

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
 Data File : VX012408.D
 Acq On : 16 Sep 2019 15:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

Quant Time: Sep 17 04:50:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	128510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	199147	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	190208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118937	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	119127	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	5.48	113	88660	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
50) Toluene-d8	8.71	98	332132	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.13	95	134994	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	60524	48.793	ug/l	97
3) Chloromethane	1.32	50	49762	50.431	ug/l	99
4) Vinyl Chloride	1.40	62	52540	48.754	ug/l	97
5) Bromomethane	1.62	94	22284	48.533	ug/l	95
6) Chloroethane	1.70	64	35649	49.931	ug/l	94
7) Trichlorofluoromethane	1.92	101	100072	50.572	ug/l	100
8) Diethyl Ether	2.17	74	40636	47.145	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	71939	50.481	ug/l	100
10) Methyl Iodide	2.50	142	63144	46.357	ug/l	98
11) Tert butyl alcohol	3.03	59	139062	209.297	ug/l	99
12) 1,1-Dichloroethene	2.36	96	57672	51.425	ug/l	99
13) Acrolein	2.28	56	59938	209.353	ug/l	100
14) Allyl chloride	2.72	41	126975	49.097	ug/l	98
15) Acrylonitrile	3.13	53	253874	231.018	ug/l	99
16) Acetone	2.43	43	269310	227.710	ug/l	98
17) Carbon Disulfide	2.56	76	81440	48.825	ug/l	100
18) Methyl Acetate	2.76	43	116990	44.424	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	294453	48.582	ug/l	100
20) Methylene Chloride	2.84	84	73495	45.547	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	60132	49.875	ug/l	96
22) Diisopropyl ether	3.84	45	289787	48.800	ug/l	95
23) Vinyl Acetate	3.80	43	1242177	253.420	ug/l	100
24) 1,1-Dichloroethane	3.68	63	144442	48.611	ug/l	99
25) 2-Butanone	4.65	43	386289	229.259	ug/l	98
26) 2,2-Dichloropropane	4.57	77	142937	50.432	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	86305	48.844	ug/l	99
28) Bromochloromethane	5.00	49	70899	46.593	ug/l	100
29) Tetrahydrofuran	5.11	42	224793	230.024	ug/l	99
30) Chloroform	5.19	83	160410	46.718	ug/l	100
31) Cyclohexane	5.56	56	90016	49.757	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	139927	49.060	ug/l	100
36) 1,1-Dichloropropene	5.78	75	91161	49.537	ug/l	99
37) Ethyl Acetate	4.82	43	135981	47.991	ug/l	99
38) Carbon Tetrachloride	5.77	117	116290	51.780	ug/l	99

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Quant Time: Sep 17 04:50:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	96226	54.436	ug/l	99
40) Benzene	6.13	78	288233	50.828	ug/l	99
41) Methacrylonitrile	5.03	41	82371	50.916	ug/l	99
42) 1,2-Dichloroethane	6.18	62	126586	49.028	ug/l	100
43) Isopropyl Acetate	6.43	43	234373	48.210	ug/l	99
44) Trichloroethene	7.20	130	79474	52.181	ug/l	98
45) 1,2-Dichloropropane	7.50	63	86007	49.628	ug/l	96
46) Dibromomethane	7.65	93	57610	49.830	ug/l	98
47) Bromodichloromethane	7.89	83	130134	50.417	ug/l	98
48) Methyl methacrylate	7.76	41	110501	45.948	ug/l	100
49) 1,4-Dioxane	7.73	88	51415	926.921	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	752084	238.748	ug/l	100
52) Toluene	8.78	92	188867	51.165	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	140730	52.575	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	144830	52.343	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	91232	47.036	ug/l	97
56) Ethyl methacrylate	9.17	69	149106	51.096	ug/l	99
57) 1,3-Dichloropropane	9.37	76	152001	49.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	402798	256.450	ug/l	100
59) 2-Hexanone	9.49	43	583142	240.120	ug/l	99
60) Dibromochloromethane	9.57	129	103998	46.811	ug/l	99
61) 1,2-Dibromoethane	9.67	107	89800	50.330	ug/l	99
64) Tetrachloroethene	9.33	164	64453	51.101	ug/l	97
65) Chlorobenzene	10.14	112	223670	50.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	95581	50.729	ug/l	99
67) Ethyl Benzene	10.25	91	388814	51.302	ug/l	99
68) m/p-Xylenes	10.35	106	290149	103.715	ug/l	98
69) o-Xylene	10.70	106	147475	50.834	ug/l	100
70) Styrene	10.71	104	264287	52.504	ug/l	99
71) Bromoform	10.85	173	74351	45.333	ug/l #	99
73) Isopropylbenzene	11.01	105	418929	50.699	ug/l	99
74) N-amyl acetate	10.89	43	215515	49.203	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	156470	47.223	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	187426	60.960	ug/l	86
77) Bromobenzene	11.25	156	103871	48.821	ug/l	99
78) n-propylbenzene	11.35	91	471476	50.487	ug/l	99
79) 2-Chlorotoluene	11.42	91	297670	49.653	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	362636	50.398	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53069	48.726	ug/l	97
82) 4-Chlorotoluene	11.51	91	353240	50.527	ug/l	98
83) tert-Butylbenzene	11.77	119	386694	50.666	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	375364	51.412	ug/l	100
85) sec-Butylbenzene	11.94	105	434650	51.512	ug/l	99
86) p-Isopropyltoluene	12.06	119	406277	52.556	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200255	50.280	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	201460	50.013	ug/l	99
89) n-Butylbenzene	12.38	91	368015	53.908	ug/l	100
90) Hexachloroethane	12.59	117	76592	51.250	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	202932	49.775	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41753	47.705	ug/l	99

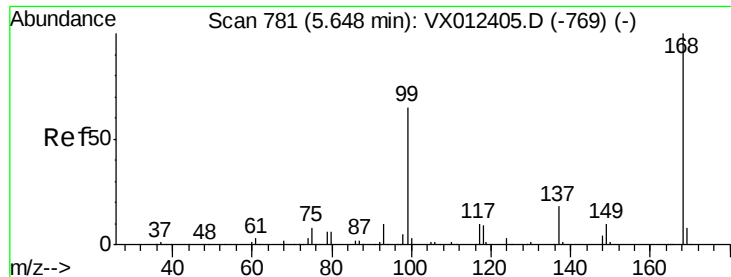
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
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Quant Time: Sep 17 04:50:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 04:36:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	145277	53.254	ug/l	98
94) Hexachlorobutadiene	13.78	225	68451	52.106	ug/l	99
95) Naphthalene	13.83	128	490044	48.667	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	143819	52.857	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

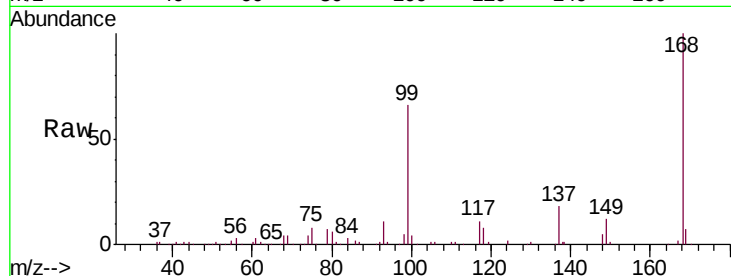
ICVVX091619

Tgt Ion:168 Resp: 128510

Ion Ratio Lower Upper

168 100

99 65.6 51.8 77.6

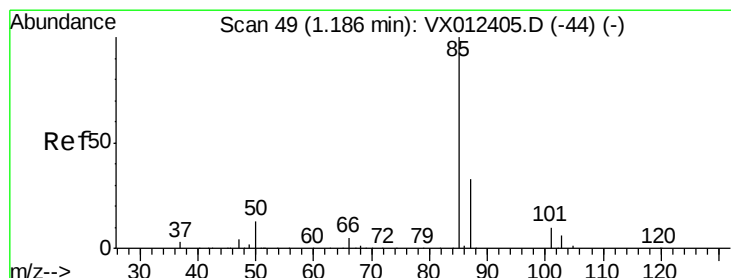
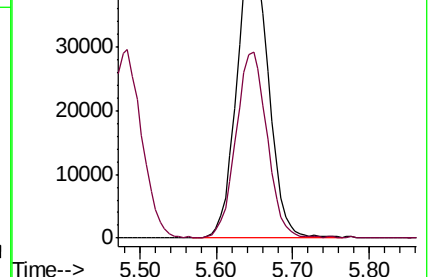
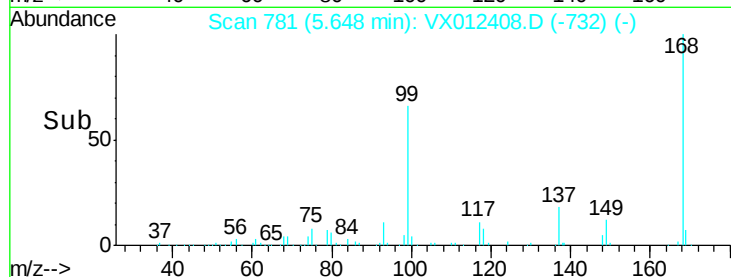


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 48.793 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012408.D

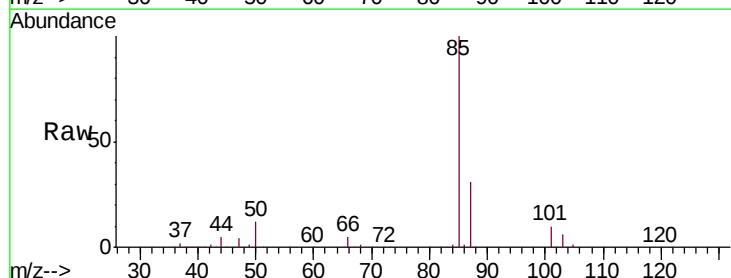
Acq: 16 Sep 2019 15:00

Tgt Ion: 85 Resp: 60524

Ion Ratio Lower Upper

85 100

87 30.9 16.4 49.2

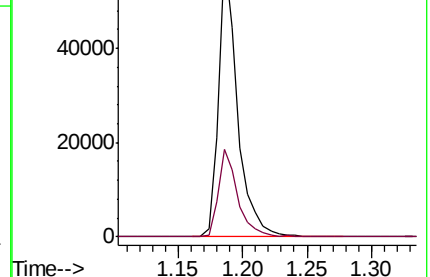
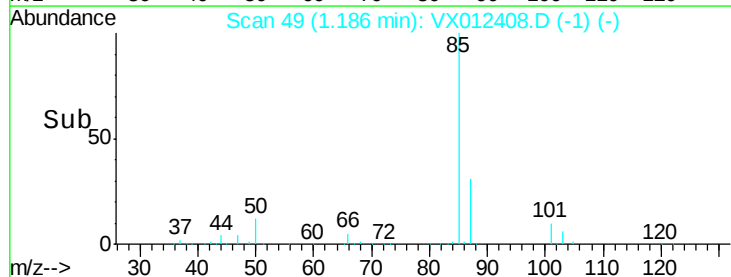


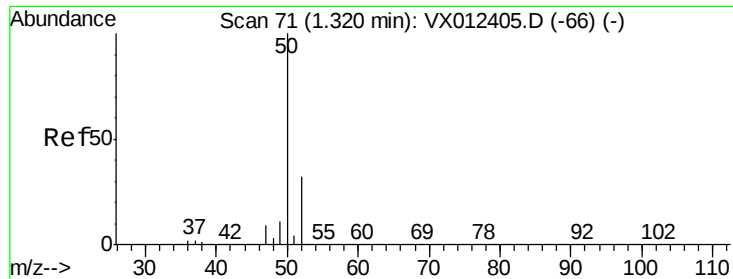
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

Time-->





#3

Chloromethane

Concen: 50.431 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

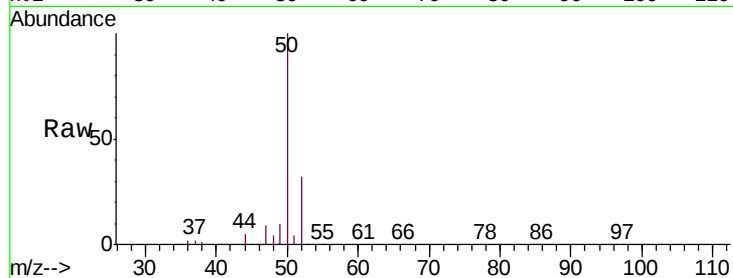
ICVVX091619

Tgt Ion: 50 Resp: 49762

Ion Ratio Lower Upper

50 100

52 32.2 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

40000

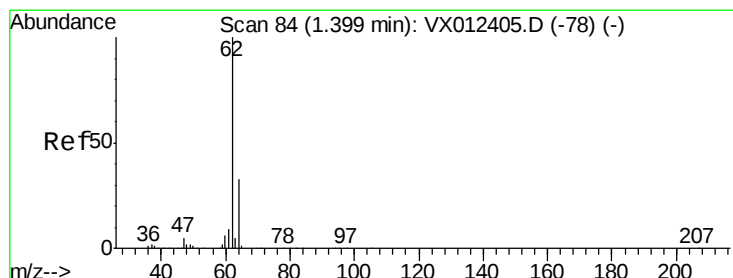
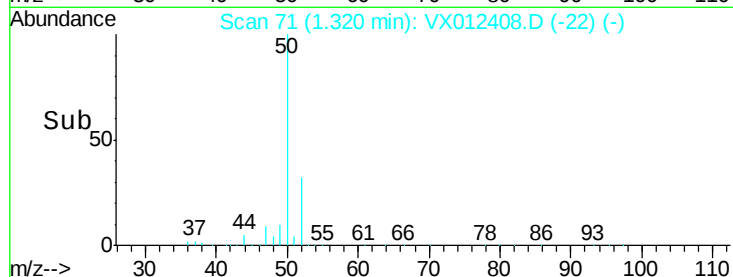
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 48.754 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012408.D

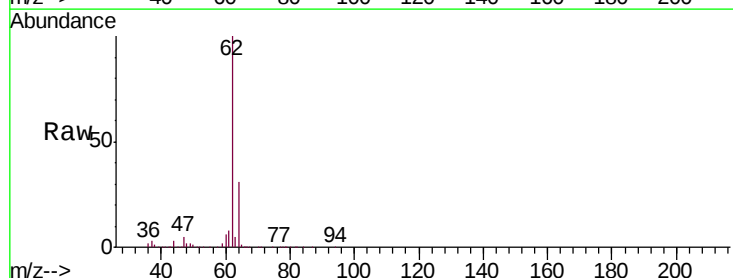
Acq: 16 Sep 2019 15:00

Tgt Ion: 62 Resp: 52540

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

60000

50000

40000

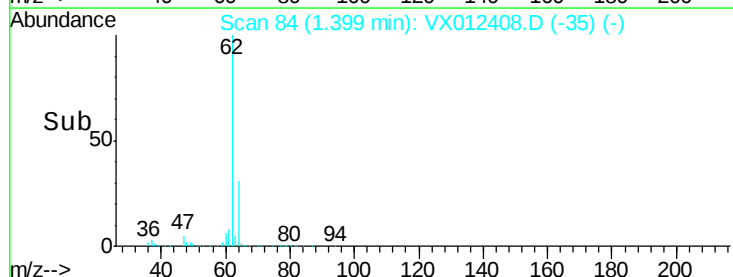
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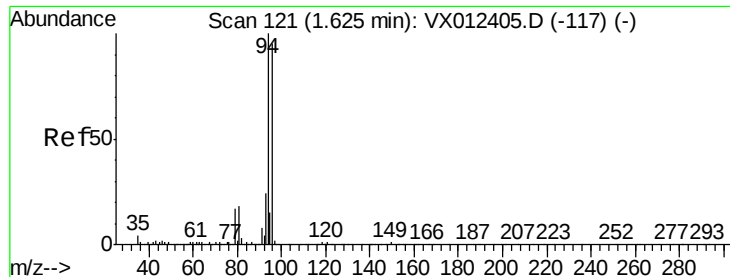
20000

10000

0

Time-->





#5

Bromomethane

Concen: 48.533 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

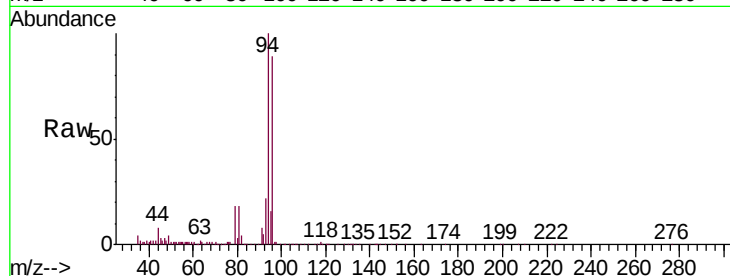
ICVVX091619

Tgt Ion: 94 Resp: 22284

Ion Ratio Lower Upper

94 100

96 89.9 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

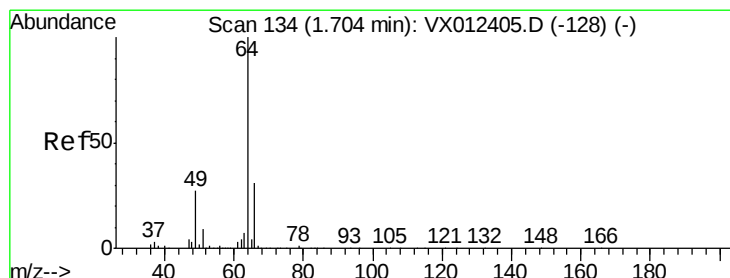
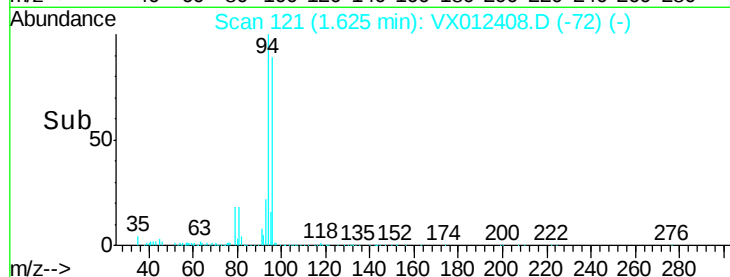
10000

5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 49.931 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX012408.D

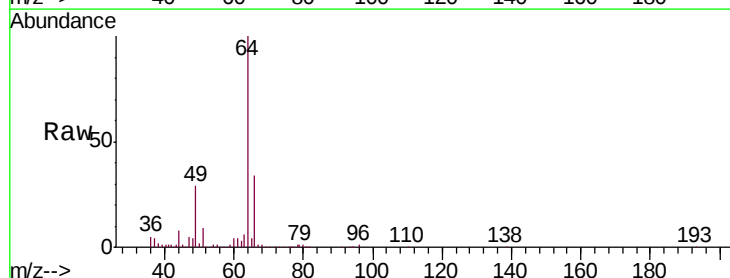
Acq: 16 Sep 2019 15:00

Tgt Ion: 64 Resp: 35649

Ion Ratio Lower Upper

64 100

66 34.2 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

30000

25000

20000

15000

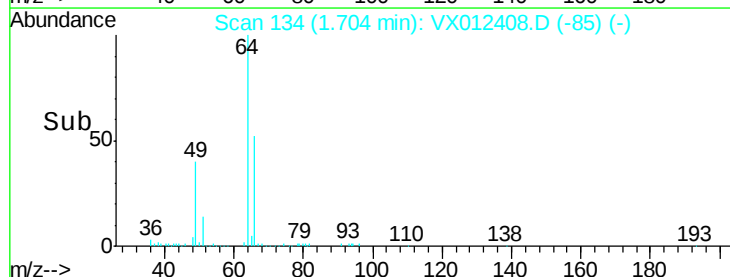
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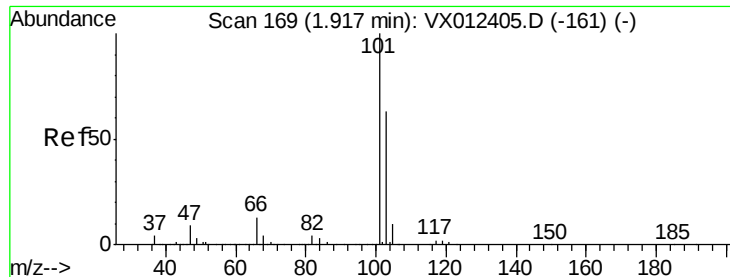
5000

0

1.60 1.65 1.70 1.75 1.80

Time-->



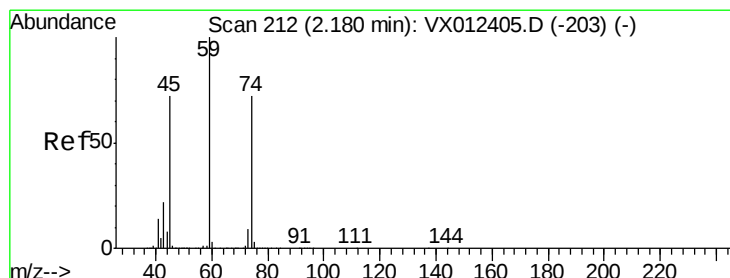
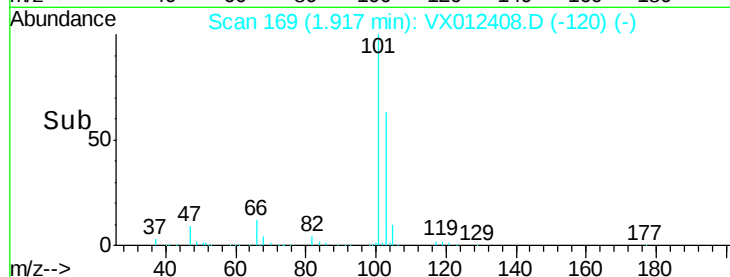
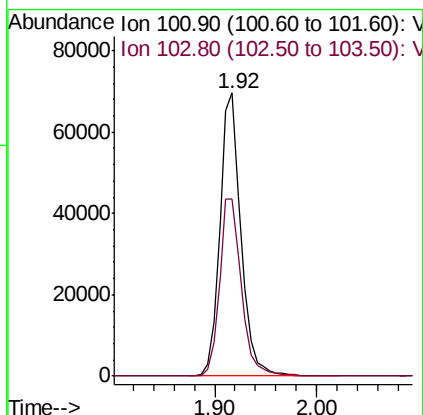
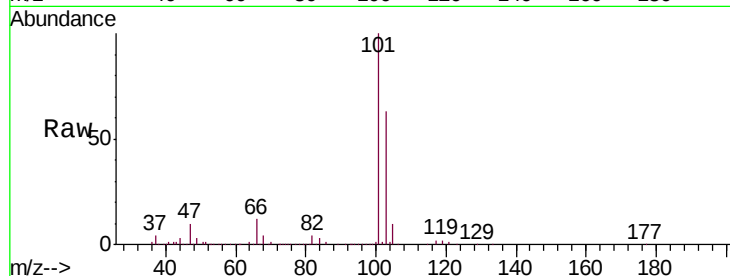


#7

Trichlorofluoromethane
 Concen: 50.572 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

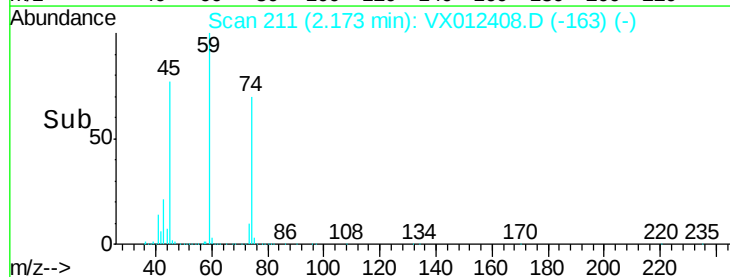
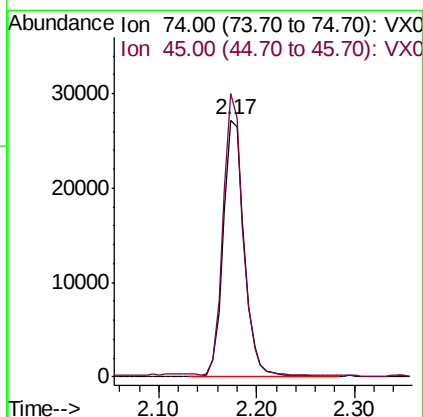
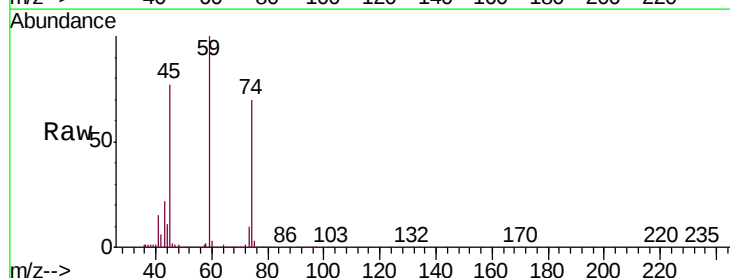
Tgt Ion:101 Resp: 100072
 Ion Ratio Lower Upper
 101 100
 103 62.7 50.5 75.7

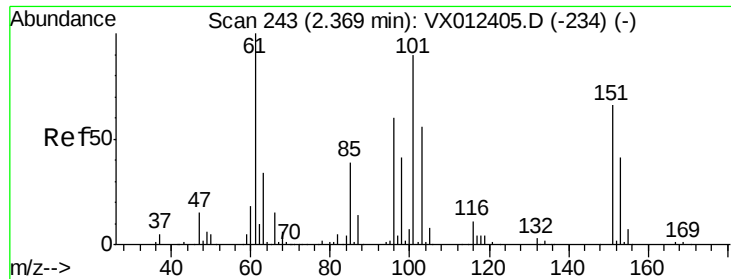


#8

Diethyl Ether
 Concen: 47.145 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Tgt Ion: 74 Resp: 40636
 Ion Ratio Lower Upper
 74 100
 45 103.4 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.481 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

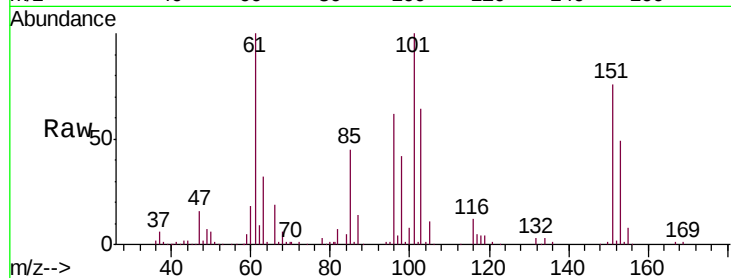
Tgt Ion:101 Resp: 71939

Ion Ratio Lower Upper

101 100

85 45.3 36.3 54.5

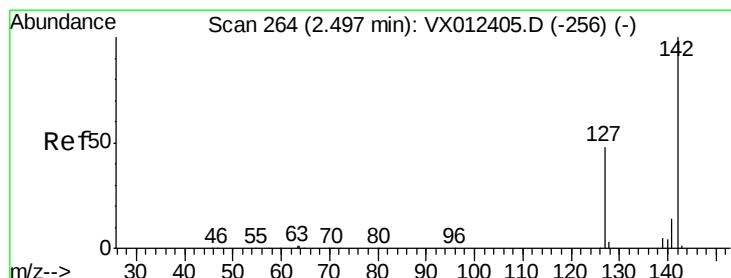
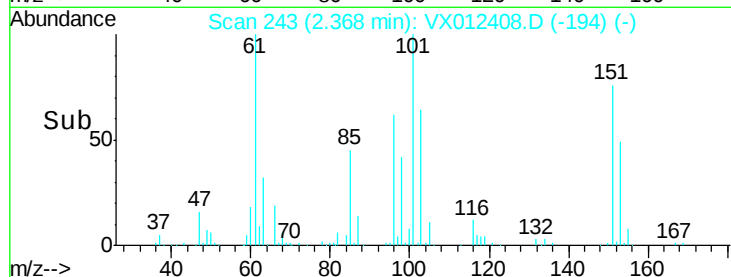
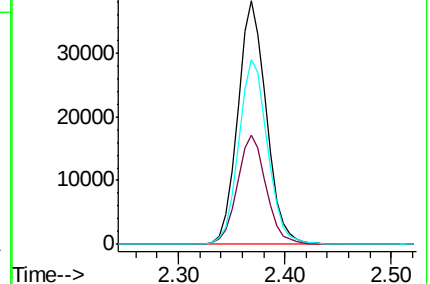
151 76.7 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.357 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

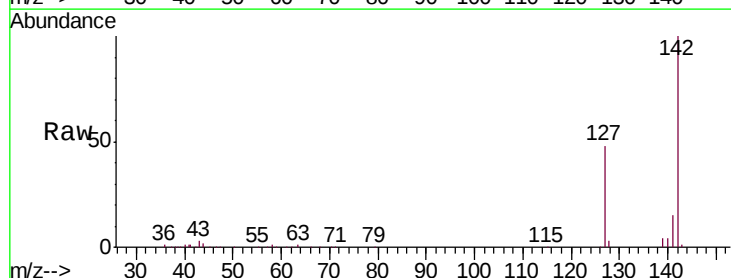
Tgt Ion:142 Resp: 63144

Ion Ratio Lower Upper

142 100

127 47.8 39.6 59.4

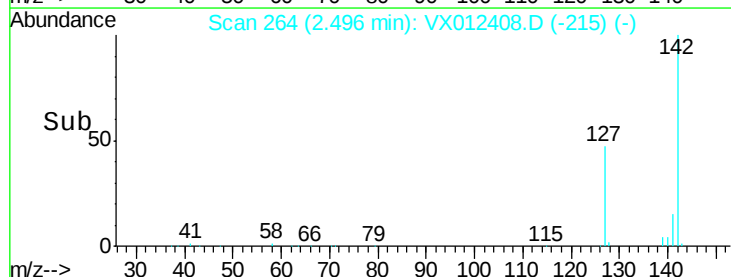
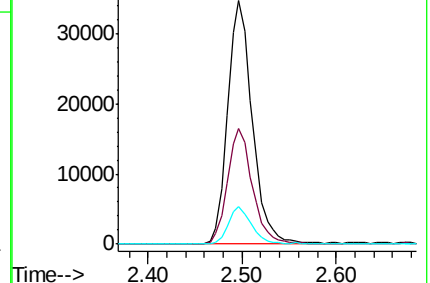
141 14.7 11.6 17.4

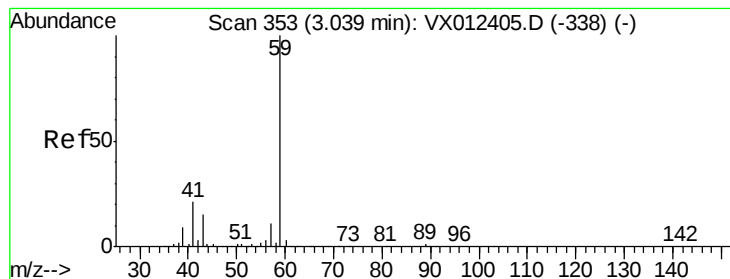


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



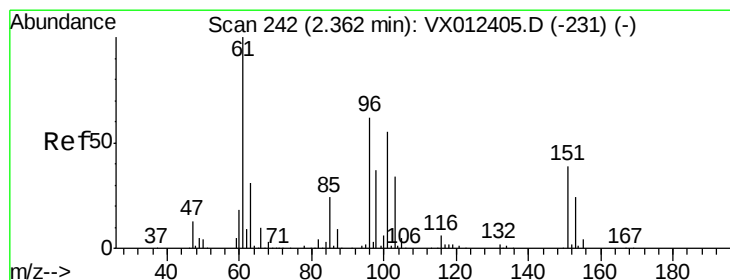
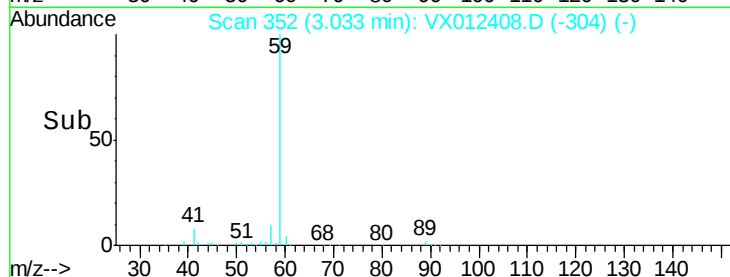
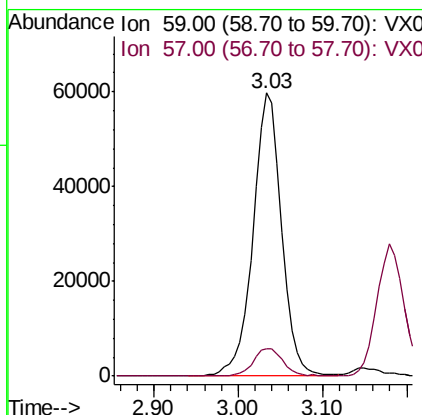
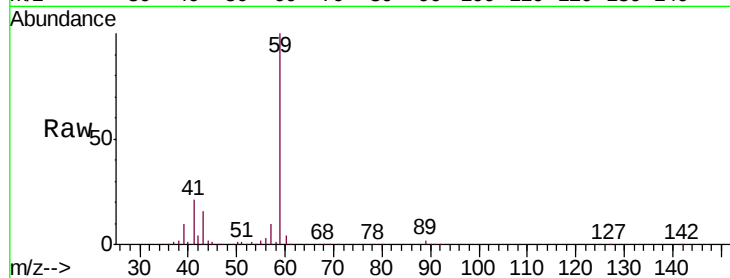


