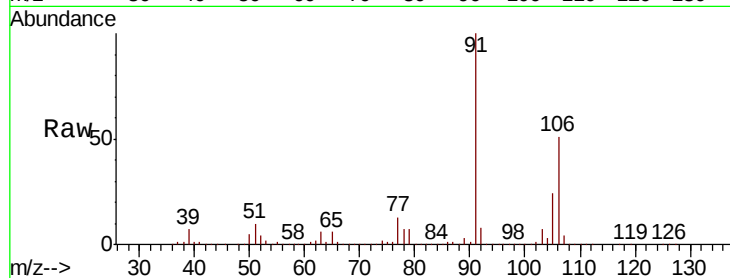




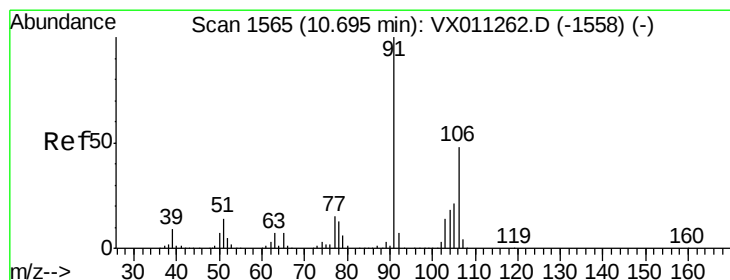
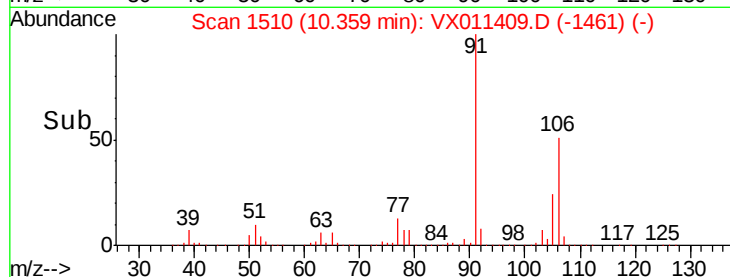
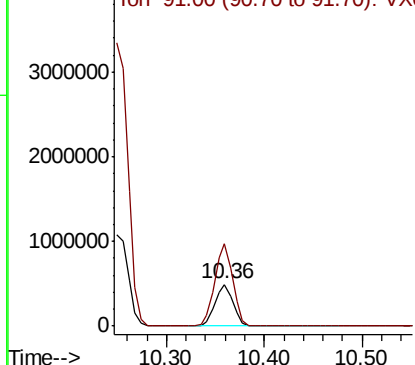
#68
m/p-Xylenes
Concen: 163.587 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

Tgt Ion:106 Resp: 626645
Ion Ratio Lower Upper
106 100
91 198.4 155.9 233.9

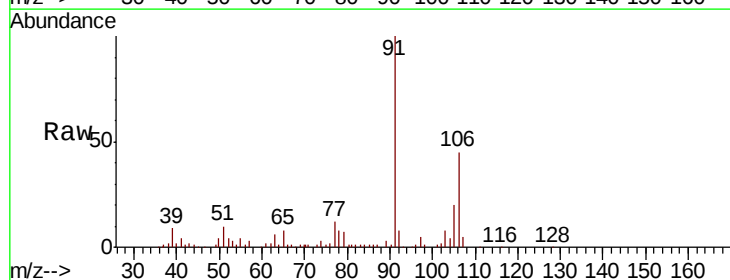


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

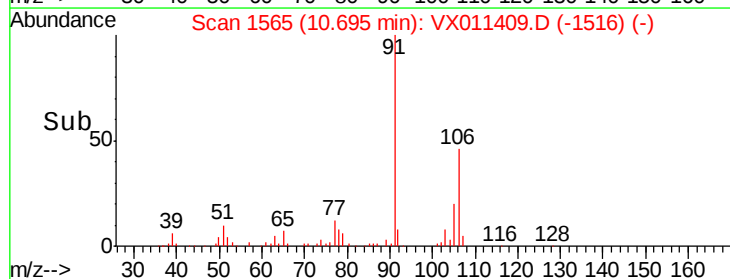
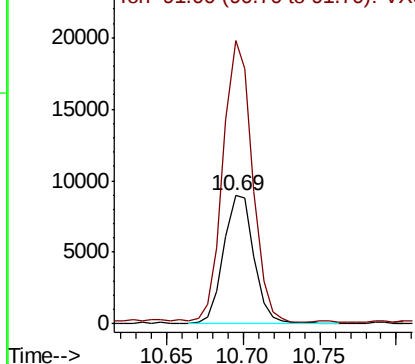


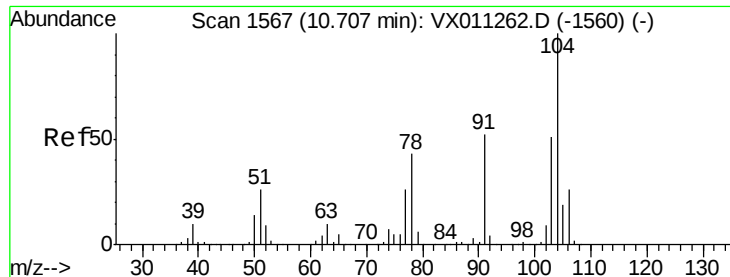
#69
o-Xylene
Concen: 3.315 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion:106 Resp: 12476
Ion Ratio Lower Upper
106 100
91 207.7 103.8 311.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#70

