

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007666.D
 Acq On : 25 Feb 2019 11:34
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 26 01:37:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:13:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	345935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	554544	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	510749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	282461	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	422680	98.64	ug/l	0.00
Spiked Amount			Recovery	=	197.28%	
35) Dibromofluoromethane	5.50	113	363206	97.98	ug/l	0.00
Spiked Amount			Recovery	=	195.96%	
50) Toluene-d8	8.71	98	1407030	99.15	ug/l	0.00
Spiked Amount			Recovery	=	198.30%	
62) 4-Bromofluorobenzene	11.13	95	549063	105.41	ug/l	0.00
Spiked Amount			Recovery	=	210.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	317792	99.723	ug/l	96
3) Chloromethane	1.33	50	323702	91.665	ug/l	100
4) Vinyl Chloride	1.41	62	356110	98.291	ug/l	98
5) Bromomethane	1.64	94	227714	87.184	ug/l	97
6) Chloroethane	1.71	64	232162	100.299	ug/l	99
7) Trichlorofluoromethane	1.92	101	542927	97.752	ug/l	98
8) Diethyl Ether	2.19	74	218831	96.002	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	316148	94.177	ug/l	93
10) Methyl Iodide	2.51	142	441409	105.599	ug/l	97
11) Tert butyl alcohol	3.09	59	394816	485.616	ug/l	99
12) 1,1-Dichloroethene	2.37	96	301629	99.680	ug/l	96
13) Acrolein	2.30	56	354454	490.620	ug/l	100
14) Allyl chloride	2.73	41	559071	99.921	ug/l	98
15) Acrylonitrile	3.15	53	940800	491.719	ug/l	99
16) Acetone	2.45	43	888666	466.355	ug/l	99
17) Carbon Disulfide	2.57	76	862820	102.491	ug/l	100
18) Methyl Acetate	2.78	43	405529	97.527	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	1047621	99.419	ug/l	98
20) Methylene Chloride	2.85	84	326382	92.758	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	321106	97.612	ug/l	93
22) Diisopropyl ether	3.87	45	1206359	103.574	ug/l	99
23) Vinyl Acetate	3.83	43	5359446	524.467	ug/l	99
24) 1,1-Dichloroethane	3.70	63	621118	98.122	ug/l	99
25) 2-Butanone	4.70	43	1463008	504.023	ug/l	97
26) 2,2-Dichloropropane	4.59	77	507035	100.345	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	402790	96.228	ug/l	96
28) Bromochloromethane	5.02	49	303781	98.577	ug/l	87
29) Tetrahydrofuran	5.15	42	975880	510.035	ug/l	98
30) Chloroform	5.22	83	664664	98.025	ug/l	100
31) Cyclohexane	5.57	56	602119	101.123	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	571983	102.000	ug/l	97
36) 1,1-Dichloropropene	5.80	75	503954	101.083	ug/l	97
37) Ethyl Acetate	4.86	43	560272	101.166	ug/l	99
38) Carbon Tetrachloride	5.78	117	509811	101.799	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	630929	100.131	ug/l	96
40) Benzene	6.14	78	1528325	99.306	ug/l	100
41) Methacrylonitrile	5.06	41	313925	106.154	ug/l	98
42) 1,2-Dichloroethane	6.20	62	523138	101.133	ug/l	99
43) Isopropyl Acetate	6.46	43	909073	106.655	ug/l	99
44) Trichloroethene	7.21	130	408904	96.584	ug/l	94
45) 1,2-Dichloropropane	7.52	63	390136	97.861	ug/l	98
46) Dibromomethane	7.66	93	268640	96.590	ug/l	89
47) Bromodichloromethane	7.90	83	510486	105.915	ug/l	99
48) Methyl methacrylate	7.77	41	462162	103.441	ug/l	97
49) 1,4-Dioxane	7.76	88	191894	1988.570	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	3007543	527.136	ug/l	100
52) Toluene	8.79	92	986741	101.676	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	601912	113.813	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	635587	108.667	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	399645	98.752	ug/l	98
56) Ethyl methacrylate	9.18	69	630616	109.576	ug/l	99
57) 1,3-Dichloropropane	9.37	76	655612	101.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1646568	518.831	ug/l	96
59) 2-Hexanone	9.50	43	2405275	536.977	ug/l	99
60) Dibromochloromethane	9.59	129	426217	109.452	ug/l	98
61) 1,2-Dibromoethane	9.67	107	428115	101.890	ug/l	99
64) Tetrachloroethene	9.34	164	394170	95.065	ug/l	97
65) Chlorobenzene	10.14	112	1065719	96.476	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	381500	99.007	ug/l	98
67) Ethyl Benzene	10.25	91	1872228	102.313	ug/l	99
68) m/p-Xylenes	10.36	106	1468839	206.329	ug/l	94
69) o-Xylene	10.70	106	720949	105.286	ug/l	95
70) Styrene	10.71	104	1215154	107.963	ug/l	97
71) Bromoform	10.86	173	320118	110.788	ug/l	99
73) Isopropylbenzene	11.02	105	1959561	97.067	ug/l	100
74) N-amyl acetate	10.90	43	926131	105.641	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	652485	93.448	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	797708	132.492	ug/l	78
77) Bromobenzene	11.26	156	476174	94.040	ug/l	84
78) n-propylbenzene	11.36	91	2293745	100.548	ug/l	97
79) 2-Chlorotoluene	11.42	91	1346346	98.016	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	1653022	99.546	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	226272	113.607	ug/l	93
82) 4-Chlorotoluene	11.51	91	1631049	101.505	ug/l	96
83) tert-Butylbenzene	11.77	119	1590891	99.782	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1703851	100.310	ug/l	97
85) sec-Butylbenzene	11.94	105	1998284	100.018	ug/l	97
86) p-Isopropyltoluene	12.07	119	1762331	100.722	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	894799	95.269	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	916731	95.303	ug/l	97
89) n-Butylbenzene	12.39	91	1649247	105.692	ug/l	98
90) Hexachloroethane	12.60	117	301449	102.251	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	882758	93.934	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	149557	98.305	ug/l	83

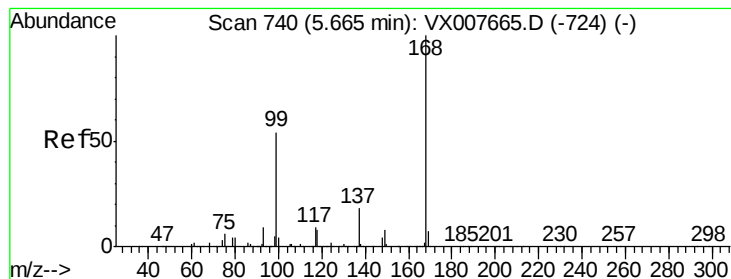
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	563017	98.147	ug/l	98
94) Hexachlorobutadiene	13.78	225	241081	91.867	ug/l	99
95) Naphthalene	13.83	128	1917124	103.153	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	554278	96.230	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

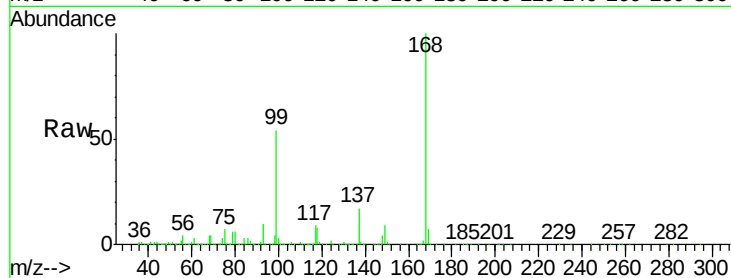
VSTDIC100

Tot Ion:168 Resp: 345935

Ion Ratio Lower Upper

168 100

99 53.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

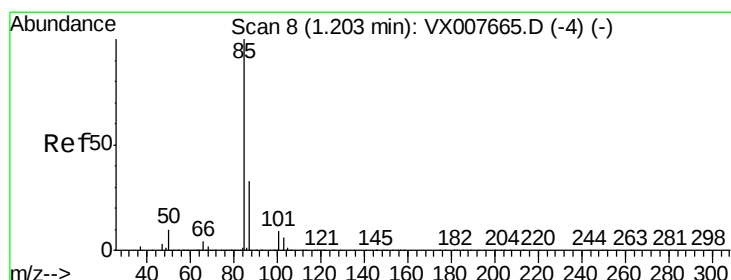
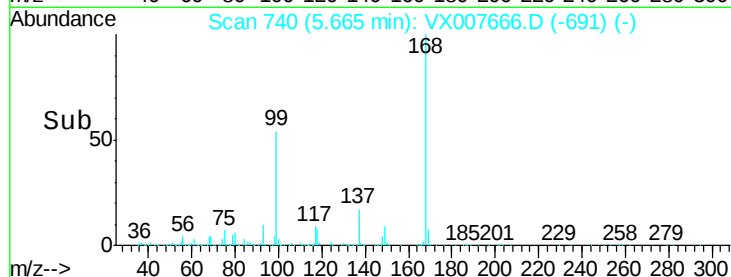
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 99.723 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX007666.D

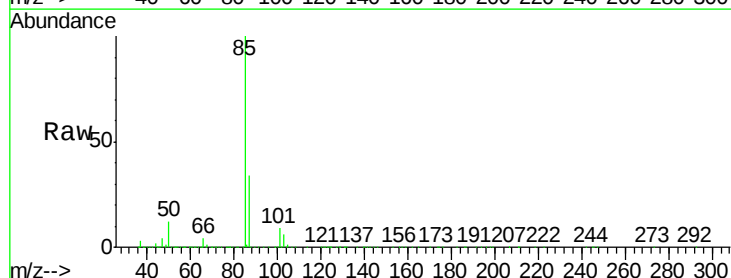
Acq: 25 Feb 2019 11:34

Tgt Ion: 85 Resp: 317792

Ion Ratio Lower Upper

85 100

87 33.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

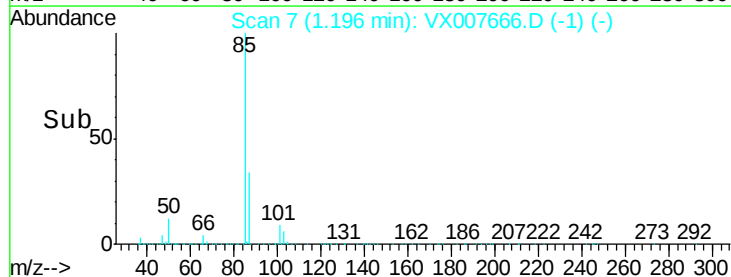
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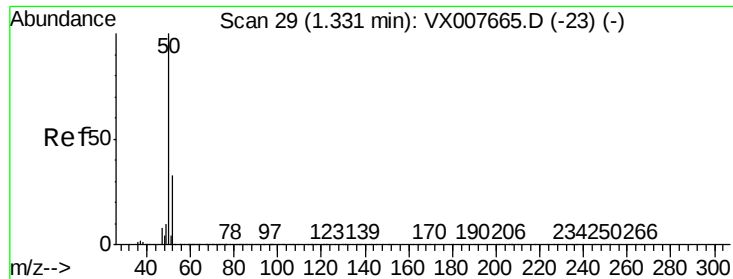
200000

100000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 91.665 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

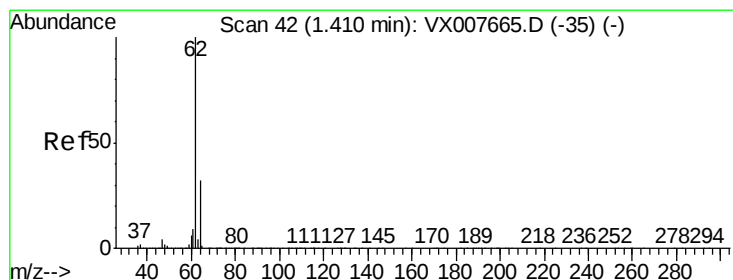
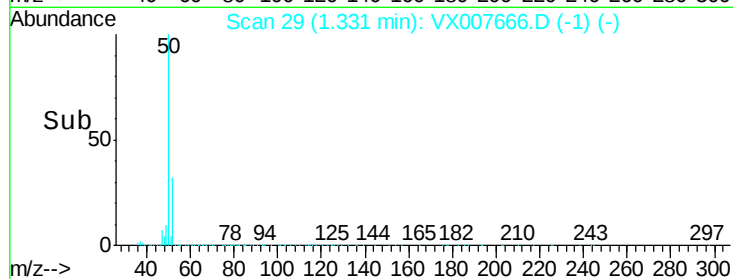
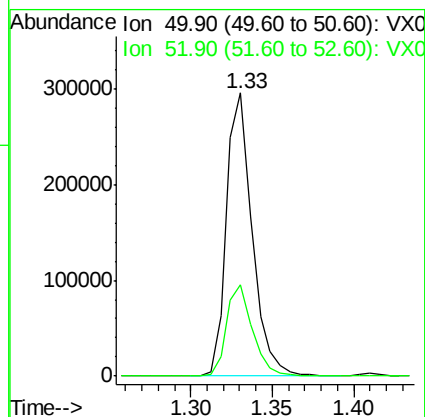
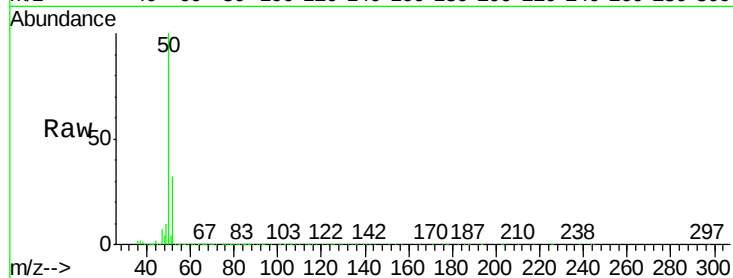
VSTDIC100

Tot Ion: 50 Resp: 323702

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#4

Vinyl Chloride

Concen: 98.291 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007666.D

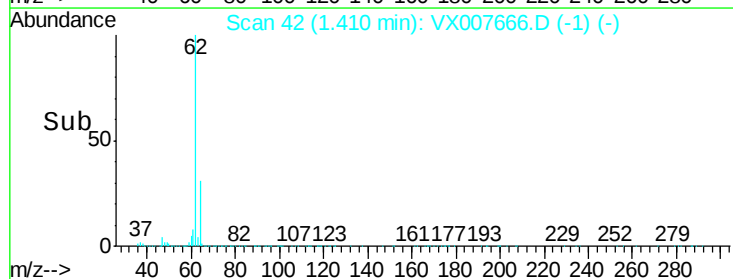
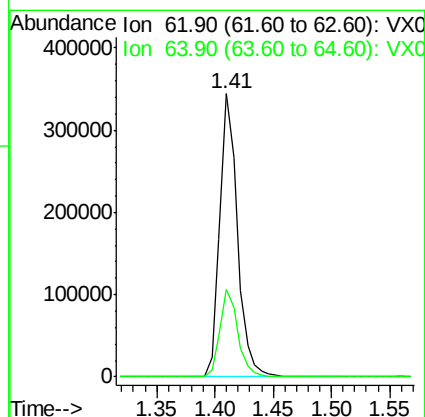
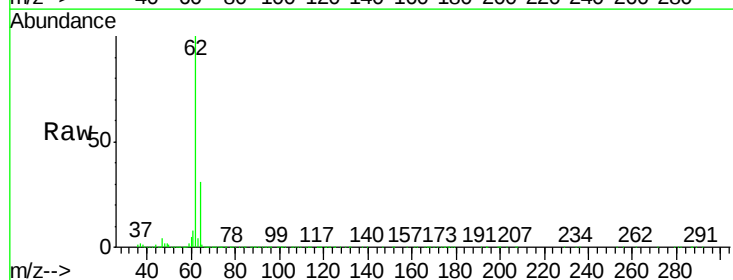
Acq: 25 Feb 2019 11:34

Tgt Ion: 62 Resp: 356110

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.0





#5

Bromomethane

Concen: 87.184 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

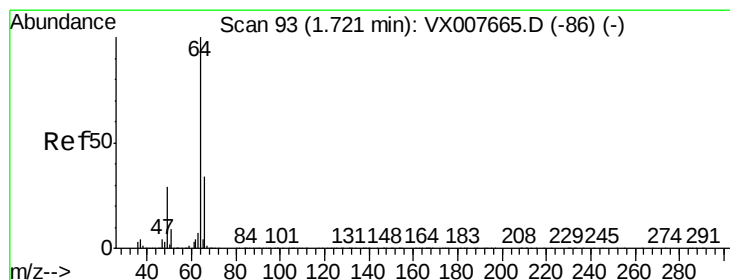
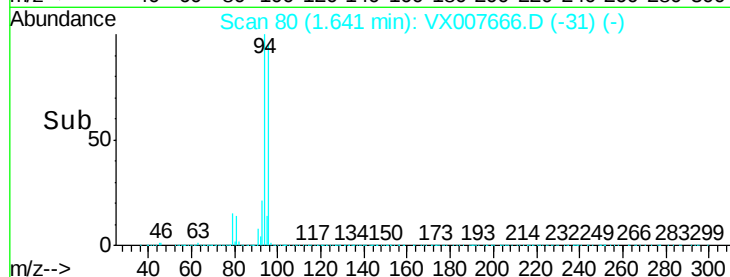
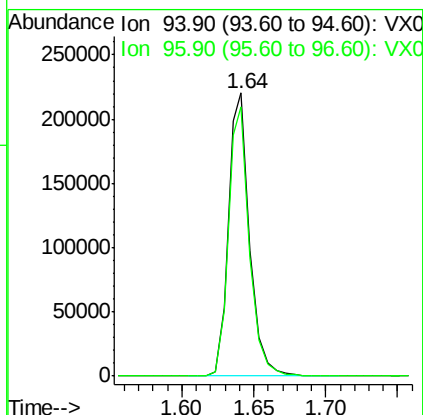
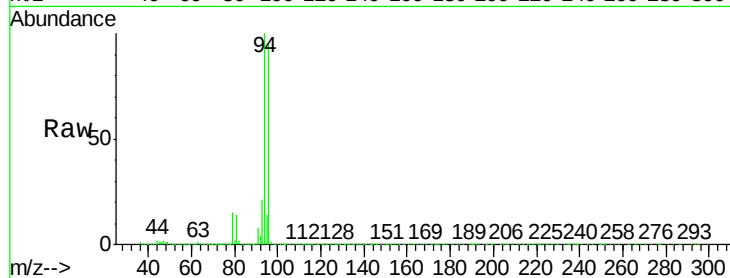
VSTDIC100

Tot Ion: 94 Resp: 227714

Ion Ratio Lower Upper

94 100

96 95.0 73.9 110.9



#6

Chloroethane

Concen: 100.299 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007666.D

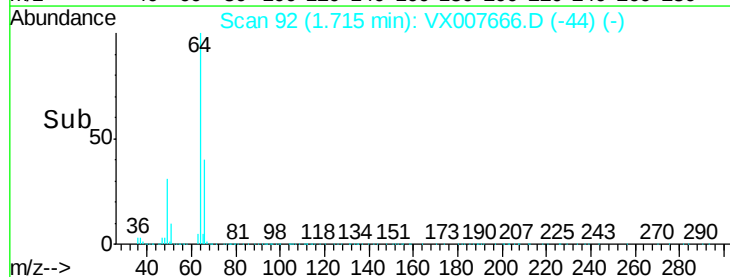
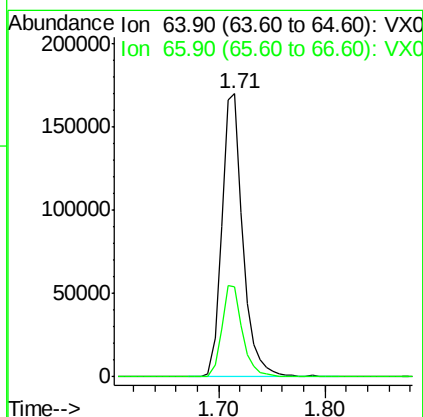
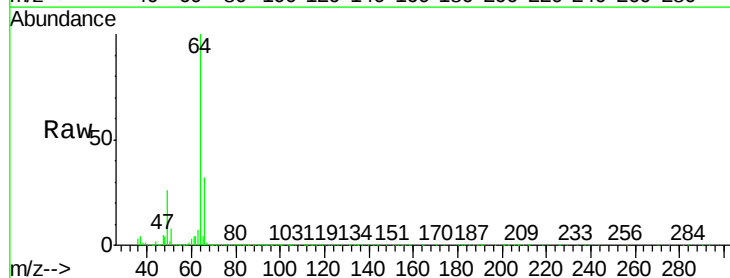
Acq: 25 Feb 2019 11:34

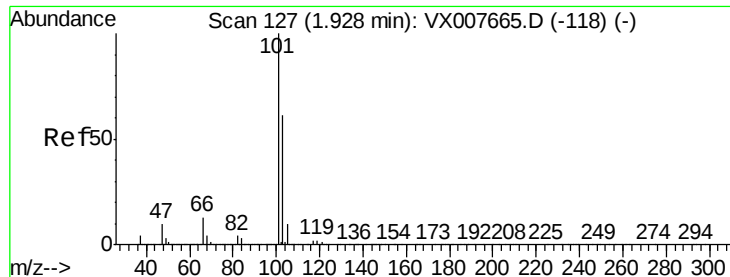
Tgt Ion: 64 Resp: 232162

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



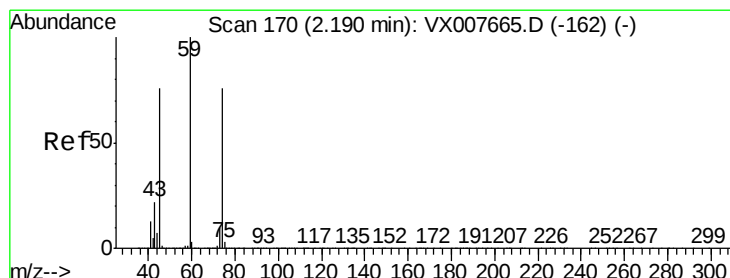
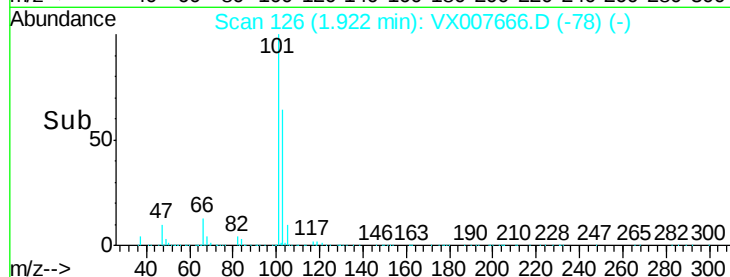
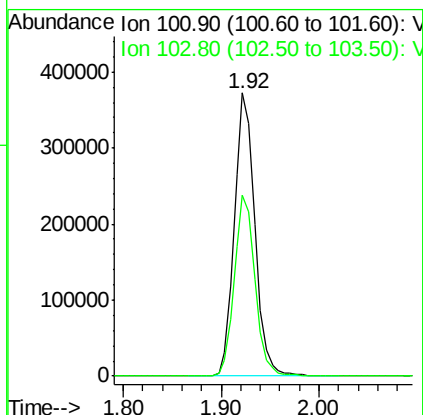
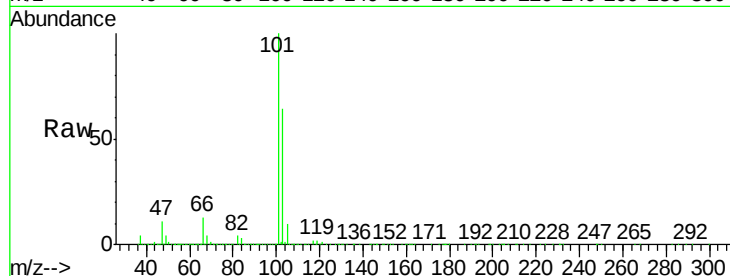


#7

Trichlorofluoromethane
Concen: 97.752 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Instrument :
MSVOA_X
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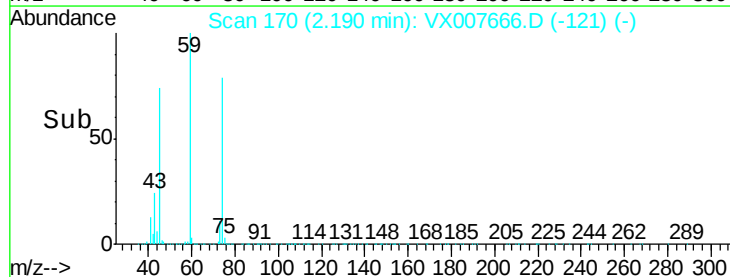
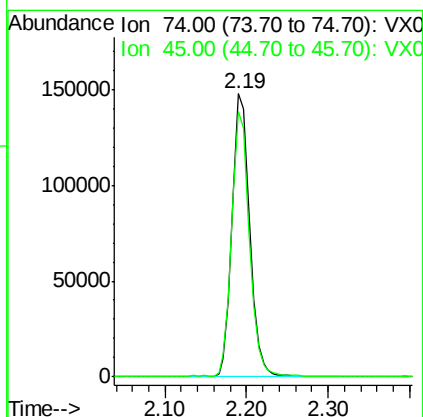
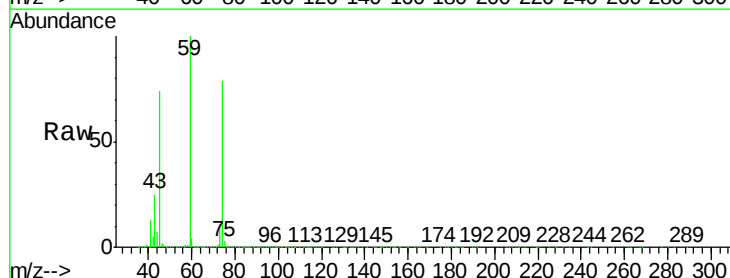
Tot Ion:101 Resp: 542927
Ion Ratio Lower Upper
101 100
103 63.9 52.6 79.0

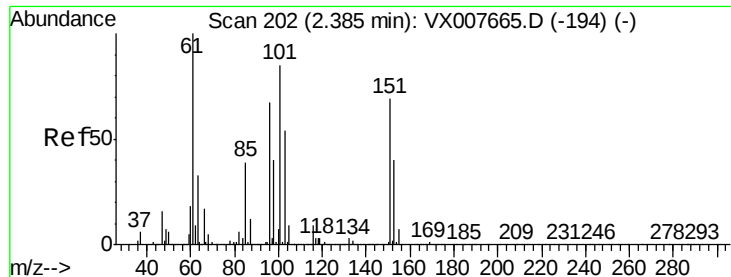


#8

Diethyl Ether
Concen: 96.002 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion: 74 Resp: 218831
Ion Ratio Lower Upper
74 100
45 94.3 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.177 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

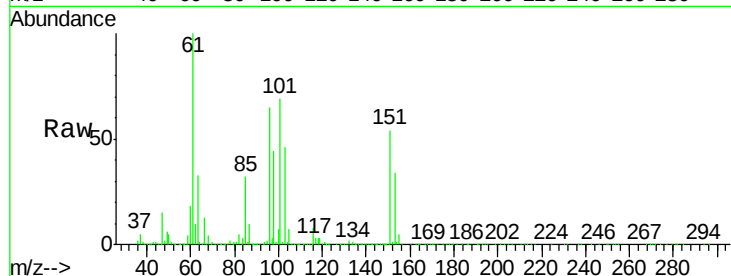
Tot Ion:101 Resp: 316148

Ion Ratio Lower Upper

101 100

85 45.8 34.1 51.1

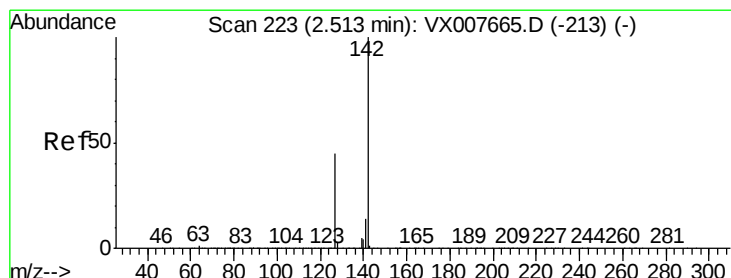
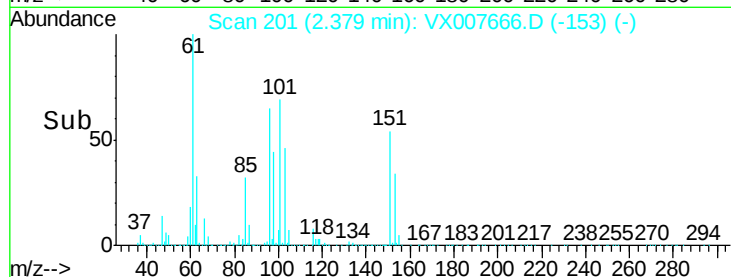
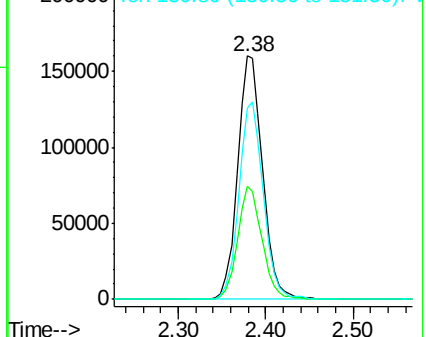
151 79.7 69.9 104.9



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: 105.599 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

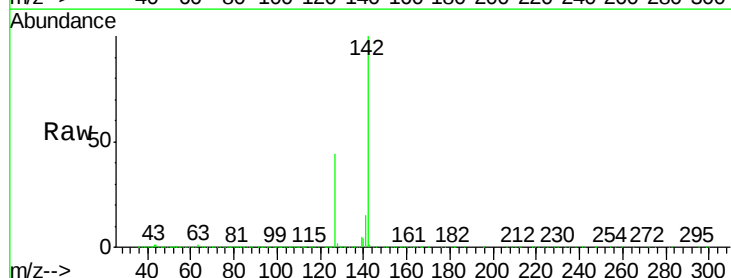
Tgt Ion:142 Resp: 441409

Ion Ratio Lower Upper

142 100

127 44.3 33.7 50.5

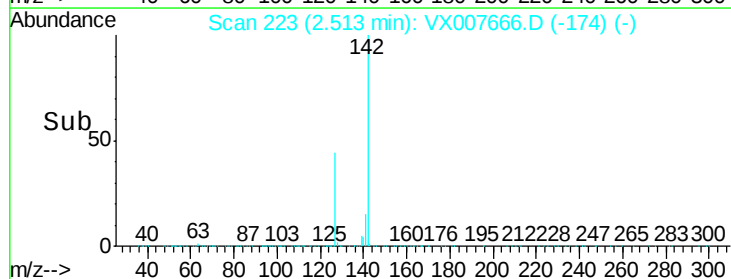
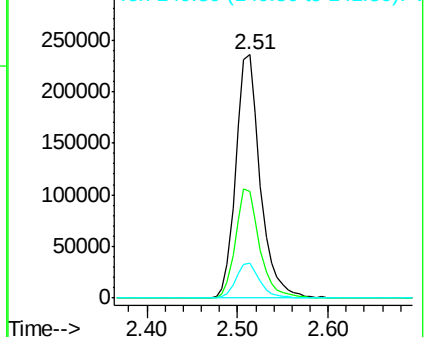
141 14.4 11.3 16.9

