

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012819\
 Data File : VX007274.D
 Acq On : 28 Jan 2019 21:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 29 00:22:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	463973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	691356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	629168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	326193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	241664	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	5.51	113	221131	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	8.71	98	813474	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.13	95	290757	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	158189	41.518	ug/l	100
3) Chloromethane	1.33	50	238492	53.769	ug/l	100
4) Vinyl Chloride	1.41	62	206638	43.309	ug/l	98
5) Bromomethane	1.64	94	176947	34.712	ug/l	97
6) Chloroethane	1.71	64	142376	42.736	ug/l	99
7) Trichlorofluoromethane	1.93	101	350129	45.417	ug/l	99
8) Diethyl Ether	2.19	74	140293	45.742	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	210313	45.567	ug/l	99
10) Methyl Iodide	2.51	142	247738	39.792	ug/l	99
11) Tert butyl alcohol	3.08	59	266172	232.703	ug/l	99
12) 1,1-Dichloroethene	2.37	96	189460	44.430	ug/l	96
13) Acrolein	2.30	56	134422	272.210	ug/l	99
14) Allyl chloride	2.73	41	341235	46.692	ug/l	99
15) Acrylonitrile	3.15	53	653036	248.699	ug/l	99
16) Acetone	2.45	43	561203	234.113	ug/l	98
17) Carbon Disulfide	2.57	76	398363	36.285	ug/l	99
18) Methyl Acetate	2.78	43	394008	56.757	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	723669	48.894	ug/l	99
20) Methylene Chloride	2.86	84	363633	80.095	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	201958	42.499	ug/l	96
22) Diisopropyl ether	3.87	45	670971	48.836	ug/l	95
23) Vinyl Acetate	3.82	43	2748952	237.253	ug/l	99
24) 1,1-Dichloroethane	3.70	63	364078	47.391	ug/l	99
25) 2-Butanone	4.70	43	828656	241.593	ug/l	100
26) 2,2-Dichloropropane	4.59	77	247243	41.852	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	236117	45.046	ug/l	98
28) Bromochloromethane	5.01	49	165163	49.069	ug/l	94
29) Tetrahydrofuran	5.15	42	540151	242.323	ug/l	97
30) Chloroform	5.21	83	391306	48.649	ug/l	99
31) Cyclohexane	5.57	56	293010	42.852	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	332452	48.762	ug/l	98
36) 1,1-Dichloropropene	5.80	75	263734	43.877	ug/l	99
37) Ethyl Acetate	4.86	43	315221	48.916	ug/l	97
38) Carbon Tetrachloride	5.78	117	282879	46.776	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	324078	42.292	ug/l	95
40) Benzene	6.14	78	849986	46.344	ug/l	98
41) Methacrylonitrile	5.06	41	174419	46.984	ug/l	98
42) 1,2-Dichloroethane	6.20	62	298324	47.070	ug/l	99
43) Isopropyl Acetate	6.46	43	504572	49.640	ug/l	98
44) Trichloroethene	7.21	130	245503	44.670	ug/l	98
45) 1,2-Dichloropropane	7.51	63	222685	48.295	ug/l	98
46) Dibromomethane	7.66	93	157581	48.628	ug/l	98
47) Bromodichloromethane	7.90	83	284668	51.608	ug/l	95
48) Methyl methacrylate	7.77	41	260413	49.888	ug/l	98
49) 1,4-Dioxane	7.75	88	109700	919.552	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1665464	254.953	ug/l	98
52) Toluene	8.79	92	551765	46.807	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	308846	50.495	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	338174	50.066	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	248035	52.568	ug/l	98
56) Ethyl methacrylate	9.18	69	351279	50.997	ug/l	96
57) 1,3-Dichloropropane	9.37	76	384616	49.756	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	934006	263.723	ug/l	99
59) 2-Hexanone	9.49	43	1252063	251.515	ug/l	99
60) Dibromochloromethane	9.58	129	250792	54.738	ug/l	99
61) 1,2-Dibromoethane	9.67	107	257587	49.589	ug/l	100
64) Tetrachloroethene	9.34	164	234804	43.106	ug/l	97
65) Chlorobenzene	10.14	112	646930	47.144	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	242087	52.442	ug/l	98
67) Ethyl Benzene	10.25	91	1054943	46.567	ug/l	98
68) m/p-Xylenes	10.36	106	835961	93.661	ug/l	99
69) o-Xylene	10.69	106	409866	47.087	ug/l	97
70) Styrene	10.71	104	670644	48.646	ug/l	99
71) Bromoform	10.86	173	188012	45.947	ug/l #	98
73) Isopropylbenzene	11.02	105	1096267	47.661	ug/l	99
74) N-amyl acetate	10.90	43	454754	49.105	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	356734	48.854	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	402174	60.842	ug/l	90
77) Bromobenzene	11.26	156	296221	46.740	ug/l	100
78) n-propylbenzene	11.36	91	1224357	48.489	ug/l	99
79) 2-Chlorotoluene	11.42	91	723087	47.572	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	891655	46.394	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	95389	44.038	ug/l	99
82) 4-Chlorotoluene	11.51	91	832508	47.305	ug/l	99
83) tert-Butylbenzene	11.77	119	928198	48.405	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	925181	47.871	ug/l	99
85) sec-Butylbenzene	11.94	105	1092656	47.713	ug/l	100
86) p-Isopropyltoluene	12.07	119	979725	47.829	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	527964	46.089	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	525795	48.449	ug/l	99
89) n-Butylbenzene	12.39	91	837333	47.952	ug/l	99
90) Hexachloroethane	12.60	117	156578	48.004	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	529515	46.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	76895	53.245	ug/l	97

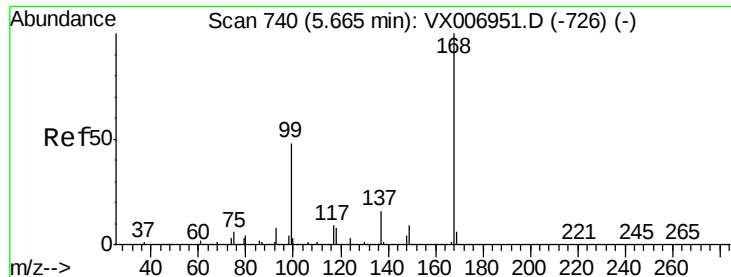
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	370661	47.791	ug/l	100
94) Hexachlorobutadiene	13.78	225	171418	49.805	ug/l	99
95) Naphthalene	13.83	128	1144792	48.711	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	373310	48.453	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

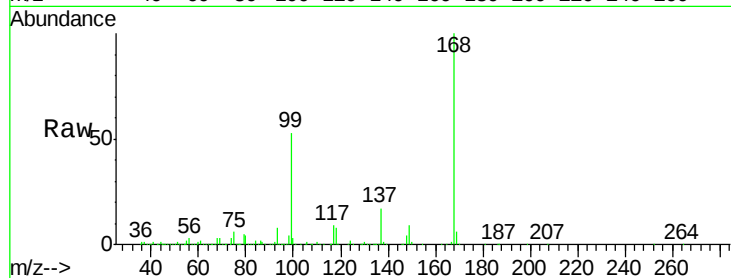
VSTDCCC050EC

Tot Ion:168 Resp: 463973

Ion Ratio Lower Upper

168 100

99 52.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

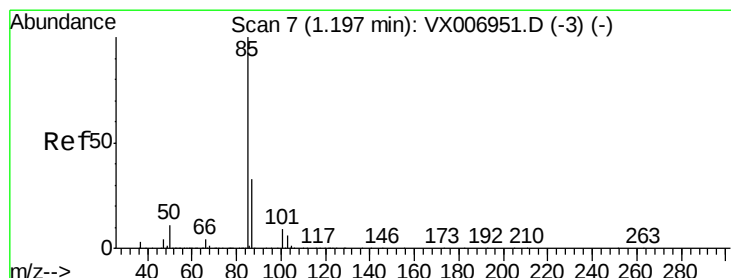
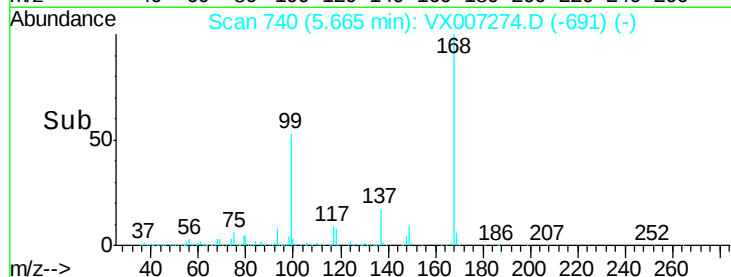
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 41.518 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007274.D

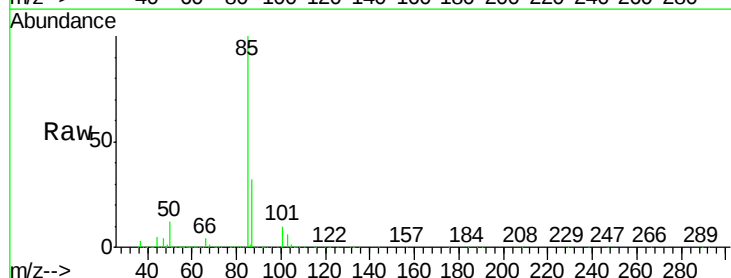
Acq: 28 Jan 2019 21:12

Tgt Ion: 85 Resp: 158189

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

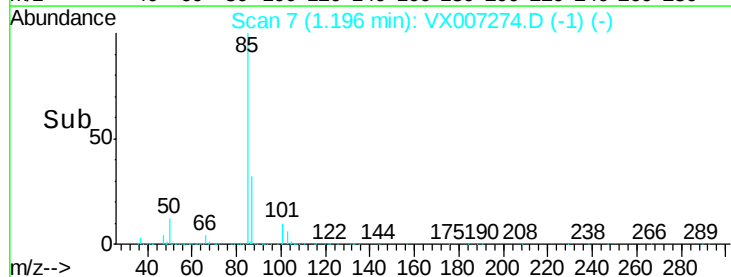
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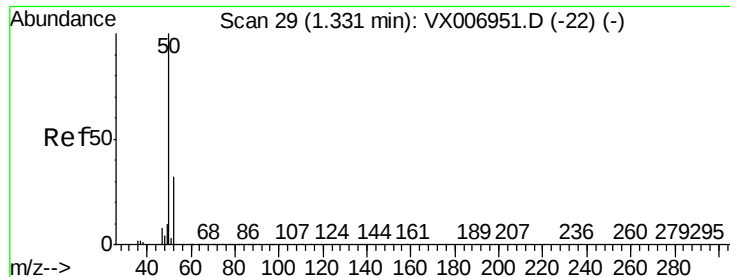
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Time-->

1.15 1.20 1.25 1.30

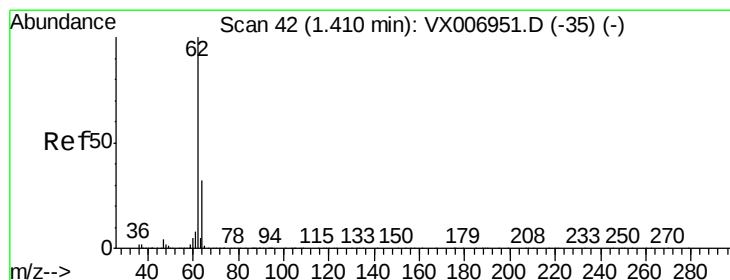
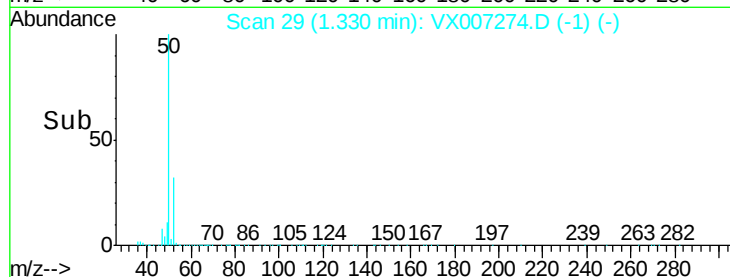
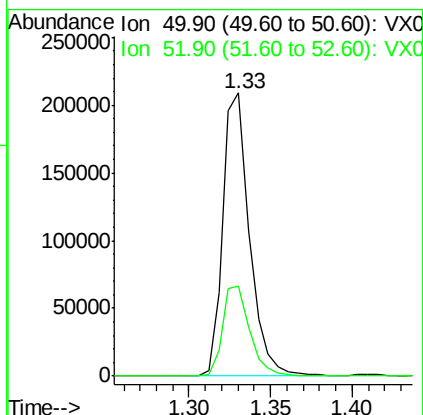
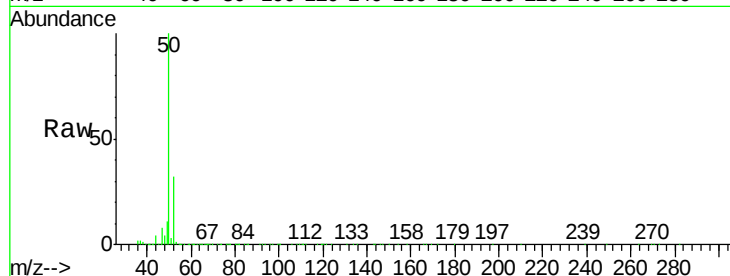




#3
Chloromethane
Concen: 53.769 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

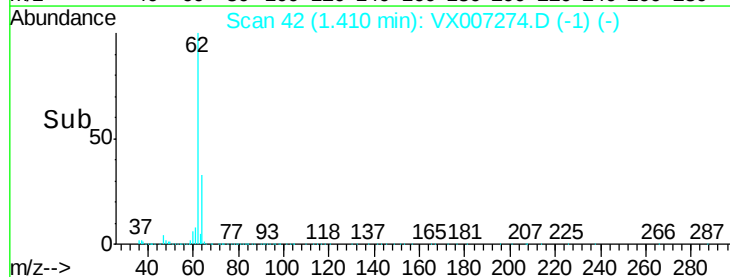
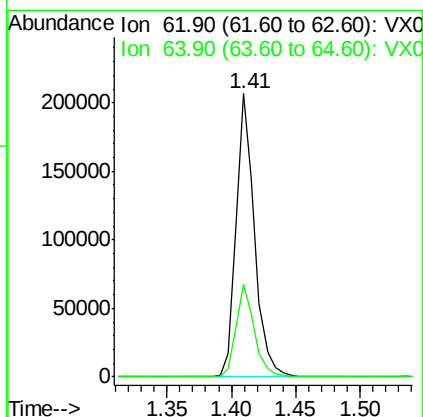
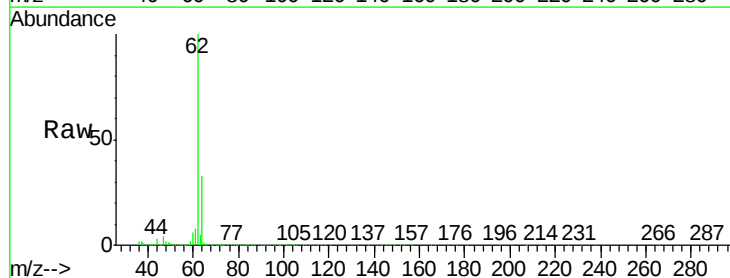
Instrument :
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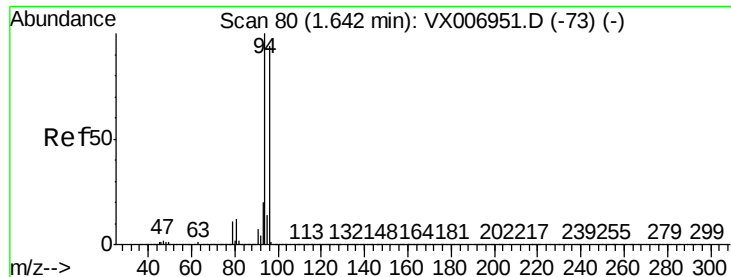
Tot Ion: 50 Resp: 238492
Ion Ratio Lower Upper
50 100
52 32.0 25.4 38.2



#4
Vinyl Chloride
Concen: 43.309 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 62 Resp: 206638
Ion Ratio Lower Upper
62 100
64 32.5 25.1 37.7





#5

Bromomethane

Concen: 34.712 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

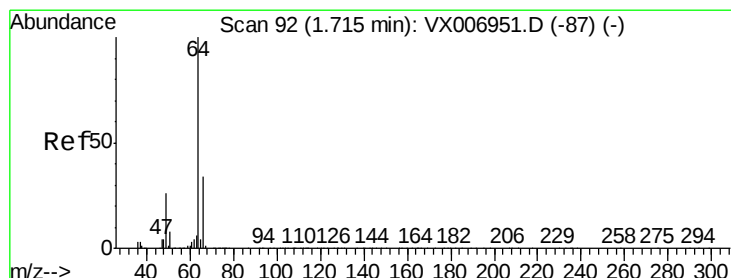
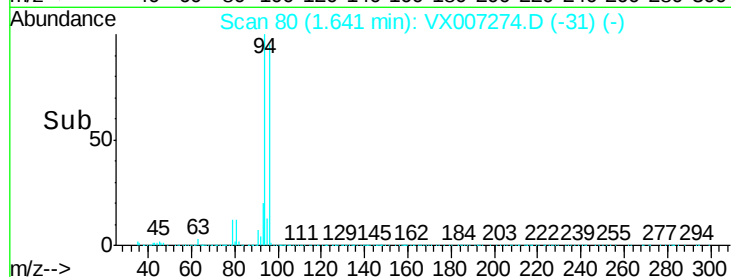
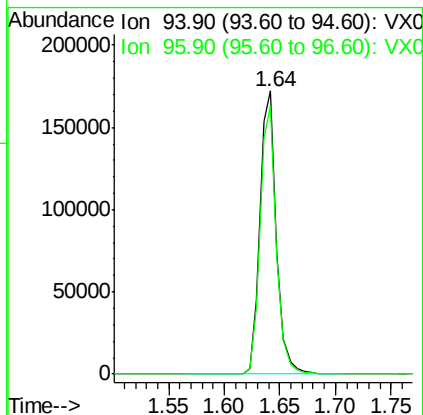
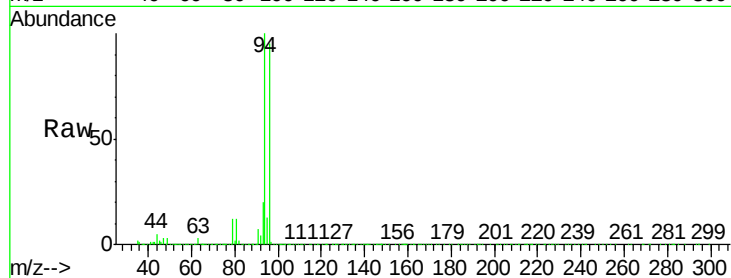
VSTDCCC050EC

Tot Ion: 94 Resp: 176947

Ion Ratio Lower Upper

94 100

96 94.8 73.4 110.2



#6

Chloroethane

Concen: 42.736 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007274.D

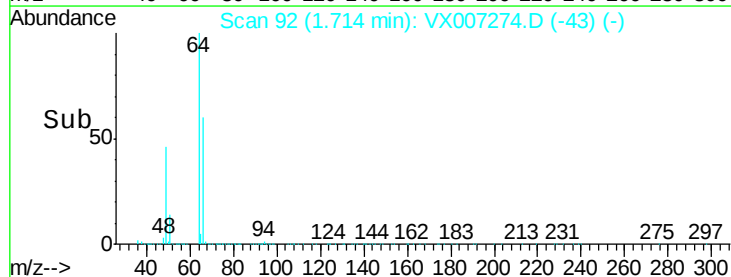
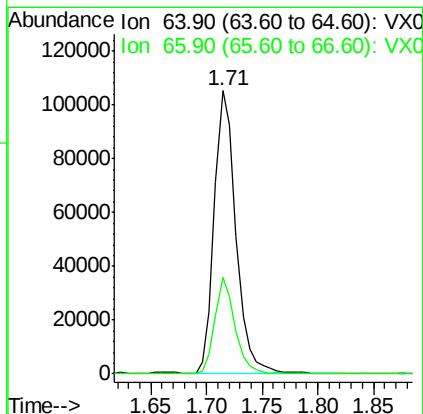
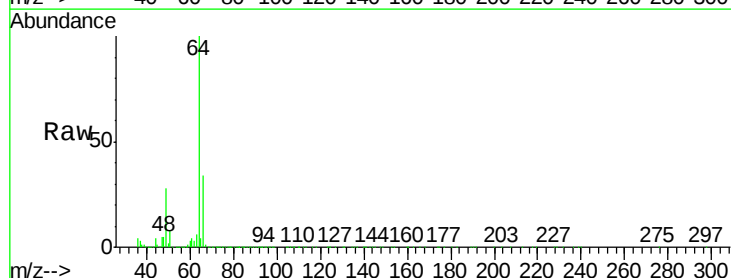
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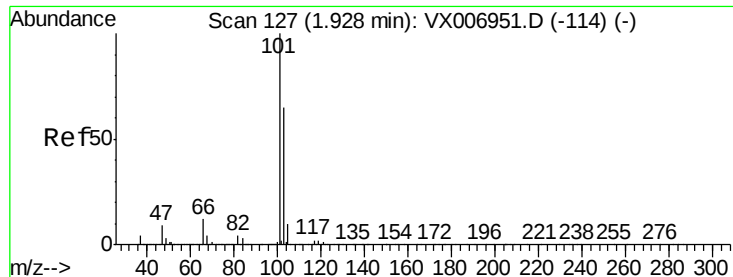
Tgt Ion: 64 Resp: 142376

Ion Ratio Lower Upper

64 100

66 33.8 26.4 39.6



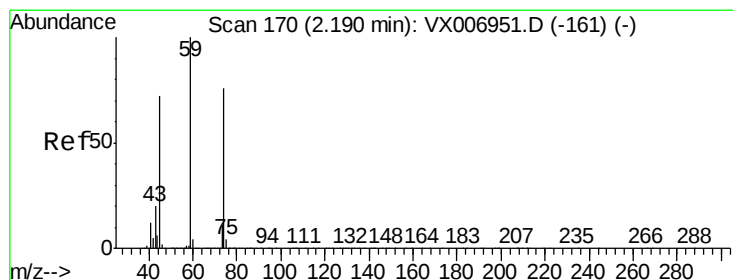
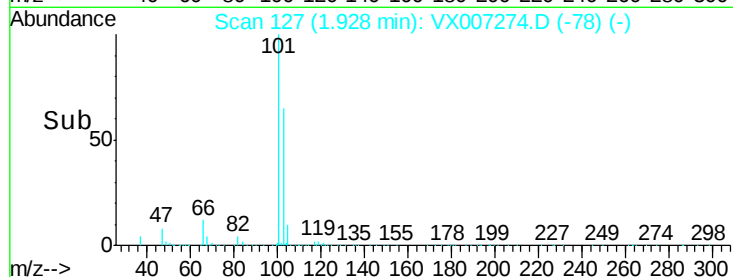
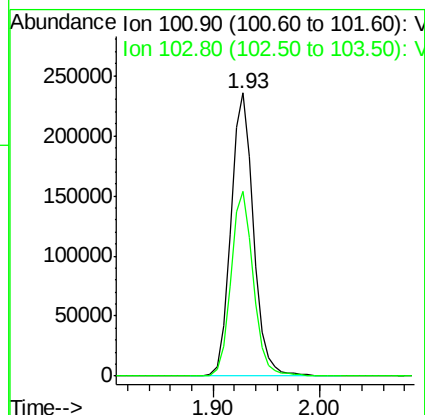
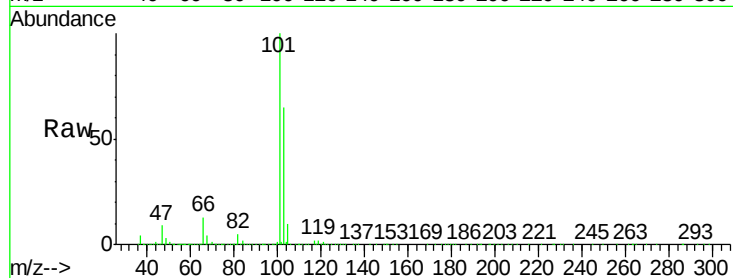


#7

Trichlorofluoromethane
Concen: 45.417 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007274.D
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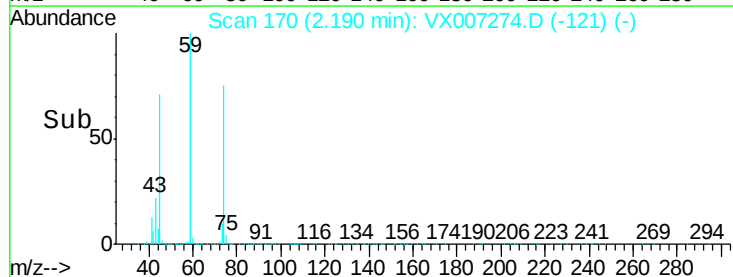
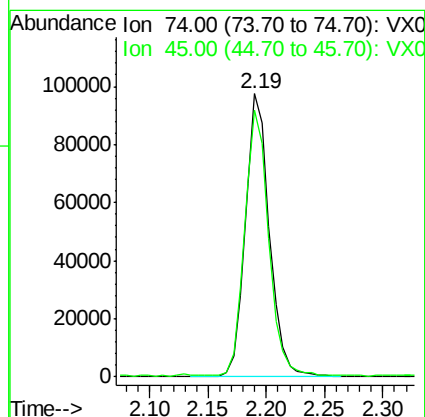
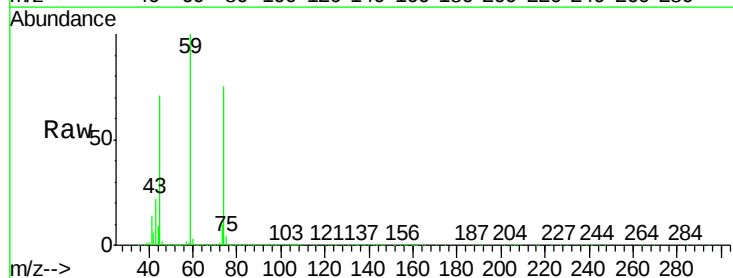
Tot Ion:101 Resp: 350129
Ion Ratio Lower Upper
101 100
103 65.4 53.2 79.8

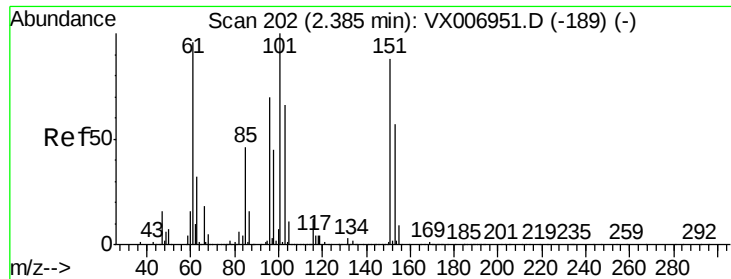


#8

Diethyl Ether
Concen: 45.742 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 74 Resp: 140293
Ion Ratio Lower Upper
74 100
45 94.2 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.567 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

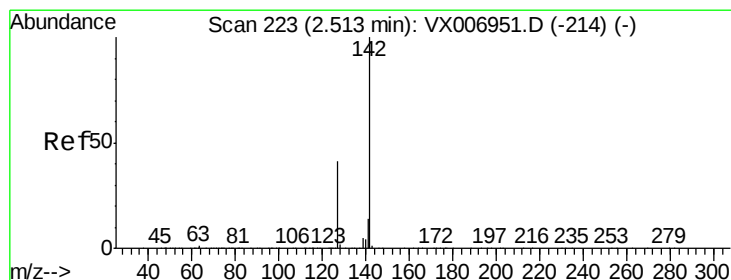
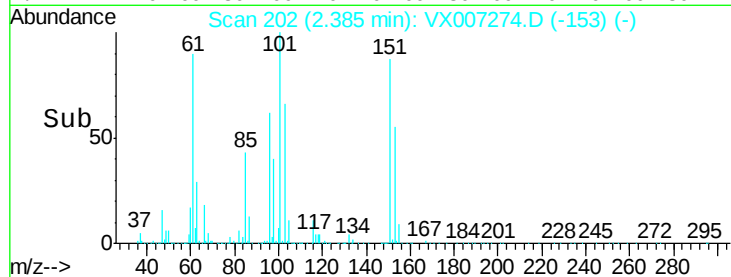
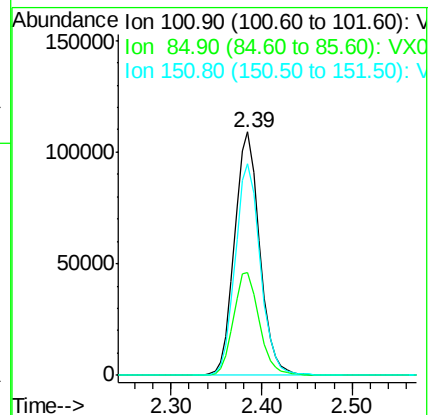
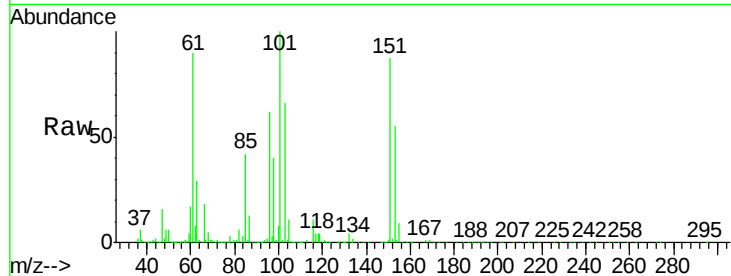
Tot Ion:101 Resp: 210313

Ion Ratio Lower Upper

101 100

85 43.4 35.1 52.7

151 86.7 68.9 103.3



#10

Methyl Iodide

Concen: 39.792 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

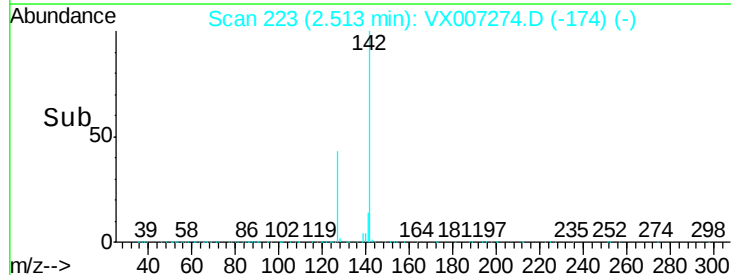
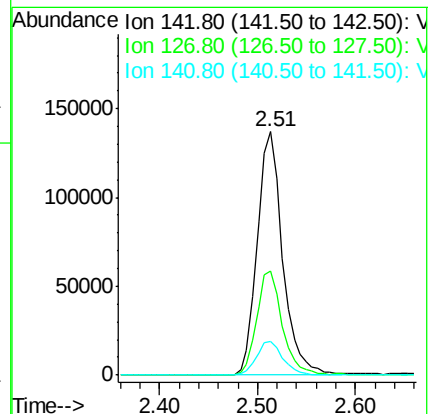
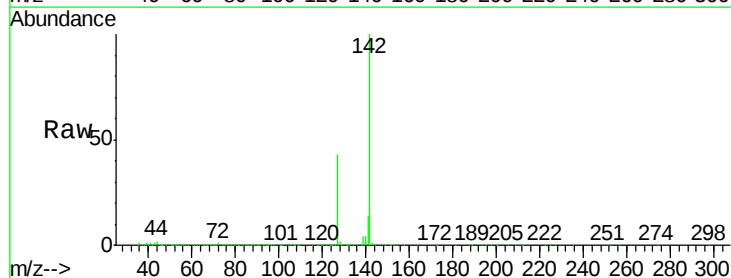
Tgt Ion:142 Resp: 247738