#11

Tert butyl alcohol
 Concen: 209.297 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

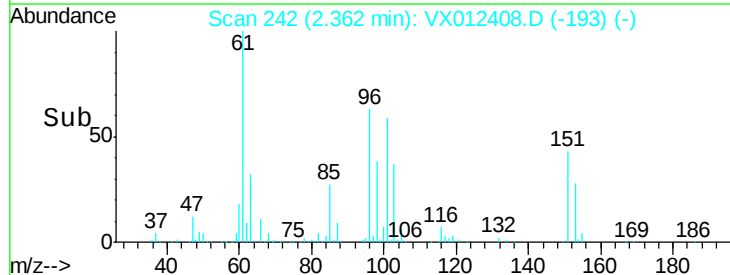
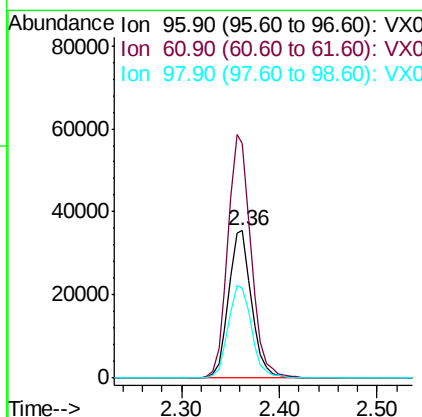
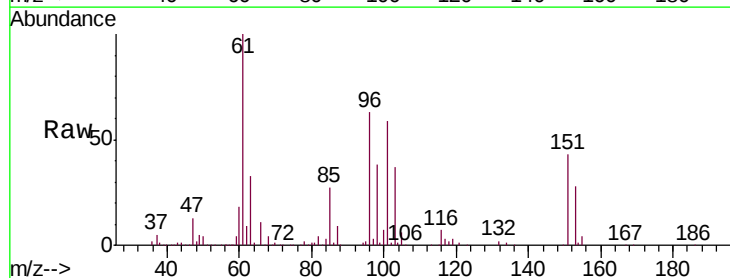
Tgt Ion: 59 Resp: 139062
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.6 12.8

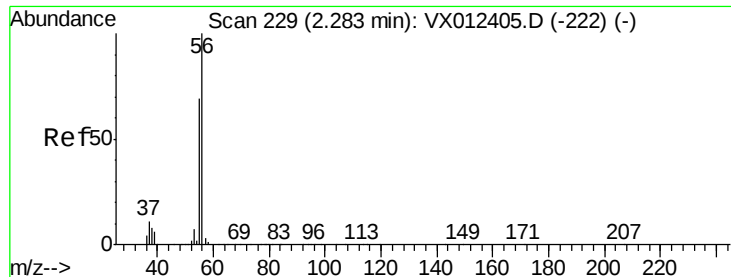


#12

1,1-Dichloroethene
 Concen: 51.425 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Tgt Ion: 96 Resp: 57672
 Ion Ratio Lower Upper
 96 100
 61 159.8 129.8 194.6
 98 60.8 48.5 72.7





#13

Acrolein

Concen: 209.353 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

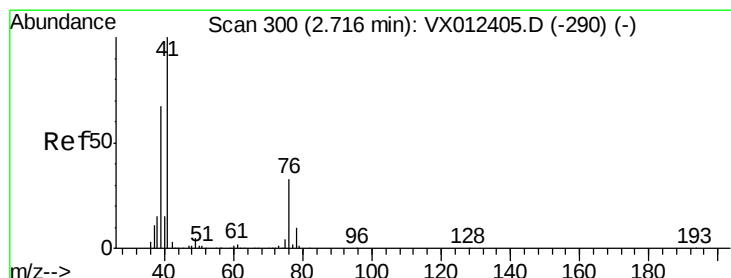
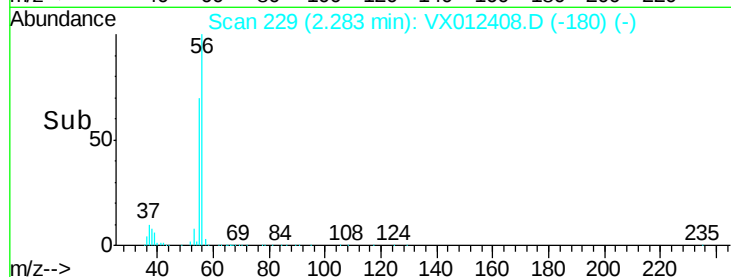
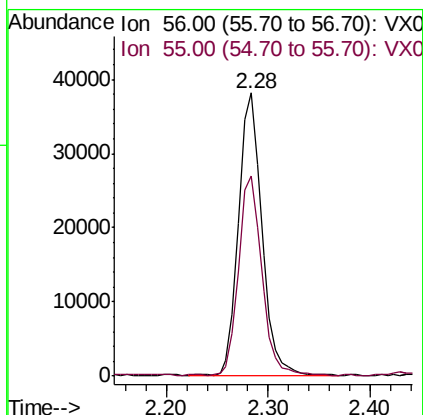
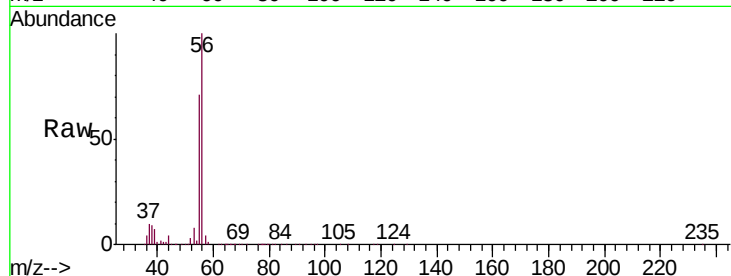
ICVVX091619

Tgt Ion: 56 Resp: 59938

Ion Ratio Lower Upper

56 100

55 70.2 56.1 84.1



#14

Allyl chloride

Concen: 49.097 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

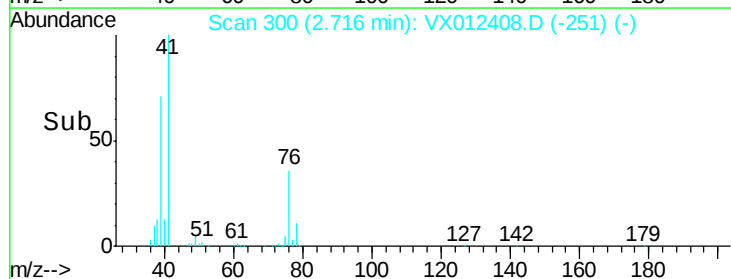
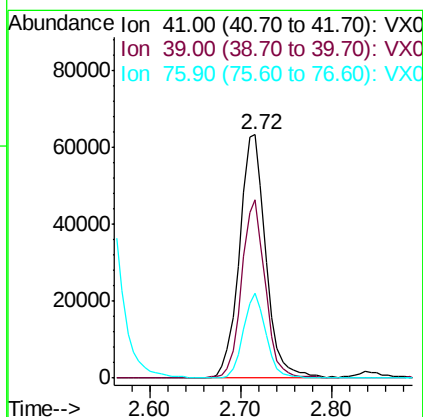
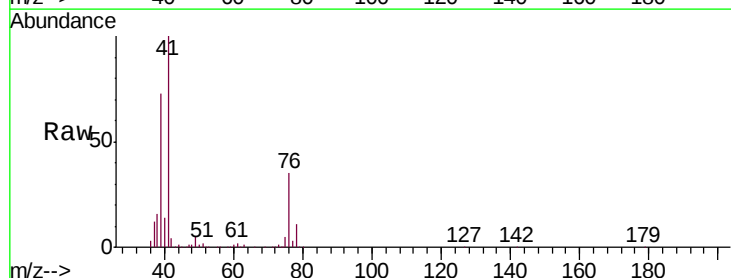
Tgt Ion: 41 Resp: 126975

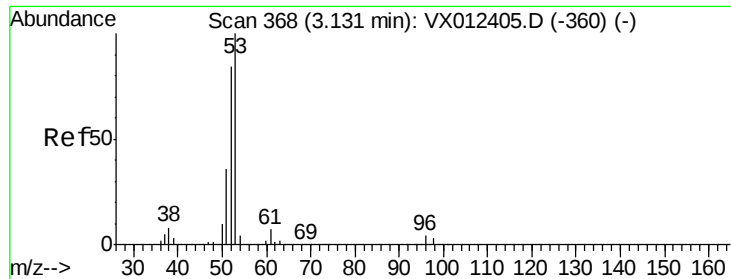
Ion Ratio Lower Upper

41 100

39 65.3 51.1 76.7

76 30.1 23.4 35.2





#15

Acrylonitrile

Concen: 231.018 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

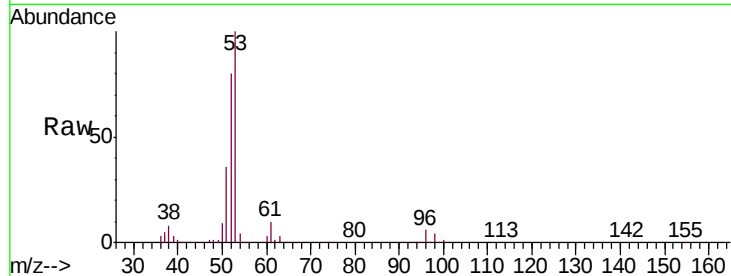
Tgt Ion: 53 Resp: 253874

Ion Ratio Lower Upper

53 100

52 82.6 67.4 101.2

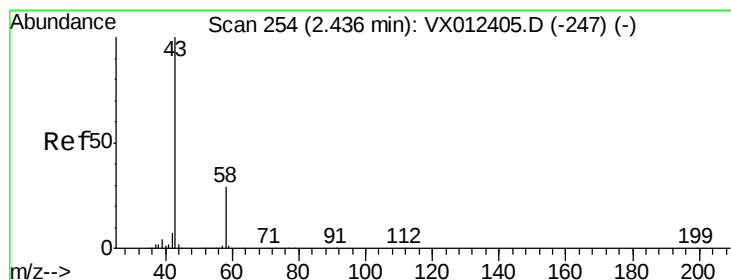
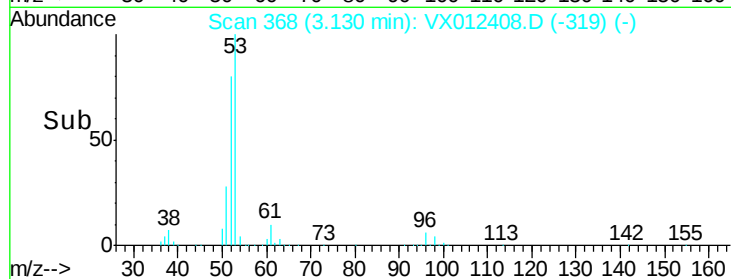
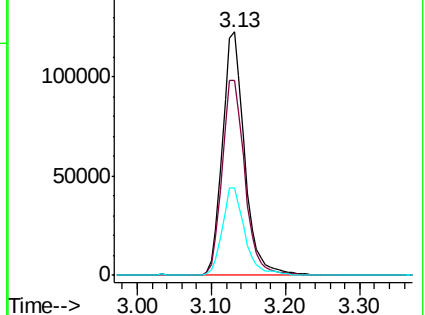
51 36.9 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 227.710 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012408.D

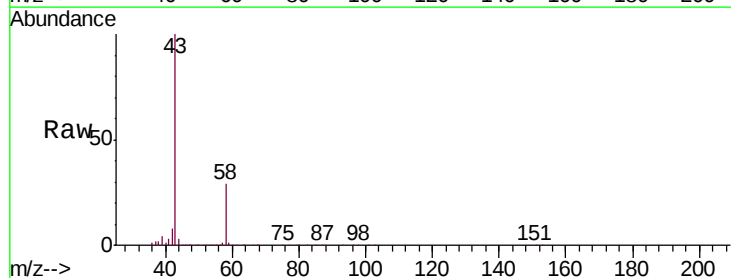
Acq: 16 Sep 2019 15:00

Tgt Ion: 43 Resp: 269310

Ion Ratio Lower Upper

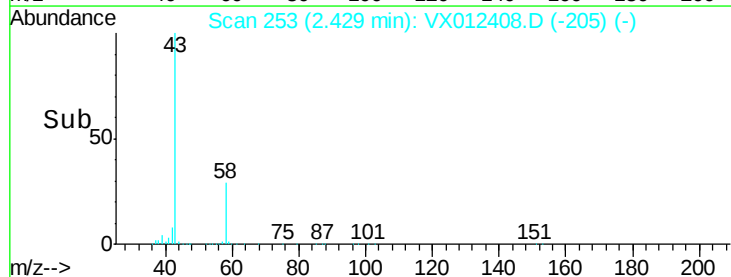
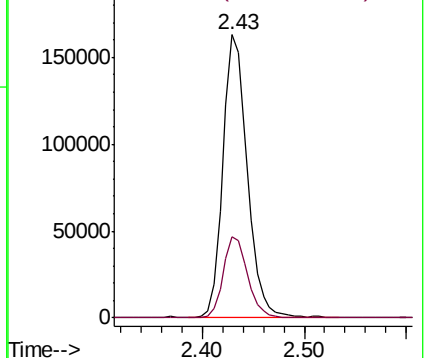
43 100

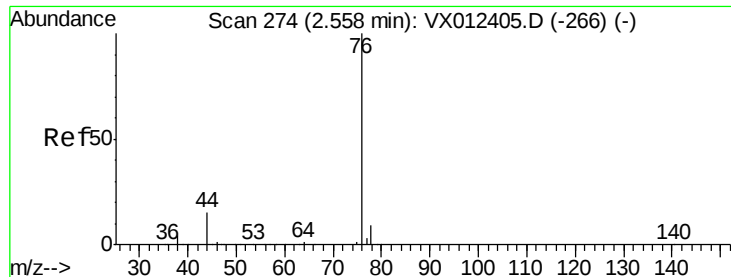
58 28.5 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

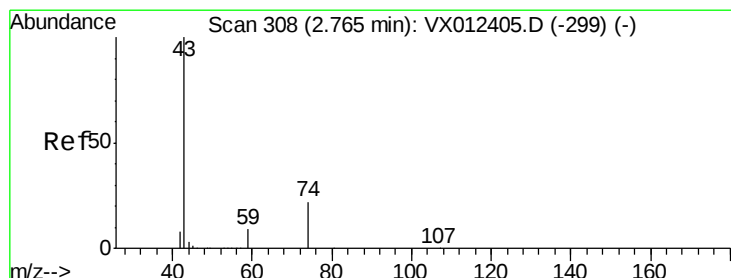
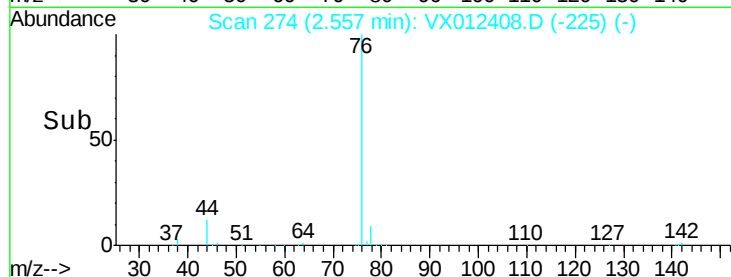
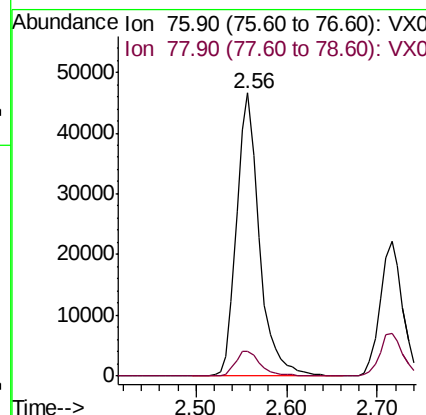
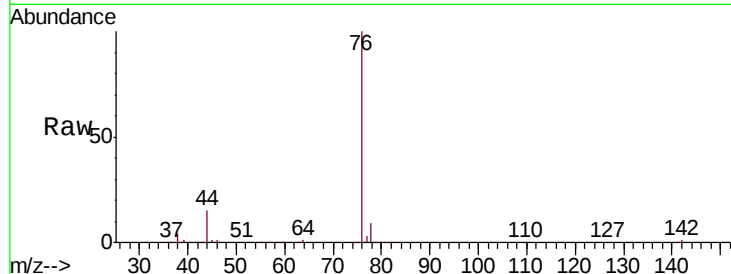




#17
Carbon Disulfide
Concen: 48.825 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

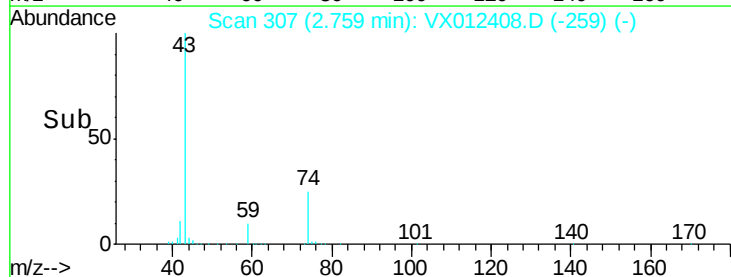
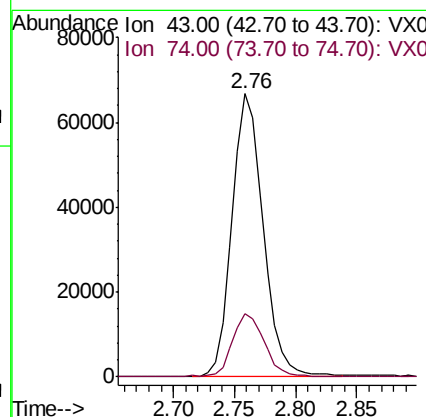
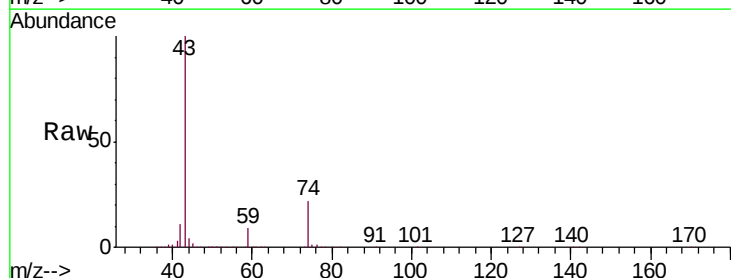
Instrument :
MSVOA_X
ClientSampled :
ICVVX091619

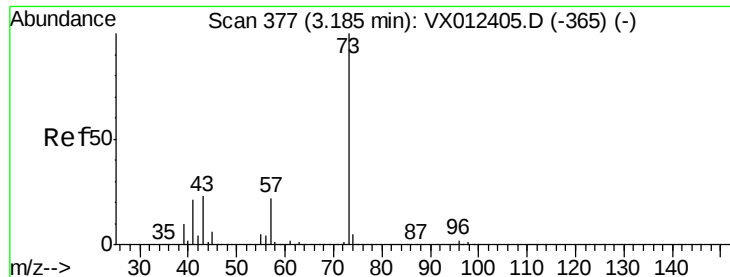
Tgt Ion: 76 Resp: 81440
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 44.424 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion: 43 Resp: 116990
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.2

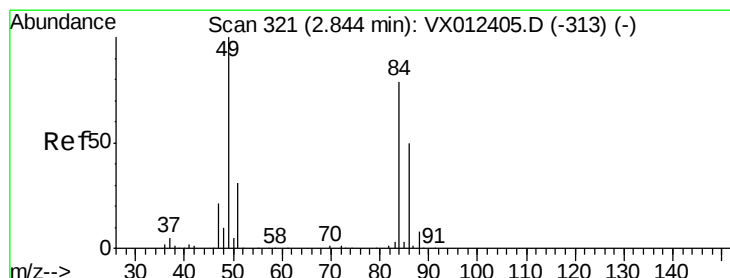
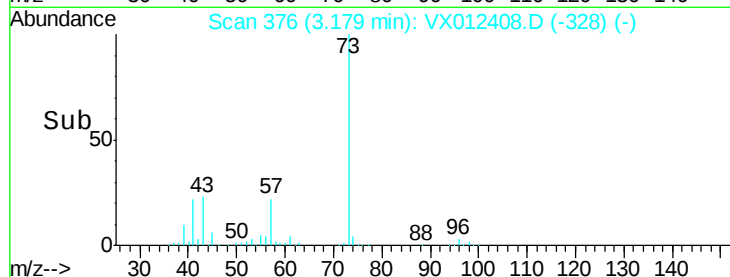
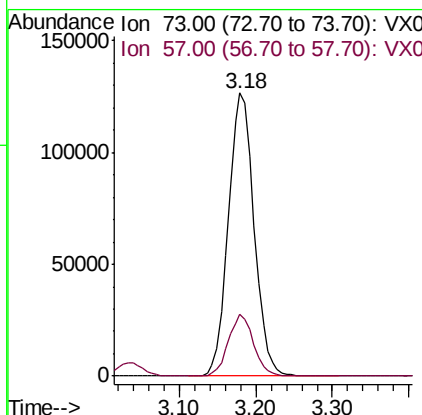
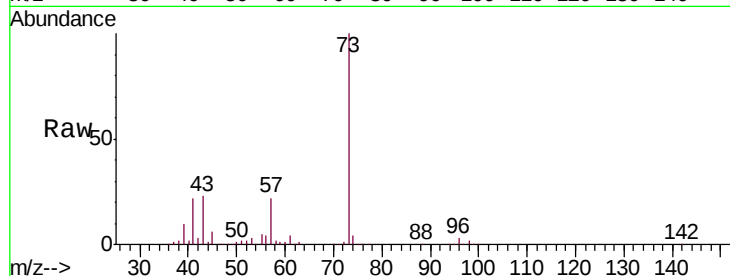




#19
Methyl tert-butyl Ether
Concen: 48.582 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

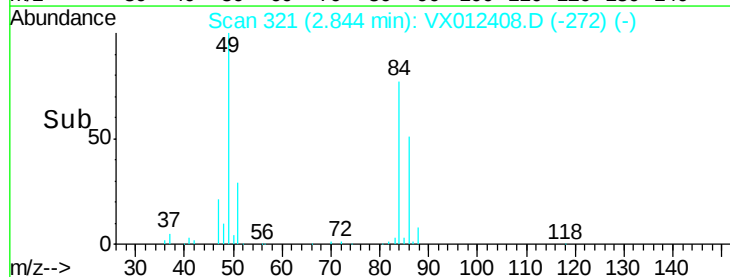
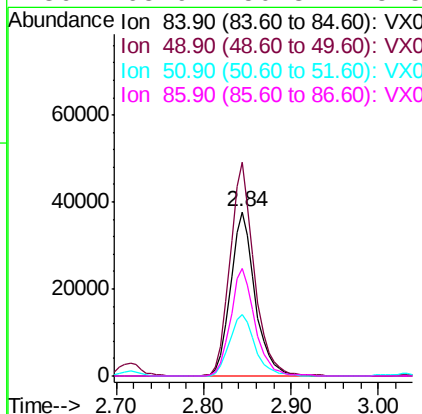
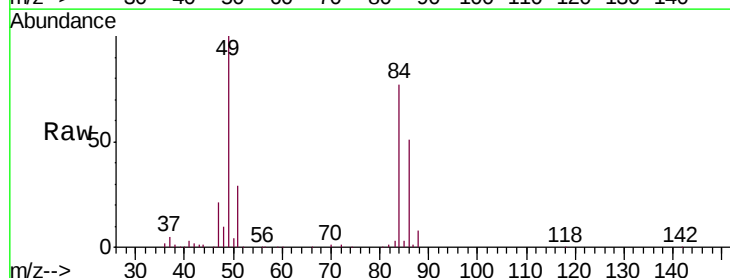
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091619

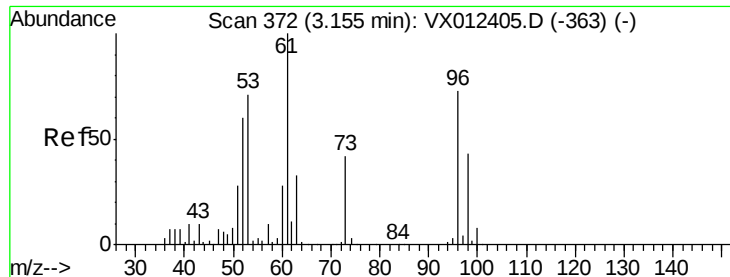
Tgt Ion: 73 Resp: 294453
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.6



#20
Methylene Chloride
Concen: 45.547 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion: 84 Resp: 73495
Ion Ratio Lower Upper
84 100
49 130.3 101.7 152.5
51 37.5 31.2 46.8
86 65.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 49.875 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

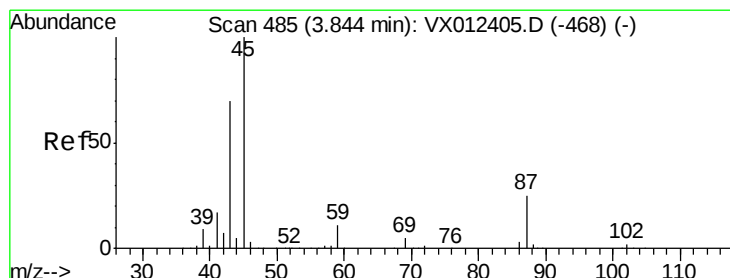
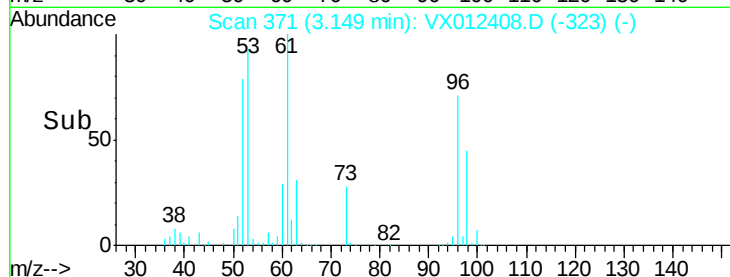
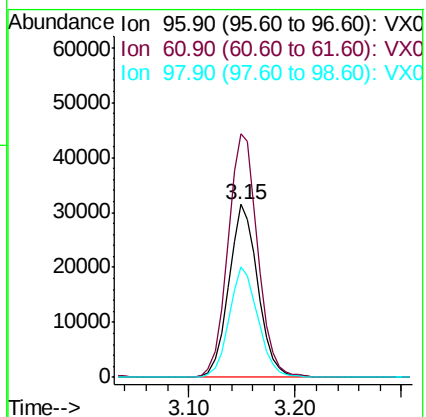
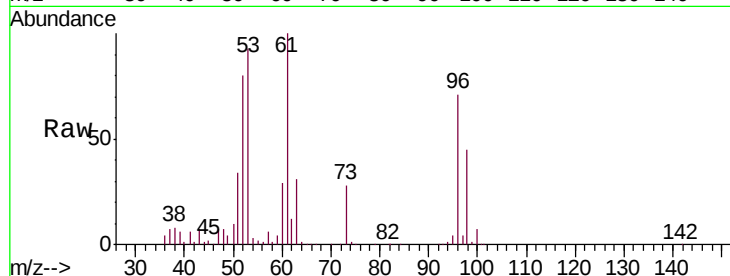
Tgt Ion: 96 Resp: 60132

Ion Ratio Lower Upper

96 100

61 140.8 109.7 164.5

98 63.7 47.0 70.6



#22

Diisopropyl ether

Concen: 48.800 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Tgt Ion: 45 Resp: 289787

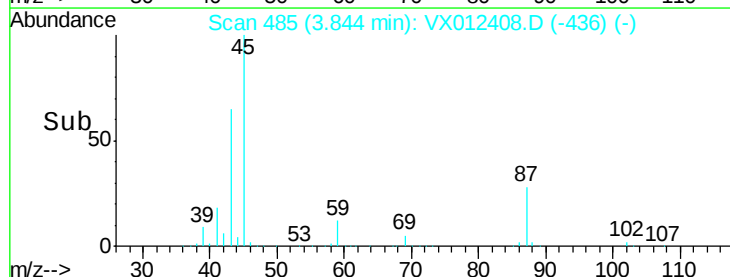
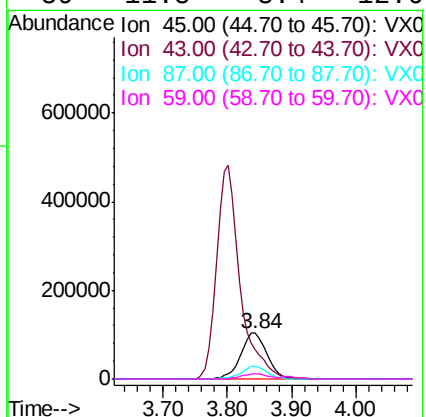
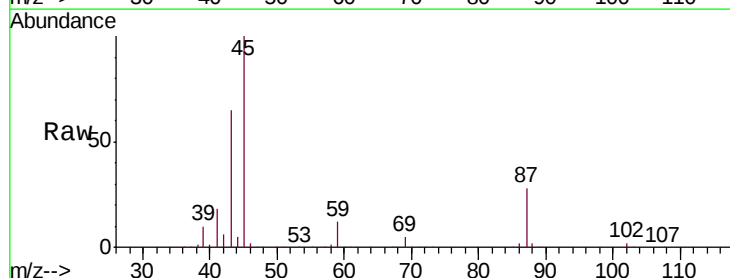
Ion Ratio Lower Upper

