

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081519\
 Data File : VX011565.D
 Acq On : 15 Aug 2019 18:27
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 16 03:53:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	403303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	549681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	500459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270927	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	75028	18.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.12%	
35) Dibromofluoromethane	5.49	113	73108	21.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.22%	
50) Toluene-d8	8.71	98	226856	18.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.04%	
62) 4-Bromofluorobenzene	11.13	95	93134	19.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	88294	23.343	ug/l	100
3) Chloromethane	1.32	50	78692	21.009	ug/l	99
4) Vinyl Chloride	1.40	62	74021	19.715	ug/l	97
5) Bromomethane	1.64	94	35663	17.324	ug/l	97
6) Chloroethane	1.72	64	36249	15.850	ug/l	99
7) Trichlorofluoromethane	1.92	101	98536	15.922	ug/l	97
8) Diethyl Ether	2.18	74	34872	16.269	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69550	19.099	ug/l	98
10) Methyl Iodide	2.50	142	97842	20.236	ug/l	99
11) Tert butyl alcohol	3.04	59	89191	89.364	ug/l	99
12) 1,1-Dichloroethene	2.37	96	64707	18.233	ug/l	98
13) Acrolein	2.29	56	26379	50.932	ug/l	96
14) Allyl chloride	2.72	41	111594	20.983	ug/l	99
15) Acrylonitrile	3.14	53	210837	102.851	ug/l	100
16) Acetone	2.43	43	181265	93.916	ug/l	99
17) Carbon Disulfide	2.56	76	152047	16.886	ug/l	98
18) Methyl Acetate	2.76	43	117467	24.774	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	226054	19.483	ug/l	97
20) Methylene Chloride	2.85	84	75372	18.471	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	71378	18.840	ug/l	96
22) Diisopropyl ether	3.85	45	228499	20.463	ug/l	97
23) Vinyl Acetate	3.81	43	909577	97.766	ug/l	99
24) 1,1-Dichloroethane	3.69	63	125231	19.479	ug/l	99
25) 2-Butanone	4.67	43	297170	105.323	ug/l	95
26) 2,2-Dichloropropane	4.58	77	94298	18.145	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	81492	18.481	ug/l	97
28) Bromochloromethane	5.01	49	56987	18.946	ug/l	98
29) Tetrahydrofuran	5.12	42	191965	106.340	ug/l	99
30) Chloroform	5.20	83	132804	19.162	ug/l	100
31) Cyclohexane	5.57	56	111699	19.174	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	115704	19.328	ug/l	99
36) 1,1-Dichloropropene	5.79	75	94815	20.764	ug/l	99
37) Ethyl Acetate	4.83	43	109797	23.079	ug/l	99
38) Carbon Tetrachloride	5.78	117	101310	21.116	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	115252	19.626	ug/l	95
40) Benzene	6.14	78	294225	21.022	ug/l	100
41) Methacrylonitrile	5.04	41	62320	22.805	ug/l	98
42) 1,2-Dichloroethane	6.18	62	103185	21.036	ug/l	100
43) Isopropyl Acetate	6.44	43	166701	21.438	ug/l	99
44) Trichloroethene	7.21	130	86171	20.773	ug/l	100
45) 1,2-Dichloropropane	7.51	63	73272	20.496	ug/l	99
46) Dibromomethane	7.66	93	51160	20.211	ug/l	99
47) Bromodichloromethane	7.90	83	95535	20.971	ug/l	97
48) Methyl methacrylate	7.77	41	83567	21.832	ug/l	100
49) 1,4-Dioxane	7.74	88	43780	415.473	ug/l	100
51) 4-Methyl-2-Pentanone	8.63	43	566326	111.894	ug/l	100
52) Toluene	8.78	92	187825	20.513	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	98489	20.173	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	111497	20.583	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	79395	20.976	ug/l	98
56) Ethyl methacrylate	9.18	69	117341	21.155	ug/l	100
57) 1,3-Dichloropropane	9.37	76	127955	21.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	297376	111.538	ug/l	99
59) 2-Hexanone	9.49	43	436476	111.543	ug/l	100
60) Dibromochloromethane	9.58	129	82781	21.380	ug/l	99
61) 1,2-Dibromoethane	9.67	107	83995	20.888	ug/l	100
64) Tetrachloroethene	9.34	164	80027	20.049	ug/l	97
65) Chlorobenzene	10.13	112	212685	20.392	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	78691	21.353	ug/l	100
67) Ethyl Benzene	10.25	91	358606	20.362	ug/l	99
68) m/p-Xylenes	10.35	106	279884	41.282	ug/l	98
69) o-Xylene	10.69	106	136130	20.643	ug/l	97
70) Styrene	10.71	104	228835	20.762	ug/l	99
71) Bromoform	10.85	173	65282	21.956	ug/l #	99
73) Isopropylbenzene	11.02	105	361080	19.703	ug/l	100
74) N-amyl acetate	10.90	43	146365	20.720	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	122149	20.298	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	131130	26.472	ug/l	86
77) Bromobenzene	11.25	156	104924	20.510	ug/l	100
78) n-propylbenzene	11.36	91	390941	19.386	ug/l	99
79) 2-Chlorotoluene	11.42	91	240102	19.726	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	307401	20.093	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	31494	17.691	ug/l	91
82) 4-Chlorotoluene	11.51	91	274693	19.432	ug/l	100
83) tert-Butylbenzene	11.77	119	310472	20.523	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	308977	20.005	ug/l	100
85) sec-Butylbenzene	11.94	105	348474	19.817	ug/l	99
86) p-Isopropyltoluene	12.06	119	329778	20.175	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	179006	20.232	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	183015	20.214	ug/l	99
89) n-Butylbenzene	12.38	91	265334	19.156	ug/l	100
90) Hexachloroethane	12.59	117	49435	19.248	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	181709	20.707	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26734	21.034	ug/l	96

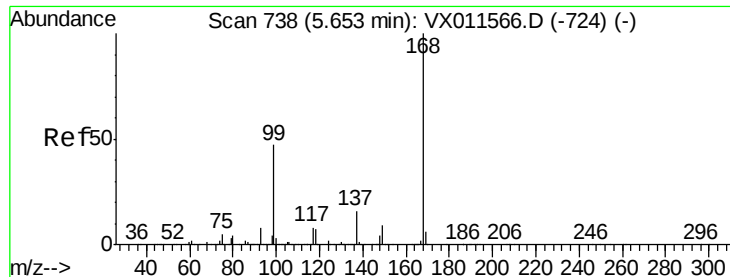
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081519\
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Quant Title : SW846 8260
QLast Update : Fri Aug 16 03:49:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	131507	21.712	ug/l	100
94) Hexachlorobutadiene	13.78	225	72340	23.624	ug/l	99
95) Naphthalene	13.83	128	385773	21.688	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133556	22.075	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

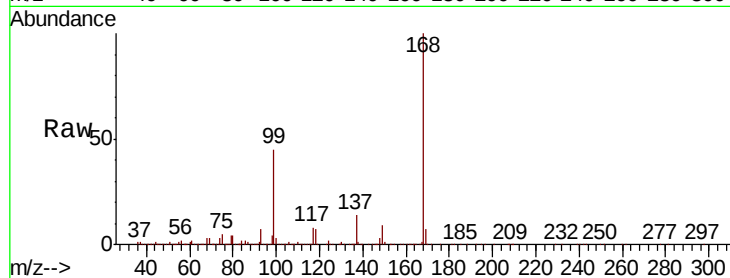
VSTDIC020

Tgt Ion:168 Resp: 403303

Ion Ratio Lower Upper

168 100

99 45.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

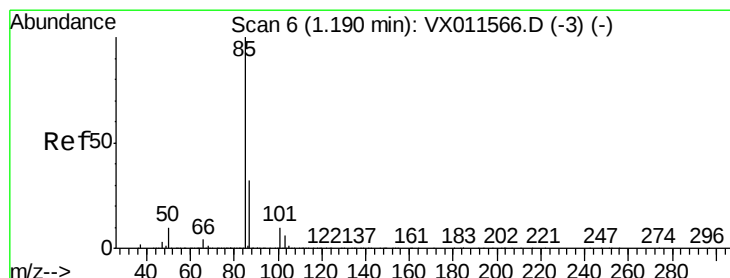
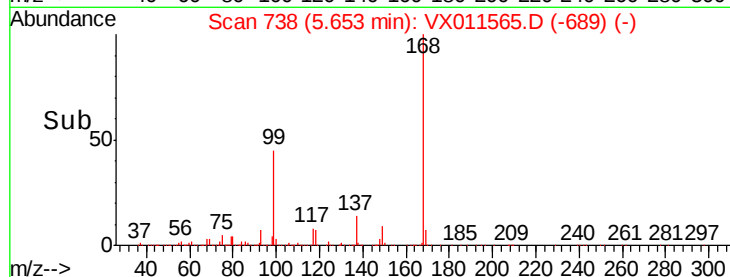
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.343 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011565.D

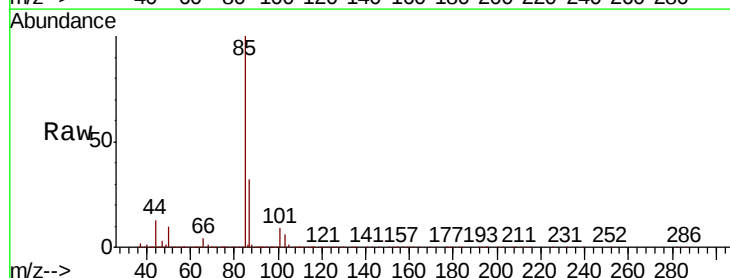
Acq: 15 Aug 2019 18:27

Tgt Ion: 85 Resp: 88294

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

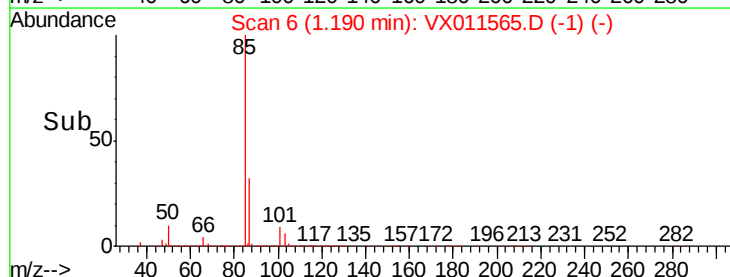
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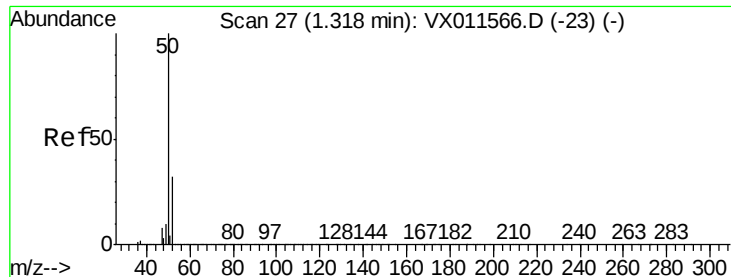
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1.15 1.20 1.25 1.30

Time-->

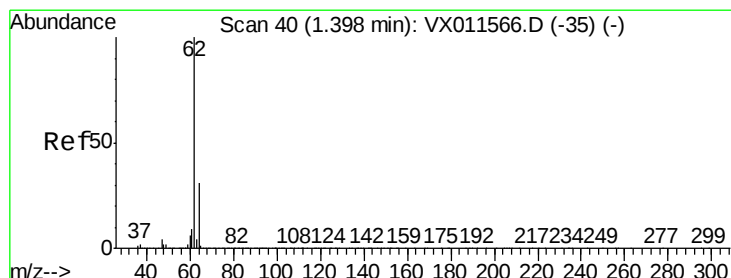
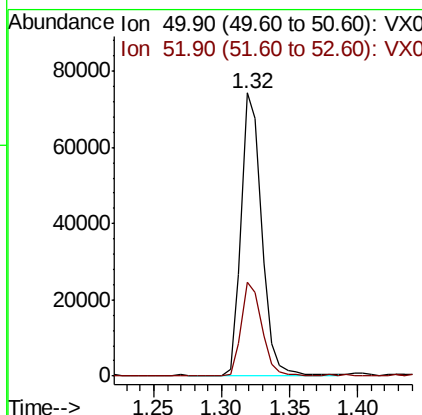
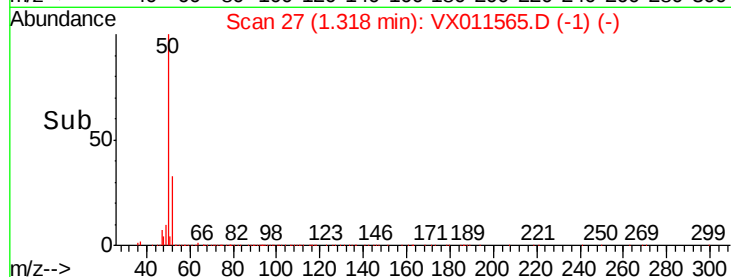
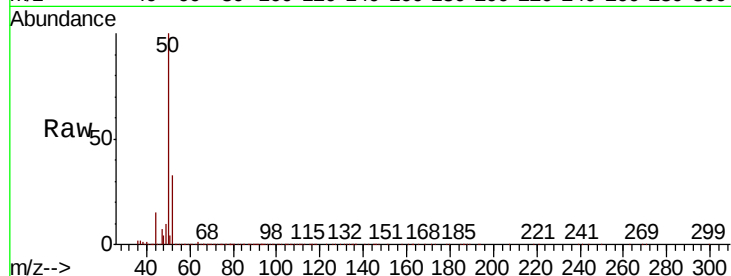




#3
Chloromethane
Concen: 21.009 ug/l
RT: 1.32 min Scan# 27
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

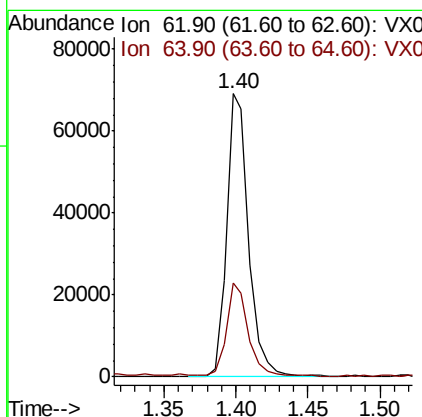
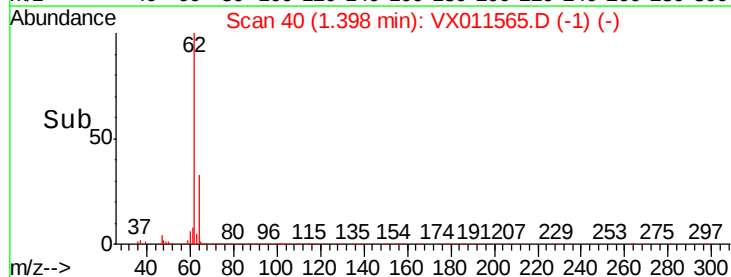
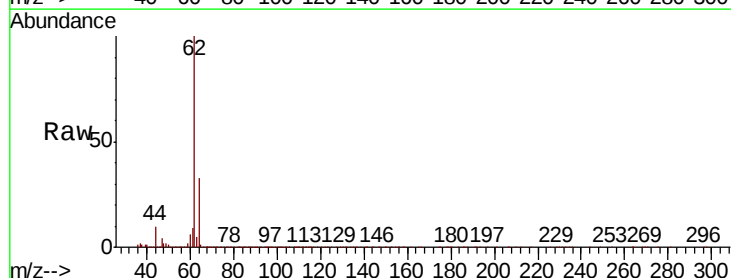
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

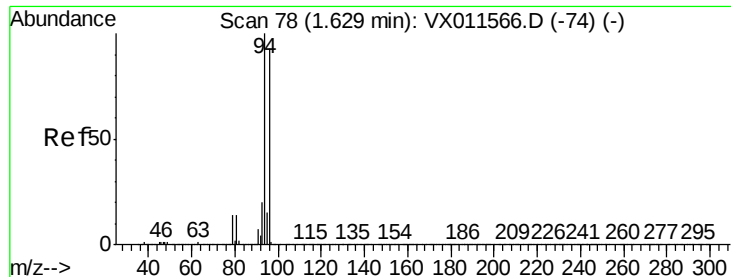
Tgt Ion: 50 Resp: 78692
Ion Ratio Lower Upper
50 100
52 33.3 26.0 39.0



#4
Vinyl Chloride
Concen: 19.715 ug/l
RT: 1.40 min Scan# 40
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 62 Resp: 74021
Ion Ratio Lower Upper
62 100
64 33.0 25.0 37.4





#5

Bromomethane

Concen: 17.324 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

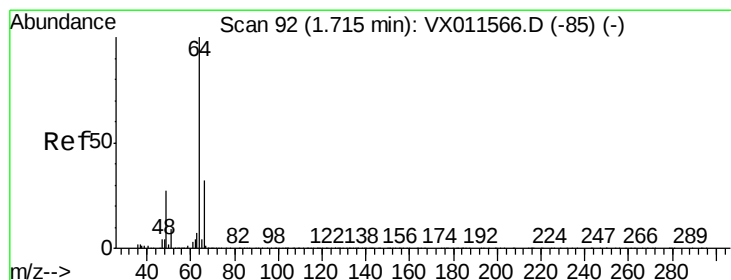
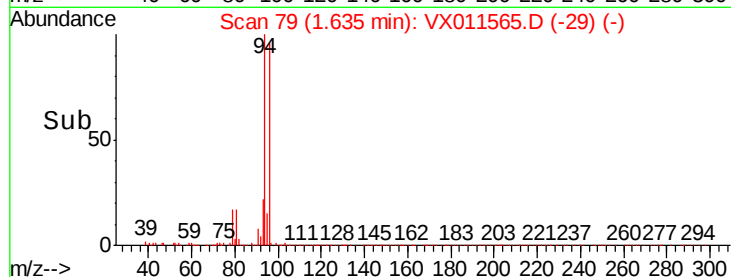
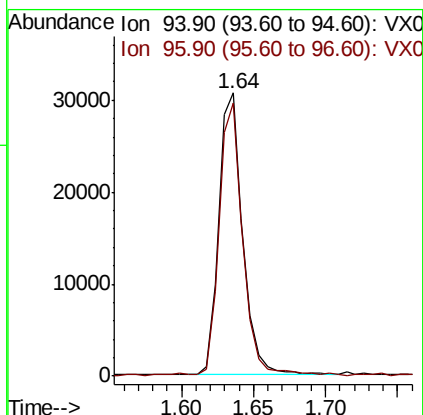
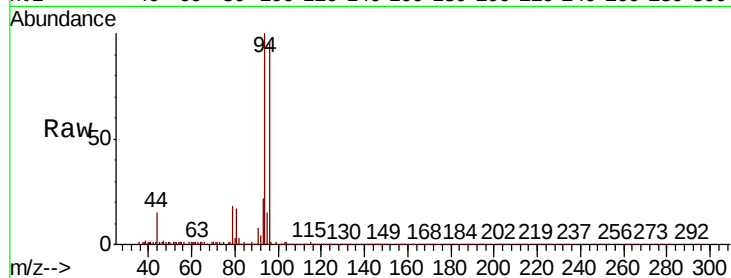
VSTDIC020

Tgt Ion: 94 Resp: 35663

Ion Ratio Lower Upper

94 100

96 96.4 74.8 112.2



#6

Chloroethane

Concen: 15.850 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011565.D

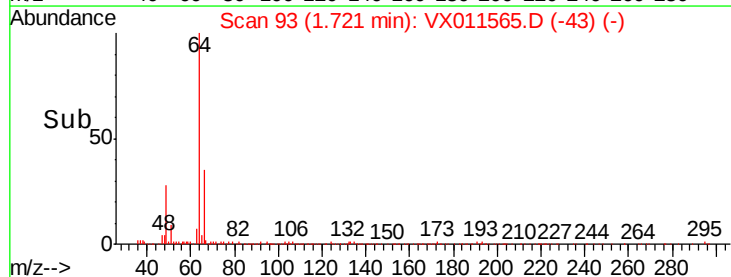
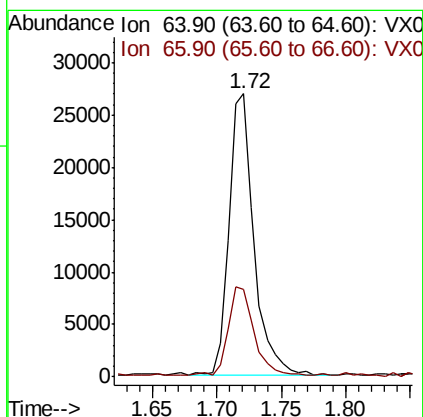
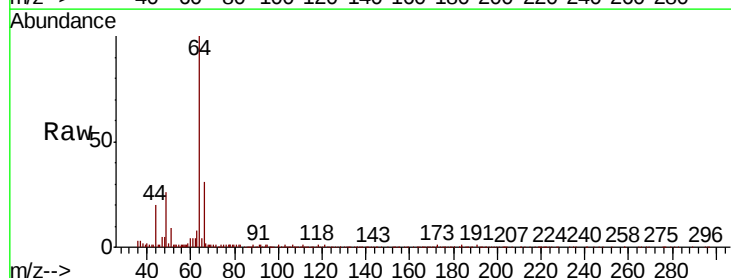
Acq: 15 Aug 2019 18:27

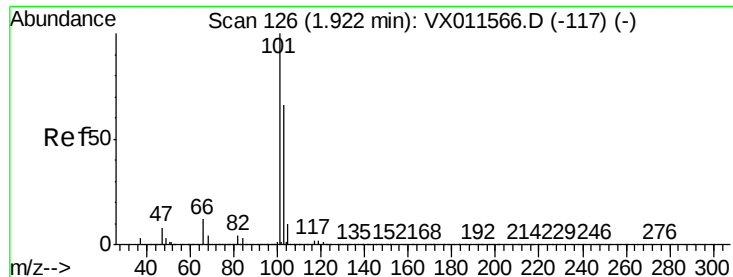
Tgt Ion: 64 Resp: 36249

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9



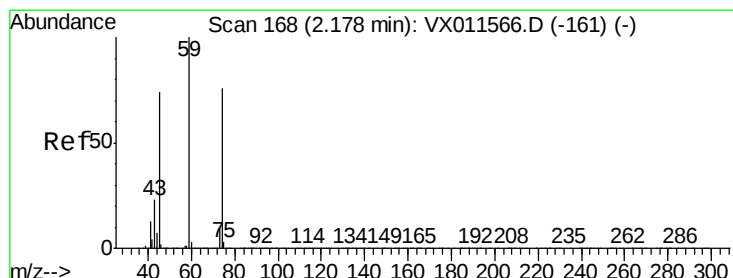
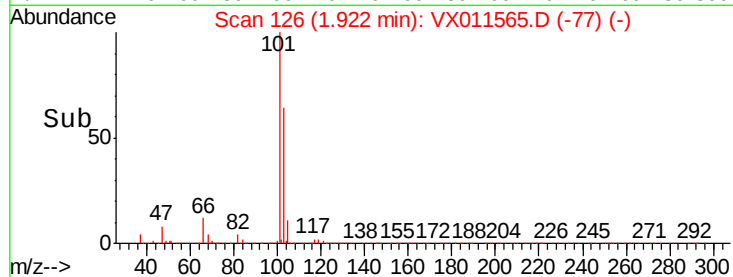
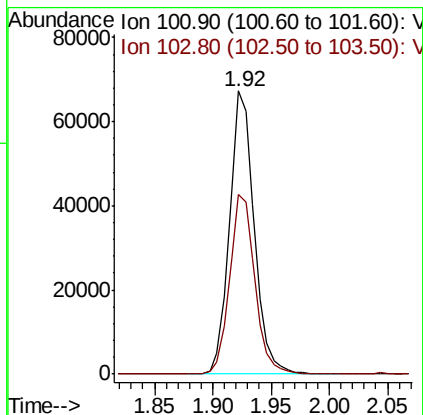
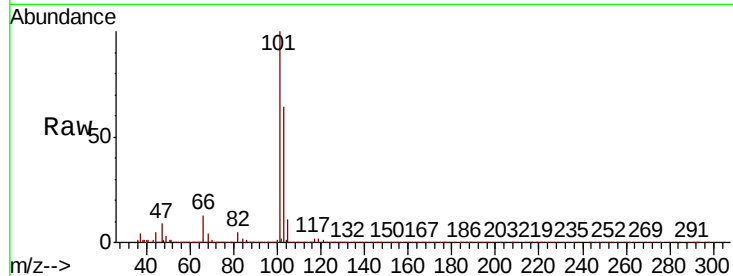


#7

Trichlorofluoromethane
 Concen: 15.922 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
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 ClientSampleId :
 VSTDIC020

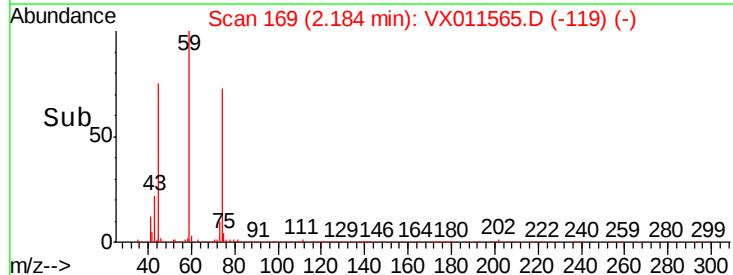
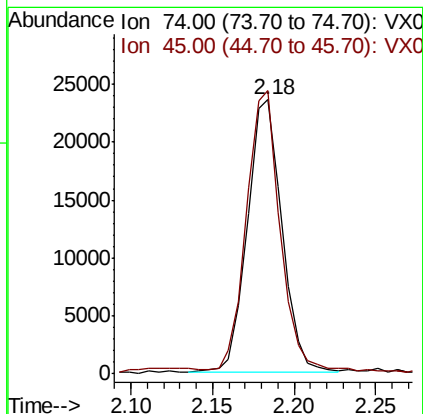
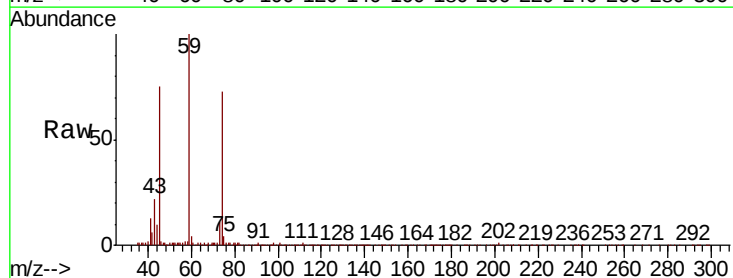
Tgt Ion:101 Resp: 98536
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.9 79.3

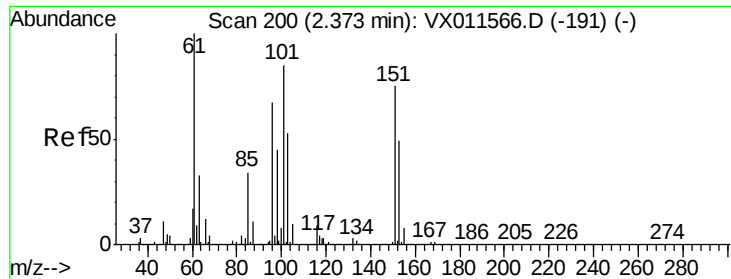


#8

Diethyl Ether
 Concen: 16.269 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.01 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion: 74 Resp: 34872
 Ion Ratio Lower Upper
 74 100
 45 102.1 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.099 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

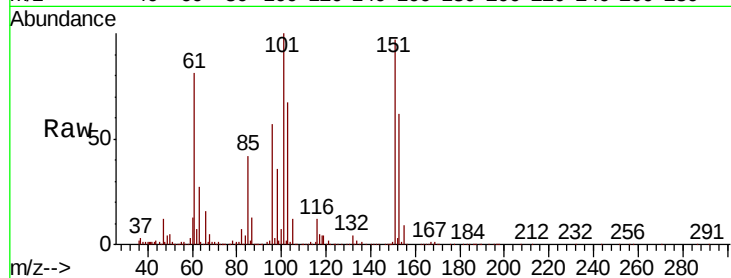
Tgt Ion:101 Resp: 69550

Ion Ratio Lower Upper

101 100

85 43.2 33.0 49.4

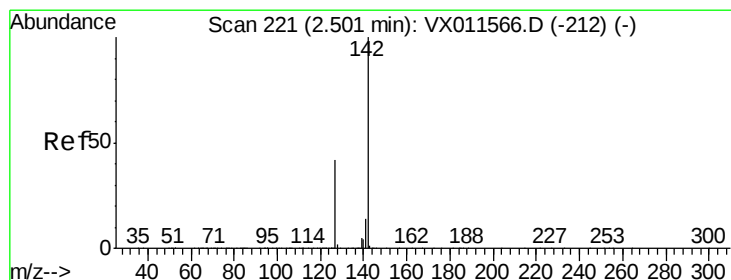
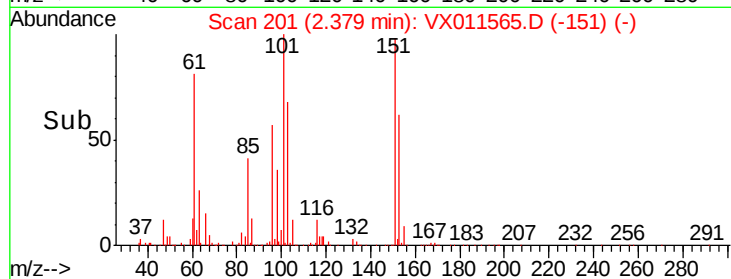
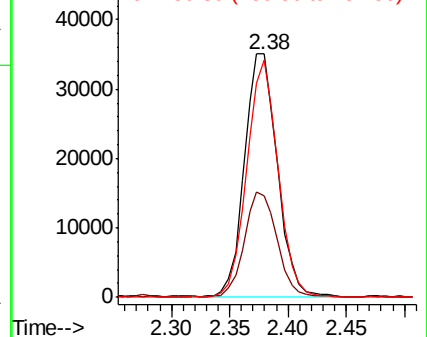
151 92.5 73.3 109.9



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: 20.236 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

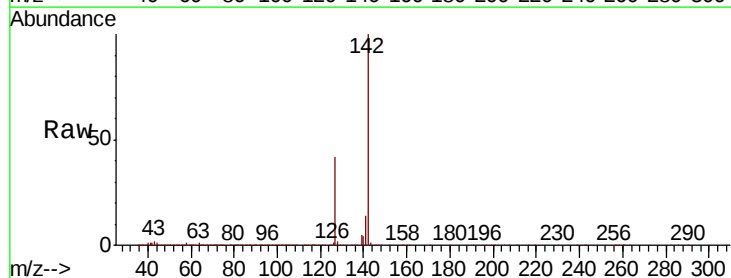
Tgt Ion:142 Resp: 97842

Ion Ratio Lower Upper

142 100

127 40.3 32.8 49.2

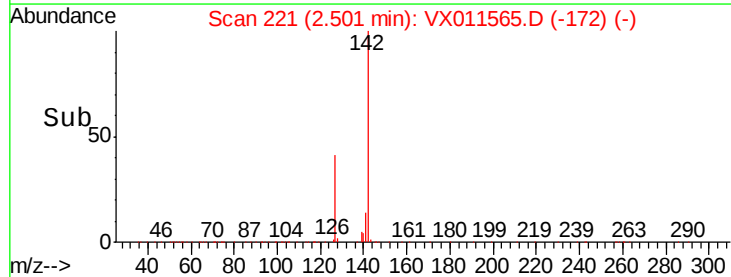
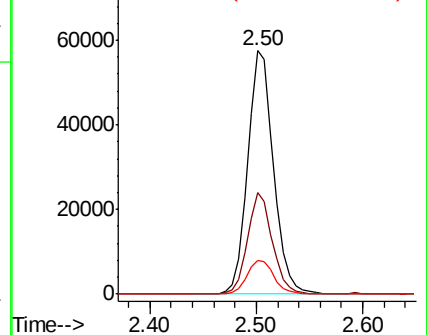
141 14.6 11.4 17.2