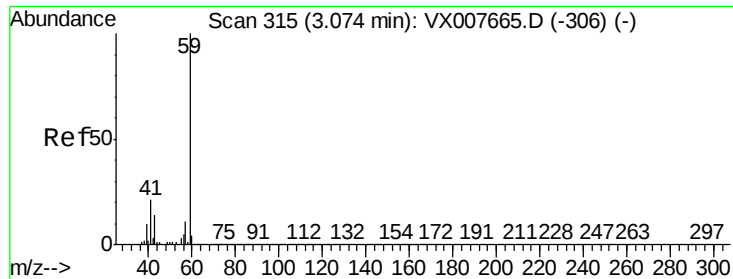


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



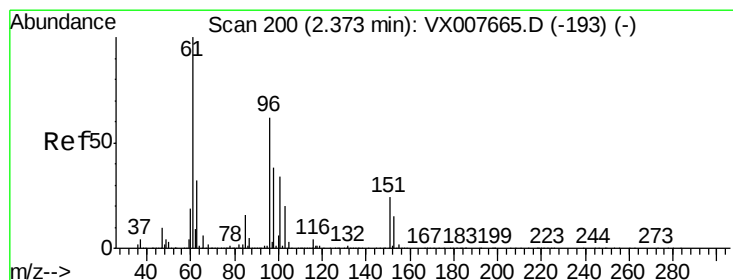
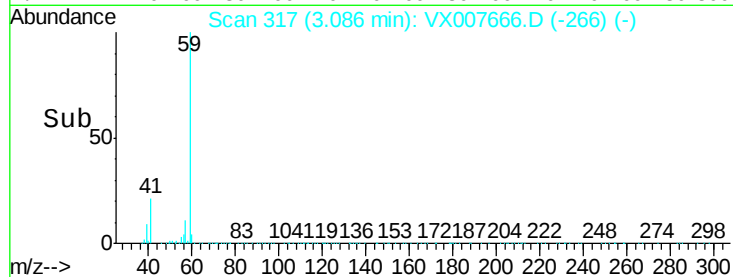
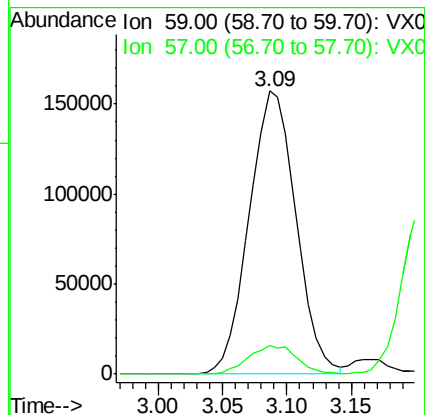
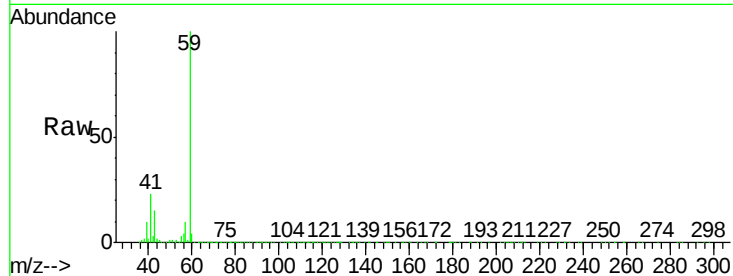


#11

Tert butyl alcohol
 Concen: 485.616 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

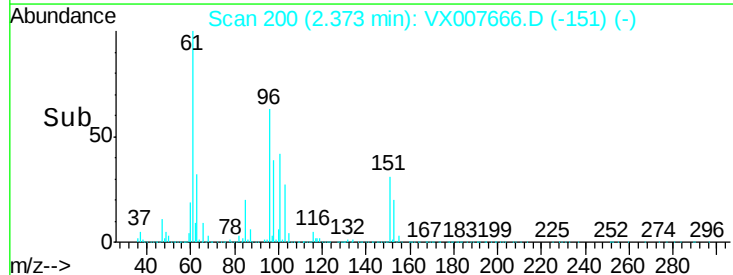
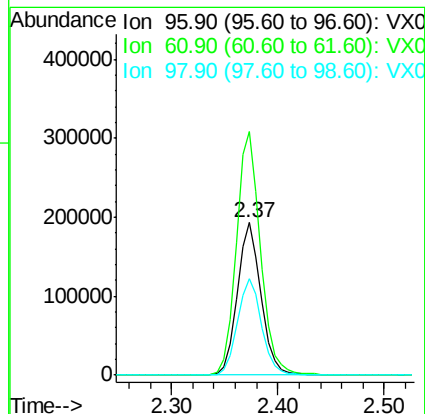
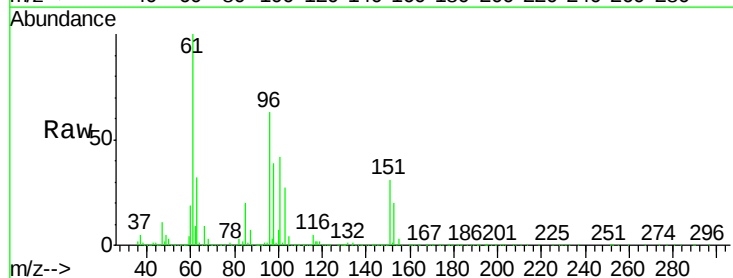
Tot Ion: 59 Resp: 394816
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.1 12.1

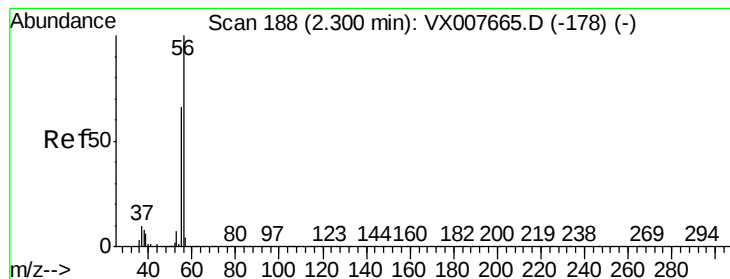


#12

1,1-Dichloroethene
 Concen: 99.680 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Tgt Ion: 96 Resp: 301629
 Ion Ratio Lower Upper
 96 100
 61 159.9 123.0 184.4
 98 62.9 50.9 76.3





#13

Acrolein

Concen: 490.620 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

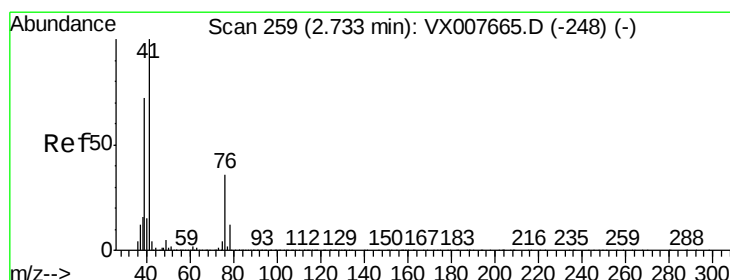
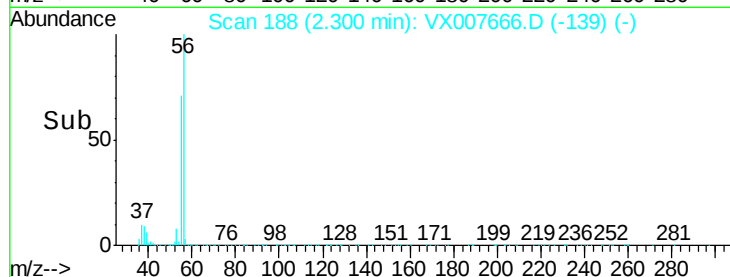
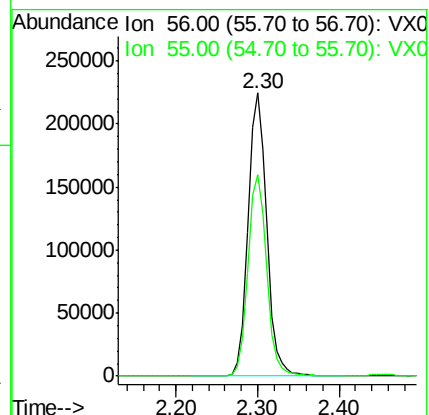
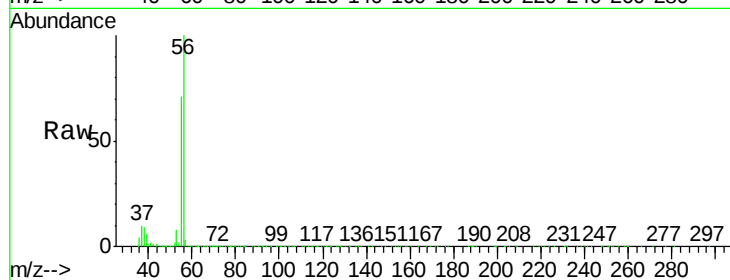
VSTDIC100

Tot Ion: 56 Resp: 354454

Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3



#14

Allyl chloride

Concen: 99.921 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

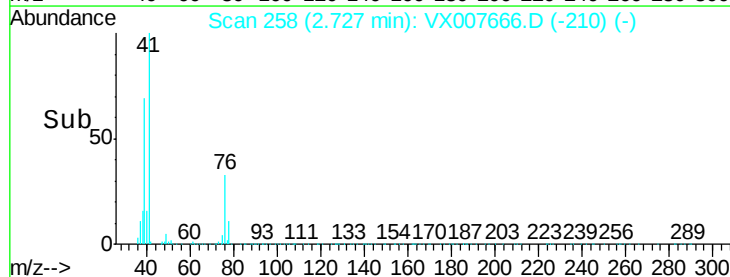
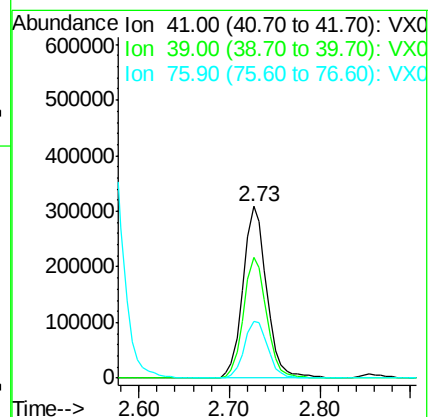
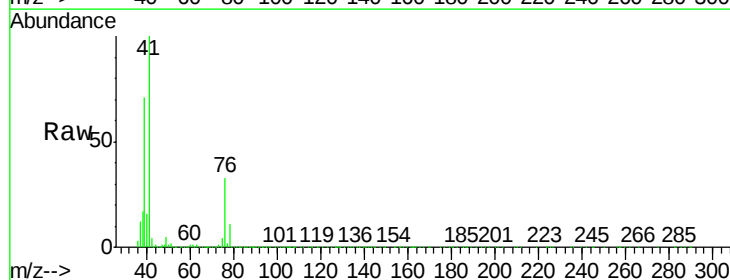
Tgt Ion: 41 Resp: 559071

Ion Ratio Lower Upper

41 100

39 68.7 54.1 81.1

76 33.1 27.8 41.8





#15

Acrylonitrile

Concen: 491.719 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

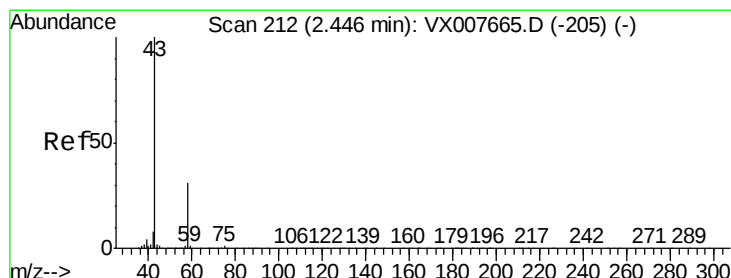
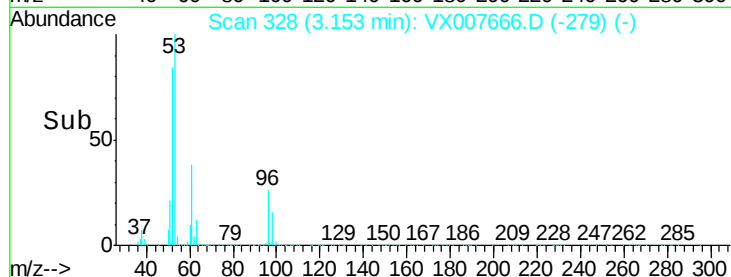
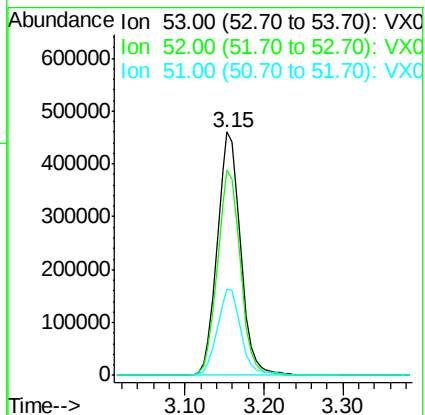
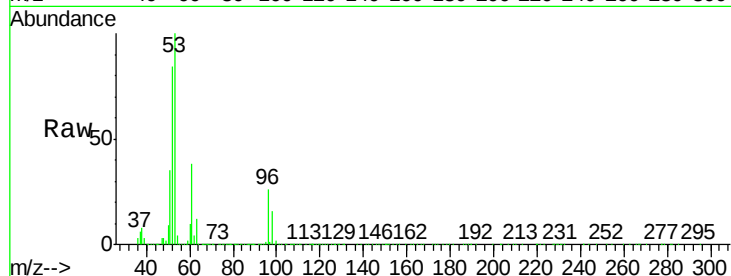
Tot Ion: 53 Resp: 940800

Ion Ratio Lower Upper

53 100

52 83.8 66.4 99.6

51 36.2 28.4 42.6



#16

Acetone

Concen: 466.355 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007666.D

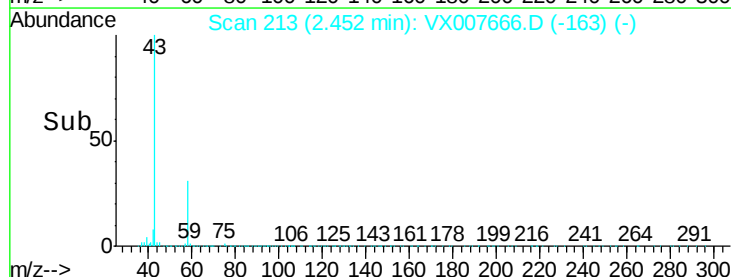
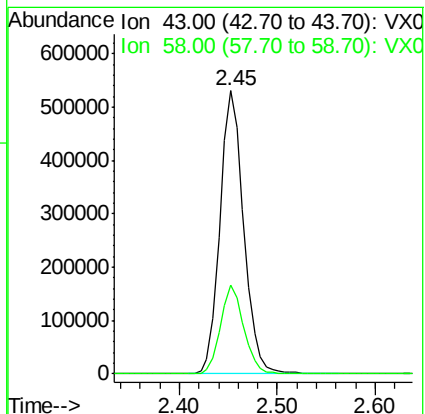
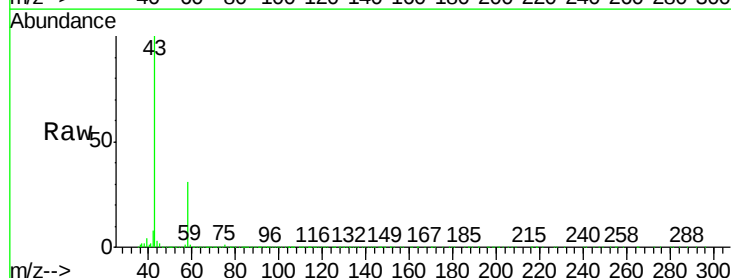
Acq: 25 Feb 2019 11:34

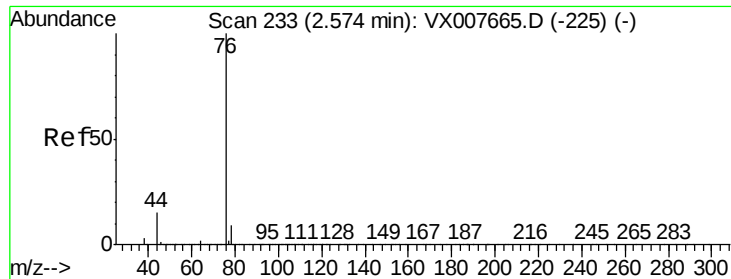
Tgt Ion: 43 Resp: 888666

Ion Ratio Lower Upper

43 100

58 31.5 24.9 37.3





#17

Carbon Disulfide

Concen: 102.491 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

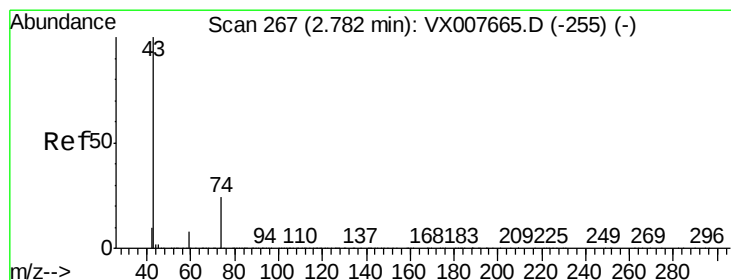
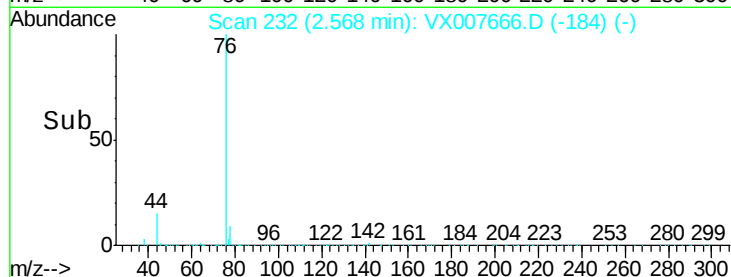
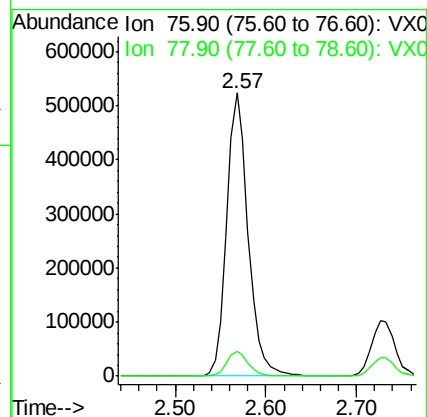
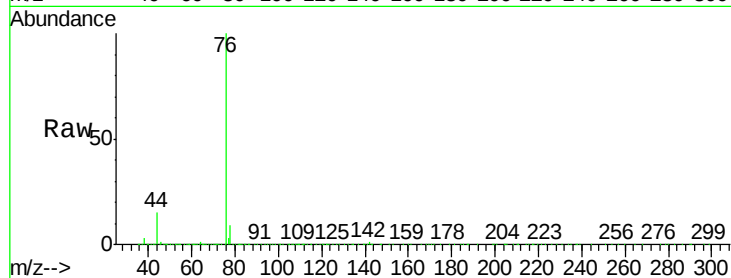
VSTDIC100

Tot Ion: 76 Resp: 862820

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#18

Methyl Acetate

Concen: 97.527 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007666.D

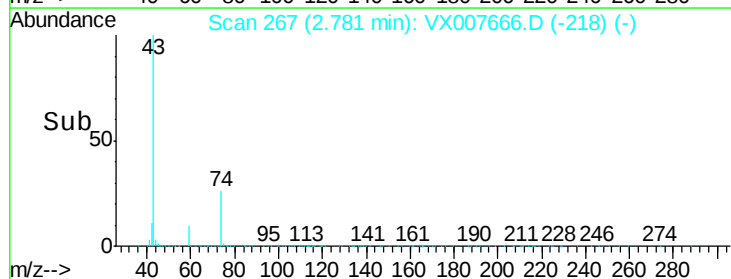
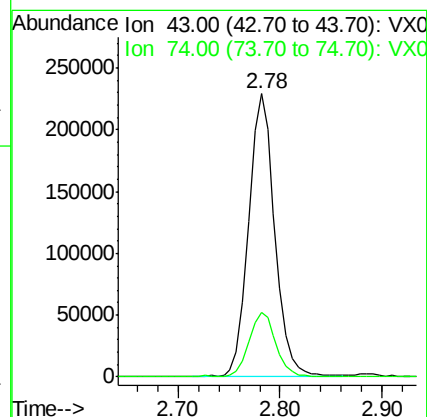
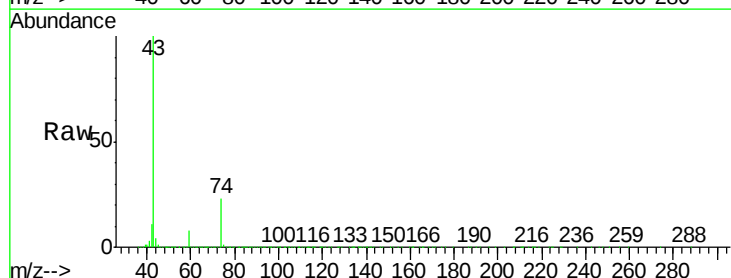
Acq: 25 Feb 2019 11:34

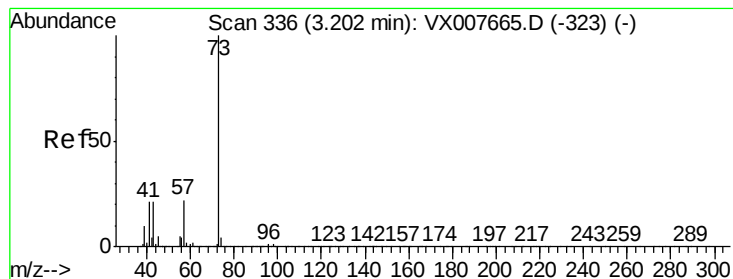
Tgt Ion: 43 Resp: 405529

Ion Ratio Lower Upper

43 100

74 23.0 19.4 29.2



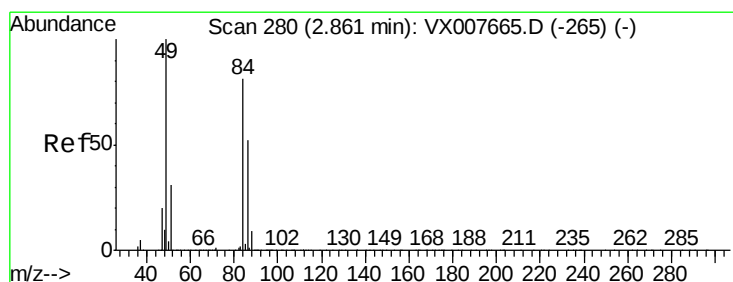
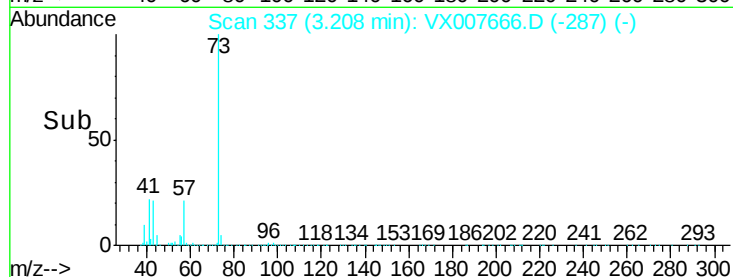
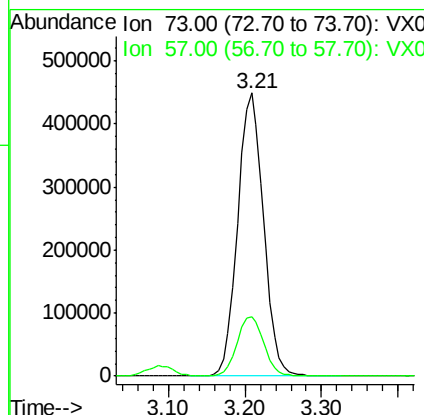
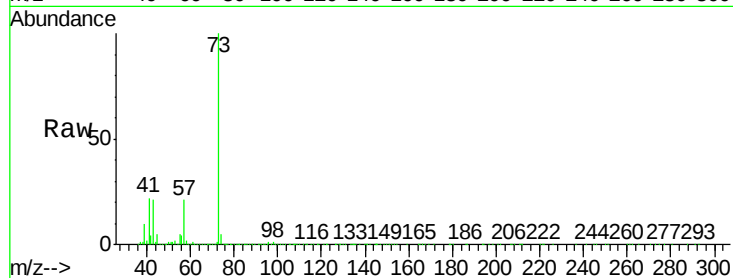


#19

Methyl tert-butyl Ether
 Concen: 99.419 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

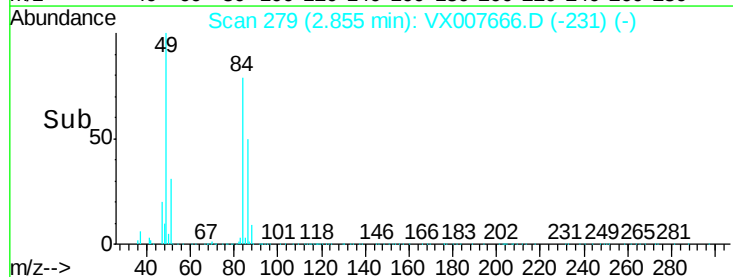
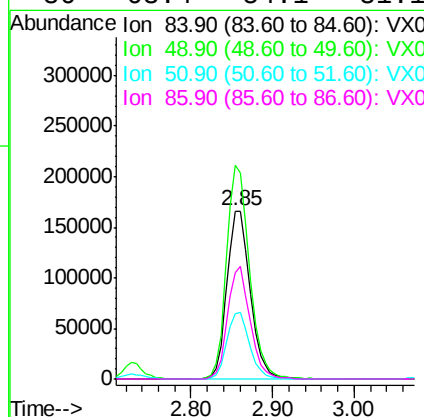
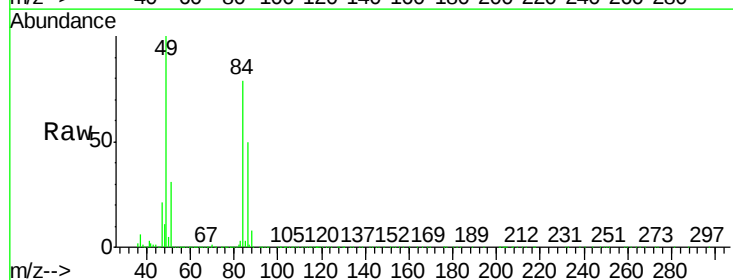
Tot Ion: 73 Resp: 1047621
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.8 26.8



#20

Methylene Chloride
 Concen: 92.758 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Tgt Ion: 84 Resp: 326382
 Ion Ratio Lower Upper
 84 100
 49 127.0 94.8 142.2
 51 38.8 29.8 44.8
 86 63.4 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 97.612 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

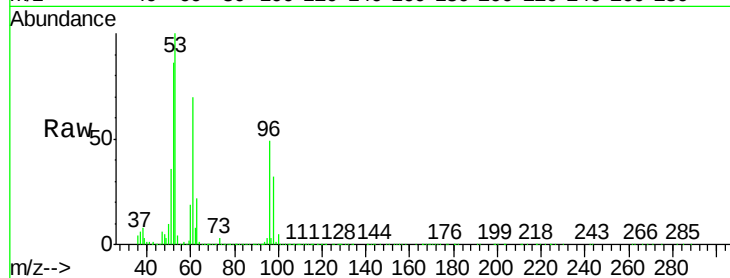
Tot Ion: 96 Resp: 321106

Ion Ratio Lower Upper

96 100

61 142.3 104.6 156.8

98 64.8 51.0 76.4

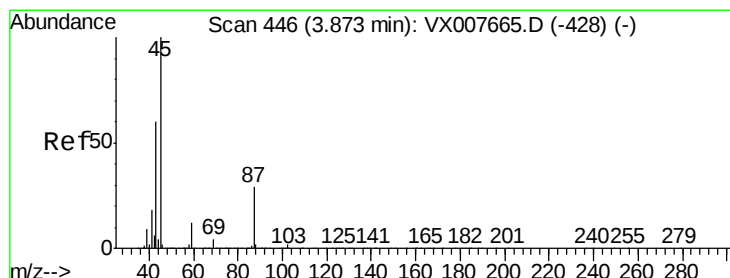
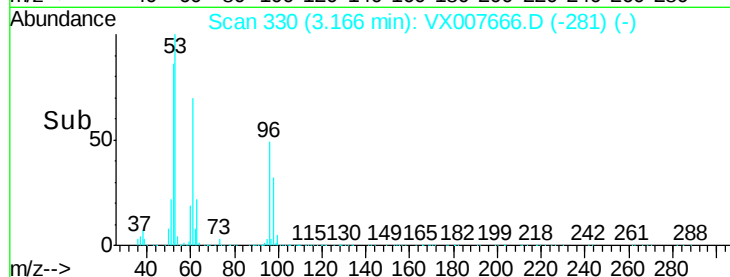
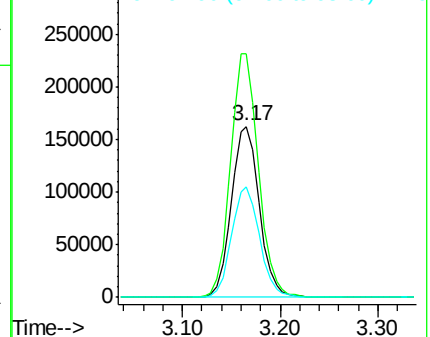


Abundance

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



#22

Diisopropyl ether

Concen: 103.574 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Tgt Ion: 45 Resp: 1206359

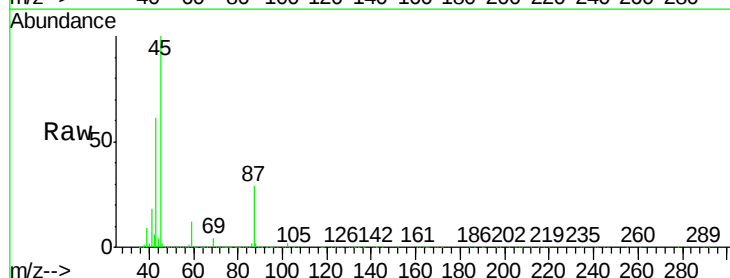
Ion Ratio Lower Upper

45 100

43 60.5 48.9 73.3

87 28.7 23.9 35.9

59 11.5 9.6 14.4



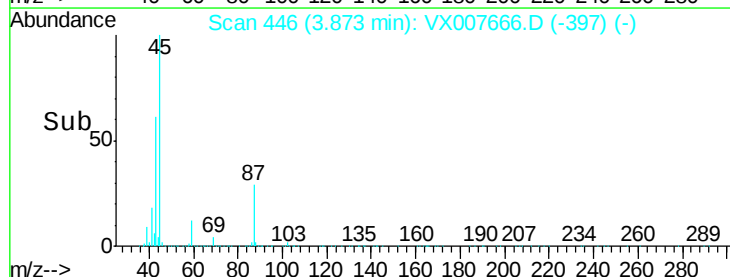
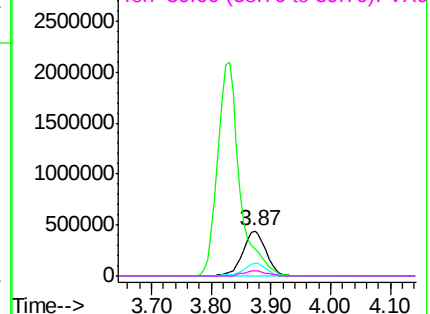
Abundance

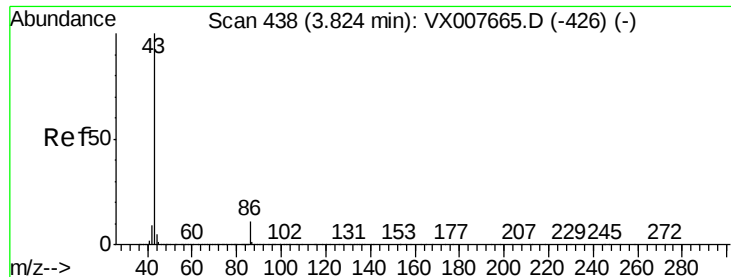
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 524.467 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