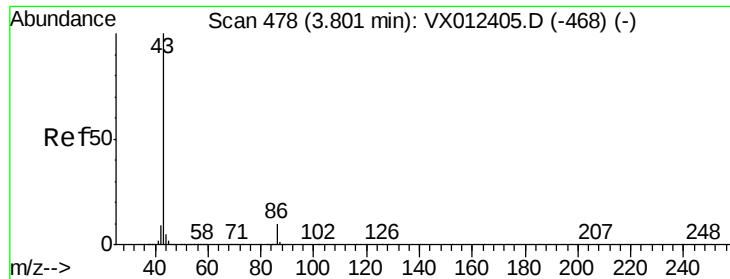
45 100

43 65.0 55.8 83.8

87 27.6 20.0 30.0

59 11.5 8.4 12.6





#23

Vinyl Acetate

Concen: 253.420 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

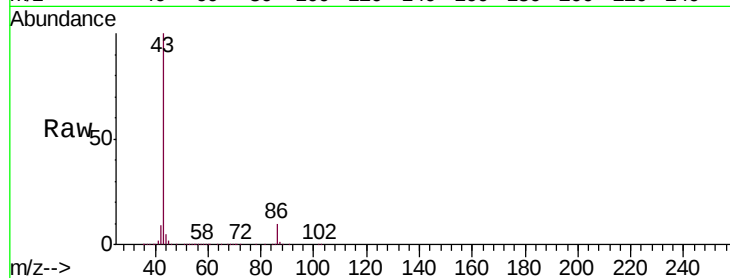
ICVVX091619

Tgt Ion: 43 Resp: 1242177

Ion Ratio Lower Upper

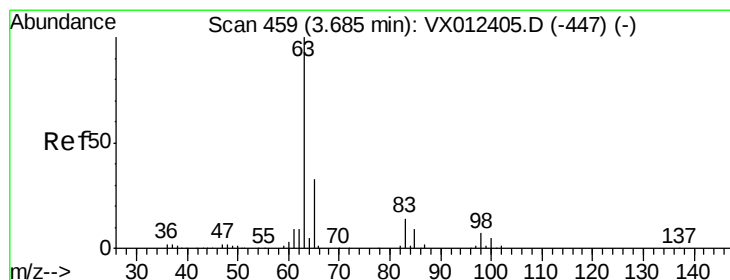
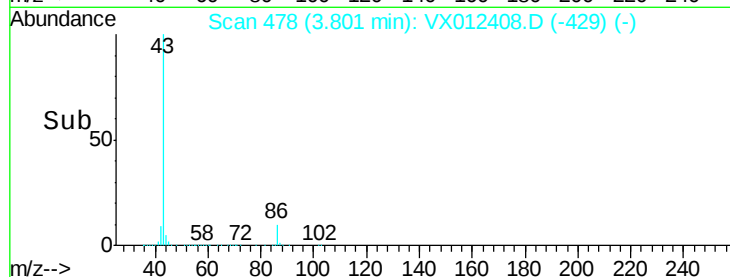
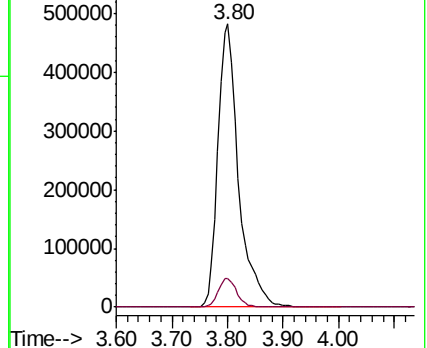
43 100

86 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.611 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

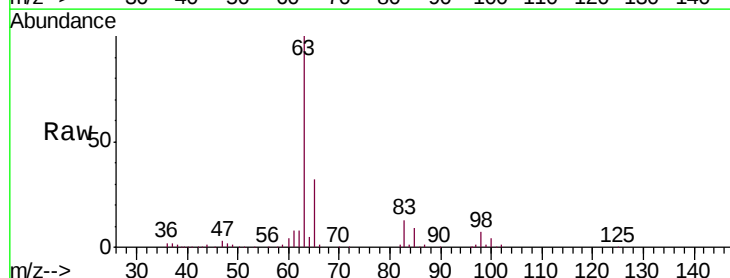
Tgt Ion: 63 Resp: 144442

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

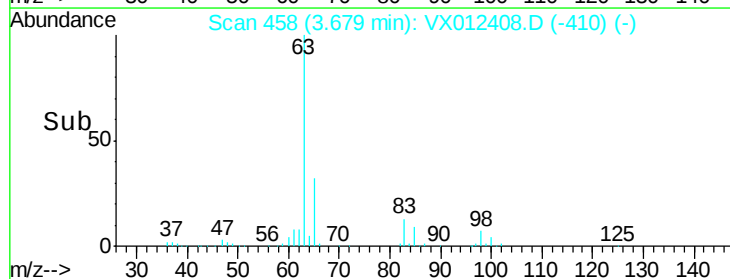
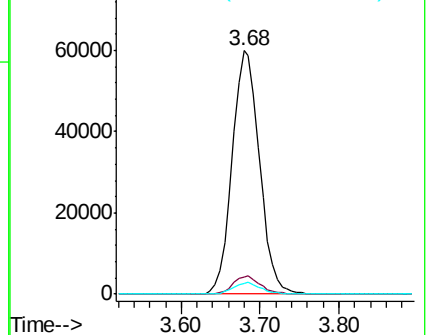
100 4.2 2.5 7.5

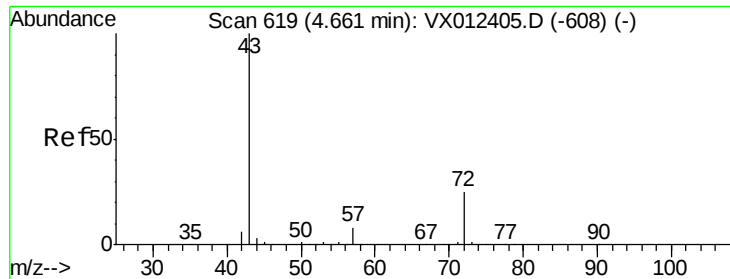


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 229.259 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

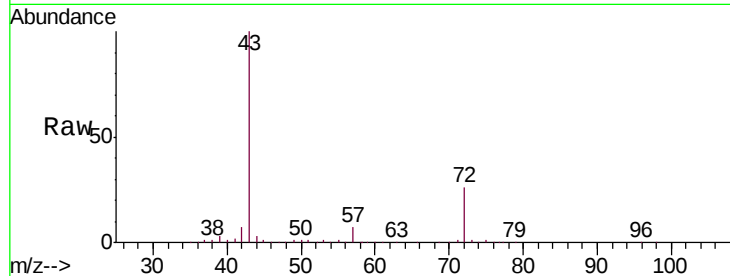
ICVVX091619

Tgt Ion: 43 Resp: 386289

Ion Ratio Lower Upper

43 100

72 25.6 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

100000

50000

0

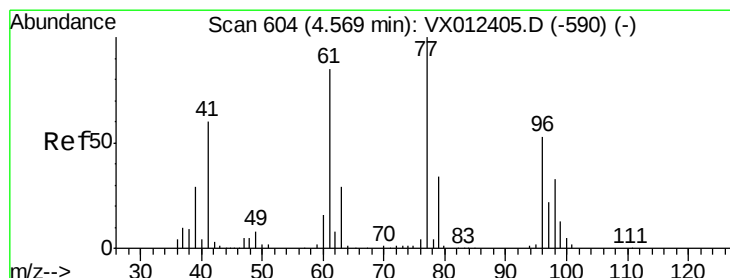
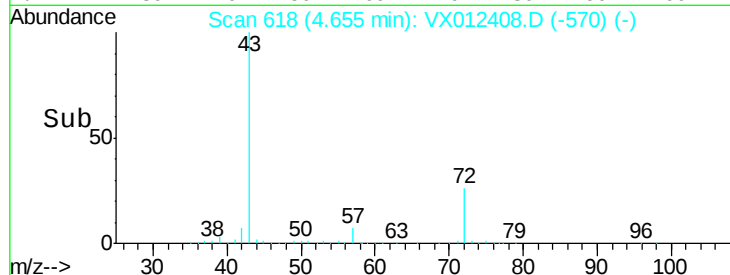
4.65

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 50.432 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012408.D

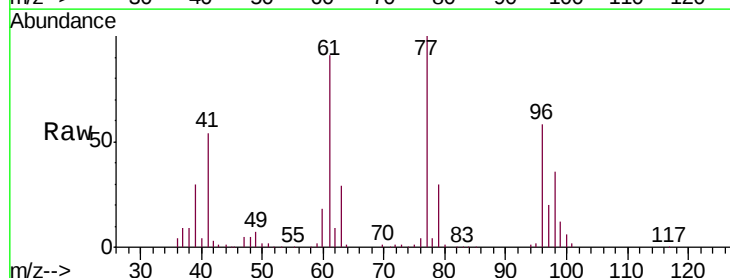
Acq: 16 Sep 2019 15:00

Tgt Ion: 77 Resp: 142937

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

0

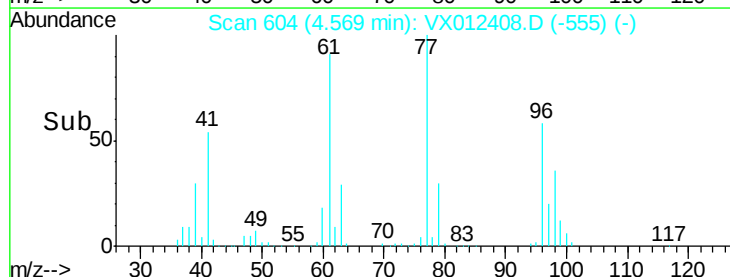
4.57

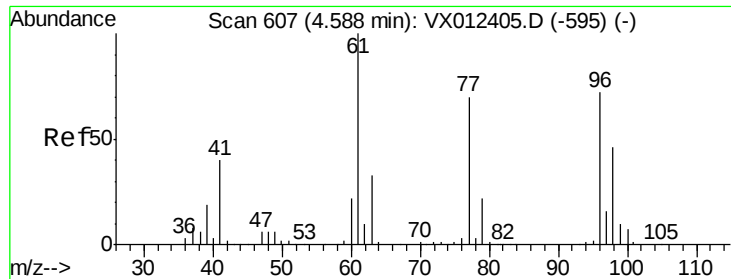
4.50

4.60

4.70

Time-->



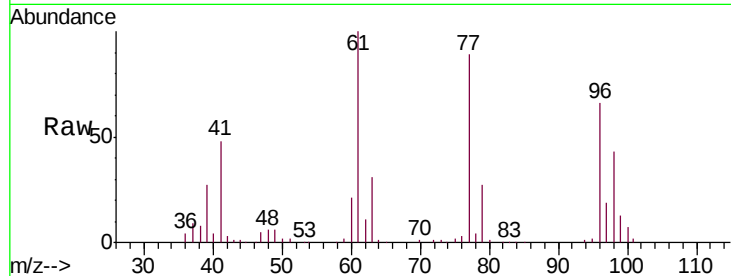


#27

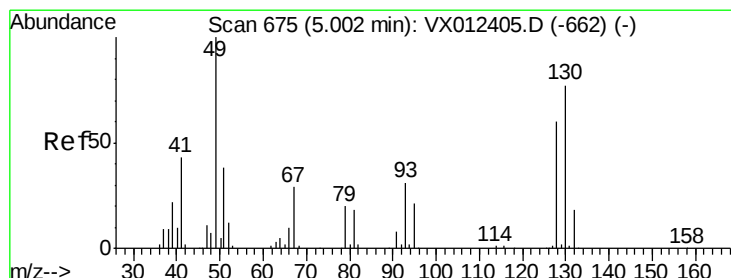
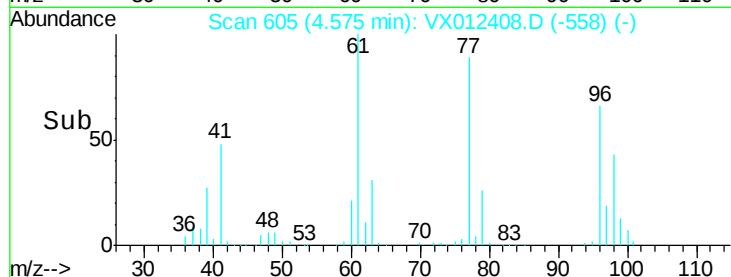
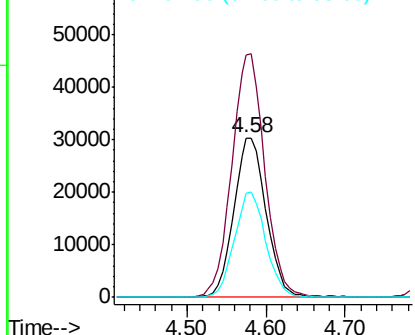
cis-1,2-Dichloroethene
Concen: 48.844 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091619

Tgt Ion: 96 Resp: 86305
Ion Ratio Lower Upper
96 100
61 155.5 0.0 307.6
98 64.4 0.0 129.8



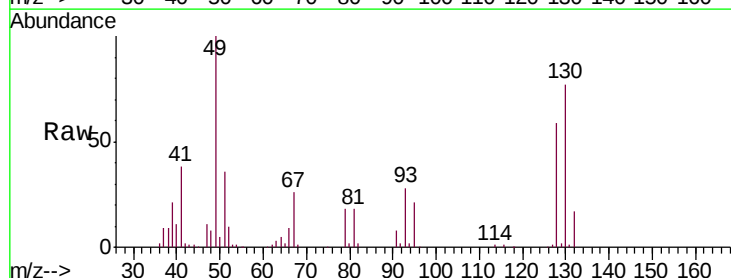
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



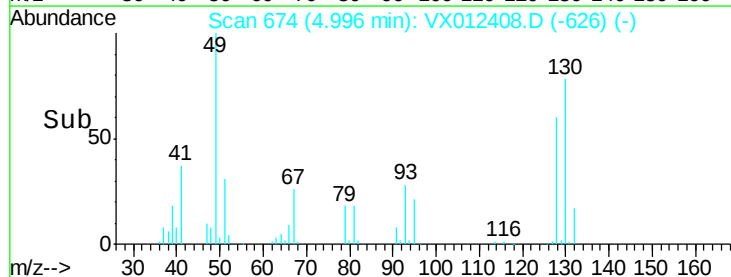
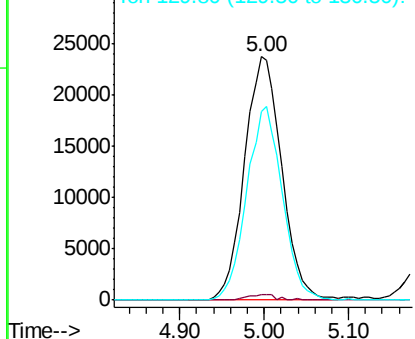
#28

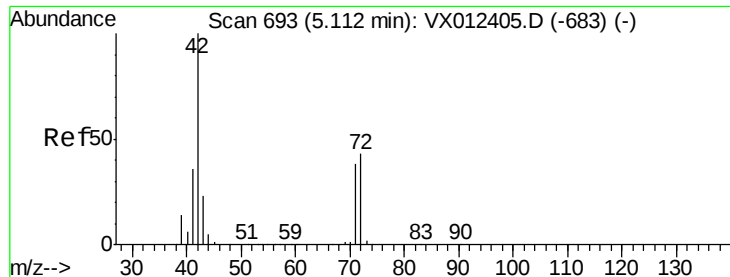
Bromochloromethane
Concen: 46.593 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion: 49 Resp: 70899
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.6
130 76.5 61.3 91.9



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 230.024 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

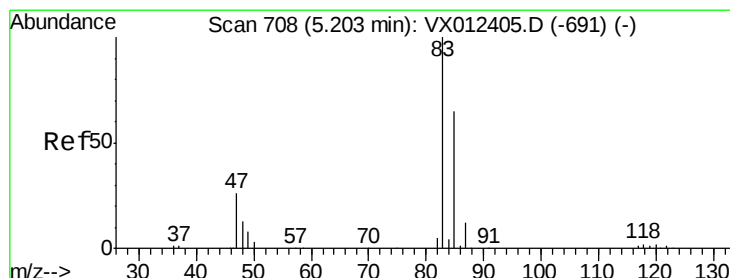
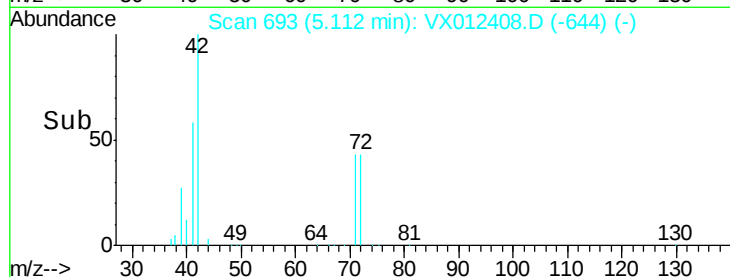
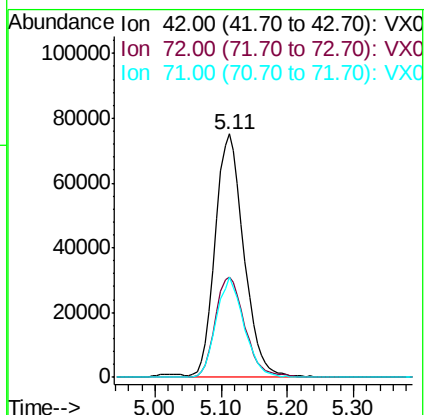
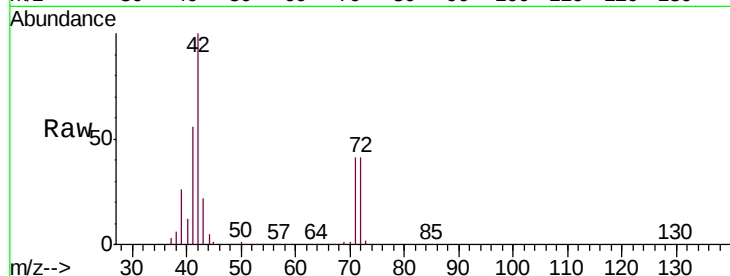
Tgt Ion: 42 Resp: 224793

Ion Ratio Lower Upper

42 100

72 43.0 34.9 52.3

71 40.1 32.6 48.8



#30

Chloroform

Concen: 46.718 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX012408.D

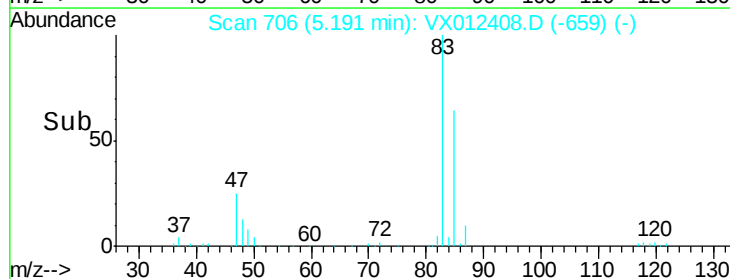
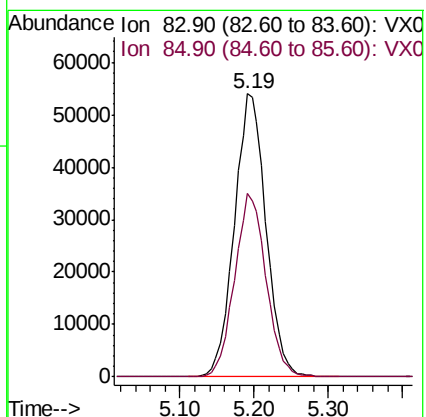
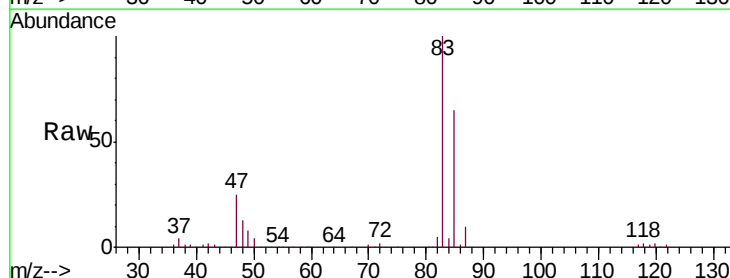
Acq: 16 Sep 2019 15:00

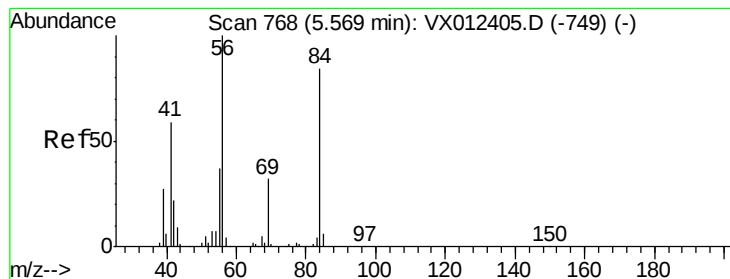
Tgt Ion: 83 Resp: 160410

Ion Ratio Lower Upper

83 100

85 64.9 51.9 77.9





#31

Cyclohexane

Concen: 49.757 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

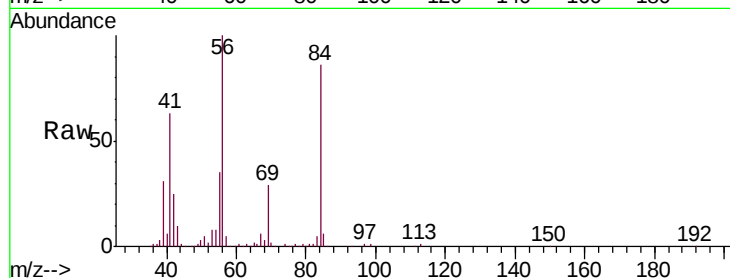
Tgt Ion: 56 Resp: 90016

Ion Ratio Lower Upper

56 100

69 27.9 24.9 37.3

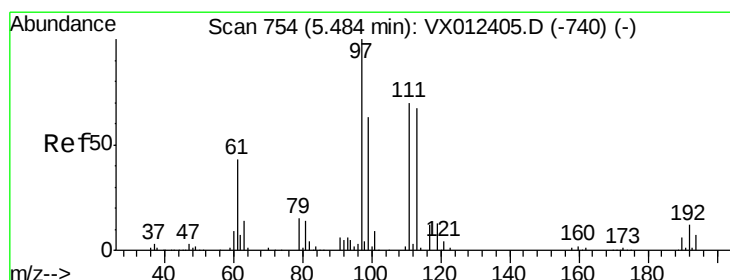
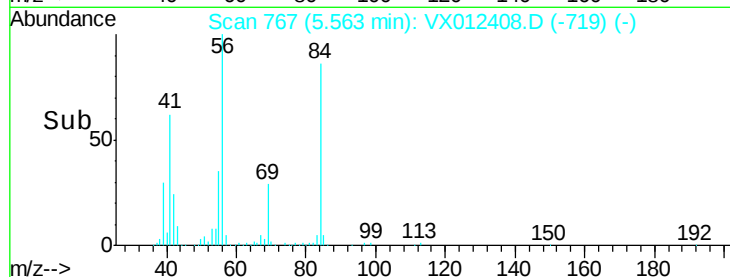
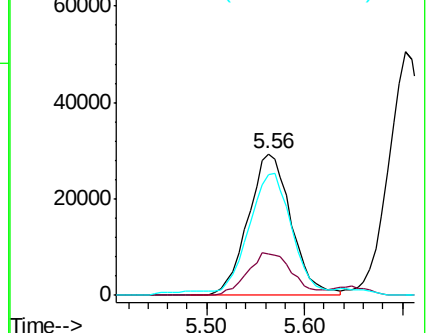
84 82.5 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.060 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

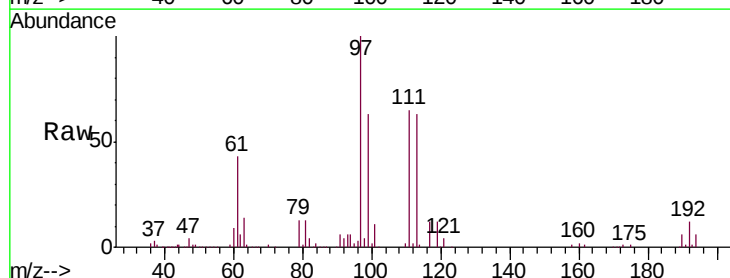
Tgt Ion: 97 Resp: 139927

Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

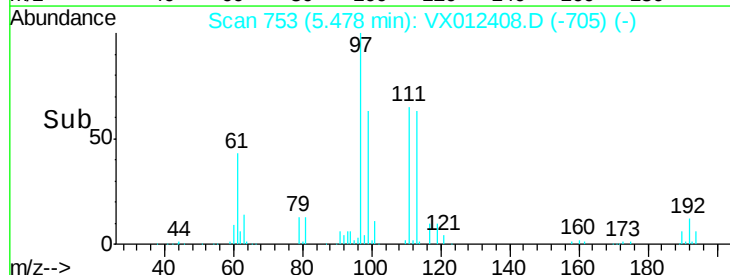
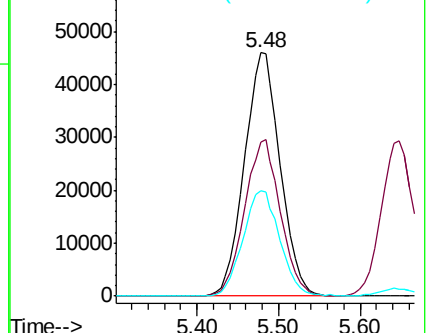
61 44.5 35.7 53.5

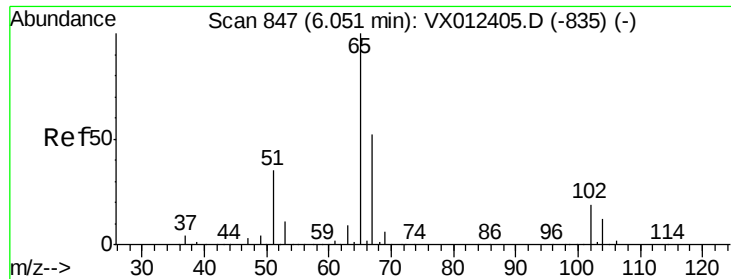


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.240 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

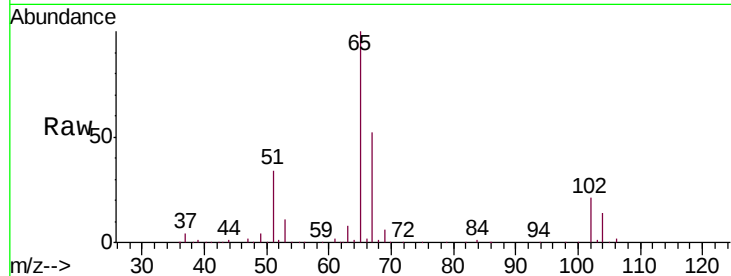
ICVVX091619

Tgt Ion: 65 Resp: 119127

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

50000

40000

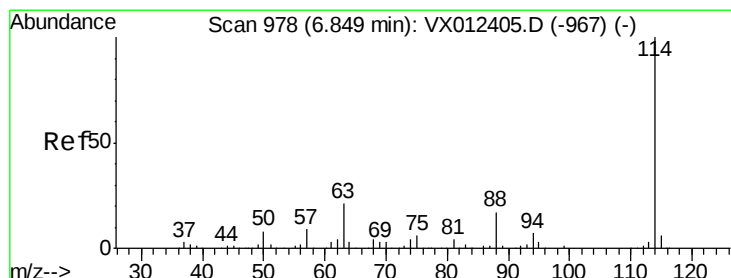
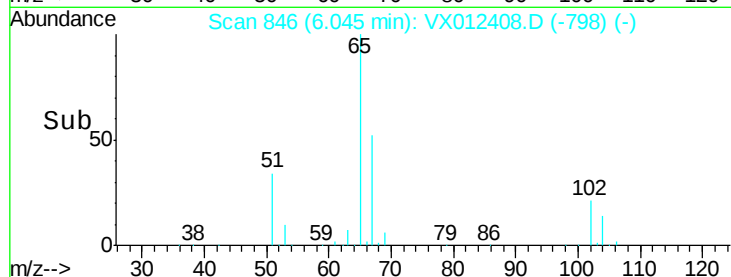
30000

20000

10000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

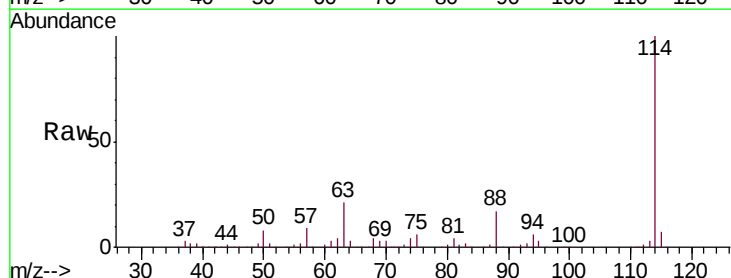
Tgt Ion: 114 Resp: 199147

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

88 16.7 0.0 33.4



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

6.85

100000

80000

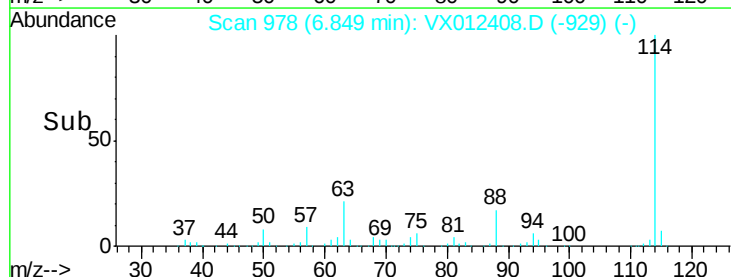
60000

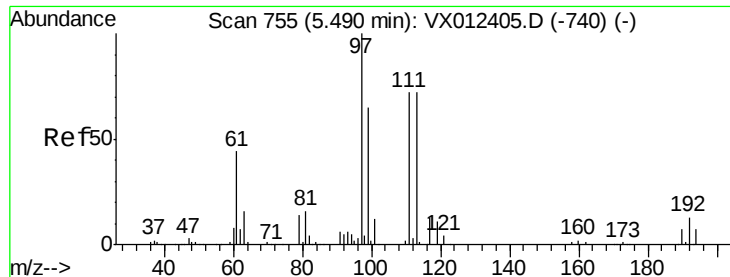
40000

20000

0

Time--> 6.80 6.90





#35

Dibromofluoromethane

Concen: 45.959 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

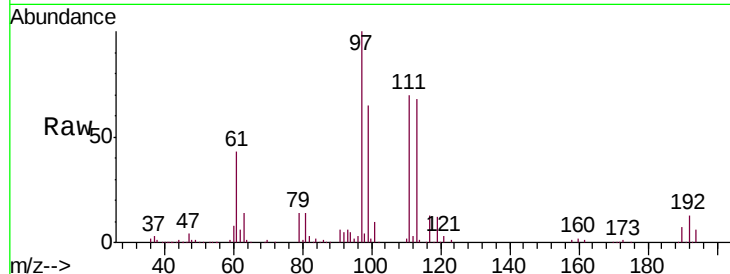
Tgt Ion:113 Resp: 88660

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

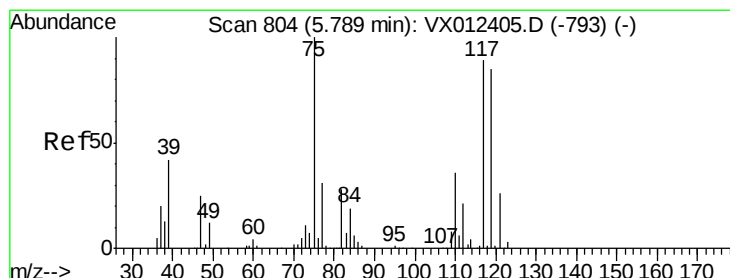
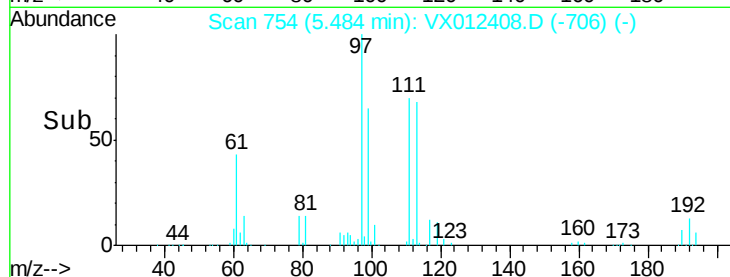
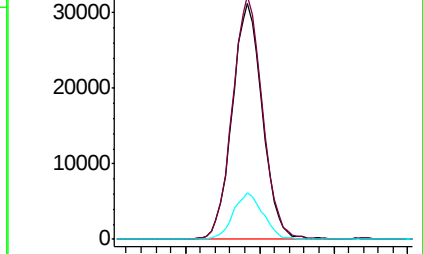
192 19.6 15.0 22.4



