

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082119\
 Data File : VX011721.D
 Acq On : 21 Aug 2019 08:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 13:28:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	304983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	421924	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	393167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	199136	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	141378	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	5.49	113	129802	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	8.71	98	425915	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	183517	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	174059	58.062	ug/l	98
3) Chloromethane	1.32	50	137519	44.167	ug/l	99
4) Vinyl Chloride	1.40	62	131475	46.744	ug/l	98
5) Bromomethane	1.63	94	69942	55.497	ug/l	99
6) Chloroethane	1.71	64	73612	55.298	ug/l	100
7) Trichlorofluoromethane	1.92	101	219348	56.304	ug/l	99
8) Diethyl Ether	2.18	74	71872	53.781	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	142202	52.846	ug/l	99
10) Methyl Iodide	2.50	142	184138	48.037	ug/l	99
11) Tert butyl alcohol	3.04	59	171485	247.144	ug/l	99
12) 1,1-Dichloroethene	2.36	96	128995	49.605	ug/l	99
13) Acrolein	2.29	56	48032	226.193	ug/l	97
14) Allyl chloride	2.72	41	222648	51.469	ug/l	97
15) Acrylonitrile	3.13	53	404655	254.812	ug/l	100
16) Acetone	2.43	43	426381	299.819	ug/l	99
17) Carbon Disulfide	2.56	76	299985	48.956	ug/l	99
18) Methyl Acetate	2.76	43	230532	52.269	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	462440	54.602	ug/l	99
20) Methylene Chloride	2.85	84	151817	50.844	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	143850	52.200	ug/l	99
22) Diisopropyl ether	3.85	45	450259	52.265	ug/l	94
23) Vinyl Acetate	3.81	43	1815743	266.164	ug/l	99
24) 1,1-Dichloroethane	3.68	63	253420	52.029	ug/l	99
25) 2-Butanone	4.66	43	558185	250.013	ug/l	100
26) 2,2-Dichloropropane	4.57	77	214185	58.426	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	163839	51.000	ug/l	99
28) Bromochloromethane	5.00	49	99907	46.725	ug/l	100
29) Tetrahydrofuran	5.11	42	323984	221.220	ug/l	97
30) Chloroform	5.20	83	262472	51.061	ug/l	98
31) Cyclohexane	5.57	56	210329	50.154	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	238740	54.014	ug/l	98
36) 1,1-Dichloropropene	5.79	75	191169	52.994	ug/l	99
37) Ethyl Acetate	4.82	43	187127	45.100	ug/l	99
38) Carbon Tetrachloride	5.77	117	218121	54.882	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	240653	54.020	ug/l	99
40) Benzene	6.13	78	560412	49.991	ug/l	100
41) Methacrylonitrile	5.03	41	106625	46.692	ug/l	98
42) 1,2-Dichloroethane	6.18	62	215695	55.535	ug/l	98
43) Isopropyl Acetate	6.43	43	325669	50.294	ug/l	99
44) Trichloroethene	7.21	130	173070	52.042	ug/l	99
45) 1,2-Dichloropropane	7.51	63	144565	51.709	ug/l	98
46) Dibromomethane	7.65	93	100472	49.453	ug/l	94
47) Bromodichloromethane	7.89	83	198980	53.341	ug/l	100
48) Methyl methacrylate	7.76	41	163064	50.852	ug/l	97
49) 1,4-Dioxane	7.73	88	81239	952.506	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	1085829	256.191	ug/l	100
52) Toluene	8.78	92	381299	53.389	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	221596	57.238	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	238018	56.178	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	162248	53.422	ug/l	98
56) Ethyl methacrylate	9.17	69	242678	54.976	ug/l	98
57) 1,3-Dichloropropane	9.37	76	255705	52.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	567811	258.159	ug/l	100
59) 2-Hexanone	9.49	43	861766	263.664	ug/l	100
60) Dibromochloromethane	9.58	129	180307	56.981	ug/l	98
61) 1,2-Dibromoethane	9.66	107	172743	53.294	ug/l	100
64) Tetrachloroethene	9.33	164	176210	54.624	ug/l	97
65) Chlorobenzene	10.13	112	432314	51.553	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	169481	54.072	ug/l	99
67) Ethyl Benzene	10.25	91	745644	53.278	ug/l	100
68) m/p-Xylenes	10.35	106	579036	107.785	ug/l	97
69) o-Xylene	10.69	106	278688	52.961	ug/l	100
70) Styrene	10.71	104	489574	55.266	ug/l	100
71) Bromoform	10.85	173	145688	47.974	ug/l #	98
73) Isopropylbenzene	11.01	105	775223	59.994	ug/l	99
74) N-amyl acetate	10.90	43	299735	54.584	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	244642	55.036	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	278247	73.687	ug/l	84
77) Bromobenzene	11.25	156	219062	56.982	ug/l	99
78) n-propylbenzene	11.35	91	852164	61.160	ug/l	100
79) 2-Chlorotoluene	11.41	91	506406	59.188	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	654571	60.303	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	73842	52.707	ug/l	96
82) 4-Chlorotoluene	11.51	91	594177	59.860	ug/l	100
83) tert-Butylbenzene	11.77	119	598149	54.106	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	601814	55.226	ug/l	100
85) sec-Butylbenzene	11.94	105	699092	56.049	ug/l	99
86) p-Isopropyltoluene	12.06	119	662606	56.468	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	345004	52.210	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	346163	51.686	ug/l	99
89) n-Butylbenzene	12.38	91	574616	59.564	ug/l	99
90) Hexachloroethane	12.59	117	103519	55.866	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	342375	51.614	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54155	53.252	ug/l	90

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

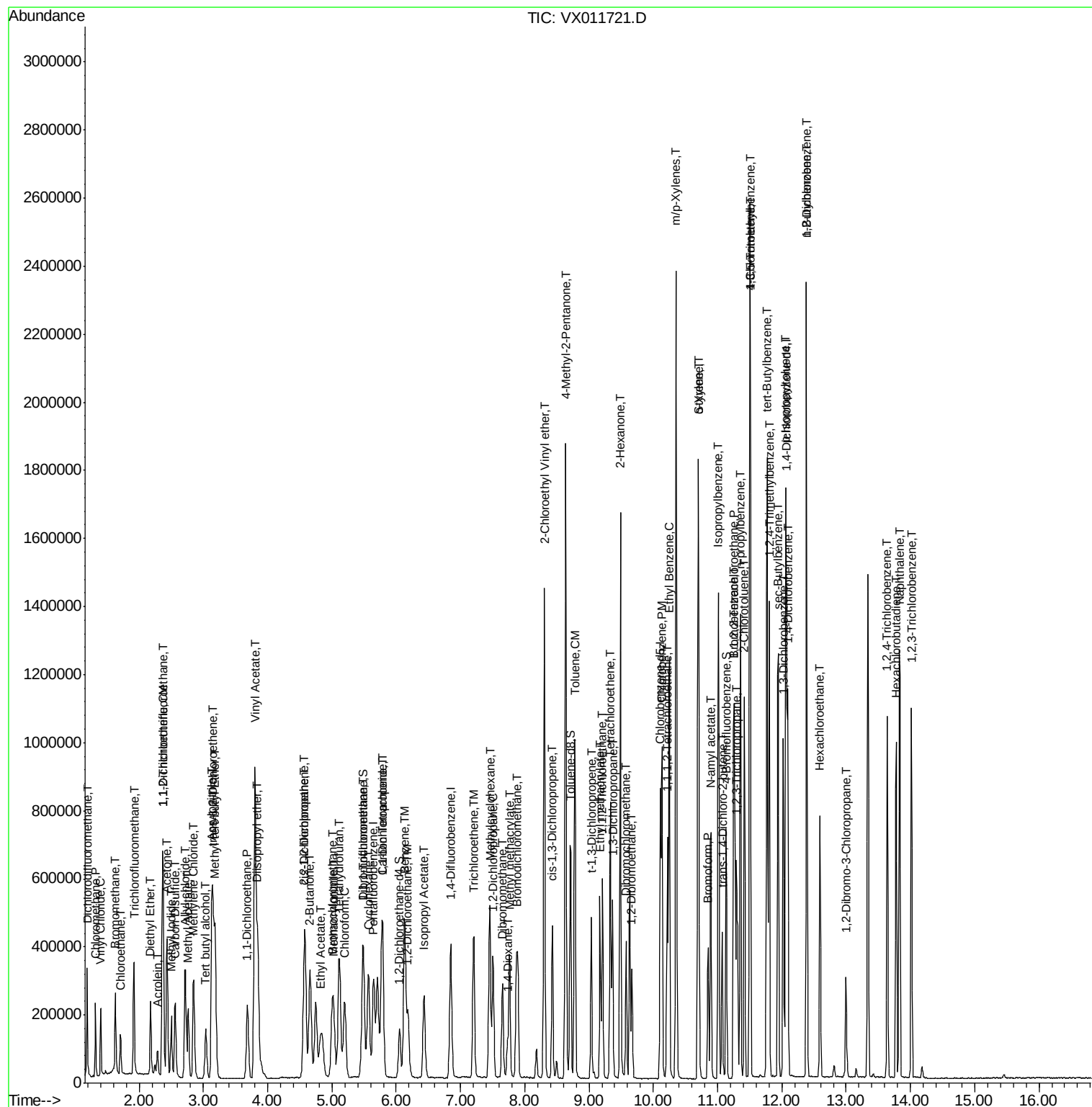
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	282842	57.227	ug/l	99
94) Hexachlorobutadiene	13.78	225	159015	59.085	ug/l	99
95) Naphthalene	13.83	128	820907	58.751	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	291723	58.519	ug/l	99

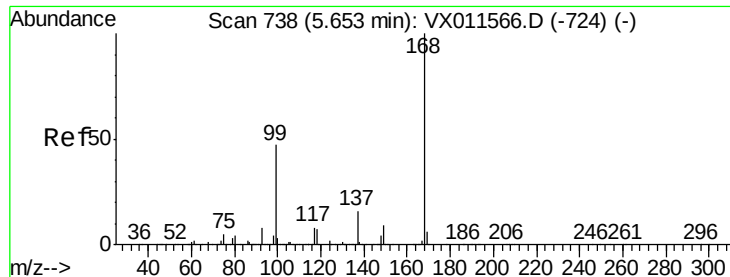
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

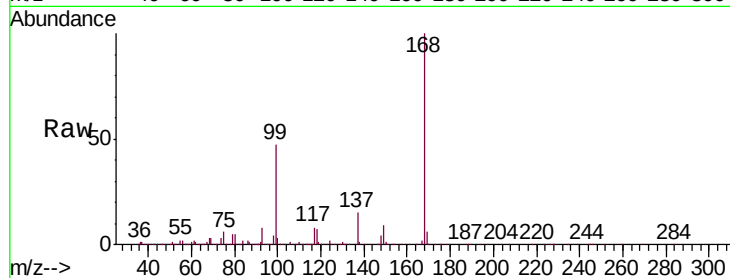
VSTDCCC050

Tot Ion:168 Resp: 304983

Ion Ratio Lower Upper

168 100

99 46.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

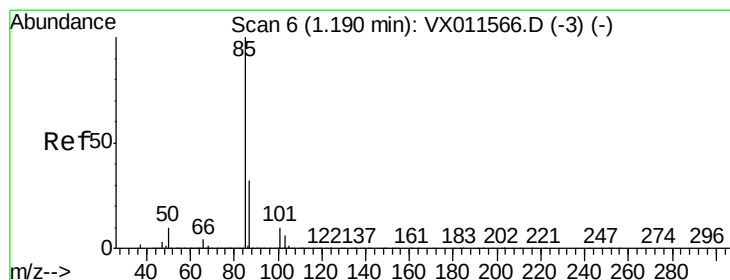
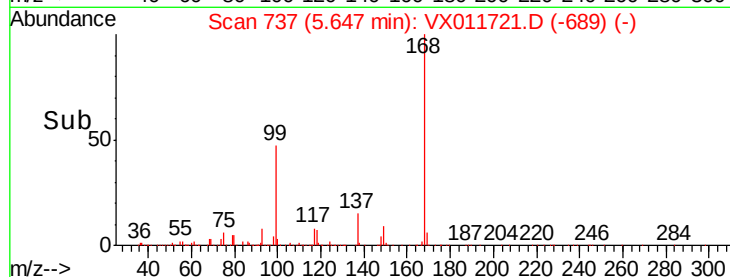
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 58.062 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011721.D

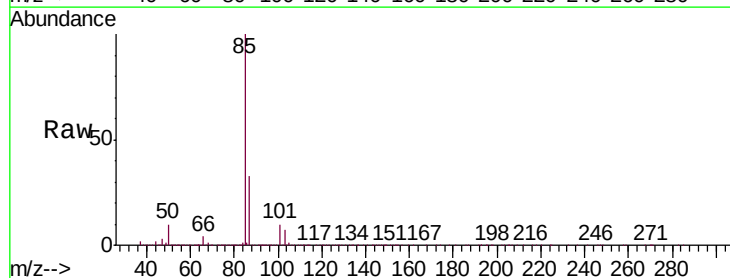
Acq: 21 Aug 2019 08:56

Tgt Ion: 85 Resp: 174059

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

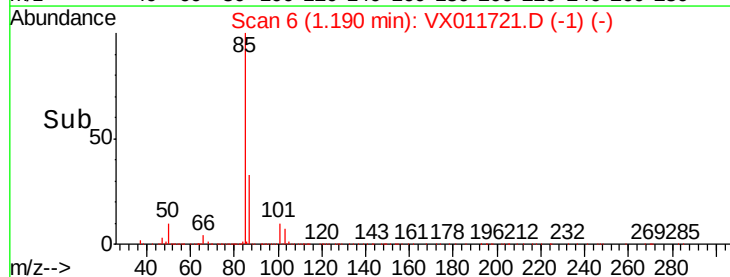
150000

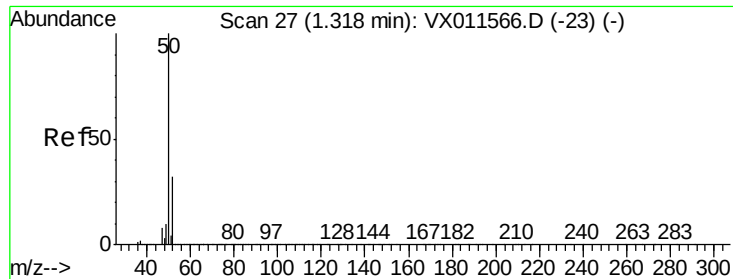
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.167 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

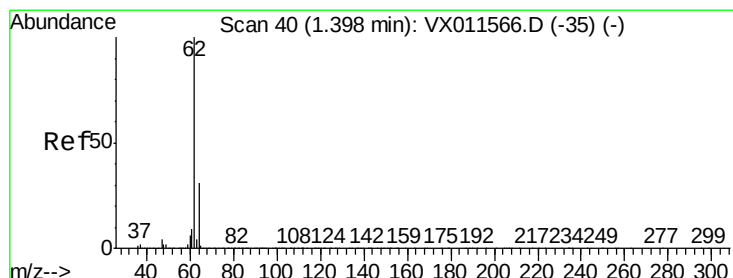
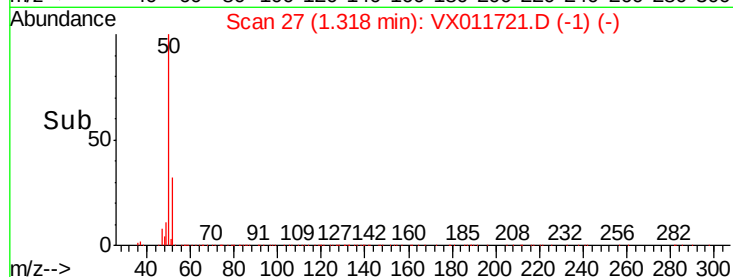
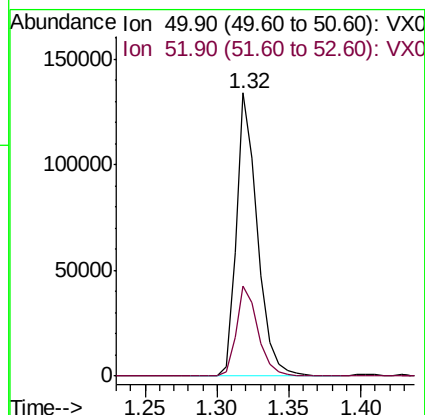
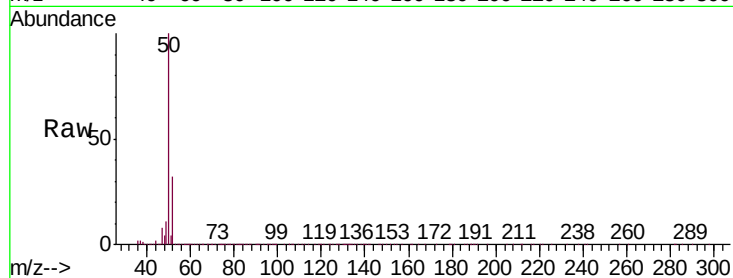
VSTDCCC050

Tot Ion: 50 Resp: 137519

Ion Ratio Lower Upper

50 100

52 31.8 26.0 39.0



#4

Vinyl Chloride

Concen: 46.744 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011721.D

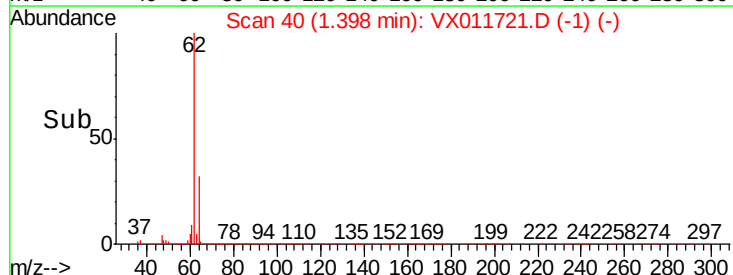
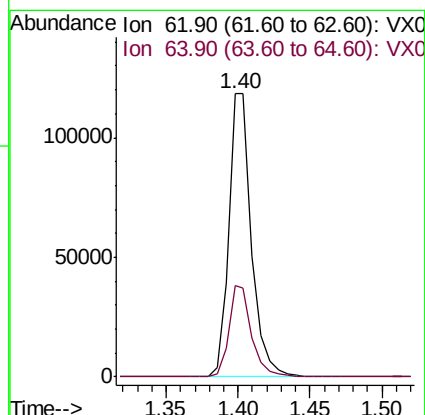
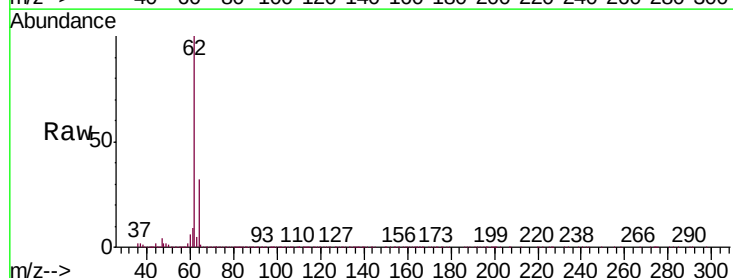
Acq: 21 Aug 2019 08:56

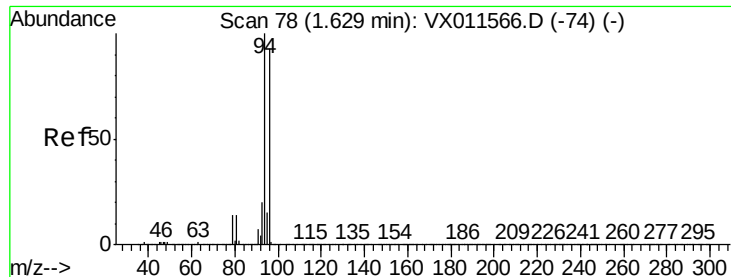
Tgt Ion: 62 Resp: 131475

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.4





#5

Bromomethane

Concen: 55.497 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

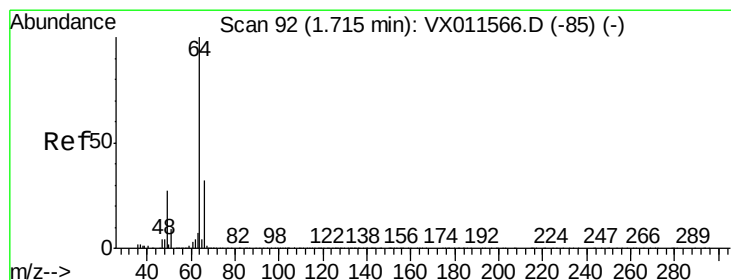
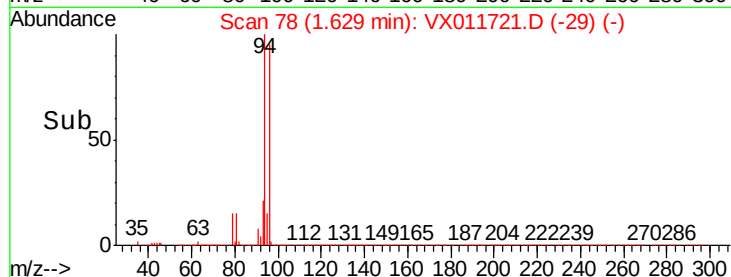
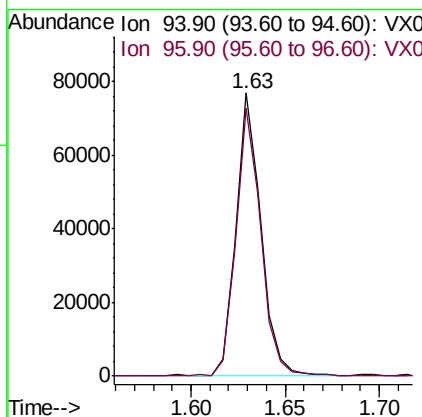
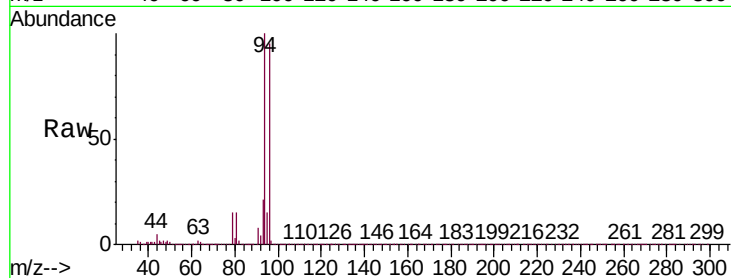
VSTDCCC050

Tot Ion: 94 Resp: 69942

Ion Ratio Lower Upper

94 100

96 94.4 74.8 112.2



#6

Chloroethane

Concen: 55.298 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011721.D

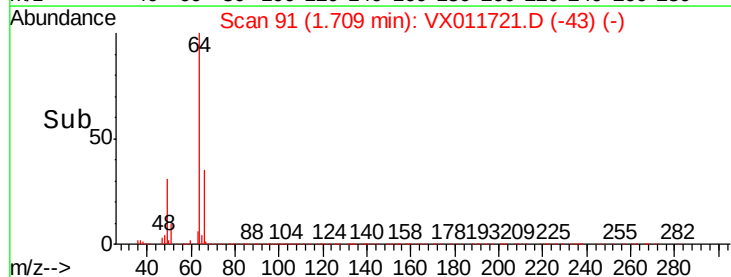
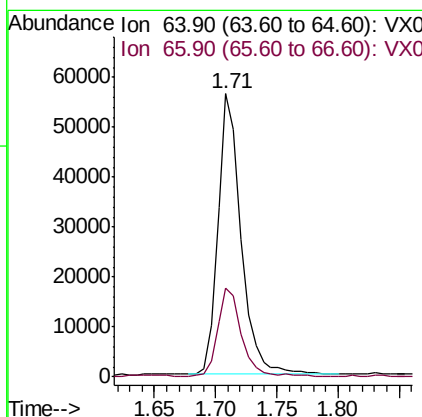
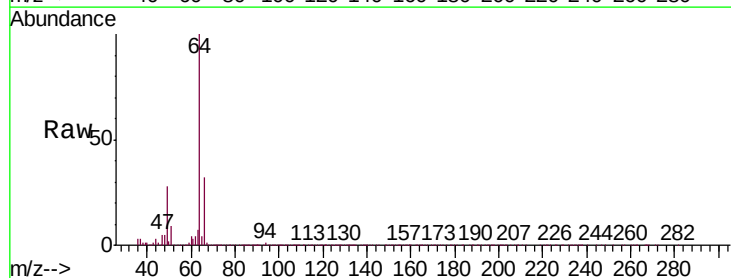
Acq: 21 Aug 2019 08:56

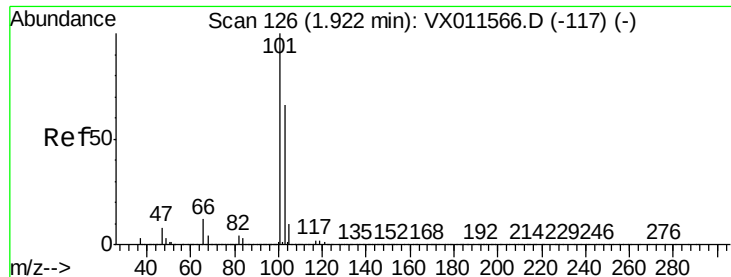
Tgt Ion: 64 Resp: 73612

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9



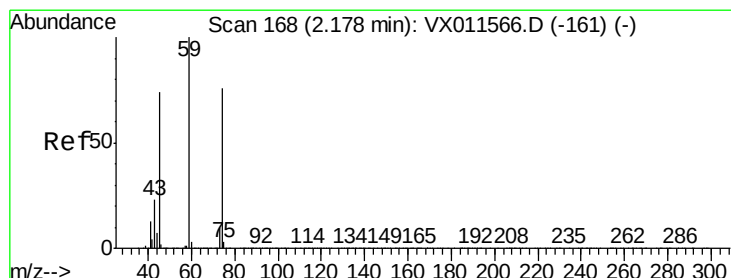
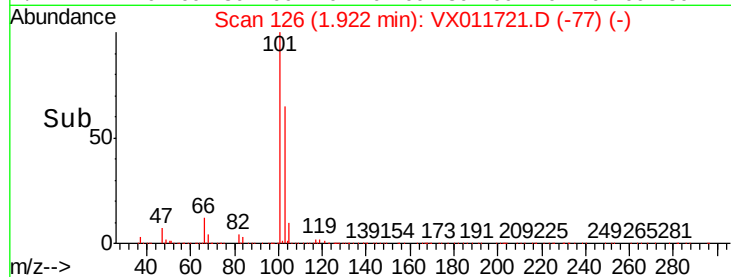
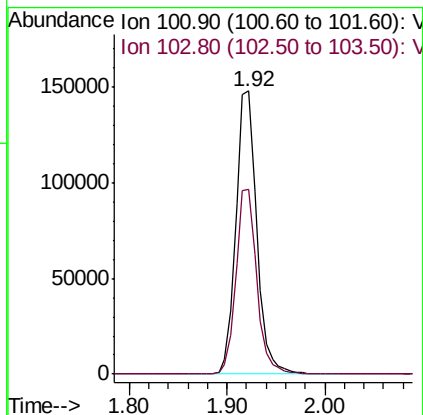
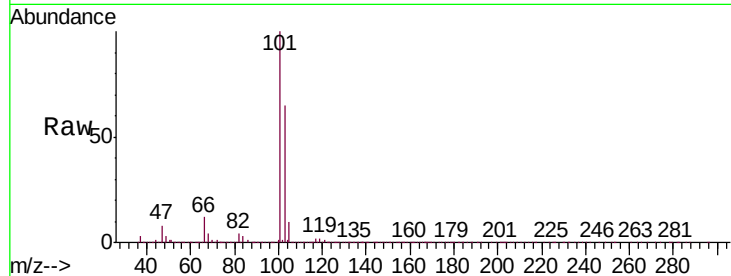


#7

Trichlorofluoromethane
 Concen: 56.304 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

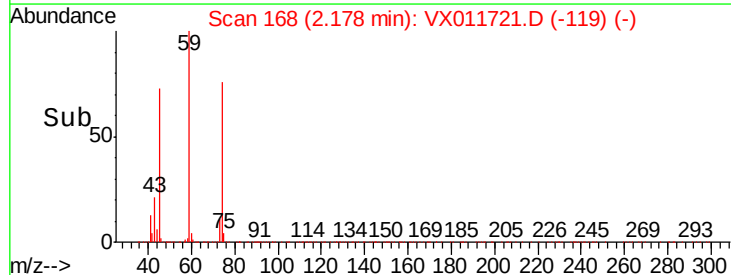
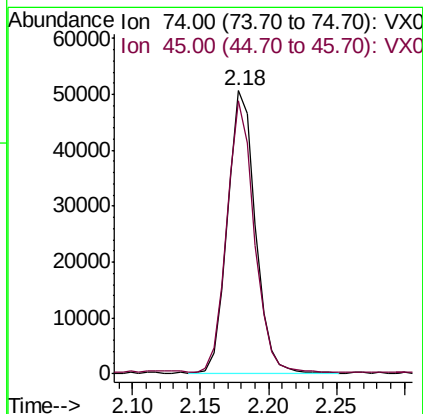
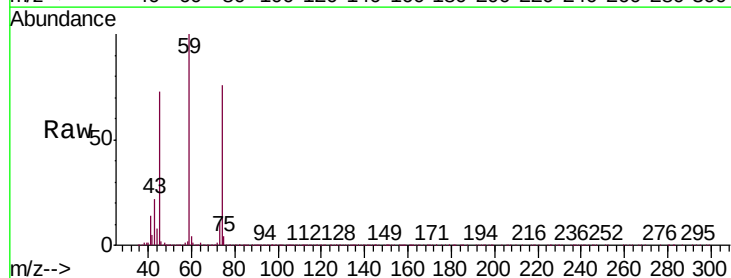
Tot Ion:101 Resp: 219348
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.9 79.3

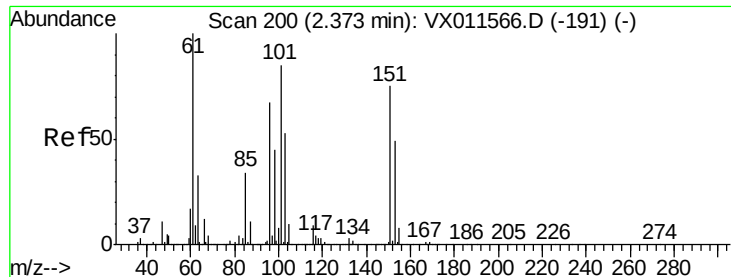


#8

Diethyl Ether
 Concen: 53.781 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion: 74 Resp: 71872
 Ion Ratio Lower Upper
 74 100
 45 95.7 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.846 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

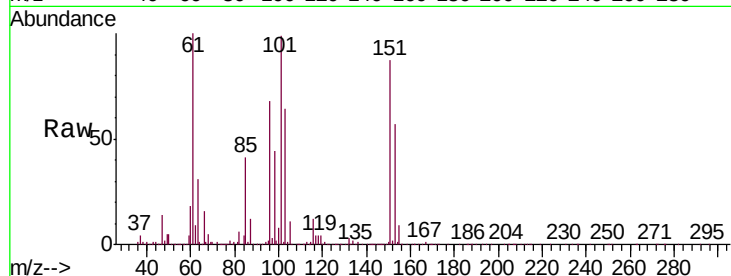
Tot Ion:101 Resp: 142202

Ion Ratio Lower Upper

101 100

85 42.5 33.0 49.4

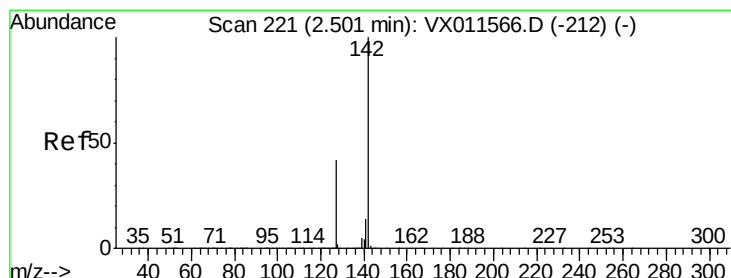
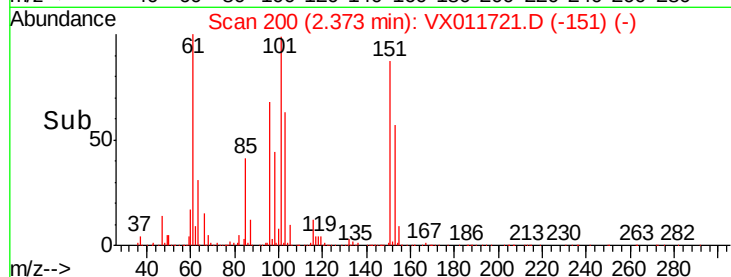
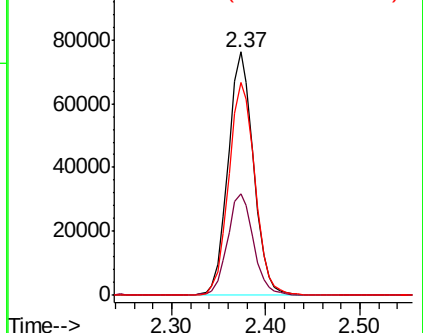
151 90.8 73.3 109.9



