

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
 Data File : VX011987.D
 Acq On : 01 Sep 2019 10:41
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 02 03:51:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	373836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	484151	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	445616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	268274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	152109	42.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.94%	
35) Dibromofluoromethane	5.48	113	151052	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	8.71	98	552926	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.13	95	227153	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	114039	50.543	ug/l	99
3) Chloromethane	1.31	50	116988	44.727	ug/l	99
4) Vinyl Chloride	1.40	62	122960	49.231	ug/l	99
5) Bromomethane	1.62	94	91278	52.819	ug/l	100
6) Chloroethane	1.71	64	78998	50.821	ug/l	98
7) Trichlorofluoromethane	1.92	101	234337	54.024	ug/l	99
8) Diethyl Ether	2.17	74	65315	43.815	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	152419	53.915	ug/l	98
10) Methyl Iodide	2.50	142	135428	44.327	ug/l	100
11) Tert butyl alcohol	3.03	59	62662	181.847	ug/l	99
12) 1,1-Dichloroethene	2.36	96	135021	51.424	ug/l	99
13) Acrolein	2.28	56	29170	170.080	ug/l	96
14) Allyl chloride	2.72	41	233731	47.455	ug/l	97
15) Acrylonitrile	3.12	53	165902	202.612	ug/l	99
16) Acetone	2.42	43	208533	270.599	ug/l	99
17) Carbon Disulfide	2.56	76	351405	46.660	ug/l	99
18) Methyl Acetate	2.76	43	78714	36.899	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	374212	43.994	ug/l	100
20) Methylene Chloride	2.84	84	150790	45.406	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	154024	49.800	ug/l	98
22) Diisopropyl ether	3.84	45	461689	45.917	ug/l	98
23) Vinyl Acetate	3.80	43	1426557	220.674	ug/l	99
24) 1,1-Dichloroethane	3.68	63	270832	48.845	ug/l	100
25) 2-Butanone	4.65	43	247818	220.793	ug/l	98
26) 2,2-Dichloropropane	4.56	77	269738	58.002	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	180602	49.574	ug/l	98
28) Bromochloromethane	5.00	49	108406	43.571	ug/l	96
29) Tetrahydrofuran	5.11	42	134841	192.475	ug/l	99
30) Chloroform	5.19	83	295115	49.778	ug/l	97
31) Cyclohexane	5.56	56	216960	48.512	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	280544	53.271	ug/l	99
36) 1,1-Dichloropropene	5.78	75	215178	56.100	ug/l	100
37) Ethyl Acetate	4.81	43	98422	43.349	ug/l	99
38) Carbon Tetrachloride	5.77	117	262506	59.010	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
 Data File : VX011987.D
 Acq On : 01 Sep 2019 10:41
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 02 03:51:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	248767	54.451	ug/l	98
40) Benzene	6.13	78	604506	52.799	ug/l	100
41) Methacrylonitrile	5.02	41	59116	44.221	ug/l	98
42) 1,2-Dichloroethane	6.18	62	198402	50.957	ug/l	100
43) Isopropyl Acetate	6.43	43	201279	43.725	ug/l	99
44) Trichloroethene	7.20	130	196977	55.605	ug/l	99
45) 1,2-Dichloropropane	7.50	63	153876	51.380	ug/l	99
46) Dibromomethane	7.65	93	86086	48.435	ug/l	97
47) Bromodichloromethane	7.89	83	228955	51.949	ug/l	98
48) Methyl methacrylate	7.76	41	99865	44.587	ug/l	99
49) 1,4-Dioxane	7.73	88	26120	848.059	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	494670	211.534	ug/l	99
52) Toluene	8.78	92	412615	54.474	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	227617	50.418	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	260053	51.314	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	127729	49.089	ug/l	99
56) Ethyl methacrylate	9.17	69	165978	45.961	ug/l	98
57) 1,3-Dichloropropane	9.37	76	209840	48.588	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	361463	210.149	ug/l	97
59) 2-Hexanone	9.48	43	379445	228.427	ug/l	100
60) Dibromochloromethane	9.57	129	178998	51.219	ug/l	100
61) 1,2-Dibromoethane	9.67	107	125242	48.548	ug/l	99
64) Tetrachloroethene	9.33	164	200848	56.032	ug/l	98
65) Chlorobenzene	10.14	112	477200	55.261	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	193396	55.382	ug/l	100
67) Ethyl Benzene	10.25	91	822231	55.976	ug/l	100
68) m/p-Xylenes	10.35	106	642617	113.299	ug/l	99
69) o-Xylene	10.70	106	310493	56.177	ug/l	99
70) Styrene	10.71	104	543404	55.780	ug/l	100
71) Bromoform	10.85	173	125475	50.816	ug/l #	99
73) Isopropylbenzene	11.01	105	874076	56.705	ug/l	100
74) N-amyl acetate	10.89	43	197981	43.280	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	145419	46.096	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	155603	58.962	ug/l	83
77) Bromobenzene	11.25	156	240383	53.770	ug/l	97
78) n-propylbenzene	11.35	91	999630	57.189	ug/l	99
79) 2-Chlorotoluene	11.42	91	578284	54.964	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	753819	56.657	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47712	45.419	ug/l	99
82) 4-Chlorotoluene	11.51	91	694627	54.726	ug/l	100
83) tert-Butylbenzene	11.76	119	784629	58.118	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	759641	55.711	ug/l	99
85) sec-Butylbenzene	11.94	105	918567	58.578	ug/l	99
86) p-Isopropyltoluene	12.06	119	893850	58.785	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	463457	55.781	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	461334	54.925	ug/l	100
89) n-Butylbenzene	12.39	91	796730	59.225	ug/l	99
90) Hexachloroethane	12.59	117	166741	56.683	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	417985	54.110	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28055	44.645	ug/l	98

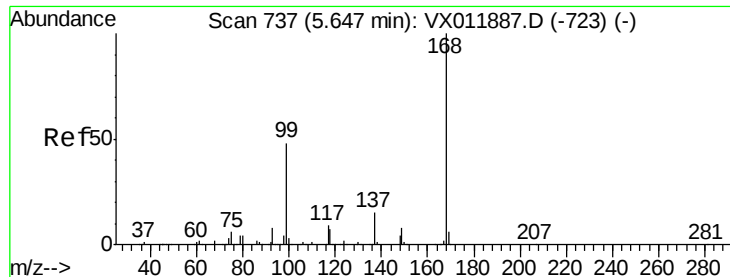
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX011987.D
Acq On : 01 Sep 2019 10:41
Operator : SY/SP
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 02 03:51:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	372850	57.323	ug/l	100
94) Hexachlorobutadiene	13.78	225	277320	63.843	ug/l	100
95) Naphthalene	13.83	128	543733	48.709	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	325603	55.358	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

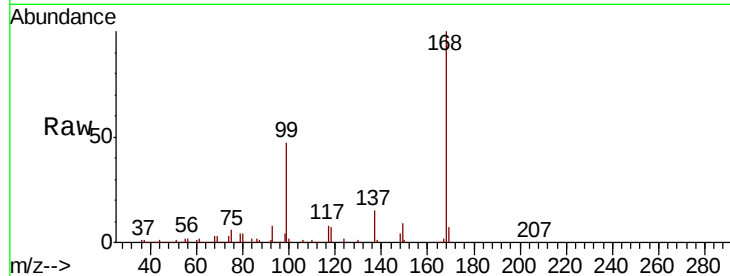
VSTDCCC050

Tgt Ion:168 Resp: 373836

Ion Ratio Lower Upper

168 100

99 47.1 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

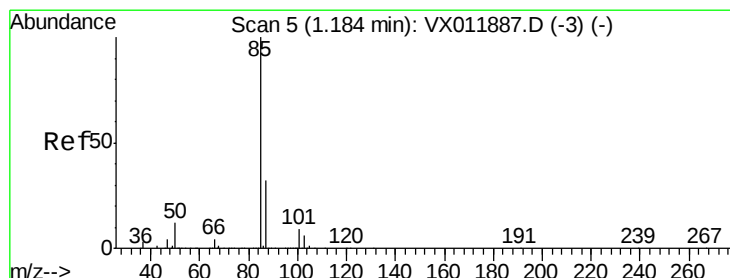
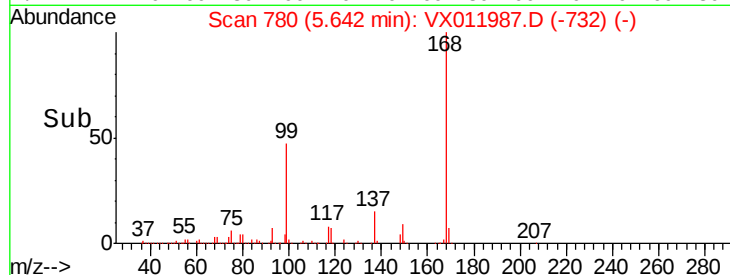
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.543 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011987.D

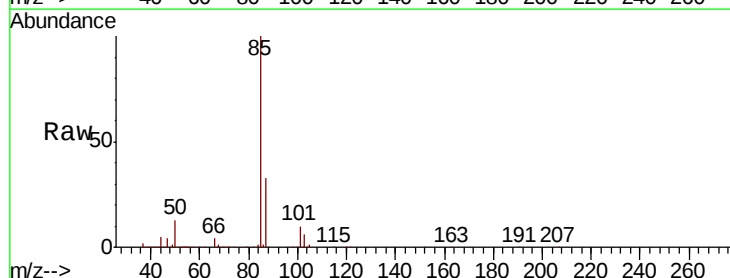
Acq: 01 Sep 2019 10:41

Tgt Ion: 85 Resp: 114039

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

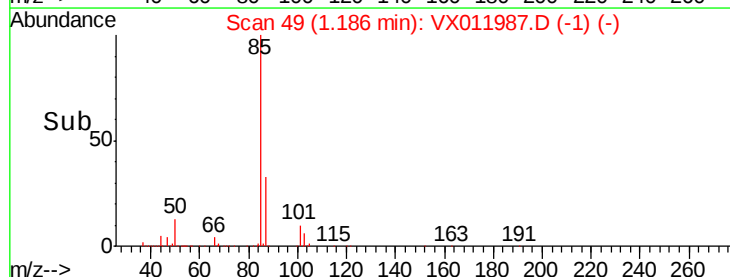
40000

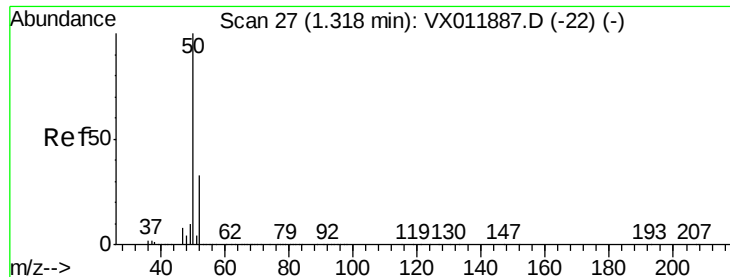
20000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 44.727 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

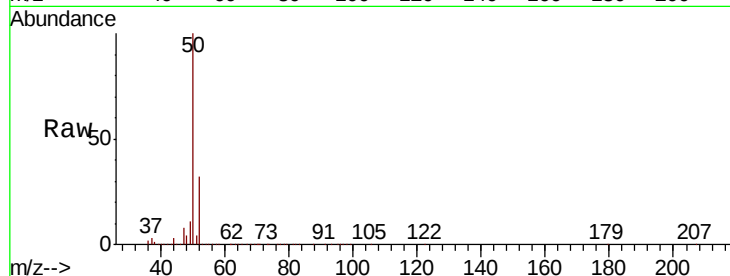
VSTDCCC050

Tgt Ion: 50 Resp: 116988

Ion Ratio Lower Upper

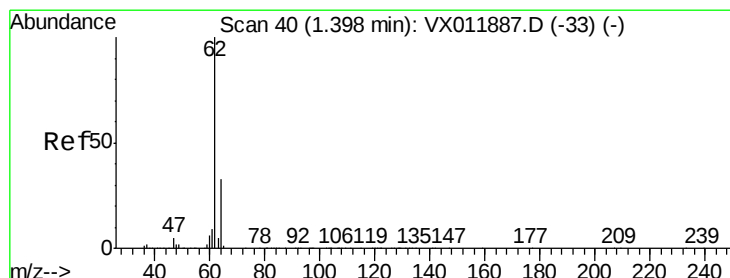
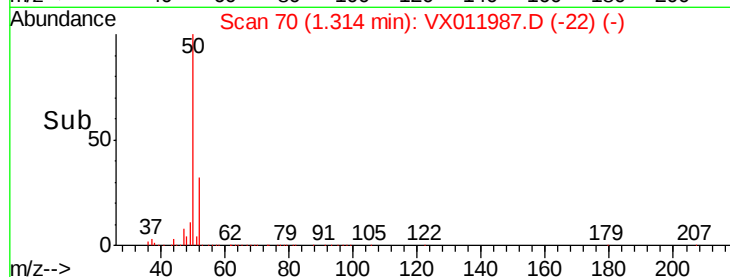
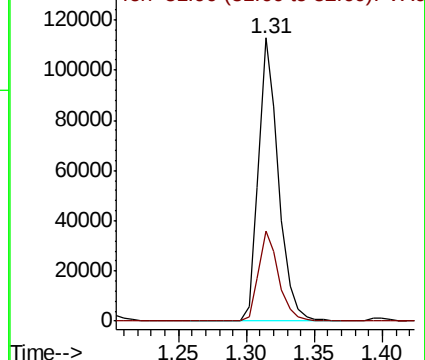
50 100

52 31.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.231 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX011987.D

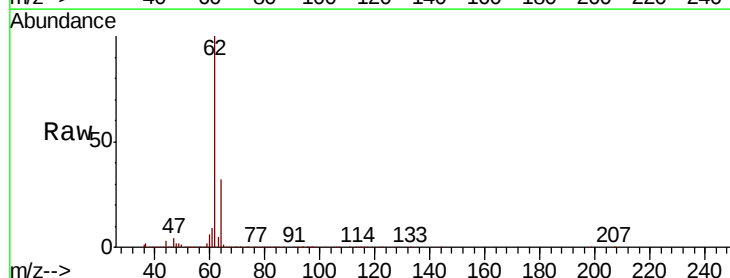
Acq: 01 Sep 2019 10:41

Tgt Ion: 62 Resp: 122960

Ion Ratio Lower Upper

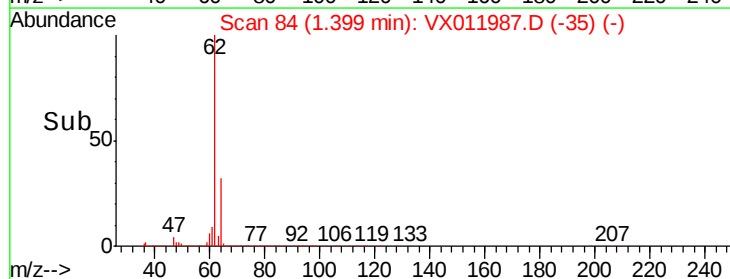
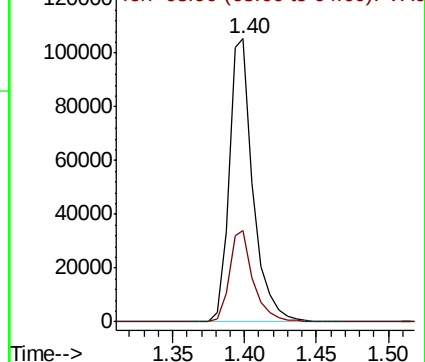
62 100

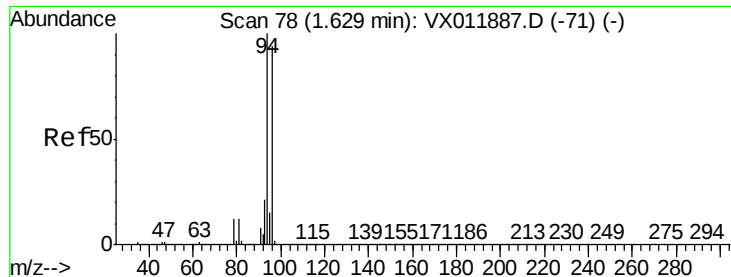
64 32.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.819 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

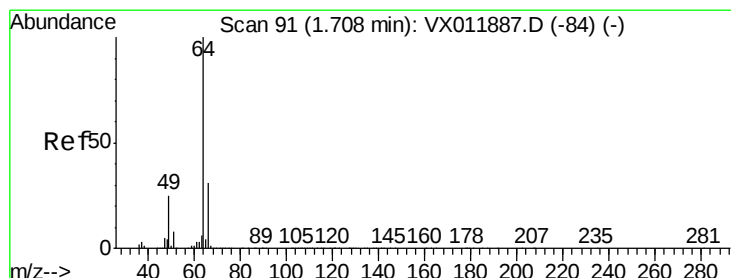
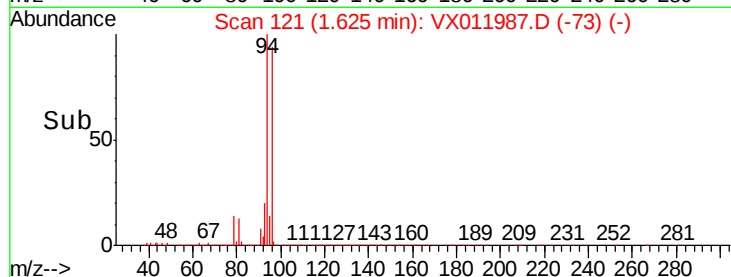
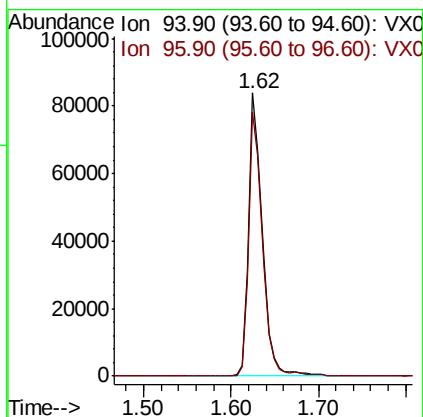
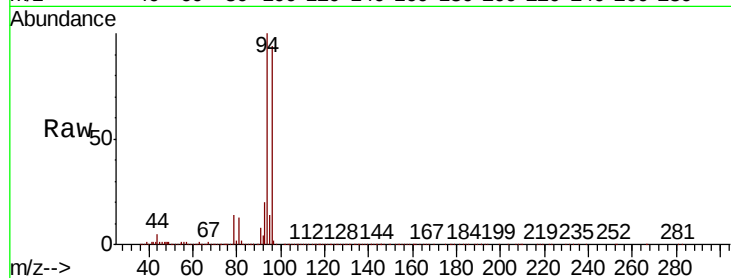
VSTDCCC050

Tgt Ion: 94 Resp: 91278

Ion Ratio Lower Upper

94 100

96 93.4 75.0 112.6



#6

Chloroethane

Concen: 50.821 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011987.D

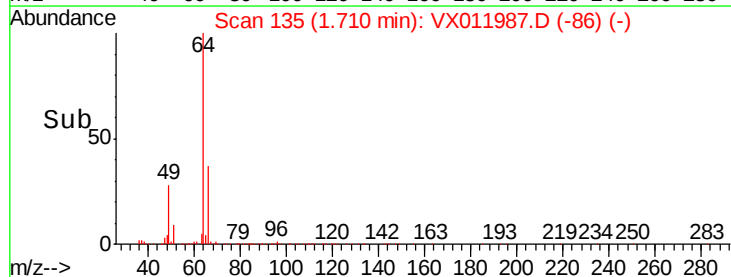
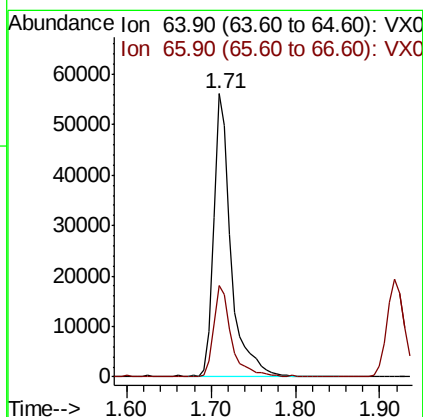
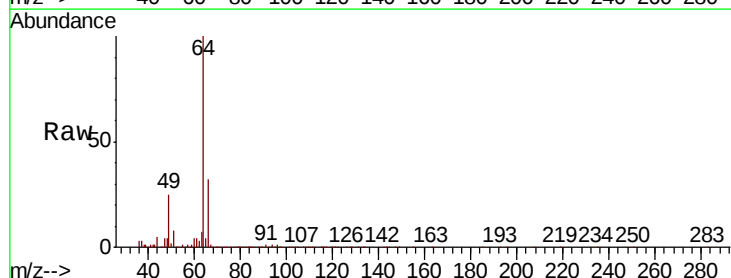
Acq: 01 Sep 2019 10:41

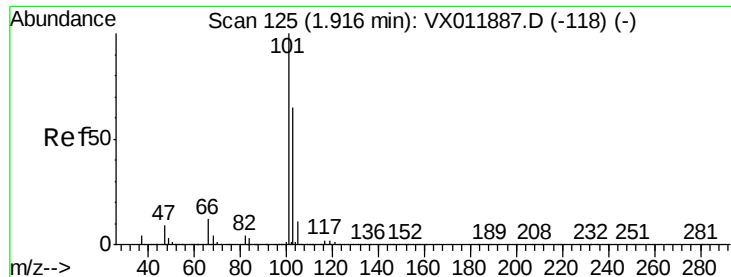
Tgt Ion: 64 Resp: 78998

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.4



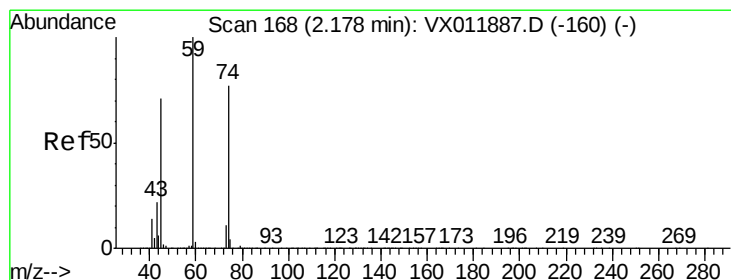
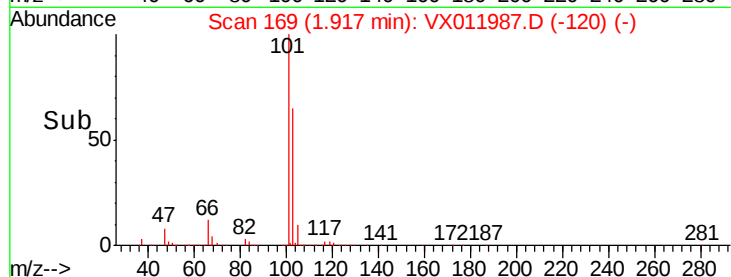
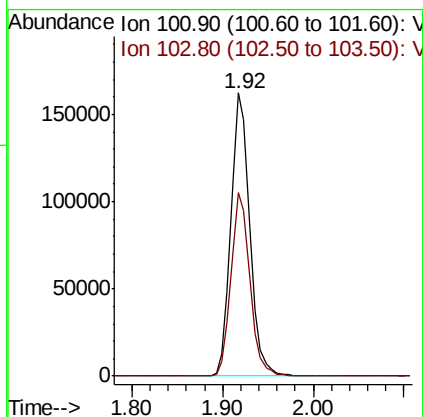
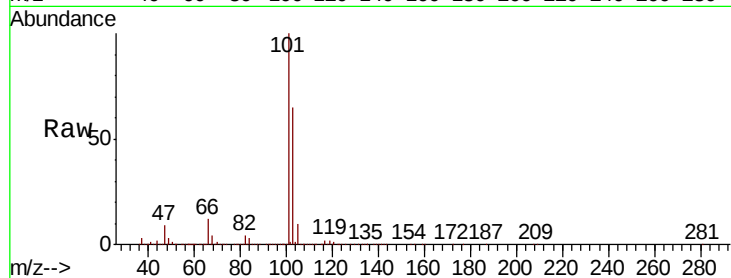


#7

Trichlorofluoromethane
Concen: 54.024 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

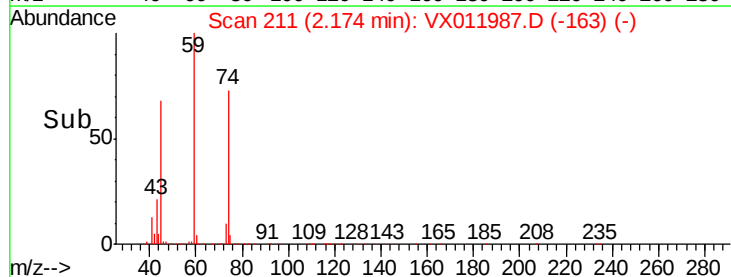
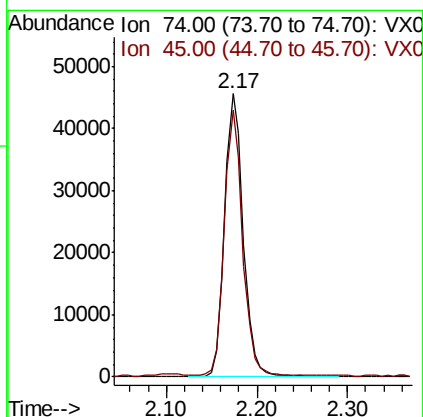
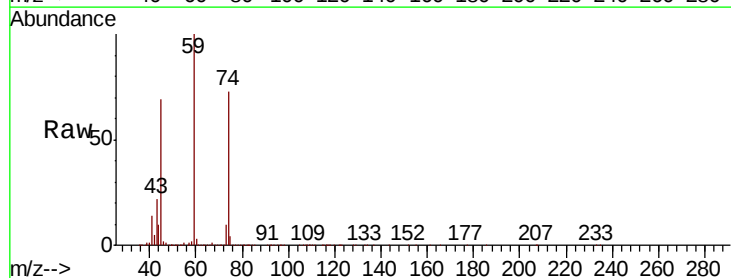
Tgt Ion: 101 Resp: 234337
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4

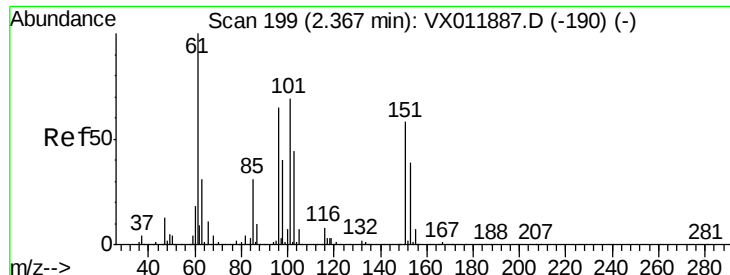


#8

Diethyl Ether
Concen: 43.815 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 74 Resp: 65315
Ion Ratio Lower Upper
74 100
45 91.6 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.915 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

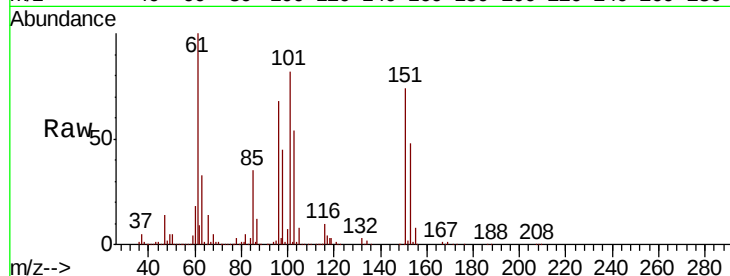
Tgt Ion:101 Resp: 152419

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

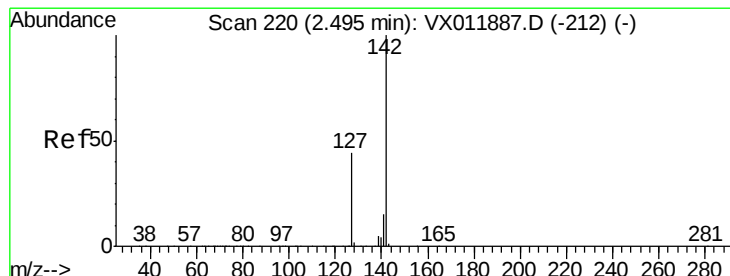
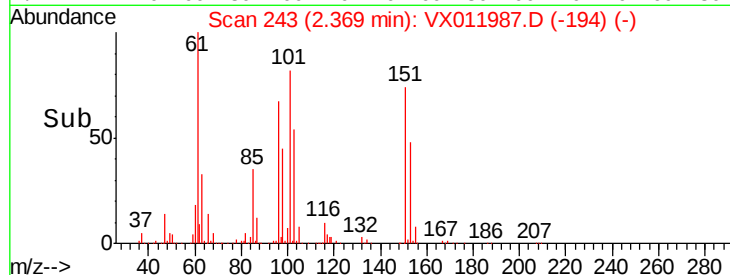
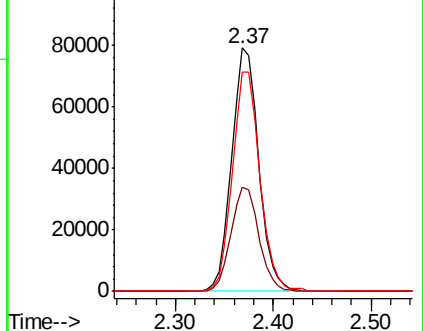
151 91.9 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.327 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

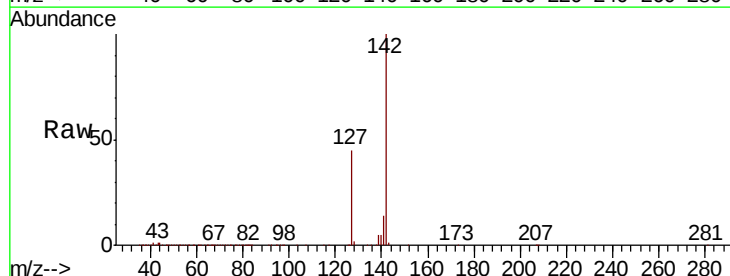
Tgt Ion:142 Resp: 135428

Ion Ratio Lower Upper

142 100

127 44.7 35.7 53.5

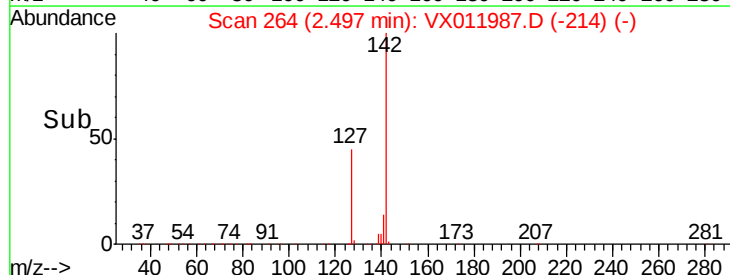
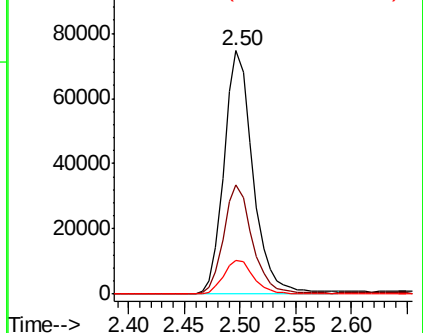
141 14.5 11.8 17.6