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: 49.537 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

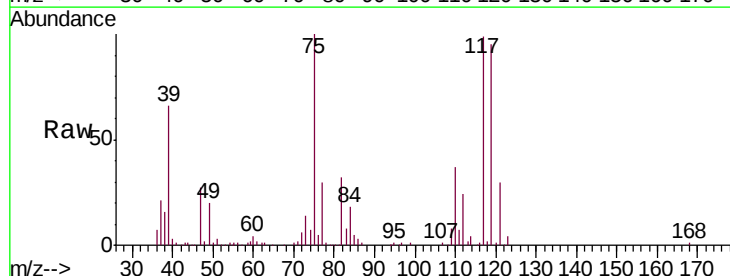
Tgt Ion: 75 Resp: 91161

Ion Ratio Lower Upper

75 100

110 35.7 17.4 52.2

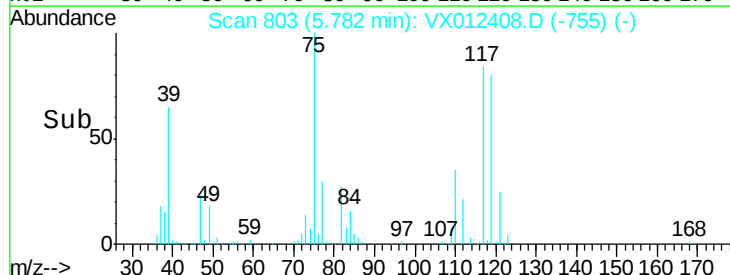
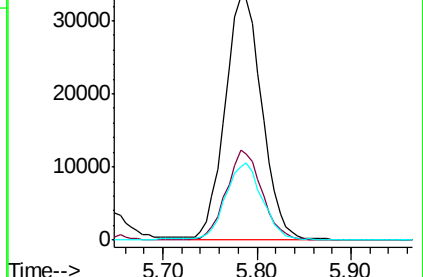
77 31.4 24.8 37.2

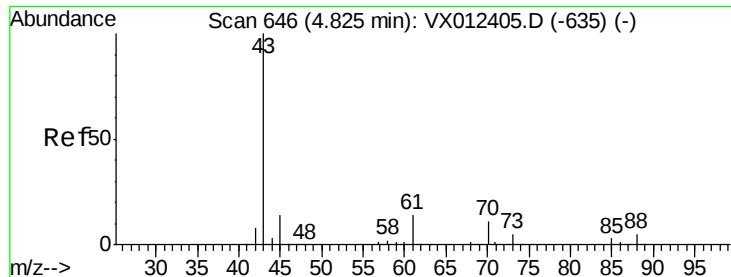


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

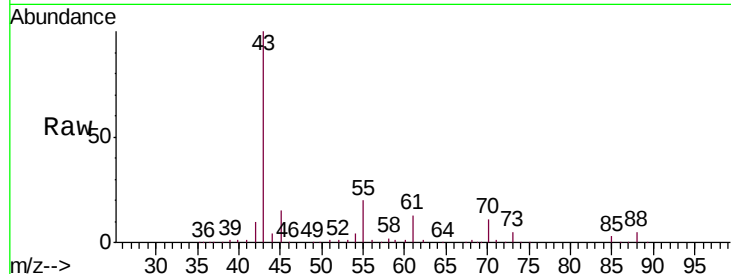




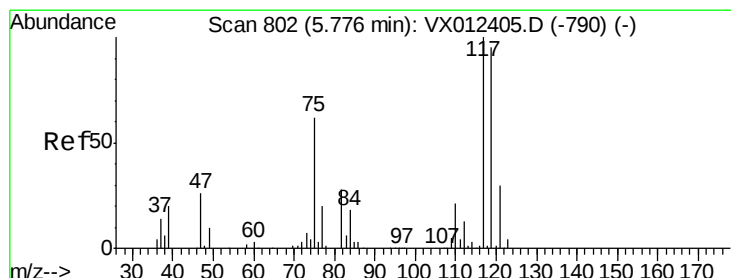
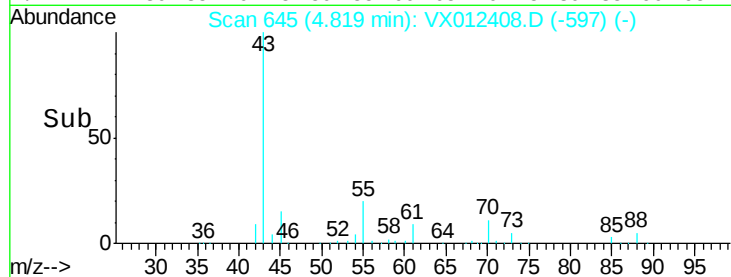
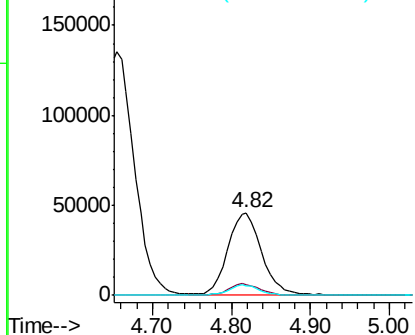
#37
Ethyl Acetate
Concen: 47.991 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091619

Tgt Ion: 43 Resp: 135981
Ion Ratio Lower Upper
43 100
61 13.6 11.2 16.8
70 11.5 9.0 13.6

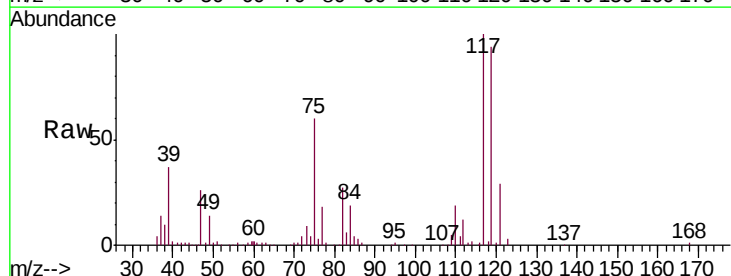


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

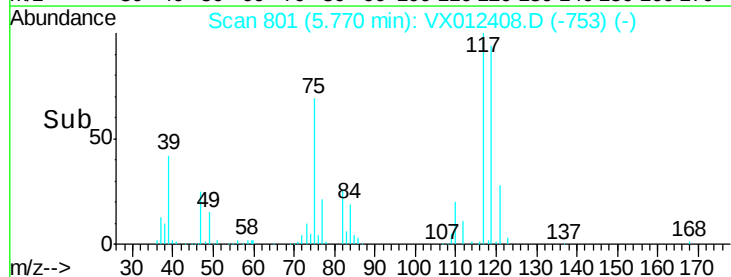
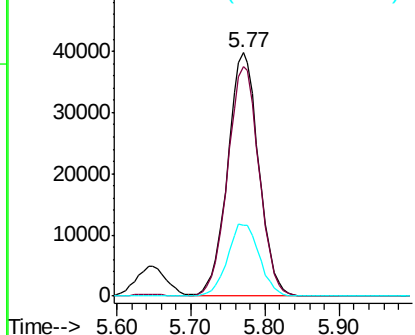


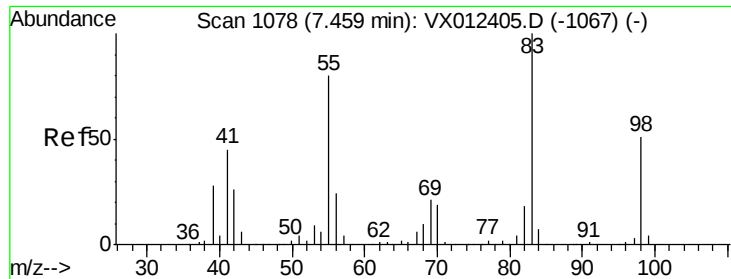
#38
Carbon Tetrachloride
Concen: 51.780 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion: 117 Resp: 116290
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.8
121 29.0 23.8 35.6



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

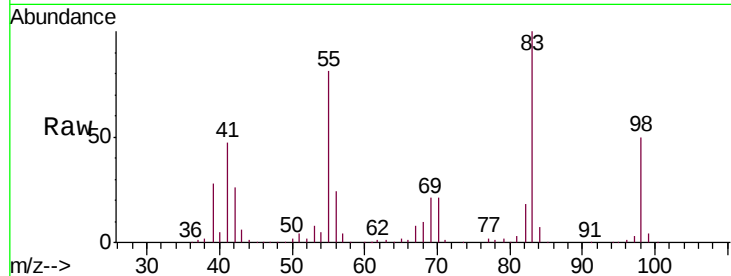




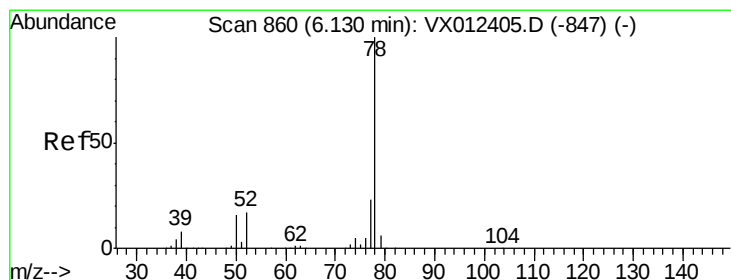
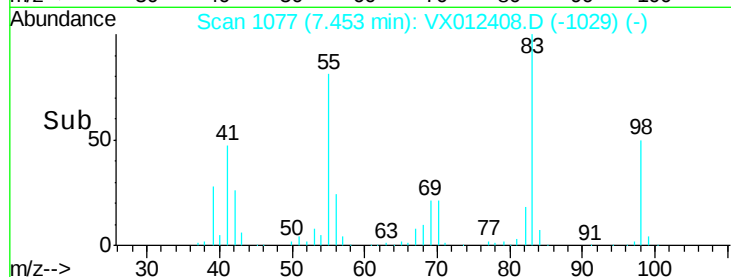
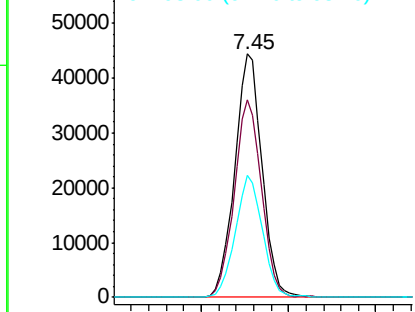
#39
Methylcyclohexane
Concen: 54.436 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091619

Tgt Ion: 83 Resp: 96226
Ion Ratio Lower Upper
83 100
55 80.9 63.8 95.6
98 50.4 40.6 61.0

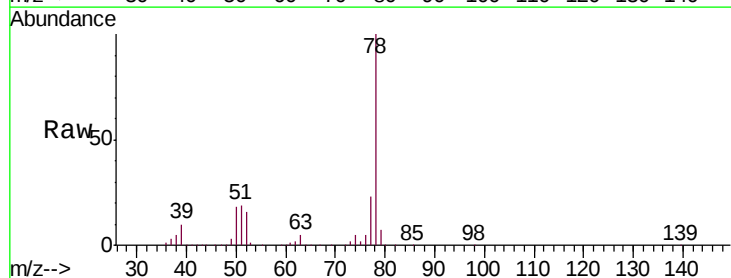


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

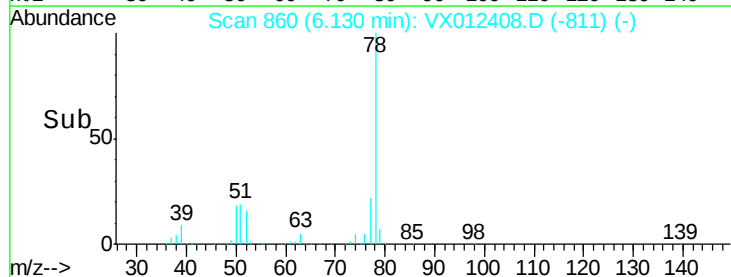
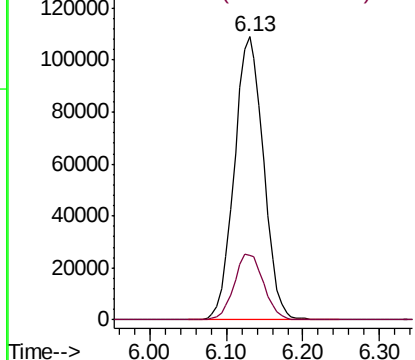


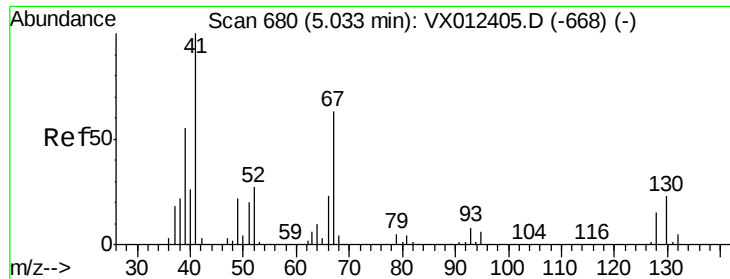
#40
Benzene
Concen: 50.828 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion: 78 Resp: 288233
Ion Ratio Lower Upper
78 100
77 23.0 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 50.916 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

Tgt Ion: 41 Resp: 82371

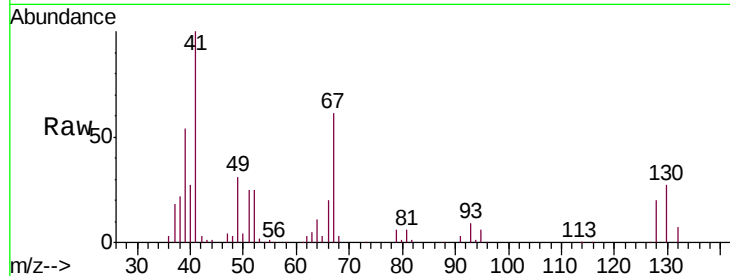
Ion Ratio Lower Upper

41 100

39 55.8 44.4 66.6

67 66.2 53.8 80.8

52 28.6 22.2 33.4

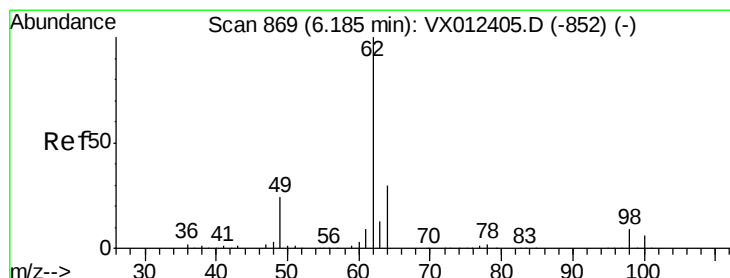
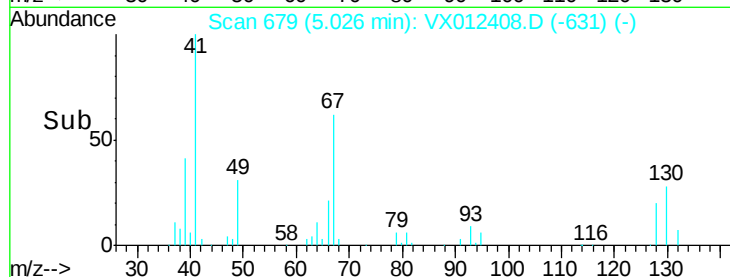
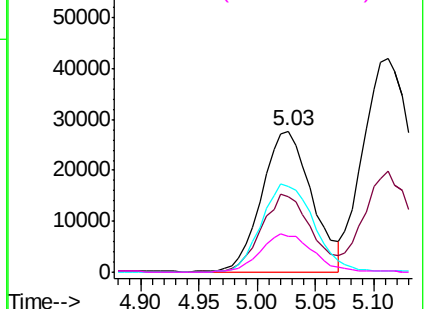


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.028 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012408.D

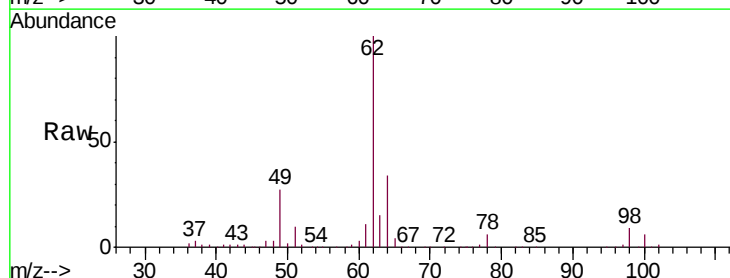
Acq: 16 Sep 2019 15:00

Tgt Ion: 62 Resp: 126586

Ion Ratio Lower Upper

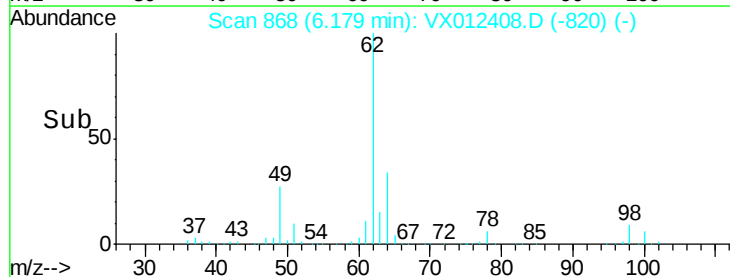
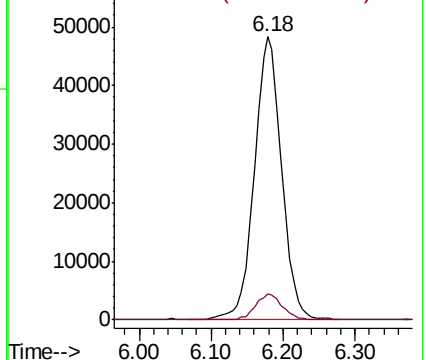
62 100

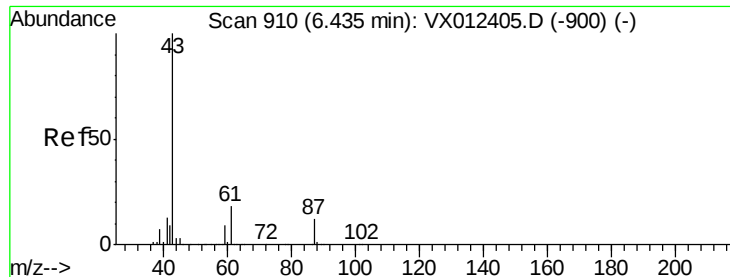
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 48.210 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

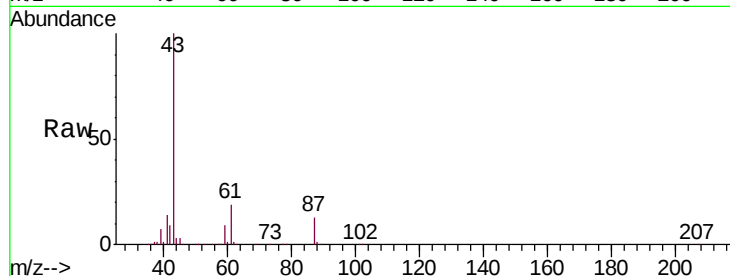
Tgt Ion: 43 Resp: 234373

Ion Ratio Lower Upper

43 100

61 19.5 15.5 23.3

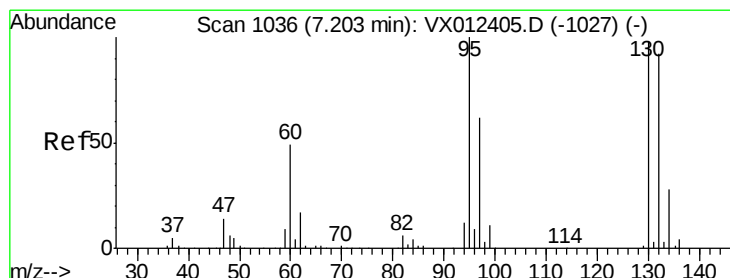
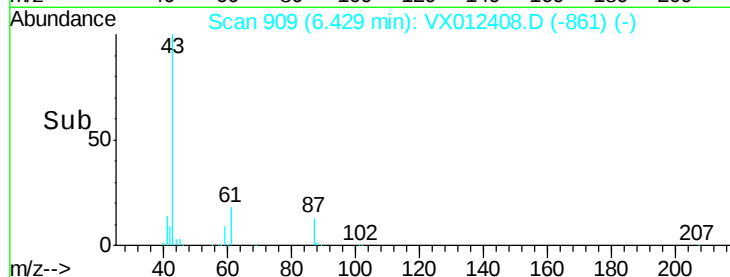
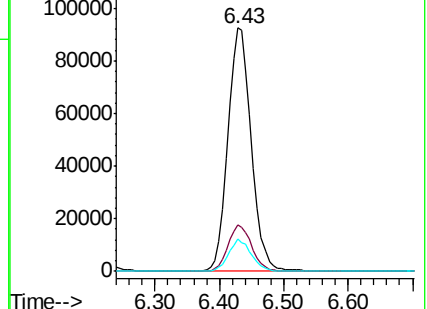
87 12.8 10.0 15.0



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



#44

Trichloroethene

Concen: 52.181 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX012408.D

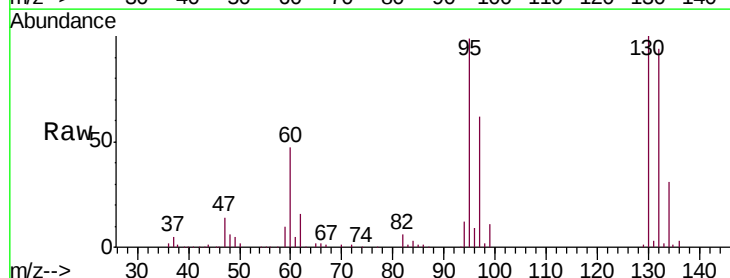
Acq: 16 Sep 2019 15:00

Tgt Ion: 130 Resp: 79474

Ion Ratio Lower Upper

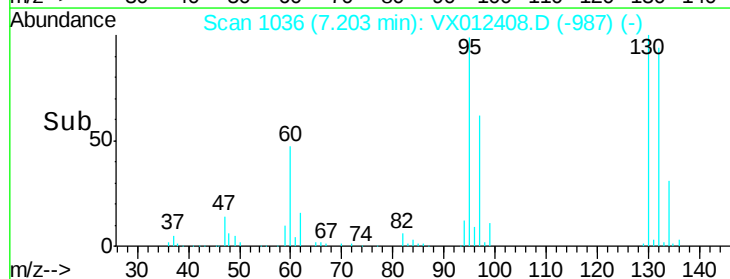
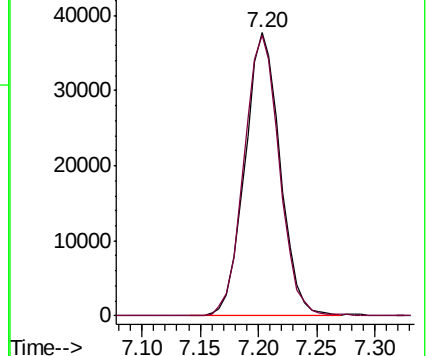
130 100

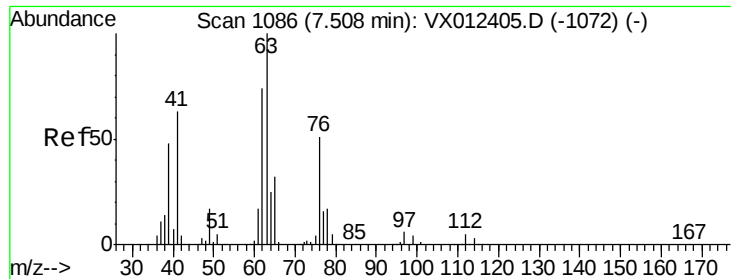
95 99.4 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.628 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

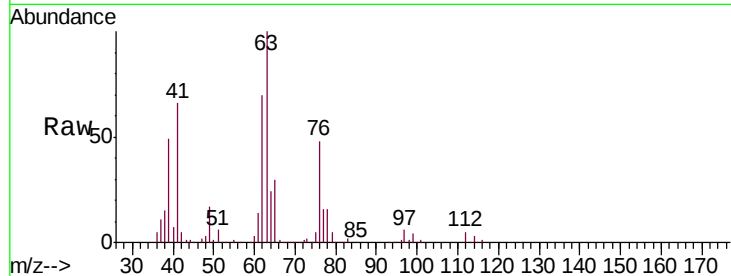
ICVVX091619

Tgt Ion: 63 Resp: 86007

Ion Ratio Lower Upper

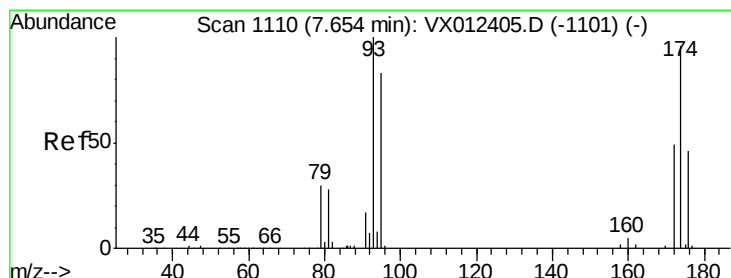
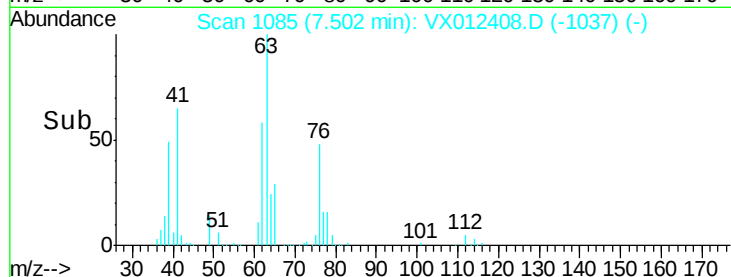
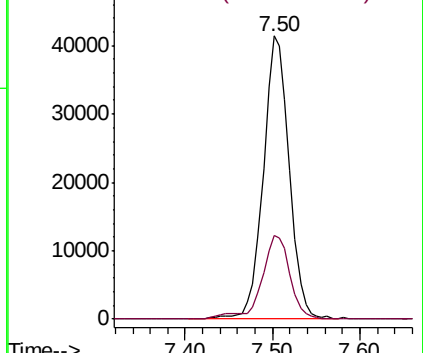
63 100

65 29.6 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.830 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

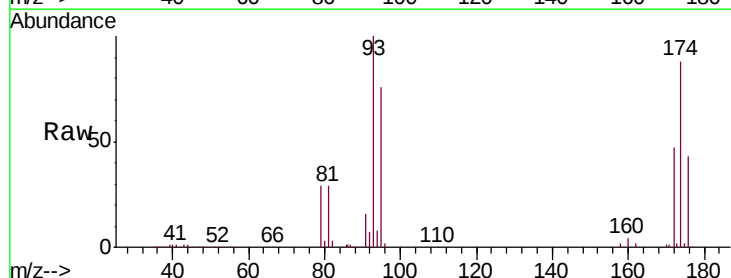
Tgt Ion: 93 Resp: 57610

Ion Ratio Lower Upper

93 100

95 81.5 66.2 99.2

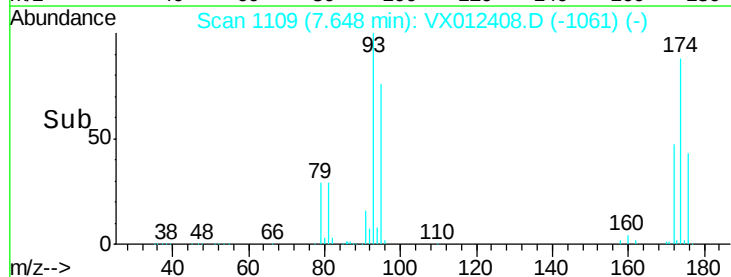
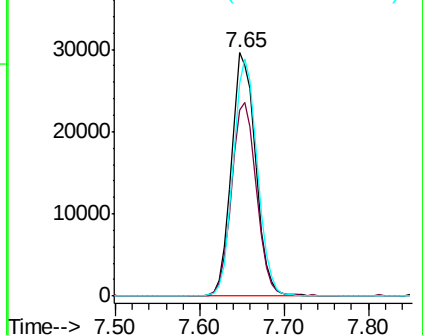
174 96.6 78.6 118.0

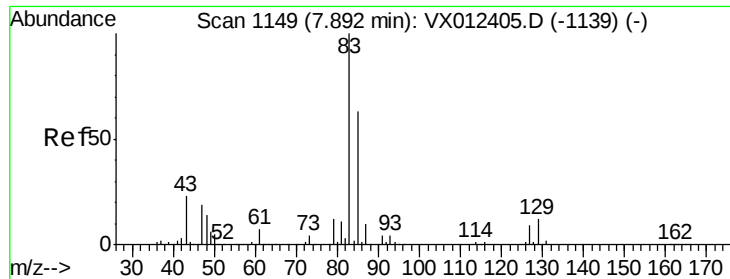


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.417 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

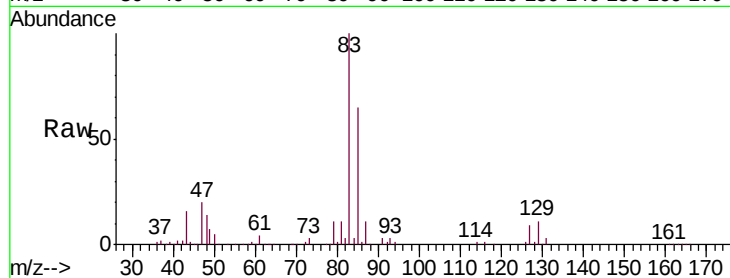
Tgt Ion: 83 Resp: 130134

Ion Ratio Lower Upper

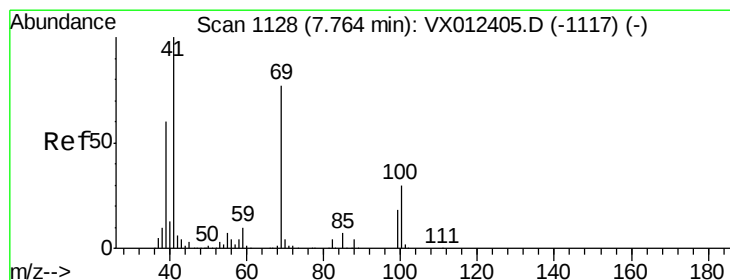
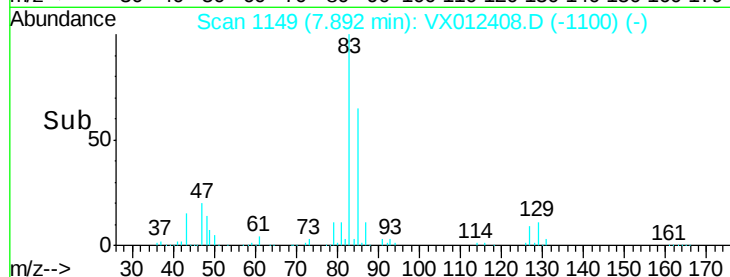
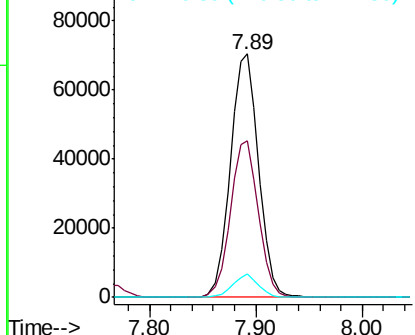
83 100

85 64.5 50.2 75.4

127 9.5 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 45.948 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