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: 48.037 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

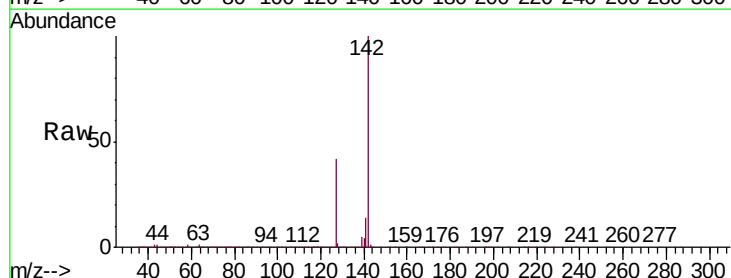
Tgt Ion:142 Resp: 184138

Ion Ratio Lower Upper

142 100

127 42.0 32.8 49.2

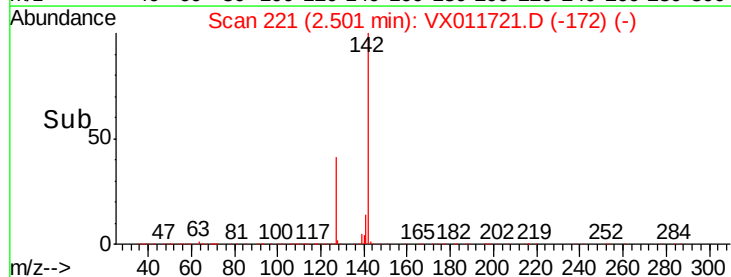
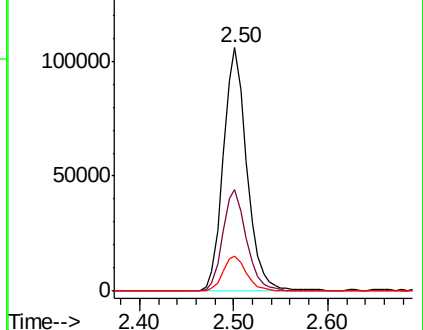
141 14.4 11.4 17.2

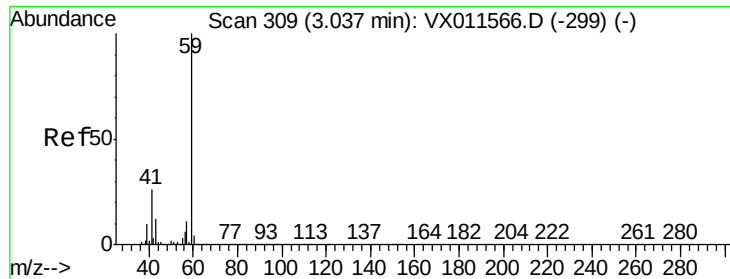


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



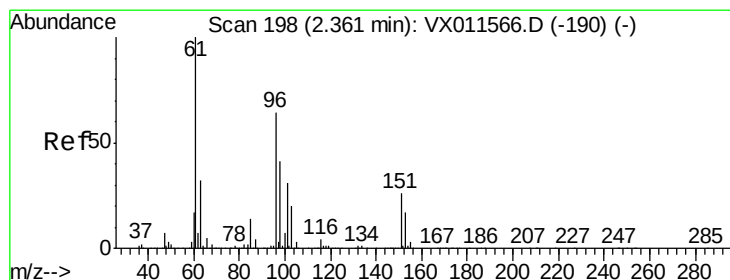
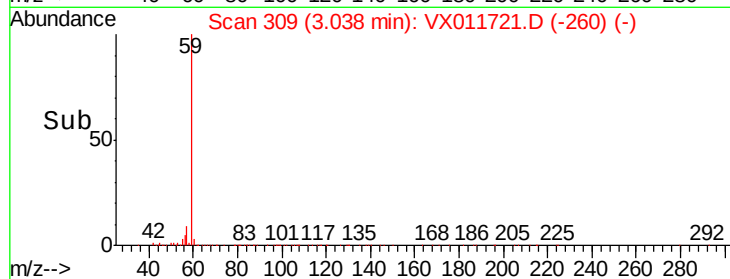
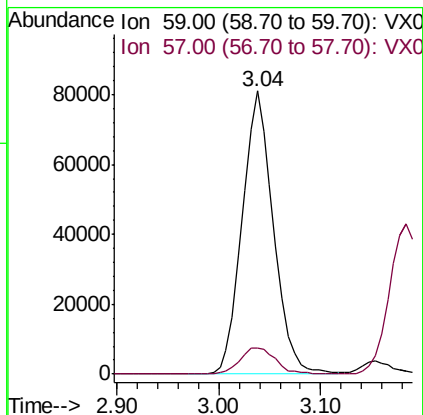
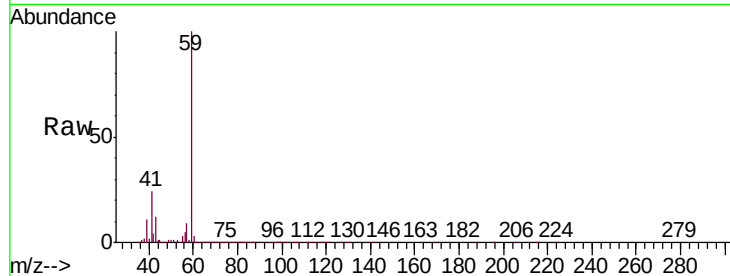


#11

Tert butyl alcohol
 Concen: 247.144 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

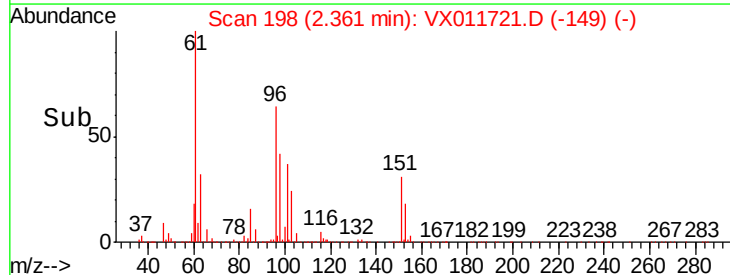
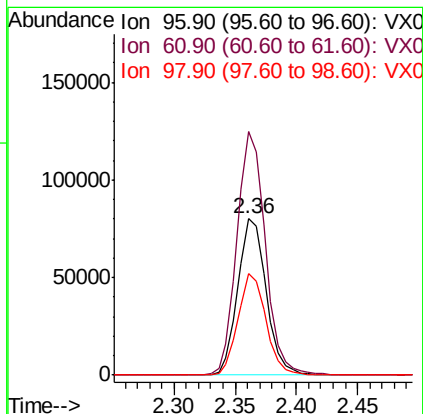
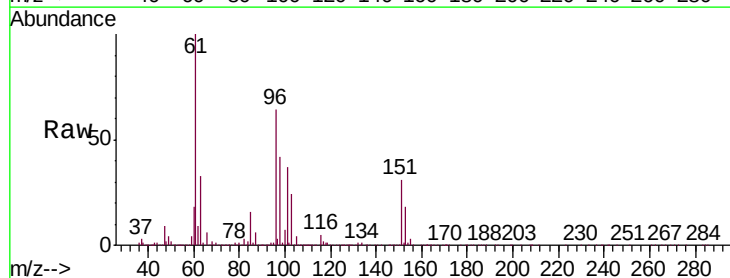
Tot Ion: 59 Resp: 171485
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.7 13.1

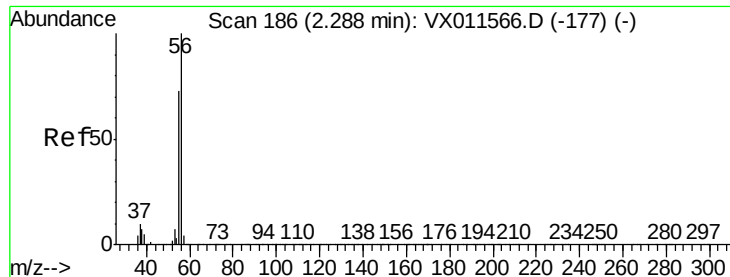


#12

1,1-Dichloroethene
 Concen: 49.605 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion: 96 Resp: 128995
 Ion Ratio Lower Upper
 96 100
 61 155.5 125.0 187.4
 98 65.0 51.5 77.3





#13

Acrolein

Concen: 226.193 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

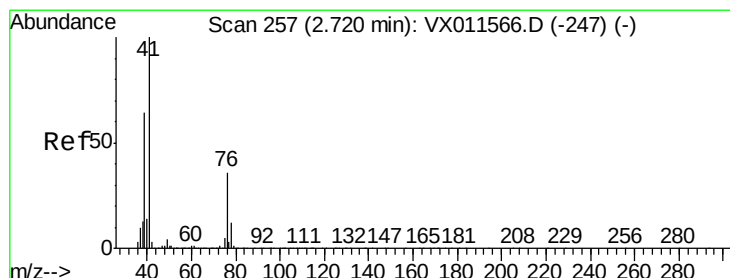
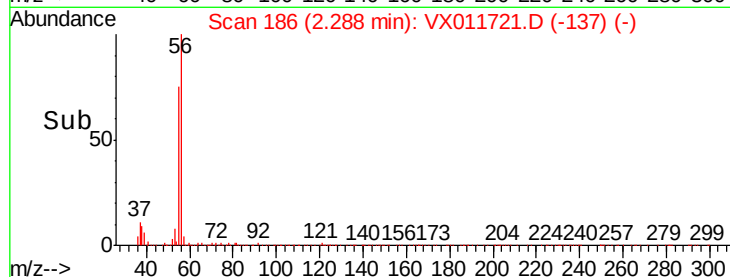
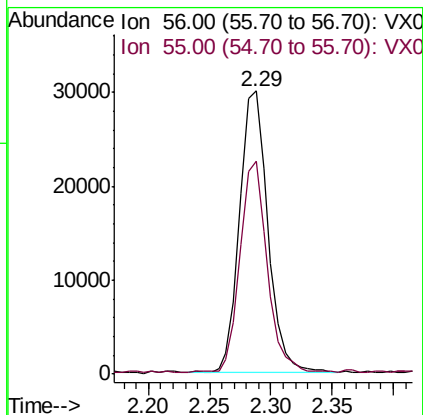
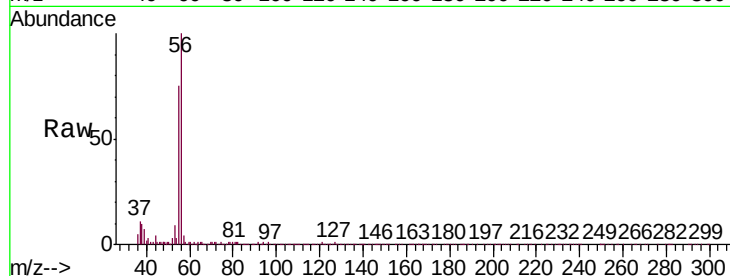
VSTDCCC050

Tot Ion: 56 Resp: 48032

Ion Ratio Lower Upper

56 100

55 72.0 55.5 83.3



#14

Allyl chloride

Concen: 51.469 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

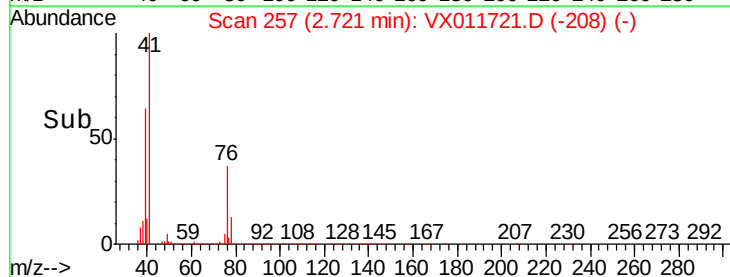
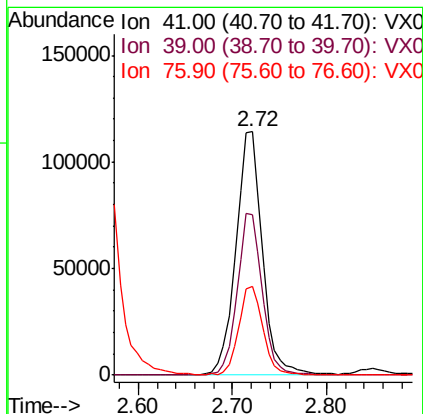
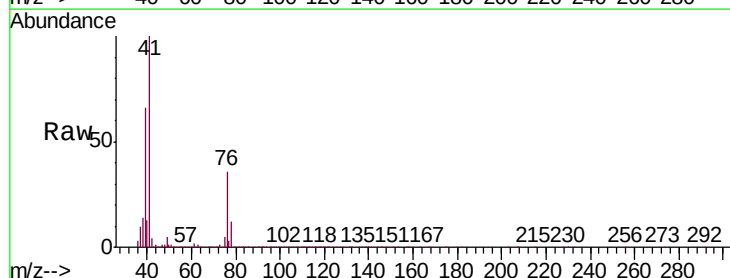
Tgt Ion: 41 Resp: 222648

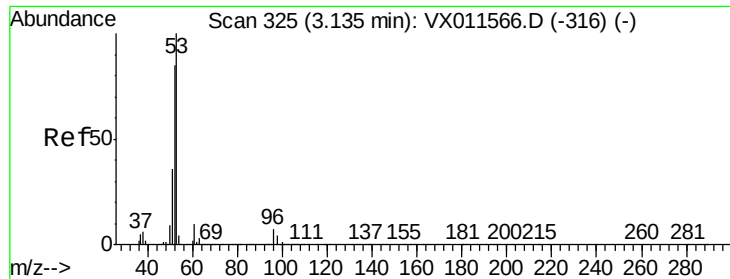
Ion Ratio Lower Upper

41 100

39 62.3 47.5 71.3

76 33.0 26.3 39.5

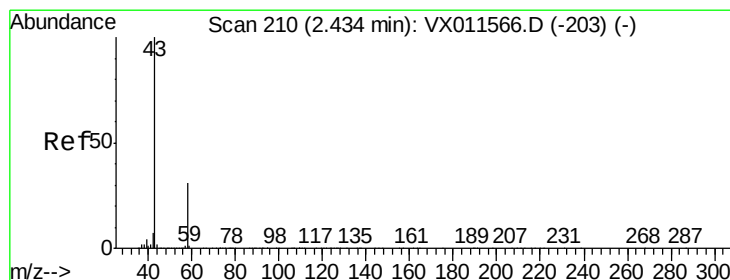
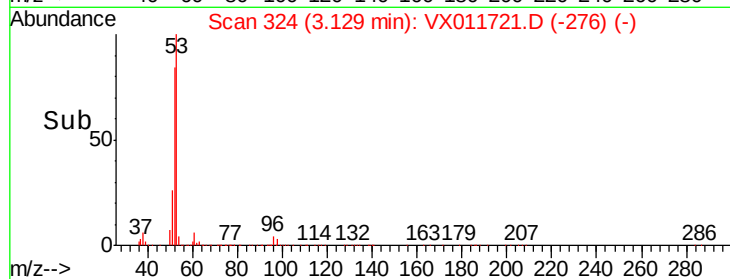
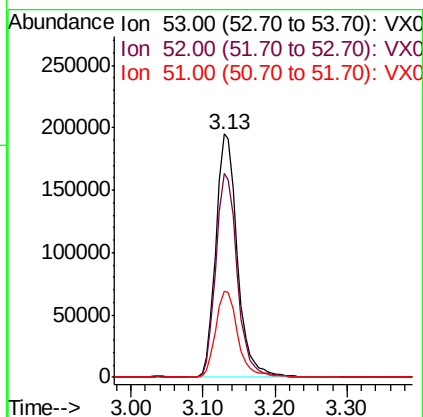
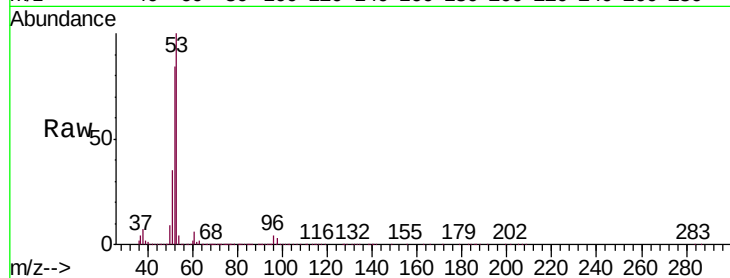




#15
 Acrylonitrile
 Concen: 254.812 ug/l
 RT: 3.13 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

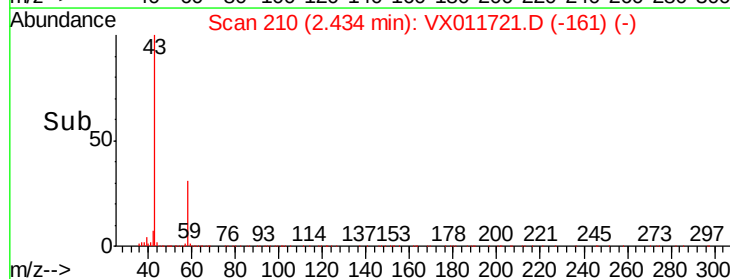
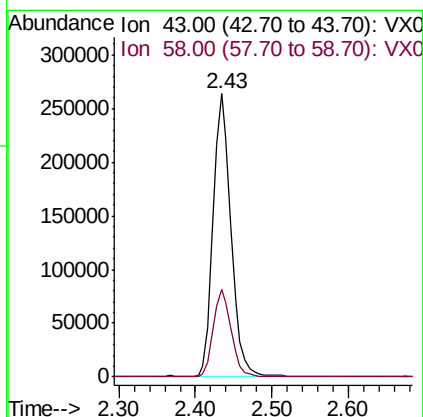
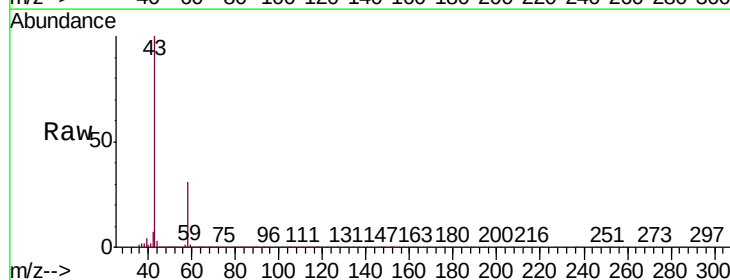
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

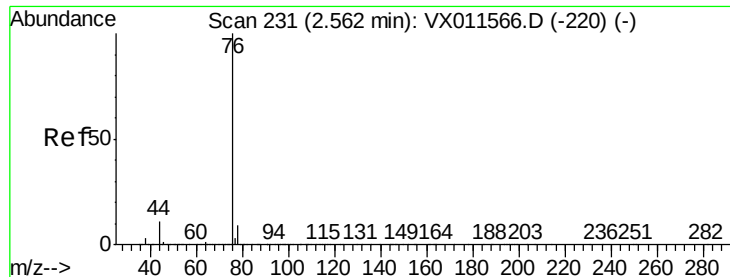
Tot Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	36.1	28.7	43.1



#16
 Acetone
 Concen: 299.819 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.2	37.8





#17

Carbon Disulfide

Concen: 48.956 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

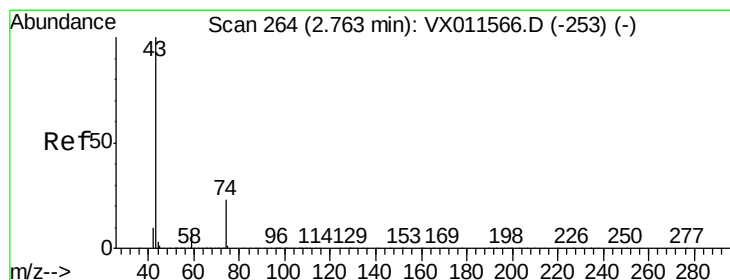
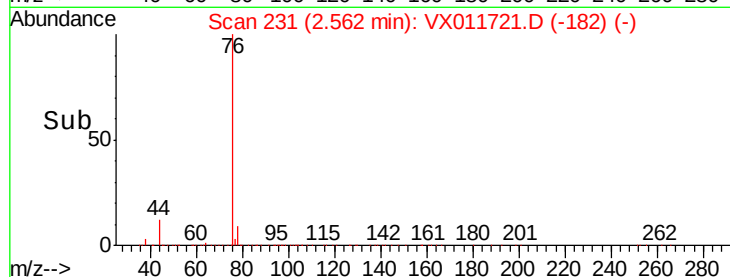
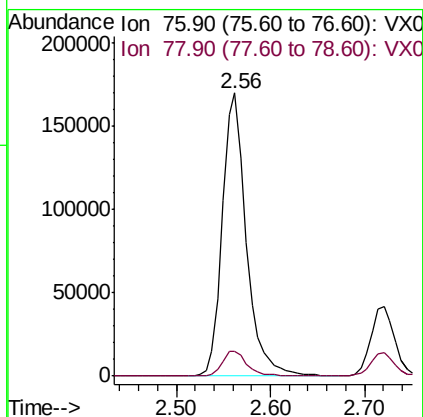
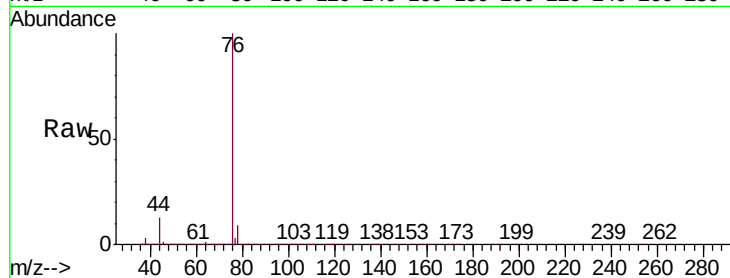
VSTDCCC050

Tot Ion: 76 Resp: 299985

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



#18

Methyl Acetate

Concen: 52.269 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011721.D

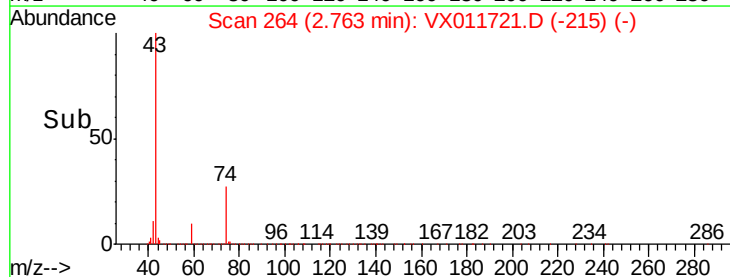
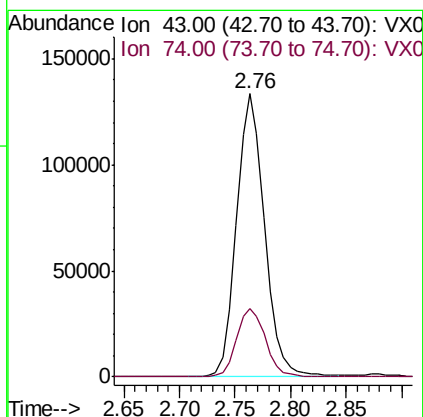
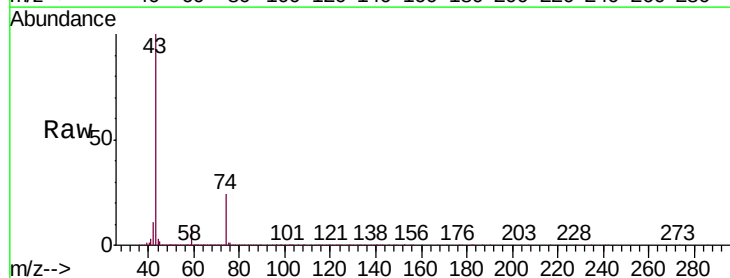
Acq: 21 Aug 2019 08:56

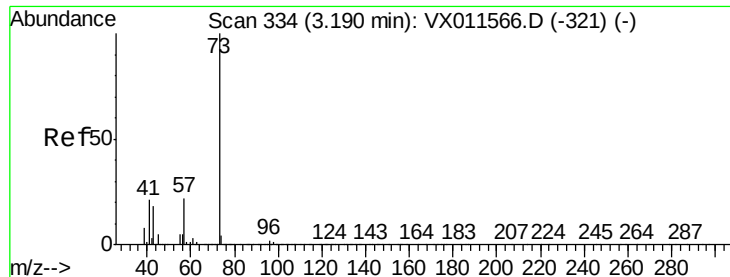
Tgt Ion: 43 Resp: 230532

Ion Ratio Lower Upper

43 100

74 25.1 19.7 29.5



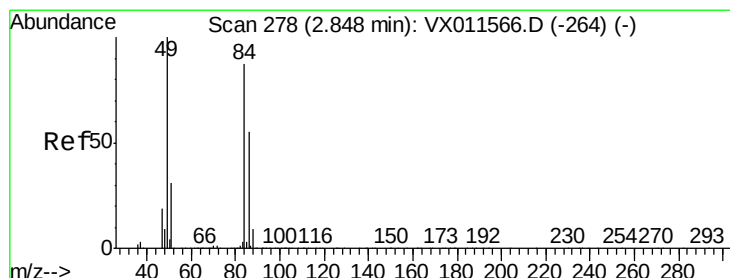
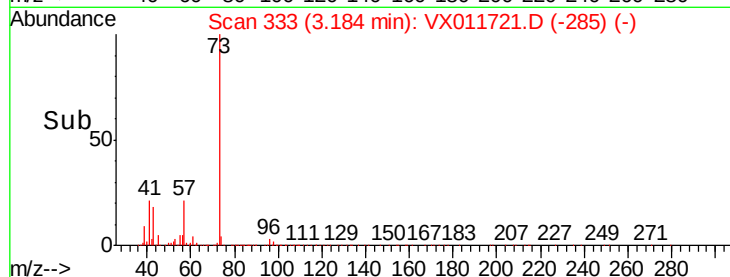
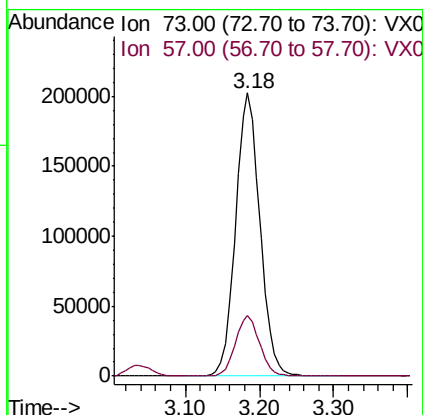
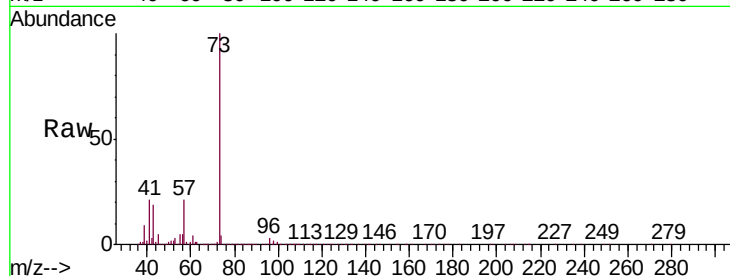


#19

Methyl tert-butyl Ether
 Concen: 54.602 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

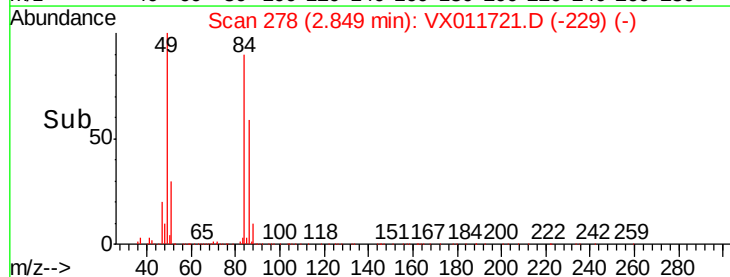
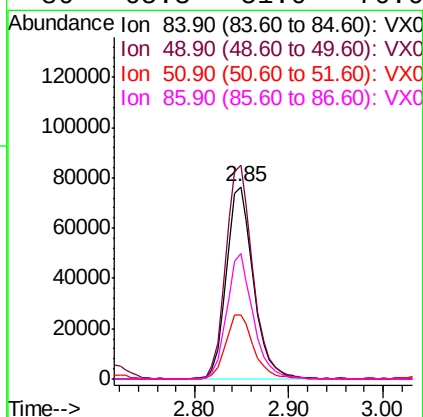
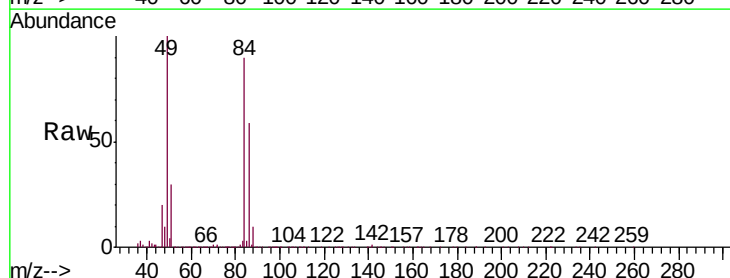
Tot Ion: 73 Resp: 462440
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.2 25.8

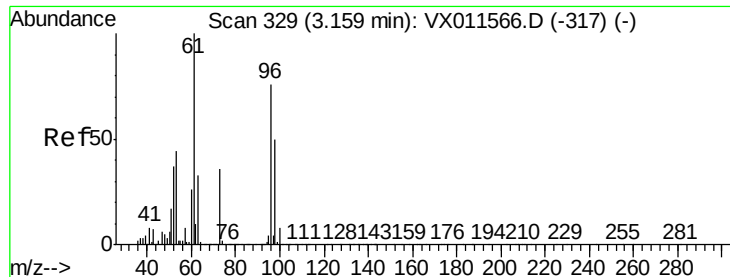


#20

Methylene Chloride
 Concen: 50.844 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion: 84 Resp: 151817
 Ion Ratio Lower Upper
 84 100
 49 110.8 92.4 138.6
 51 33.4 28.5 42.7
 86 65.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 52.200 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

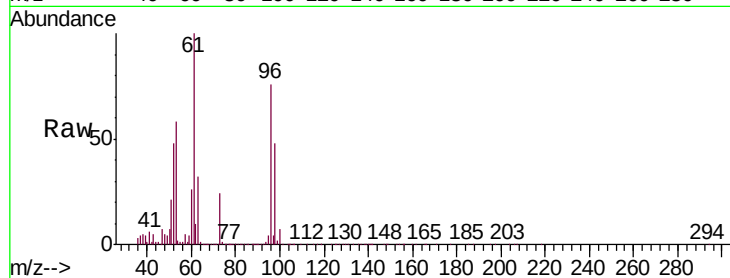
Tot Ion: 96 Resp: 143850

Ion Ratio Lower Upper

96 100

61 132.0 105.5 158.3

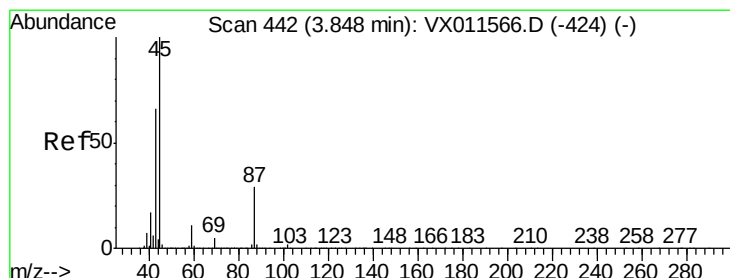
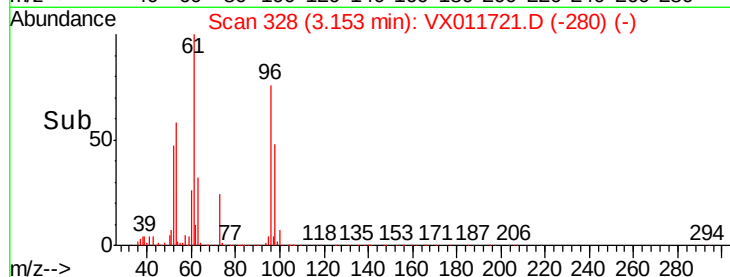
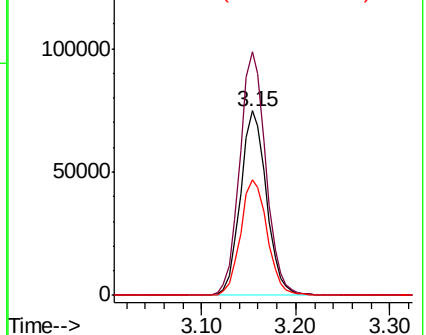
98 62.9 52.6 78.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 52.265 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion: 45 Resp: 450259