Styrene

Concen: 0.347 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

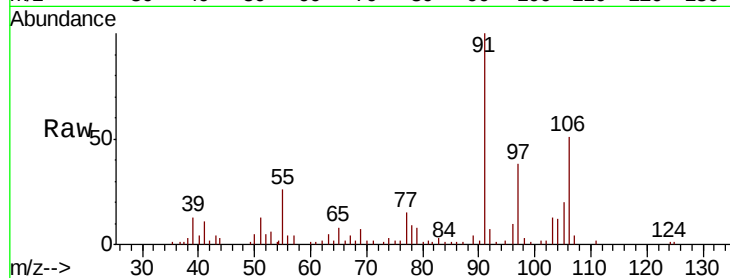
Tgt Ion:104 Resp: 2164

Ion Ratio Lower Upper

104 100

78 114.8 36.9 55.3#

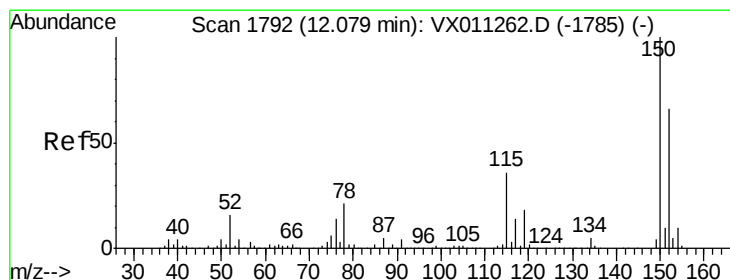
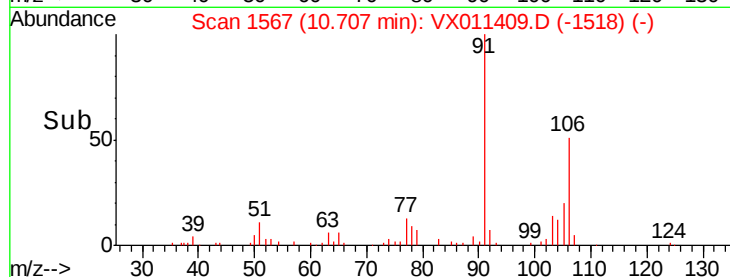
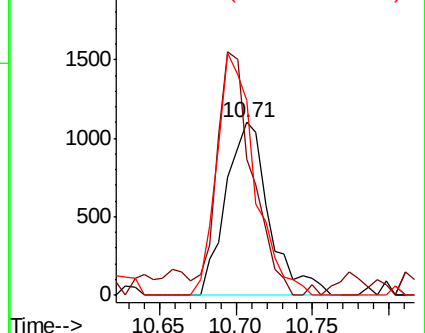
103 122.3 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX011409.D

Acq: 09 Aug 2019 14:55

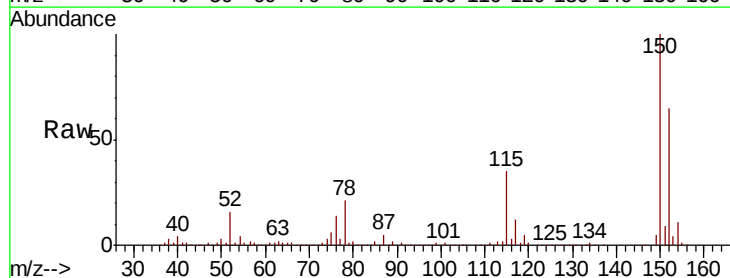
Tgt Ion:152 Resp: 151195

Ion Ratio Lower Upper

152 100

115 62.9 40.0 119.9

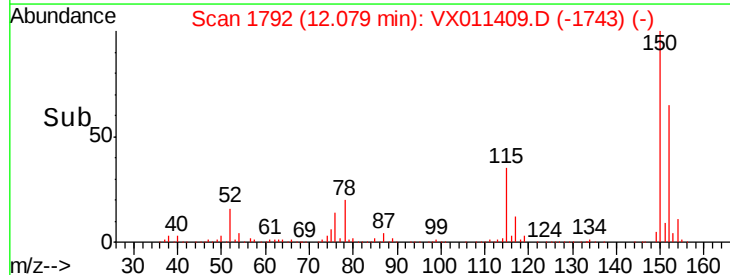
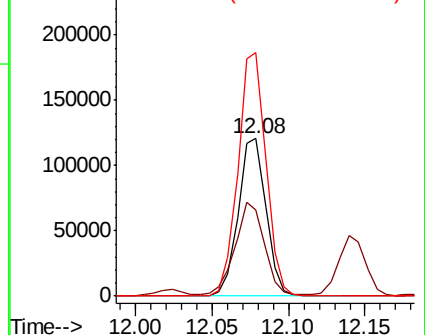
150 155.6 0.0 350.4

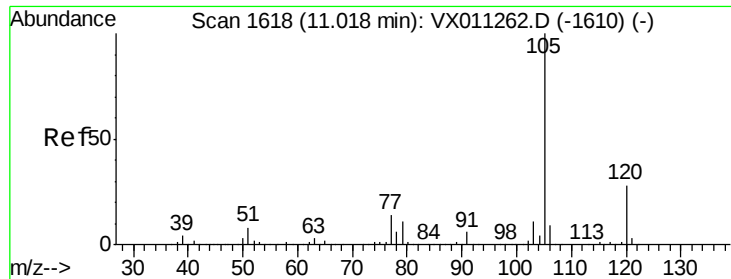


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.176 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

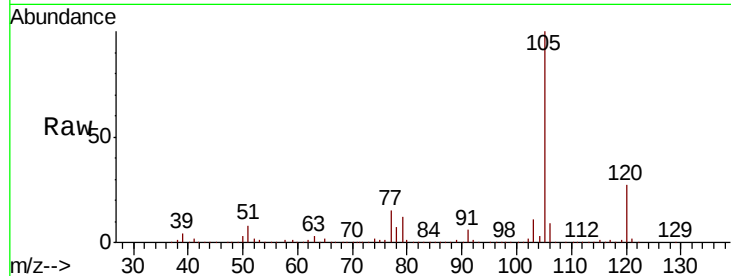
Z3-0671

Tgt Ion: 105 Resp: 446466

Ion Ratio Lower Upper

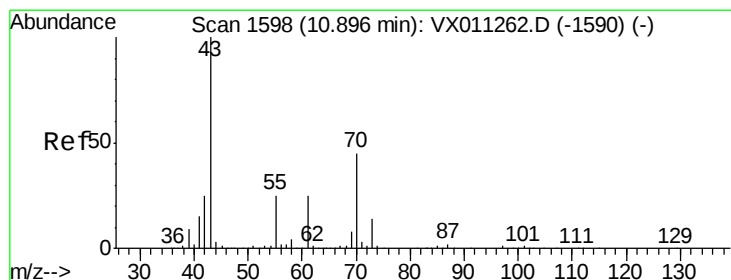
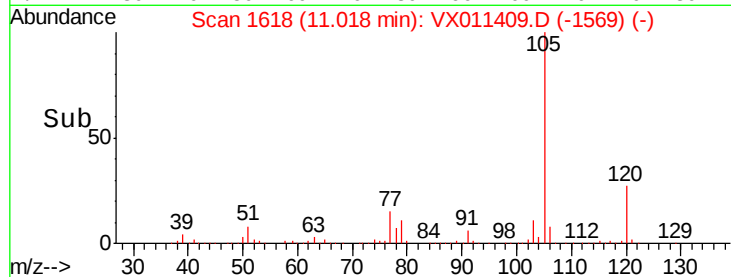
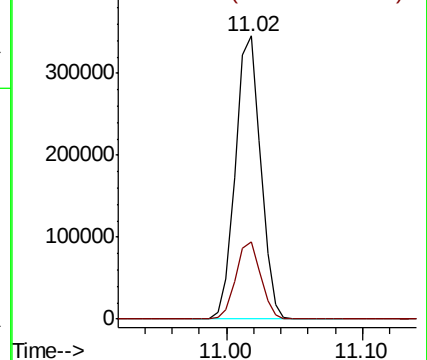
105 100

120 27.1 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.705 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Tgt Ion: 43 Resp: 2636