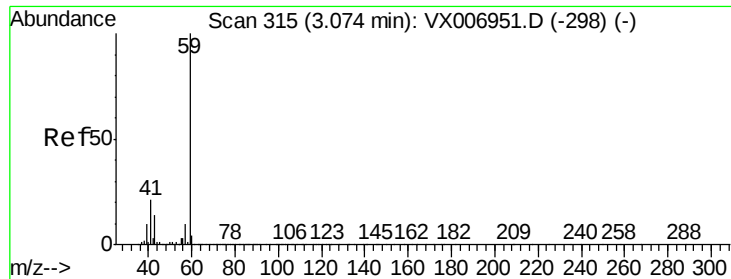
Ion Ratio Lower Upper

142 100

127 43.3 33.9 50.9

141 14.5 11.4 17.0

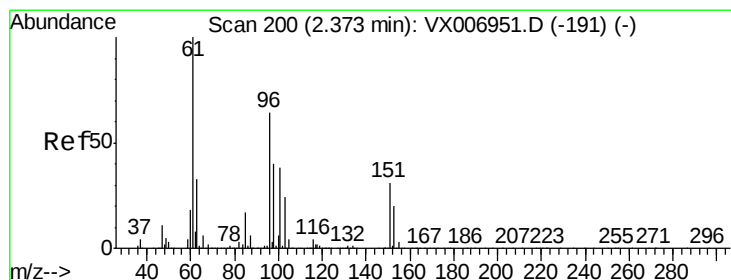
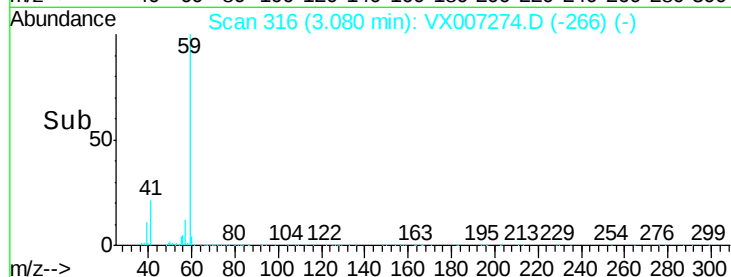
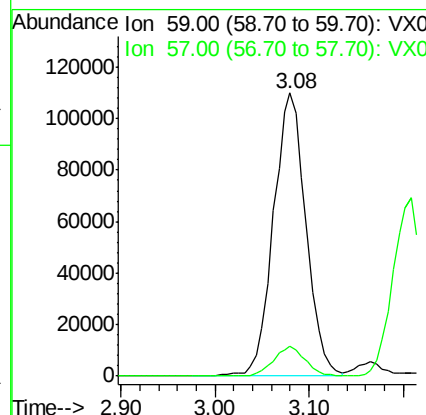
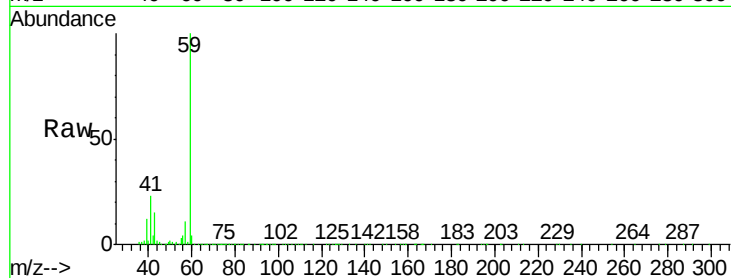




#11
Tert butyl alcohol
Concen: 232.703 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

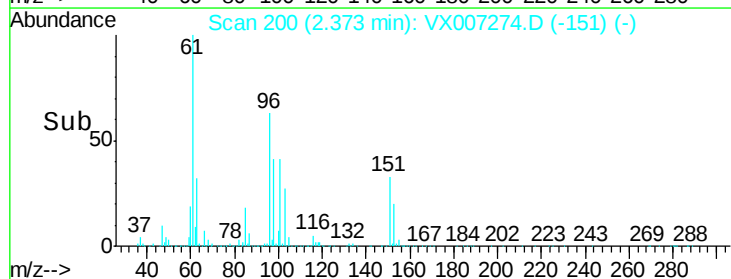
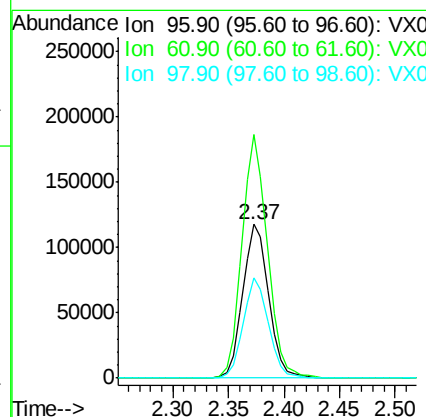
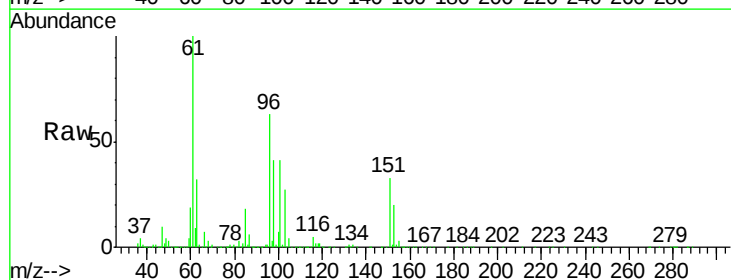
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

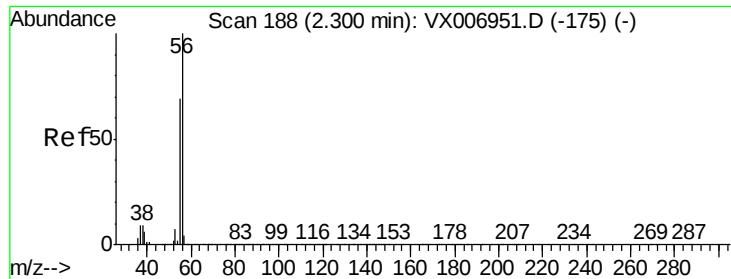
Tot Ion: 59 Resp: 266172
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7



#12
1,1-Dichloroethene
Concen: 44.430 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 96 Resp: 189460
Ion Ratio Lower Upper
96 100
61 158.6 121.4 182.2
98 65.2 51.9 77.9





#13

Acrolein

Concen: 272.210 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

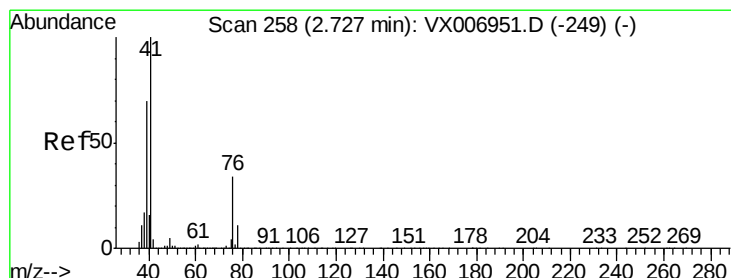
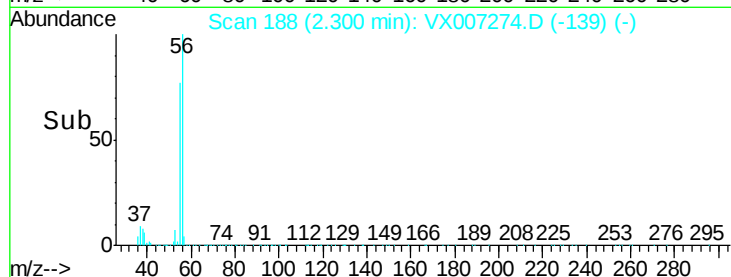
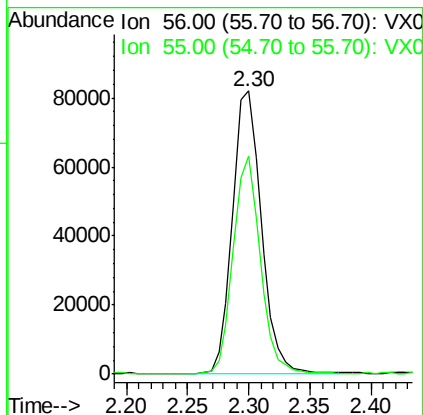
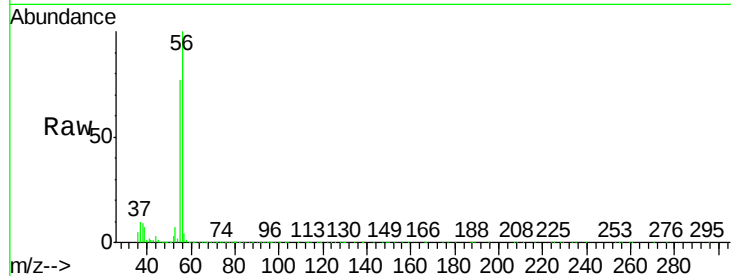
VSTDCCC050EC

Tot Ion: 56 Resp: 134422

Ion Ratio Lower Upper

56 100

55 72.0 58.2 87.4



#14

Allyl chloride

Concen: 46.692 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

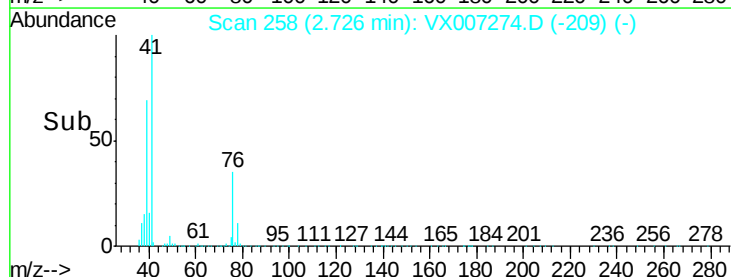
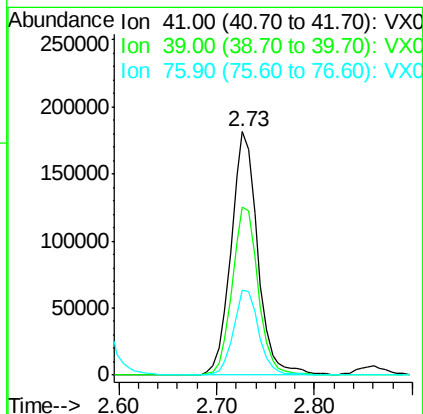
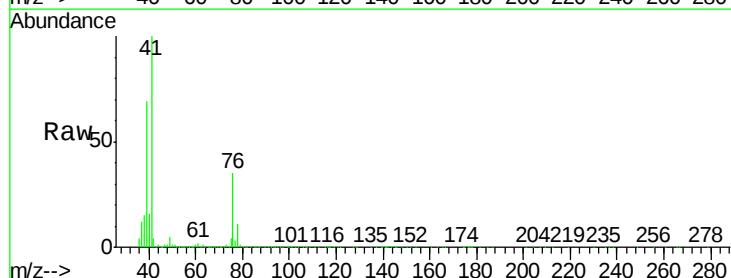
Tgt Ion: 41 Resp: 341235

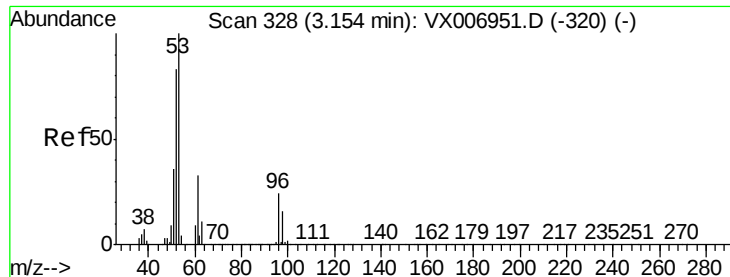
Ion Ratio Lower Upper

41 100

39 67.6 53.6 80.4

76 32.8 27.4 41.2





#15

Acrylonitrile

Concen: 248.699 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

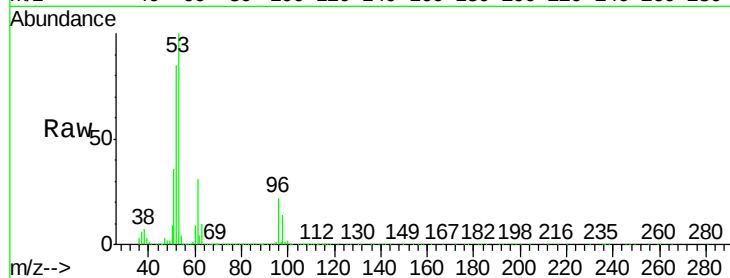
Tot Ion: 53 Resp: 653036

Ion Ratio Lower Upper

53 100

52 83.4 66.0 99.0

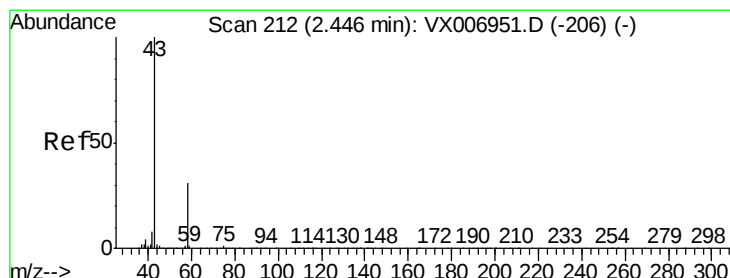
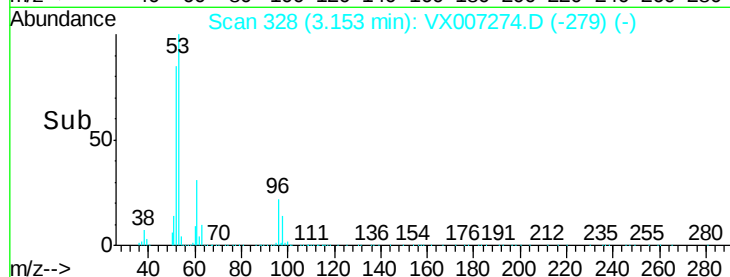
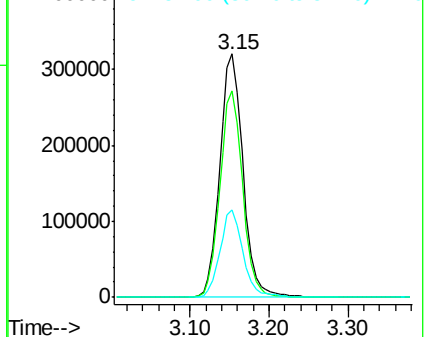
51 35.7 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 234.113 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007274.D

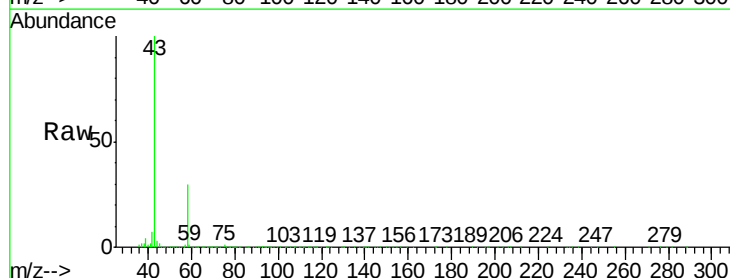
Acq: 28 Jan 2019 21:12

Tgt Ion: 43 Resp: 561203

Ion Ratio Lower Upper

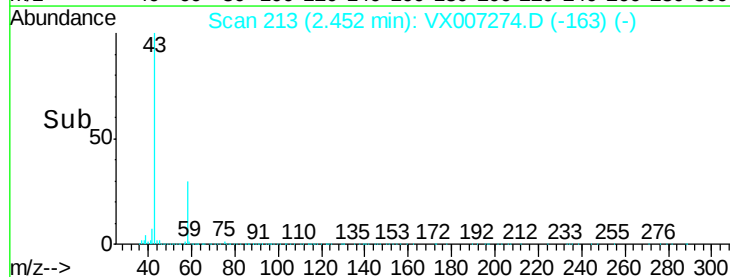
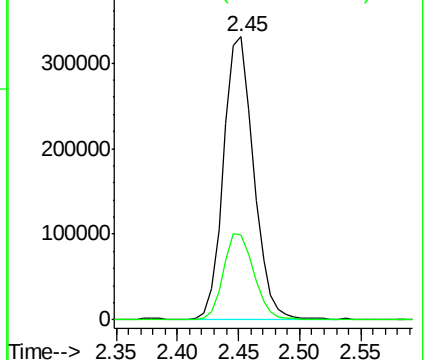
43 100

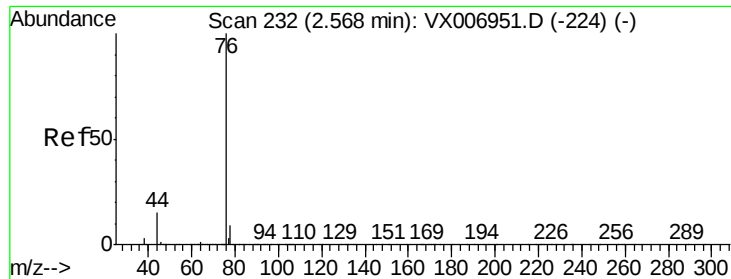
58 30.1 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

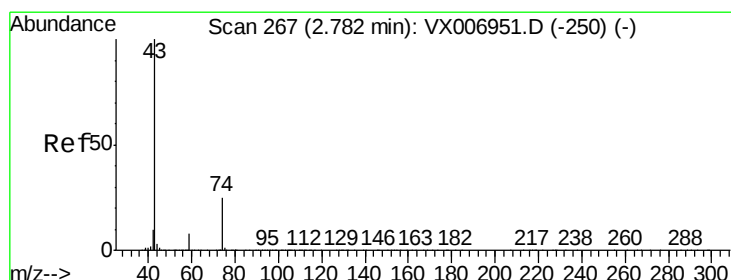
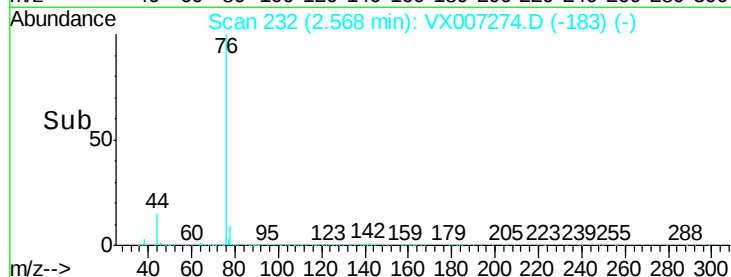
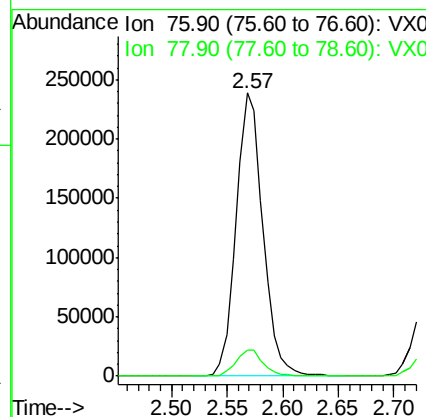
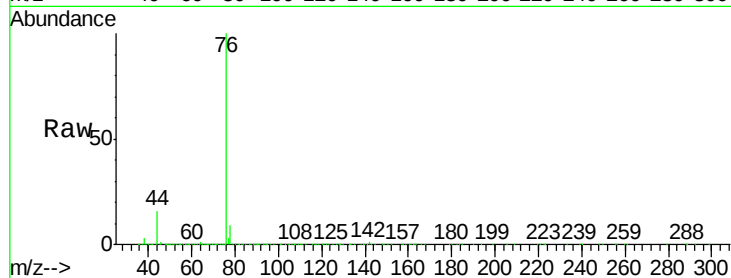




#17
Carbon Disulfide
Concen: 36.285 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

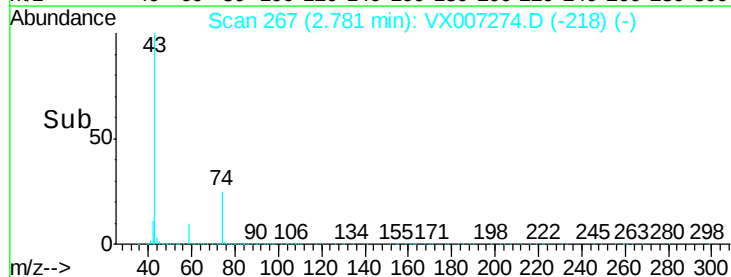
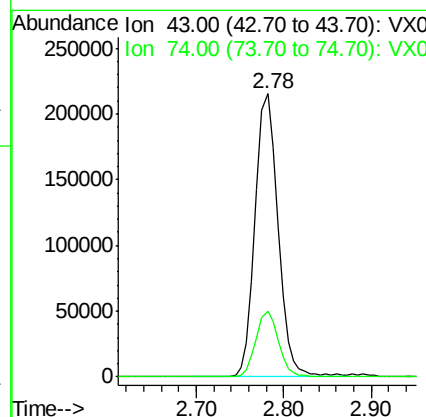
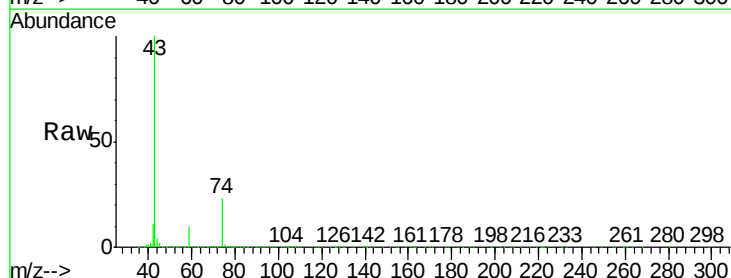
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

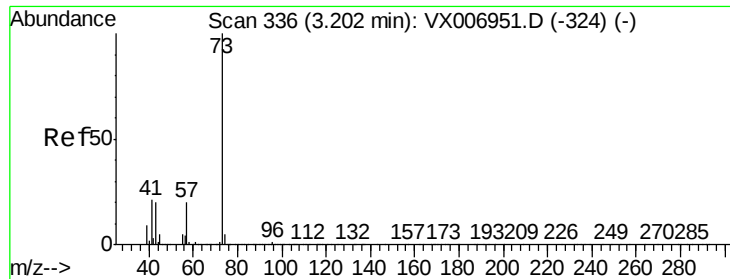
Tot Ion: 76 Resp: 398363
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 56.757 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 43 Resp: 394008
Ion Ratio Lower Upper
43 100
74 23.0 18.6 28.0

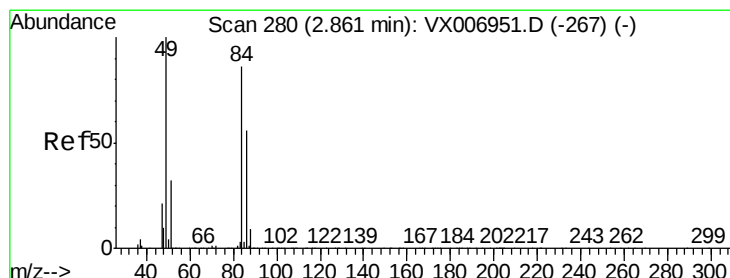
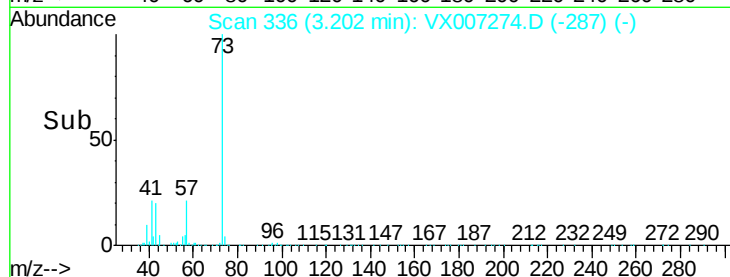
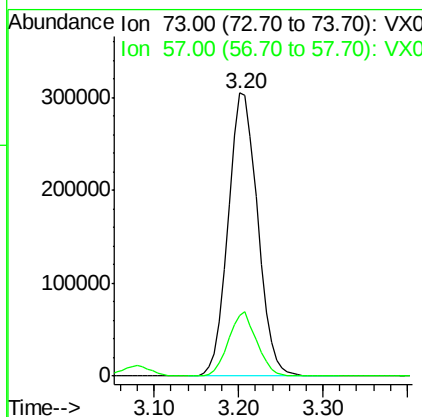
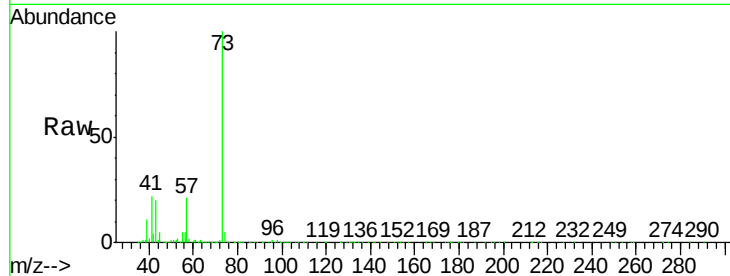




#19
Methvl tert-butvl Ether
Concen: 48.894 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

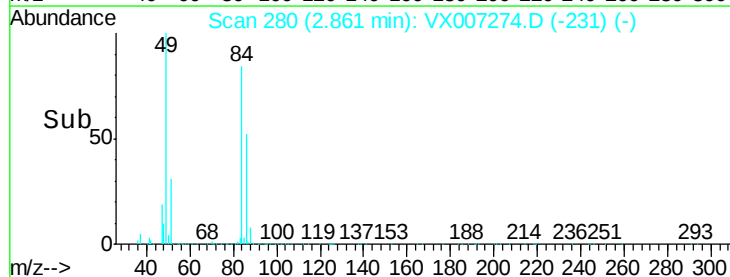
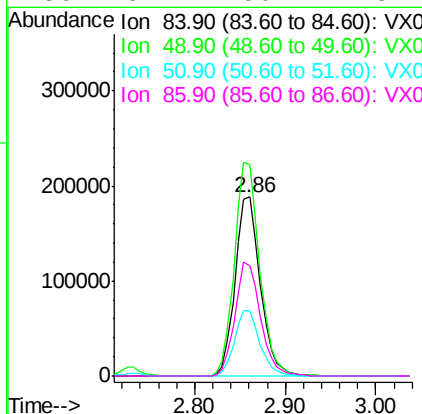
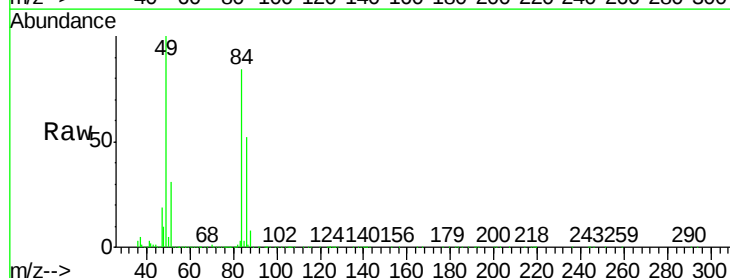
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

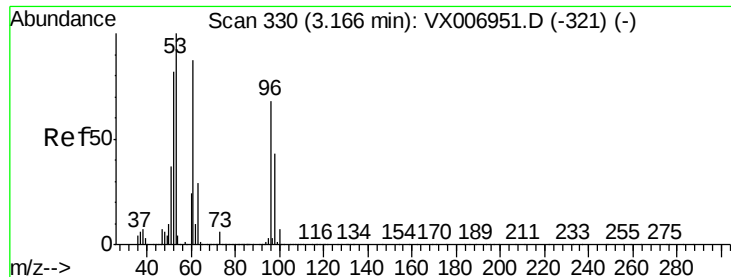
Tot Ion: 73 Resp: 723669
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2



#20
Methylene Chloride
Concen: 80.095 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 84 Resp: 363633
Ion Ratio Lower Upper
84 100
49 118.3 91.8 137.6
51 36.1 28.5 42.7
86 61.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 42.499 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

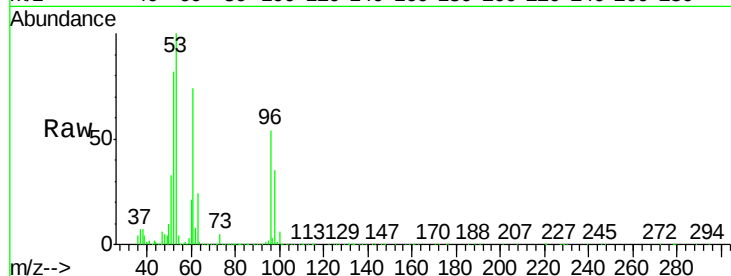
Tot Ion: 96 Resp: 201958

Ion Ratio Lower Upper

96 100

61 136.7 103.7 155.5

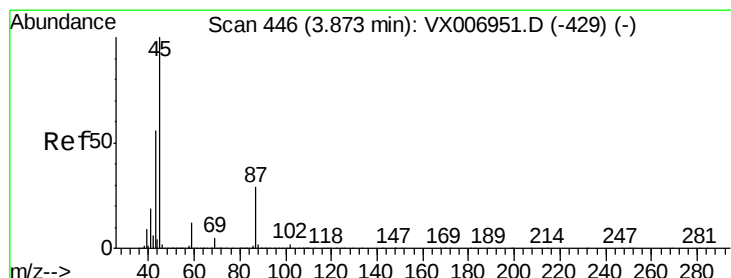
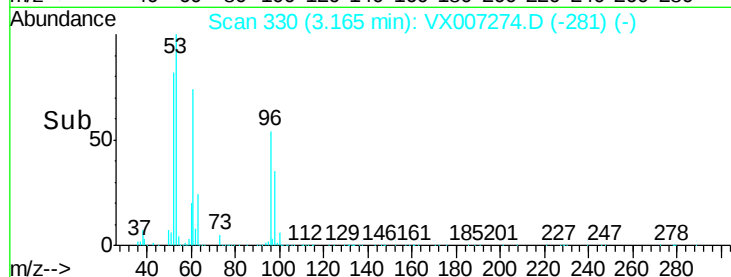
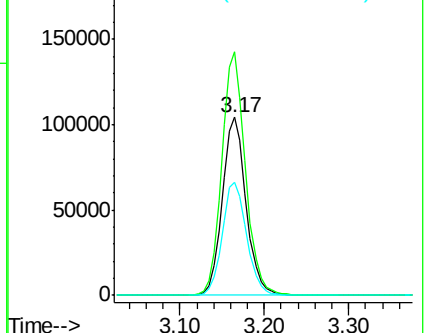
98 63.6 51.0 76.6



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: 48.836 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion: 45 Resp: 670971