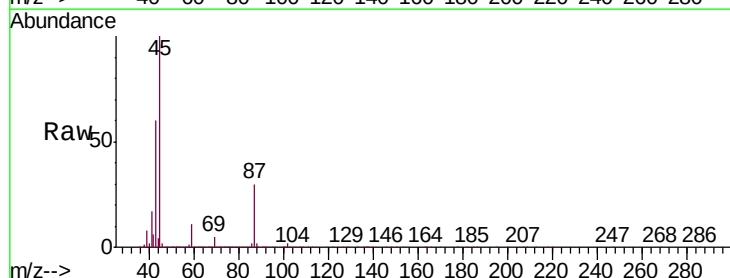
Ion Ratio Lower Upper

45 100

43 58.9 52.7 79.1

87 29.5 23.5 35.3

59 11.3 9.0 13.4

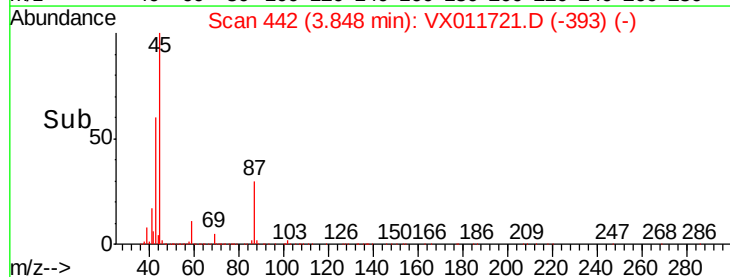
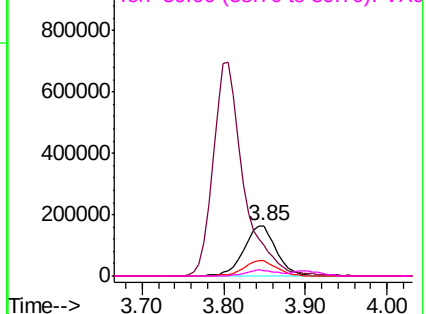


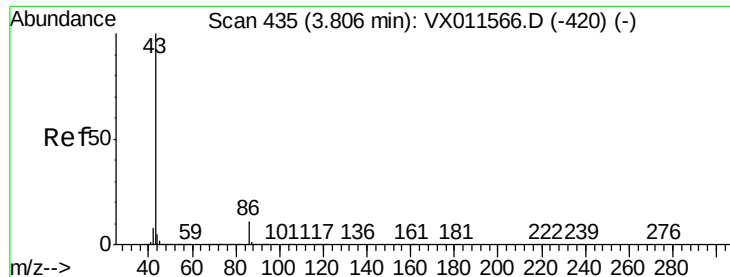
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 266.164 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

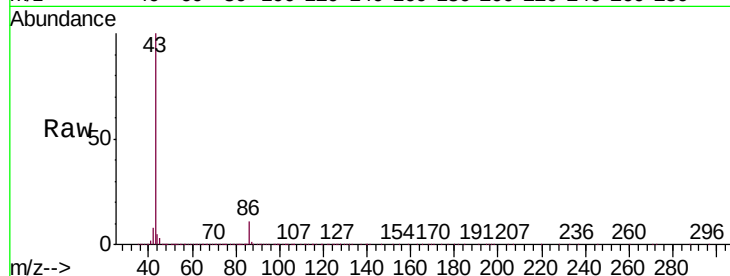
VSTDCCC050

Tot Ion: 43 Resp: 1815743

Ion Ratio Lower Upper

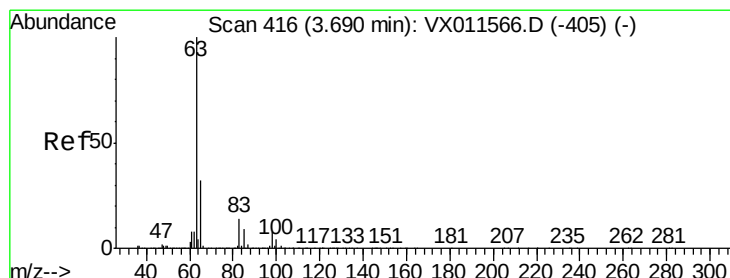
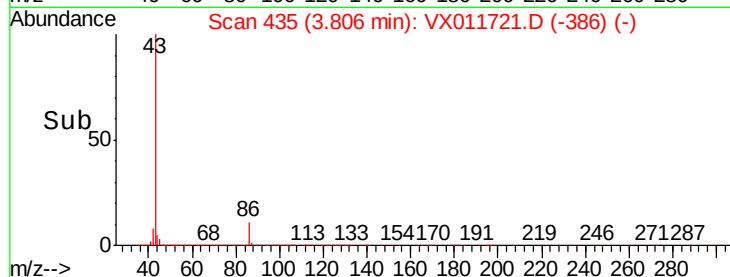
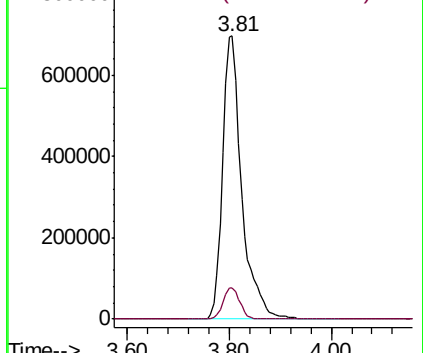
43 100

86 11.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 52.029 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

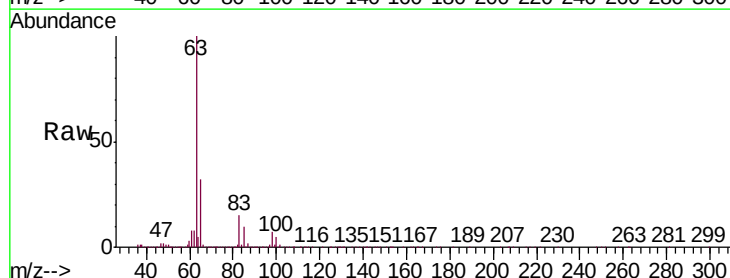
Tgt Ion: 63 Resp: 253420

Ion Ratio Lower Upper

63 100

98 6.9 3.7 11.1

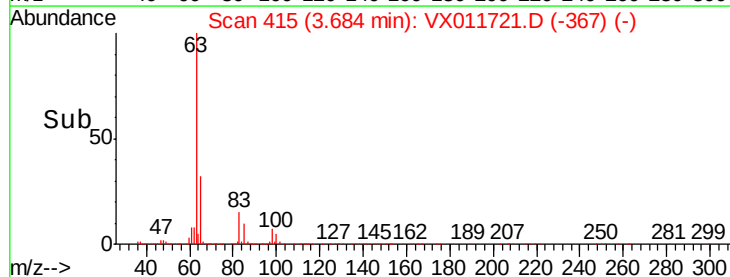
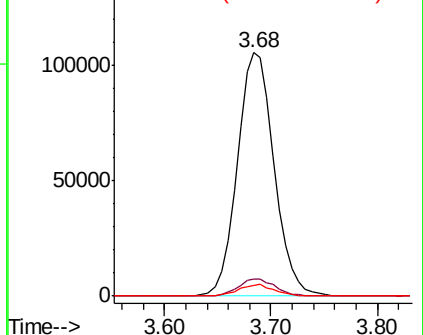
100 4.4 2.1 6.3

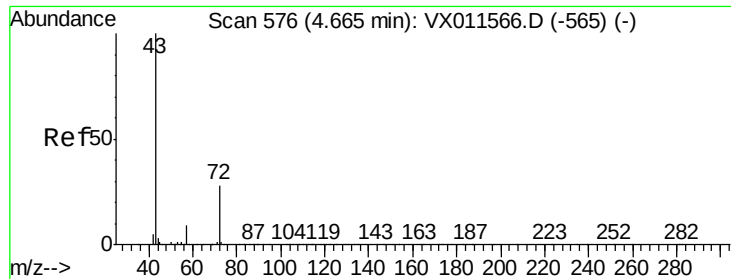


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 250.013 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

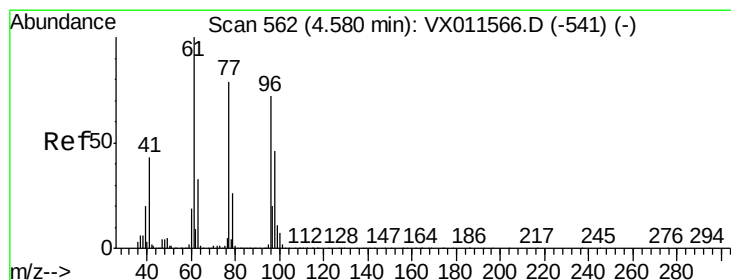
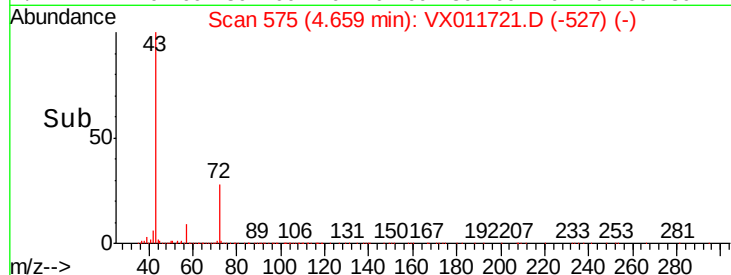
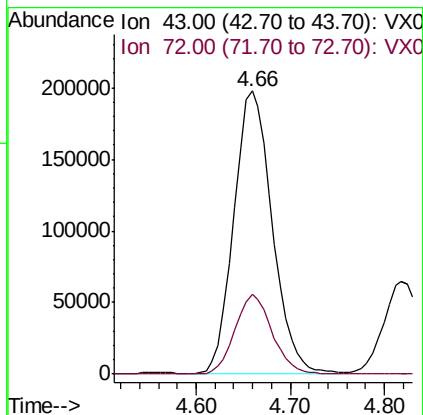
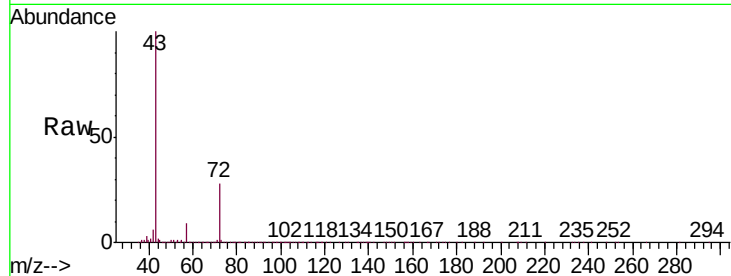
VSTDCCC050

Tot Ion: 43 Resp: 558185

Ion Ratio Lower Upper

43 100

72 28.0 22.2 33.4



#26

2,2-Dichloropropane

Concen: 58.426 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX011721.D

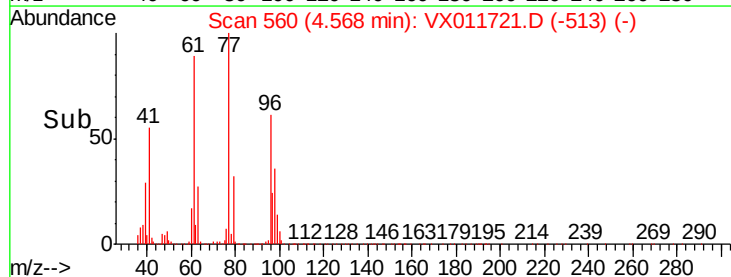
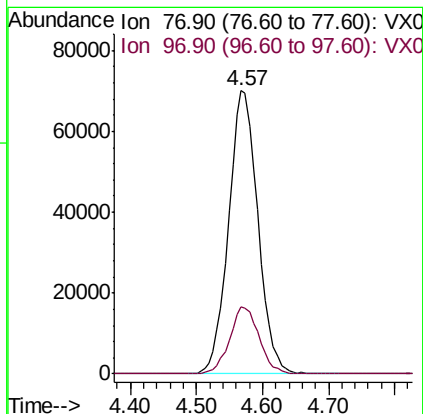
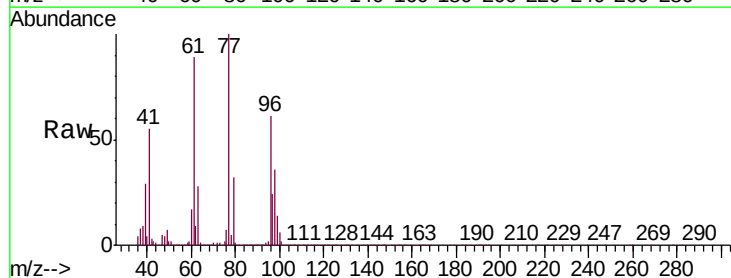
Acq: 21 Aug 2019 08:56

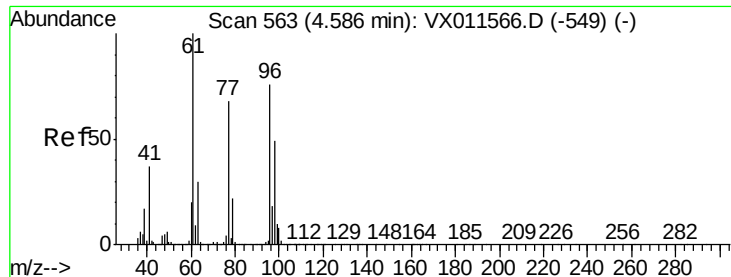
Tgt Ion: 77 Resp: 214185

Ion Ratio Lower Upper

77 100

97 24.0 12.4 37.2



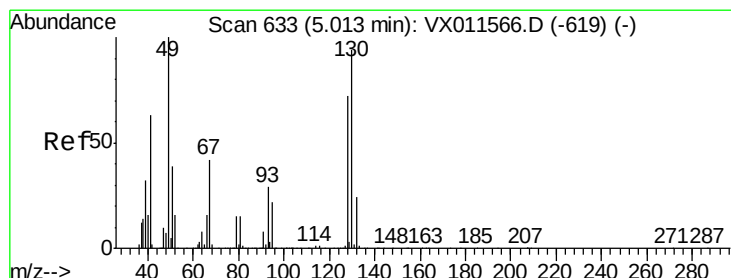
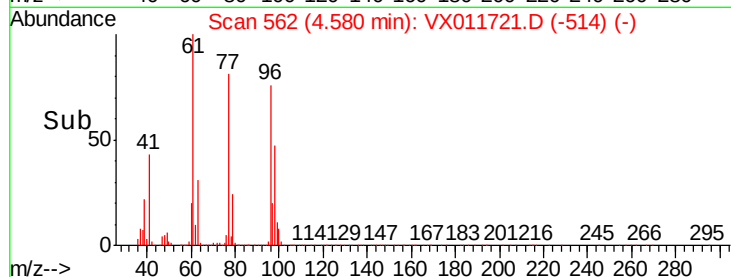
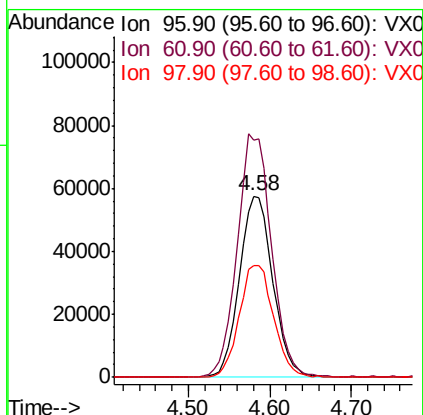
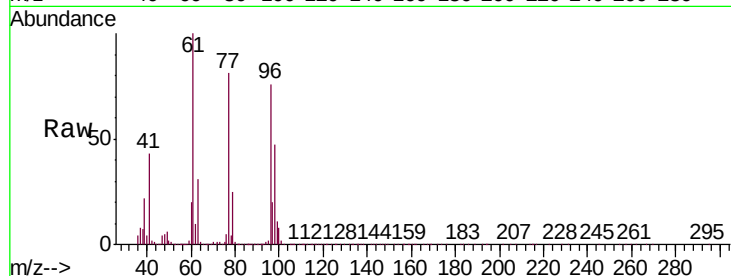


#27

cis-1,2-Dichloroethene
Concen: 51.000 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

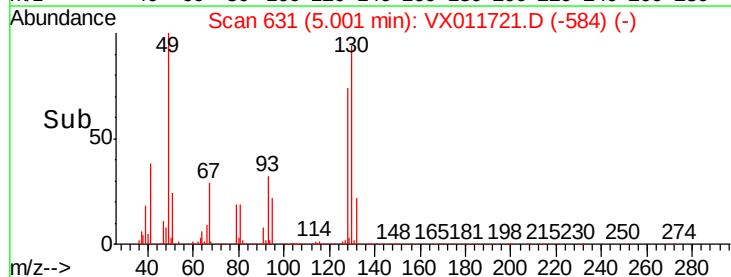
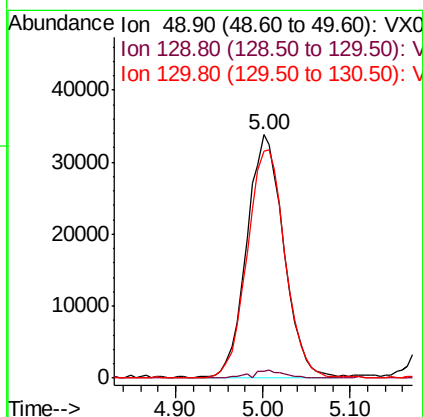
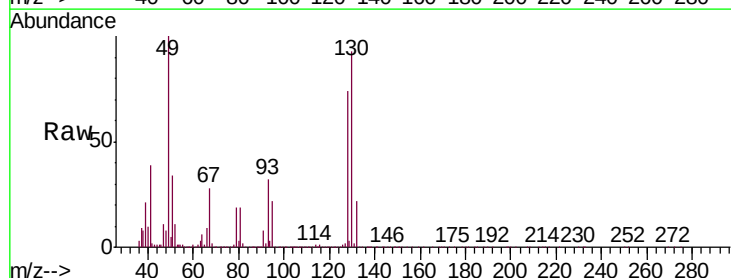
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	272.6
98	63.0	0.0	129.4

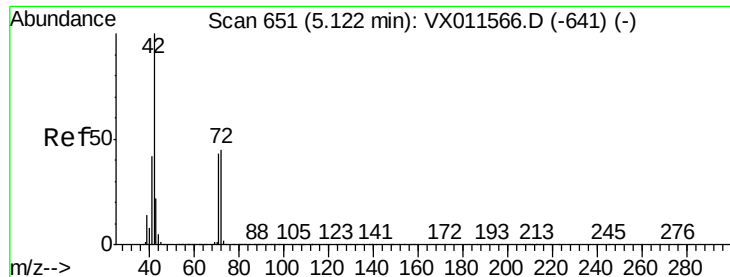


#28

Bromochloromethane
Concen: 46.725 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	96.0	76.6	115.0





#29

Tetrahydrofuran

Concen: 221.220 ug/l

RT: 5.11 min Scan# 649

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

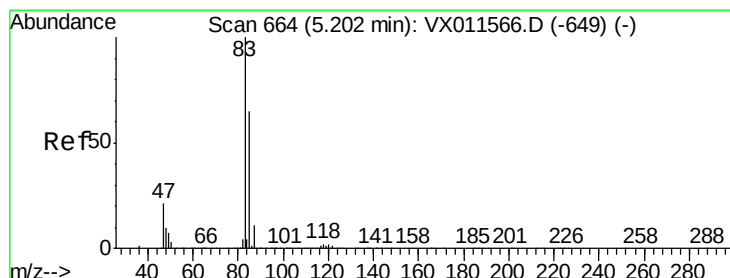
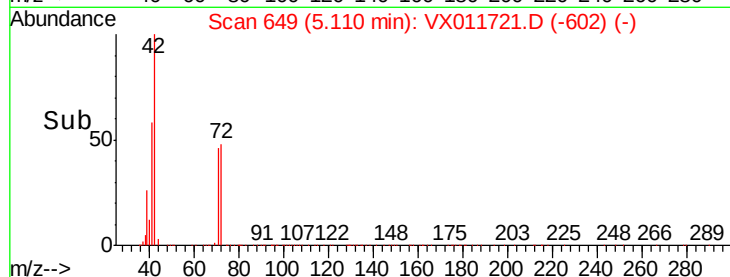
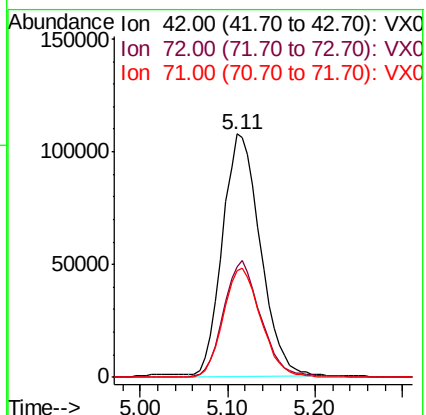
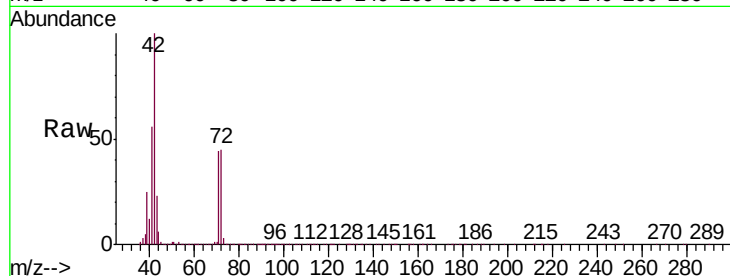
Tot Ion: 42 Resp: 323984

Ion Ratio Lower Upper

42 100

72 47.3 36.1 54.1

71 44.3 33.8 50.8



#30

Chloroform

Concen: 51.061 ug/l

RT: 5.20 min Scan# 663

Delta R.T. -0.01 min

Lab File: VX011721.D

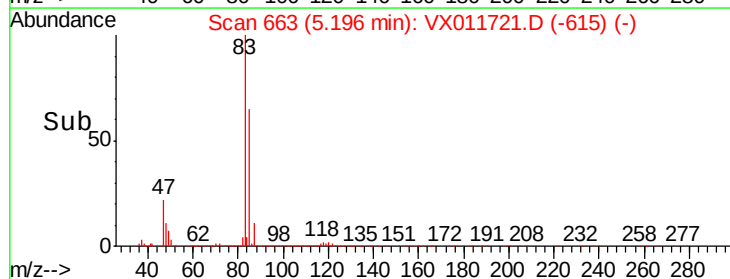
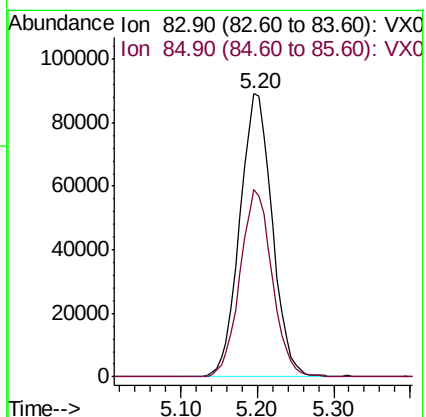
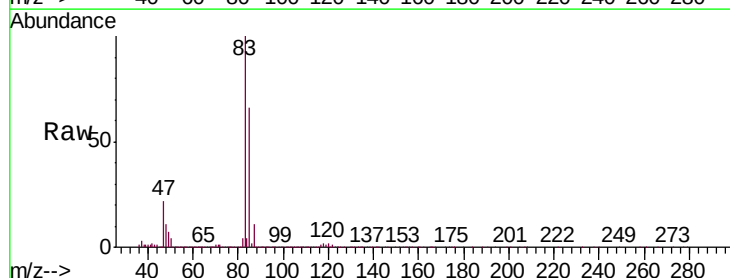
Acq: 21 Aug 2019 08:56

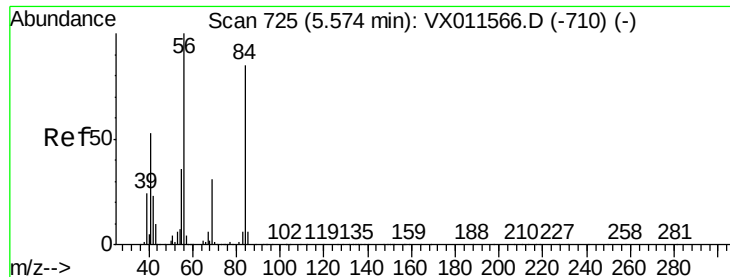
Tgt Ion: 83 Resp: 262472

Ion Ratio Lower Upper

83 100

85 66.3 51.9 77.9

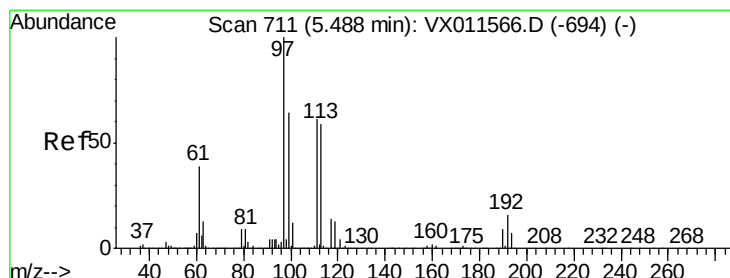
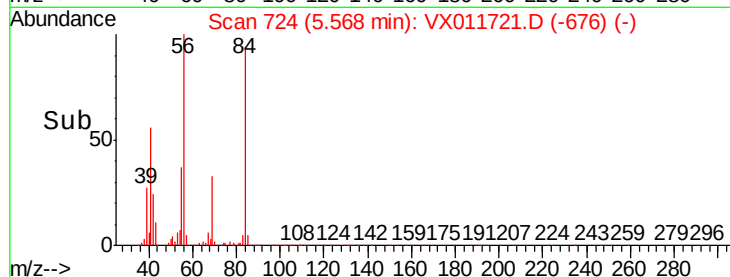
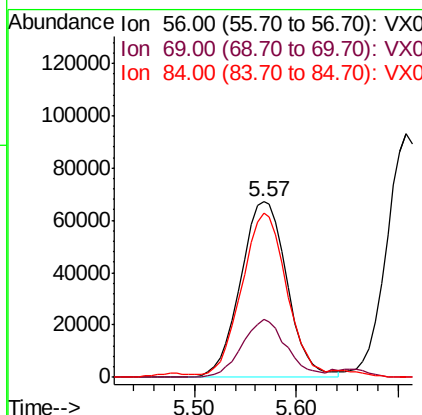
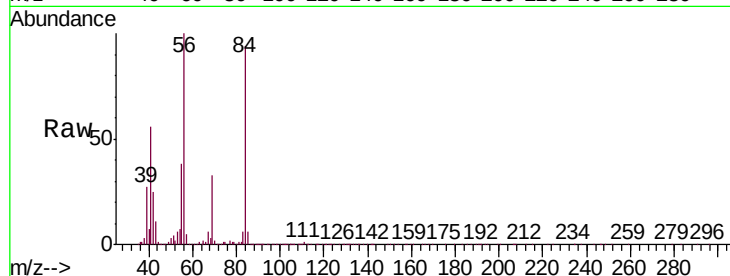




#31
Cyclohexane
Concen: 50.154 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

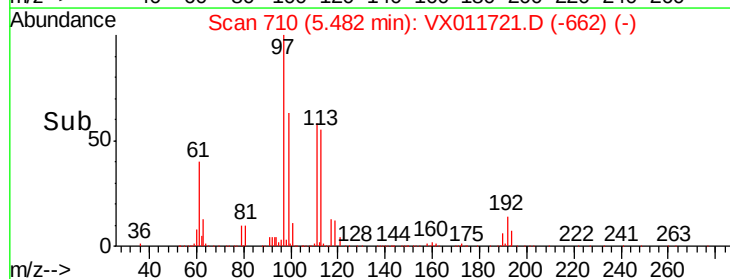
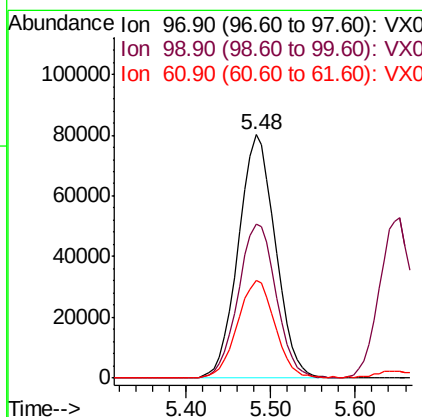
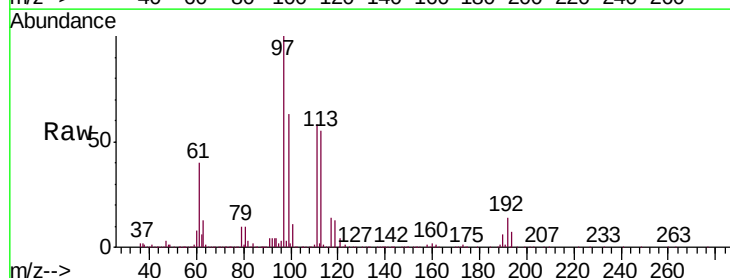
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

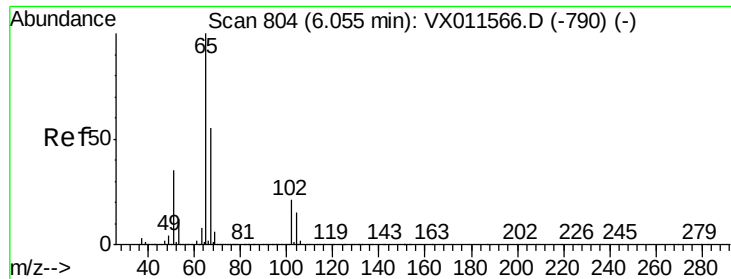
Tot Ion	56	Resp	210329
Ion Ratio	Lower	Upper	
56	100		
69	32.5	24.8	37.2
84	92.7	67.9	101.9



#32
1,1,1-Trichloroethane
Concen: 54.014 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	97	Resp	238740
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.4	77.0
61	40.5	31.4	47.2

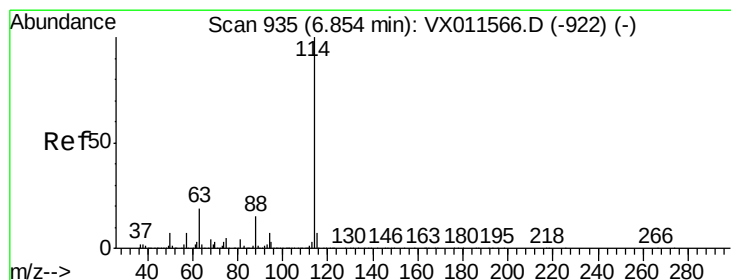
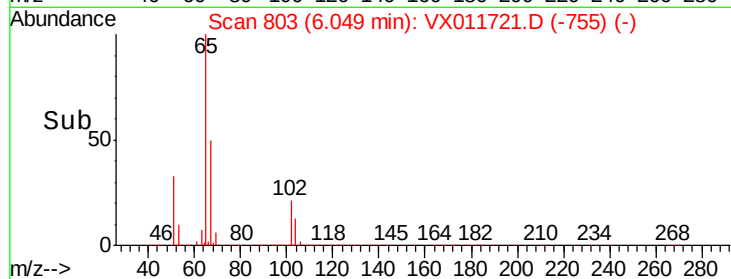
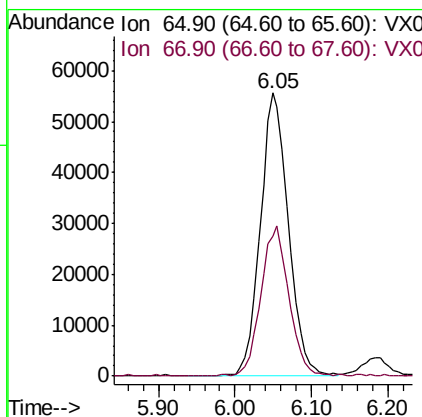
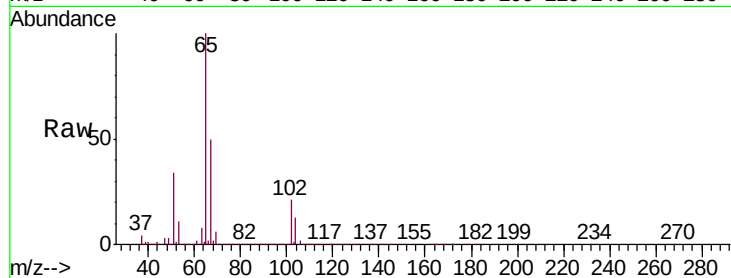




#33
 1,2-Dichloroethane-d4
 Concen: 49.987 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