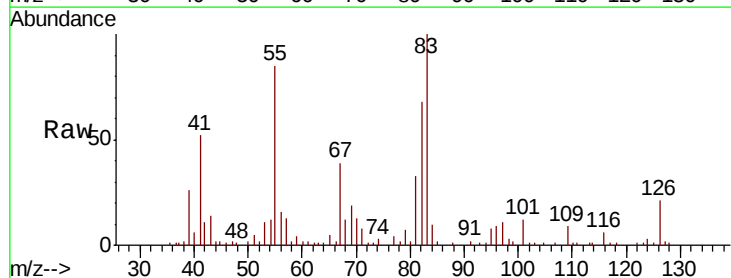
Ion Ratio Lower Upper

43 100

70 117.8 35.9 53.9#

55 550.9 19.8 29.6#

61 20.2 19.7 29.5

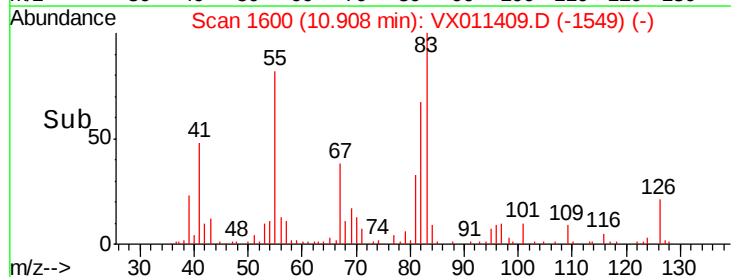
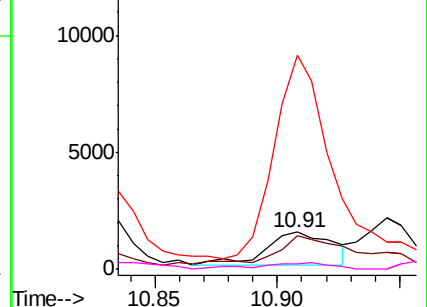


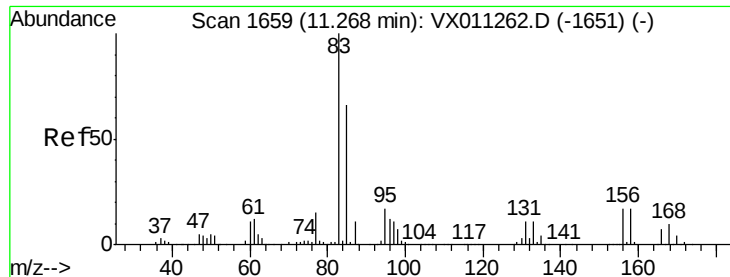
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.704 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

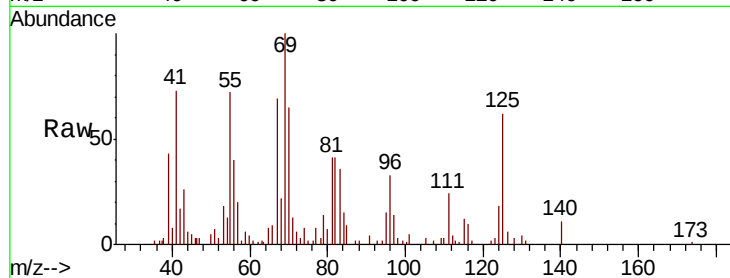
Tgt Ion: 83 Resp: 2425

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

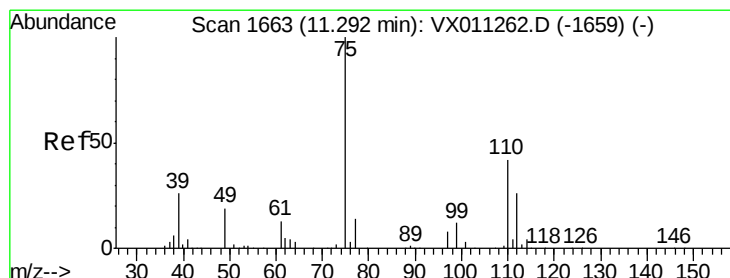
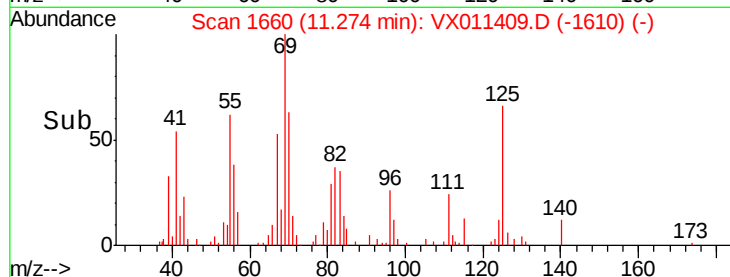
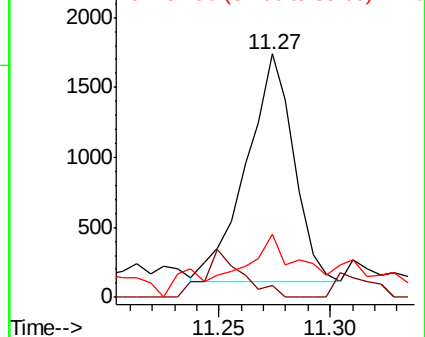
85 17.6 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.453 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX011409.D

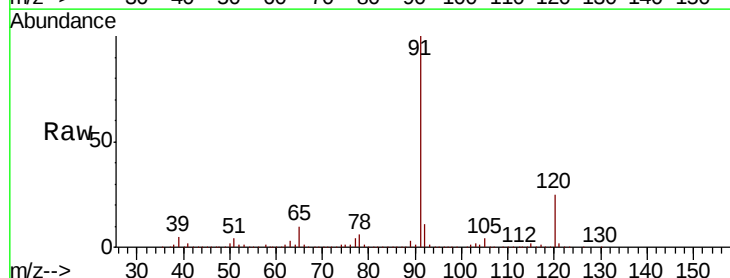
Acq: 09 Aug 2019 14:55

Tgt Ion: 75 Resp: 4001

Ion Ratio Lower Upper

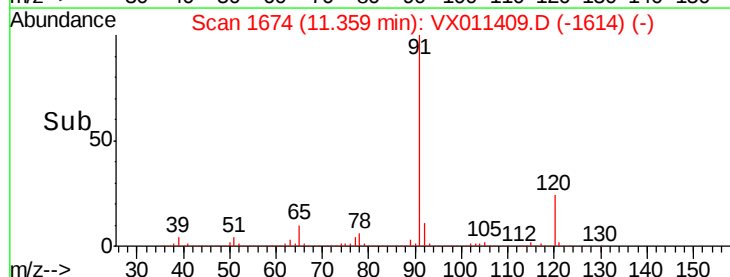
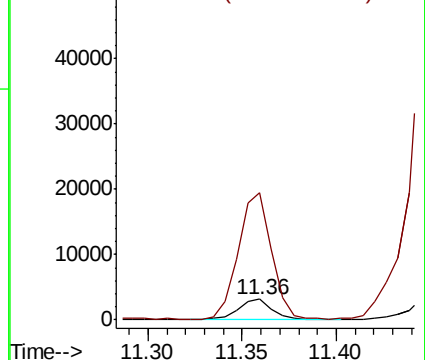
75 100