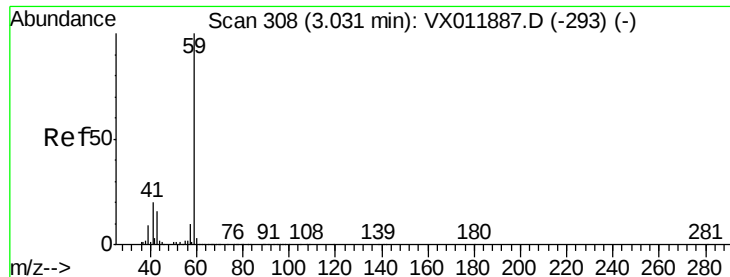


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

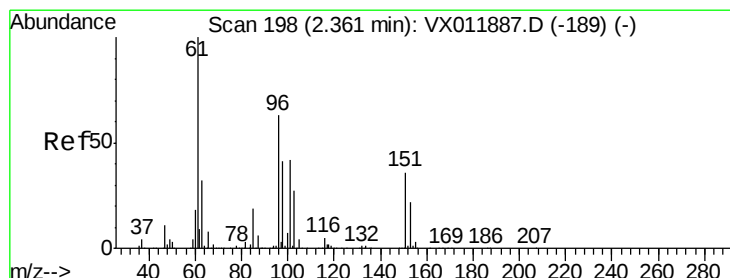
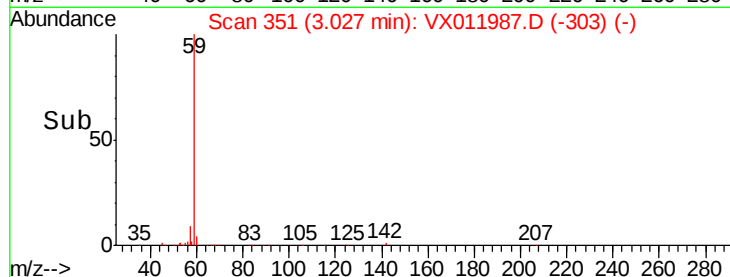
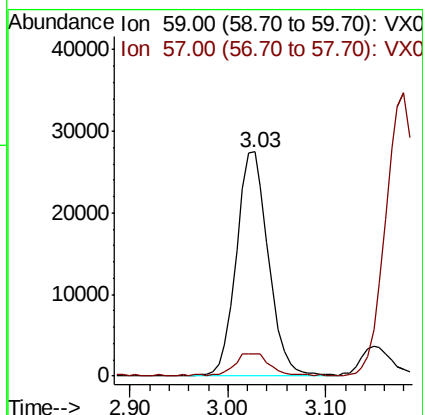
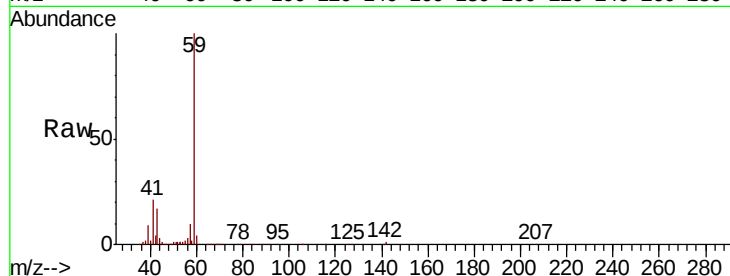




#11
Tert butyl alcohol
Concen: 181.847 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

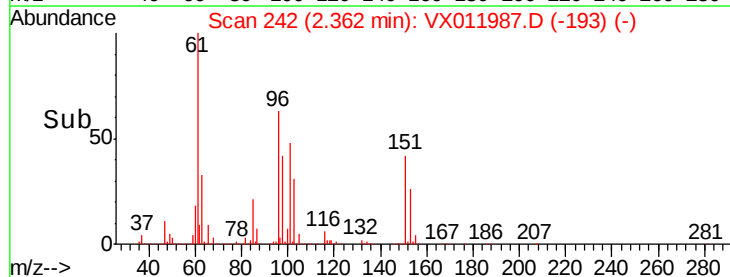
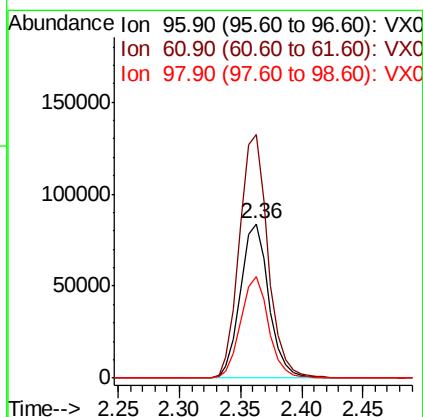
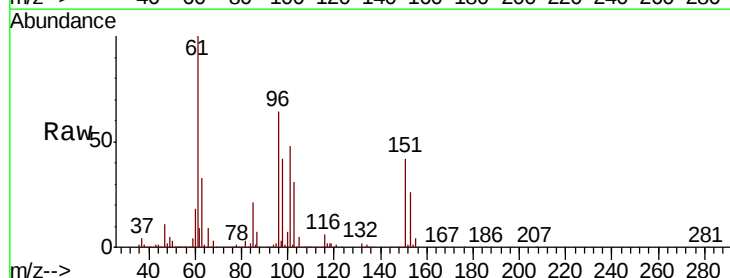
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

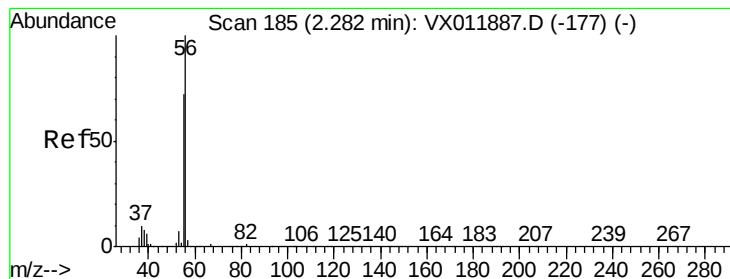
Tgt Ion: 59 Resp: 62662
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8



#12
1,1-Dichloroethene
Concen: 51.424 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 96 Resp: 135021
Ion Ratio Lower Upper
96 100
61 157.6 126.6 190.0
98 65.4 51.6 77.4





#13

Acrolein

Concen: 170.080 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

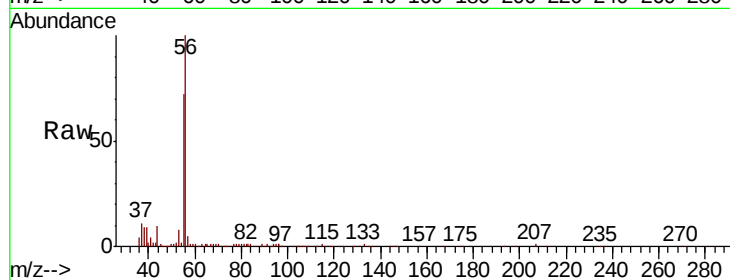
VSTDCCC050

Tgt Ion: 56 Resp: 29170

Ion Ratio Lower Upper

56 100

55 70.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

20000

15000

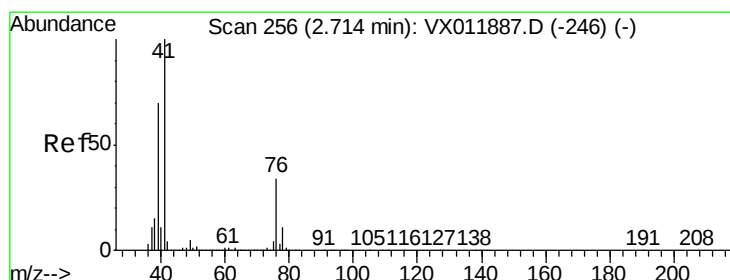
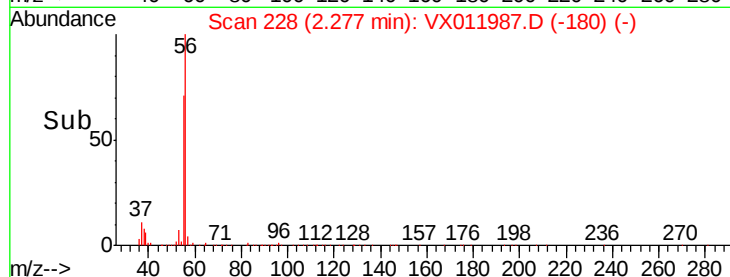
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 47.455 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

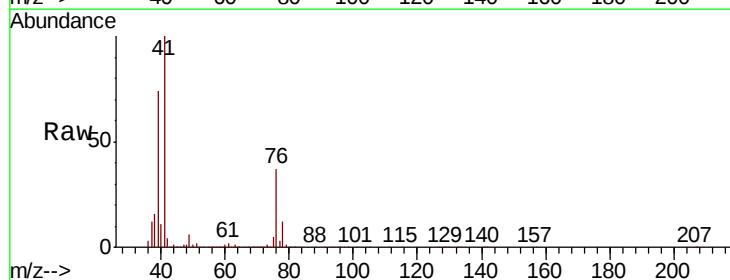
Tgt Ion: 41 Resp: 233731

Ion Ratio Lower Upper

41 100

39 71.5 55.0 82.6

76 35.5 27.0 40.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

250000

200000

150000

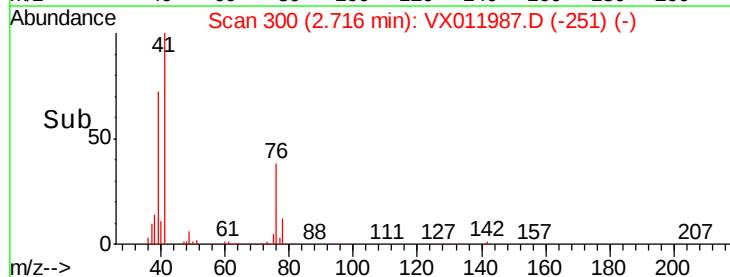
100000

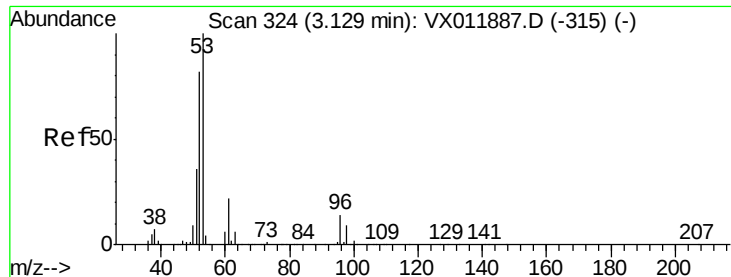
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 202.612 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

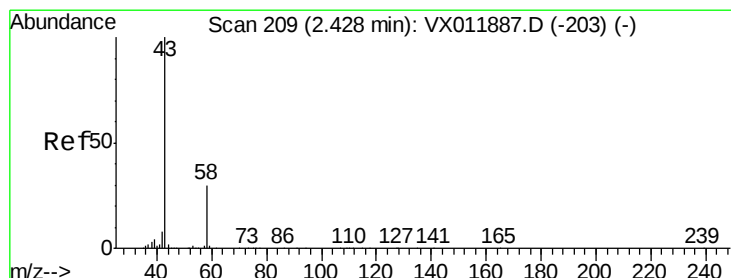
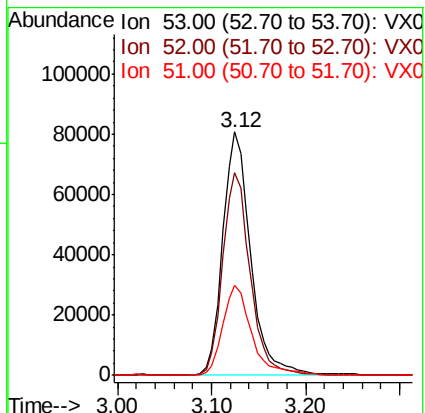
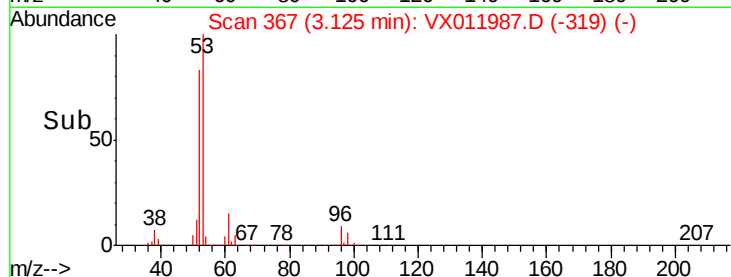
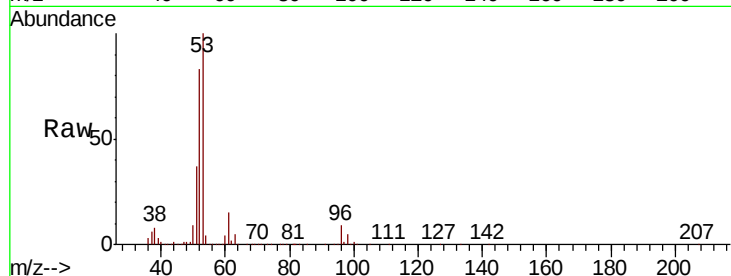
Tgt Ion: 53 Resp: 165902

Ion Ratio Lower Upper

53 100

52 81.9 65.3 97.9

51 38.2 29.4 44.2



#16

Acetone

Concen: 270.599 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.00 min

Lab File: VX011987.D

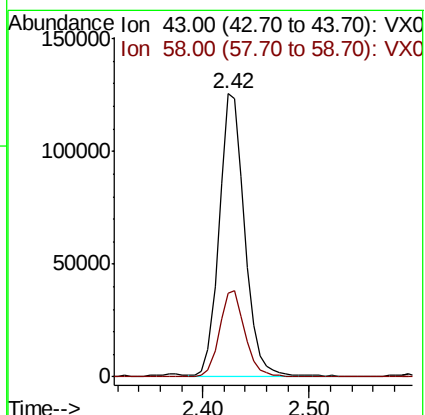
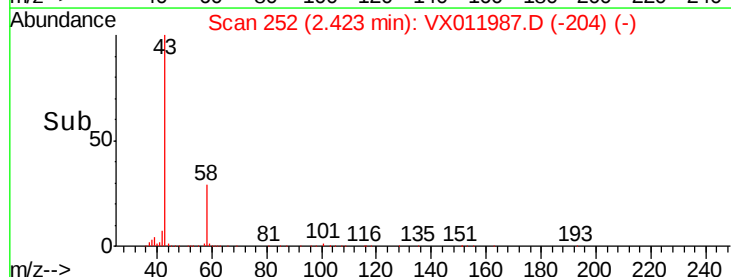
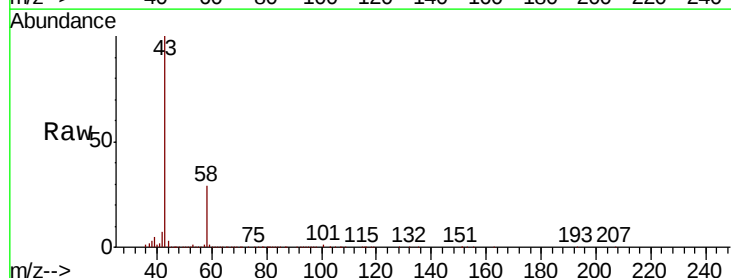
Acq: 01 Sep 2019 10:41

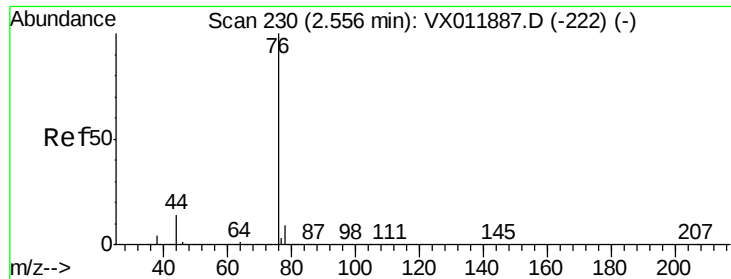
Tgt Ion: 43 Resp: 208533

Ion Ratio Lower Upper

43 100

58 29.3 23.8 35.8

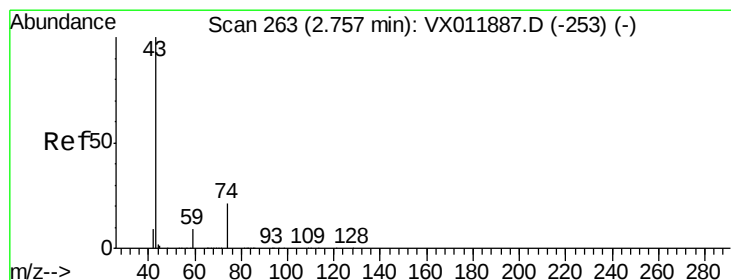
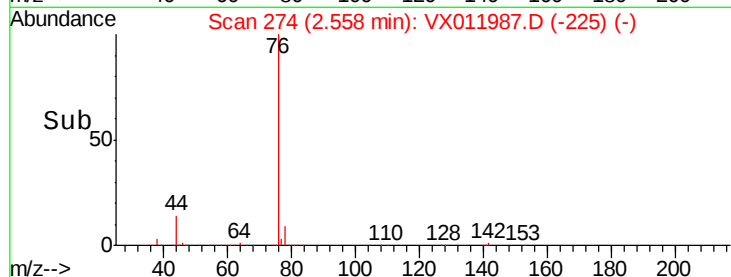
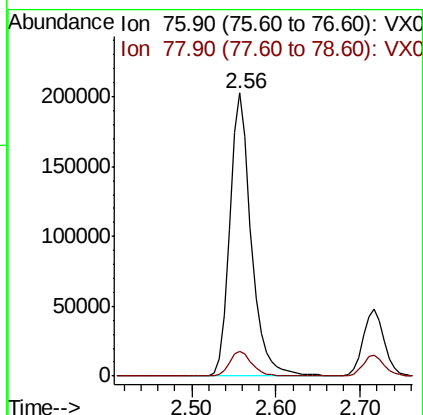
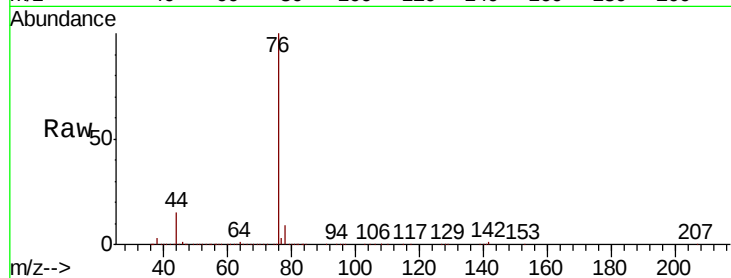




#17
Carbon Disulfide
Concen: 46.660 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

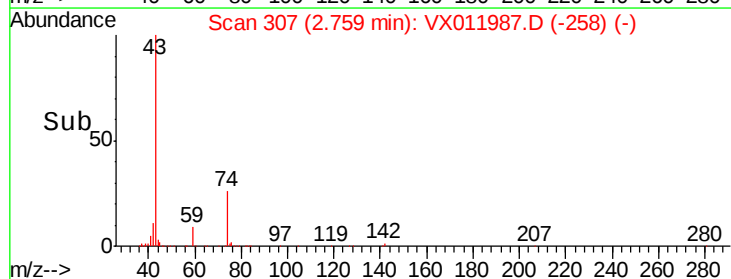
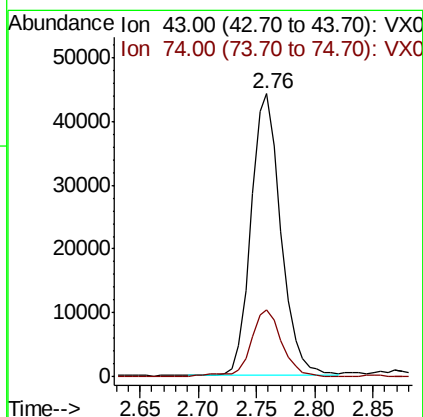
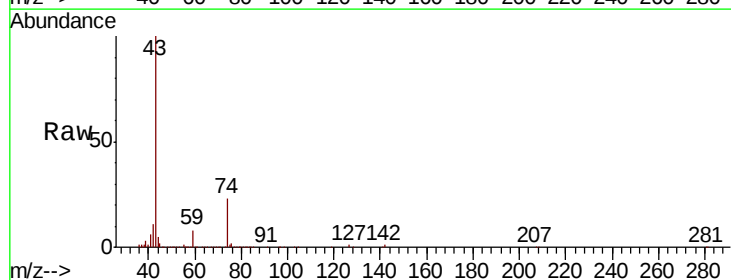
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

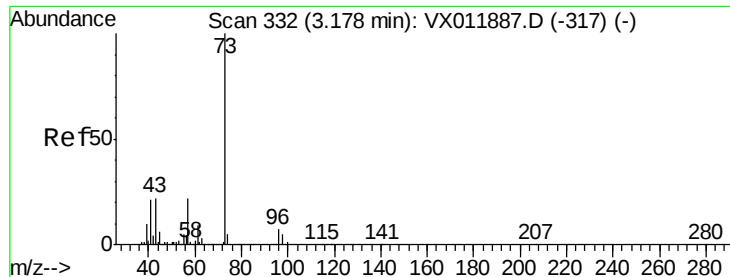
Tgt Ion: 76 Resp: 351405
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 36.899 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 43 Resp: 78714
Ion Ratio Lower Upper
43 100
74 25.3 18.4 27.6





#19

Methyl tert-butyl Ether

Concen: 43.994 ug/l

RT: 3.18 min Scan# 376

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

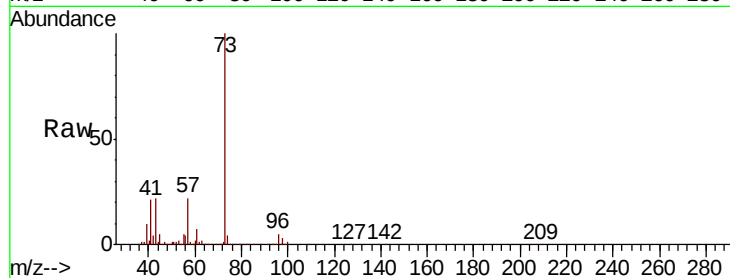
VSTDCCC050

Tgt Ion: 73 Resp: 374212

Ion Ratio Lower Upper

73 100

57 21.5 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.18

150000

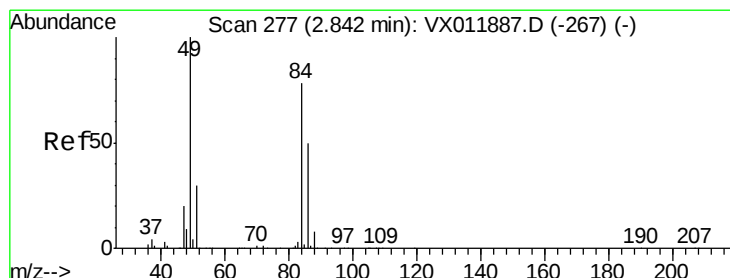
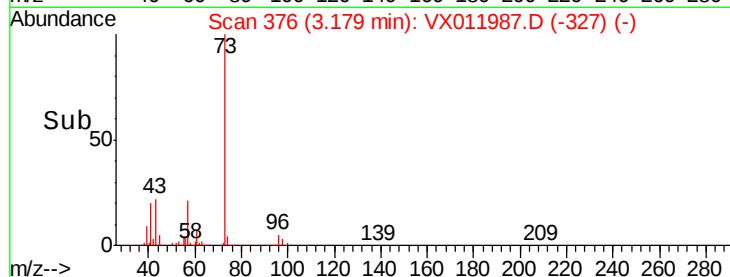
100000

50000

0

Time-->

3.10 3.20 3.30



#20

Methylene Chloride

Concen: 45.406 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Tgt Ion: 84 Resp: 150790

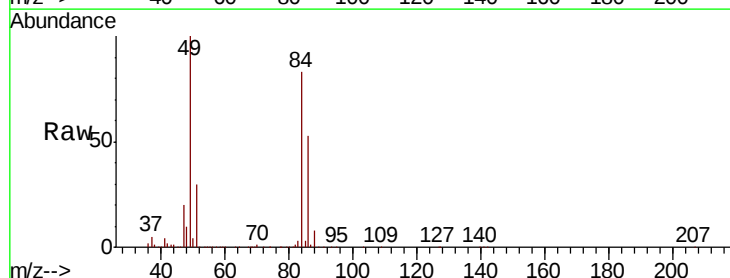
Ion Ratio Lower Upper

84 100

49 120.6 103.0 154.4

51 35.7 30.8 46.2

86 63.5 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

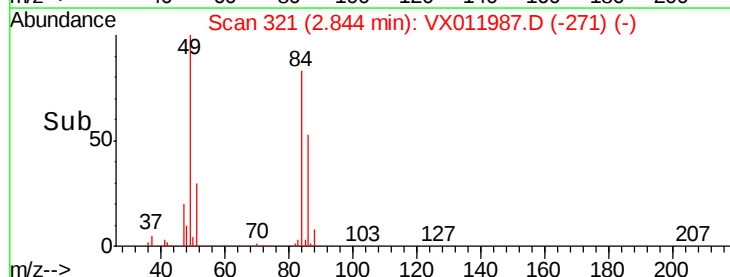
100000

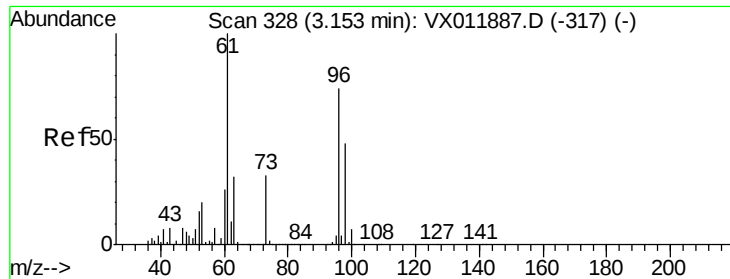
50000

0

Time-->

2.70 2.80 2.90 3.00





#21

trans-1,2-Dichloroethene

Concen: 49.800 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

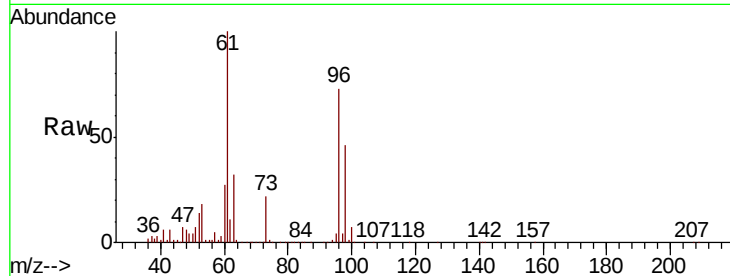
Tgt Ion: 96 Resp: 154024

Ion Ratio Lower Upper

96 100

61 137.0 107.4 161.2

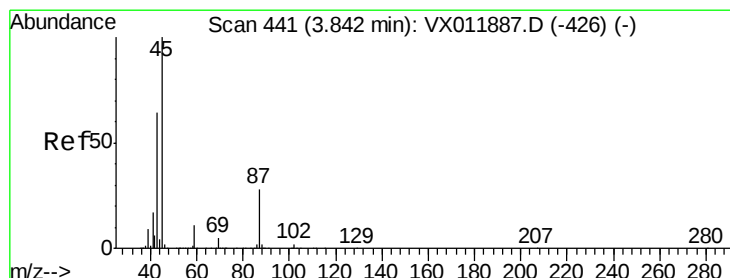
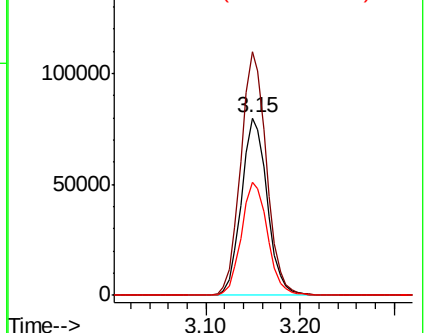
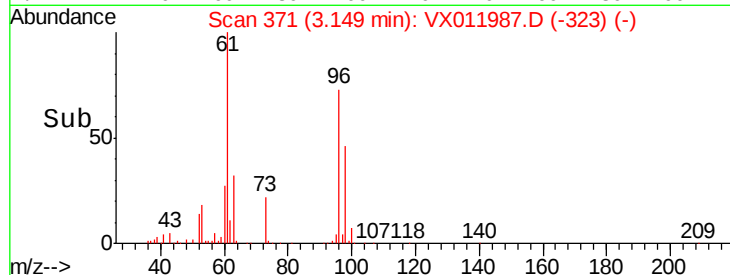
98 63.7 51.4 77.2



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: 45.917 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 10:41

Tgt Ion: 45 Resp: 461689

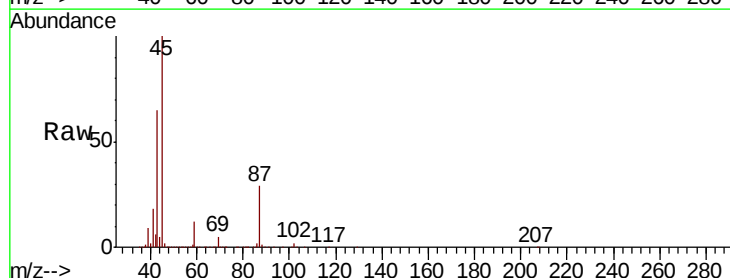
Ion Ratio Lower Upper

45 100

43 64.9 51.0 76.6

87 28.7 22.0 33.0

59 11.6 9.1 13.7

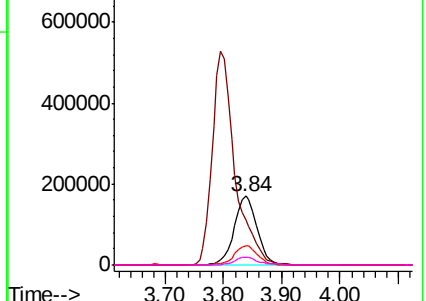
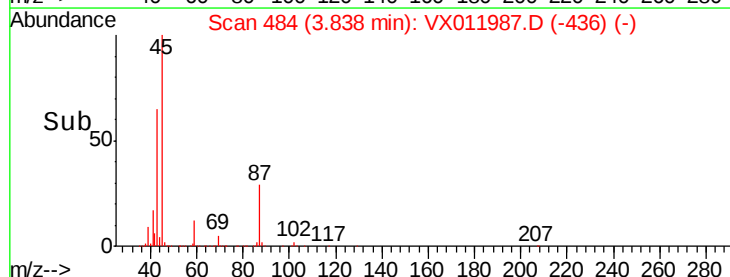


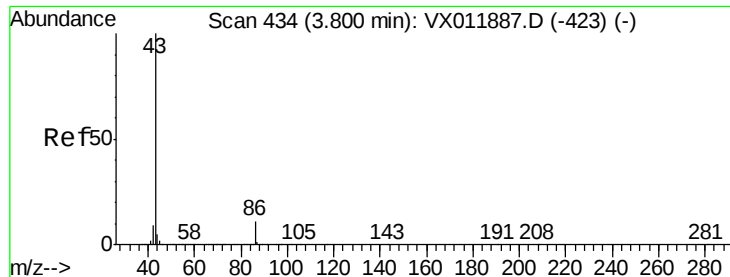
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 220.674 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