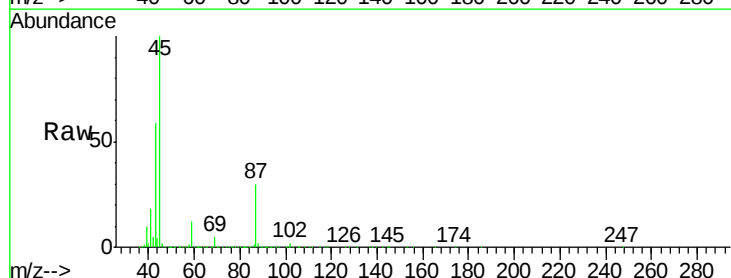
Ion Ratio Lower Upper

45 100

43 58.9 51.2 76.8

87 29.9 25.8 38.6

59 11.9 9.0 13.4

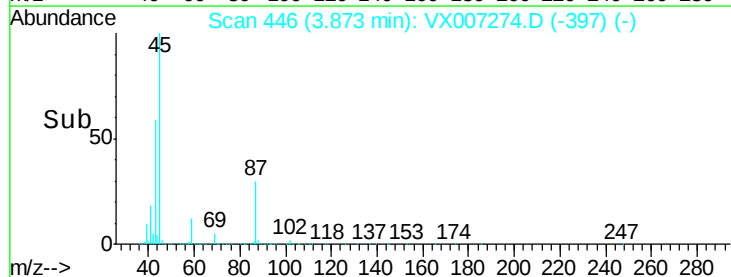
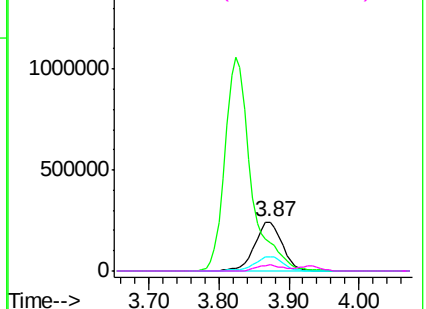


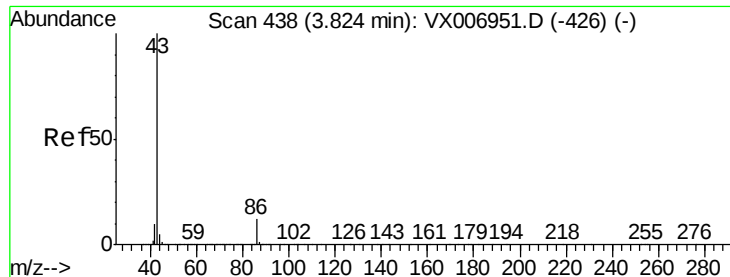
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 237.253 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

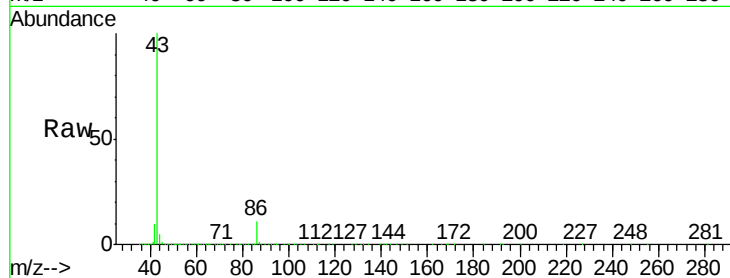
VSTDCCC050EC

Tot Ion: 43 Resp: 2748952

Ion Ratio Lower Upper

43 100

86 11.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

1200000

1000000

800000

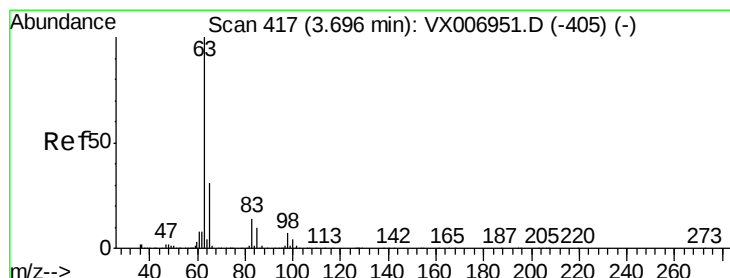
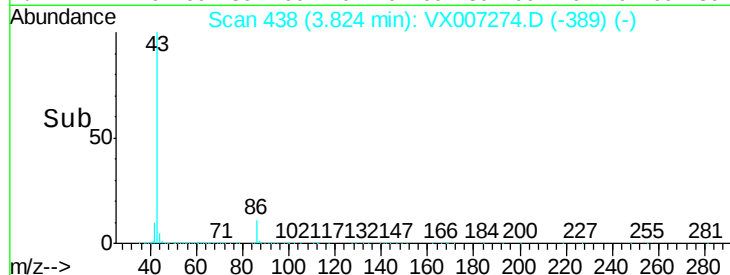
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 47.391 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

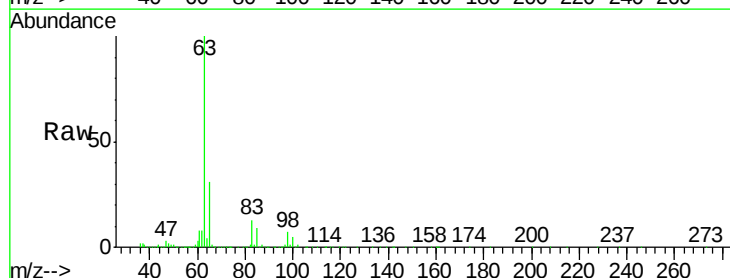
Tgt Ion: 63 Resp: 364078

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.6 2.4 7.2



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

3.70

200000

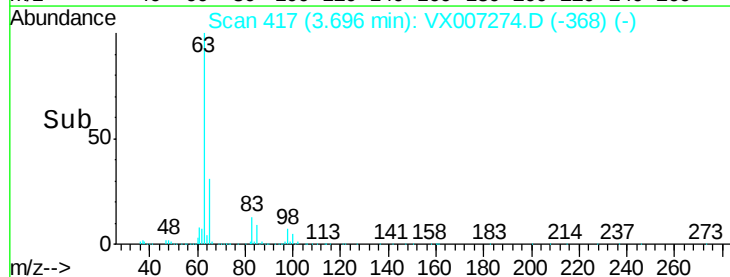
150000

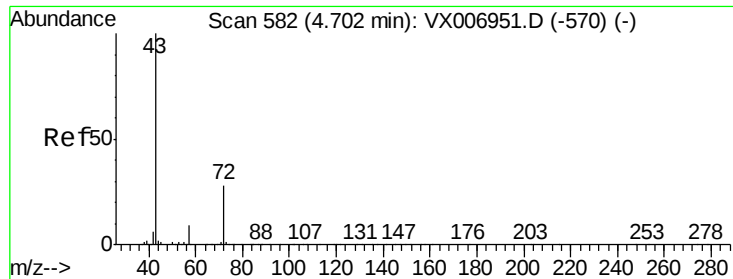
100000

50000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 241.593 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

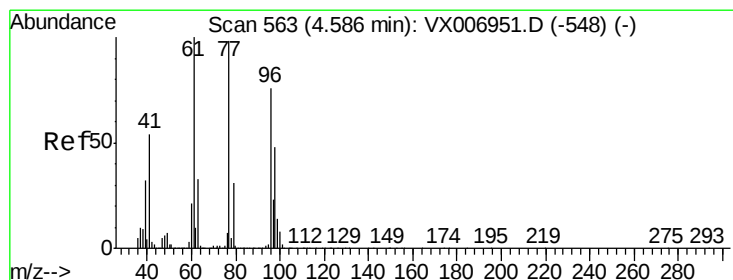
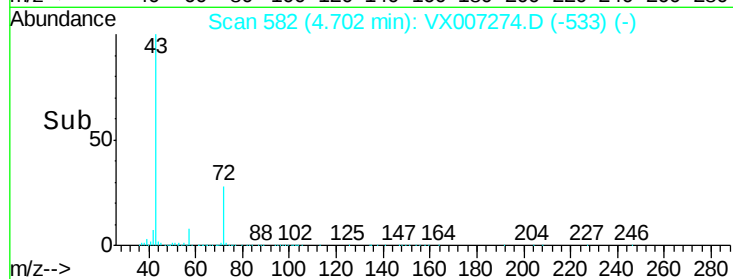
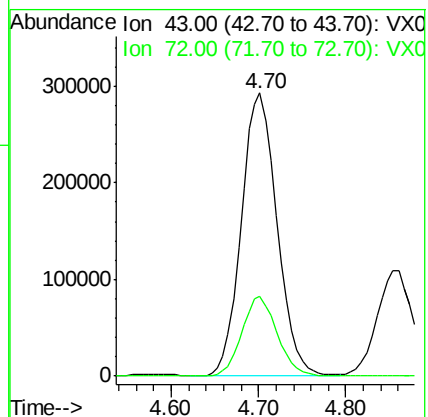
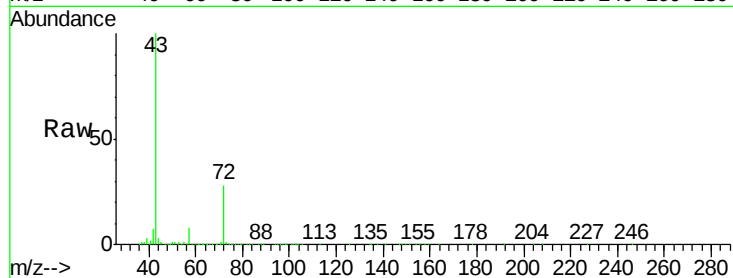
VSTDCCC050EC

Tot Ion: 43 Resp: 828656

Ion Ratio Lower Upper

43 100

72 27.9 22.4 33.6



#26

2,2-Dichloropropane

Concen: 41.852 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007274.D

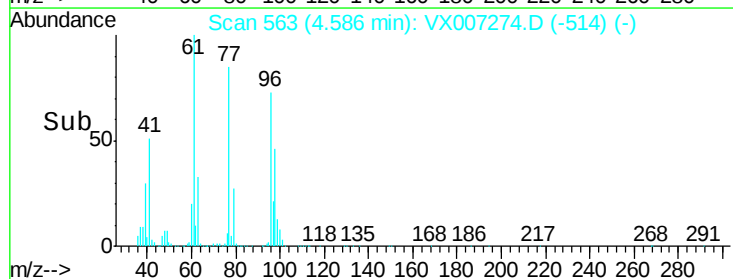
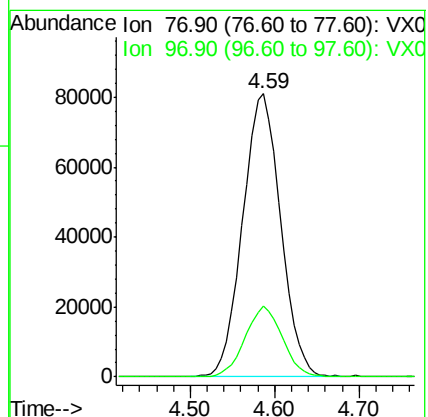
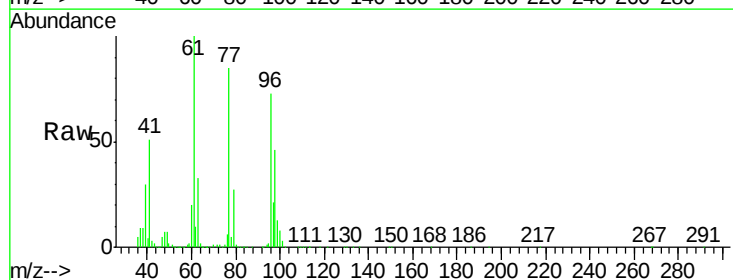
Acq: 28 Jan 2019 21:12

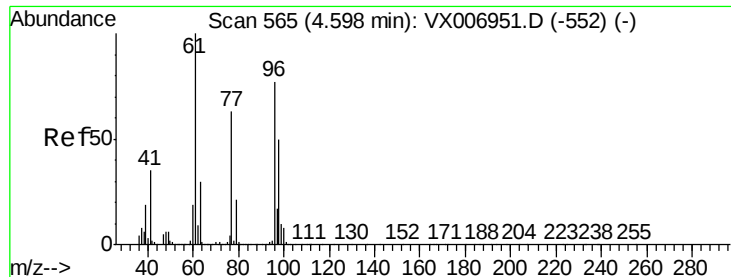
Tgt Ion: 77 Resp: 247243

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4



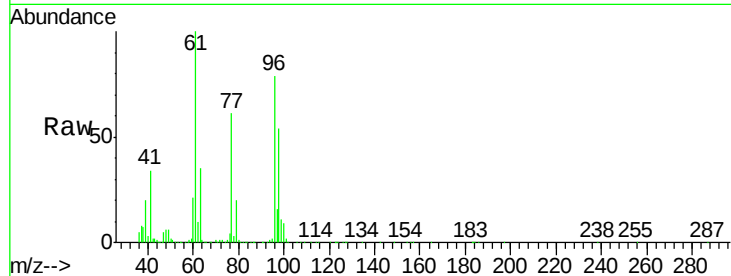


#27

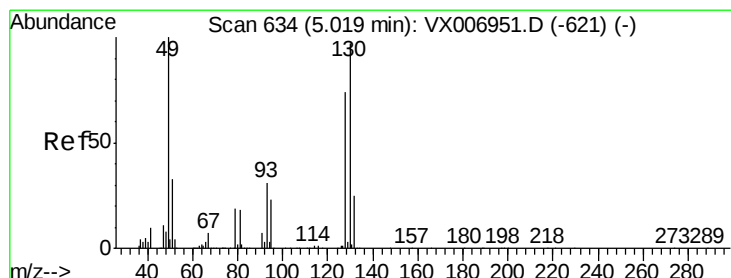
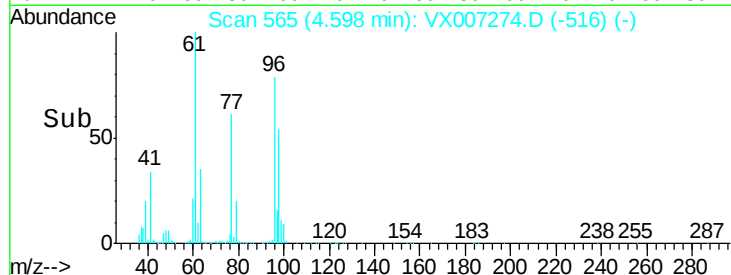
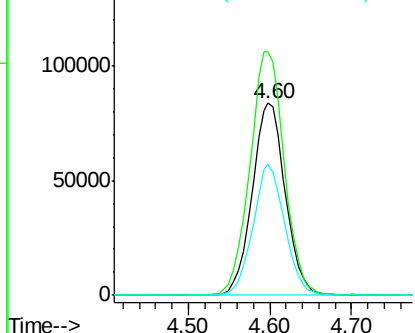
cis-1,2-Dichloroethene
 Concen: 45.046 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	0.0	258.6
98	65.7	0.0	132.0



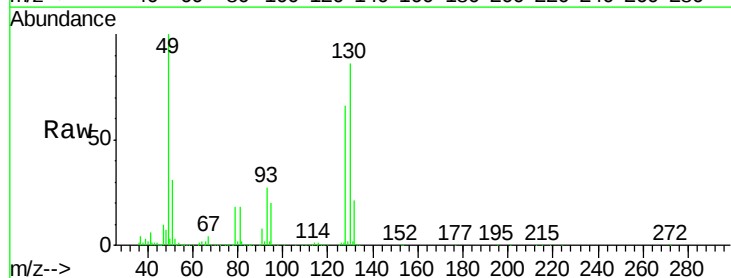
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



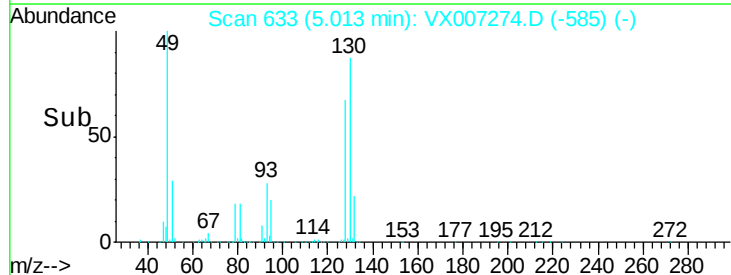
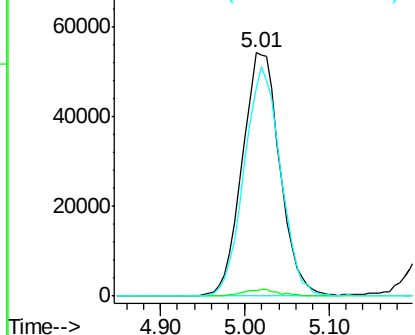
#28

Bromochloromethane
 Concen: 49.069 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	91.2	77.7	116.5



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

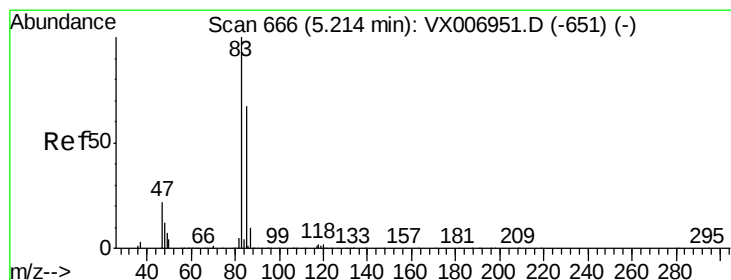
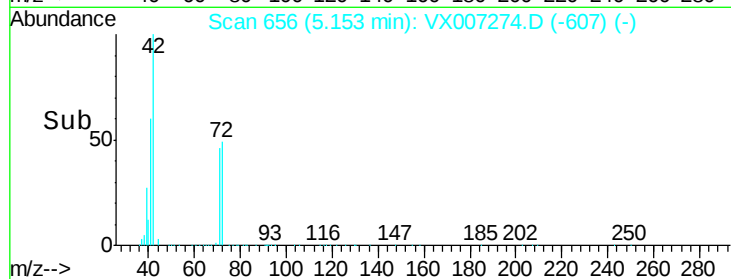
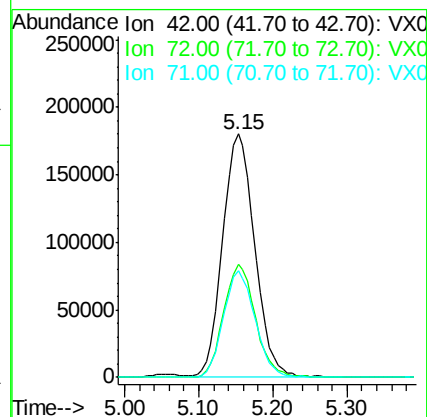
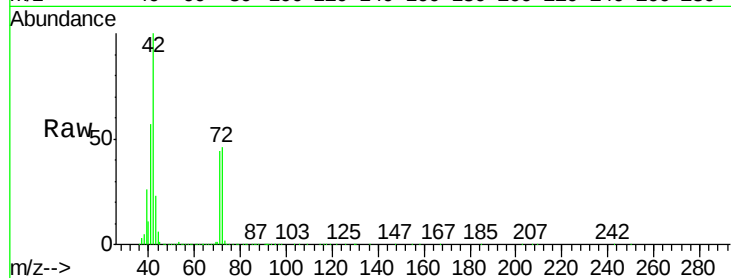




#29
Tetrahydrofuran
Concen: 242.323 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

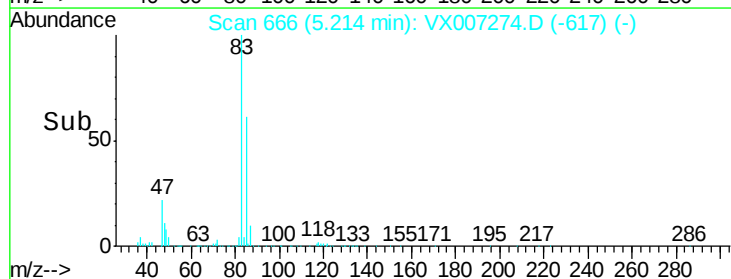
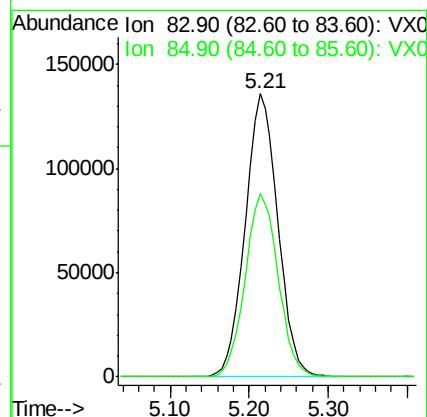
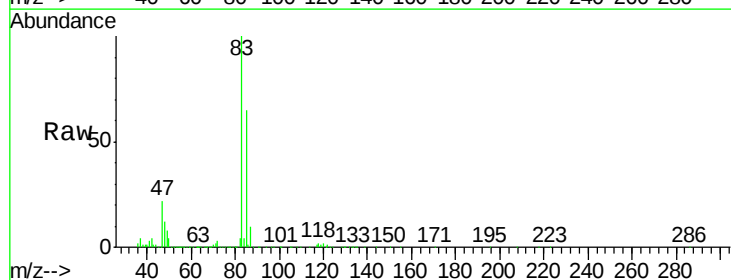
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

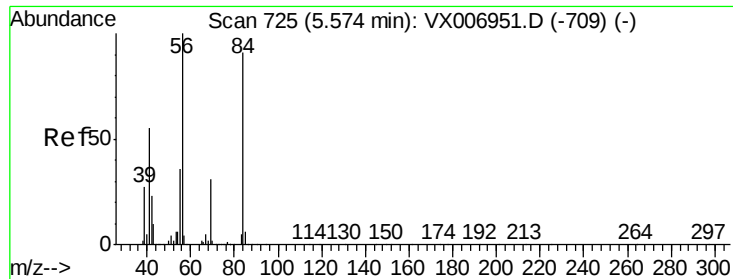
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	38.9	58.3
71	43.2	36.2	54.4



#30
Chloroform
Concen: 48.649 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8

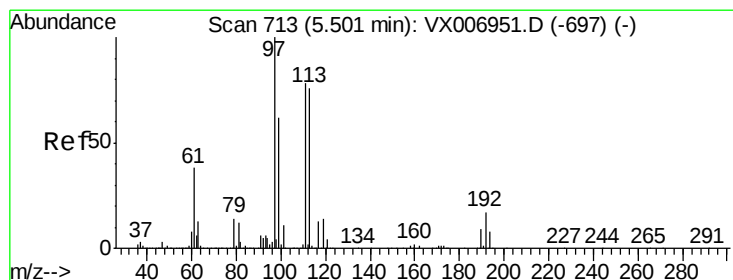
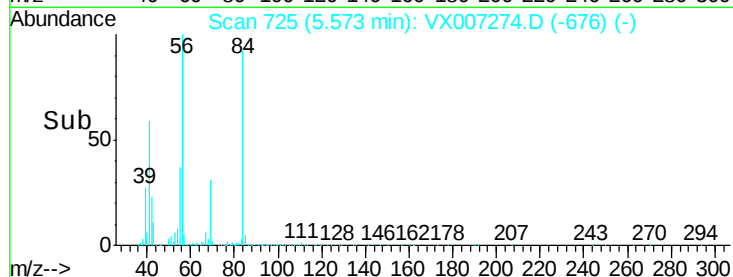
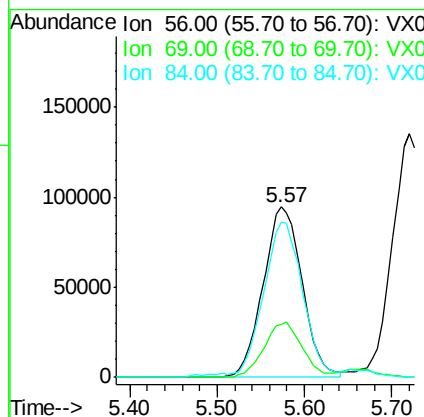
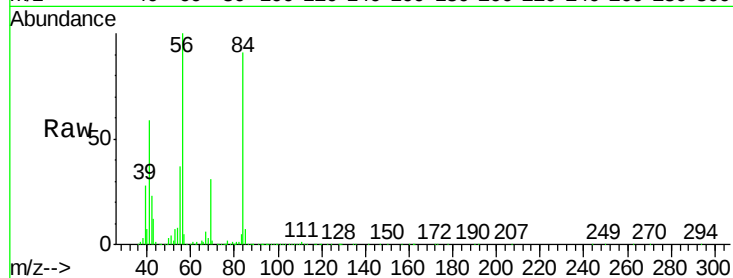




#31
Cyclohexane
Concen: 42.852 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

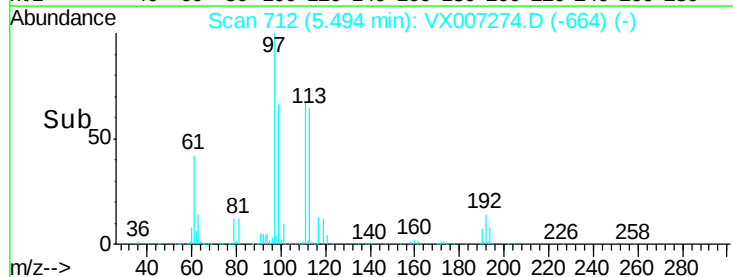
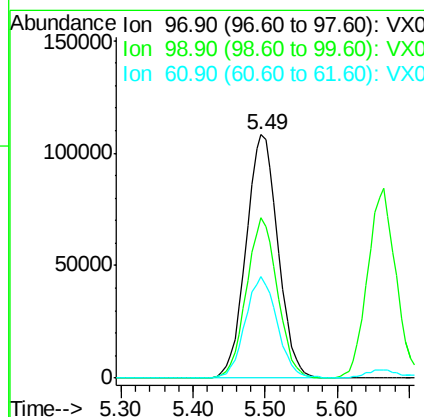
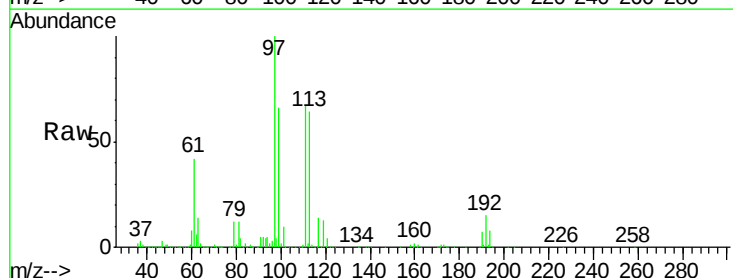
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

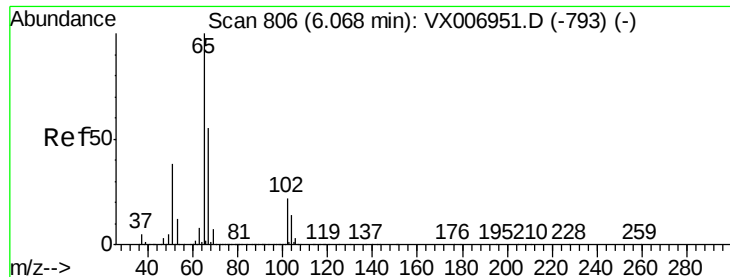
Tot Ion: 56 Resp: 293010
Ion Ratio Lower Upper
56 100
69 31.1 24.4 36.6
84 90.6 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 48.762 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 97 Resp: 332452
Ion Ratio Lower Upper
97 100
99 64.1 51.7 77.5
61 41.7 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 49.839 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

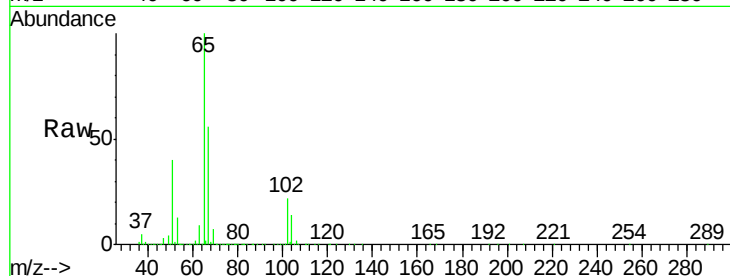
VSTDCCC050EC

Tot Ion: 65 Resp: 241664

Ion Ratio Lower Upper

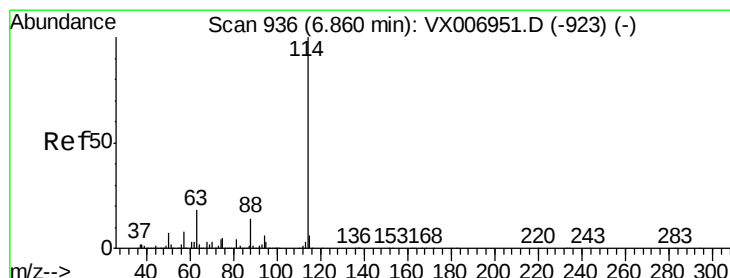
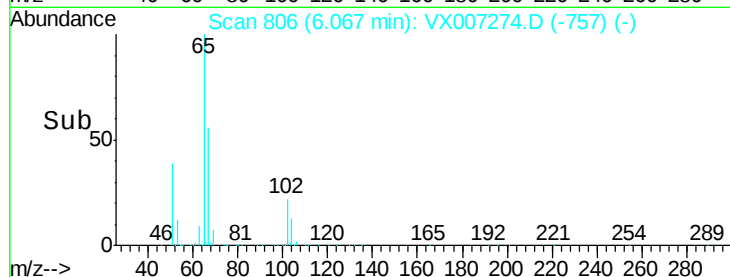
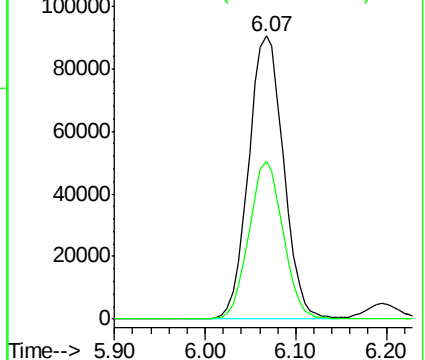
65 100

67 54.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

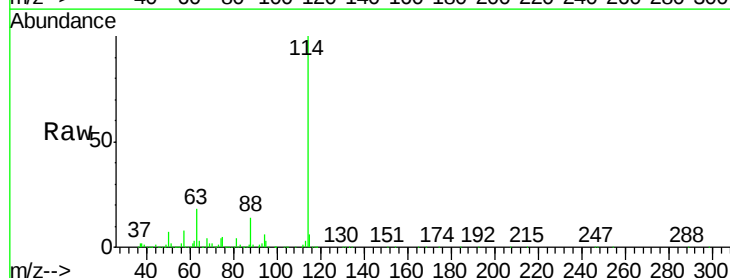
Tgt Ion: 114 Resp: 691356

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

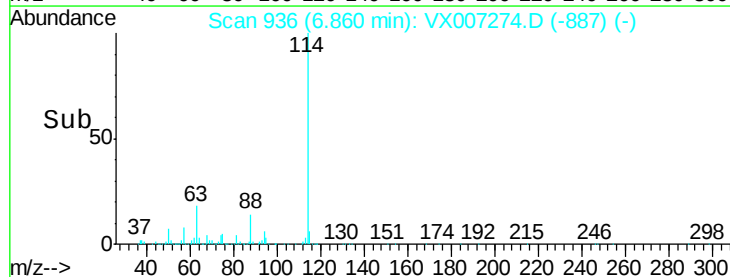
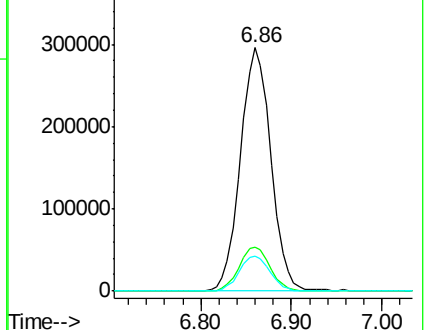
88 14.1 0.0 28.8

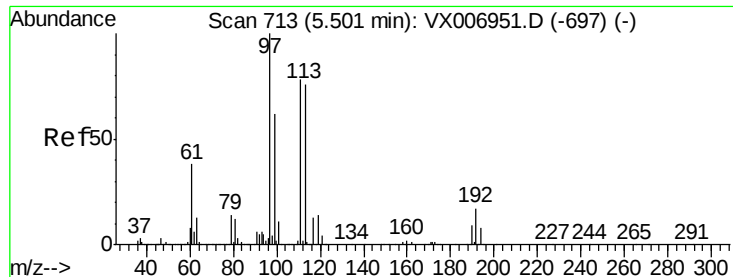


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.946 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