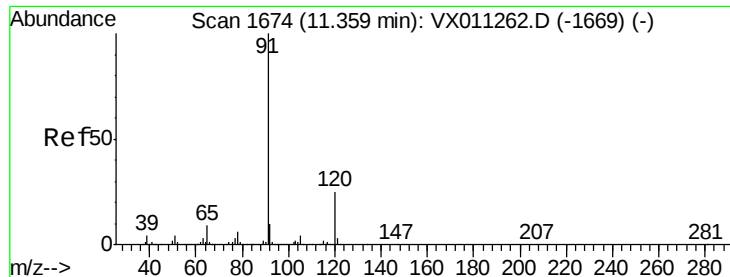
77 587.3 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

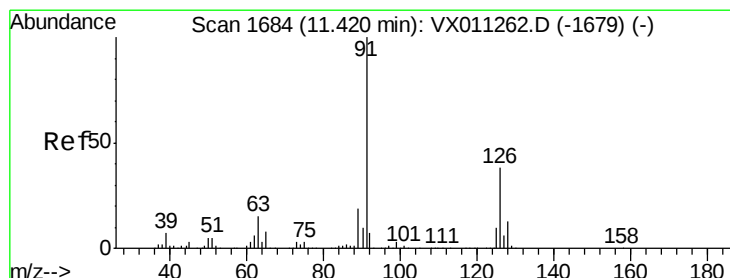
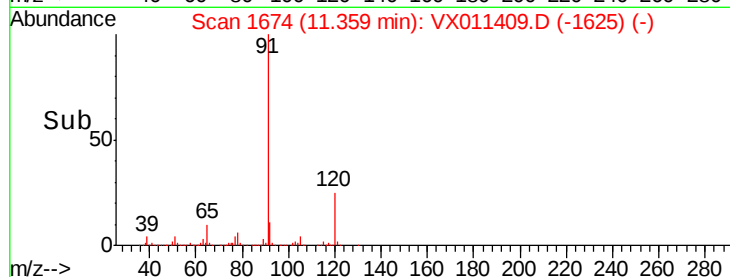
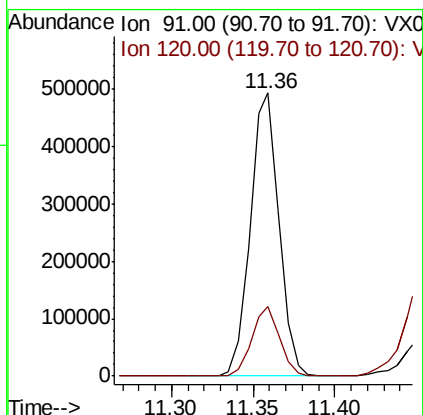
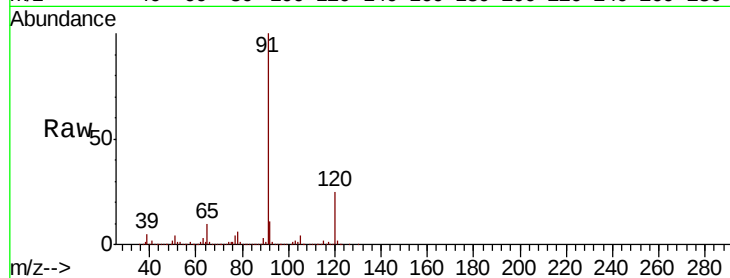




#78
n-propylbenzene
Concen: 52.283 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

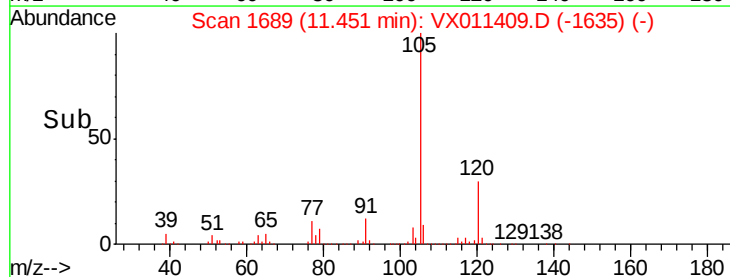
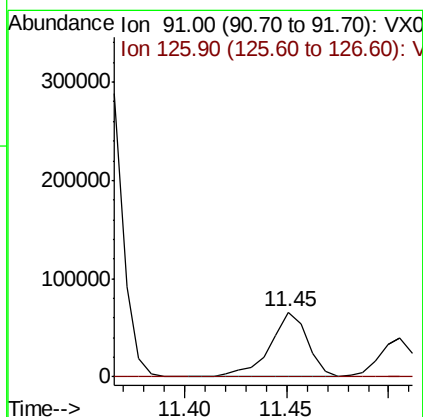
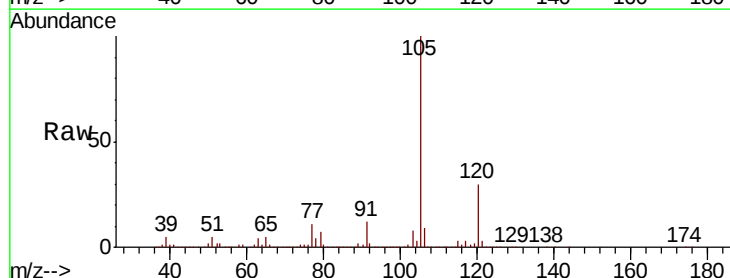
Instrument :
MSVOA_X
ClientSampled :
Z3-0671

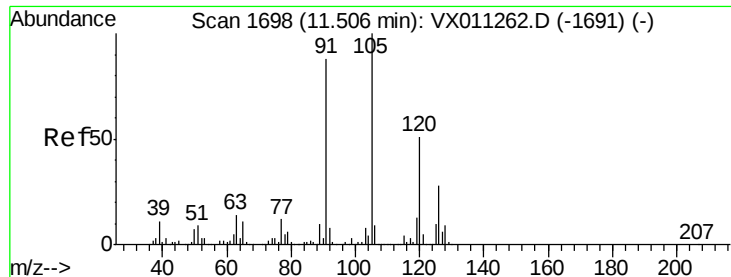
Tgt Ion: 91 Resp: 601229
Ion Ratio Lower Upper
91 100
120 23.9 12.4 37.0



#79
2-Chlorotoluene
Concen: 12.376 ug/l
RT: 11.45 min Scan# 1689
Delta R.T. 0.03 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 91 Resp: 84827
Ion Ratio Lower Upper
91 100
126 0.1 18.5 55.5#