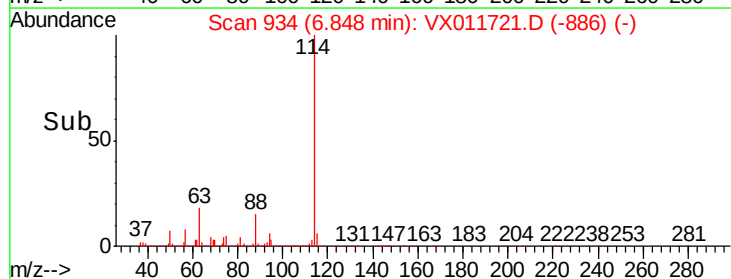
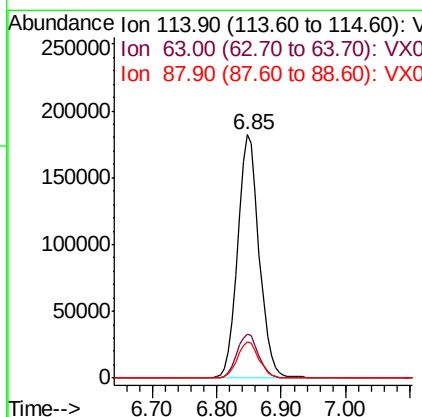
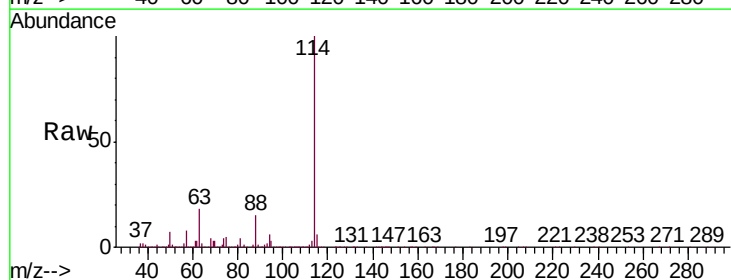
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

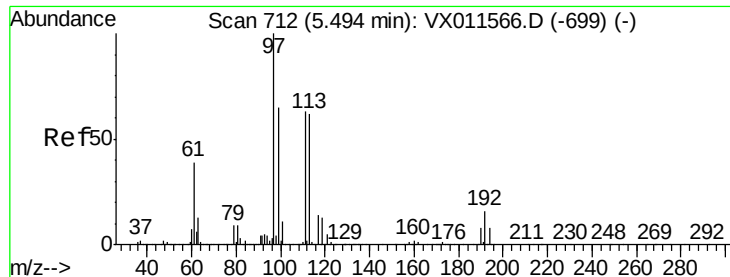
Tot Ion: 65 Resp: 141378
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion: 114 Resp: 421924
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.8
 88 14.8 0.0 30.2

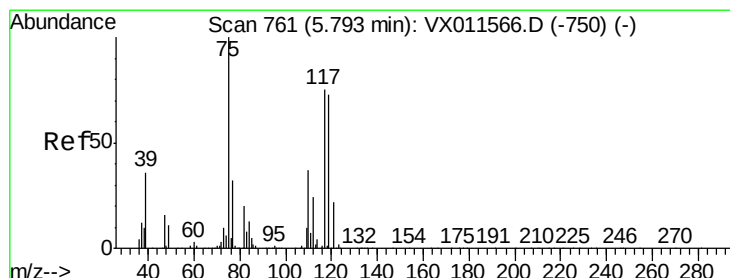
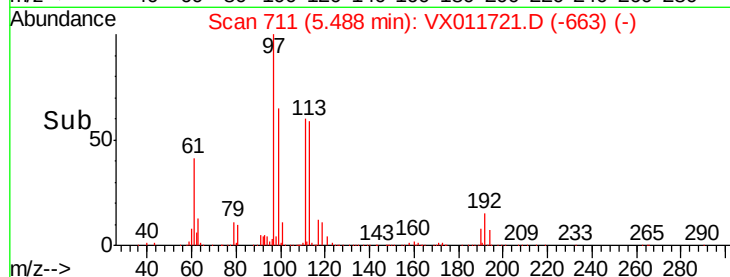
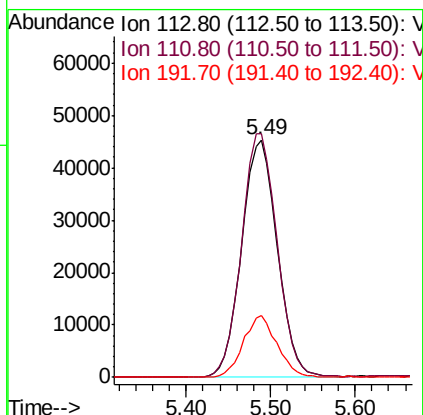
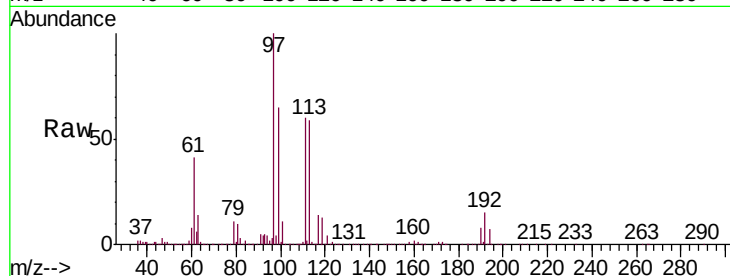




#35
 Dibromofluoromethane
 Concen: 47.036 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

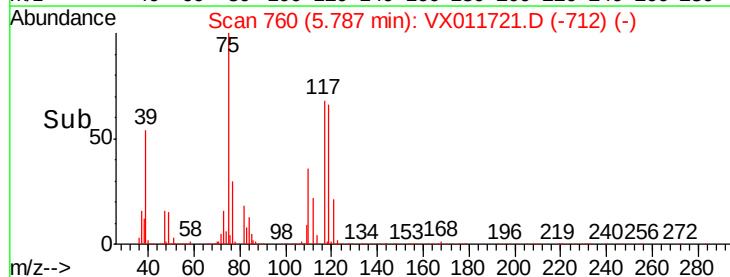
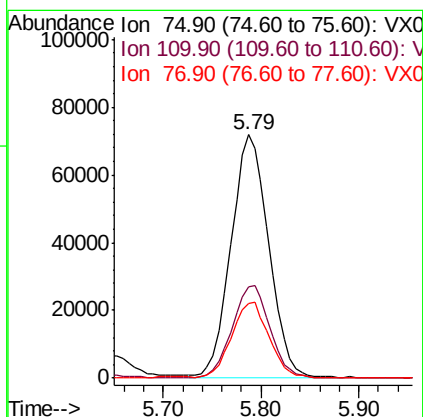
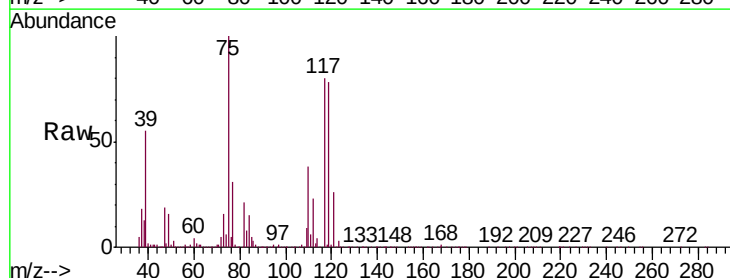
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

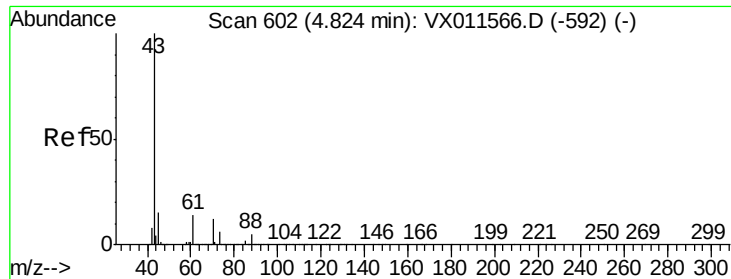
Tot Ion:113 Resp: 129802
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.1 121.7
 192 24.8 20.8 31.2



#36
 1,1-Dichloropropene
 Concen: 52.994 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion: 75 Resp: 191169
 Ion Ratio Lower Upper
 75 100
 110 38.1 19.4 58.1
 77 30.9 25.1 37.7

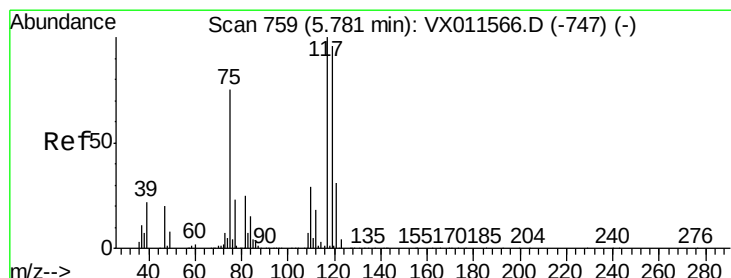
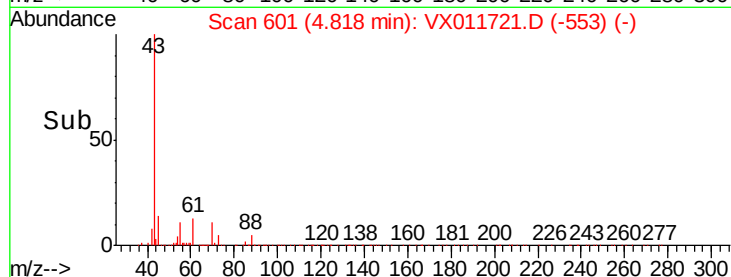
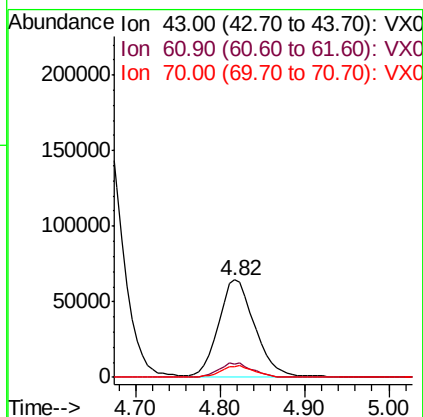
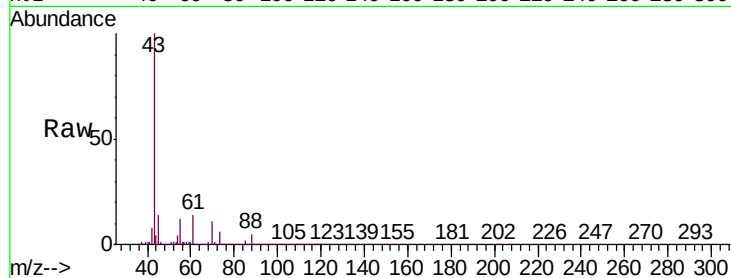




#37
Ethyl Acetate
Concen: 45.100 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

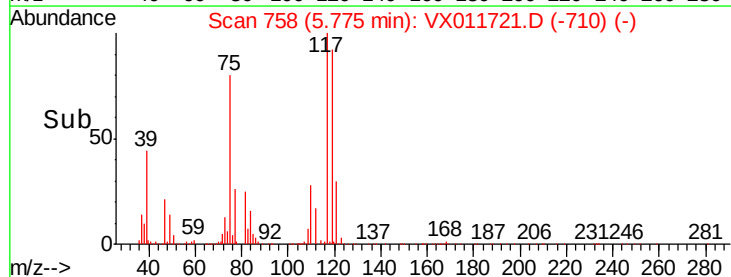
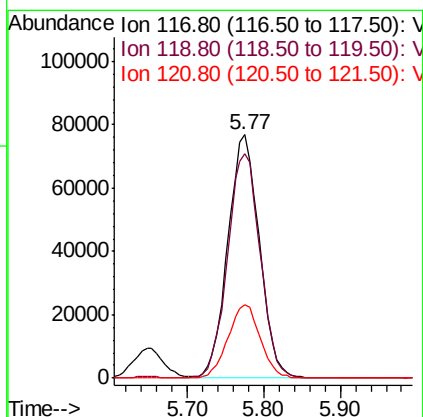
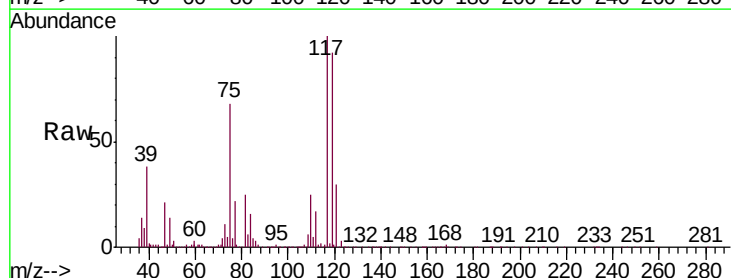
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

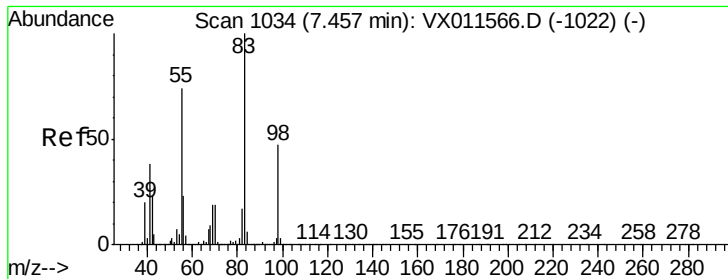
Tot Ion: 43 Resp: 187127
Ion Ratio Lower Upper
43 100
61 14.0 11.4 17.0
70 11.0 9.0 13.6



#38
Carbon Tetrachloride
Concen: 54.882 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion: 117 Resp: 218121
Ion Ratio Lower Upper
117 100
119 92.4 76.9 115.3
121 29.9 24.8 37.2

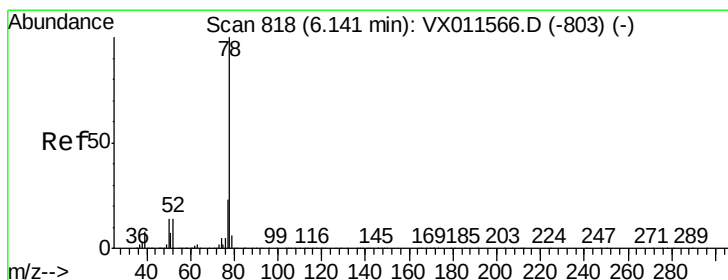
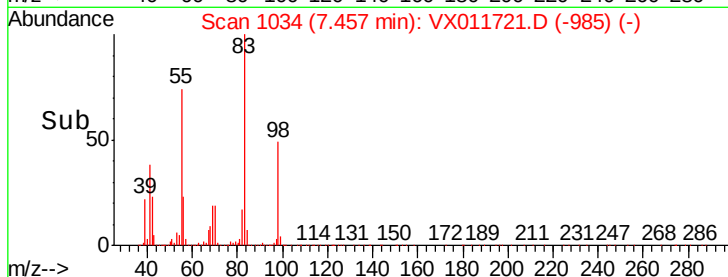
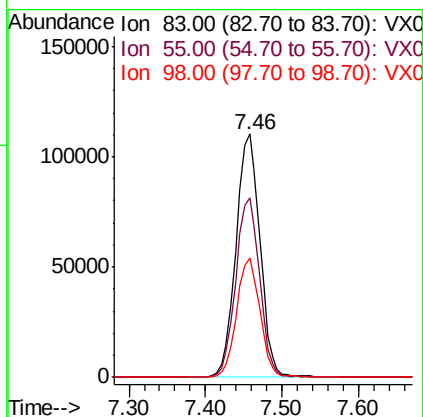
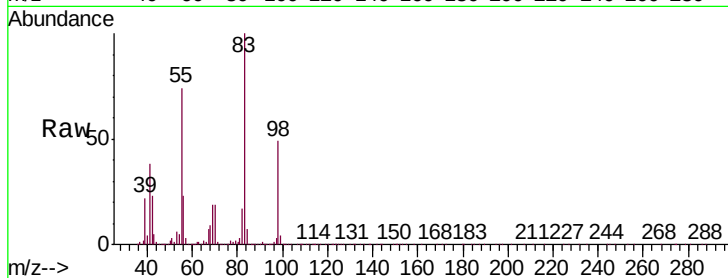




#39
Methylvlcyclohexane
Concen: 54.020 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

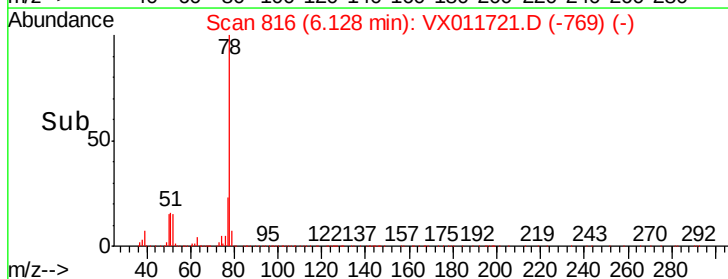
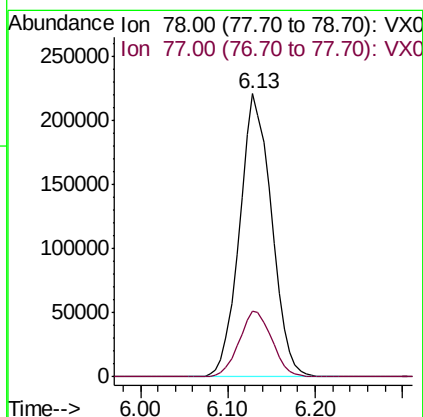
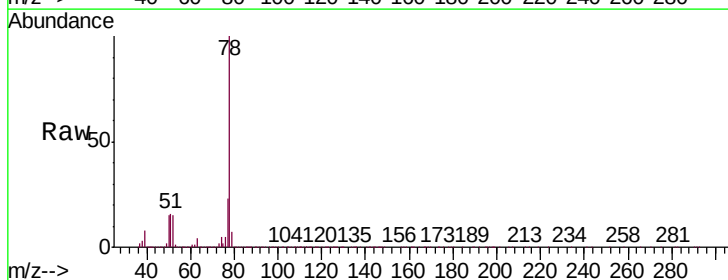
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

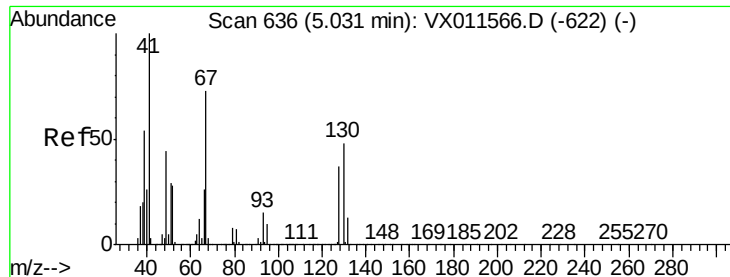
Tot Ion: 83 Resp: 240653
Ion Ratio Lower Upper
83 100
55 73.6 58.8 88.2
98 48.9 37.8 56.6



#40
Benzene
Concen: 49.991 ug/l
RT: 6.13 min Scan# 816
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion: 78 Resp: 560412
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0





#41

Methacrylonitrile

Concen: 46.692 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 106625

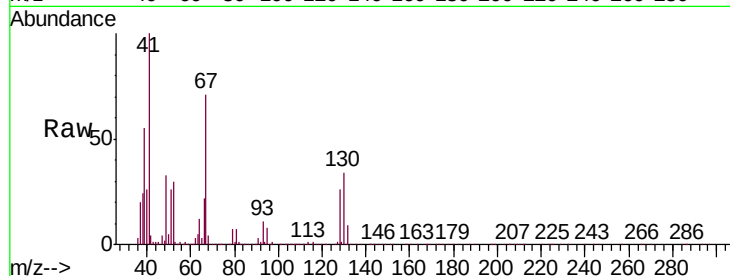
Ion Ratio Lower Upper

41 100

39 57.1 43.5 65.3

67 75.1 59.4 89.2

52 30.3 23.4 35.2

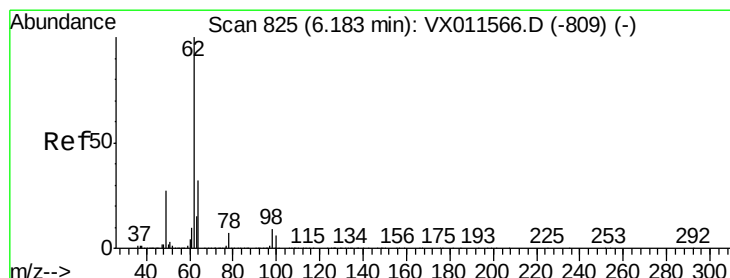
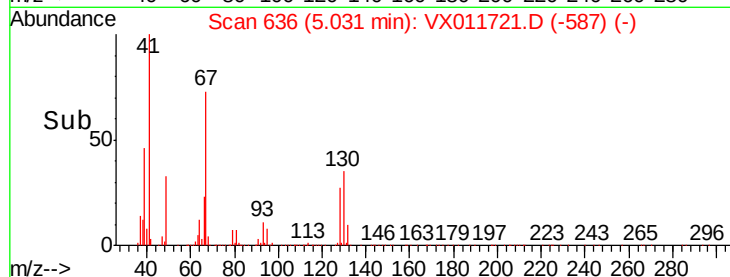
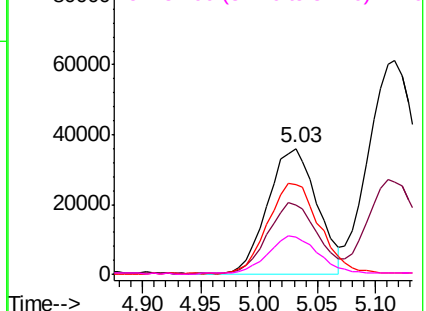


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 55.535 ug/l

RT: 6.18 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX011721.D

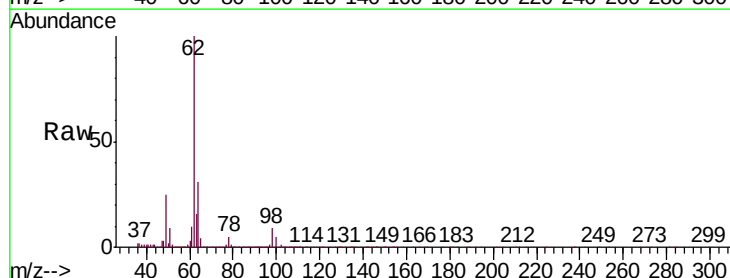
Acq: 21 Aug 2019 08:56

Tgt Ion: 62 Resp: 215695

Ion Ratio Lower Upper

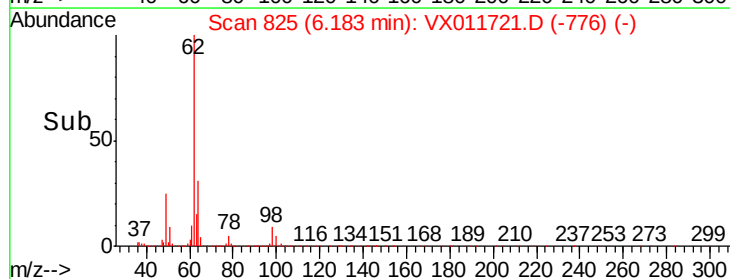
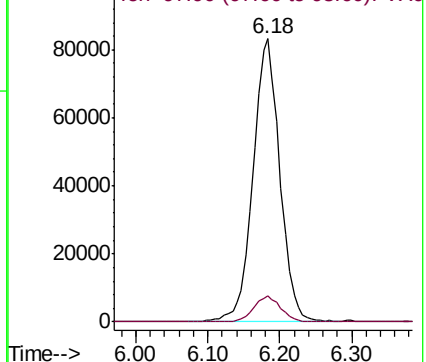
62 100

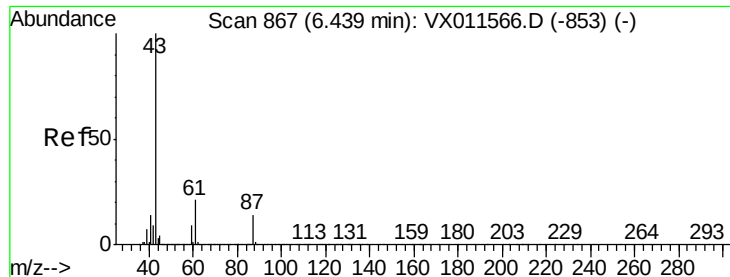
98 9.0 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



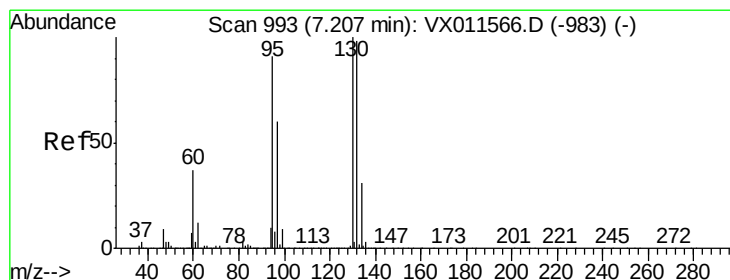
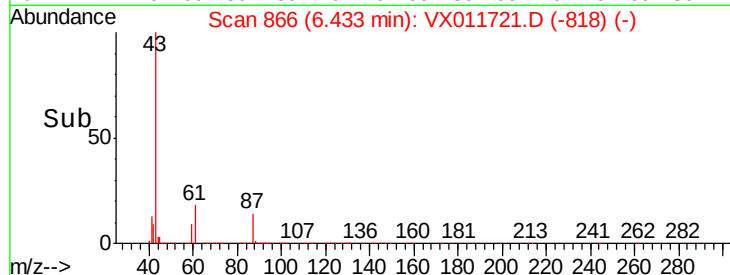
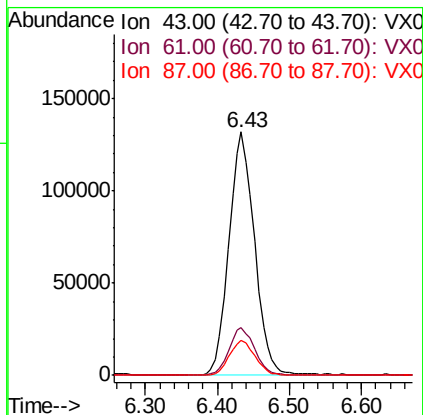
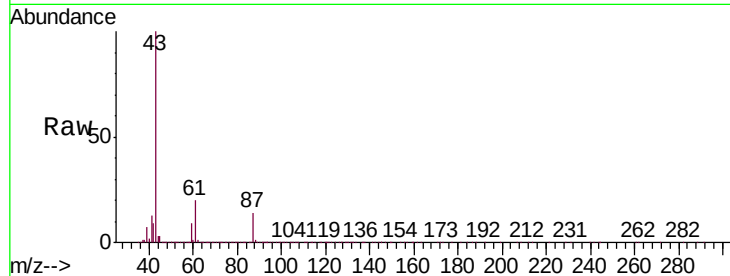


#43

Isopropyl Acetate
 Concen: 50.294 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

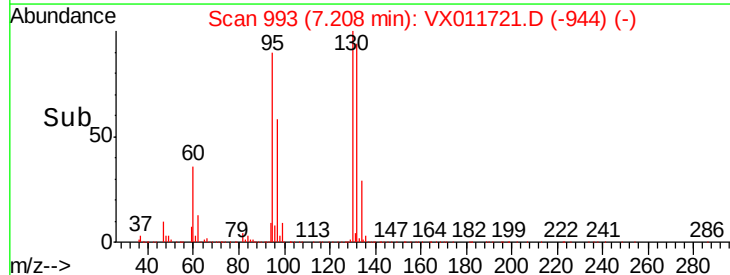
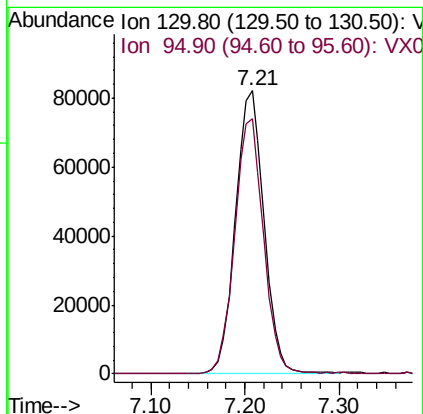
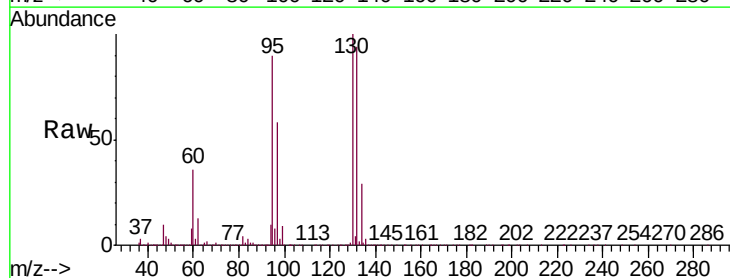
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.6	24.8
87	14.3	11.4	17.2

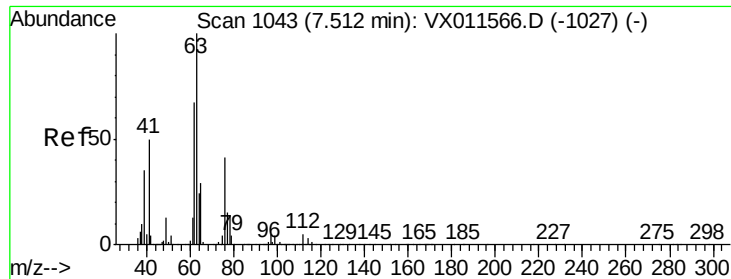


#44

Trichloroethene
 Concen: 52.042 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	181.4

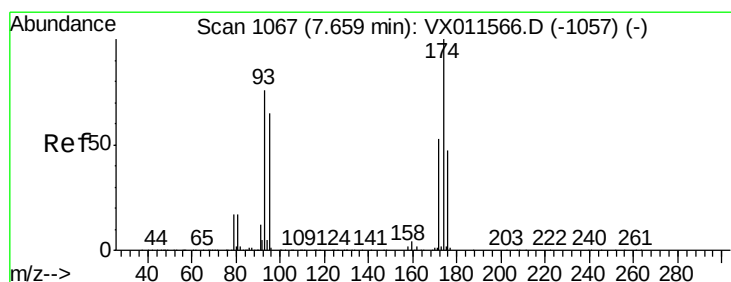
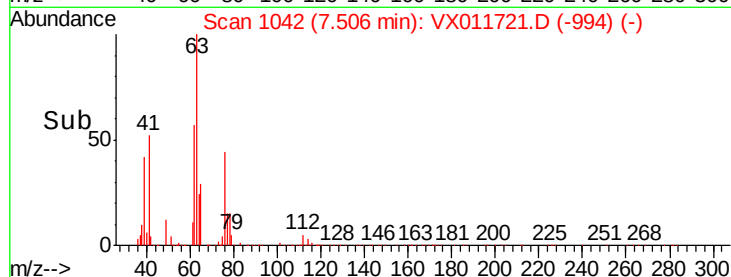
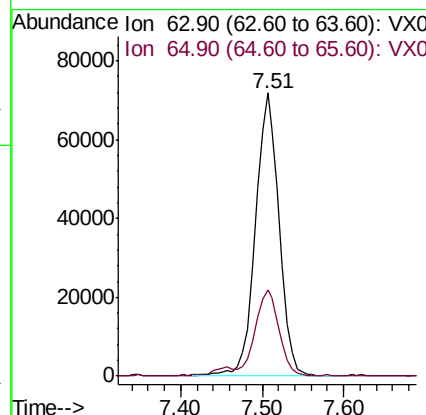
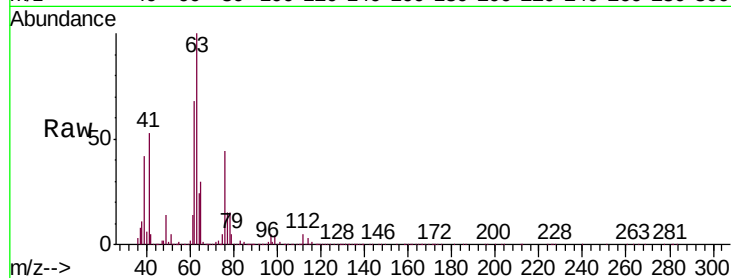




#45
 1,2-Dichloropropane
 Concen: 51.709 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

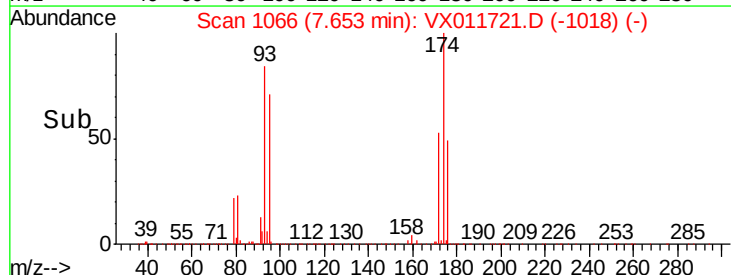
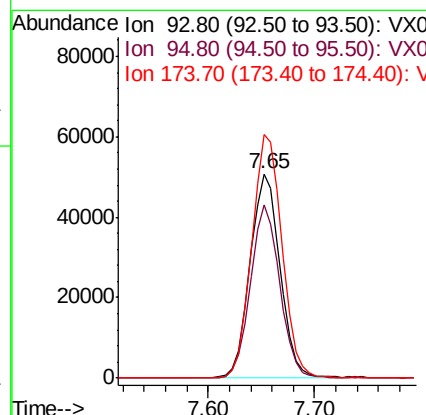
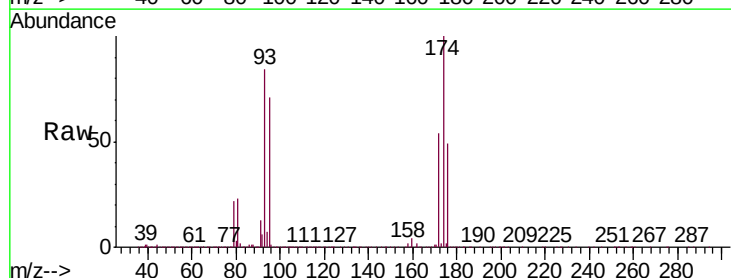
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