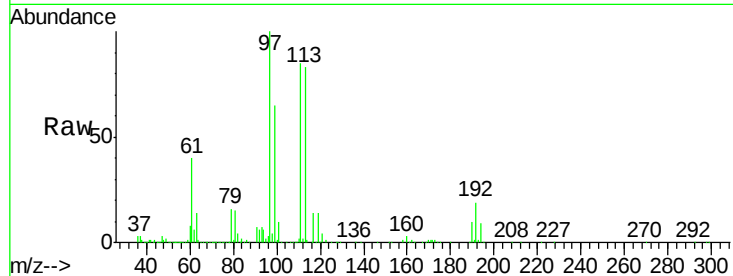
Tot Ion:113 Resp: 221131

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

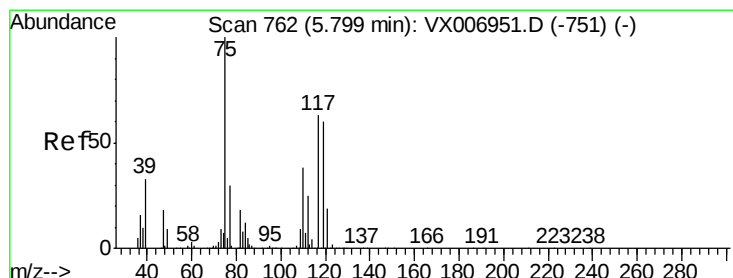
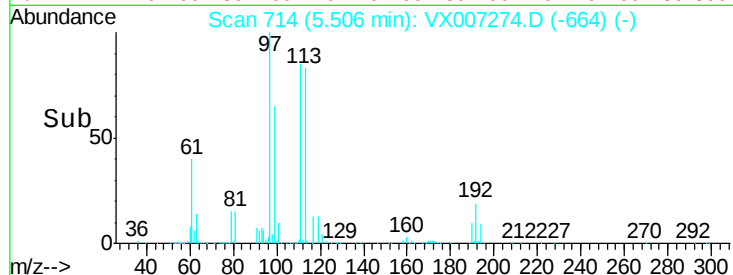
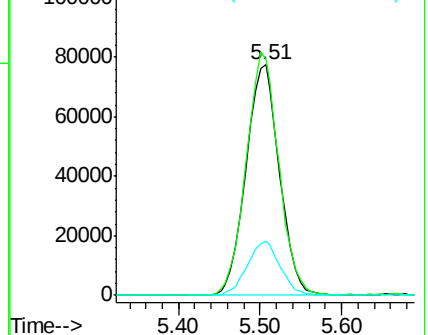
192 23.2 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 43.877 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

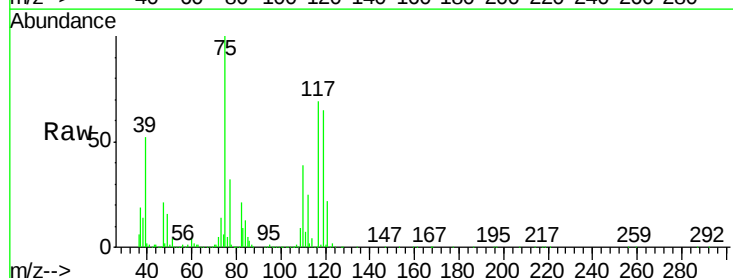
Tgt Ion: 75 Resp: 263734

Ion Ratio Lower Upper

75 100

110 40.1 20.2 60.5

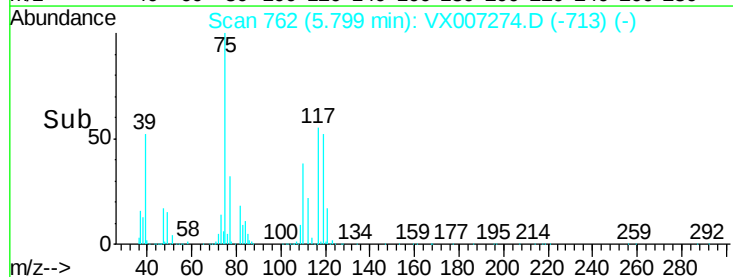
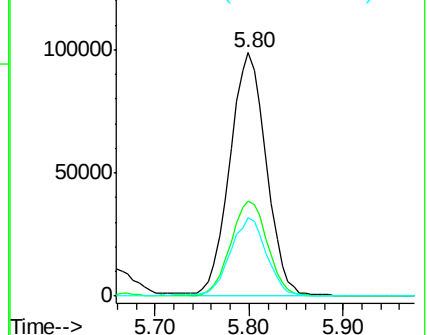
77 32.2 24.8 37.2

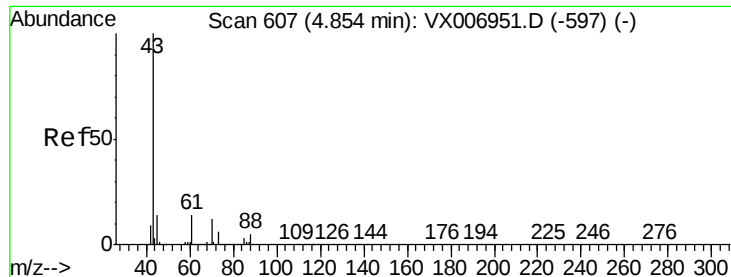


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

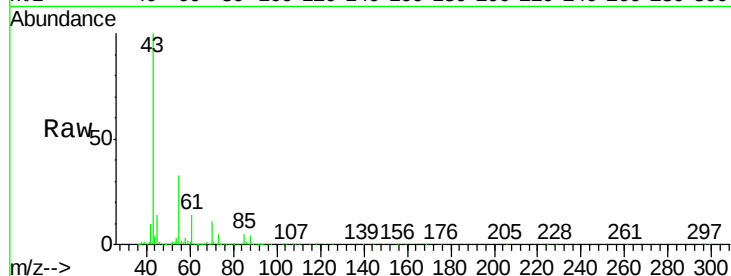




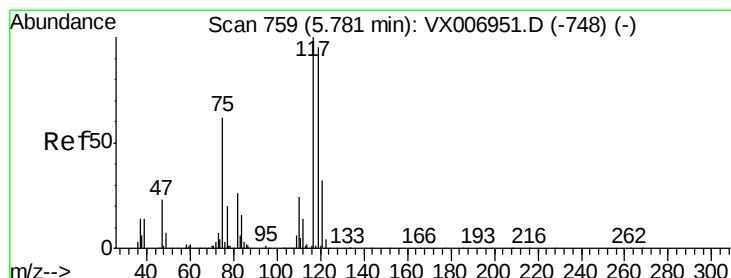
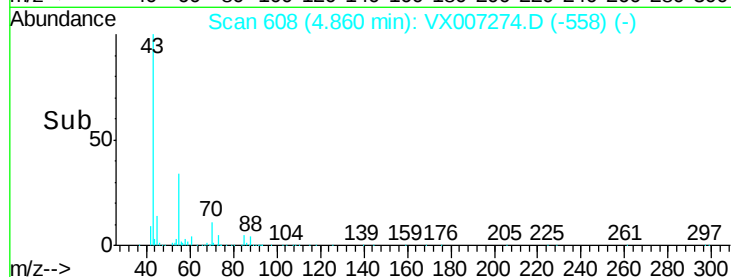
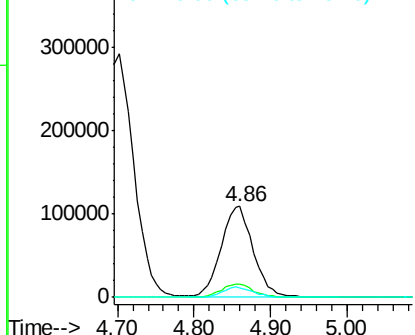
#37
Ethyl Acetate
Concen: 48.916 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 315221
Ion Ratio Lower Upper
43 100
61 14.3 11.9 17.9
70 10.6 9.7 14.5

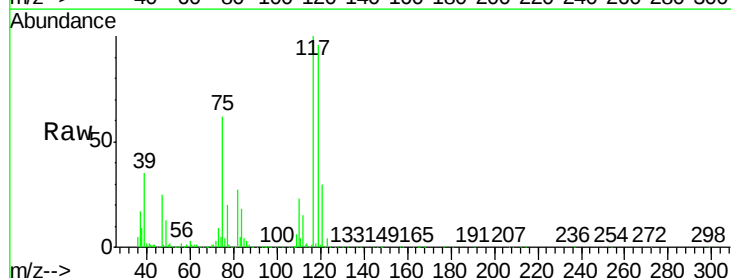


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

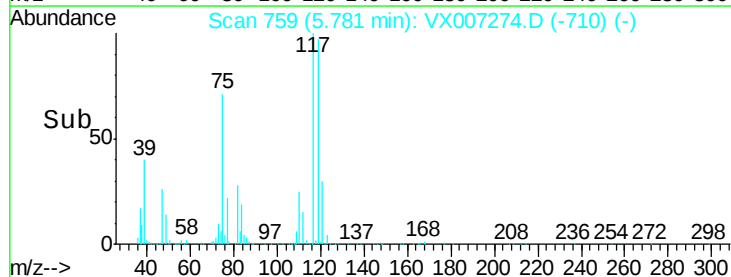
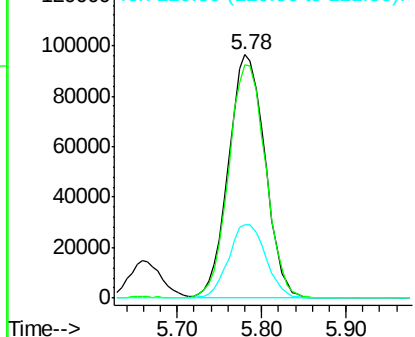


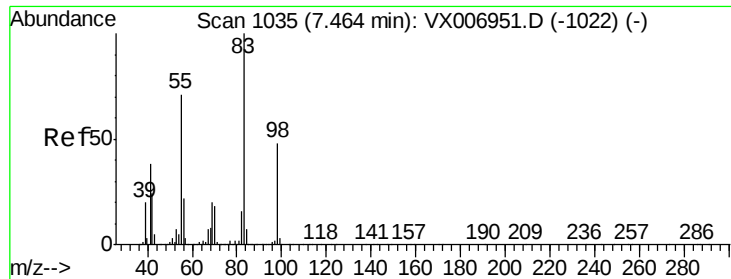
#38
Carbon Tetrachloride
Concen: 46.776 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 117 Resp: 282879
Ion Ratio Lower Upper
117 100
119 95.6 79.4 119.2
121 30.1 24.0 36.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

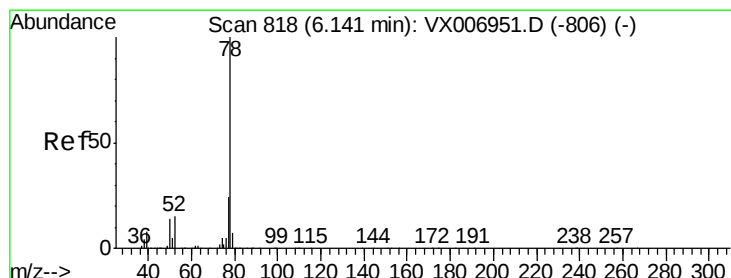
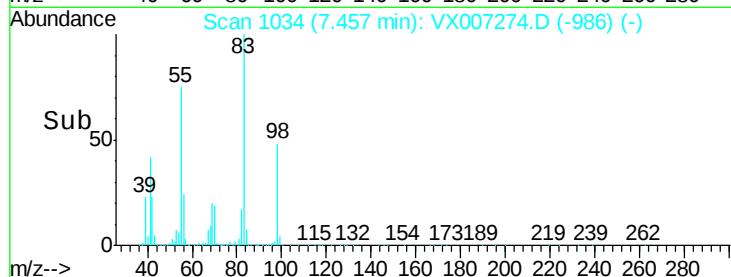
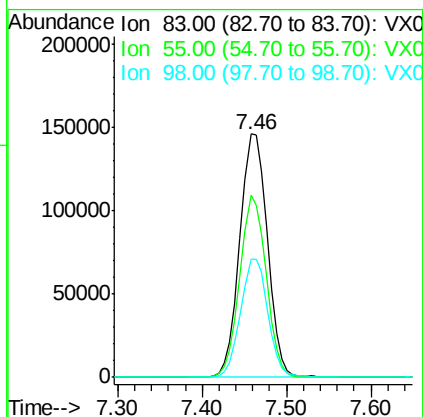
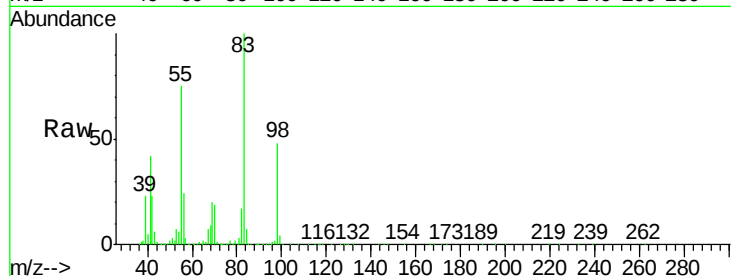




#39
Methvlcvclohexane
Concen: 42.292 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

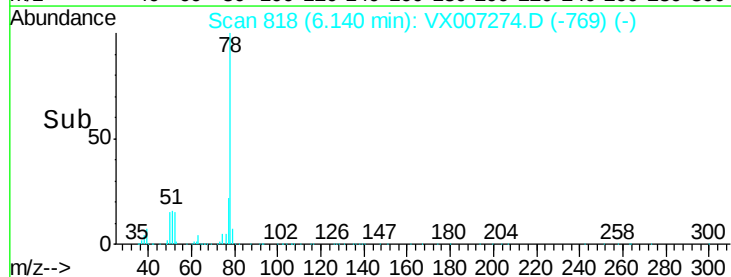
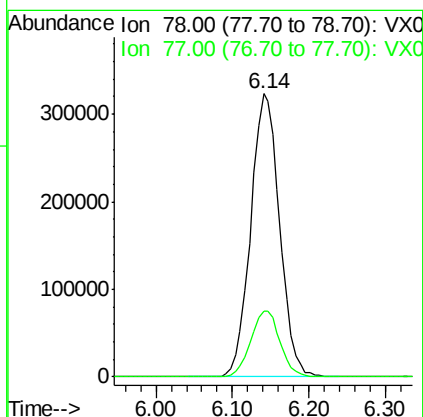
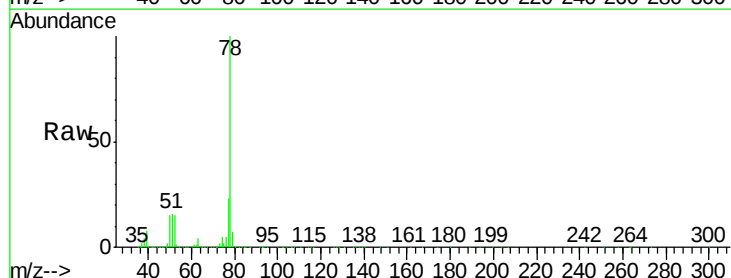
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

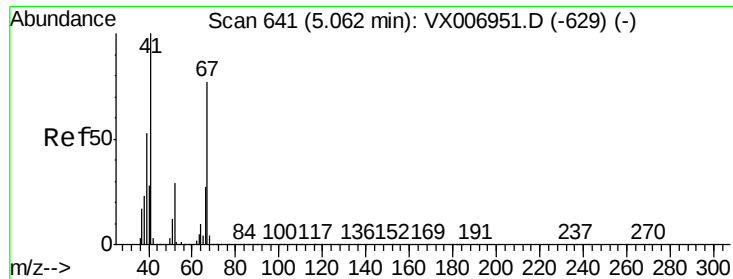
Tot Ion: 83 Resp: 324078
Ion Ratio Lower Upper
83 100
55 74.7 54.9 82.3
98 48.4 37.9 56.9



#40
Benzene
Concen: 46.344 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 78 Resp: 849986
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8





#41

Methacrylonitrile

Concen: 46.984 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 174419

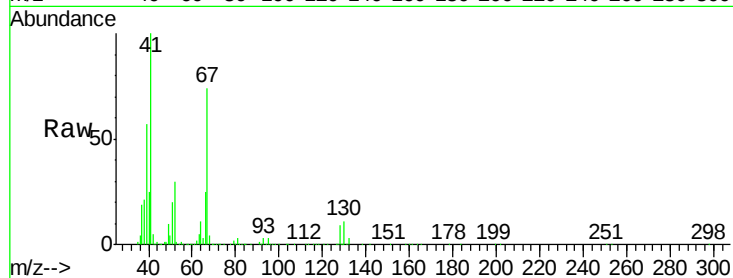
Ion Ratio Lower Upper

41 100

39 55.0 42.8 64.2

67 75.4 62.1 93.1

52 28.9 23.4 35.0

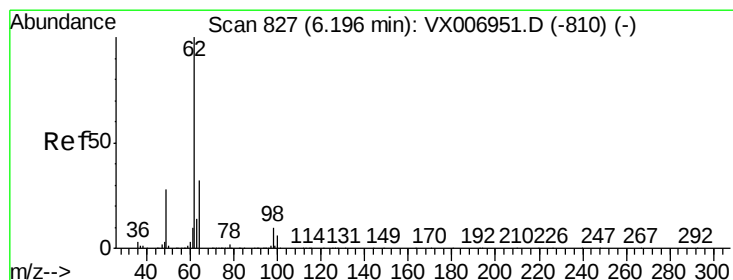
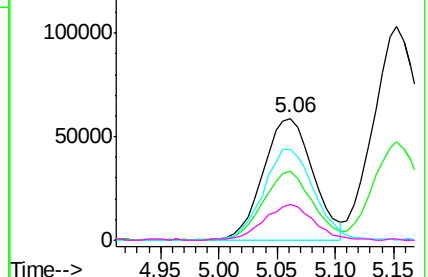
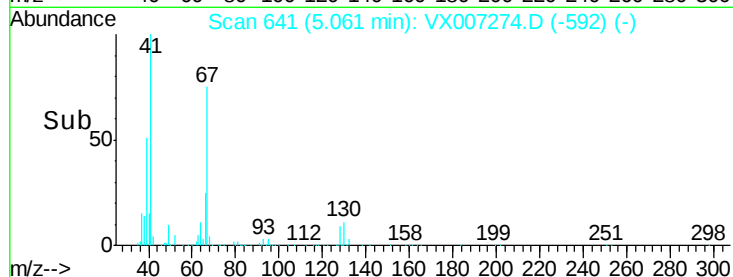


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 47.070 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007274.D

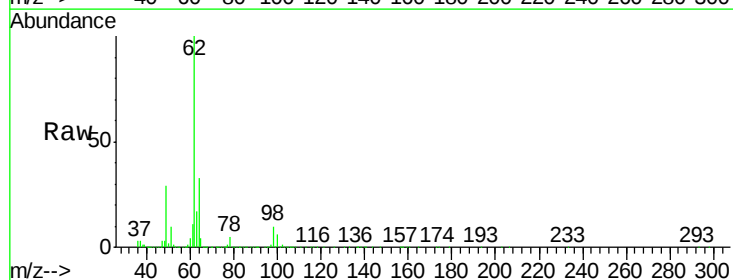
Acq: 28 Jan 2019 21:12

Tgt Ion: 62 Resp: 298324

Ion Ratio Lower Upper

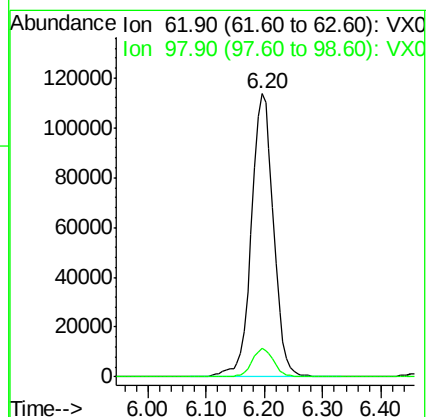
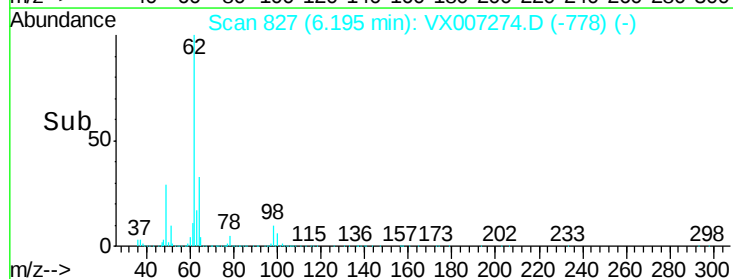
62 100

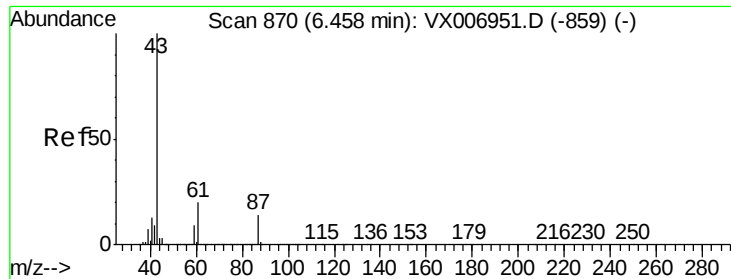
98 9.8 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



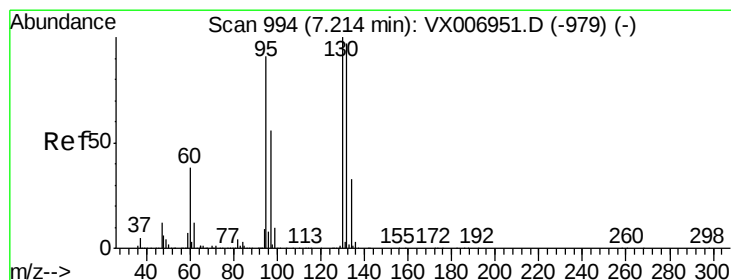
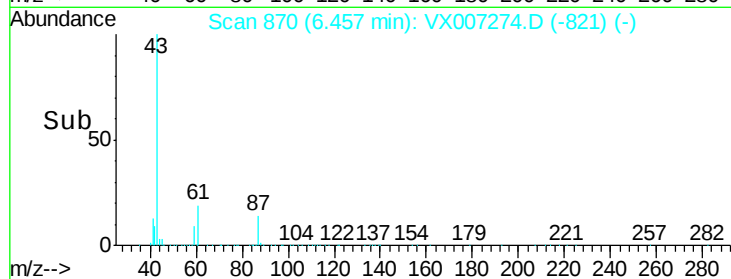
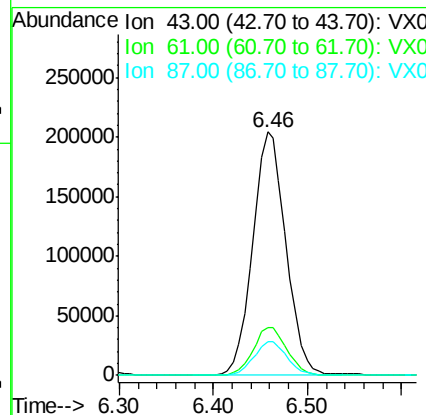
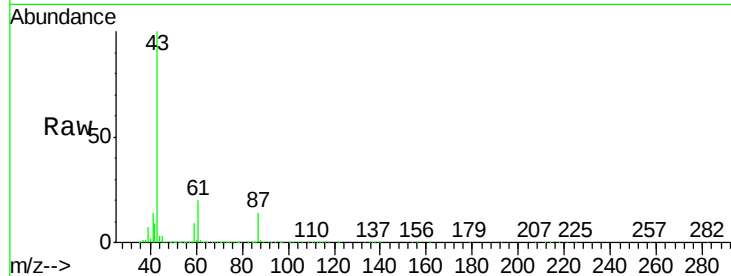


#43

Isopropyl Acetate
 Concen: 49.640 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

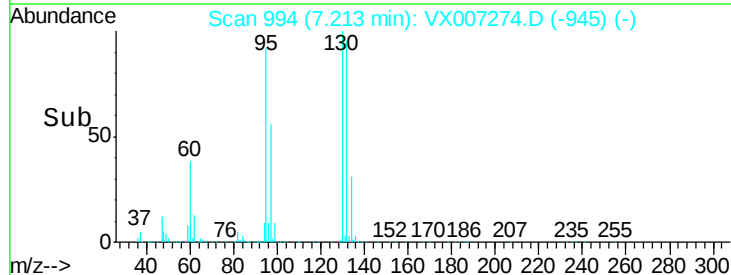
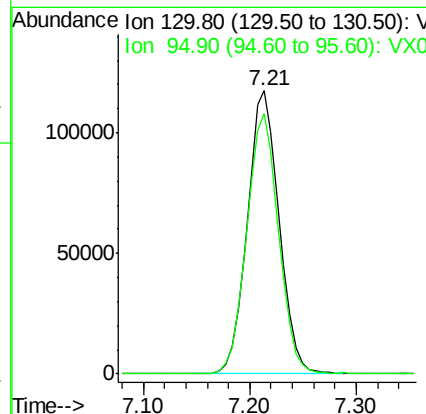
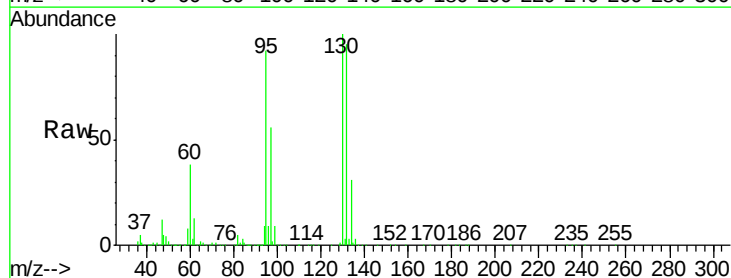
Tot Ion: 43 Resp: 504572
 Ion Ratio Lower Upper
 43 100
 61 20.3 16.8 25.2
 87 14.0 12.4 18.6

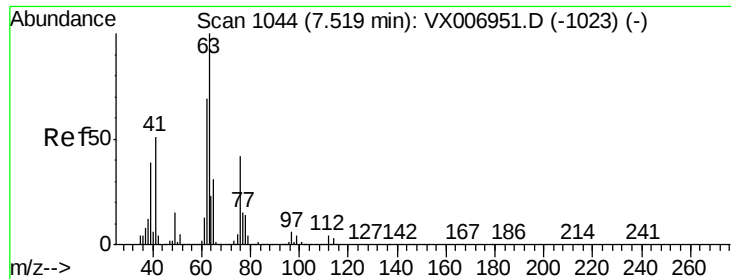


#44

Trichloroethene
 Concen: 44.670 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Tgt Ion: 130 Resp: 245503
 Ion Ratio Lower Upper
 130 100
 95 91.8 0.0 187.0





#45

1,2-Dichloropropane

Concen: 48.295 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

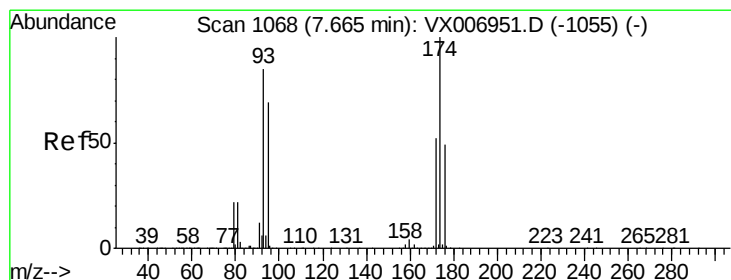
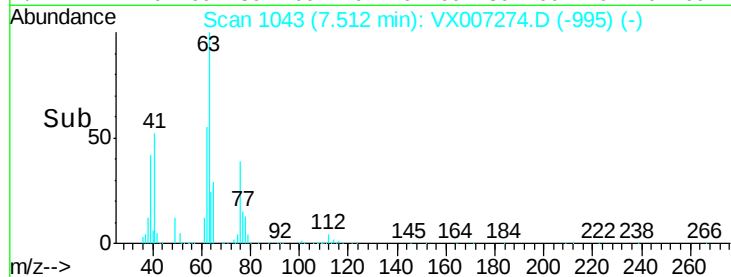
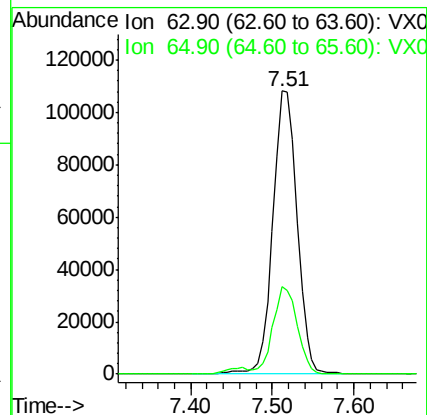
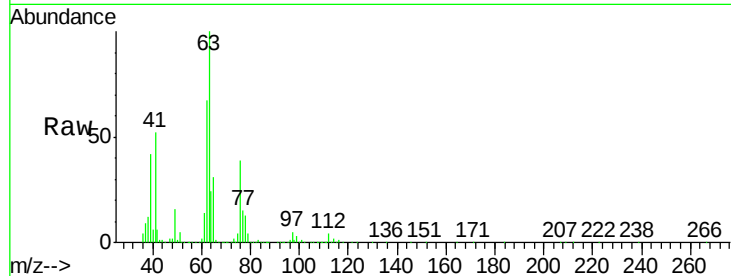
VSTDCCC050EC

Tot Ion: 63 Resp: 222685

Ion Ratio Lower Upper

63 100

65 30.7 25.4 38.0



#46

Dibromomethane

Concen: 48.628 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

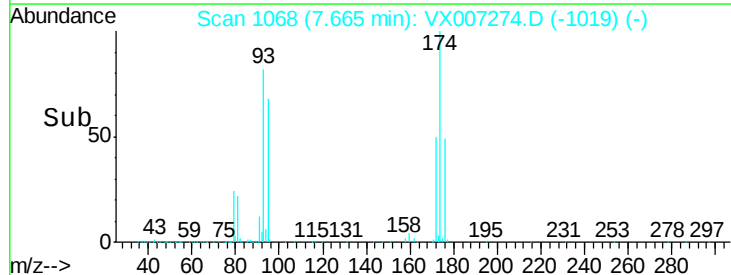
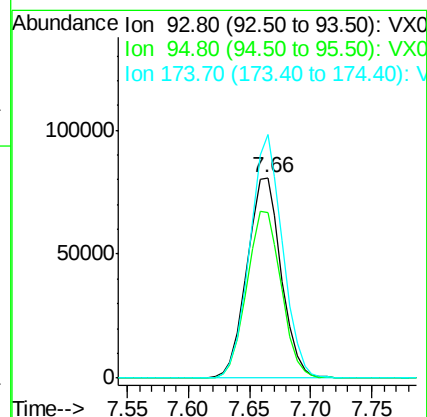
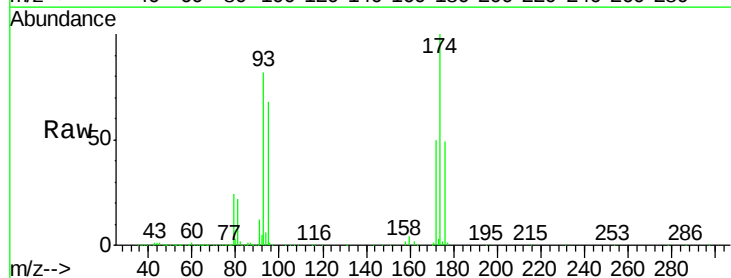
Tgt Ion: 93 Resp: 157581