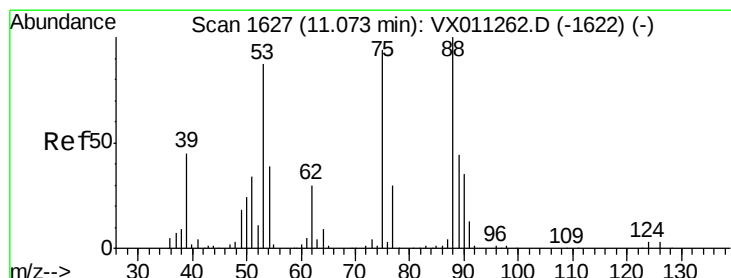
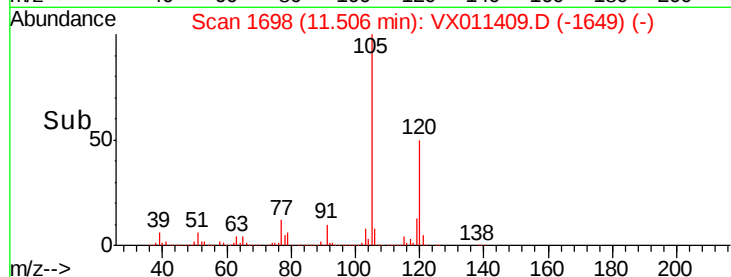
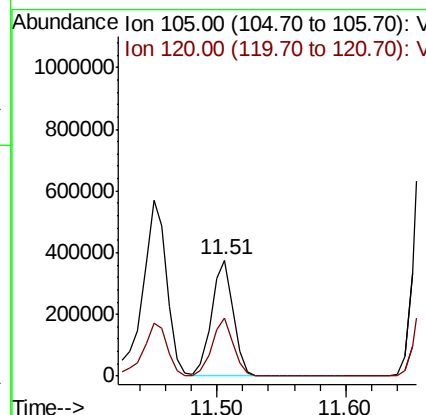
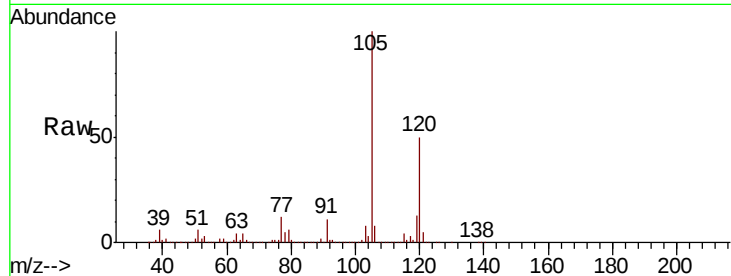




#80
 1,3,5-Trimethylbenzene
 Concen: 51.110 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011409.D
 Acq: 09 Aug 2019 14:55

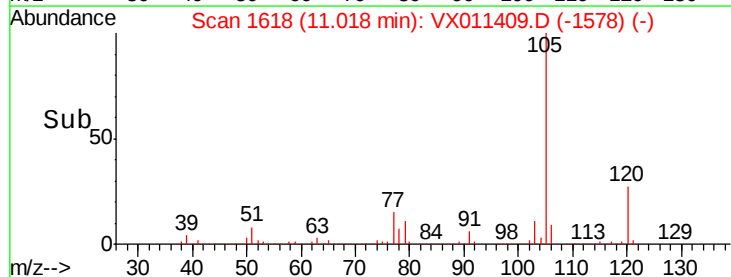
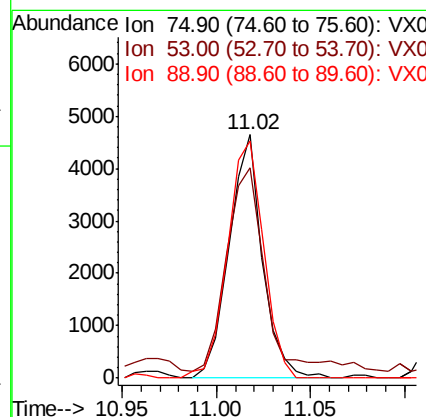
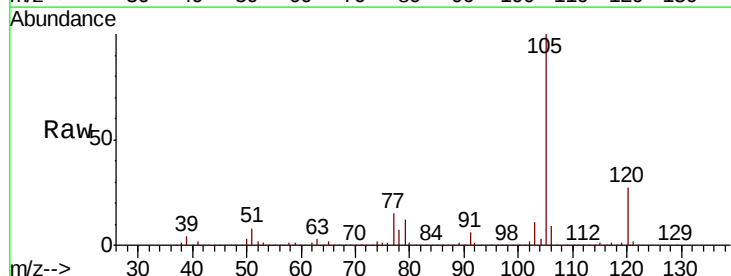
Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0671

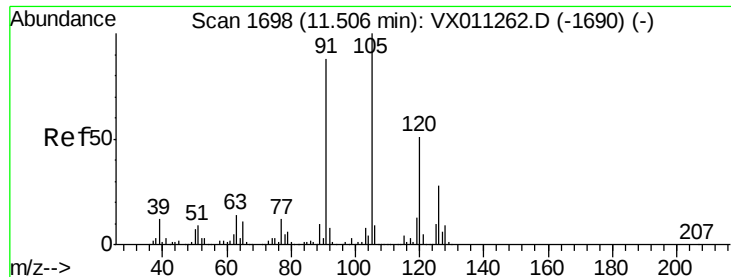
Tgt Ion:105 Resp: 442420
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.539 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.05 min
 Lab File: VX011409.D
 Acq: 09 Aug 2019 14:55

Tgt Ion: 75 Resp: 5682
 Ion Ratio Lower Upper
 75 100
 53 97.5 78.2 117.4
 89 105.6 37.9 56.9#





#82

4-Chlorotoluene

Concen: 5.908 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

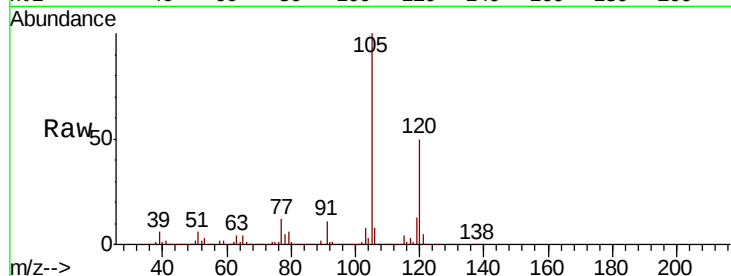
Z3-0671

Tgt Ion: 91 Resp: 47192

Ion Ratio Lower Upper

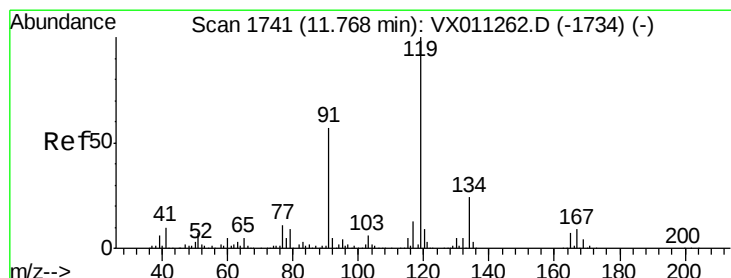
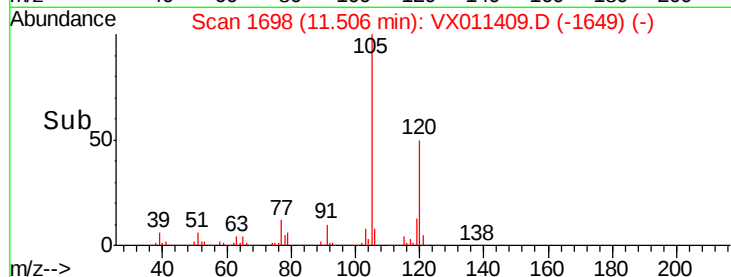
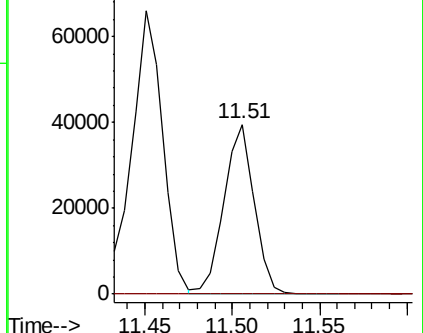
91 100