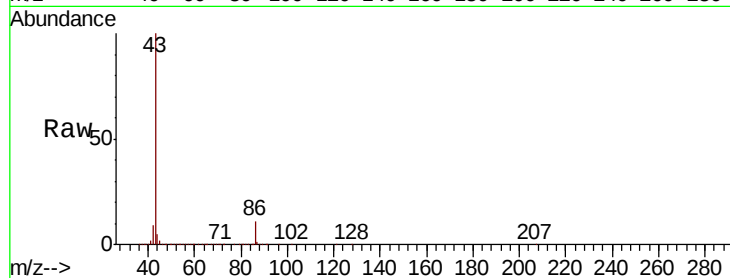
VSTDCCC050

Tgt Ion: 43 Resp: 1426557

Ion Ratio Lower Upper

43 100

86 11.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

600000

500000

400000

300000

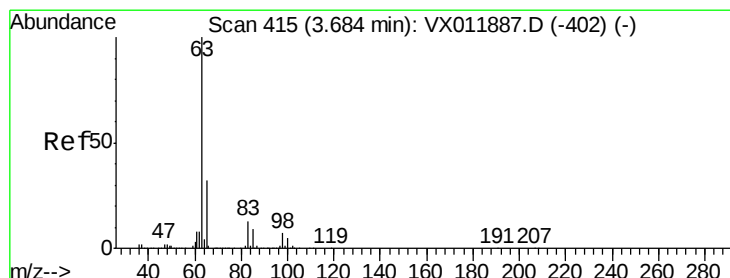
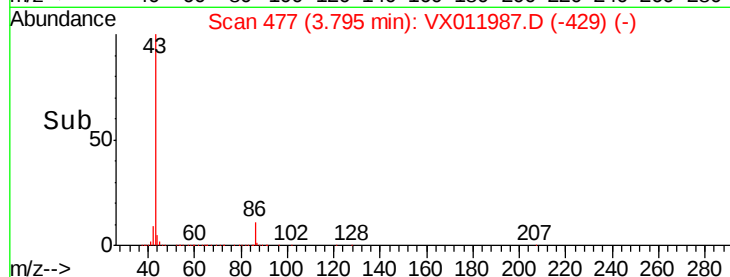
200000

100000

0

Time-->

3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 48.845 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

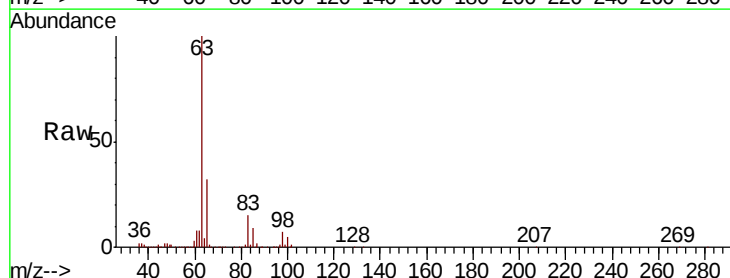
Tgt Ion: 63 Resp: 270832

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.8 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

150000

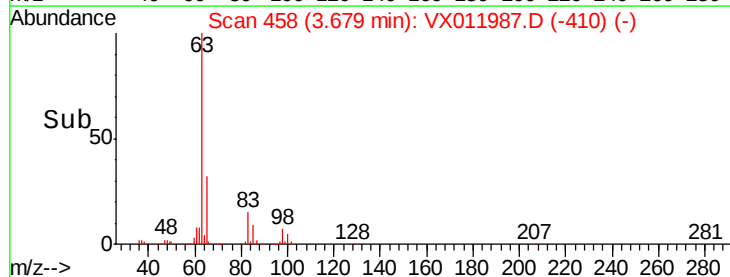
100000

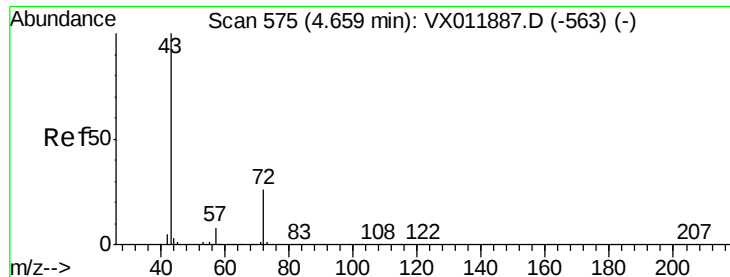
50000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 220.793 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

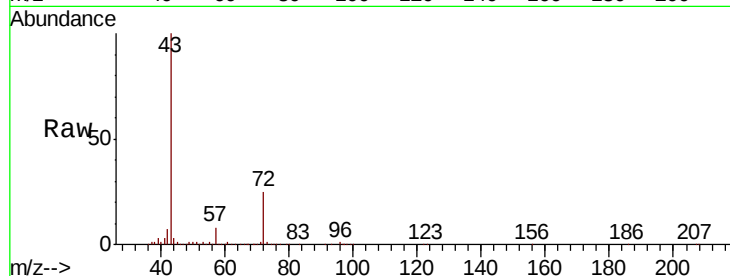
VSTDCCC050

Tgt Ion: 43 Resp: 247818

Ion Ratio Lower Upper

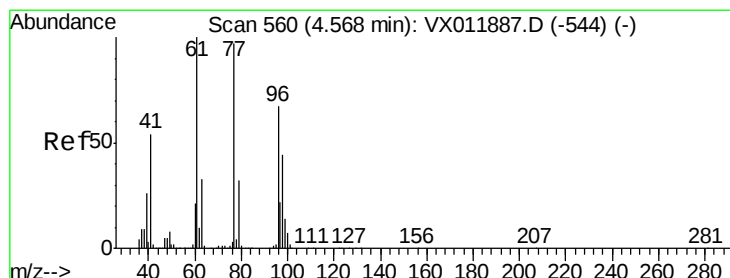
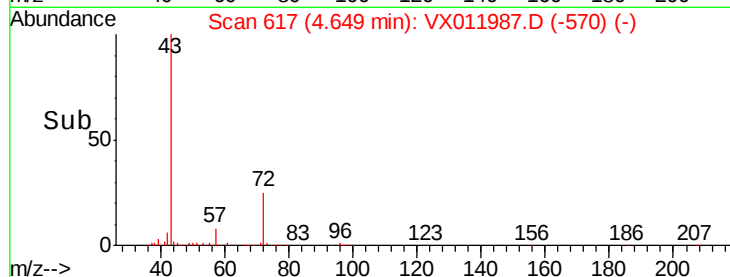
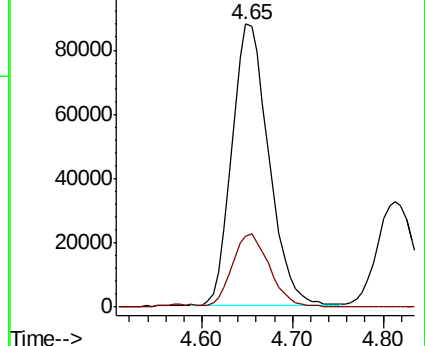
43 100

72 24.9 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 58.002 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011987.D

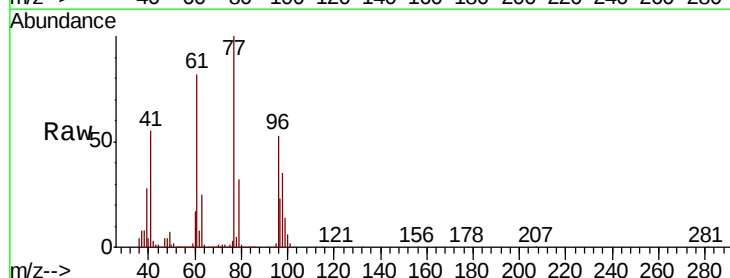
Acq: 01 Sep 2019 10:41

Tgt Ion: 77 Resp: 269738

Ion Ratio Lower Upper

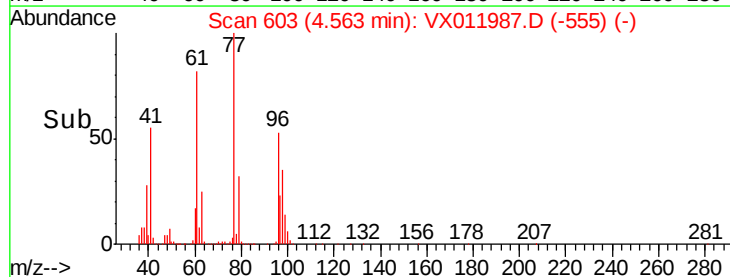
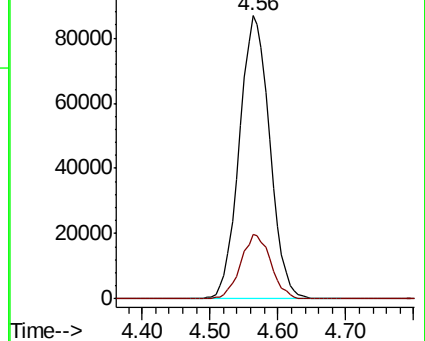
77 100

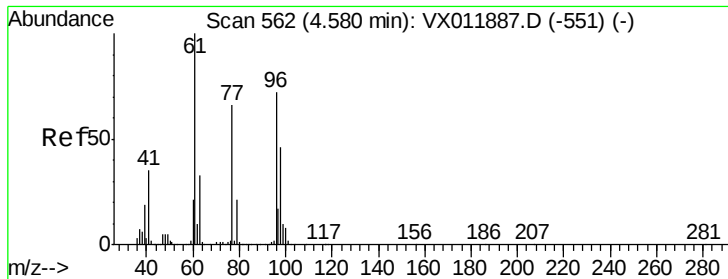
97 22.6 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



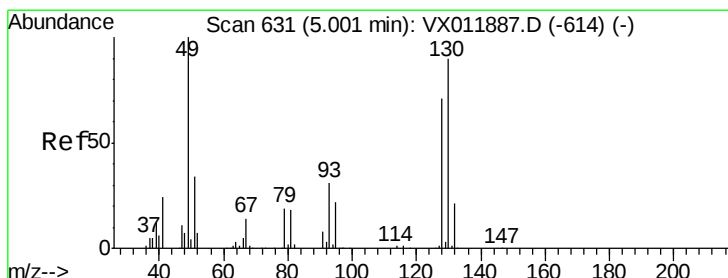
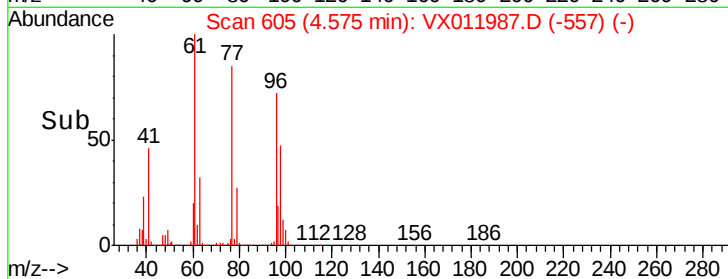
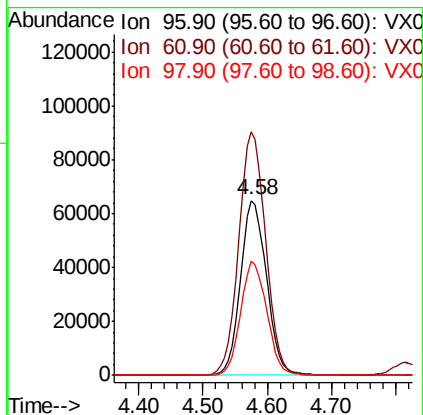
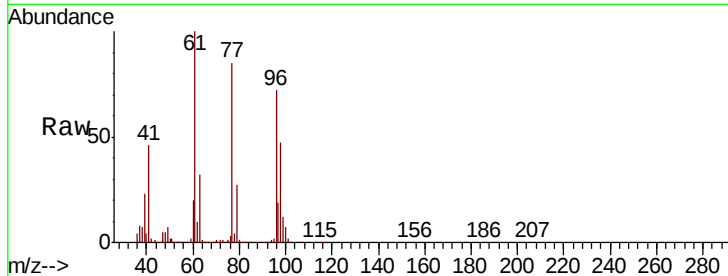


#27

cis-1,2-Dichloroethene
 Concen: 49.574 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

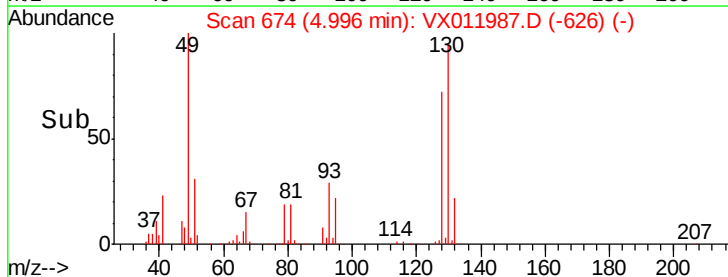
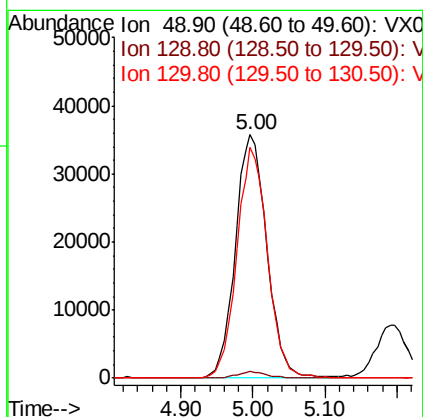
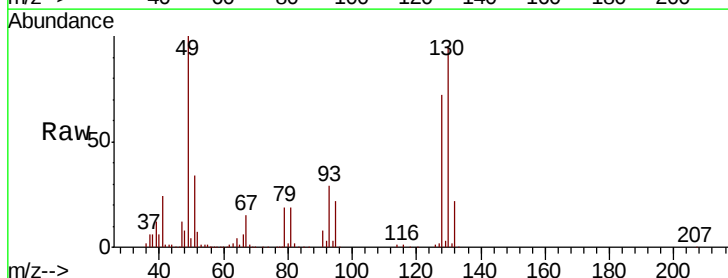
Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	283.8
98	65.2	0.0	131.2

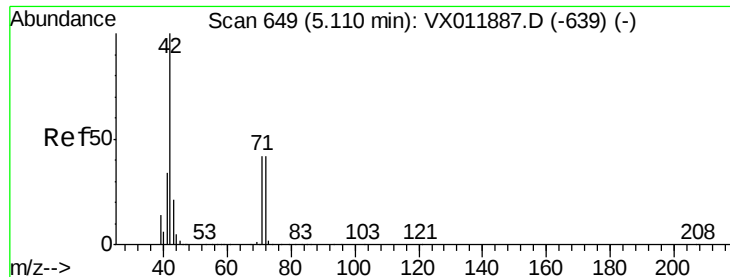


#28

Bromochloromethane
 Concen: 43.571 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	92.1	70.6	105.8

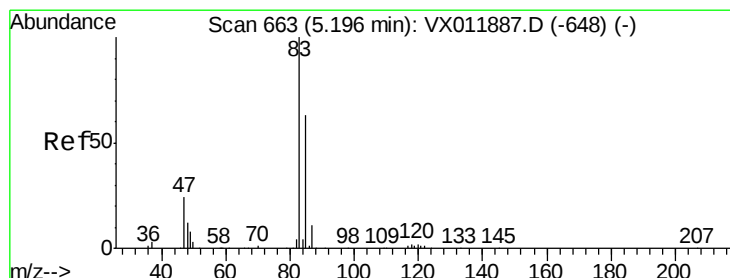
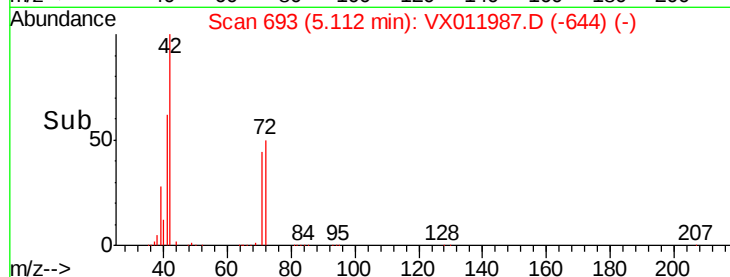
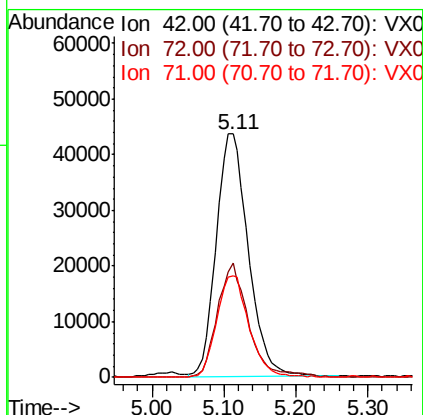
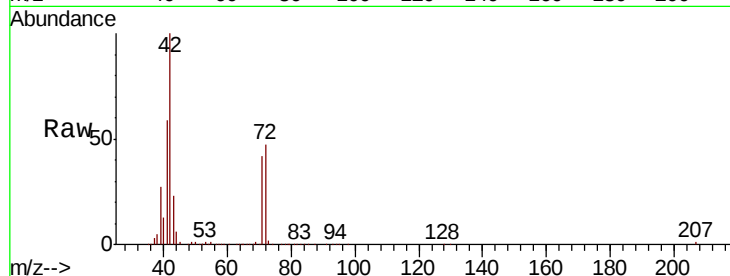




#29
Tetrahydrofuran
Concen: 192.475 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

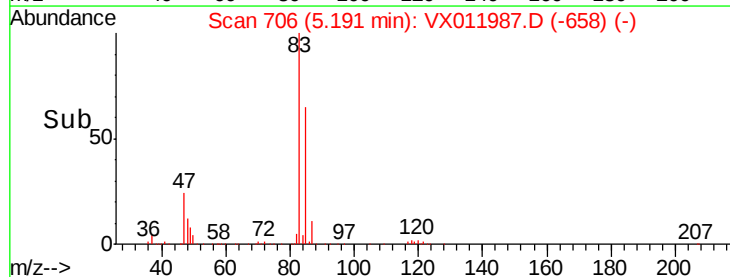
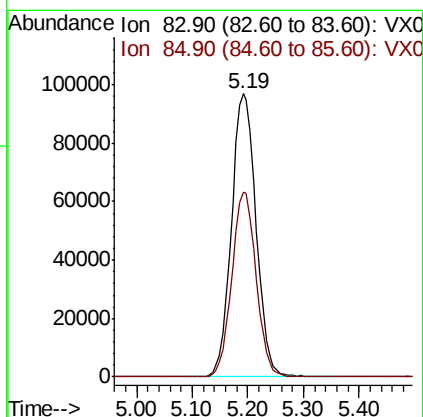
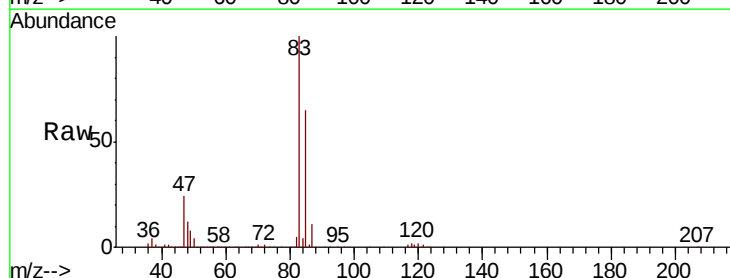
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

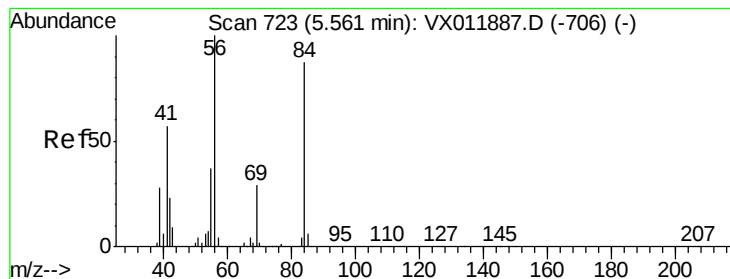
Tgt Ion: 42 Resp: 134841
Ion Ratio Lower Upper
42 100
72 46.1 36.2 54.4
71 41.8 33.1 49.7



#30
Chloroform
Concen: 49.778 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 83 Resp: 295115
Ion Ratio Lower Upper
83 100
85 65.2 50.6 75.8





#31

Cyclohexane

Concen: 48.512 ug/l

RT: 5.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

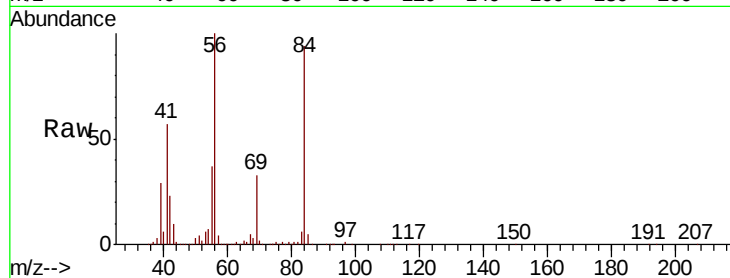
Tgt Ion: 56 Resp: 216960

Ion Ratio Lower Upper

56 100

69 32.6 23.1 34.7

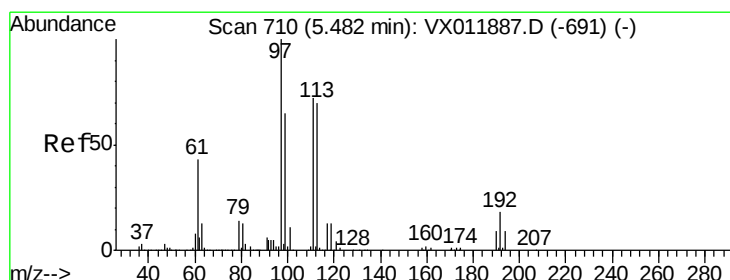
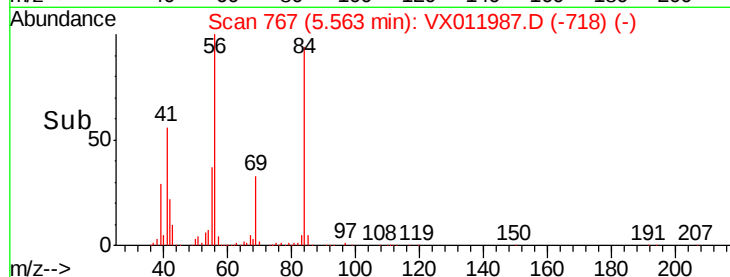
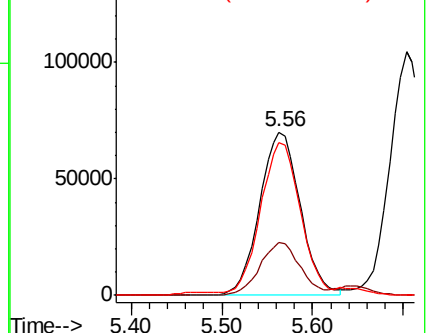
84 91.6 69.6 104.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.271 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

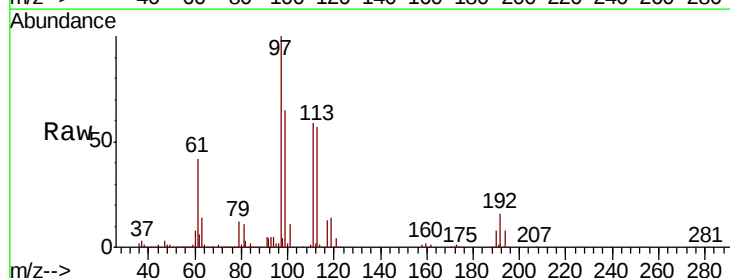
Tgt Ion: 97 Resp: 280544

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

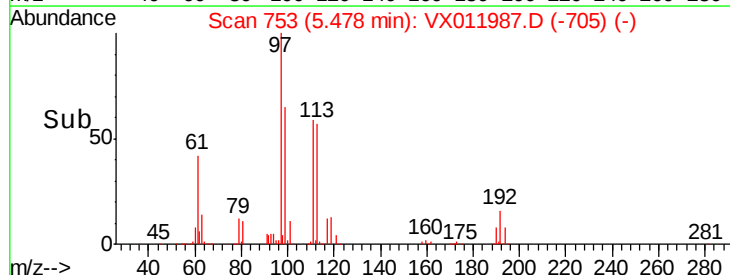
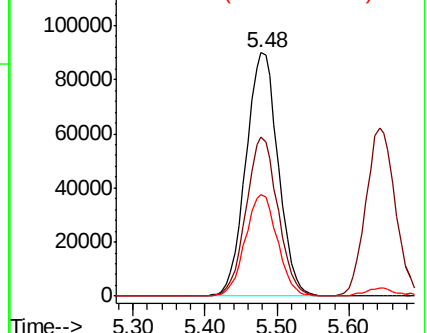
61 41.6 33.8 50.6

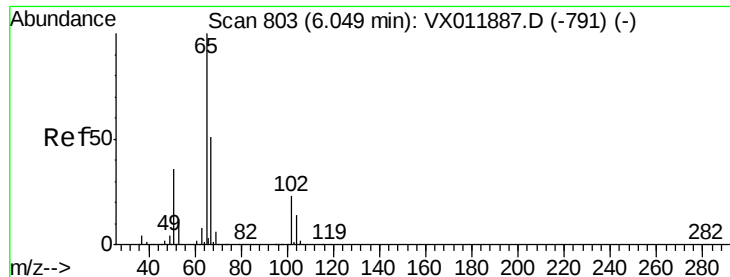


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 42.468 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

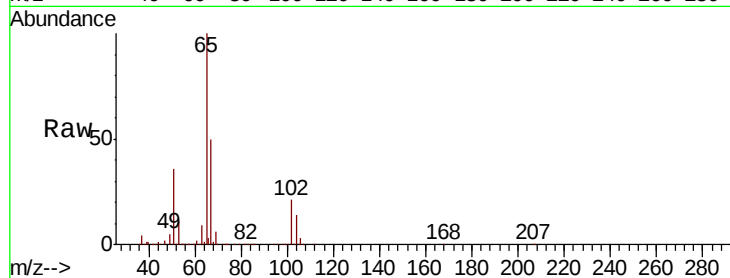
VSTDCCC050

Tgt Ion: 65 Resp: 152109

Ion Ratio Lower Upper

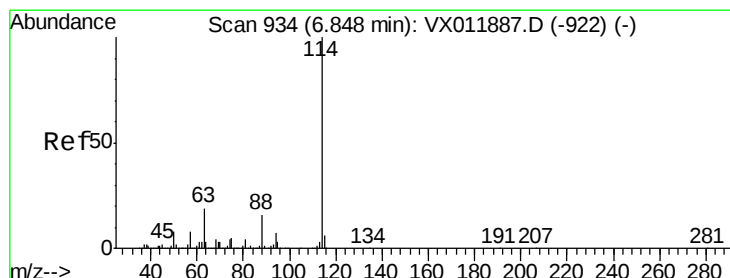
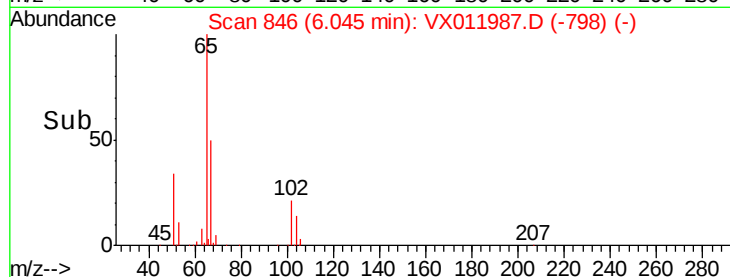
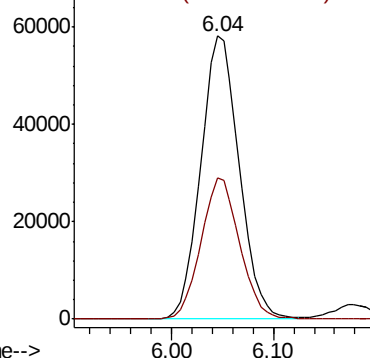
65 100

67 49.9 0.0 102.2



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: 6.84 min Scan# 977

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

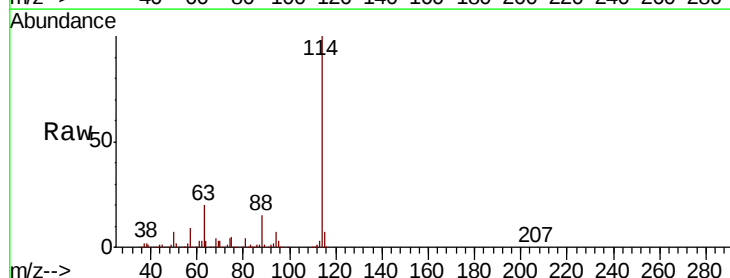
Tgt Ion: 114 Resp: 484151

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

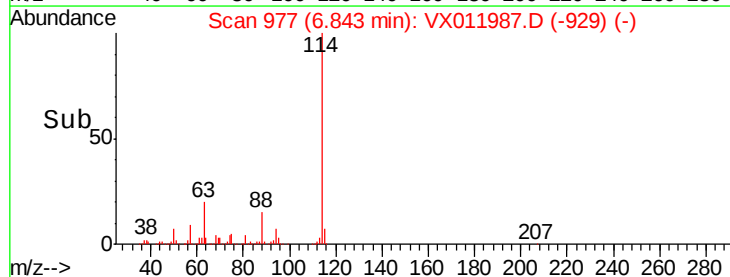
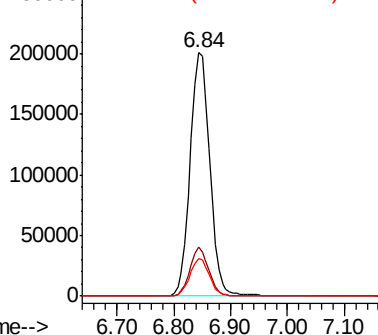
88 15.4 0.0 31.2

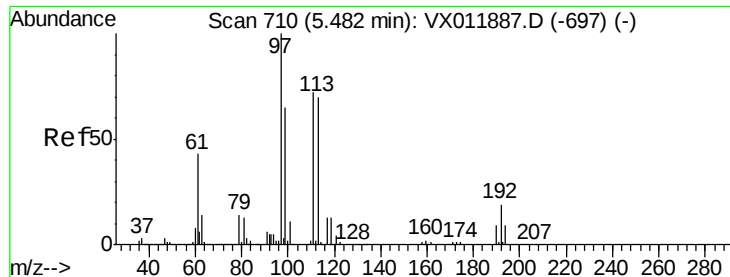


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

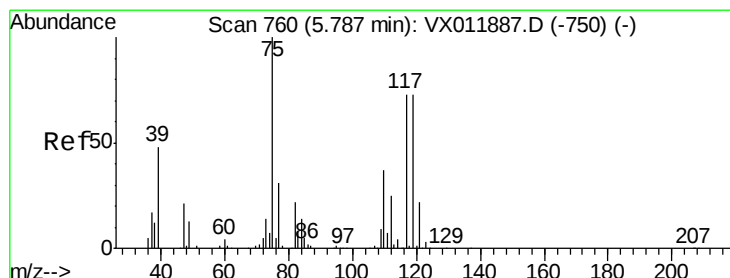
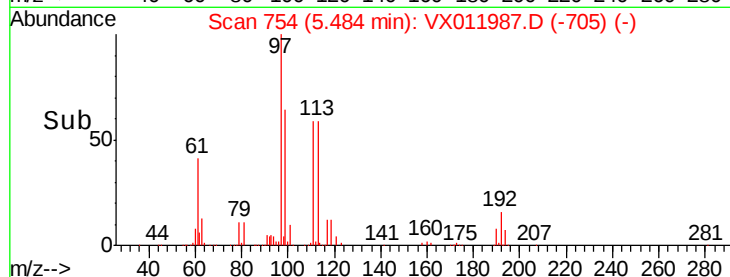
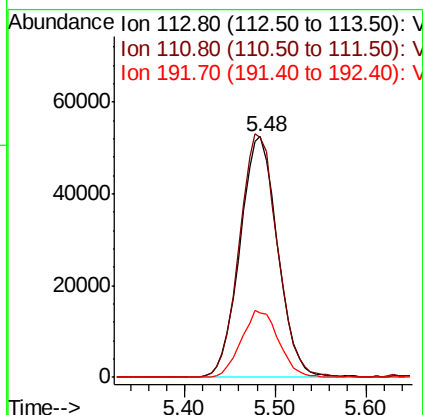
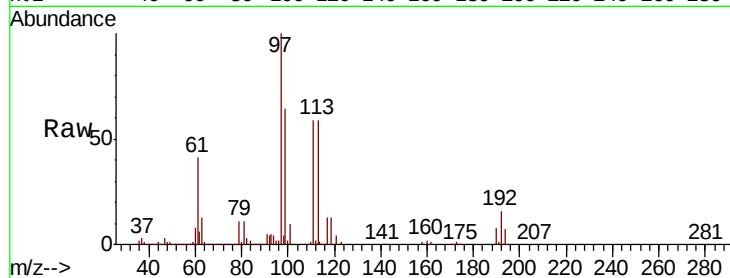