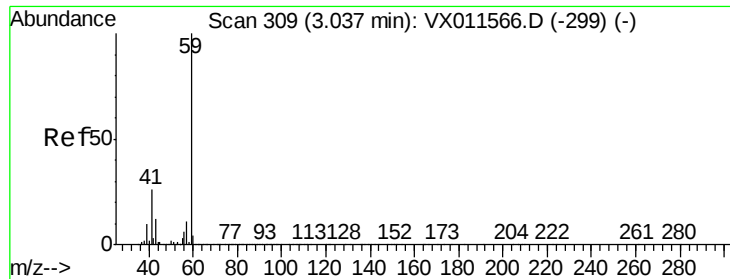


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

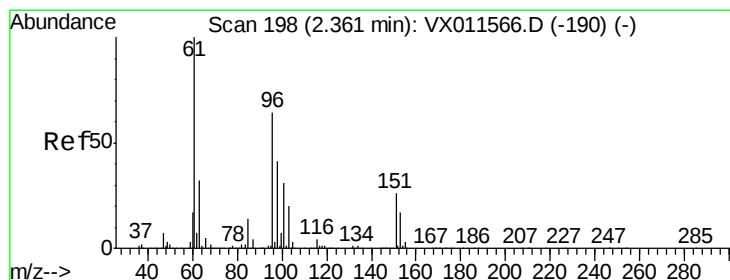
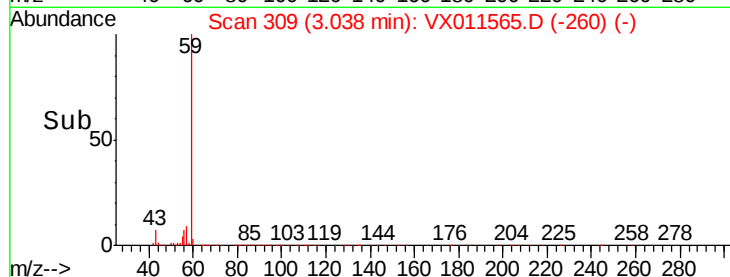
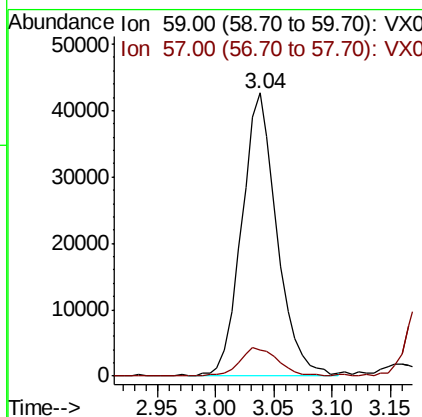
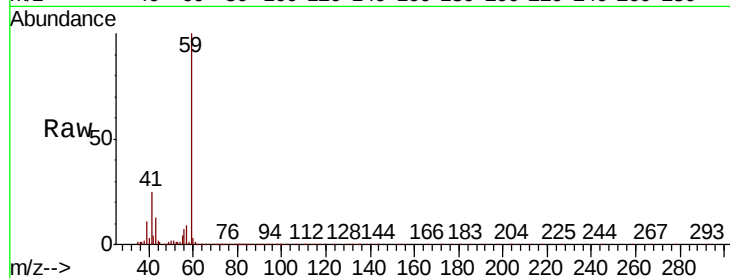




#11
Tert butyl alcohol
Concen: 89.364 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

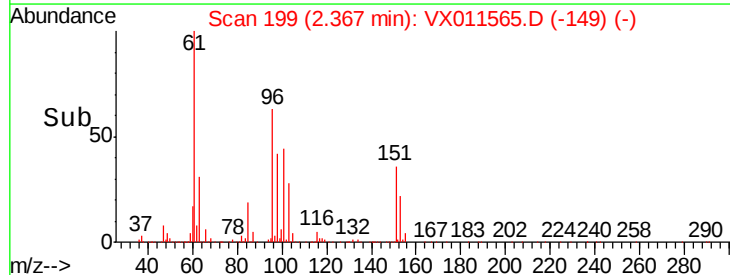
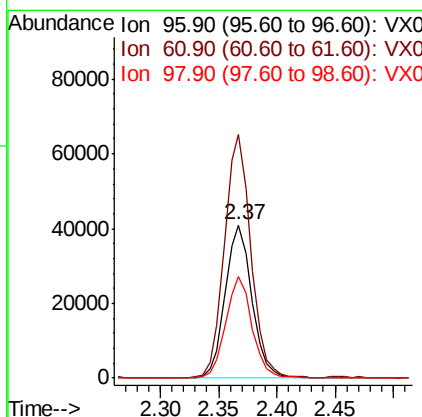
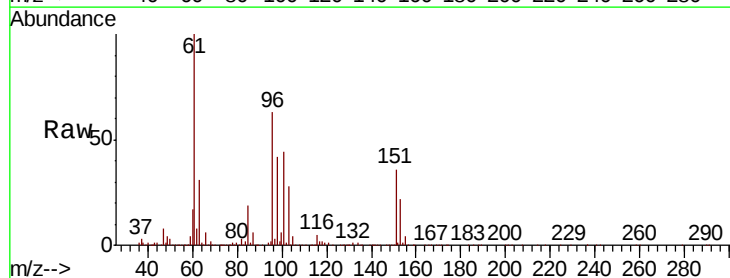
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

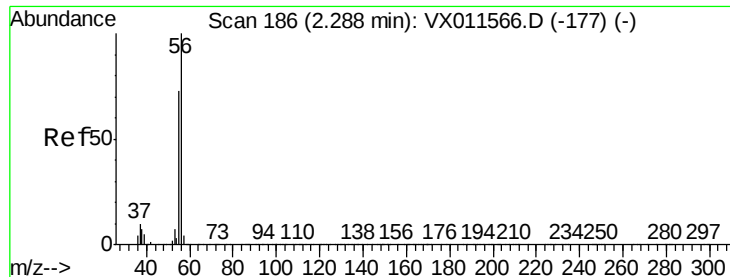
Tgt Ion: 59 Resp: 89191
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1



#12
1,1-Dichloroethene
Concen: 18.233 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 96 Resp: 64707
Ion Ratio Lower Upper
96 100
61 158.8 125.0 187.4
98 66.3 51.5 77.3





#13

Acrolein

Concen: 50.932 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

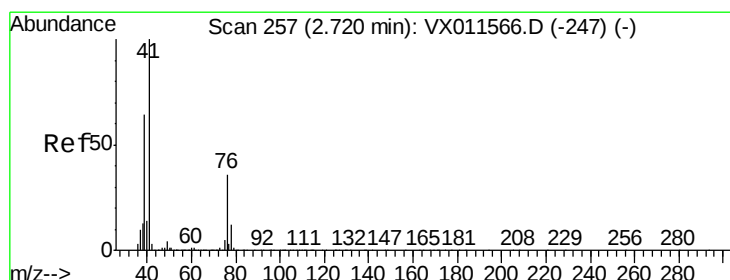
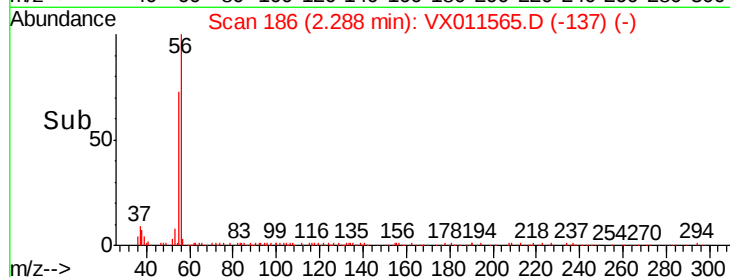
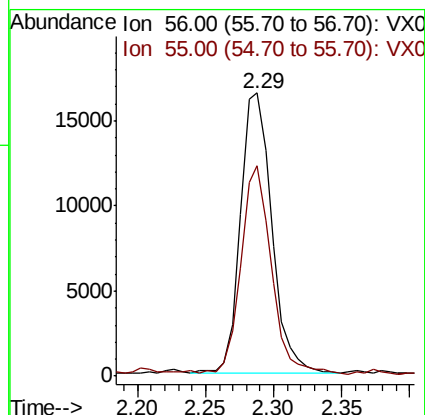
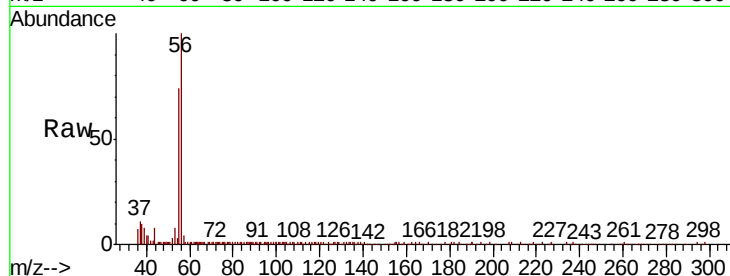
VSTDIC020

Tgt Ion: 56 Resp: 26379

Ion Ratio Lower Upper

56 100

55 72.4 55.5 83.3



#14

Allyl chloride

Concen: 20.983 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

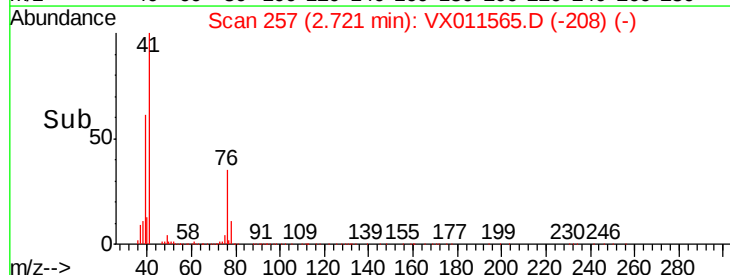
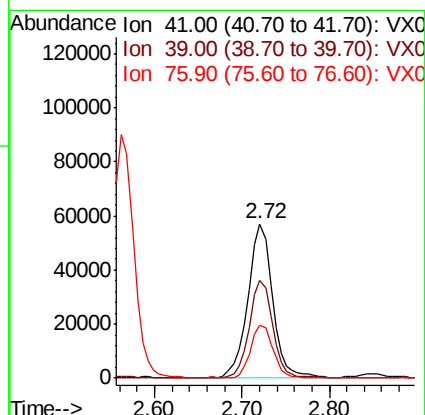
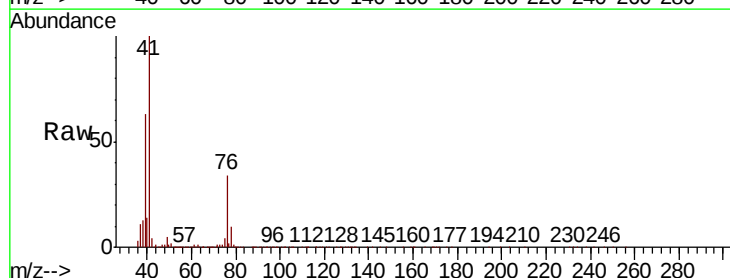
Tgt Ion: 41 Resp: 111594

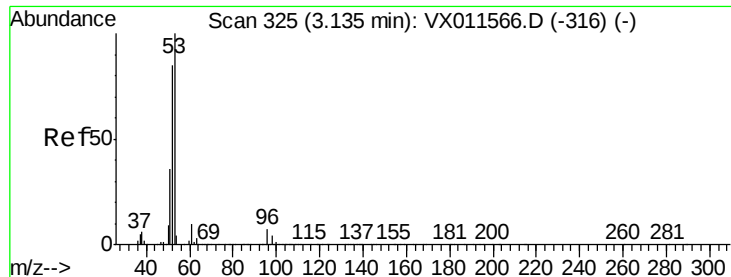
Ion Ratio Lower Upper

41 100

39 59.2 47.5 71.3

76 31.2 26.3 39.5





#15

Acrylonitrile

Concen: 102.851 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

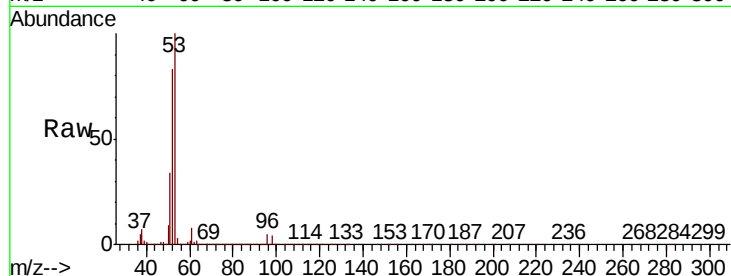
Tgt Ion: 53 Resp: 210837

Ion Ratio Lower Upper

53 100

52 83.0 66.7 100.1

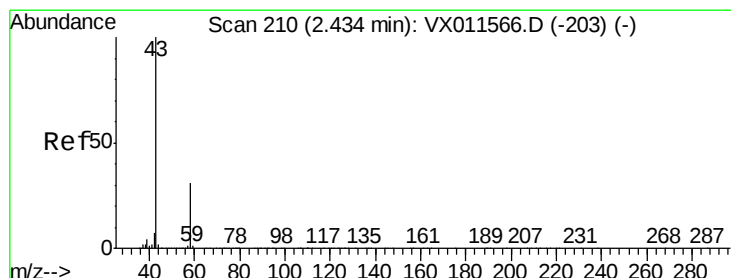
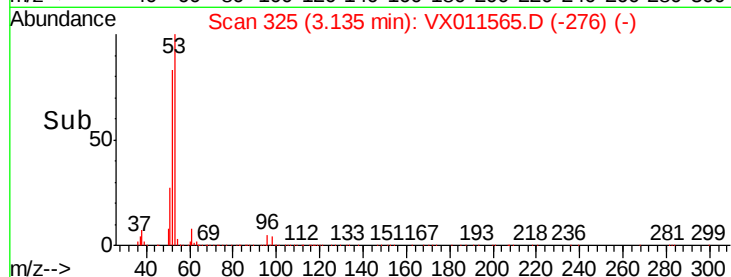
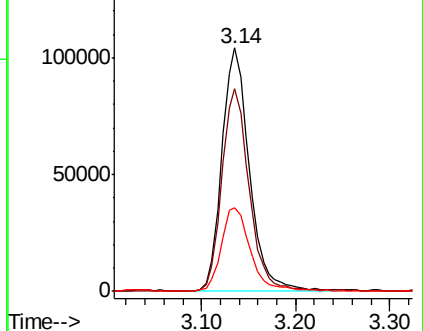
51 36.3 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 93.916 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011565.D

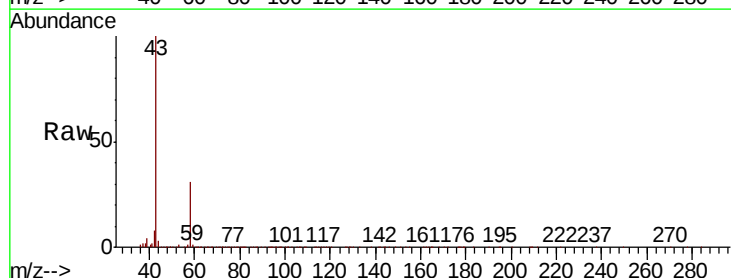
Acq: 15 Aug 2019 18:27

Tgt Ion: 43 Resp: 181265

Ion Ratio Lower Upper

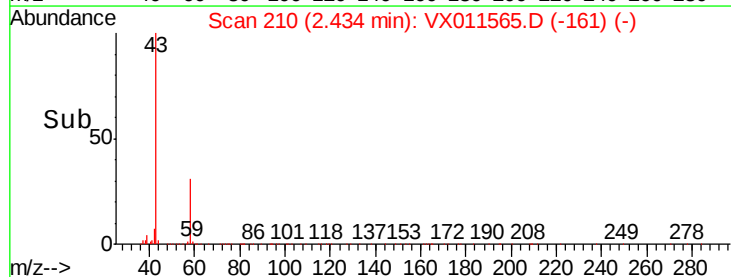
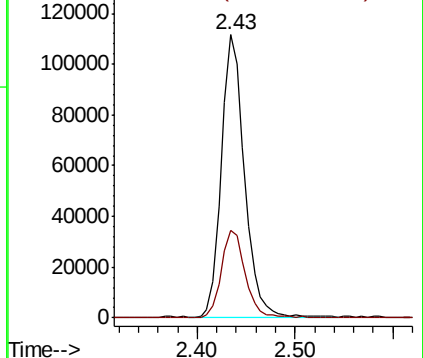
43 100

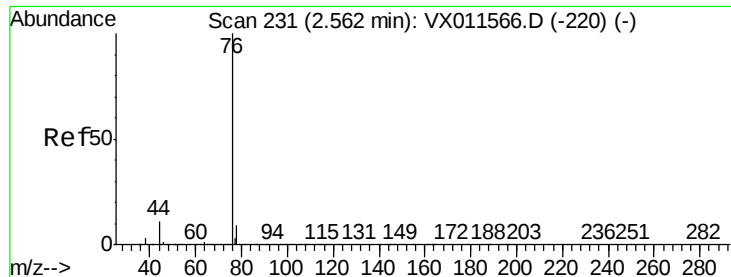
58 30.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.886 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

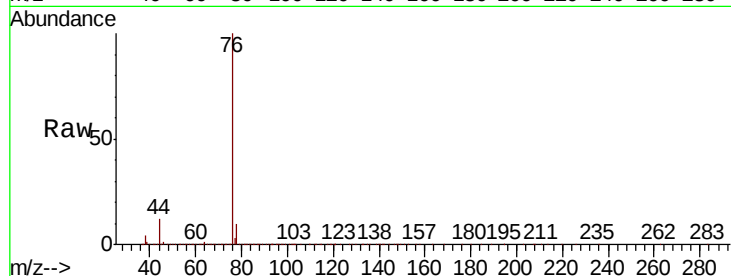
VSTDIC020

Tgt Ion: 76 Resp: 152047

Ion Ratio Lower Upper

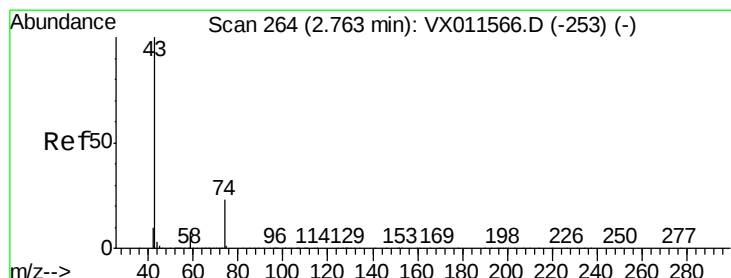
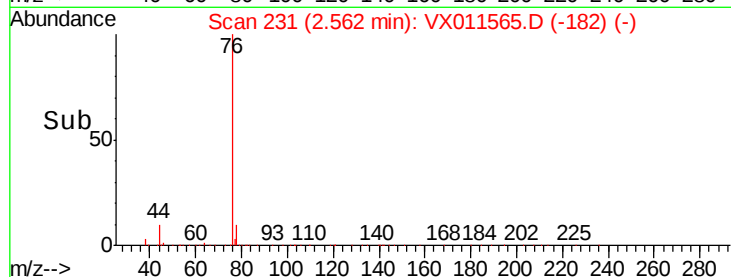
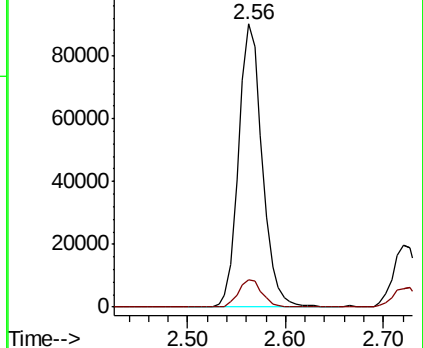
76 100

78 9.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.774 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011565.D

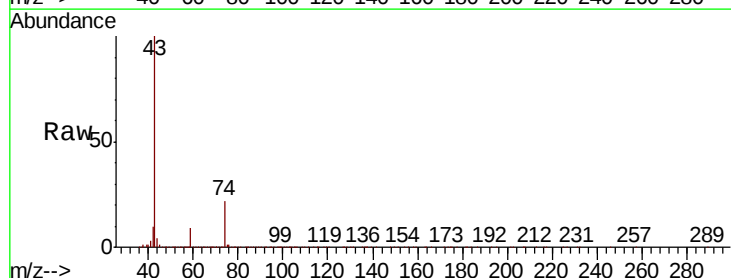
Acq: 15 Aug 2019 18:27

Tgt Ion: 43 Resp: 117467

Ion Ratio Lower Upper

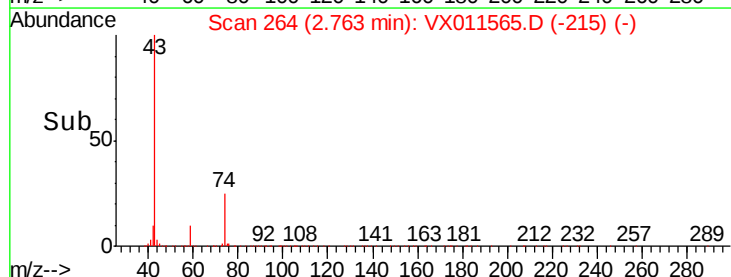
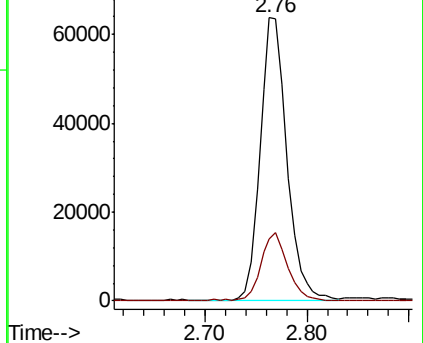
43 100

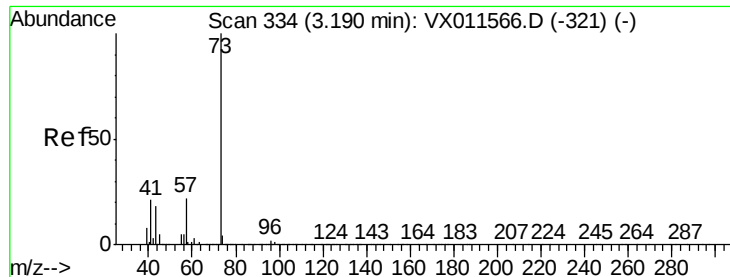
74 24.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



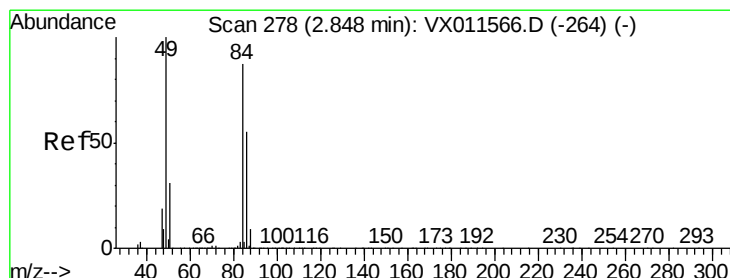
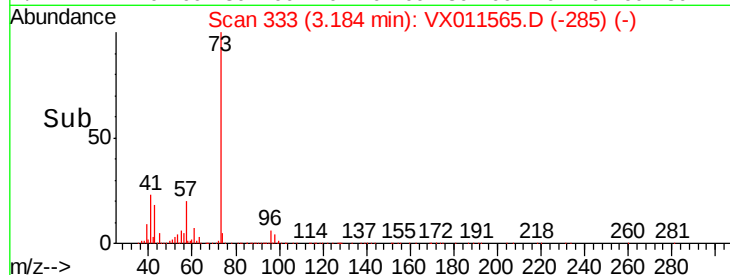
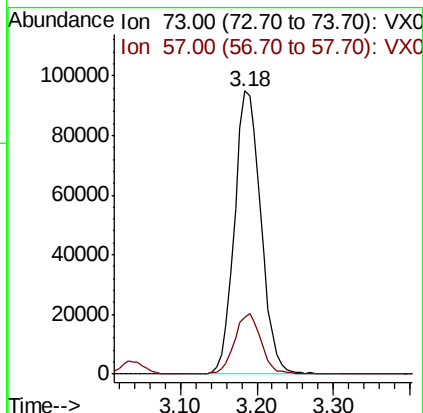
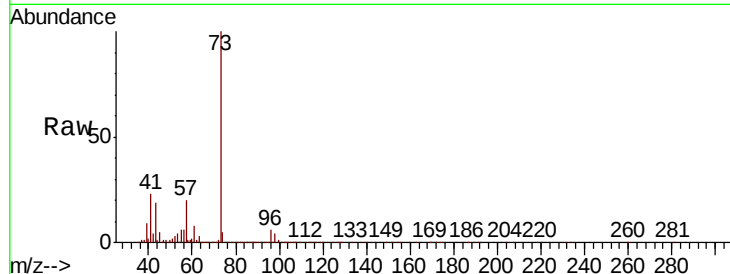


#19

Methyl tert-butyl Ether
 Concen: 19.483 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.01 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

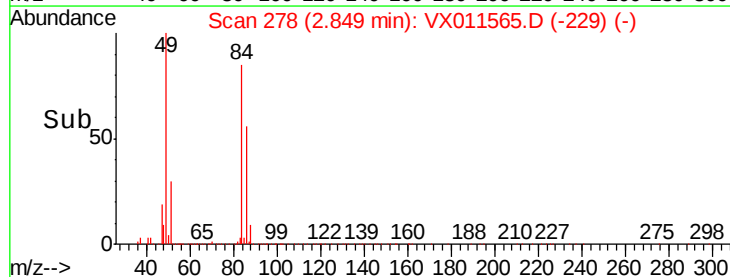
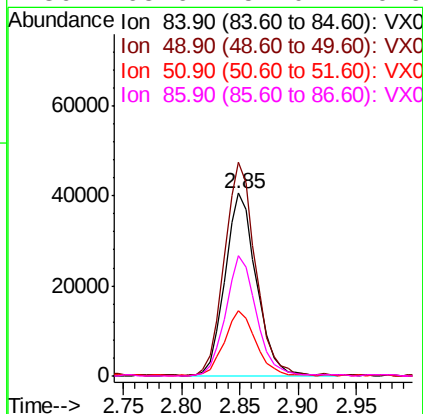
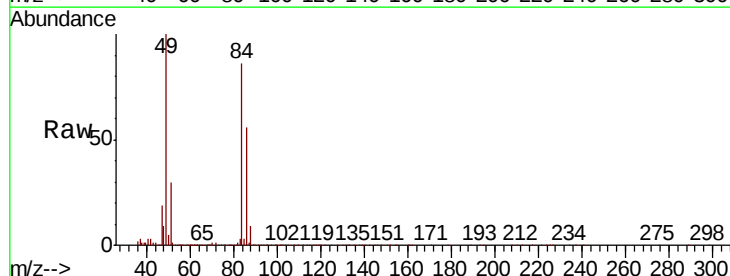
Tgt Ion: 73 Resp: 226054
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.2 25.8

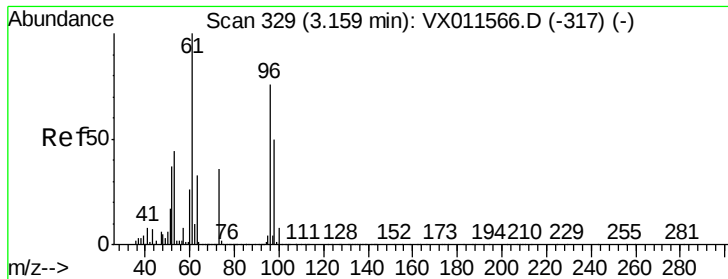


#20

Methylene Chloride
 Concen: 18.471 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion: 84 Resp: 75372
 Ion Ratio Lower Upper
 84 100
 49 116.3 92.4 138.6
 51 35.3 28.5 42.7
 86 65.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.840 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

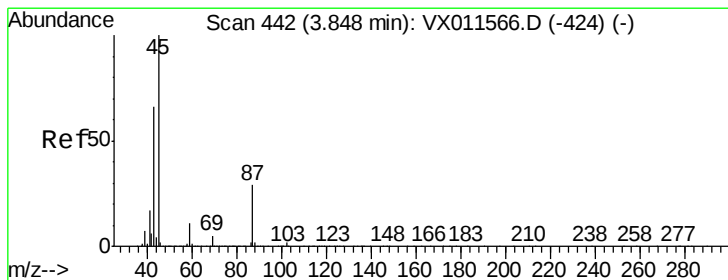
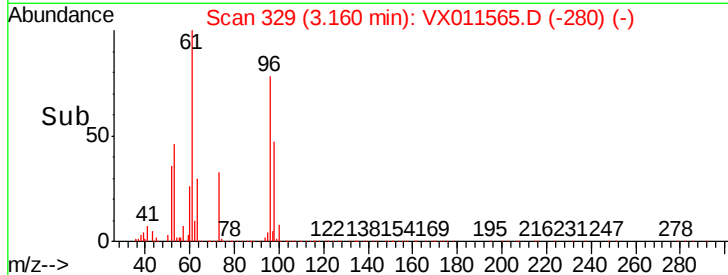
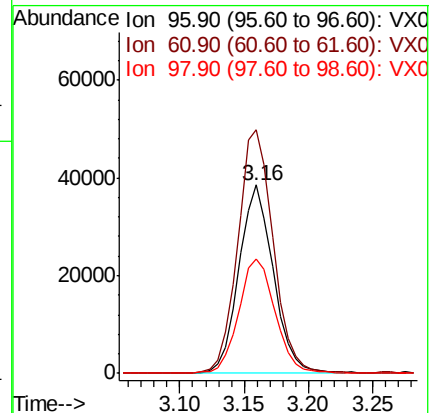
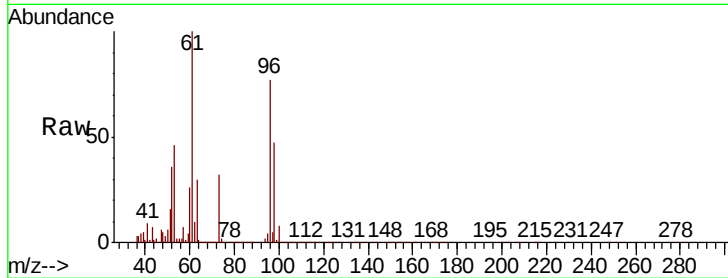
Tgt Ion: 96 Resp: 71378

Ion Ratio Lower Upper

96 100

61 128.9 105.5 158.3

98 60.8 52.6 78.8



#22

Diisopropyl ether

Concen: 20.463 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion: 45 Resp: 228499

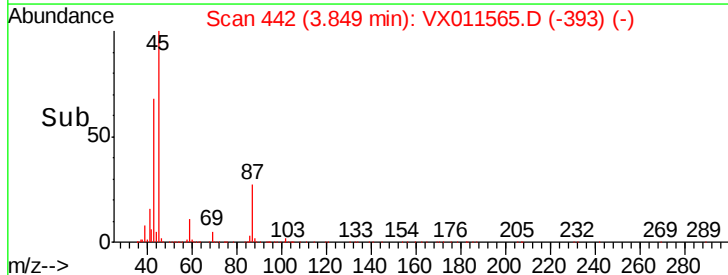
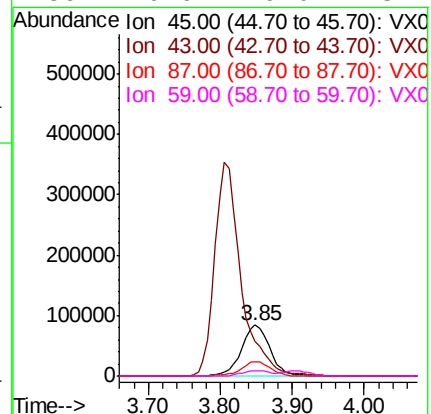
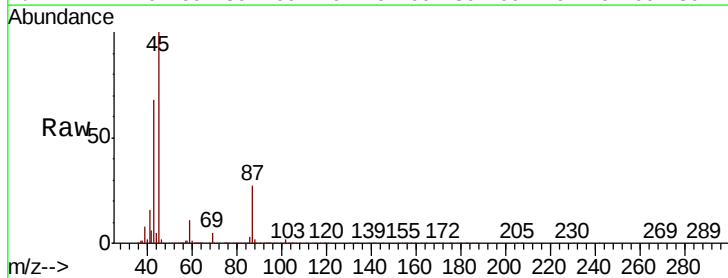
Ion Ratio Lower Upper