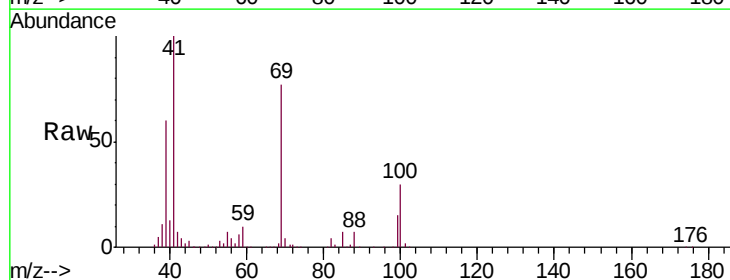
Tgt Ion: 41 Resp: 110501

Ion Ratio Lower Upper

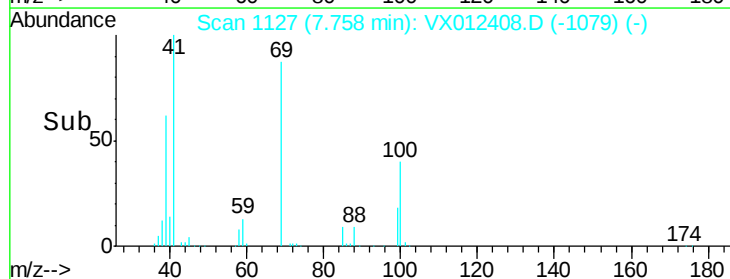
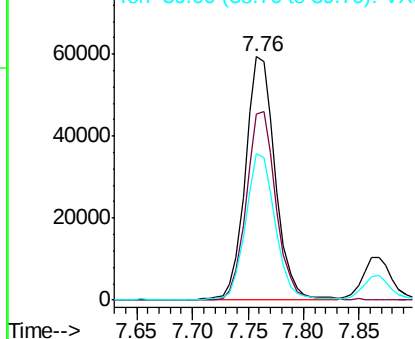
41 100

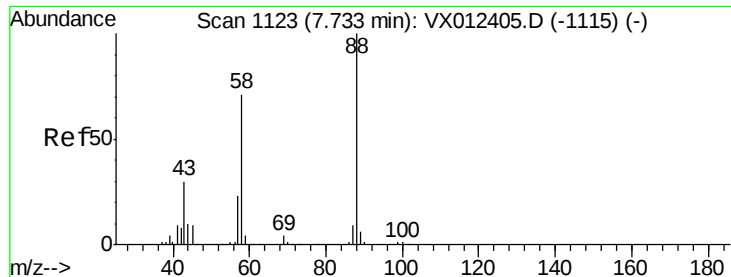
69 77.3 61.6 92.4

39 59.1 47.6 71.4



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: 926.921 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

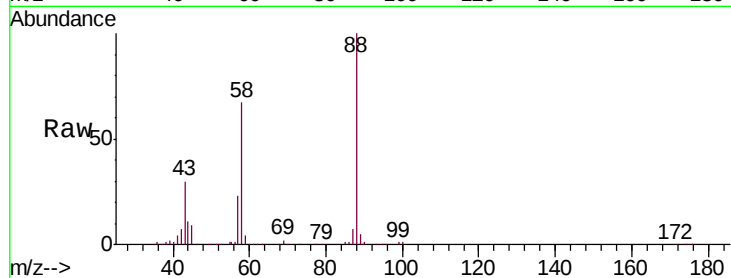
Tgt Ion: 88 Resp: 51415

Ion Ratio Lower Upper

88 100

43 34.2 26.6 39.8

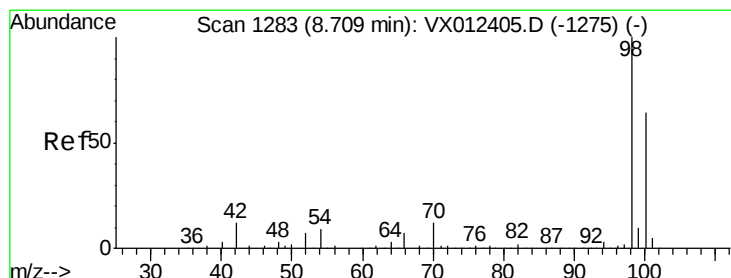
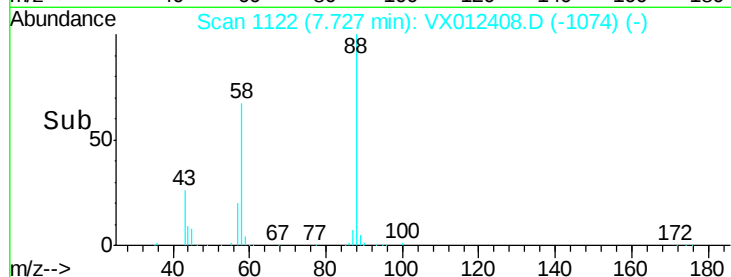
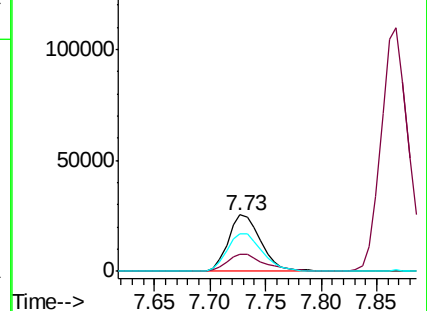
58 72.2 57.1 85.7



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: 48.517 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012408.D

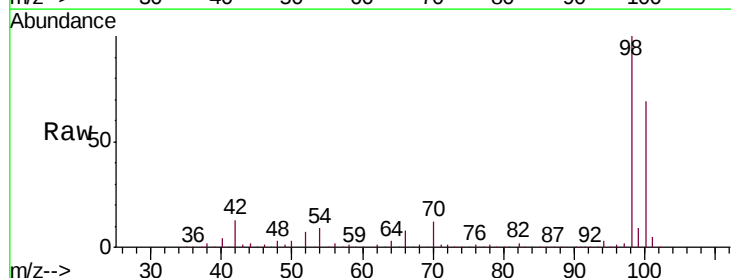
Acq: 16 Sep 2019 15:00

Tgt Ion: 98 Resp: 332132

Ion Ratio Lower Upper

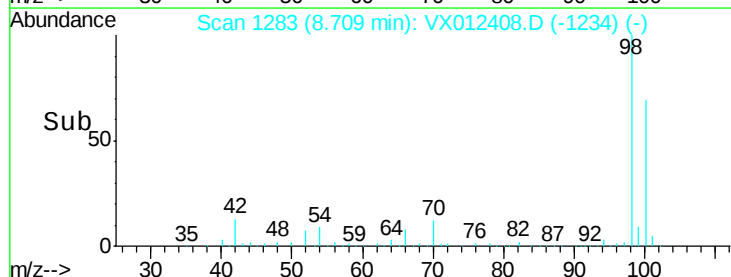
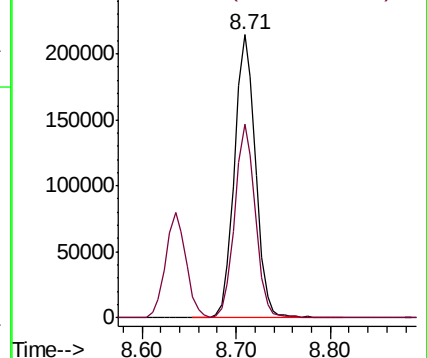
98 100

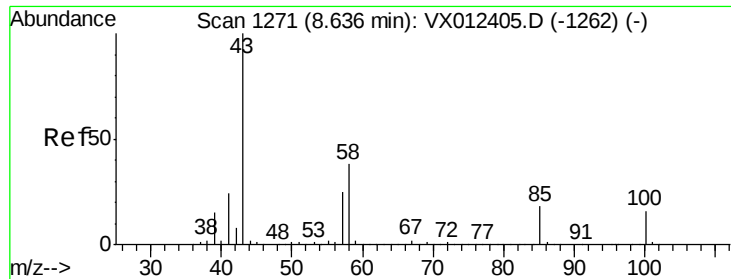
100 67.5 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 238.748 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

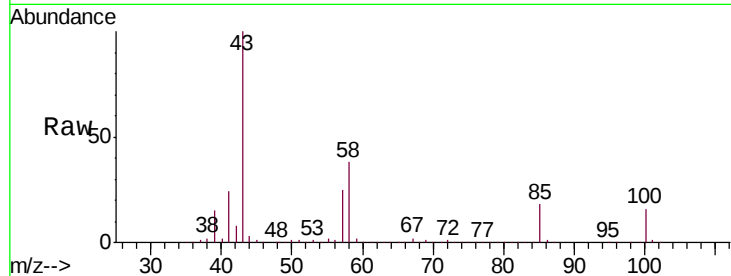
ICVVX091619

Tgt Ion: 43 Resp: 752084

Ion Ratio Lower Upper

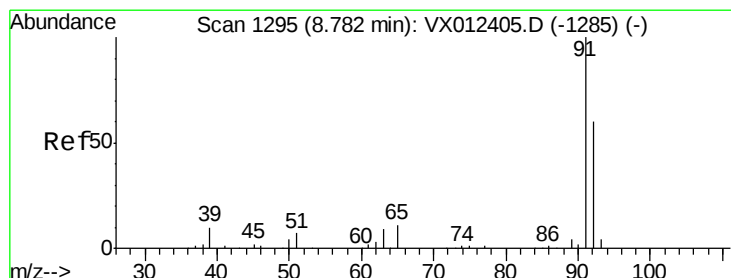
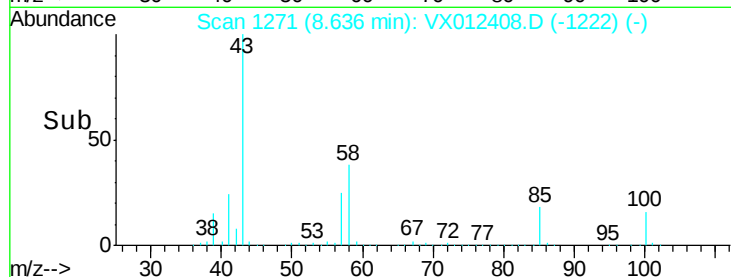
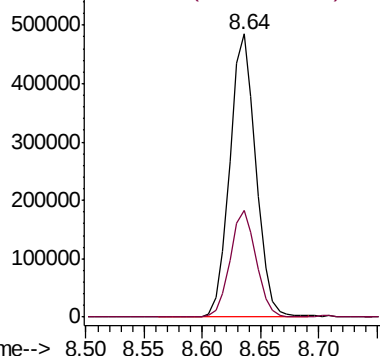
43 100

58 37.8 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.165 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012408.D

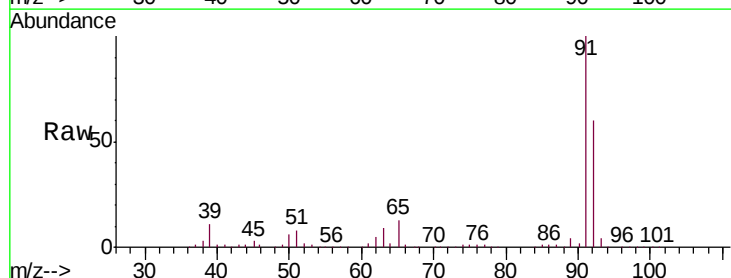
Acq: 16 Sep 2019 15:00

Tgt Ion: 92 Resp: 188867

Ion Ratio Lower Upper

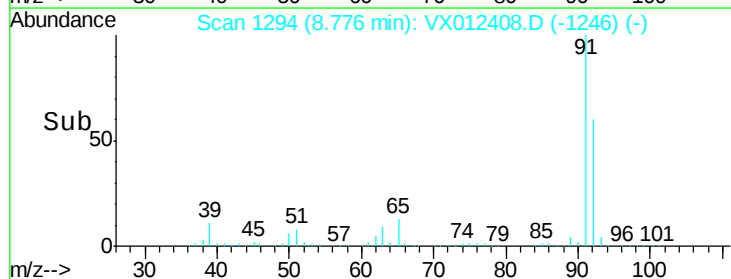
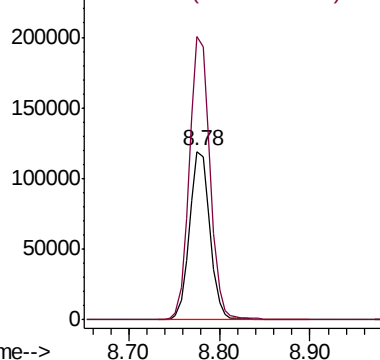
92 100

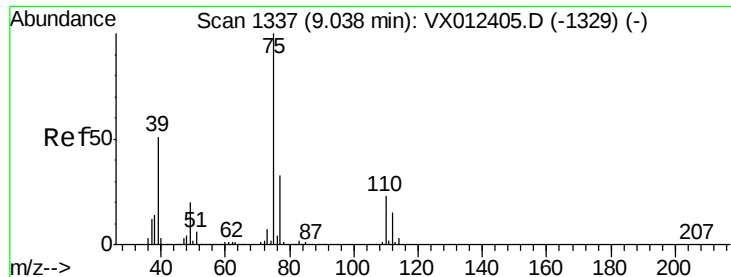
91 169.0 133.3 199.9



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: 52.575 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

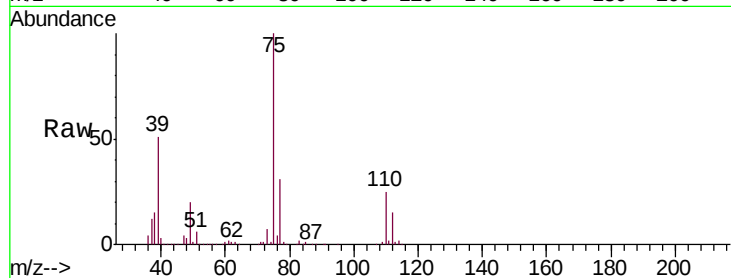
ICVVX091619

Tgt Ion: 75 Resp: 140730

Ion Ratio Lower Upper

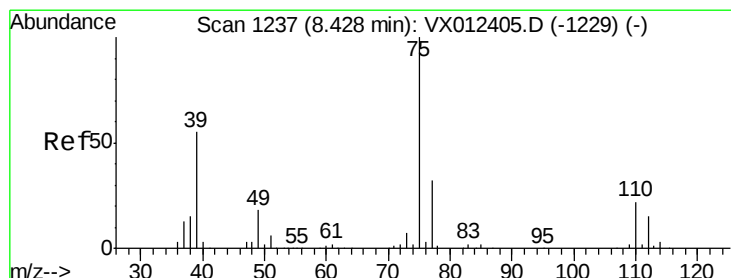
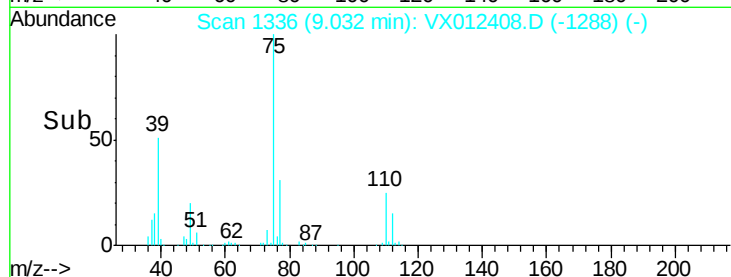
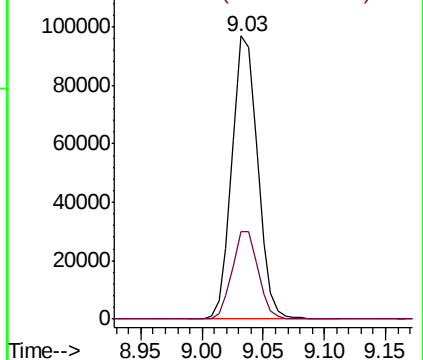
75 100

77 31.1 26.1 39.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 52.343 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

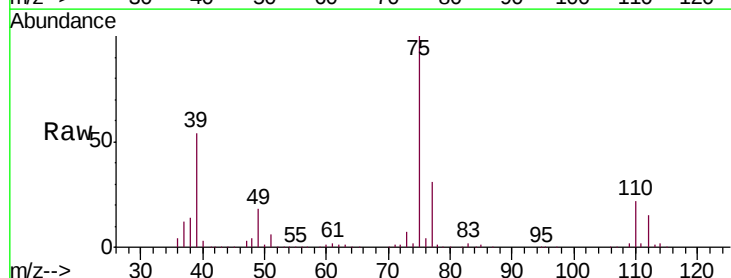
Tgt Ion: 75 Resp: 144830

Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

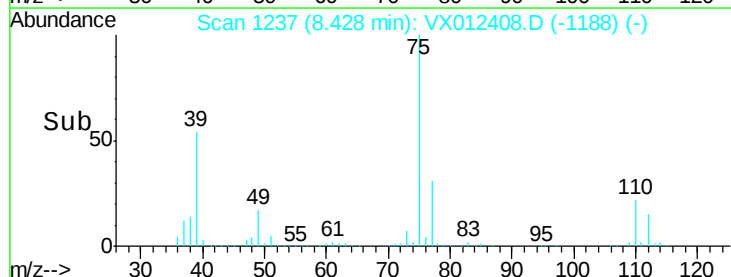
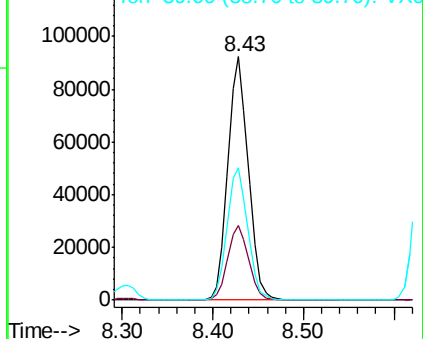
39 54.2 43.8 65.8

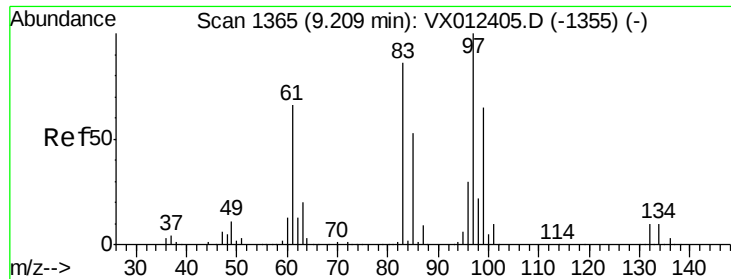


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

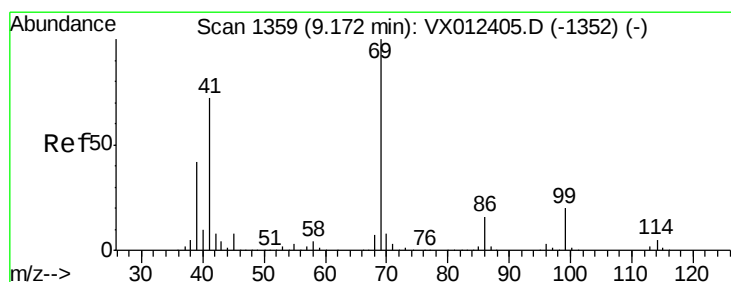
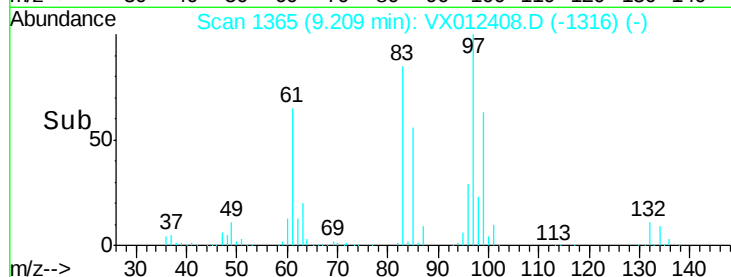
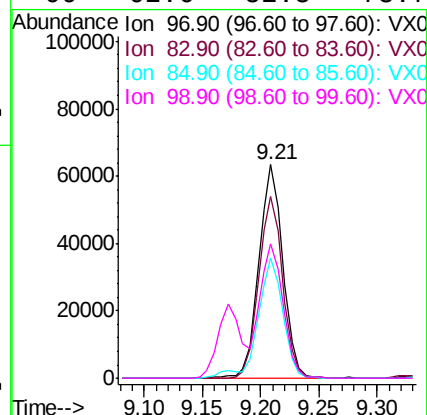
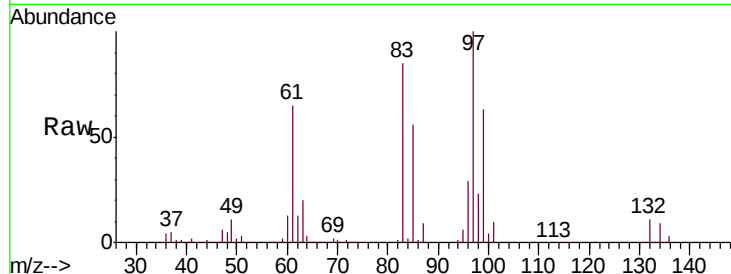




#55
 1,1,2-Trichloroethane
 Concen: 47.036 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

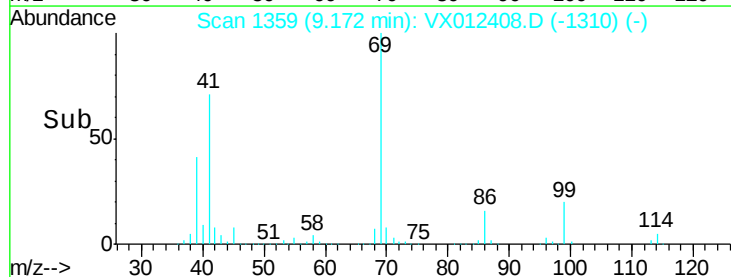
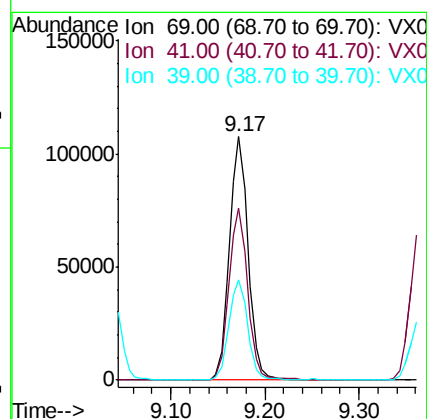
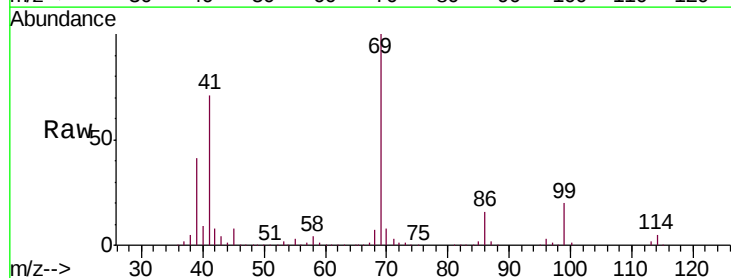
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

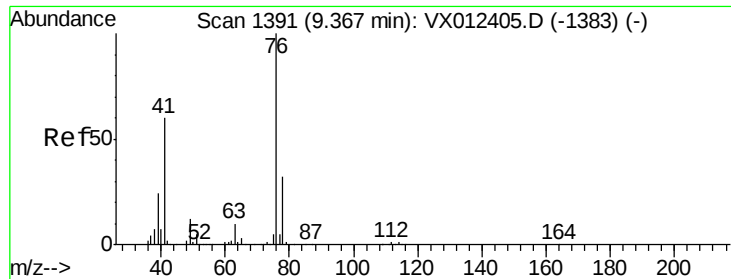
Tgt Ion:	97	Resp:	91232
Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.5	102.7
85	56.3	42.6	64.0
99	62.6	52.5	78.7



#56
 Ethyl methacrylate
 Concen: 51.096 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Tgt Ion:	69	Resp:	149106
Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.0	85.6
39	40.8	32.6	49.0





#57

1,3-Dichloropropane

Concen: 49.335 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

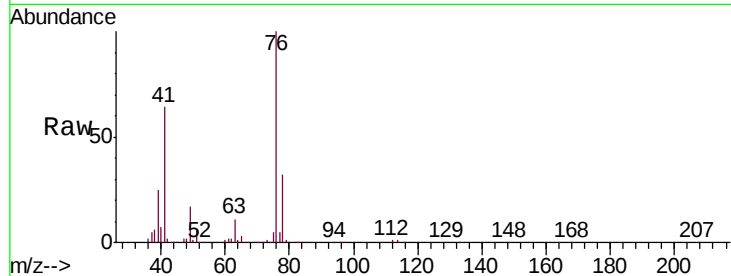
ICVVX091619

Tgt Ion: 76 Resp: 152001

Ion Ratio Lower Upper

76 100

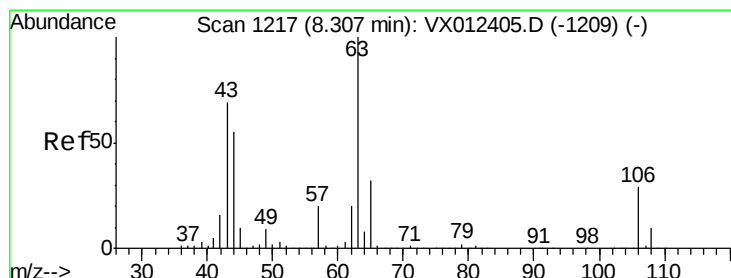
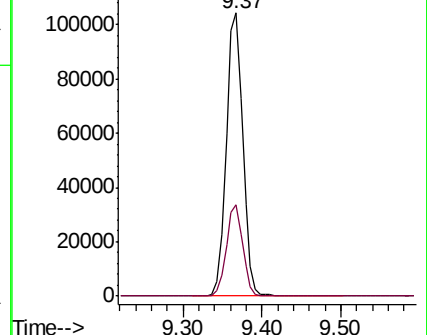
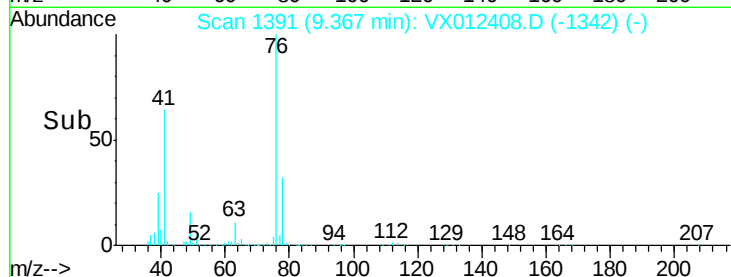
78 31.9 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37



#58

2-Chloroethyl Vinyl ether

Concen: 256.450 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012408.D

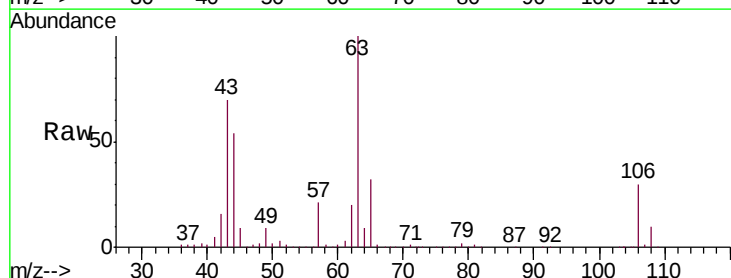
Acq: 16 Sep 2019 15:00

Tgt Ion: 63 Resp: 402798

Ion Ratio Lower Upper

63 100

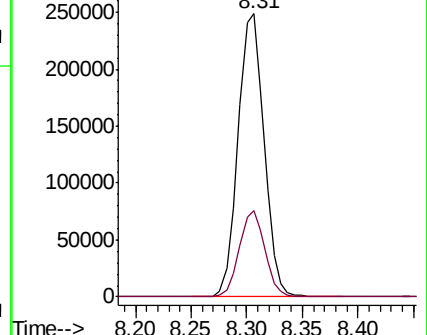
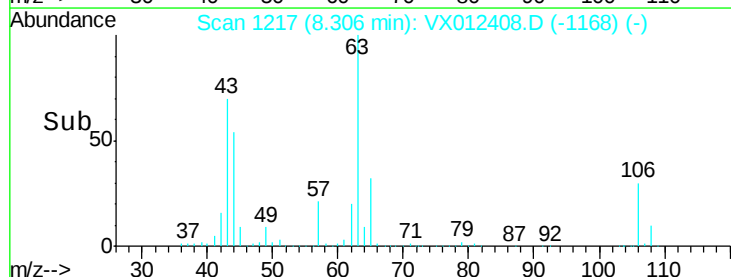
106 29.8 23.8 35.8

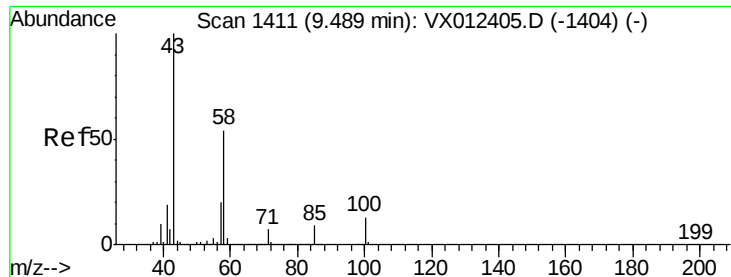


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

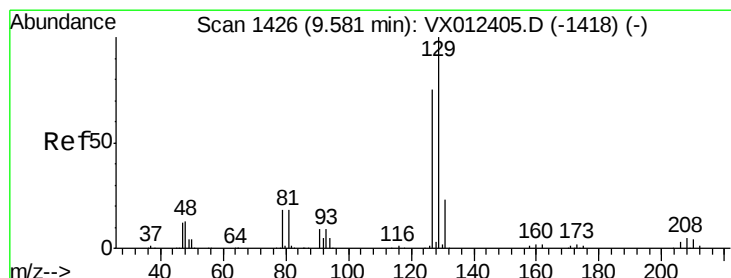
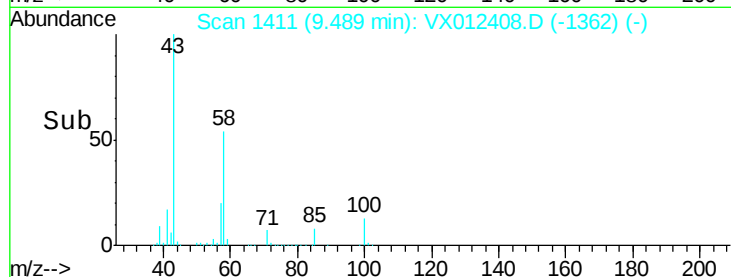
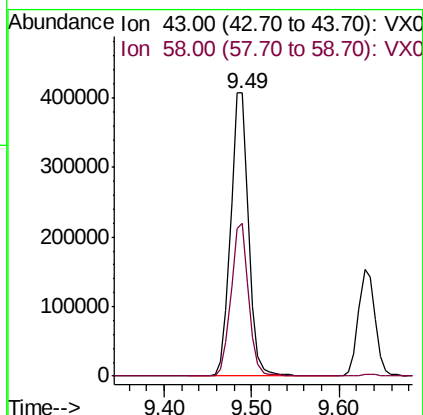
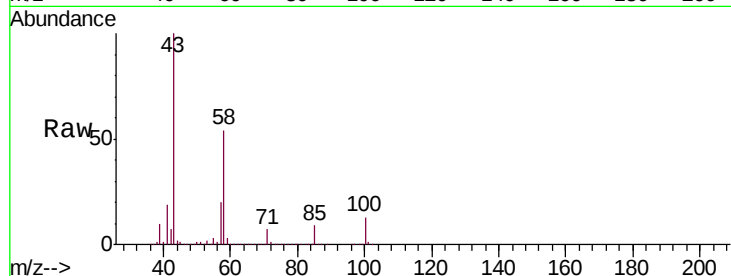




#59
2-Hexanone
Concen: 240.120 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