#35
 Dibromofluoromethane
 Concen: 48.655 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

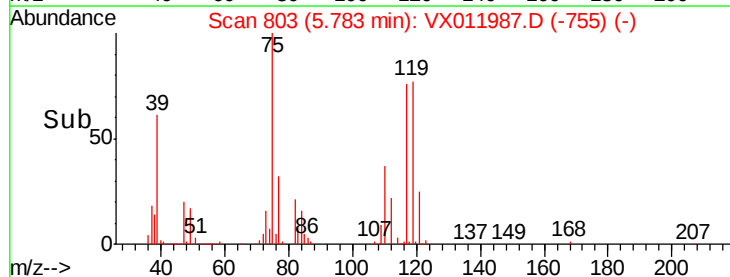
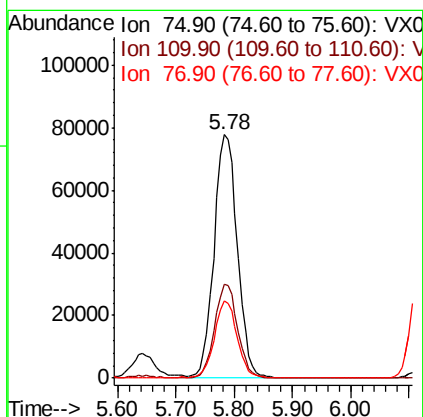
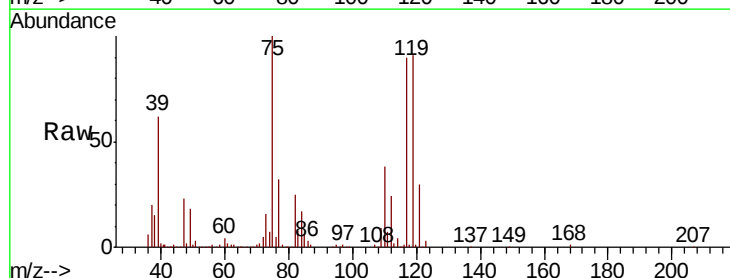
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

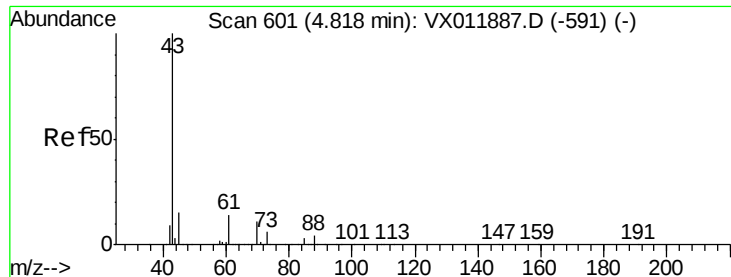
Tgt Ion: 113 Resp: 151052
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.1 123.1
 192 27.7 21.5 32.3



#36
 1,1-Dichloropropene
 Concen: 56.100 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion: 75 Resp: 215178
 Ion Ratio Lower Upper
 75 100
 110 38.0 19.1 57.3
 77 30.6 24.4 36.6

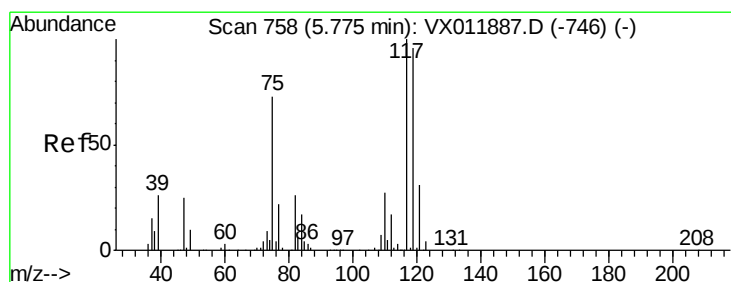
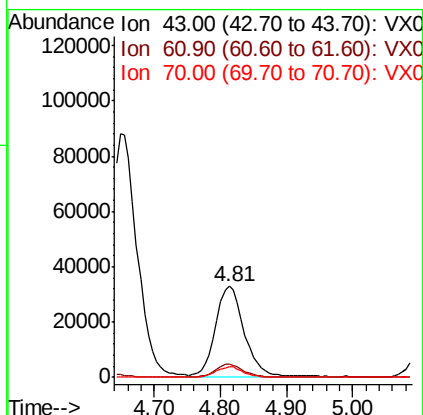
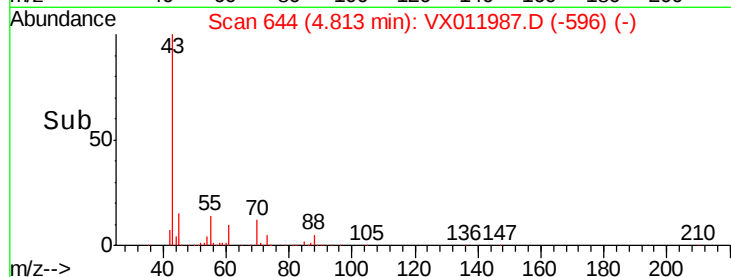
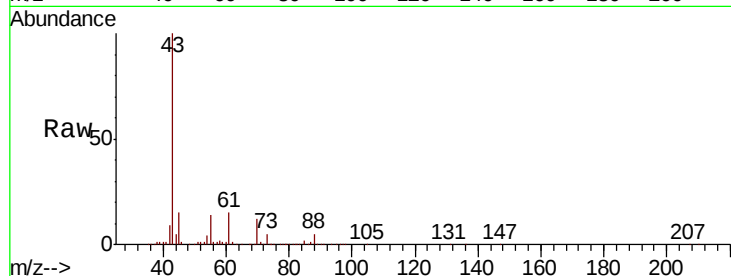




#37
Ethyl Acetate
Concen: 43.349 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

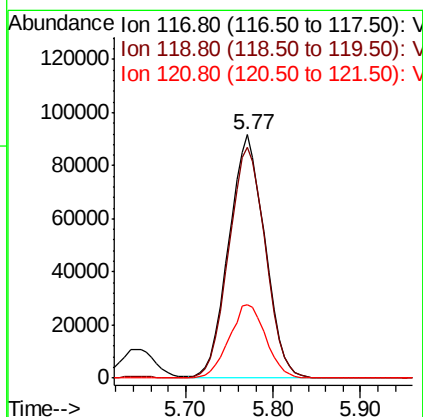
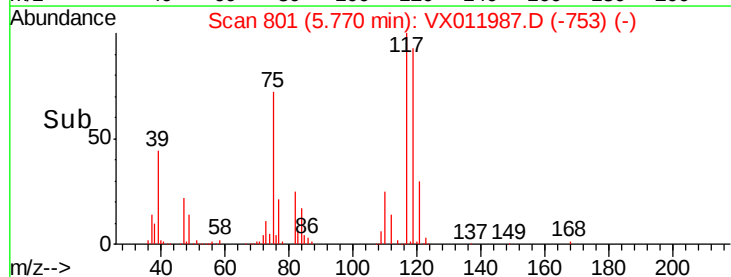
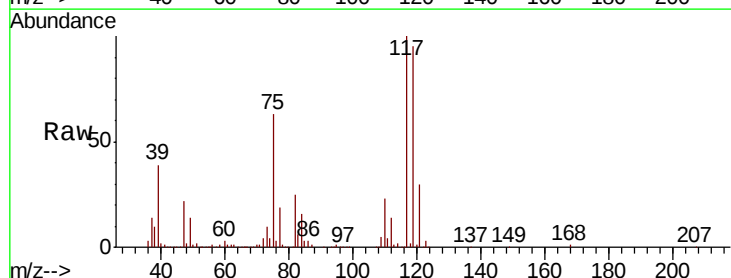
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

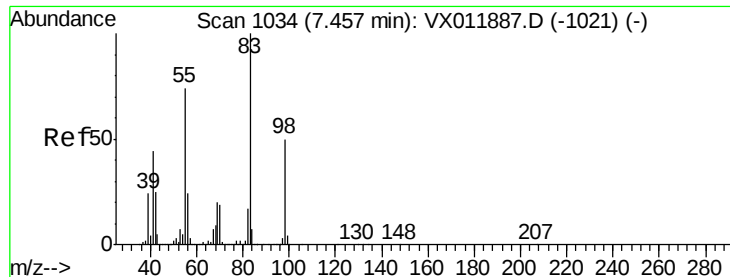
Tgt Ion: 43 Resp: 98422
Ion Ratio Lower Upper
43 100
61 13.5 11.0 16.4
70 11.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 59.010 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 117 Resp: 262506
Ion Ratio Lower Upper
117 100
119 95.0 76.6 114.8
121 30.4 24.7 37.1

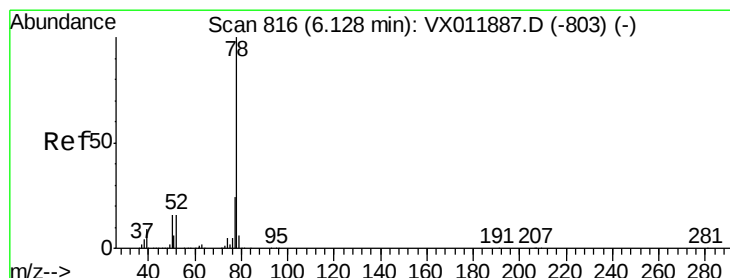
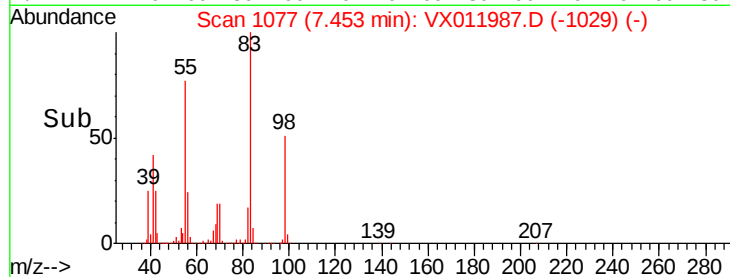
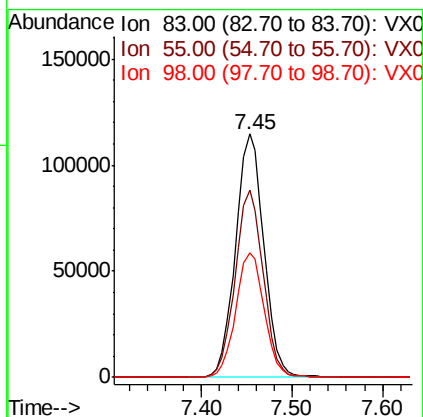
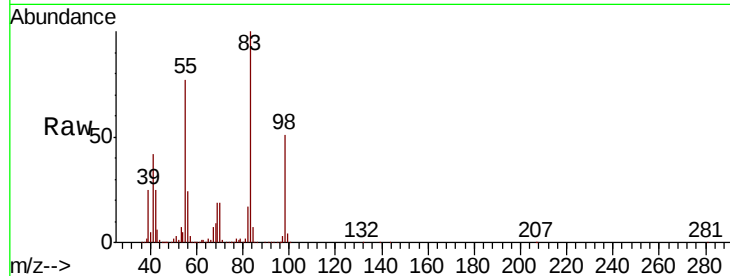




#39
Methylcyclohexane
Concen: 54.451 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

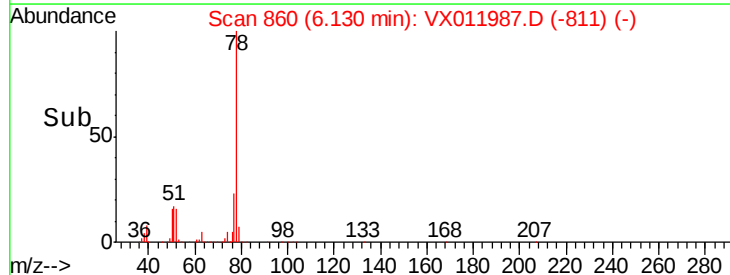
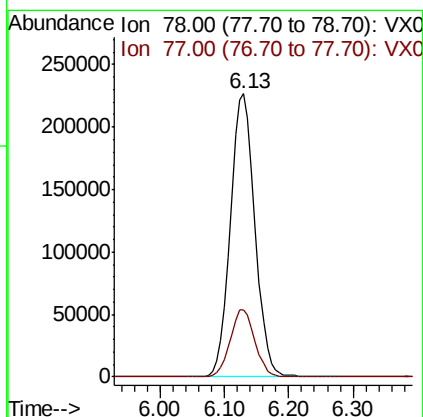
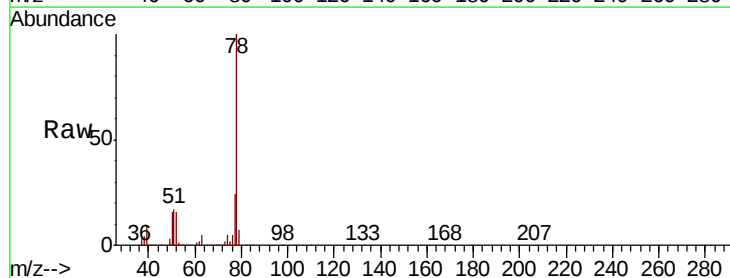
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

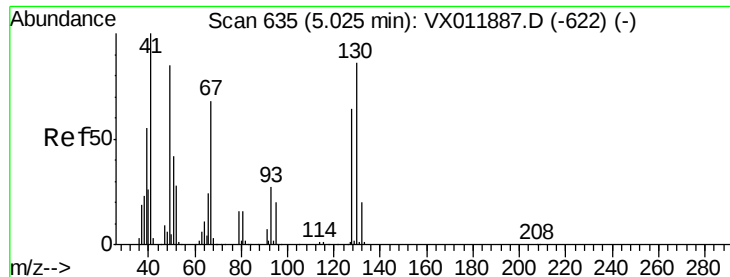
Tgt Ion: 83 Resp: 248767
Ion Ratio Lower Upper
83 100
55 76.7 59.4 89.0
98 51.2 40.3 60.5



#40
Benzene
Concen: 52.799 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 78 Resp: 604506
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

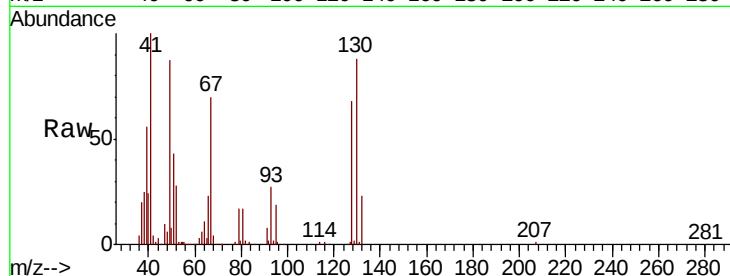




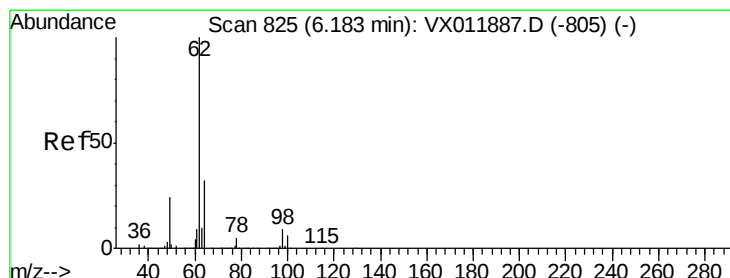
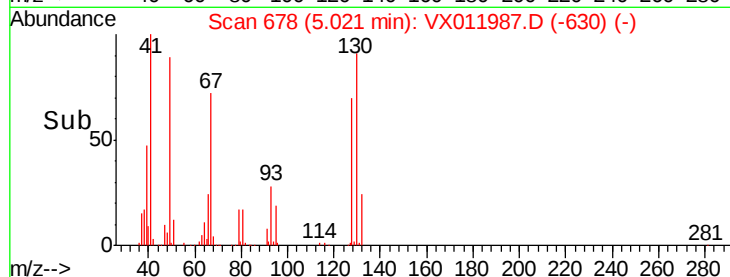
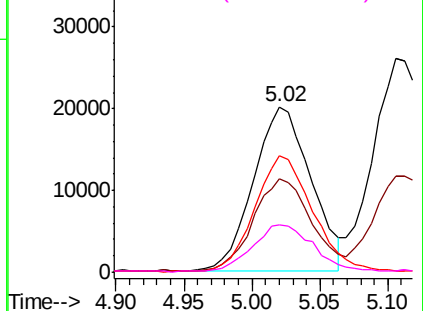
#41
Methacrylonitrile
Concen: 44.221 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	59116
Ion	Ratio	Lower	Upper
41	100		
39	57.0	45.0	67.6
67	71.7	55.0	82.4
52	29.2	24.1	36.1

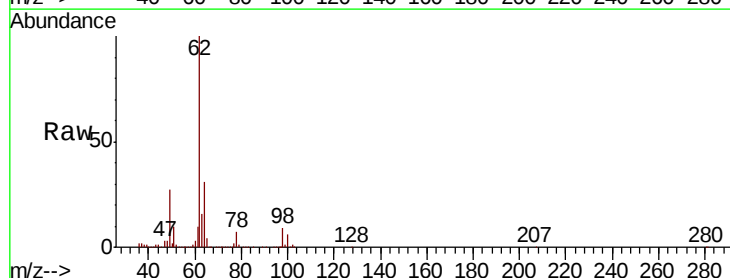


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

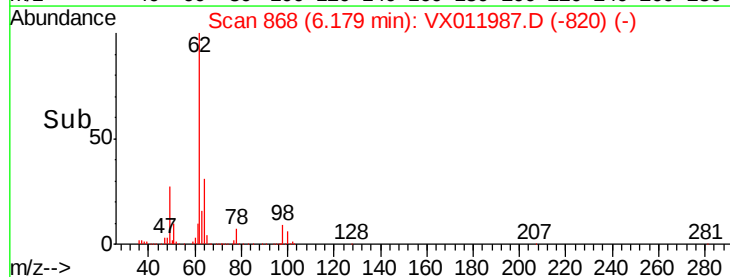
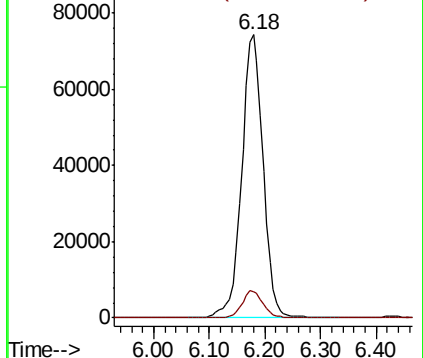


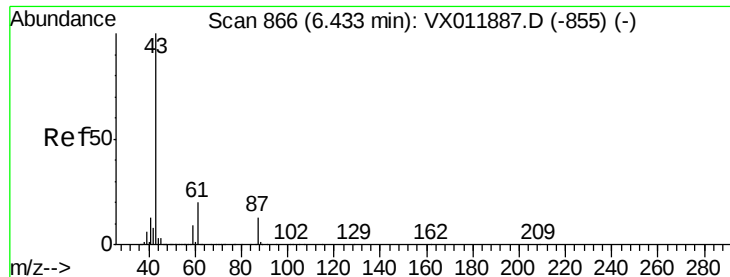
#42
1,2-Dichloroethane
Concen: 50.957 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion:	62	Resp:	198402
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.2



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





#43

Isopropyl Acetate

Concen: 43.725 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

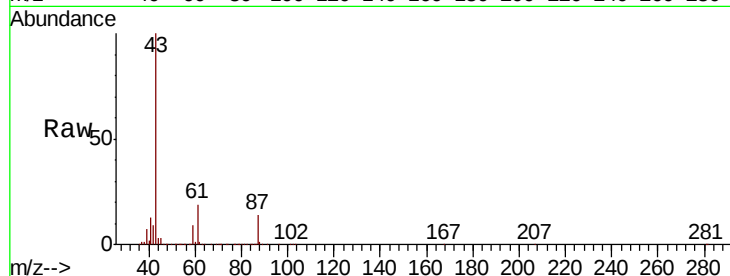
Tgt Ion: 43 Resp: 201279

Ion Ratio Lower Upper

43 100

61 19.6 16.1 24.1

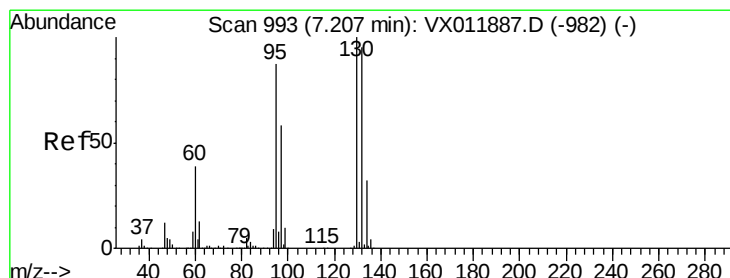
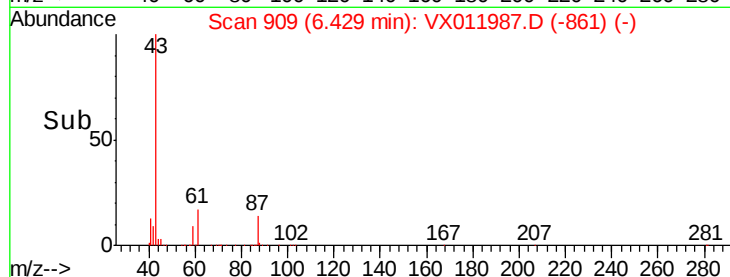
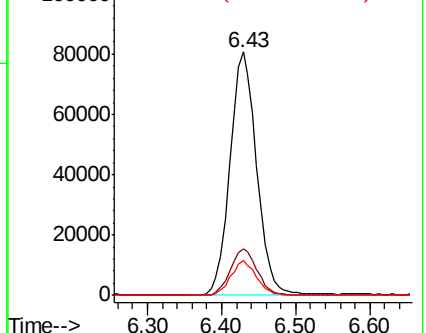
87 13.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 55.605 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX011887.D

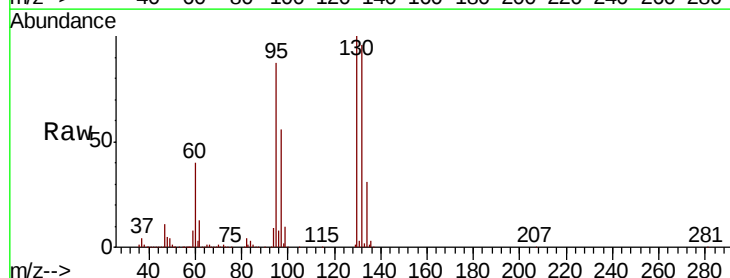
Acq: 01 Sep 2019 10:41

Tgt Ion: 130 Resp: 196977

Ion Ratio Lower Upper

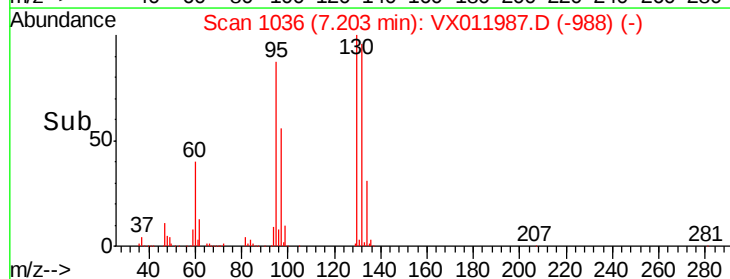
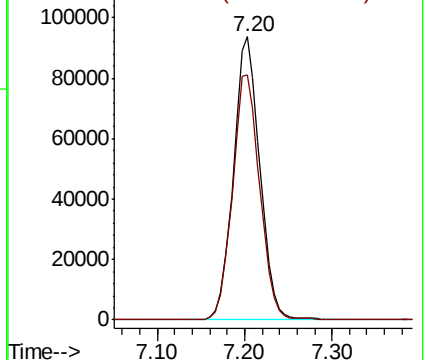
130 100

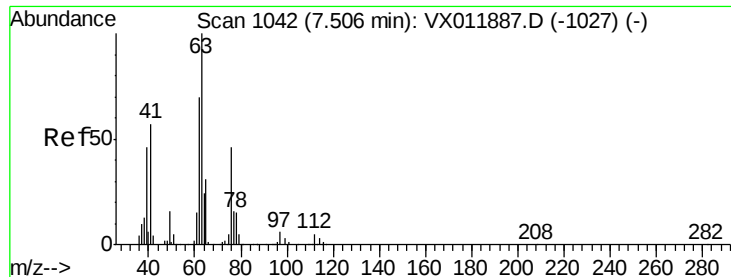
95 86.7 0.0 174.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

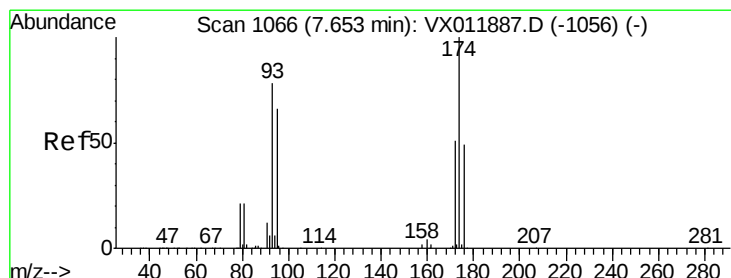
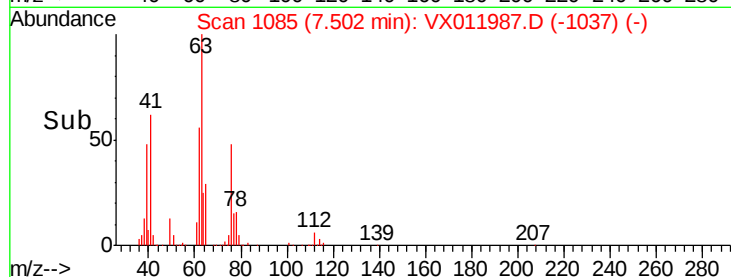
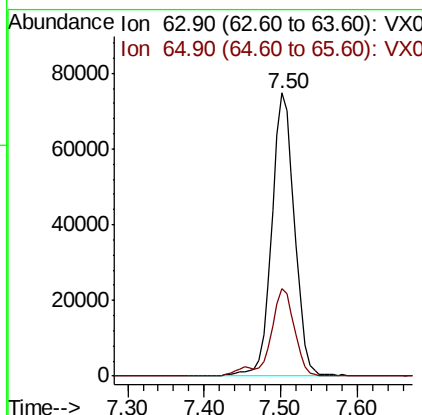
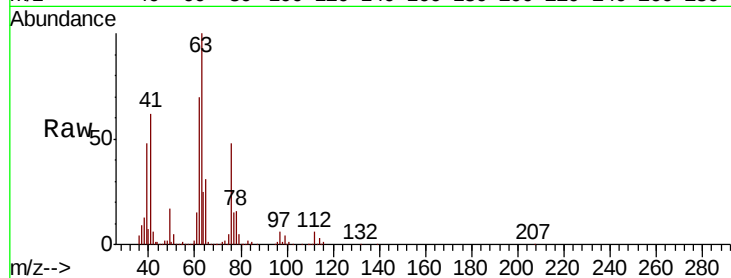




#45
 1,2-Dichloropropane
 Concen: 51.380 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

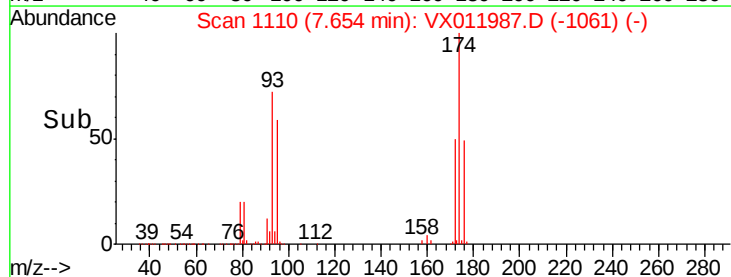
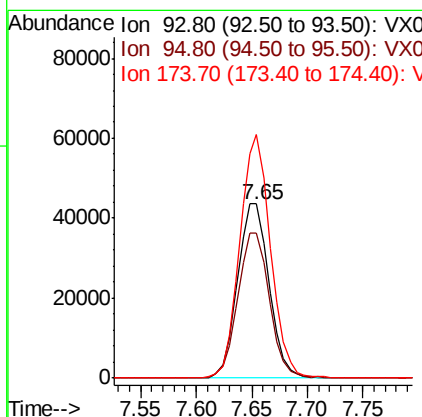
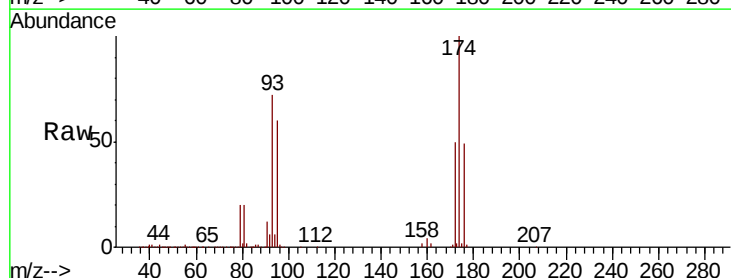
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

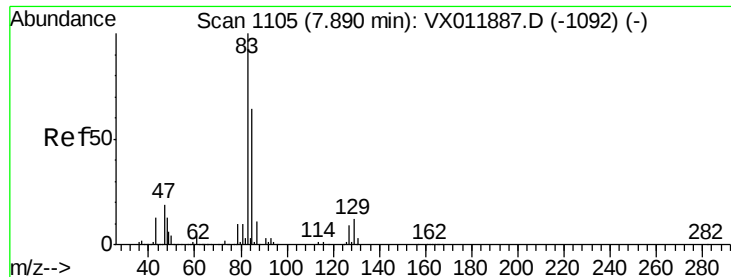
Tgt Ion: 63 Resp: 153876
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.1 37.7



#46
 Dibromomethane
 Concen: 48.435 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion: 93 Resp: 86086
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.7 98.5
 174 135.2 104.2 156.4





#47

Bromodichloromethane

Concen: 51.949 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

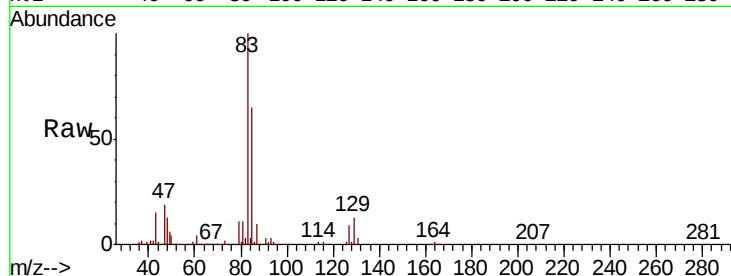
Tgt Ion: 83 Resp: 228955

Ion Ratio Lower Upper

83 100

85 65.3 51.1 76.7

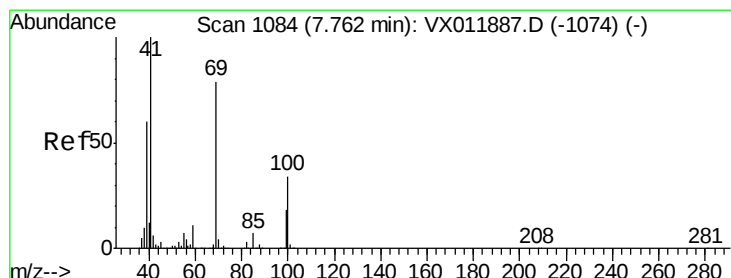
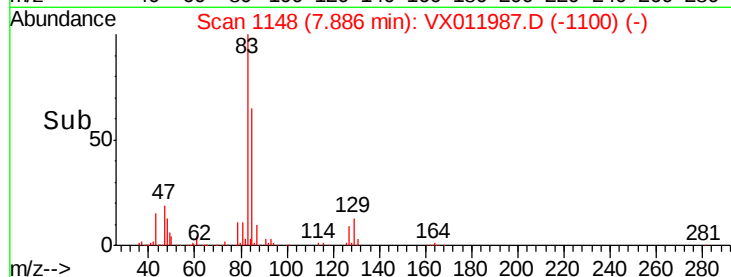
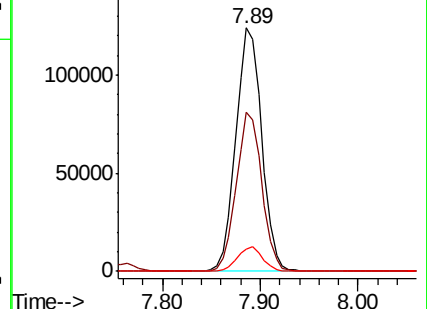
127 9.3 7.4 11.2