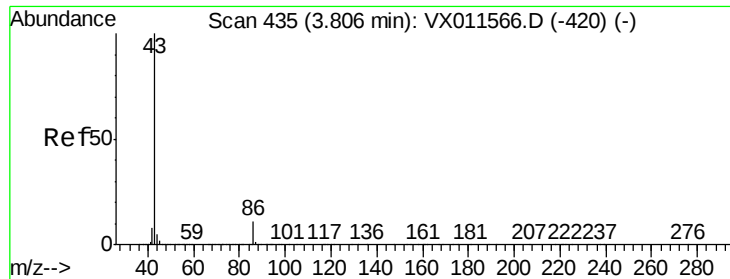
45 100

43 67.6 52.7 79.1

87 26.8 23.5 35.3

59 10.9 9.0 13.4

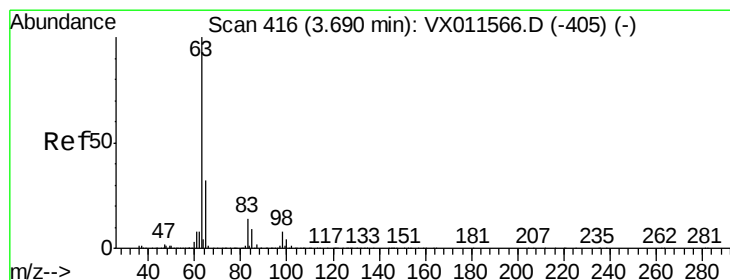
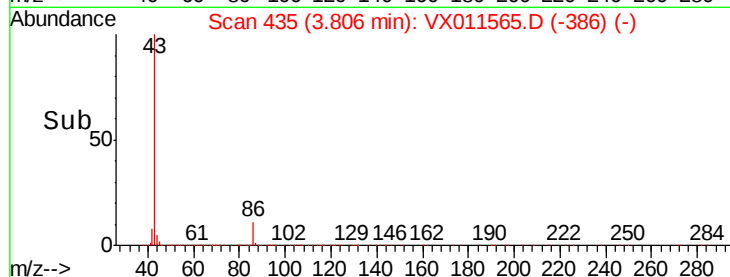
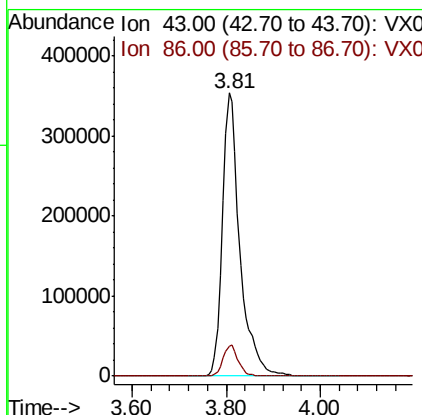
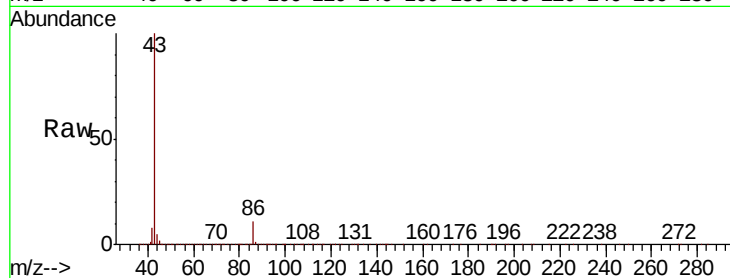




#23
 Vinyl Acetate
 Concen: 97.766 ug/l
 RT: 3.81 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

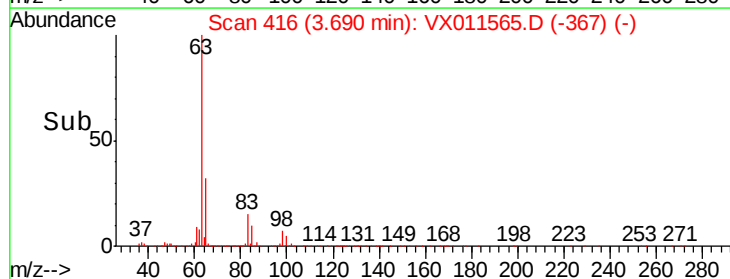
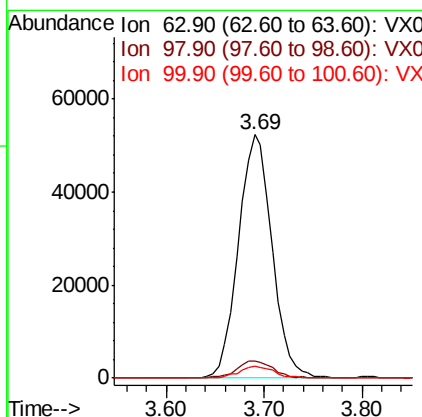
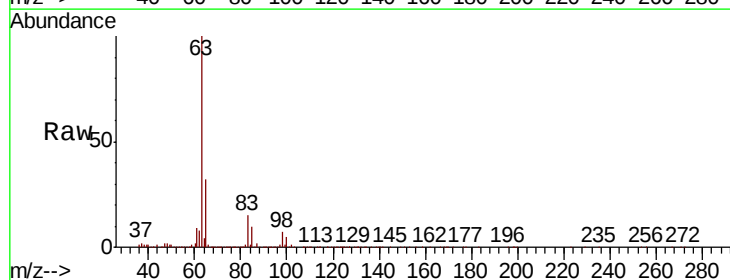
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

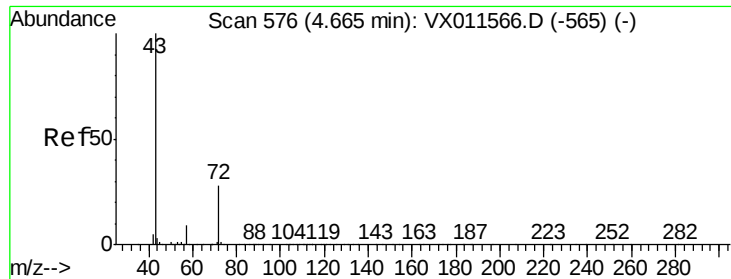
Tgt Ion: 43 Resp: 909577
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.479 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion: 63 Resp: 125231
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.7 11.1
 100 4.8 2.1 6.3





#25

2-Butanone

Concen: 105.323 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

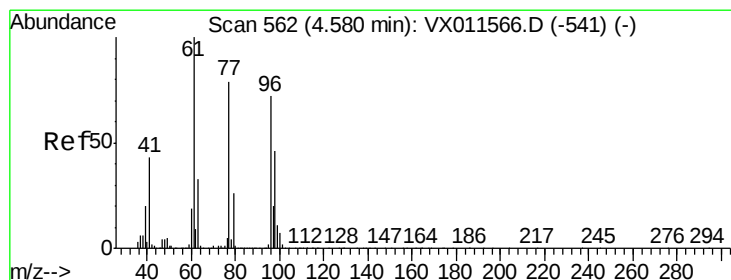
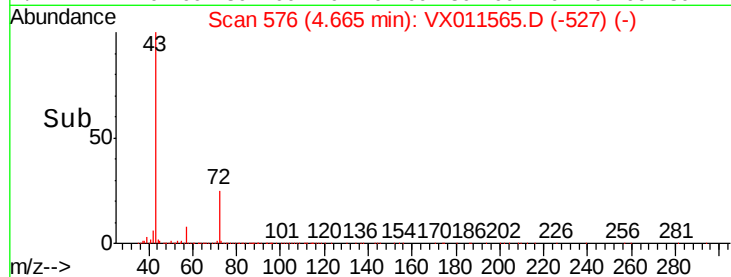
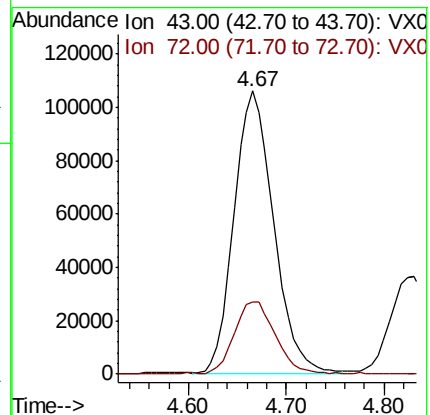
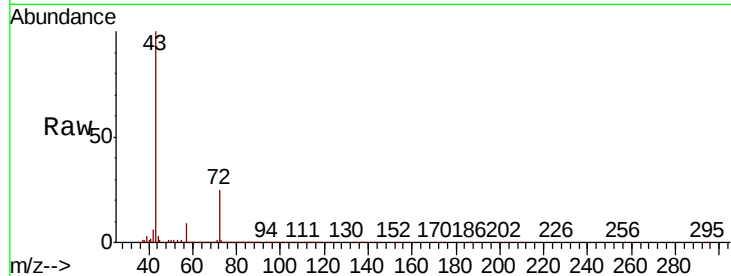
VSTDIC020

Tgt Ion: 43 Resp: 297170

Ion Ratio Lower Upper

43 100

72 25.1 22.2 33.4



#26

2,2-Dichloropropane

Concen: 18.145 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011565.D

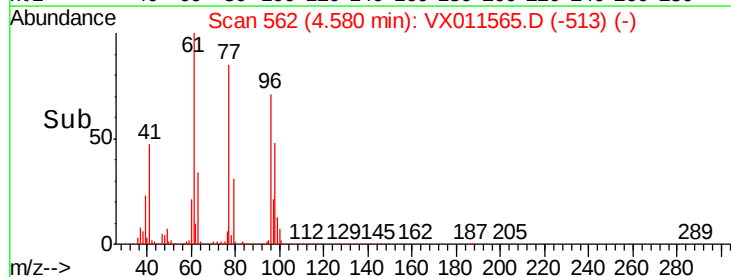
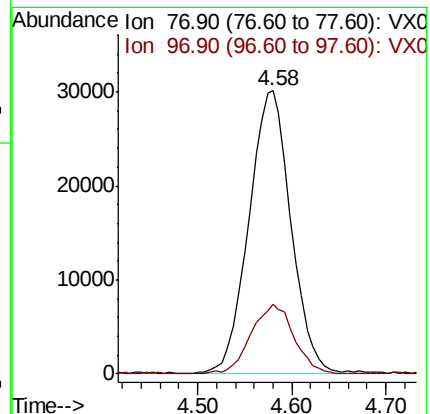
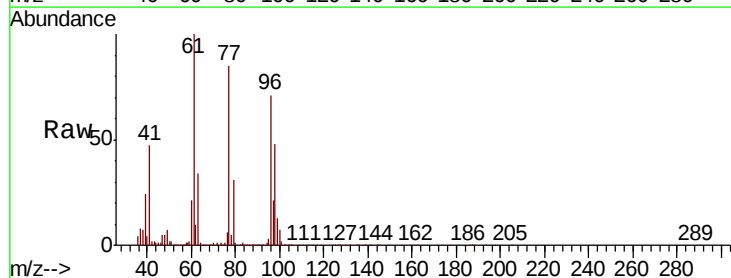
Acq: 15 Aug 2019 18:27

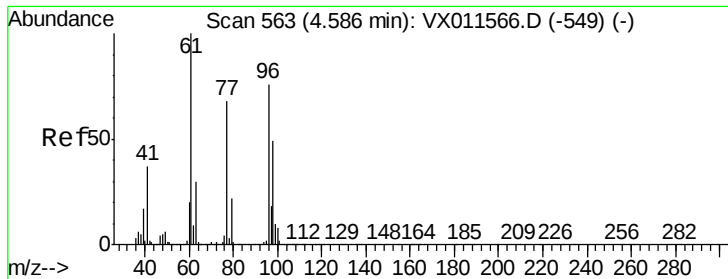
Tgt Ion: 77 Resp: 94298

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.2



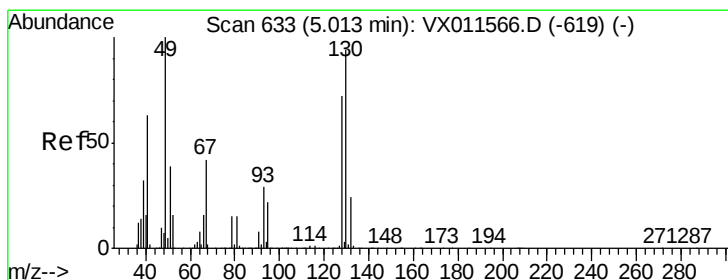
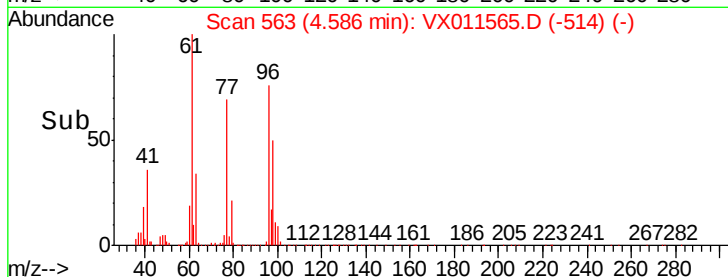
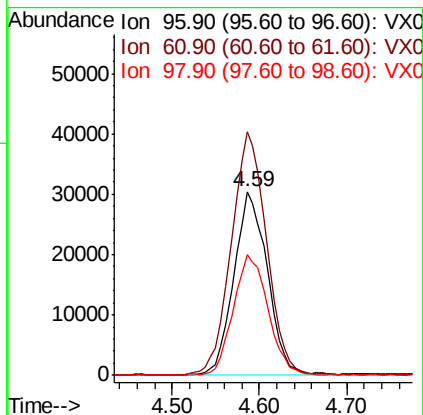
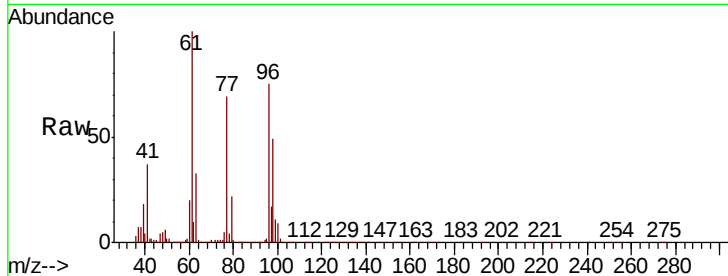


#27

cis-1,2-Dichloroethene
Concen: 18.481 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

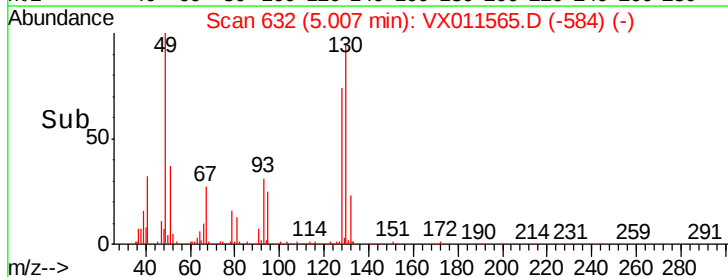
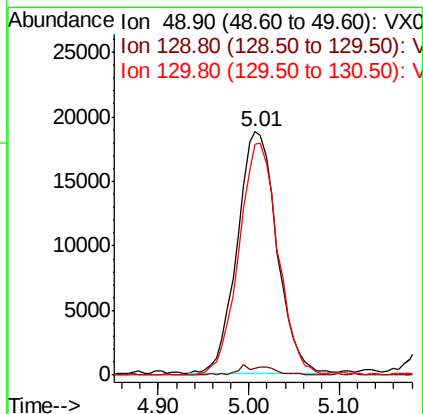
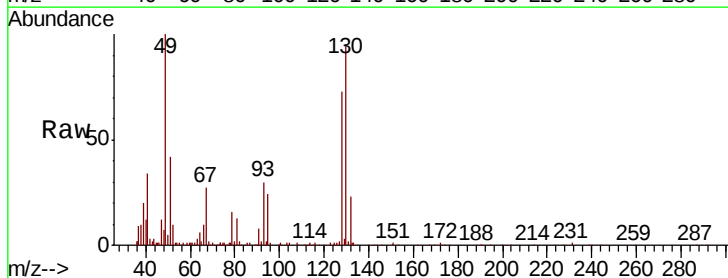
Tgt Ion: 96 Resp: 81492
Ion Ratio Lower Upper
96 100
61 138.6 0.0 272.6
98 68.0 0.0 129.4

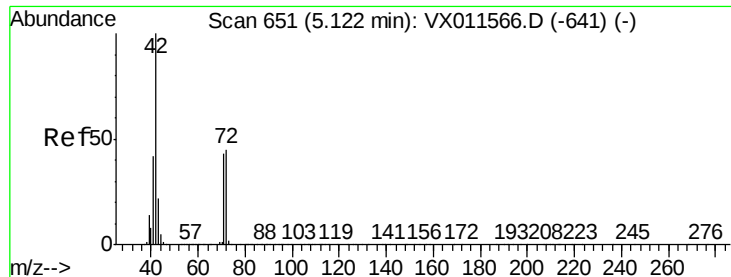


#28

Bromochloromethane
Concen: 18.946 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 49 Resp: 56987
Ion Ratio Lower Upper
49 100
129 1.7 0.0 5.0
130 94.2 76.6 115.0





#29

Tetrahydrofuran

Concen: 106.340 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

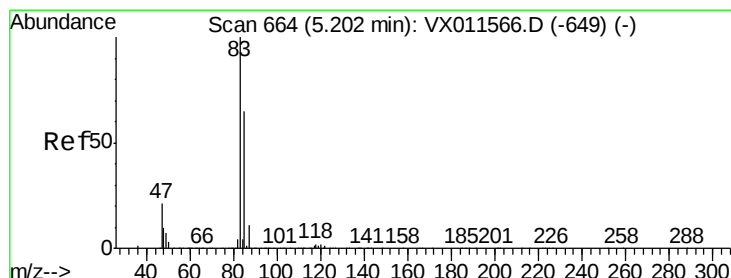
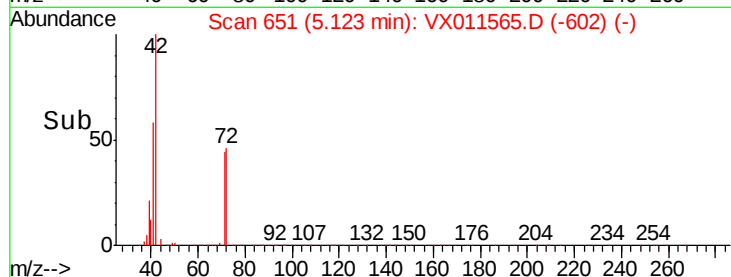
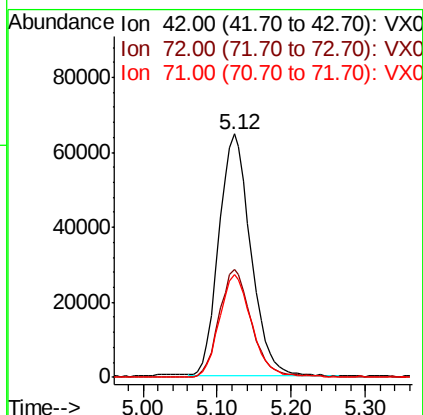
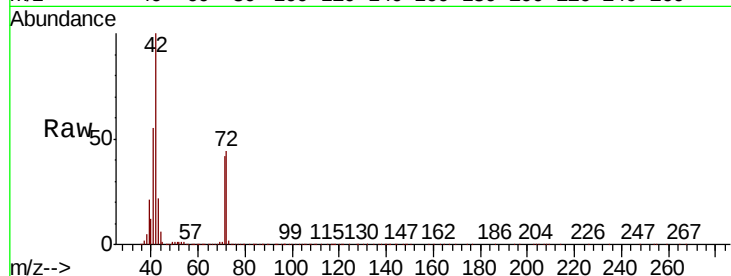
Tgt Ion: 42 Resp: 191965

Ion Ratio Lower Upper

42 100

72 45.3 36.1 54.1

71 43.3 33.8 50.8



#30

Chloroform

Concen: 19.162 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.00 min

Lab File: VX011565.D

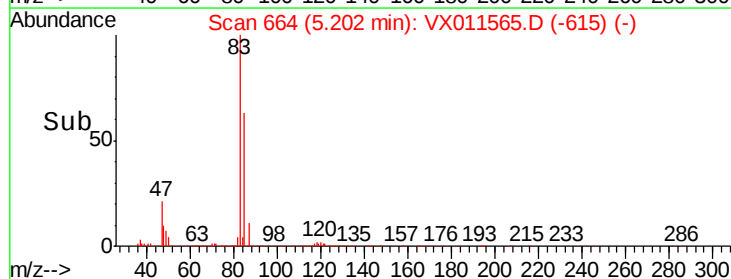
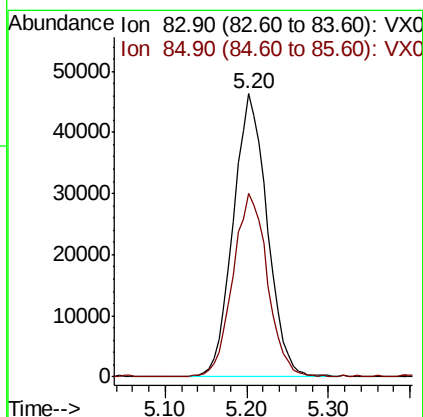
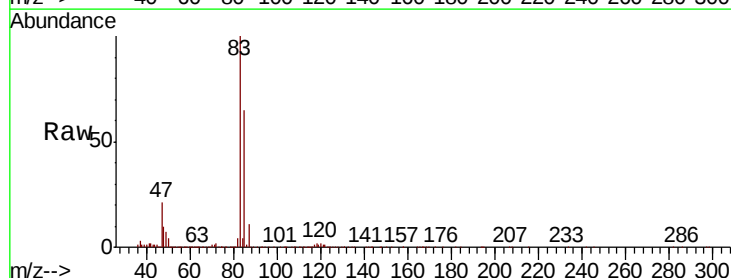
Acq: 15 Aug 2019 18:27

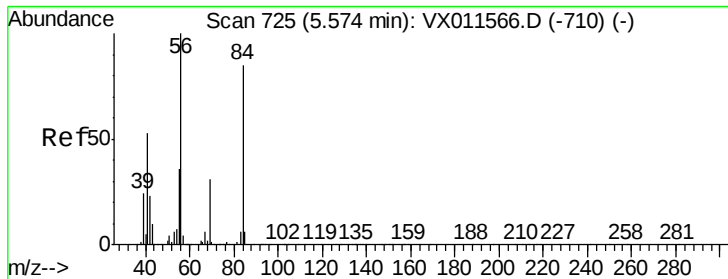
Tgt Ion: 83 Resp: 132804

Ion Ratio Lower Upper

83 100

85 64.9 51.9 77.9

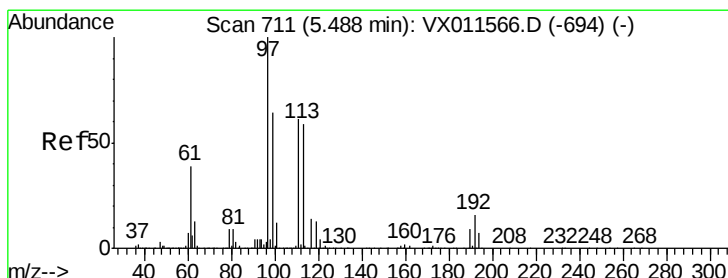
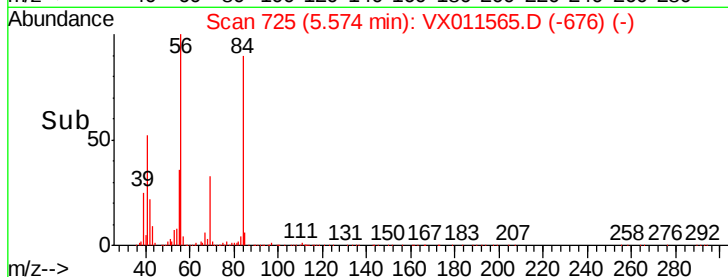
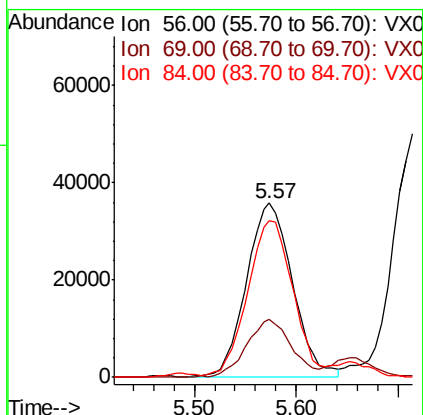
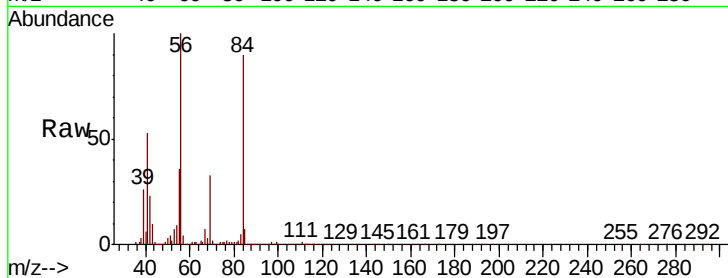




#31
Cyclohexane
Concen: 19.174 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

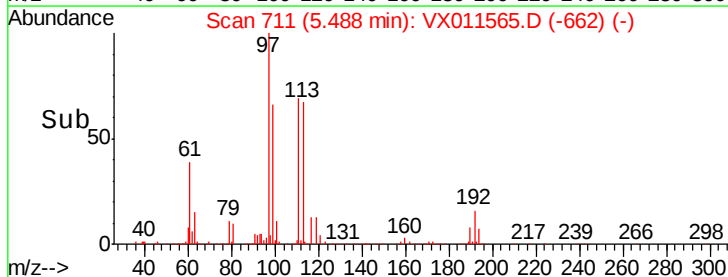
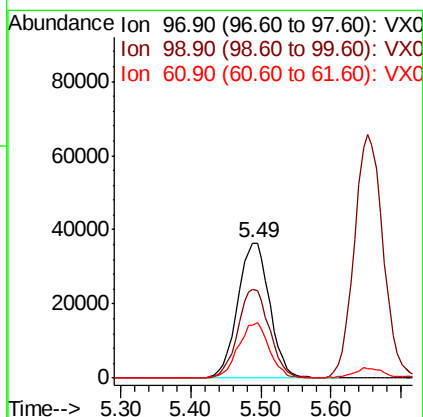
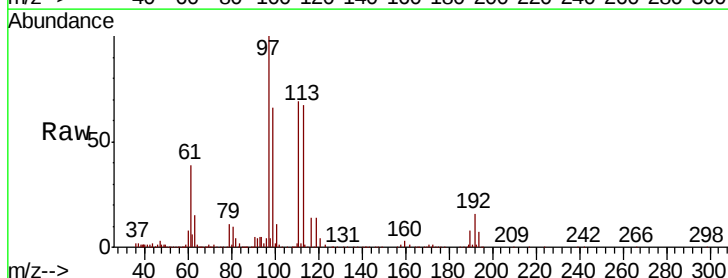
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

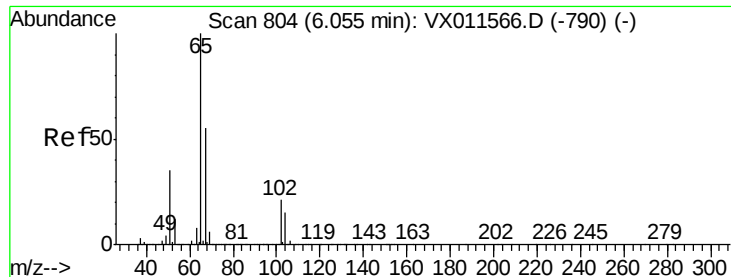
Tgt Ion: 56 Resp: 111699
Ion Ratio Lower Upper
56 100
69 32.9 24.8 37.2
84 88.5 67.9 101.9



#32
1,1,1-Trichloroethane
Concen: 19.328 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 97 Resp: 115704
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 38.4 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 18.057 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

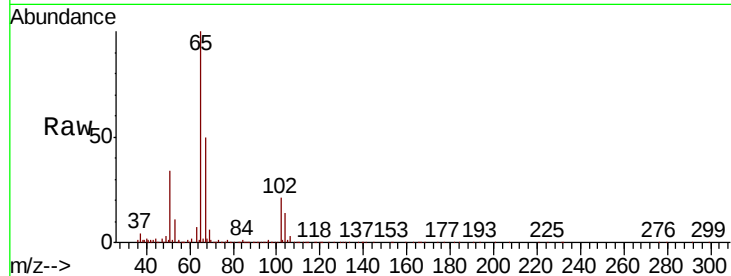
VSTDIC020

Tgt Ion: 65 Resp: 75028

Ion Ratio Lower Upper

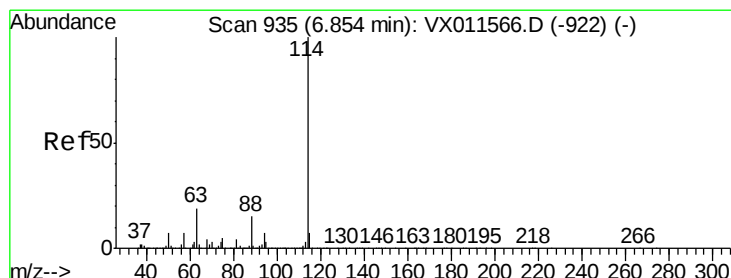
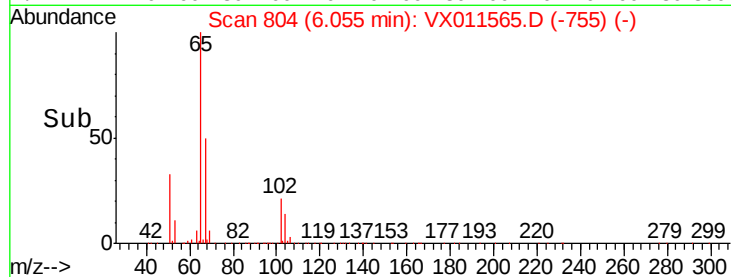
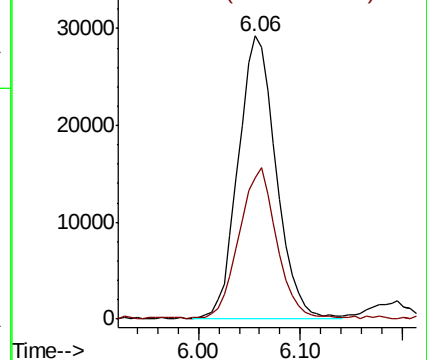
65 100

67 52.2 0.0 107.6



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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

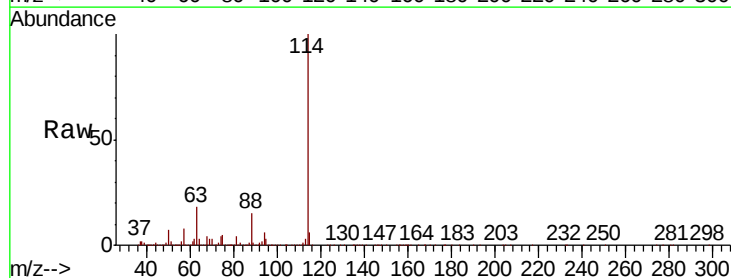
Tgt Ion: 114 Resp: 549681

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.8

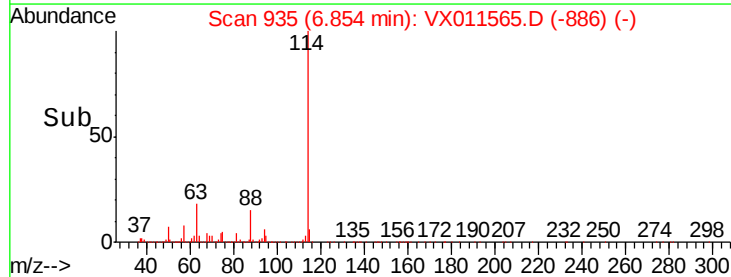
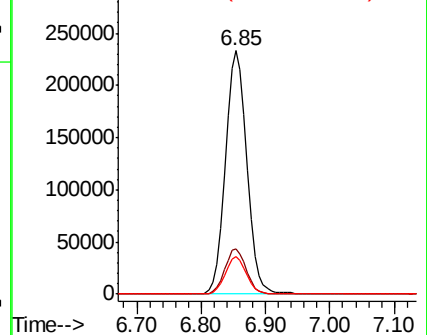
88 15.2 0.0 30.2