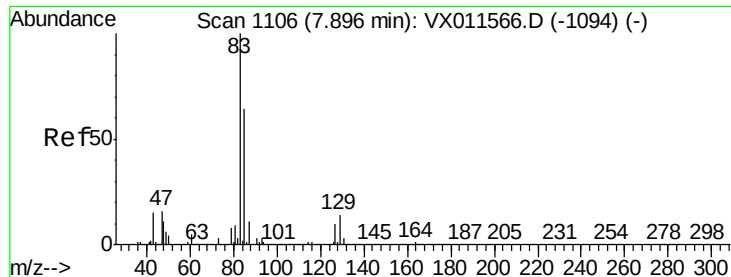
Tot Ion: 63 Resp: 144565
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.4 35.2



#46
 Dibromomethane
 Concen: 49.453 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion: 93 Resp: 100472
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.2 100.8
 174 120.5 105.5 158.3





#47

Bromodichloromethane

Concen: 53.341 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

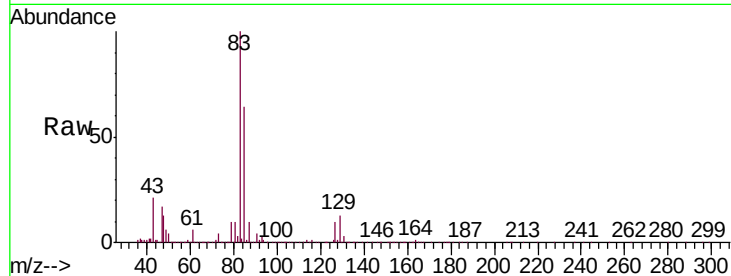
Tot Ion: 83 Resp: 198980

Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

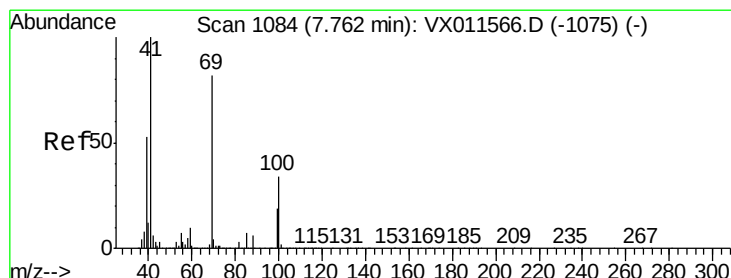
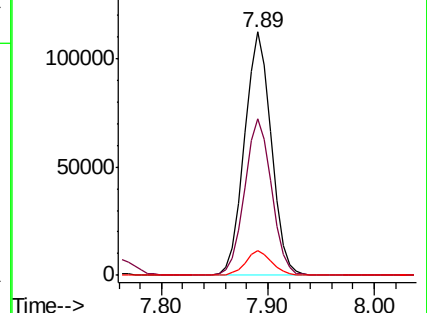
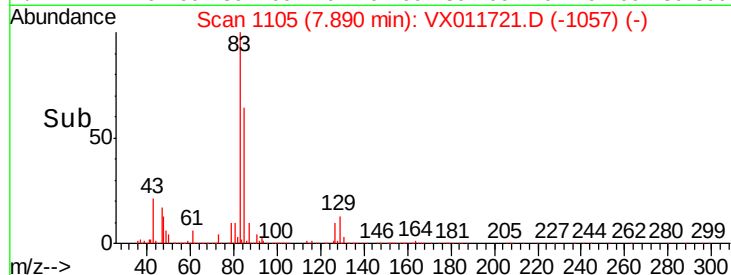
127 10.2 8.1 12.1



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: 50.852 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

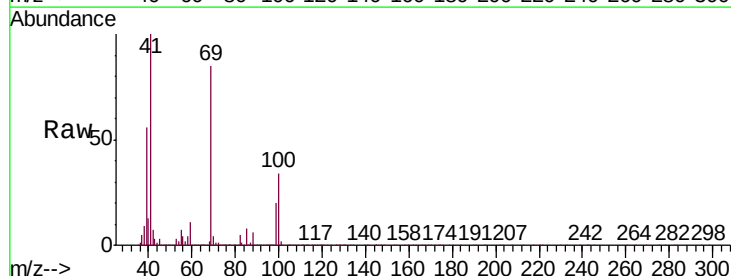
Tgt Ion: 41 Resp: 163064

Ion Ratio Lower Upper

41 100

69 87.1 67.9 101.9

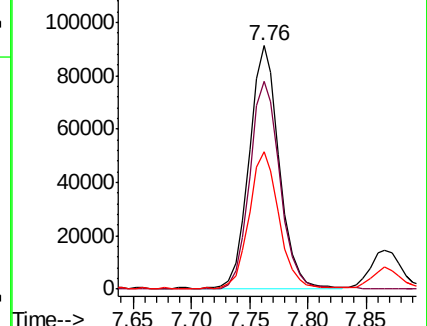
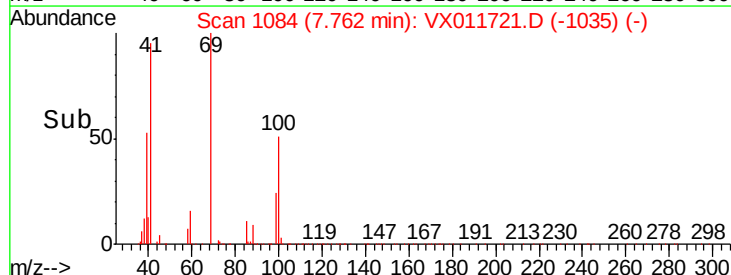
39 55.6 41.6 62.4

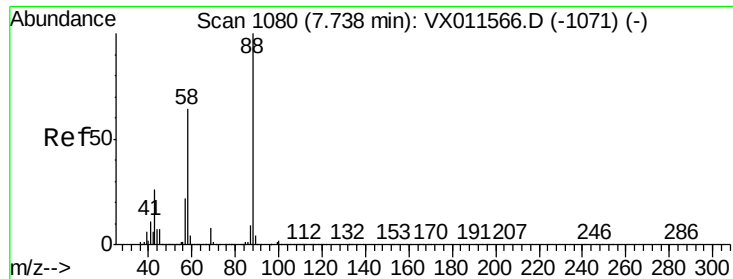


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 952.506 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

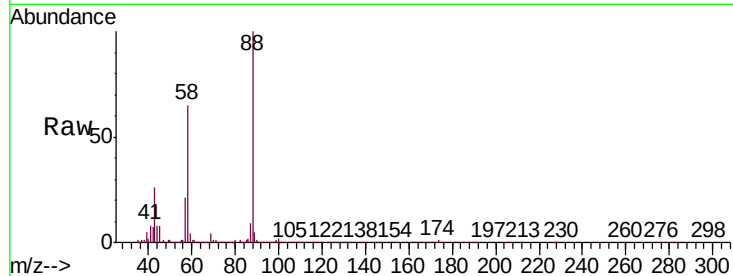
Tot Ion: 88 Resp: 81239

Ion Ratio Lower Upper

88 100

43 29.6 23.4 35.0

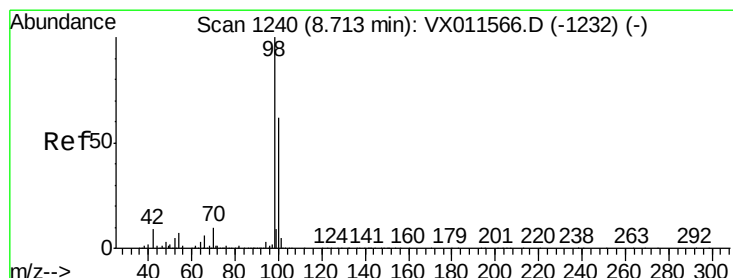
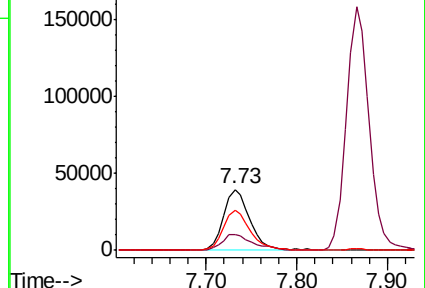
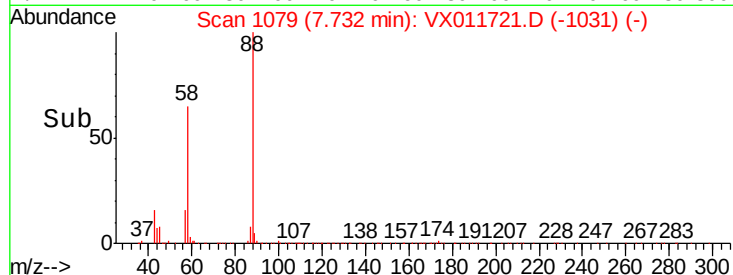
58 66.6 54.3 81.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.532 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011721.D

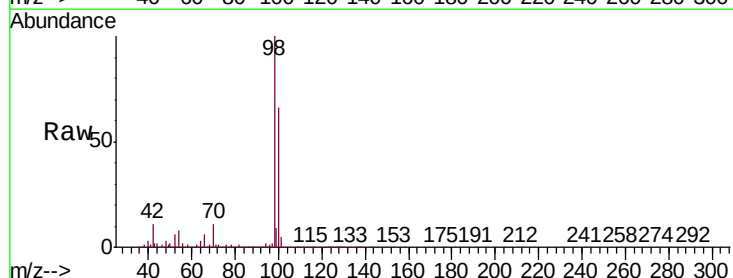
Acq: 21 Aug 2019 08:56

Tgt Ion: 98 Resp: 425915

Ion Ratio Lower Upper

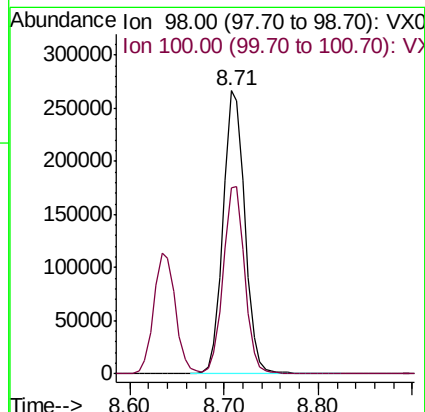
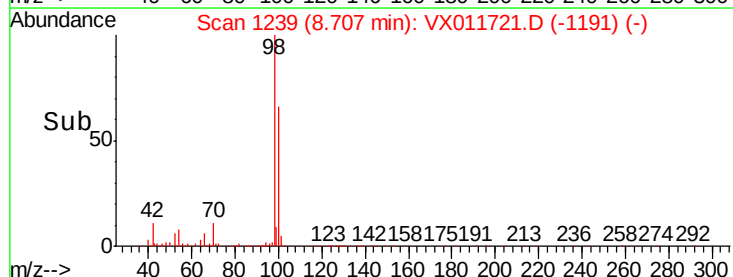
98 100

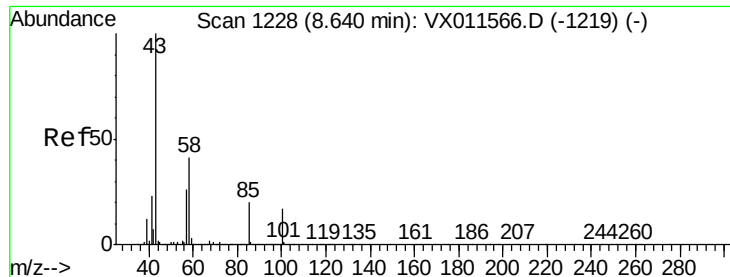
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 256.191 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

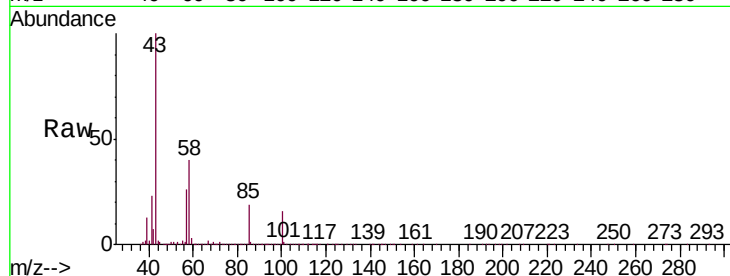
VSTDCCC050

Tot Ion: 43 Resp: 1085829

Ion Ratio Lower Upper

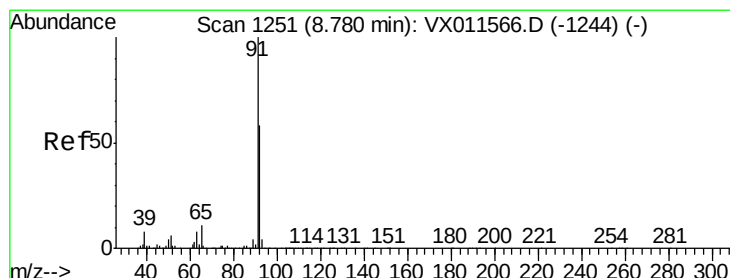
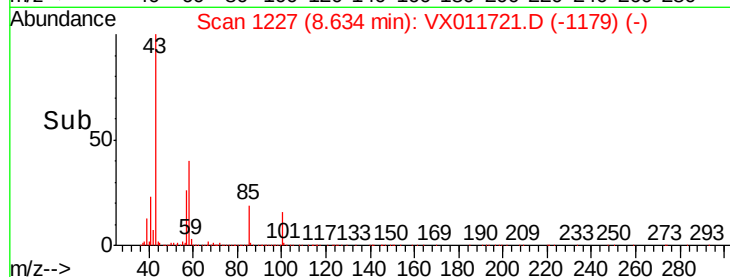
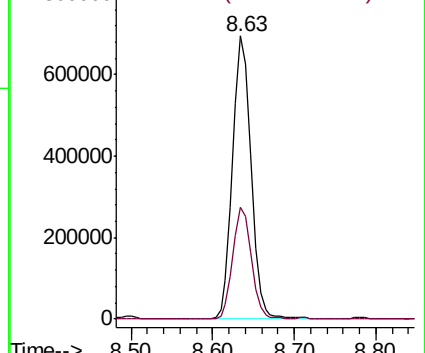
43 100

58 39.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.389 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011721.D

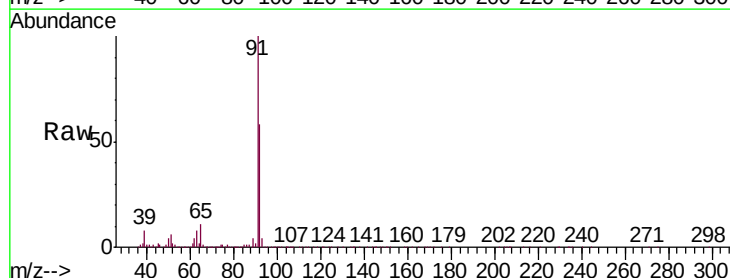
Acq: 21 Aug 2019 08:56

Tgt Ion: 92 Resp: 381299

Ion Ratio Lower Upper

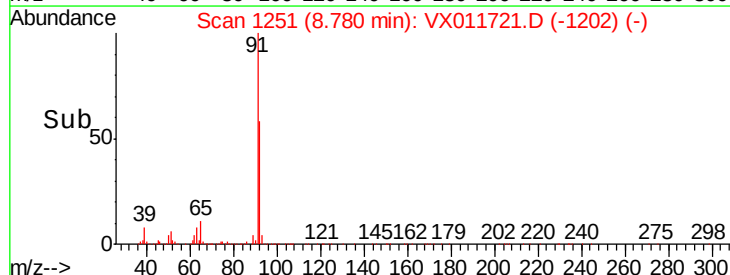
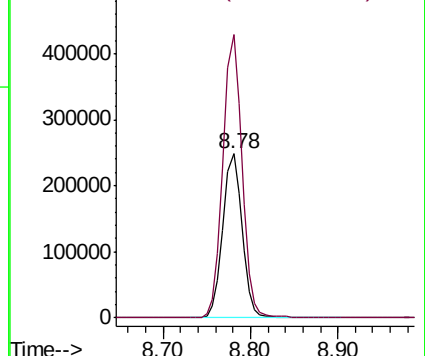
92 100

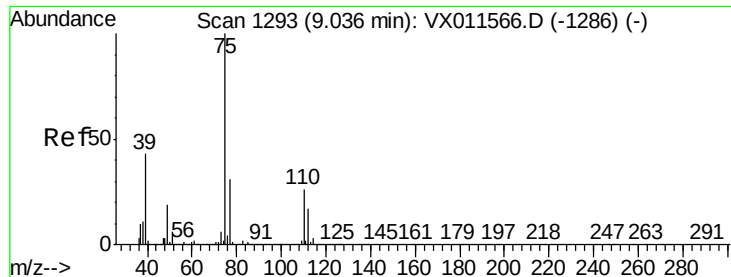
91 170.2 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 57.238 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

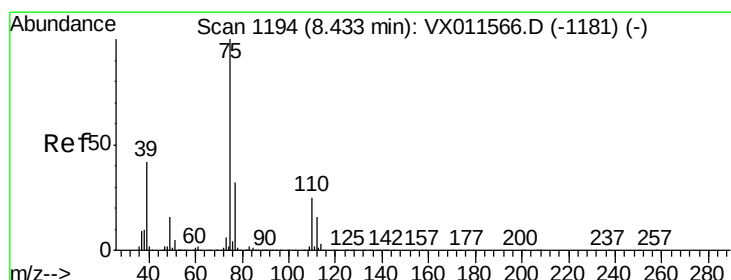
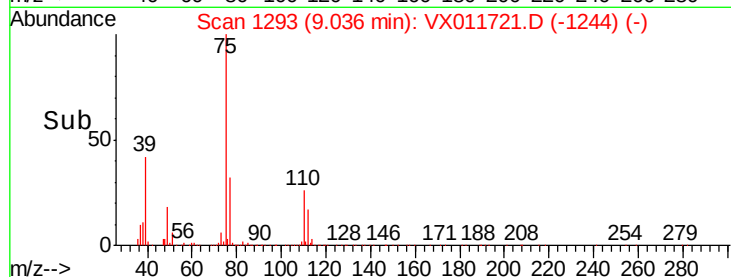
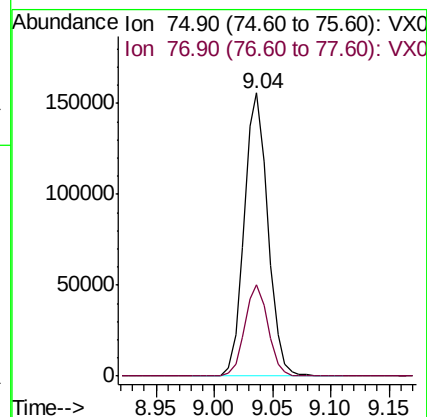
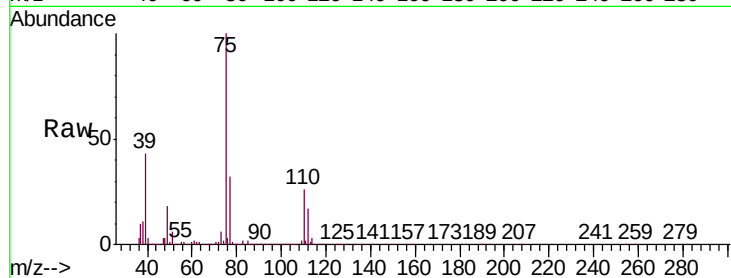
VSTDCCC050

Tot Ion: 75 Resp: 221596

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 56.178 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

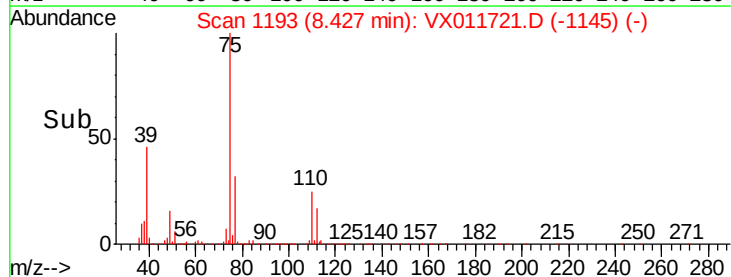
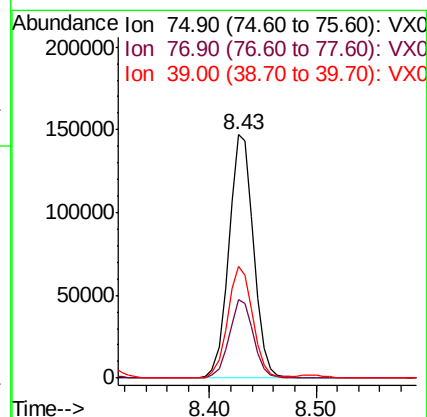
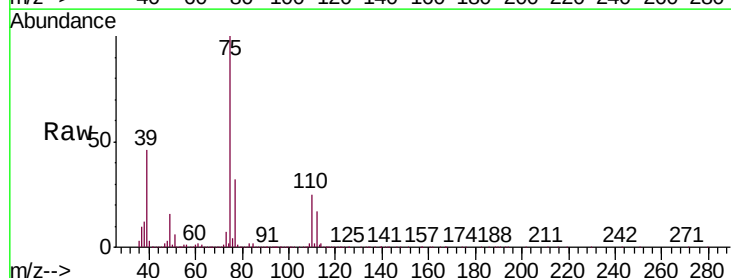
Tgt Ion: 75 Resp: 238018

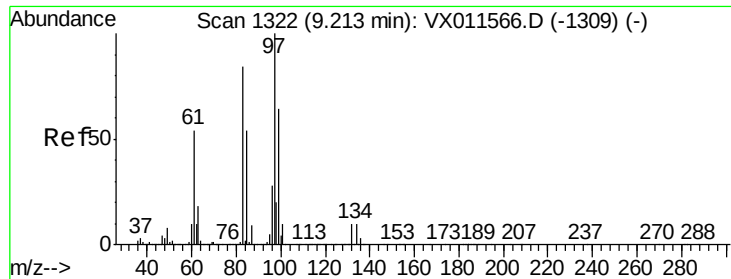
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 45.6 33.6 50.4

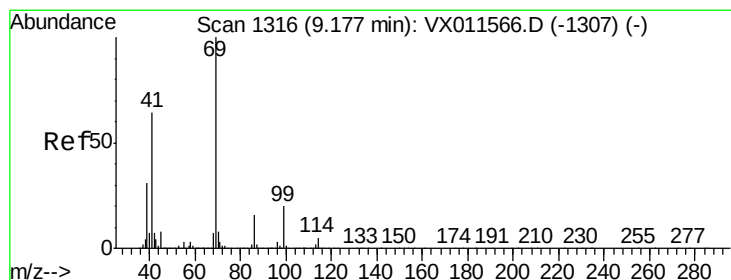
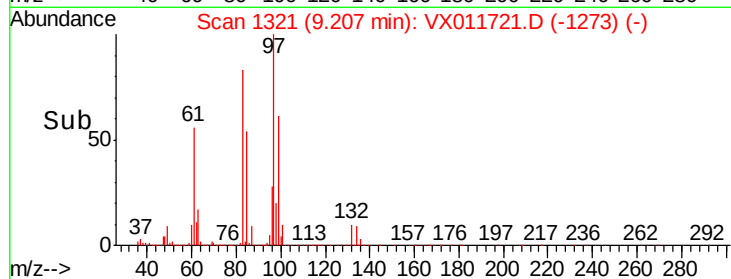
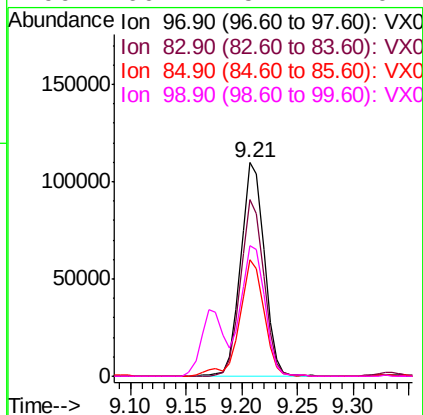
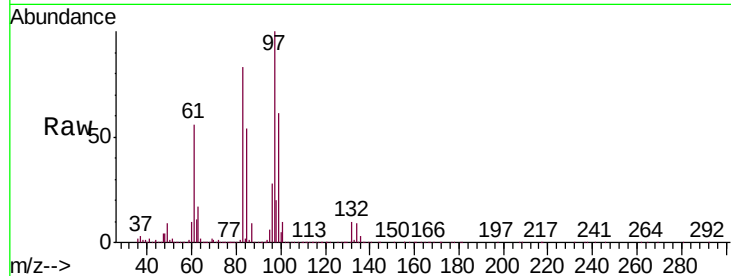




#55
 1,1,2-Trichloroethane
 Concen: 53.422 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

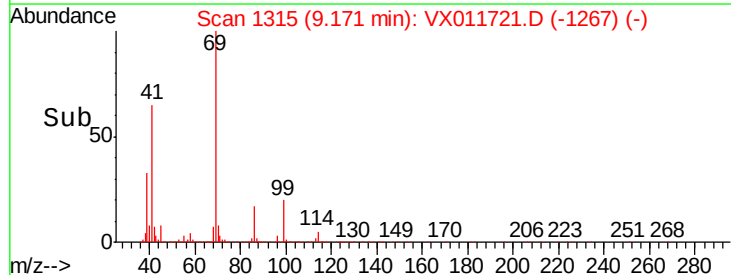
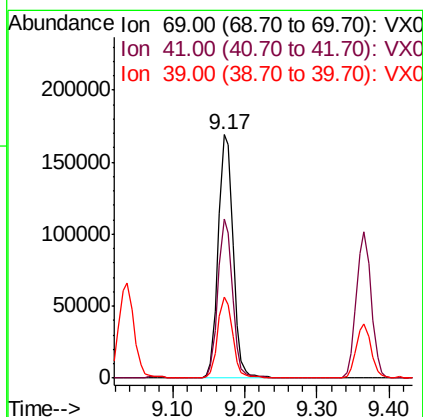
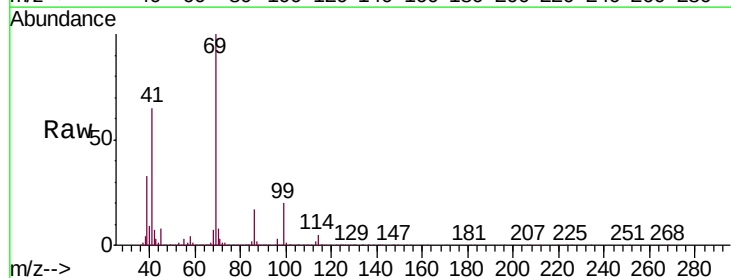
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

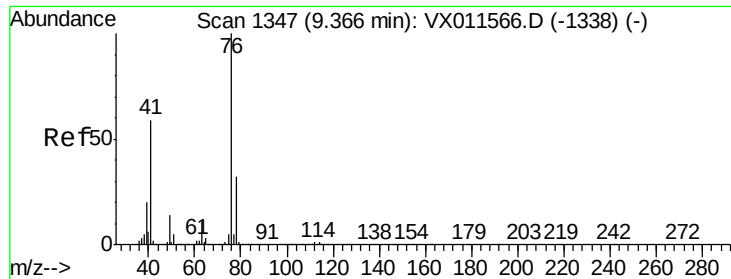
Tot Ion:	97	Resp:	162248
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.4	101.0
85	54.2	43.4	65.2
99	60.7	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 54.976 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion:	69	Resp:	242678
Ion	Ratio	Lower	Upper
69	100		
41	63.4	52.1	78.1
39	32.8	25.4	38.0

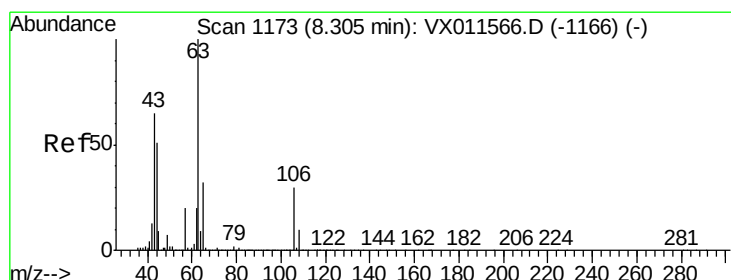
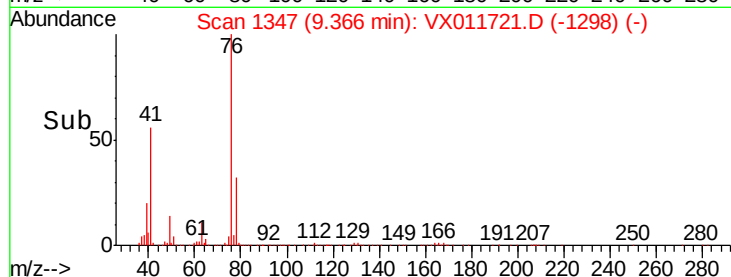
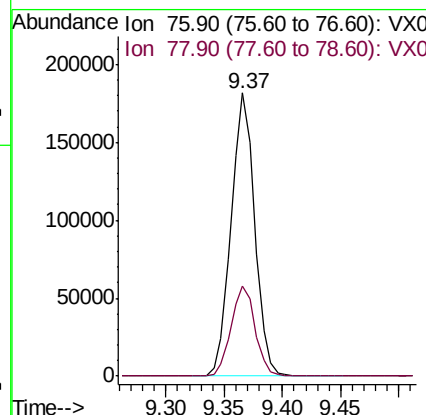
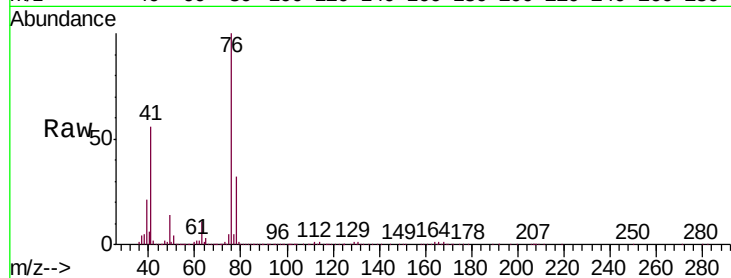




#57
 1,3-Dichloropropane
 Concen: 52.966 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

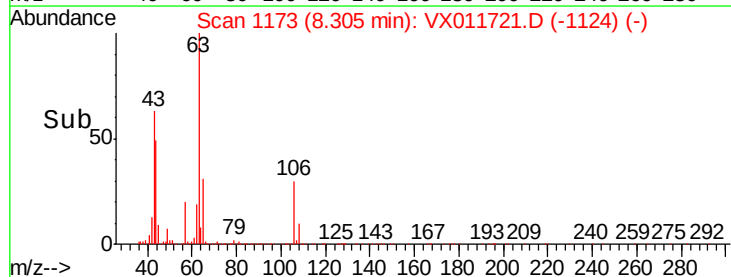
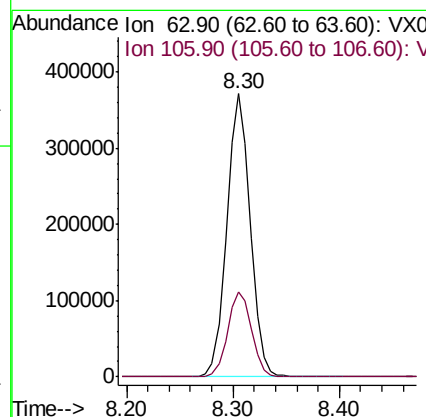
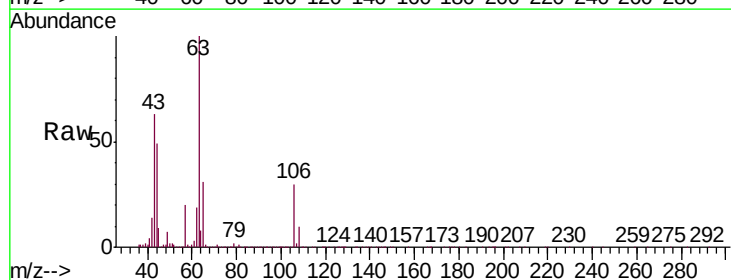
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

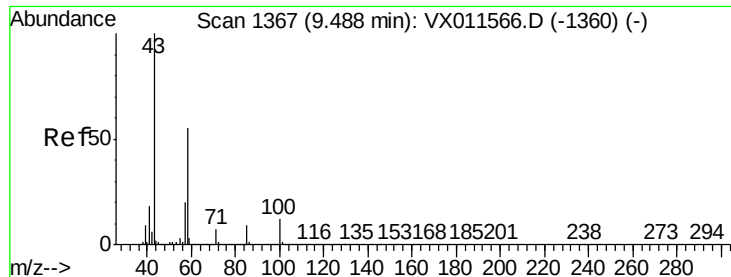
Tot Ion: 76 Resp: 255705
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.159 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion: 63 Resp: 567811
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.7 37.1

