

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009951.D
 Acq On : 30 May 2019 11:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 31 05:31:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	172891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	267746	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	111344	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
35) Dibromofluoromethane	5.49	113	80753	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	8.71	98	331358	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	11.13	95	120315	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	112775	53.380	ug/l	99
3) Chloromethane	1.32	50	133476	46.995	ug/l	99
4) Vinyl Chloride	1.41	62	122584	47.877	ug/l	98
5) Bromomethane	1.64	94	63049	40.643	ug/l	98
6) Chloroethane	1.71	64	70297	44.601	ug/l	99
7) Trichlorofluoromethane	1.93	101	133821	47.297	ug/l	100
8) Diethyl Ether	2.19	74	58427	43.944	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78888	46.182	ug/l	98
10) Methyl Iodide	2.51	142	97413	46.421	ug/l	99
11) Tert butyl alcohol	3.05	59	130526	217.170	ug/l	100
12) 1,1-Dichloroethene	2.37	96	78428	44.792	ug/l	97
13) Acrolein	2.29	56	83389	200.314	ug/l	99
14) Allyl chloride	2.73	41	203058	47.715	ug/l	99
15) Acrylonitrile	3.14	53	329429	227.479	ug/l	100
16) Acetone	2.45	43	346243	245.377	ug/l	99
17) Carbon Disulfide	2.57	76	246449	46.511	ug/l	100
18) Methyl Acetate	2.78	43	150202	45.747	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	308968	46.740	ug/l	99
20) Methylene Chloride	2.85	84	97733	45.229	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	87105	44.711	ug/l	99
22) Diisopropyl ether	3.85	45	390222	48.193	ug/l	90
23) Vinyl Acetate	3.81	43	1742157	239.503	ug/l	100
24) 1,1-Dichloroethane	3.70	63	183584	46.785	ug/l	100
25) 2-Butanone	4.67	43	525542	239.054	ug/l	99
26) 2,2-Dichloropropane	4.58	77	135946	45.799	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	100353	44.624	ug/l	100
28) Bromochloromethane	5.01	49	94244	46.282	ug/l	99
29) Tetrahydrofuran	5.12	42	327580	232.365	ug/l	99
30) Chloroform	5.21	83	165772	46.843	ug/l	99
31) Cyclohexane	5.58	56	181939	48.954	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	137726	47.787	ug/l	99
36) 1,1-Dichloropropene	5.80	75	128822	47.420	ug/l	99
37) Ethyl Acetate	4.83	43	185693	49.057	ug/l	99
38) Carbon Tetrachloride	5.78	117	115977	49.404	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	167767	52.063	ug/l	98
40) Benzene	6.14	78	395355	49.060	ug/l	100
41) Methacrylonitrile	5.04	41	106192	48.011	ug/l	98
42) 1,2-Dichloroethane	6.19	62	143854	48.285	ug/l	100
43) Isopropyl Acetate	6.44	43	289003	47.318	ug/l	100
44) Trichloroethene	7.21	130	93717	47.877	ug/l	99
45) 1,2-Dichloropropane	7.51	63	113576	48.959	ug/l	99
46) Dibromomethane	7.66	93	63551	46.540	ug/l	100
47) Bromodichloromethane	7.90	83	128111	49.337	ug/l	99
48) Methyl methacrylate	7.77	41	152779	50.531	ug/l	99
49) 1,4-Dioxane	7.74	88	53407	949.629	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	939777	236.535	ug/l	100
52) Toluene	8.78	92	238877	48.821	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	150430	48.305	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	164781	48.564	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	95454	48.470	ug/l	98
56) Ethyl methacrylate	9.18	69	173007	49.346	ug/l	99
57) 1,3-Dichloropropane	9.37	76	166375	47.042	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	455354	247.680	ug/l	99
59) 2-Hexanone	9.49	43	737789	241.194	ug/l	100
60) Dibromochloromethane	9.58	129	96159	49.638	ug/l	99
61) 1,2-Dibromoethane	9.67	107	97655	48.268	ug/l	99
64) Tetrachloroethene	9.34	164	88352	52.047	ug/l	97
65) Chlorobenzene	10.13	112	248570	48.856	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89325	50.619	ug/l	99
67) Ethyl Benzene	10.25	91	461510	50.520	ug/l	99
68) m/p-Xylenes	10.36	106	341113	101.074	ug/l	99
69) o-Xylene	10.69	106	163091	50.389	ug/l	100
70) Styrene	10.71	104	287384	50.636	ug/l	99
71) Bromoform	10.85	173	75152	52.100	ug/l	98
73) Isopropylbenzene	11.02	105	440226	48.738	ug/l	99
74) N-amyl acetate	10.90	43	253701	47.005	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	154578	45.872	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	185759	63.454	ug/l	80
77) Bromobenzene	11.26	156	110048	47.808	ug/l	96
78) n-propylbenzene	11.36	91	520618	50.005	ug/l	100
79) 2-Chlorotoluene	11.42	91	304691	47.900	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	375719	49.375	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54134	45.752	ug/l	98
82) 4-Chlorotoluene	11.51	91	354156	47.827	ug/l	99
83) tert-Butylbenzene	11.77	119	358526	49.248	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	380811	49.278	ug/l	99
85) sec-Butylbenzene	11.94	105	435419	50.274	ug/l	100
86) p-Isopropyltoluene	12.06	119	402365	51.650	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	194746	47.521	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	197498	47.255	ug/l	99
89) n-Butylbenzene	12.38	91	375344	51.269	ug/l	100
90) Hexachloroethane	12.60	117	67428	50.436	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	194392	48.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35304	44.509	ug/l	97

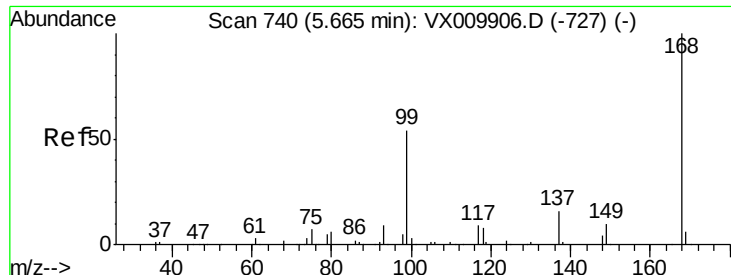
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	141525	49.015	ug/l	99
94) Hexachlorobutadiene	13.78	225	74173	51.216	ug/l	99
95) Naphthalene	13.83	128	430951	47.962	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	141337	48.902	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

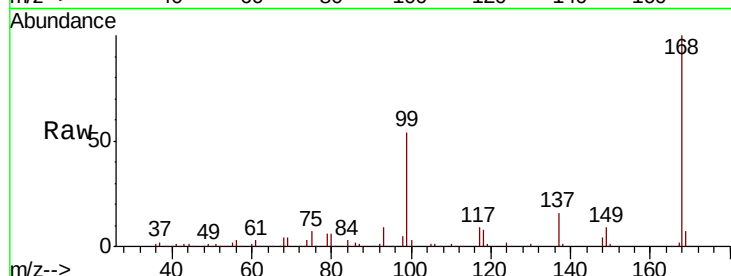
VSTDCCC050

Tot Ion:168 Resp: 172891

Ion Ratio Lower Upper

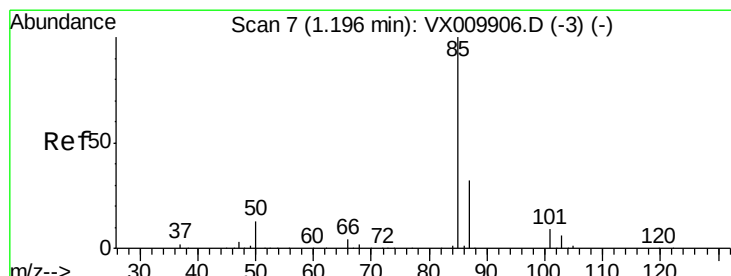
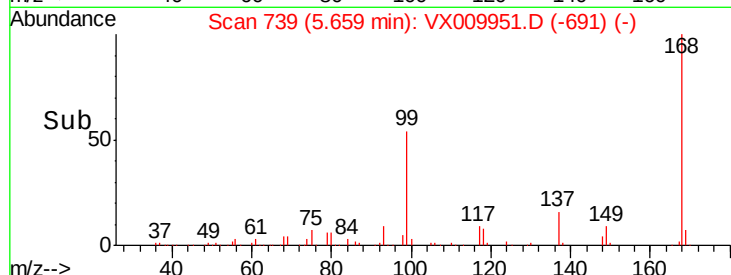
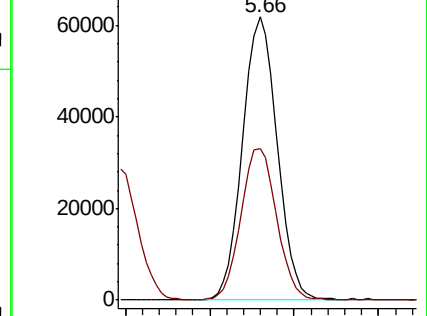
168 100

99 53.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 53.380 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009951.D

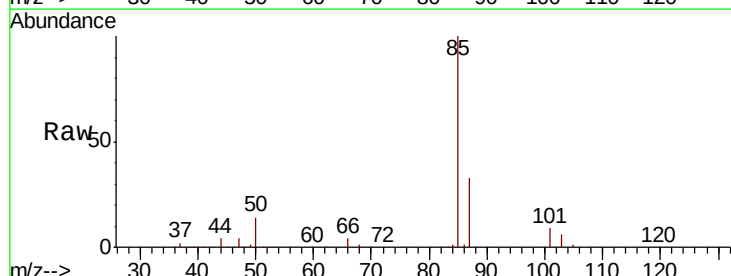
Acq: 30 May 2019 11:06

Tgt Ion: 85 Resp: 112775

Ion Ratio Lower Upper

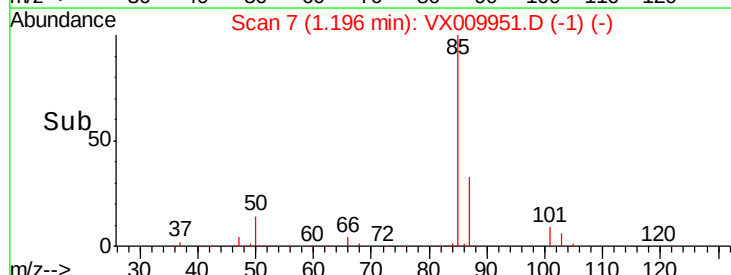
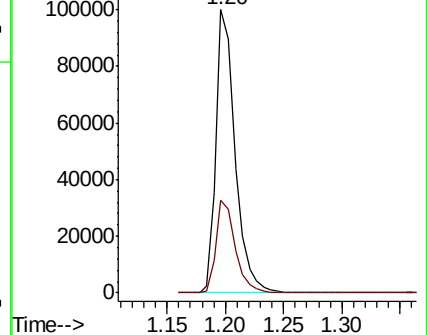
85 100

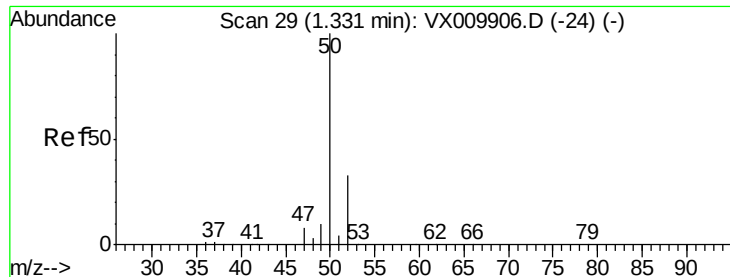
87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.995 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

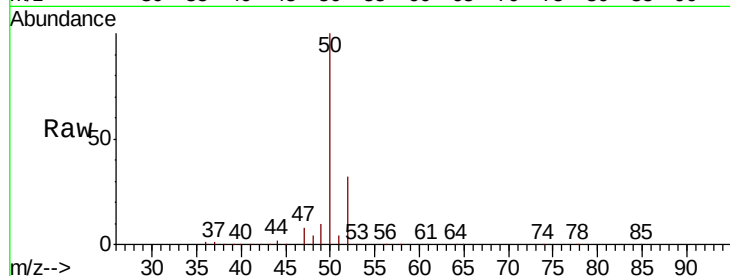
VSTDCCC050

Tot Ion: 50 Resp: 133476

Ion Ratio Lower Upper

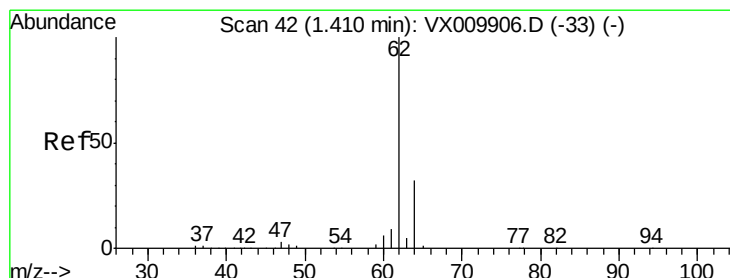
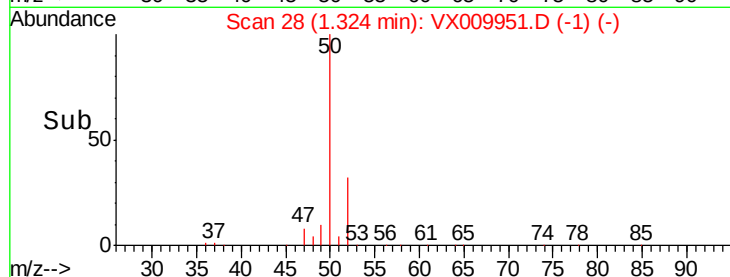
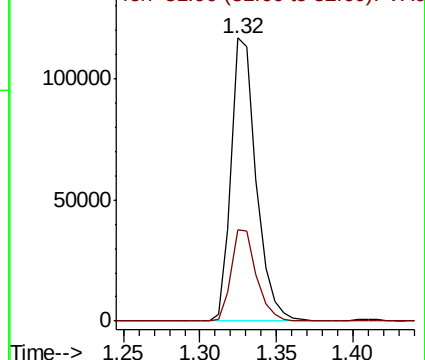
50 100

52 32.2 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: 47.877 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009951.D

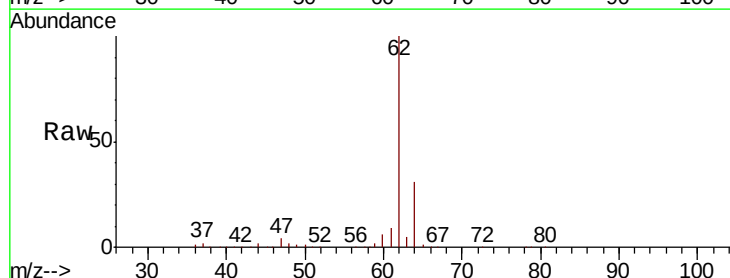
Acq: 30 May 2019 11:06

Tgt Ion: 62 Resp: 122584

Ion Ratio Lower Upper

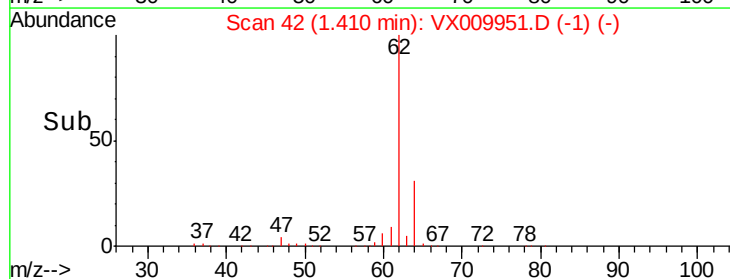
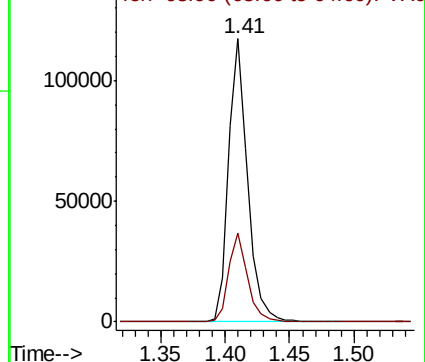
62 100

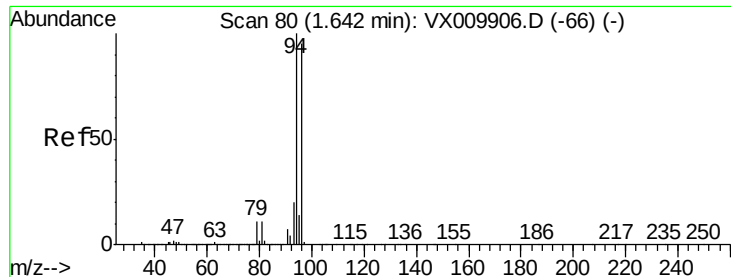
64 31.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.643 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

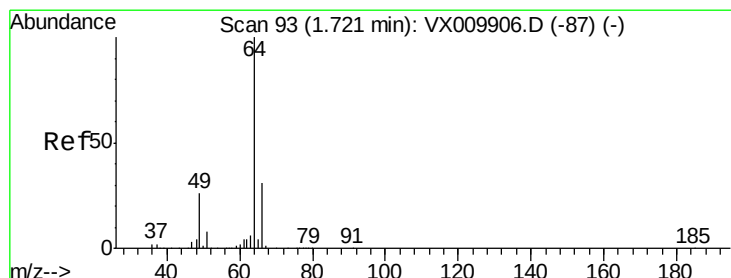
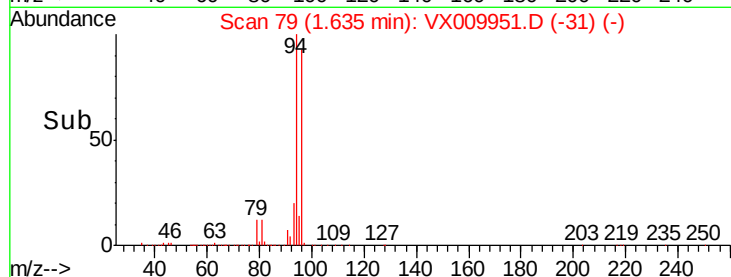
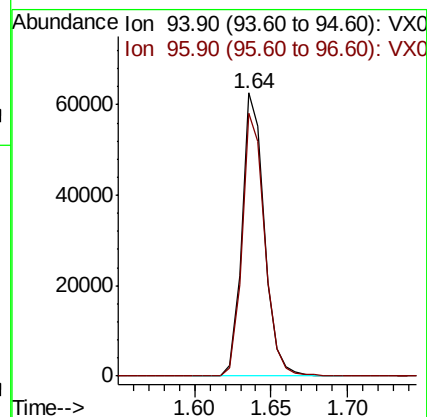
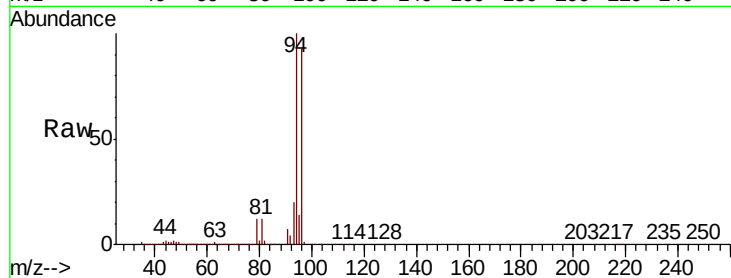
VSTDCCC050

Tot Ion: 94 Resp: 63049

Ion Ratio Lower Upper

94 100

96 93.0 76.2 114.4



#6

Chloroethane

Concen: 44.601 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009951.D

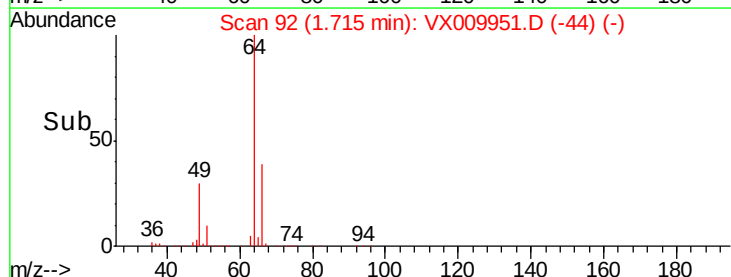
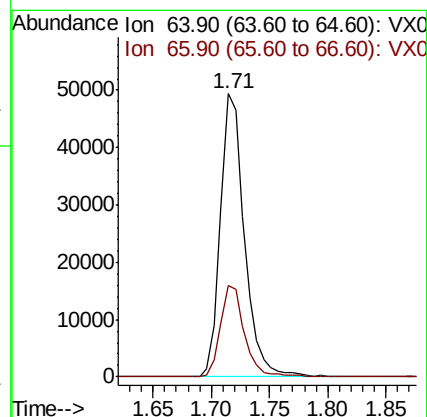
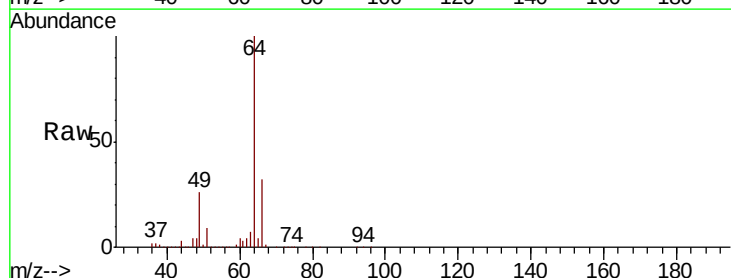
Acq: 30 May 2019 11:06