126 0.4 16.4 49.2#



Abundance Ion 91.00 (90.70 to 91.70): VX011409.D (-1649) (-)

Ion 125.90 (125.60 to 126.60): VX011409.D (-1649) (-)



#83

tert-Butylbenzene

Concen: 51.592 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.04 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

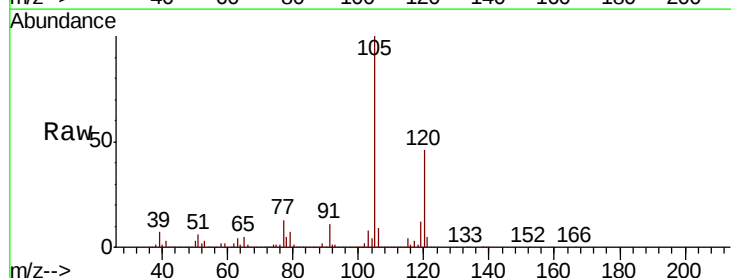
Tgt Ion: 119 Resp: 438007

Ion Ratio Lower Upper

119 100

91 84.7 28.0 84.0#

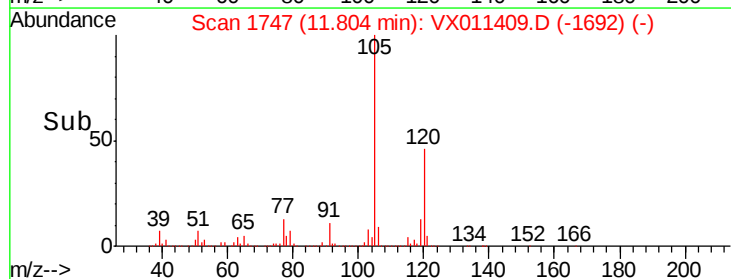
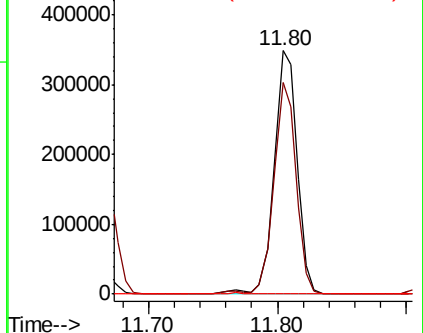
134 0.0 11.9 35.5#

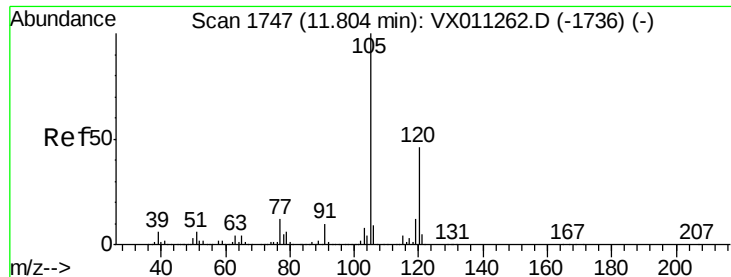


Abundance Ion 119.00 (118.70 to 119.70): VX011409.D (-1692) (-)

Ion 91.00 (90.70 to 91.70): VX011409.D (-1692) (-)

Ion 134.00 (133.70 to 134.70): VX011409.D (-1692) (-)





#84

1,2,4-Trimethylbenzene

Concen: 399.774 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

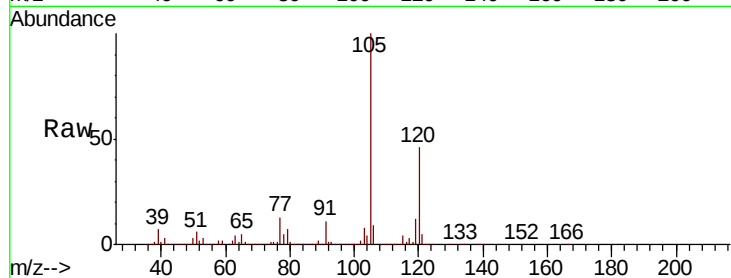
Z3-0671

Tgt Ion:105 Resp: 3445401

Ion Ratio Lower Upper

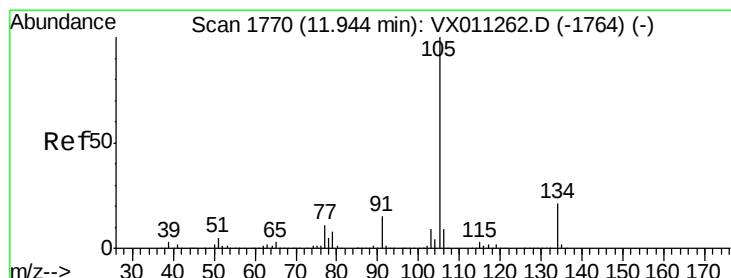
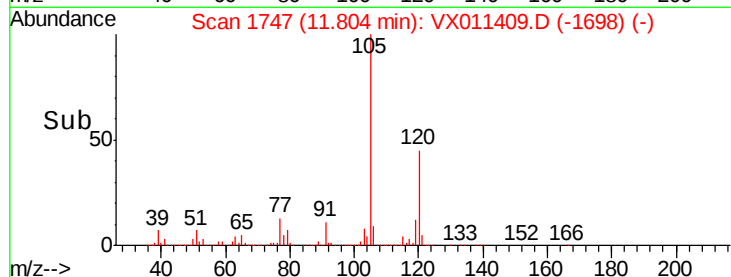
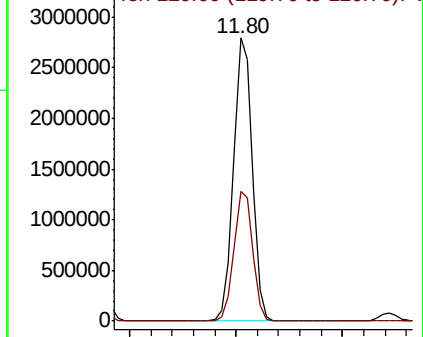
105 100

120 46.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 337.733 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX011409.D