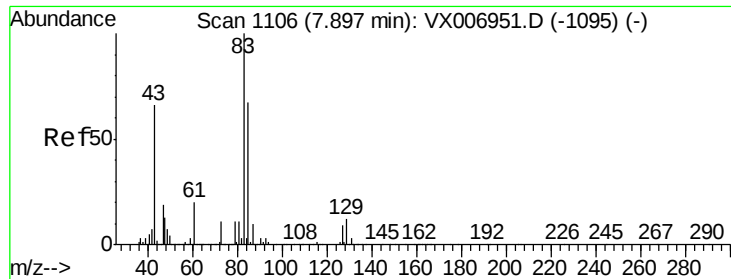
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 116.2 91.0 136.4





#47

Bromodichloromethane

Concen: 51.608 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

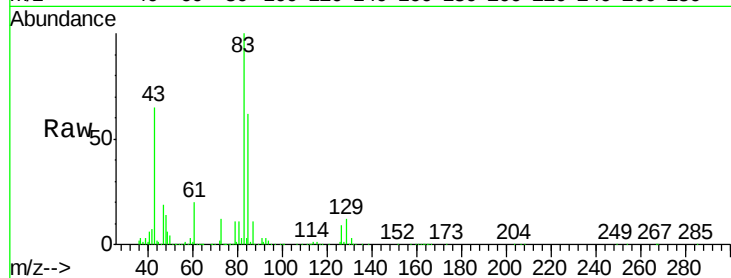
Tot Ion: 83 Resp: 284668

Ion Ratio Lower Upper

83 100

85 61.8 53.2 79.8

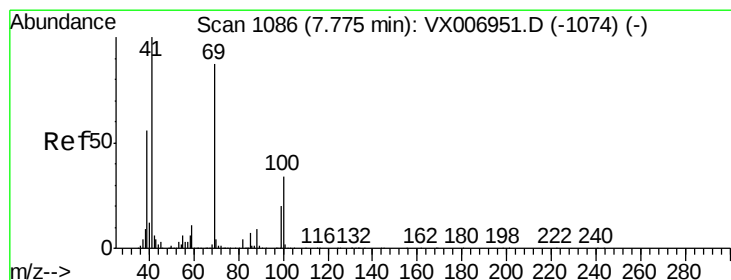
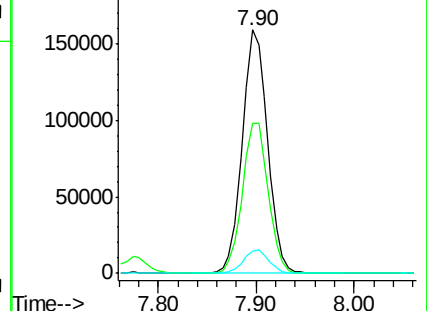
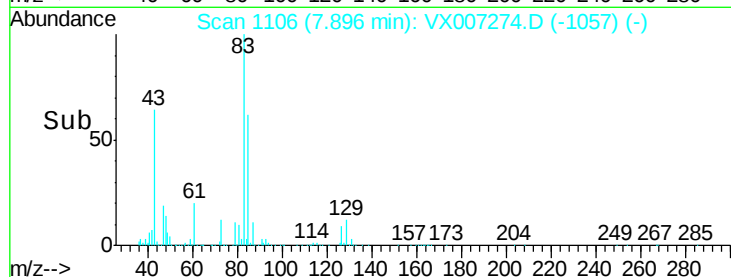
127 9.2 7.8 11.6



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: 49.888 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

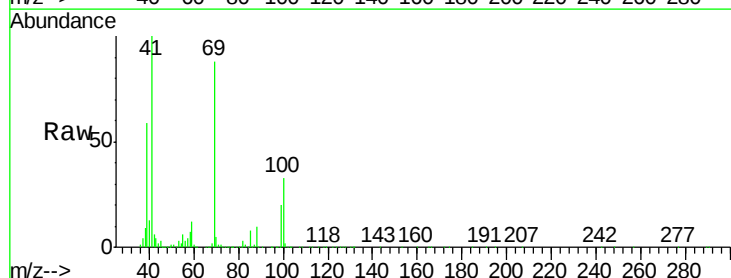
Tgt Ion: 41 Resp: 260413

Ion Ratio Lower Upper

41 100

69 87.5 72.4 108.6

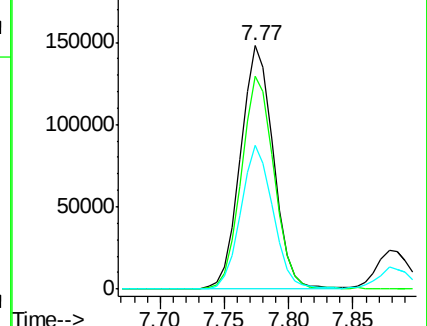
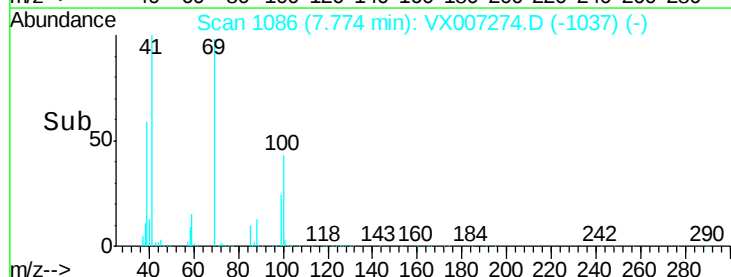
39 58.0 45.8 68.8

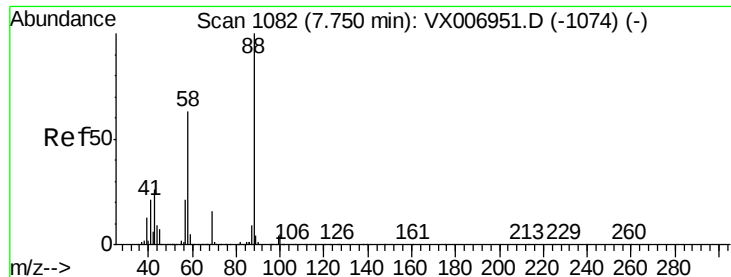


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 919.552 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

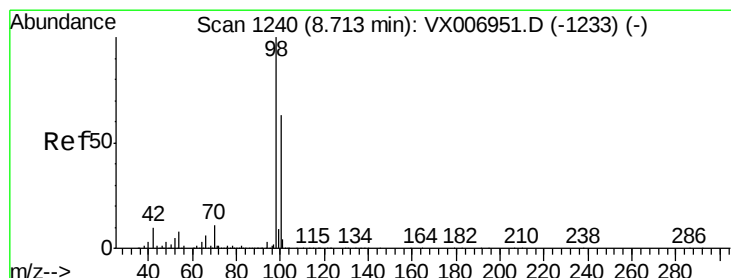
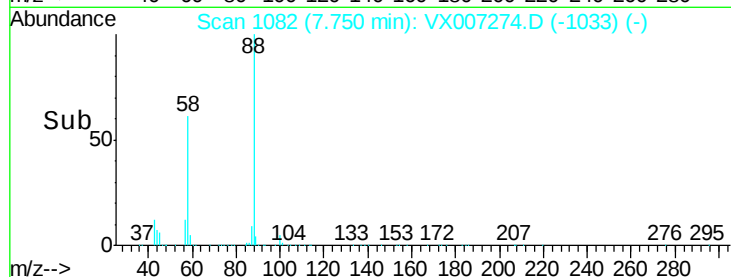
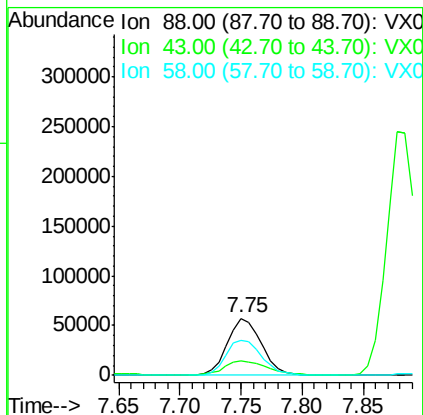
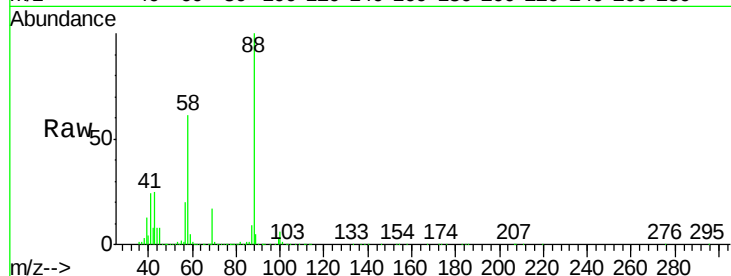
Tot Ion: 88 Resp: 109700

Ion Ratio Lower Upper

88 100

43 30.6 22.2 33.4

58 66.0 51.0 76.4



#50

Toluene-d8

Concen: 50.197 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007274.D

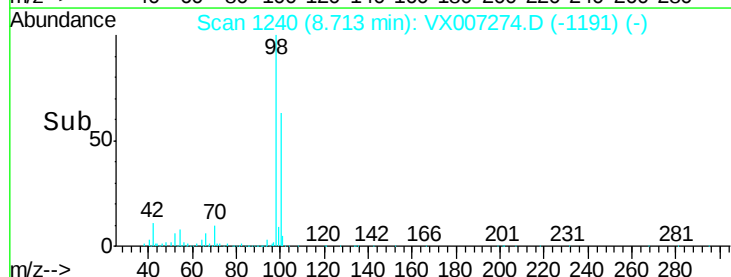
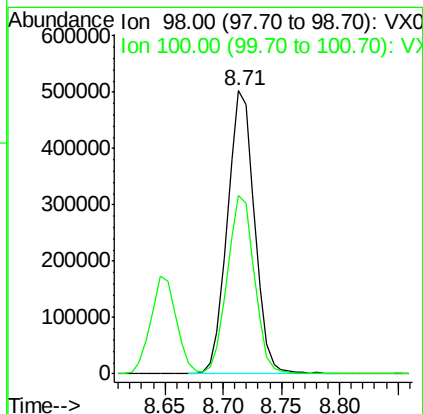
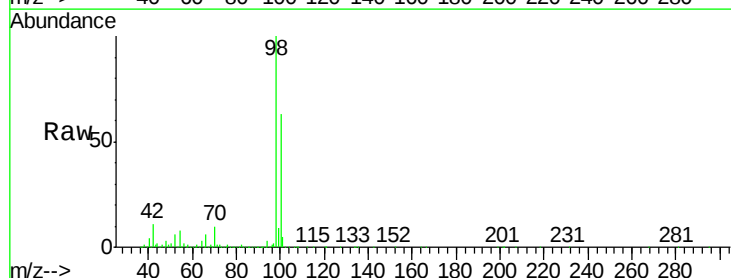
Acq: 28 Jan 2019 21:12

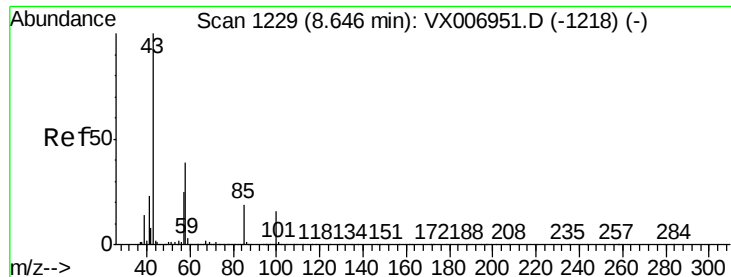
Tgt Ion: 98 Resp: 813474

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 254.953 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

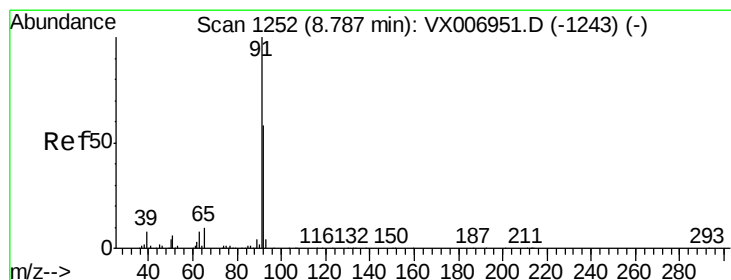
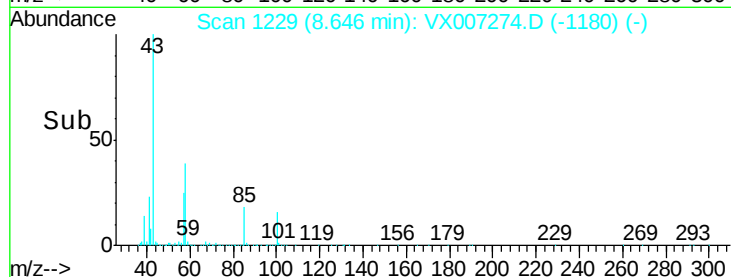
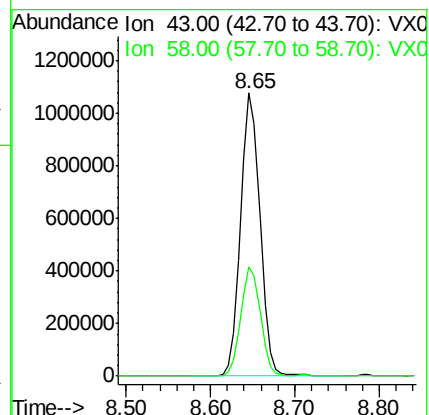
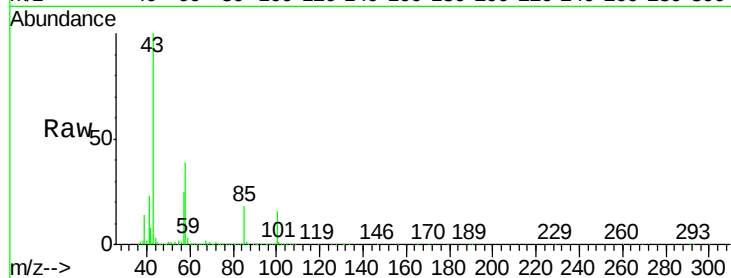
VSTDCCC050EC

Tot Ion: 43 Resp: 1665464

Ion Ratio Lower Upper

43 100

58 38.7 31.8 47.6



#52

Toluene

Concen: 46.807 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007274.D

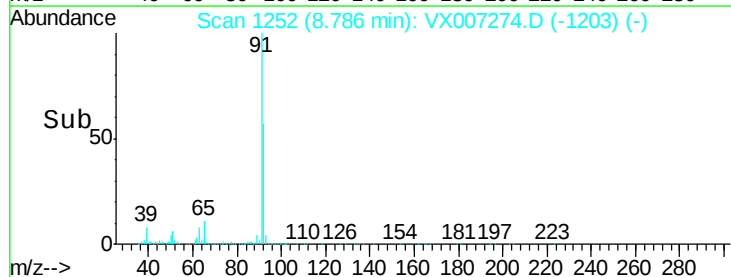
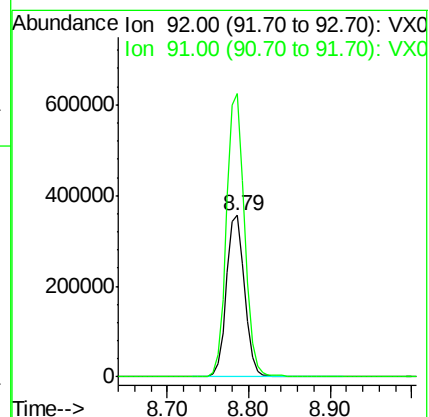
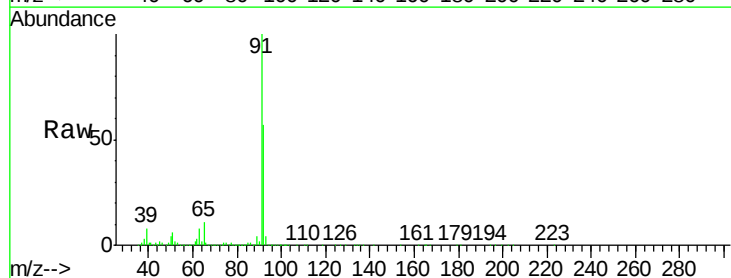
Acq: 28 Jan 2019 21:12

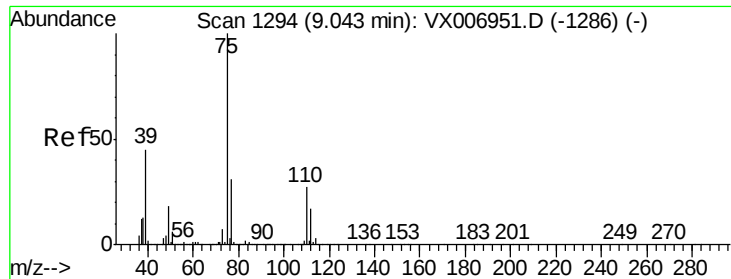
Tgt Ion: 92 Resp: 551765

Ion Ratio Lower Upper

92 100

91 174.2 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 50.495 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

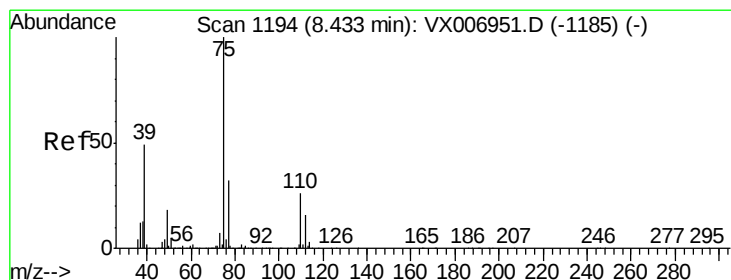
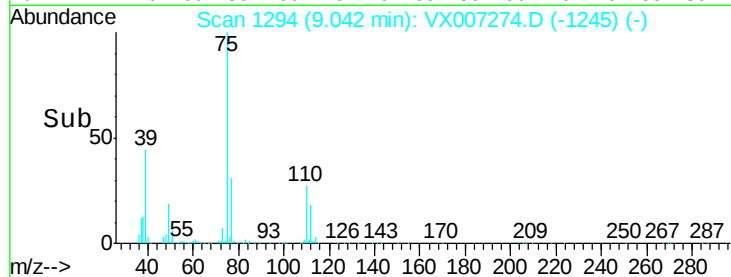
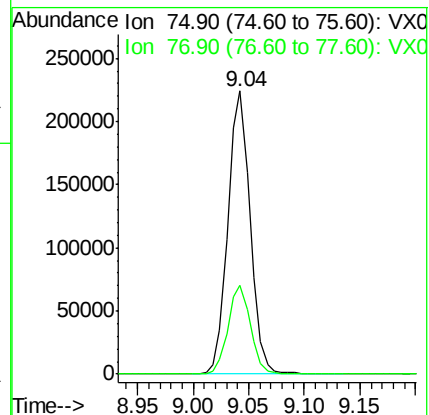
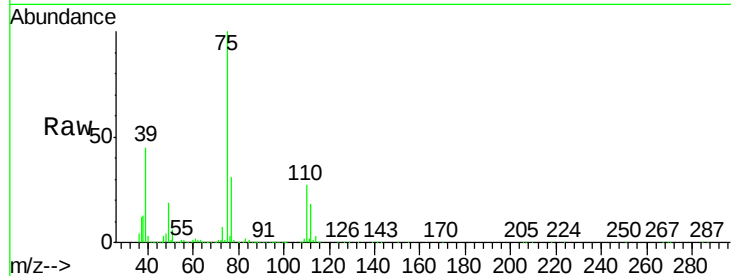
VSTDCCC050EC

Tot Ion: 75 Resp: 308846

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 50.066 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

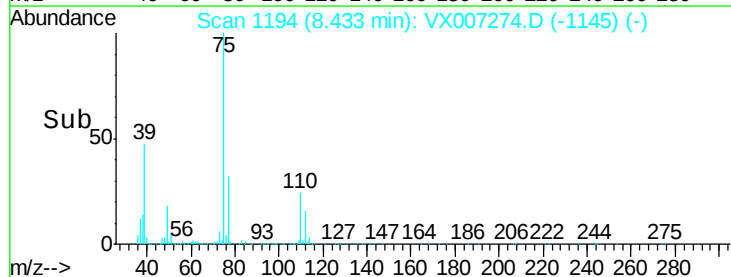
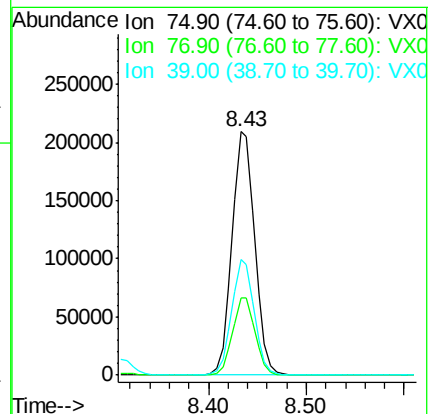
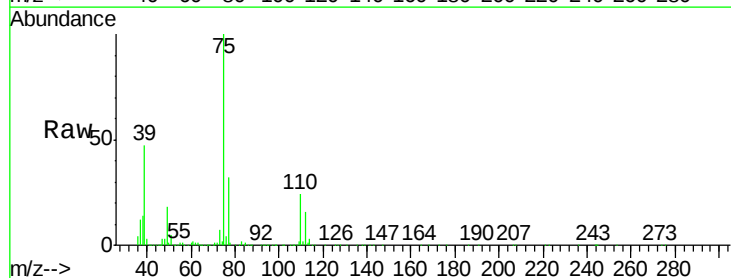
Tgt Ion: 75 Resp: 338174

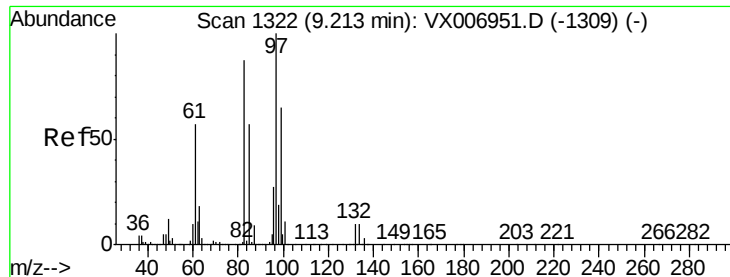
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 47.3 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 52.568 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 248035

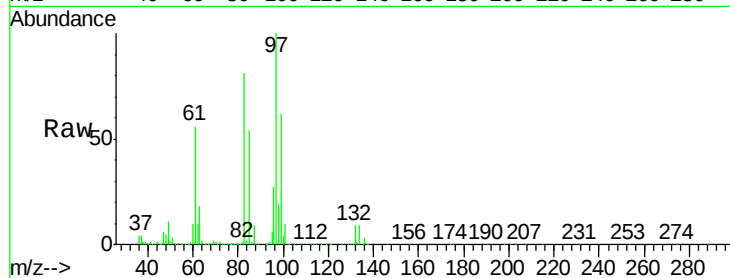
Ion Ratio Lower Upper

97 100

83 81.3 66.6 99.8

85 53.9 42.7 64.1

99 62.2 50.8 76.2

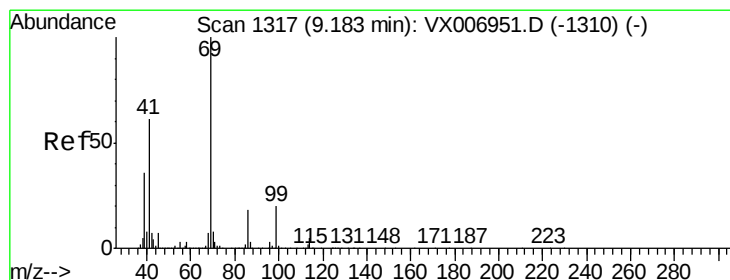
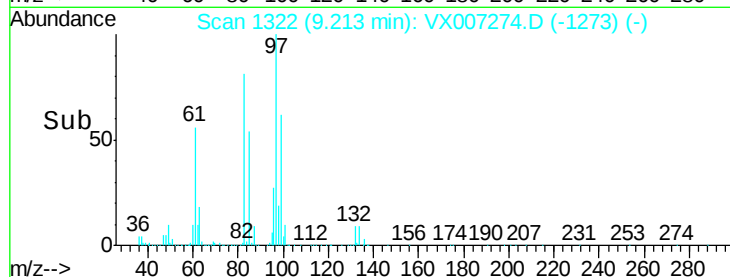
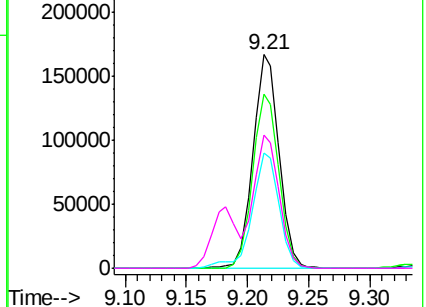


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 50.997 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

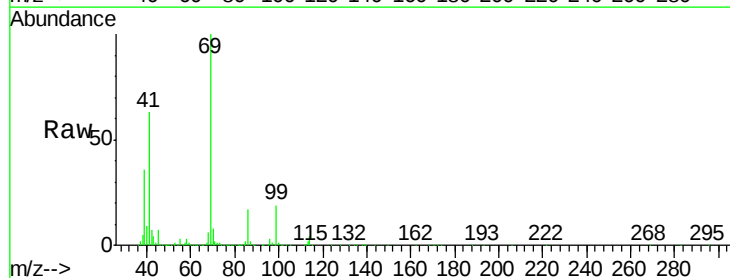
Tgt Ion: 69 Resp: 351279

Ion Ratio Lower Upper

69 100

41 63.9 48.7 73.1

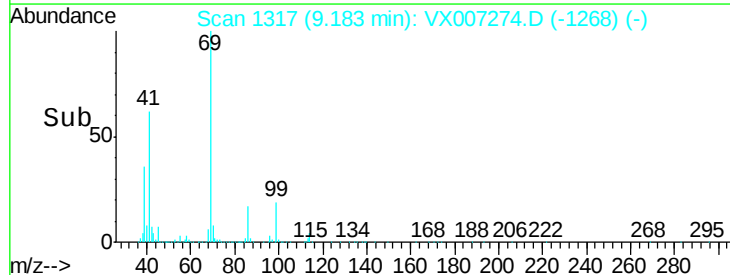
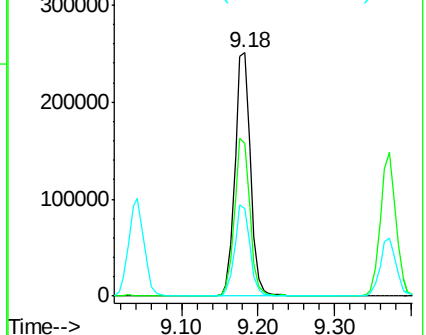
39 36.7 27.0 40.6

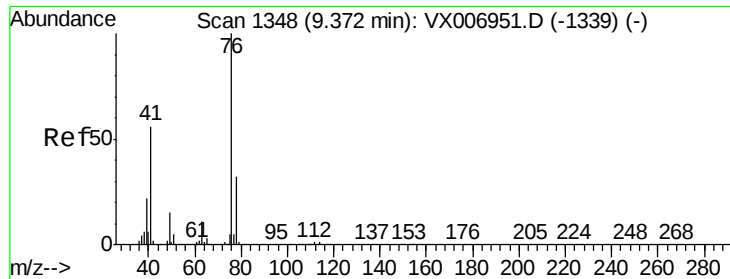


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.756 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

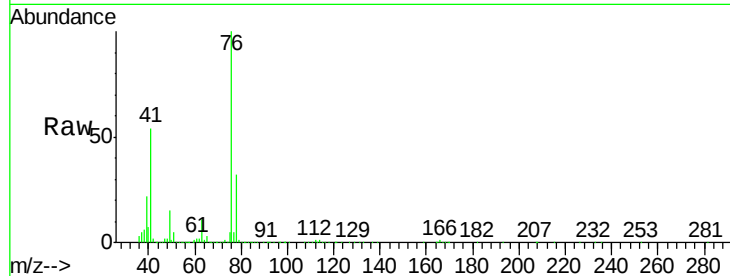
VSTDCCC050EC

Tot Ion: 76 Resp: 384616

Ion Ratio Lower Upper

76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

300000

250000

200000

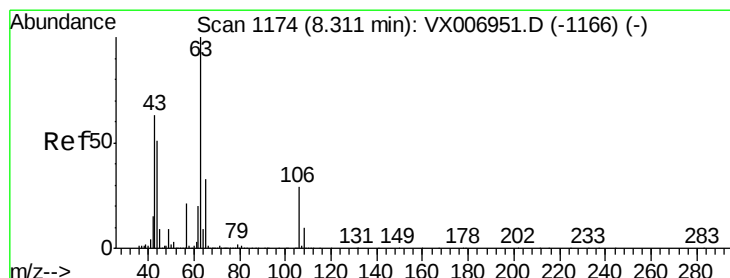
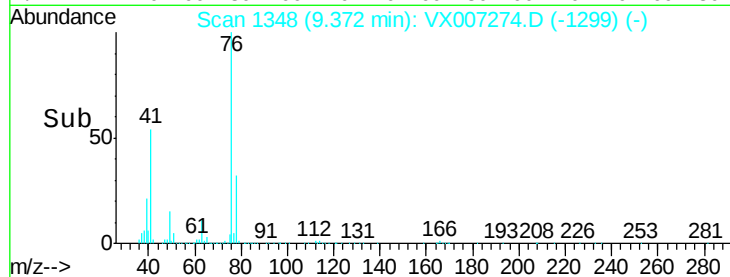
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 263.723 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007274.D