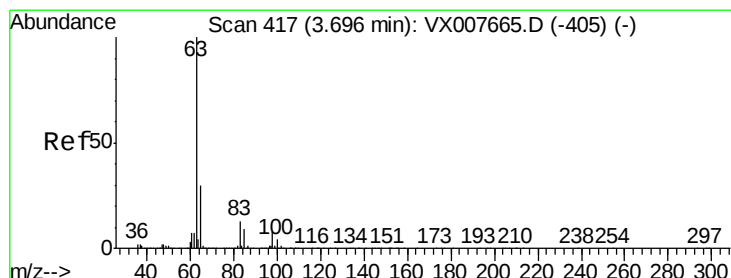
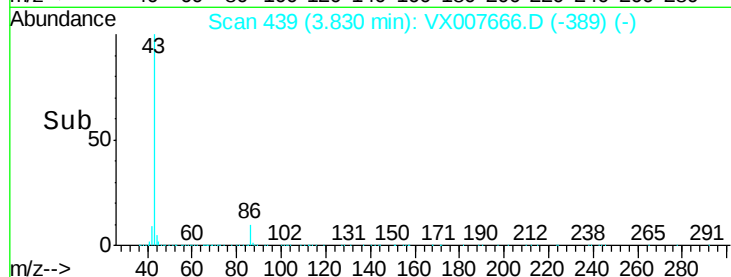
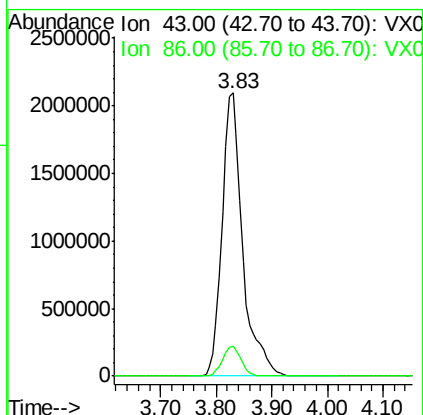
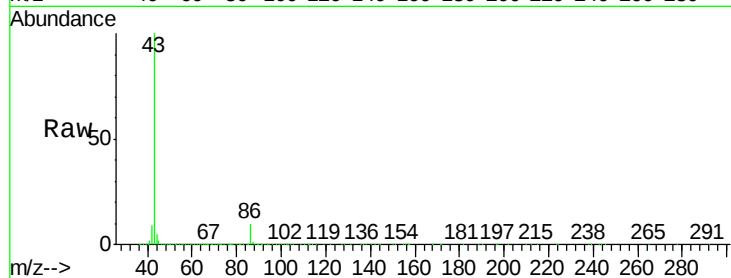
VSTDIC100

Tot Ion: 43 Resp: 5359446

Ion Ratio Lower Upper

43 100

86 10.4 8.7 13.1



#24

1,1-Dichloroethane

Concen: 98.122 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

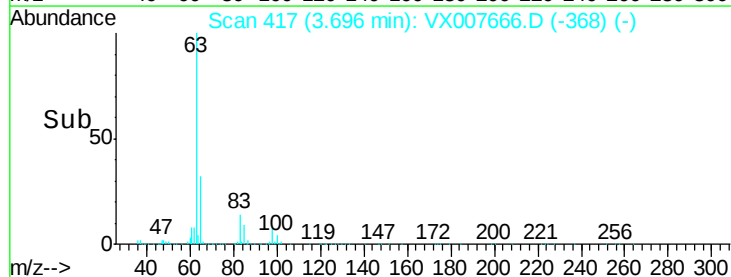
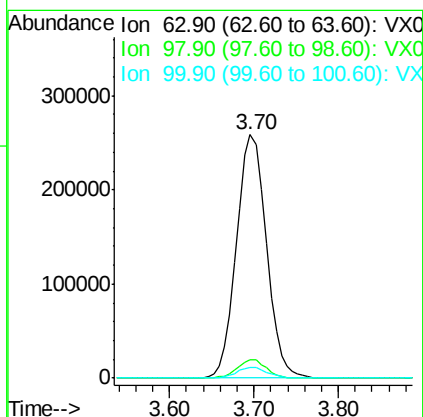
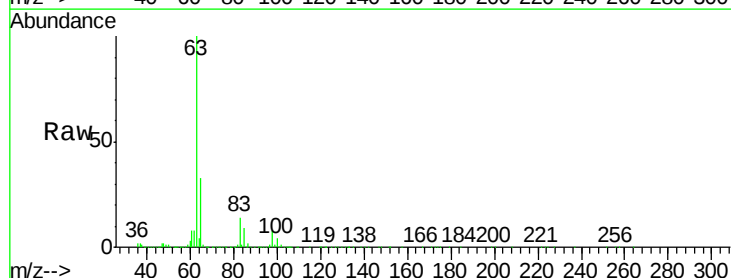
Tgt Ion: 63 Resp: 621118

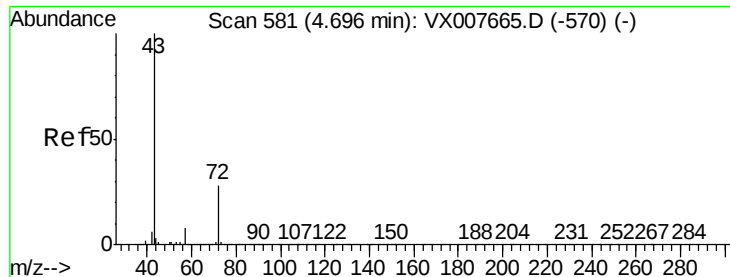
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 504.023 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

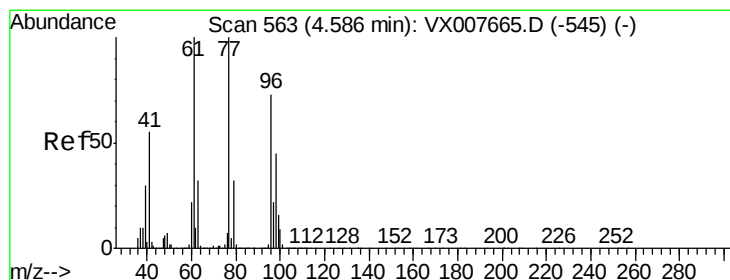
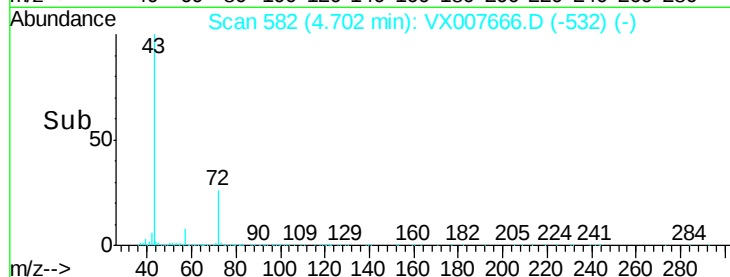
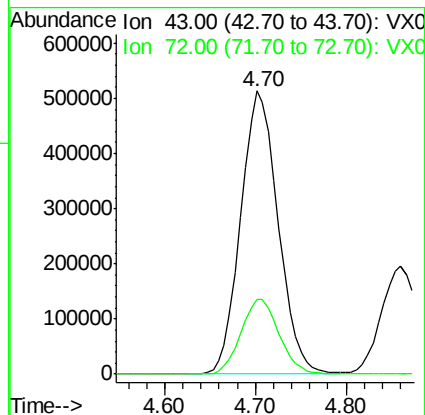
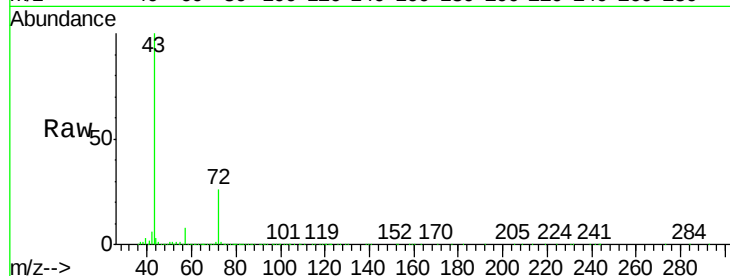
VSTDICC100

Tot Ion: 43 Resp: 1463008

Ion Ratio Lower Upper

43 100

72 26.1 22.2 33.2



#26

2,2-Dichloropropane

Concen: 100.345 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007666.D

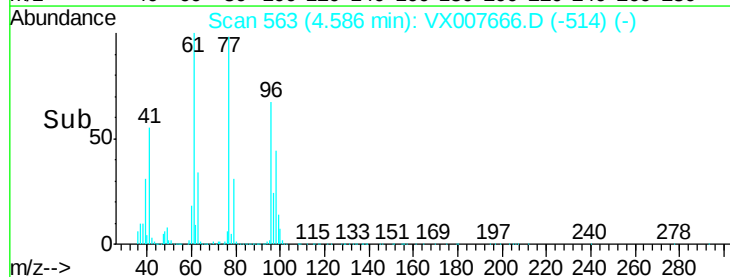
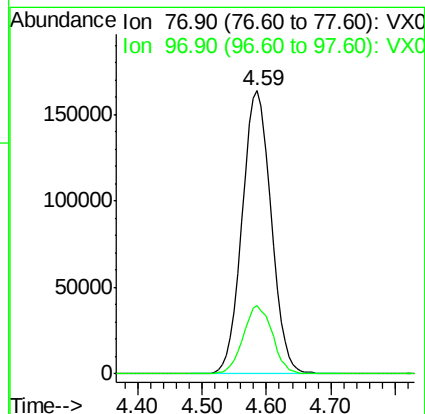
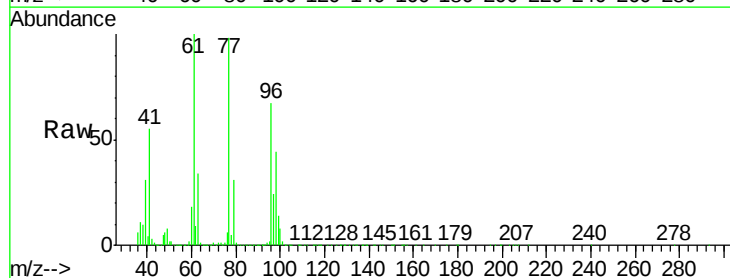
Acq: 25 Feb 2019 11:34

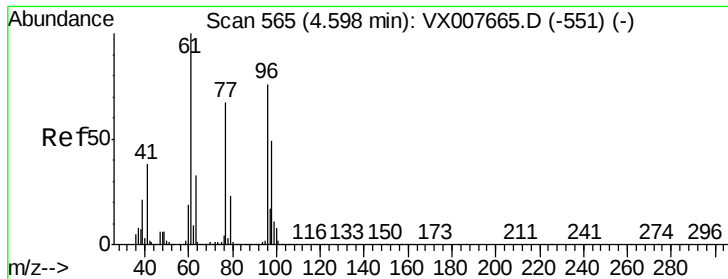
Tgt Ion: 77 Resp: 507035

Ion Ratio Lower Upper

77 100

97 24.5 12.1 36.3



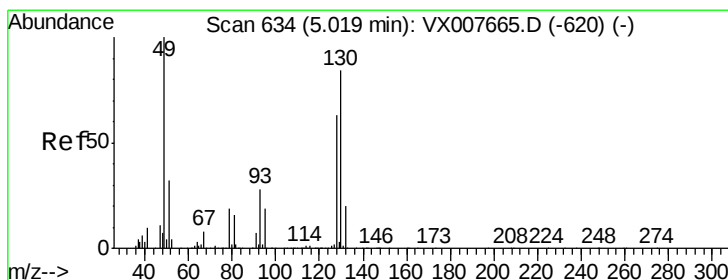
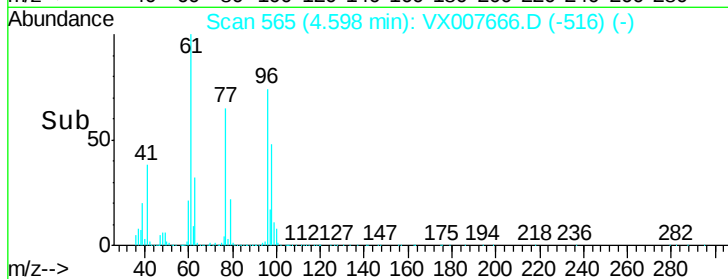
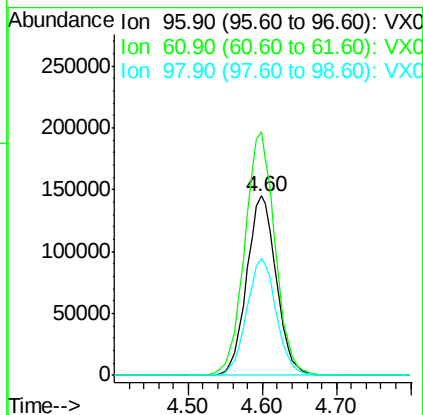
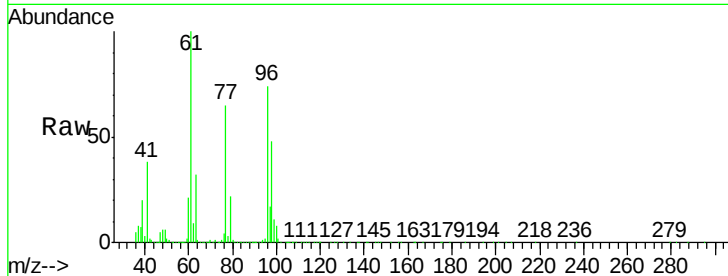


#27

cis-1,2-Dichloroethene
 Concen: 96.228 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

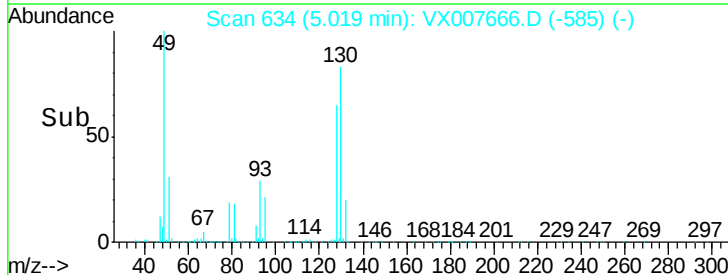
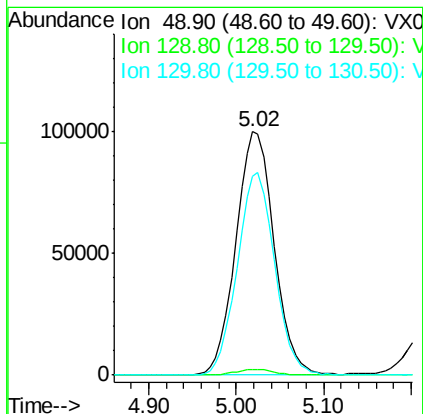
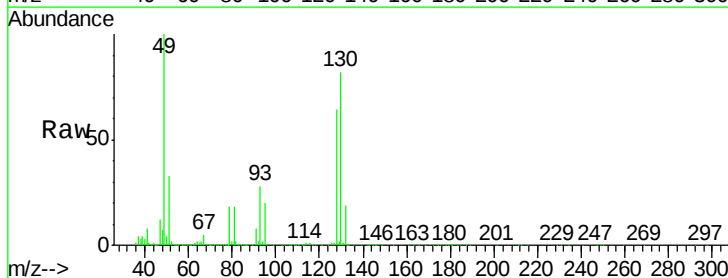
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	265.6
98	65.1	0.0	131.6

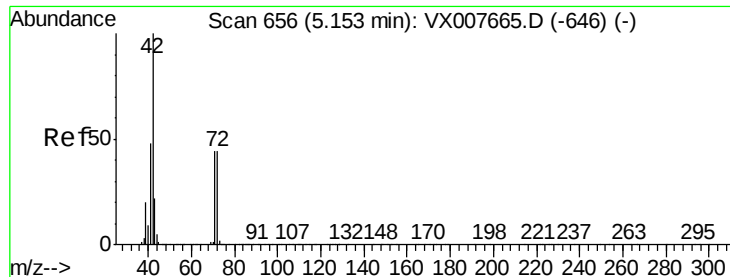


#28

Bromochloromethane
 Concen: 98.577 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.6
130	81.5	75.6	113.4





#29

Tetrahydrofuran

Concen: 510.035 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

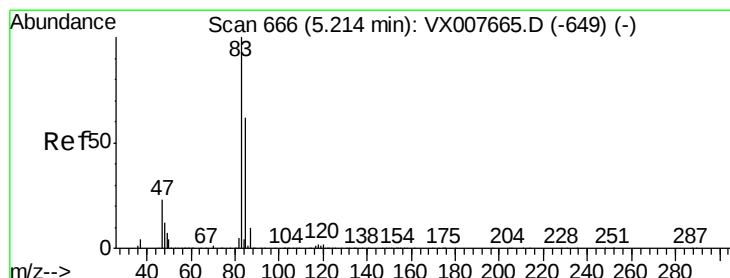
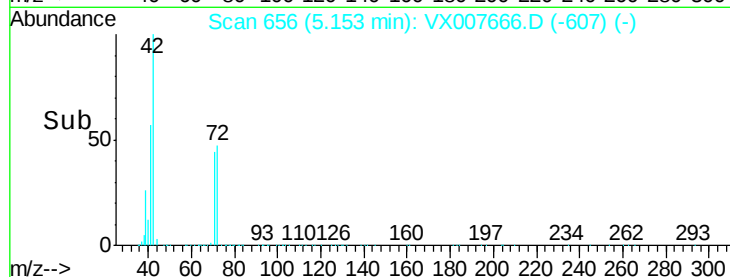
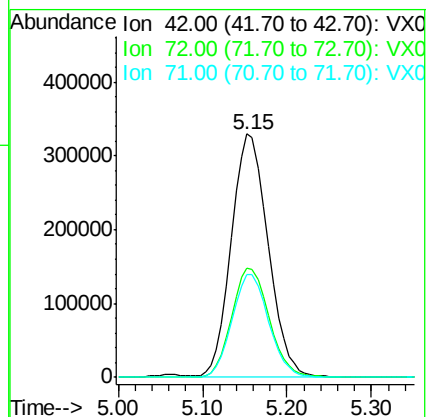
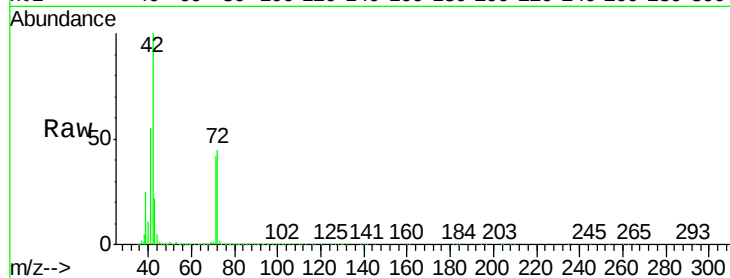
Tot Ion: 42 Resp: 975880

Ion Ratio Lower Upper

42 100

72 45.6 37.6 56.4

71 42.3 34.6 51.8



#30

Chloroform

Concen: 98.025 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX007666.D

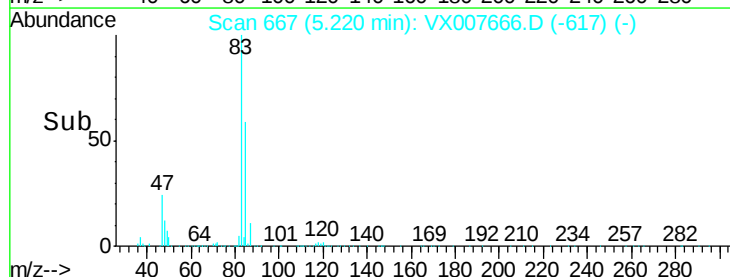
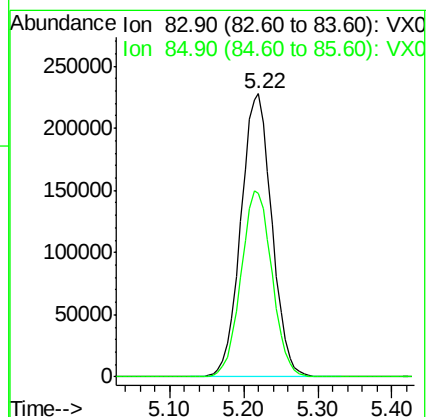
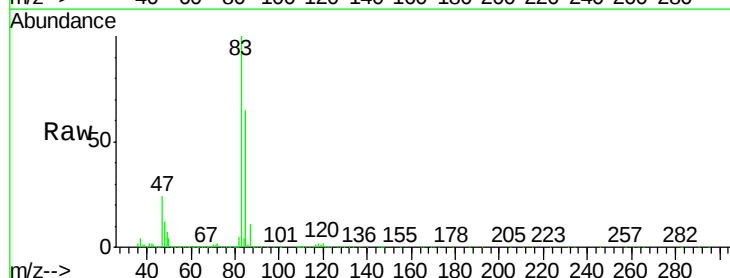
Acq: 25 Feb 2019 11:34

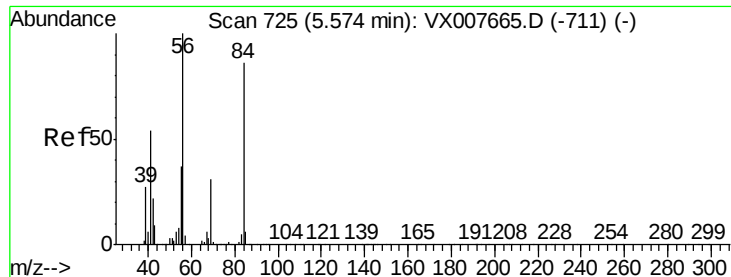
Tgt Ion: 83 Resp: 664664

Ion Ratio Lower Upper

83 100

85 64.7 51.6 77.4

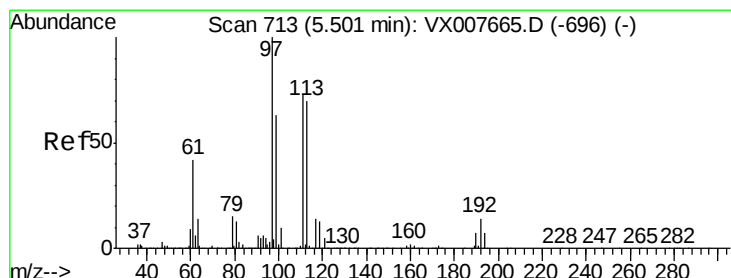
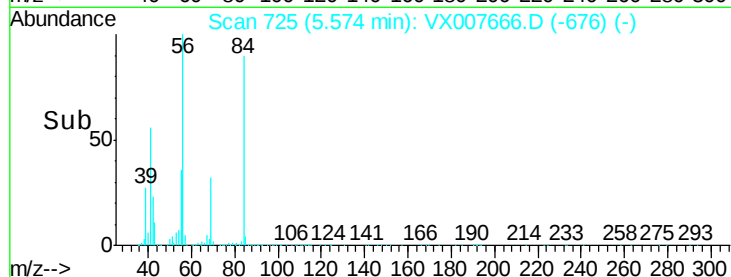
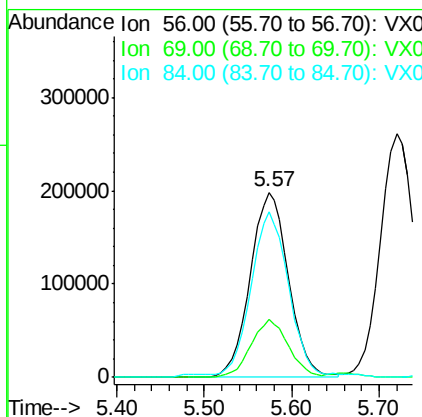
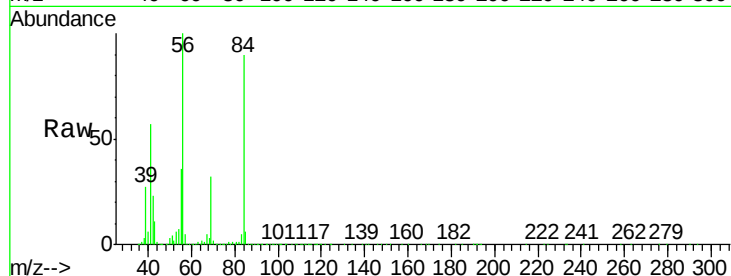




#31
Cyclohexane
Concen: 101.123 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

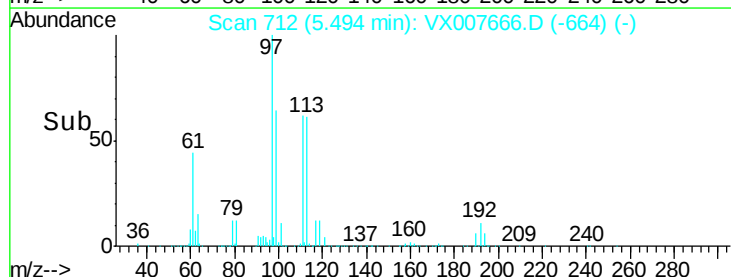
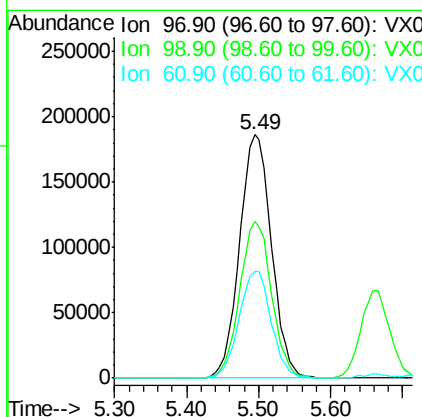
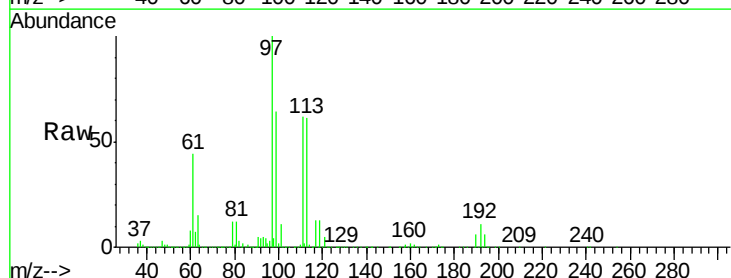
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

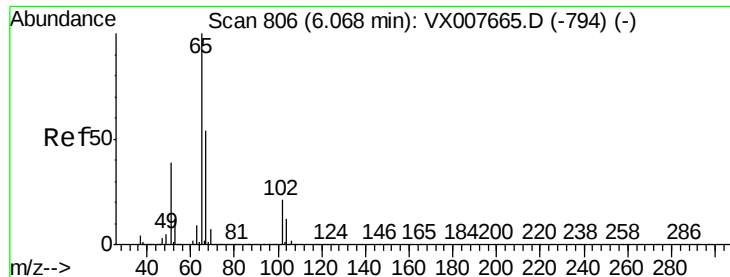
Tot Ion: 56 Resp: 602119
Ion Ratio Lower Upper
56 100
69 31.5 23.0 34.6
84 88.4 69.8 104.6



#32
1,1,1-Trichloroethane
Concen: 102.000 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion: 97 Resp: 571983
Ion Ratio Lower Upper
97 100
99 64.3 52.2 78.2
61 44.1 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 98.641 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

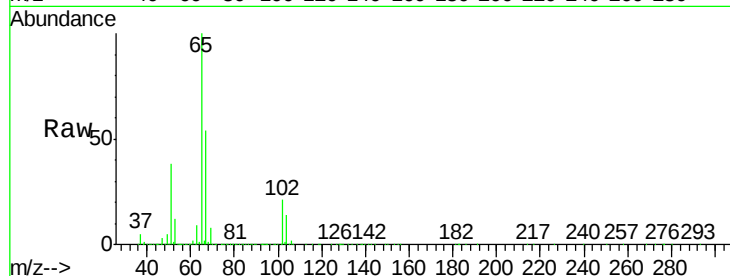
VSTDIC100

Tot Ion: 65 Resp: 422680

Ion Ratio Lower Upper

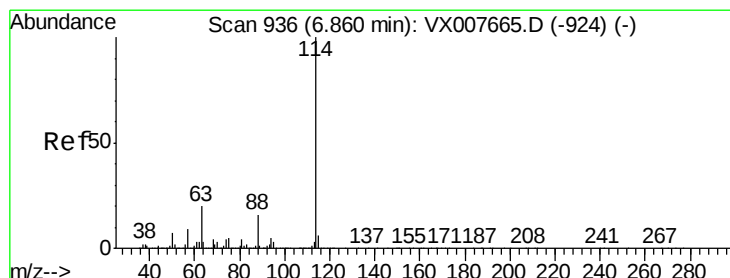
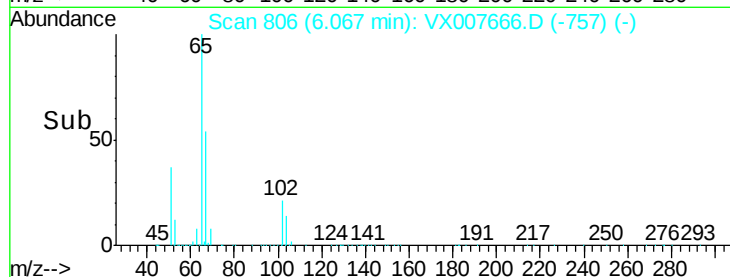
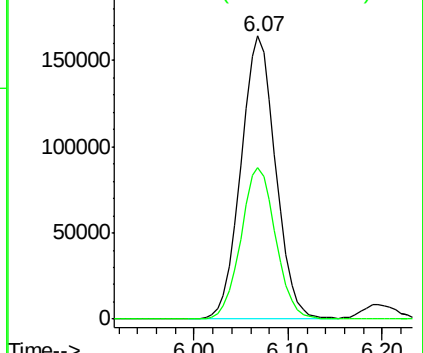
65 100

67 53.9 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

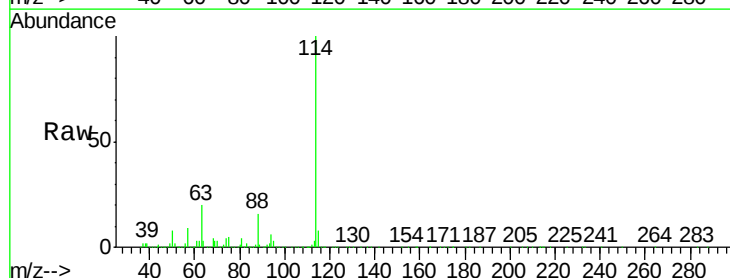
Tgt Ion: 114 Resp: 554544

Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.6

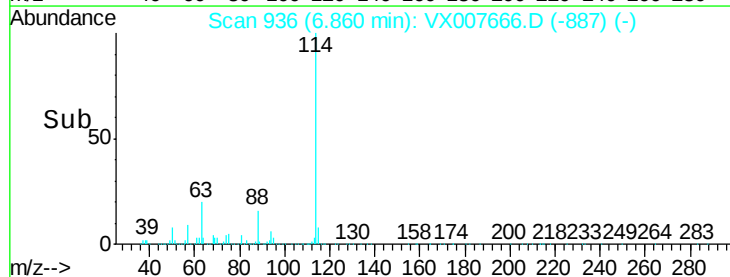
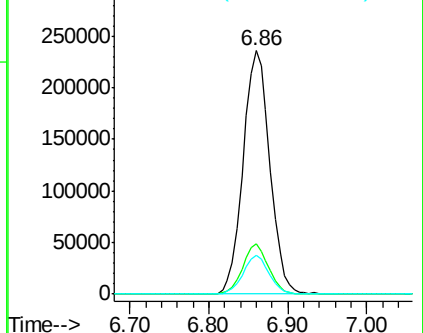
88 15.7 0.0 29.6

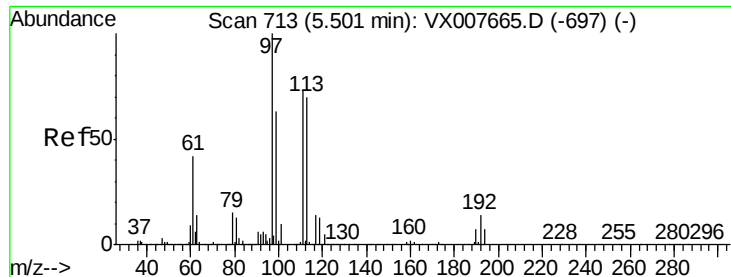


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 97.980 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