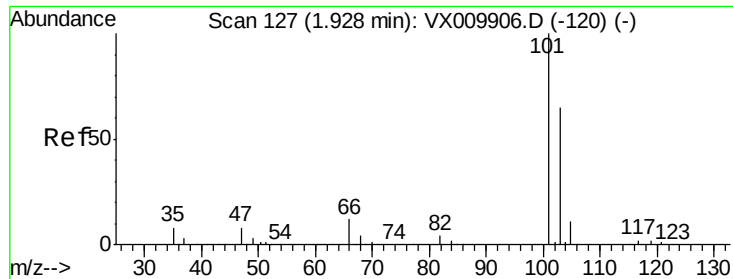
Tgt Ion: 64 Resp: 70297

Ion Ratio Lower Upper

64 100

66 32.2 25.1 37.7



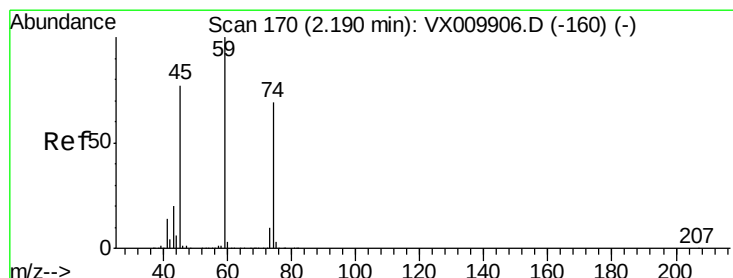
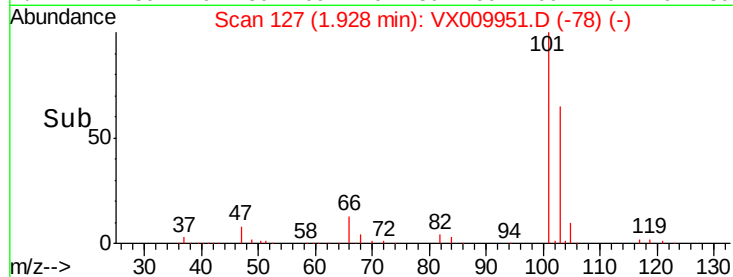
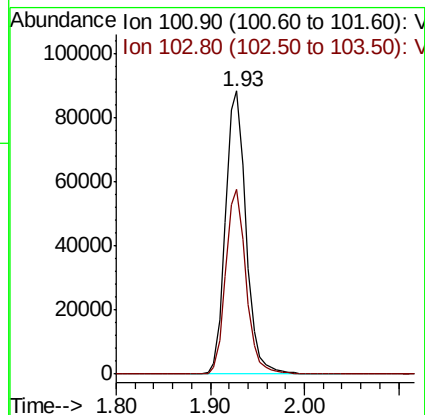
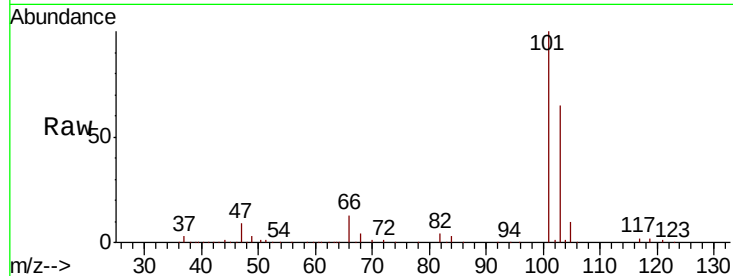


#7

Trichlorofluoromethane
Concen: 47.297 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

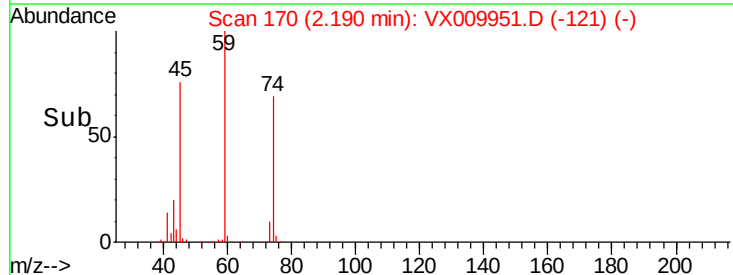
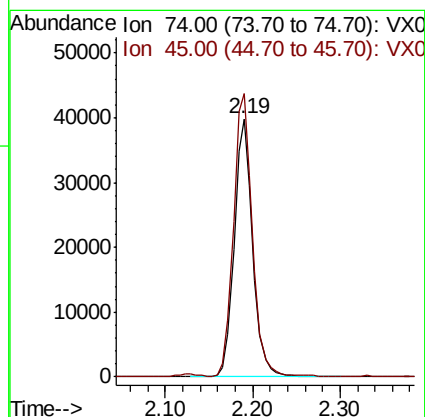
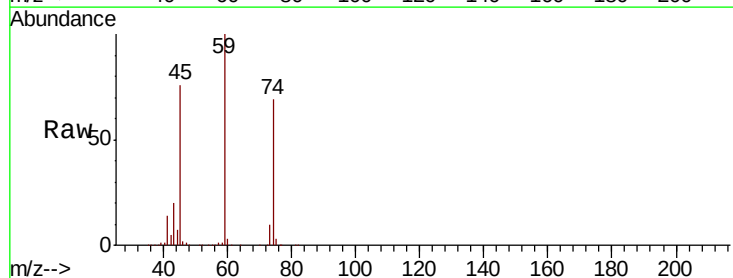
Tot Ion:101 Resp: 133821
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.4

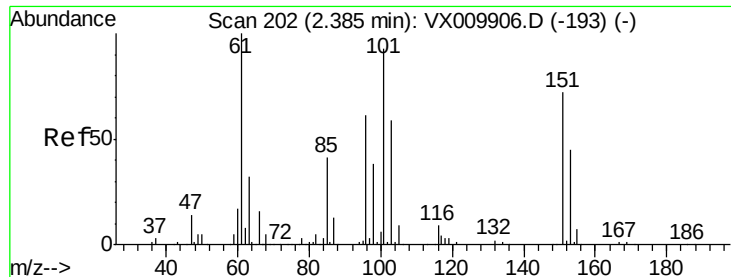


#8

Diethyl Ether
Concen: 43.944 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion: 74 Resp: 58427
Ion Ratio Lower Upper
74 100
45 111.8 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.182 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

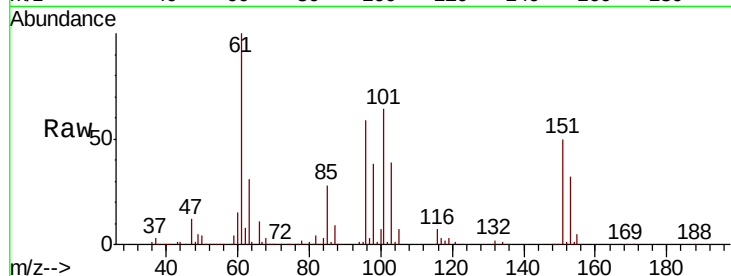
Tot Ion:101 Resp: 78888

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

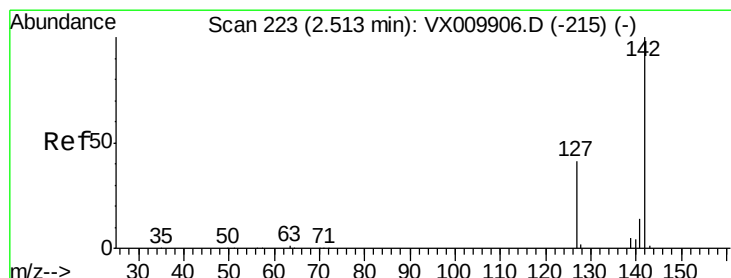
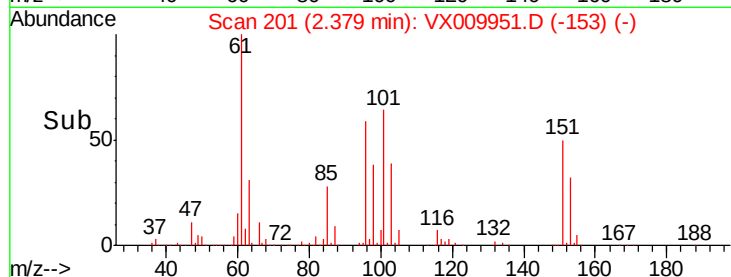
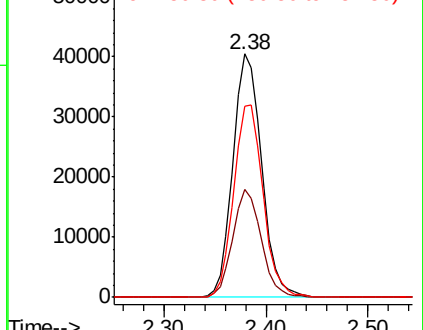
151 80.7 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.421 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

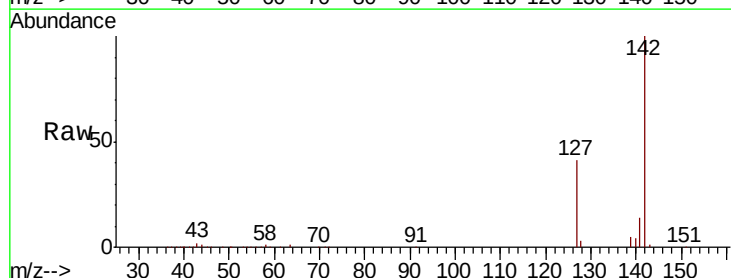
Tgt Ion:142 Resp: 97413

Ion Ratio Lower Upper

142 100

127 41.8 33.0 49.4

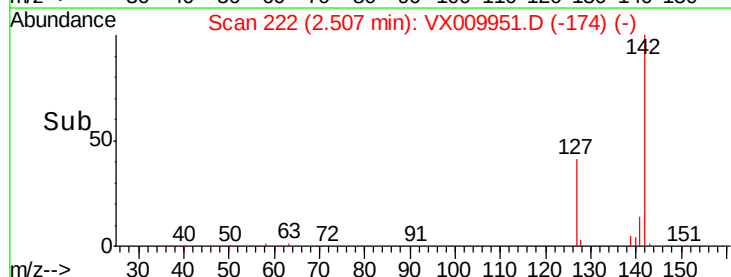
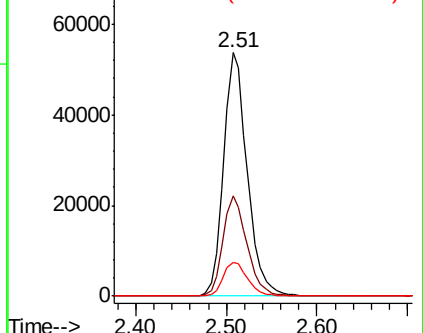
141 14.6 11.4 17.0

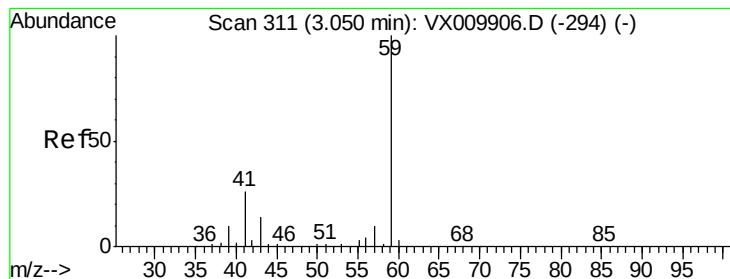


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 217.170 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

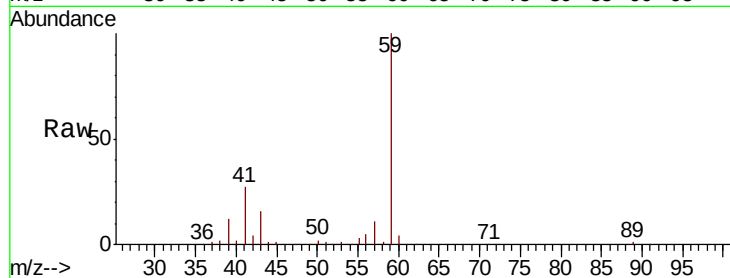
VSTDCCC050

Tot Ion: 59 Resp: 130526

Ion Ratio Lower Upper

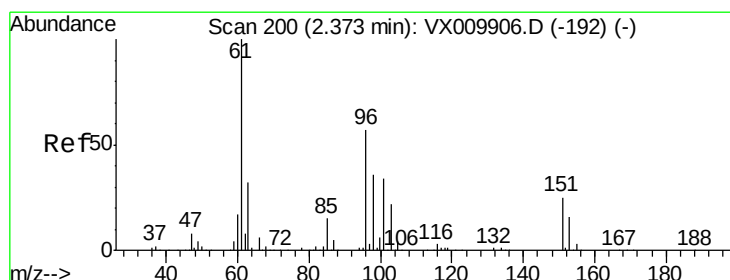
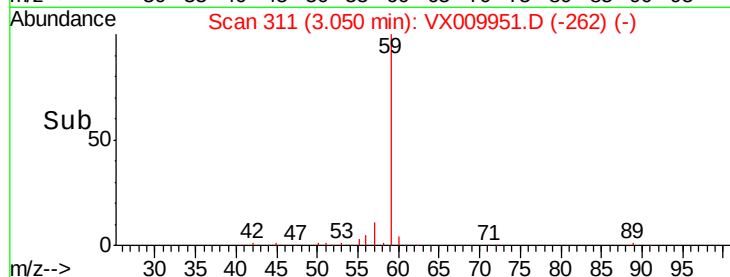
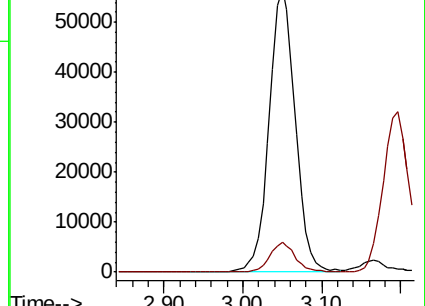
59 100

57 10.1 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 44.792 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

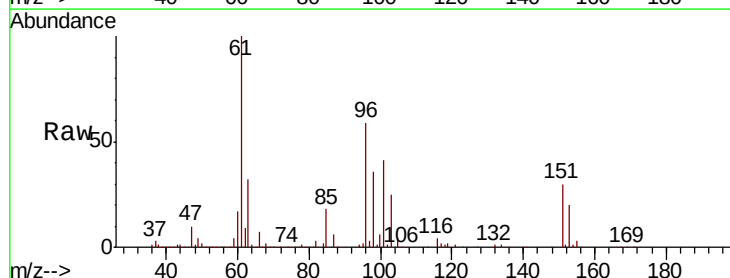
Tgt Ion: 96 Resp: 78428

Ion Ratio Lower Upper

96 100

61 170.8 140.7 211.1

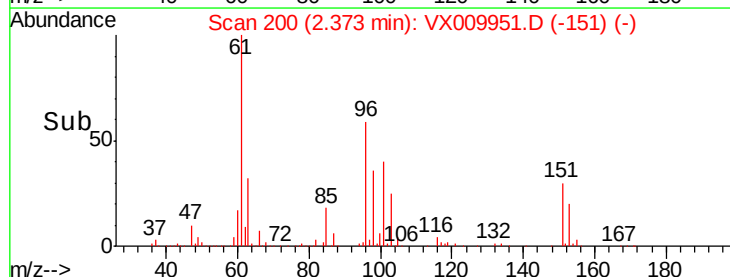
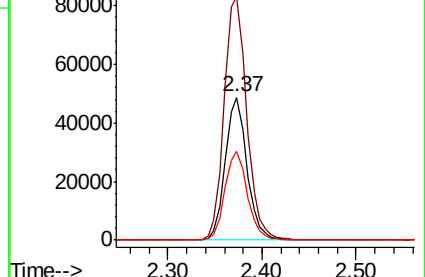
98 62.1 50.1 75.1

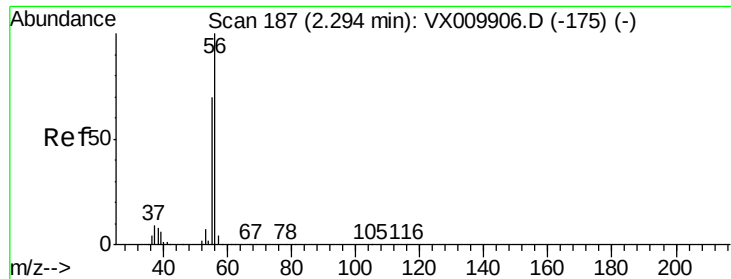


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

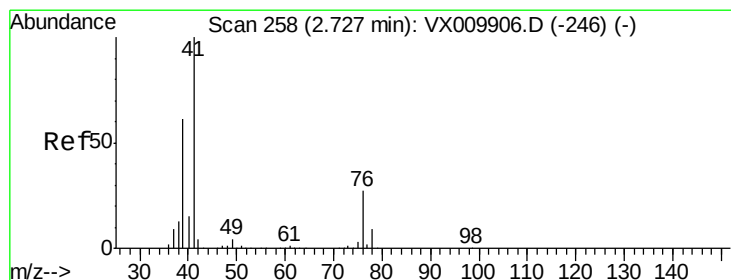
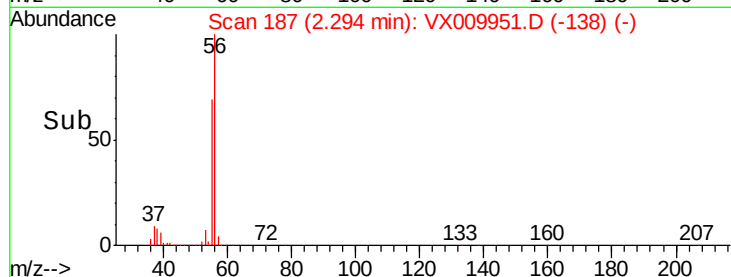
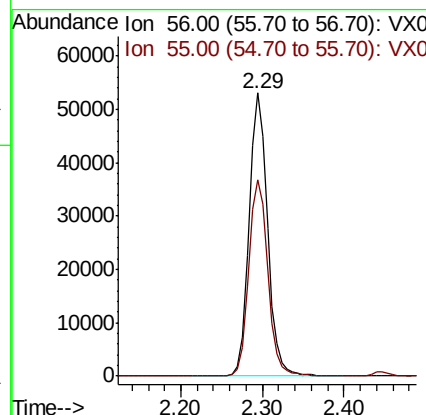
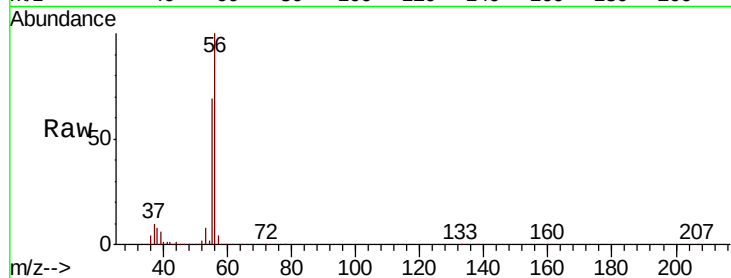




#13
 Acrolein
 Concen: 200.314 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

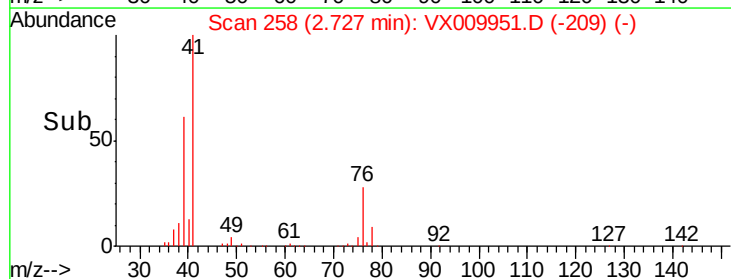
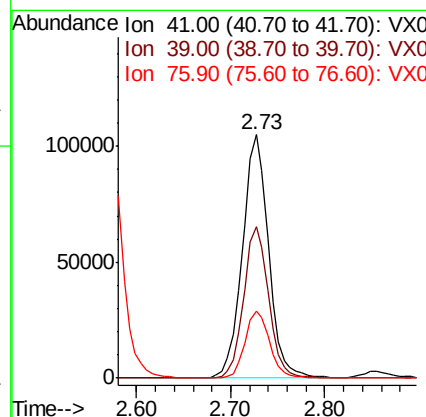
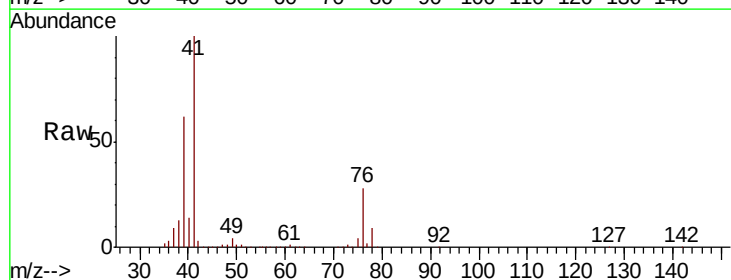
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

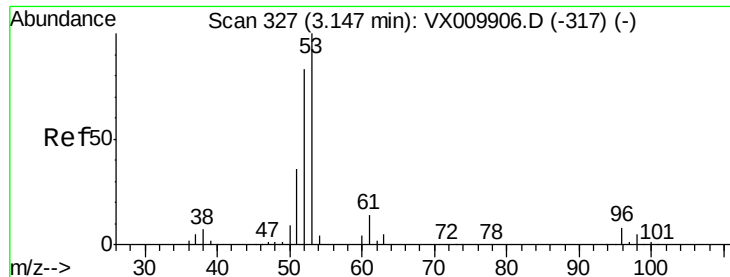
Tot Ion: 56 Resp: 83389
 Ion Ratio Lower Upper
 56 100
 55 71.9 57.0 85.4



#14
 Allyl chloride
 Concen: 47.715 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Tgt Ion: 41 Resp: 203058
 Ion Ratio Lower Upper
 41 100
 39 59.6 46.7 70.1
 76 26.1 21.0 31.4





#15

Acrylonitrile

Concen: 227.479 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

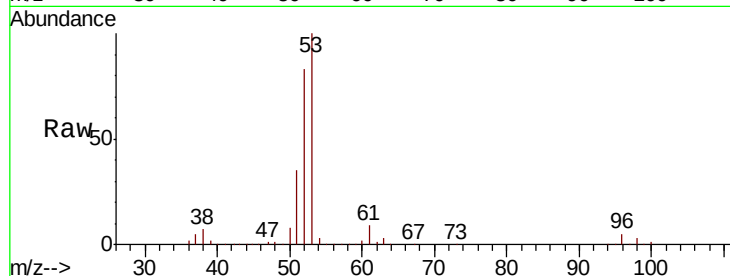
Tot Ion: 53 Resp: 329429

Ion Ratio Lower Upper

53 100

52 83.6 66.7 100.1

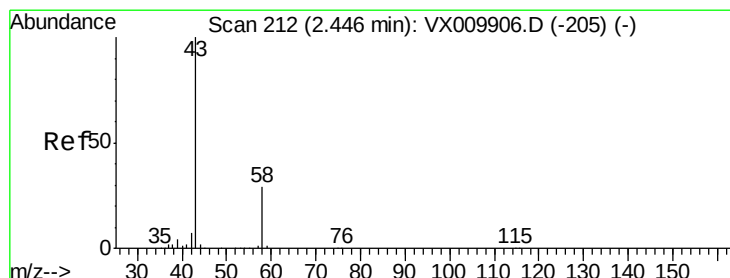
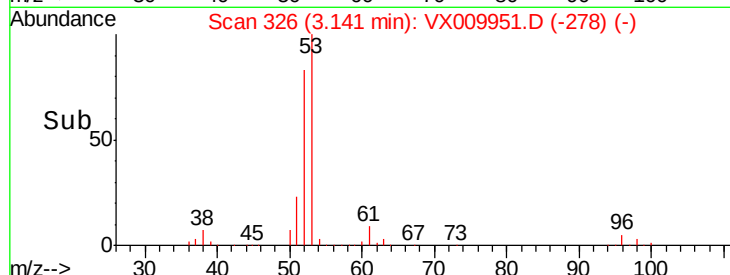
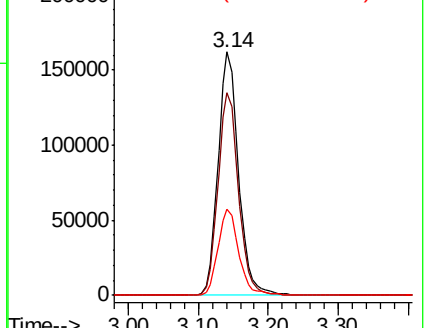
51 36.0 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 245.377 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009951.D