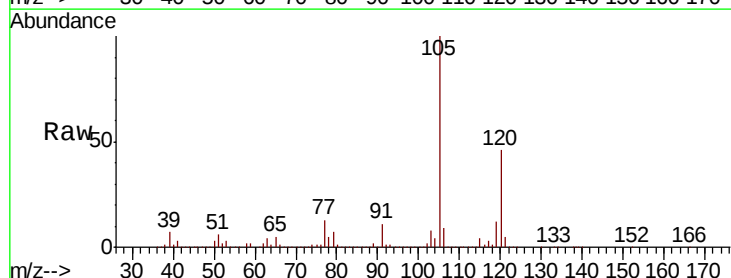
Acq: 09 Aug 2019 14:55

Tgt Ion:105 Resp: 3444926

Ion Ratio Lower Upper

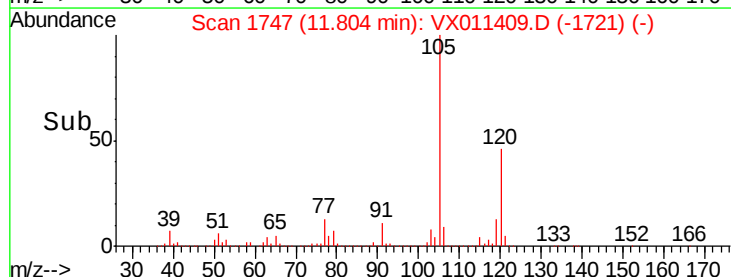
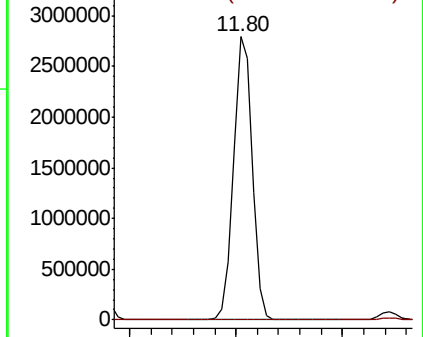
105 100

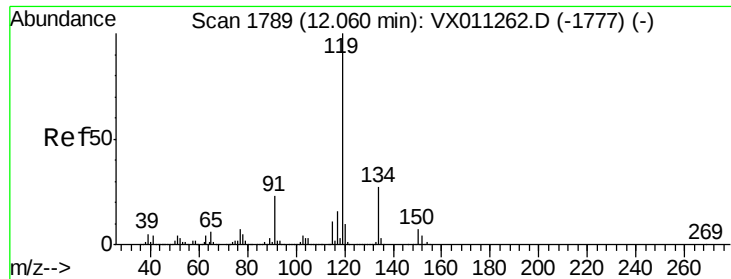
134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

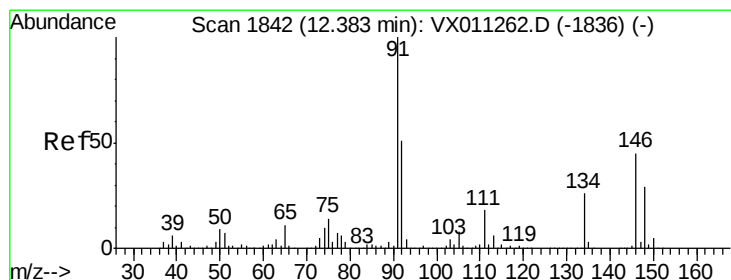
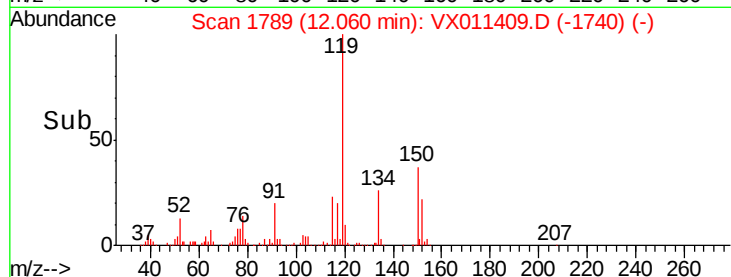
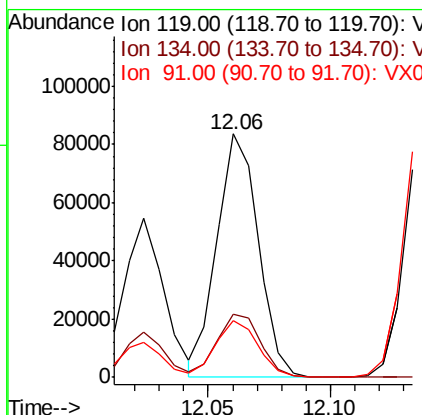
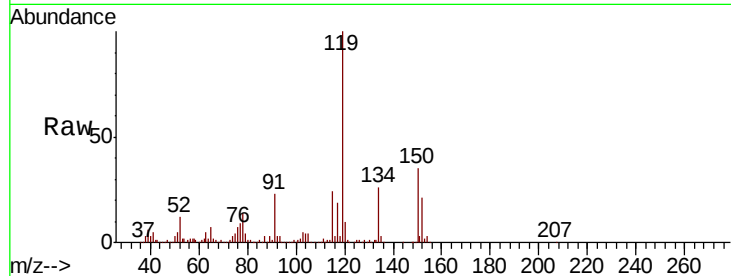




#86
p-Isopropyltoluene
Concen: 10.448 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

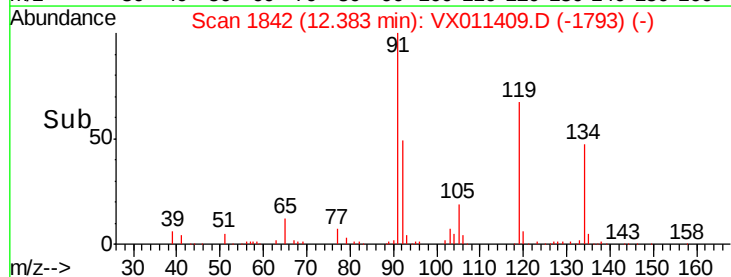
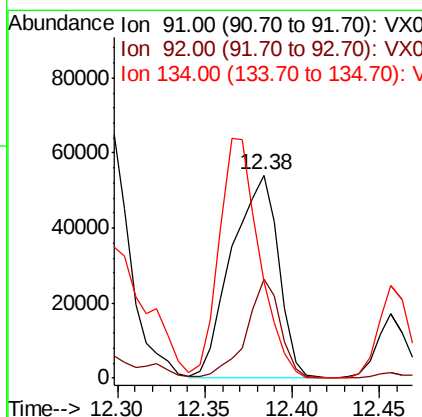
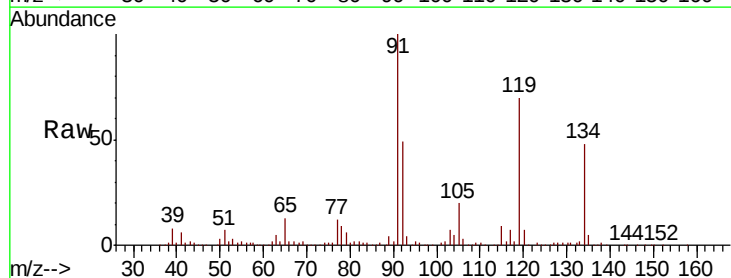
Instrument :
MSVOA_X
ClientSampled :
Z3-0671