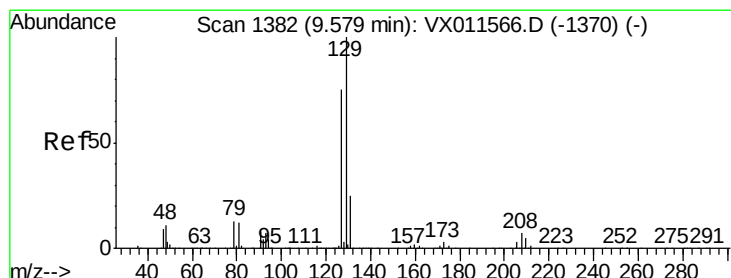
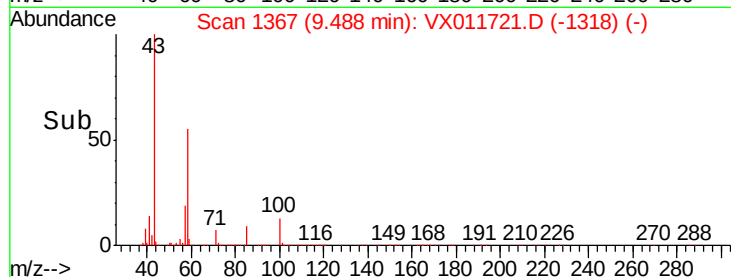
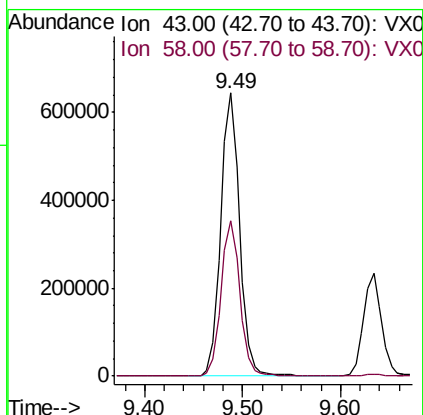
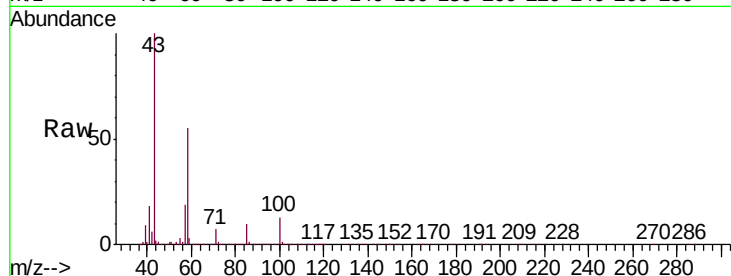




#59
2-Hexanone
Concen: 263.664 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

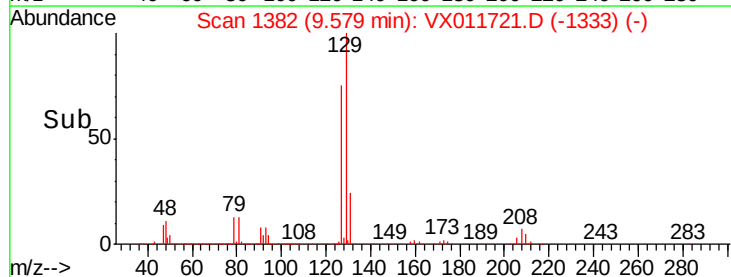
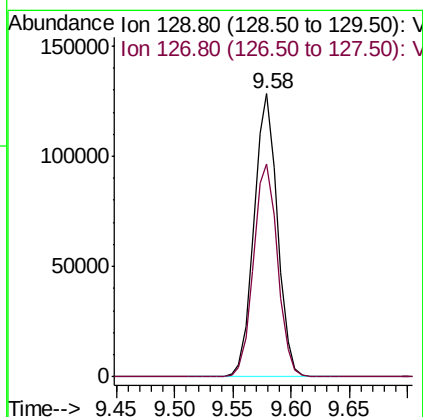
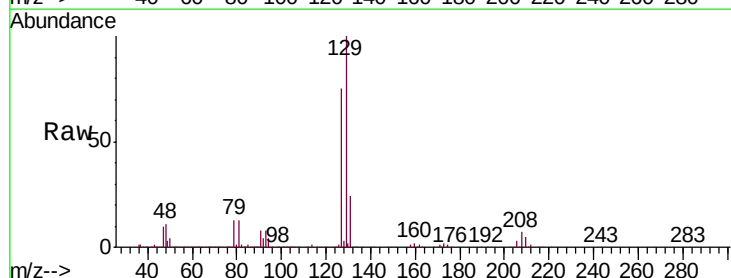
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

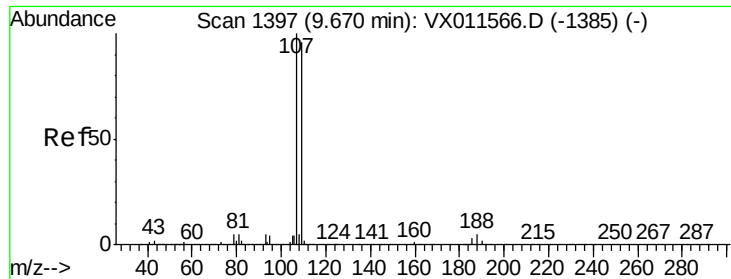
Tot Ion: 43 Resp: 861766
Ion Ratio Lower Upper
43 100
58 55.0 27.5 82.4



#60
Dibromochloromethane
Concen: 56.981 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion: 129 Resp: 180307
Ion Ratio Lower Upper
129 100
127 77.5 38.0 114.1





#61

1,2-Dibromoethane

Concen: 53.294 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

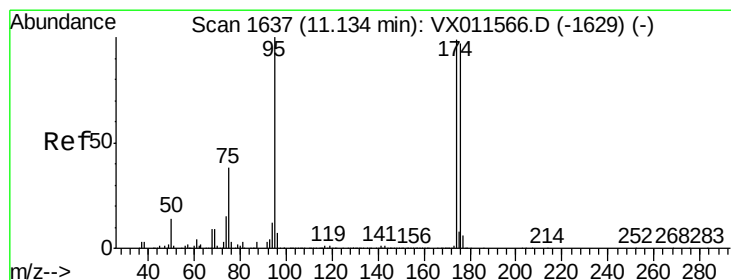
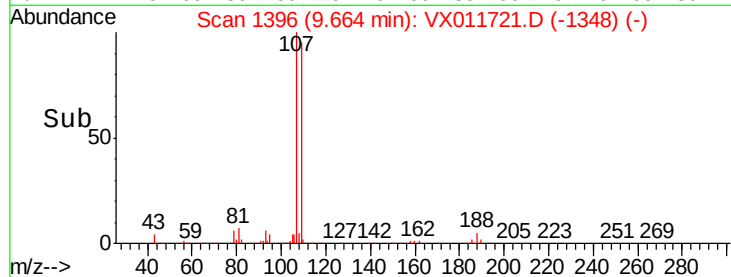
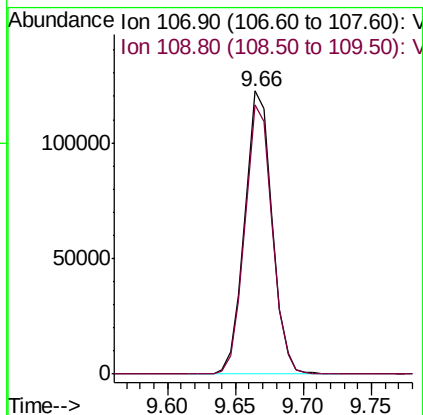
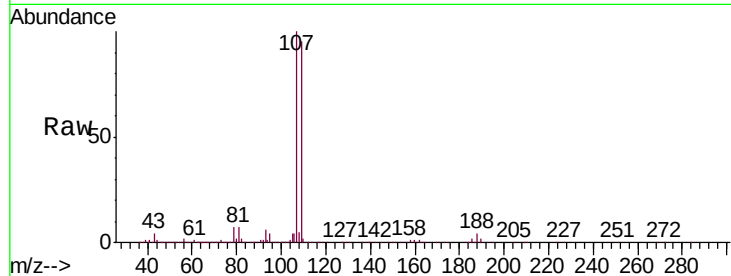
VSTDCCC050

Tot Ion:107 Resp: 172743

Ion Ratio Lower Upper

107 100

109 95.5 76.2 114.2



#62

4-Bromofluorobenzene

Concen: 50.564 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

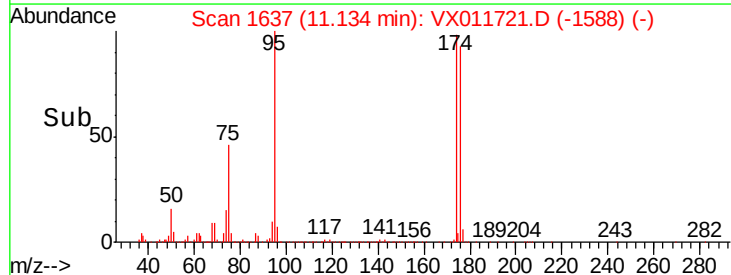
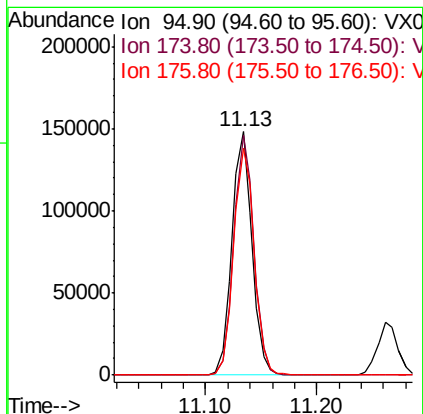
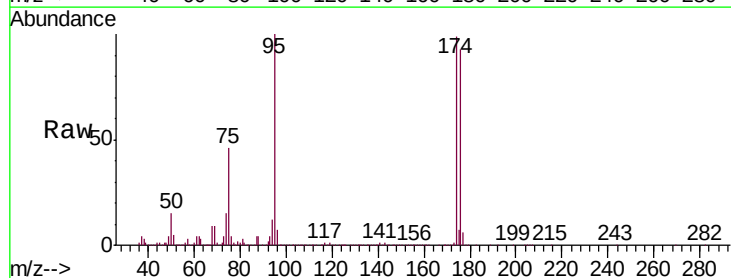
Tgt Ion: 95 Resp: 183517

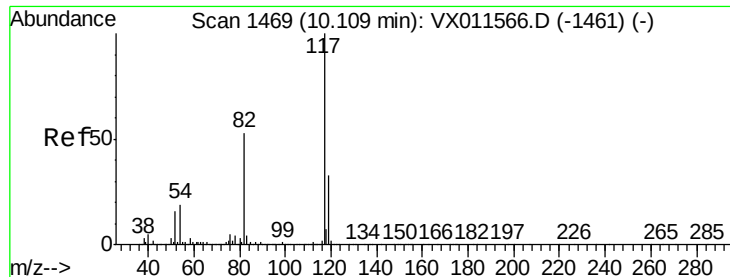
Ion Ratio Lower Upper

95 100

174 99.6 0.0 200.6

176 95.8 0.0 196.6

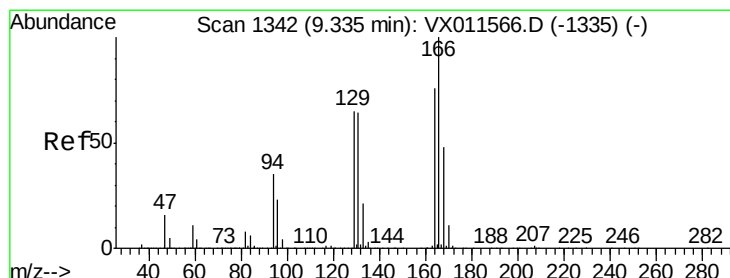
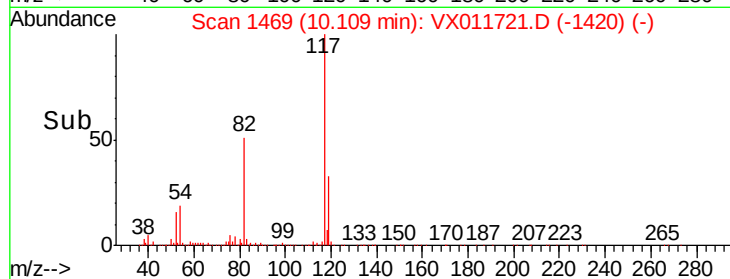
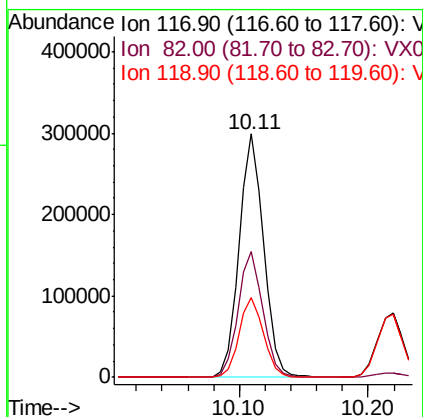
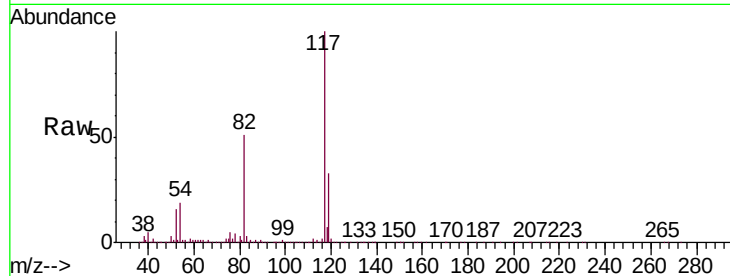




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

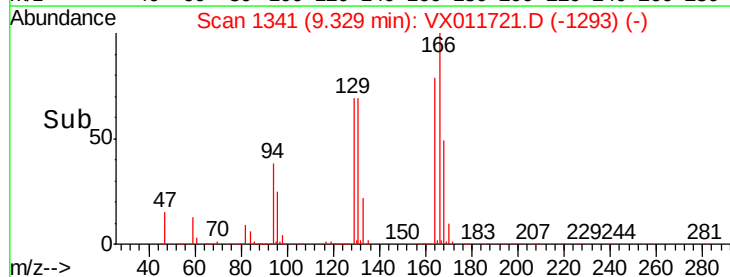
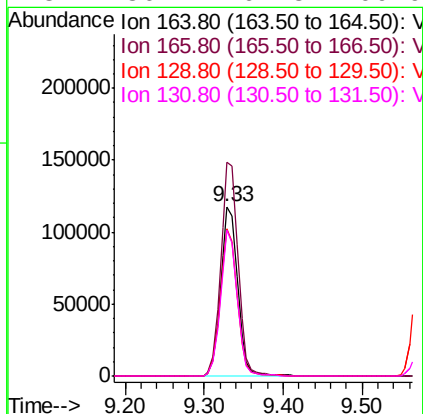
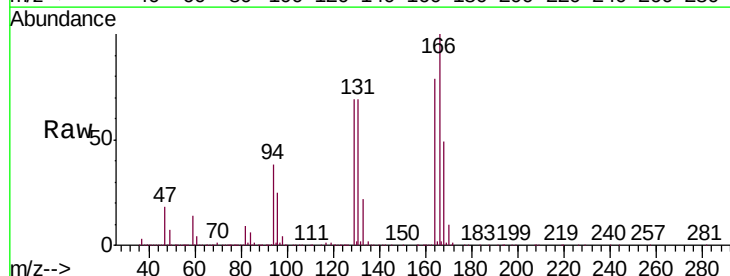
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

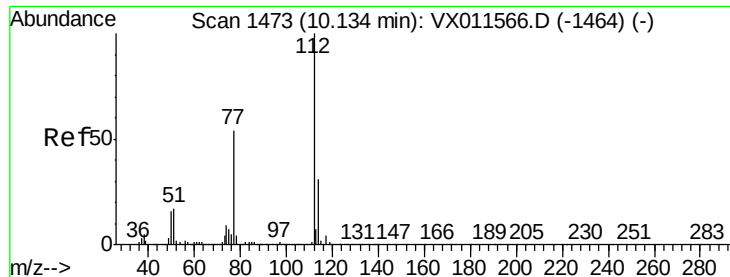
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.0	63.0
119	32.7	26.5	39.7



#64
Tetrachloroethene
Concen: 54.624 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	104.7	157.1
129	87.1	68.2	102.4
131	86.4	67.3	100.9





#65

Chlorobenzene

Concen: 51.553 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

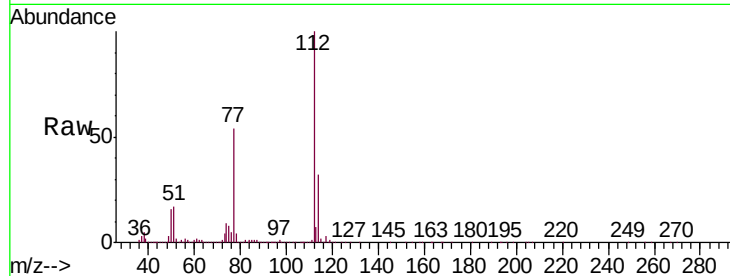
VSTDCCC050

Tot Ion:112 Resp: 432314

Ion Ratio Lower Upper

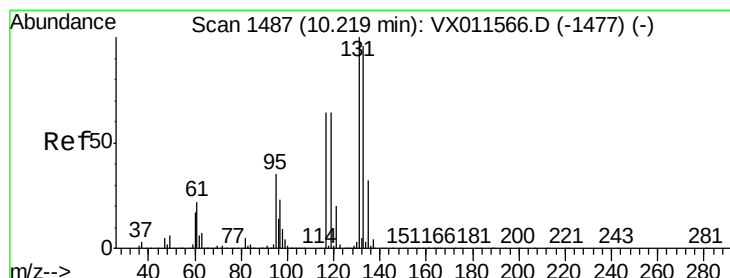
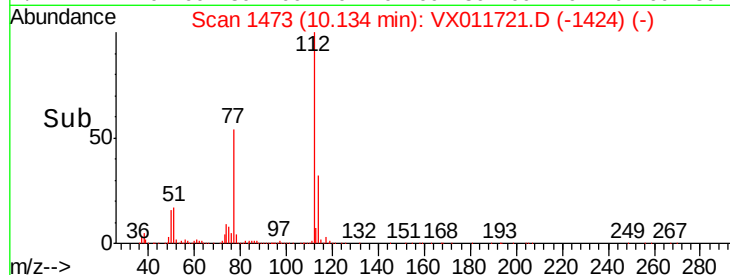
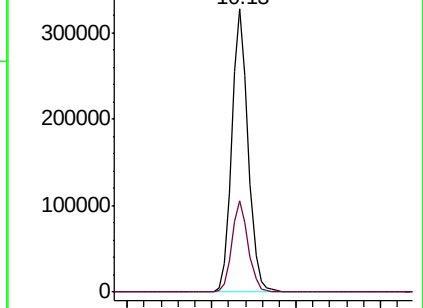
112 100

114 32.5 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.072 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

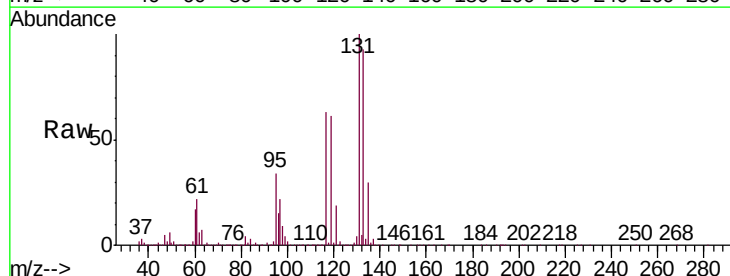
Tgt Ion:131 Resp: 169481

Ion Ratio Lower Upper

131 100

133 95.1 48.1 144.4

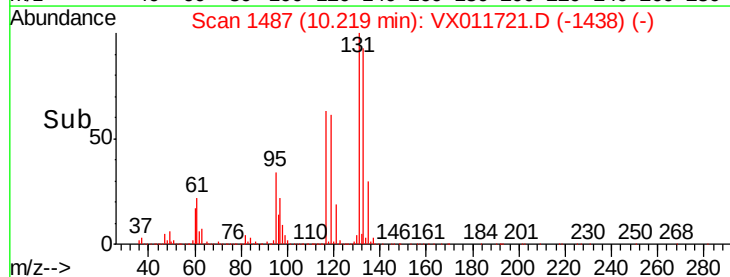
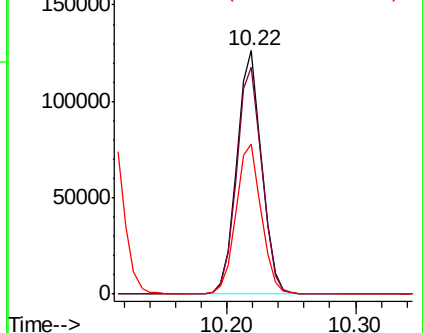
119 62.7 31.3 93.8

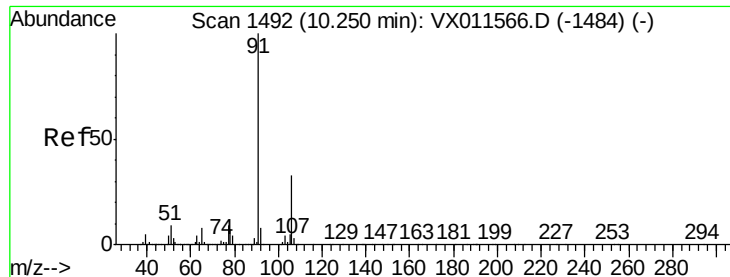


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.278 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

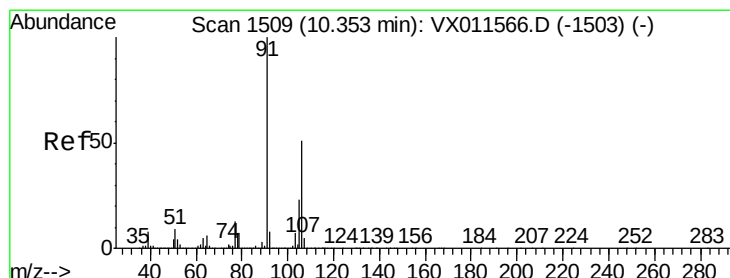
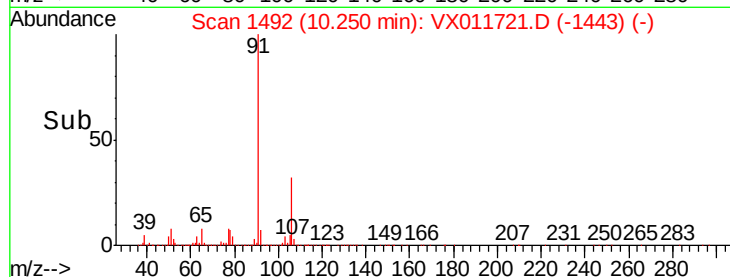
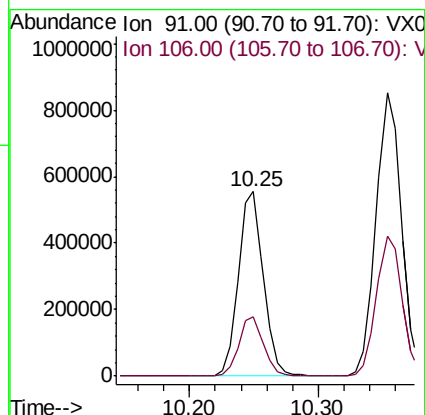
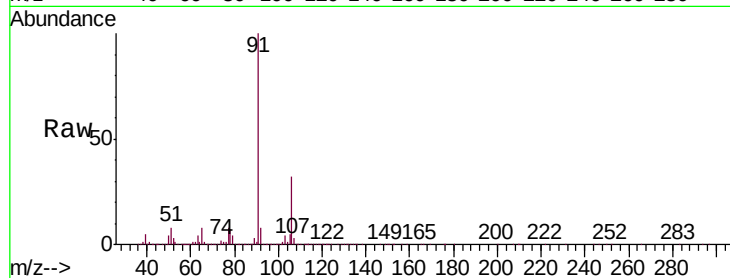
VSTDCCC050

Tot Ion: 91 Resp: 745644

Ion Ratio Lower Upper

91 100

106 32.4 26.0 39.0



#68

m/p-Xylenes

Concen: 107.785 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011721.D

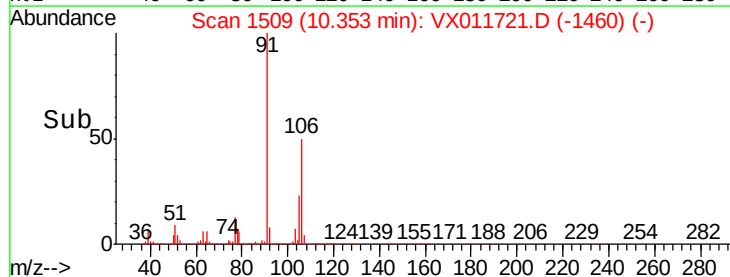
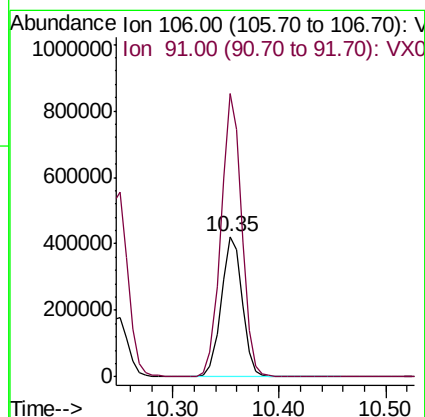
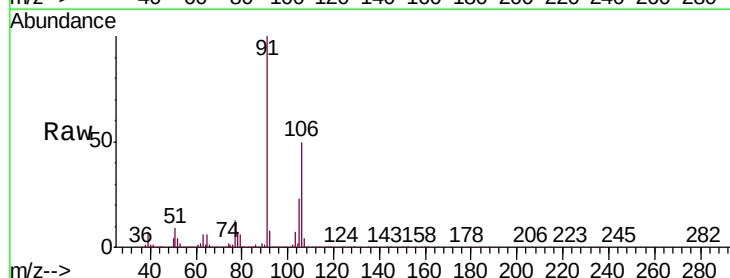
Acq: 21 Aug 2019 08:56

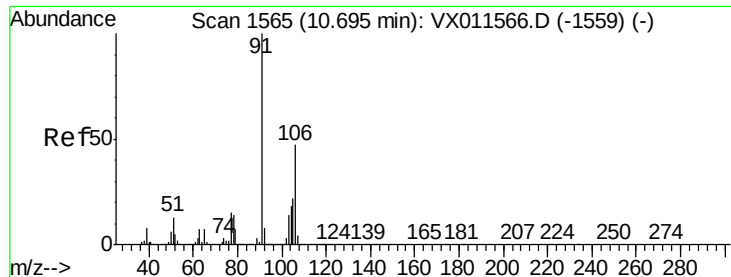
Tgt Ion: 106 Resp: 579036

Ion Ratio Lower Upper

106 100

91 199.1 156.0 234.0

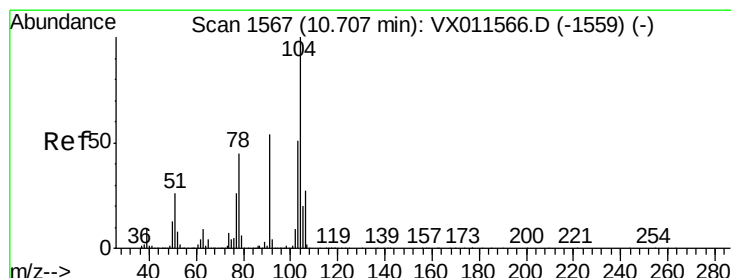
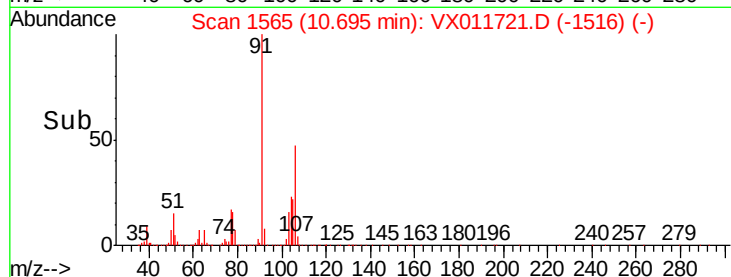
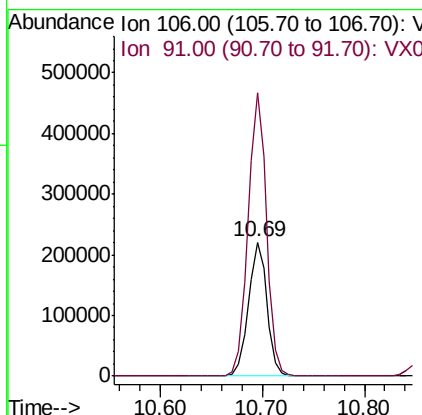
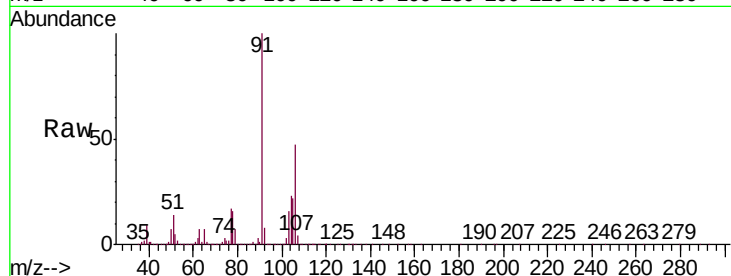




#69
o-Xylene
Concen: 52.961 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

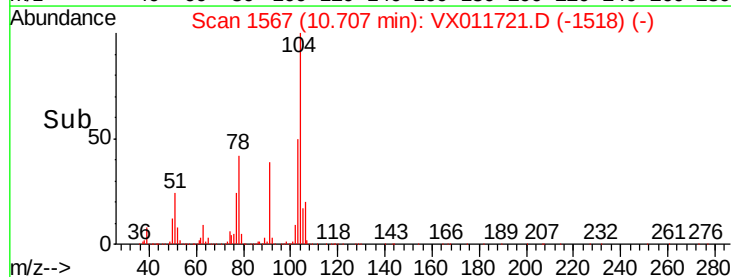
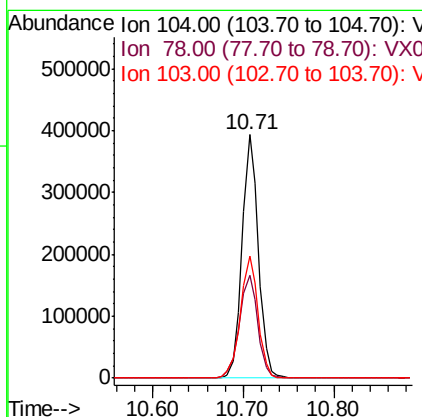
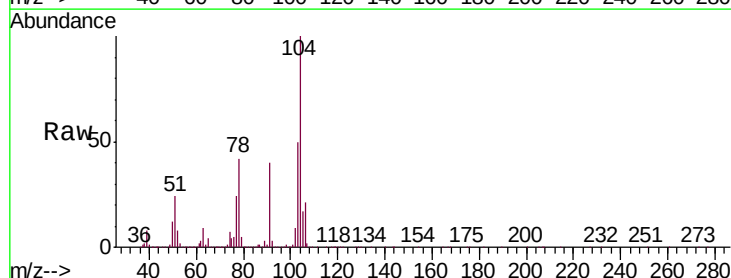
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

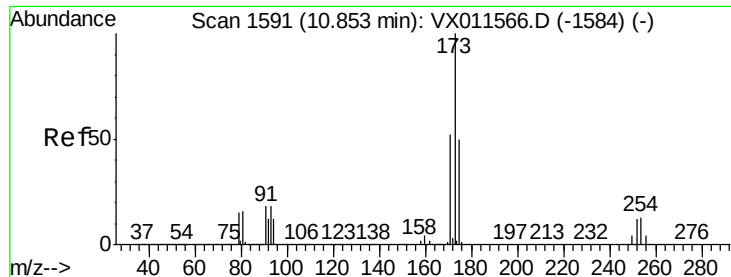
Tot Ion:106 Resp: 278688
Ion Ratio Lower Upper
106 100
91 210.2 105.5 316.4



#70
Styrene
Concen: 55.266 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion:104 Resp: 489574
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.4
103 54.2 43.6 65.4