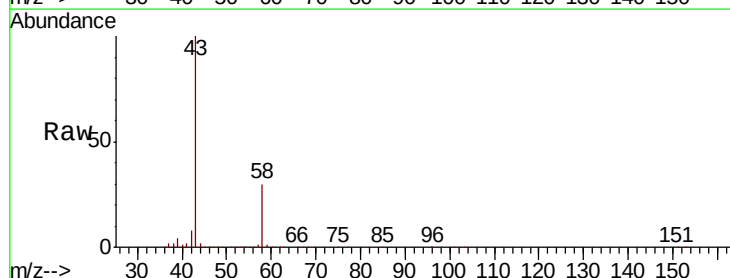
Acq: 30 May 2019 11:06

Tgt Ion: 43 Resp: 346243

Ion Ratio Lower Upper

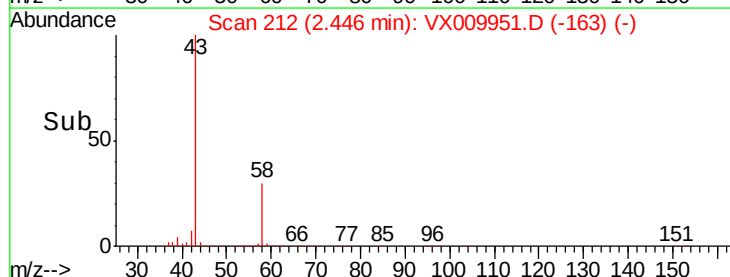
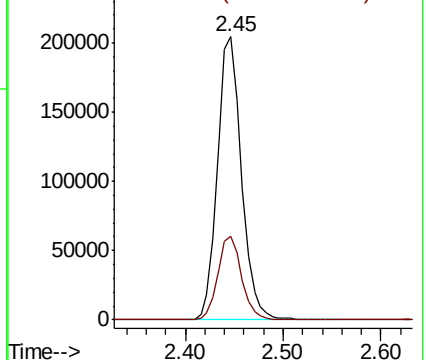
43 100

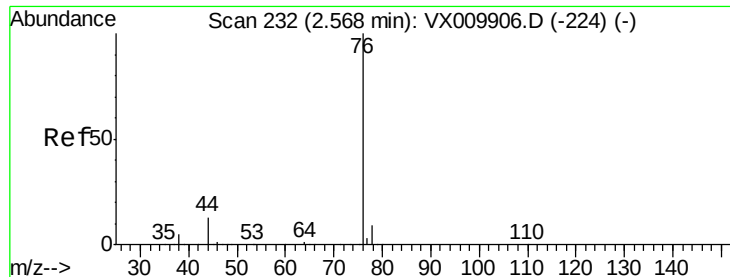
58 29.5 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

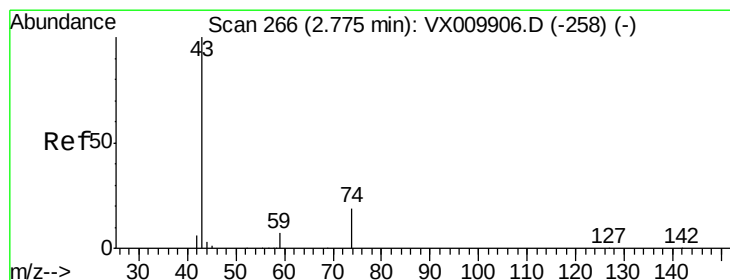
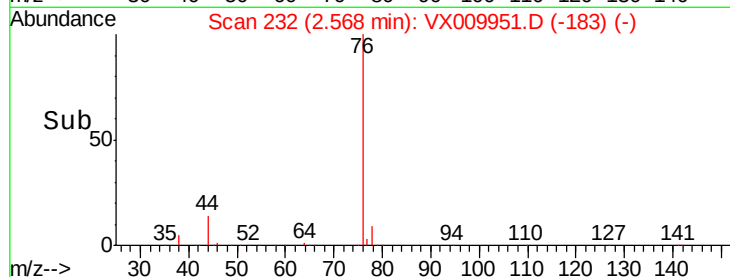
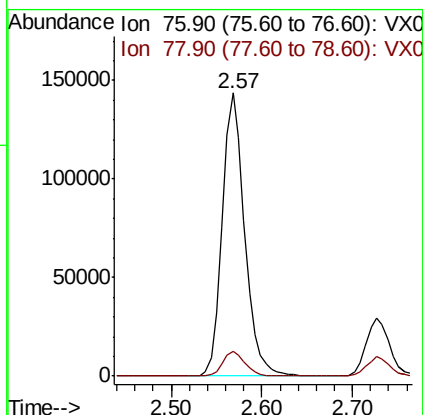
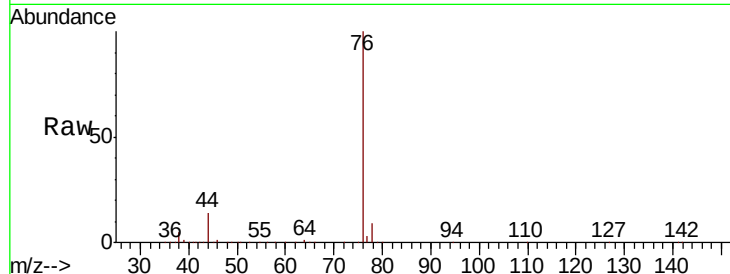




#17
Carbon Disulfide
Concen: 46.511 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

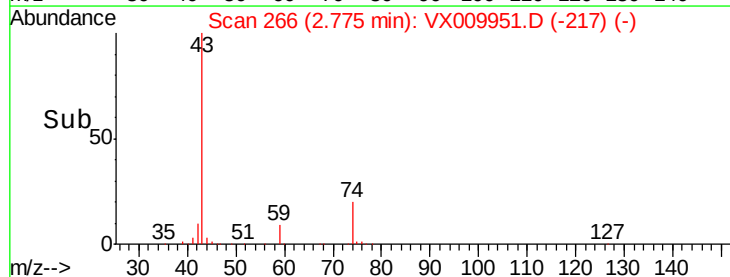
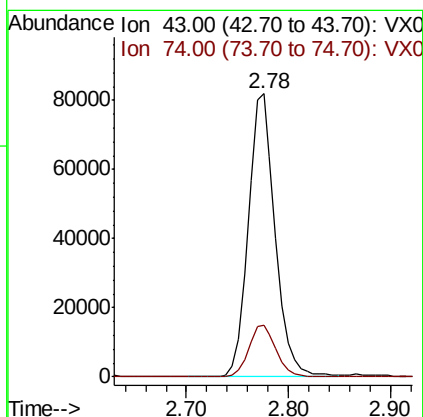
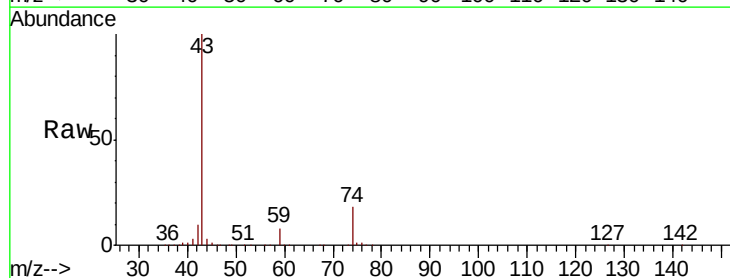
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

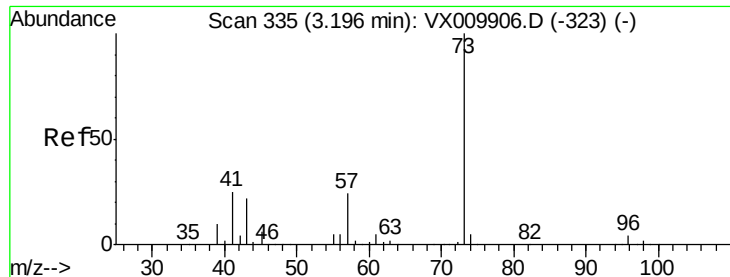
Tot Ion: 76 Resp: 246449
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 45.747 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion: 43 Resp: 150202
Ion Ratio Lower Upper
43 100
74 18.9 15.8 23.6

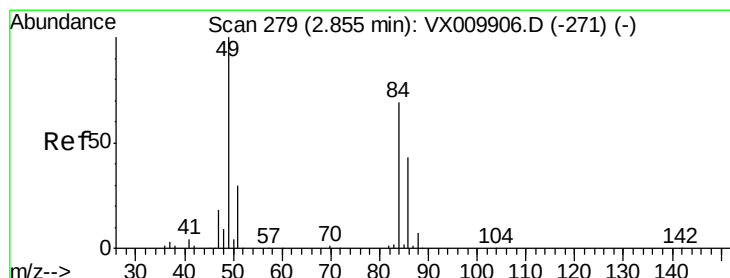
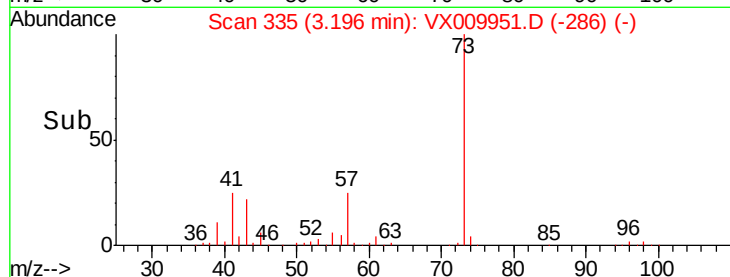
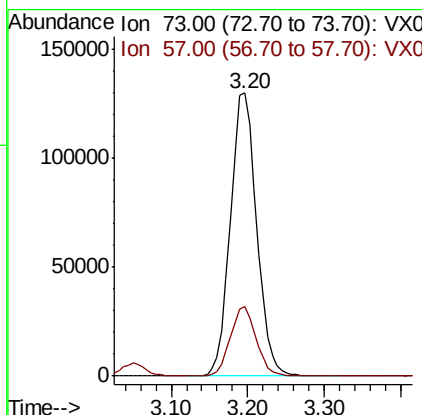
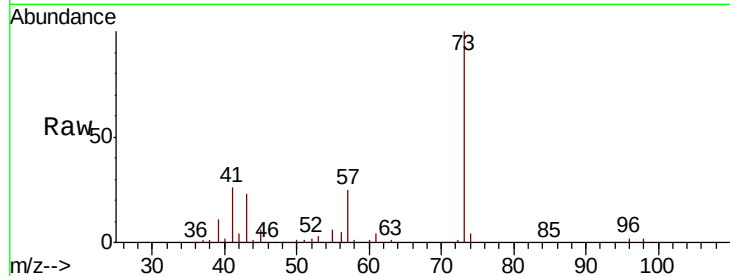




#19
Methyl tert-butyl Ether
Concen: 46.740 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

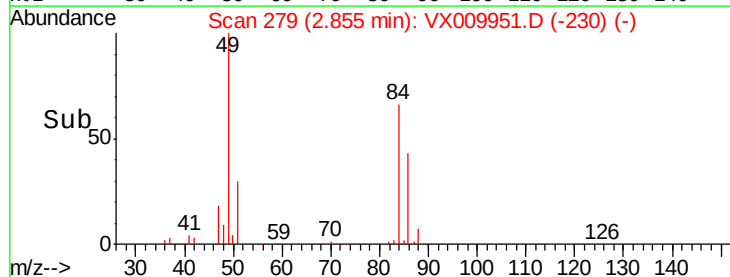
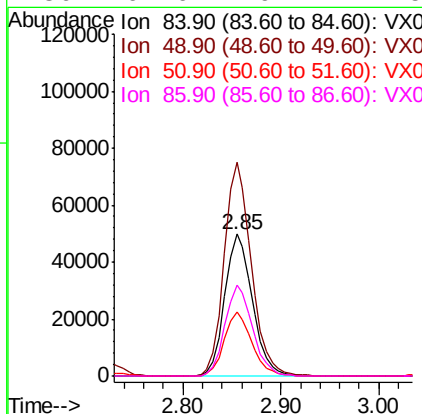
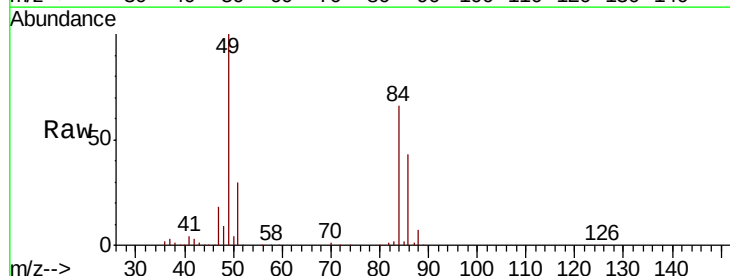
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

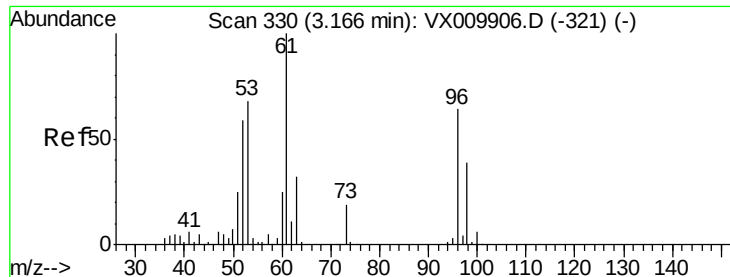
Tot Ion: 73 Resp: 308968
Ion Ratio Lower Upper
73 100
57 24.7 19.4 29.2



#20
Methylene Chloride
Concen: 45.229 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion: 84 Resp: 97733
Ion Ratio Lower Upper
84 100
49 150.4 115.8 173.6
51 44.6 34.4 51.6
86 64.6 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 44.711 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

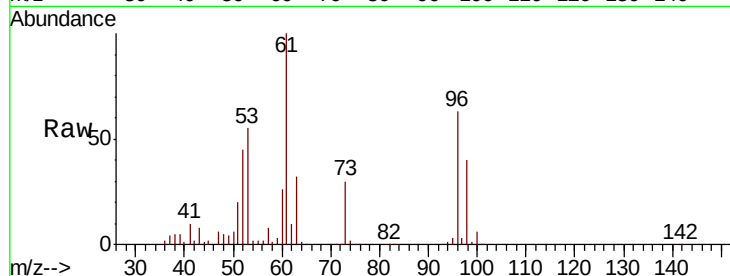
Tot Ion: 96 Resp: 87105

Ion Ratio Lower Upper

96 100

61 158.0 125.7 188.5

98 63.4 49.0 73.6

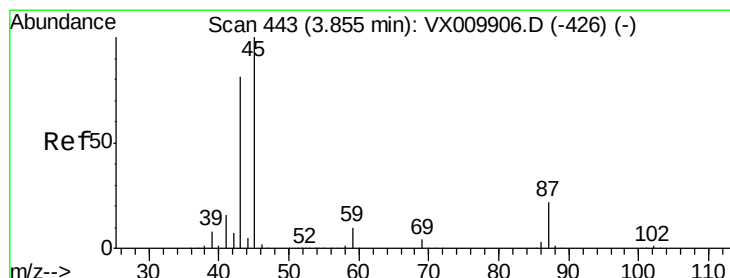
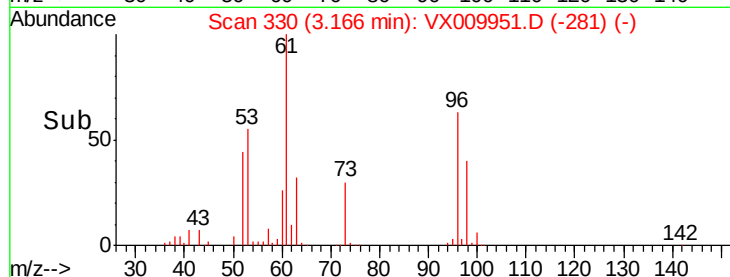
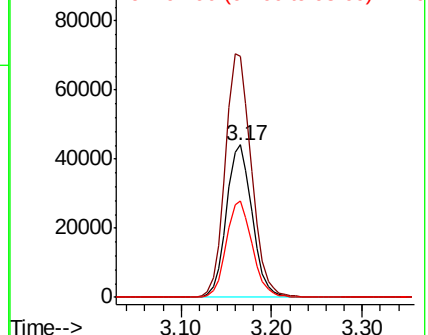


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.193 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Tgt Ion: 45 Resp: 390222

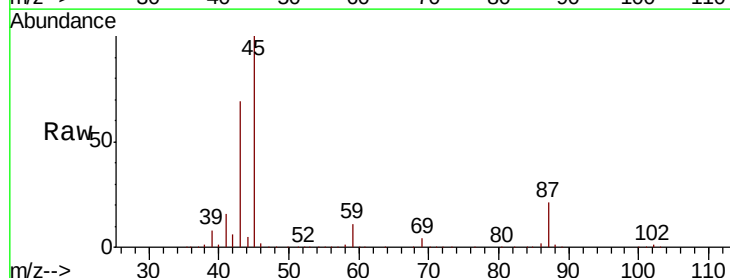
Ion Ratio Lower Upper

45 100

43 68.6 65.0 97.4

87 21.5 17.3 25.9

59 10.7 8.1 12.1



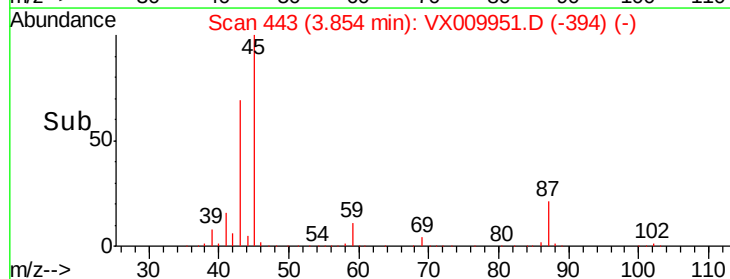
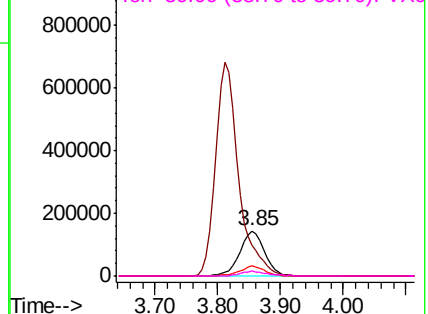
Abundance

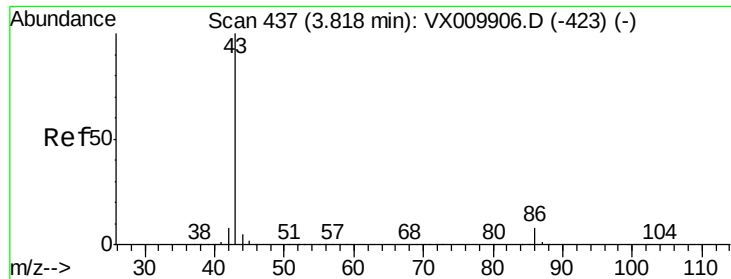
Ion 45.00 (44.70 to 45.70): VX0

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: 239.503 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

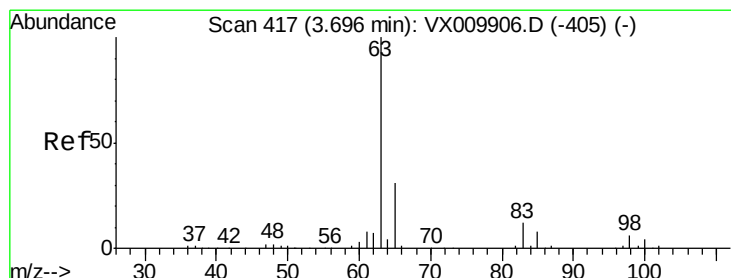
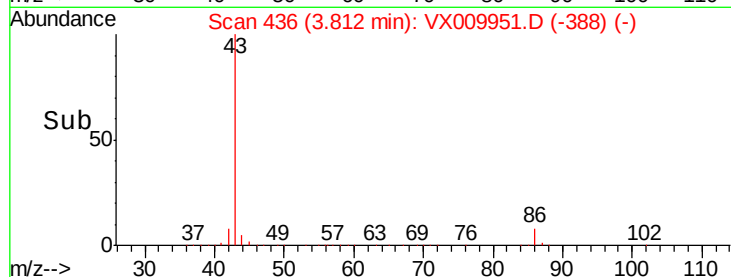
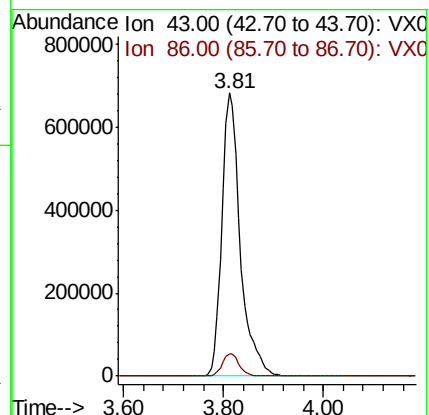
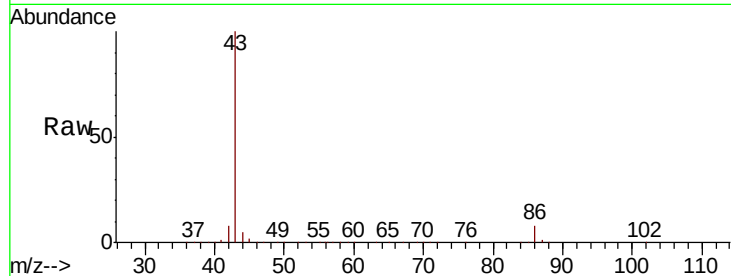
VSTDCCC050

Tot Ion: 43 Resp: 1742157

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 46.785 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