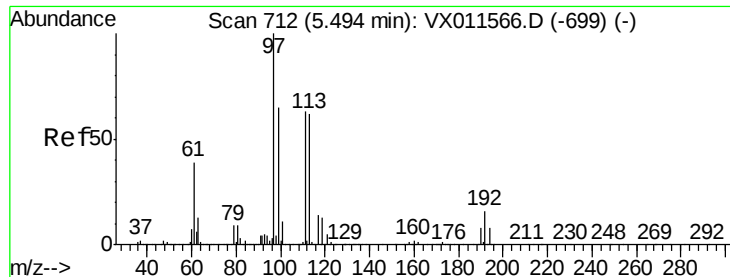


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 21.107 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

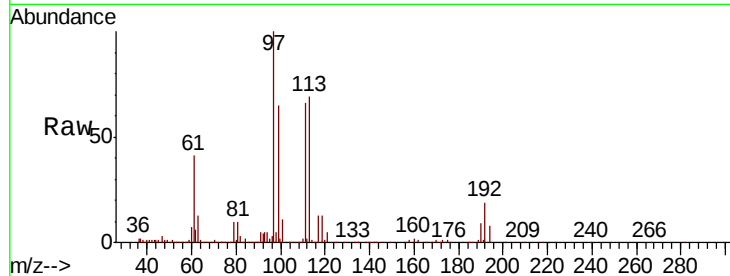
Tgt Ion:113 Resp: 73108

Ion Ratio Lower Upper

113 100

111 98.4 81.1 121.7

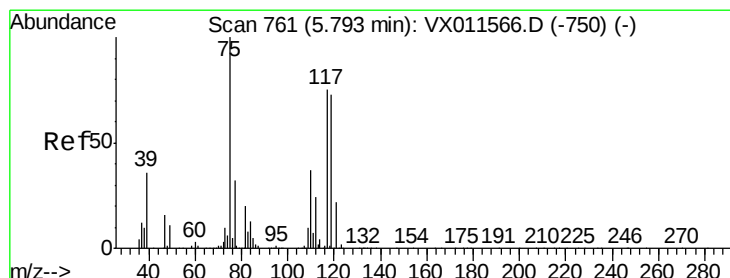
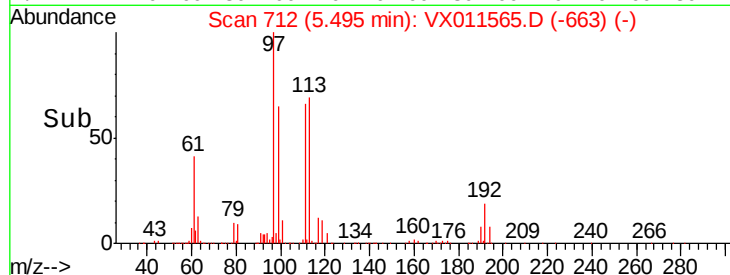
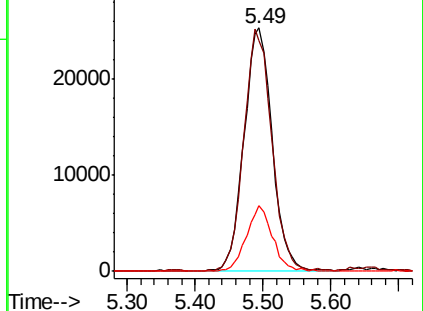
192 25.0 20.8 31.2



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: 20.764 ug/l

RT: 5.79 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

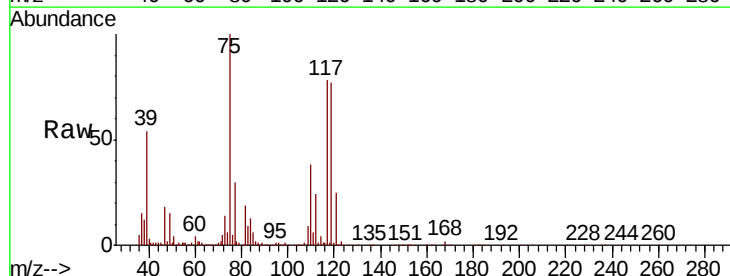
Tgt Ion: 75 Resp: 94815

Ion Ratio Lower Upper

75 100

110 39.0 19.4 58.1

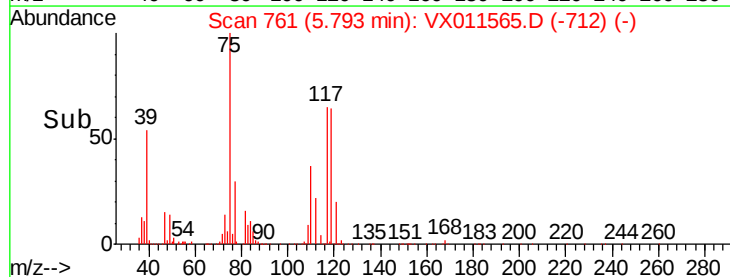
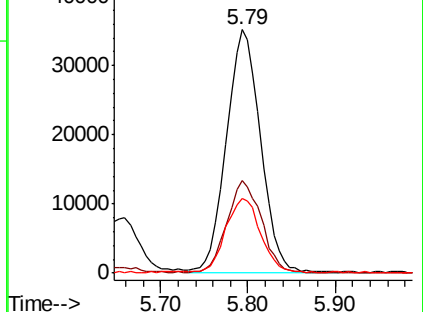
77 31.0 25.1 37.7

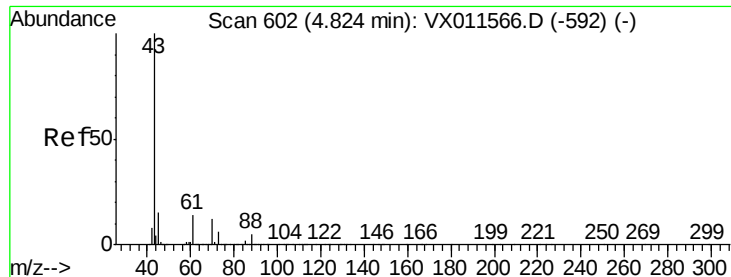


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

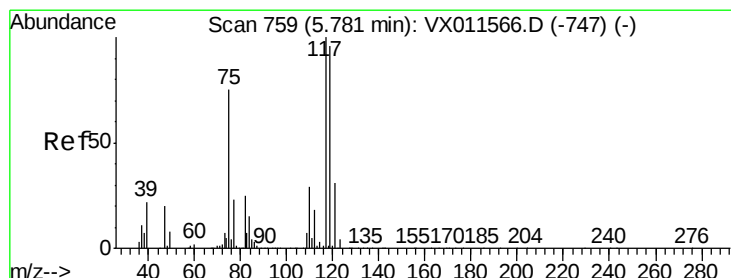
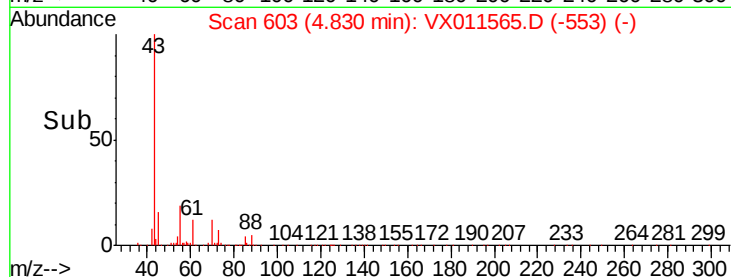
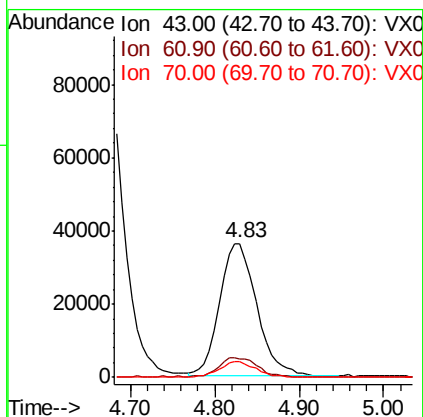
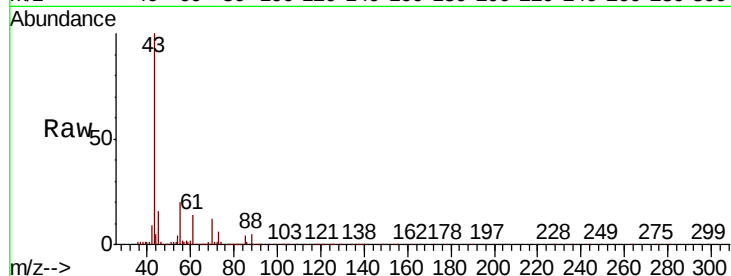




#37
Ethyl Acetate
Concen: 23.079 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

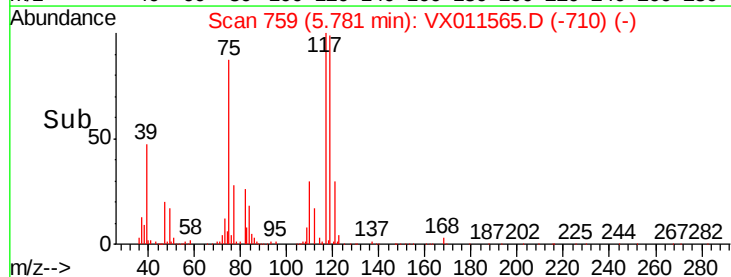
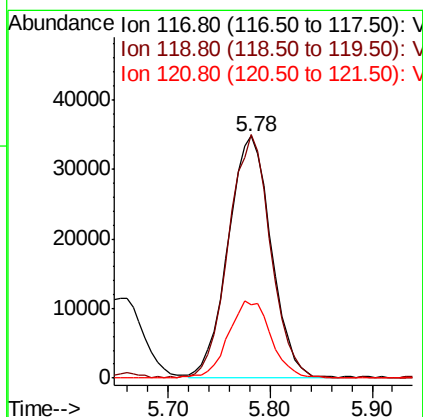
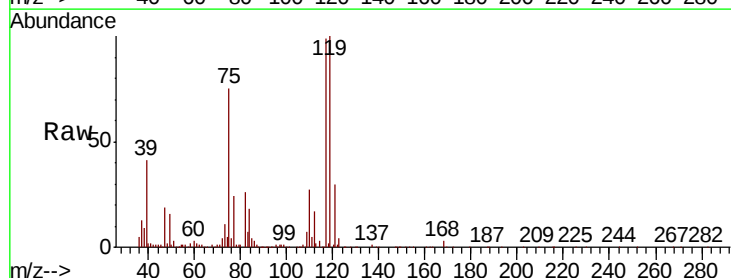
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

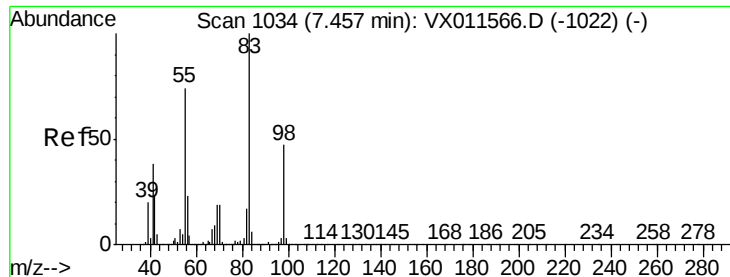
Tgt Ion: 43 Resp: 109797
Ion Ratio Lower Upper
43 100
61 14.6 11.4 17.0
70 11.3 9.0 13.6



#38
Carbon Tetrachloride
Concen: 21.116 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 117 Resp: 101310
Ion Ratio Lower Upper
117 100
119 100.6 76.9 115.3
121 30.1 24.8 37.2

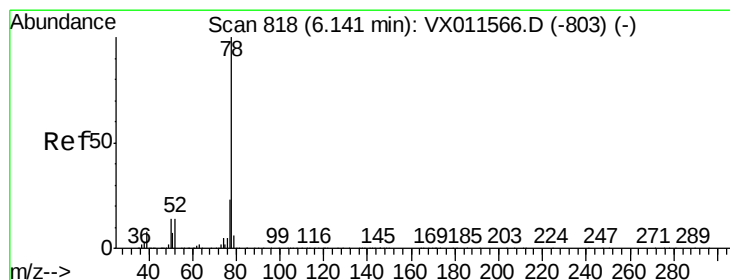
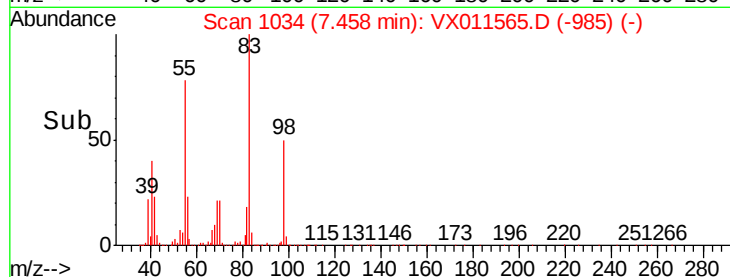
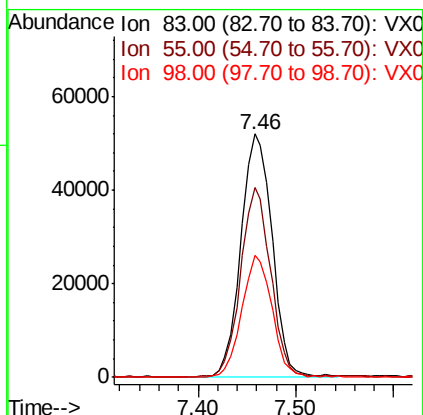
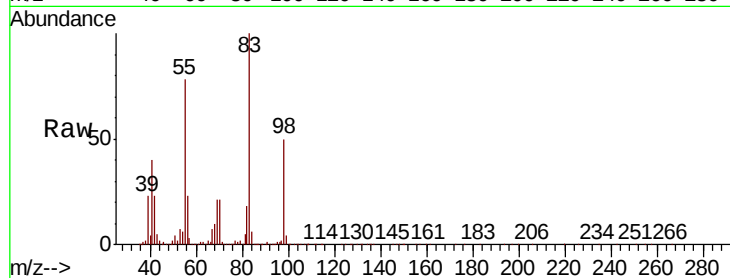




#39
Methylcyclohexane
Concen: 19.626 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

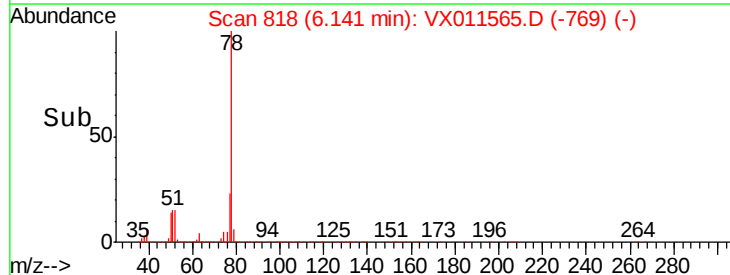
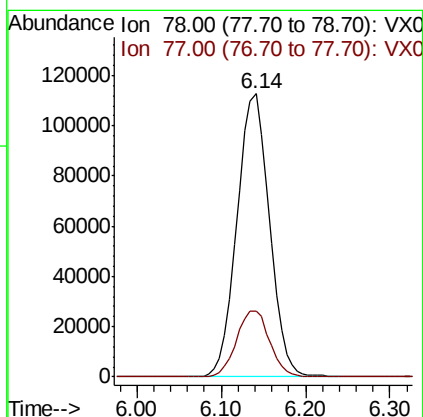
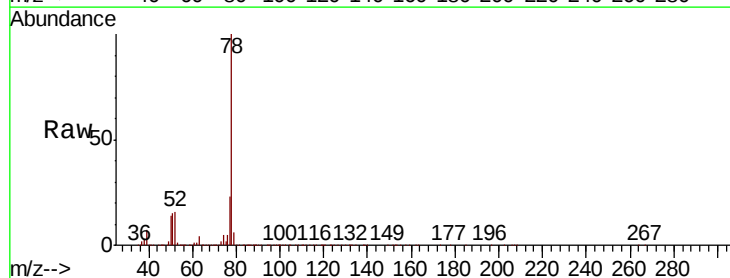
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

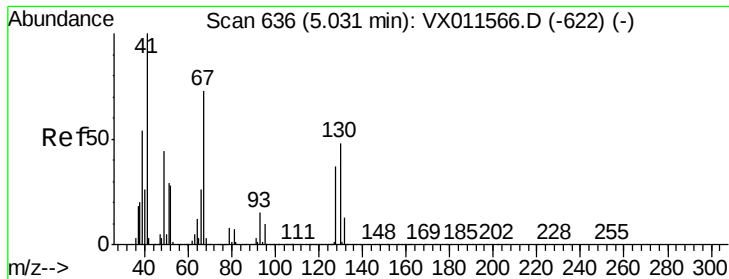
Tgt Ion: 83 Resp: 115252
Ion Ratio Lower Upper
83 100
55 78.1 58.8 88.2
98 49.7 37.8 56.6



#40
Benzene
Concen: 21.022 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 78 Resp: 294225
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0





#41

Methacrylonitrile

Concen: 22.805 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 62320

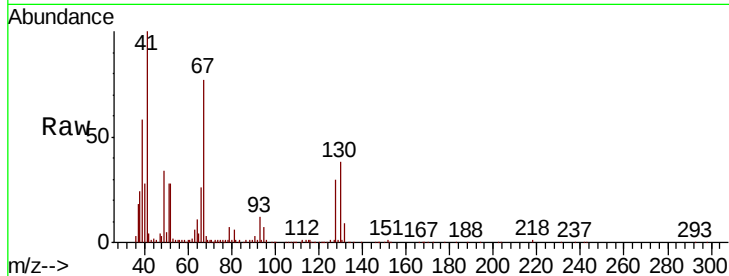
Ion Ratio Lower Upper

41 100

39 54.4 43.5 65.3

67 72.5 59.4 89.2

52 27.4 23.4 35.2

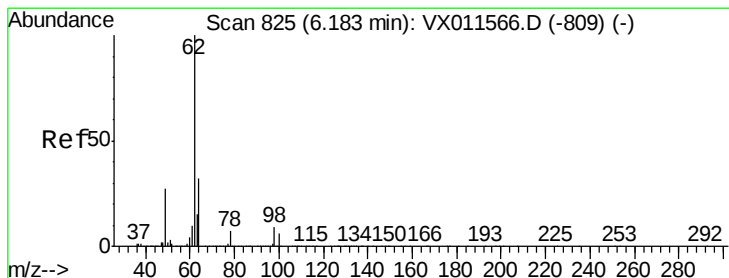
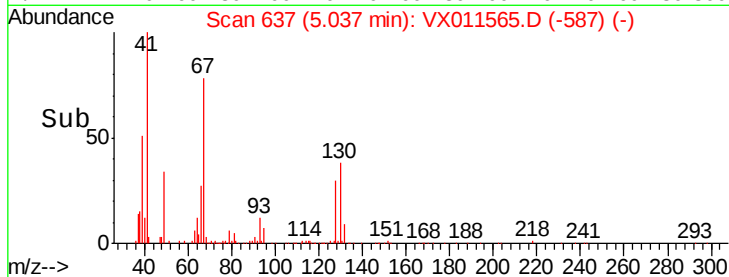
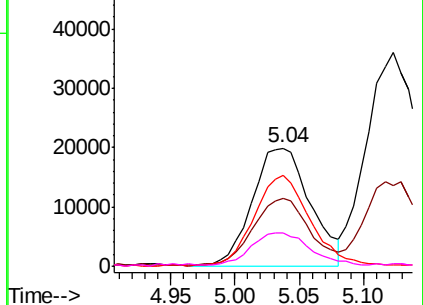


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.036 ug/l

RT: 6.18 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX011565.D

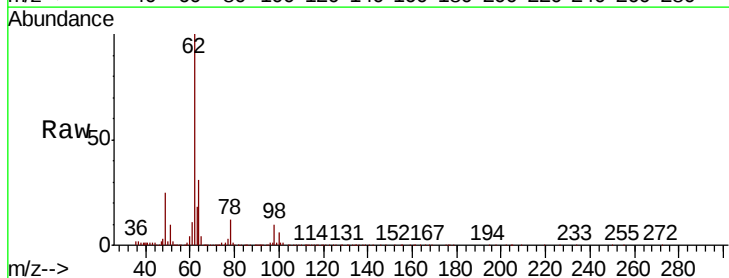
Acq: 15 Aug 2019 18:27

Tgt Ion: 62 Resp: 103185

Ion Ratio Lower Upper

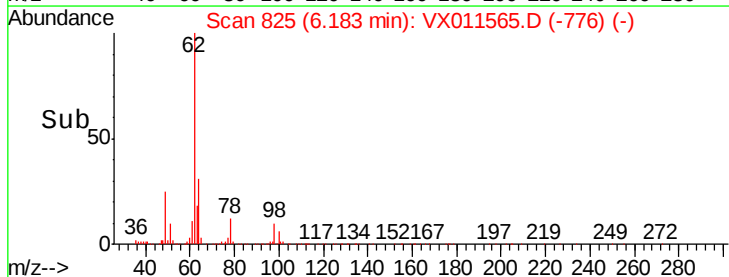
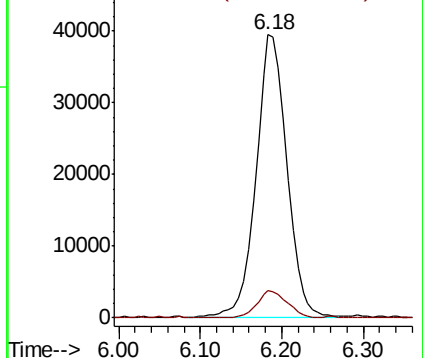
62 100

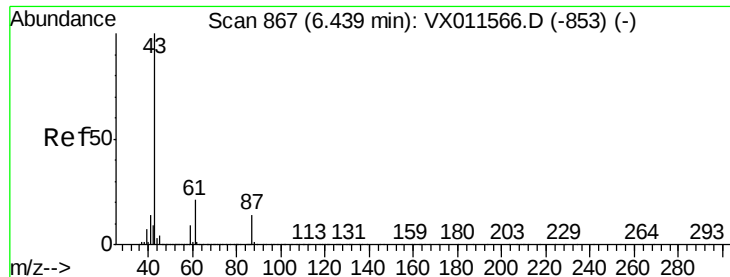
98 9.8 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.438 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

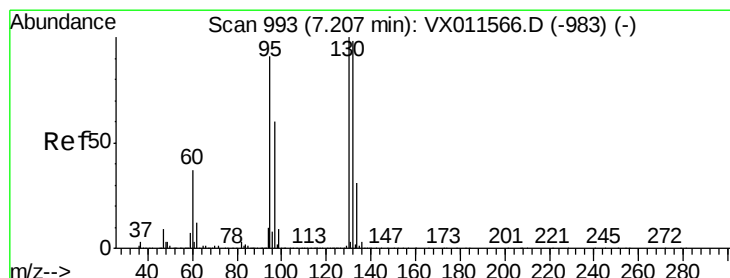
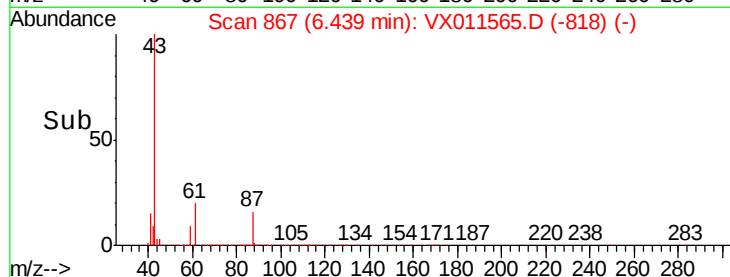
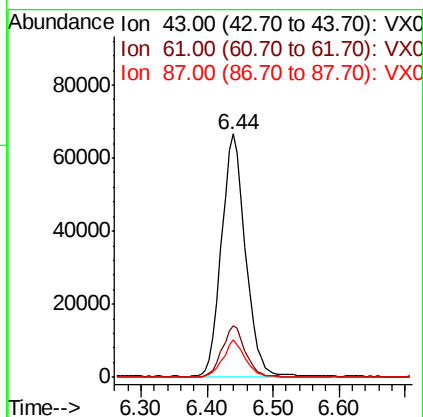
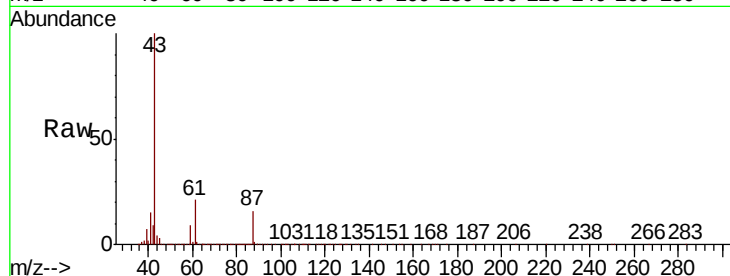
Tgt Ion: 43 Resp: 166701

Ion Ratio Lower Upper

43 100

61 20.2 16.6 24.8

87 14.2 11.4 17.2



#44

Trichloroethene

Concen: 20.773 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011565.D

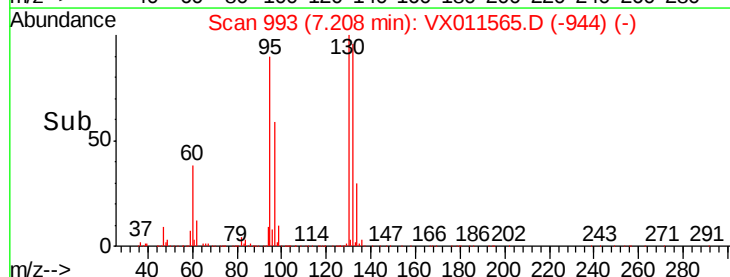
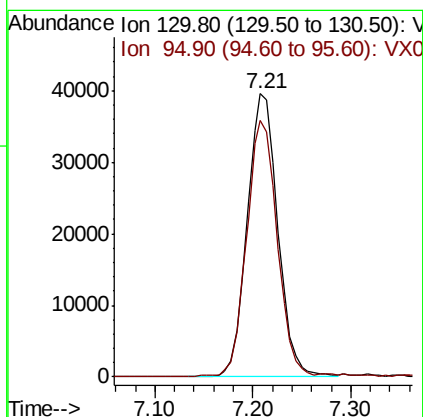
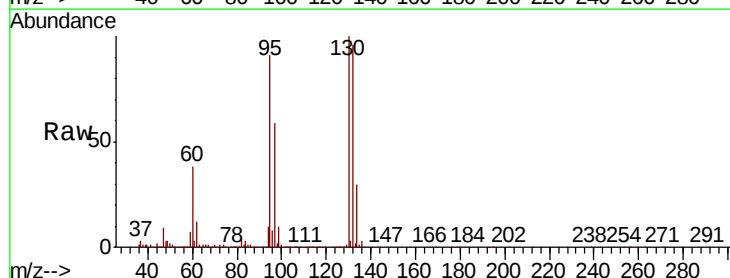
Acq: 15 Aug 2019 18:27

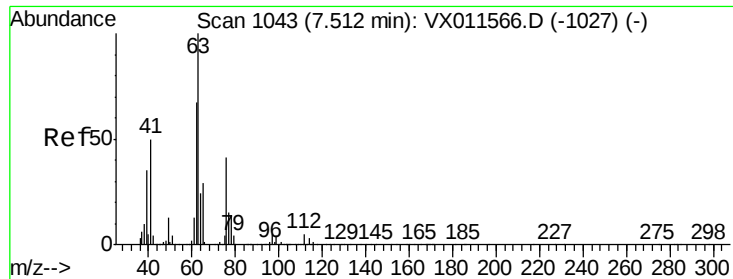
Tgt Ion: 130 Resp: 86171

Ion Ratio Lower Upper

130 100

95 90.6 0.0 181.4

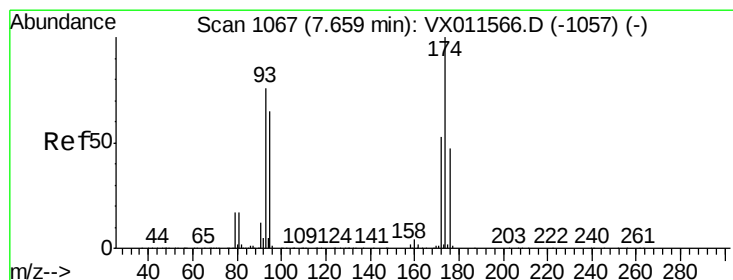
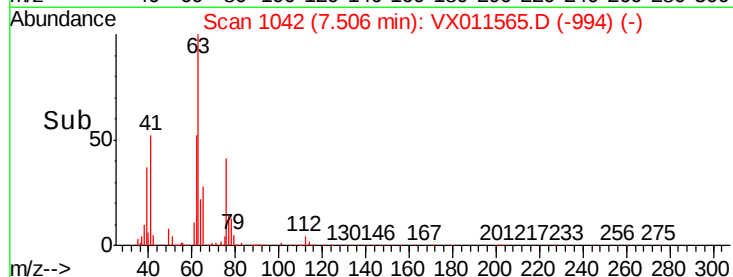
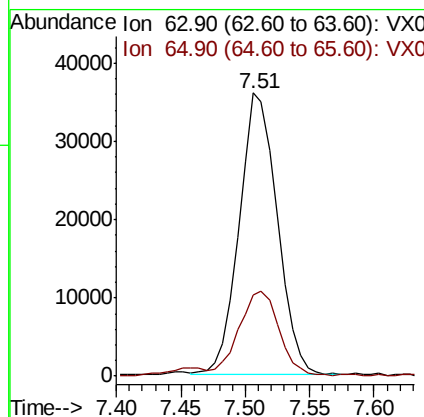
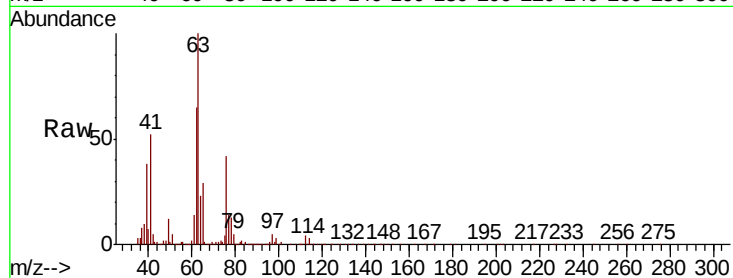




#45
 1,2-Dichloropropane
 Concen: 20.496 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

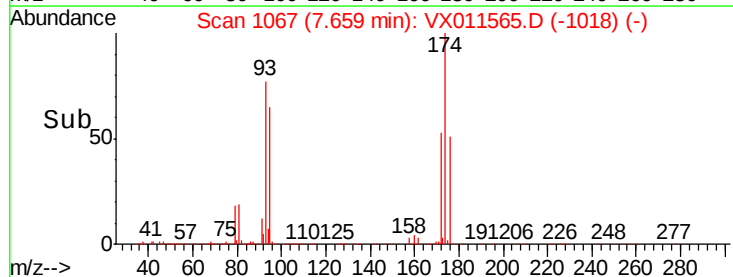
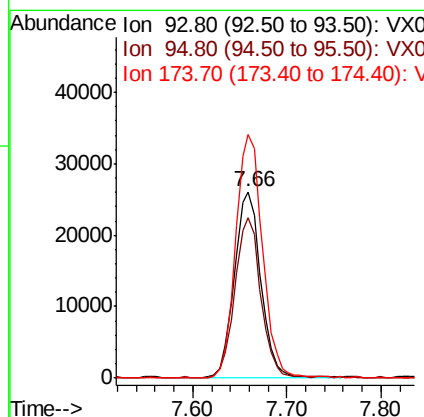
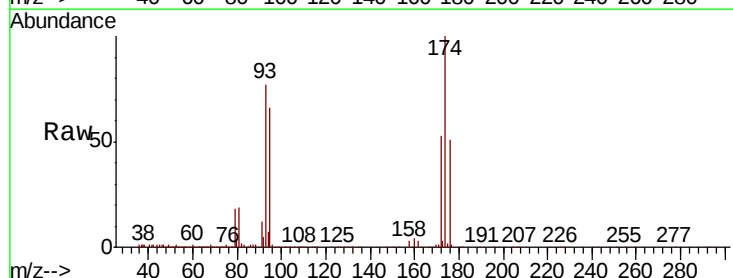
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