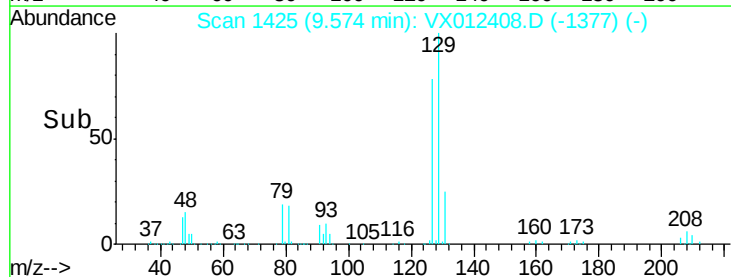
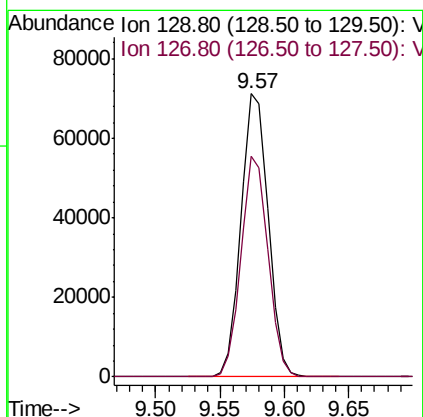
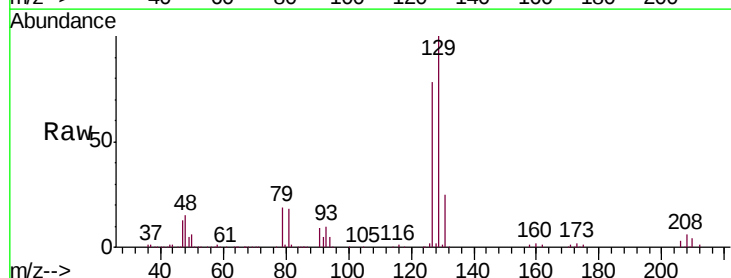
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091619

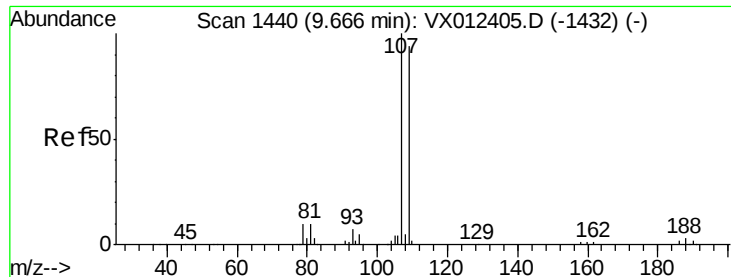
Tgt Ion: 43 Resp: 583142
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0



#60
Dibromochloromethane
Concen: 46.811 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion: 129 Resp: 103998
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 50.330 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

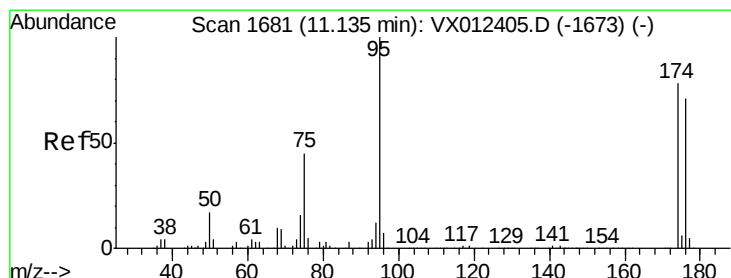
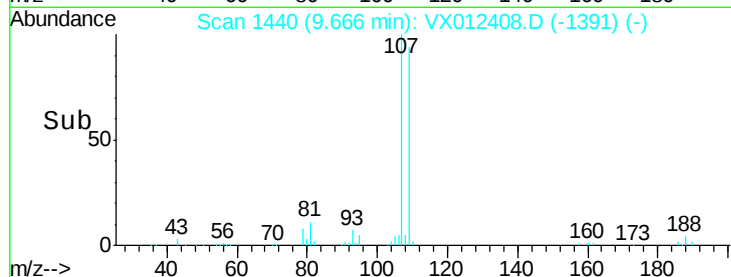
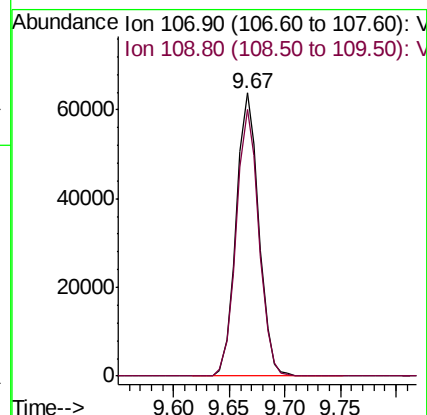
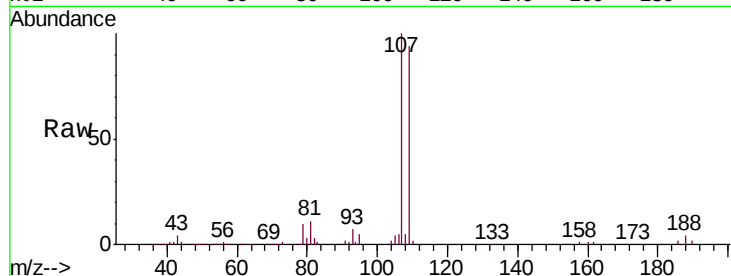
ICVVX091619

Tgt Ion: 107 Resp: 89800

Ion Ratio Lower Upper

107 100

109 94.4 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 46.871 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

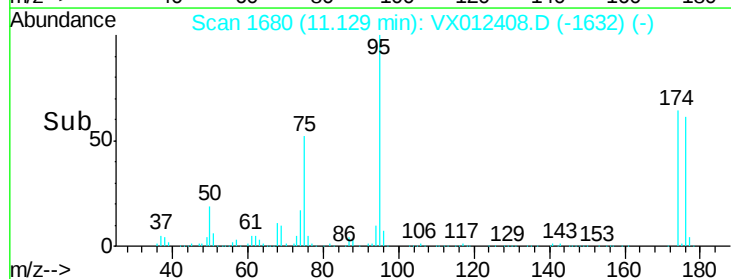
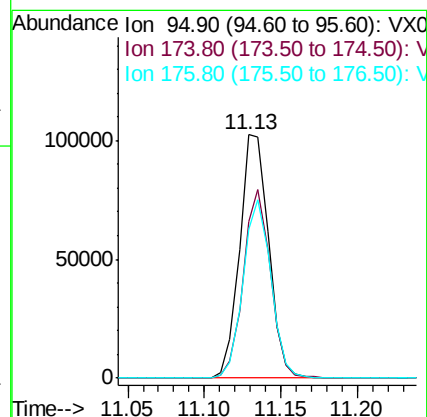
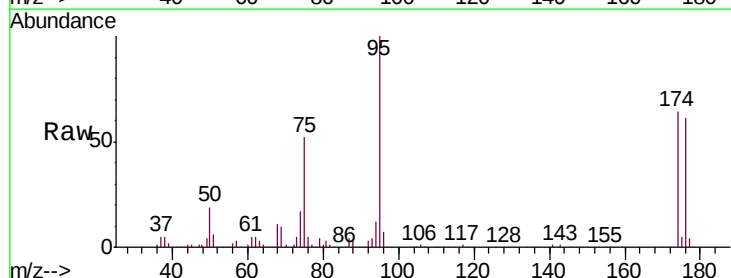
Tgt Ion: 95 Resp: 134994

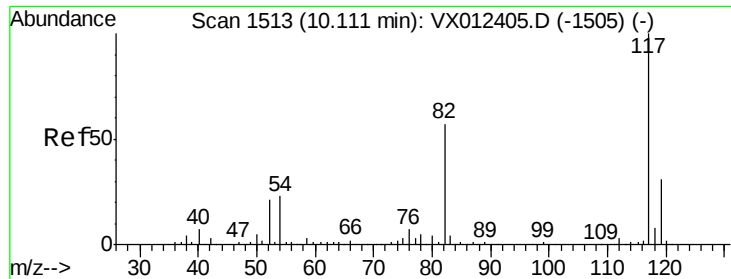
Ion Ratio Lower Upper

95 100

174 72.1 0.0 146.0

176 70.3 0.0 137.6

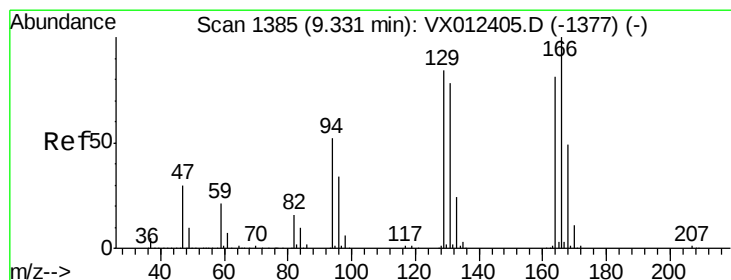
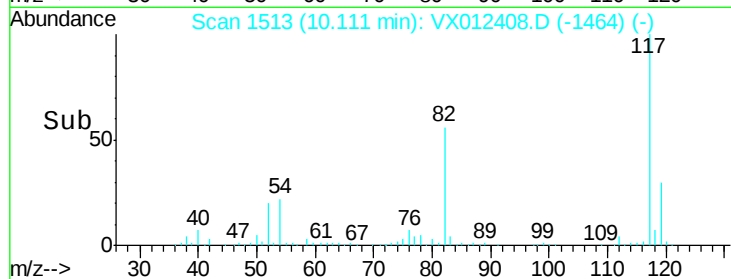
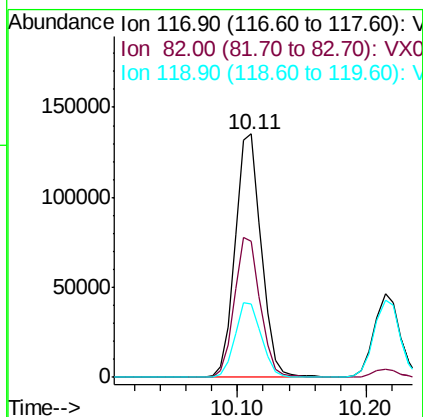
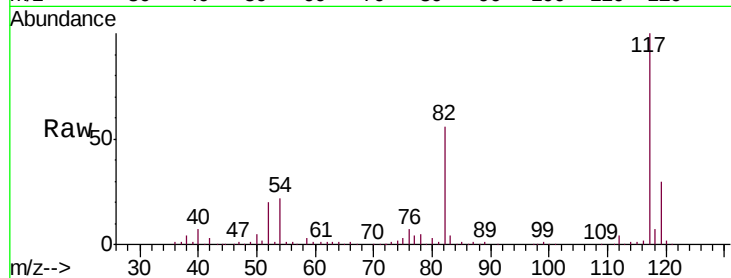




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

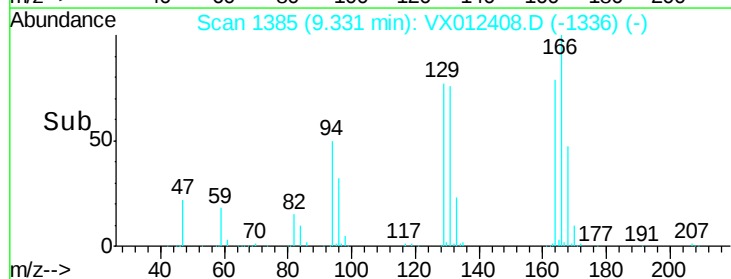
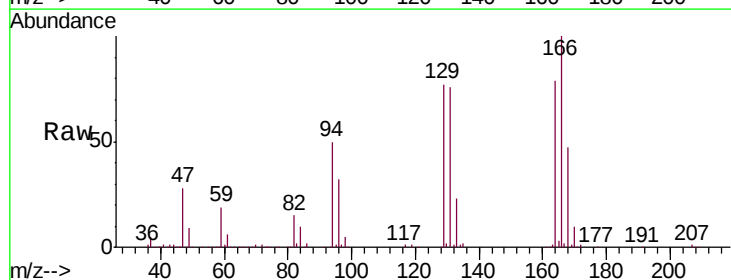
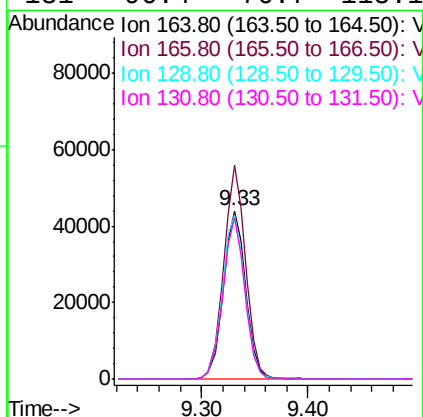
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091619

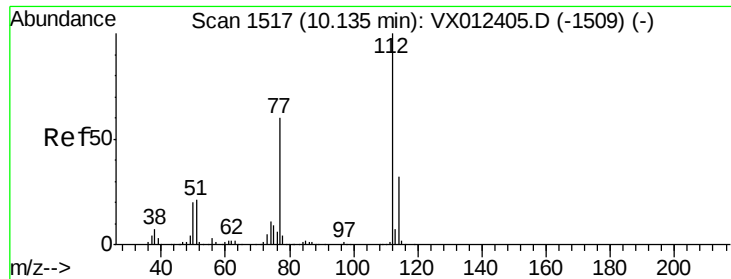
Tgt Ion:117 Resp: 190208
Ion Ratio Lower Upper
117 100
82 55.9 45.8 68.6
119 30.4 24.9 37.3



#64
Tetrachloroethene
Concen: 51.101 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion:164 Resp: 64453
Ion Ratio Lower Upper
164 100
166 127.2 98.2 147.4
129 97.6 82.6 123.8
131 96.4 76.7 115.1





#65

Chlorobenzene

Concen: 50.365 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

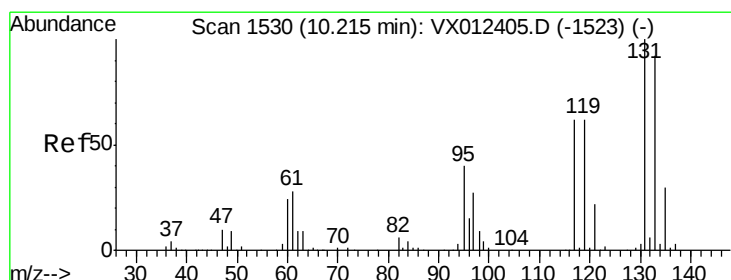
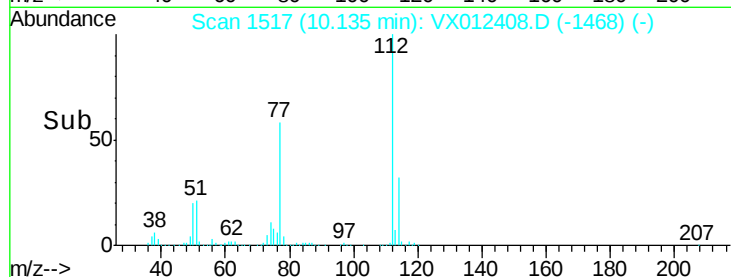
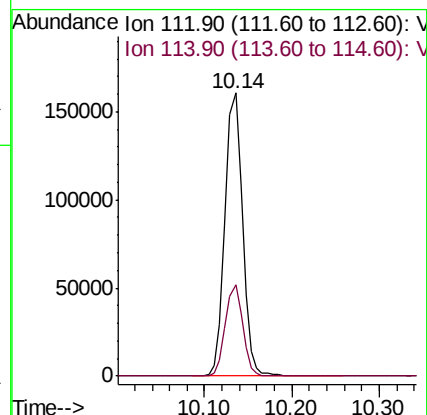
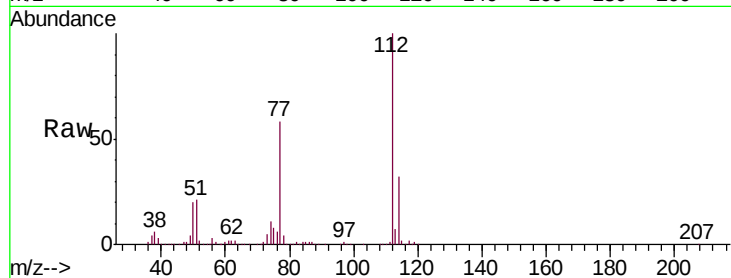
ICVVX091619

Tgt Ion:112 Resp: 223670

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 50.729 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

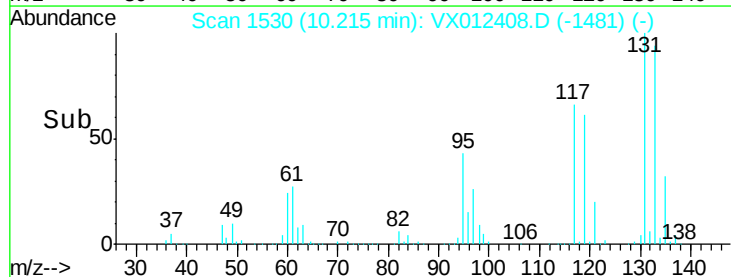
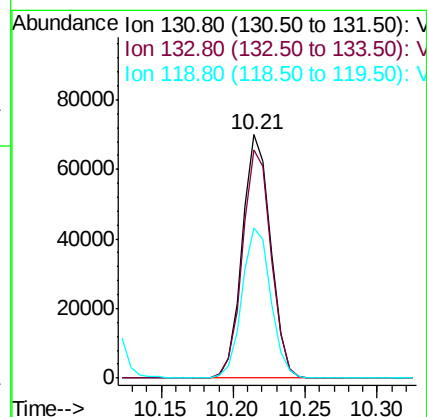
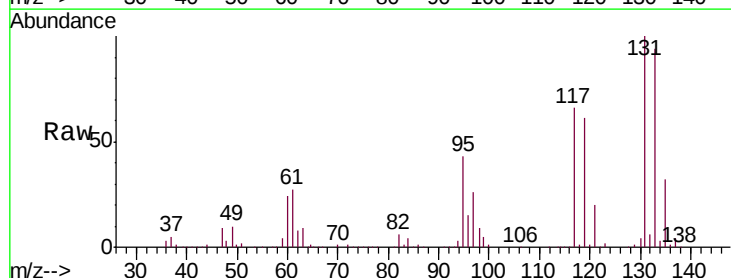
Tgt Ion:131 Resp: 95581

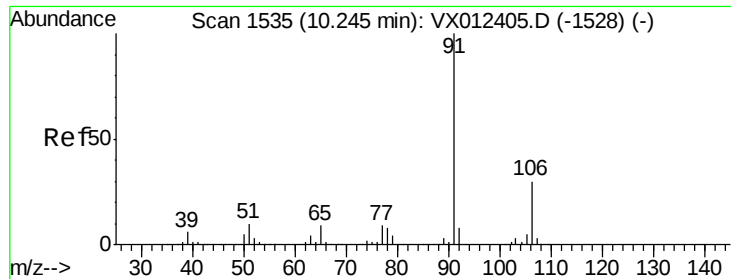
Ion Ratio Lower Upper

131 100

133 95.0 48.4 145.0

119 62.5 31.6 94.7

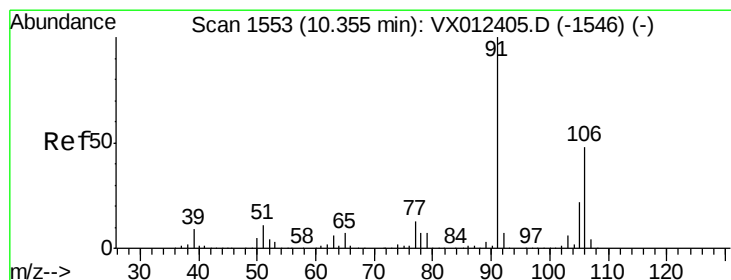
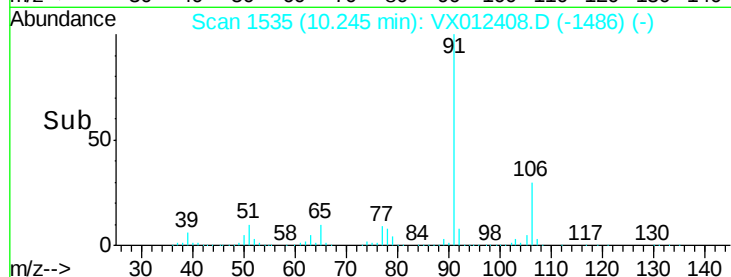
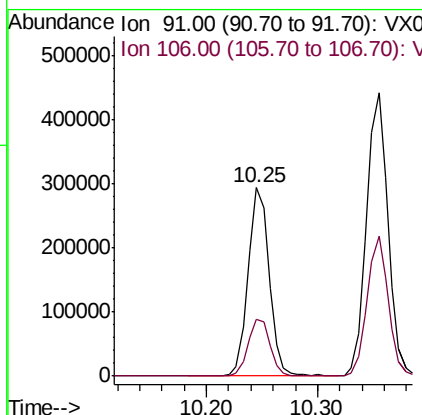
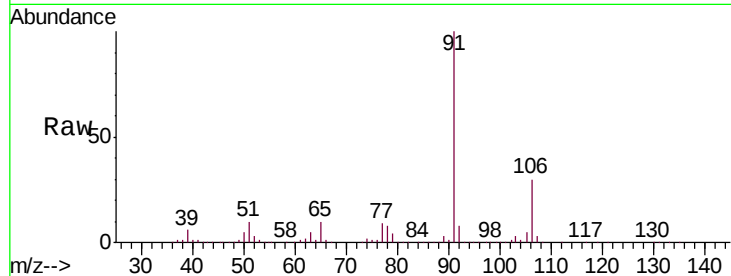




#67
 Ethyl Benzene
 Concen: 51.302 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

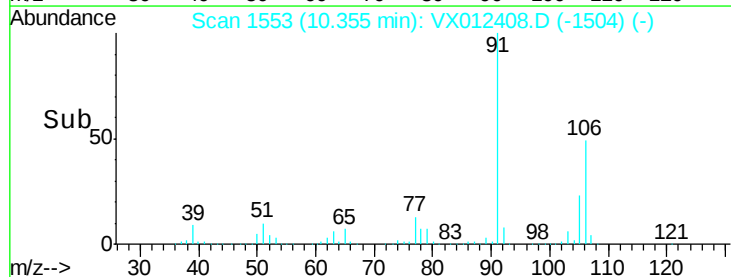
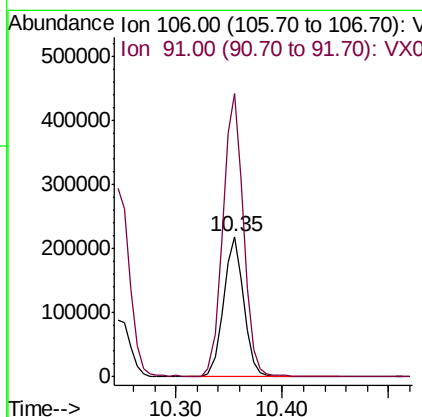
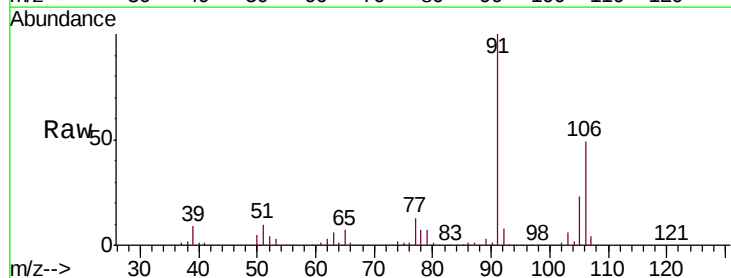
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

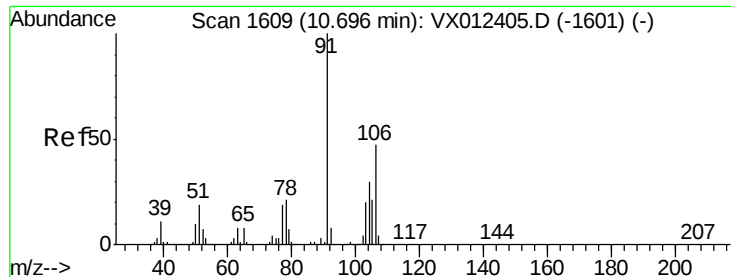
Tgt Ion: 91 Resp: 388814
 Ion Ratio Lower Upper
 91 100
 106 30.4 24.0 36.0



#68
 m/p-Xylenes
 Concen: 103.715 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Tgt Ion: 106 Resp: 290149
 Ion Ratio Lower Upper
 106 100
 91 205.9 167.4 251.0

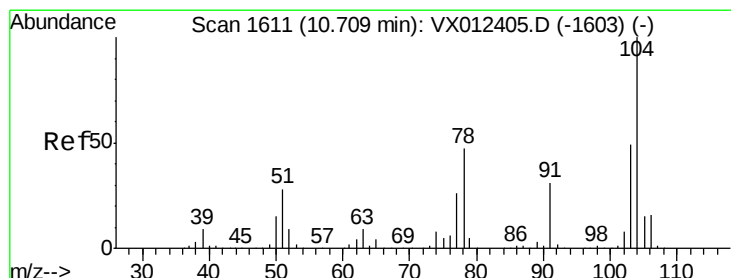
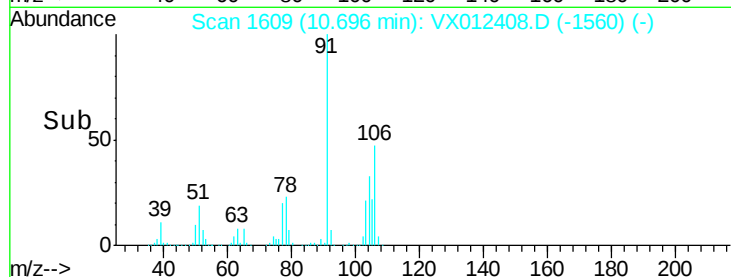
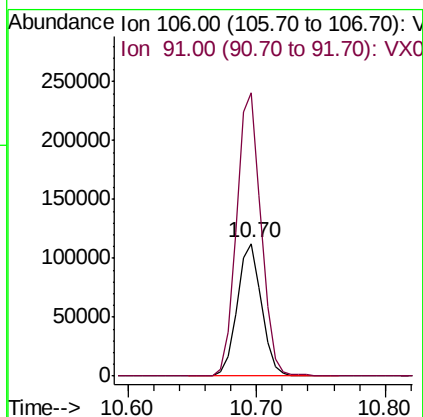
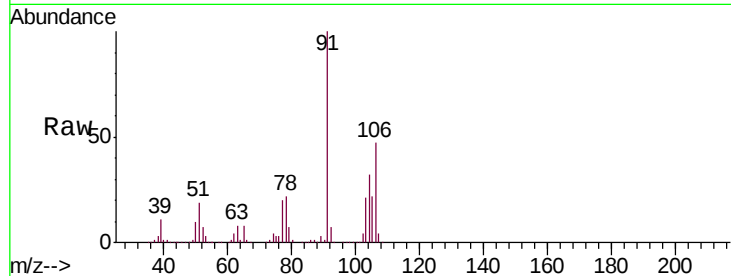




#69
o-Xylene
Concen: 50.834 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

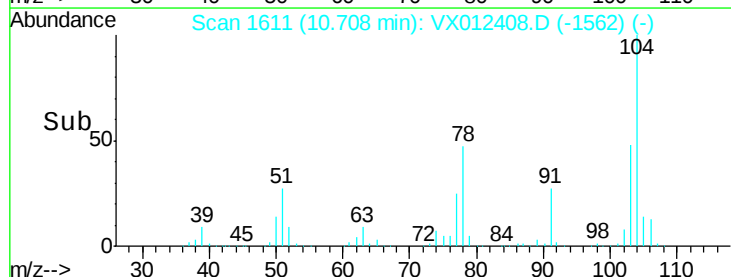
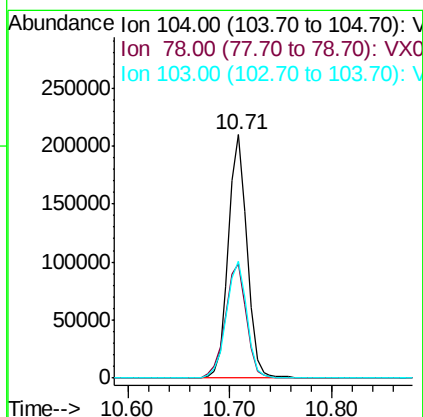
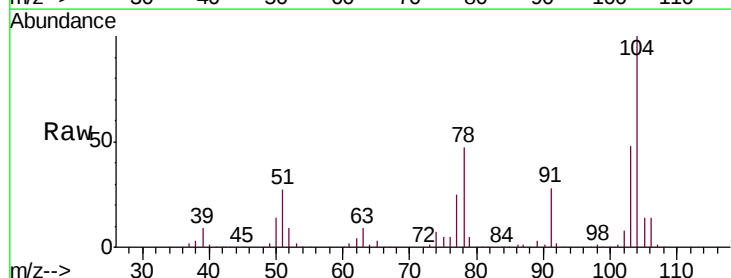
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091619

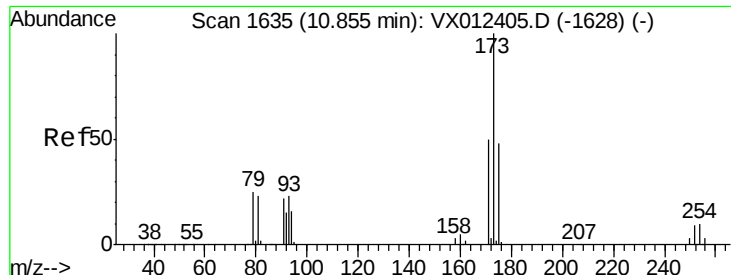
Tgt Ion:106 Resp: 147475
Ion Ratio Lower Upper
106 100
91 215.8 107.8 323.6



#70
Styrene
Concen: 52.504 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion:104 Resp: 264287
Ion Ratio Lower Upper
104 100
78 53.2 42.3 63.5
103 52.9 42.9 64.3





#71

Bromoform

Concen: 45.333 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

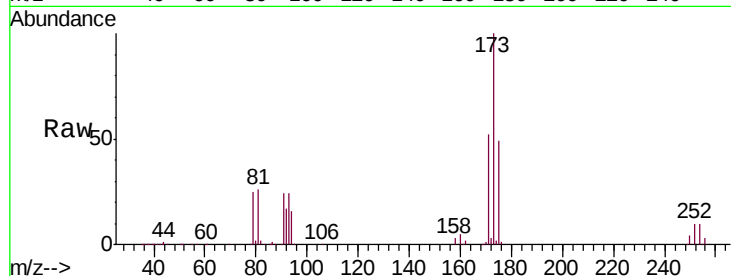
Tgt Ion:173 Resp: 74351

Ion Ratio Lower Upper

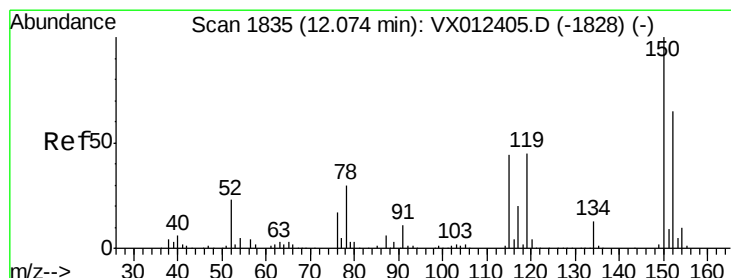
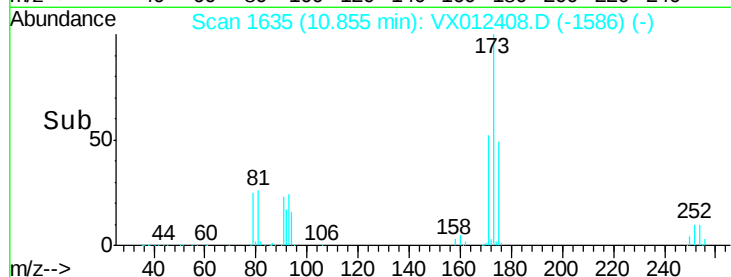
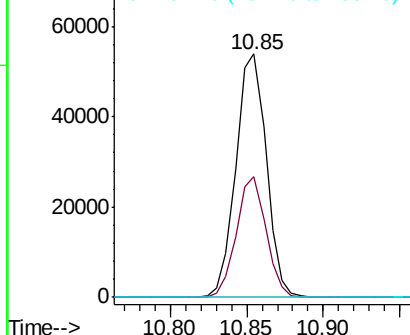
173 100