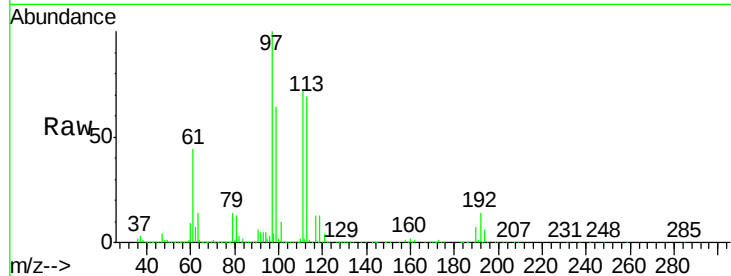
Tot Ion:113 Resp: 363206

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

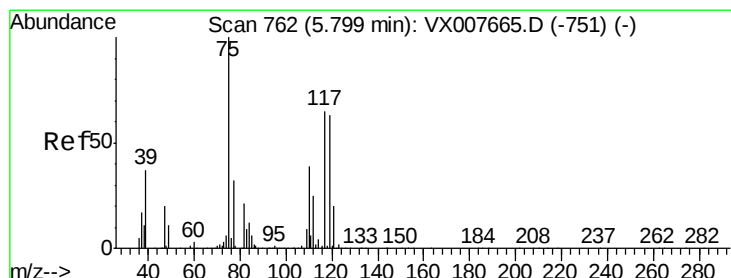
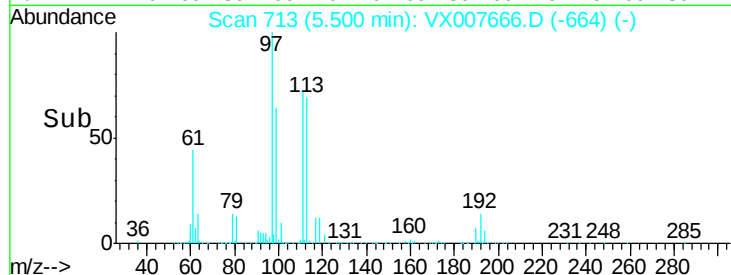
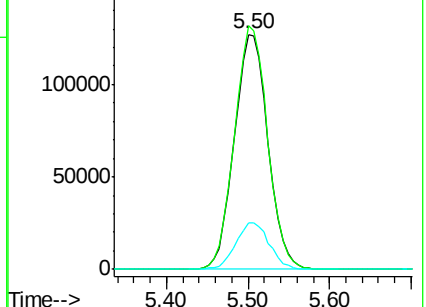
192 19.8 18.5 27.7



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: 101.083 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

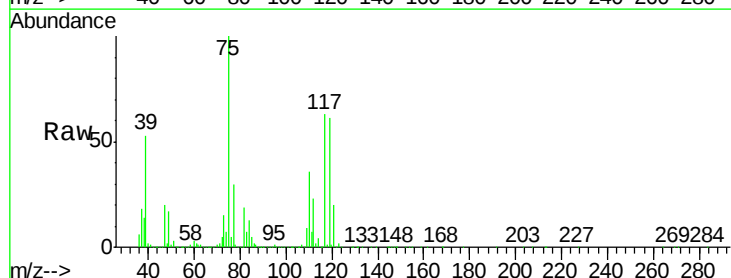
Tgt Ion: 75 Resp: 503954

Ion Ratio Lower Upper

75 100

110 37.2 20.0 59.9

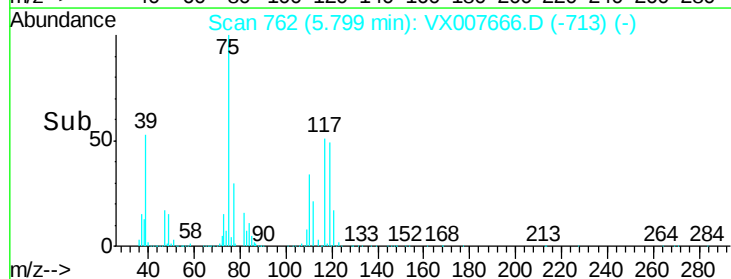
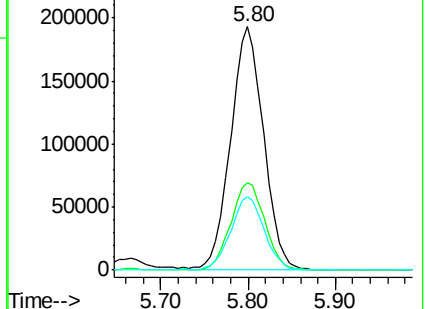
77 30.5 24.7 37.1

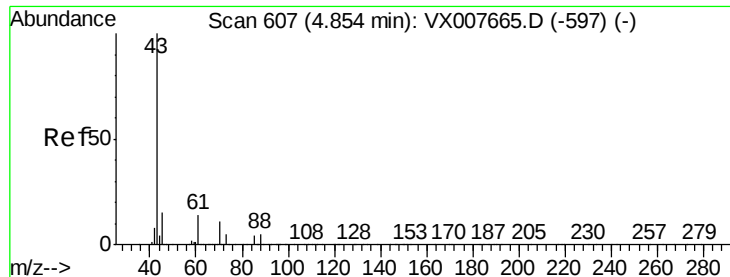


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

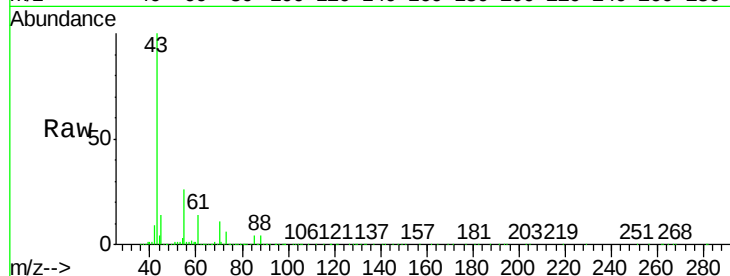




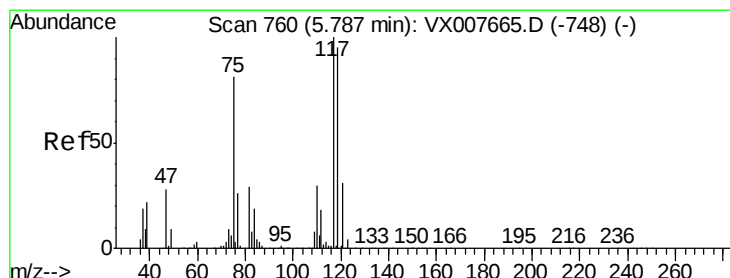
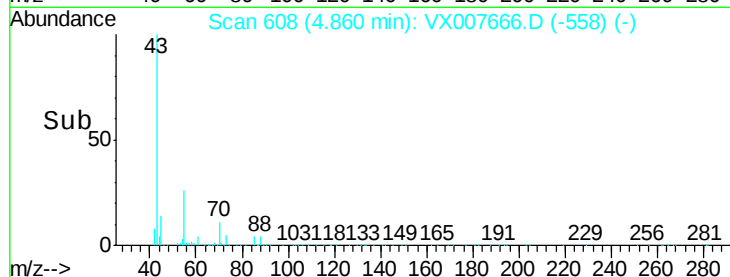
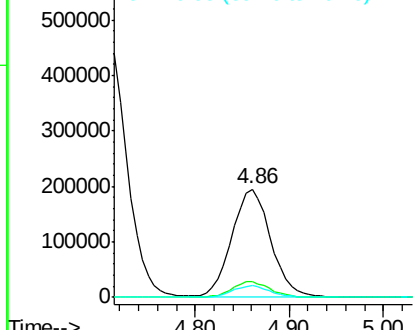
#37
Ethyl Acetate
Concen: 101.166 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 560272
Ion Ratio Lower Upper
43 100
61 14.1 11.3 16.9
70 10.3 8.6 13.0

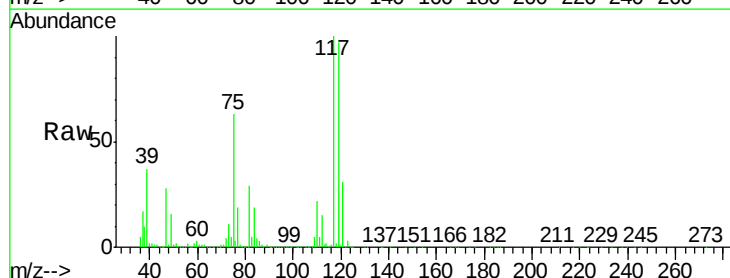


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

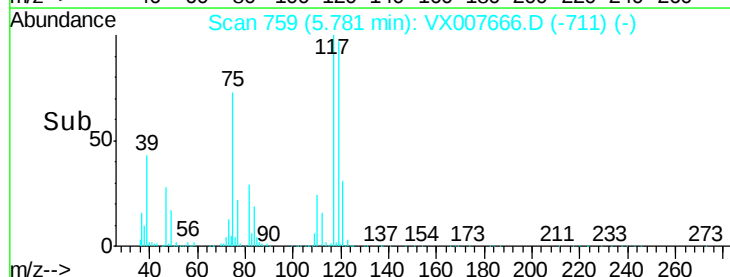
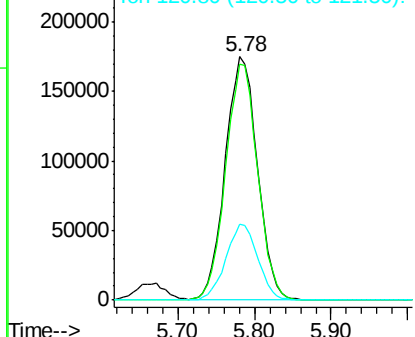


#38
Carbon Tetrachloride
Concen: 101.799 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion: 117 Resp: 509811
Ion Ratio Lower Upper
117 100
119 96.8 75.3 112.9
121 31.4 25.0 37.4



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

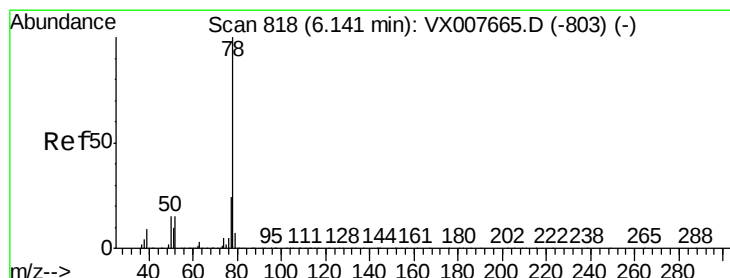
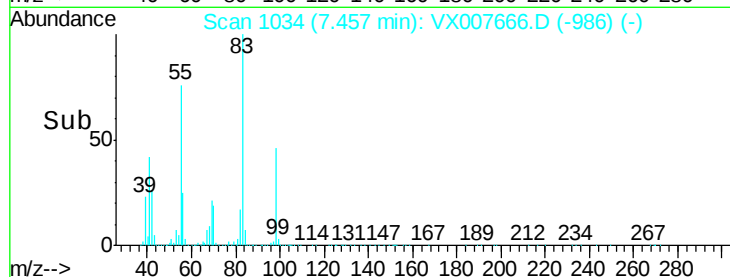
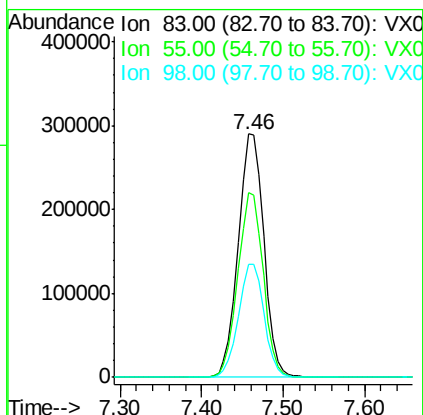
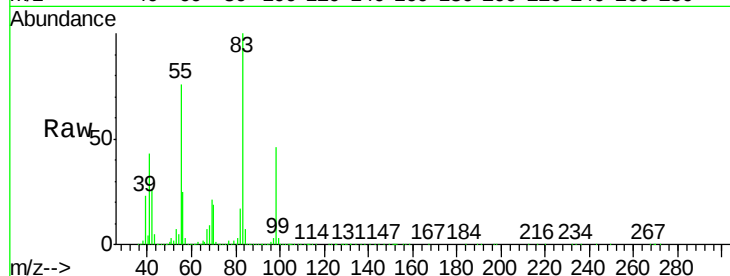




#39
Methvlcvclohexane
Concen: 100.131 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

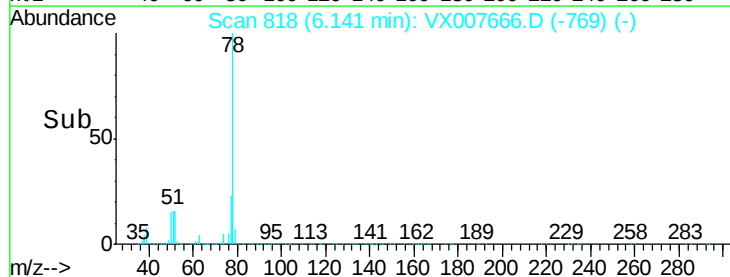
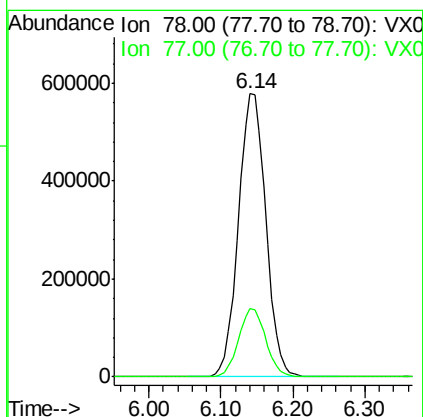
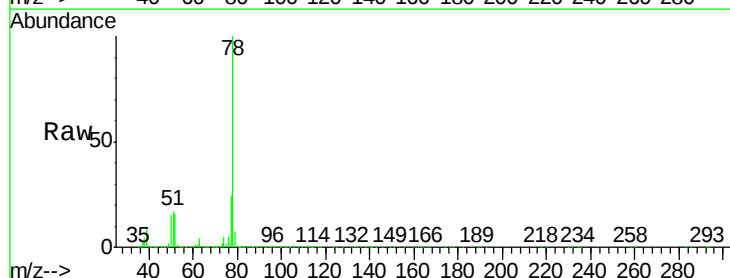
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

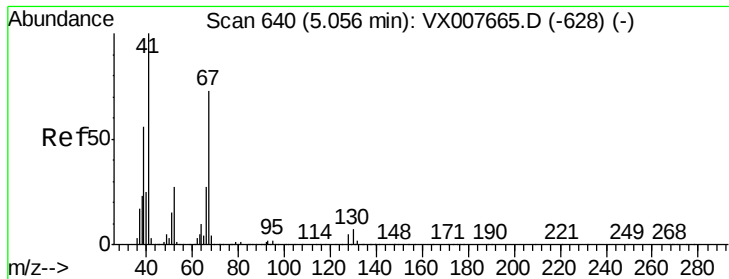
Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	56.2	84.2
98	46.5	36.8	55.2



#40
Benzene
Concen: 99.306 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





#41

Methacrylonitrile

Concen: 106.154 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 313925

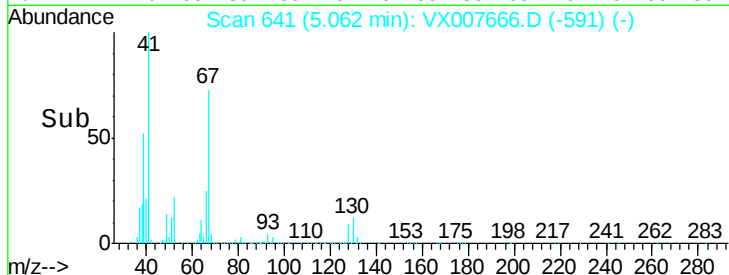
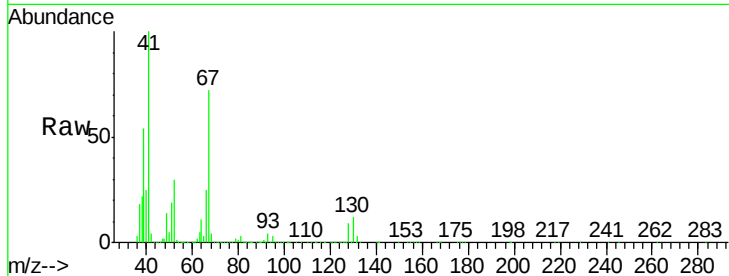
Ion Ratio Lower Upper

41 100

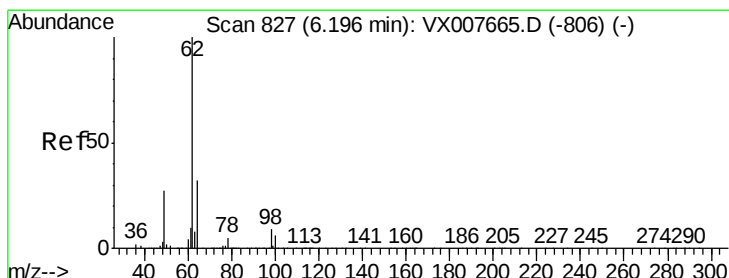
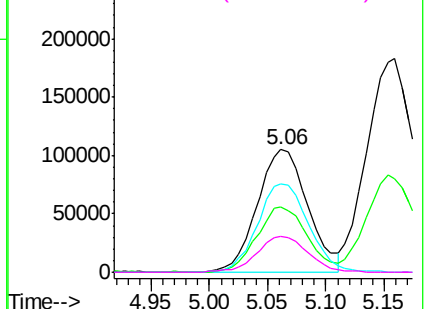
39 53.5 44.5 66.7

67 73.3 60.4 90.6

52 29.4 24.1 36.1



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: 101.133 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007666.D

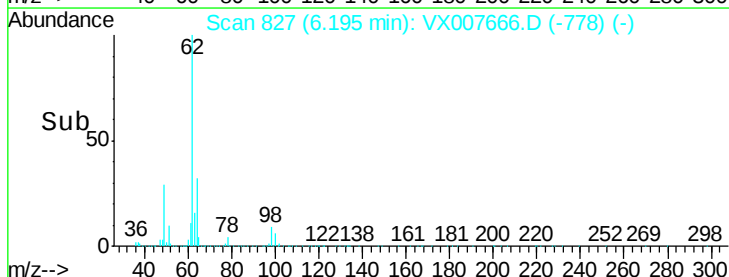
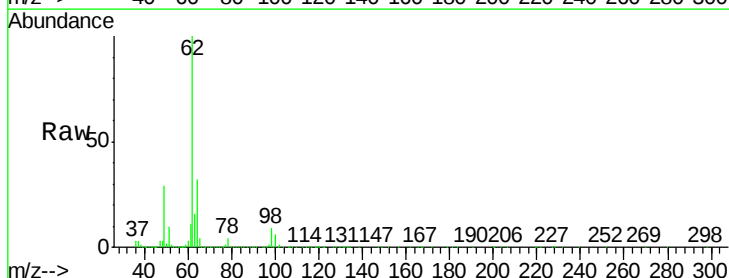
Acq: 25 Feb 2019 11:34

Tgt Ion: 62 Resp: 523138

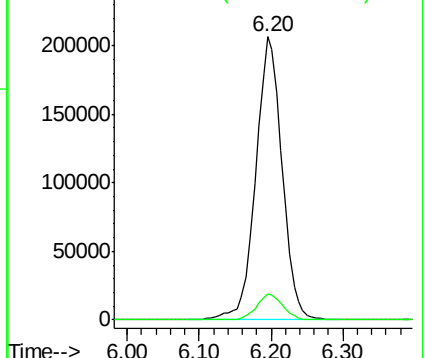
Ion Ratio Lower Upper

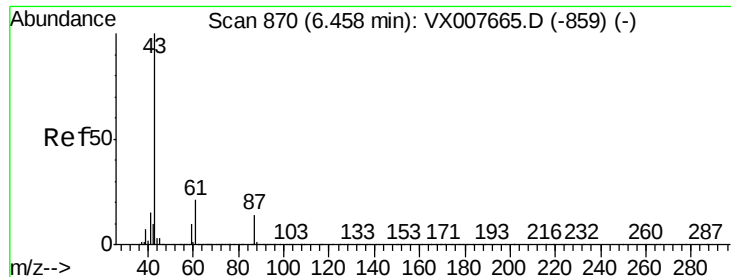
62 100

98 9.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 106.655 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

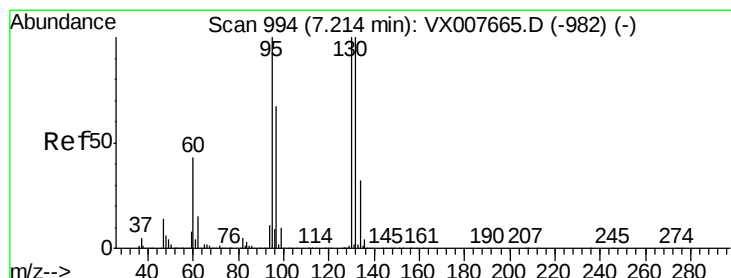
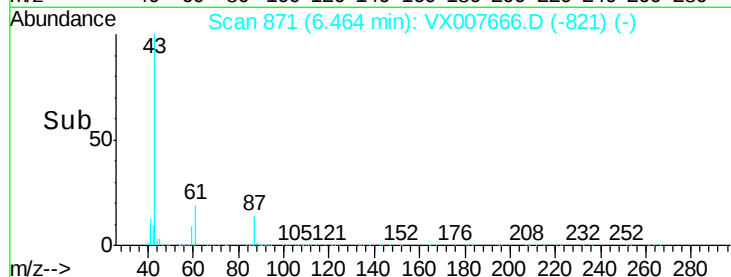
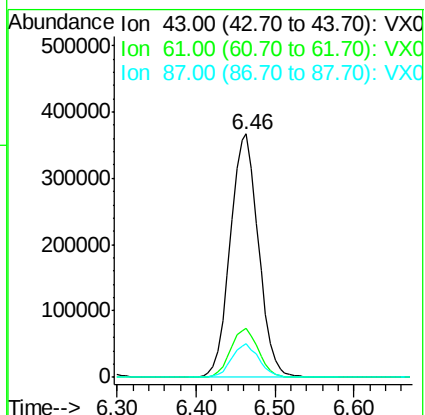
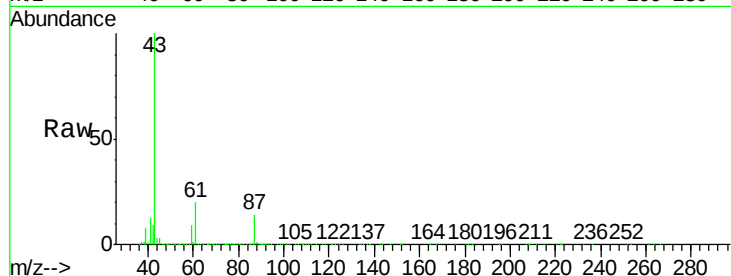
Tot Ion: 43 Resp: 909073

Ion Ratio Lower Upper

43 100

61 20.0 16.1 24.1

87 13.3 11.5 17.3



#44

Trichloroethene

Concen: 96.584 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007666.D

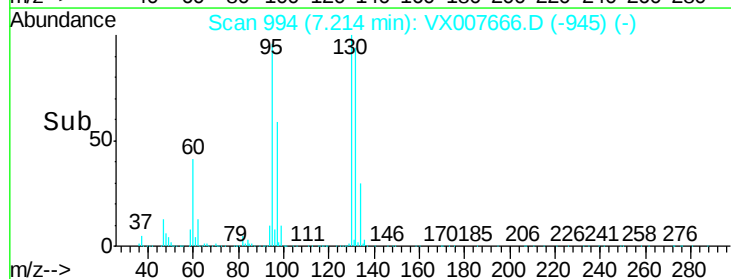
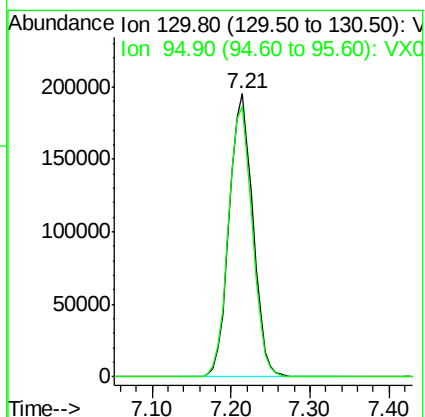
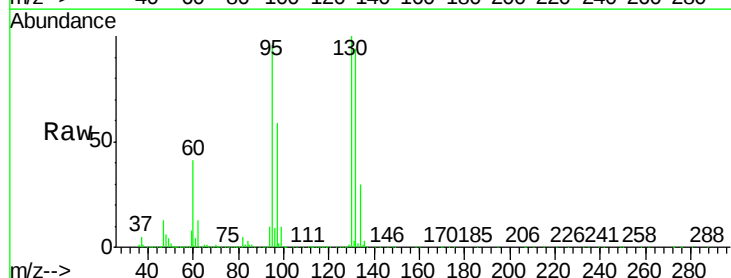
Acq: 25 Feb 2019 11:34

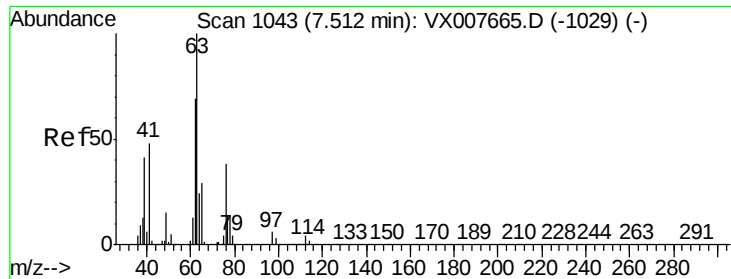
Tgt Ion:130 Resp: 408904

Ion Ratio Lower Upper

130 100

95 95.8 0.0 180.0

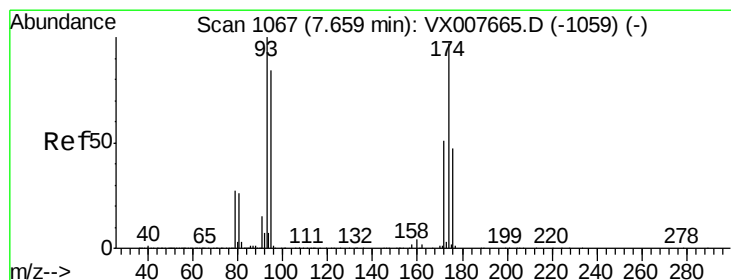
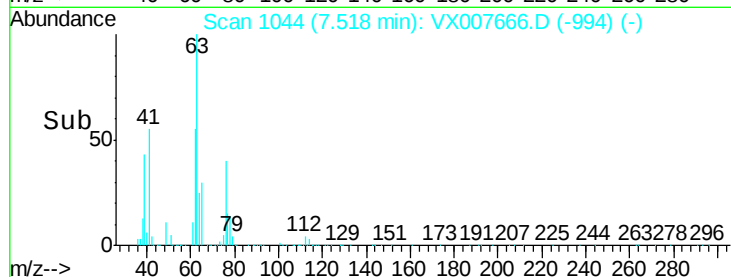
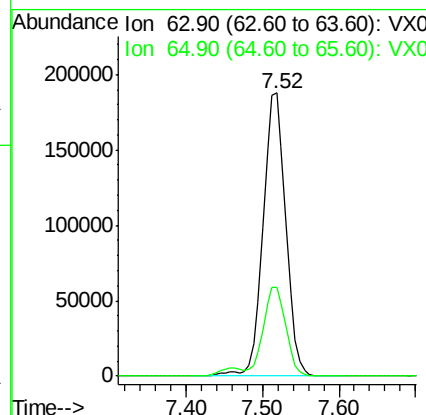
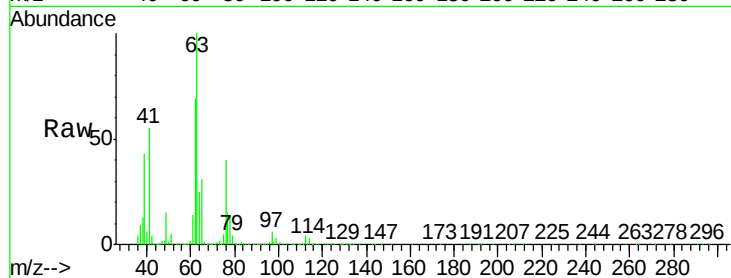




#45
 1,2-Dichloropropane
 Concen: 97.861 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

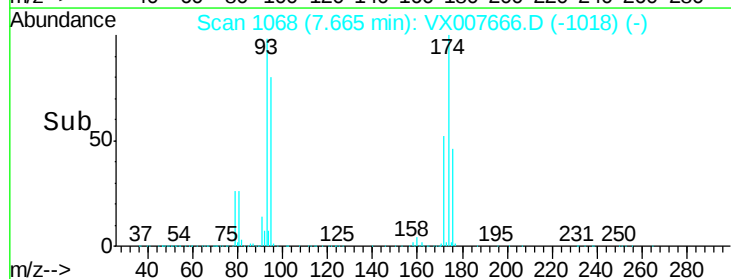
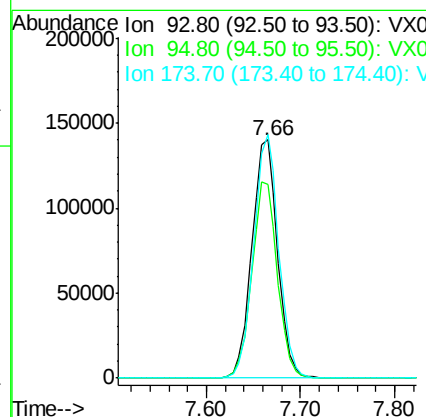
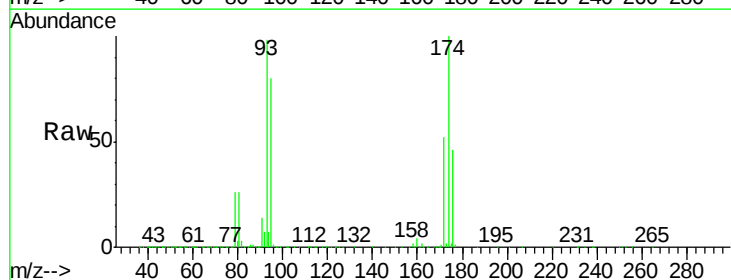
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

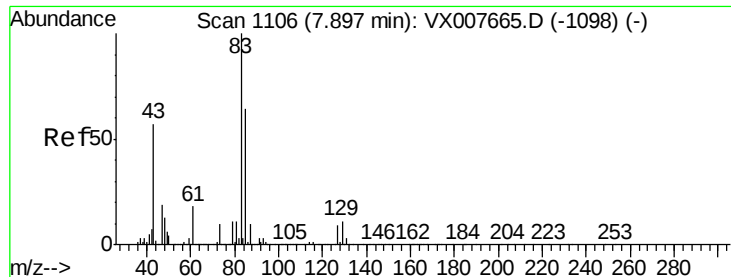
Tot Ion: 63 Resp: 390136
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.2 36.2



#46
 Dibromomethane
 Concen: 96.590 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Tgt Ion: 93 Resp: 268640
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.6 101.4
 174 100.0 94.2 141.4