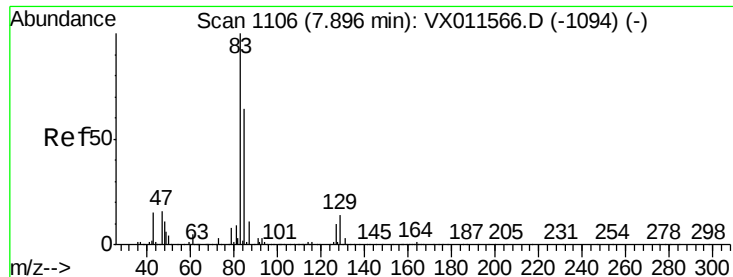
Tgt Ion: 63 Resp: 73272
 Ion Ratio Lower Upper
 63 100
 65 28.5 23.4 35.2



#46
 Dibromomethane
 Concen: 20.211 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion: 93 Resp: 51160
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.2 100.8
 174 132.2 105.5 158.3





#47

Bromodichloromethane

Concen: 20.971 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

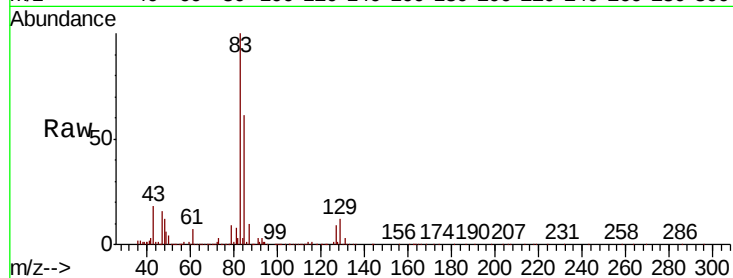
Tgt Ion: 83 Resp: 95535

Ion Ratio Lower Upper

83 100

85 61.5 51.2 76.8

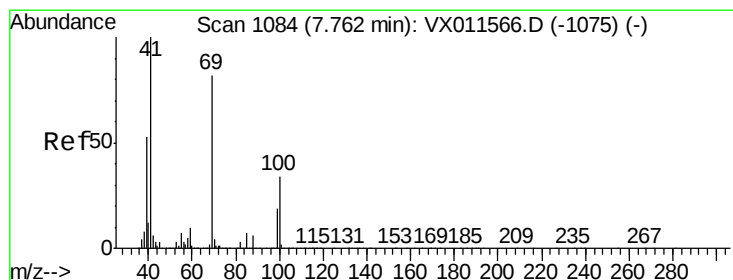
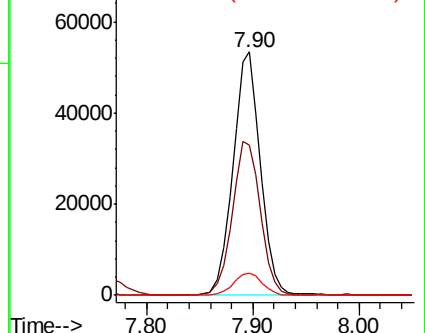
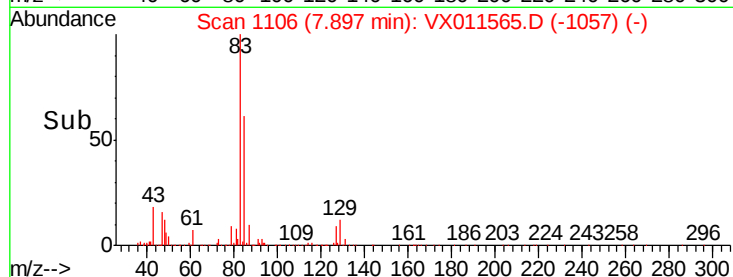
127 9.4 8.1 12.1



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: 21.832 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

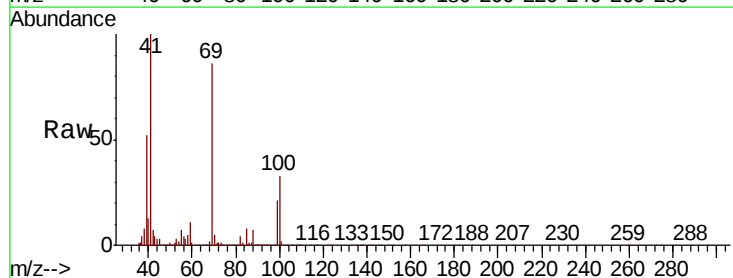
Tgt Ion: 41 Resp: 83567

Ion Ratio Lower Upper

41 100

69 85.2 67.9 101.9

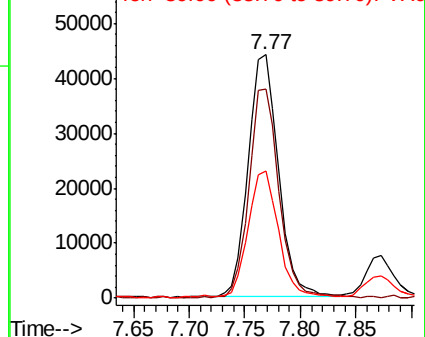
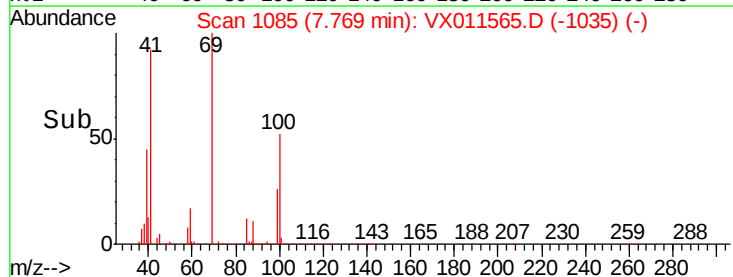
39 51.7 41.6 62.4

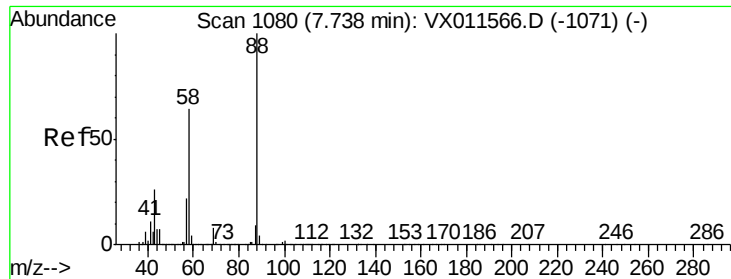


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

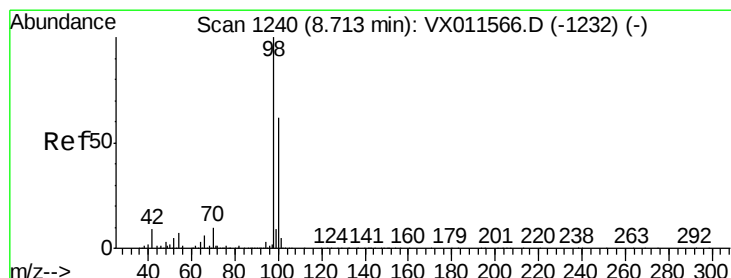
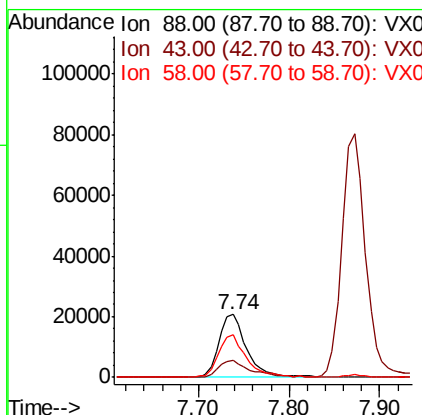
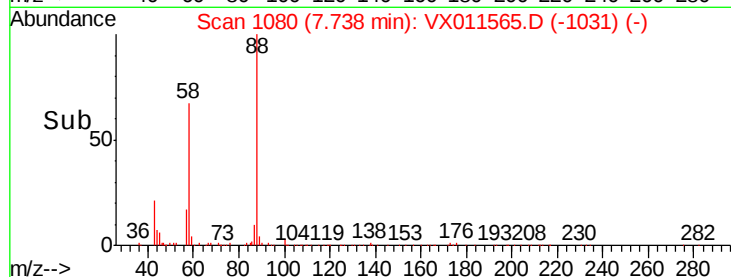
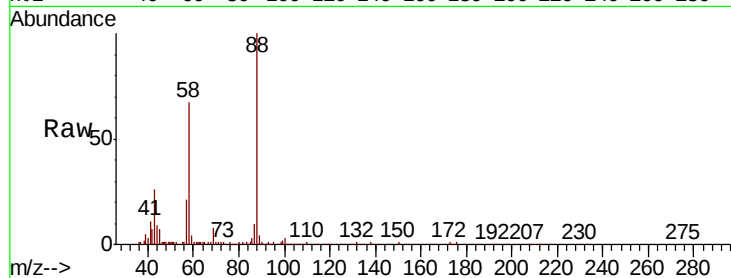




#49
 1,4-Dioxane
 Concen: 415.473 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

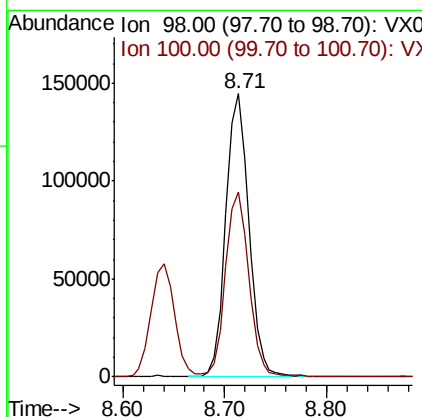
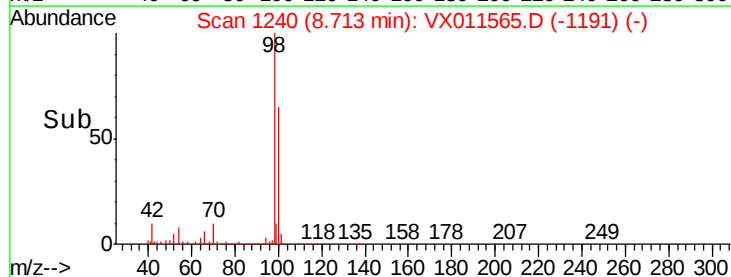
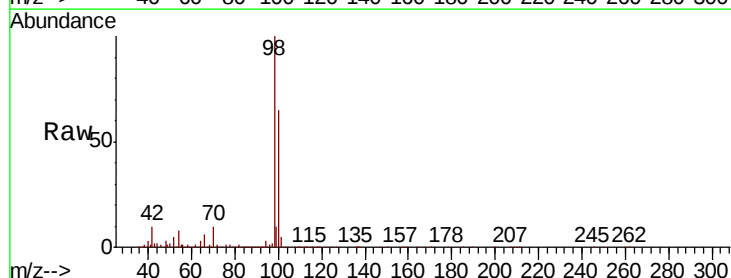
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

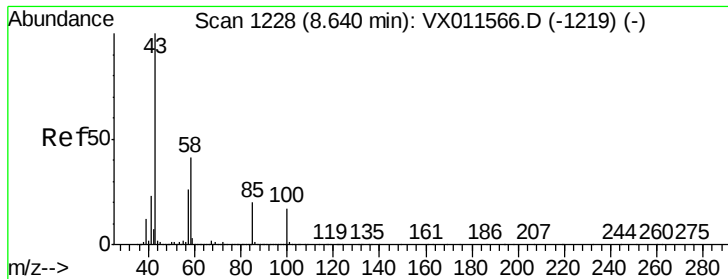
Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.4	35.0
58	67.9	54.3	81.5



#50
 Toluene-d8
 Concen: 18.016 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6

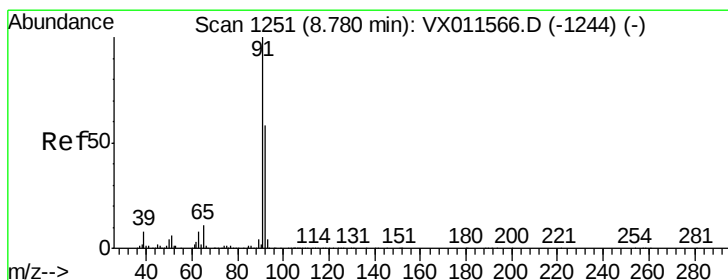
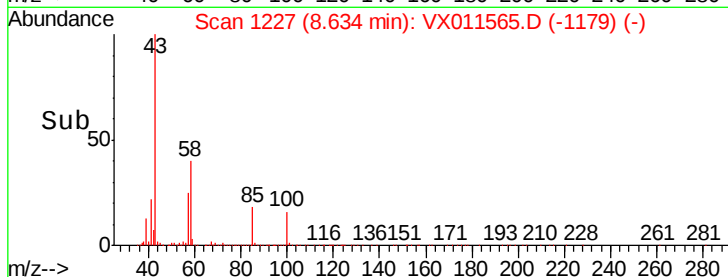
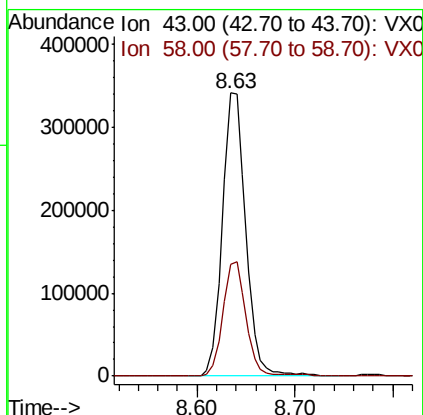
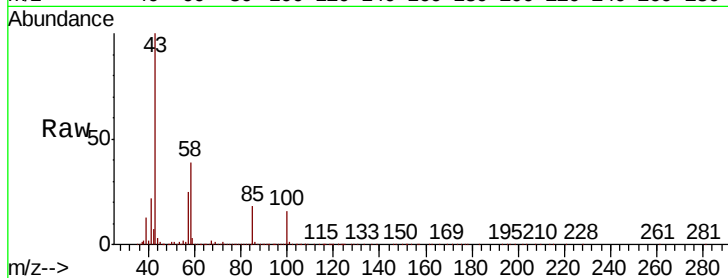




#51
4-Methyl-2-Pentanone
Concen: 111.894 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

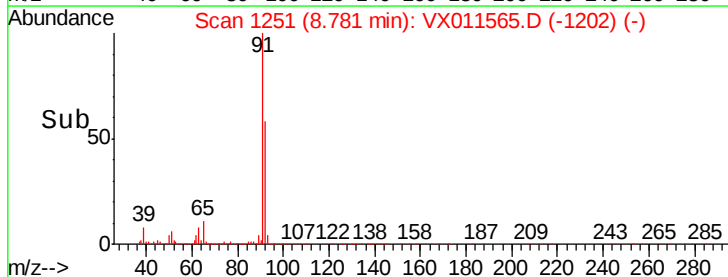
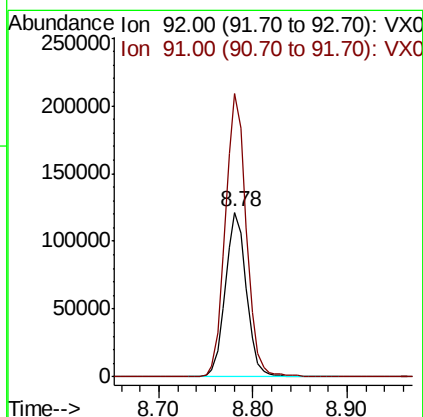
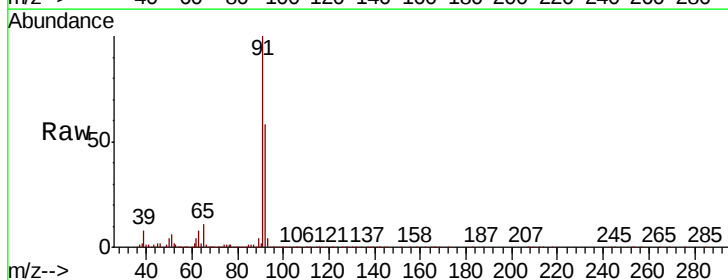
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

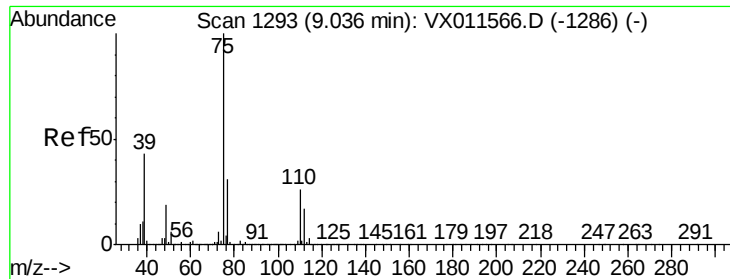
Tgt Ion: 43 Resp: 566326
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.6



#52
Toluene
Concen: 20.513 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 92 Resp: 187825
Ion Ratio Lower Upper
92 100
91 172.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 20.173 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

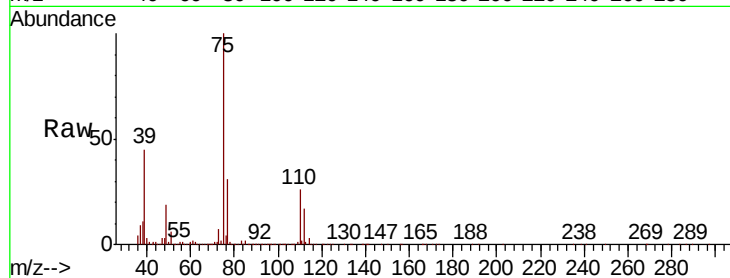
VSTDIC020

Tgt Ion: 75 Resp: 98489

Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

80000

60000

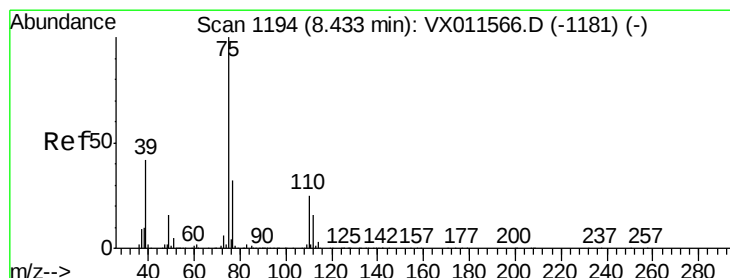
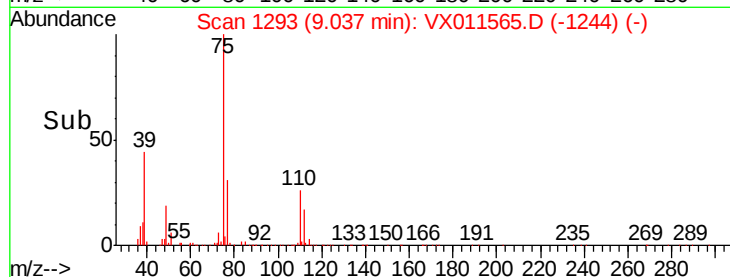
40000

20000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.583 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

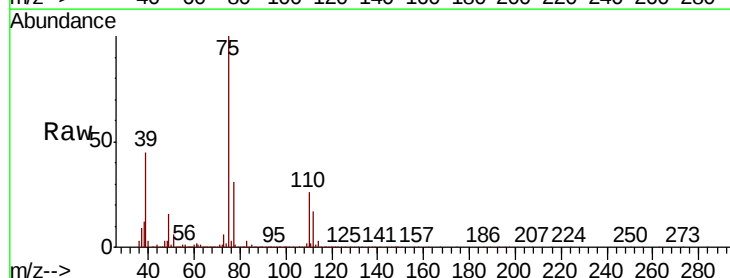
Tgt Ion: 75 Resp: 111497

Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3

39 44.9 33.6 50.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

80000

60000

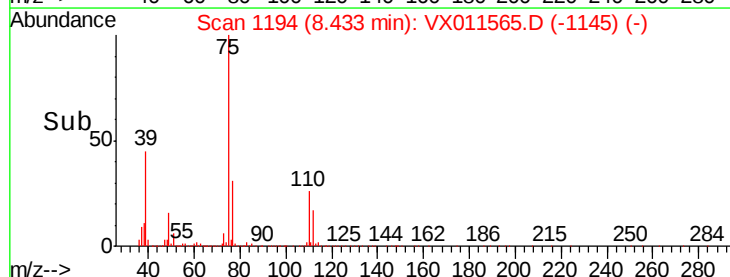
40000

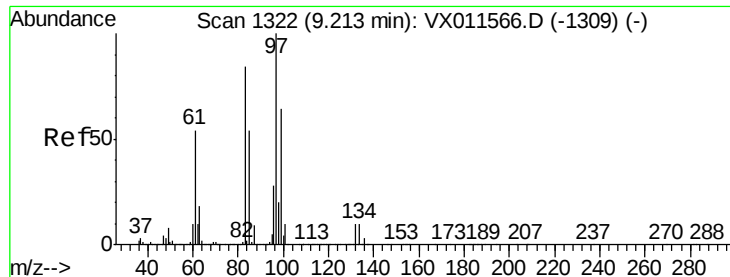
20000

0

8.30 8.40 8.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.976 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 79395

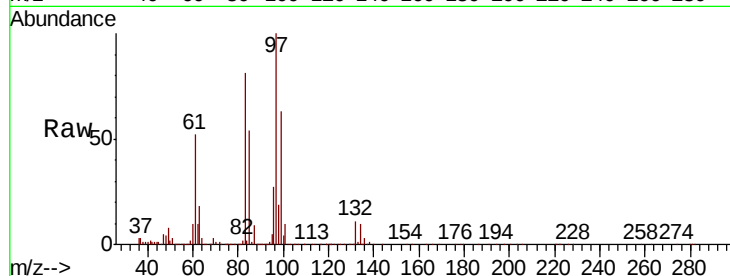
Ion Ratio Lower Upper

97 100

83 80.9 67.4 101.0

85 54.0 43.4 65.2

99 62.8 51.1 76.7

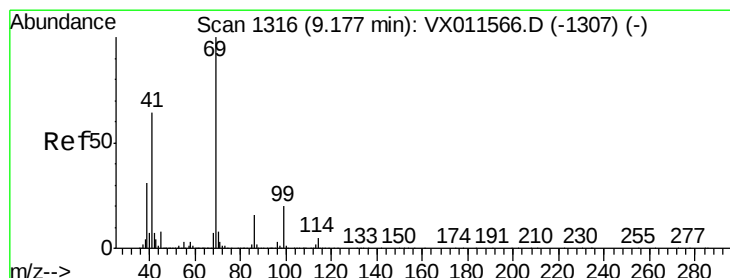
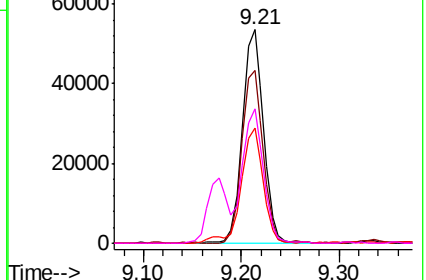
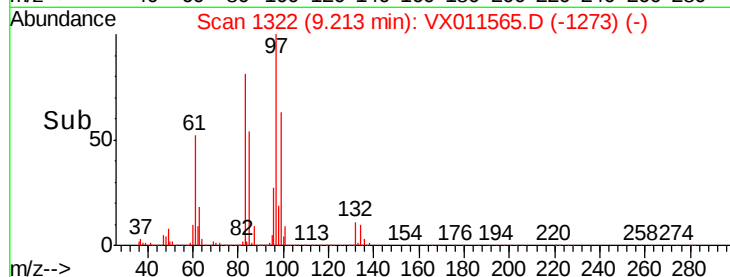


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 21.155 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

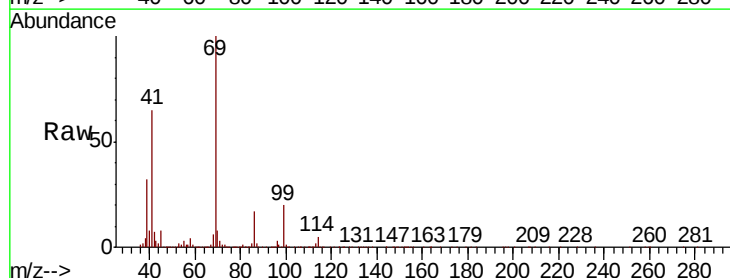
Tgt Ion: 69 Resp: 117341

Ion Ratio Lower Upper

69 100

41 64.8 52.1 78.1

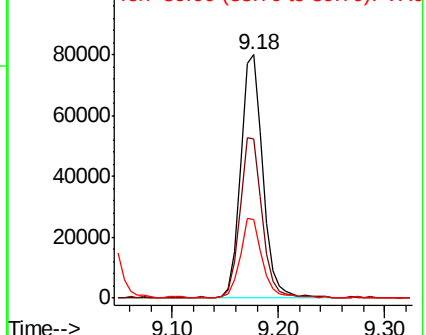
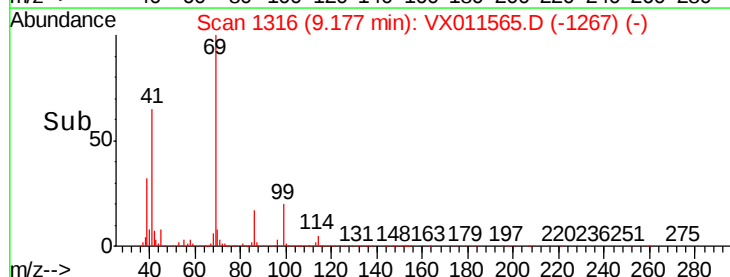
39 32.0 25.4 38.0

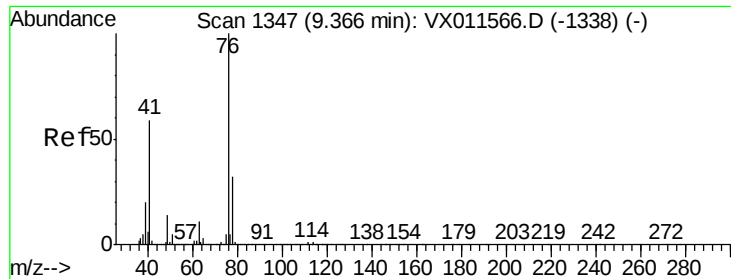


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 21.257 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

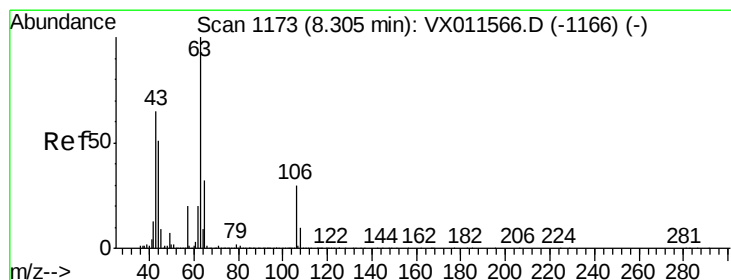
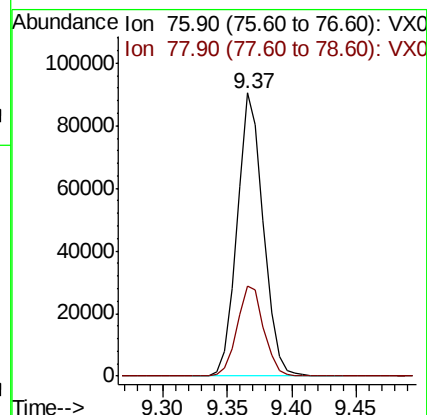
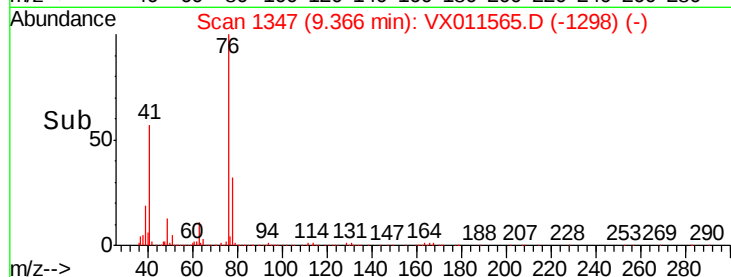
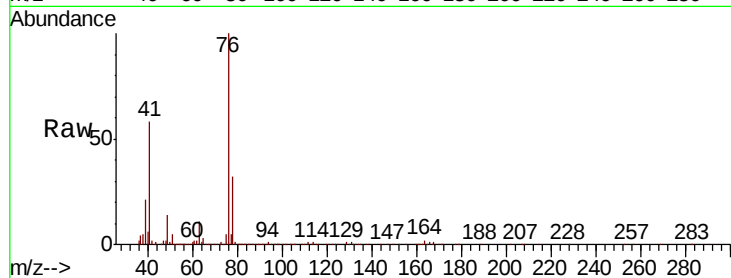
VSTDIC020

Tgt Ion: 76 Resp: 127955

Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 111.538 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011565.D

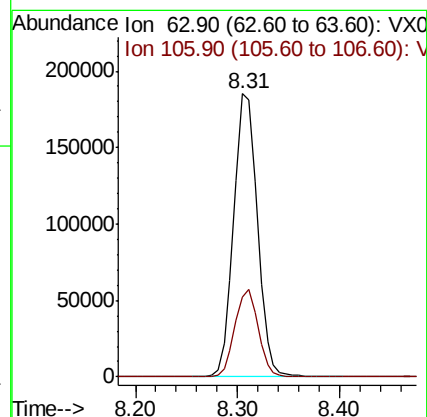
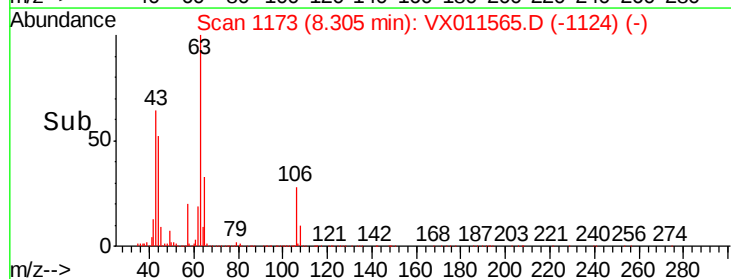
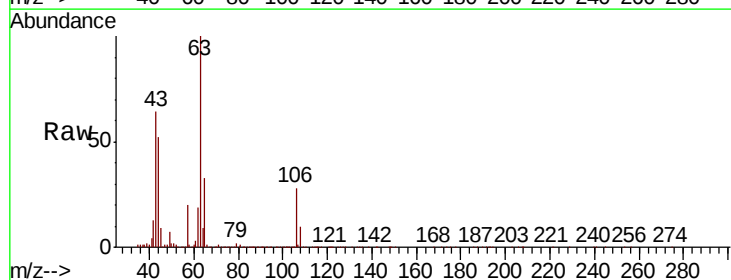
Acq: 15 Aug 2019 18:27

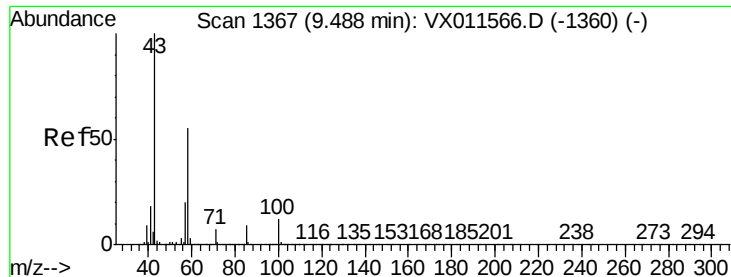
Tgt Ion: 63 Resp: 297376

Ion Ratio Lower Upper

63 100

106 30.3 24.7 37.1

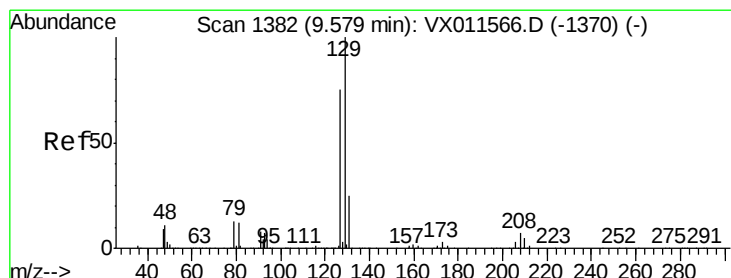
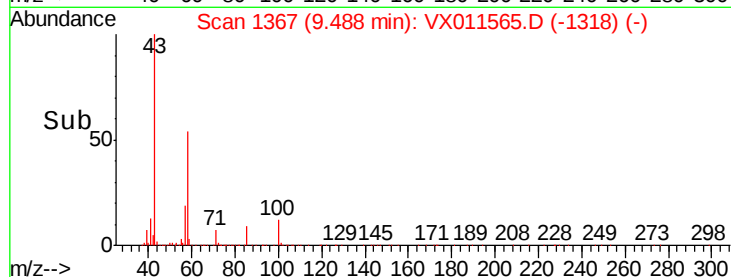
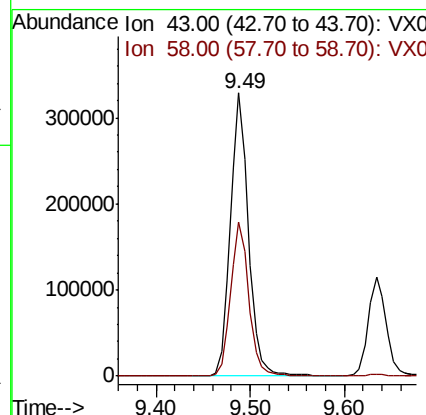
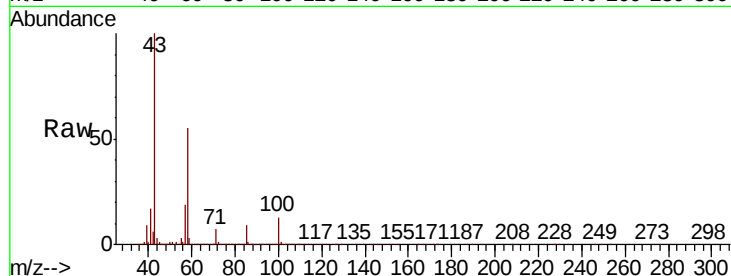