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: 44.587 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

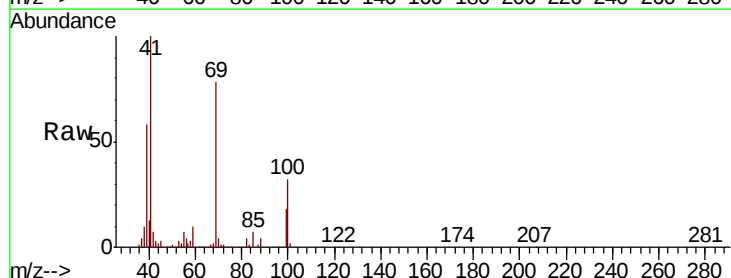
Tgt Ion: 41 Resp: 99865

Ion Ratio Lower Upper

41 100

69 81.0 64.4 96.6

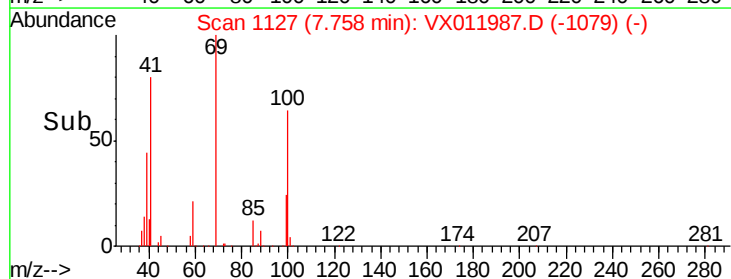
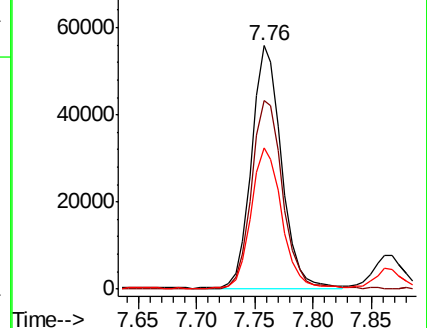
39 59.4 47.2 70.8

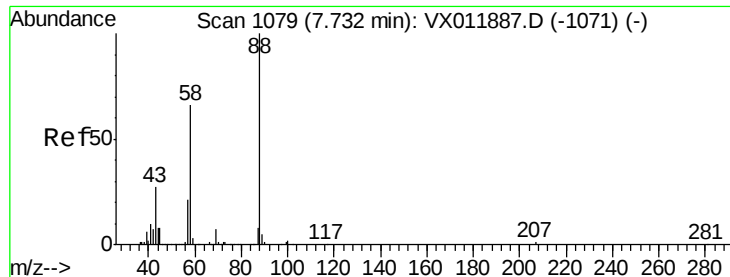


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

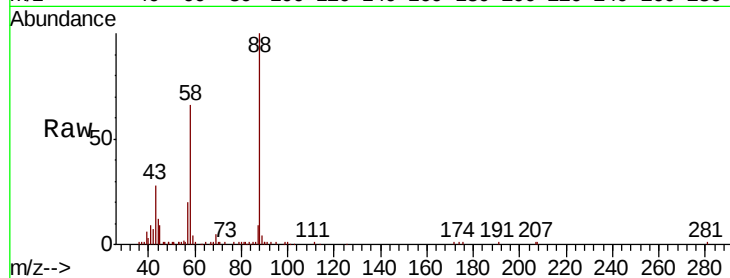




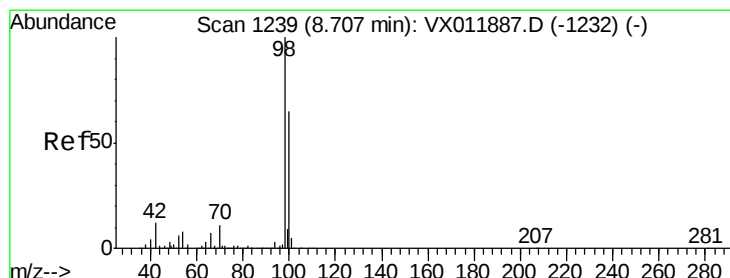
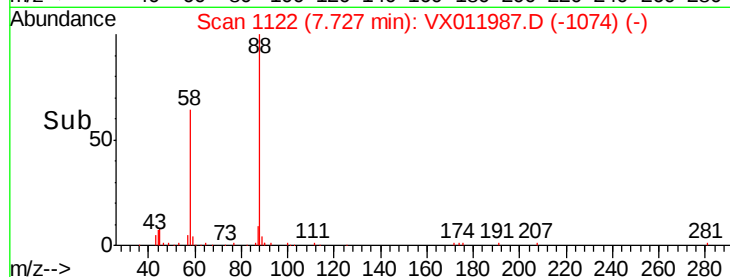
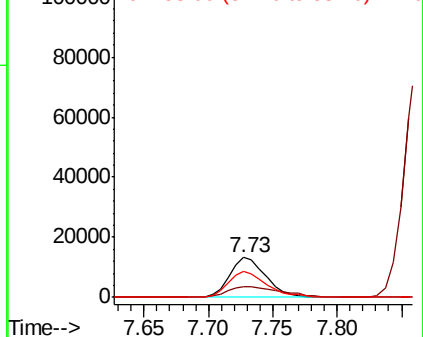
#49
1,4-Dioxane
Concen: 848.059 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 26120
Ion Ratio Lower Upper
88 100
43 37.0 27.3 40.9
58 69.4 53.9 80.9

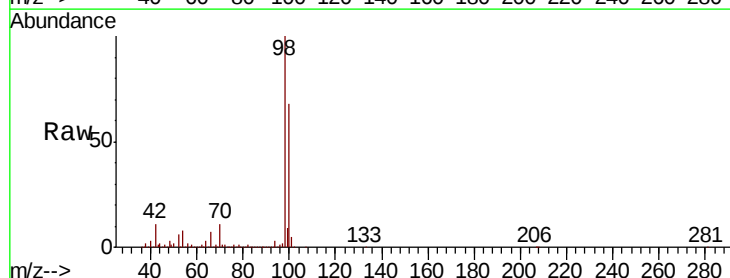


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

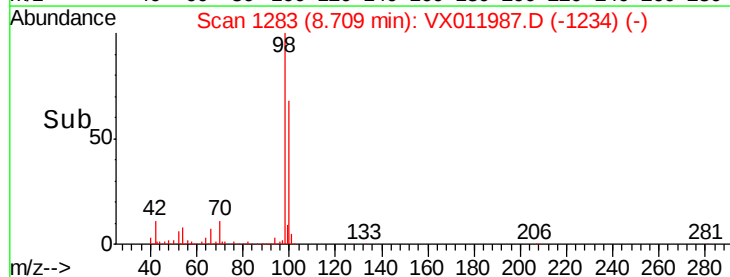
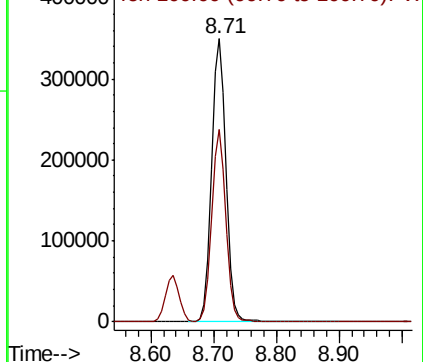


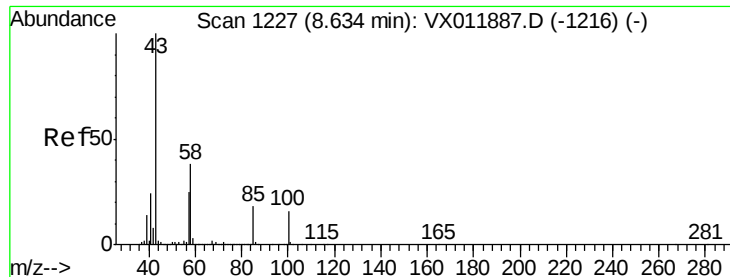
#50
Toluene-d8
Concen: 49.823 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 98 Resp: 552926
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

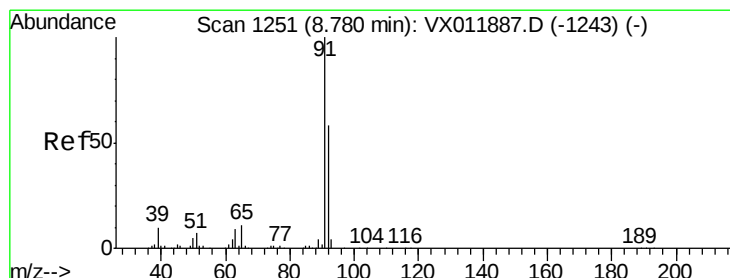
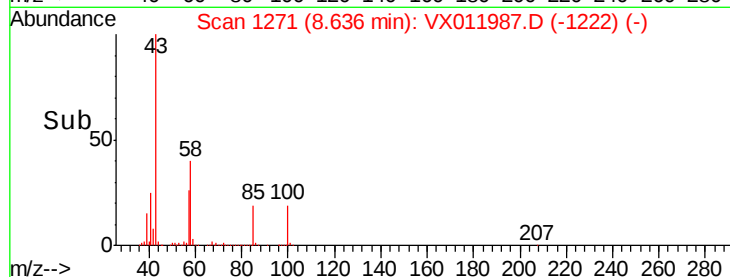
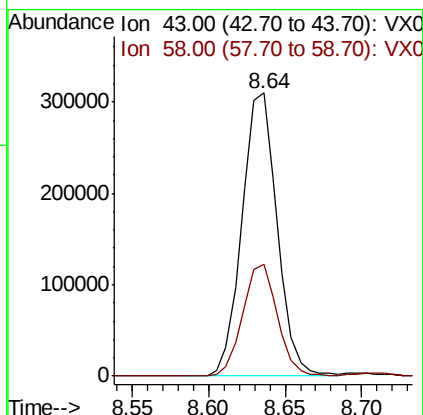
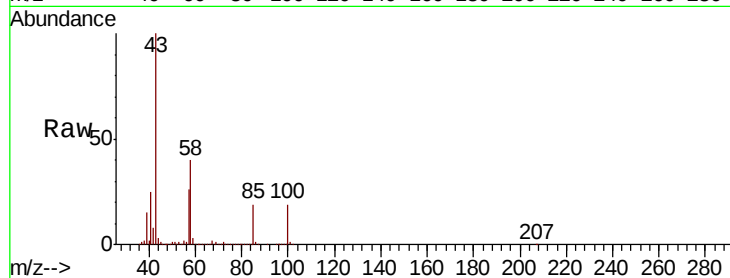




#51
 4-Methyl-2-Pentanone
 Concen: 211.534 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

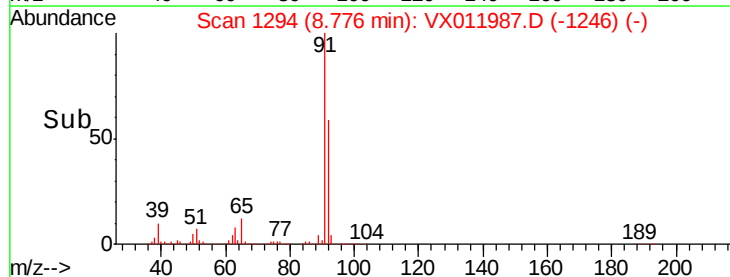
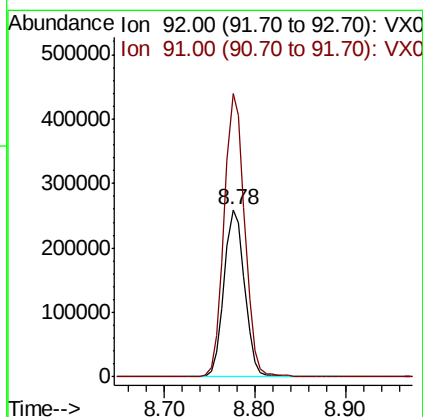
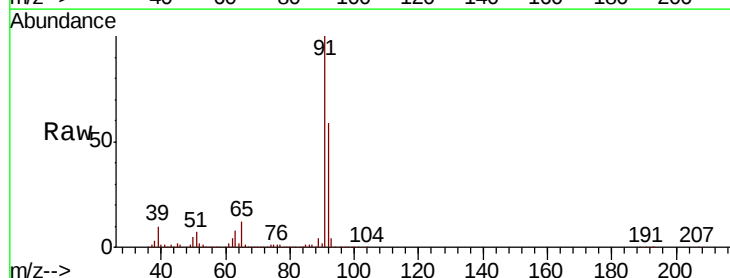
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

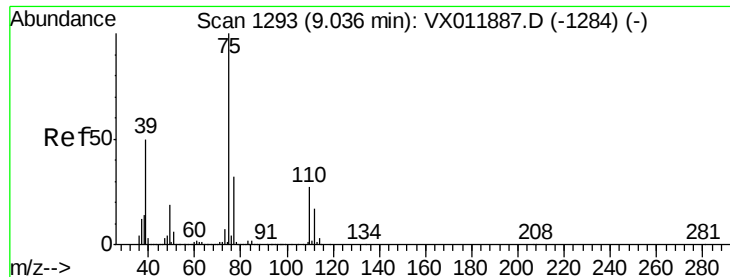
Tgt Ion: 43 Resp: 494670
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.9 46.3



#52
 Toluene
 Concen: 54.474 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion: 92 Resp: 412615
 Ion Ratio Lower Upper
 92 100
 91 169.0 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 50.418 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

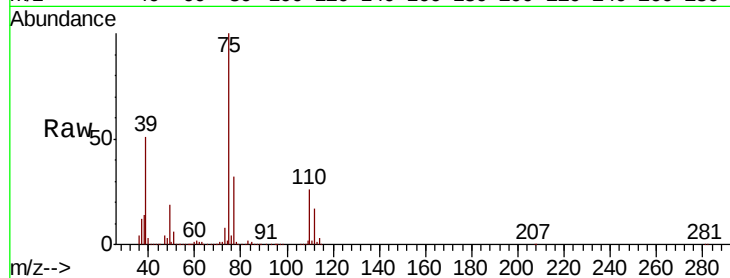
VSTDCCC050

Tgt Ion: 75 Resp: 227617

Ion Ratio Lower Upper

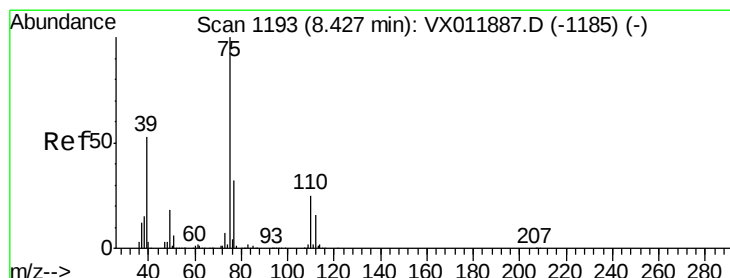
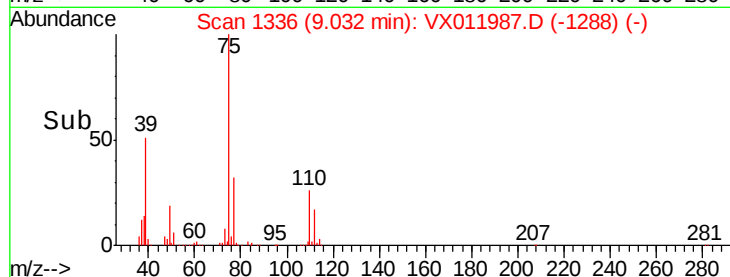
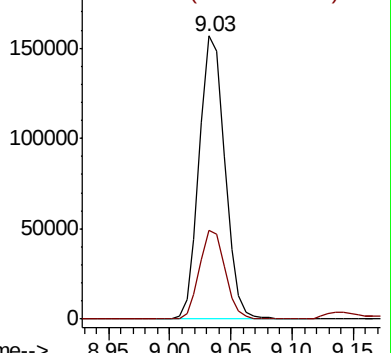
75 100

77 31.6 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.314 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

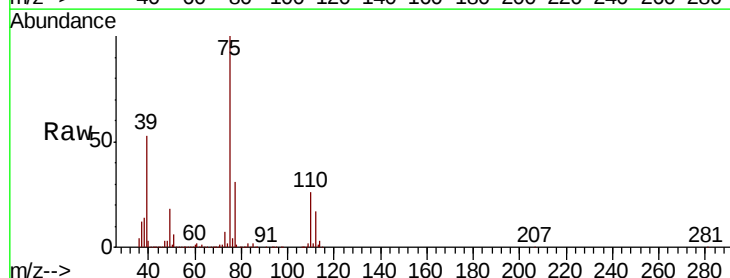
Tgt Ion: 75 Resp: 260053

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

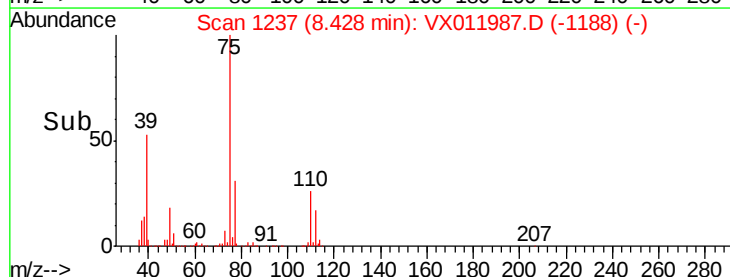
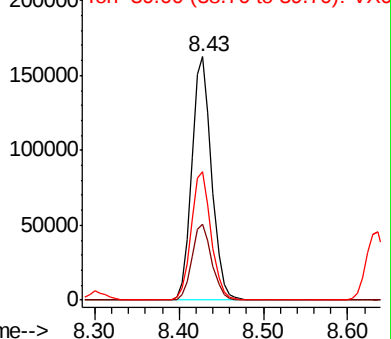
39 52.6 42.6 64.0

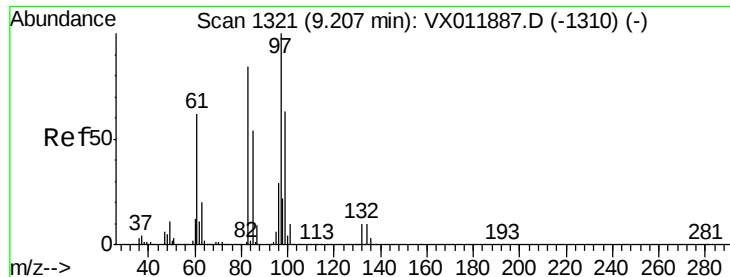


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

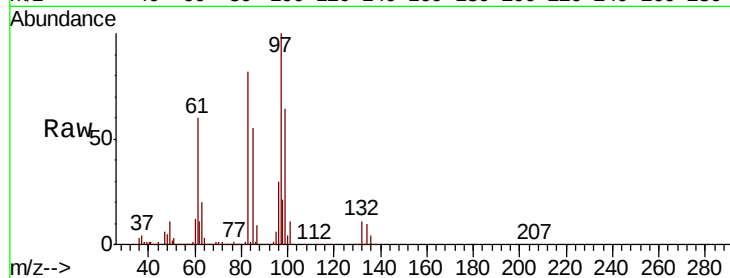




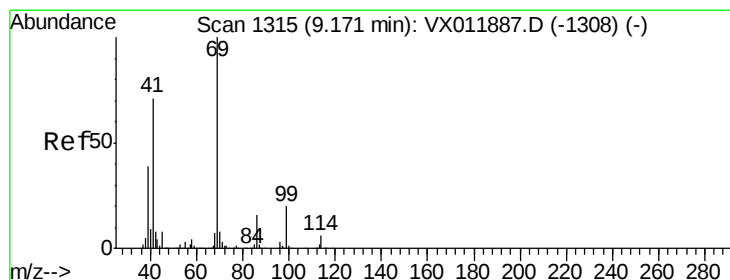
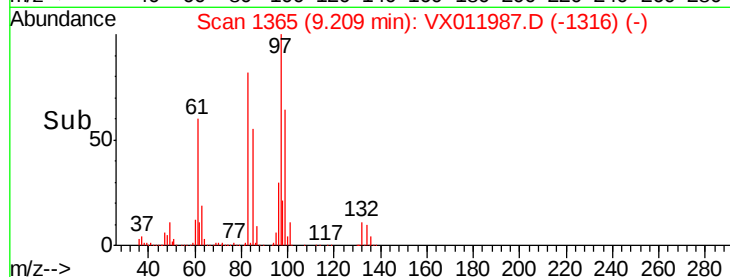
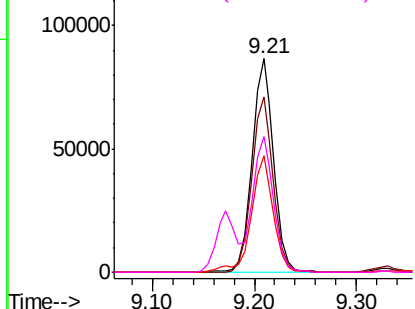
#55
 1,1,2-Trichloroethane
 Concen: 49.089 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	127729
Ion	Ratio	Lower	Upper
97	100		
83	81.8	66.8	100.2
85	54.8	43.5	65.3
99	63.5	50.6	75.8

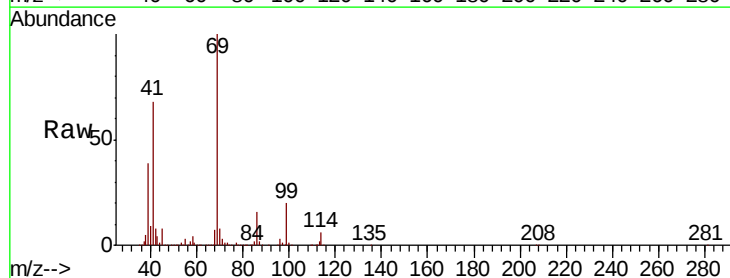


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

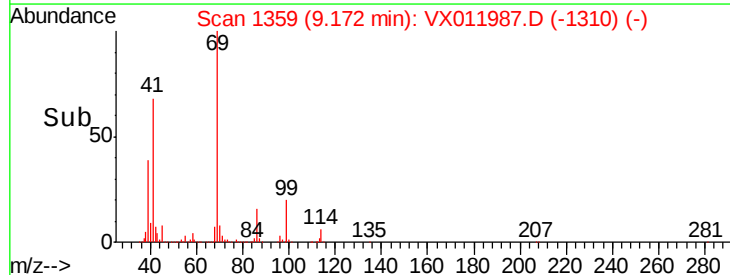
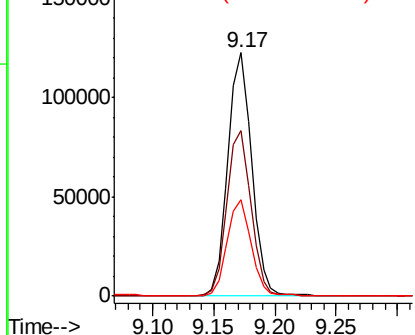


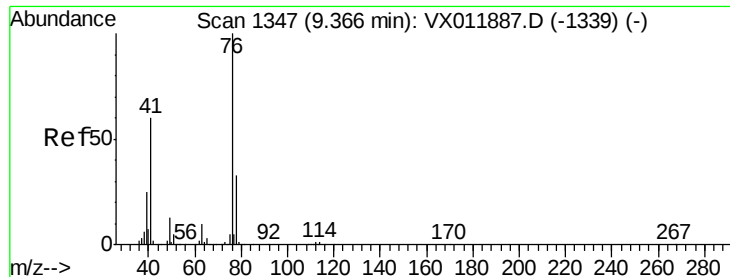
#56
 Ethyl methacrylate
 Concen: 45.961 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion:	69	Resp:	165978
Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.8	83.8
39	39.3	31.1	46.7



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: 48.588 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

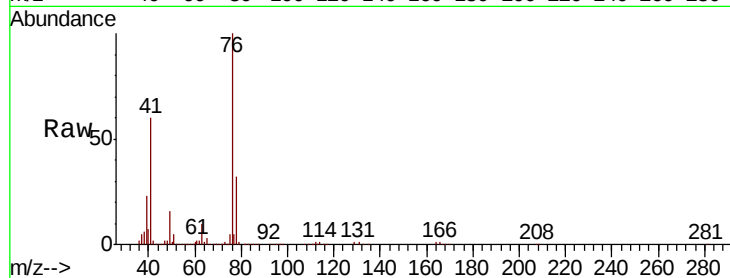
VSTDCCC050

Tgt Ion: 76 Resp: 209840

Ion Ratio Lower Upper

76 100

78 32.5 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

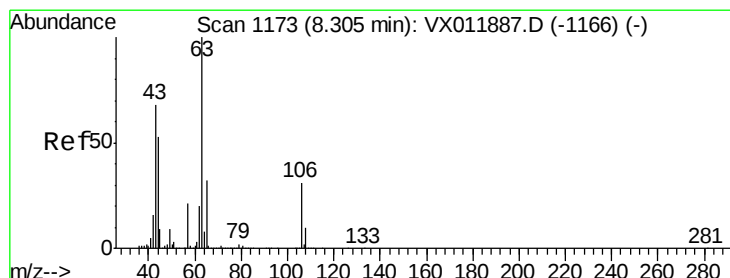
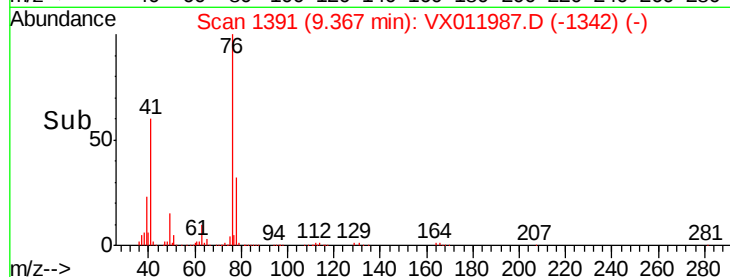
100000

50000

0

9.30 9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 210.149 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VX011987.D

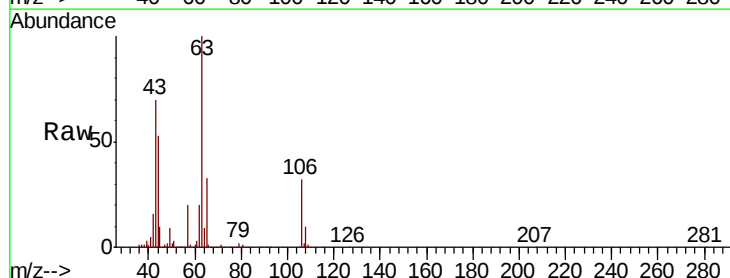
Acq: 01 Sep 2019 10:41

Tgt Ion: 63 Resp: 361463

Ion Ratio Lower Upper

63 100

106 32.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

250000

200000

150000

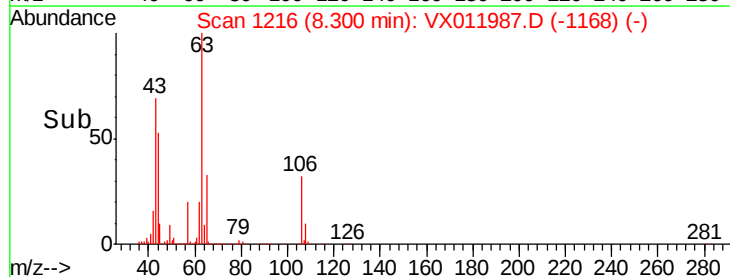
100000

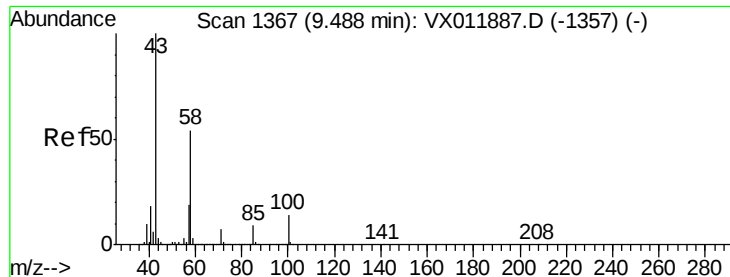
50000

0

8.20 8.30 8.40

Time-->

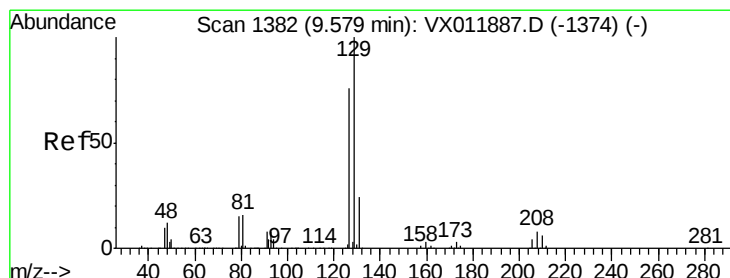
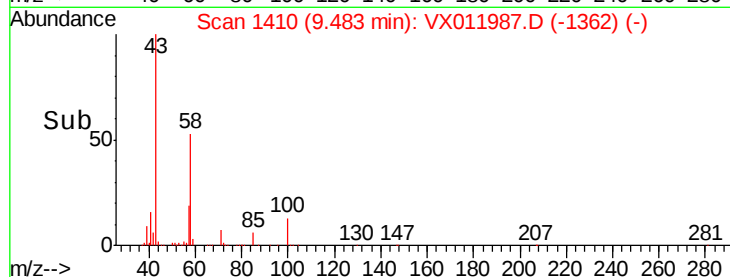
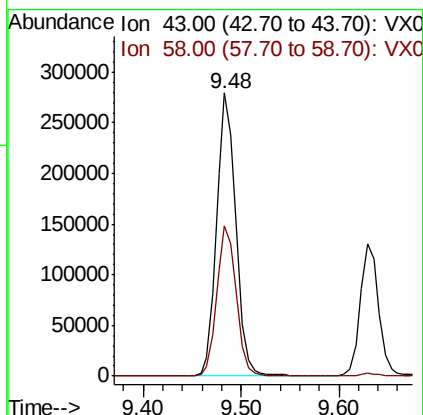
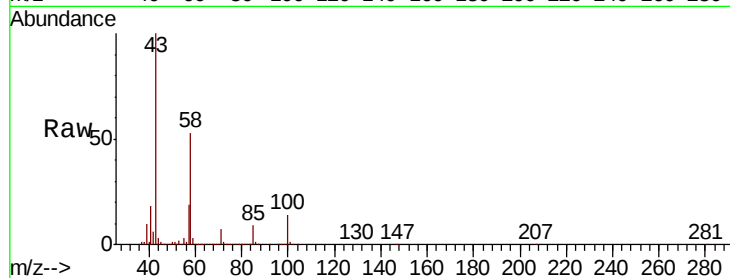




#59
2-Hexanone
Concen: 228.427 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 10:41