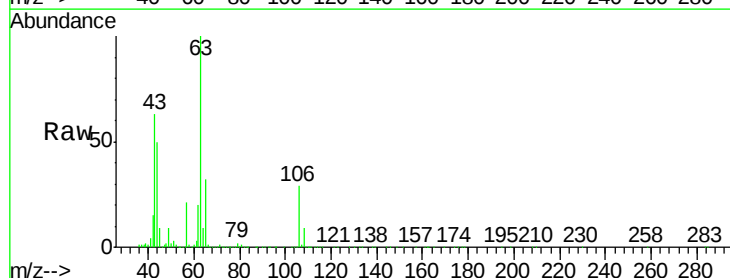
Acq: 28 Jan 2019 21:12

Tgt Ion: 63 Resp: 934006

Ion Ratio Lower Upper

63 100

106 30.1 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

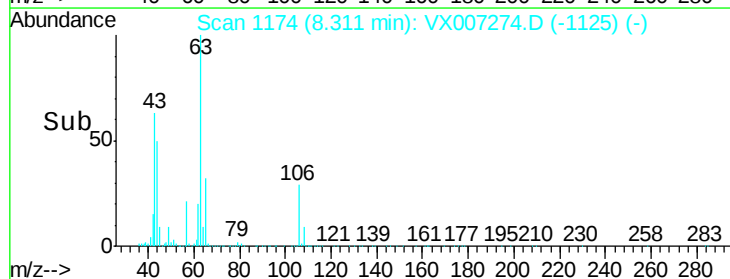
600000

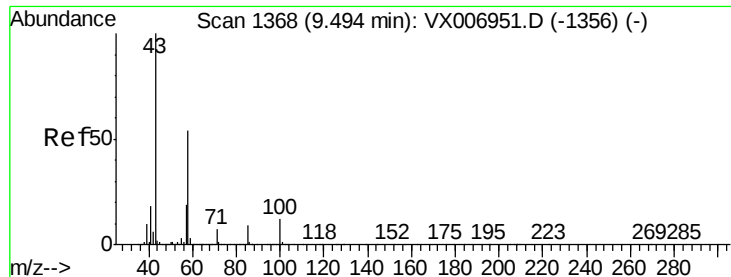
400000

200000

0

Time-->

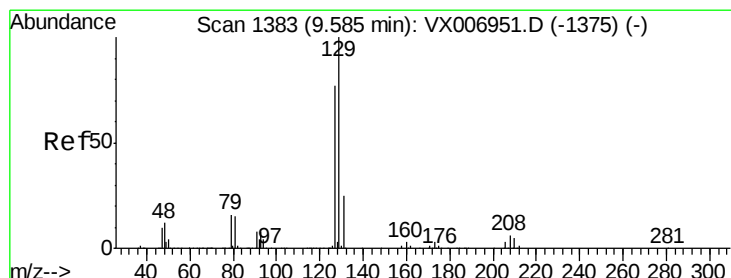
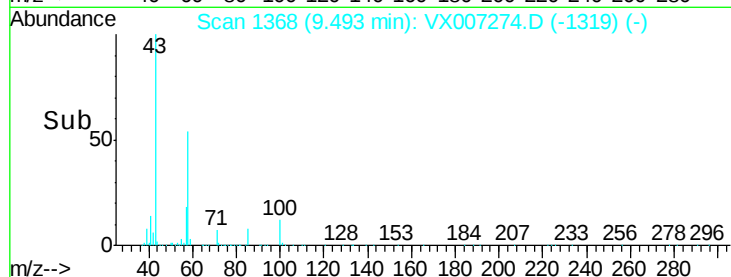
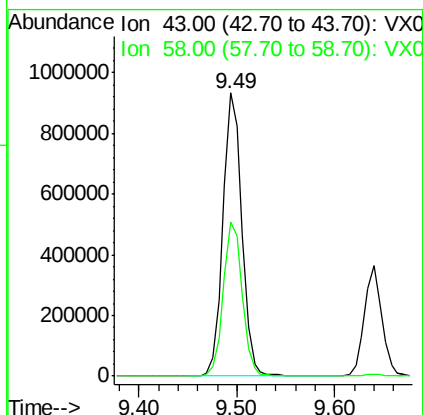
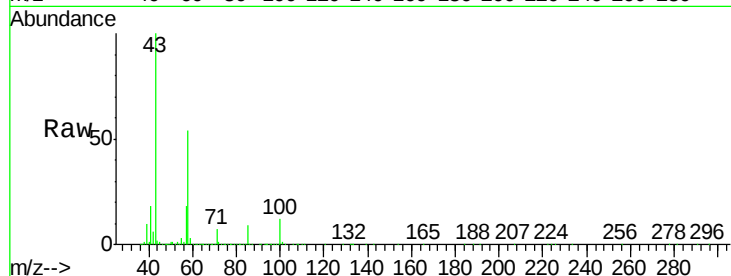




#59
2-Hexanone
Concen: 251.515 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

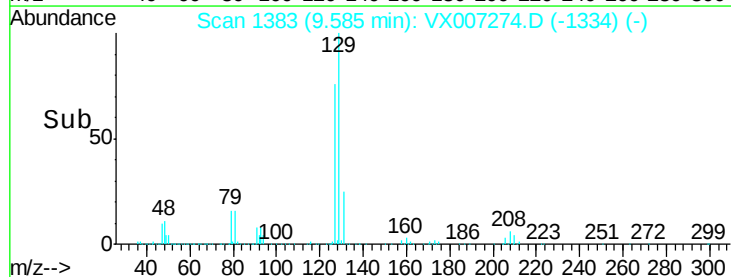
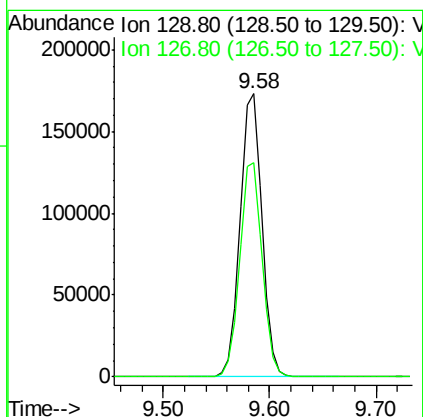
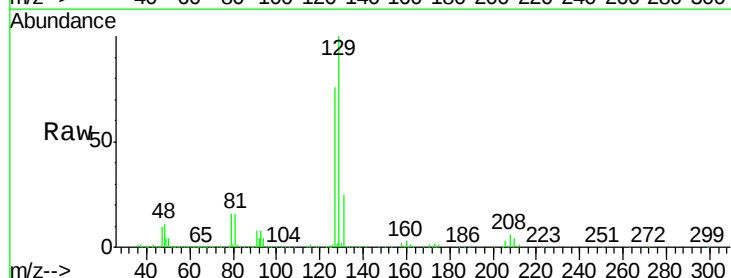
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

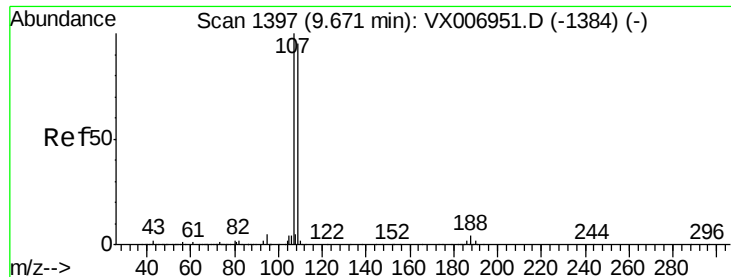
Tot Ion: 43 Resp: 1252063
Ion Ratio Lower Upper
43 100
58 54.6 27.7 83.1



#60
Dibromochloromethane
Concen: 54.738 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 129 Resp: 250792
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 49.589 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

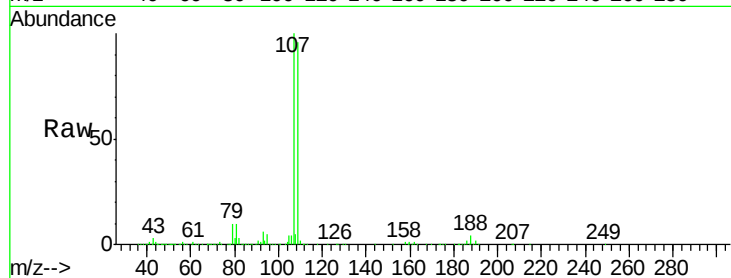
VSTDCCC050EC

Tot Ion:107 Resp: 257587

Ion Ratio Lower Upper

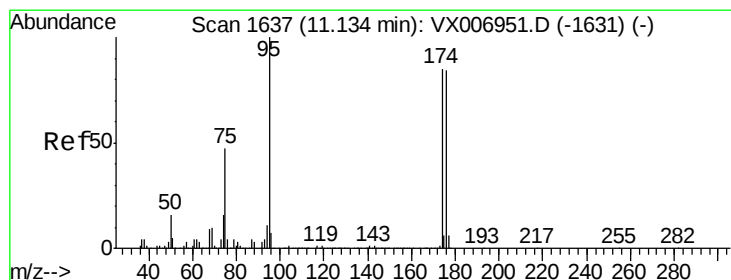
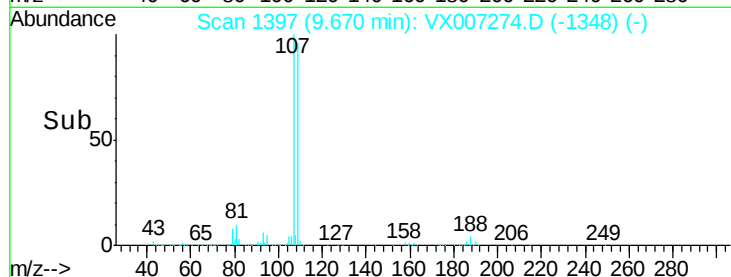
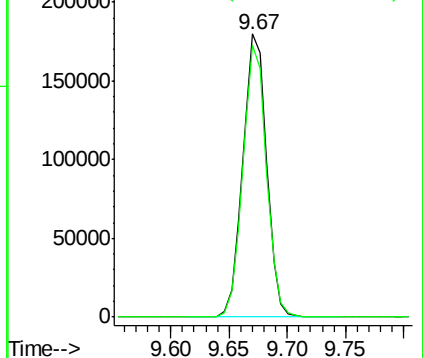
107 100

109 95.1 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.464 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

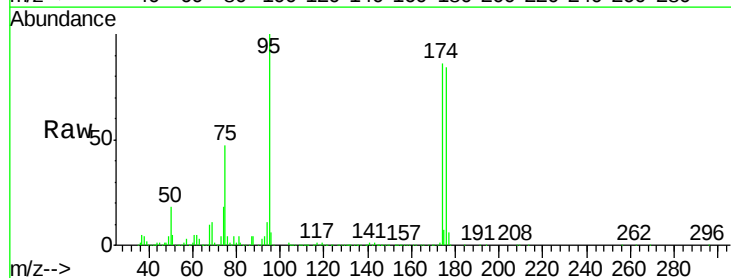
Tgt Ion: 95 Resp: 290757

Ion Ratio Lower Upper

95 100

174 94.2 0.0 182.2

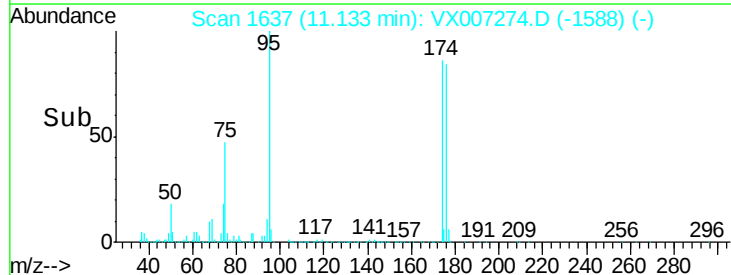
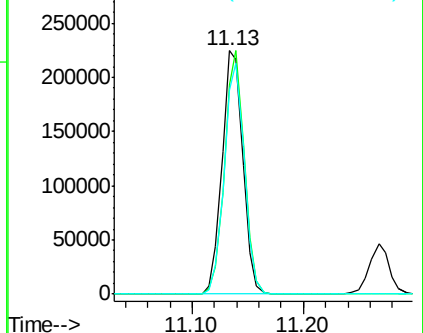
176 91.6 0.0 178.8

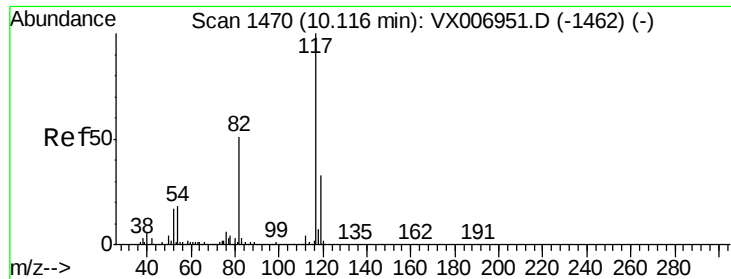


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

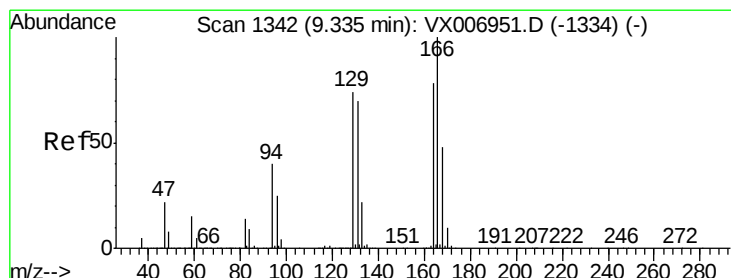
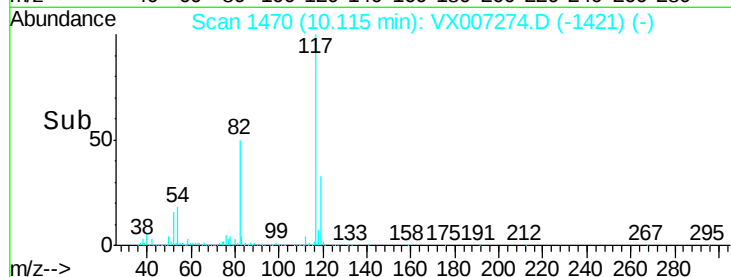
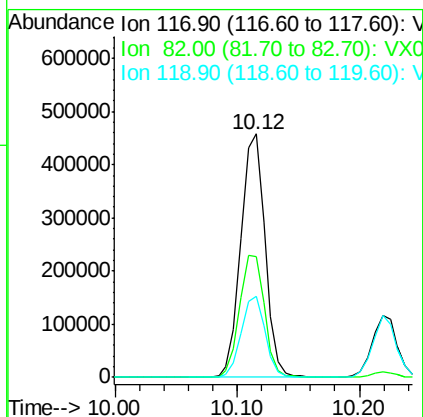
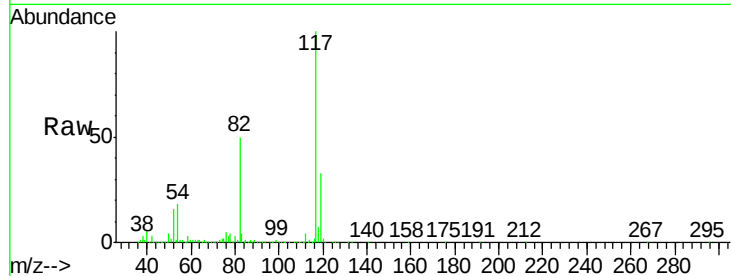




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

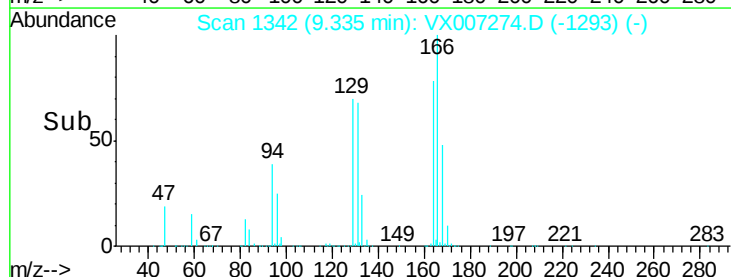
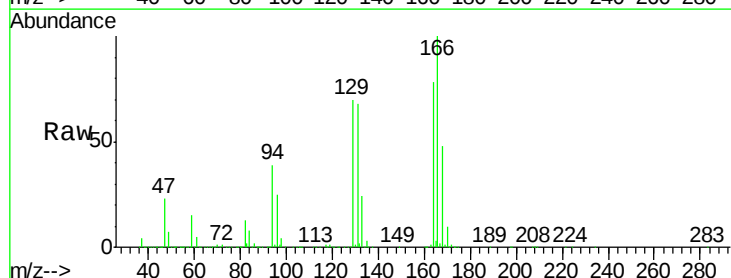
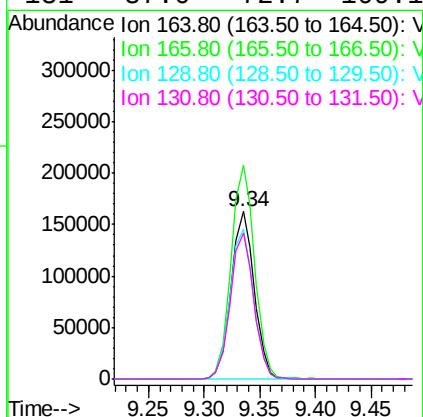
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

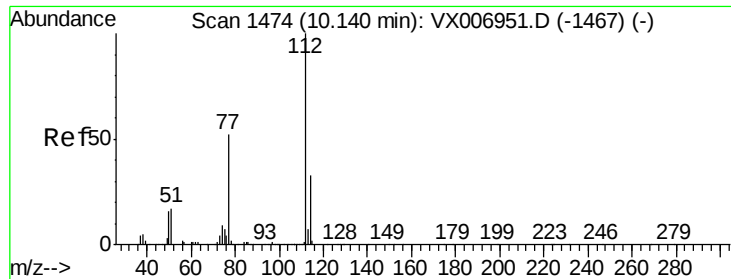
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.0	61.6
119	33.0	25.4	38.0



#64
Tetrachloroethene
Concen: 43.106 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.5	153.7
129	89.8	75.1	112.7
131	87.0	72.7	109.1





#65

Chlorobenzene

Concen: 47.144 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

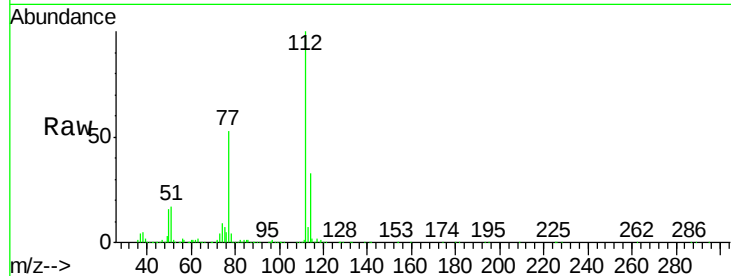
VSTDCCC050EC

Tot Ion:112 Resp: 646930

Ion Ratio Lower Upper

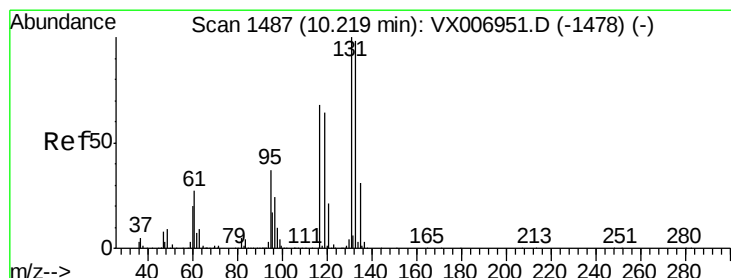
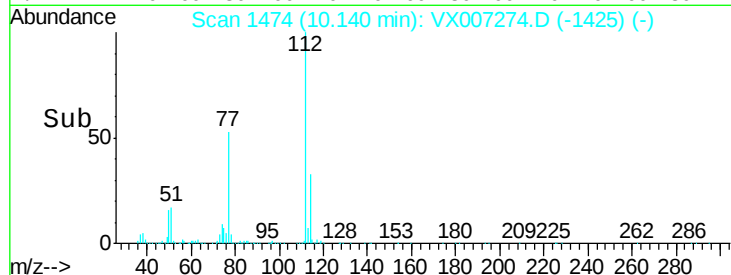
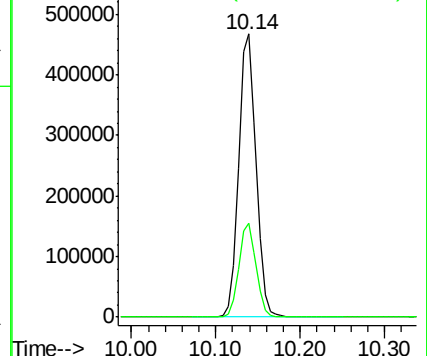
112 100

114 33.2 25.7 38.5



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: 52.442 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

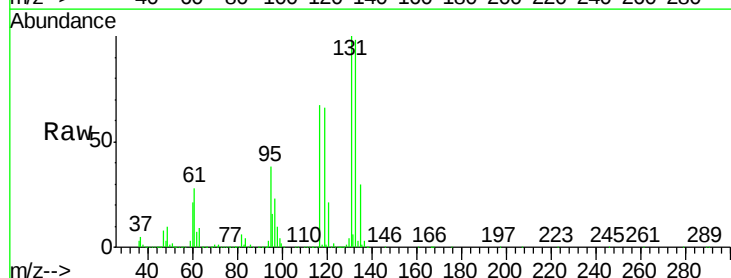
Tgt Ion:131 Resp: 242087

Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.2

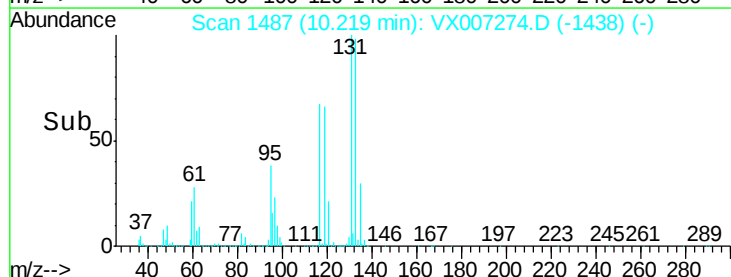
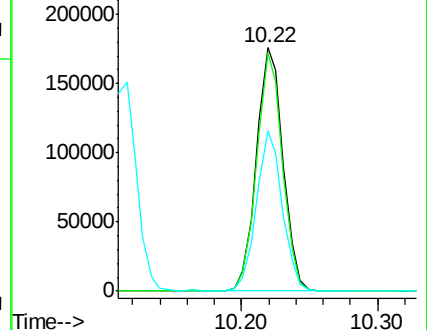
119 64.0 32.6 97.8

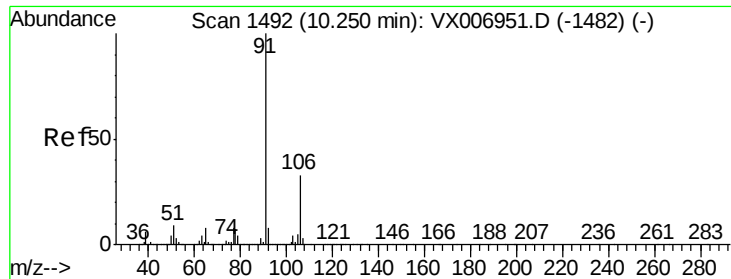


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.567 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

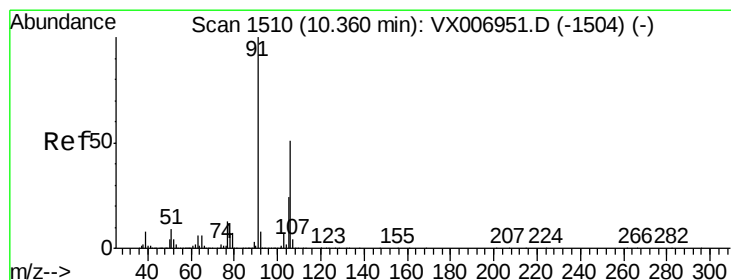
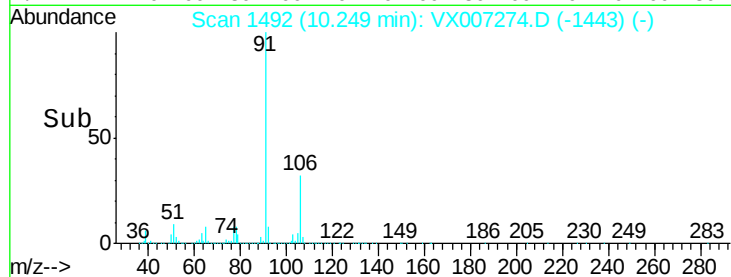
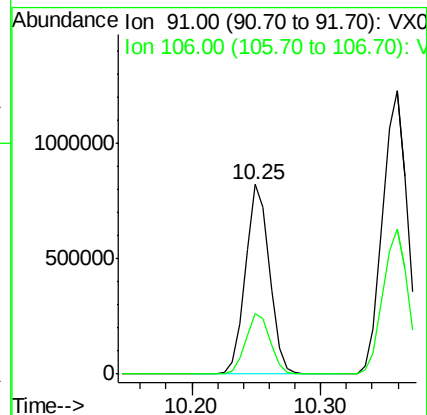
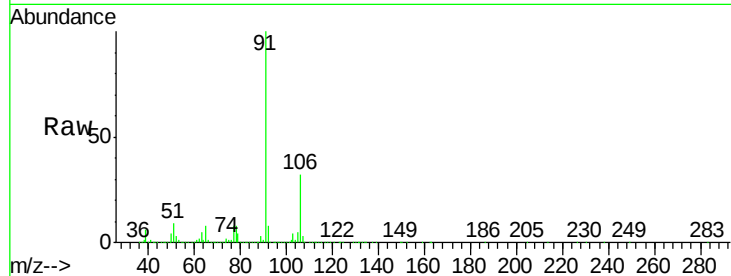
VSTDCCC050EC

Tot Ion: 91 Resp: 1054943

Ion Ratio Lower Upper

91 100

106 32.1 26.4 39.6



#68

m/p-Xylenes

Concen: 93.661 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007274.D

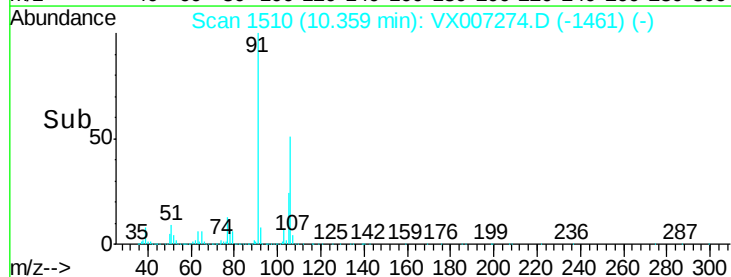
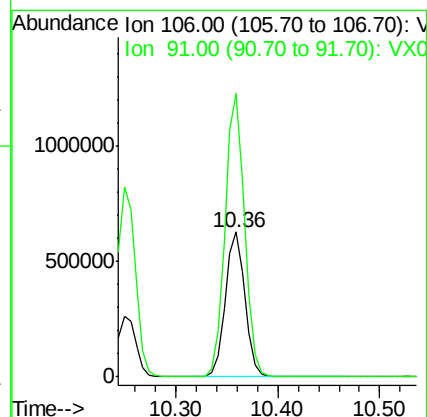
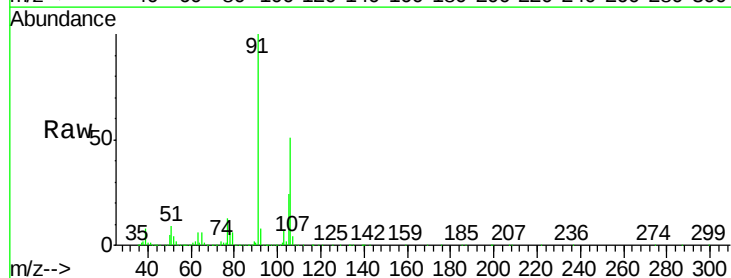
Acq: 28 Jan 2019 21:12

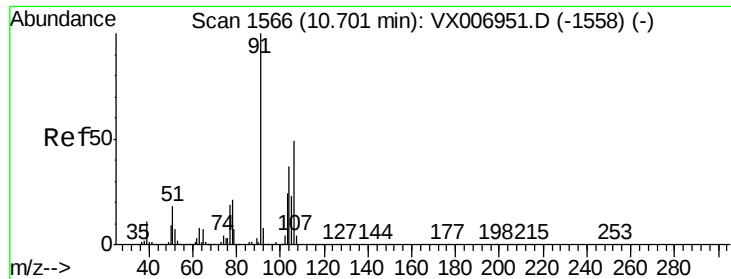
Tgt Ion: 106 Resp: 835961

Ion Ratio Lower Upper

106 100

91 195.7 155.8 233.6

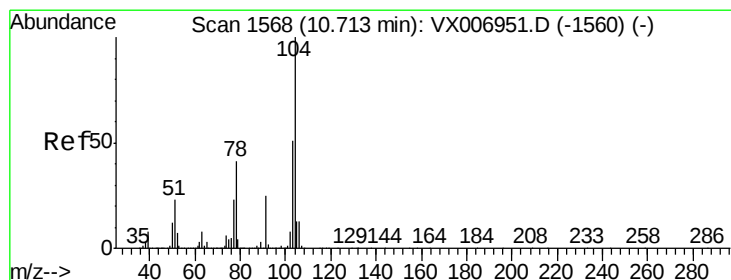
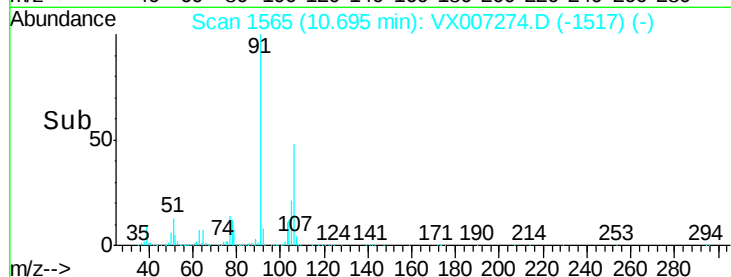
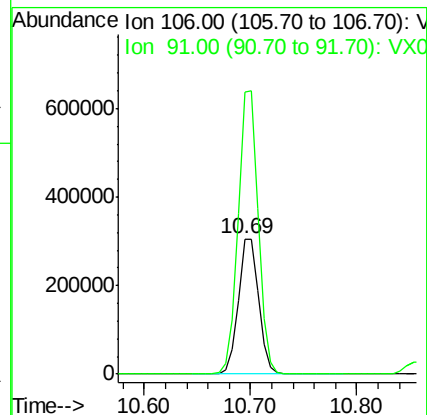
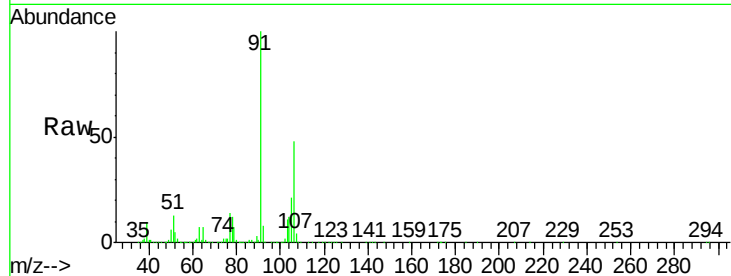




#69
o-Xylene
Concen: 47.087 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

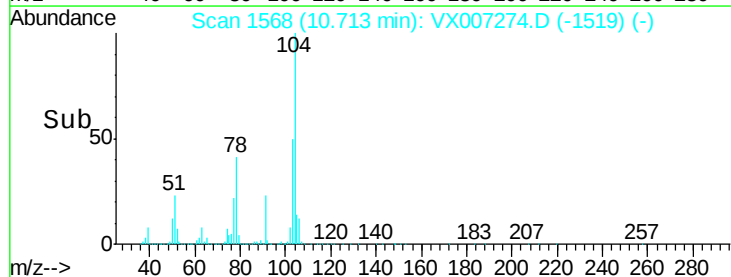
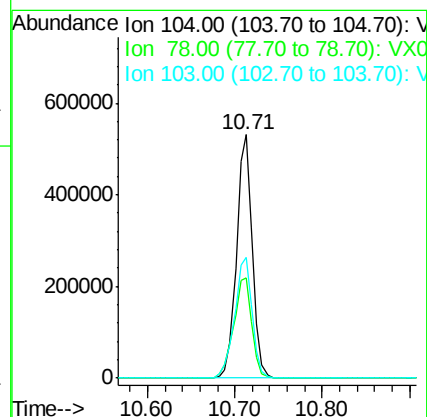
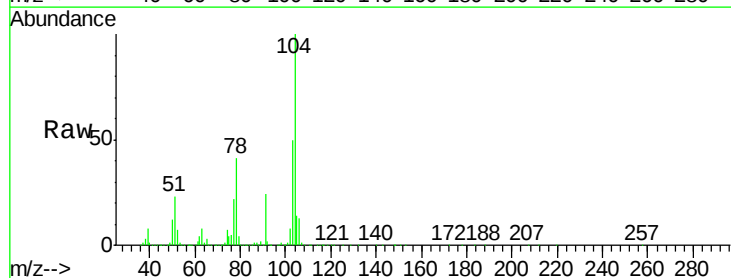
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