#59
2-Hexanone
Concen: 111.543 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

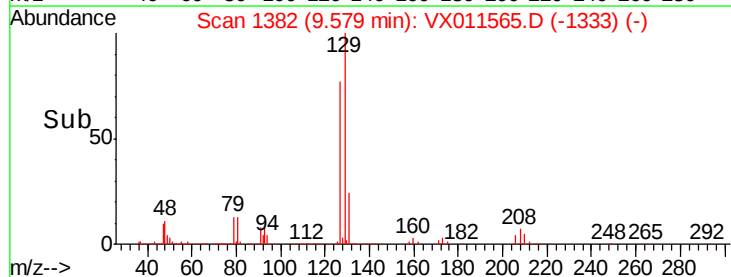
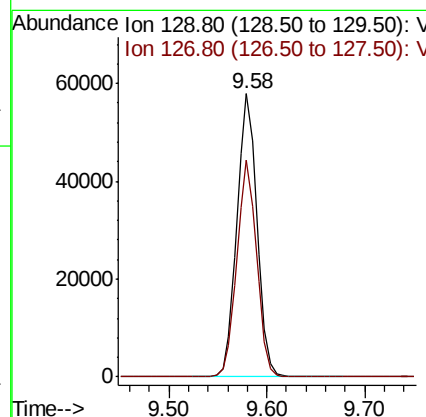
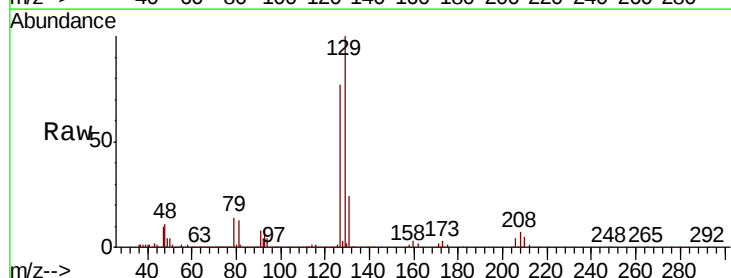
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

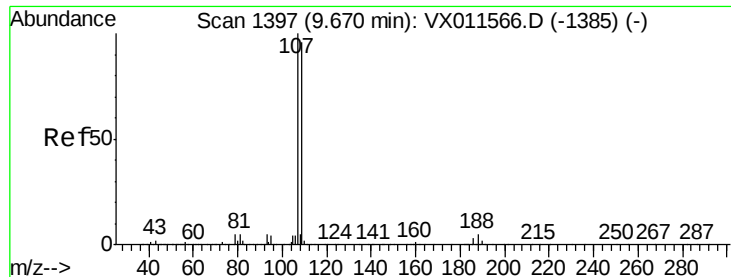
Tgt Ion: 43 Resp: 436476
Ion Ratio Lower Upper
43 100
58 55.0 27.5 82.4



#60
Dibromochloromethane
Concen: 21.380 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 129 Resp: 82781
Ion Ratio Lower Upper
129 100
127 75.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 20.888 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

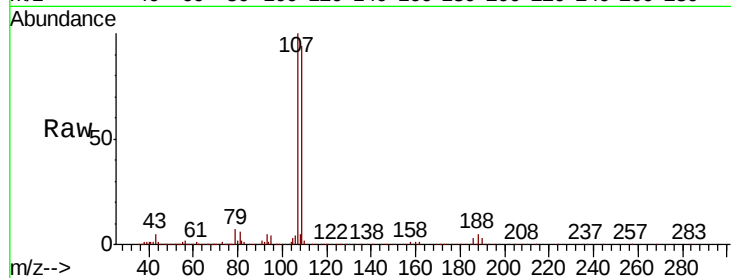
VSTDIC020

Tgt Ion: 107 Resp: 83995

Ion Ratio Lower Upper

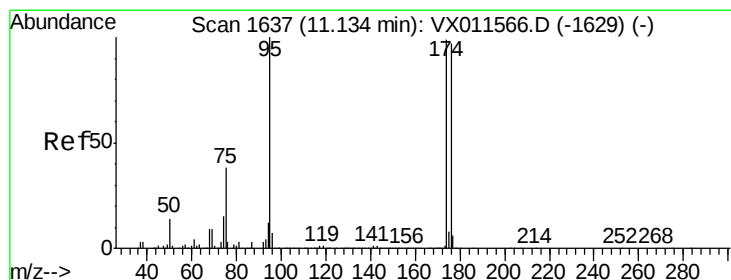
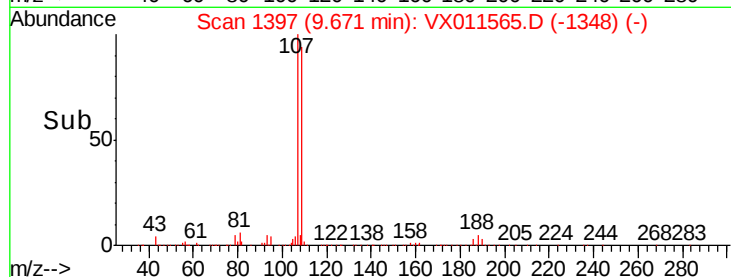
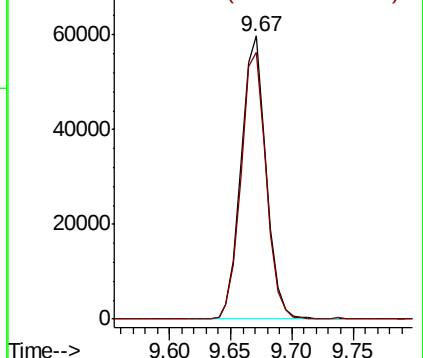
107 100

109 95.1 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.785 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

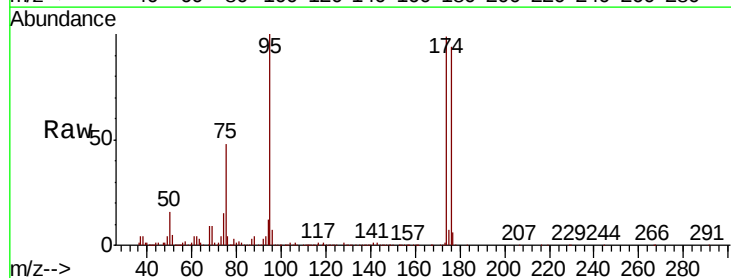
Tgt Ion: 95 Resp: 93134

Ion Ratio Lower Upper

95 100

174 98.7 0.0 200.6

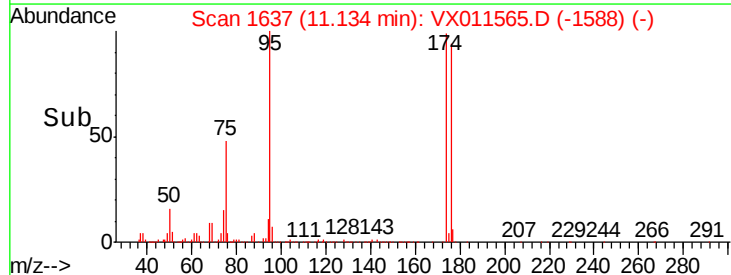
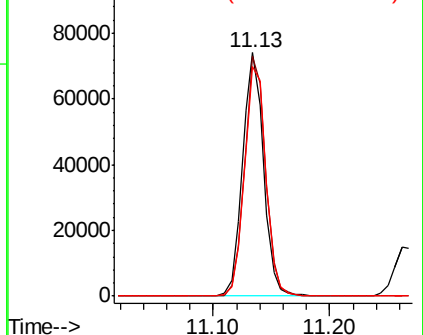
176 96.7 0.0 196.6

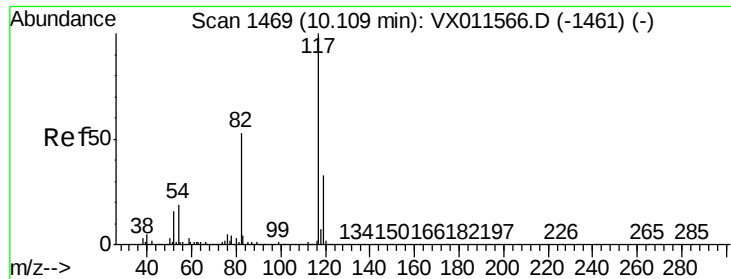


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

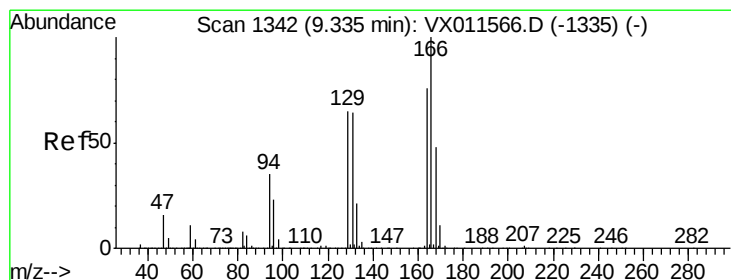
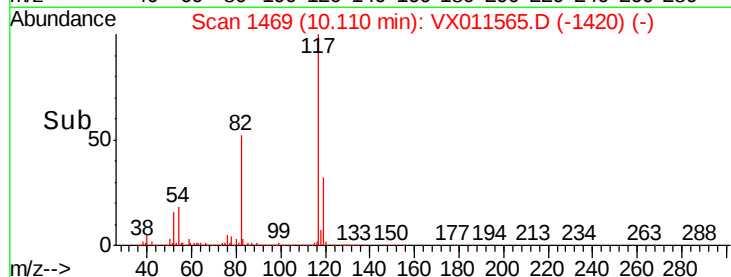
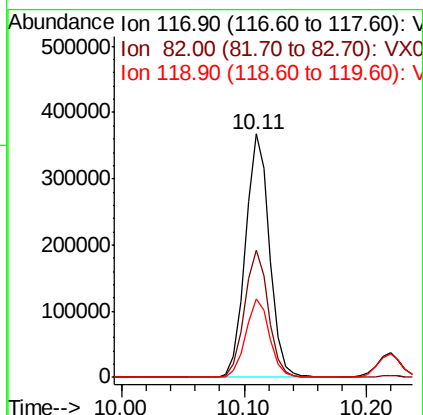
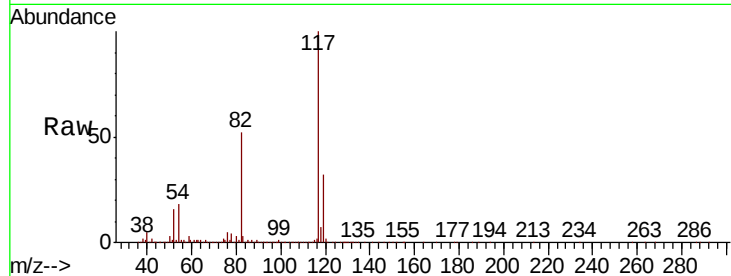




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

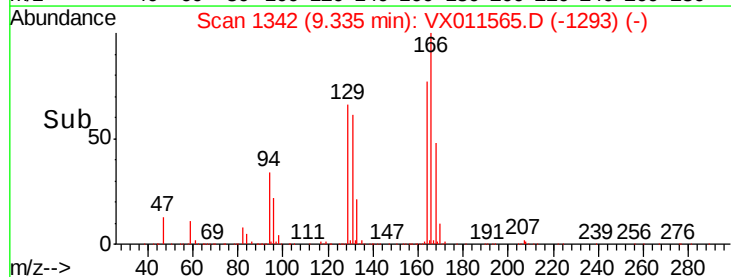
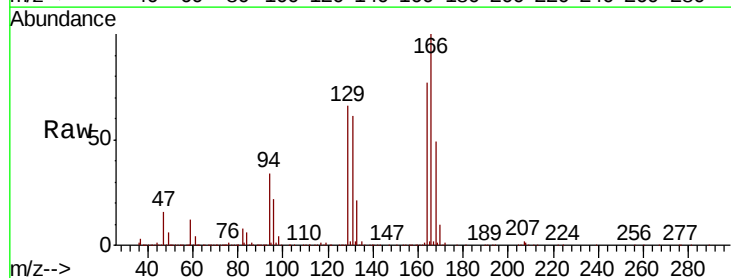
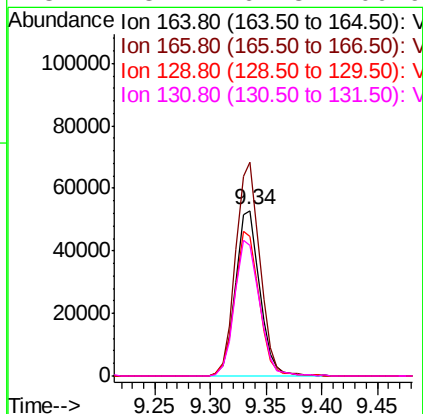
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

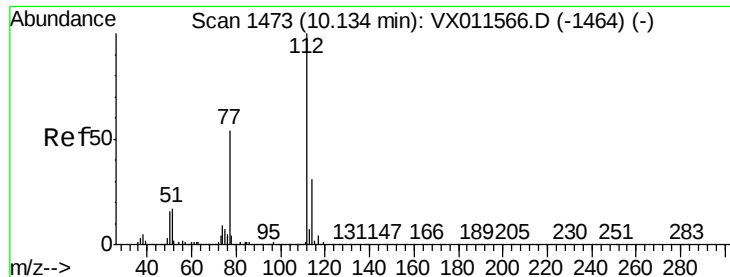
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.0	63.0
119	32.3	26.5	39.7



#64
Tetrachloroethene
Concen: 20.049 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.7	157.1
129	84.5	68.2	102.4
131	78.7	67.3	100.9

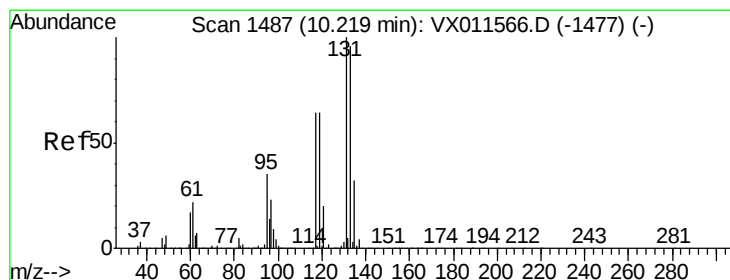
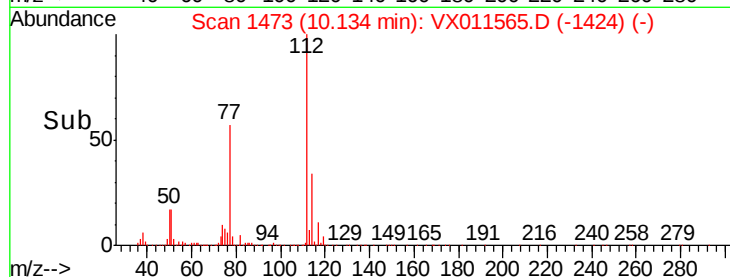
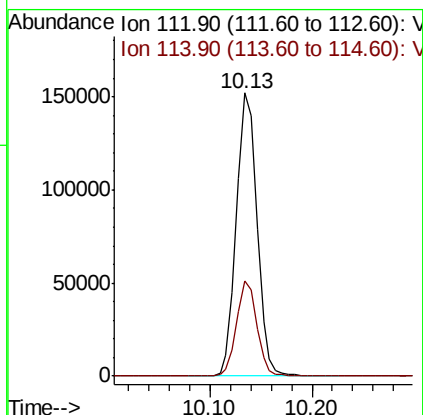
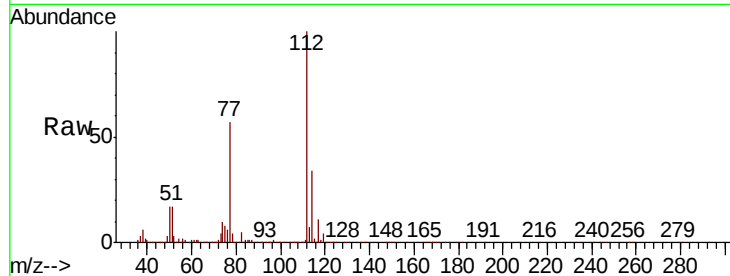




#65
Chlorobenzene
Concen: 20.392 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

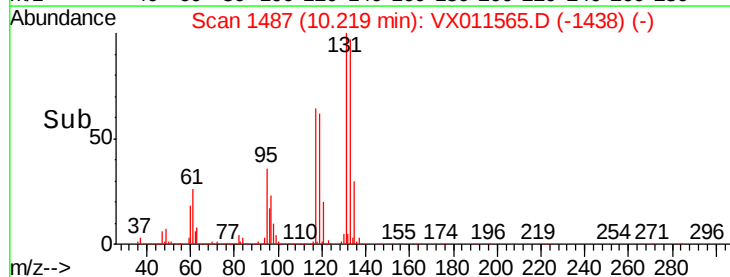
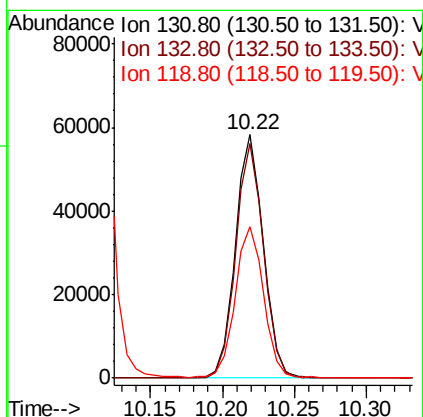
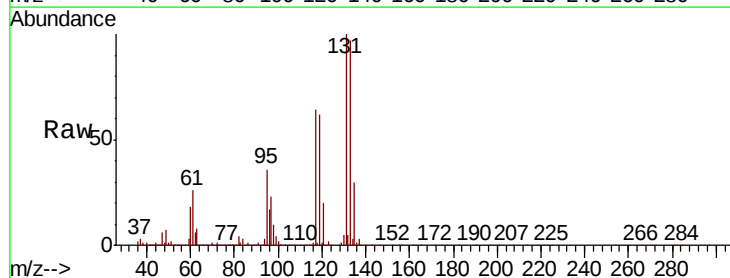
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

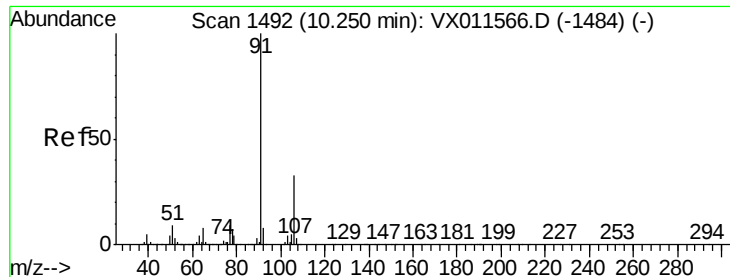
Tgt Ion:112 Resp: 212685
Ion Ratio Lower Upper
112 100
114 33.8 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.353 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion:131 Resp: 78691
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.4
119 63.0 31.3 93.8





#67

Ethyl Benzene

Concen: 20.362 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

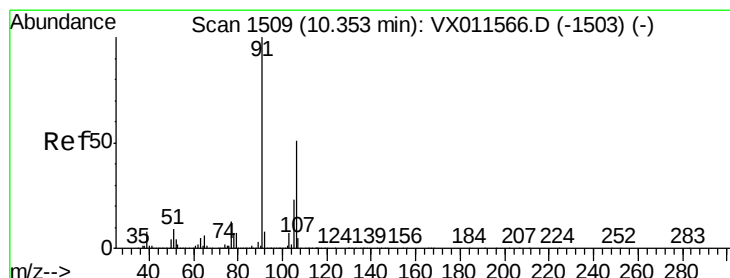
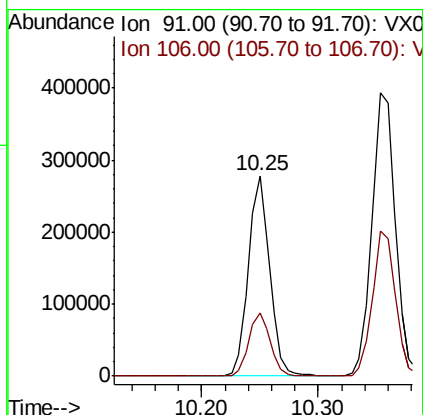
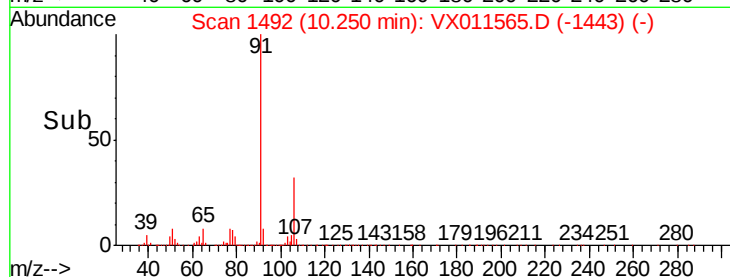
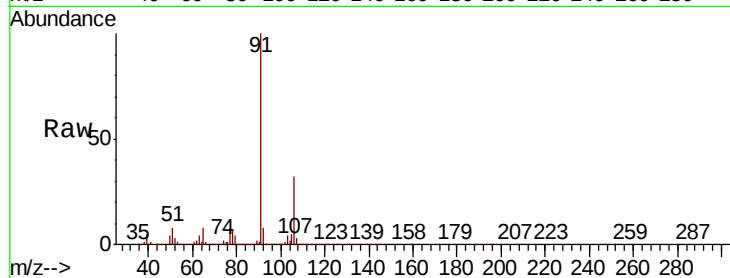
VSTDIC020

Tgt Ion: 91 Resp: 358606

Ion Ratio Lower Upper

91 100

106 31.7 26.0 39.0



#68

m/p-Xylenes

Concen: 41.282 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011565.D

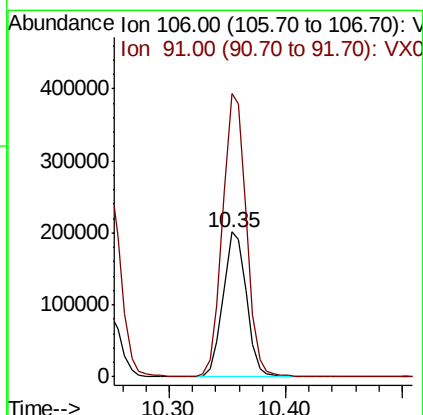
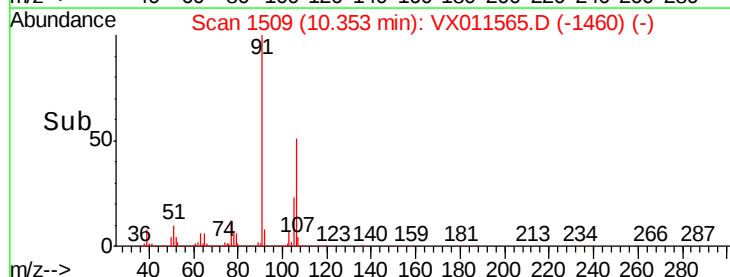
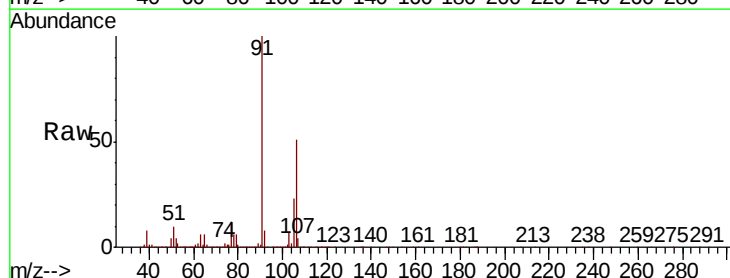
Acq: 15 Aug 2019 18:27

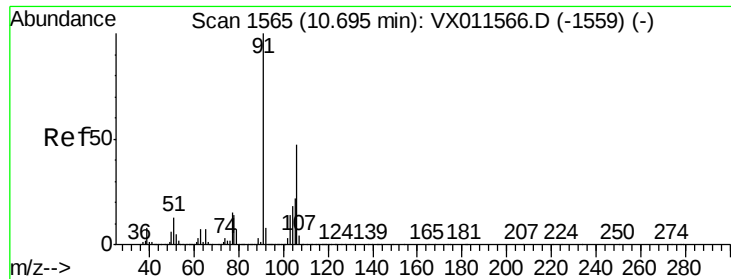
Tgt Ion: 106 Resp: 279884

Ion Ratio Lower Upper

106 100

91 197.4 156.0 234.0

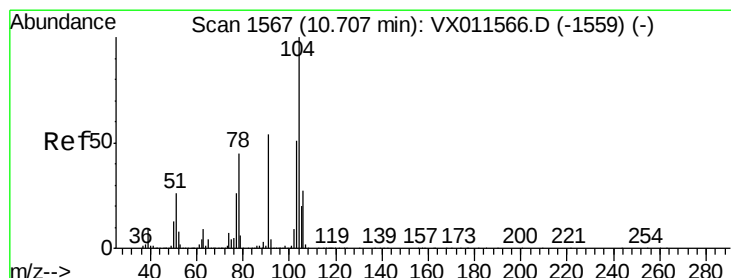
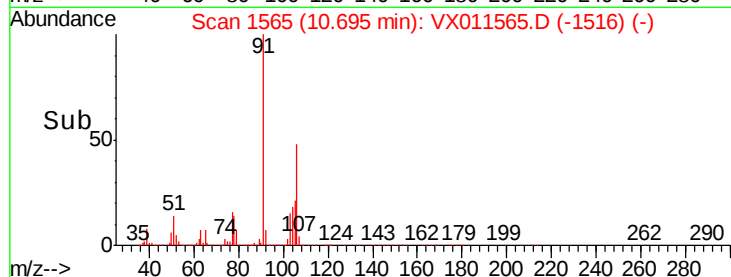
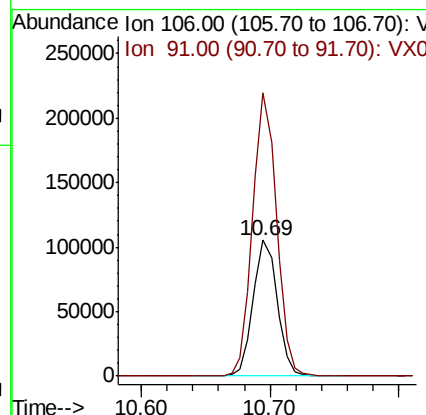
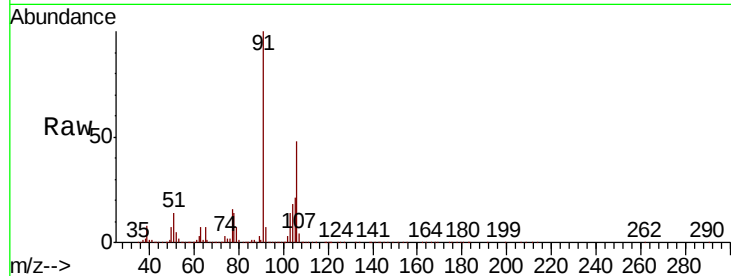




#69
o-Xylene
Concen: 20.643 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

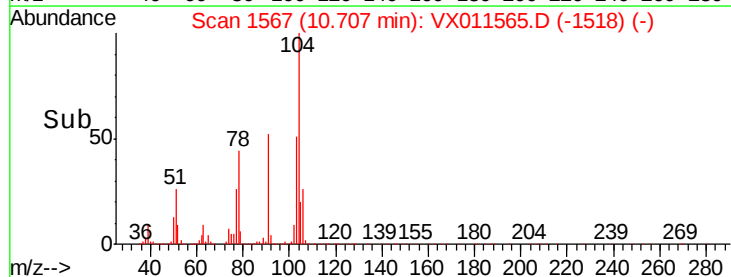
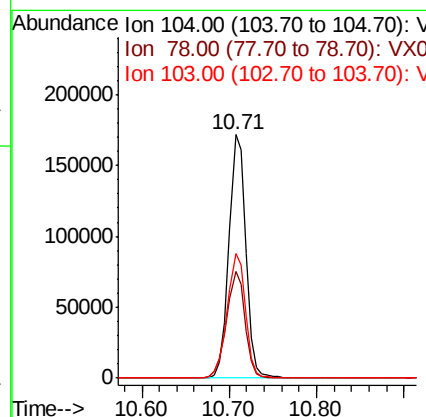
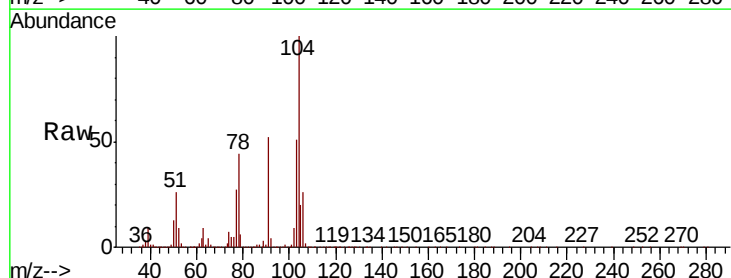
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

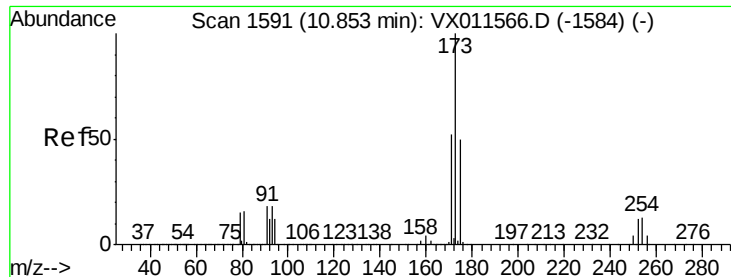
Tgt Ion:106 Resp: 136130
Ion Ratio Lower Upper
106 100
91 205.8 105.5 316.4



#70
Styrene
Concen: 20.762 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion:104 Resp: 228835
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.4
103 55.3 43.6 65.4