#47

Bromodichloromethane

Concen: 105.915 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

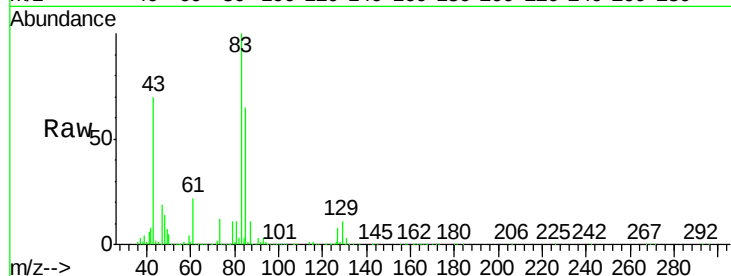
Tot Ion: 83 Resp: 510486

Ion Ratio Lower Upper

83 100

85 64.6 51.4 77.0

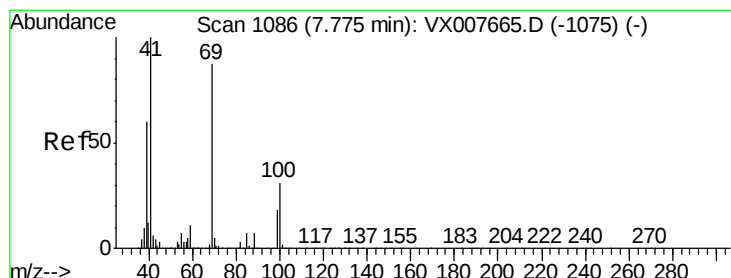
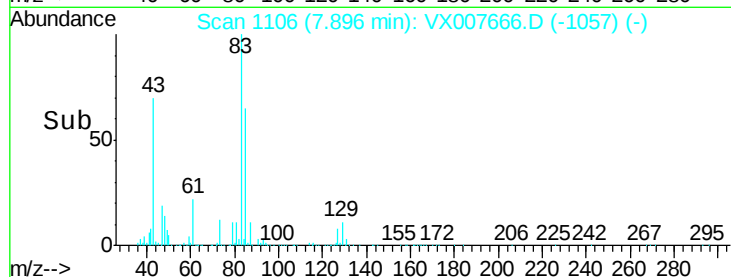
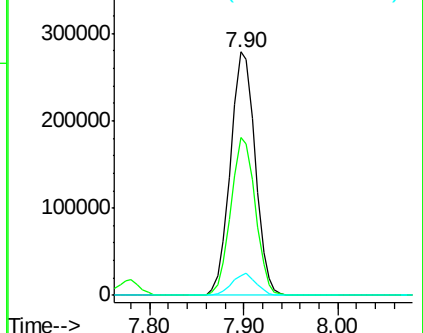
127 8.3 8.1 12.1



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: 103.441 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

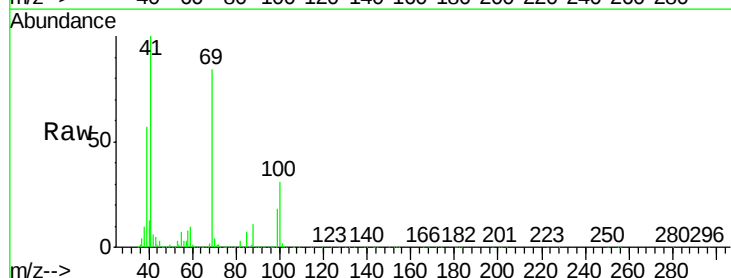
Tgt Ion: 41 Resp: 462162

Ion Ratio Lower Upper

41 100

69 84.2 70.2 105.4

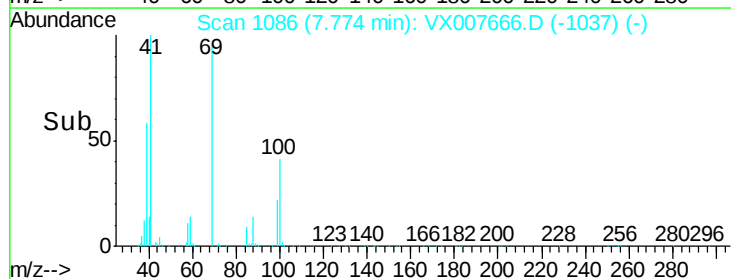
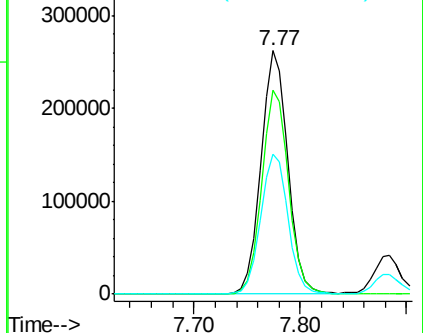
39 58.4 47.4 71.0

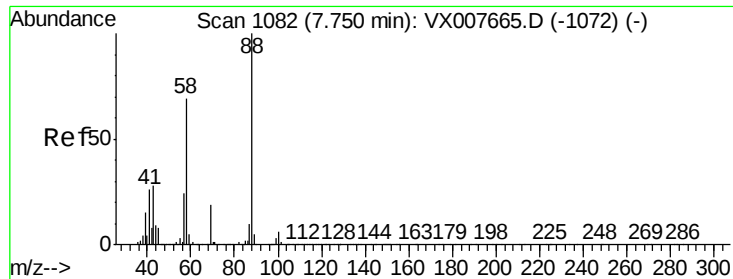


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

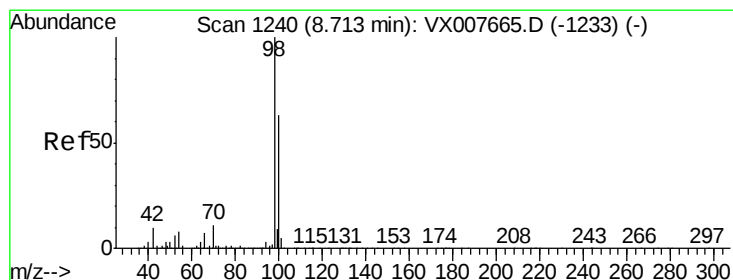
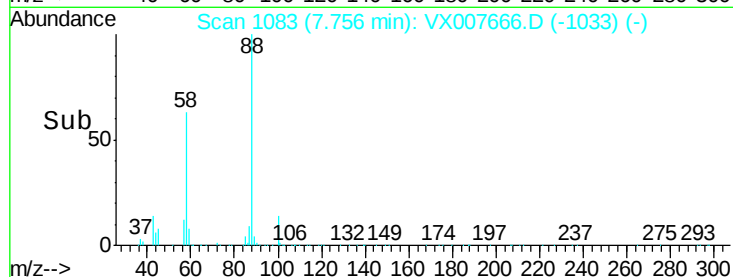
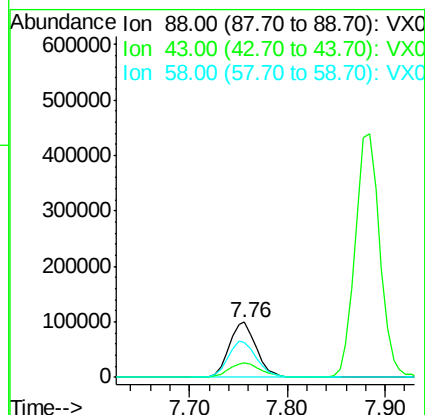
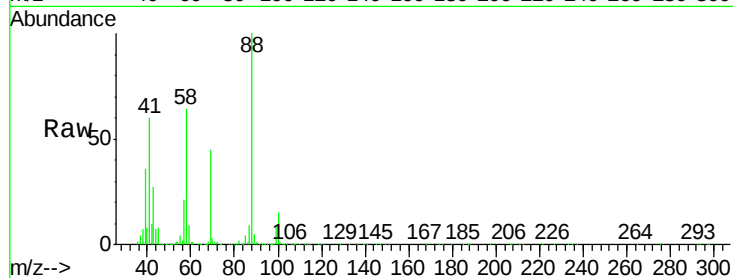




#49
1,4-Dioxane
Concen: 1988.570 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

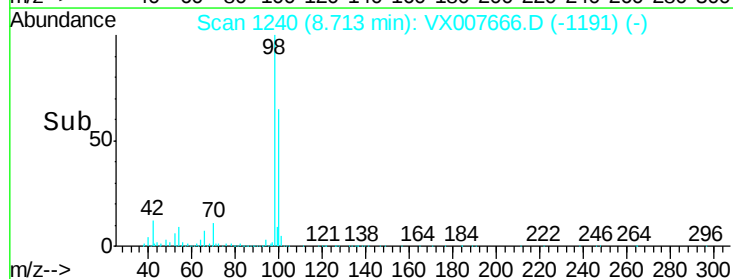
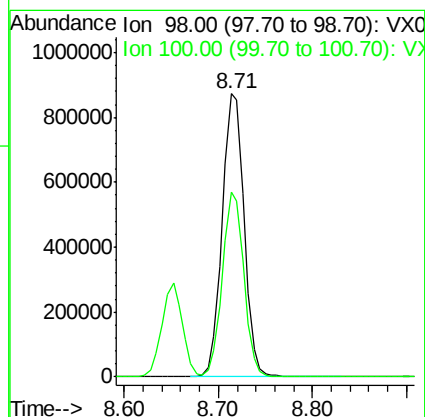
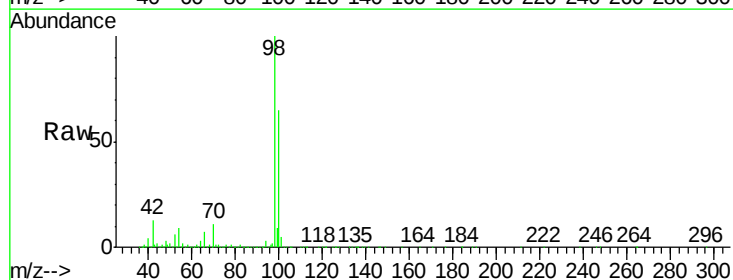
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

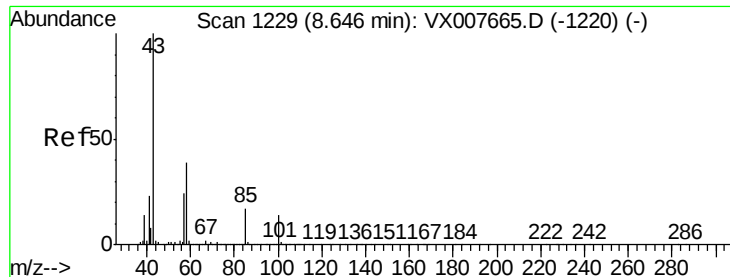
Tot Ion	88	Resp	191894
Ion	Ratio	Lower	Upper
88	100		
43	31.3	24.2	36.4
58	68.6	53.0	79.4



#50
Toluene-d8
Concen: 99.145 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion	98	Resp	1407030
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 527.136 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

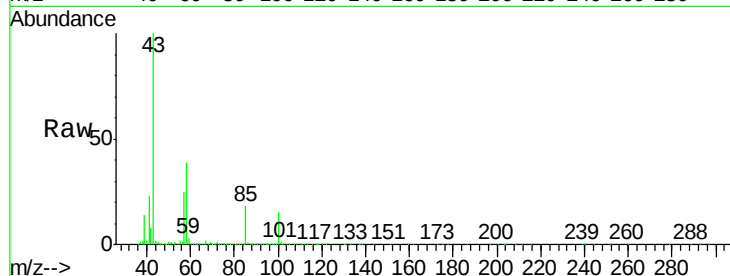
VSTDIC100

Tot Ion: 43 Resp: 3007543

Ion Ratio Lower Upper

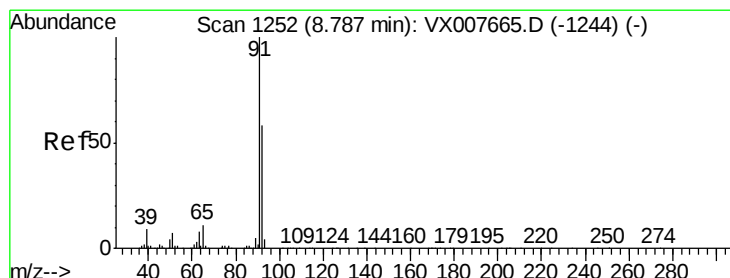
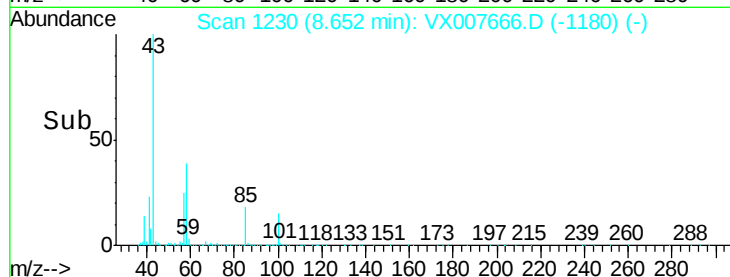
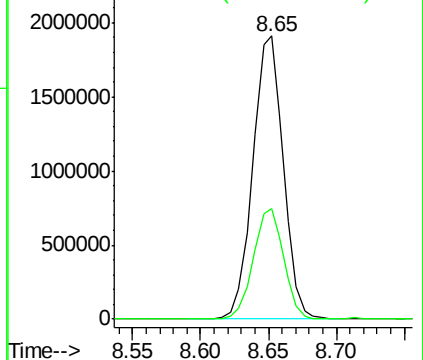
43 100

58 38.9 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 101.676 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007666.D

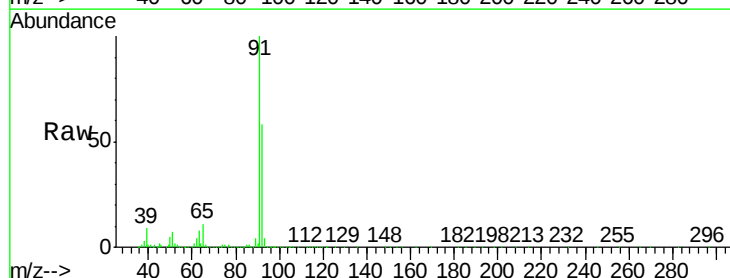
Acq: 25 Feb 2019 11:34

Tgt Ion: 92 Resp: 986741

Ion Ratio Lower Upper

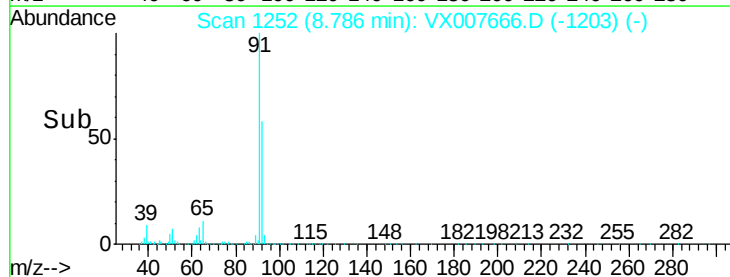
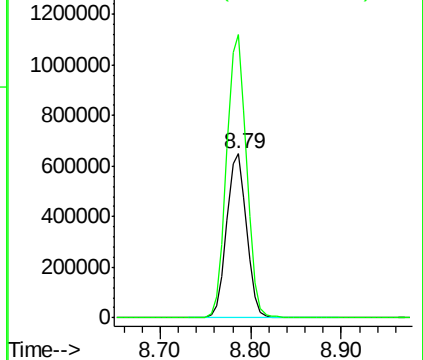
92 100

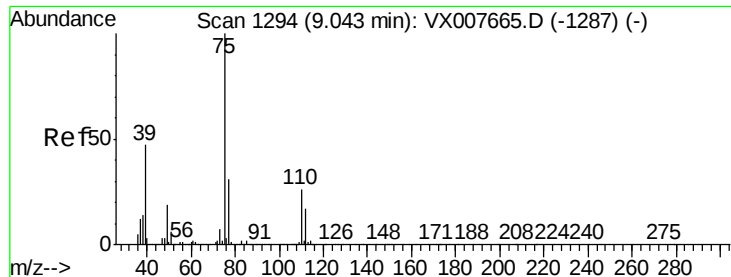
91 173.0 139.1 208.7



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: 113.813 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

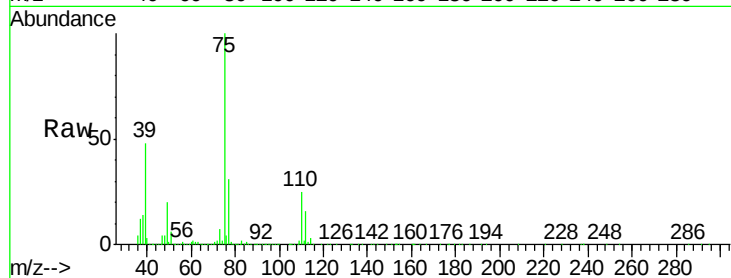
VSTDIC100

Tot Ion: 75 Resp: 601912

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

400000

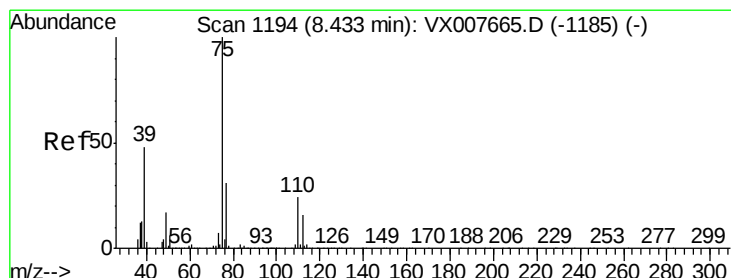
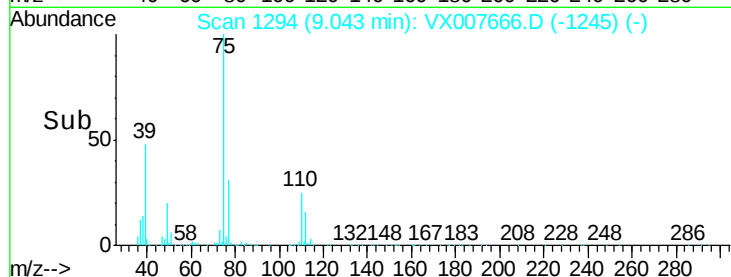
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 108.667 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

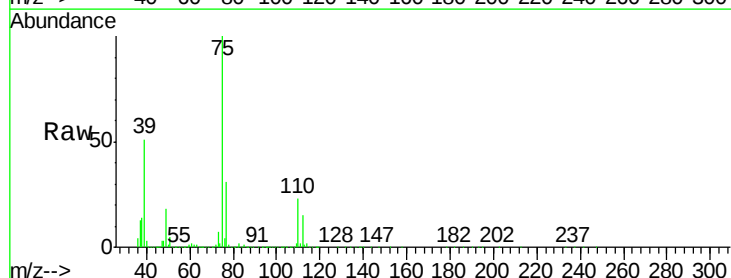
Tgt Ion: 75 Resp: 635587

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.4

39 50.6 37.1 55.7



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

8.43

400000

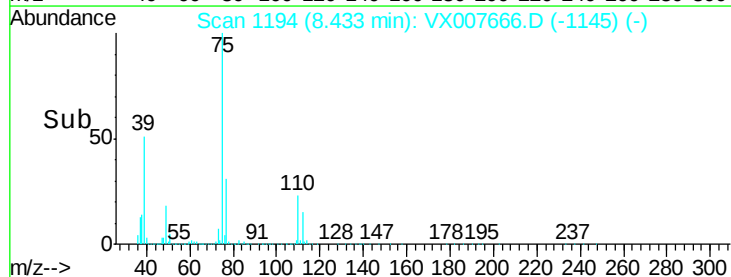
300000

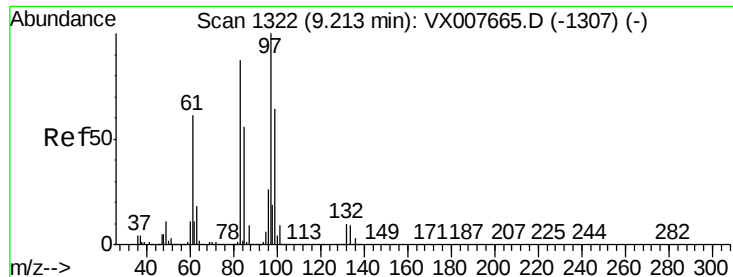
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 98.752 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 399645

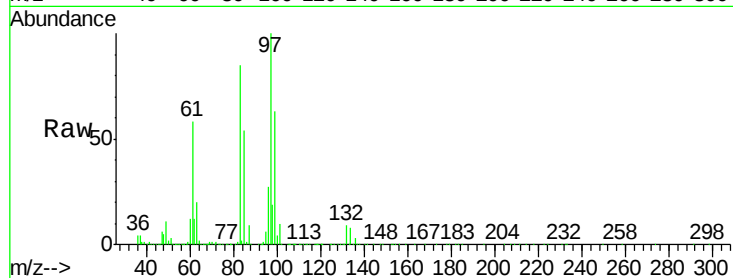
Ion Ratio Lower Upper

97 100

83 85.0 68.6 102.8

85 53.7 44.5 66.7

99 63.0 52.2 78.4

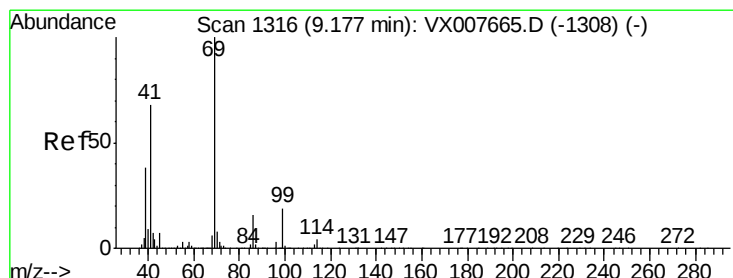
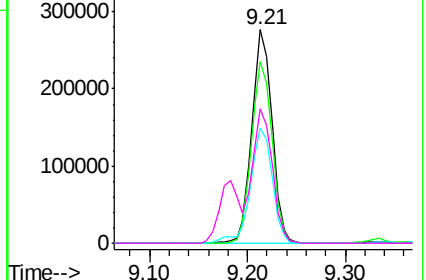
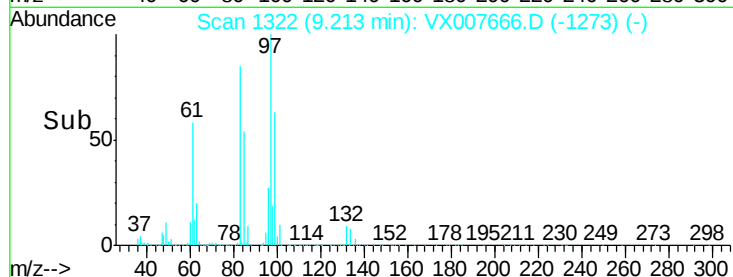


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 109.576 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

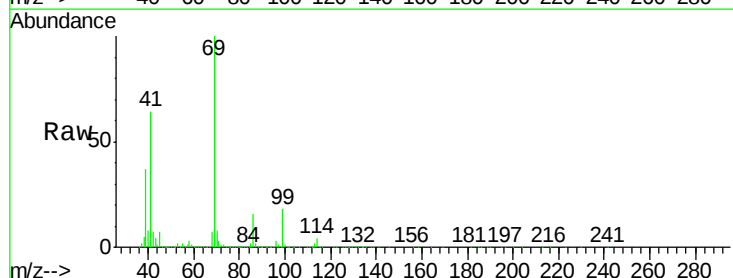
Tgt Ion: 69 Resp: 630616

Ion Ratio Lower Upper

69 100

41 66.6 52.1 78.1

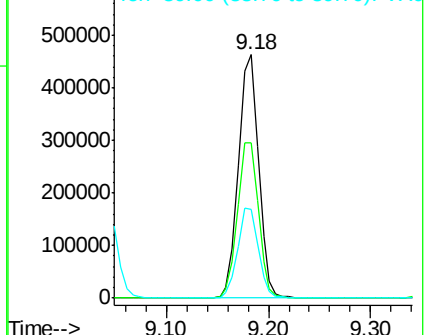
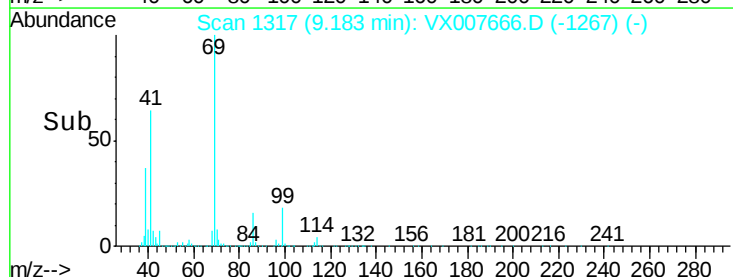
39 37.8 30.1 45.1

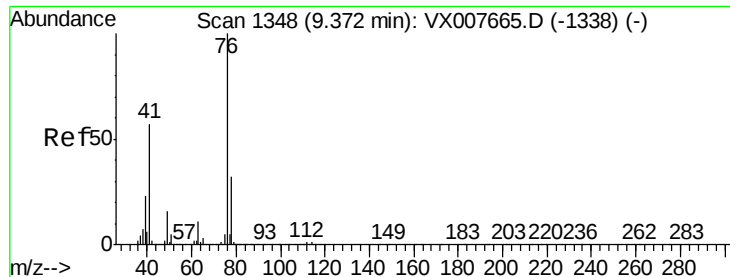


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 101.202 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

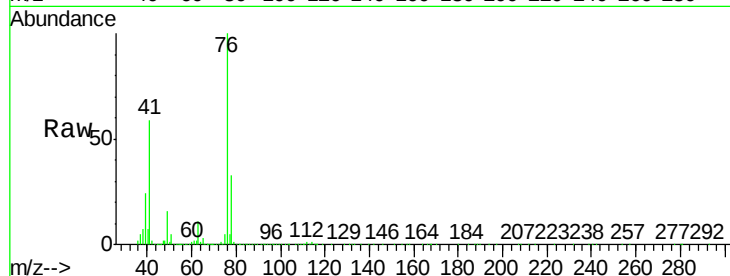
VSTDIC100

Tot Ion: 76 Resp: 655612

Ion Ratio Lower Upper

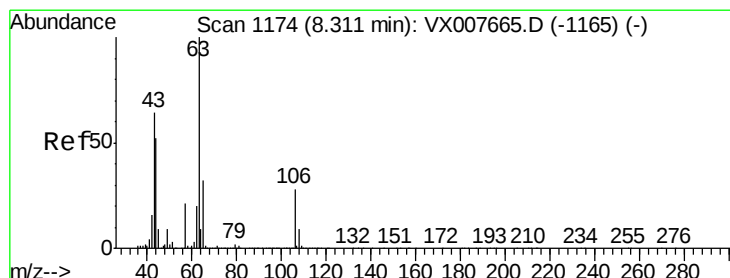
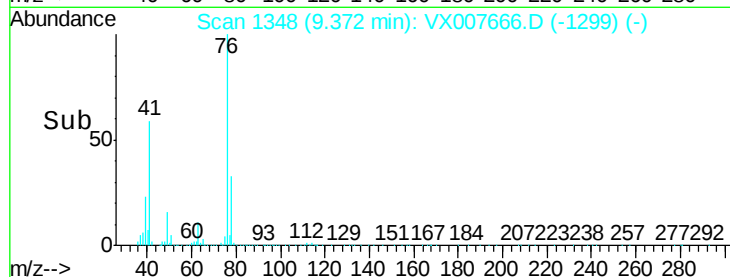
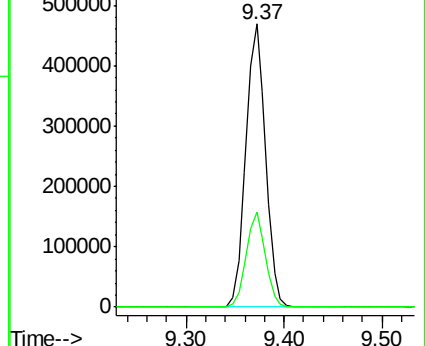
76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 518.831 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX007666.D

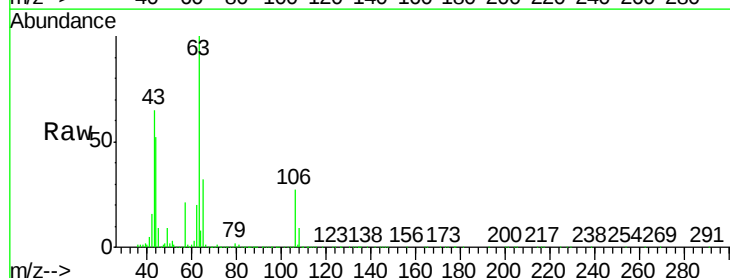
Acq: 25 Feb 2019 11:34

Tgt Ion: 63 Resp: 1646568

Ion Ratio Lower Upper

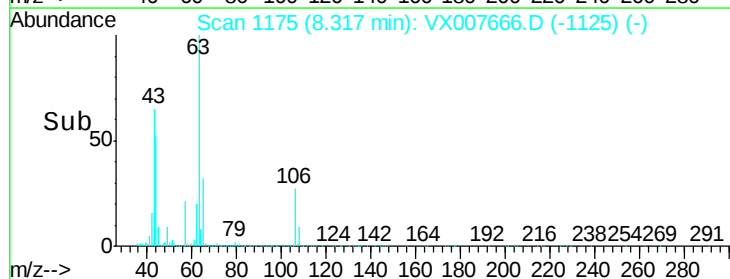
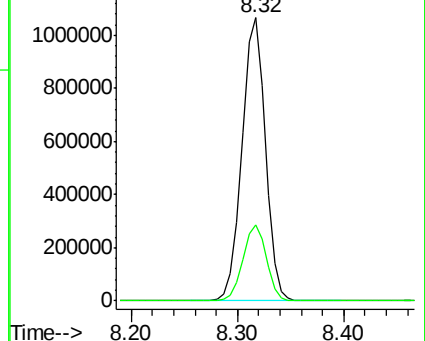
63 100

106 27.1 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

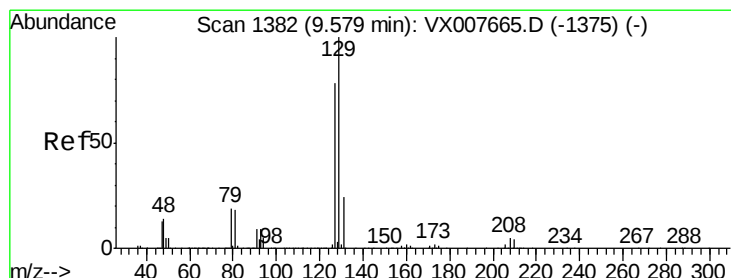
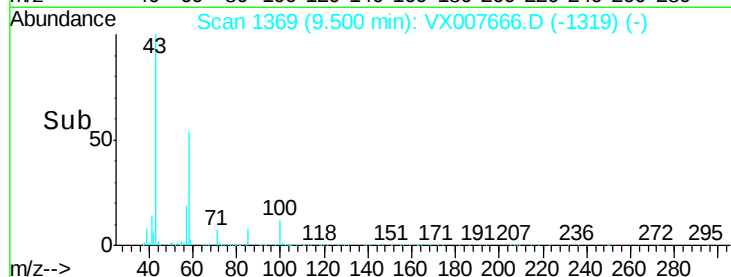
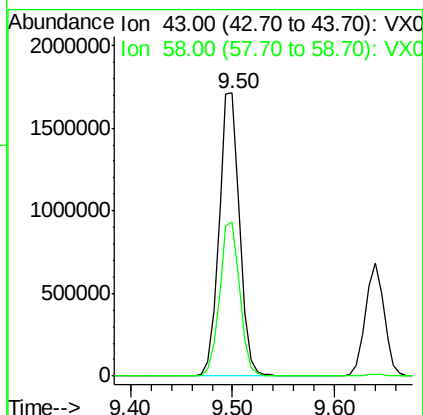
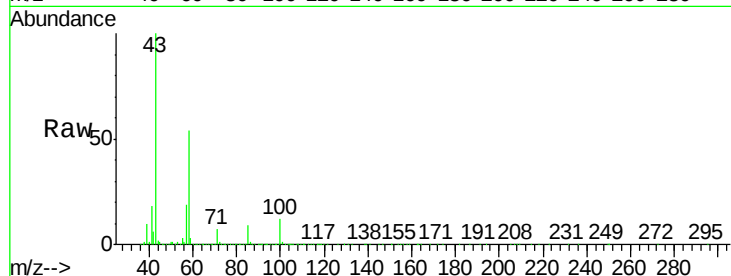