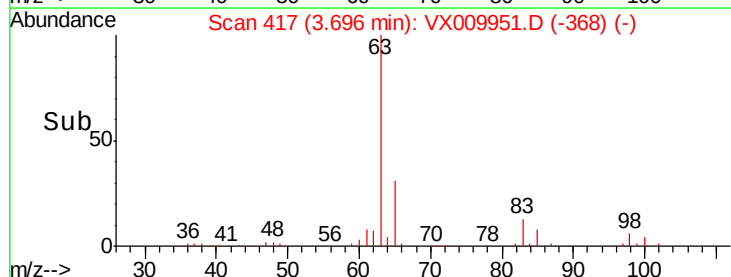
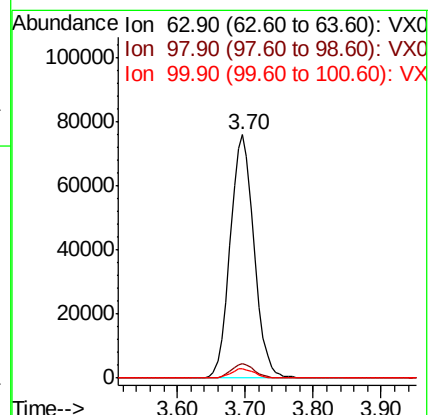
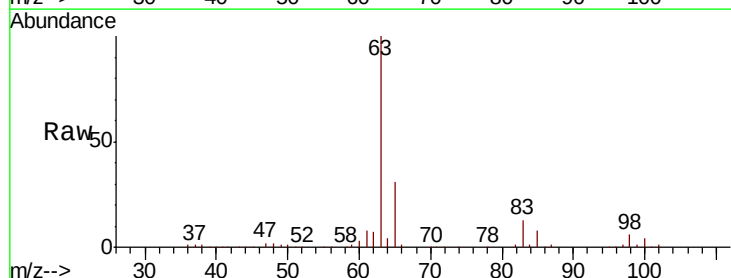
Tgt Ion: 63 Resp: 183584

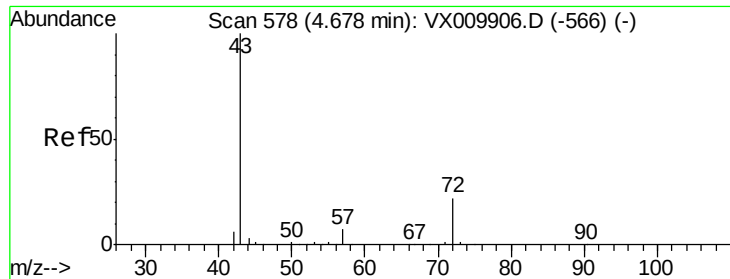
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.8 1.8 5.4





#25

2-Butanone

Concen: 239.054 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

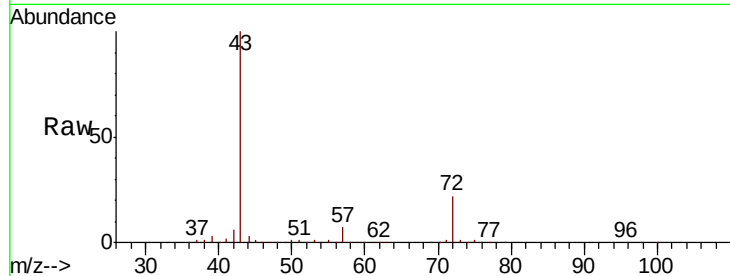
VSTDCCC050

Tot Ion: 43 Resp: 525542

Ion Ratio Lower Upper

43 100

72 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

200000

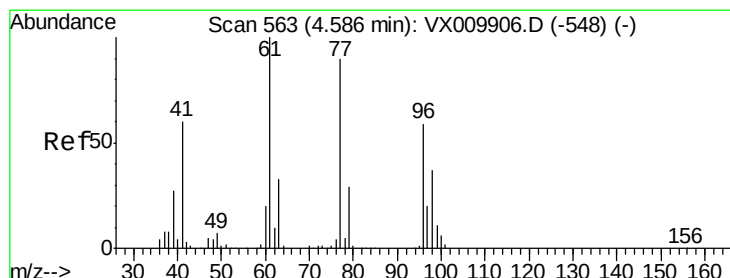
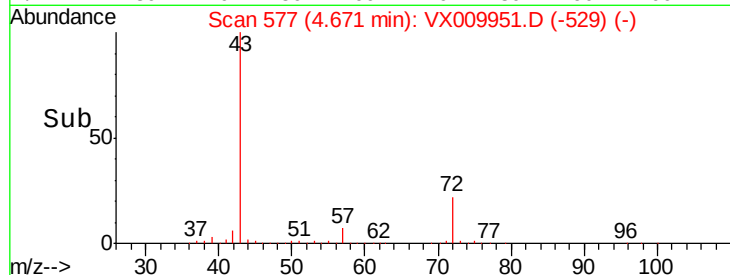
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.799 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009951.D

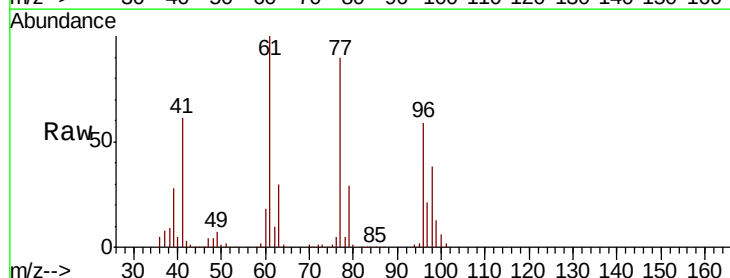
Acq: 30 May 2019 11:06

Tgt Ion: 77 Resp: 135946

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

50000

40000

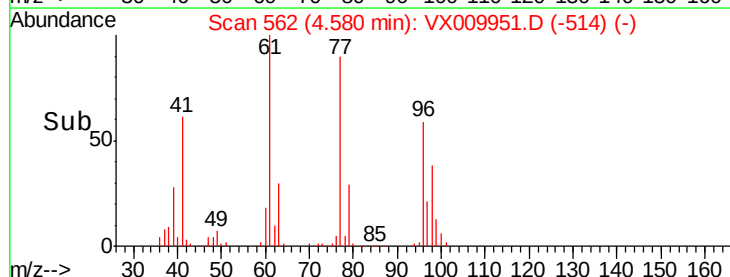
30000

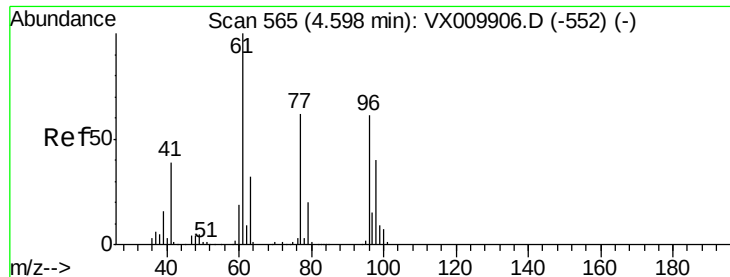
20000

10000

0

Time-->



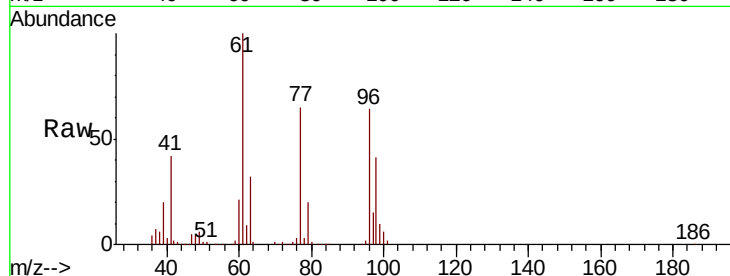


#27

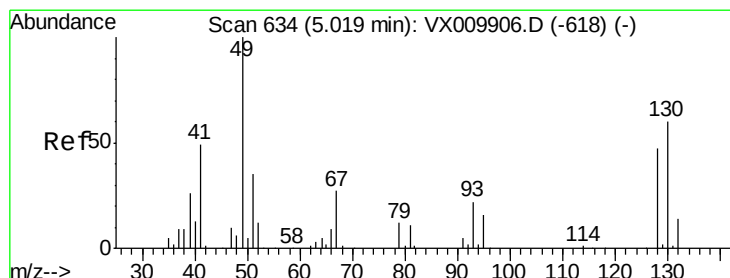
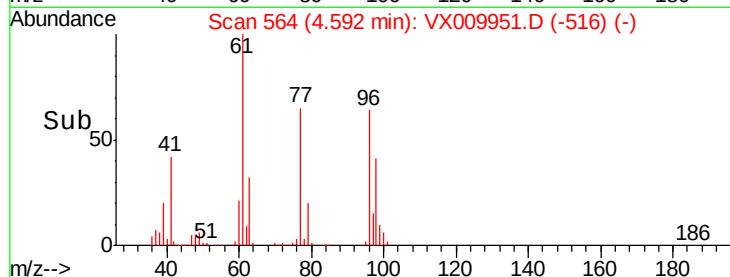
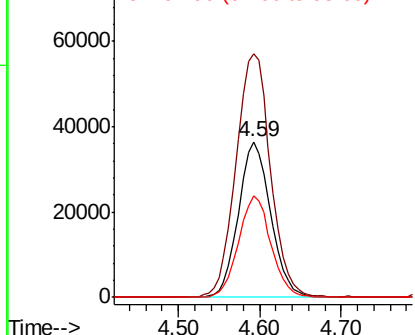
cis-1,2-Dichloroethene
 Concen: 44.624 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.4	0.0	334.0
98	65.3	0.0	131.6



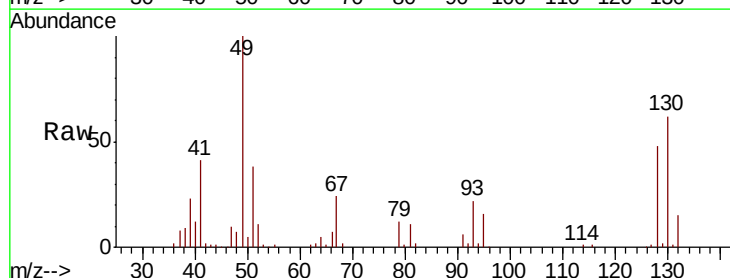
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



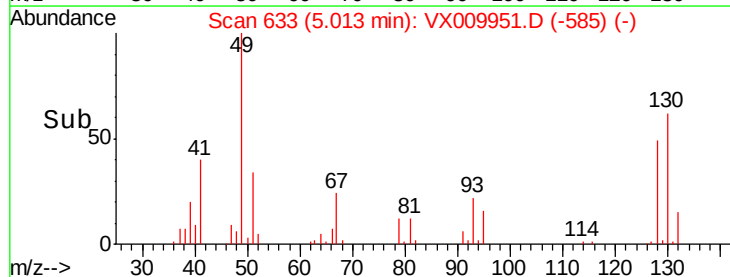
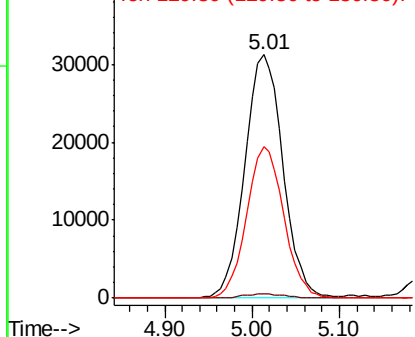
#28

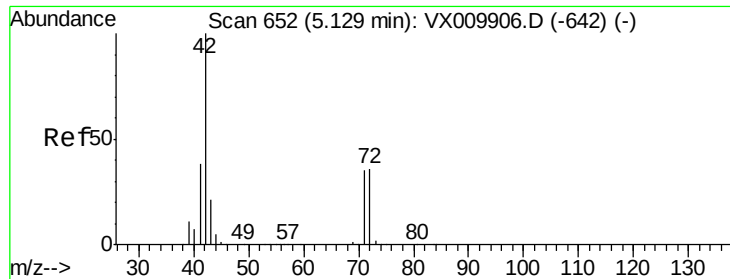
Bromochloromethane
 Concen: 46.282 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	61.0	49.4	74.2



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





#29

Tetrahydrofuran

Concen: 232.365 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

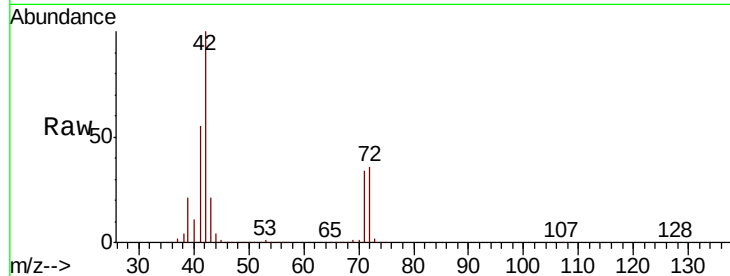
Tot Ion: 42 Resp: 327580

Ion Ratio Lower Upper

42 100

72 35.7 29.2 43.8

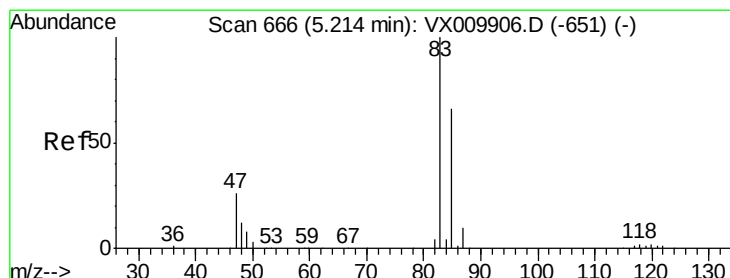
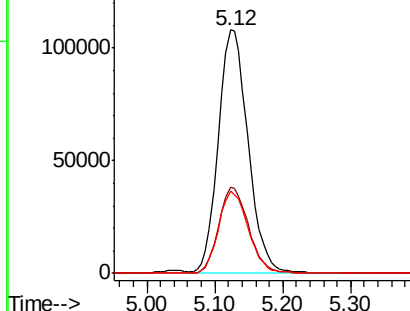
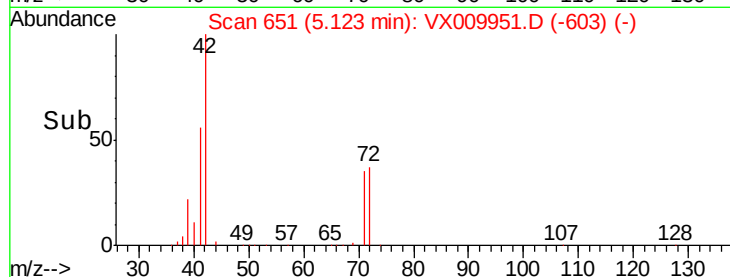
71 33.8 27.6 41.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 46.843 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX009951.D

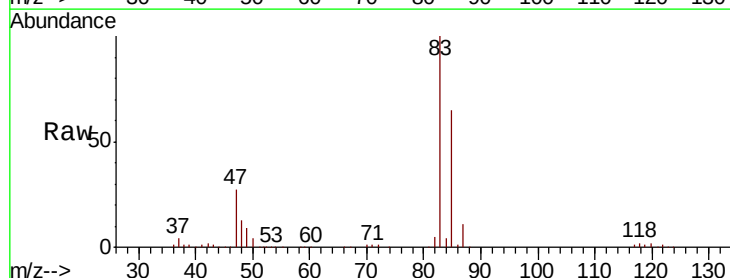
Acq: 30 May 2019 11:06

Tgt Ion: 83 Resp: 165772

Ion Ratio Lower Upper

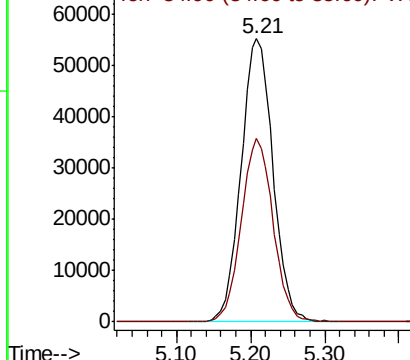
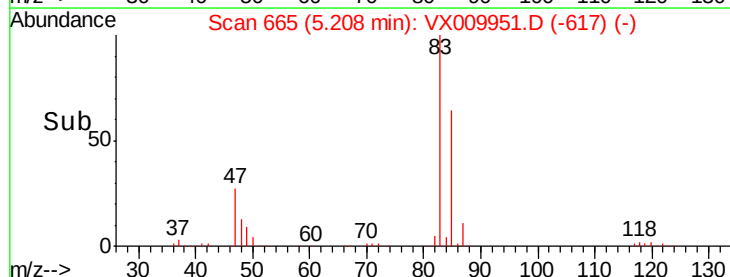
83 100

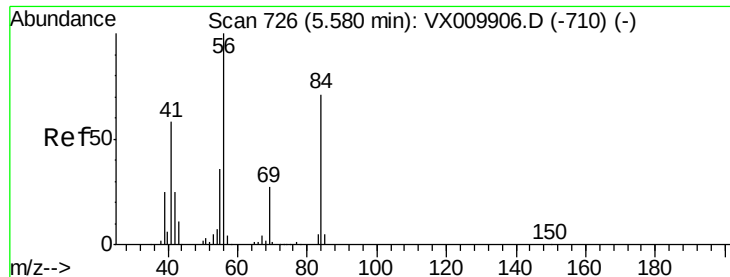
85 64.7 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.954 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

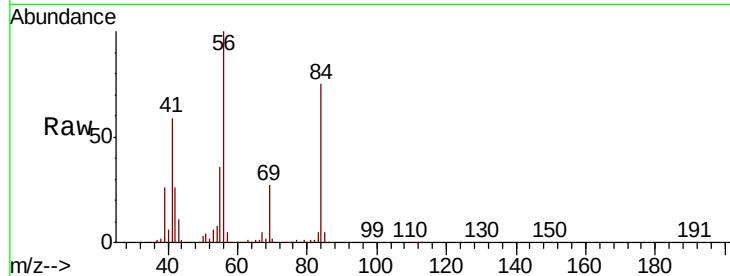
Tot Ion: 56 Resp: 181939

Ion Ratio Lower Upper

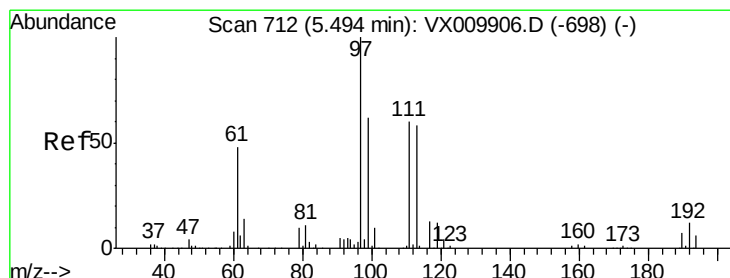
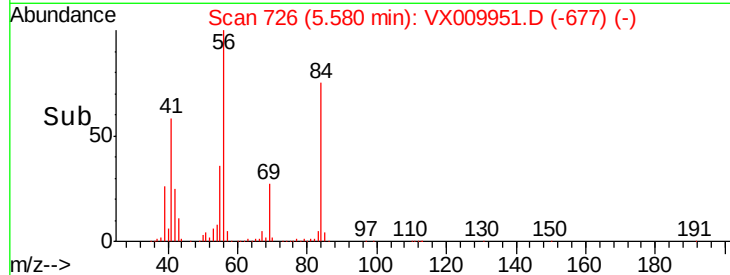
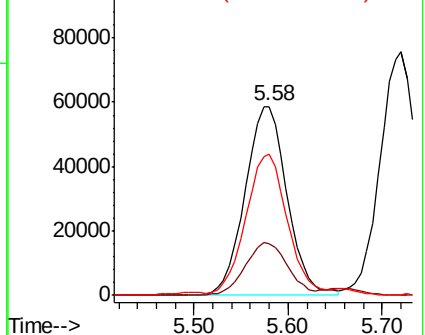
56 100

69 27.4 21.6 32.4

84 73.7 56.8 85.2



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: 47.787 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

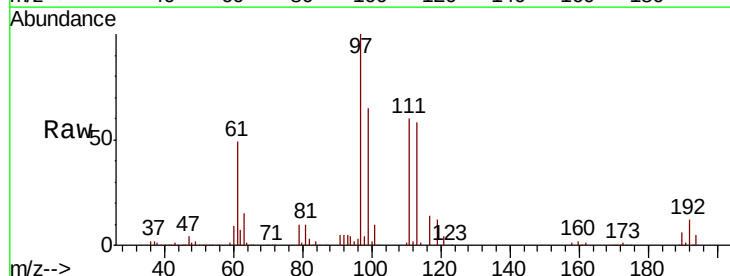
Tgt Ion: 97 Resp: 137726

Ion Ratio Lower Upper

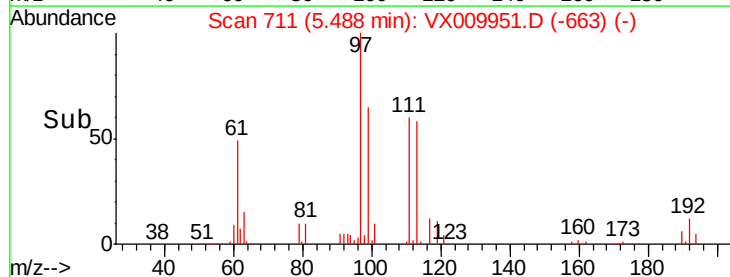
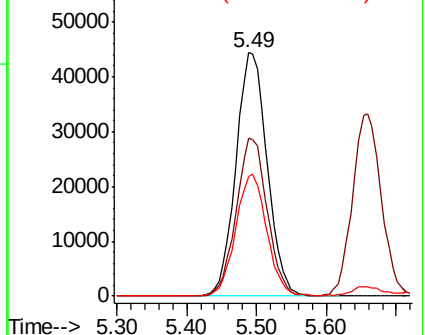
97 100

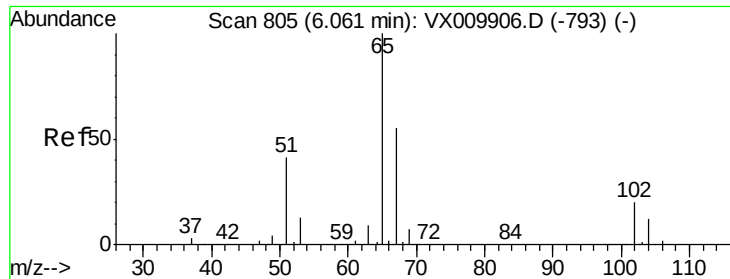
99 64.5 51.0 76.4

61 49.8 38.7 58.1



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: 45.591 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