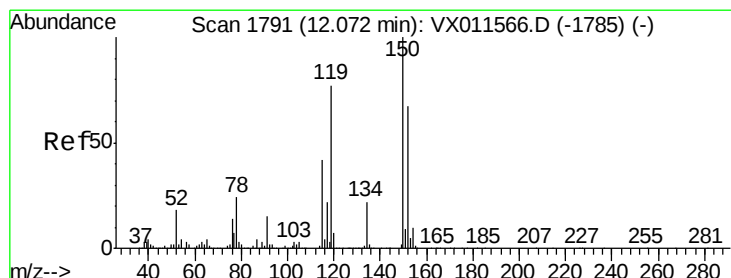
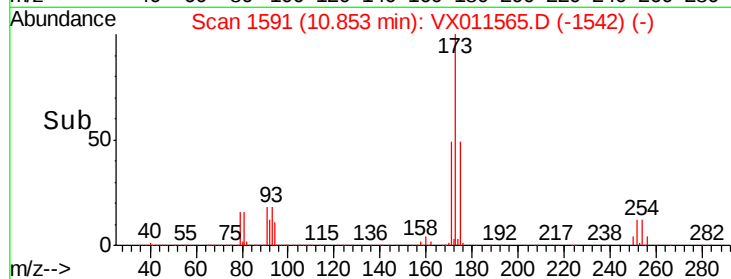
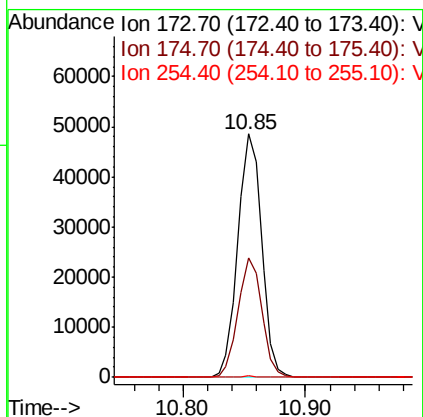
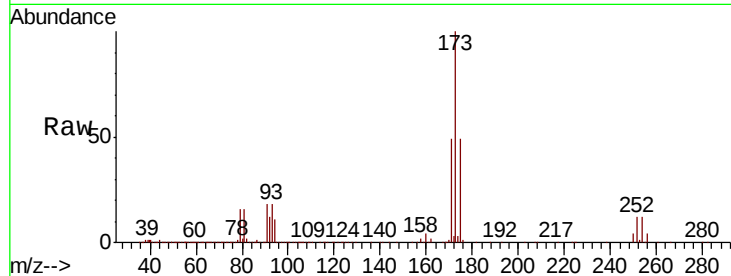




#71
Bromoform
Concen: 21.956 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

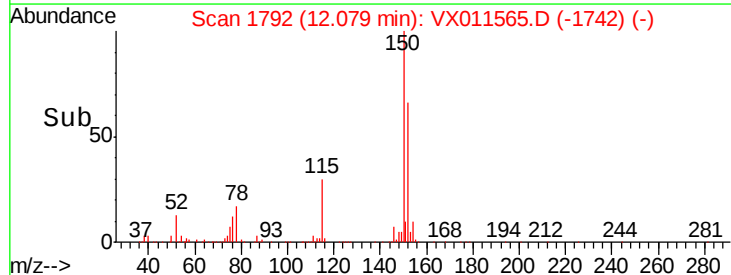
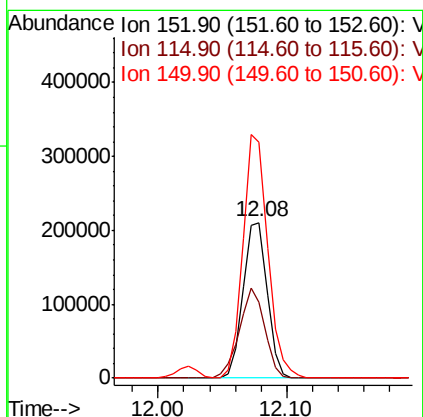
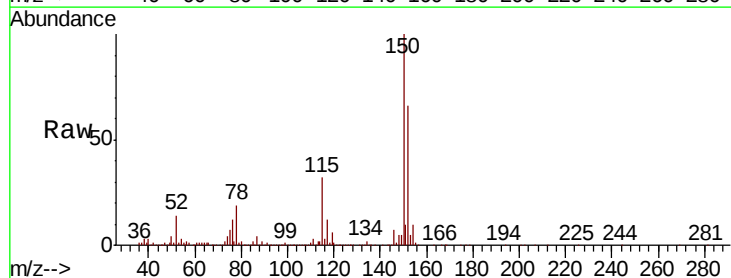
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

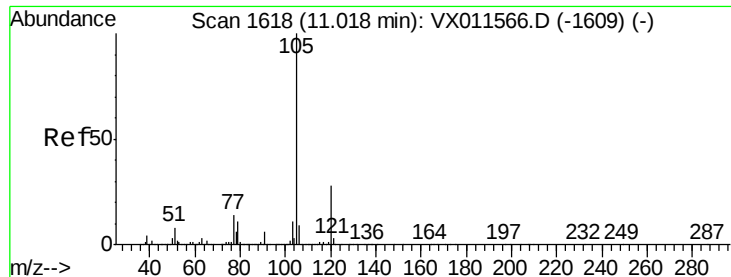
Tgt Ion:173 Resp: 65282
Ion Ratio Lower Upper
173 100
175 49.0 24.9 74.7
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion:152 Resp: 270927
Ion Ratio Lower Upper
152 100
115 61.2 37.3 111.9
150 161.0 0.0 346.2





#73

Isopropylbenzene

Concen: 19.703 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

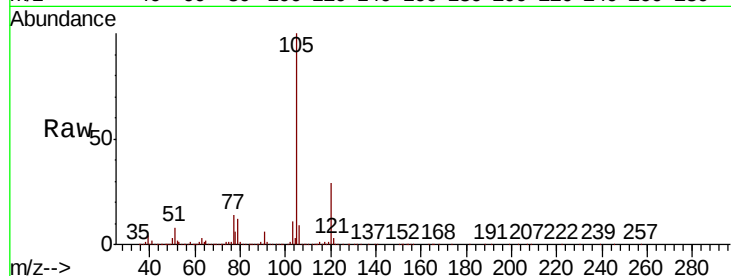
VSTDIC020

Tgt Ion: 105 Resp: 361080

Ion Ratio Lower Upper

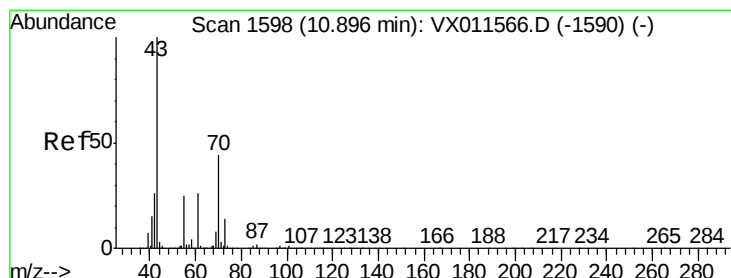
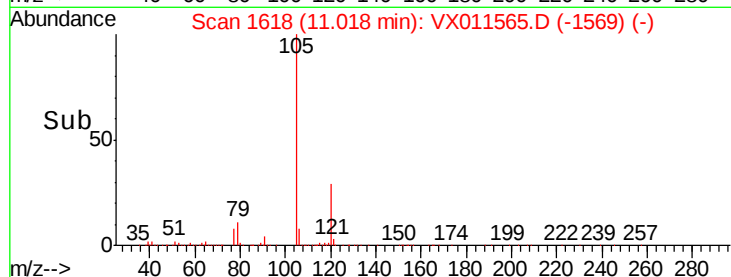
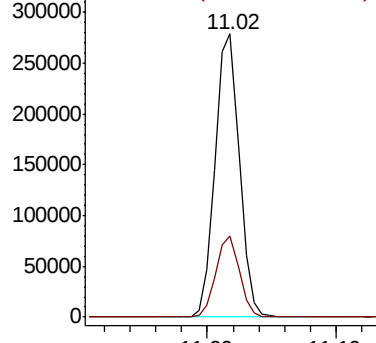
105 100

120 27.9 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.720 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion: 43 Resp: 146365

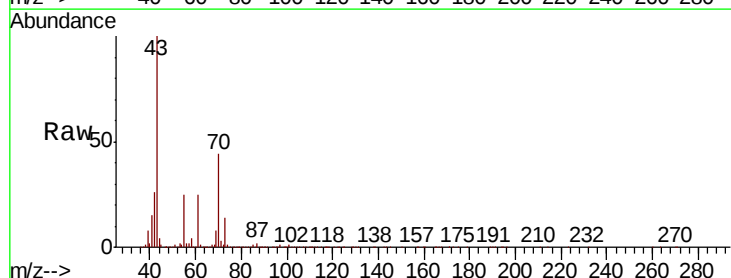
Ion Ratio Lower Upper

43 100

70 43.6 34.7 52.1

55 25.4 19.6 29.4

61 24.5 19.9 29.9

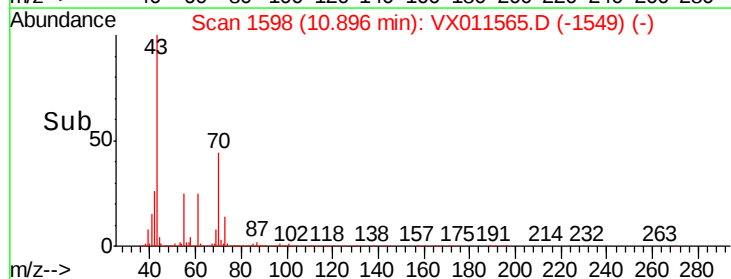
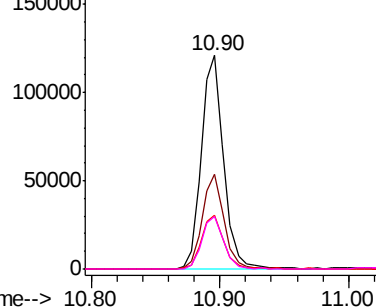


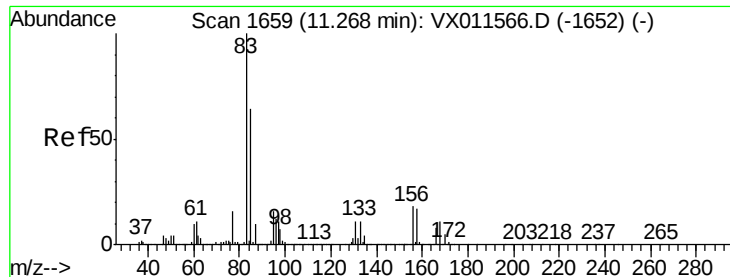
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.298 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

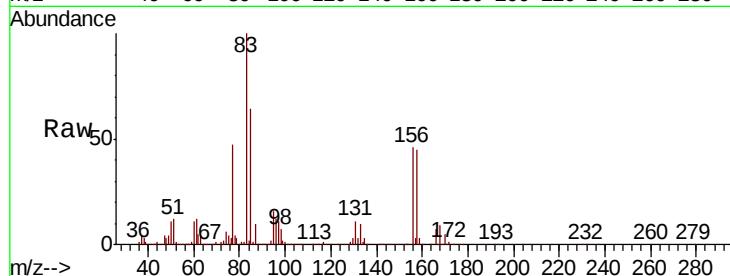
Tgt Ion: 83 Resp: 122149

Ion Ratio Lower Upper

83 100

131 12.0 5.8 17.3

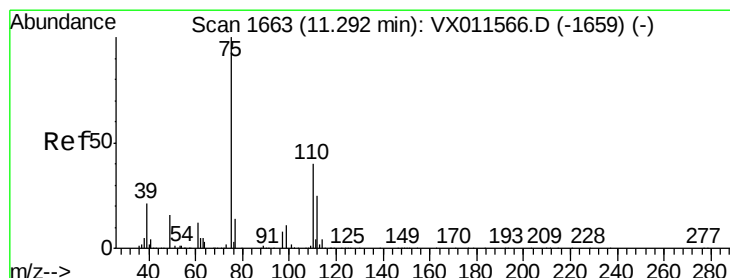
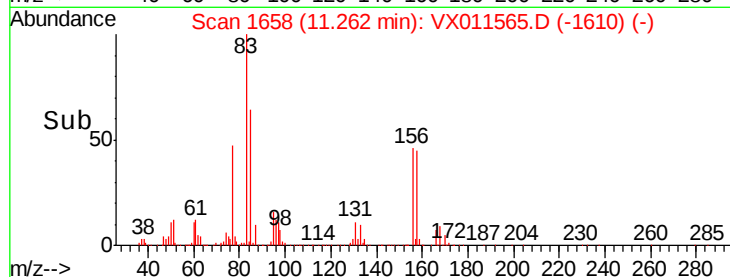
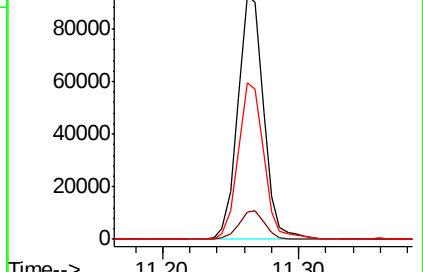
85 64.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.472 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011565.D

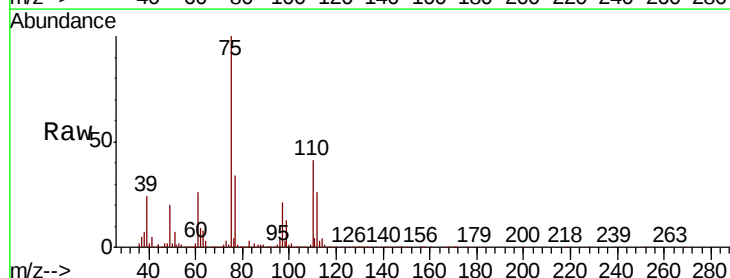
Acq: 15 Aug 2019 18:27

Tgt Ion: 75 Resp: 131130

Ion Ratio Lower Upper

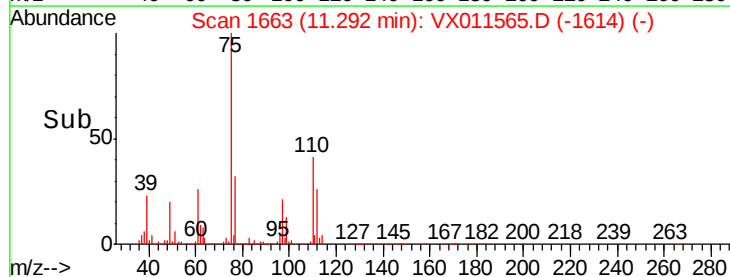
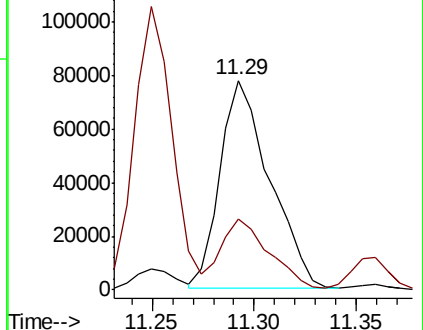
75 100

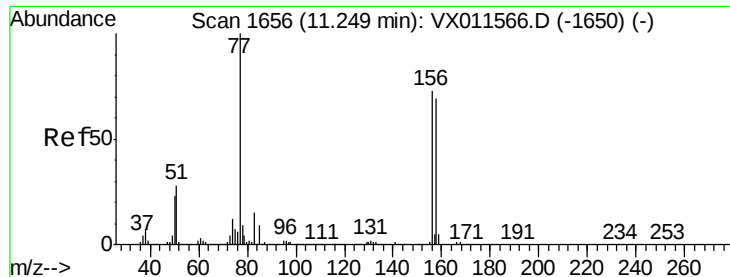
77 33.1 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.510 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

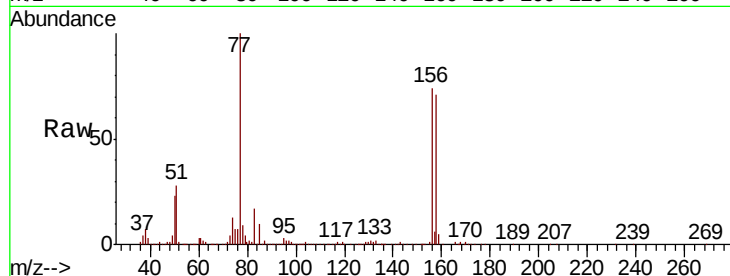
Tgt Ion:156 Resp: 104924

Ion Ratio Lower Upper

156 100

77 129.3 64.6 193.9

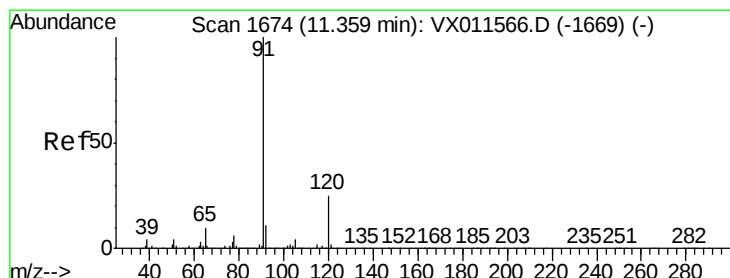
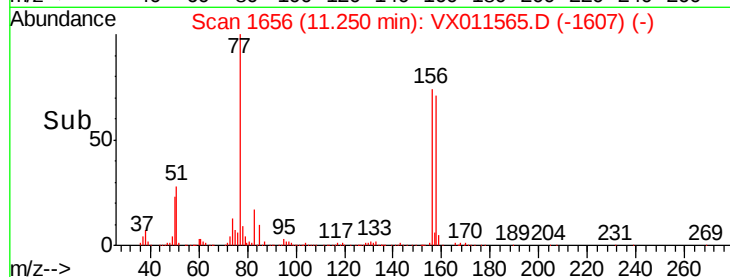
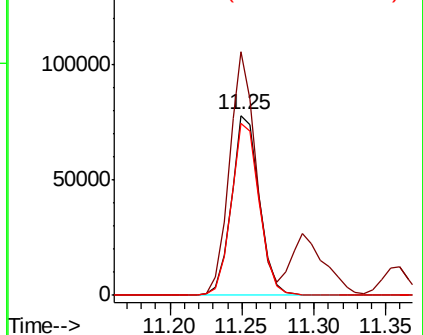
158 96.9 48.4 145.3



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: 19.386 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011565.D

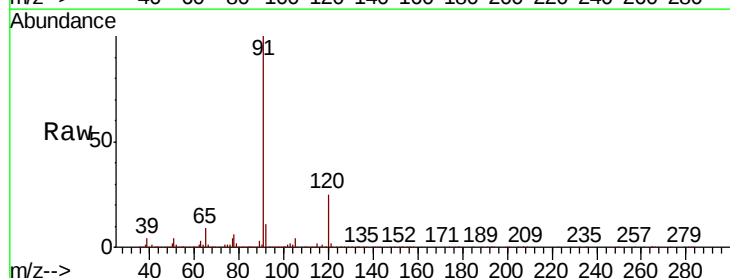
Acq: 15 Aug 2019 18:27

Tgt Ion: 91 Resp: 390941

Ion Ratio Lower Upper

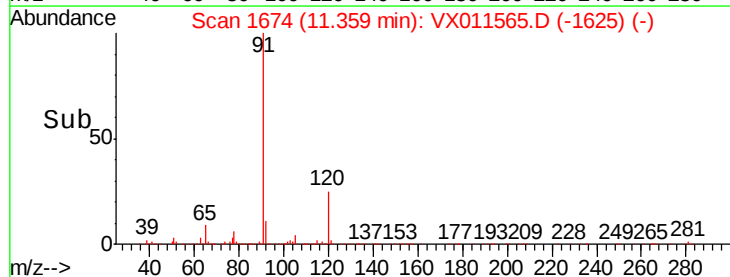
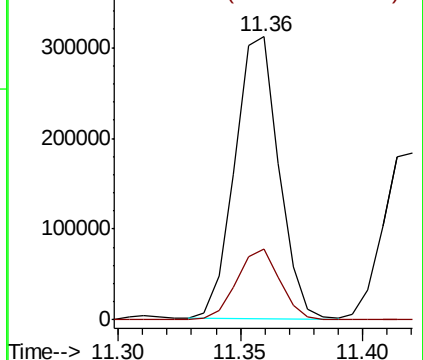
91 100

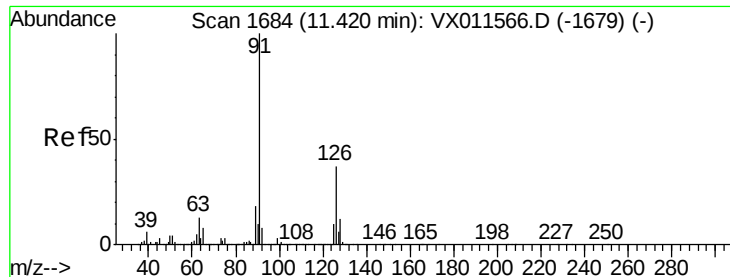
120 24.8 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

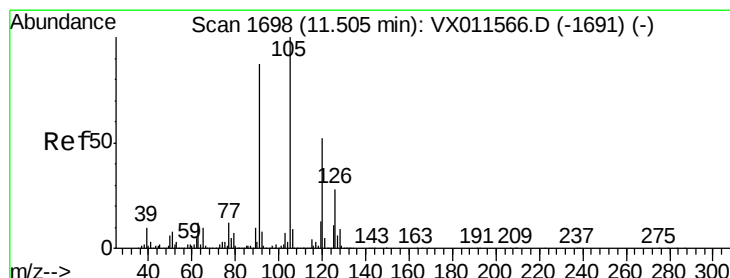
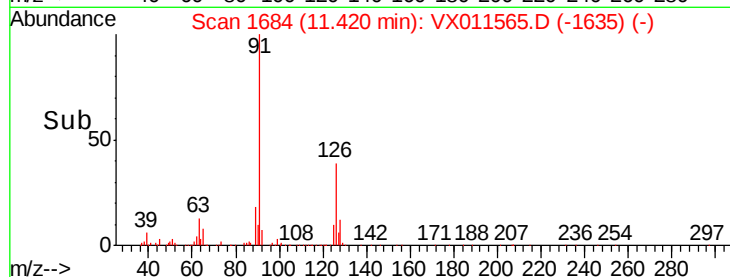
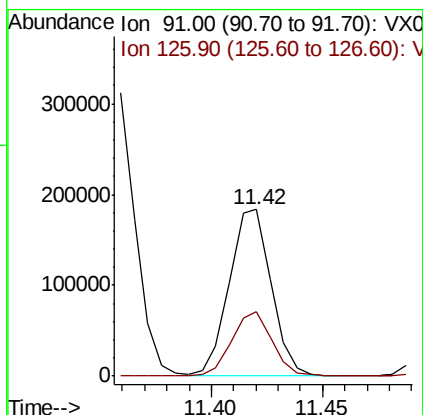
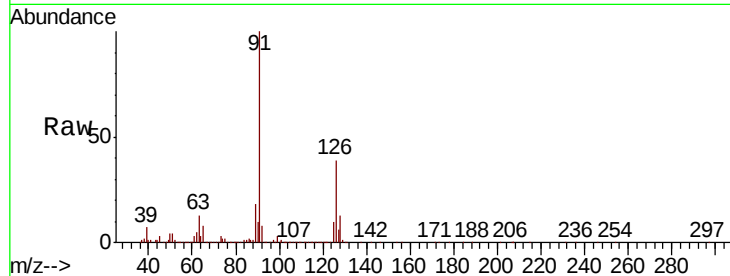




#79
2-Chlorotoluene
Concen: 19.726 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

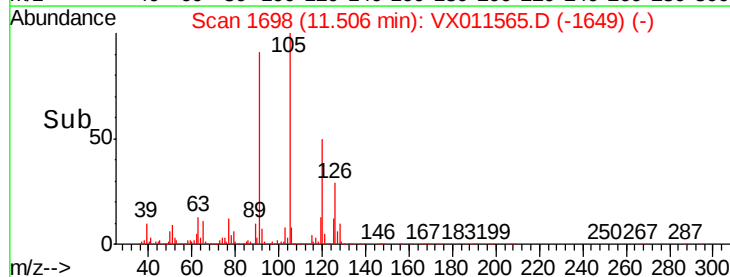
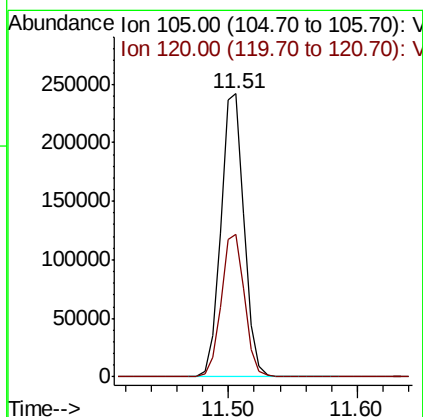
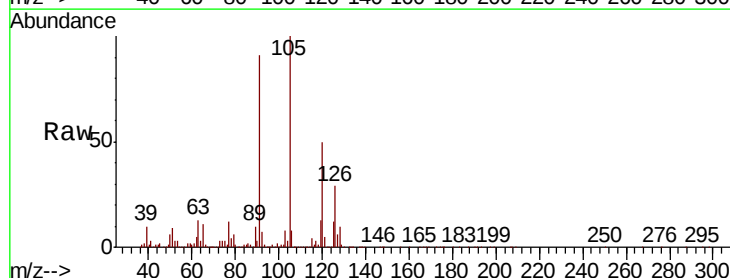
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

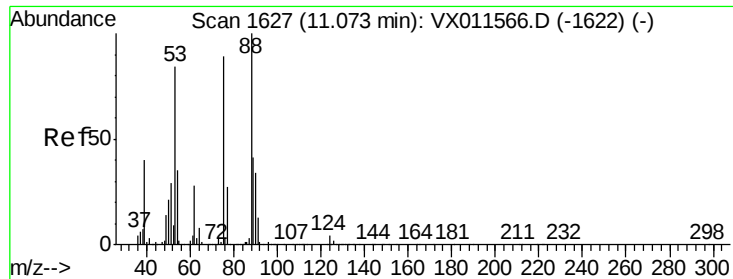
Tgt Ion: 91 Resp: 240102
Ion Ratio Lower Upper
91 100
126 37.2 18.4 55.0



#80
1,3,5-Trimethylbenzene
Concen: 20.093 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 105 Resp: 307401
Ion Ratio Lower Upper
105 100
120 50.3 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.691 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

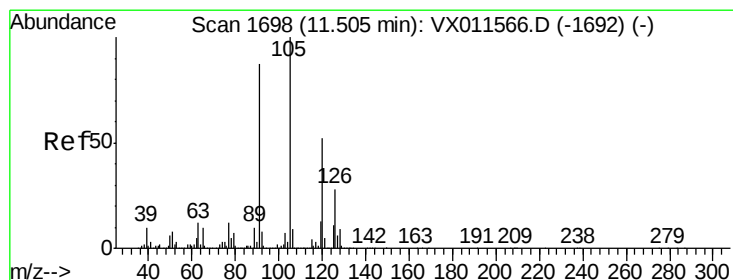
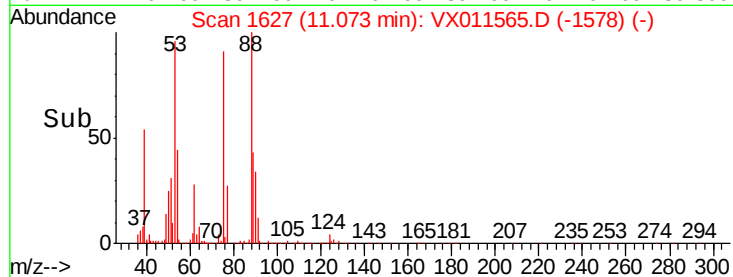
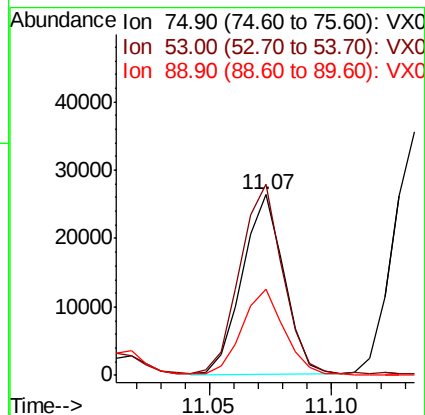
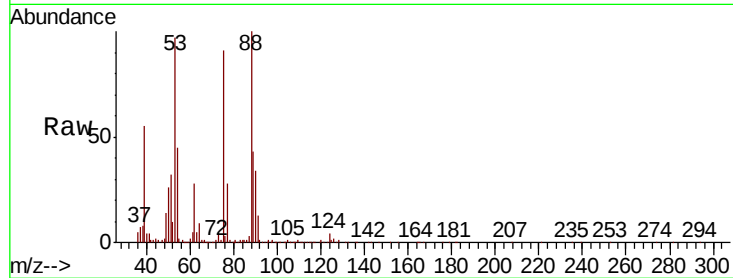
Tgt Ion: 75 Resp: 31494

Ion Ratio Lower Upper

75 100

53 108.6 77.4 116.0

89 49.1 37.3 55.9



#82

4-Chlorotoluene

Concen: 19.432 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011565.D

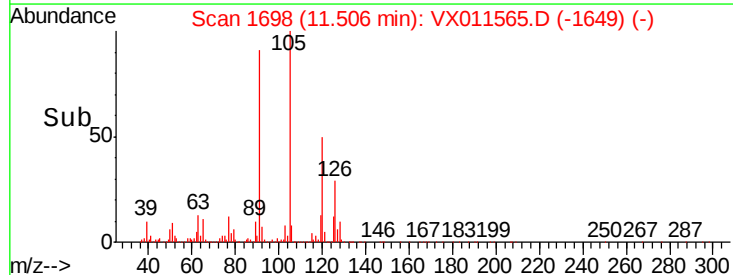
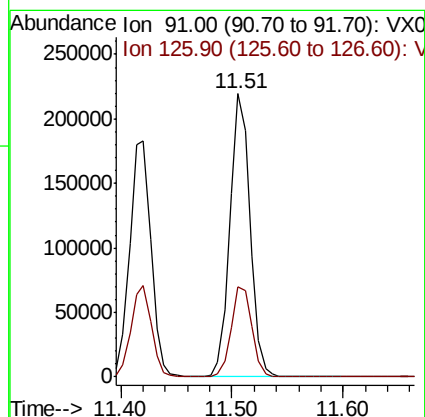
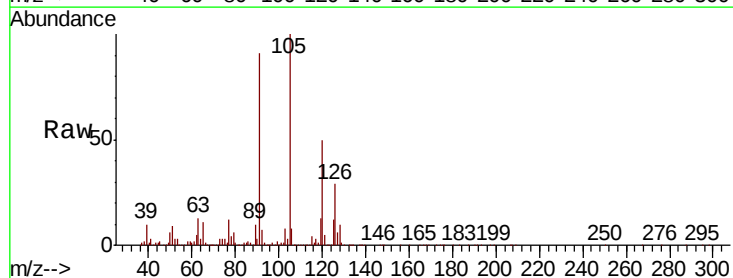
Acq: 15 Aug 2019 18:27

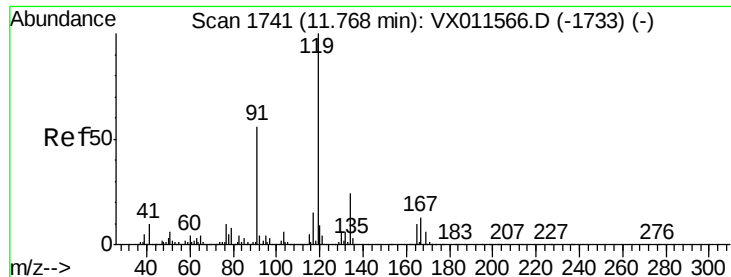
Tgt Ion: 91 Resp: 274693

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.1

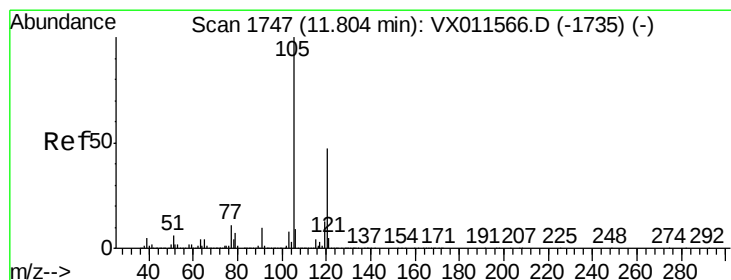
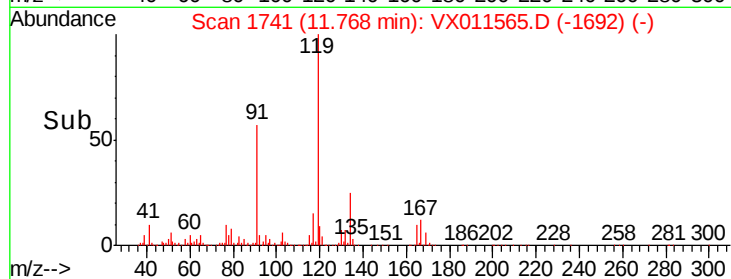
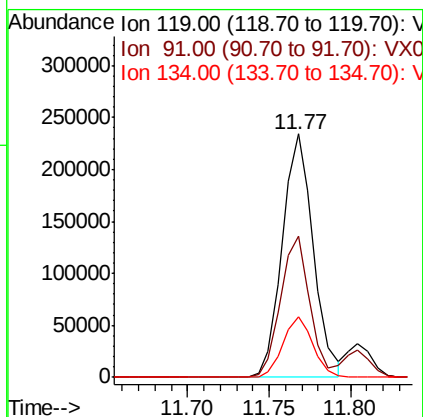
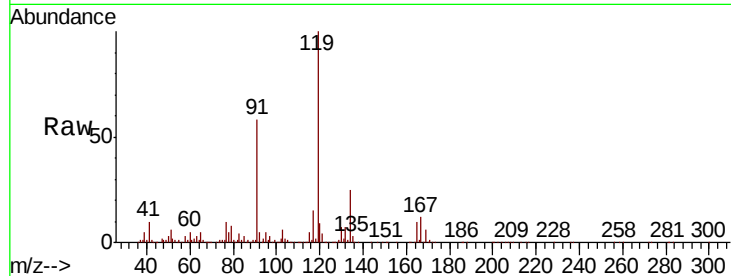