175 48.3 24.3 73.0

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

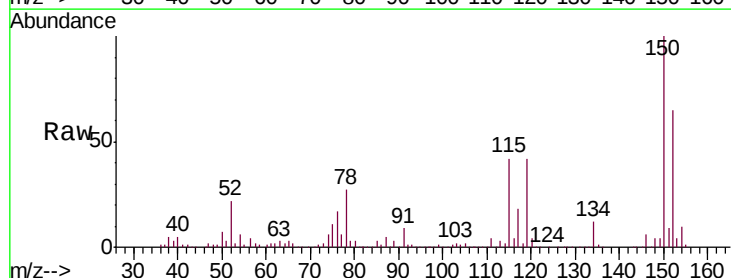
Tgt Ion:152 Resp: 118937

Ion Ratio Lower Upper

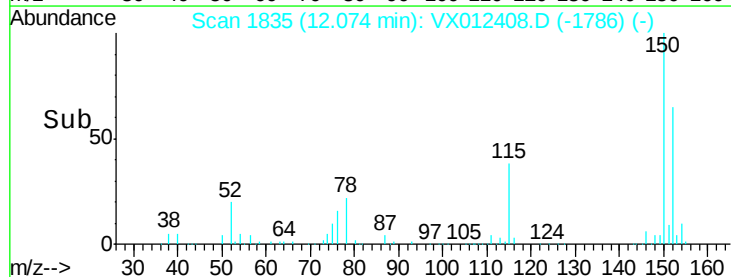
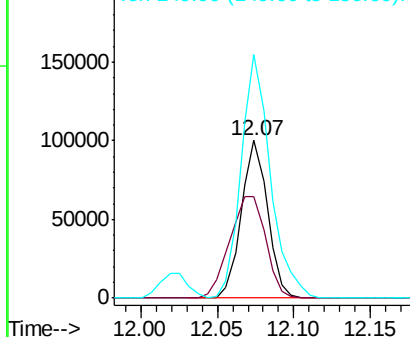
152 100

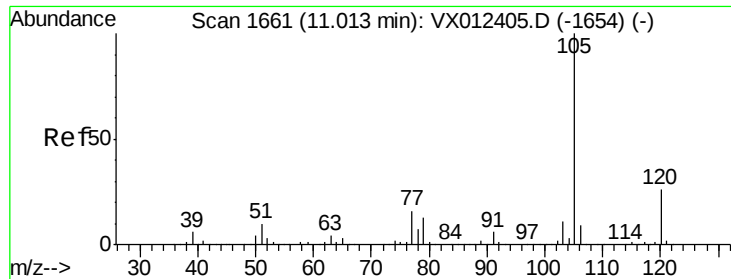
115 88.8 45.3 135.9

150 173.1 0.0 354.0



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: 50.699 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

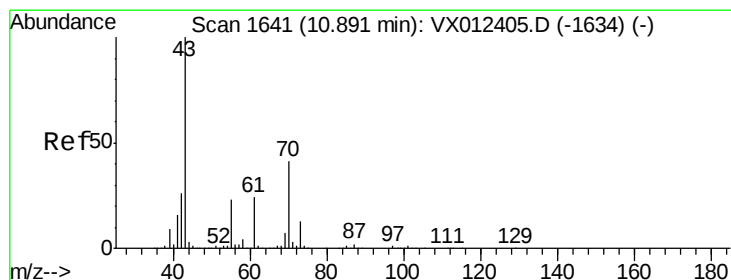
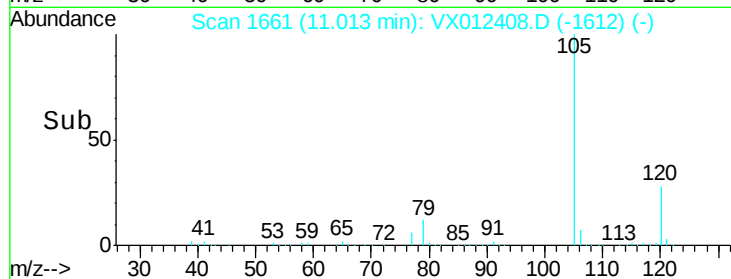
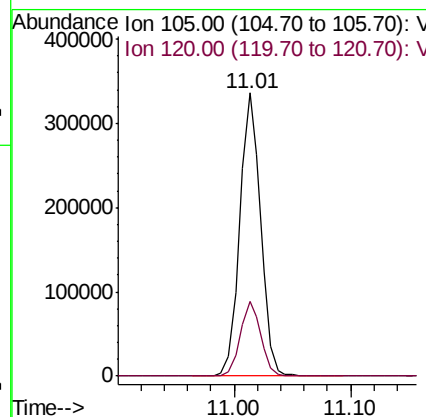
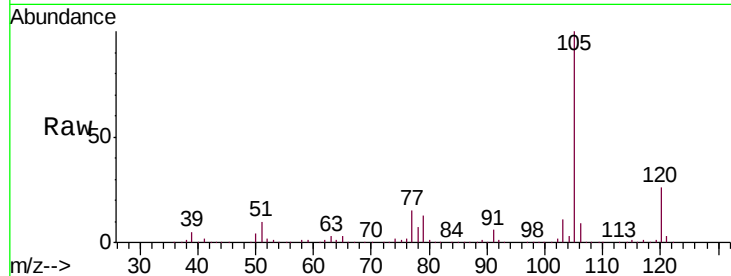
ICVVX091619

Tgt Ion:105 Resp: 418929

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.6



#74

N-ethyl acetate

Concen: 49.203 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Tgt Ion: 43 Resp: 215515

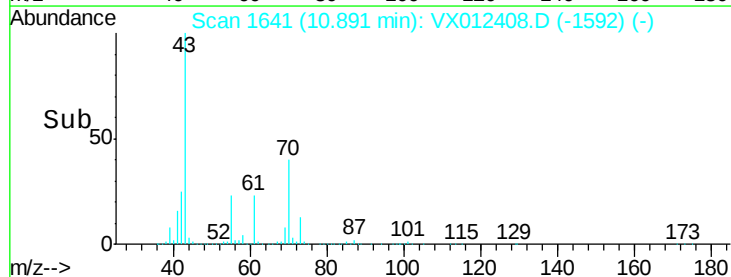
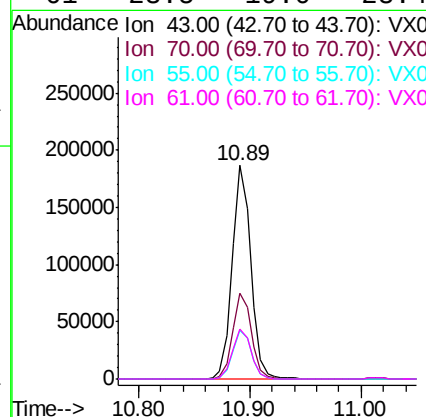
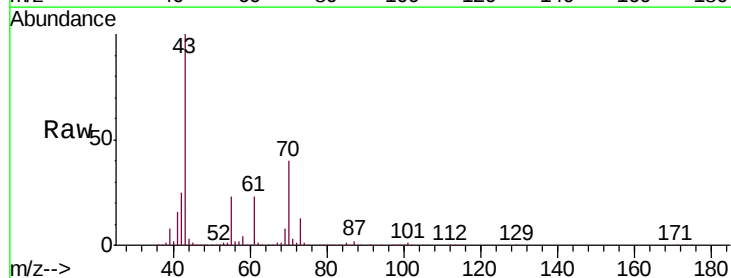
Ion Ratio Lower Upper

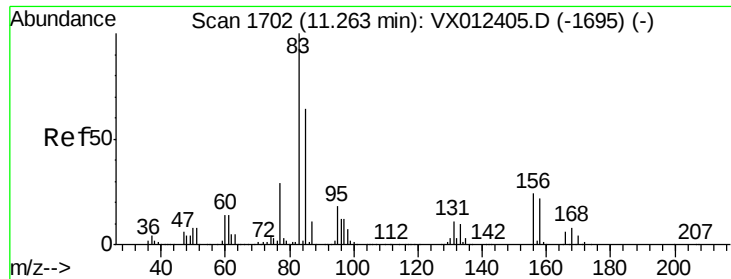
43 100

70 40.8 32.7 49.1

55 23.0 18.9 28.3

61 23.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.223 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

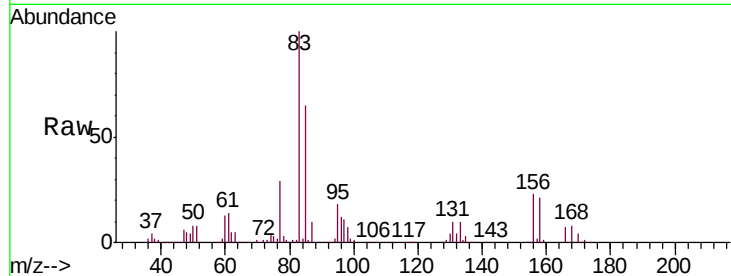
Tgt Ion: 83 Resp: 156470

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

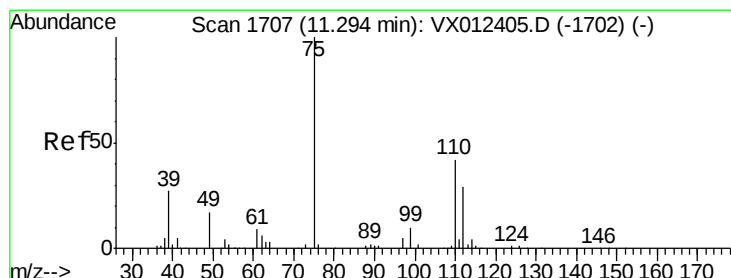
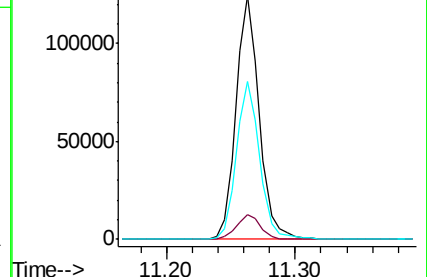
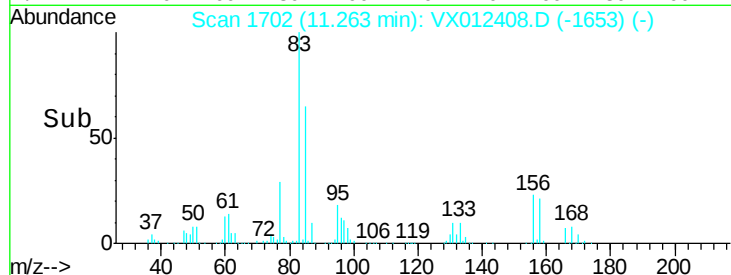
85 64.9 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 60.960 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012408.D

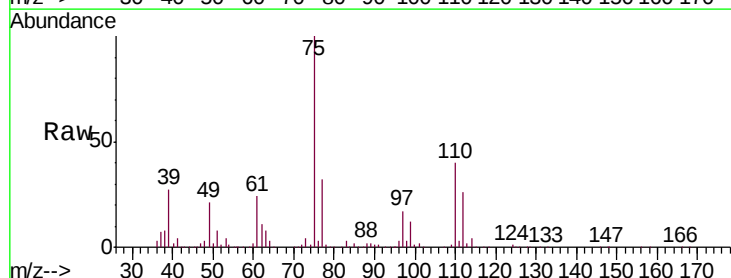
Acq: 16 Sep 2019 15:00

Tgt Ion: 75 Resp: 187426

Ion Ratio Lower Upper

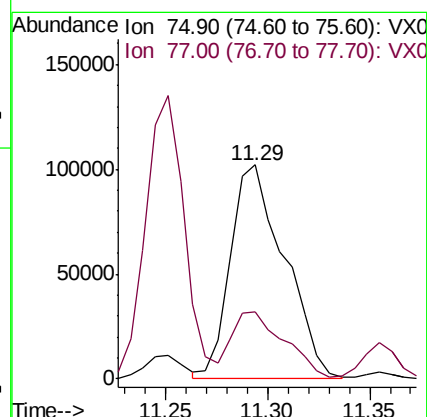
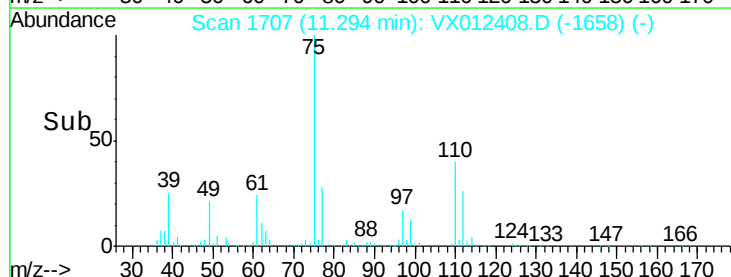
75 100

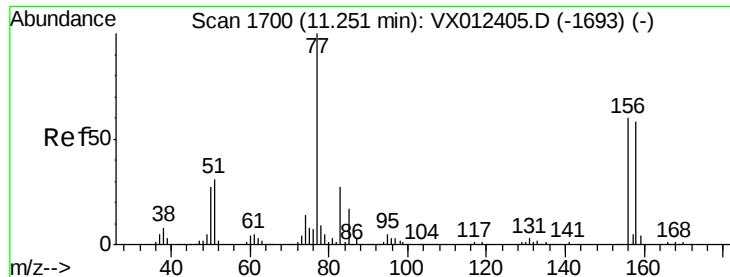
77 30.5 19.4 58.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.821 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

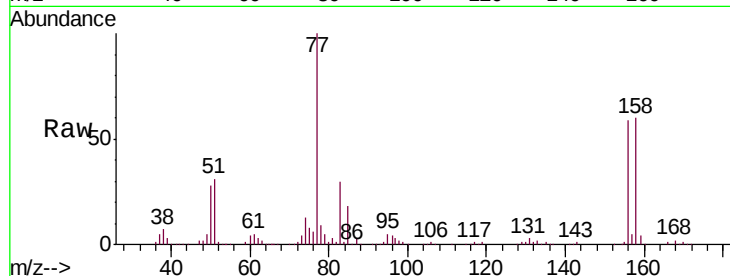
Tgt Ion:156 Resp: 103871

Ion Ratio Lower Upper

156 100

77 172.1 84.8 254.3

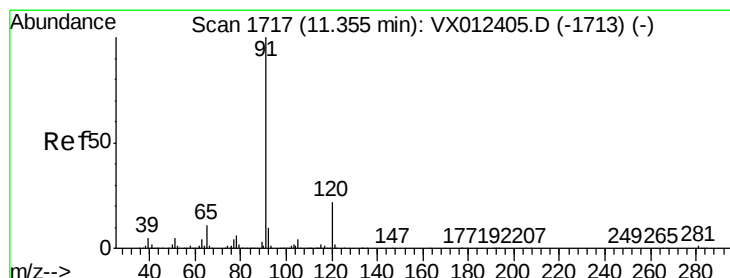
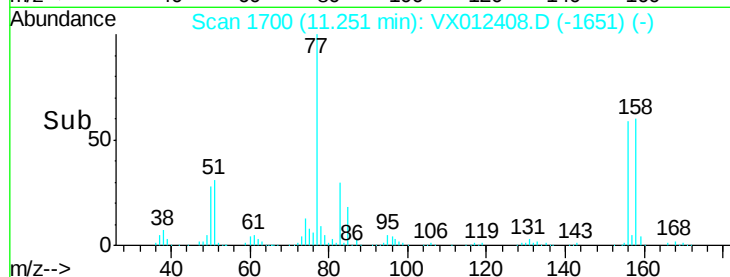
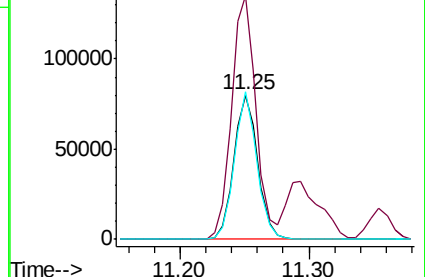
158 96.0 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.487 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012408.D

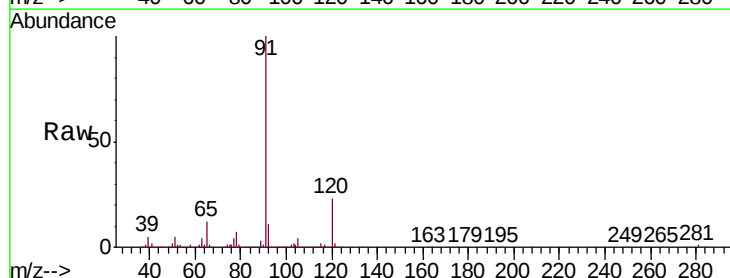
Acq: 16 Sep 2019 15:00

Tgt Ion: 91 Resp: 471476

Ion Ratio Lower Upper

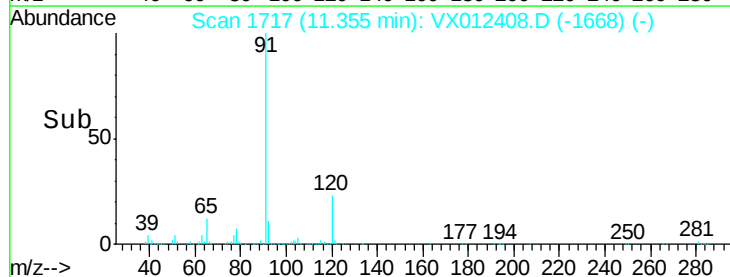
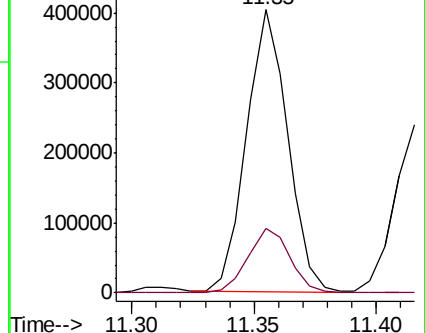
91 100

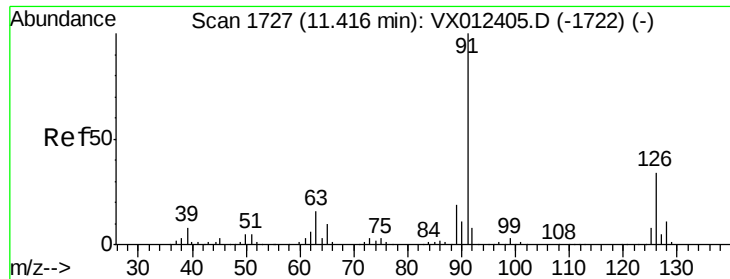
120 23.4 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

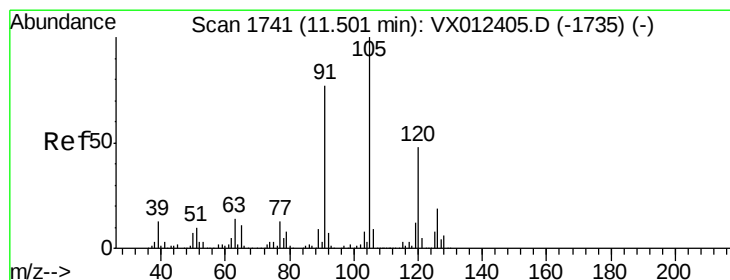
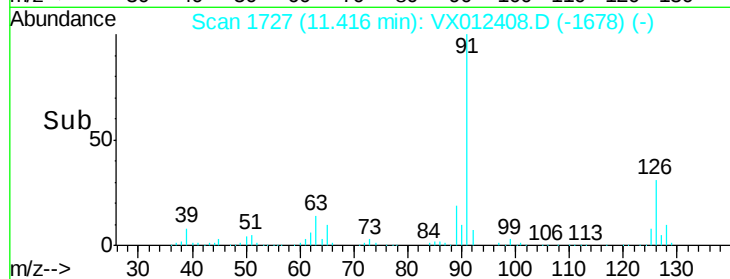
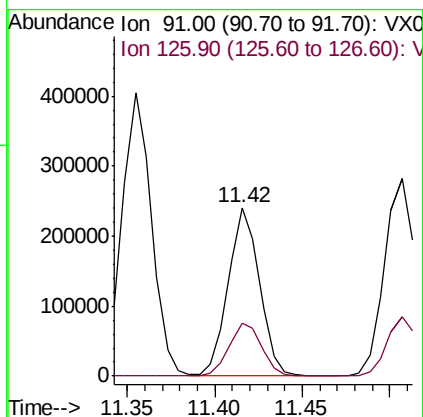
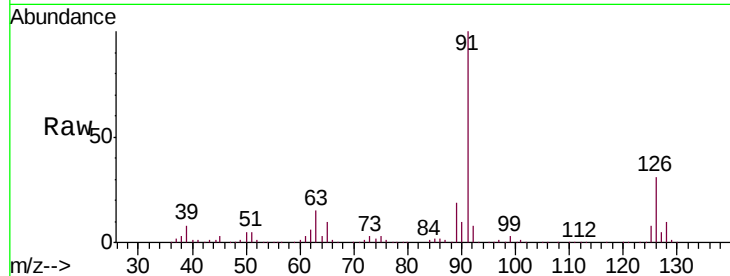




#79
 2-Chlorotoluene
 Concen: 49.653 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

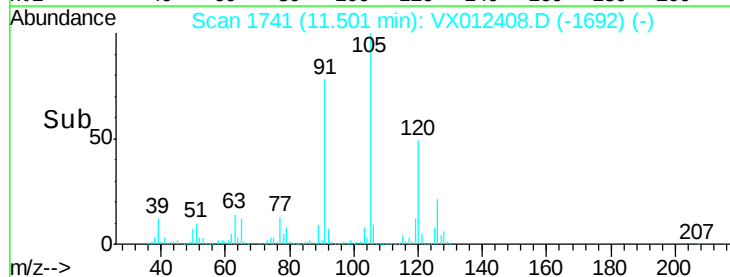
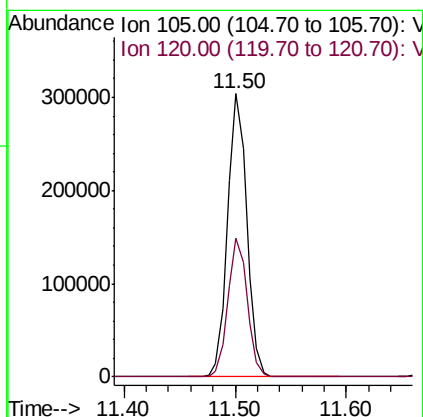
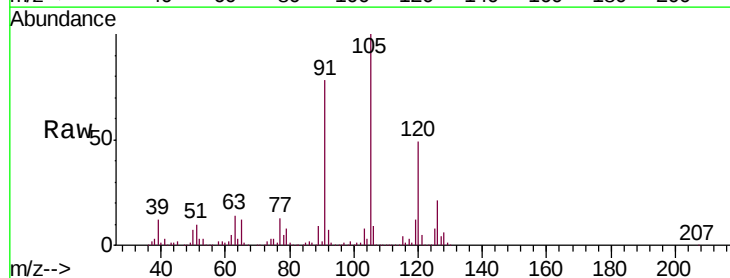
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

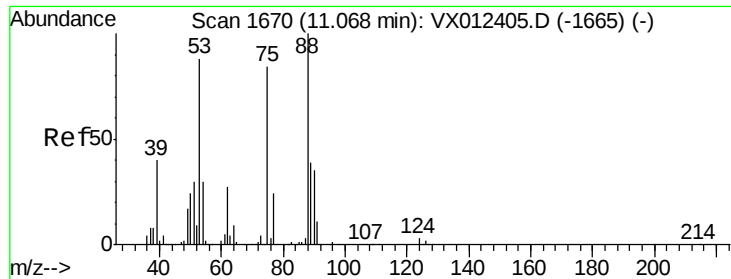
Tgt Ion: 91 Resp: 297670
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.398 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Tgt Ion: 105 Resp: 362636
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 48.726 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

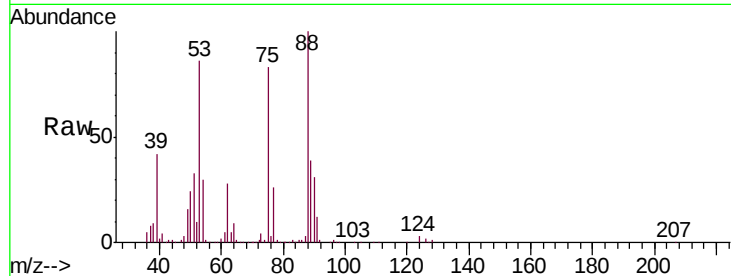
Tgt Ion: 75 Resp: 53069

Ion Ratio Lower Upper

75 100

53 103.0 84.6 127.0

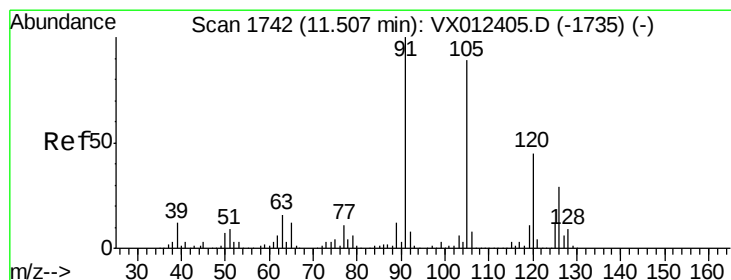
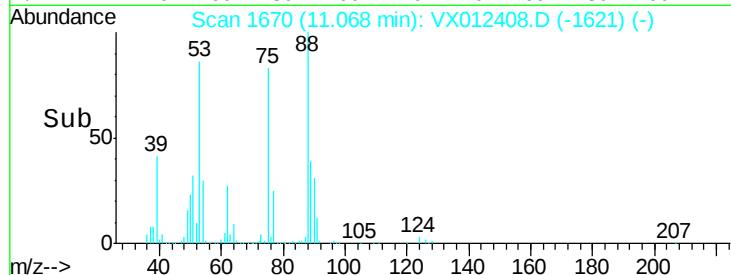
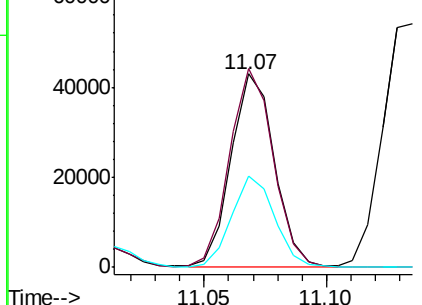
89 47.0 38.8 58.2



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



#82

4-Chlorotoluene

Concen: 50.527 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012408.D

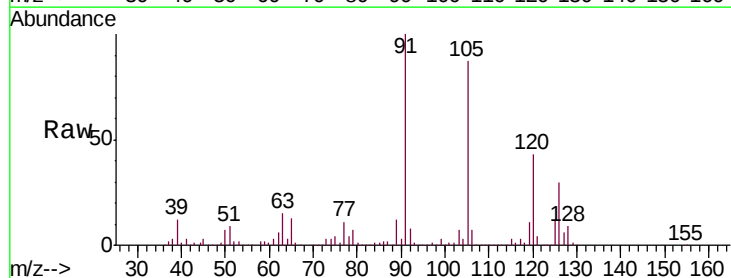
Acq: 16 Sep 2019 15:00

Tgt Ion: 91 Resp: 353240

Ion Ratio Lower Upper

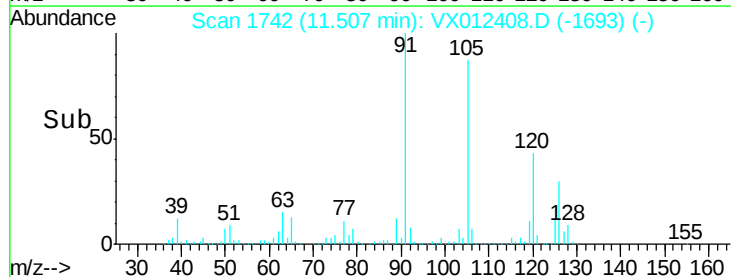
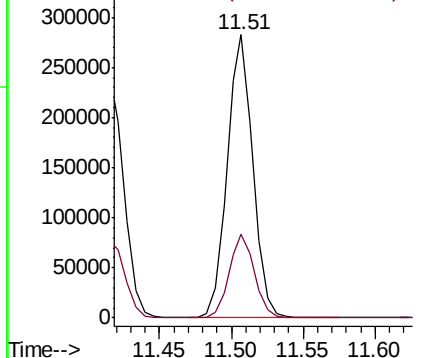
91 100

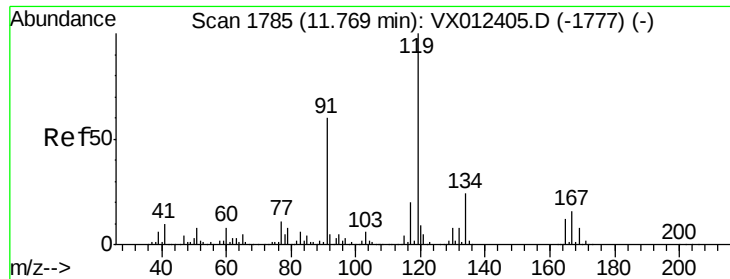
126 29.0 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

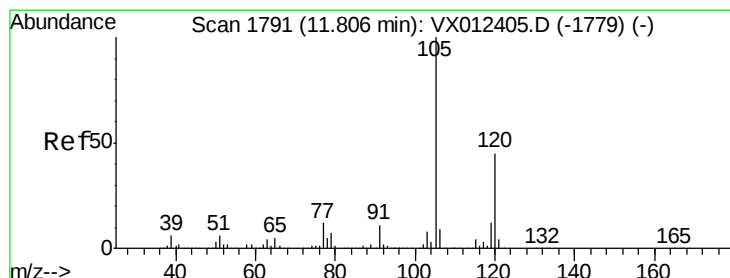
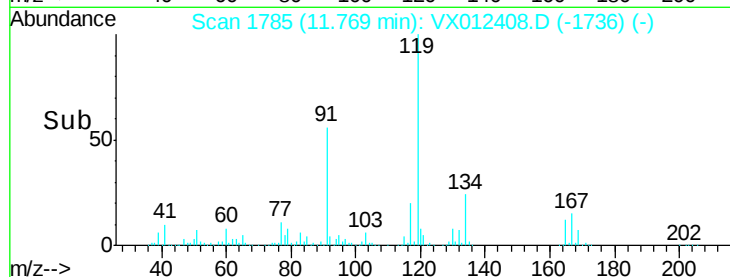
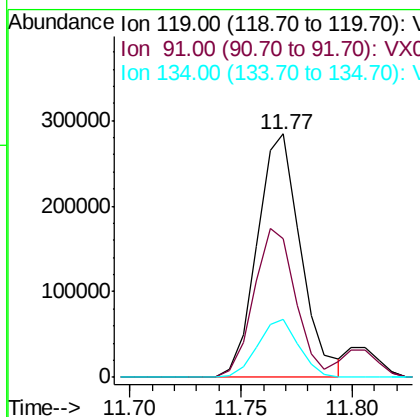
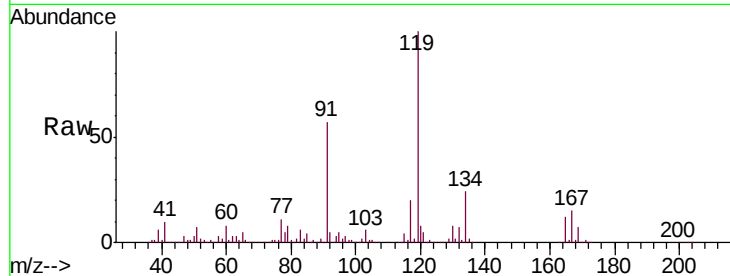