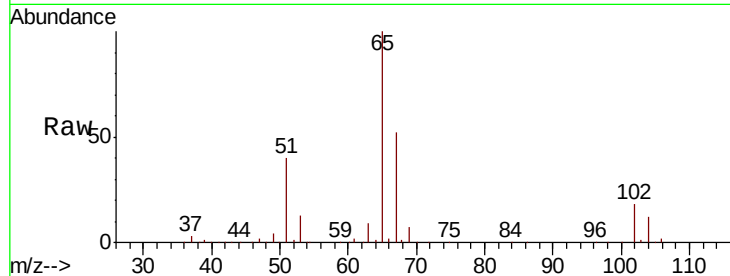
VSTDCCC050

Tot Ion: 65 Resp: 111344

Ion Ratio Lower Upper

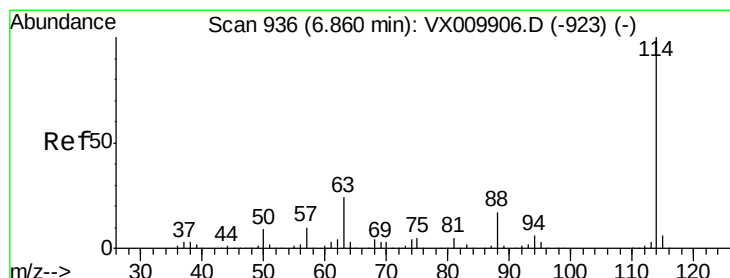
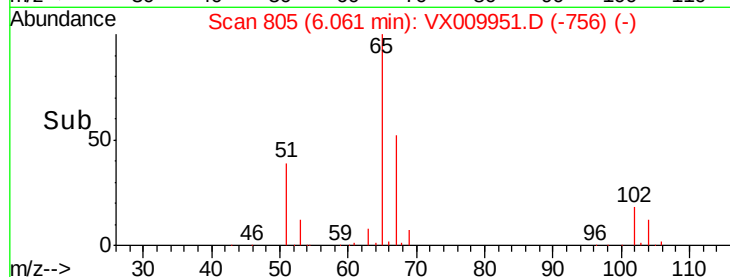
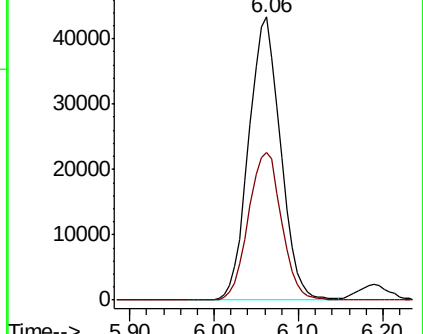
65 100

67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

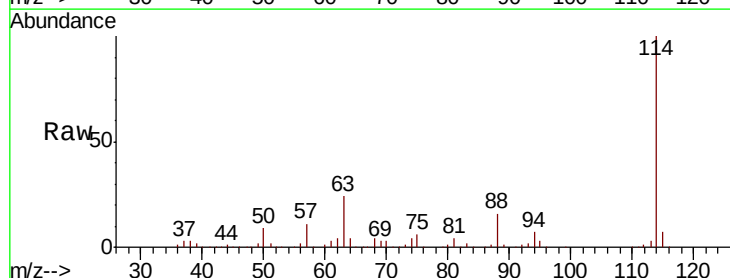
Tgt Ion: 114 Resp: 267746

Ion Ratio Lower Upper

114 100

63 23.7 0.0 47.4

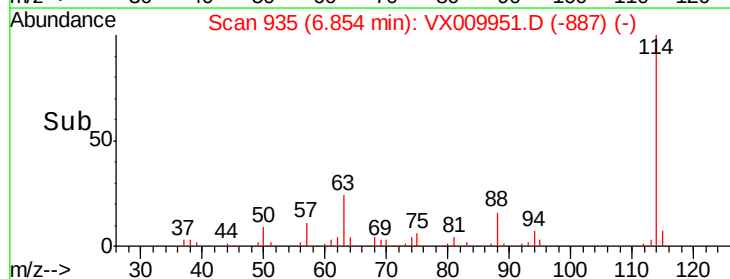
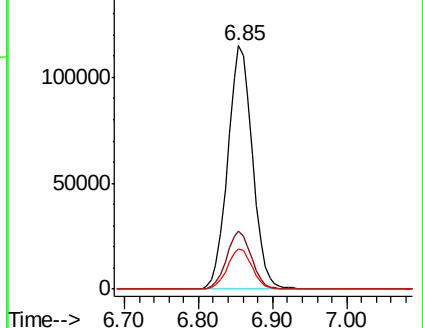
88 16.4 0.0 33.0

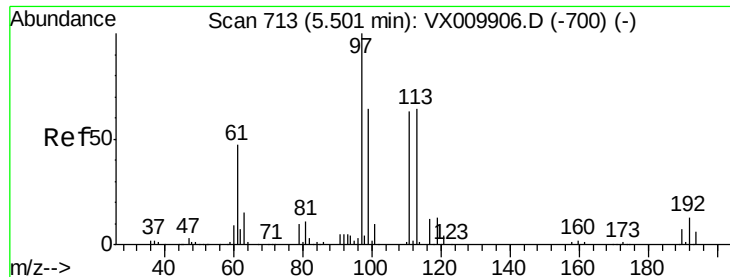


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.972 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

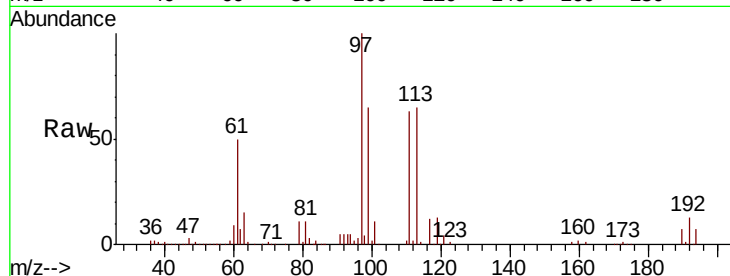
Tot Ion:113 Resp: 80753

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

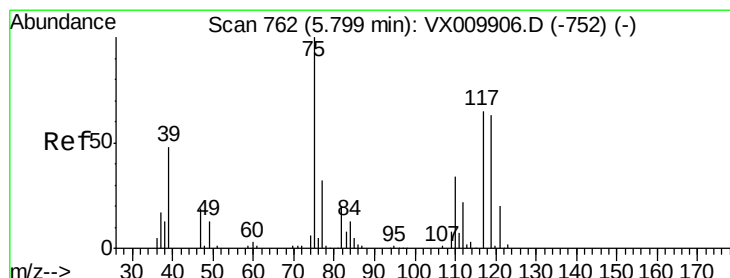
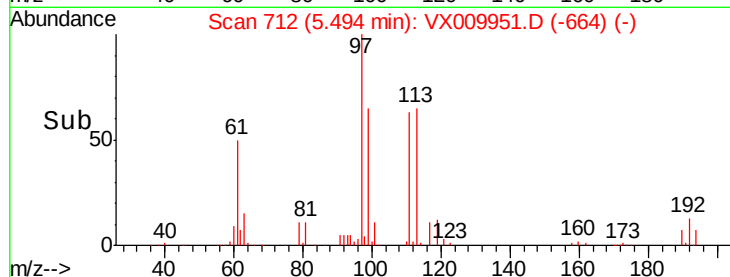
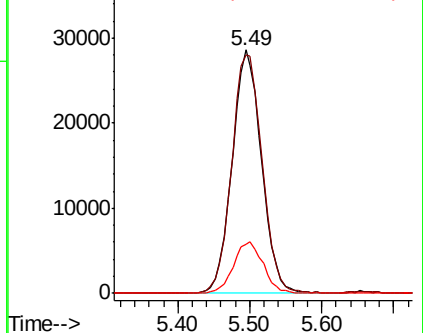
192 21.3 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.420 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

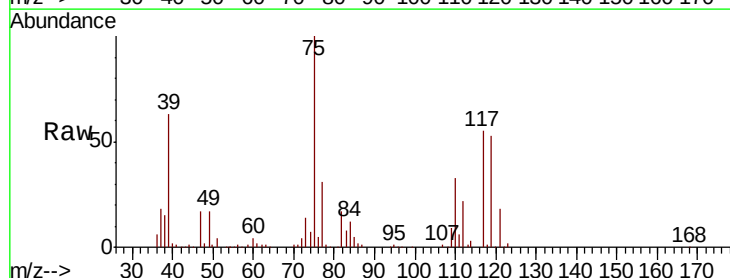
Tgt Ion: 75 Resp: 128822

Ion Ratio Lower Upper

75 100

110 33.8 16.7 50.1

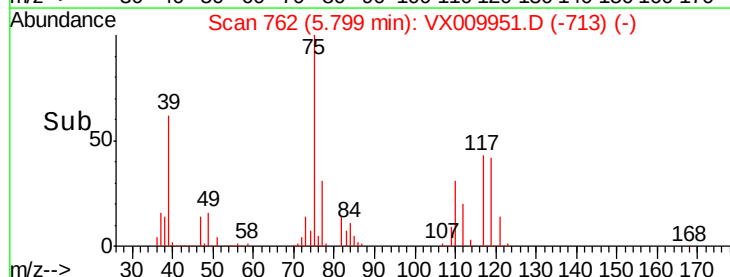
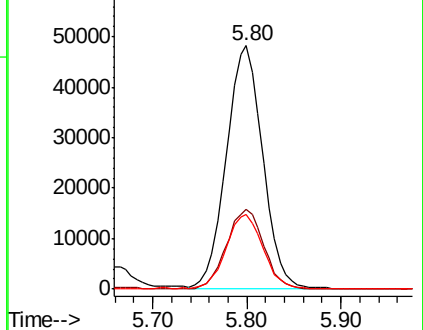
77 31.6 25.0 37.4

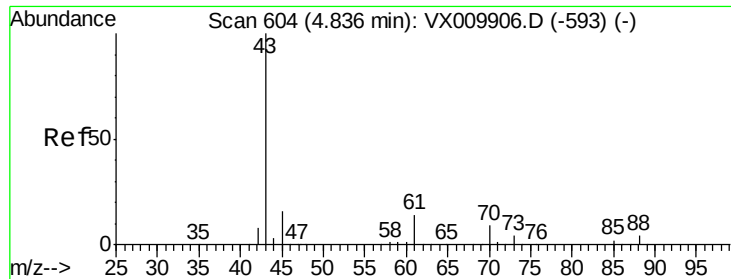


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

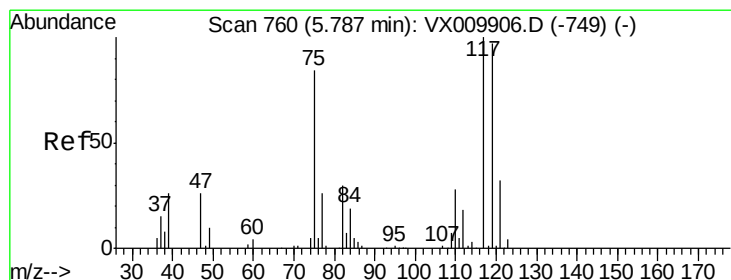
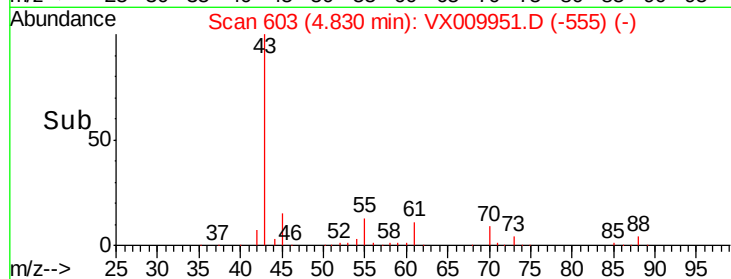
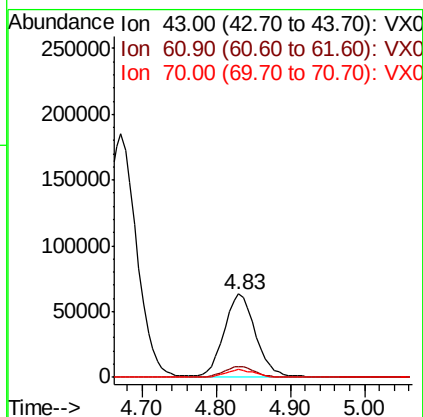
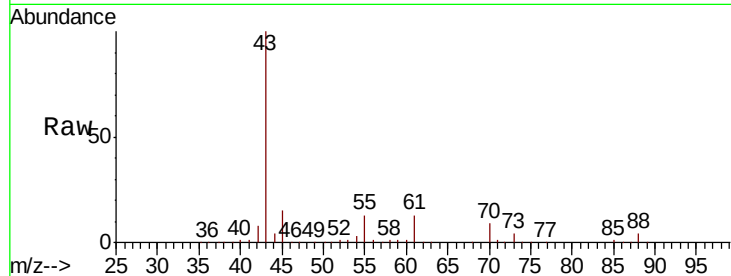




#37
Ethyl Acetate
Concen: 49.057 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

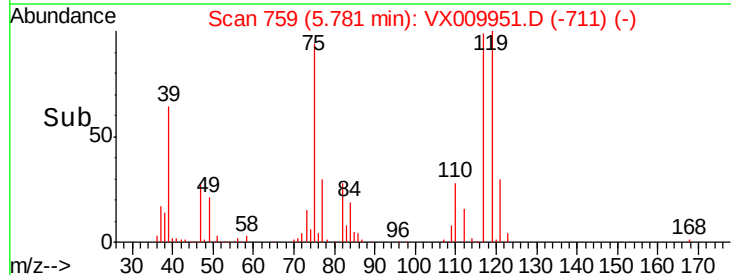
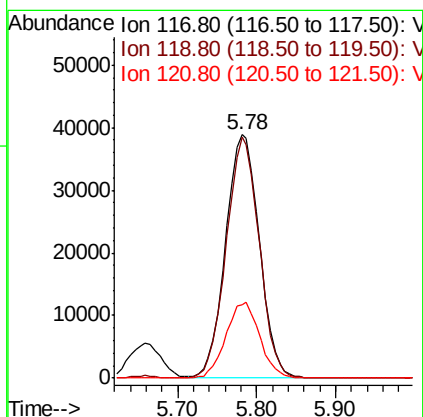
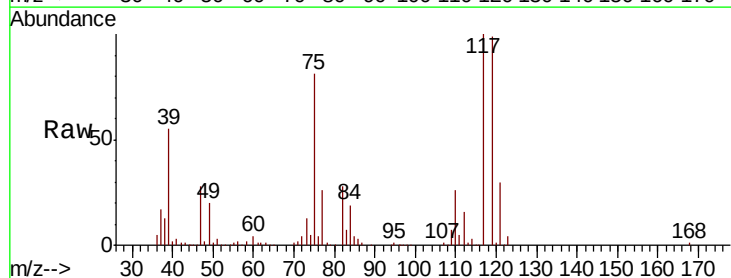
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

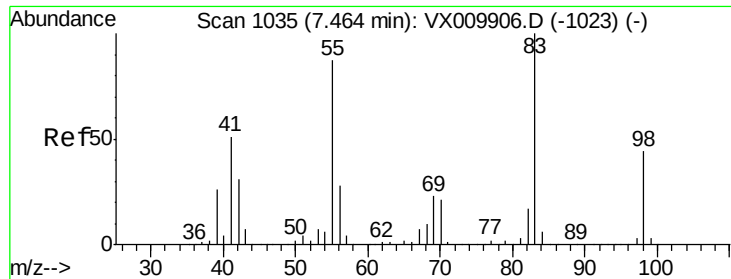
Tot Ion: 43 Resp: 185693
Ion Ratio Lower Upper
43 100
61 13.2 10.2 15.2
70 8.9 7.4 11.2



#38
Carbon Tetrachloride
Concen: 49.404 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion: 117 Resp: 115977
Ion Ratio Lower Upper
117 100
119 98.7 77.3 115.9
121 29.9 25.4 38.0

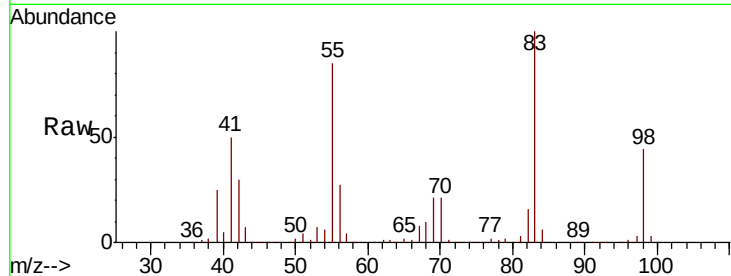




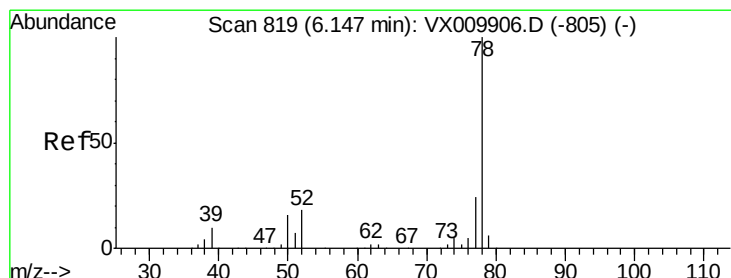
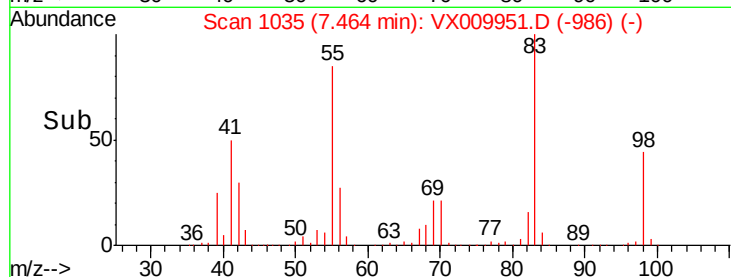
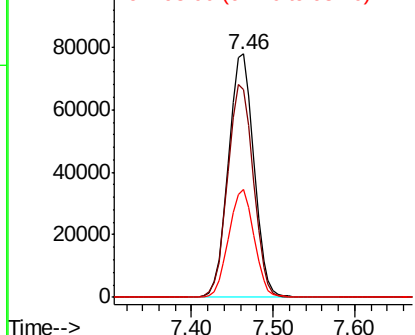
#39
Methylvlcyclohexane
Concen: 52.063 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 167767
Ion Ratio Lower Upper
83 100
55 85.5 69.9 104.9
98 44.2 35.1 52.7

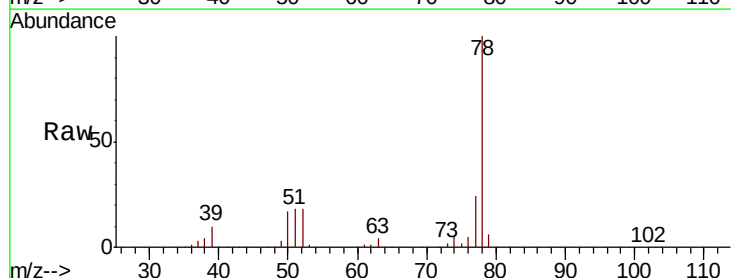


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

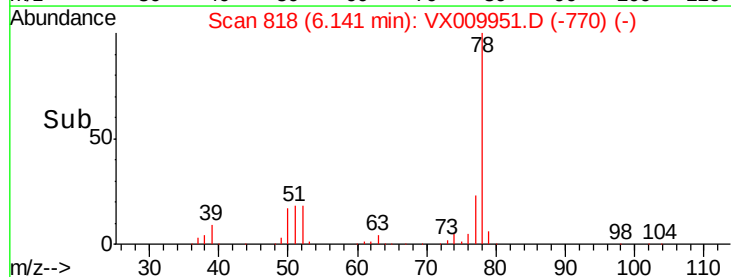
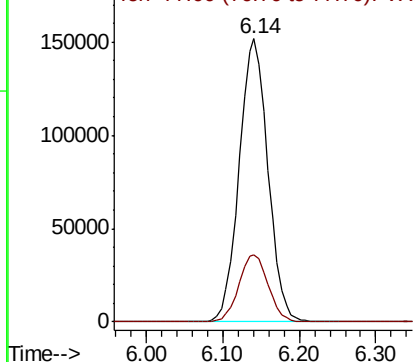


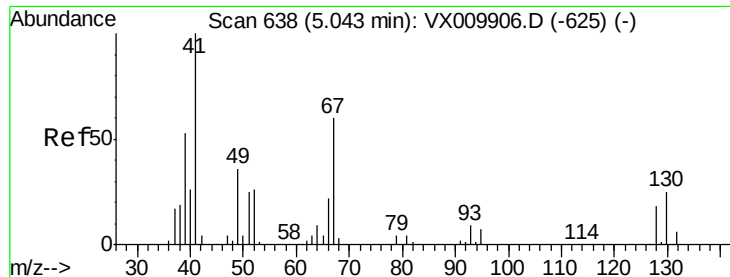
#40
Benzene
Concen: 49.060 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion: 78 Resp: 395355
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

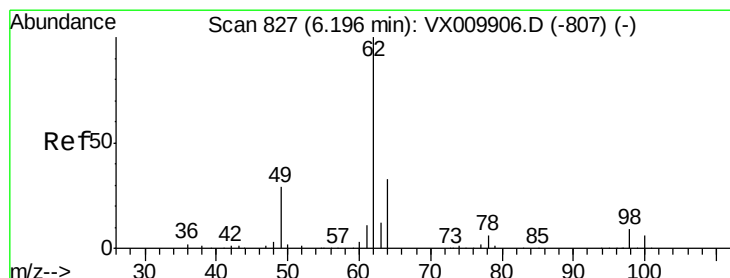
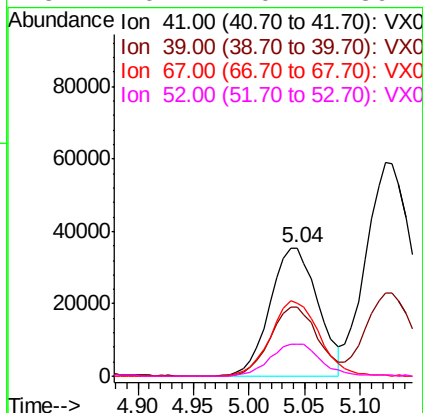
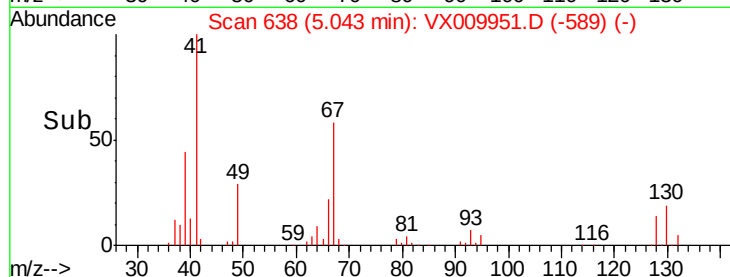
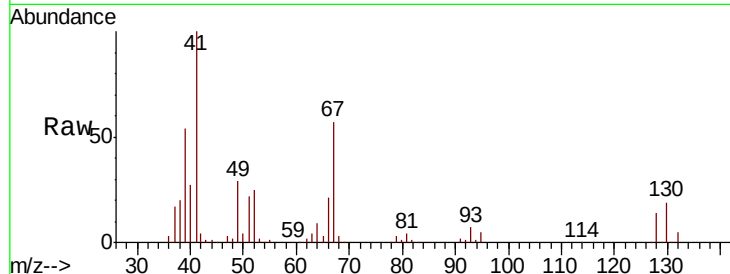