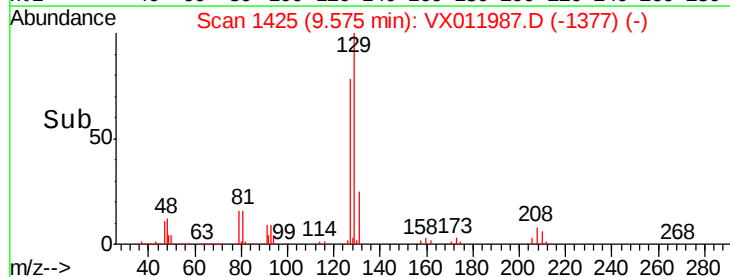
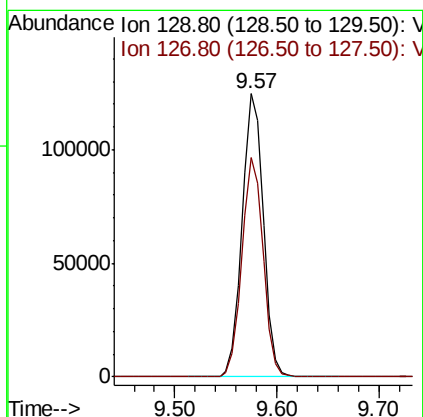
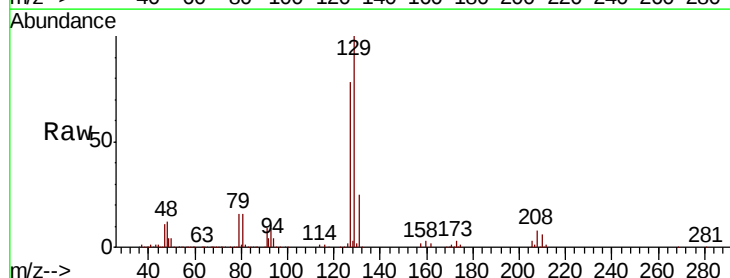
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

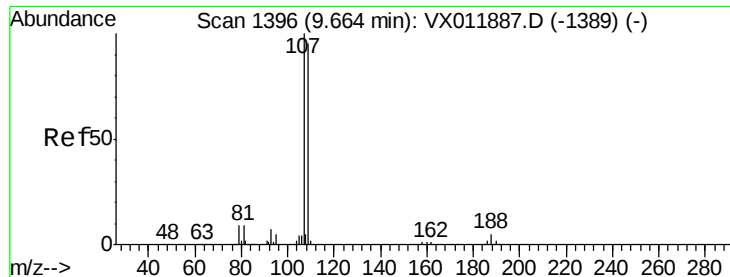
Tgt Ion: 43 Resp: 379445
Ion Ratio Lower Upper
43 100
58 53.8 26.8 80.4



#60
Dibromochloromethane
Concen: 51.219 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 129 Resp: 178998
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.7

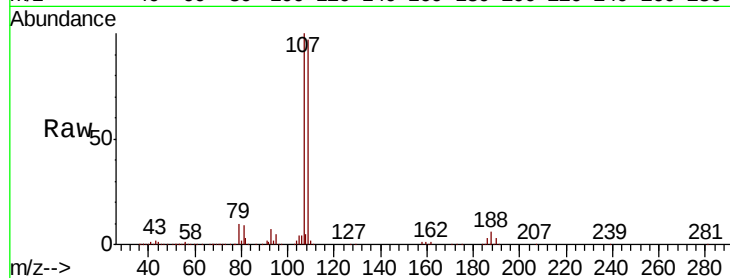




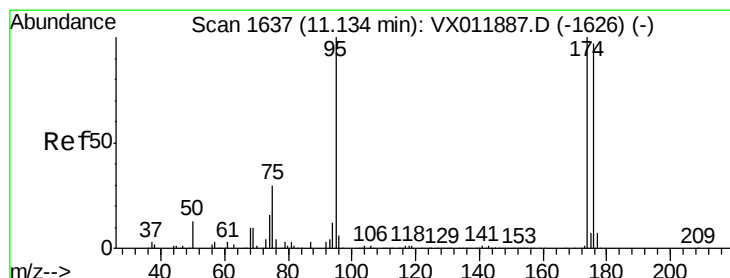
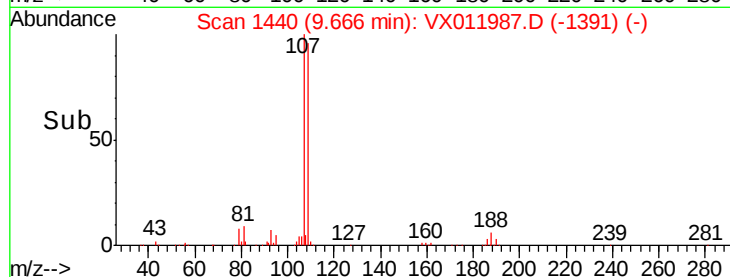
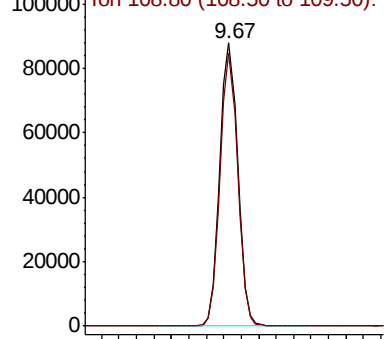
#61
 1,2-Dibromoethane
 Concen: 48.548 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 125242
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.3 112.9

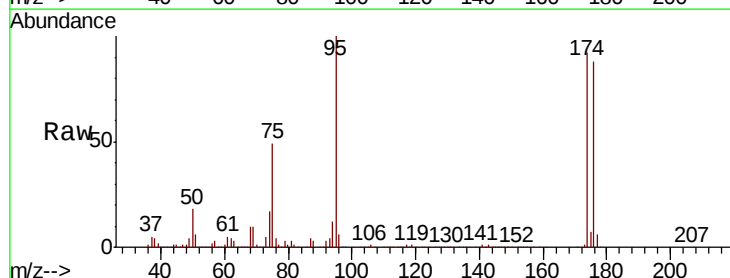


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

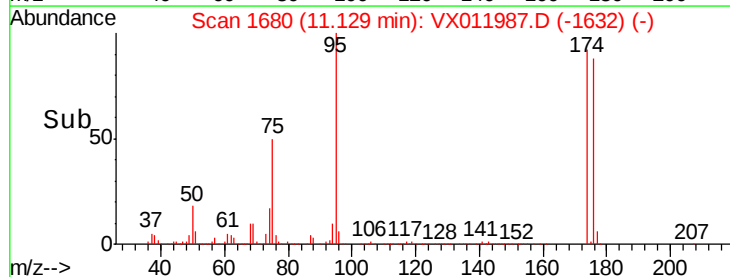
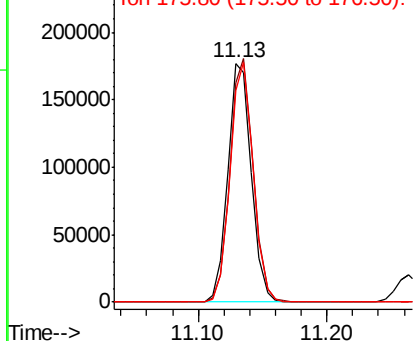


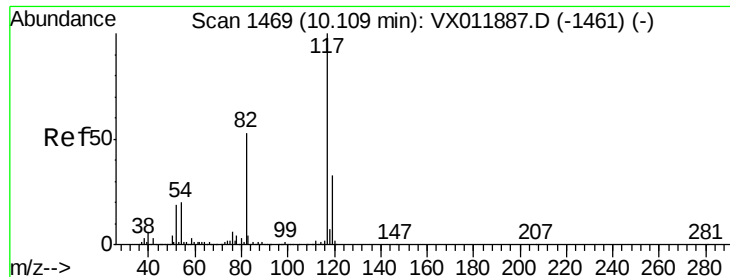
#62
 4-Bromofluorobenzene
 Concen: 46.660 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion: 95 Resp: 227153
 Ion Ratio Lower Upper
 95 100
 174 100.4 0.0 196.0
 176 98.4 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

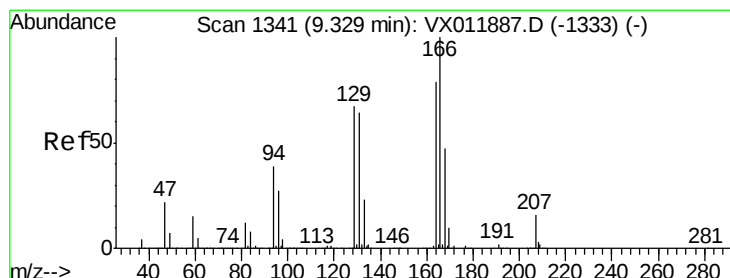
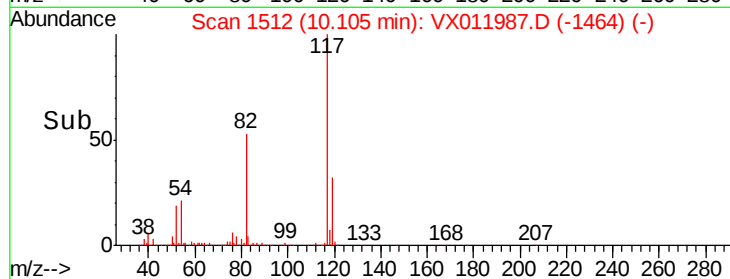
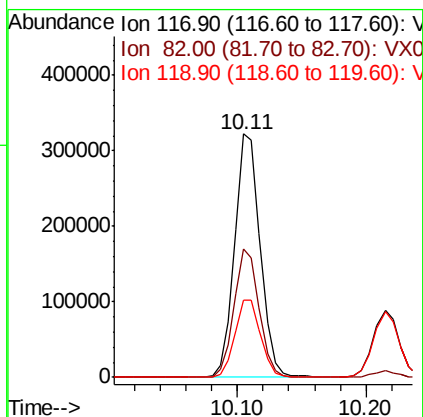
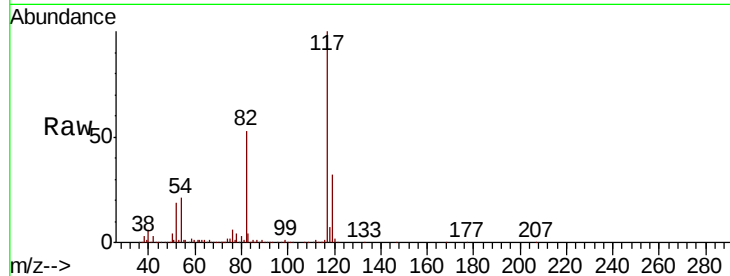




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

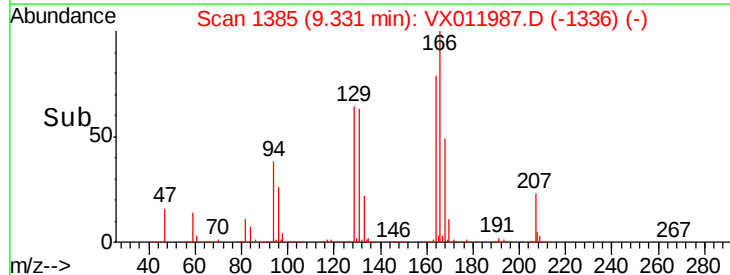
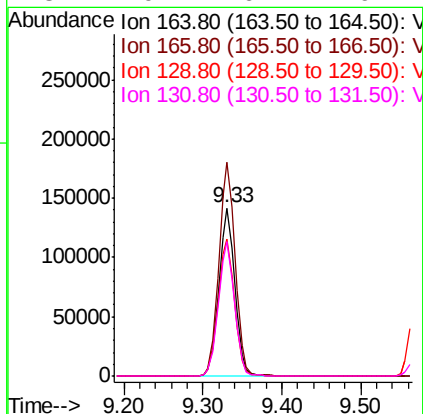
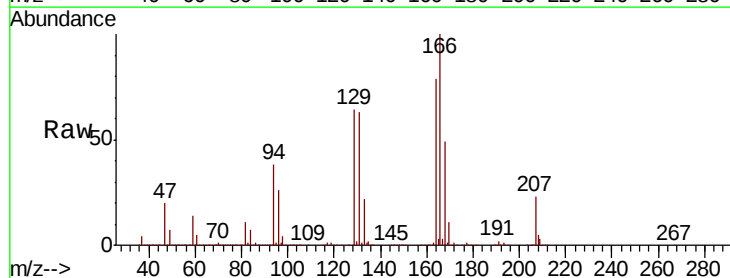
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

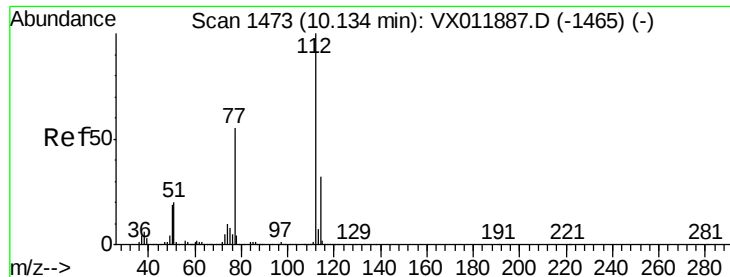
Tgt Ion:117 Resp: 445616
Ion Ratio Lower Upper
117 100
82 52.9 42.0 63.0
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 56.032 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion:164 Resp: 200848
Ion Ratio Lower Upper
164 100
166 126.9 101.4 152.0
129 81.3 68.0 102.0
131 79.7 64.7 97.1





#65

Chlorobenzene

Concen: 55.261 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

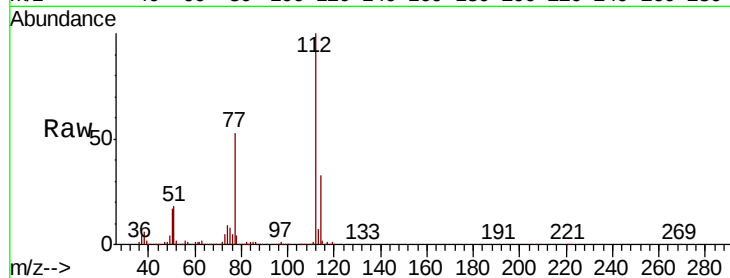
VSTDCCC050

Tgt Ion:112 Resp: 477200

Ion Ratio Lower Upper

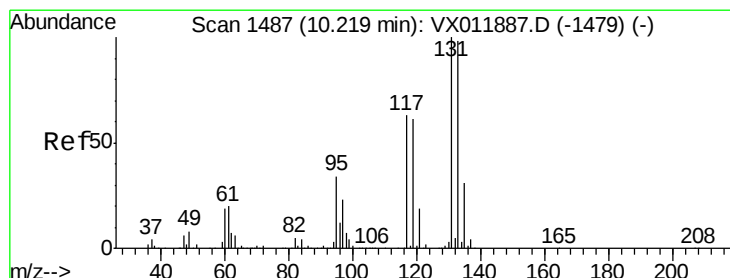
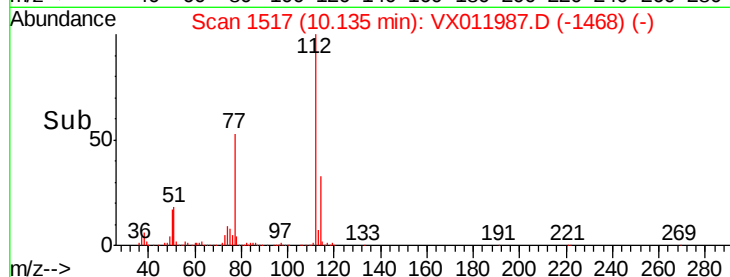
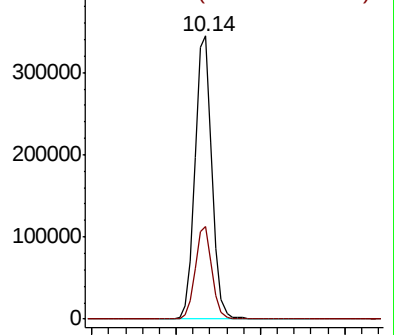
112 100

114 32.7 25.9 38.9



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: 55.382 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

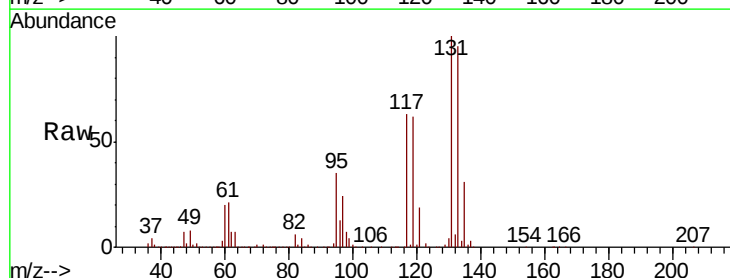
Tgt Ion:131 Resp: 193396

Ion Ratio Lower Upper

131 100

133 96.1 48.4 145.0

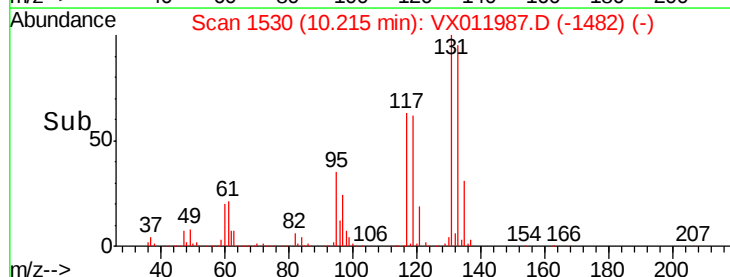
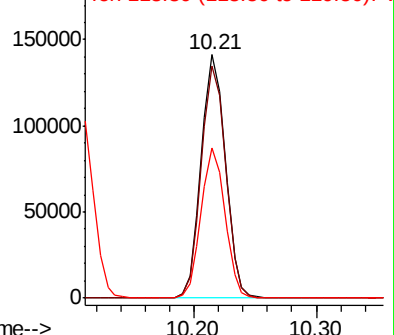
119 61.1 30.6 92.0

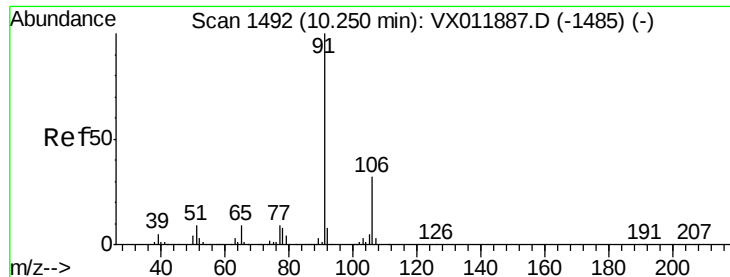


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

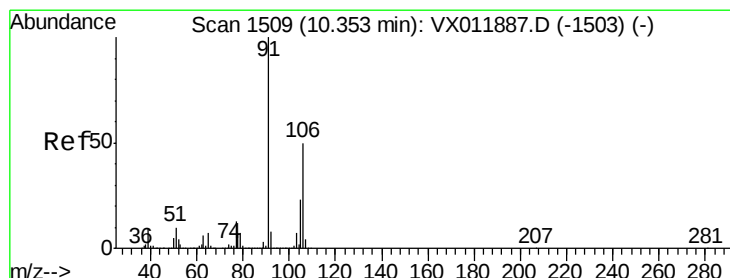
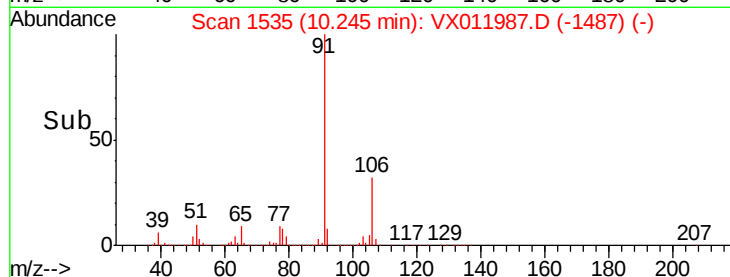
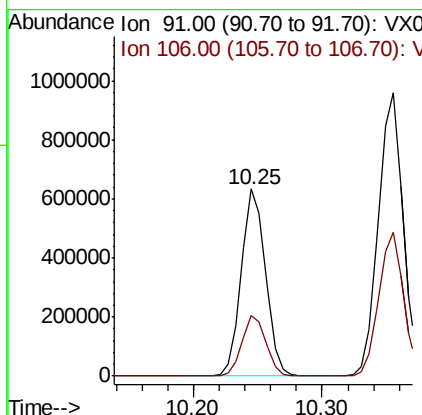
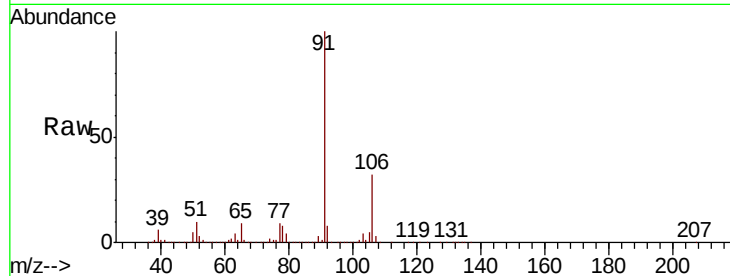




#67
Ethyl Benzene
Concen: 55.976 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

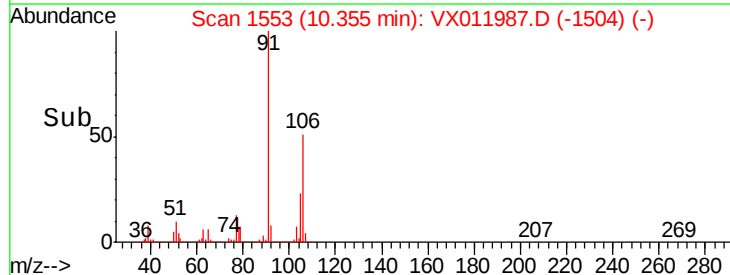
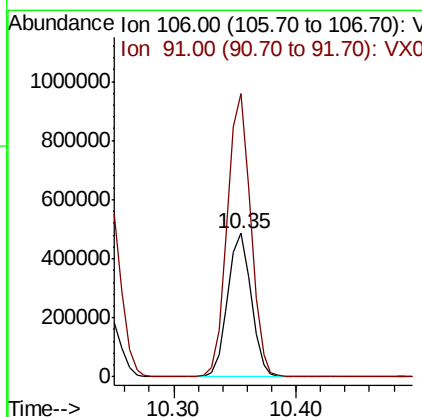
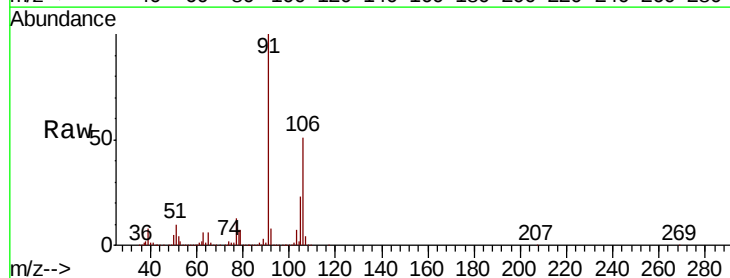
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

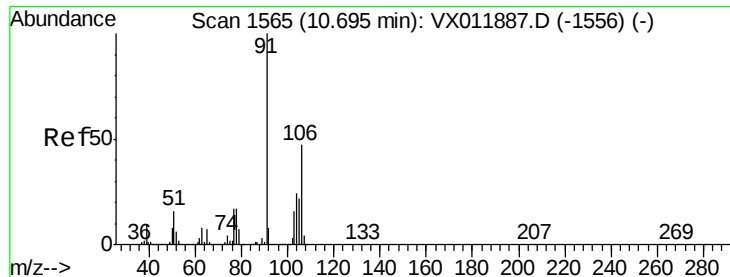
Tgt Ion: 91 Resp: 822231
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.8



#68
m/p-Xylenes
Concen: 113.299 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 106 Resp: 642617
Ion Ratio Lower Upper
106 100
91 197.3 158.6 237.8

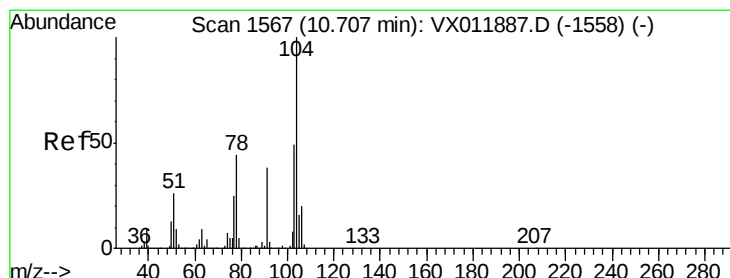
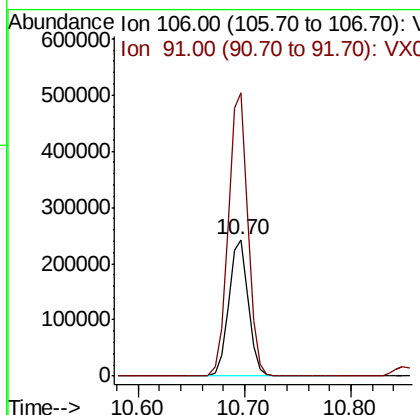
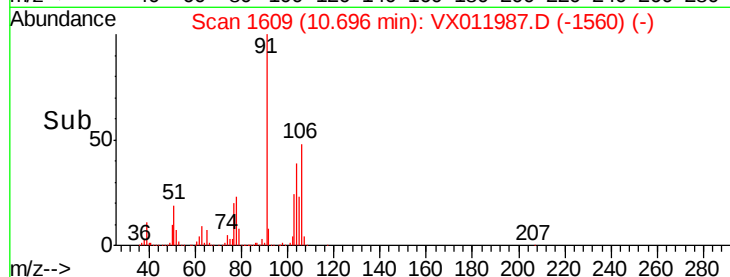
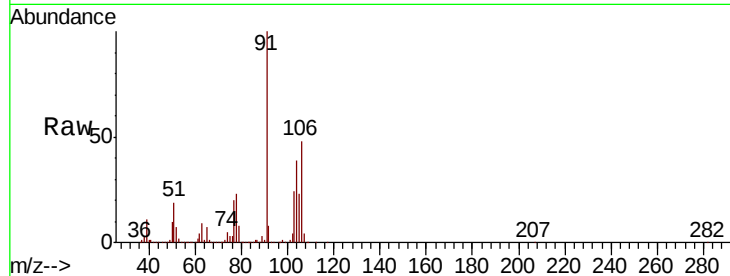




#69
o-Xylene
Concen: 56.177 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

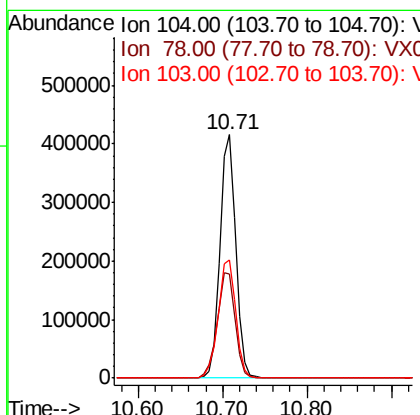
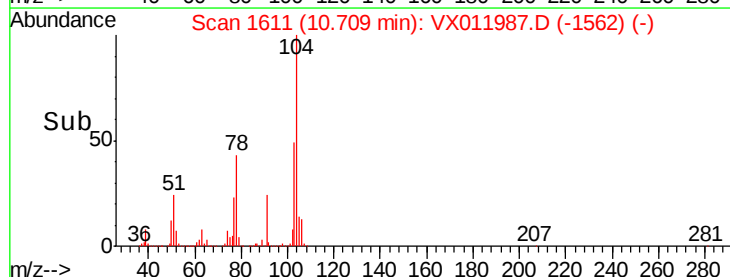
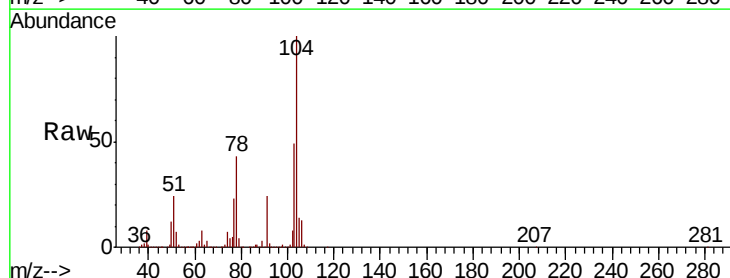
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

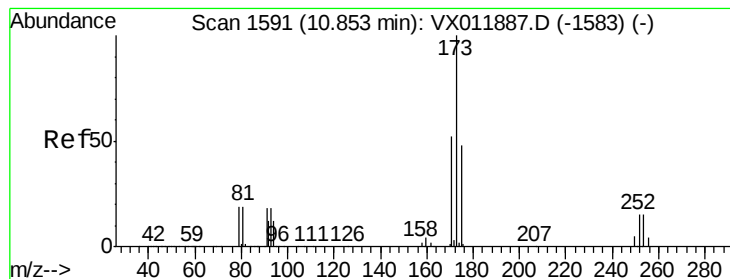
Tgt Ion:106 Resp: 310493
Ion Ratio Lower Upper
106 100
91 208.6 104.8 314.6



#70
Styrene
Concen: 55.780 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion:104 Resp: 543404
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 53.9 43.0 64.6





#71

Bromoform

Concen: 50.816 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

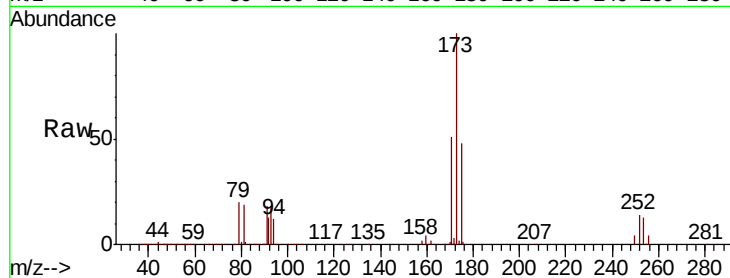
Tgt Ion:173 Resp: 125475

Ion Ratio Lower Upper

173 100

175 49.5 24.4 73.2

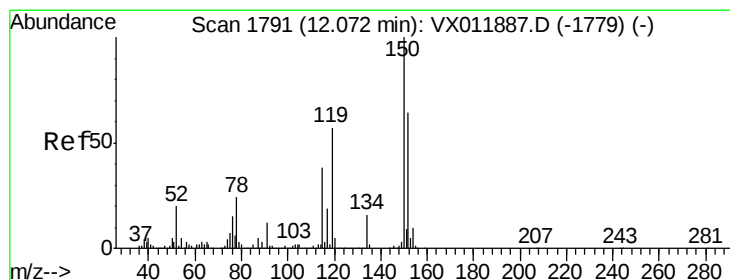
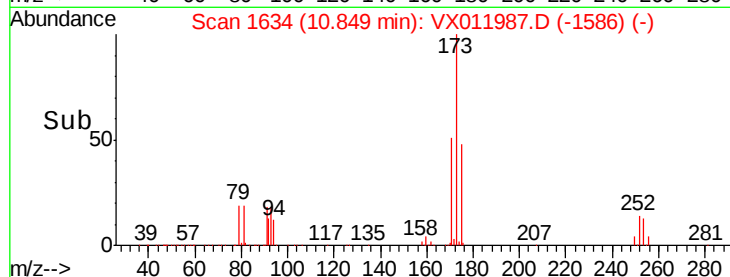
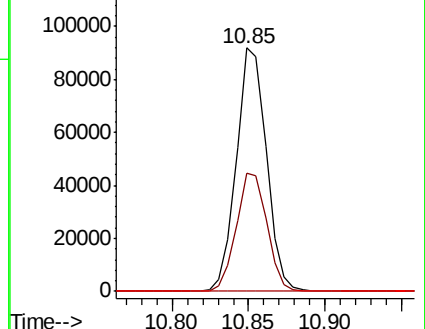
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