#59
2-Hexanone
Concen: 536.977 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

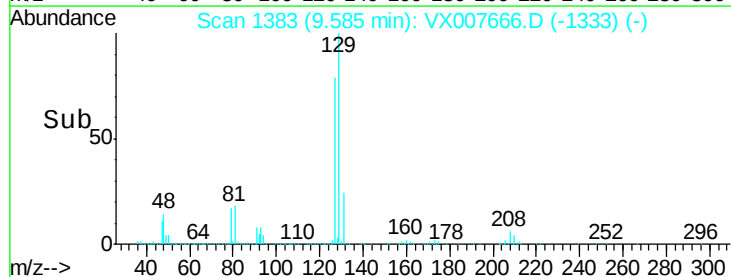
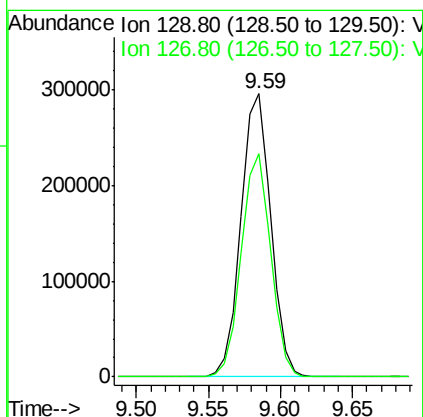
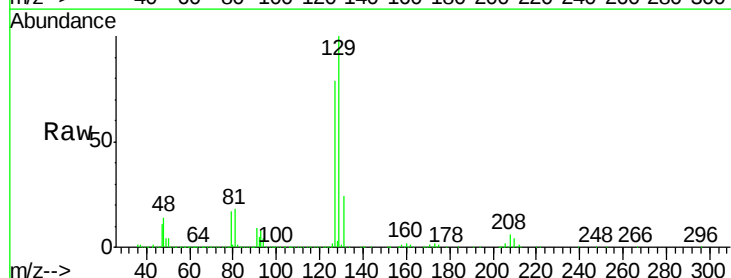
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

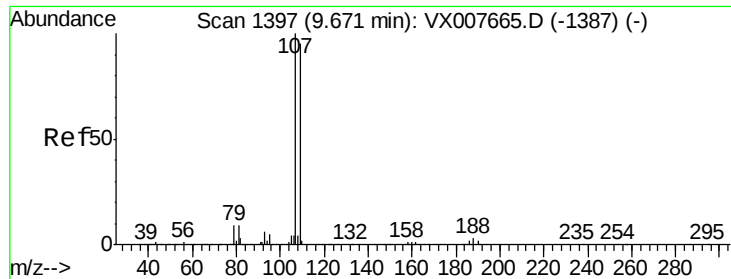
Tot Ion: 43 Resp: 2405275
Ion Ratio Lower Upper
43 100
58 53.6 27.1 81.3



#60
Dibromochloromethane
Concen: 109.452 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion: 129 Resp: 426217
Ion Ratio Lower Upper
129 100
127 77.6 37.8 113.4

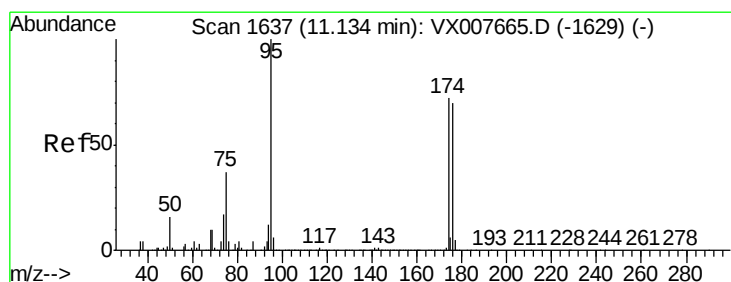
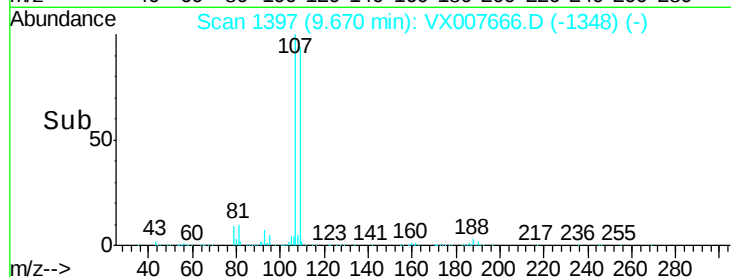
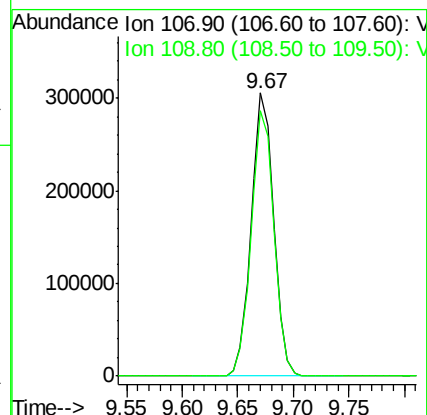
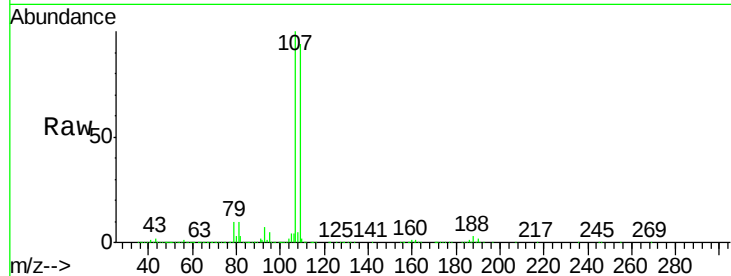




#61
 1,2-Dibromoethane
 Concen: 101.890 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

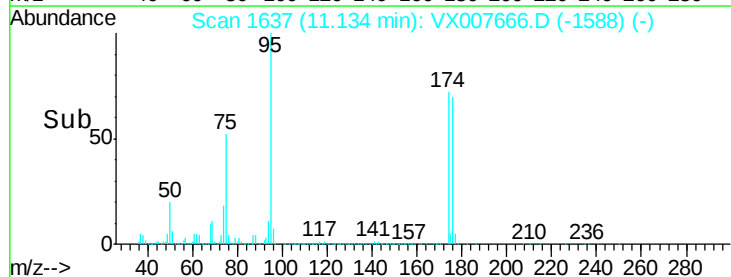
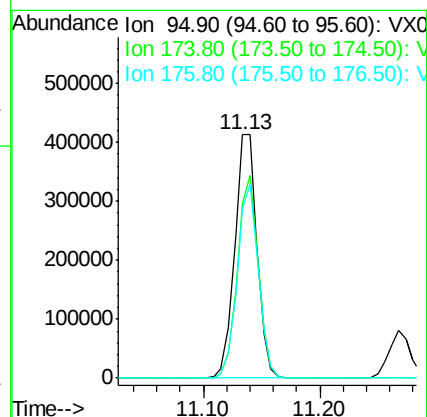
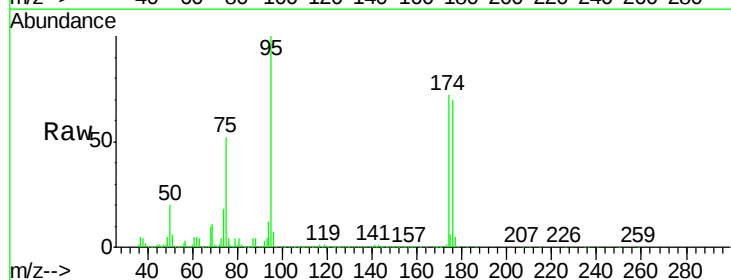
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

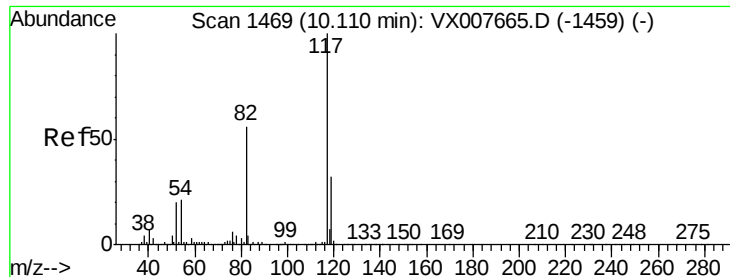
Tot Ion:107 Resp: 428115
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 105.410 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Tgt Ion: 95 Resp: 549063
 Ion Ratio Lower Upper
 95 100
 174 78.6 0.0 189.2
 176 75.7 0.0 186.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

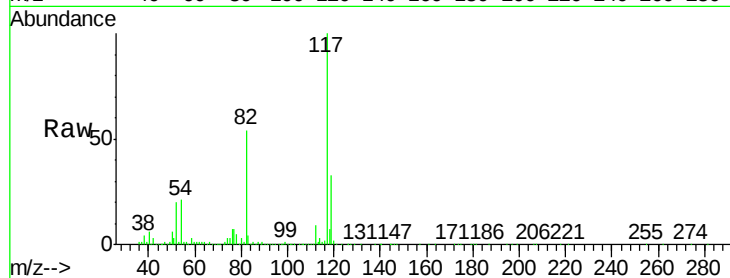
Tot Ion:117 Resp: 510749

Ion Ratio Lower Upper

117 100

82 54.2 42.1 63.1

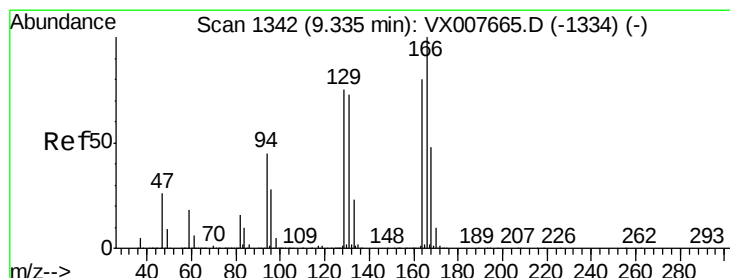
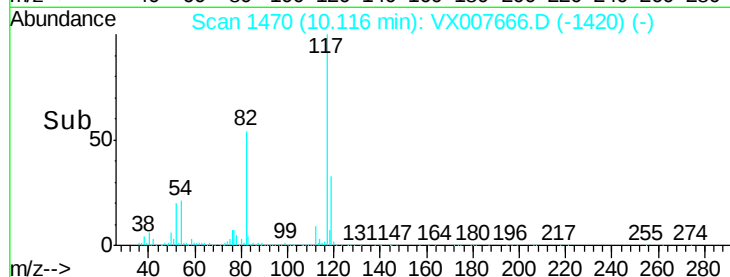
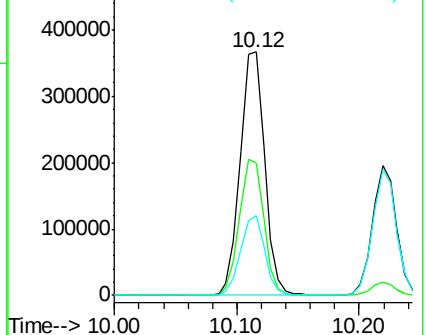
119 32.9 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 95.065 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Tgt Ion:164 Resp: 394170

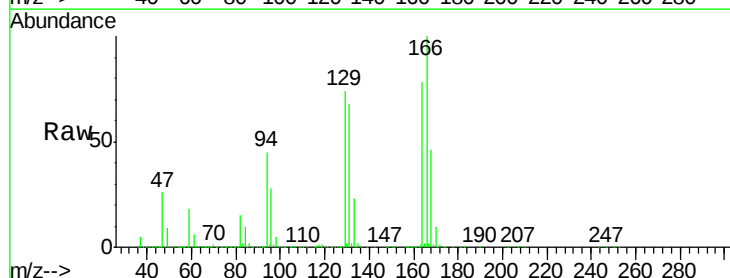
Ion Ratio Lower Upper

164 100

166 127.9 101.0 151.4

129 94.5 70.5 105.7

131 87.6 69.8 104.6

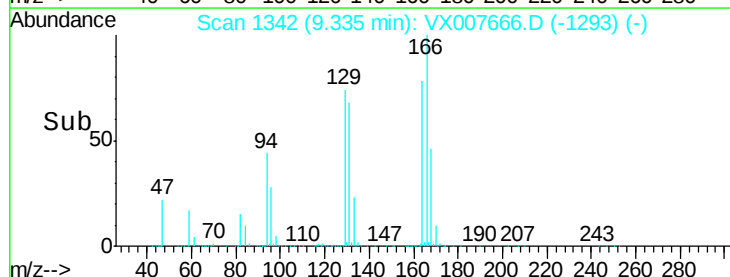
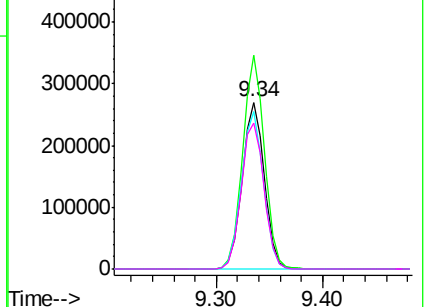


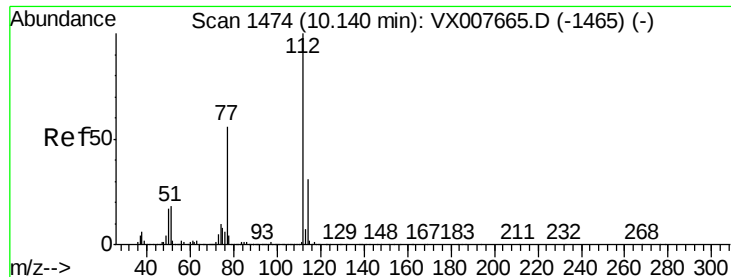
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 96.476 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

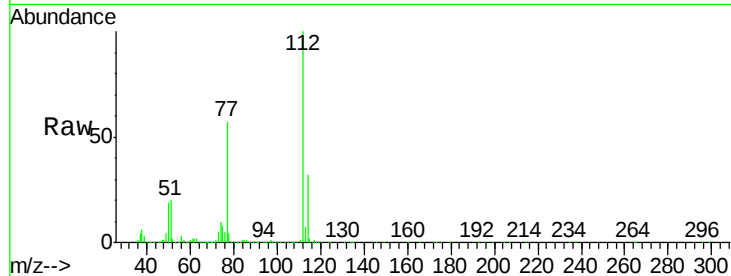
VSTDIC100

Tot Ion:112 Resp: 1065719

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

400000

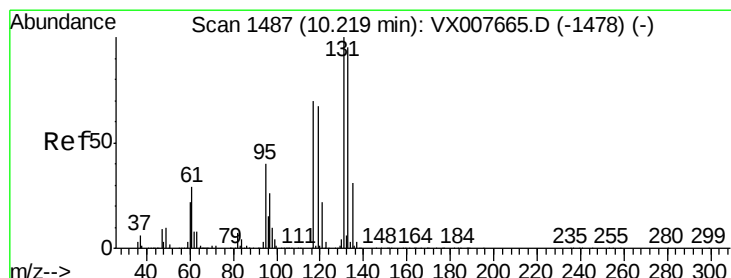
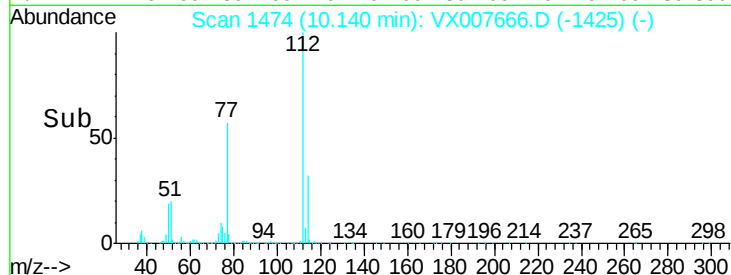
200000

0

10.14

10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 99.007 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

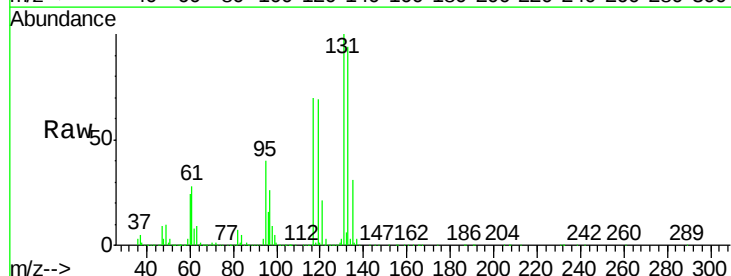
Tgt Ion:131 Resp: 381500

Ion Ratio Lower Upper

131 100

133 94.8 48.0 144.2

119 67.3 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

300000

200000

100000

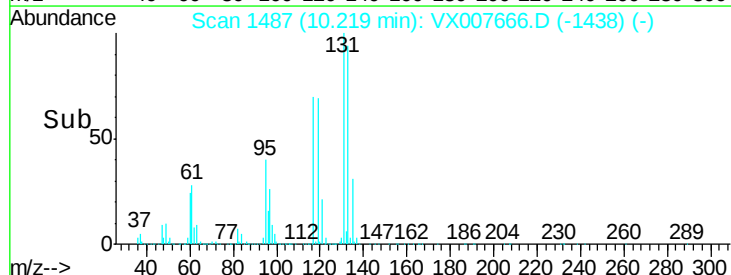
0

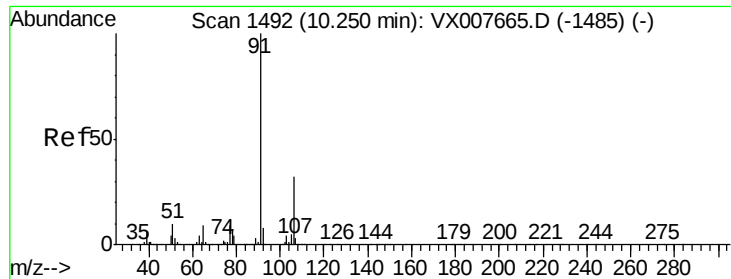
10.22

10.25

10.30

Time-->





#67

Ethyl Benzene

Concen: 102.313 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

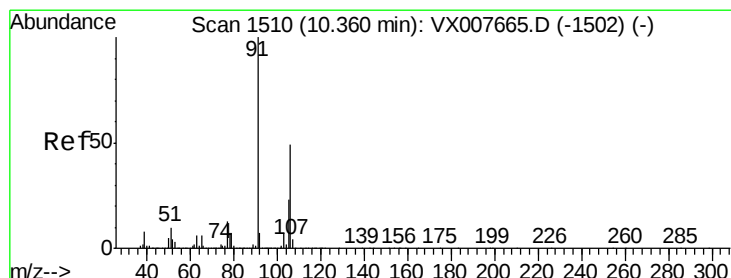
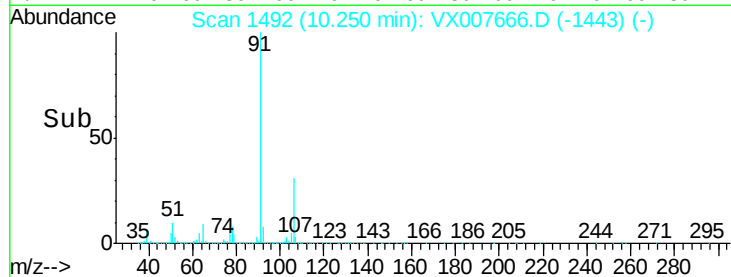
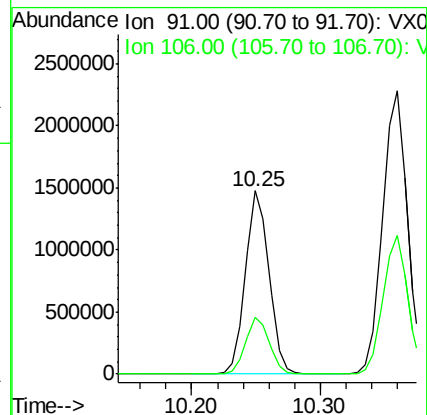
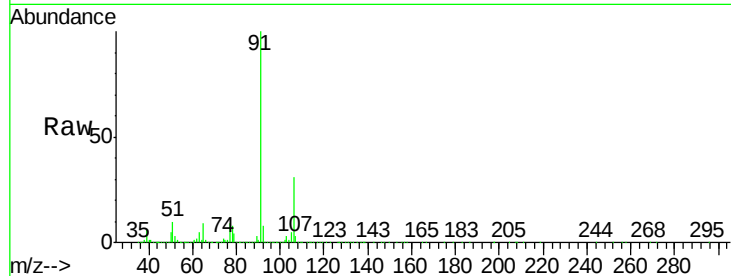
VSTDIC100

Tot Ion: 91 Resp: 1872228

Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.0



#68

m/p-Xylenes

Concen: 206.329 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007666.D

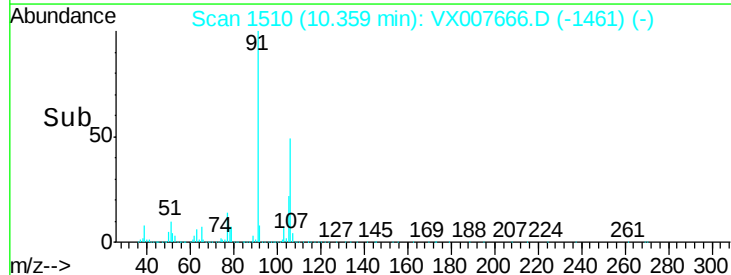
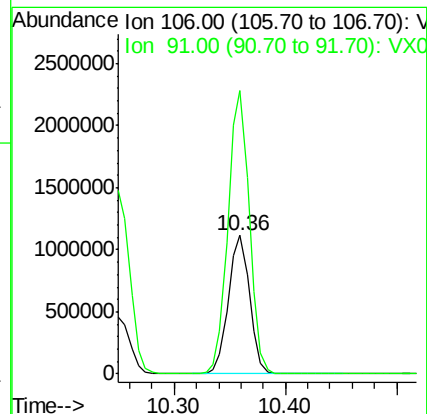
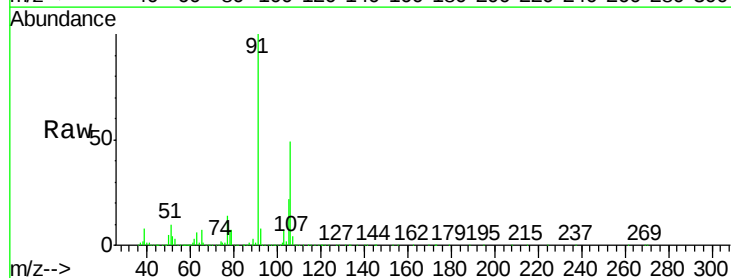
Acq: 25 Feb 2019 11:34

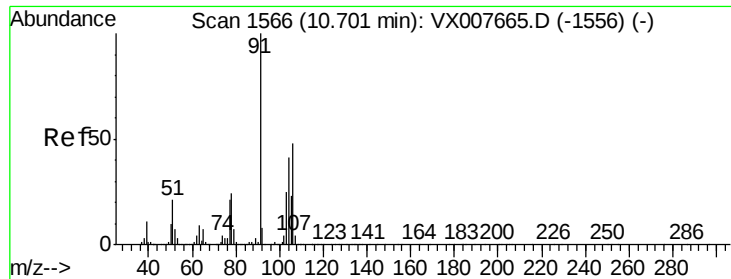
Tgt Ion: 106 Resp: 1468839

Ion Ratio Lower Upper

106 100

91 205.0 156.6 234.8

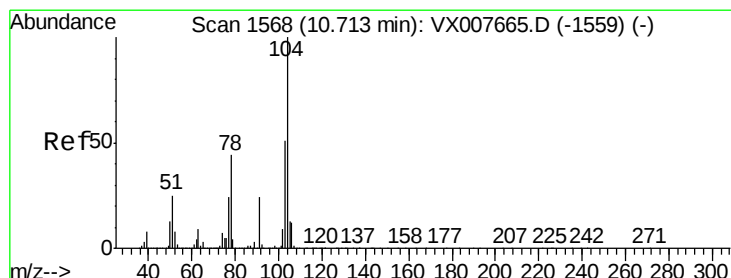
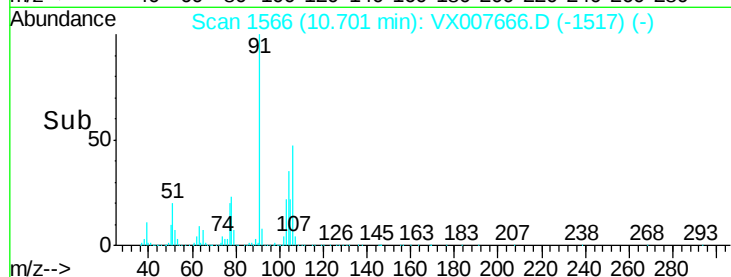
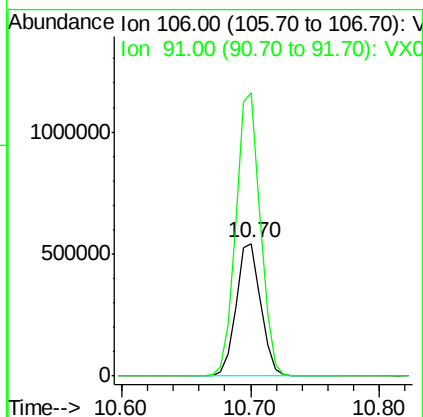
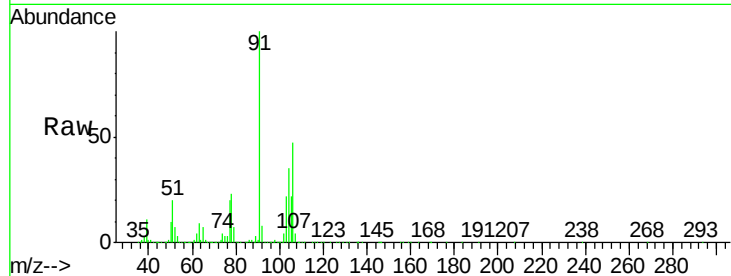




#69
o-Xylene
Concen: 105.286 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

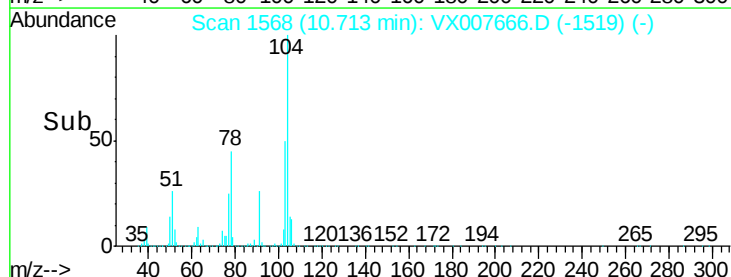
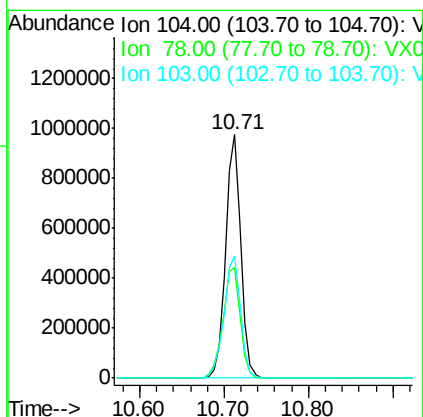
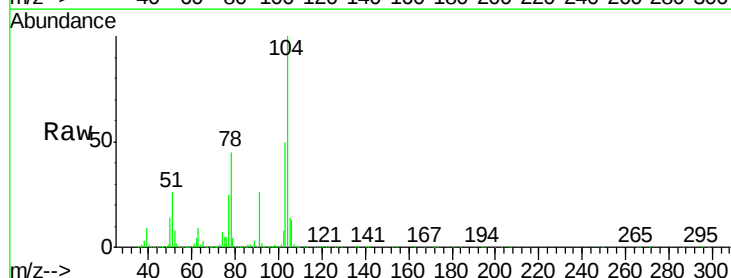
Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 720949
Ion Ratio Lower Upper
106 100
91 213.0 102.9 308.7



#70
Styrene
Concen: 107.963 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion:104 Resp: 1215154
Ion Ratio Lower Upper
104 100
78 52.1 38.3 57.5
103 55.1 44.6 67.0





#71

Bromoform

Concen: 110.788 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

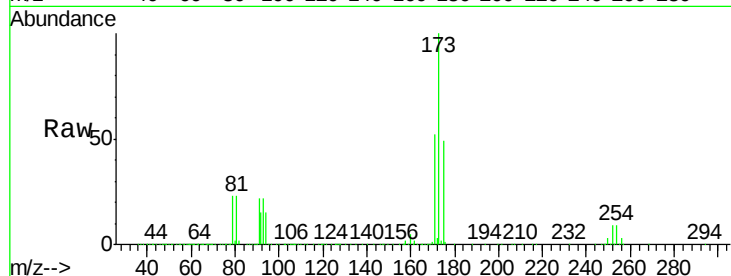
Tot Ion:173 Resp: 320118

Ion Ratio Lower Upper

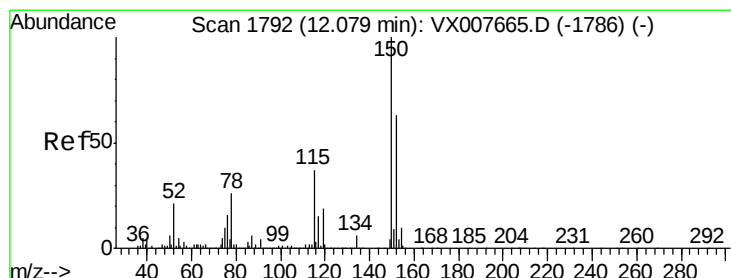
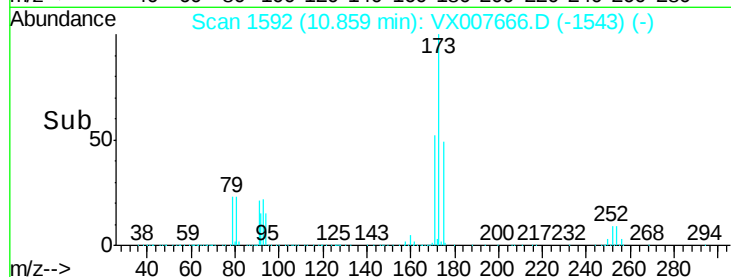
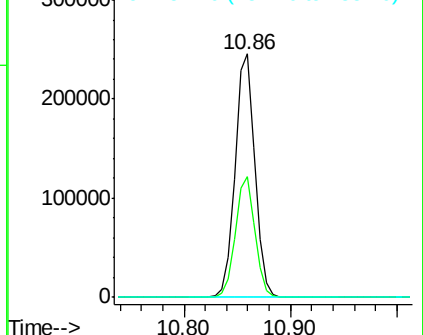
173 100

175 48.9 24.2 72.6

254 0.2 0.2 0.2



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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