#83
 tert-Butylbenzene
 Concen: 50.666 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

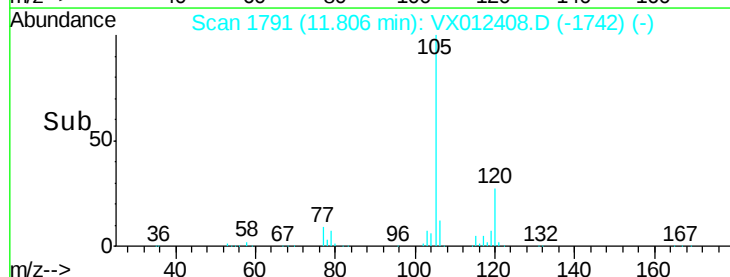
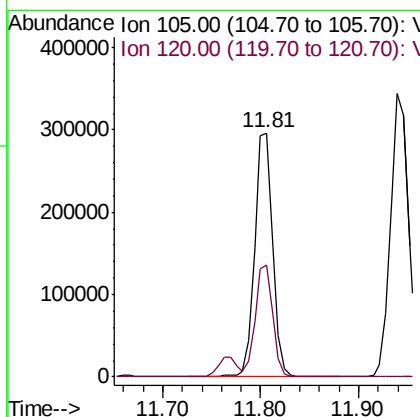
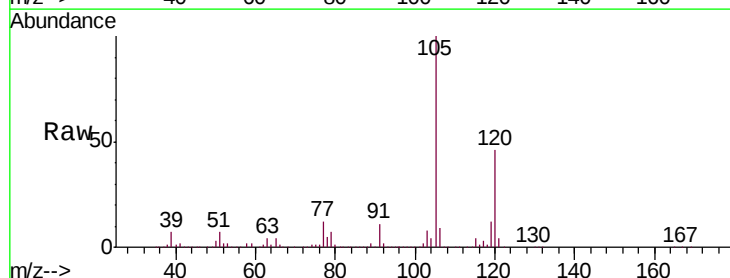
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

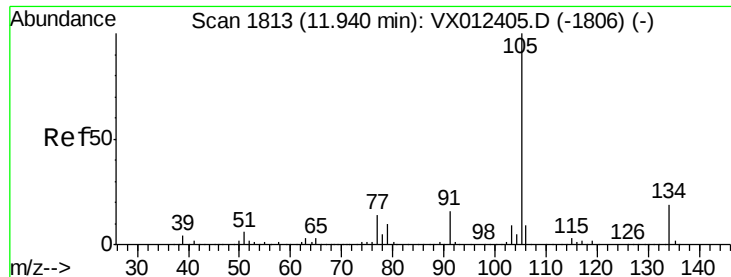
Tgt Ion:119 Resp: 386694
 Ion Ratio Lower Upper
 119 100
 91 58.4 29.6 88.8
 134 22.5 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.412 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Tgt Ion:105 Resp: 375364
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.1 66.5

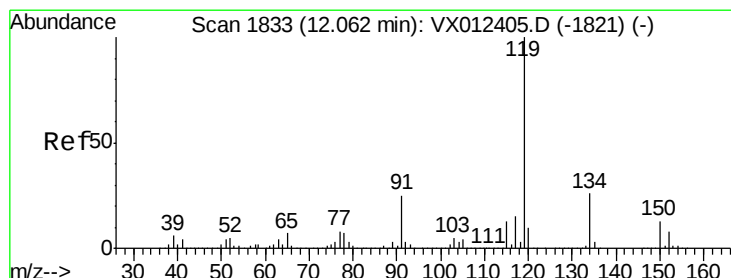
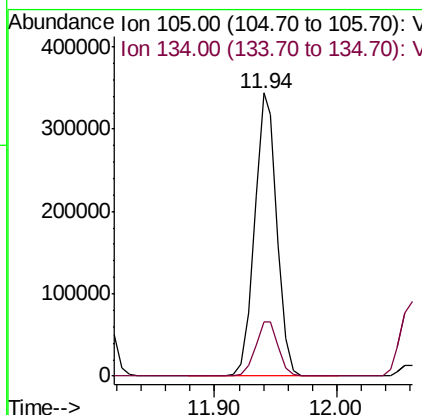
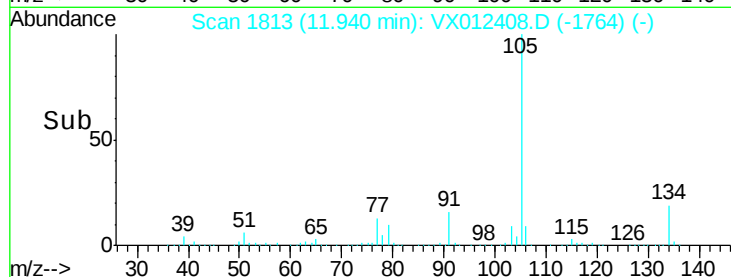
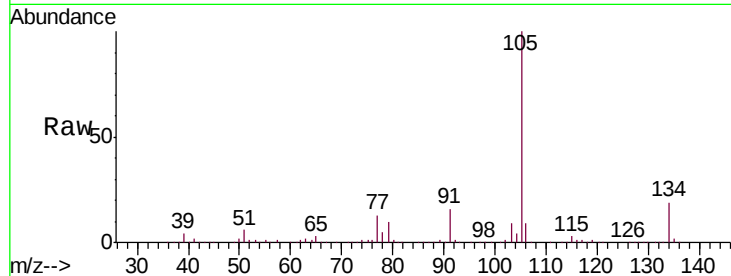




#85
 sec-Butylbenzene
 Concen: 51.512 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

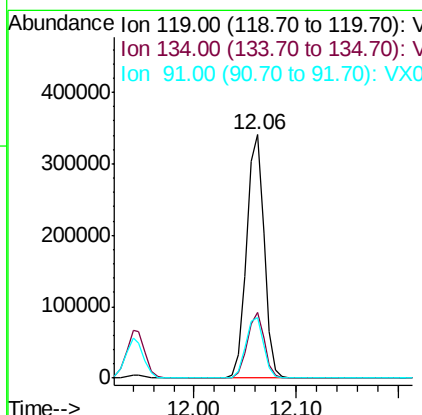
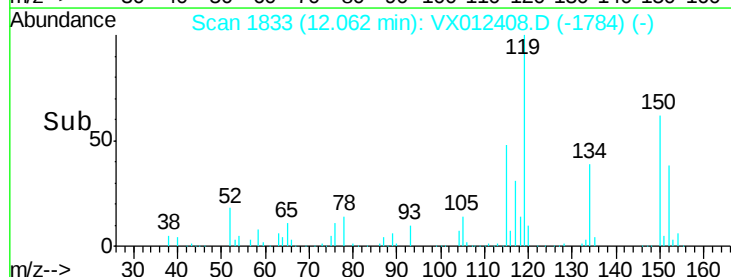
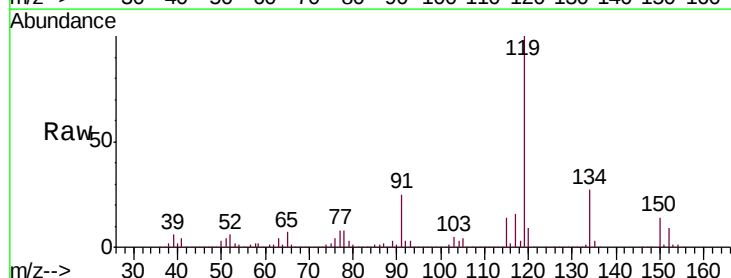
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

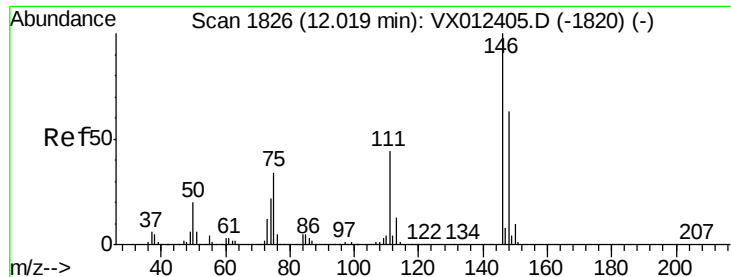
Tgt Ion:105 Resp: 434650
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 52.556 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Tgt Ion:119 Resp: 406277
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.6
 91 25.2 12.9 38.6

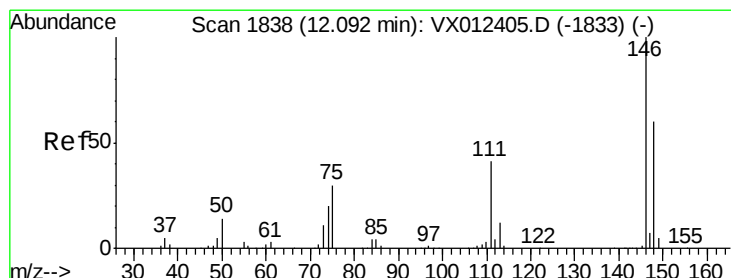
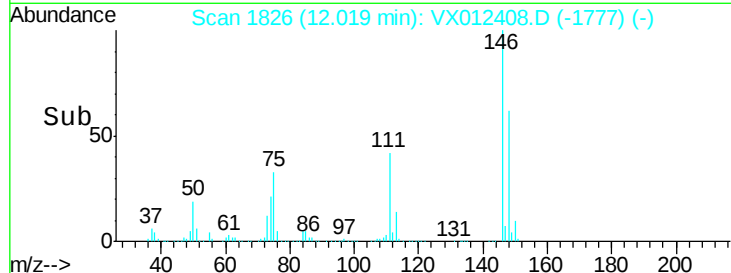
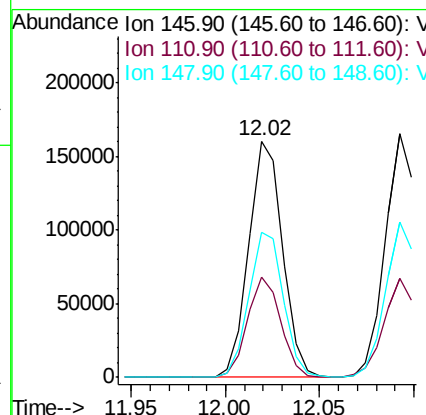
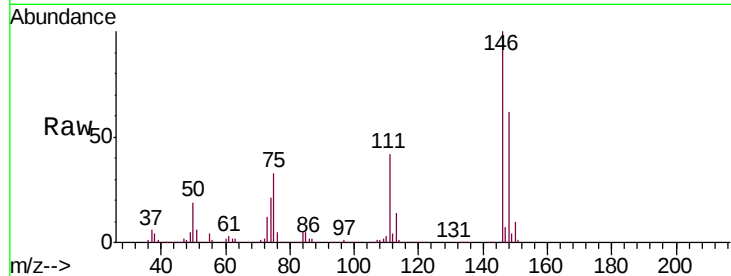




#87
 1,3-Dichlorobenzene
 Concen: 50.280 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

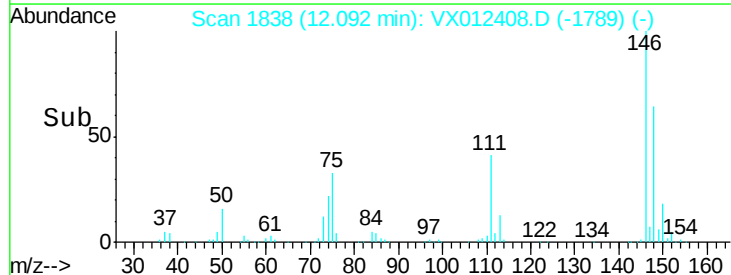
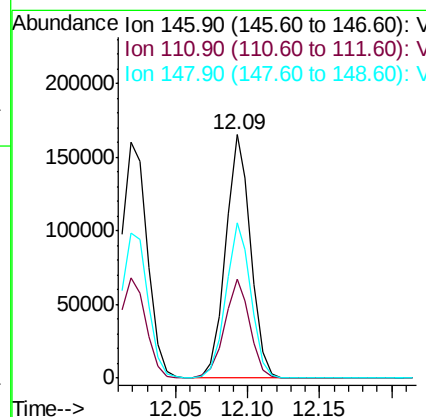
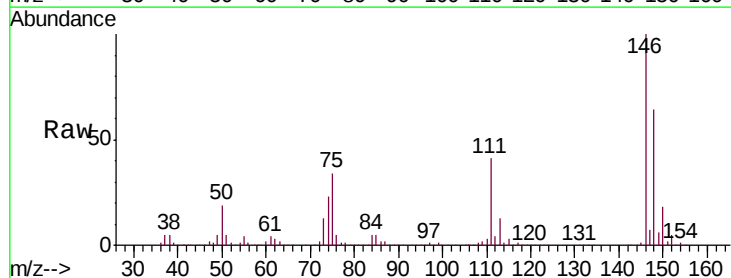
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

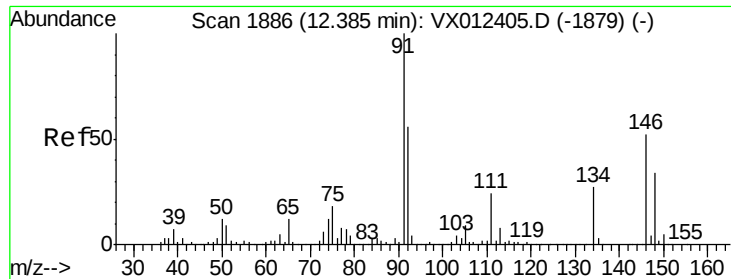
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	64.0
148	62.6	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 50.013 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	64.0	31.6	94.8

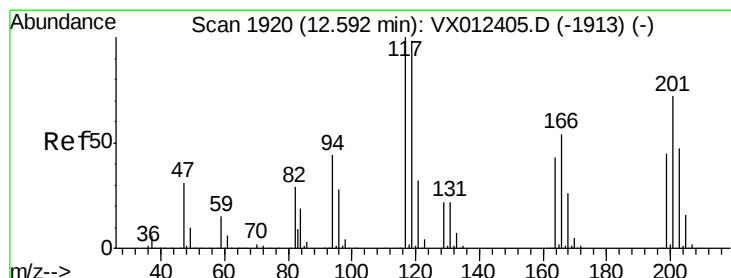
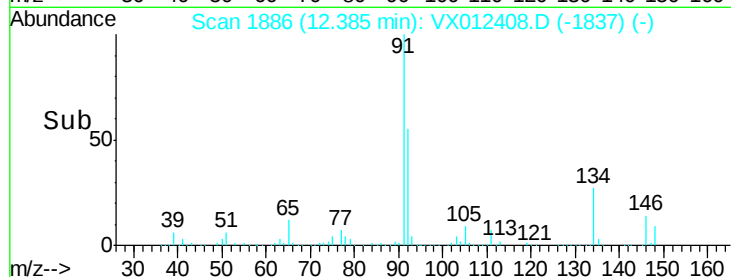
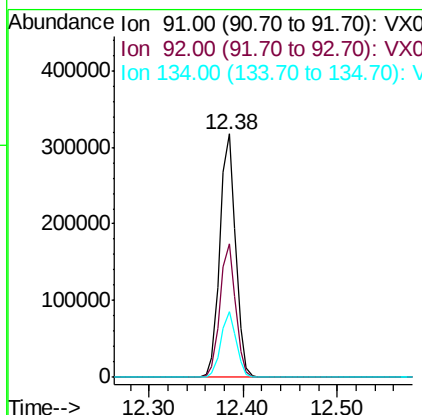
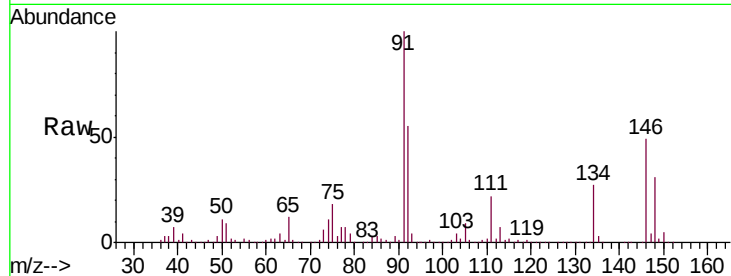




#89
n-Butylbenzene
Concen: 53.908 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

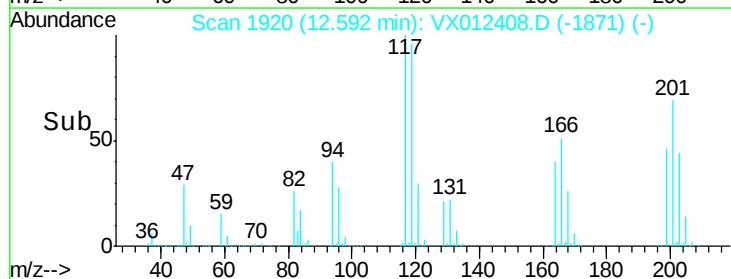
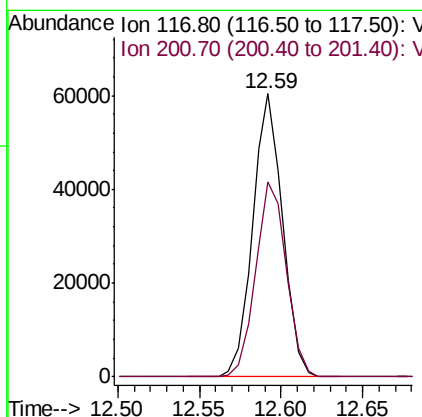
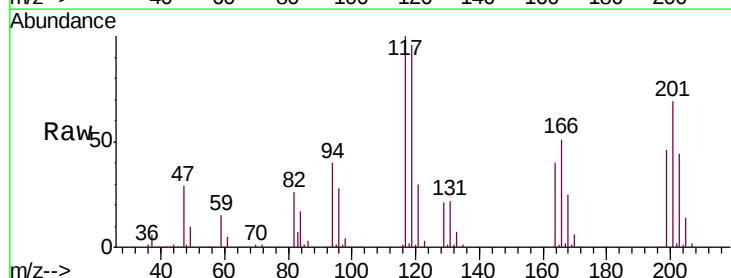
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091619

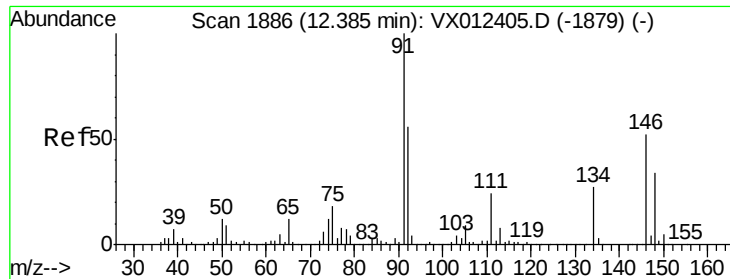
Tgt Ion: 91 Resp: 368015
Ion Ratio Lower Upper
91 100
92 54.5 27.5 82.4
134 26.3 13.2 39.6



#90
Hexachloroethane
Concen: 51.250 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion: 117 Resp: 76592
Ion Ratio Lower Upper
117 100
201 70.7 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 49.775 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091619

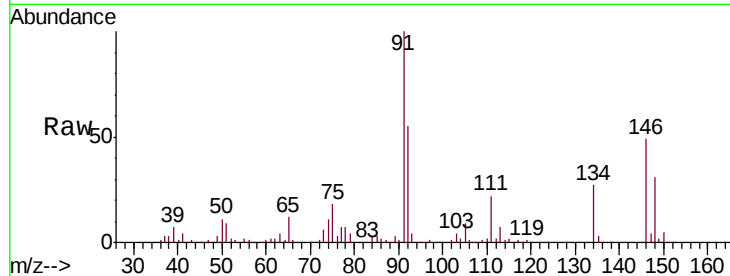
Tgt Ion:146 Resp: 202932

Ion Ratio Lower Upper

146 100

111 43.4 22.3 66.9

148 63.3 32.0 96.0

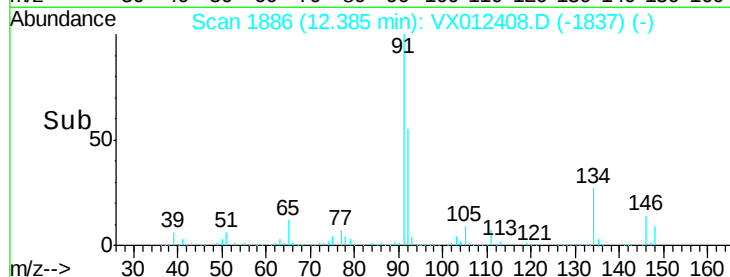


Abundance Ion 145.90 (145.60 to 146.60): V

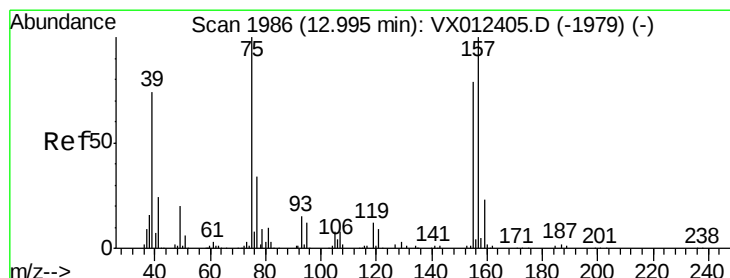
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time--> 12.30 12.35 12.40 12.45



Time--> 12.30 12.35 12.40 12.45



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.705 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX012408.D

Acq: 16 Sep 2019 15:00

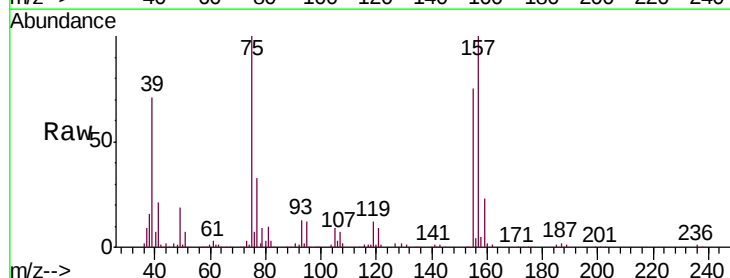
Tgt Ion: 75 Resp: 41753

Ion Ratio Lower Upper

75 100

155 77.8 39.8 119.4

157 100.0 50.0 150.1

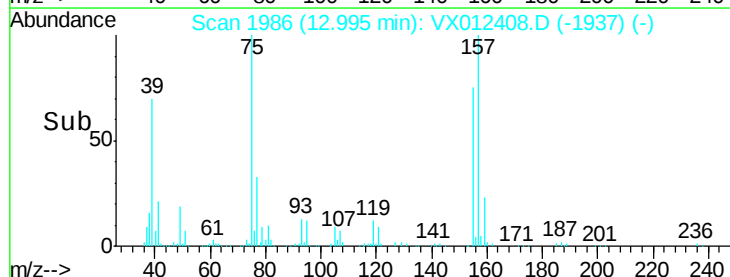


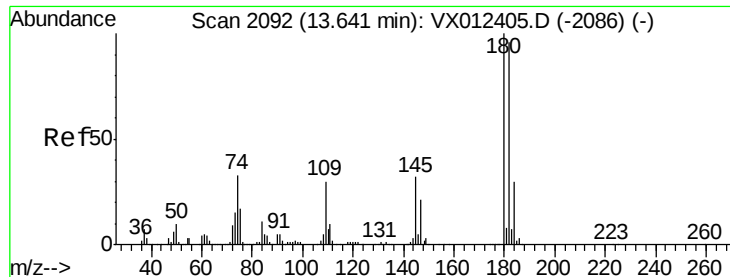
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time--> 12.90 13.00

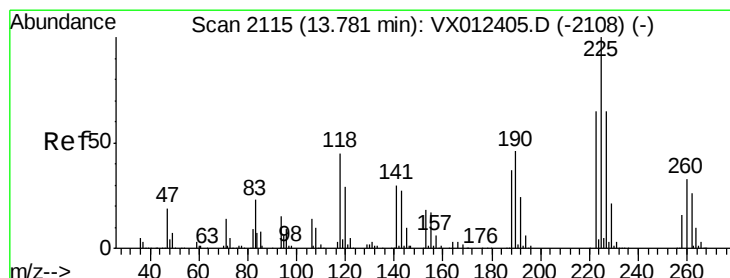
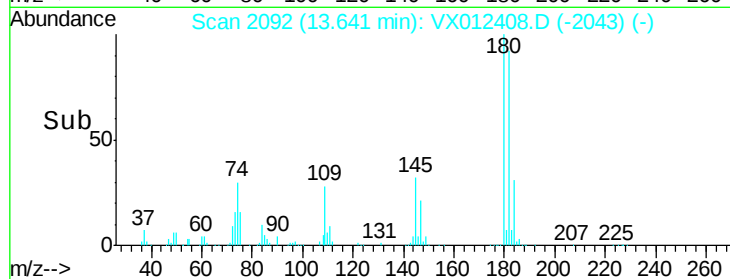
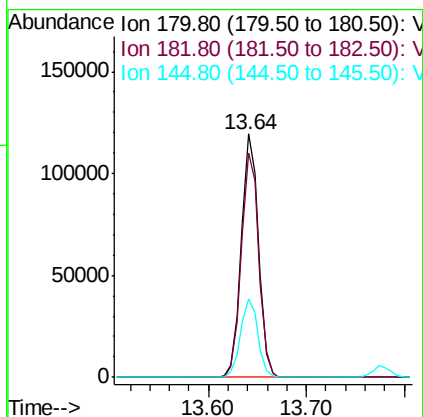
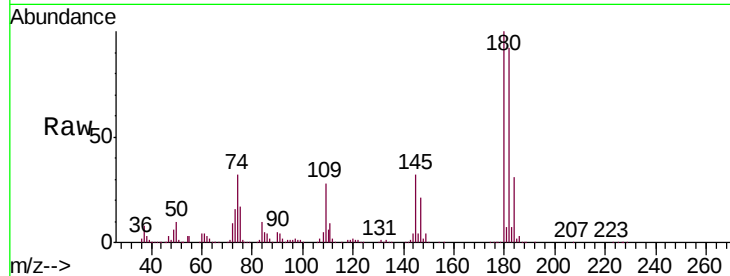




#93
 1,2,4-Trichlorobenzene
 Concen: 53.254 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

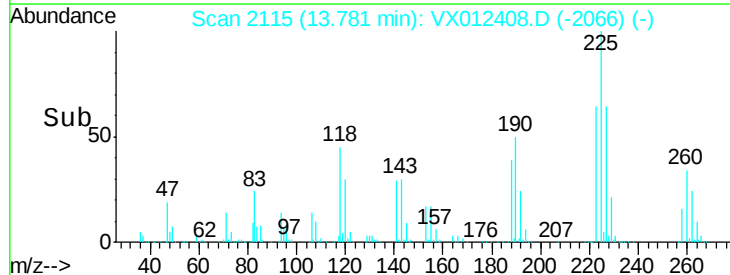
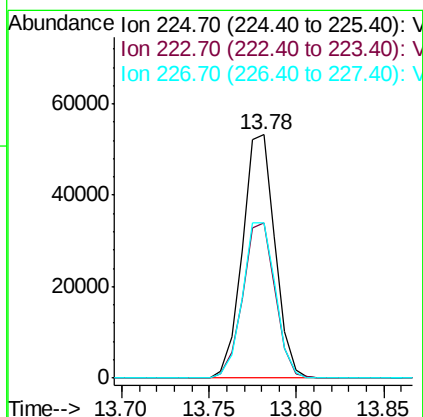
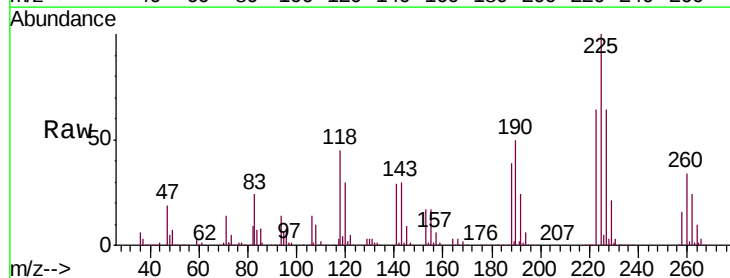
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091619

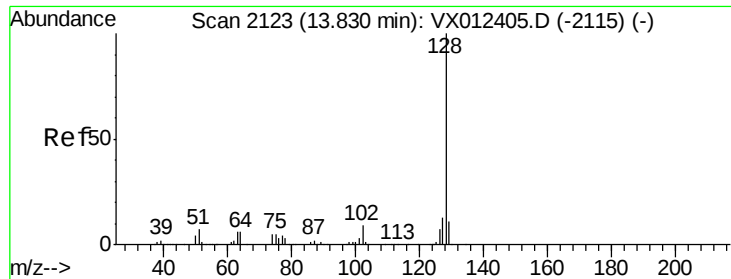
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.1	144.4
145	32.6	16.6	49.7



#94
 Hexachlorobutadiene
 Concen: 52.106 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012408.D
 Acq: 16 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.0	96.0
227	64.6	32.8	98.3

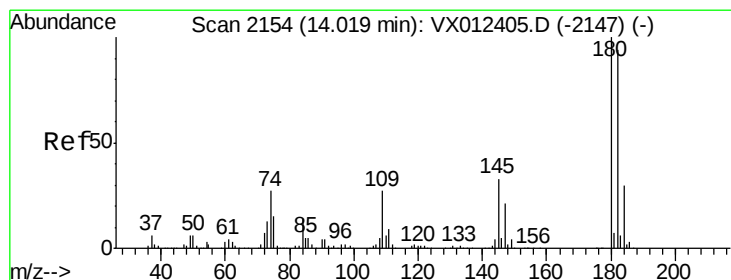
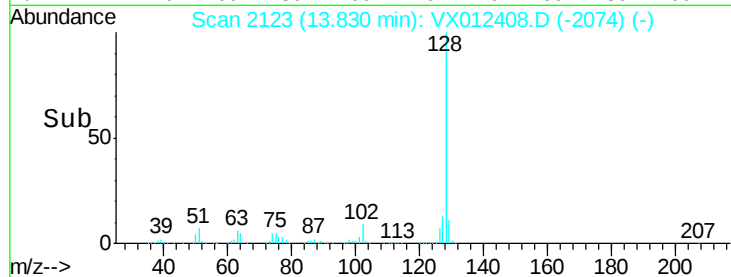
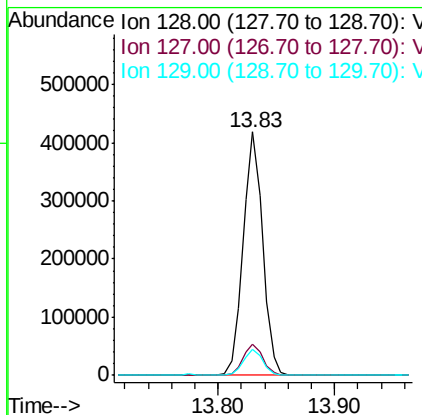
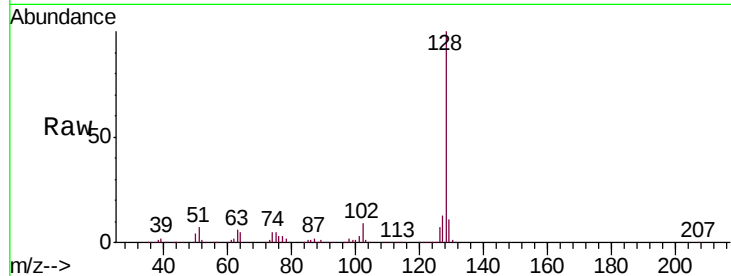




#95
Naphthalene
Concen: 48.667 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091619

Tgt Ion:128 Resp: 490044
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.857 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012408.D
Acq: 16 Sep 2019 15:00

Tgt Ion:180 Resp: 143819
Ion Ratio Lower Upper
180 100
182 96.9 46.9 140.8
145 35.4 17.6 52.9