#41
Methacrylonitrile
Concen: 48.011 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

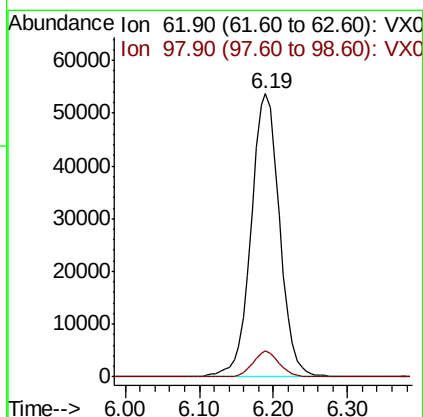
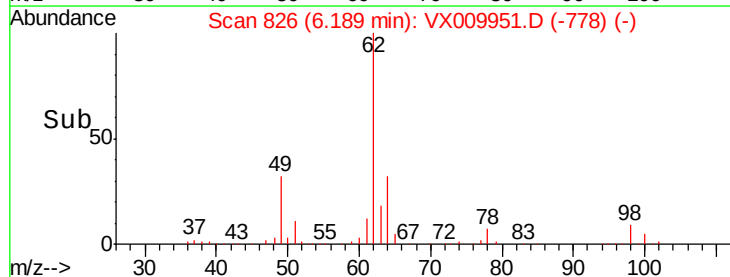
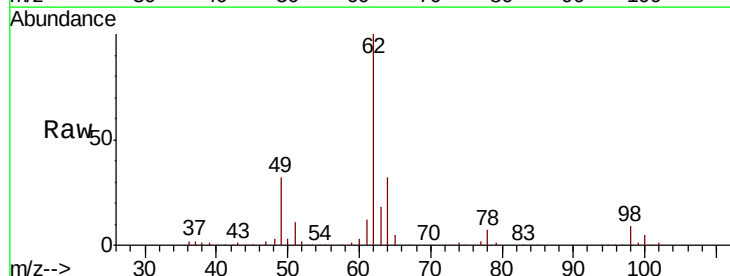
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

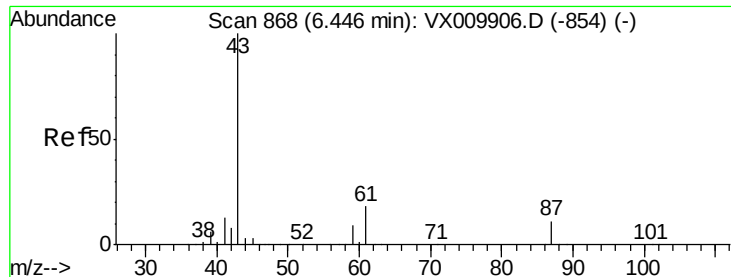
Tot Ion:	41	Resp:	106192
Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.2	63.4
67	59.8	48.9	73.3
52	26.4	20.1	30.1



#42
1,2-Dichloroethane
Concen: 48.285 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion:	62	Resp:	143854
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2



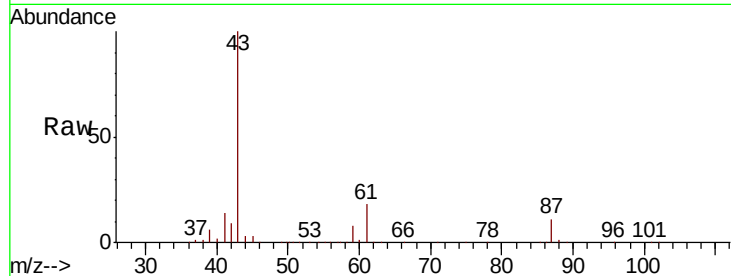


#43

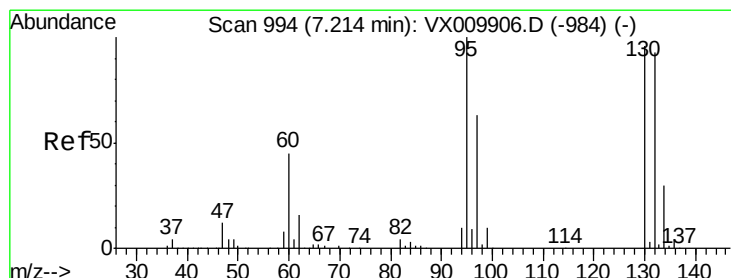
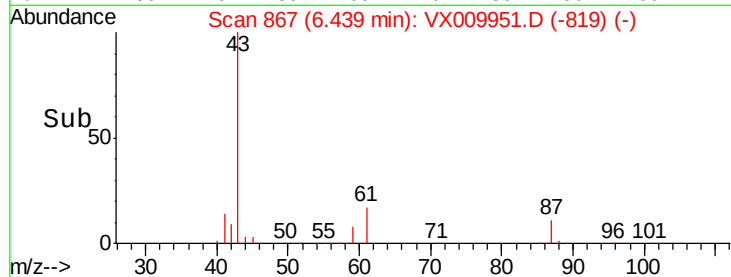
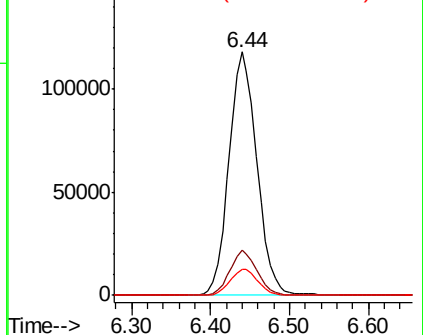
Isopropyl Acetate
 Concen: 47.318 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 289003
 Ion Ratio Lower Upper
 43 100
 61 18.1 14.6 21.8
 87 10.8 8.7 13.1



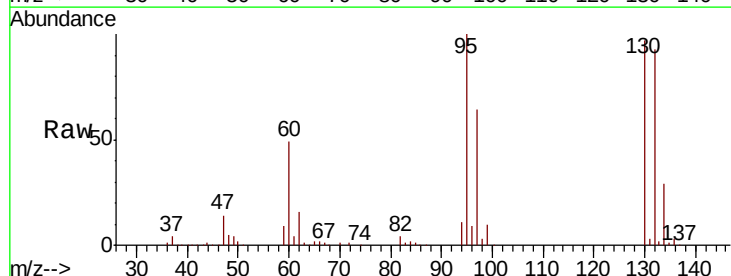
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



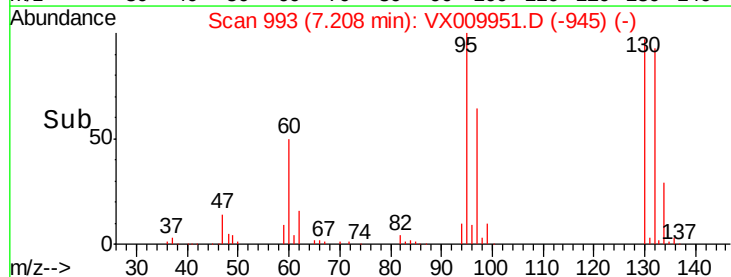
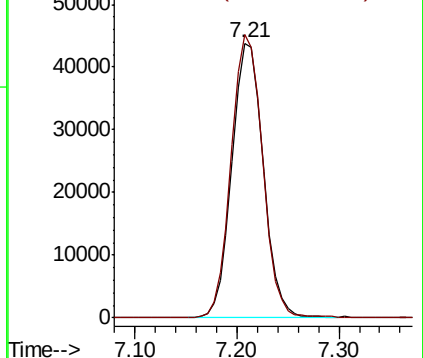
#44

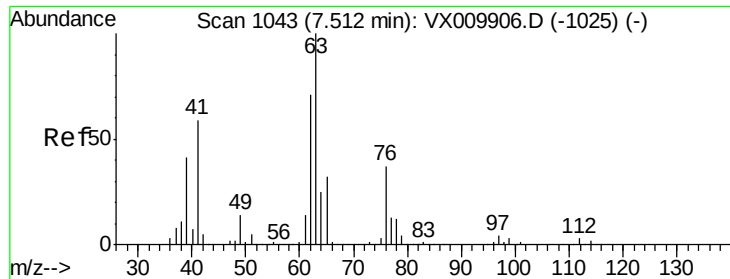
Trichloroethene
 Concen: 47.877 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Tgt Ion: 130 Resp: 93717
 Ion Ratio Lower Upper
 130 100
 95 102.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

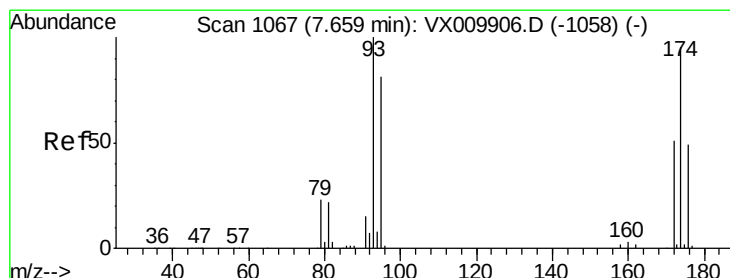
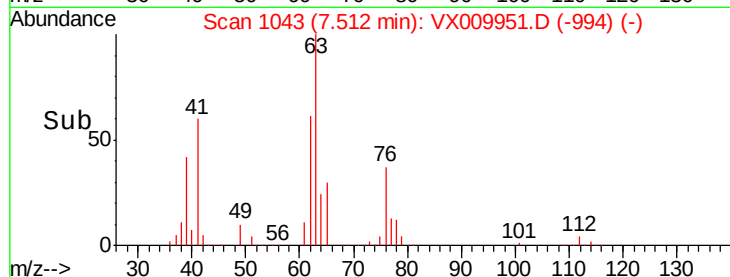
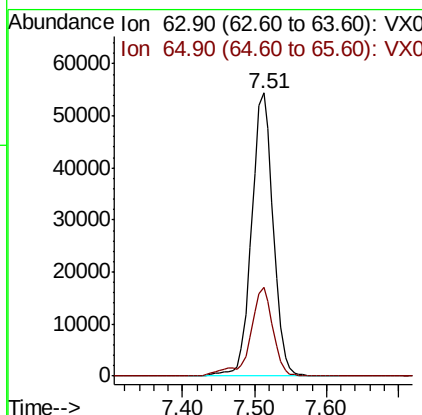
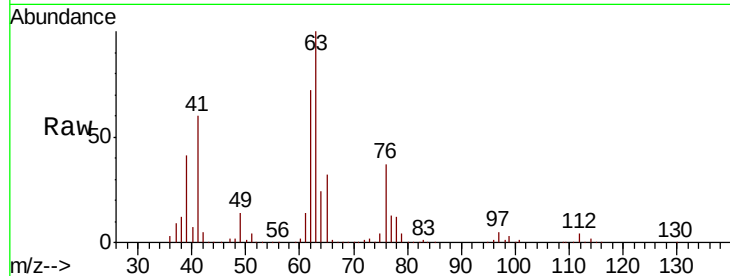




#45
 1,2-Dichloropropane
 Concen: 48.959 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

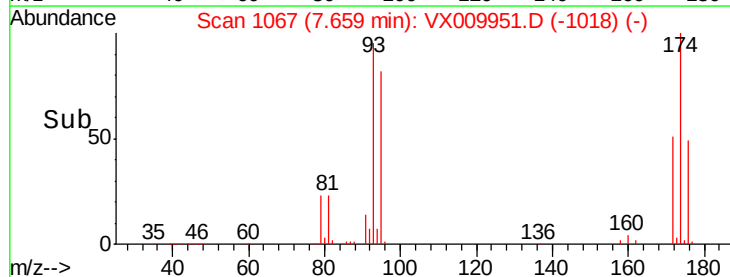
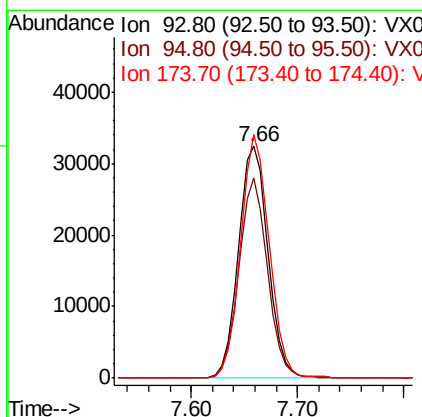
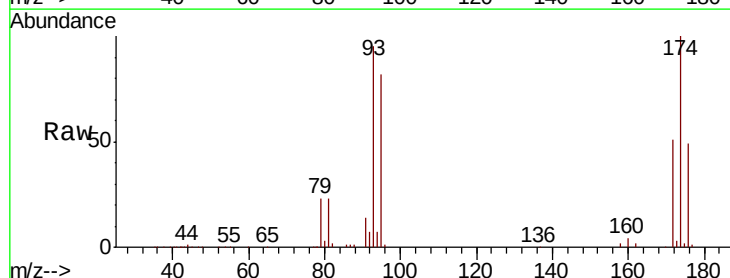
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

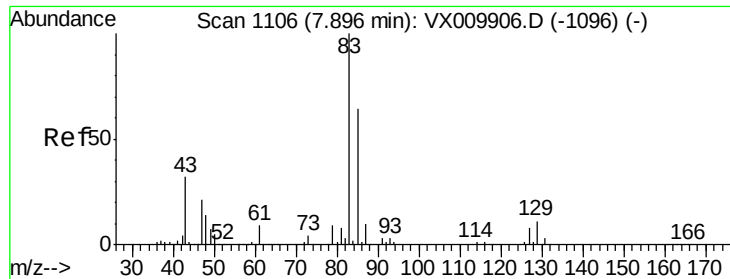
Tot Ion: 63 Resp: 113576
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.7 38.5



#46
 Dibromomethane
 Concen: 46.540 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Tgt Ion: 93 Resp: 63551
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.8 100.2
 174 101.7 81.9 122.9





#47

Bromodichloromethane

Concen: 49.337 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

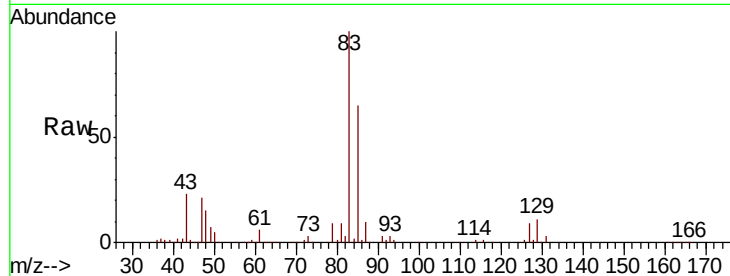
Tot Ion: 83 Resp: 128111

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.2

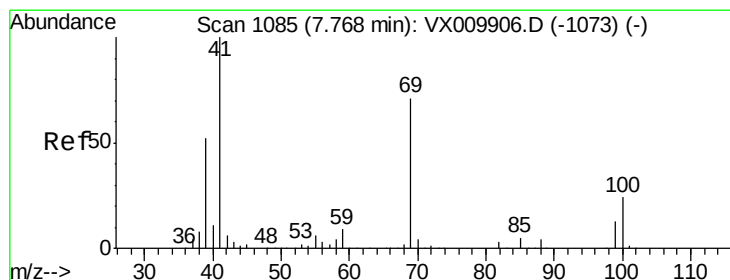
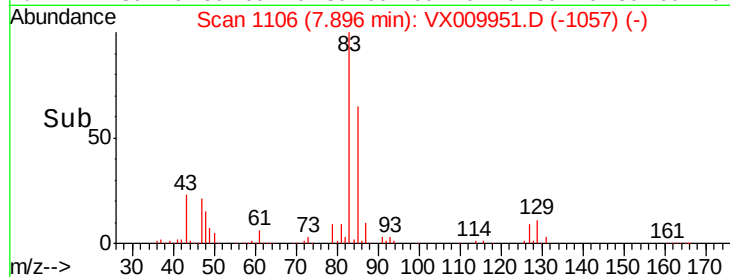
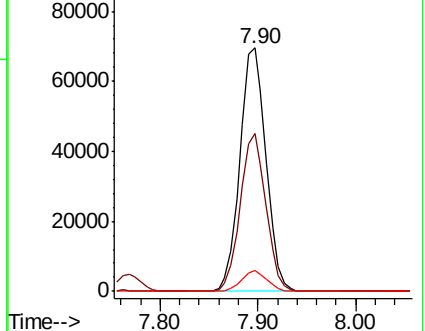
127 8.5 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.531 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

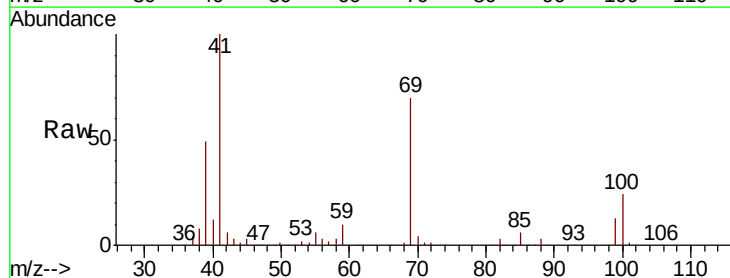
Tgt Ion: 41 Resp: 152779

Ion Ratio Lower Upper

41 100

69 69.2 56.4 84.6

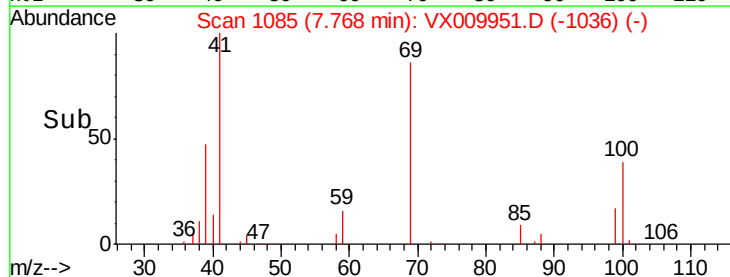
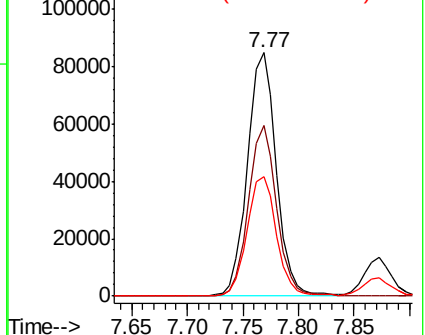
39 49.9 40.6 60.8

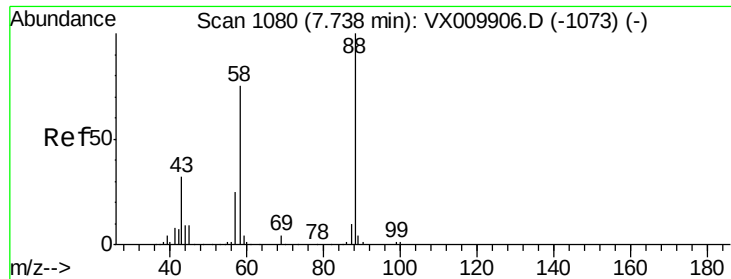


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 949.629 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

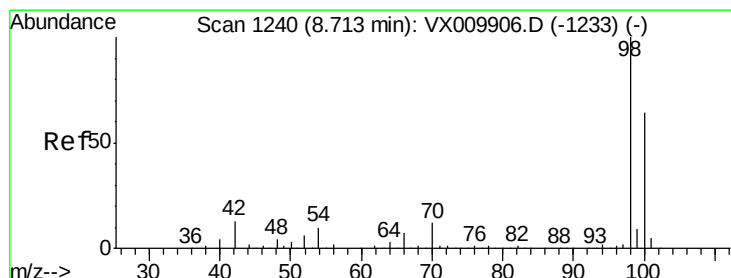
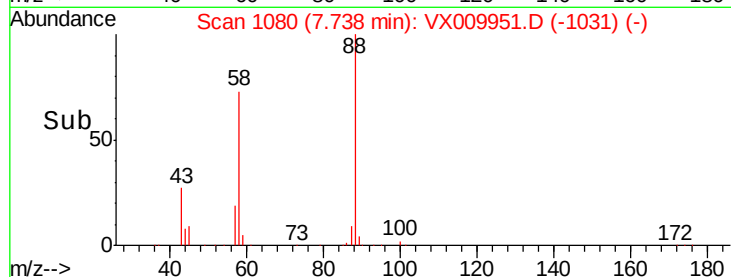
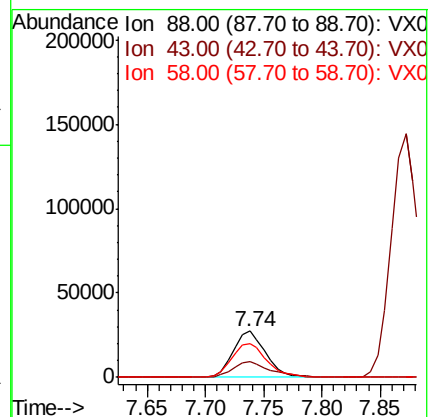
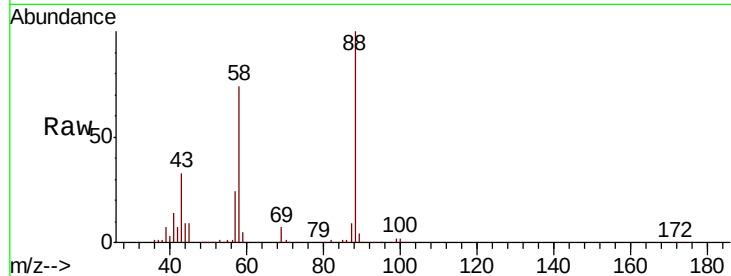
Tot Ion: 88 Resp: 53407