#71

Bromoform

Concen: 47.974 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

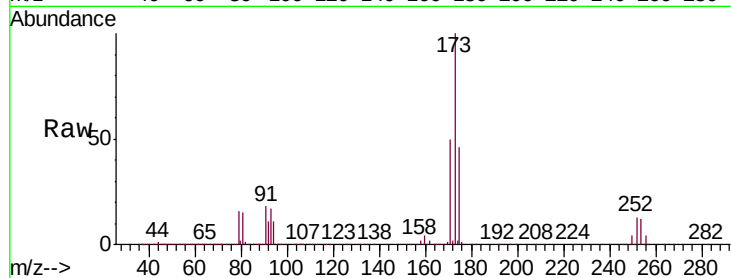
Tot Ion:173 Resp: 145688

Ion Ratio Lower Upper

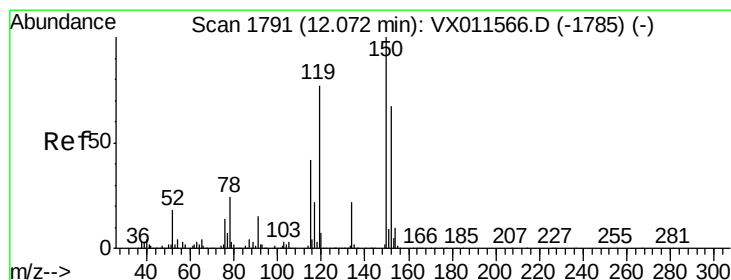
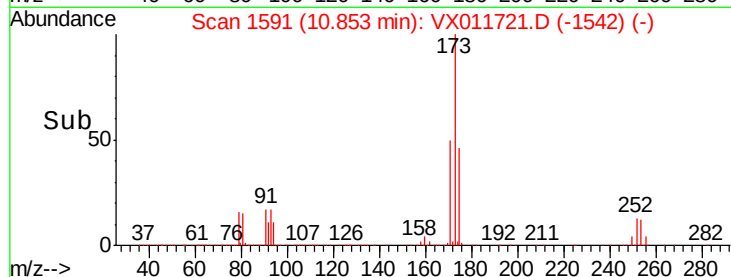
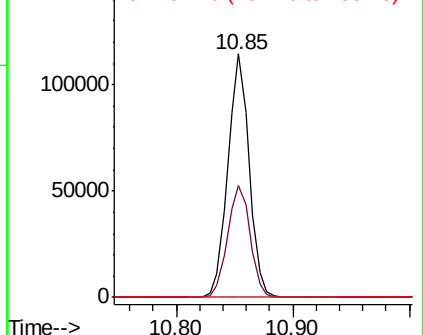
173 100

175 48.6 24.9 74.7

254 0.3 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

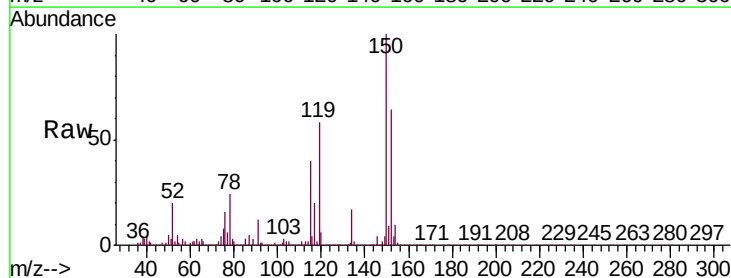
Tgt Ion:152 Resp: 199136

Ion Ratio Lower Upper

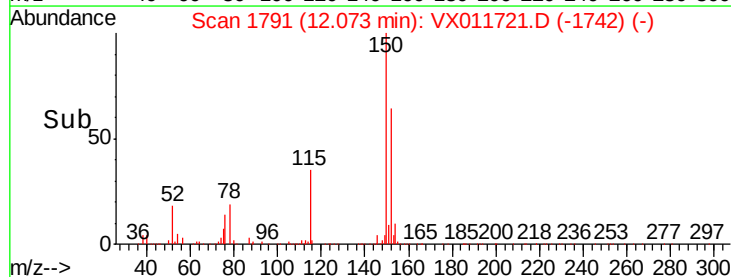
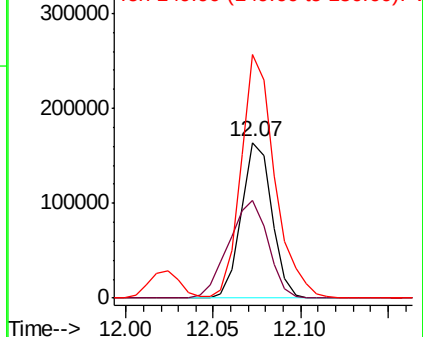
152 100

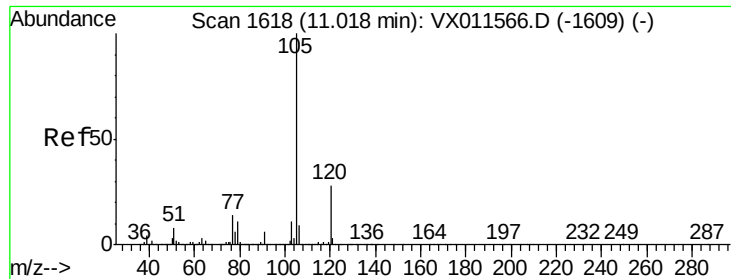
115 80.6 37.3 111.9

150 172.5 0.0 346.2



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





#73

Isopropylbenzene

Concen: 59.994 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

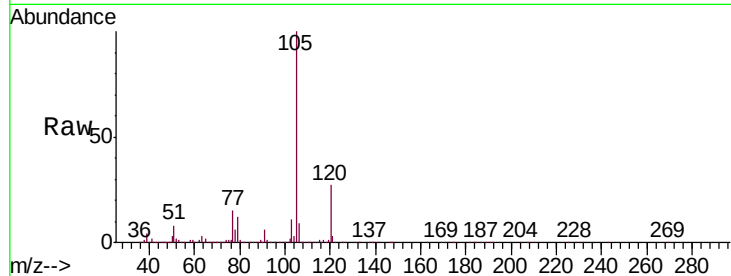
VSTDCCC050

Tot Ion:105 Resp: 775223

Ion Ratio Lower Upper

105 100

120 27.5 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

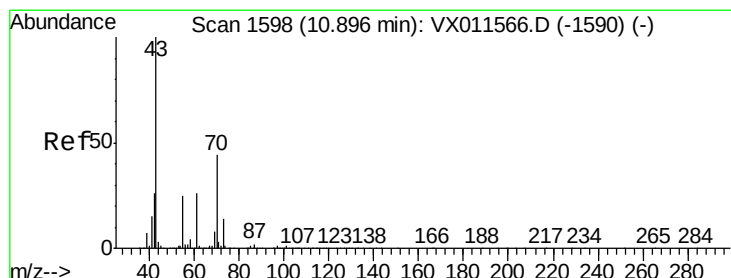
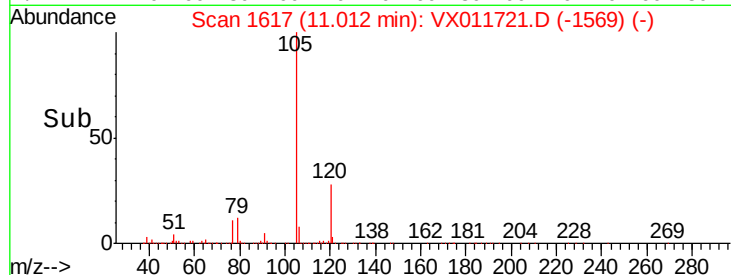
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 54.584 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion: 43 Resp: 299735

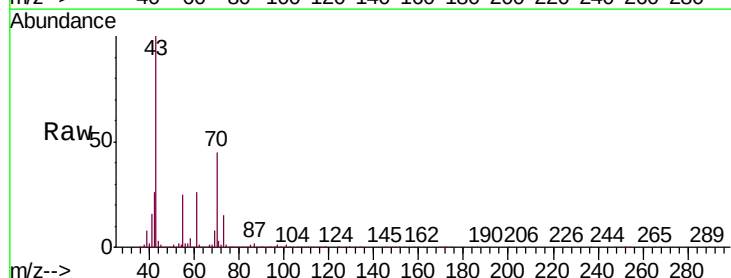
Ion Ratio Lower Upper

43 100

70 43.1 34.7 52.1

55 24.7 19.6 29.4

61 25.0 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

10.90

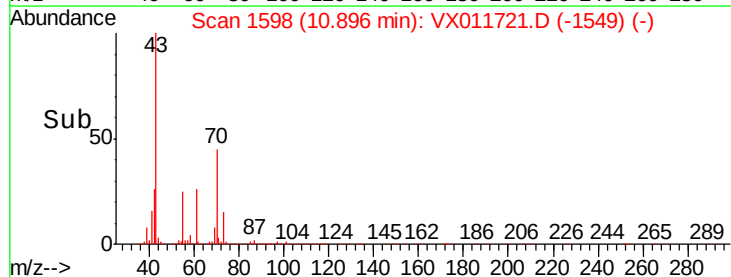
300000

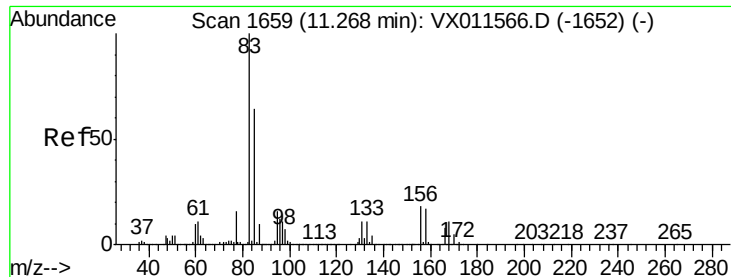
200000

100000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 55.036 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

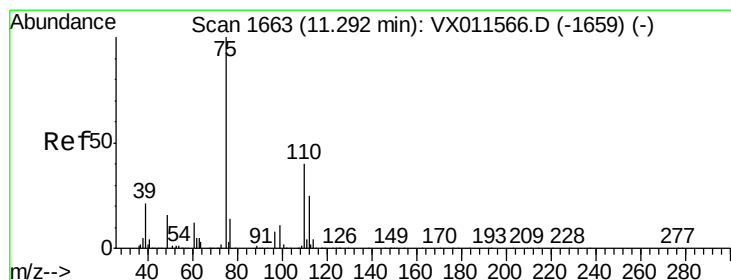
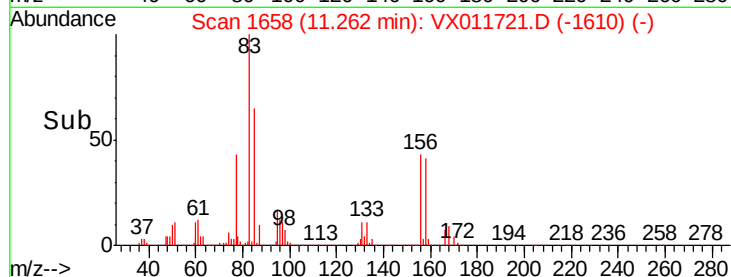
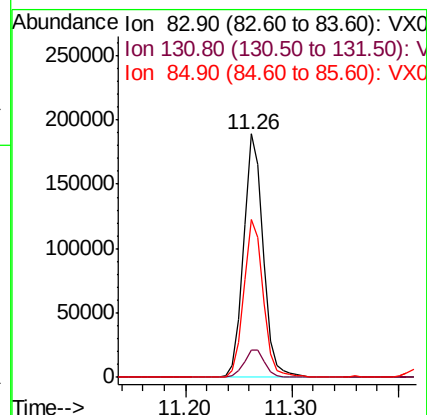
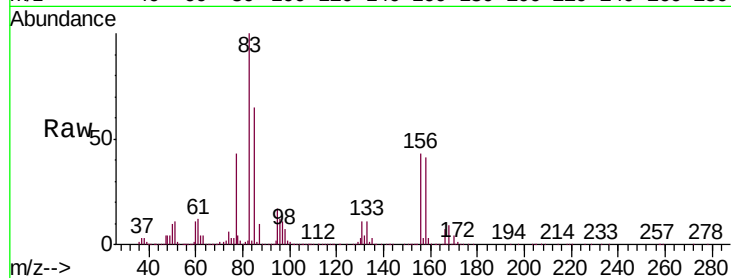
Tot Ion: 83 Resp: 244642

Ion Ratio Lower Upper

83 100

131 12.0 5.8 17.3

85 64.4 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 73.687 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011721.D

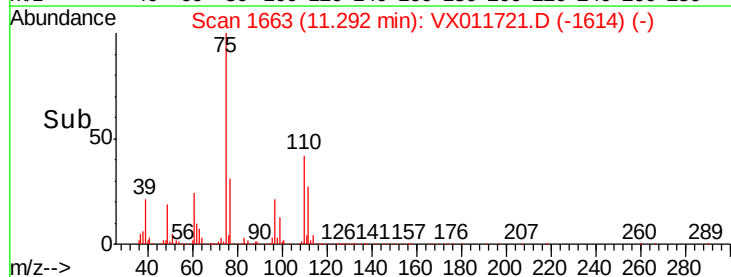
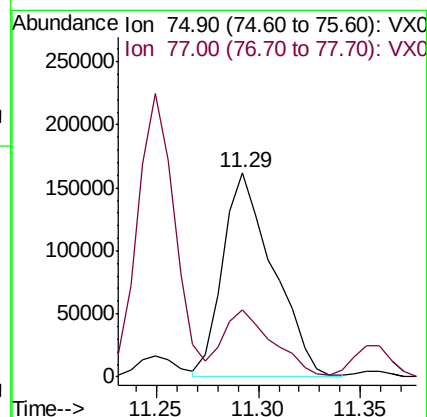
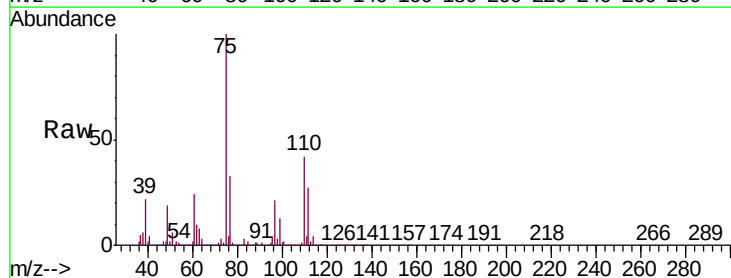
Acq: 21 Aug 2019 08:56

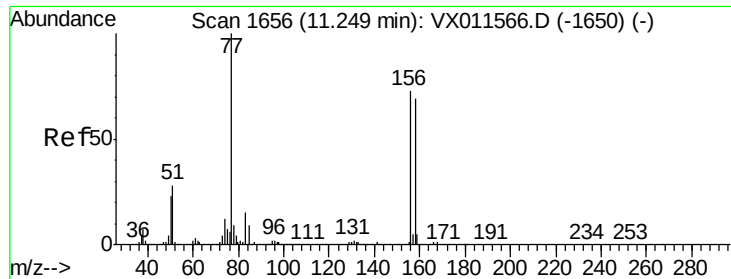
Tgt Ion: 75 Resp: 278247

Ion Ratio Lower Upper

75 100

77 32.0 20.9 62.8





#77

Bromobenzene

Concen: 56.982 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

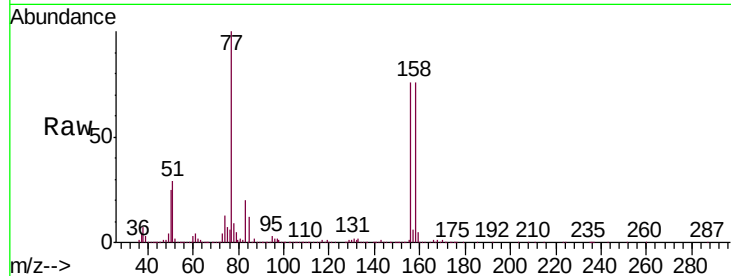
Tot Ion:156 Resp: 219062

Ion Ratio Lower Upper

156 100

77 129.8 64.6 193.9

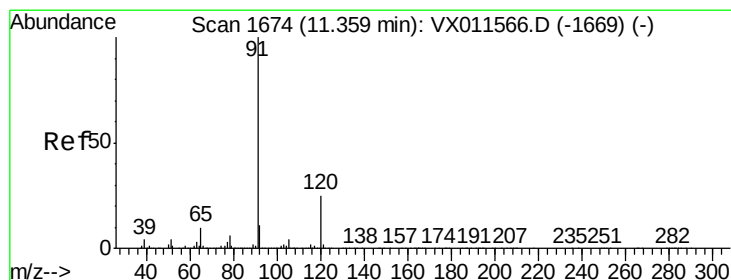
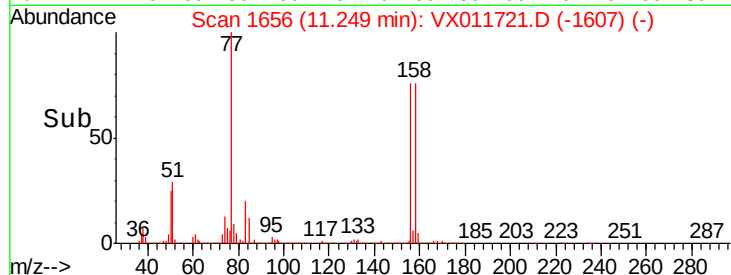
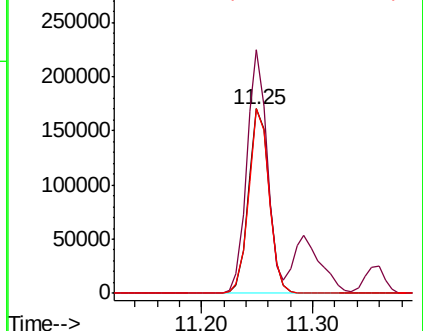
158 98.5 48.4 145.3



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: 61.160 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

Lab File: VX011721.D

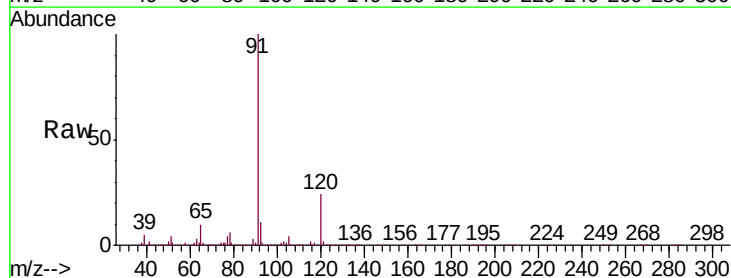
Acq: 21 Aug 2019 08:56

Tgt Ion: 91 Resp: 852164

Ion Ratio Lower Upper

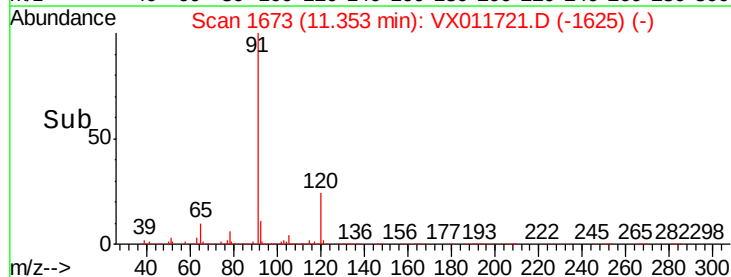
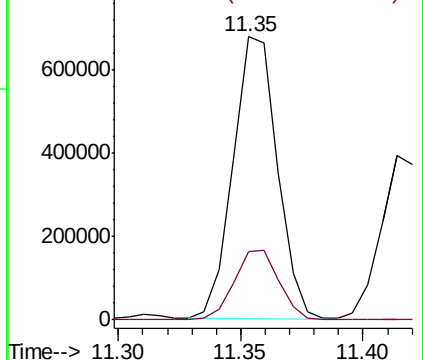
91 100

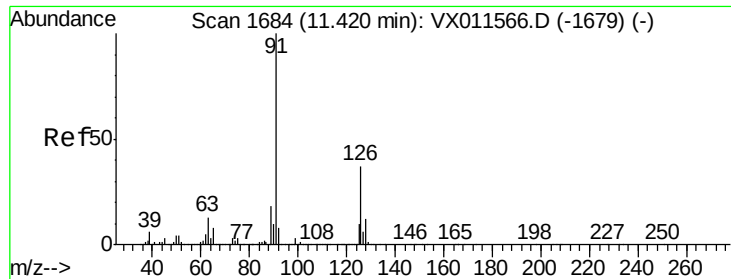
120 25.0 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 59.188 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

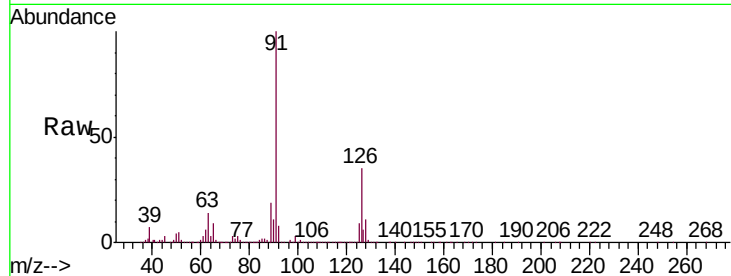
VSTDCCC050

Tot Ion: 91 Resp: 506406

Ion Ratio Lower Upper

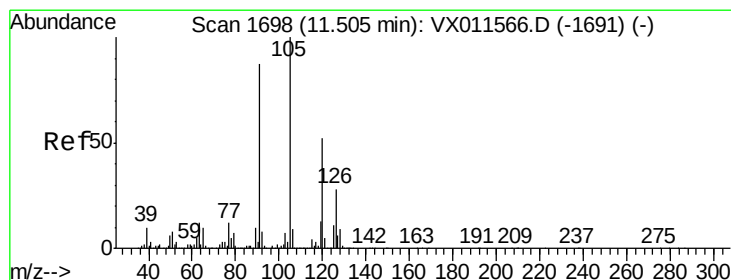
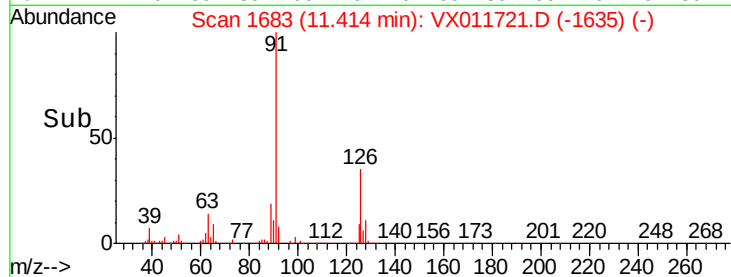
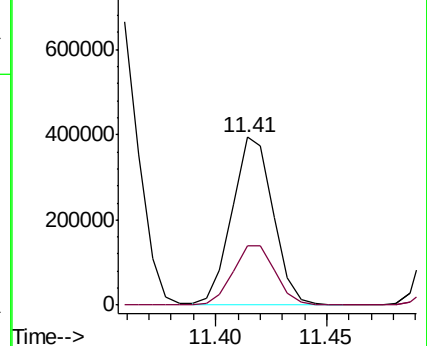
91 100

126 36.6 18.4 55.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 60.303 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VX011721.D

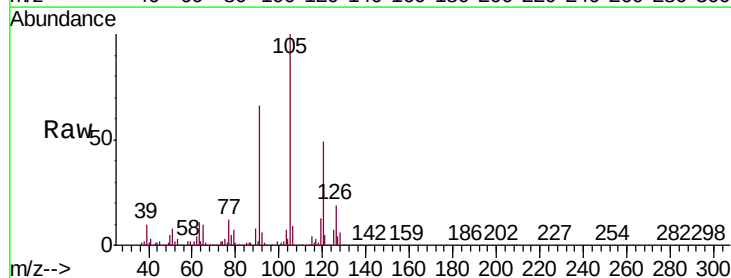
Acq: 21 Aug 2019 08:56

Tgt Ion:105 Resp: 654571

Ion Ratio Lower Upper

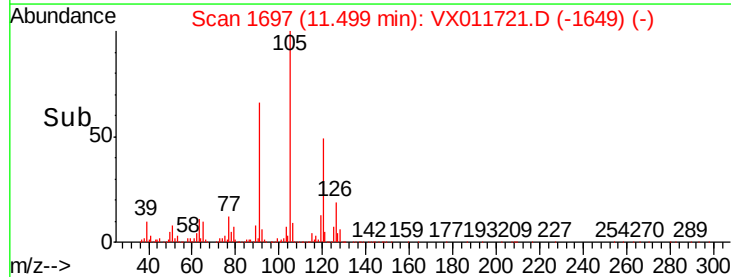
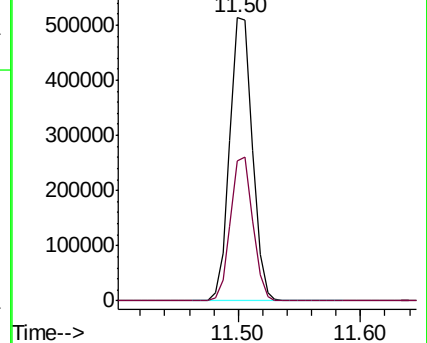
105 100

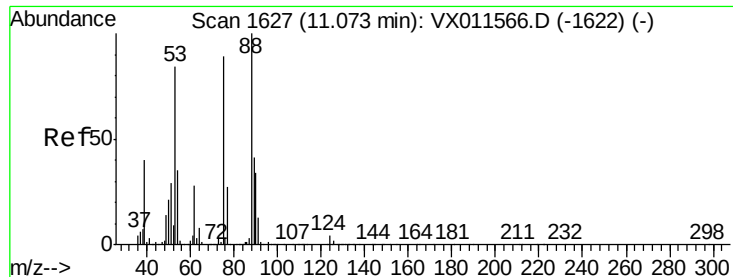
120 50.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.707 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

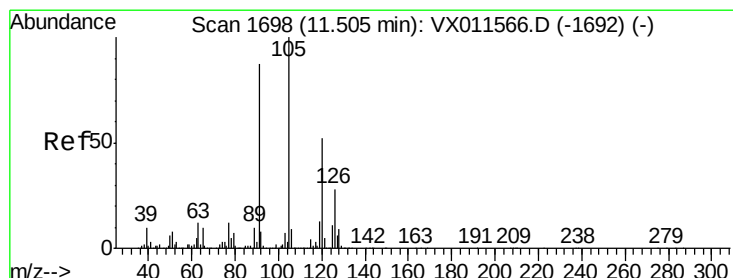
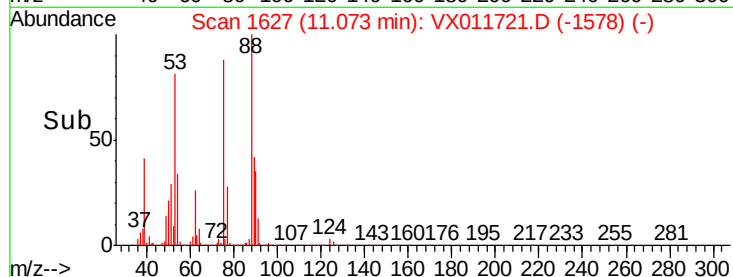
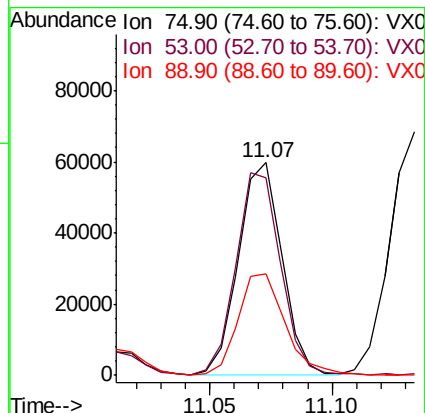
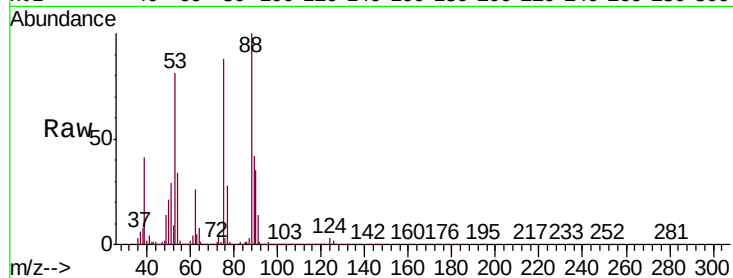
Tot Ion: 75 Resp: 73842

Ion Ratio Lower Upper

75 100

53 97.7 77.4 116.0

89 52.4 37.3 55.9



#82

4-Chlorotoluene

Concen: 59.860 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011721.D

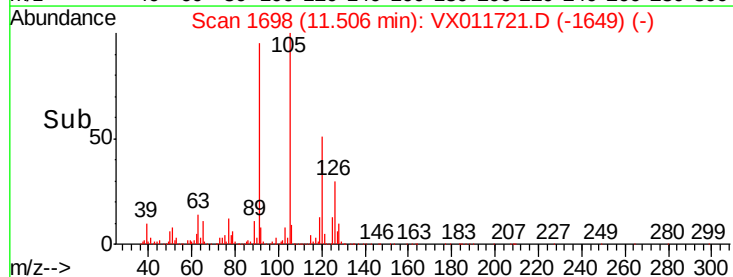
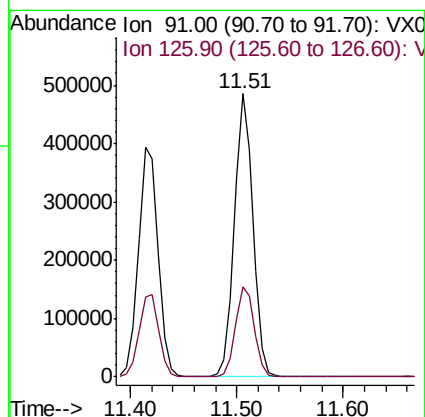
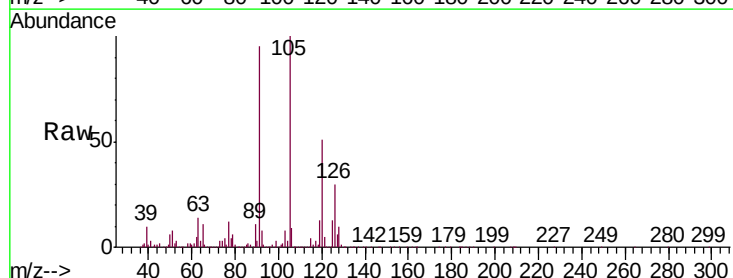
Acq: 21 Aug 2019 08:56

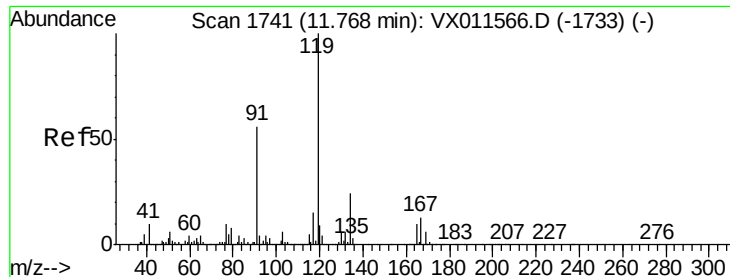
Tgt Ion: 91 Resp: 594177

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1

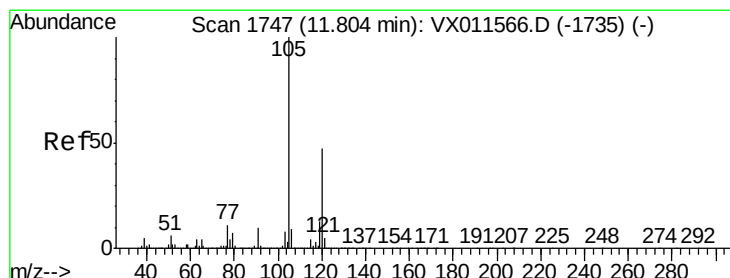
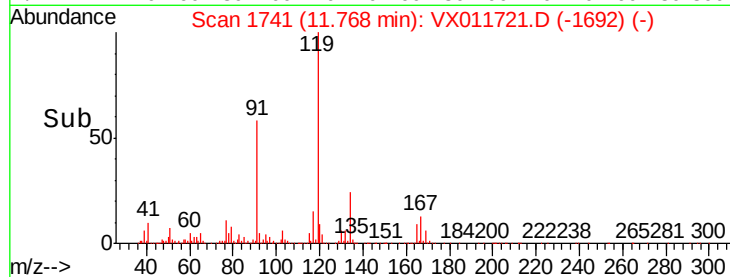
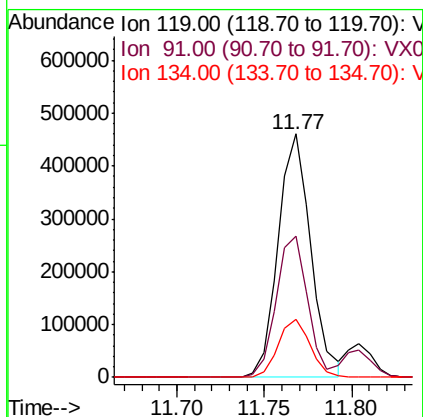
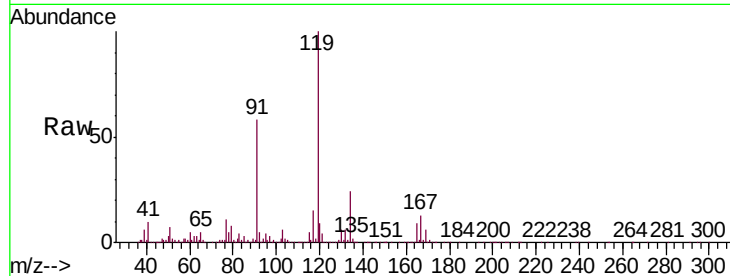