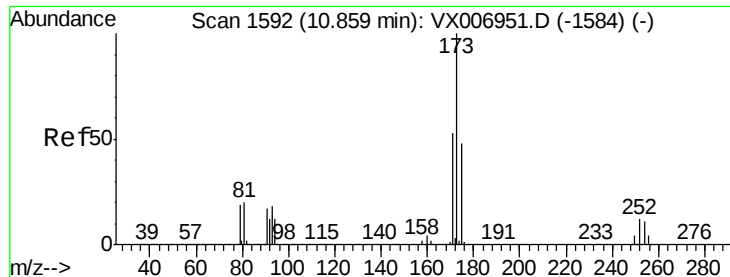
Tot Ion:106 Resp: 409866
Ion Ratio Lower Upper
106 100
91 207.2 101.3 303.7



#70
Styrene
Concen: 48.646 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion:104 Resp: 670644
Ion Ratio Lower Upper
104 100
78 47.5 37.7 56.5
103 55.5 43.8 65.8





#71

Bromoform

Concen: 45.947 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

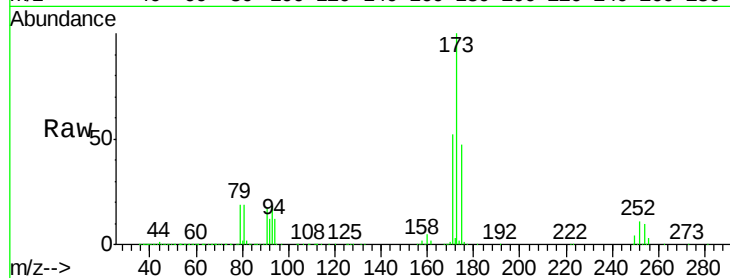
Tot Ion:173 Resp: 188012

Ion Ratio Lower Upper

173 100

175 47.8 24.7 74.1

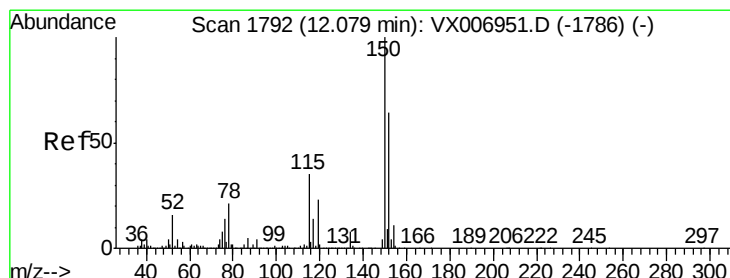
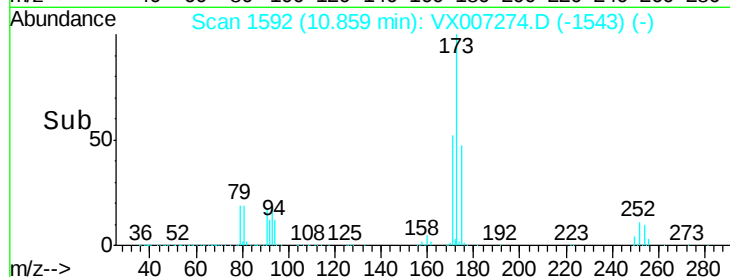
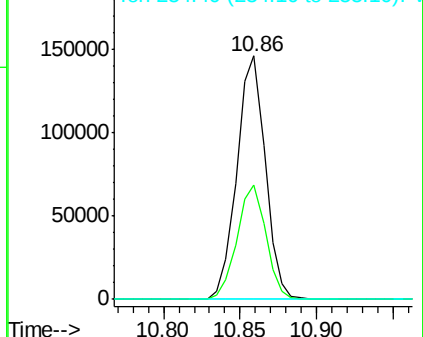
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

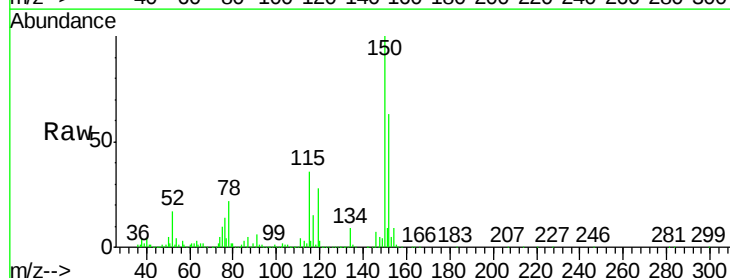
Tgt Ion:152 Resp: 326193

Ion Ratio Lower Upper

152 100

115 77.1 39.1 117.2

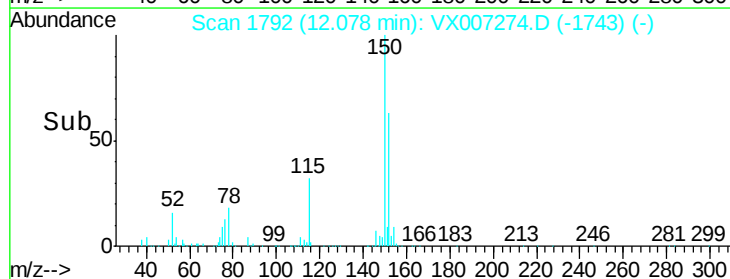
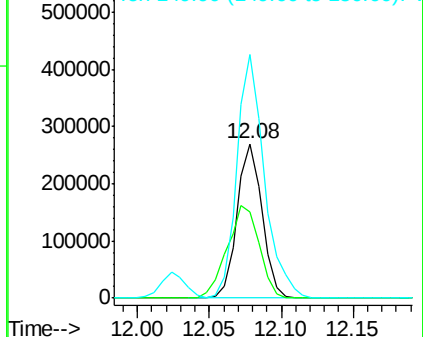
150 173.1 0.0 344.8

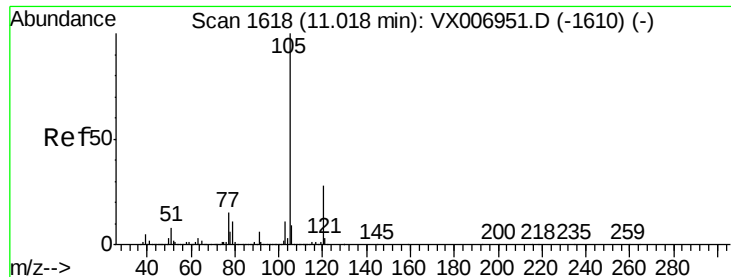


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.661 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

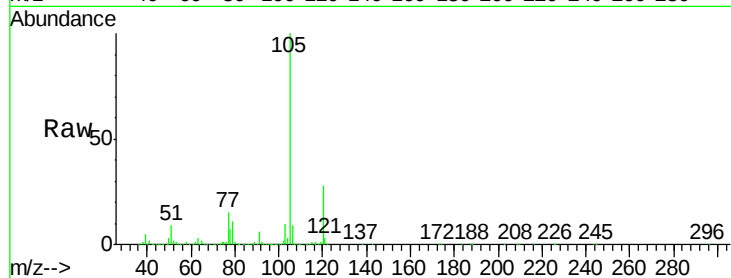
VSTDCCC050EC

Tot Ion:105 Resp: 1096267

Ion Ratio Lower Upper

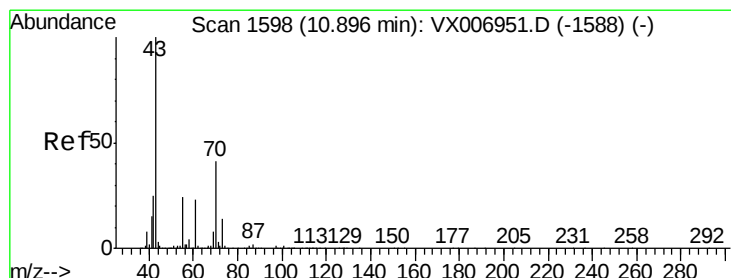
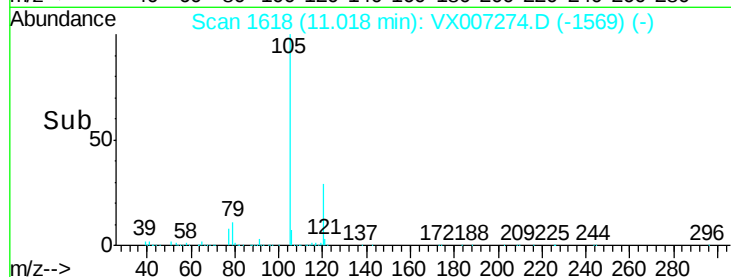
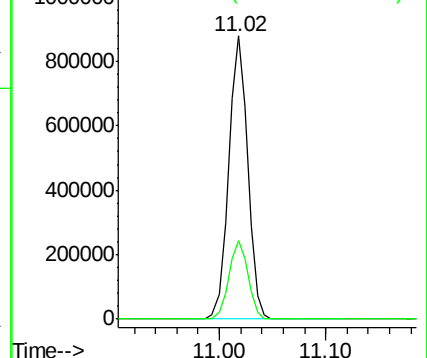
105 100

120 27.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.105 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion: 43 Resp: 454754

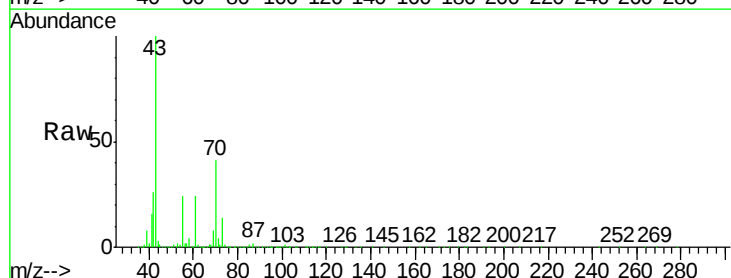
Ion Ratio Lower Upper

43 100

70 42.6 35.8 53.8

55 24.2 19.4 29.0

61 24.4 20.1 30.1

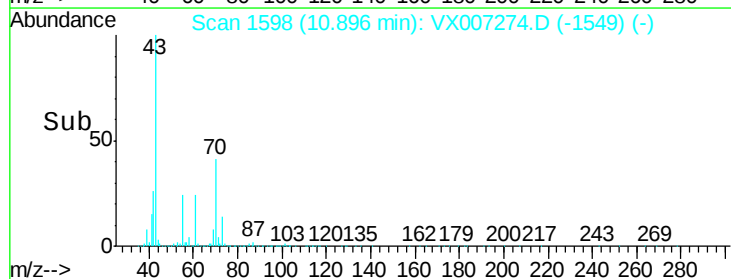
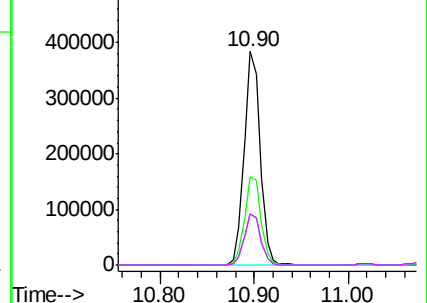


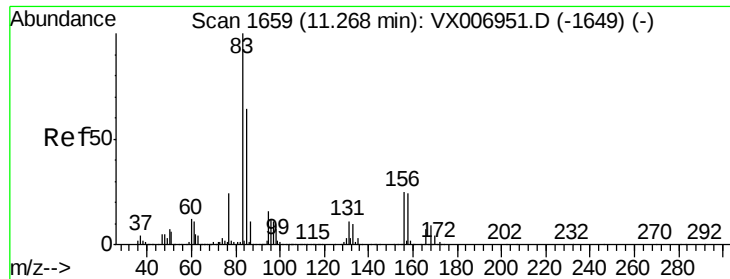
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.854 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

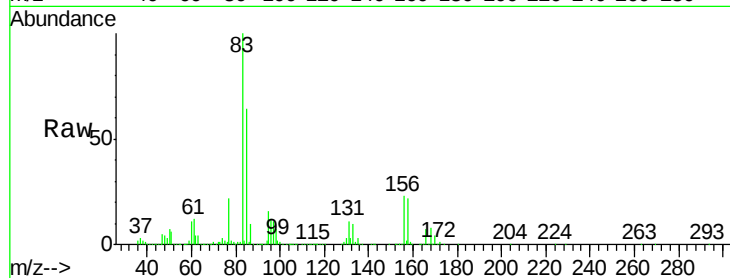
Tot Ion: 83 Resp: 356734

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

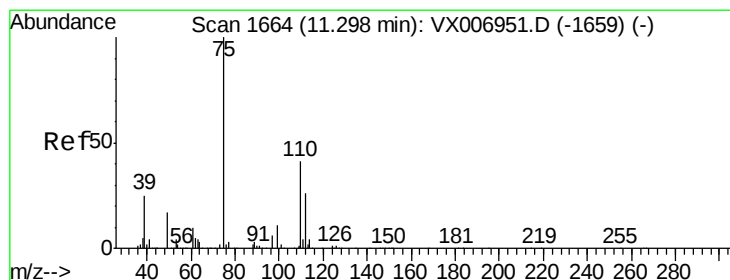
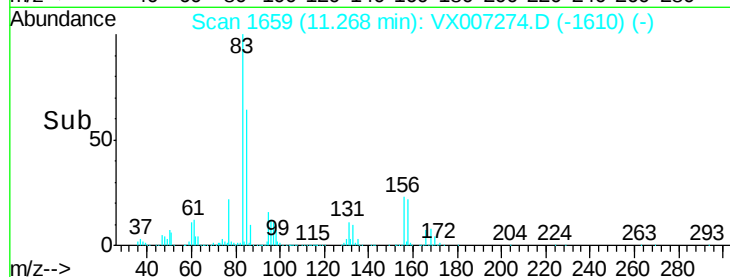
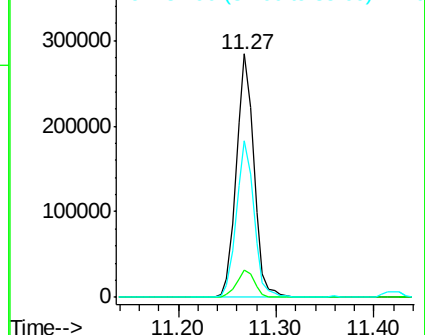
85 64.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 60.842 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007274.D

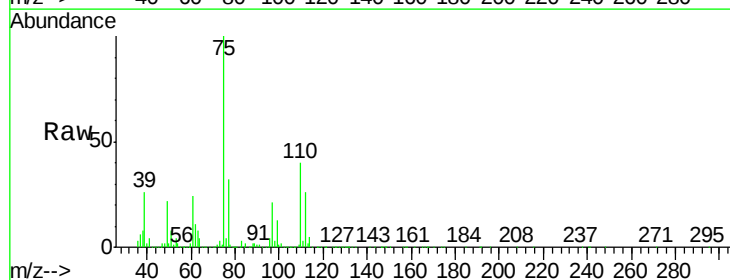
Acq: 28 Jan 2019 21:12

Tgt Ion: 75 Resp: 402174

Ion Ratio Lower Upper

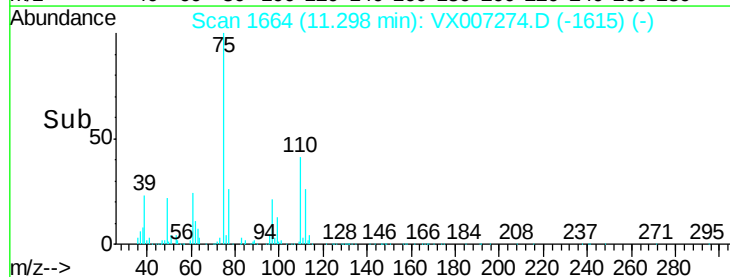
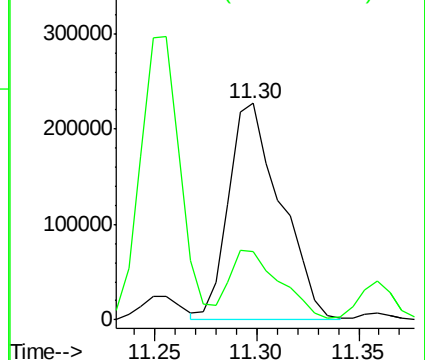
75 100

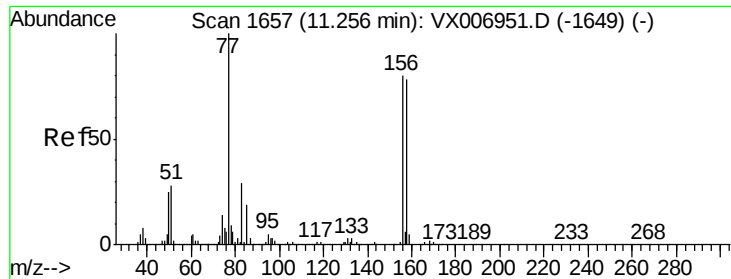
77 30.9 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.740 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

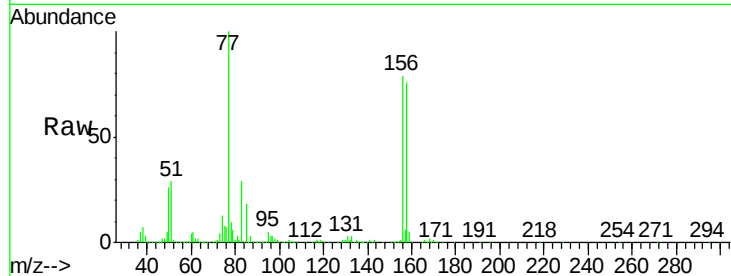
Tot Ion:156 Resp: 296221

Ion Ratio Lower Upper

156 100

77 135.5 68.0 204.0

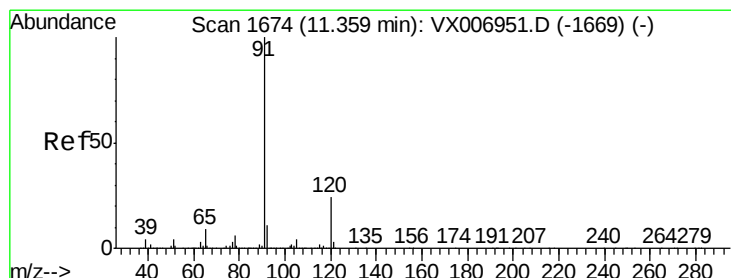
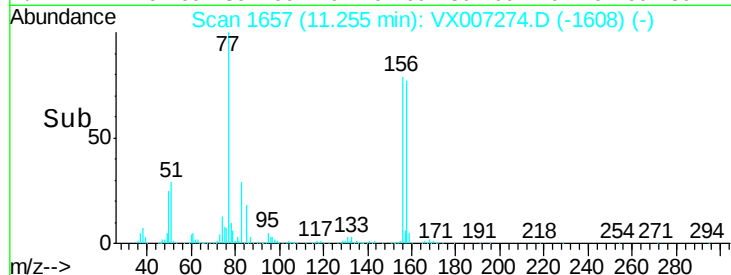
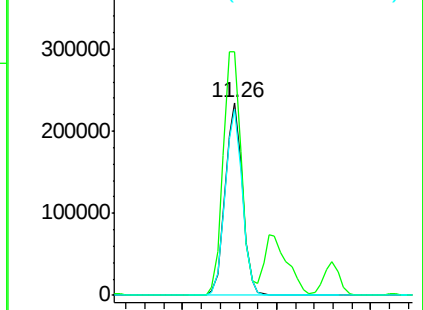
158 96.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.489 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007274.D

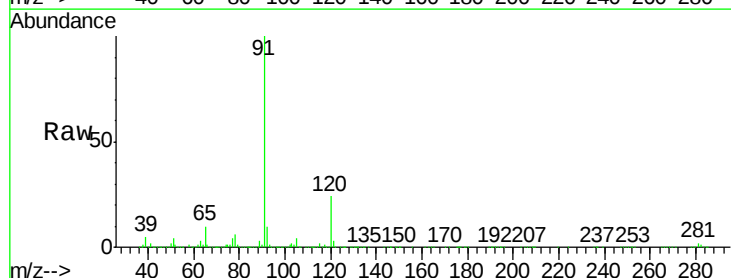
Acq: 28 Jan 2019 21:12

Tgt Ion: 91 Resp: 1224357

Ion Ratio Lower Upper

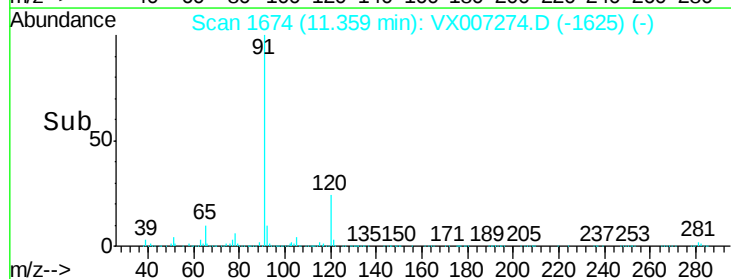
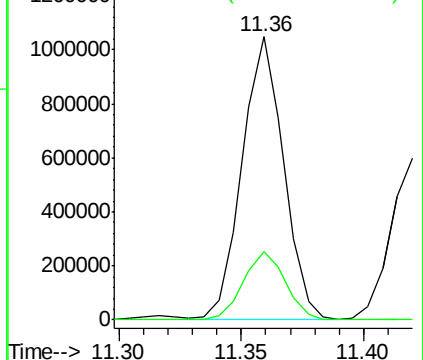
91 100

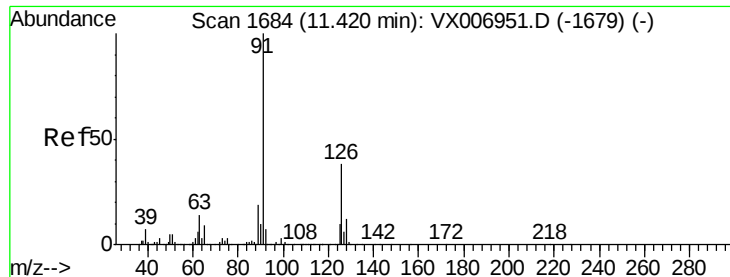
120 24.7 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.572 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

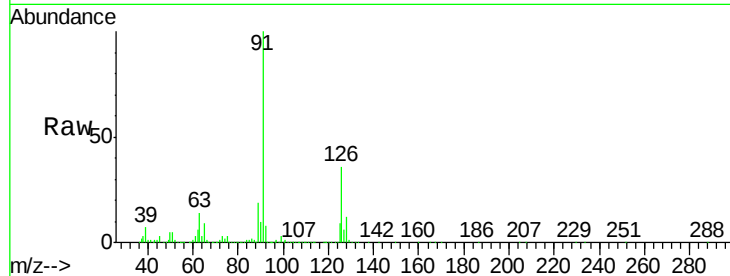
VSTDCCC050EC

Tot Ion: 91 Resp: 723087

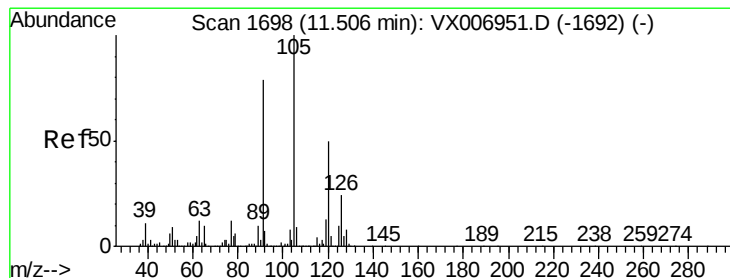
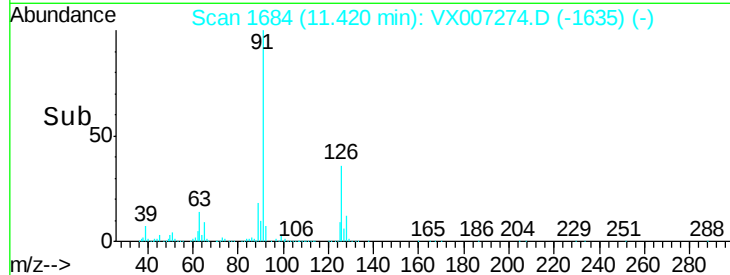
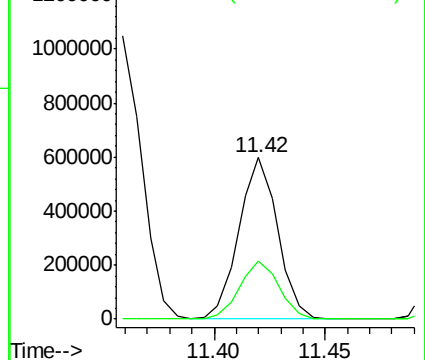
Ion Ratio Lower Upper

91 100

126 36.5 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.394 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007274.D

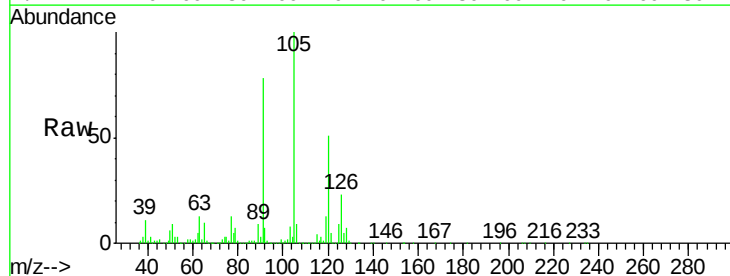
Acq: 28 Jan 2019 21:12

Tgt Ion: 105 Resp: 891655

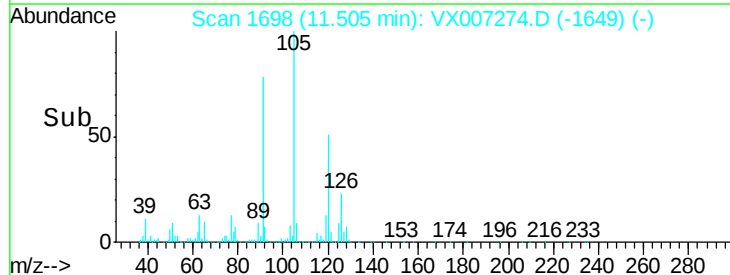
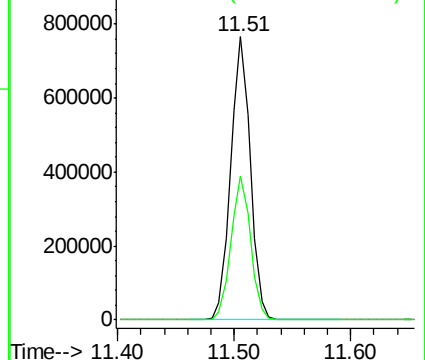
Ion Ratio Lower Upper

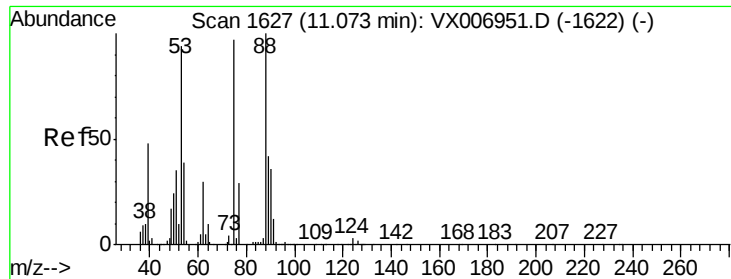
105 100

120 50.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.038 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

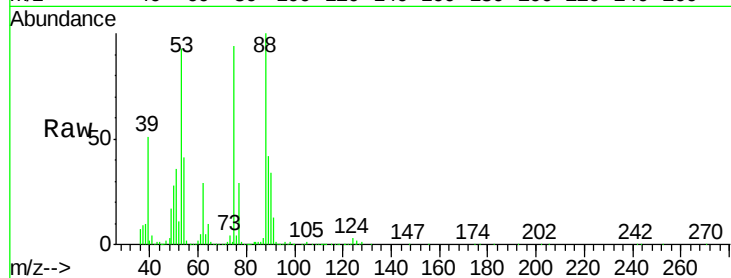
Tot Ion: 75 Resp: 95389

Ion Ratio Lower Upper

75 100

53 100.5 79.7 119.5

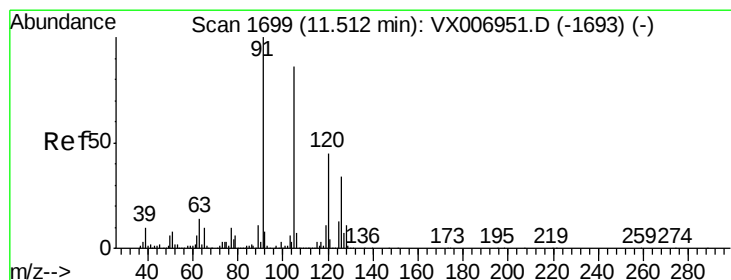
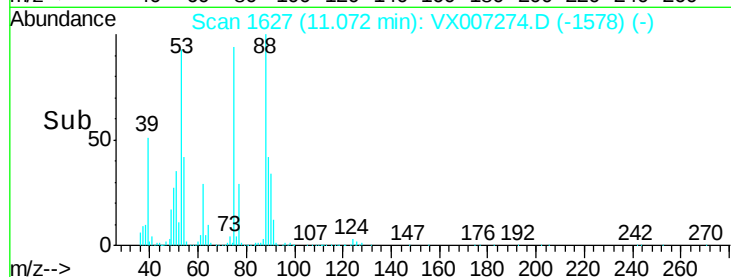
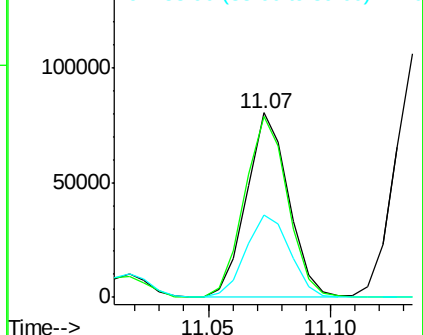
89 47.4 38.0 57.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 47.305 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007274.D

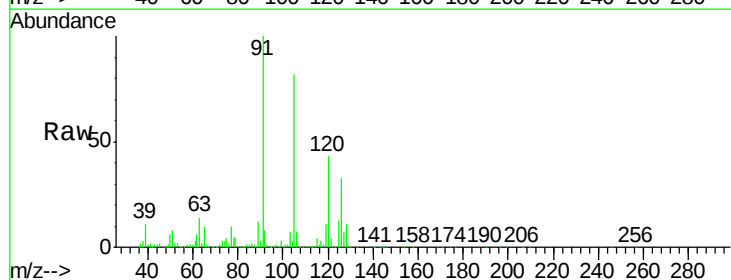
Acq: 28 Jan 2019 21:12

Tgt Ion: 91 Resp: 832508

Ion Ratio Lower Upper

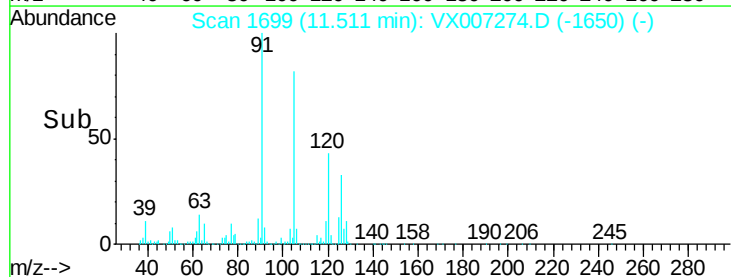
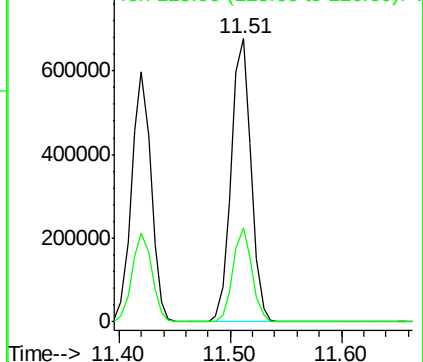
91 100