Ion Ratio Lower Upper

88 100

43 38.4 30.2 45.4

58 79.4 64.0 96.0



#50

Toluene-d8

Concen: 48.475 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009951.D

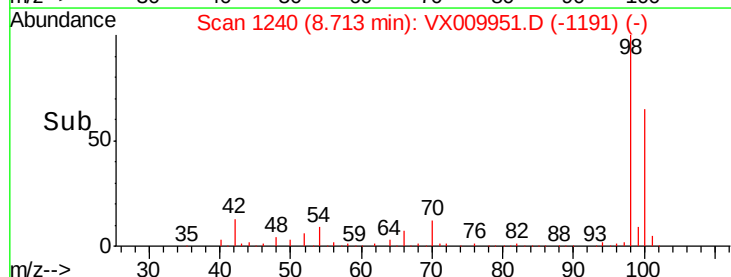
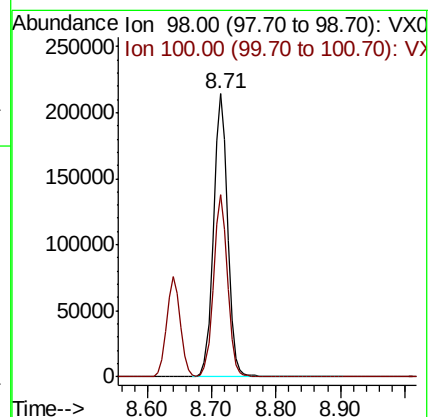
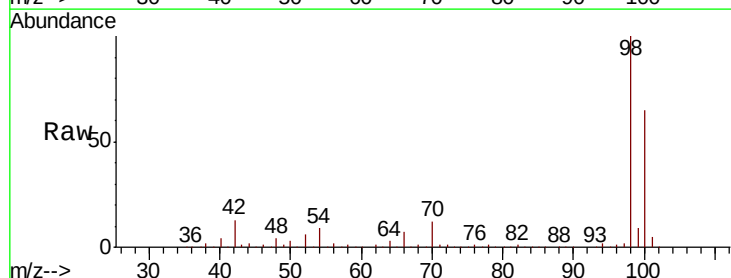
Acq: 30 May 2019 11:06

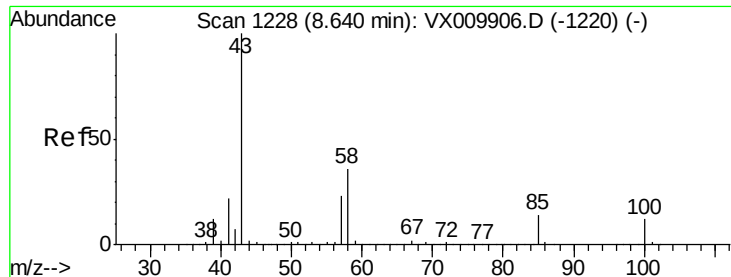
Tgt Ion: 98 Resp: 331358

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 236.535 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

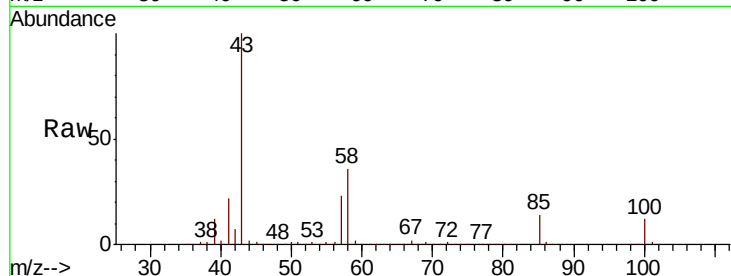
VSTDCCC050

Tot Ion: 43 Resp: 939777

Ion Ratio Lower Upper

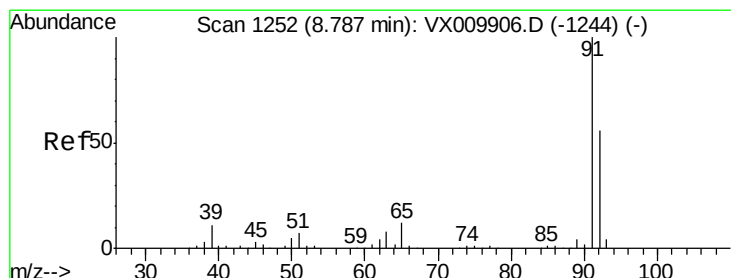
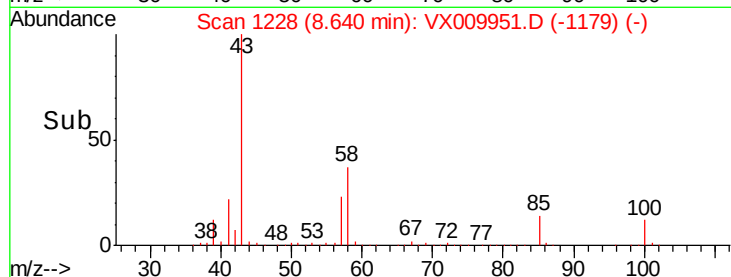
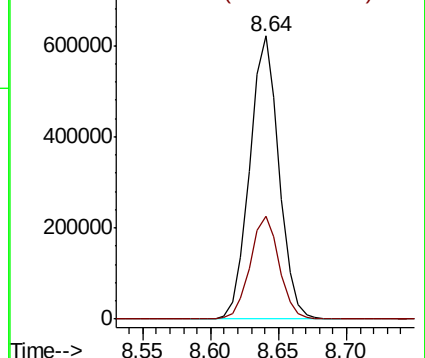
43 100

58 36.2 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.821 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009951.D

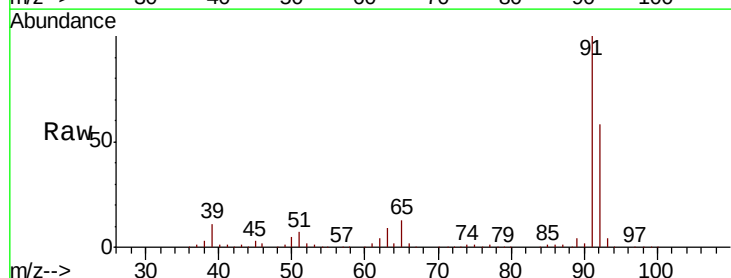
Acq: 30 May 2019 11:06

Tgt Ion: 92 Resp: 238877

Ion Ratio Lower Upper

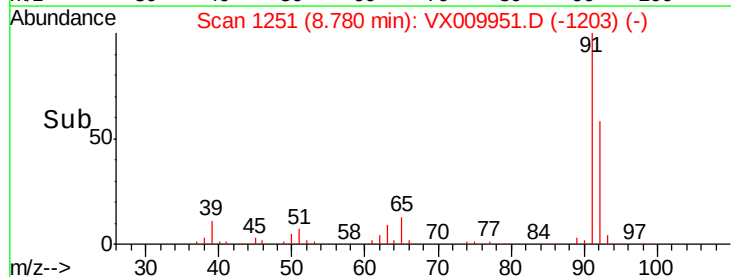
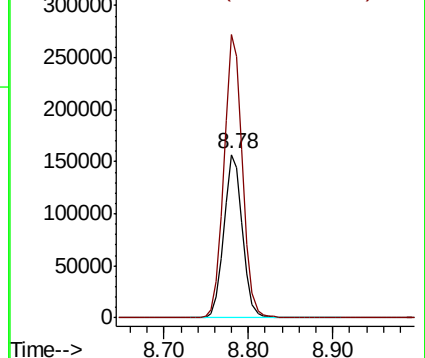
92 100

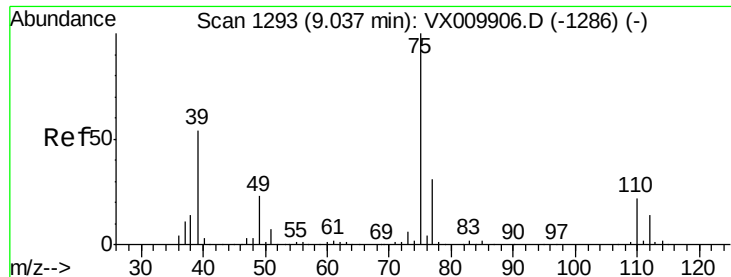
91 173.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 48.305 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

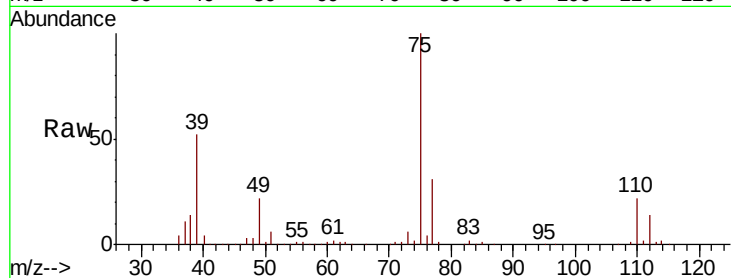
VSTDCCC050

Tot Ion: 75 Resp: 150430

Ion Ratio Lower Upper

75 100

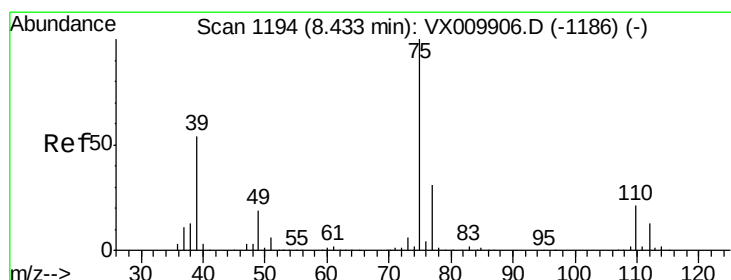
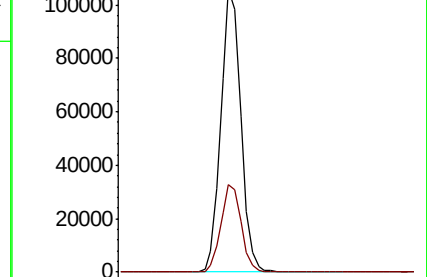
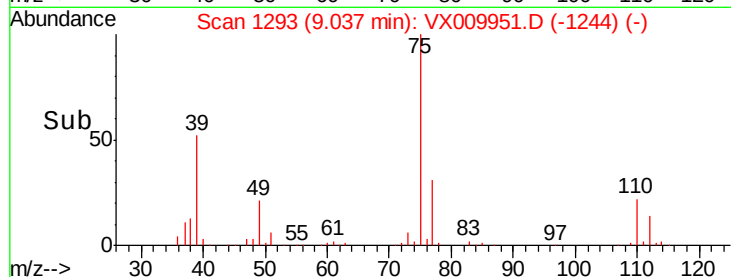
77 30.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04



#54

cis-1,3-Dichloropropene

Concen: 48.564 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

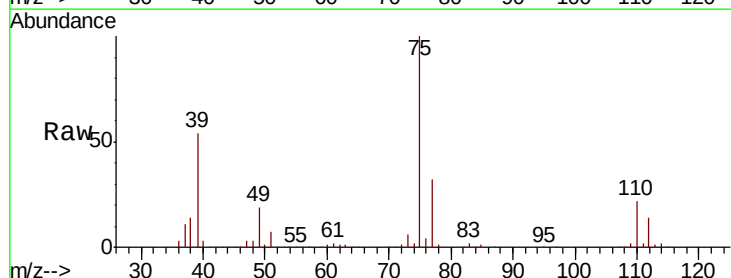
Tgt Ion: 75 Resp: 164781

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 53.8 43.4 65.0

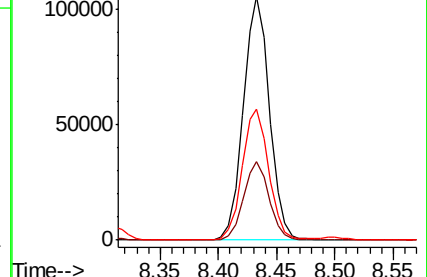
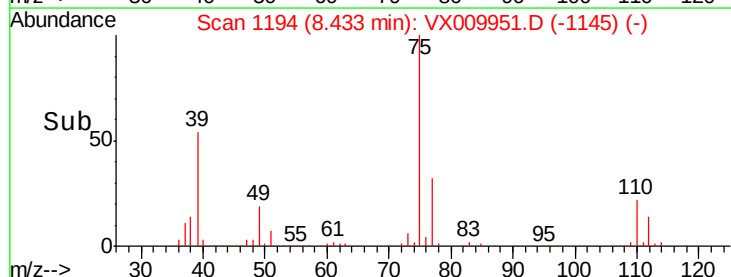


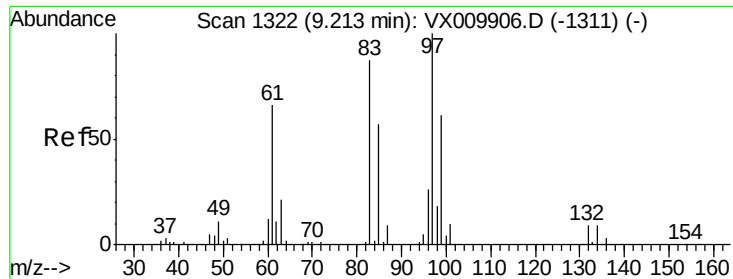
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43





#55

1,1,2-Trichloroethane

Concen: 48.470 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 95454

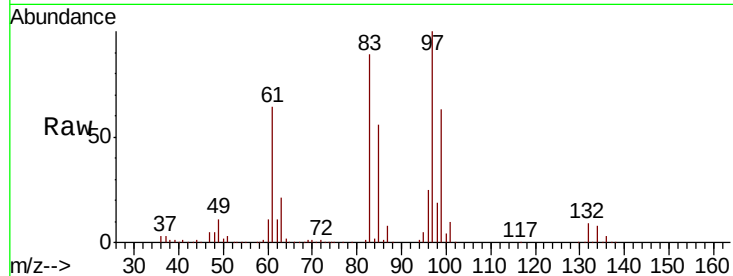
Ion Ratio Lower Upper

97 100

83 89.3 69.8 104.8

85 56.4 45.3 67.9

99 62.5 49.0 73.4

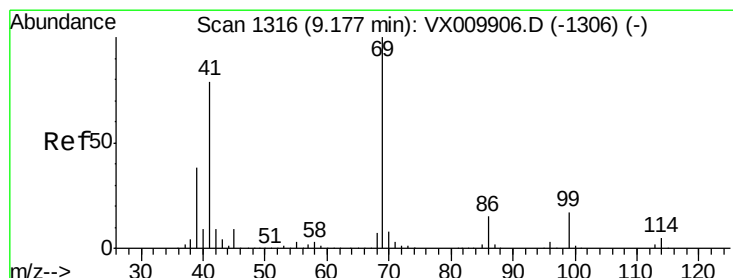
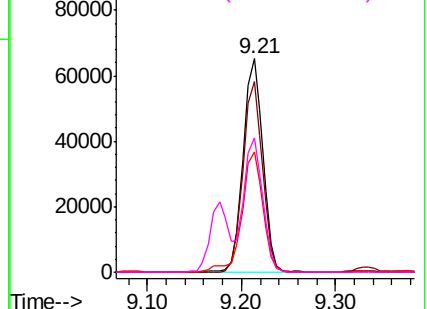
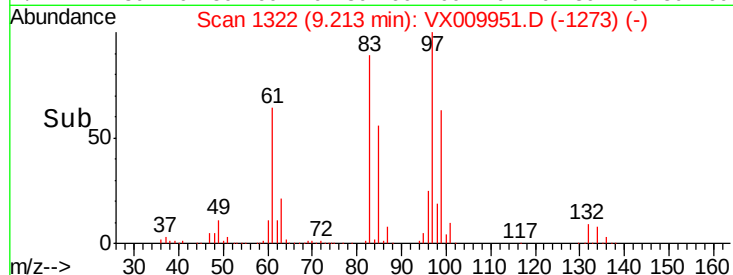


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 49.346 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

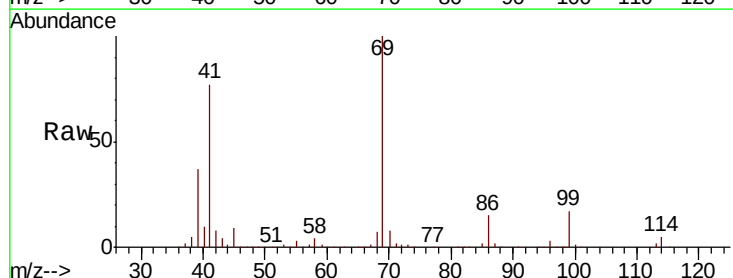
Tgt Ion: 69 Resp: 173007

Ion Ratio Lower Upper

69 100

41 78.1 62.7 94.1

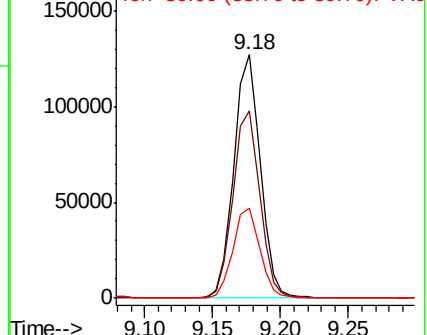
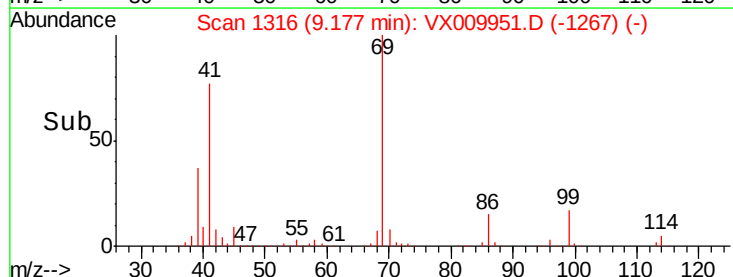
39 37.5 29.5 44.3

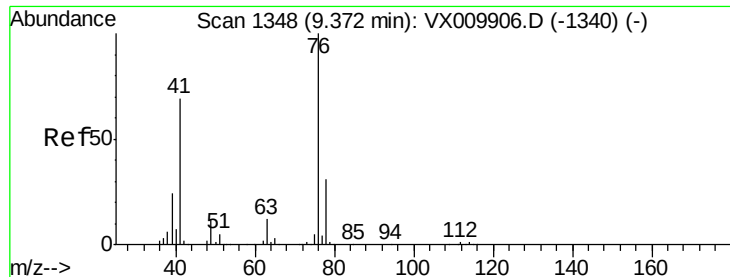


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

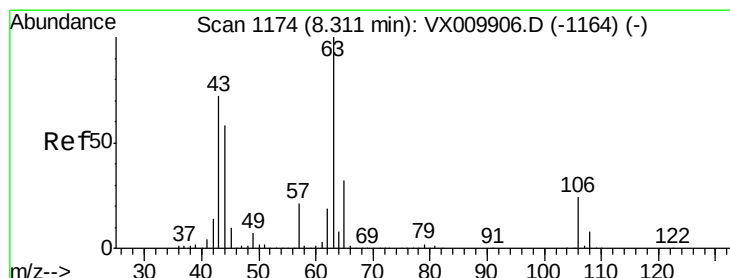
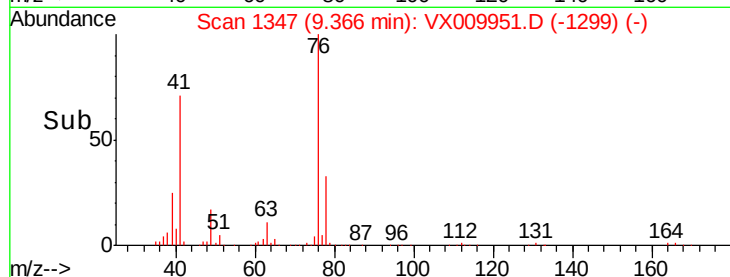
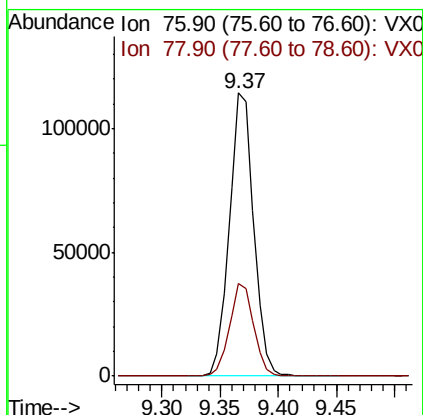
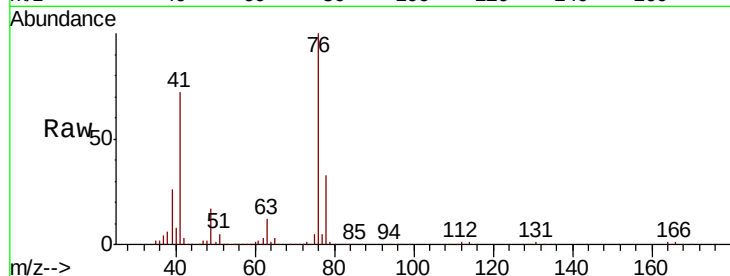




#57
 1,3-Dichloropropane
 Concen: 47.042 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

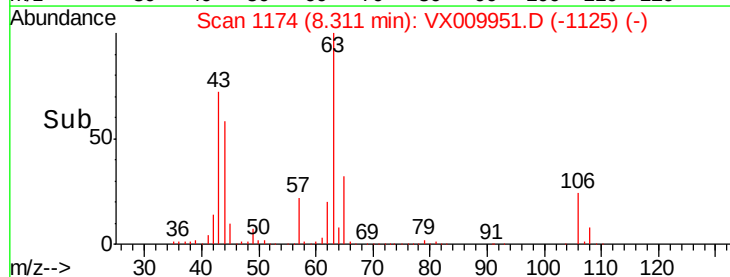
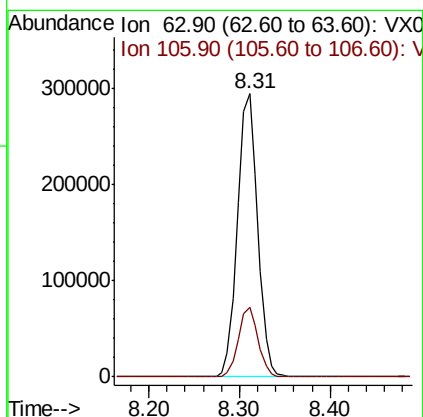
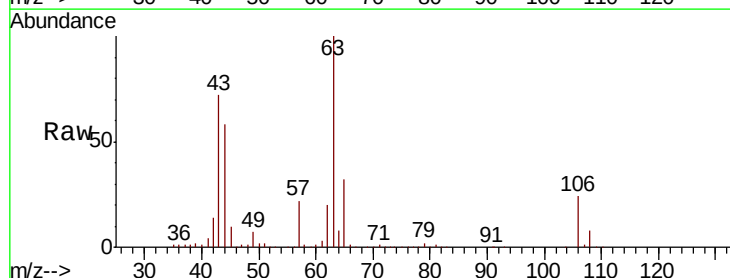
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