#83
 tert-Butylbenzene
 Concen: 20.523 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

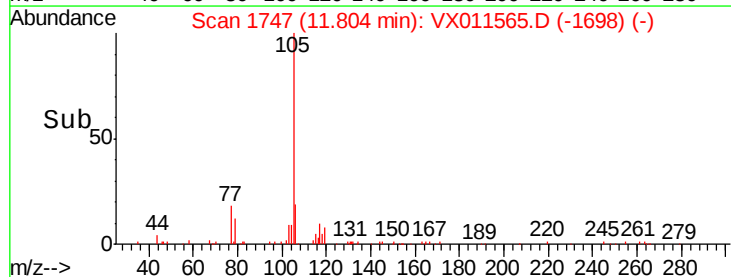
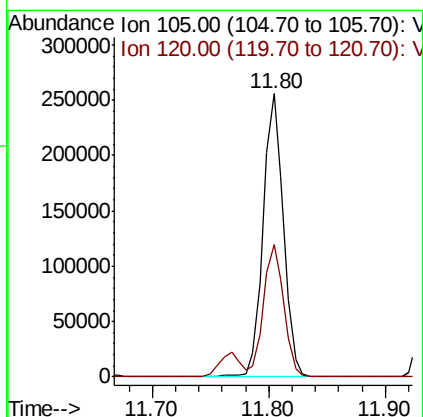
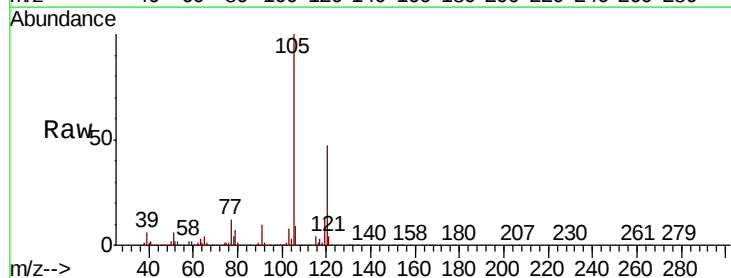
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

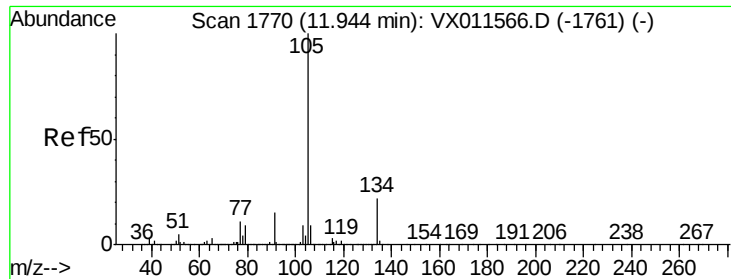
Tgt Ion:119 Resp: 310472
 Ion Ratio Lower Upper
 119 100
 91 54.0 27.1 81.3
 134 24.0 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.005 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion:105 Resp: 308977
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.9





#85

sec-Butylbenzene

Concen: 19.817 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

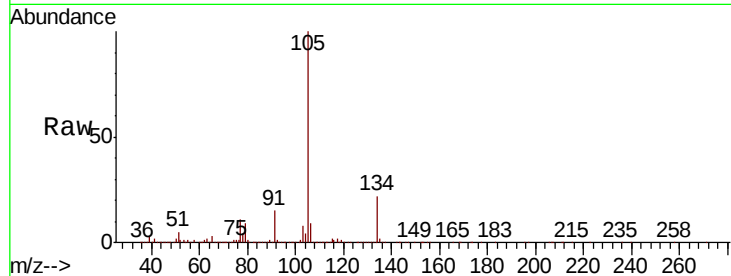
VSTDIC020

Tgt Ion:105 Resp: 348474

Ion Ratio Lower Upper

105 100

134 22.0 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

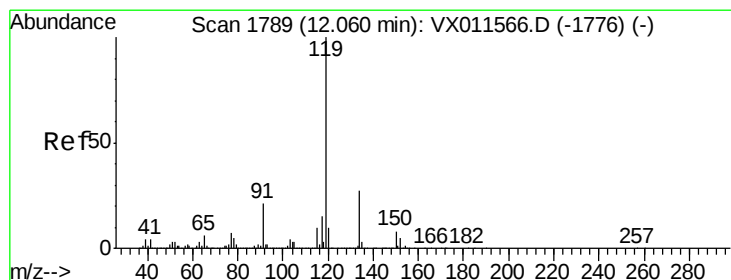
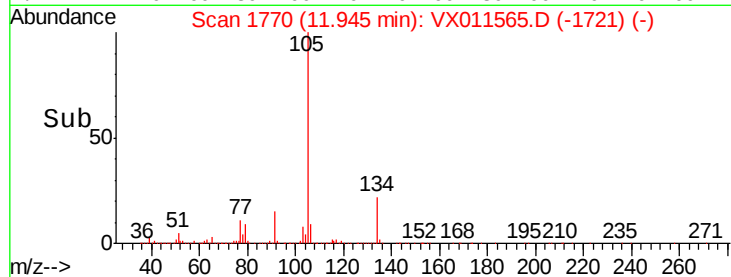
200000

100000

0

11.85 11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.175 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

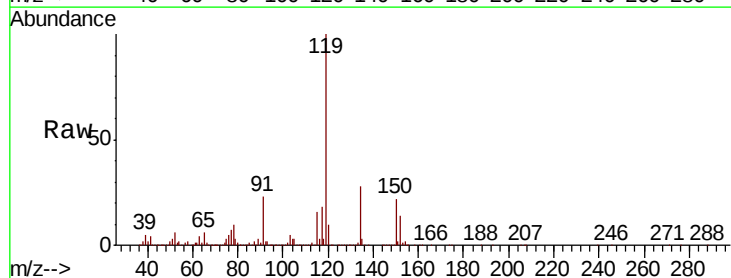
Tgt Ion:119 Resp: 329778

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.8

91 22.5 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

300000

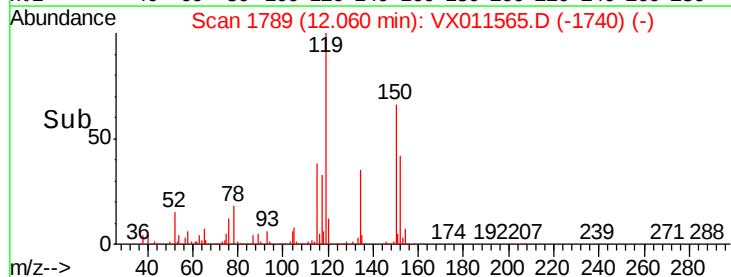
200000

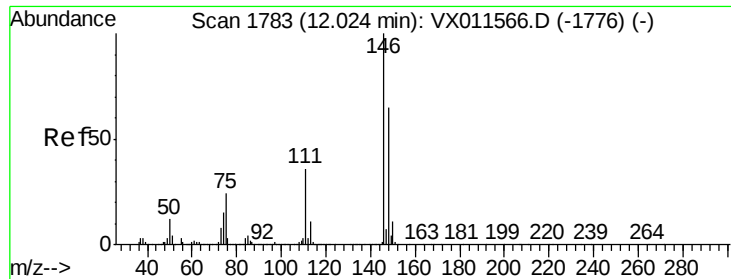
100000

0

12.00 12.10

Time-->

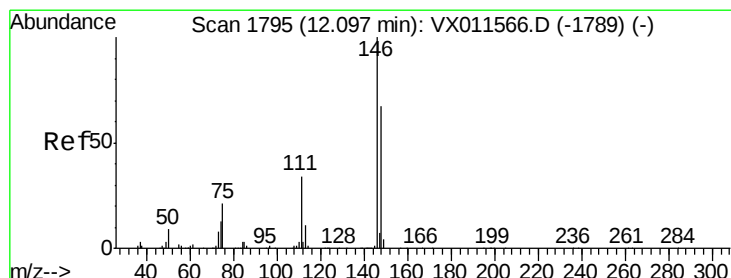
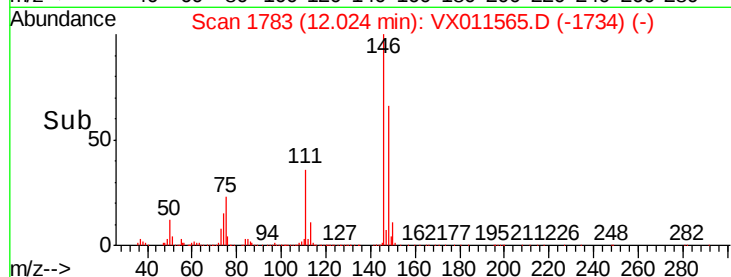
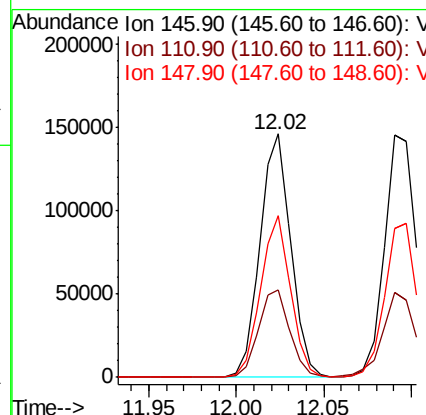
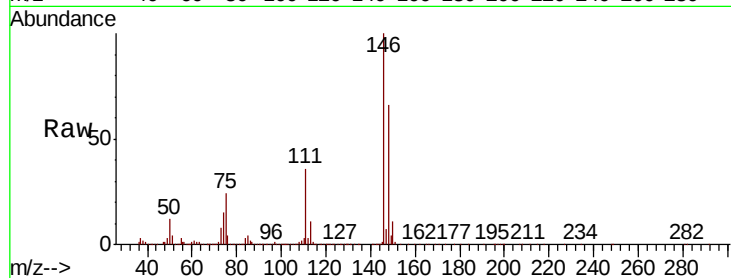




#87
 1,3-Dichlorobenzene
 Concen: 20.232 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

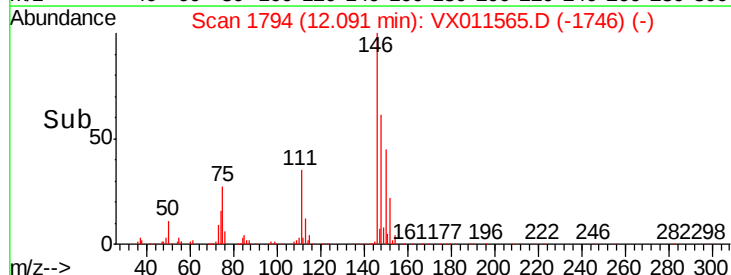
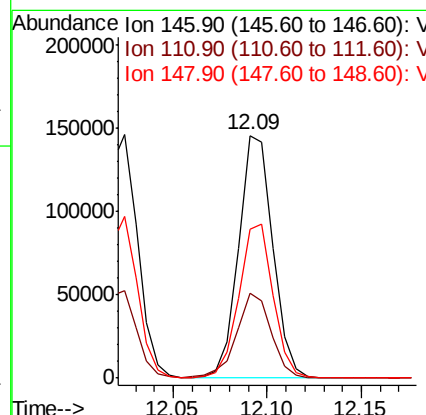
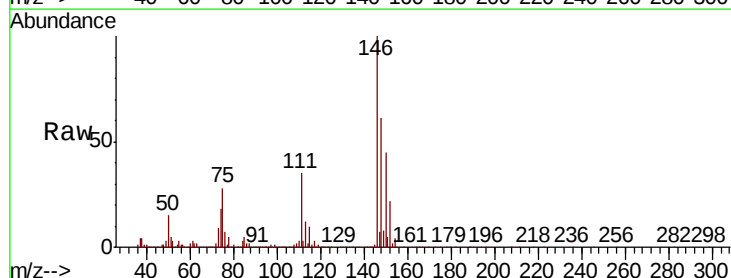
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

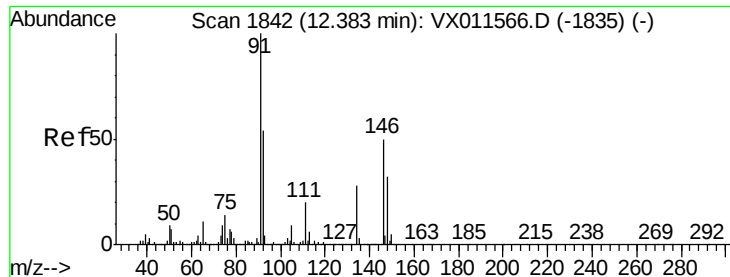
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.4
148	64.6	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.214 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.9	53.7
148	63.8	32.5	97.5

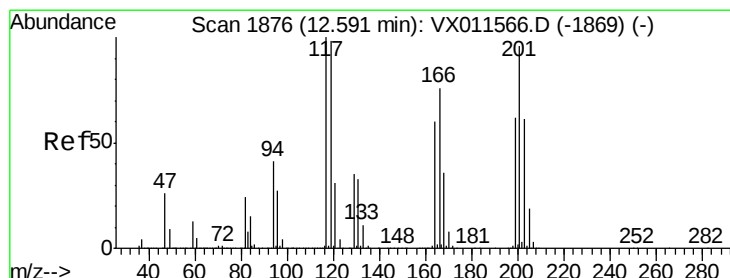
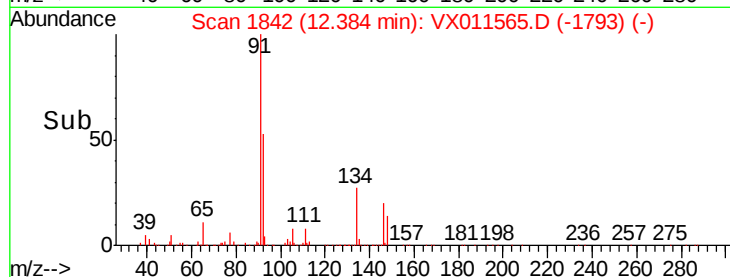
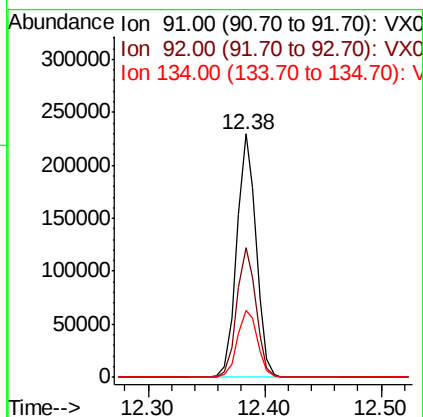
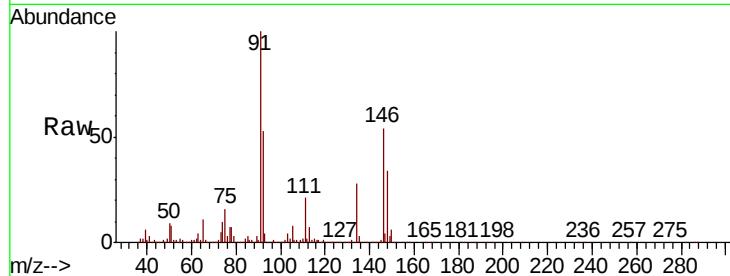




#89
n-Butylbenzene
Concen: 19.156 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

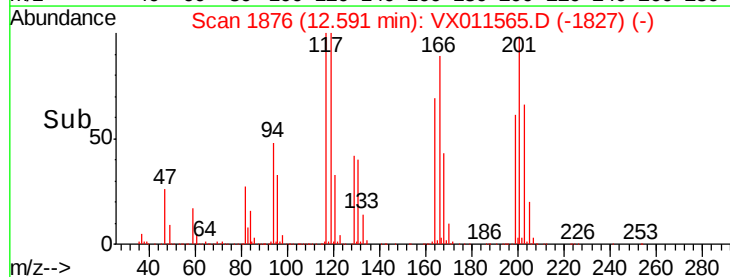
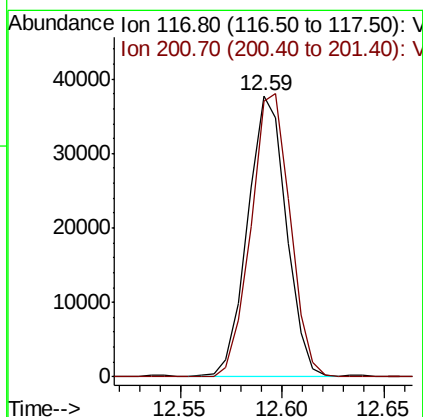
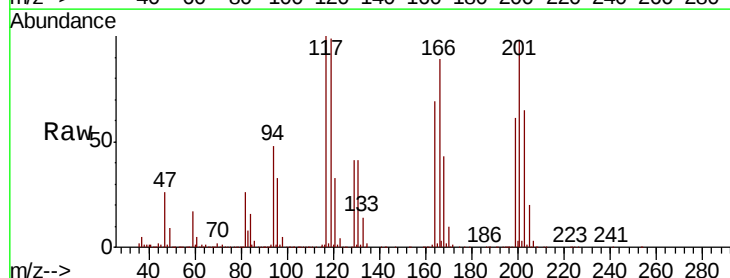
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

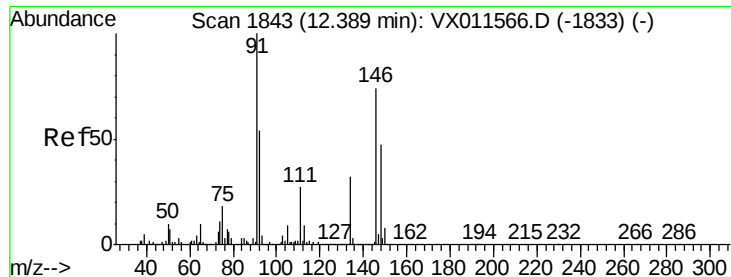
Tgt Ion: 91 Resp: 265334
Ion Ratio Lower Upper
91 100
92 53.3 26.8 80.3
134 28.9 14.6 44.0



#90
Hexachloroethane
Concen: 19.248 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 117 Resp: 49435
Ion Ratio Lower Upper
117 100
201 102.7 51.9 155.7





#91

1,2-Dichlorobenzene

Concen: 20.707 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

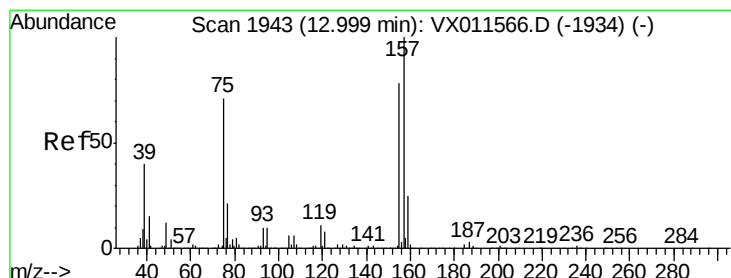
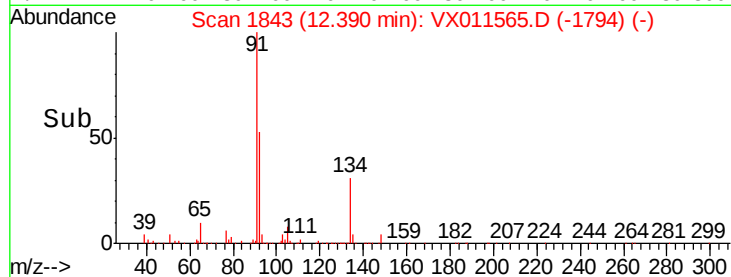
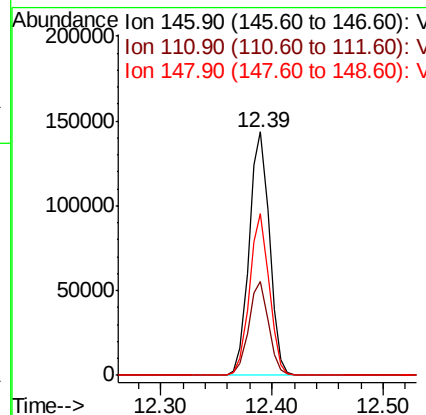
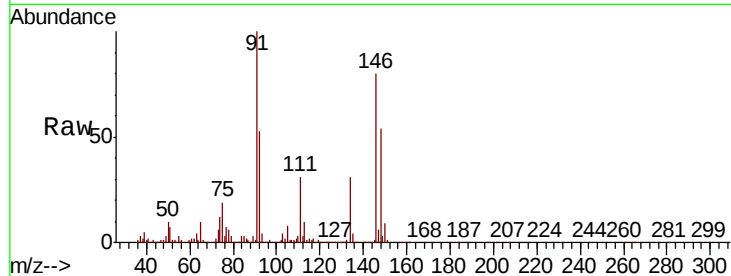
Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	181709
Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.1	31.9	95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.034 ug/l

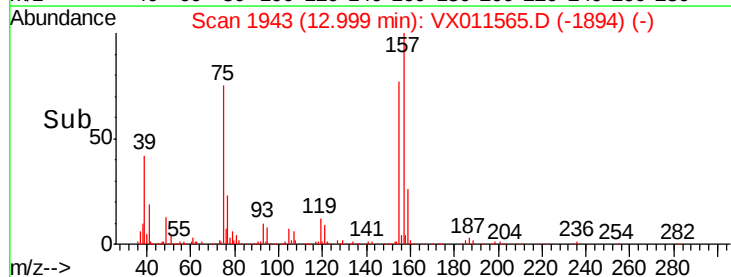
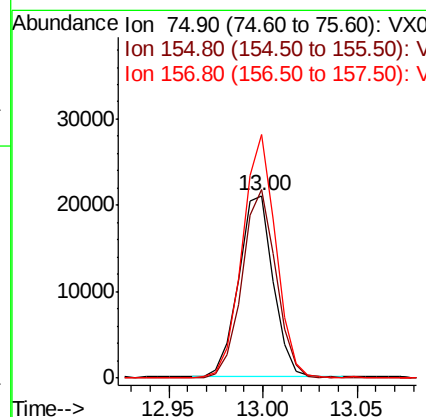
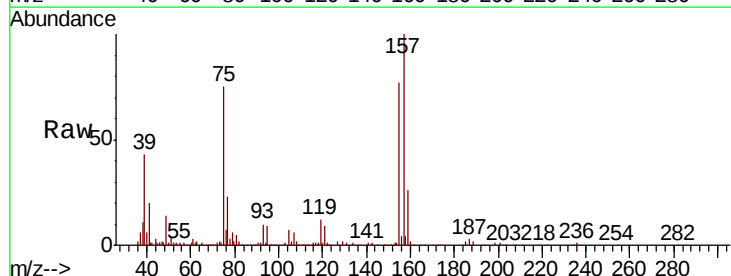
RT: 13.00 min Scan# 1943

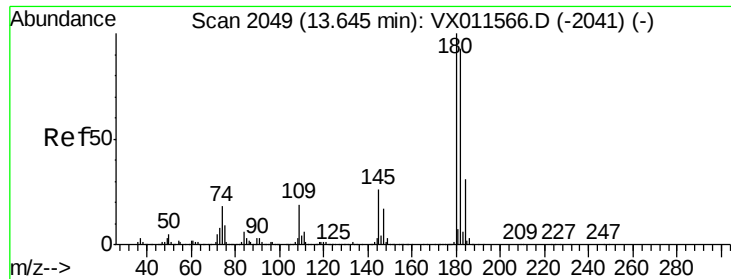
Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	75	Resp:	26734
Ion	Ratio	Lower	Upper
75	100		
155	101.9	53.0	159.0
157	131.0	68.3	205.1

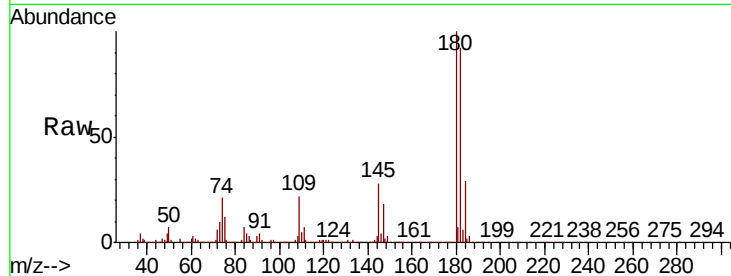




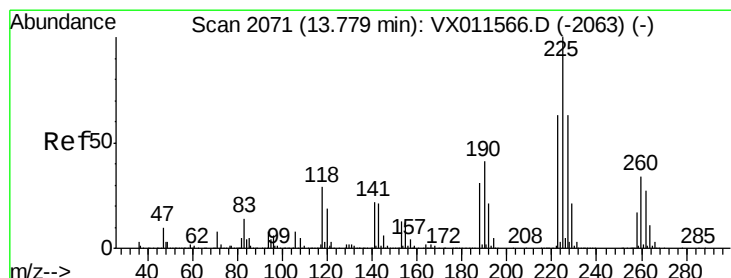
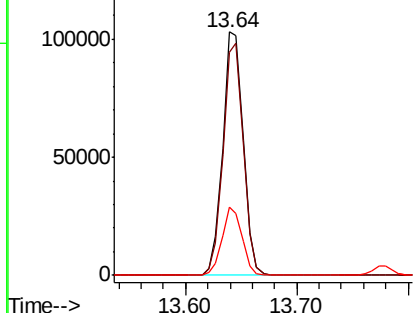
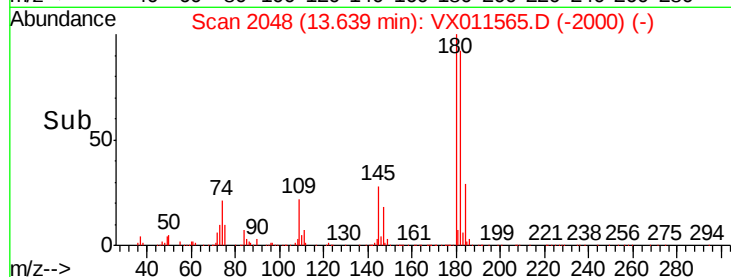
#93
 1,2,4-Trichlorobenzene
 Concen: 21.712 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	142.0
145	27.1	13.6	40.8

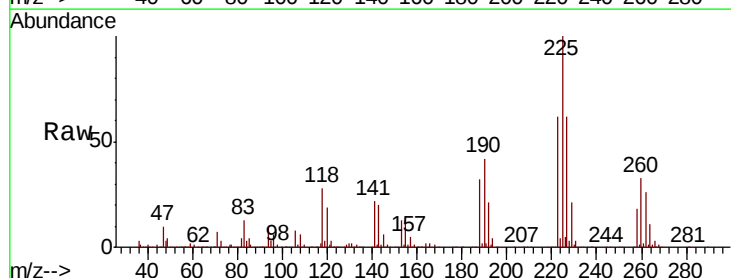


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

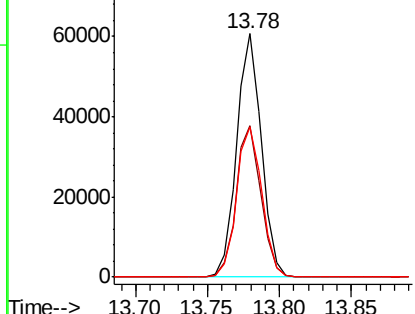
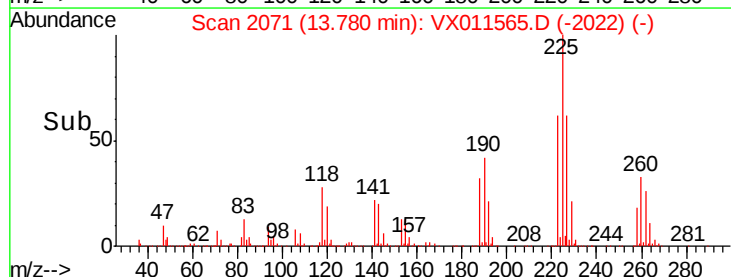


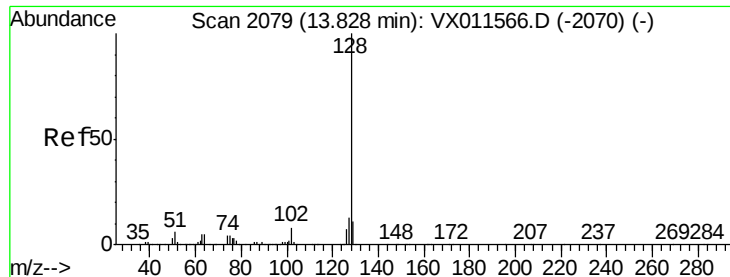
#94
 Hexachlorobutadiene
 Concen: 23.624 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.0
227	63.4	31.2	93.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

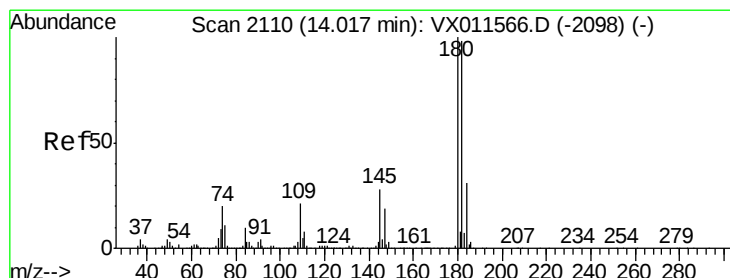
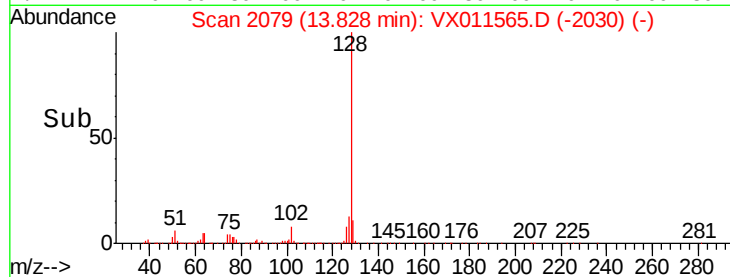
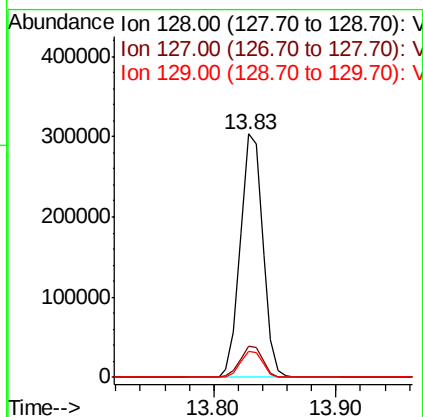
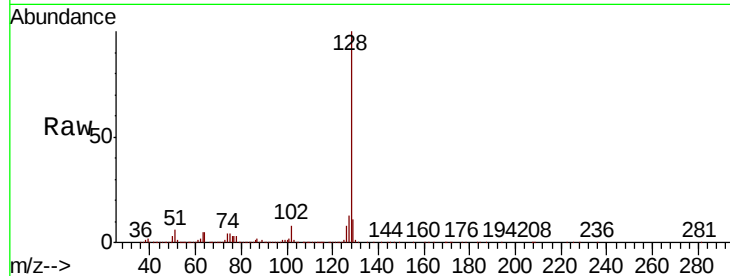




#95
Naphthalene
Concen: 21.688 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 385773
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.075 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion:180 Resp: 133556
Ion Ratio Lower Upper
180 100
182 97.4 48.0 144.0
145 29.7 14.6 43.8