126 32.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.405 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

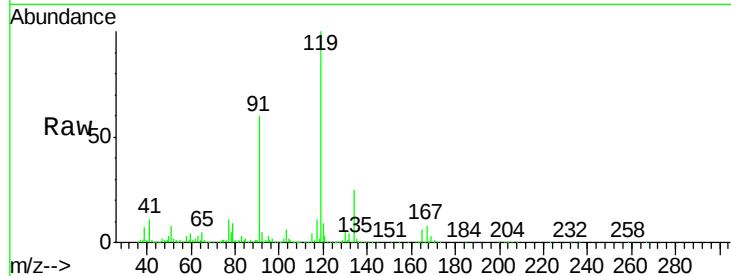
Tot Ion:119 Resp: 928198

Ion Ratio Lower Upper

119 100

91 54.4 27.7 83.1

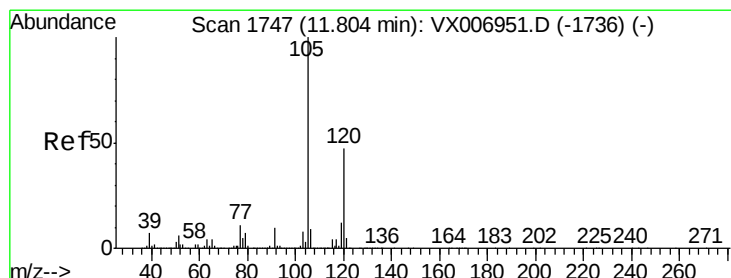
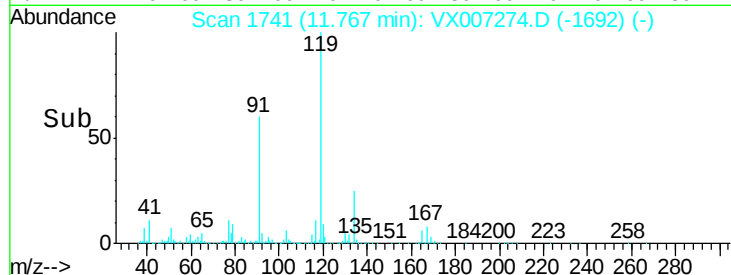
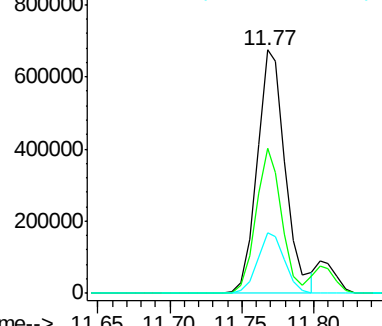
134 23.7 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.871 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007274.D

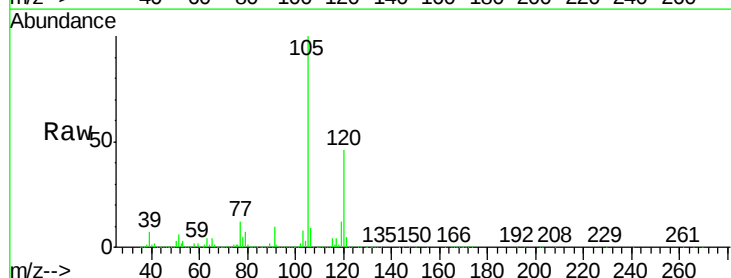
Acq: 28 Jan 2019 21:12

Tgt Ion:105 Resp: 925181

Ion Ratio Lower Upper

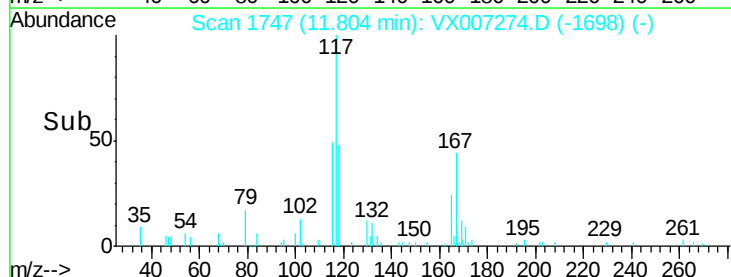
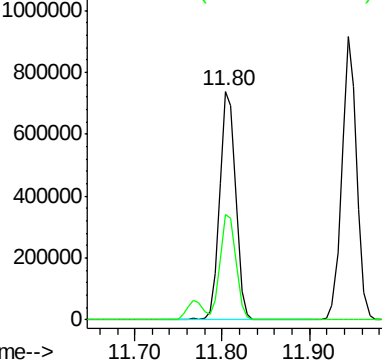
105 100

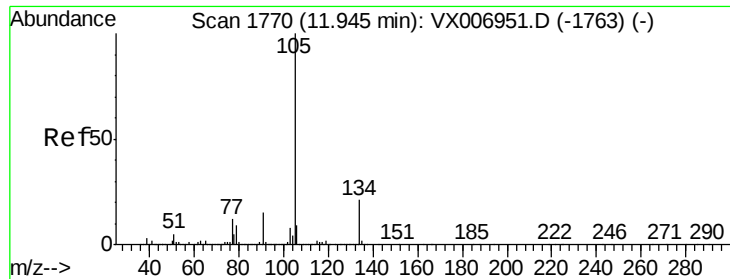
120 45.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.713 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

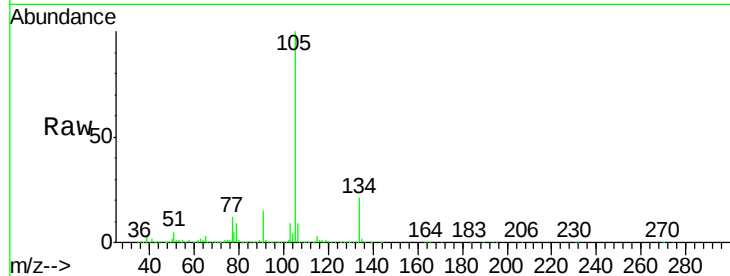
VSTDCCC050EC

Tot Ion:105 Resp: 1092656

Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

800000

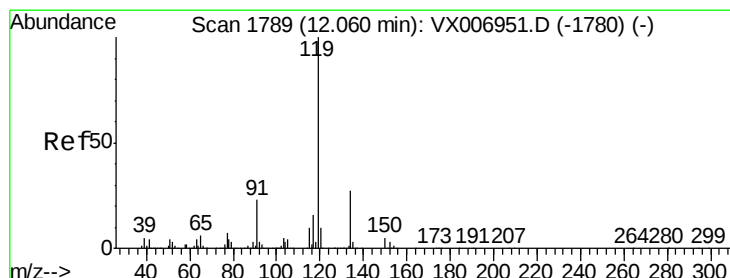
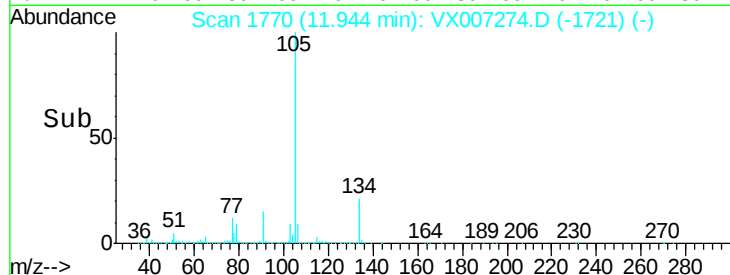
600000

400000

200000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 47.829 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

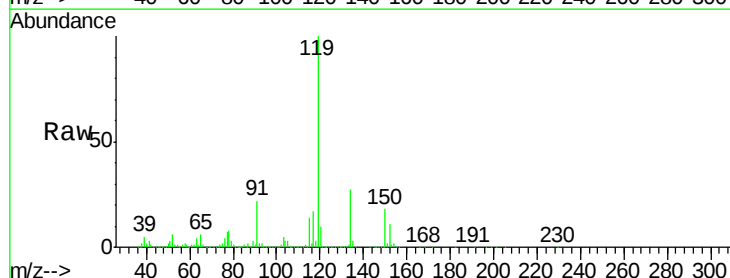
Tgt Ion:119 Resp: 979725

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

91 22.4 11.3 33.9



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): V

12.07

800000

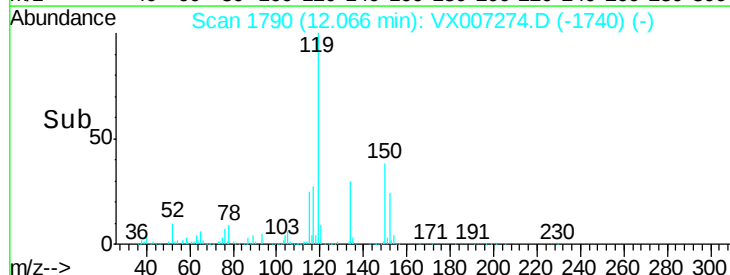
600000

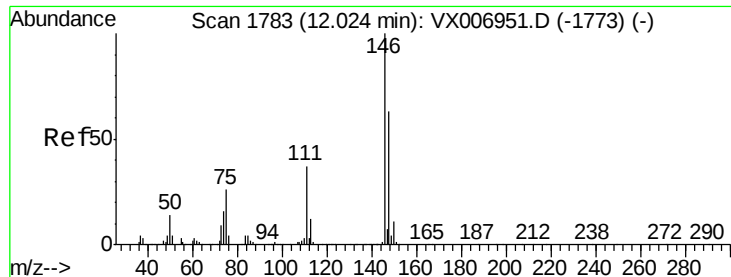
400000

200000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 46.089 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

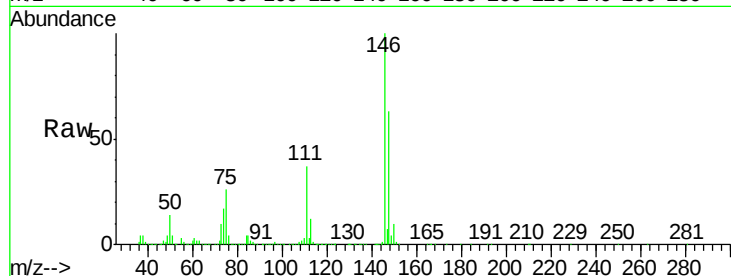
Tot Ion:146 Resp: 527964

Ion Ratio Lower Upper

146 100

111 36.6 18.6 55.8

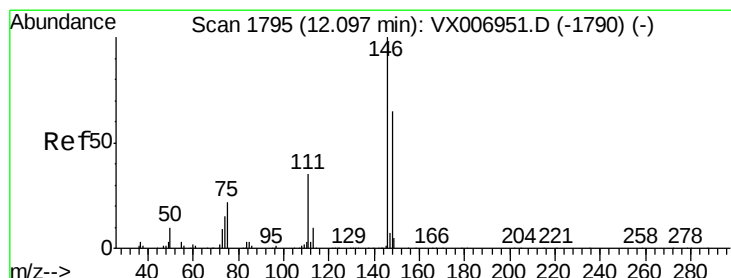
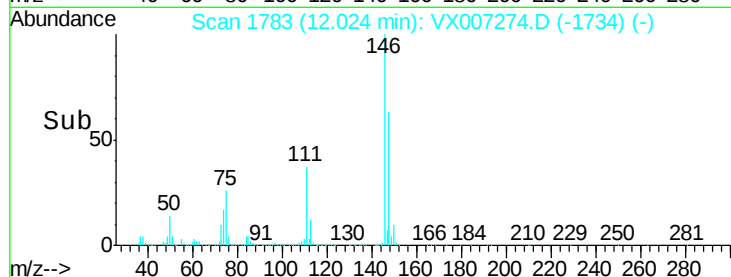
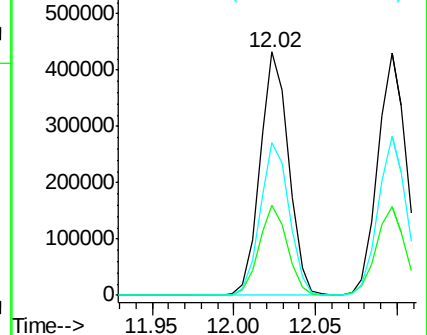
148 63.6 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.449 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

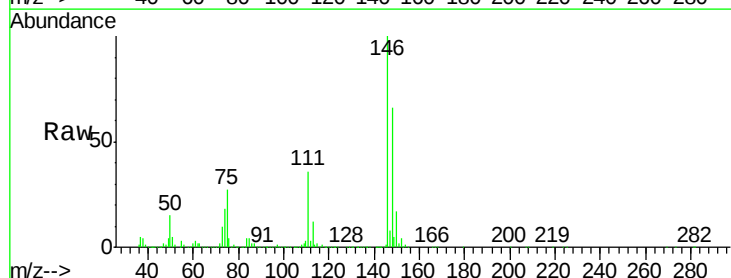
Tgt Ion:146 Resp: 525795

Ion Ratio Lower Upper

146 100

111 36.8 18.1 54.1

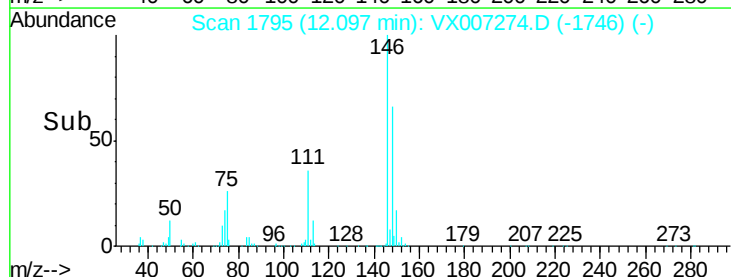
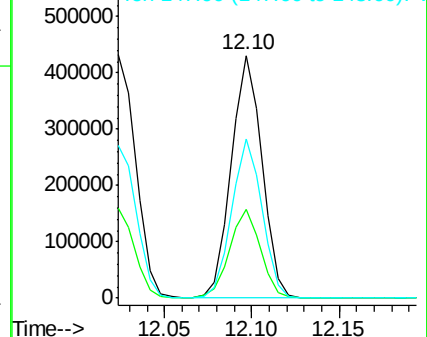
148 65.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

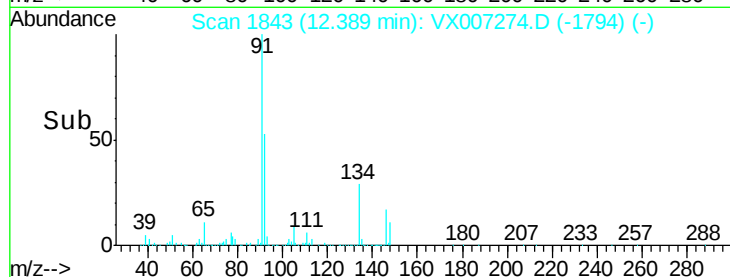
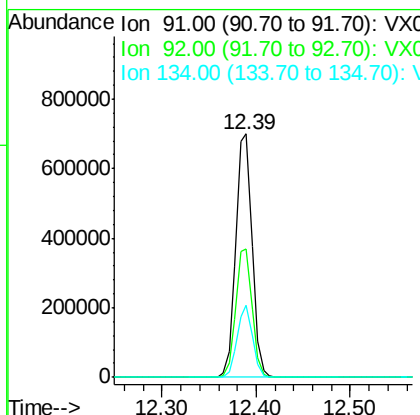
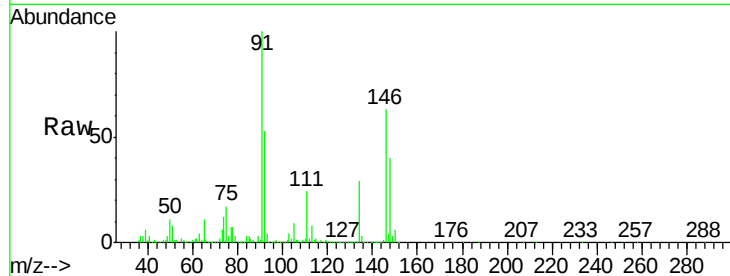




#89
n-Butylbenzene
Concen: 47.952 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

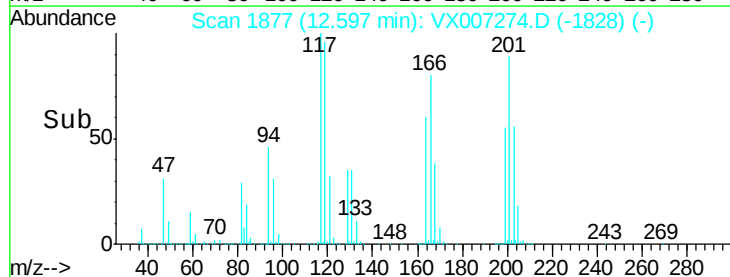
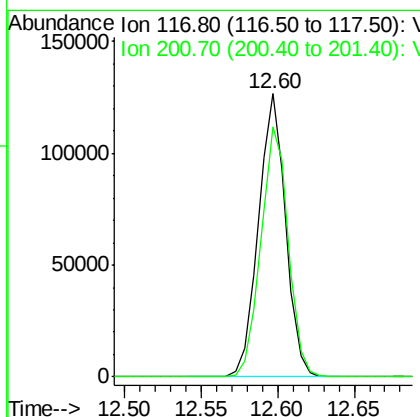
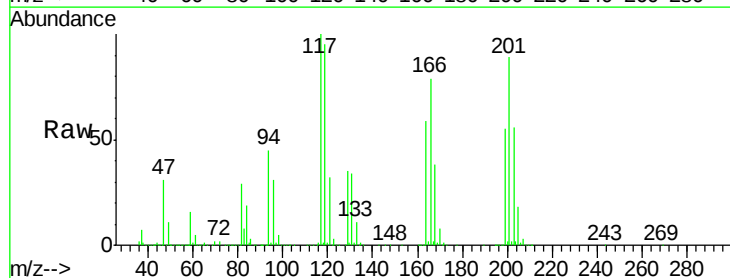
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

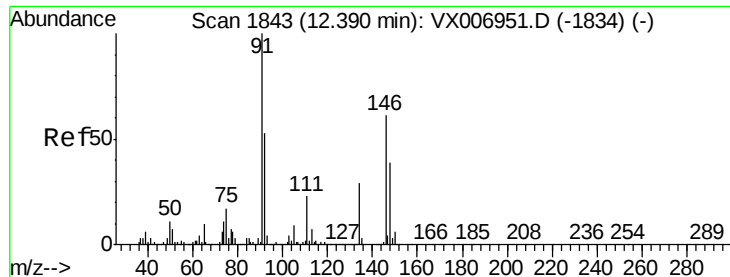
Tot Ion: 91 Resp: 837333
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.4
134 27.9 14.4 43.2



#90
Hexachloroethane
Concen: 48.004 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 117 Resp: 156578
Ion Ratio Lower Upper
117 100
201 89.5 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 46.840 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

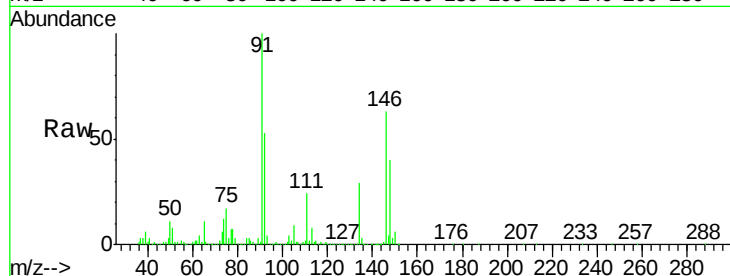
Tot Ion:146 Resp: 529515

Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.2

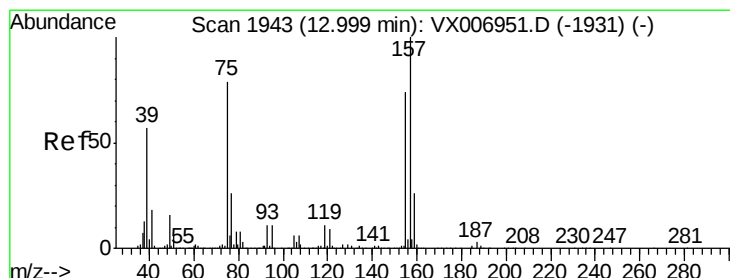
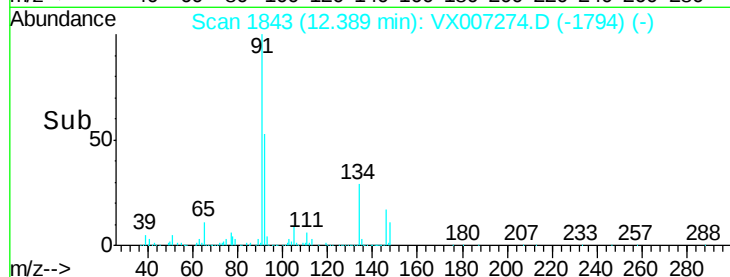
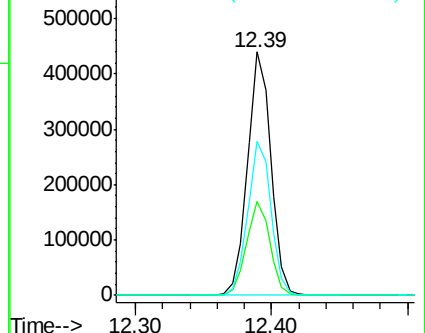
148 63.5 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.245 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

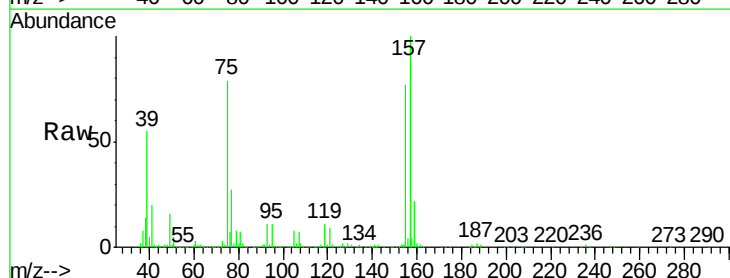
Tgt Ion: 75 Resp: 76895

Ion Ratio Lower Upper

75 100

155 98.5 50.6 151.8

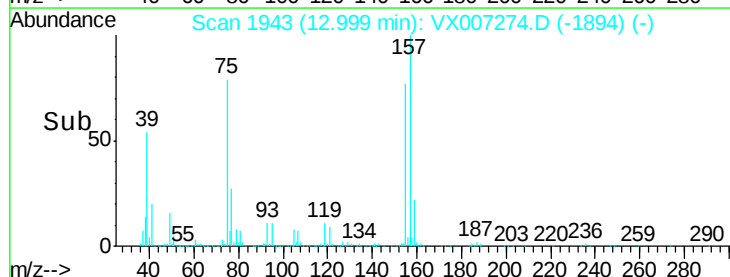
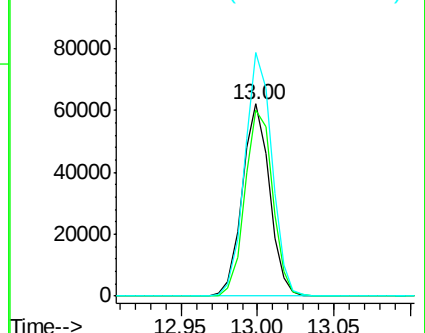
157 126.2 64.6 193.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

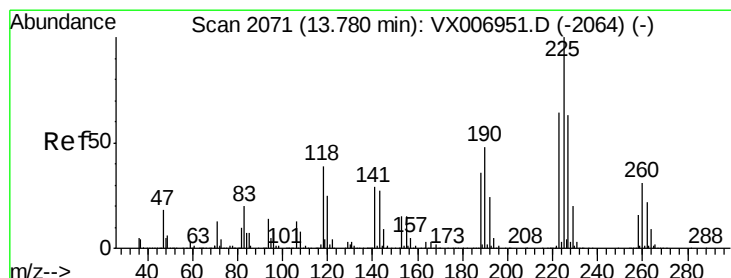
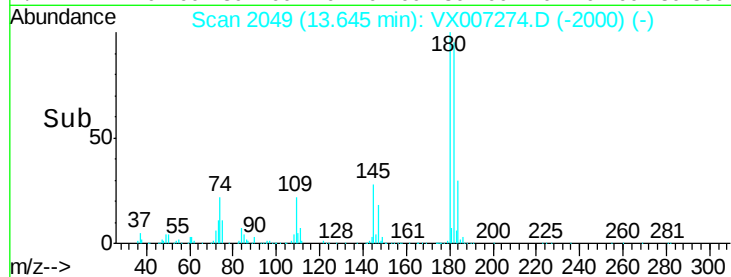
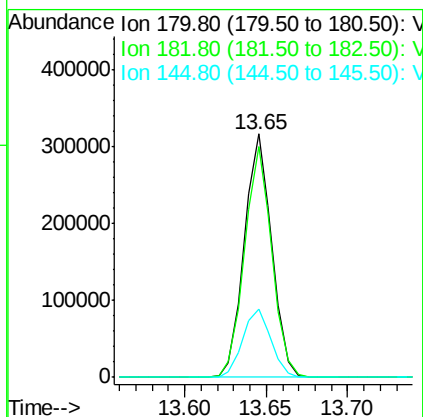
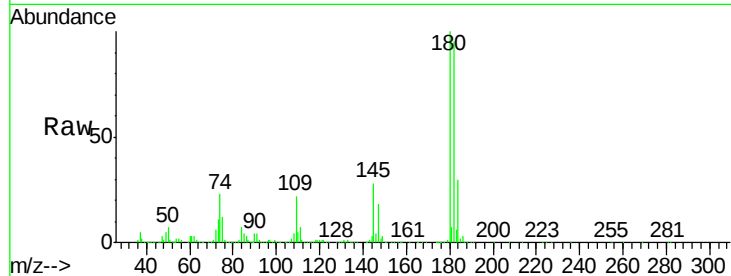




#93
 1,2,4-Trichlorobenzene
 Concen: 47.791 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

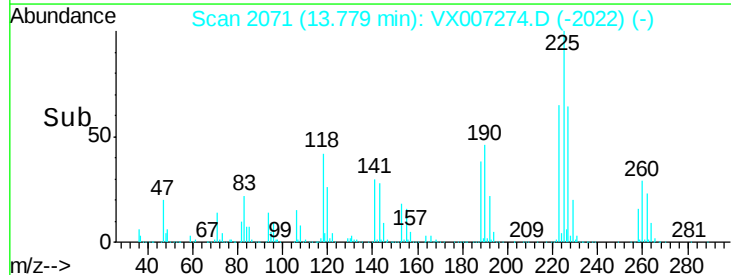
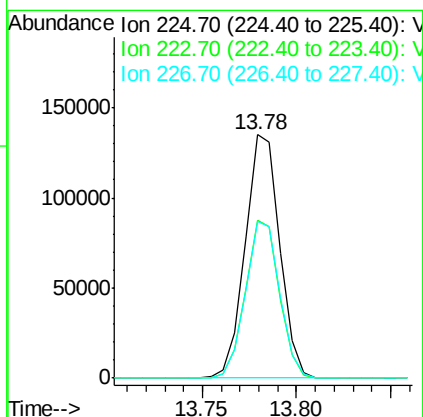
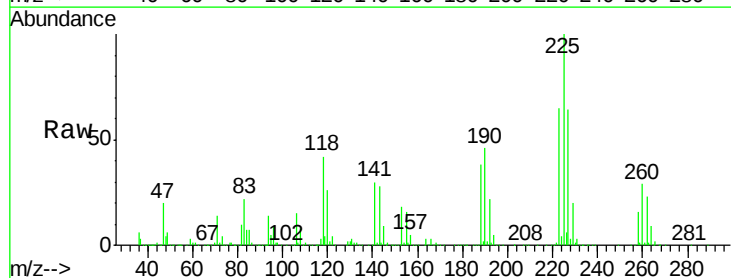
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 370661
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.3 142.0
 145 29.1 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 49.805 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Tgt Ion:225 Resp: 171418
 Ion Ratio Lower Upper
 225 100
 223 63.9 32.1 96.3
 227 63.8 32.3 96.8





#95

Naphthalene

Concen: 48.711 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

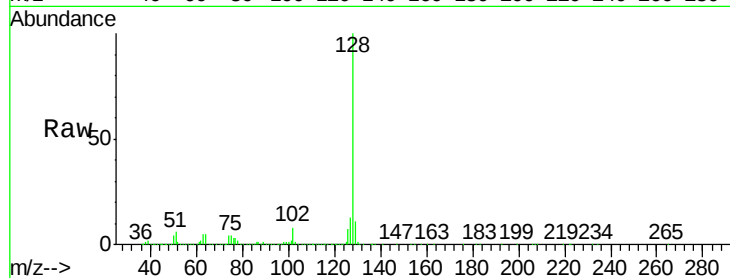
Tot Ion:128 Resp: 1144792

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

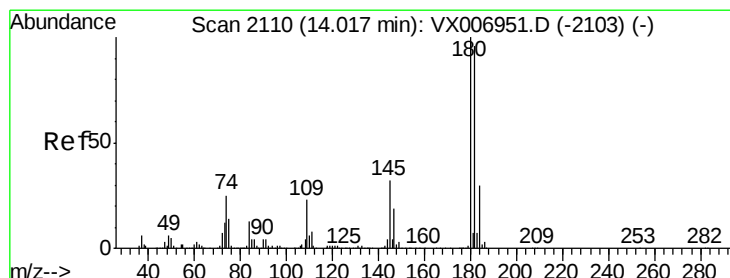
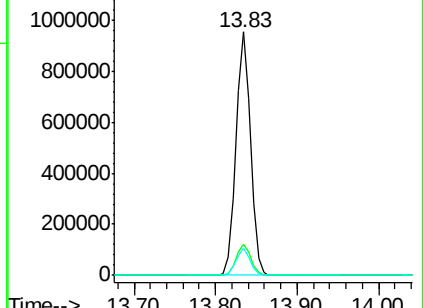
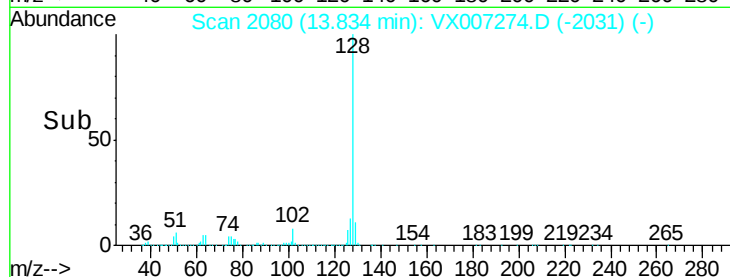
129 10.9 8.6 13.0



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: 48.453 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

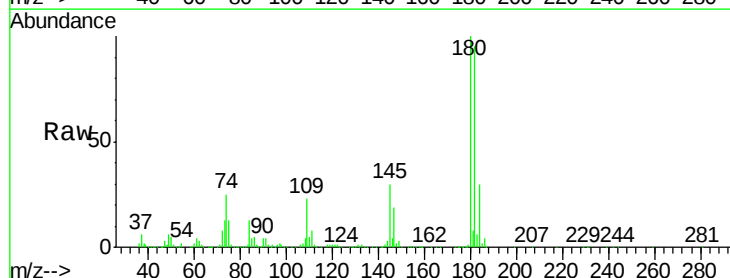
Tgt Ion:180 Resp: 373310

Ion Ratio Lower Upper

180 100

182 95.5 48.5 145.5

145 29.9 16.0 47.9



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