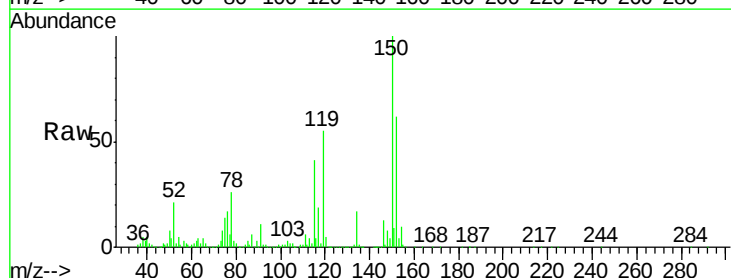
Tgt Ion:152 Resp: 282461

Ion Ratio Lower Upper

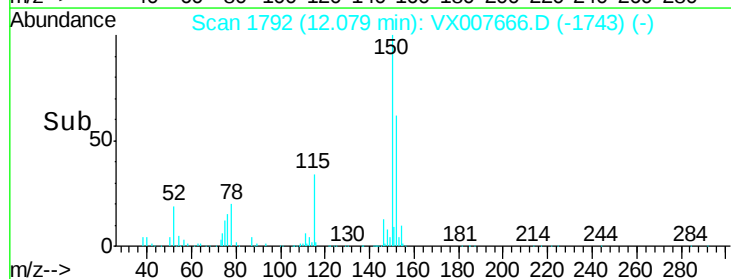
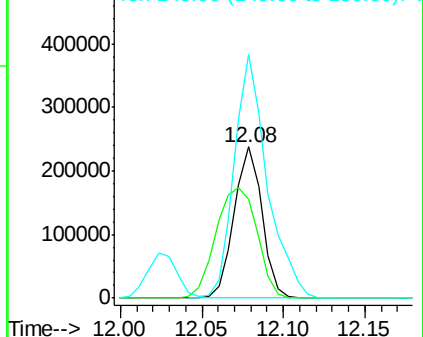
152 100

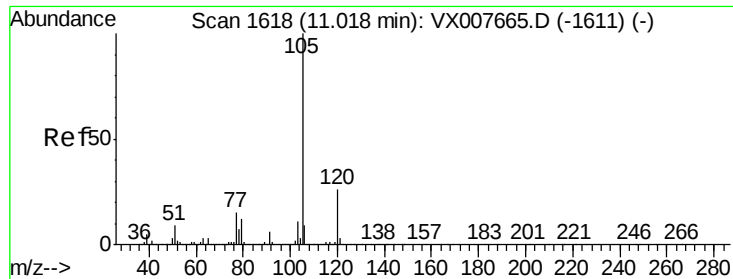
115 107.9 38.0 114.0

150 190.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 97.067 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

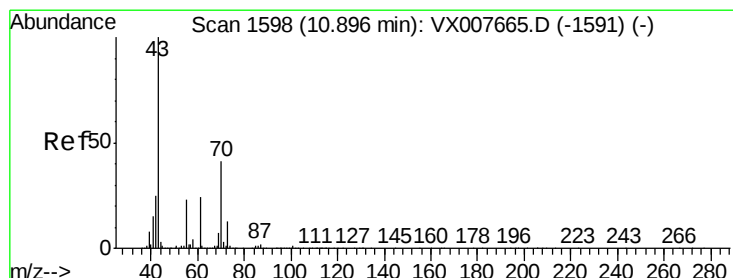
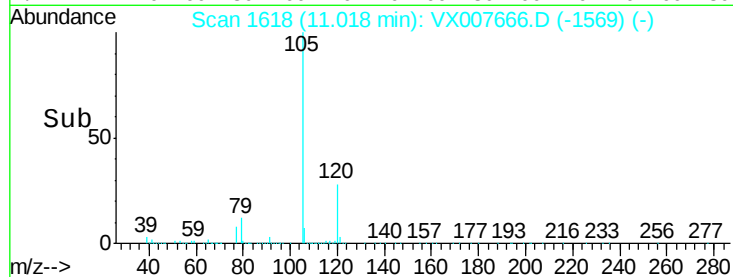
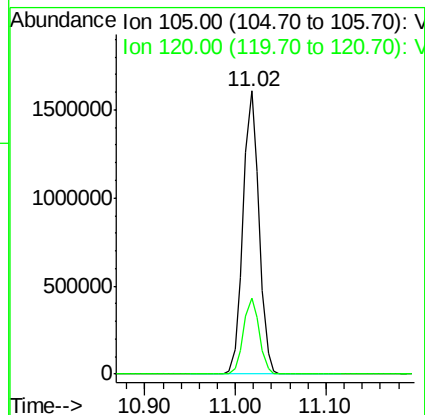
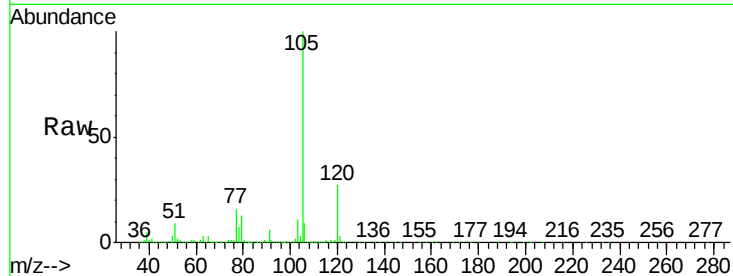
VSTDIC100

Tot Ion:105 Resp: 1959561

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 105.641 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Tgt Ion: 43 Resp: 926131

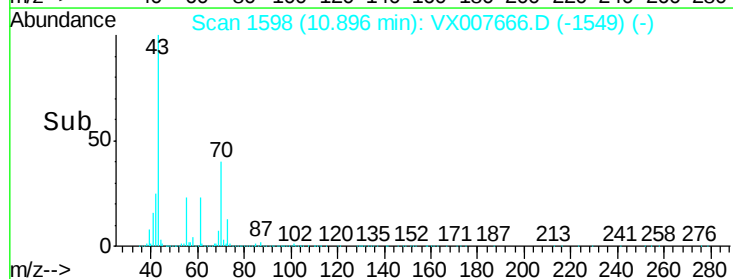
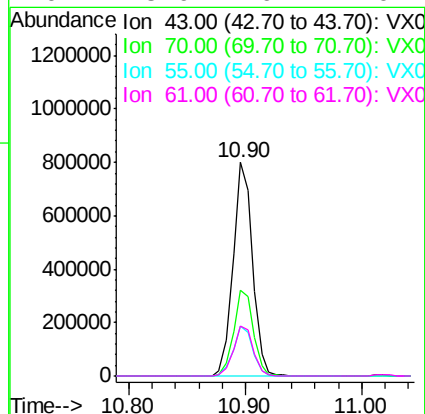
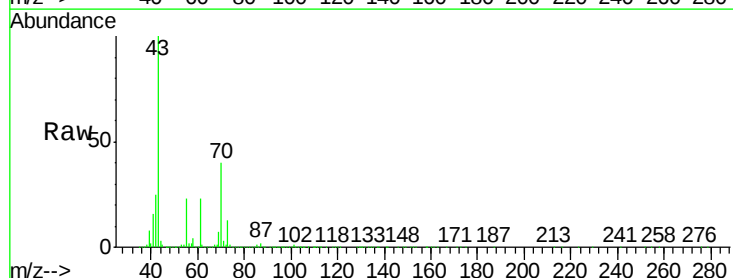
Ion Ratio Lower Upper

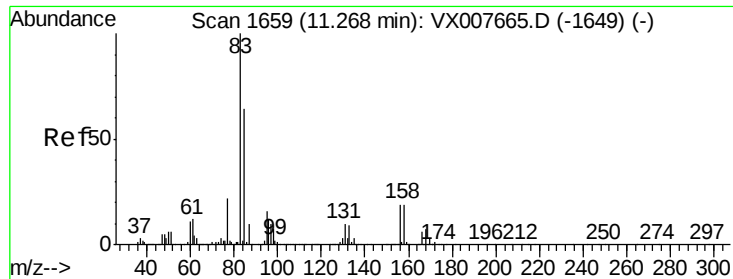
43 100

70 41.0 33.8 50.6

55 23.6 19.5 29.3

61 23.9 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 93.448 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

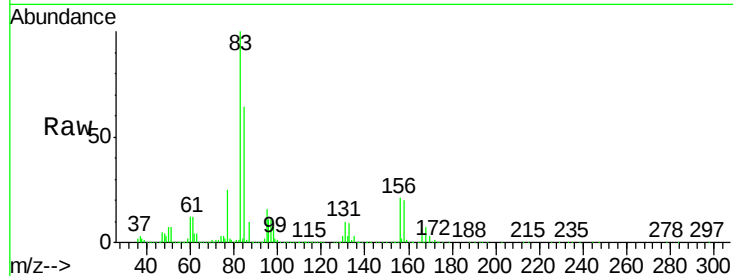
Tot Ion: 83 Resp: 652485

Ion Ratio Lower Upper

83 100

131 10.2 5.7 17.0

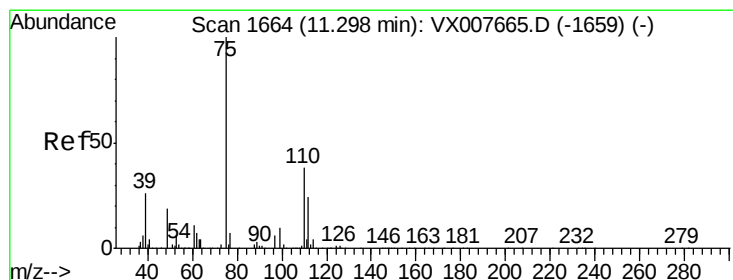
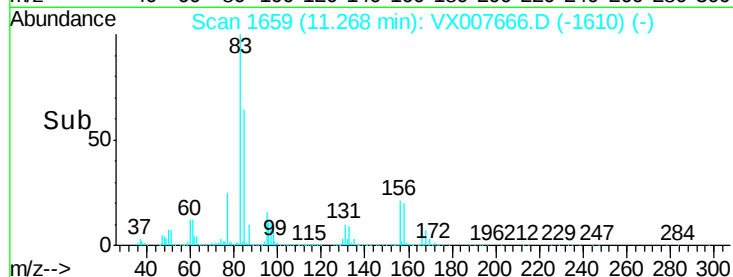
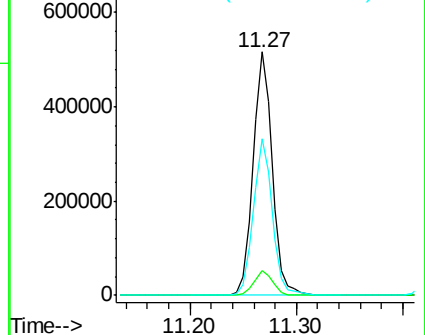
85 63.7 32.8 98.3



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: 132.492 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007666.D

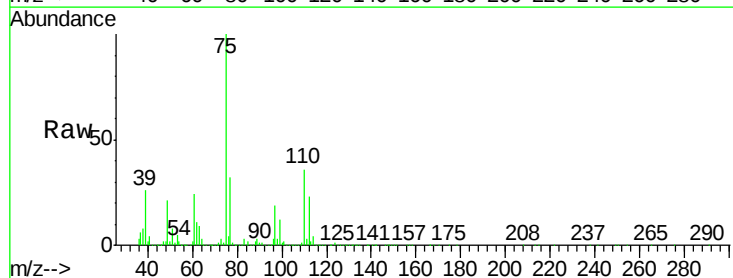
Acq: 25 Feb 2019 11:34

Tgt Ion: 75 Resp: 797708

Ion Ratio Lower Upper

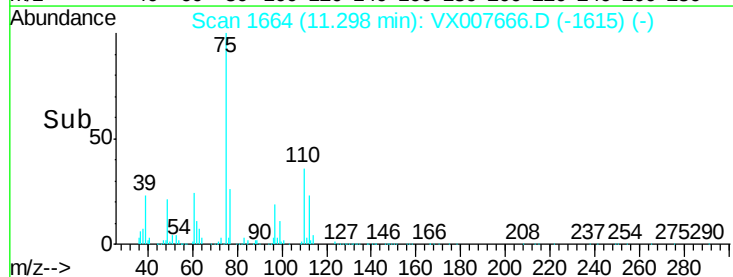
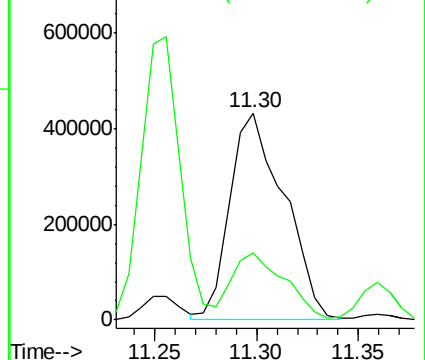
75 100

77 31.2 23.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 94.040 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

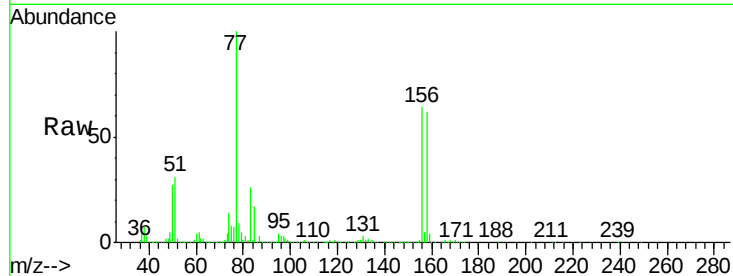
Tot Ion:156 Resp: 476174

Ion Ratio Lower Upper

156 100

77 164.7 66.8 200.6

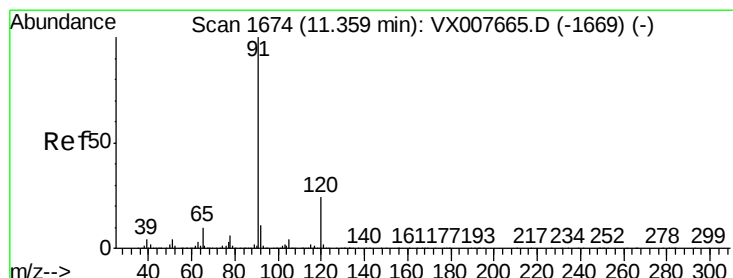
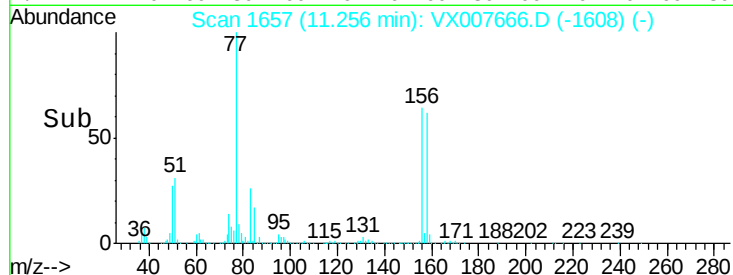
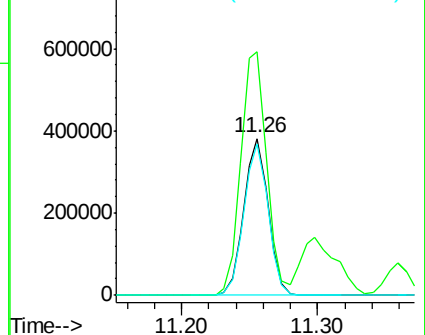
158 97.0 47.9 143.8



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: 100.548 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007666.D

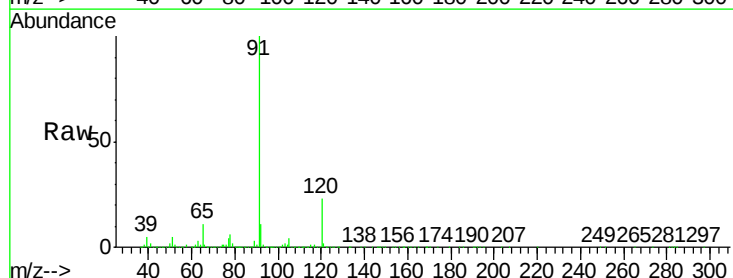
Acq: 25 Feb 2019 11:34

Tgt Ion: 91 Resp: 2293745

Ion Ratio Lower Upper

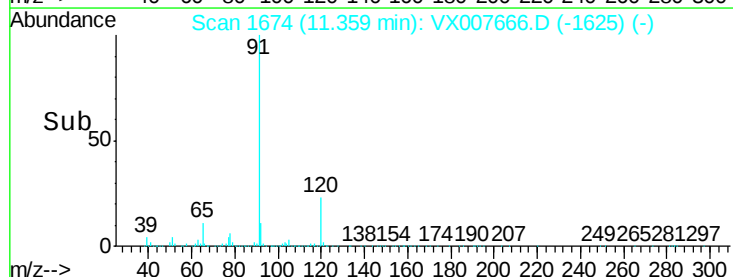
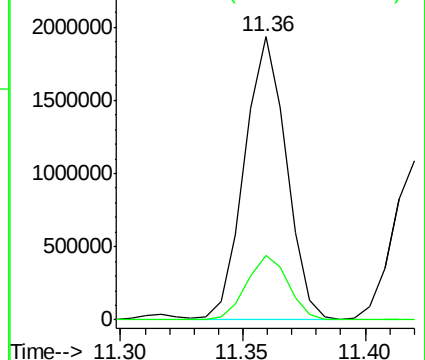
91 100

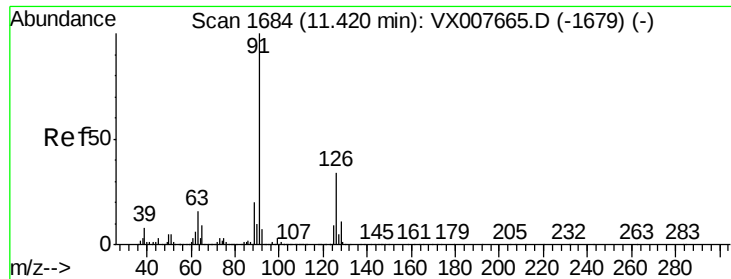
120 23.1 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

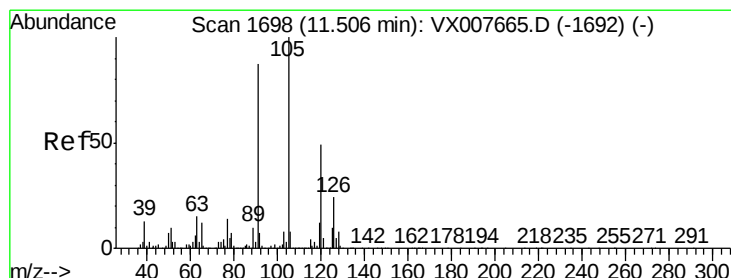
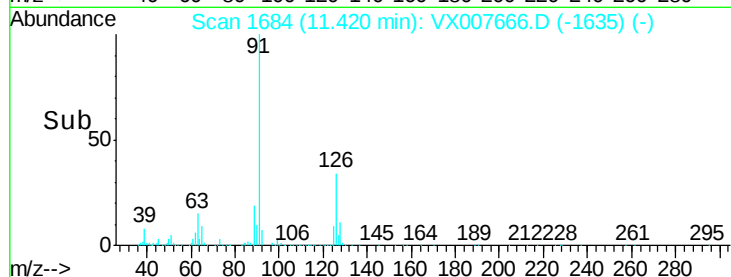
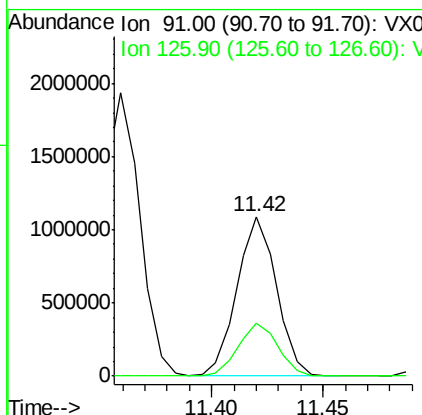
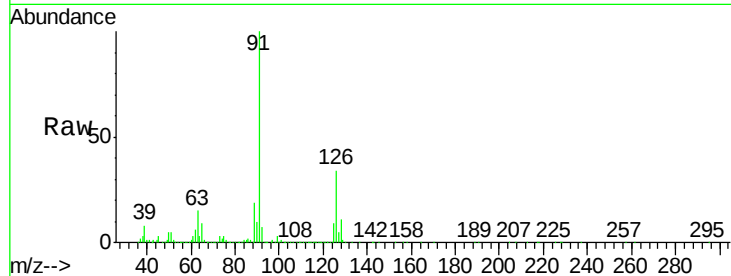




#79
 2-Chlorotoluene
 Concen: 98.016 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

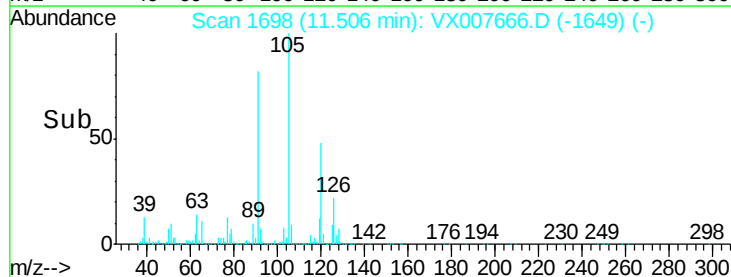
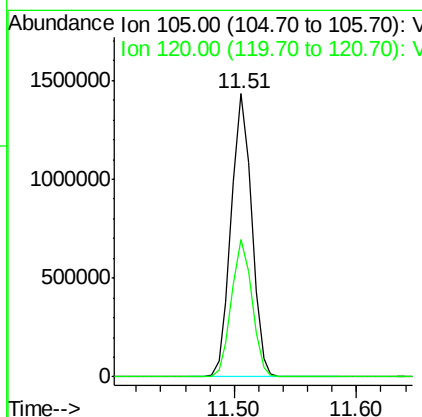
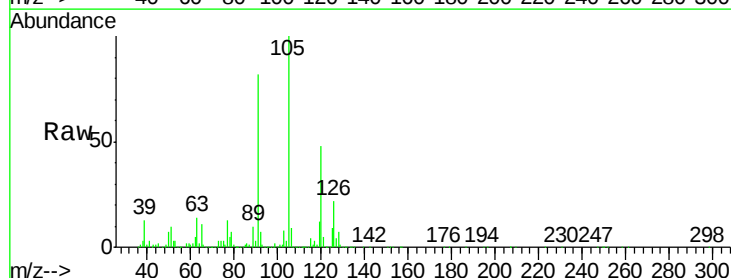
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

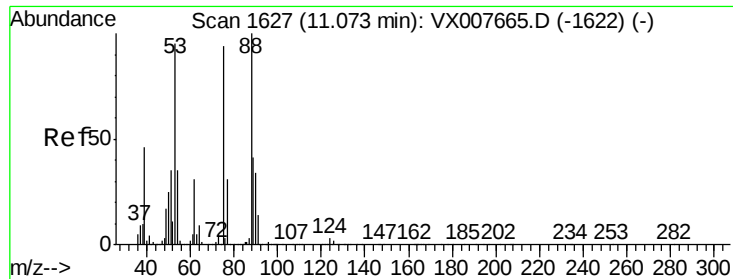
Tot Ion: 91 Resp: 1346346
 Ion Ratio Lower Upper
 91 100
 126 33.7 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 99.546 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Tgt Ion: 105 Resp: 1653022
 Ion Ratio Lower Upper
 105 100
 120 48.5 25.3 75.8

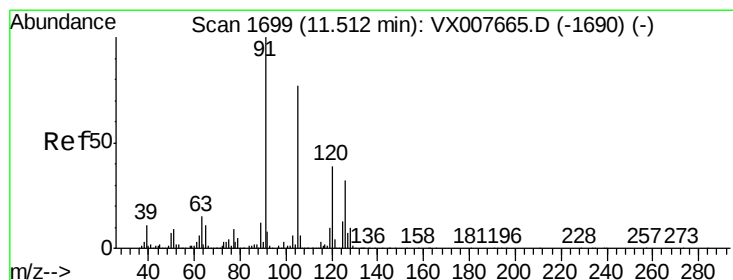
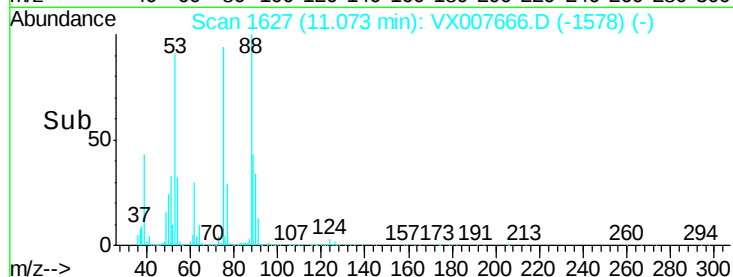
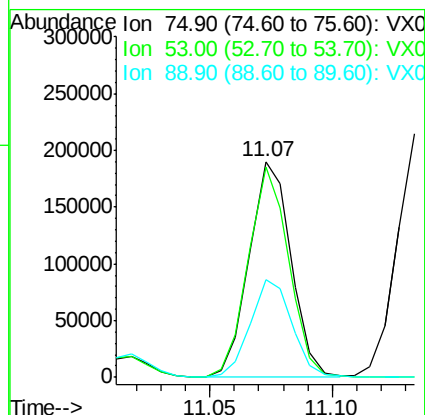
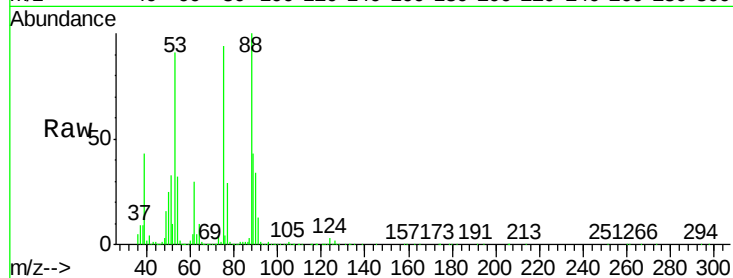




#81
trans-1,4-Dichloro-2-butene
Concen: 113.607 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

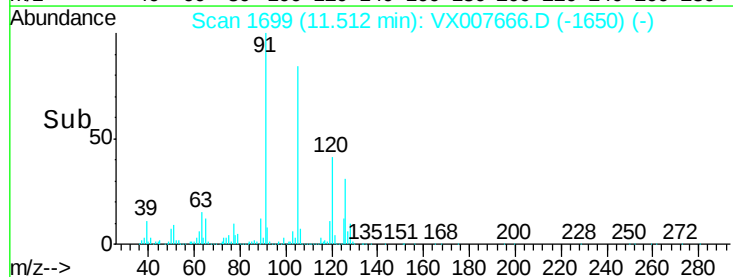
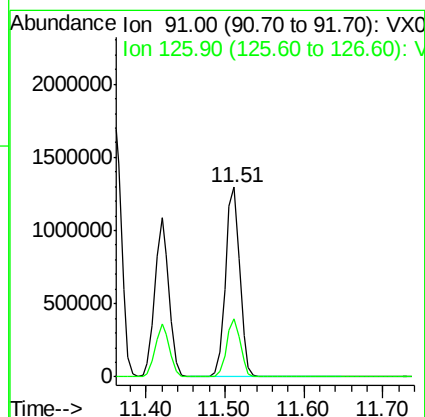
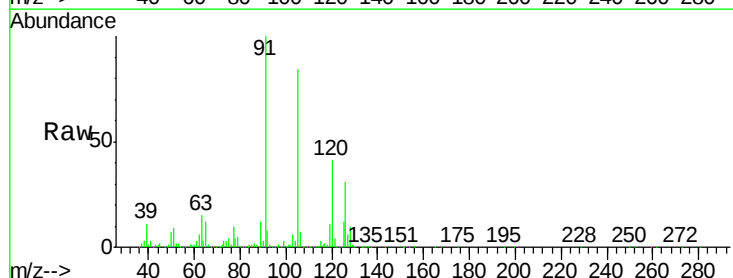
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

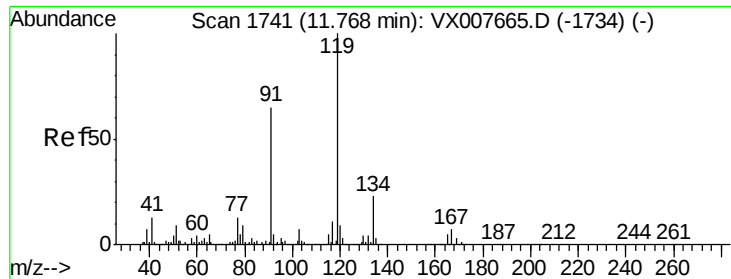
Tot Ion: 75 Resp: 226272
Ion Ratio Lower Upper
75 100
53 95.0 81.0 121.6
89 45.8 41.4 62.0



#82
4-Chlorotoluene
Concen: 101.505 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion: 91 Resp: 1631049
Ion Ratio Lower Upper
91 100
126 29.8 16.2 48.5

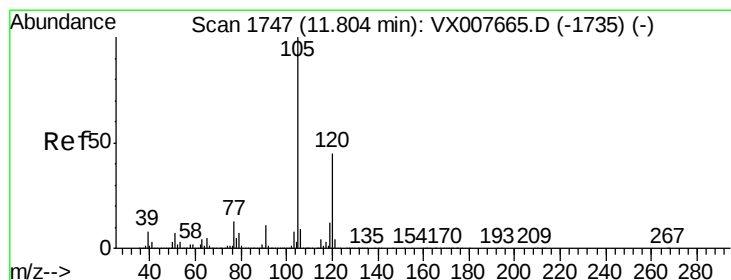
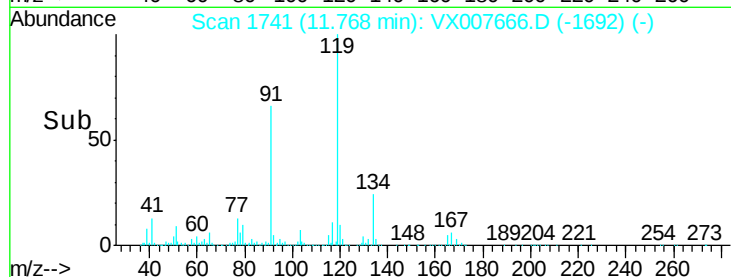
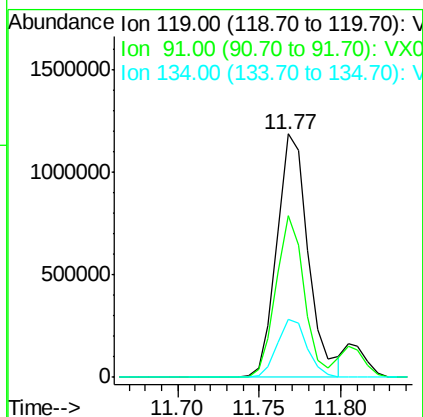
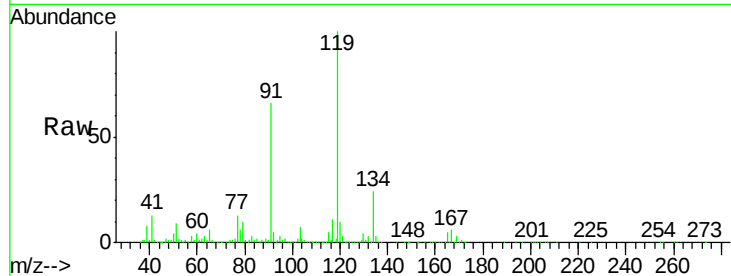




#83
tert-Butylbenzene
Concen: 99.782 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

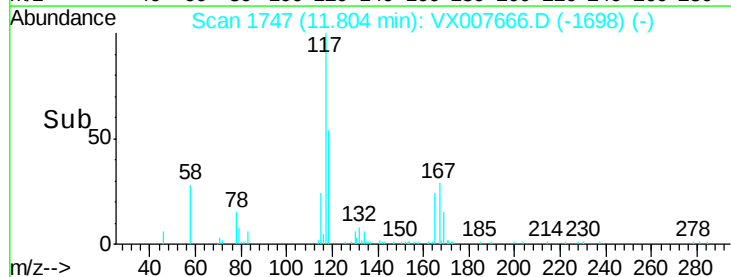
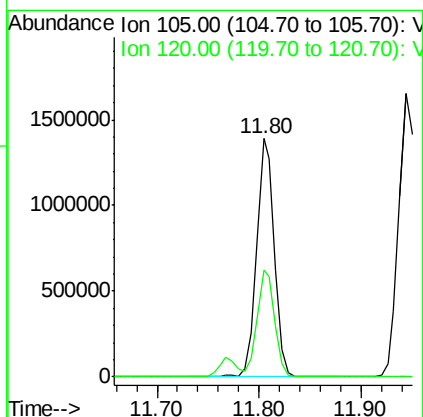
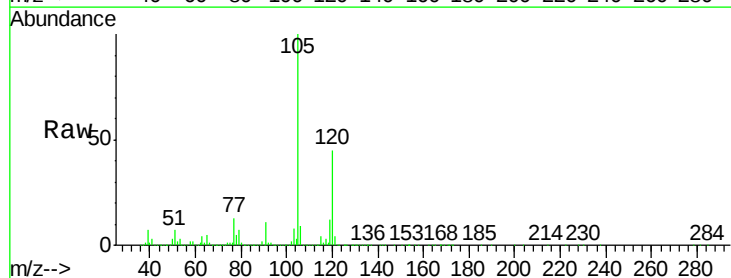
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