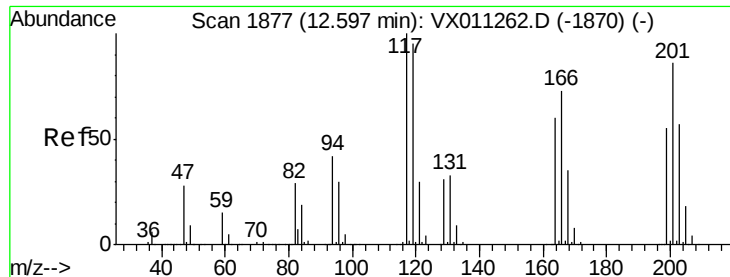
Tgt Ion: 119 Resp: 98046
Ion Ratio Lower Upper
119 100
134 27.4 13.7 41.0
91 23.5 11.4 34.2



#89
n-Butylbenzene
Concen: 12.375 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 91 Resp: 100046
Ion Ratio Lower Upper
91 100
92 35.2 25.8 77.3
134 102.1 13.7 41.0#

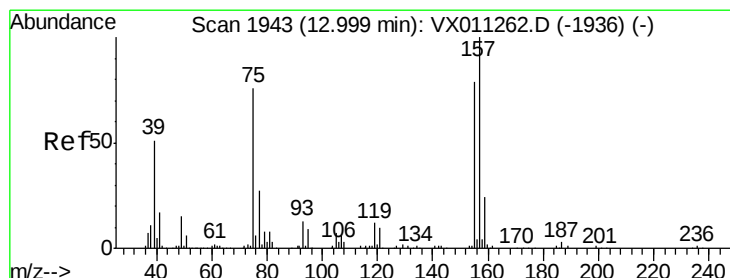
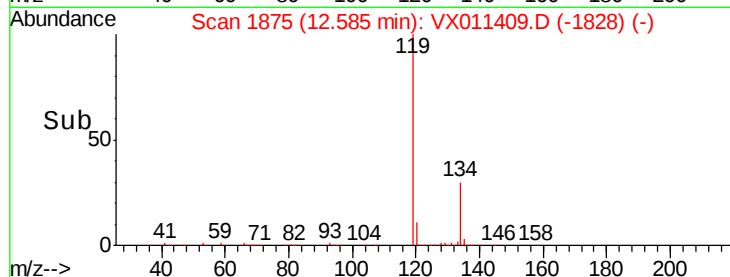
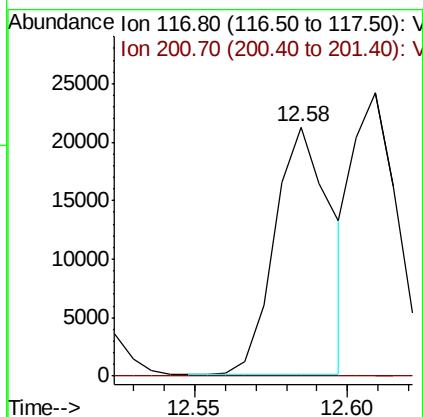
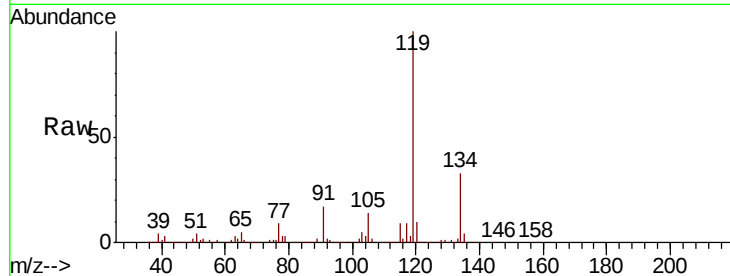




#90
Hexachloroethane
Concen: 19.638 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

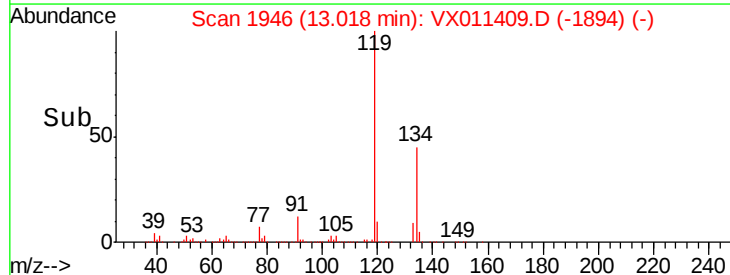
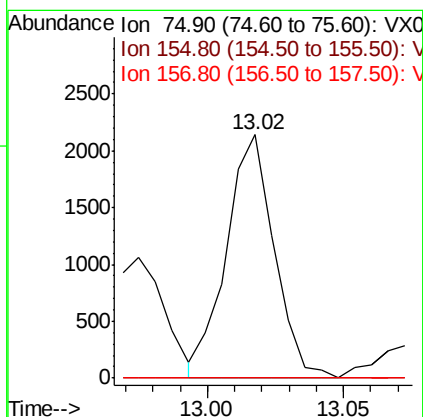
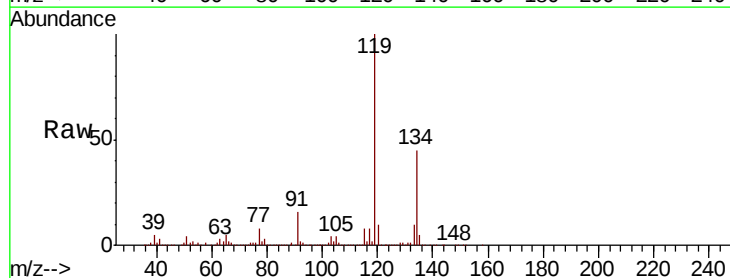
Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

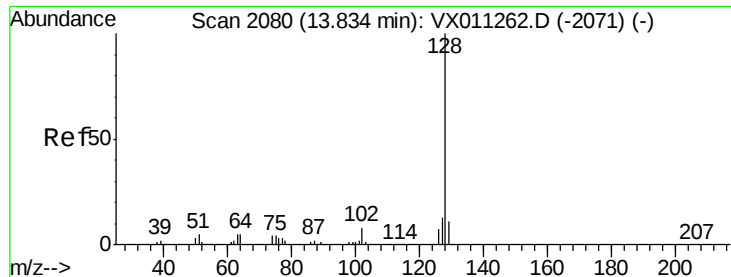
Tgt Ion:117 Resp: 27245
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.912 ug/l
RT: 13.02 min Scan# 1946
Delta R.T. 0.02 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 75 Resp: 2612
Ion Ratio Lower Upper
75 100
155 0.0 51.9 155.8#
157 0.0 64.3 192.7#

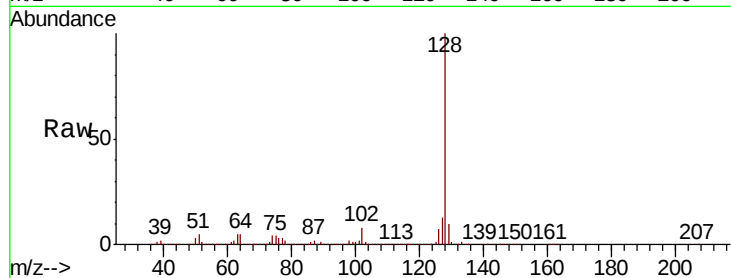




#95
Naphthalene
Concen: 65.806 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.2	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