#83
 tert-Butylbenzene
 Concen: 54.106 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

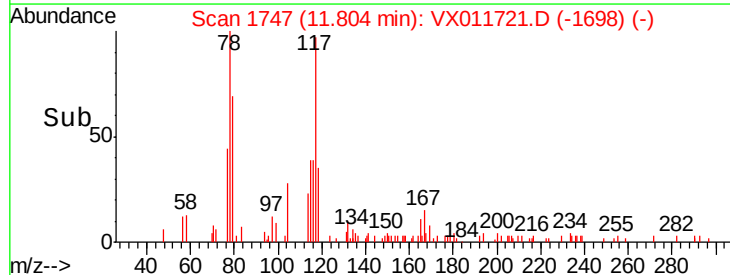
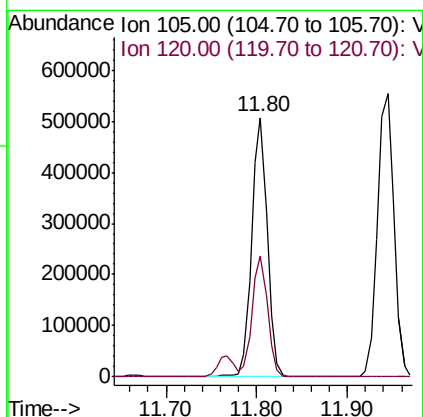
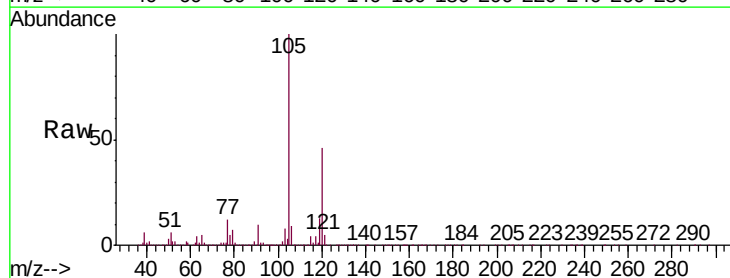
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

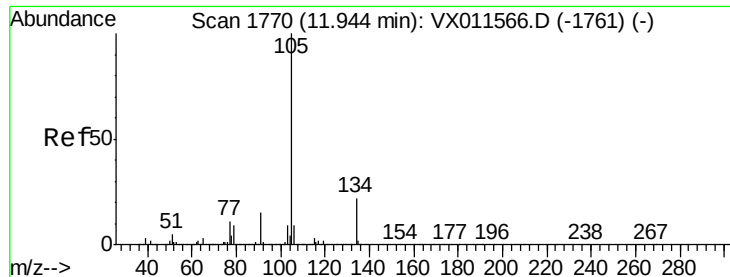
Tot Ion	Ratio	Lower	Upper
119	100		
91	56.1	27.1	81.3
134	23.4	11.8	35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 55.226 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.3	69.9





#85

sec-Butylbenzene

Concen: 56.049 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

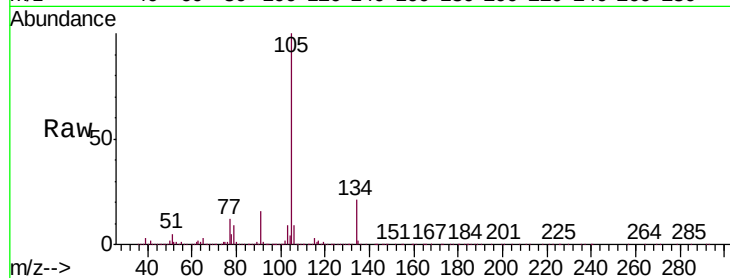
VSTDCCC050

Tot Ion:105 Resp: 699092

Ion Ratio Lower Upper

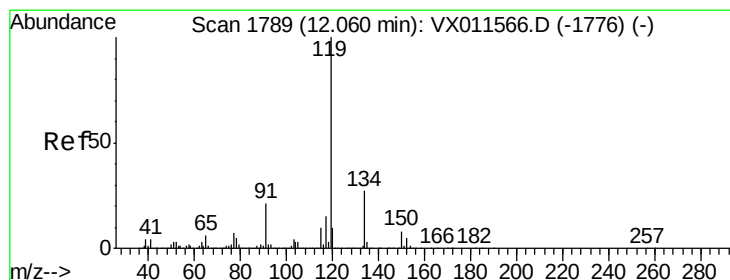
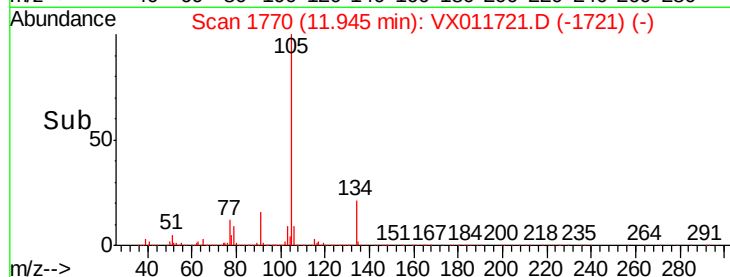
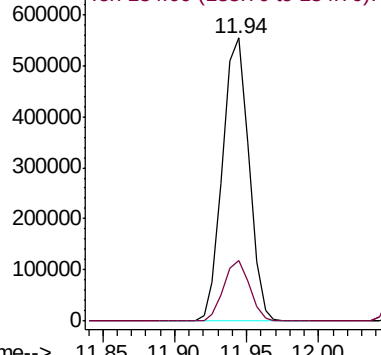
105 100

134 21.1 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.468 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

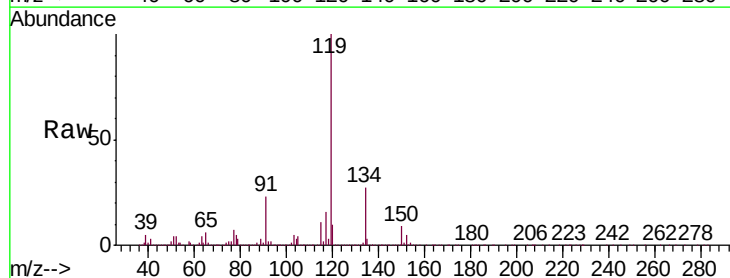
Tgt Ion:119 Resp: 662606

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

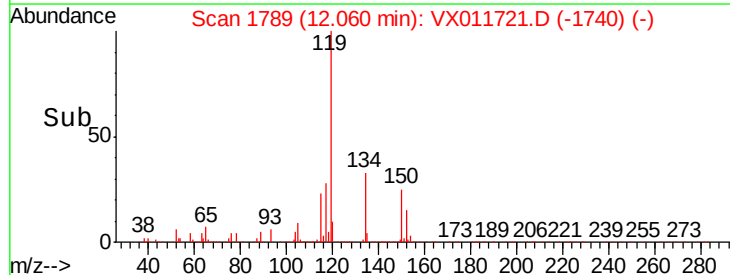
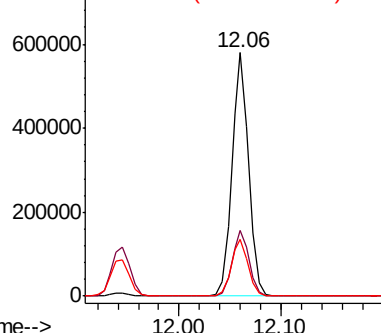
91 23.6 10.9 32.9

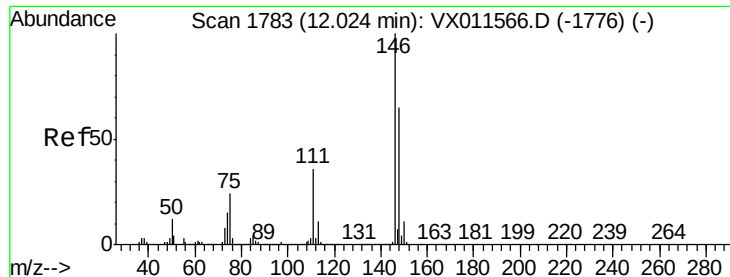


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

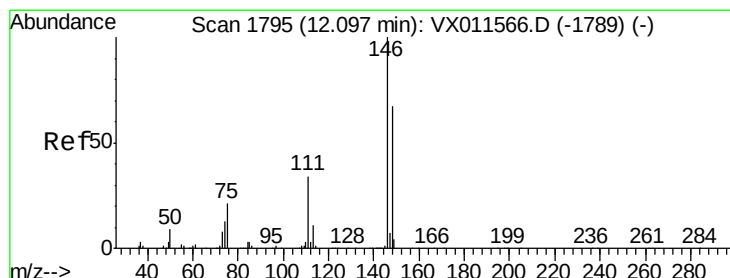
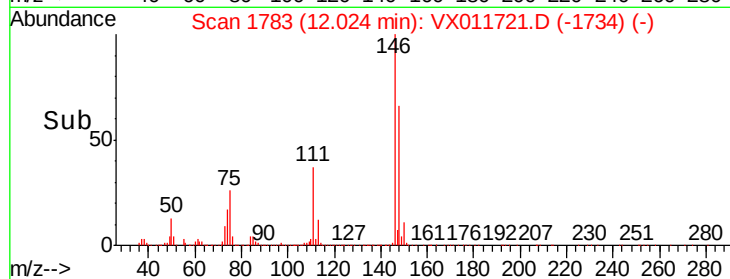
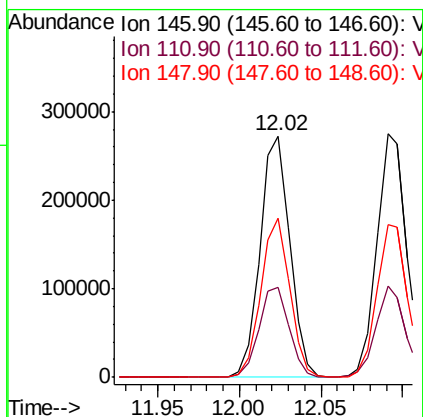
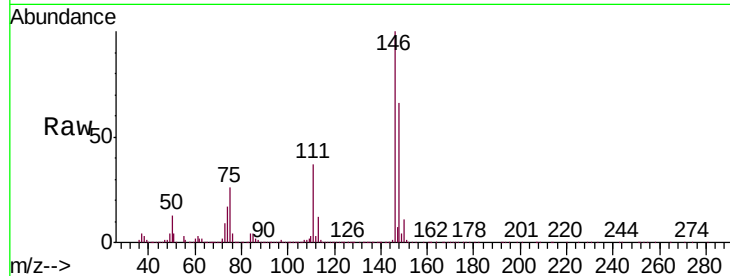




#87
 1,3-Dichlorobenzene
 Concen: 52.210 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

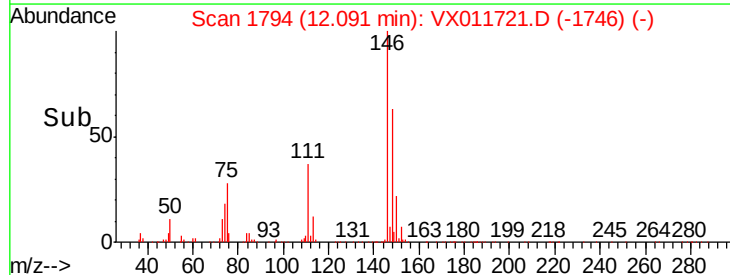
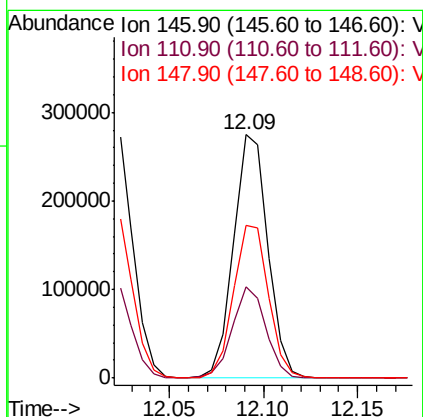
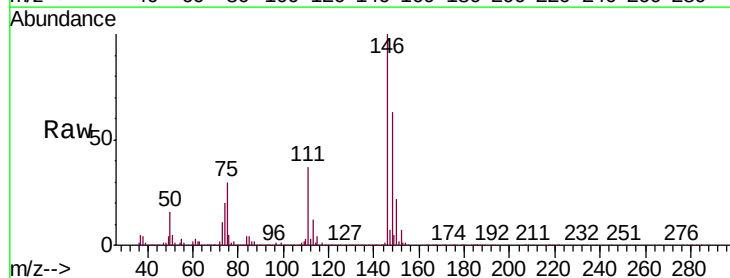
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

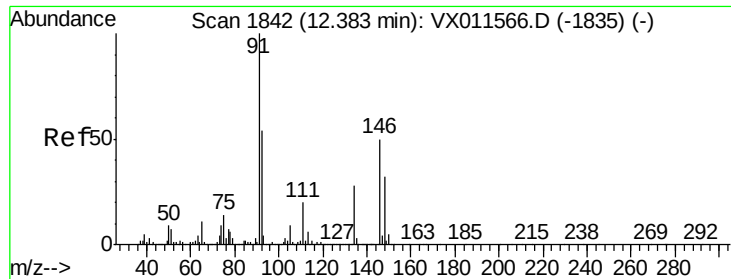
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.4
148	64.3	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 51.686 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	17.9	53.7
148	64.3	32.5	97.5

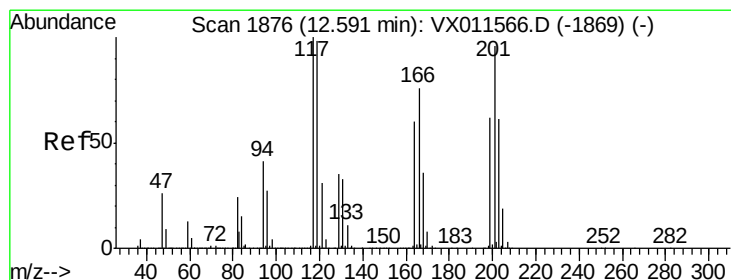
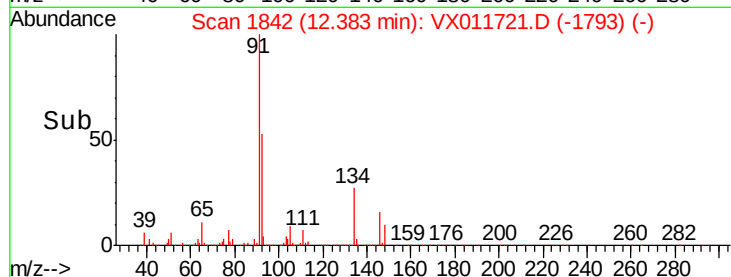
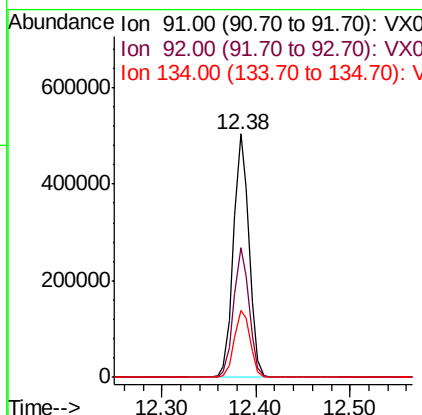
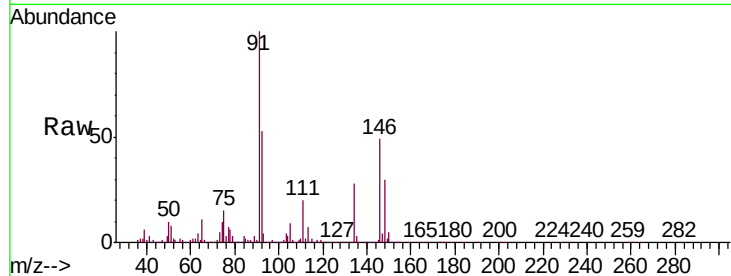




#89
n-Butylbenzene
Concen: 59.564 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

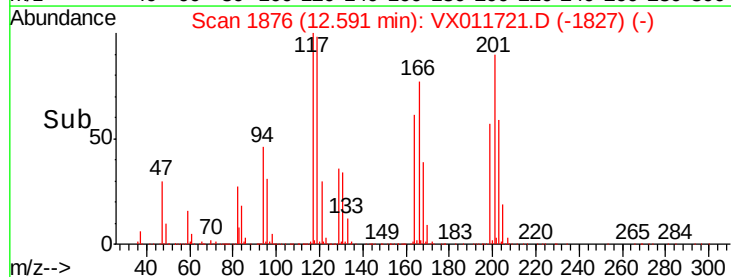
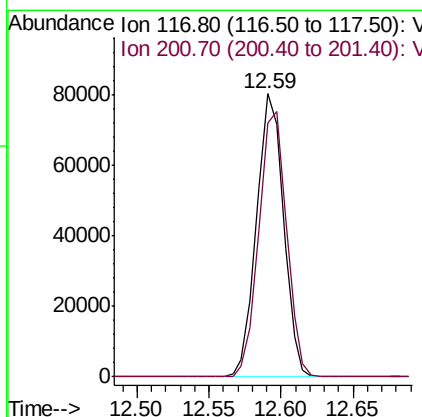
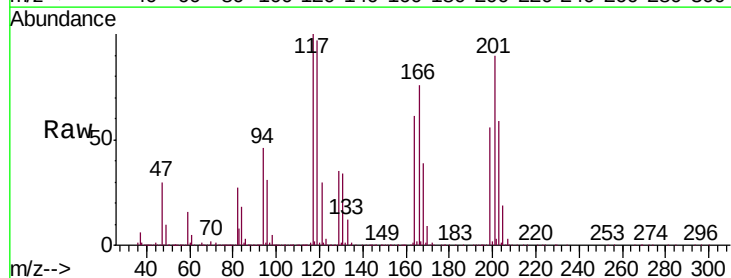
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

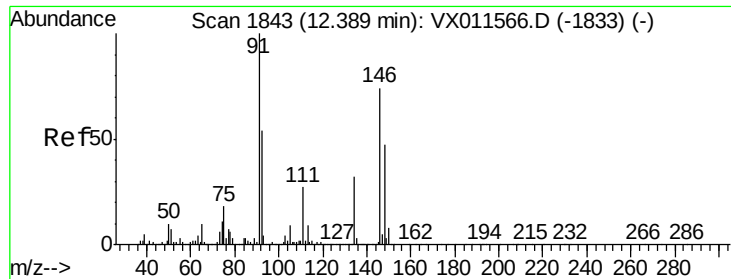
Tot Ion: 91 Resp: 574616
Ion Ratio Lower Upper
91 100
92 52.9 26.8 80.3
134 28.1 14.6 44.0



#90
Hexachloroethane
Concen: 55.866 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion: 117 Resp: 103519
Ion Ratio Lower Upper
117 100
201 96.5 51.9 155.7

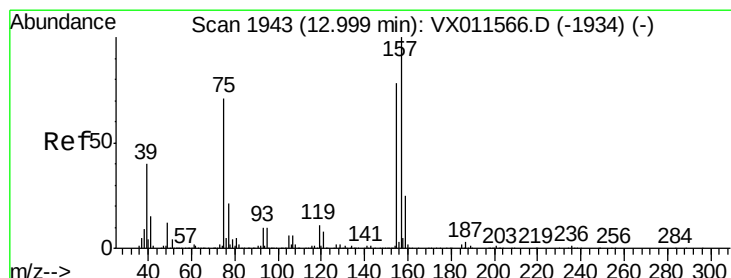
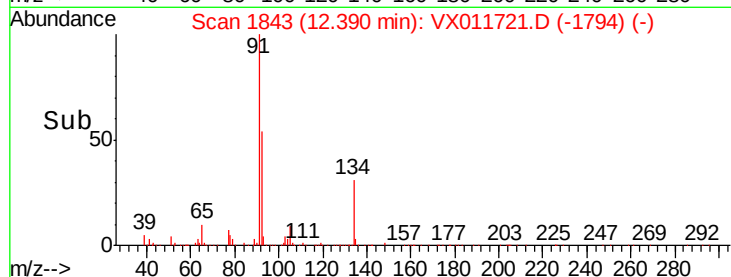
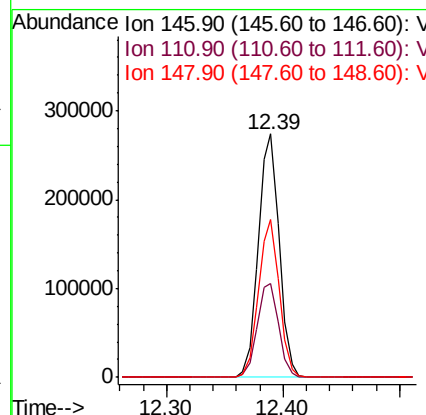
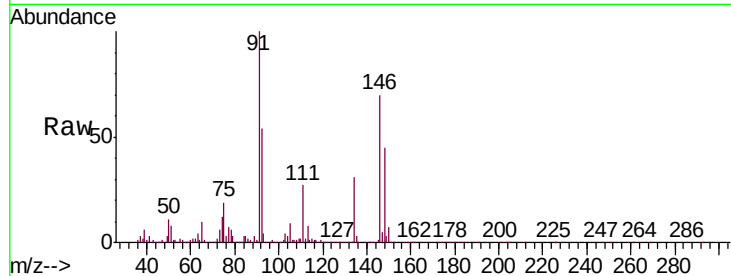




#91
 1,2-Dichlorobenzene
 Concen: 51.614 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

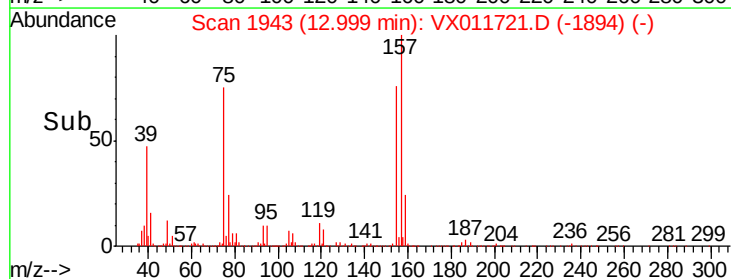
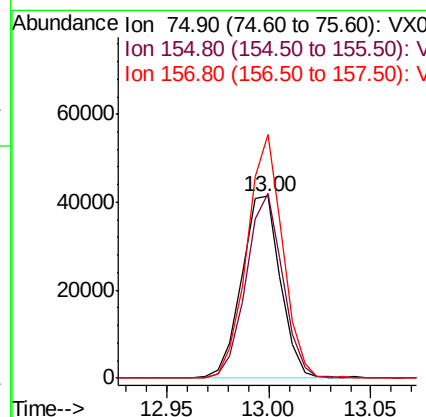
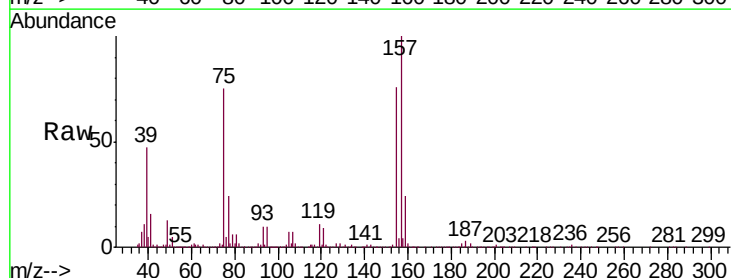
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

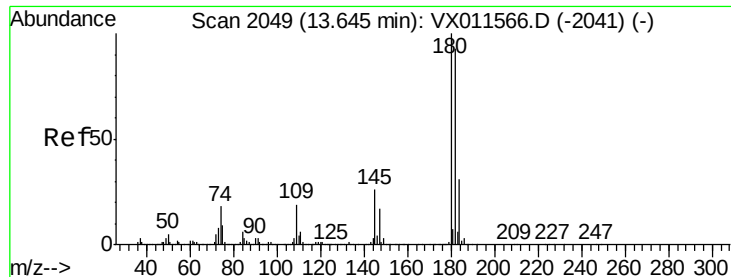
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.9	56.7
148	64.4	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.252 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	53.0	159.0
157	123.7	68.3	205.1

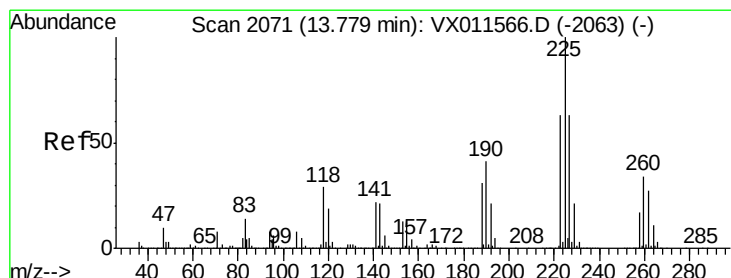
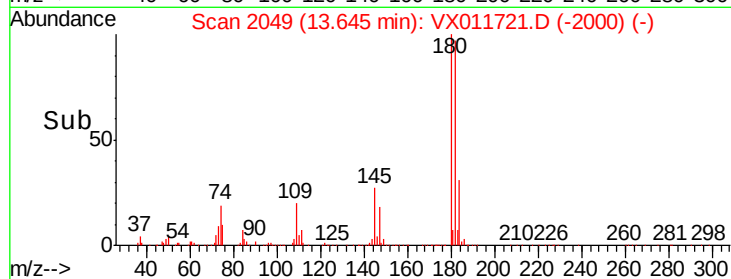
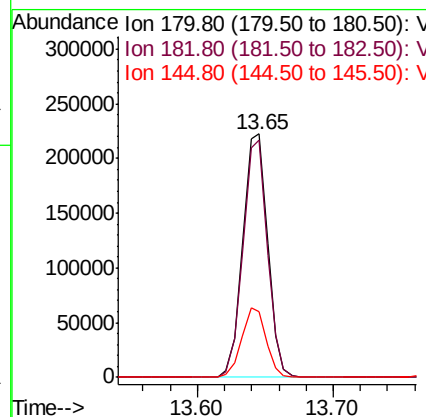
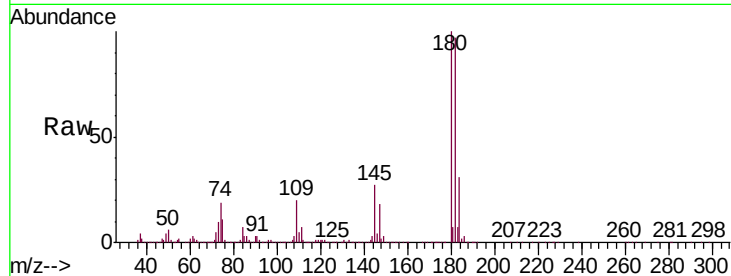




#93
 1,2,4-Trichlorobenzene
 Concen: 57.227 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

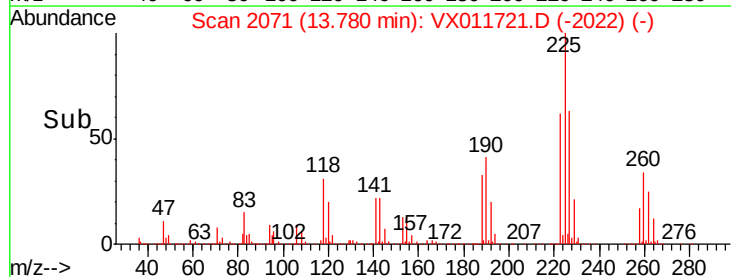
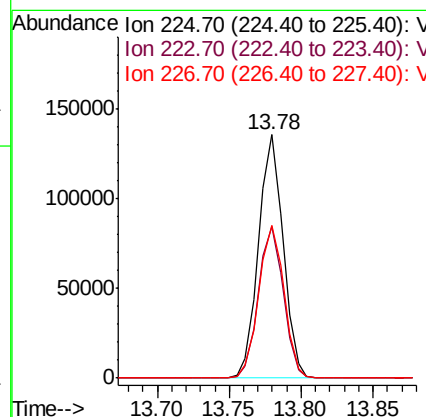
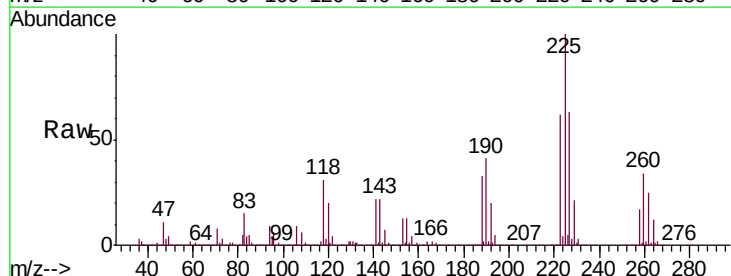
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

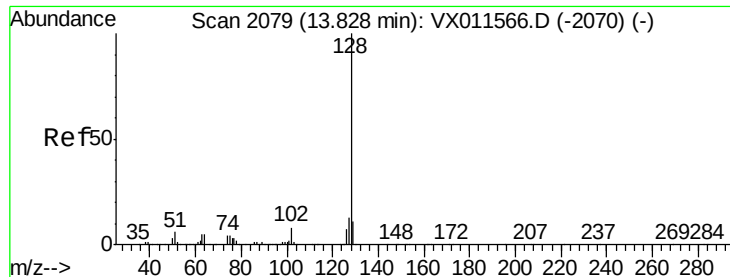
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	28.1	13.6	40.8



#94
 Hexachlorobutadiene
 Concen: 59.085 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.0
227	64.3	31.2	93.6





#95

Naphthalene

Concen: 58.751 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

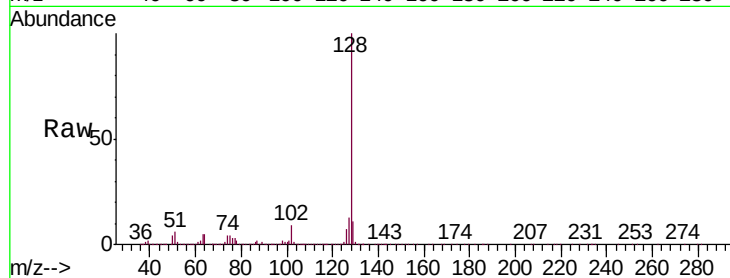
Tot Ion:128 Resp: 820907

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

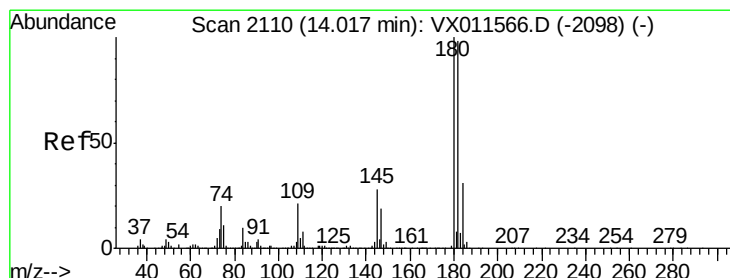
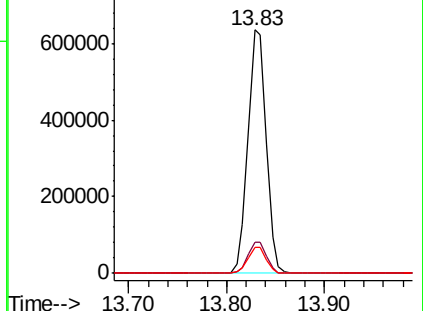
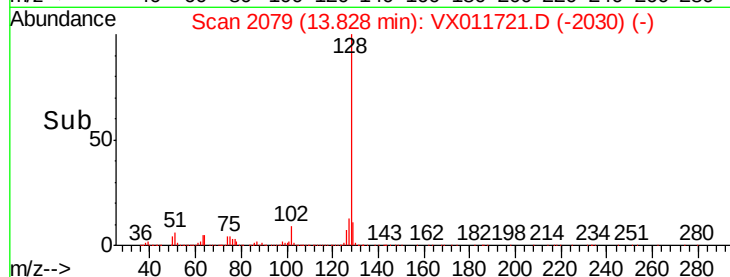
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 58.519 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

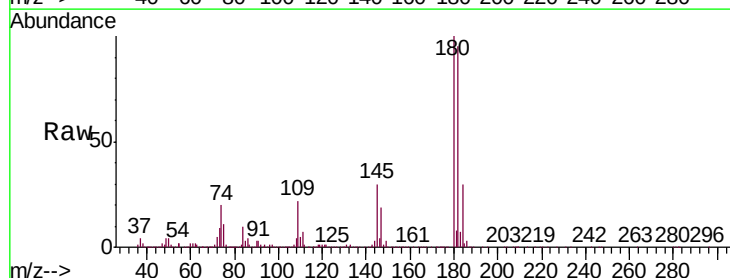
Tgt Ion:180 Resp: 291723

Ion Ratio Lower Upper

180 100

182 95.1 48.0 144.0

145 30.1 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