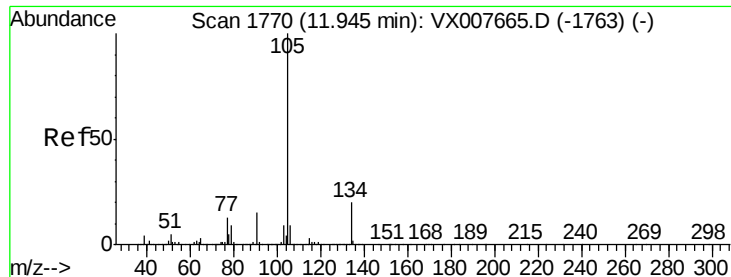
Tot Ion:119 Resp: 1590891
Ion Ratio Lower Upper
119 100
91 59.8 28.5 85.6
134 22.6 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 100.310 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion:105 Resp: 1703851
Ion Ratio Lower Upper
105 100
120 44.2 23.1 69.3





#85

sec-Butylbenzene

Concen: 100.018 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

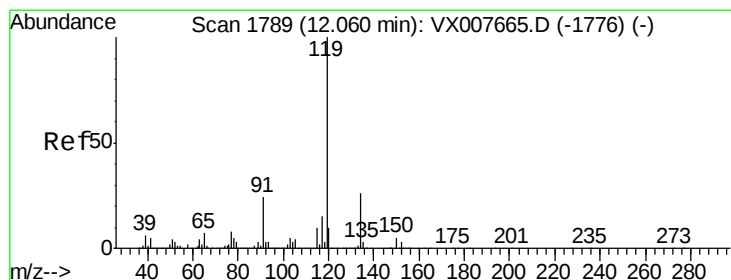
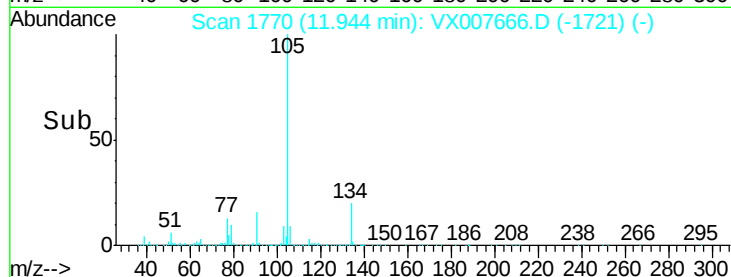
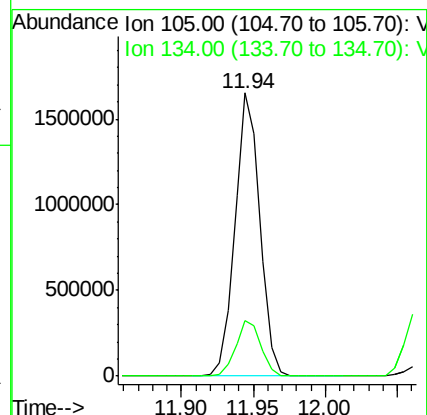
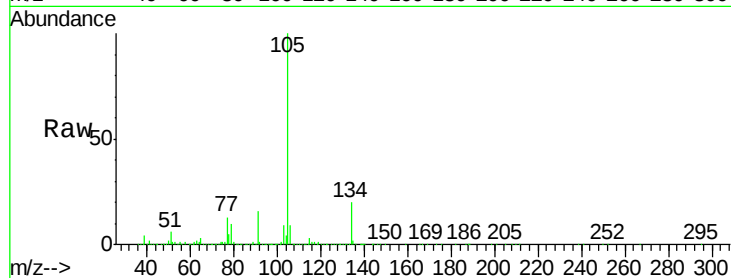
VSTDIC100

Tot Ion:105 Resp: 1998284

Ion Ratio Lower Upper

105 100

134 19.9 10.6 31.8



#86

p-Isopropyltoluene

Concen: 100.722 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

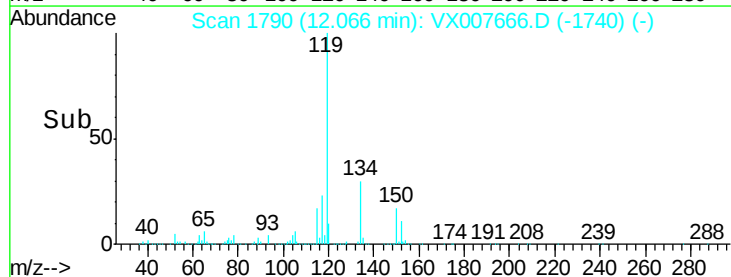
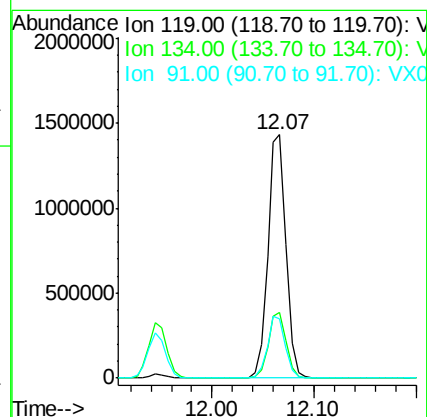
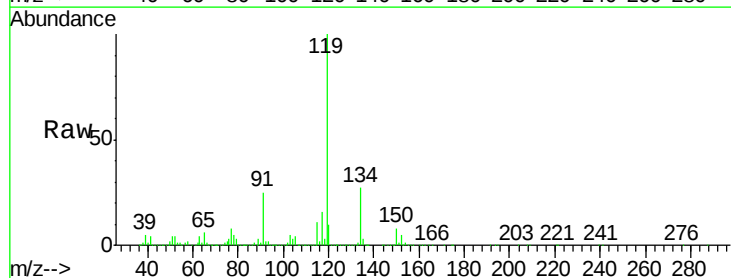
Tgt Ion:119 Resp: 1762331

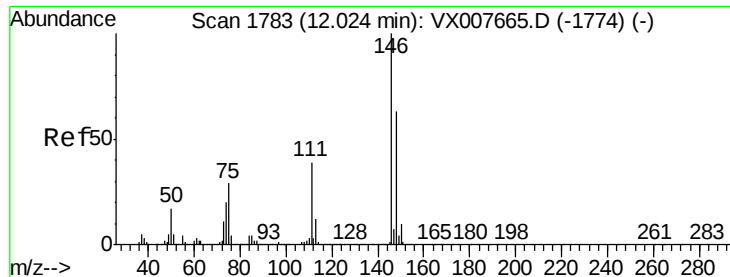
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.1

91 25.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 95.269 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

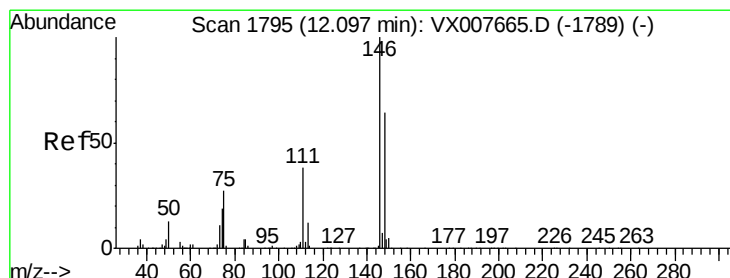
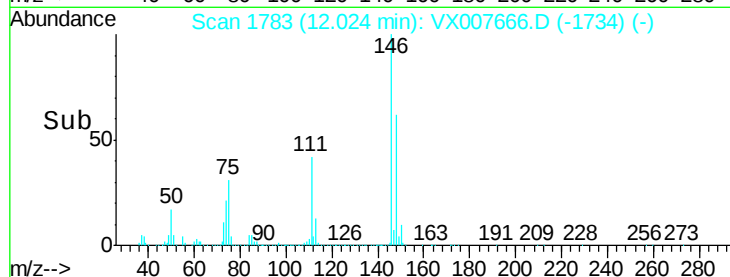
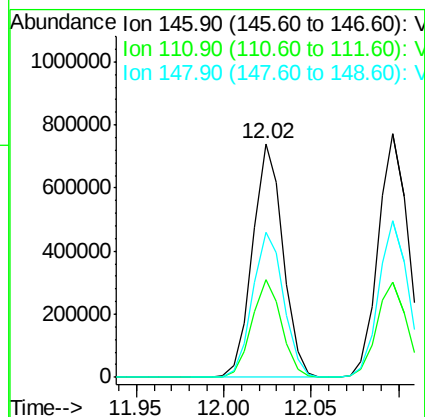
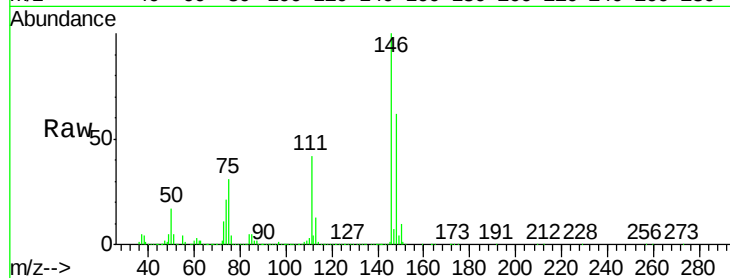
Tot Ion:146 Resp: 894799

Ion Ratio Lower Upper

146 100

111 40.8 18.1 54.1

148 63.5 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 95.303 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

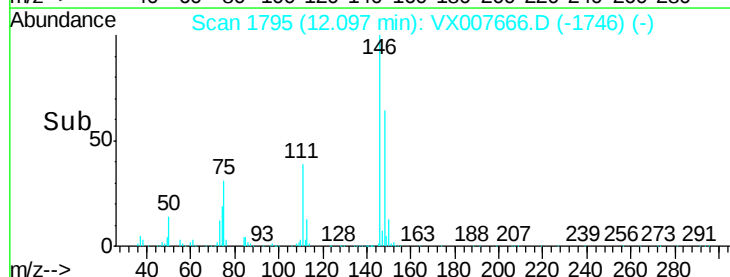
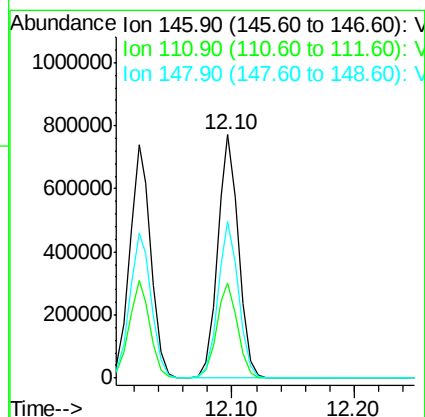
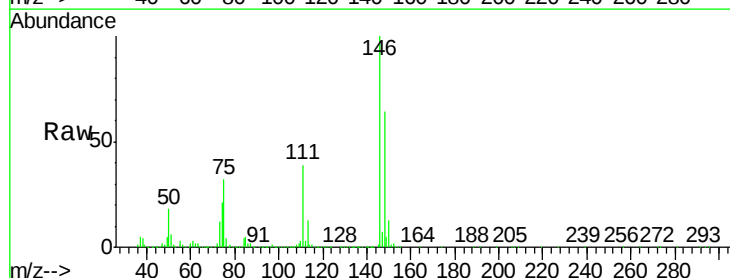
Tgt Ion:146 Resp: 916731

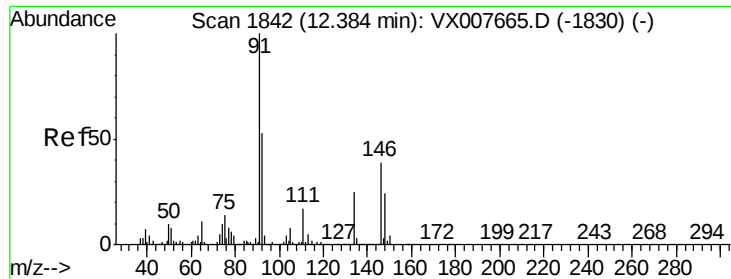
Ion Ratio Lower Upper

146 100

111 39.3 18.1 54.1

148 63.6 32.3 96.9

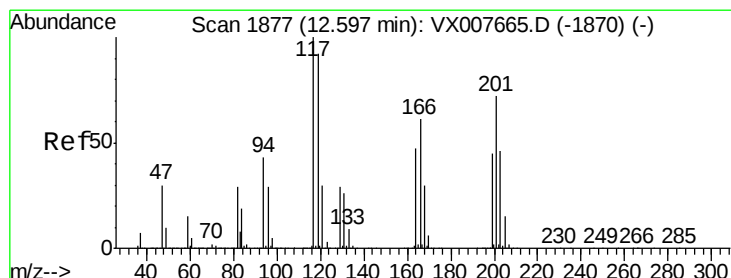
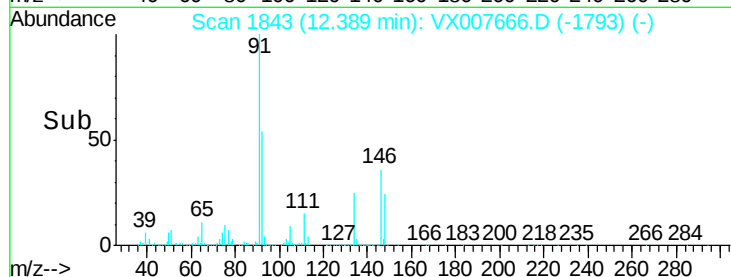
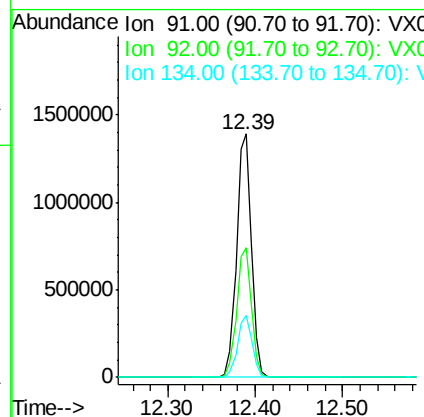
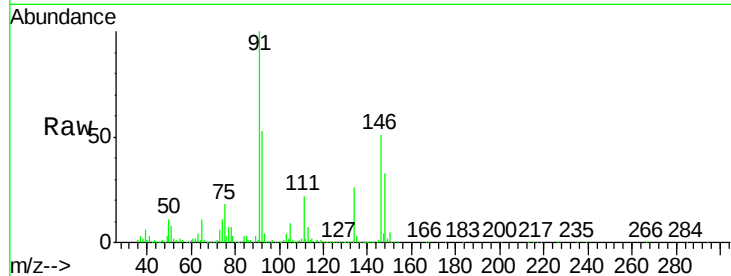




#89
n-Butylbenzene
Concen: 105.692 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

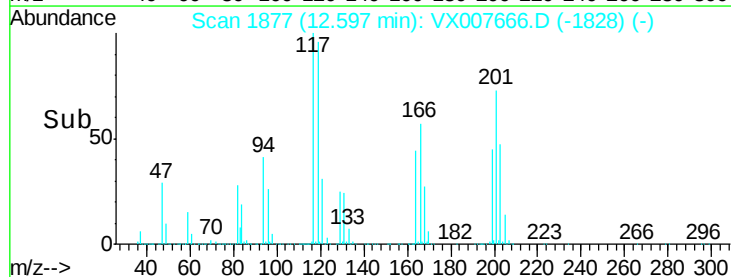
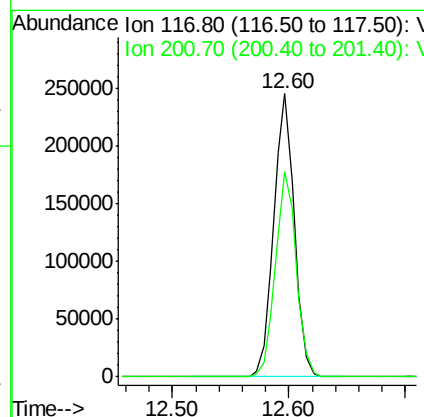
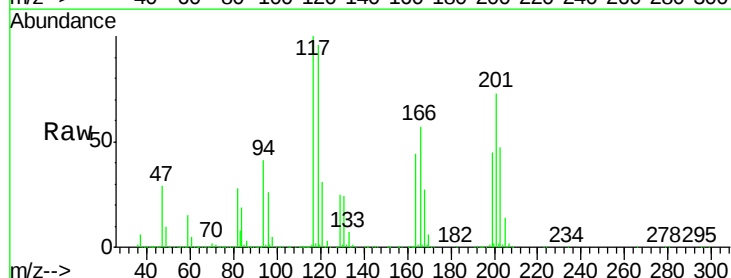
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

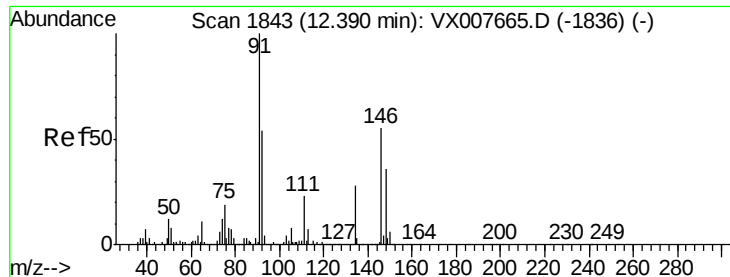
Tot Ion: 91 Resp: 1649247
Ion Ratio Lower Upper
91 100
92 53.4 26.3 78.9
134 25.3 13.9 41.6



#90
Hexachloroethane
Concen: 102.251 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007666.D
Acq: 25 Feb 2019 11:34

Tgt Ion: 117 Resp: 301449
Ion Ratio Lower Upper
117 100
201 73.5 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 93.934 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

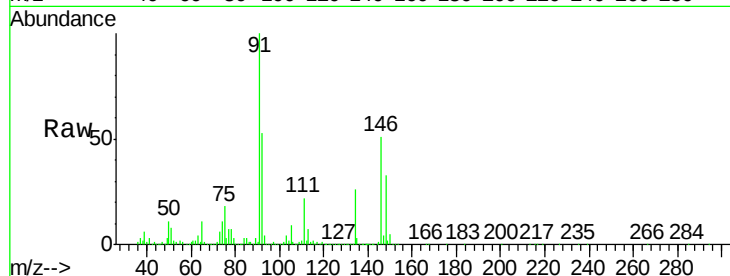
Tot Ion:146 Resp: 882758

Ion Ratio Lower Upper

146 100

111 42.4 19.1 57.3

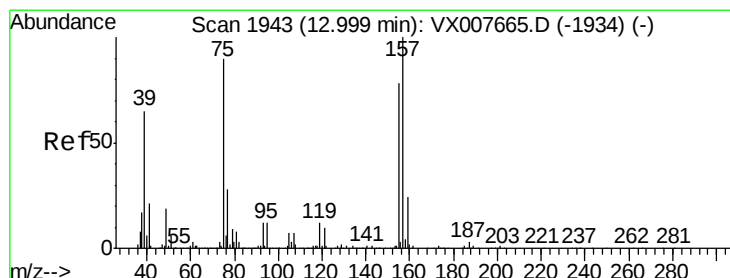
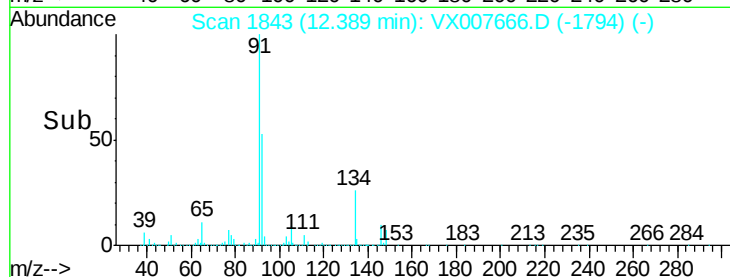
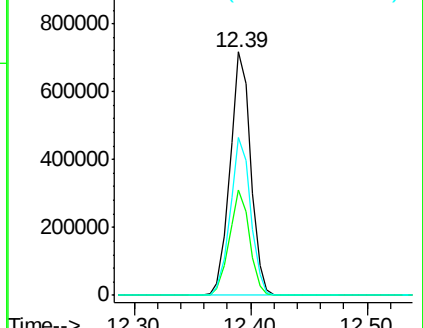
148 64.5 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 98.305 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

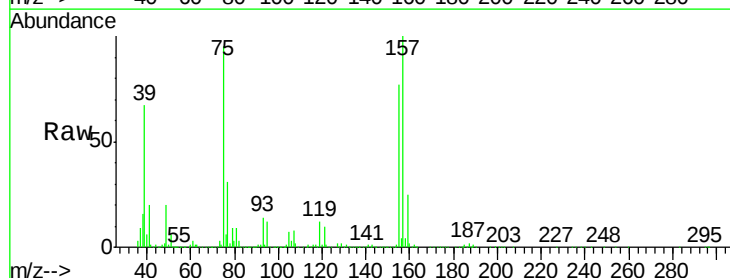
Tgt Ion: 75 Resp: 149557

Ion Ratio Lower Upper

75 100

155 84.9 49.6 149.0

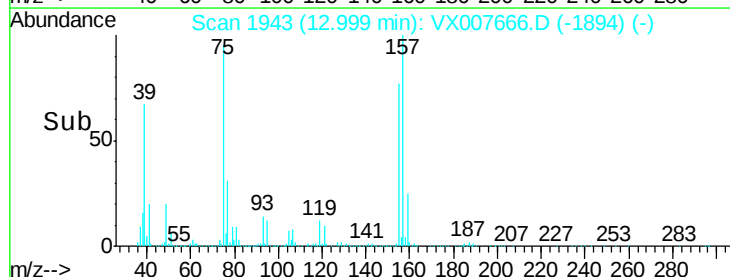
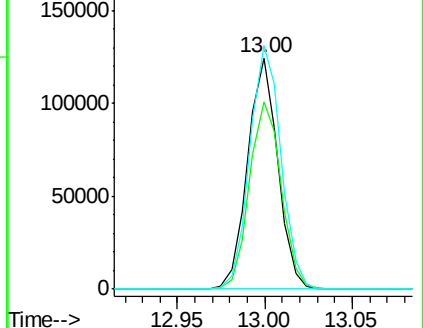
157 109.1 65.1 195.3

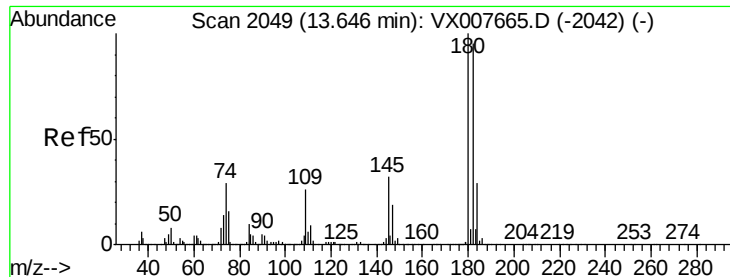


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

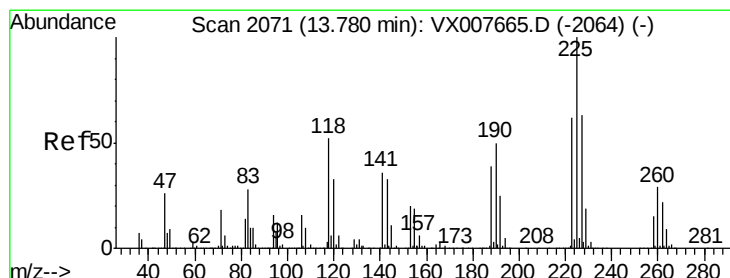
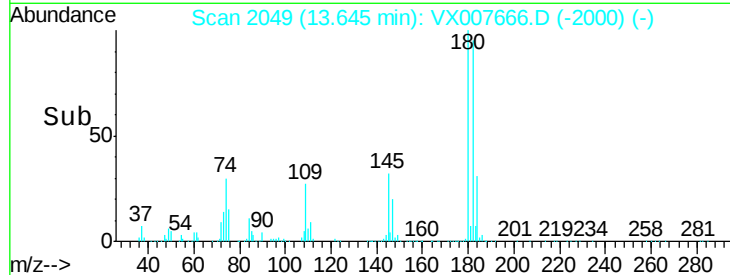
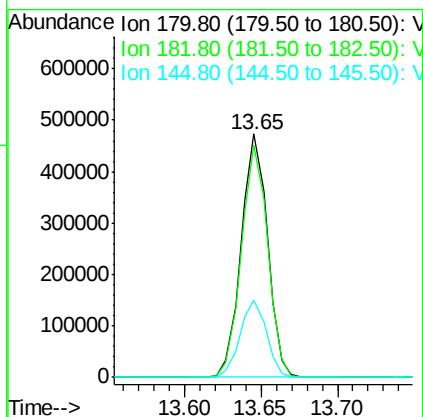
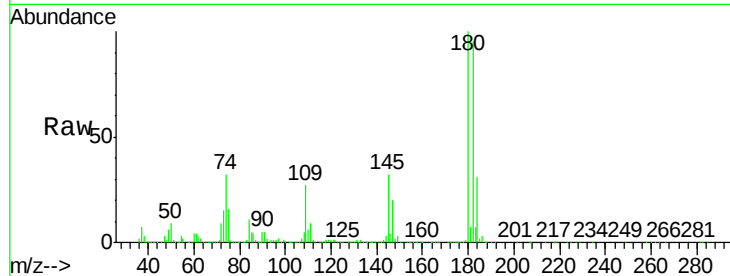




#93
 1,2,4-Trichlorobenzene
 Concen: 98.147 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

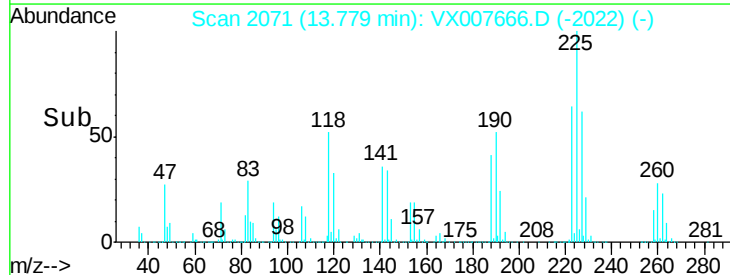
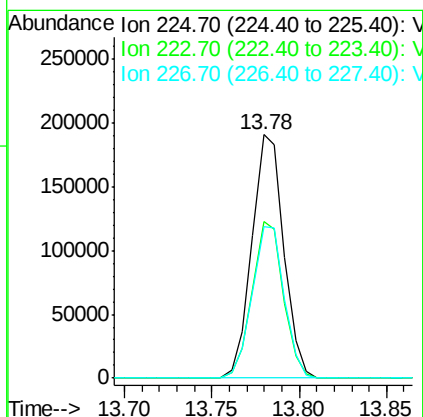
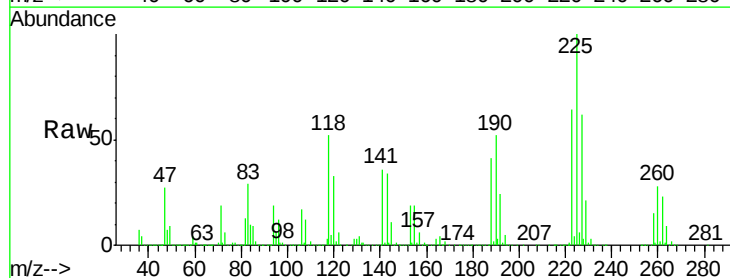
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

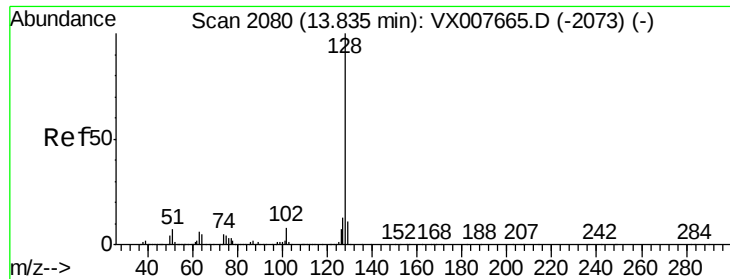
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	32.0	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 91.867 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007666.D
 Acq: 25 Feb 2019 11:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.6	94.8
227	63.2	32.1	96.3





#95

Naphthalene

Concen: 103.153 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

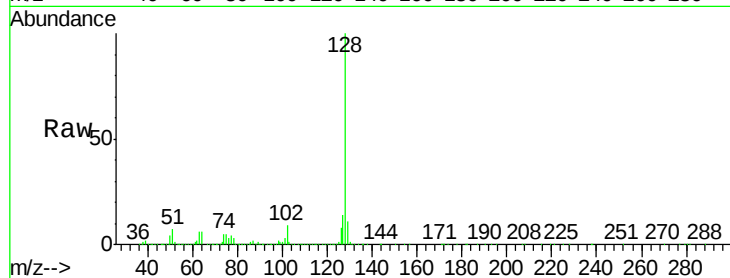
Tot Ion:128 Resp: 1917124

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

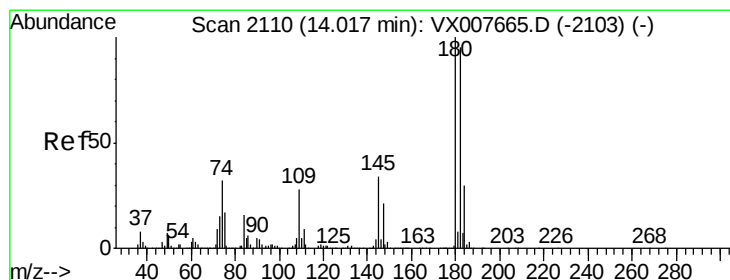
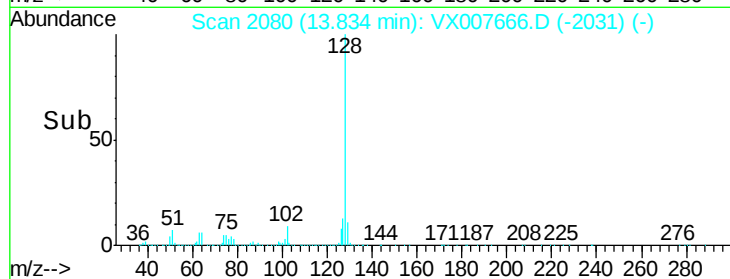
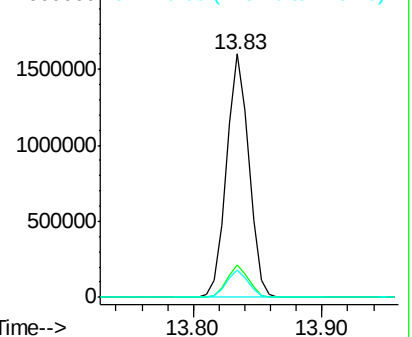
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 96.230 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX007666.D

Acq: 25 Feb 2019 11:34

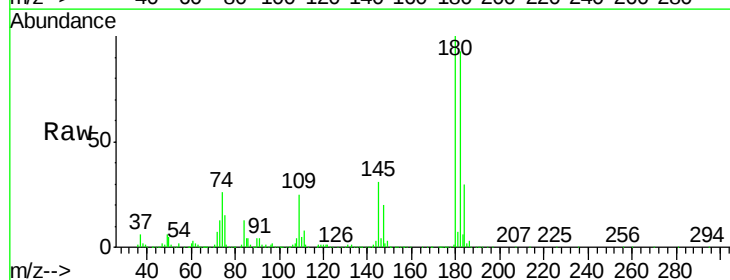
Tgt Ion:180 Resp: 554278

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.6

145 33.6 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