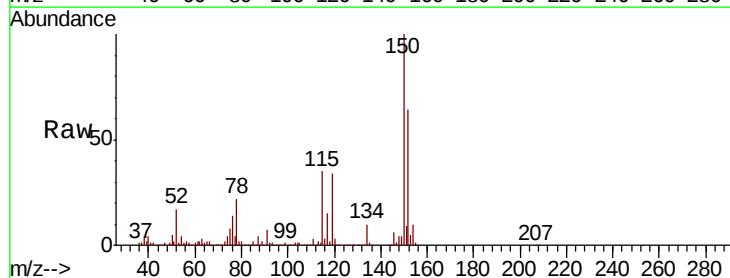
Tgt Ion:152 Resp: 268274

Ion Ratio Lower Upper

152 100

115 77.2 37.1 111.3

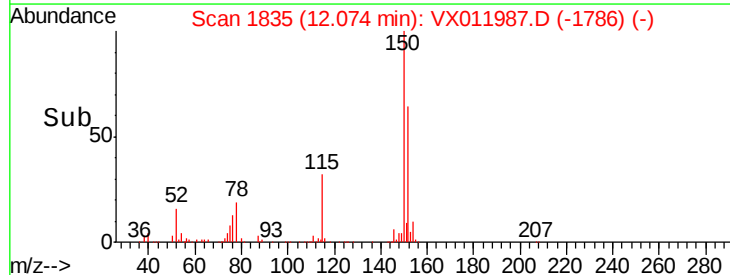
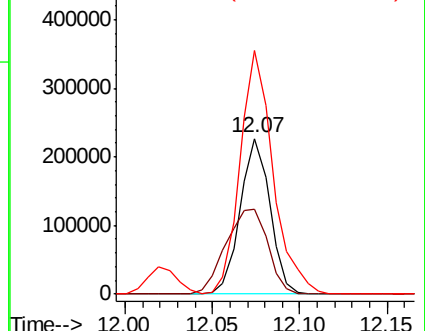
150 173.6 0.0 339.6

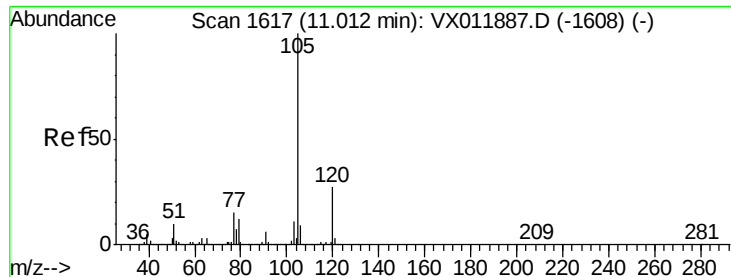


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.705 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

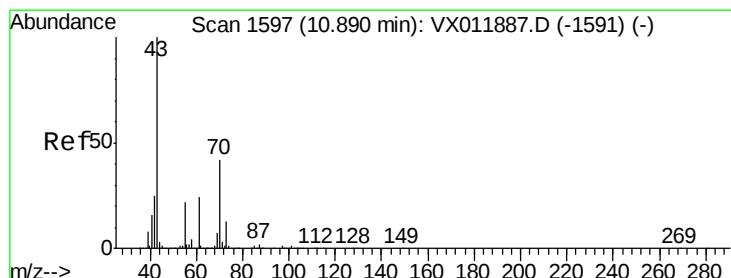
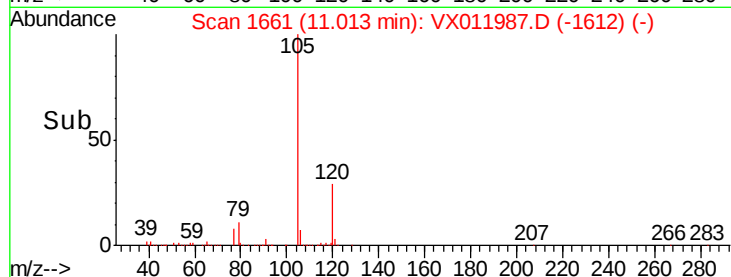
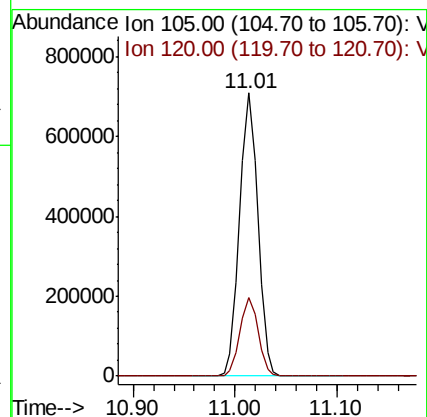
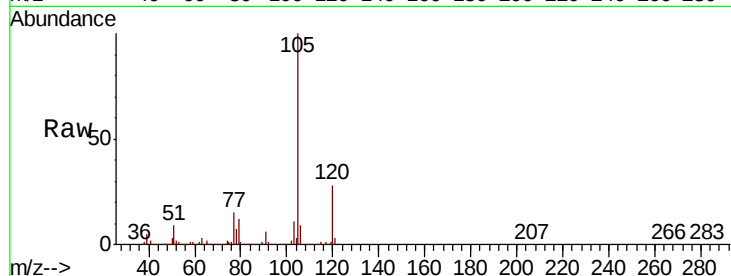
VSTDCCC050

Tgt Ion: 105 Resp: 874076

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.4



#74

N-ethyl acetate

Concen: 43.280 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Tgt Ion: 43 Resp: 197981

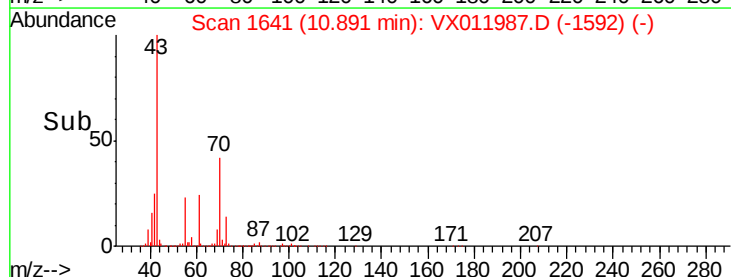
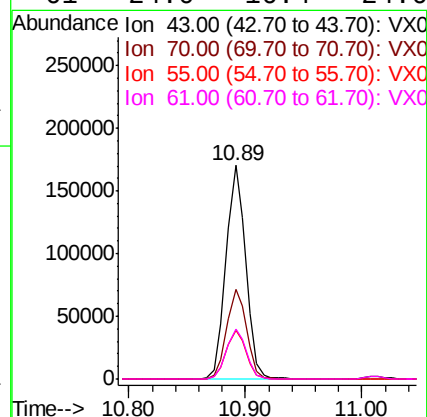
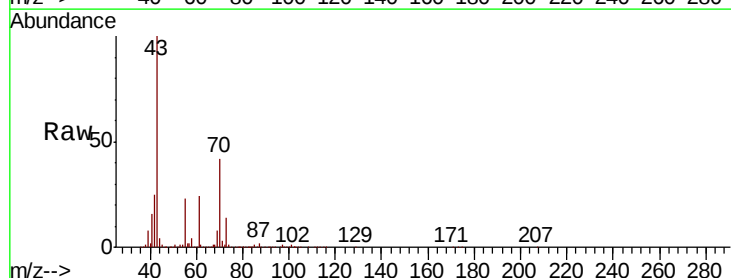
Ion Ratio Lower Upper

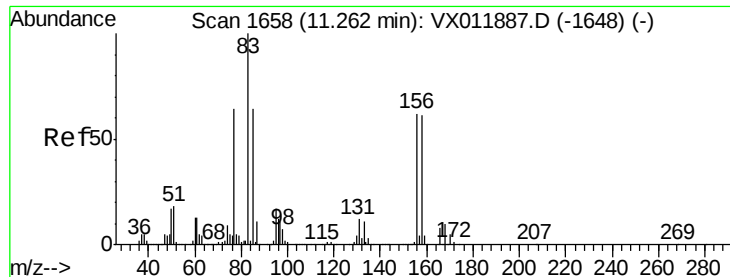
43 100

70 42.9 0.2 0.2#

55 23.3 0.1 0.1#

61 24.0 16.4 24.6

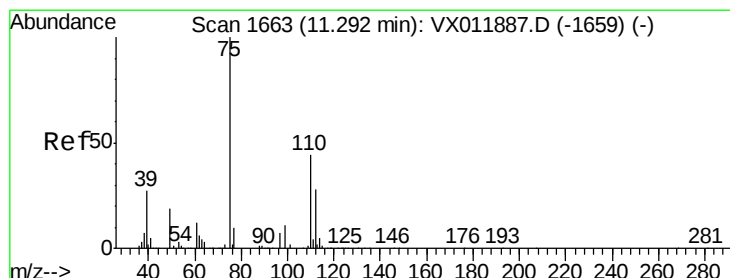
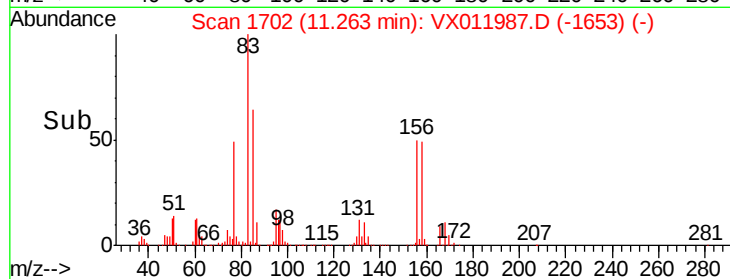
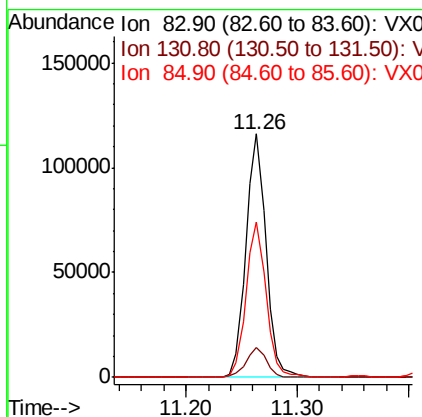
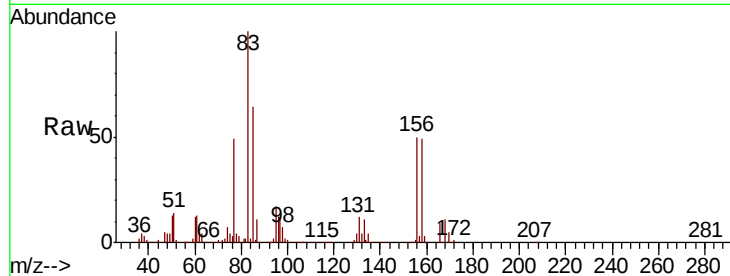




#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.096 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

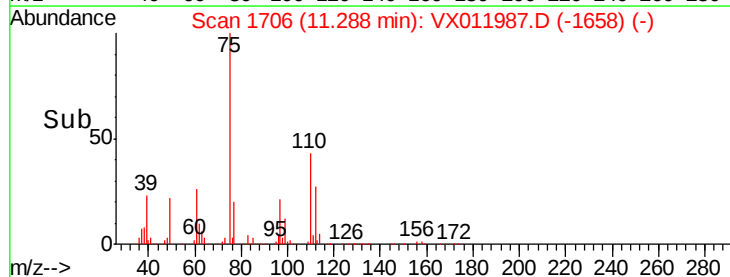
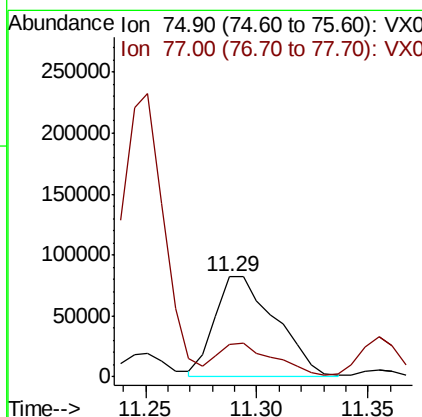
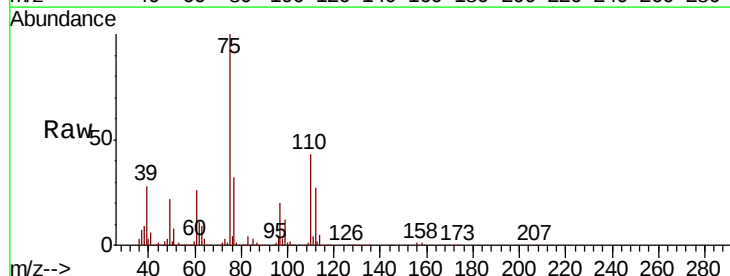
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

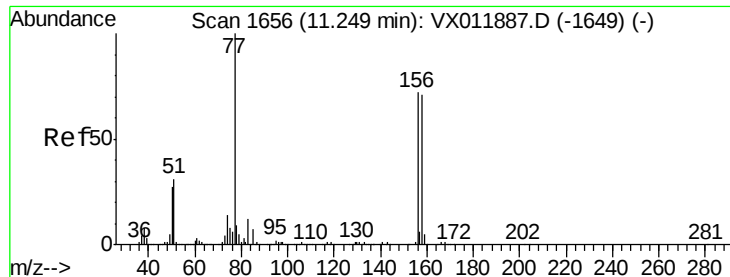
Tgt Ion: 83 Resp: 145419
 Ion Ratio Lower Upper
 83 100
 131 12.5 6.0 18.0
 85 64.0 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 58.962 ug/l
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion: 75 Resp: 155603
 Ion Ratio Lower Upper
 75 100
 77 31.2 20.9 62.7





#77

Bromobenzene

Concen: 53.770 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

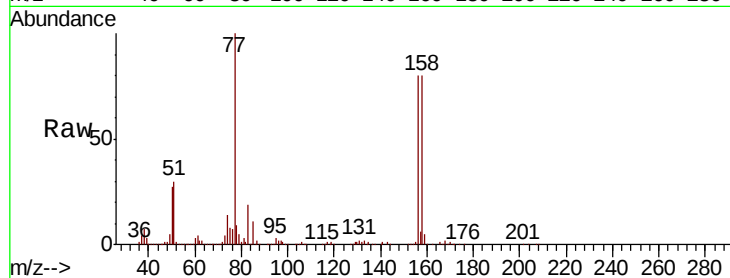
Tgt Ion: 156 Resp: 240383

Ion Ratio Lower Upper

156 100

77 130.1 68.1 204.3

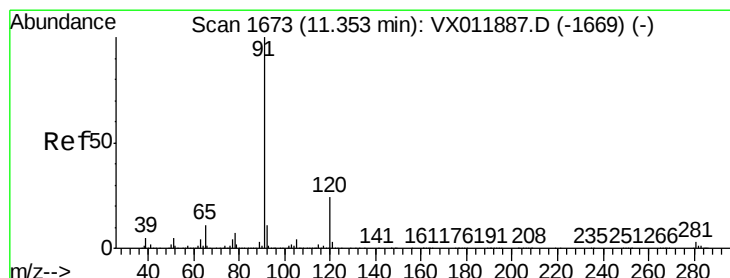
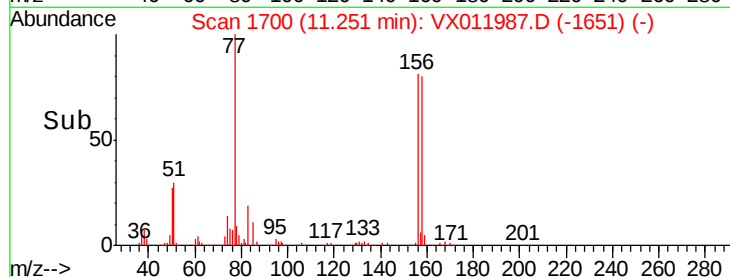
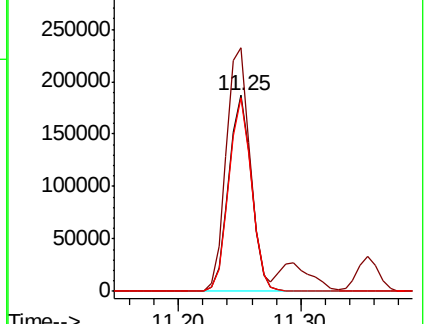
158 98.3 48.9 146.8



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: 57.189 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011987.D

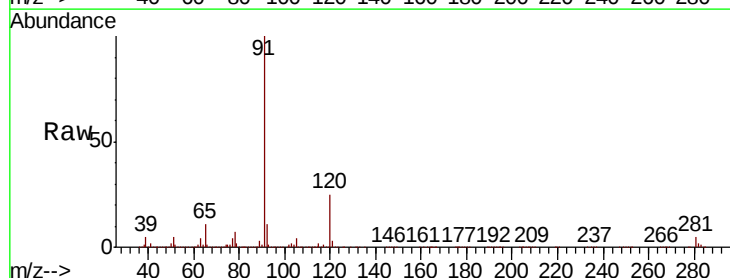
Acq: 01 Sep 2019 10:41

Tgt Ion: 91 Resp: 999630

Ion Ratio Lower Upper

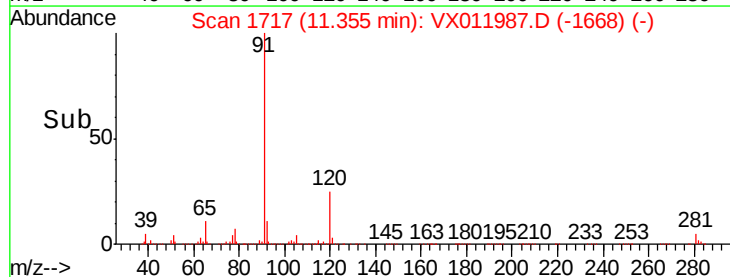
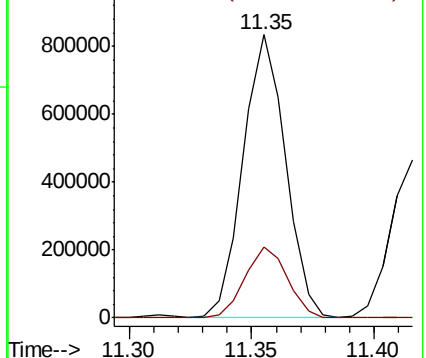
91 100

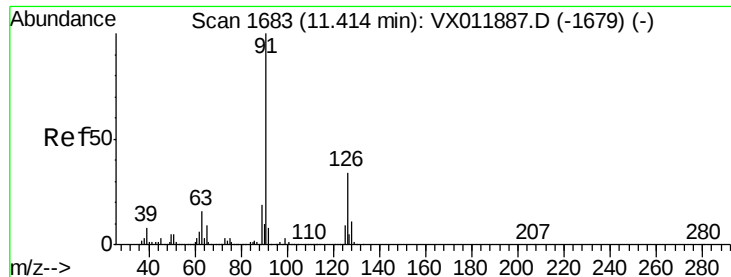
120 25.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

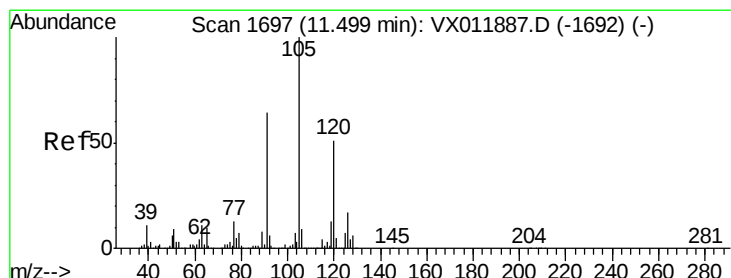
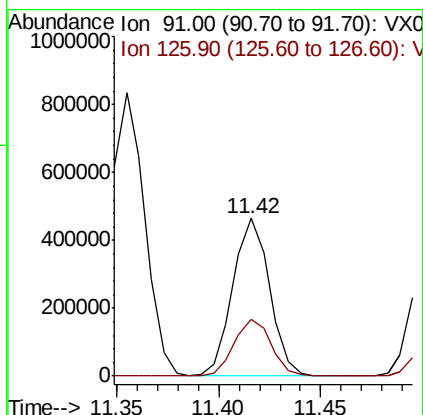
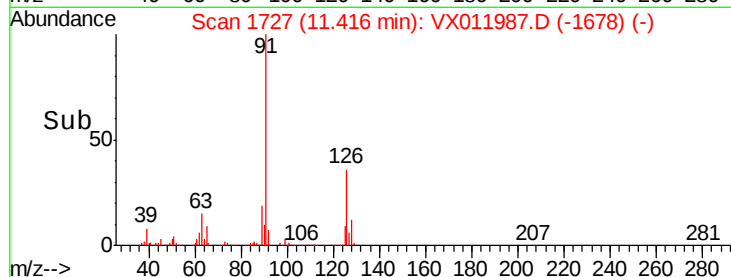
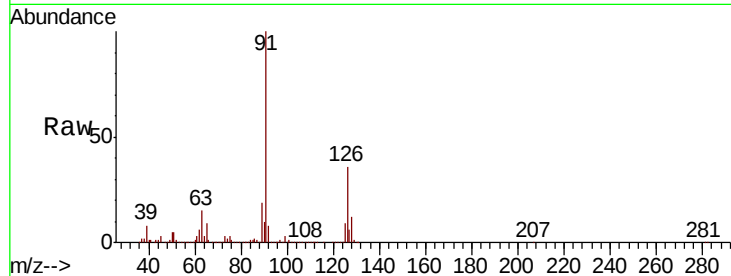




#79
2-Chlorotoluene
Concen: 54.964 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

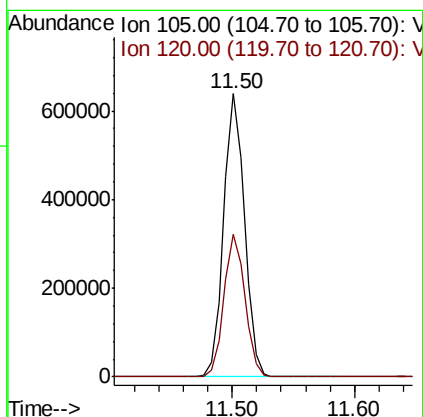
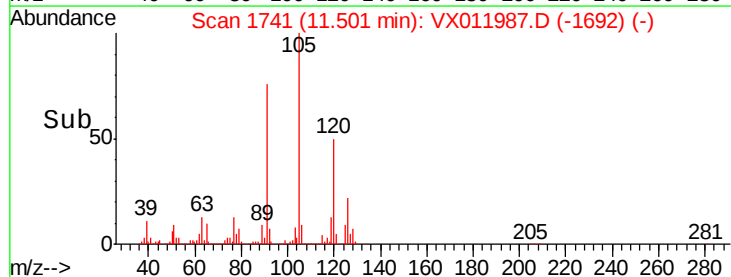
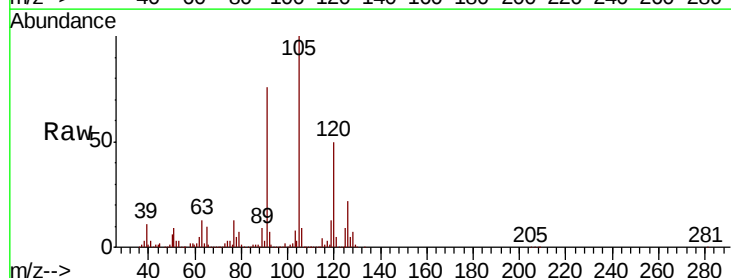
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

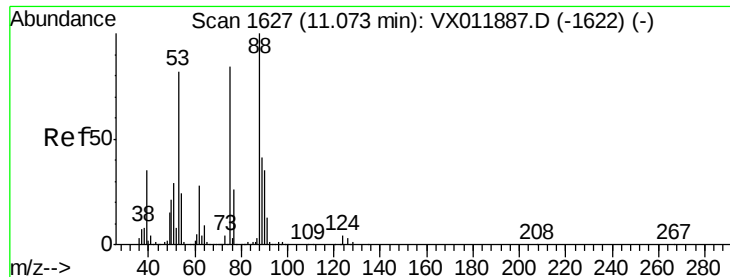
Tgt Ion: 91 Resp: 578284
Ion Ratio Lower Upper
91 100
126 36.6 17.9 53.8



#80
1,3,5-Trimethylbenzene
Concen: 56.657 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion: 105 Resp: 753819
Ion Ratio Lower Upper
105 100
120 50.7 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 45.419 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

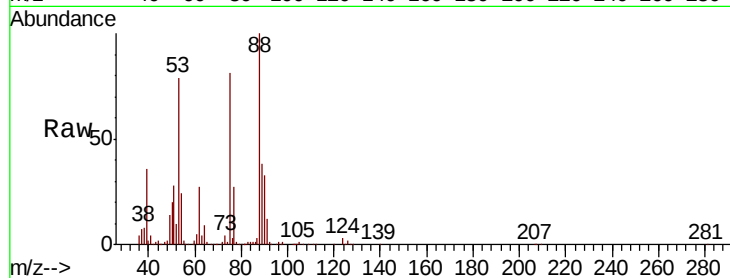
Tgt Ion: 75 Resp: 47712

Ion Ratio Lower Upper

75 100

53 96.8 77.1 115.7

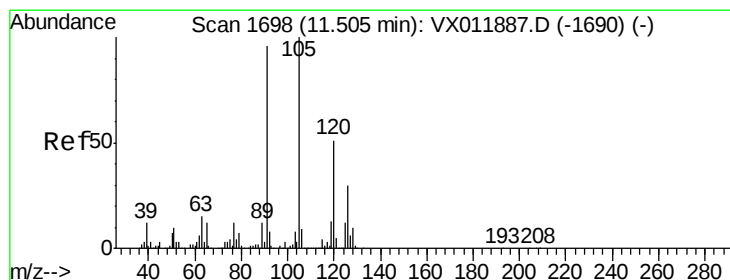
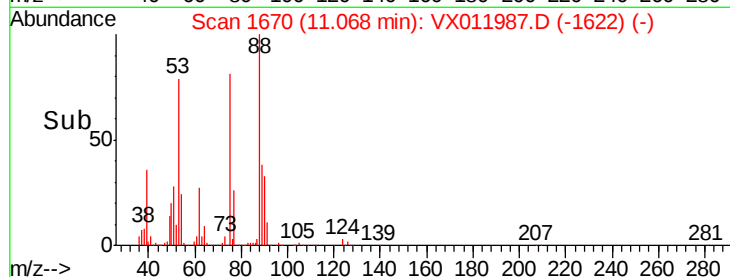
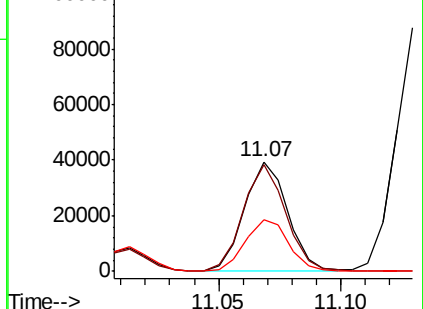
89 48.6 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 54.726 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX011987.D

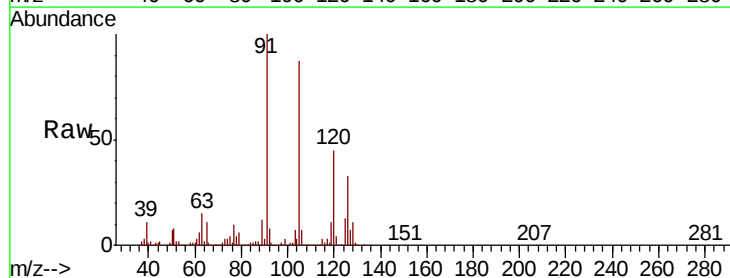
Acq: 01 Sep 2019 10:41

Tgt Ion: 91 Resp: 694627

Ion Ratio Lower Upper

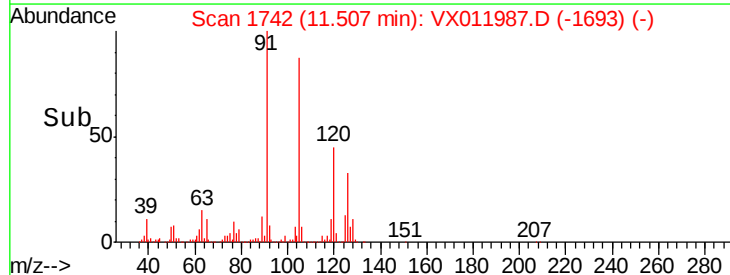
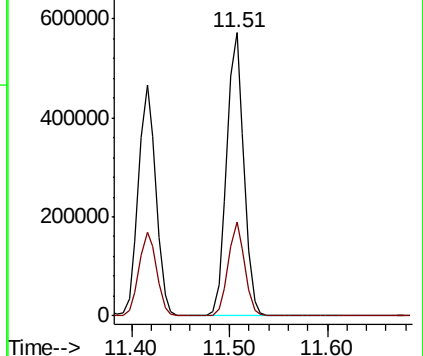
91 100

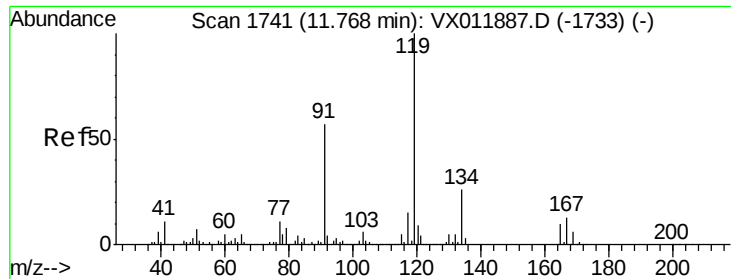
126 32.0 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

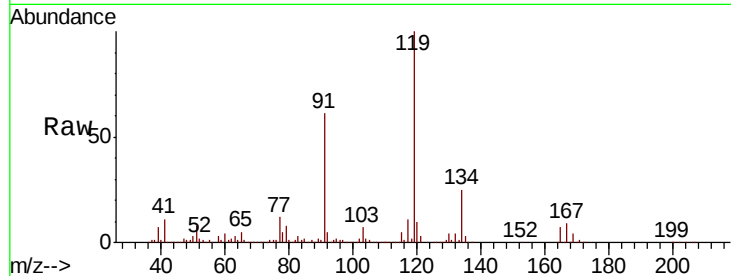




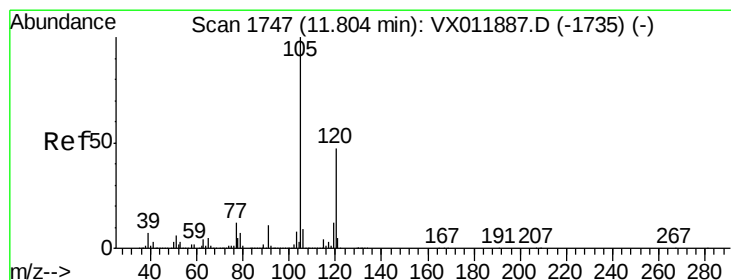
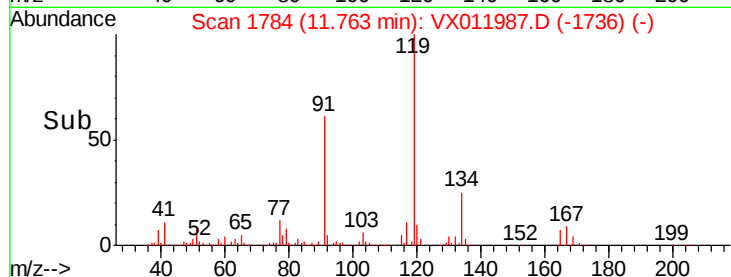
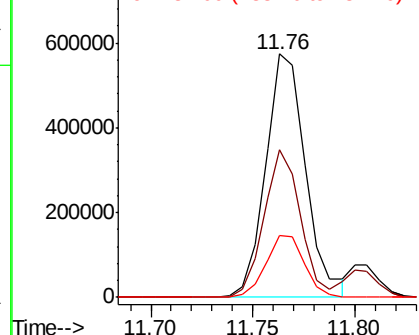
#83
 tert-Butylbenzene
 Concen: 58.118 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 784629
 Ion Ratio Lower Upper
 119 100
 91 55.3 27.9 83.6
 134 24.5 12.3 36.8

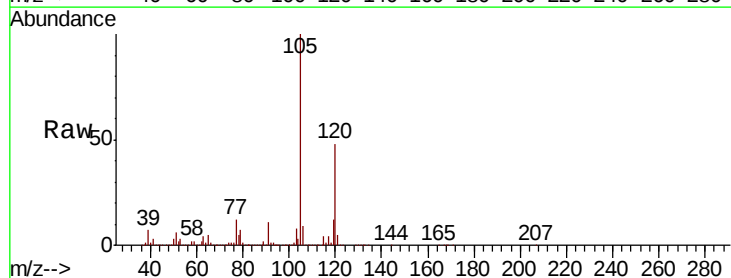


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

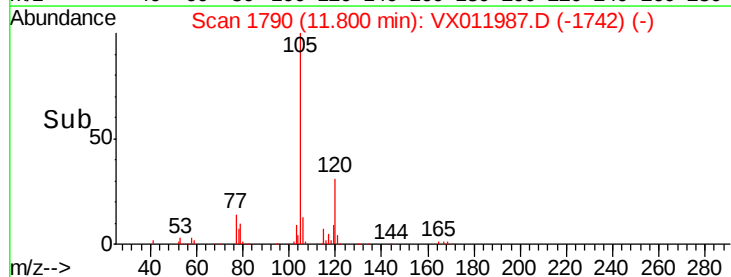
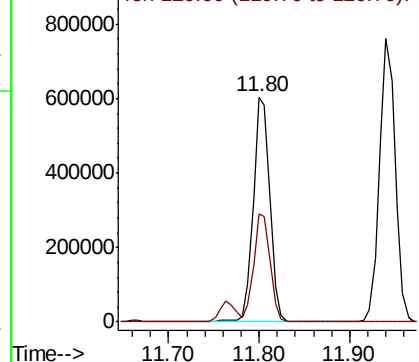


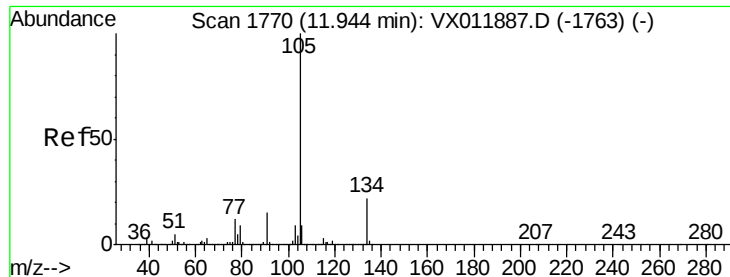
#84
 1,2,4-Trimethylbenzene
 Concen: 55.711 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion:105 Resp: 759641
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

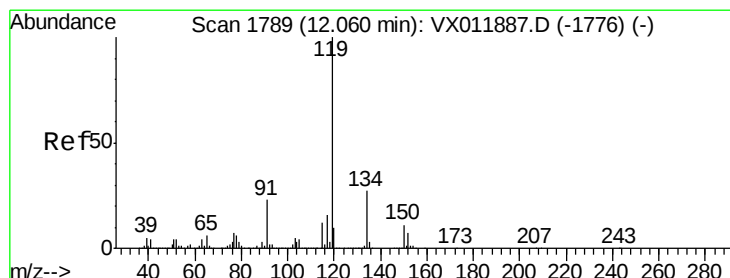
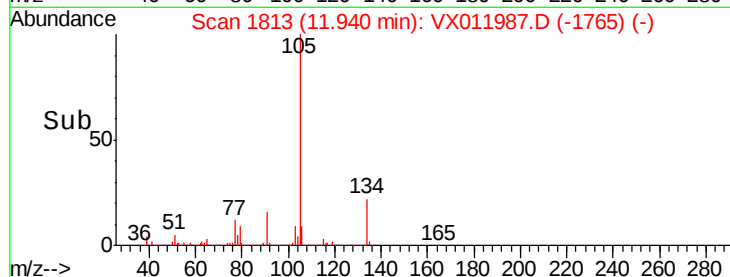
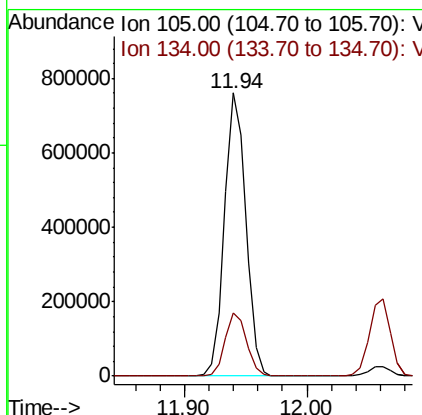
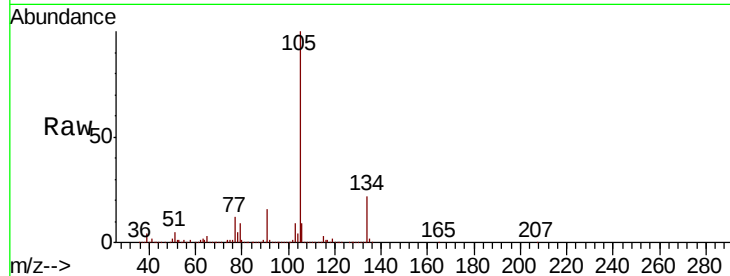




#85
 sec-Butylbenzene
 Concen: 58.578 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

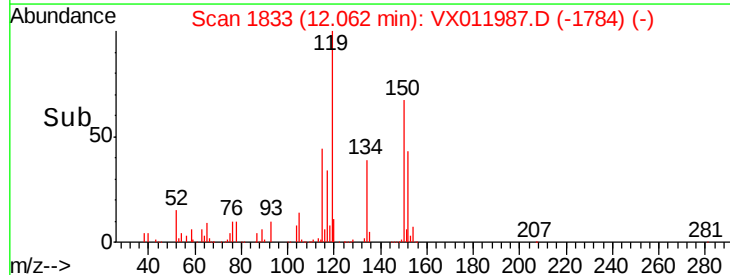
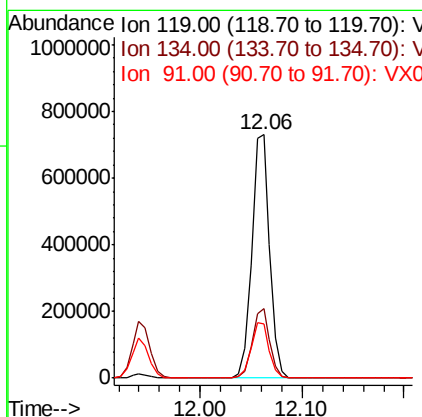
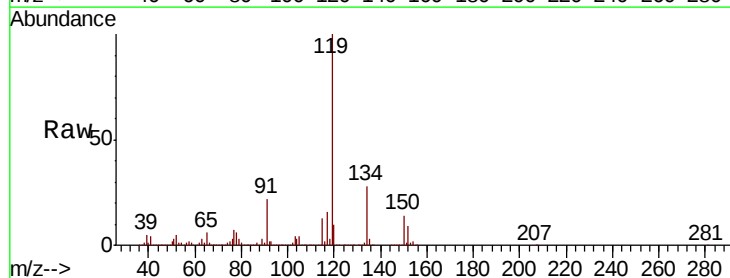
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

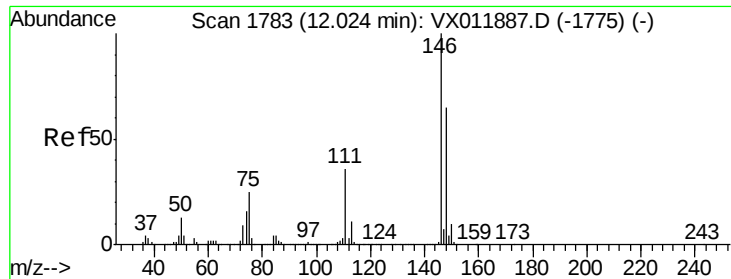
Tgt Ion:105 Resp: 918567
 Ion Ratio Lower Upper
 105 100
 134 22.4 10.9 32.7



#86
 p-Isopropyltoluene
 Concen: 58.785 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion:119 Resp: 893850
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.7 41.0
 91 22.8 11.6 34.7





#87

1,3-Dichlorobenzene

Concen: 55.781 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

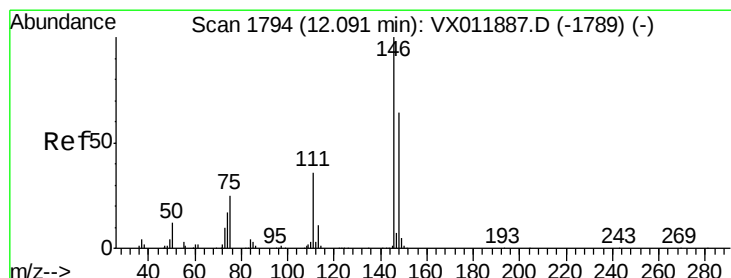
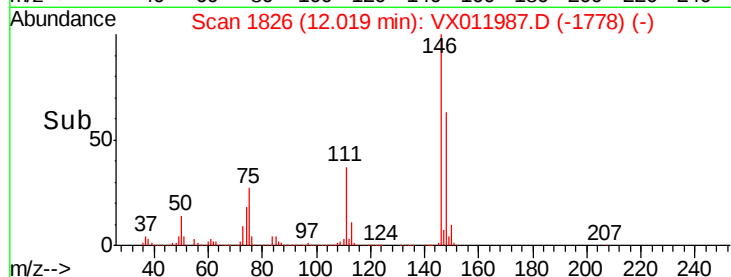
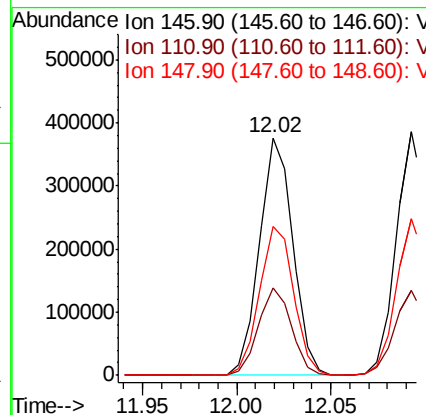
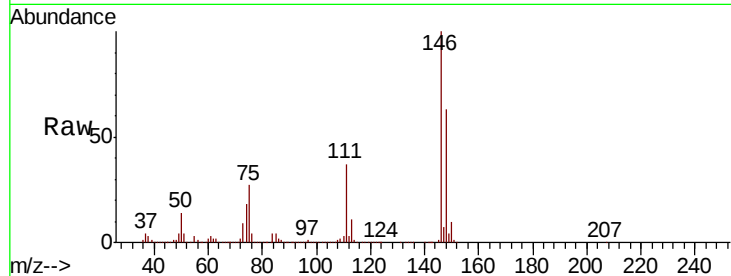
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	463457
Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.2
148	64.3	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 54.925 ug/l

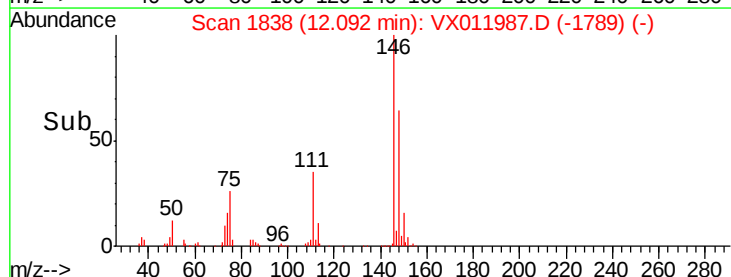
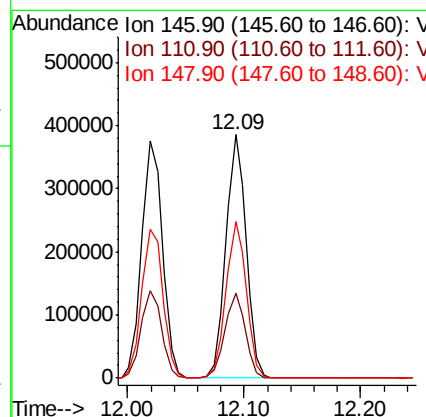
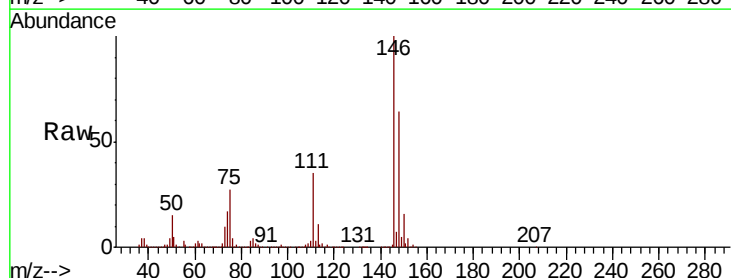
RT: 12.09 min Scan# 1838

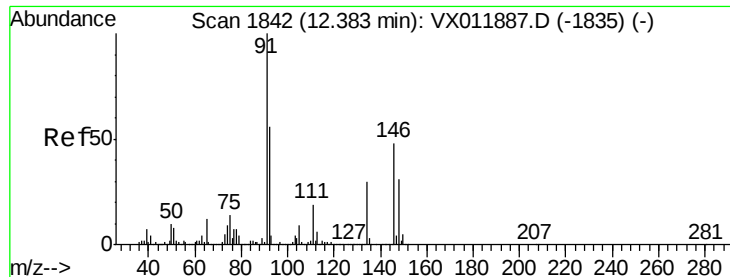
Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Tgt Ion:	146	Resp:	461334
Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.9	53.7
148	64.4	32.4	97.0





#89

n-Butylbenzene

Concen: 59.225 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

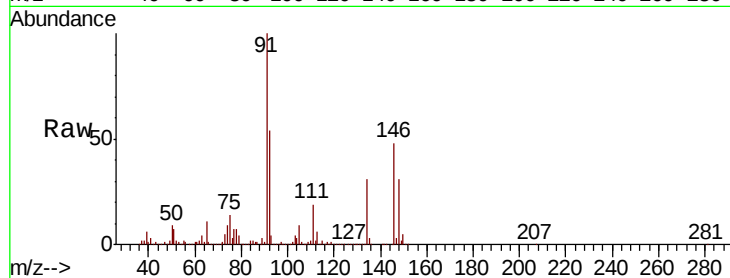
Tgt Ion: 91 Resp: 796730

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.8

134 30.4 14.8 44.3

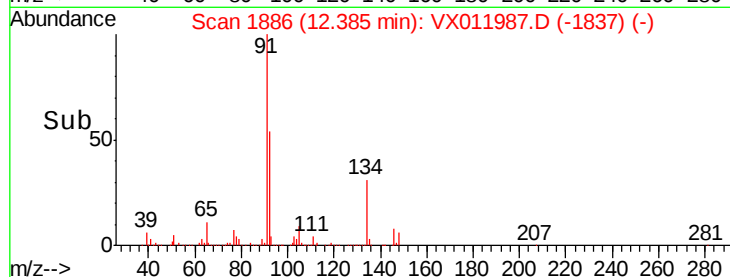


Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX011887.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX011887.D (-1835) (-)

Time-->

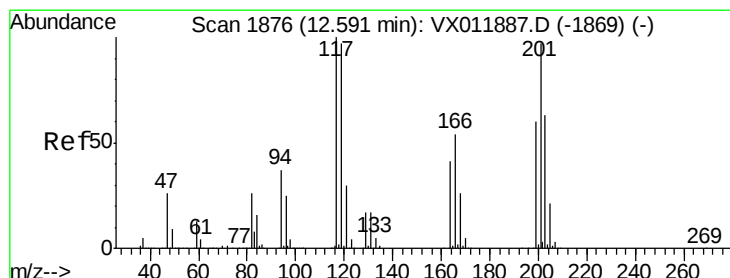


Abundance Ion 91.00 (90.70 to 91.70): VX011987.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX011987.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX011987.D (-1837) (-)

Time-->



#90

Hexachloroethane

Concen: 56.683 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX011987.D

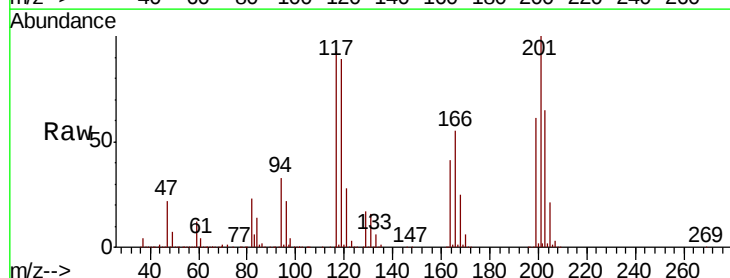
Acq: 01 Sep 2019 10:41

Tgt Ion: 117 Resp: 166741

Ion Ratio Lower Upper

117 100

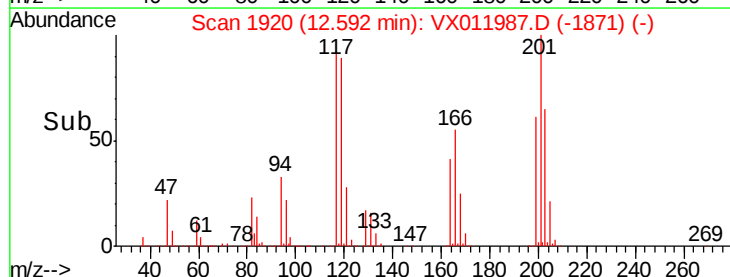
201 108.5 52.8 158.5



Abundance Ion 116.80 (116.50 to 117.50): VX011887.D (-1869) (-)

Ion 200.70 (200.40 to 201.40): VX011887.D (-1869) (-)

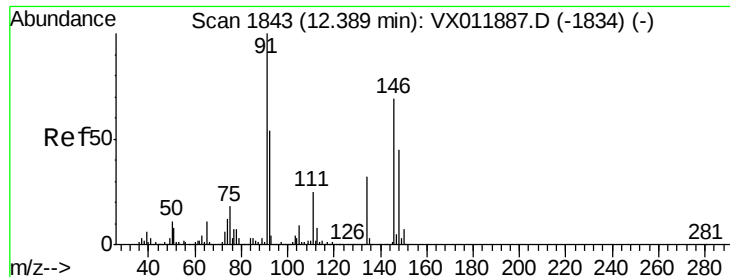
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX011987.D (-1871) (-)

Ion 200.70 (200.40 to 201.40): VX011987.D (-1871) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 54.110 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

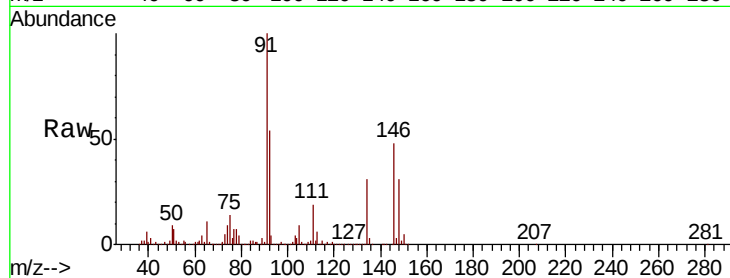
Tgt Ion:146 Resp: 417985

Ion Ratio Lower Upper

146 100

111 37.8 18.9 56.5

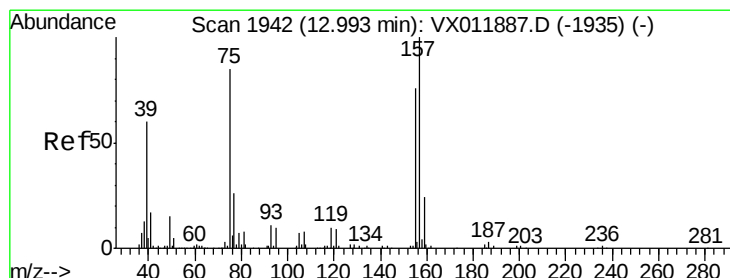
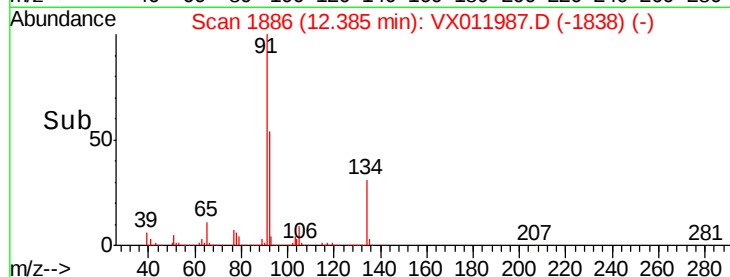
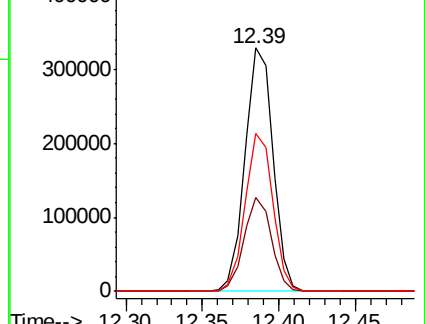
148 64.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.645 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 10:41

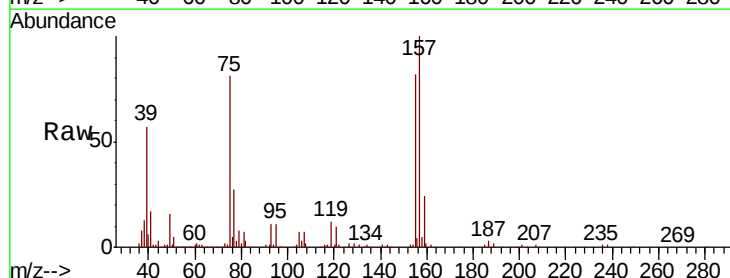
Tgt Ion: 75 Resp: 28055

Ion Ratio Lower Upper

75 100

155 101.8 50.1 150.4

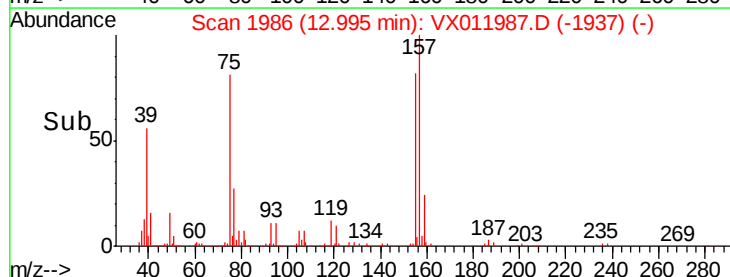
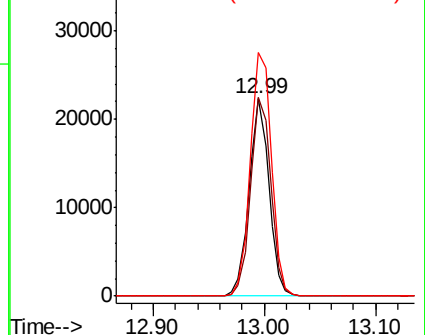
157 130.0 63.9 191.7

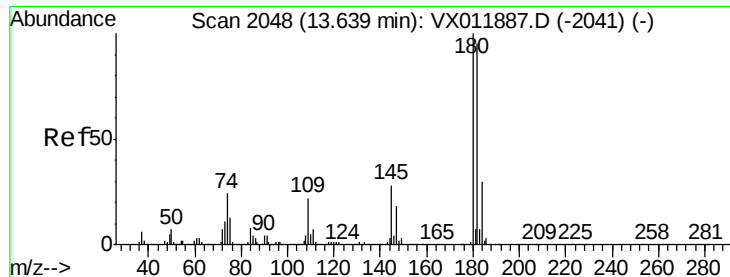


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

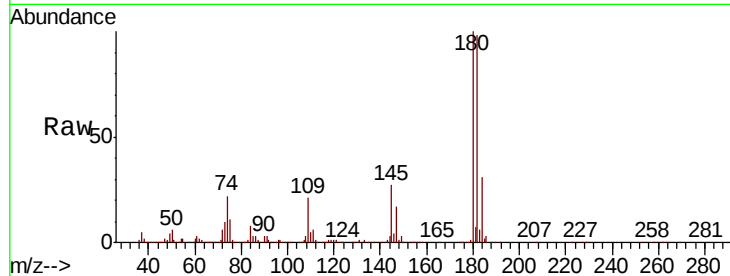




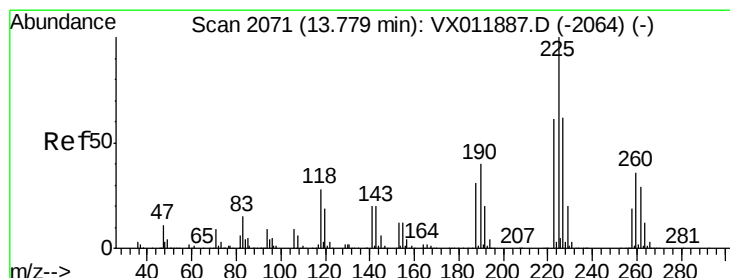
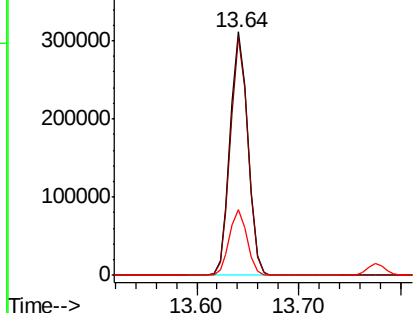
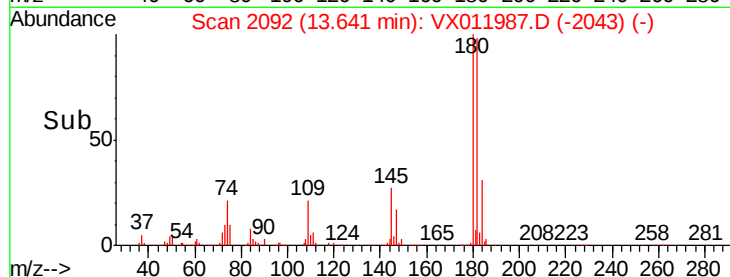
#93
 1,2,4-Trichlorobenzene
 Concen: 57.323 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.4
145	27.1	13.8	41.3

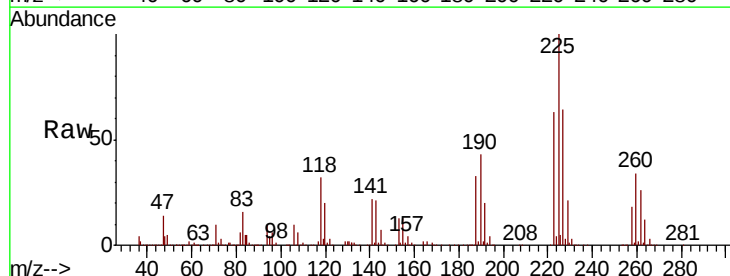


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

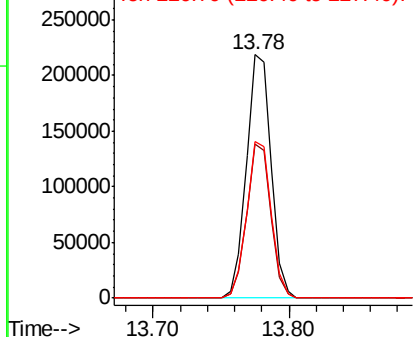
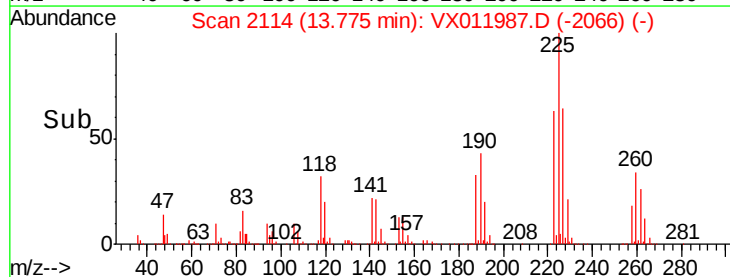


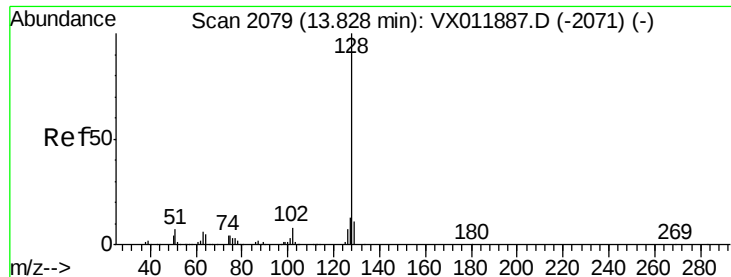
#94
 Hexachlorobutadiene
 Concen: 63.843 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 10:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.8	92.3
227	63.7	31.9	95.7



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

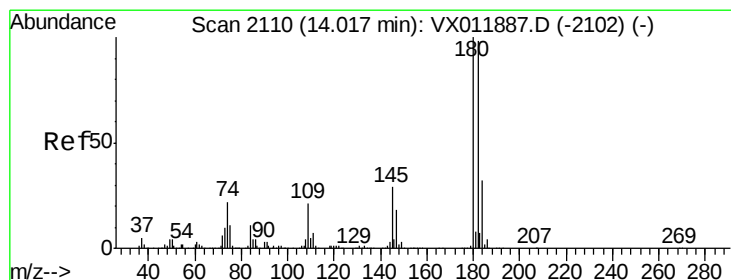
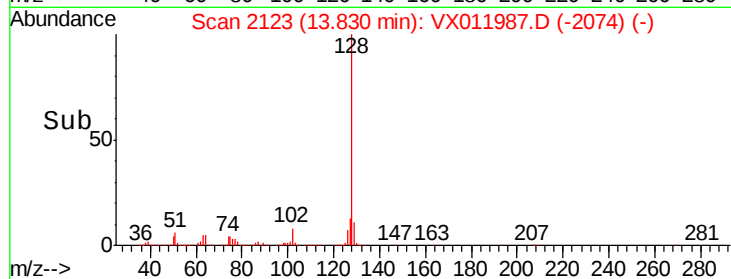
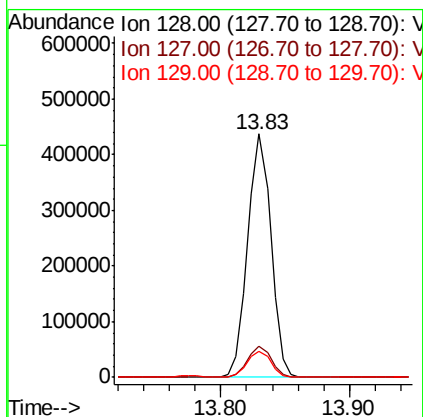
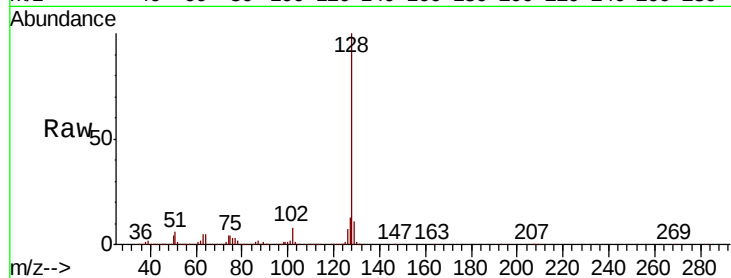




#95
Naphthalene
Concen: 48.709 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 543733
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 55.358 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 10:41

Tgt Ion:180 Resp: 325603
Ion Ratio Lower Upper
180 100
182 95.2 48.3 144.8
145 28.6 14.6 43.8