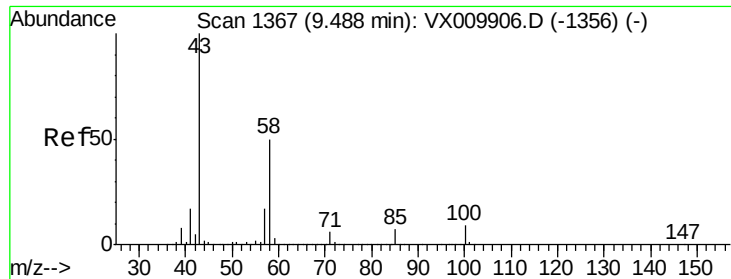
Tot Ion: 76 Resp: 166375
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.680 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Tgt Ion: 63 Resp: 455354
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.4 29.2

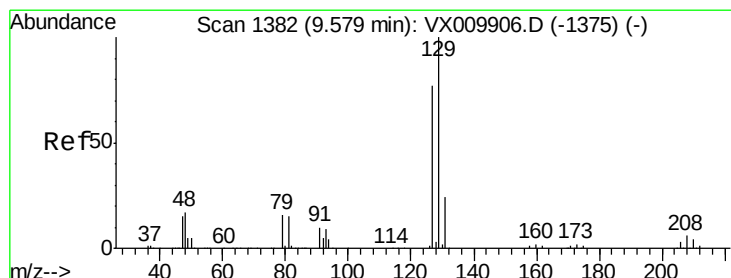
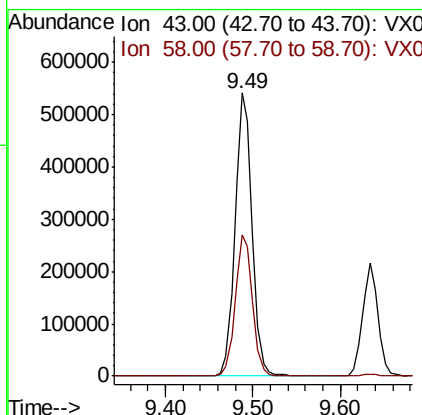
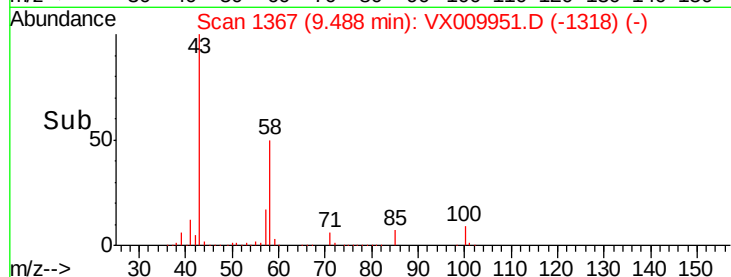
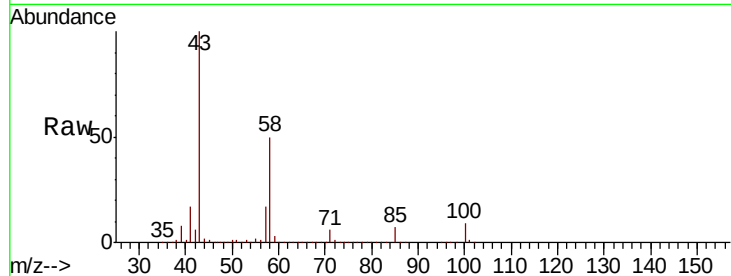




#59
2-Hexanone
Concen: 241.194 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

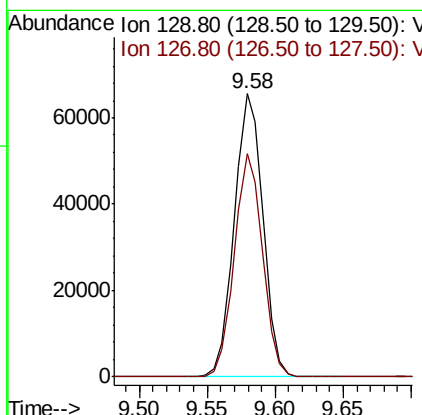
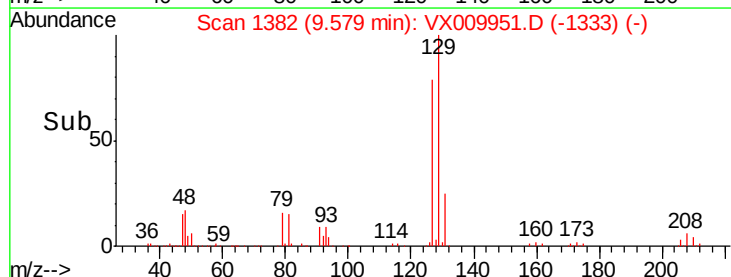
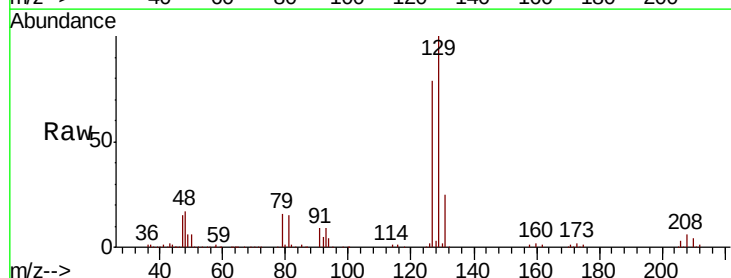
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

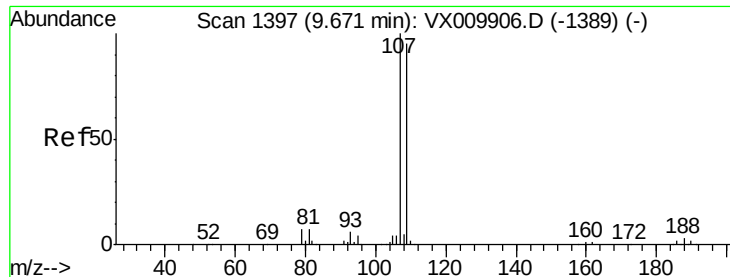
Tot Ion: 43 Resp: 737789
Ion Ratio Lower Upper
43 100
58 50.5 25.1 75.3



#60
Dibromochloromethane
Concen: 49.638 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion: 129 Resp: 96159
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.268 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

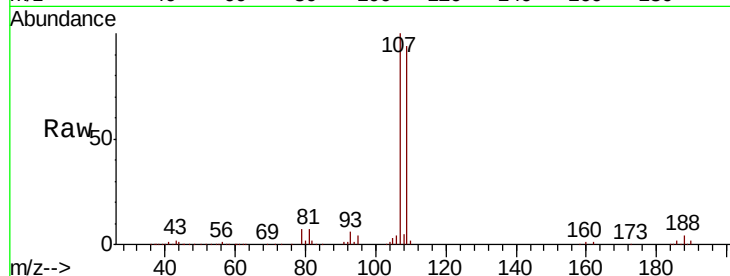
VSTDCCC050

Tot Ion:107 Resp: 97655

Ion Ratio Lower Upper

107 100

109 93.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

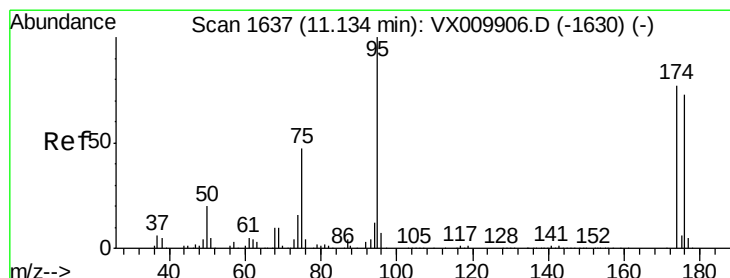
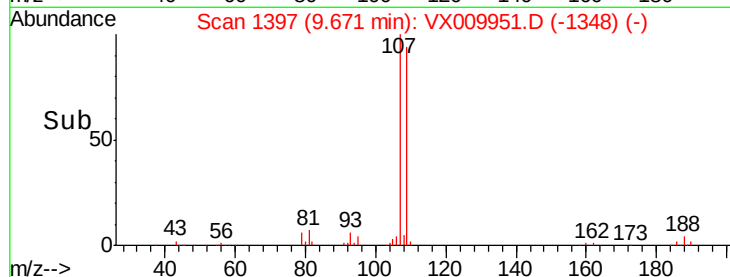
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 49.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

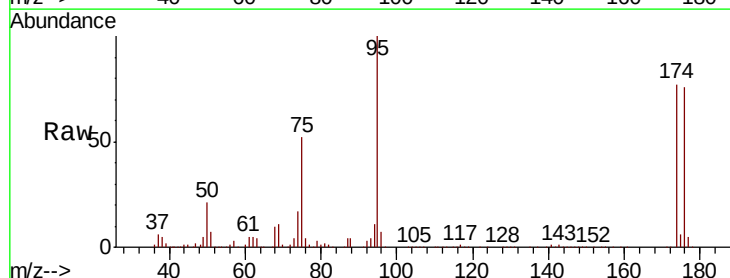
Tgt Ion: 95 Resp: 120315

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.4

176 80.6 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

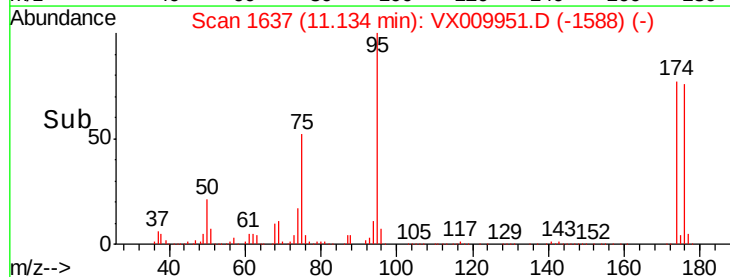
40000

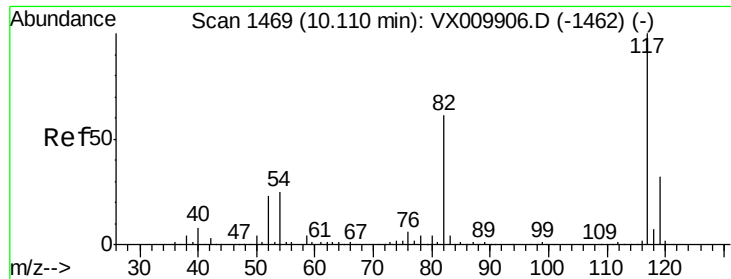
20000

0

Time-->

11.10 11.20

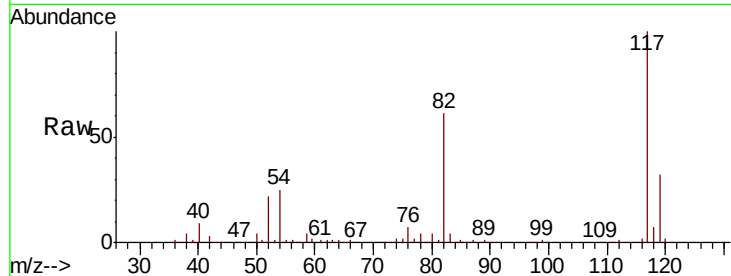




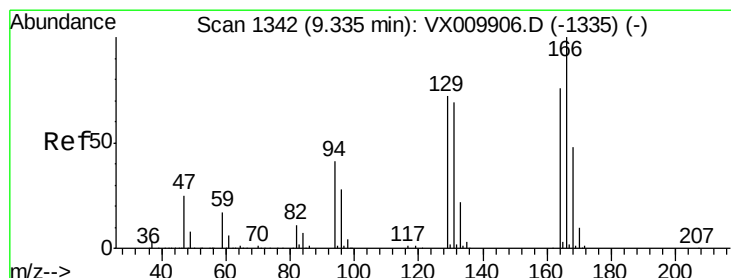
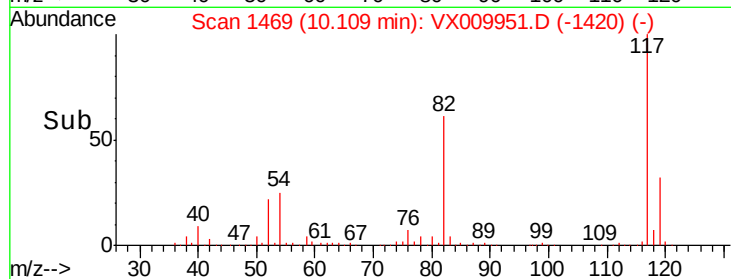
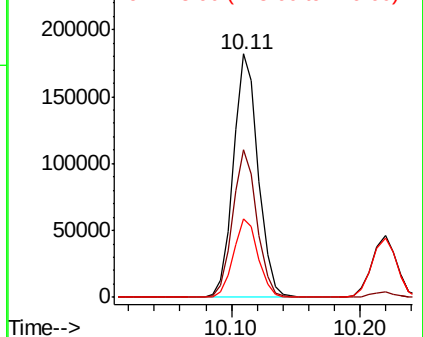
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 243028
Ion Ratio Lower Upper
117 100
82 60.8 49.2 73.8
119 32.2 25.2 37.8



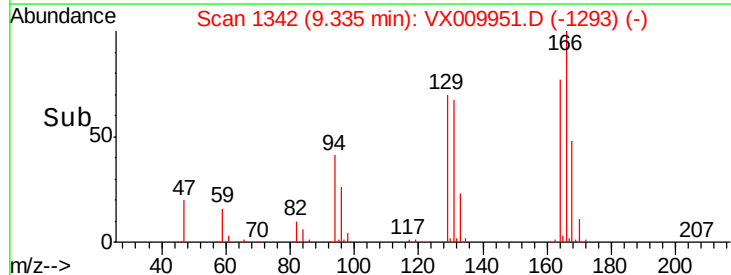
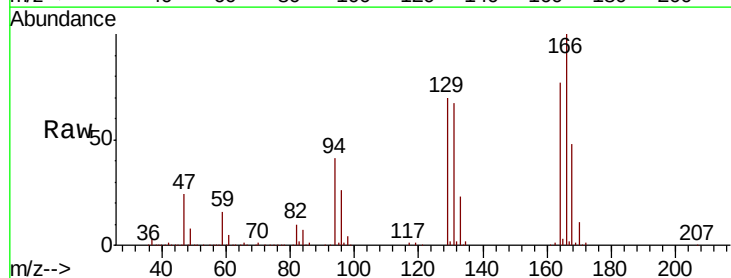
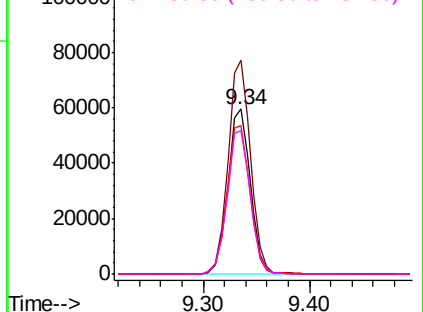
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

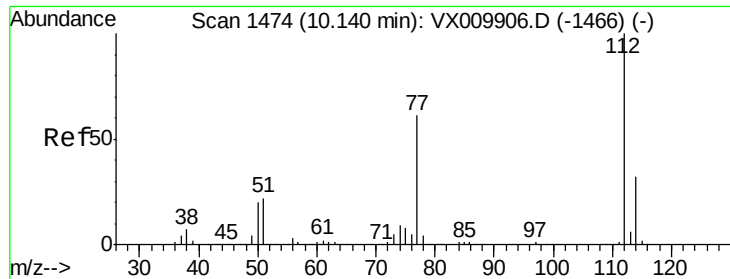


#64
Tetrachloroethene
Concen: 52.047 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion:164 Resp: 88352
Ion Ratio Lower Upper
164 100
166 129.4 105.0 157.4
129 90.1 75.1 112.7
131 87.2 72.2 108.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

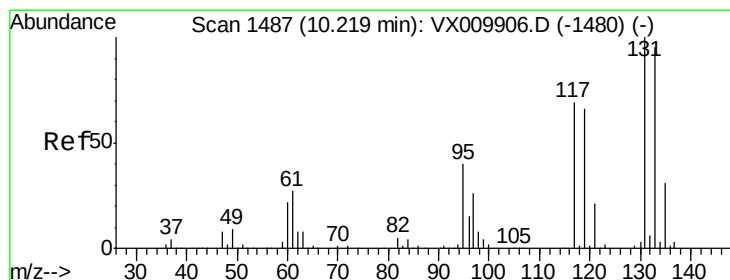
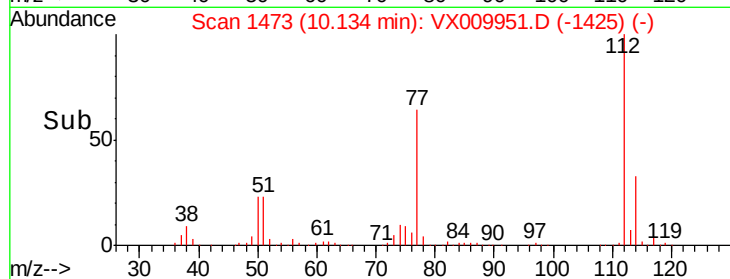
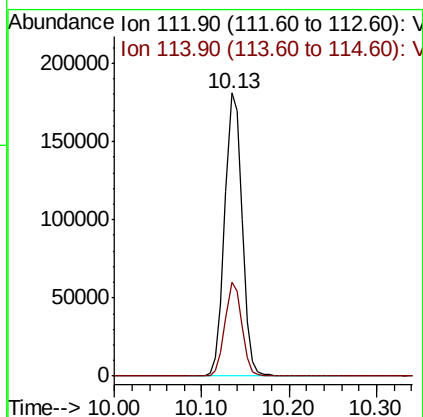
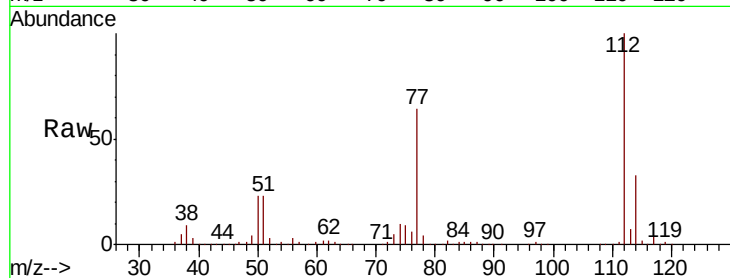




#65
Chlorobenzene
Concen: 48.856 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

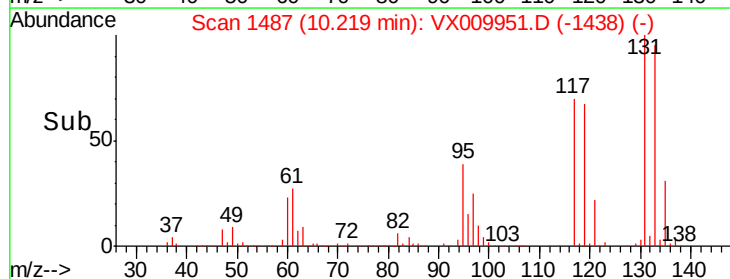
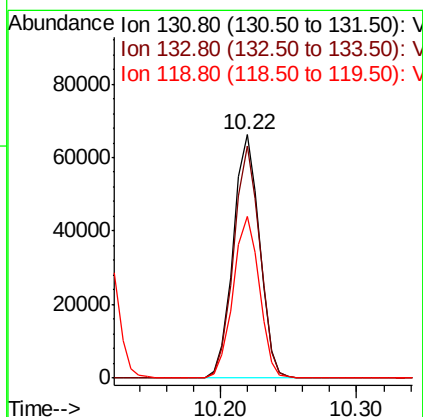
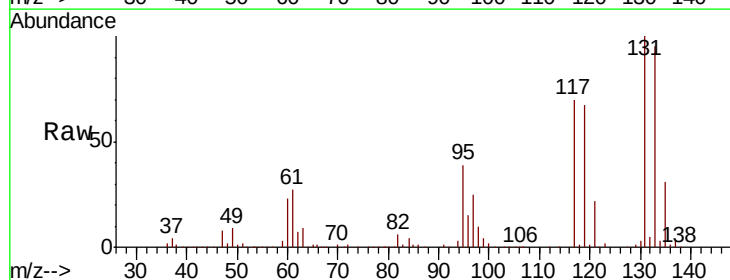
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

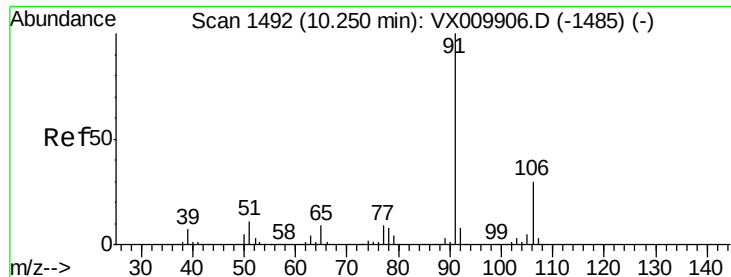
Tot Ion:112 Resp: 248570
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.619 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion:131 Resp: 89325
Ion Ratio Lower Upper
131 100
133 94.5 47.5 142.6
119 66.3 33.4 100.1

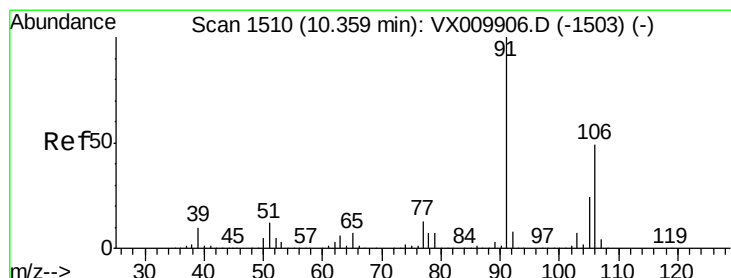
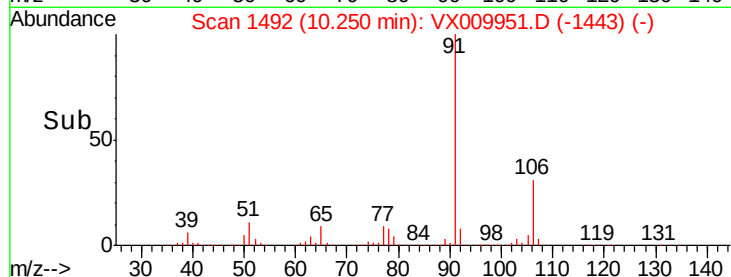
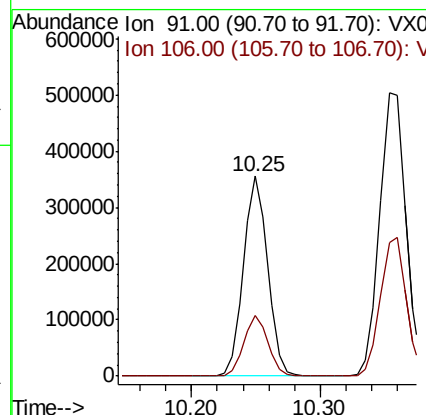
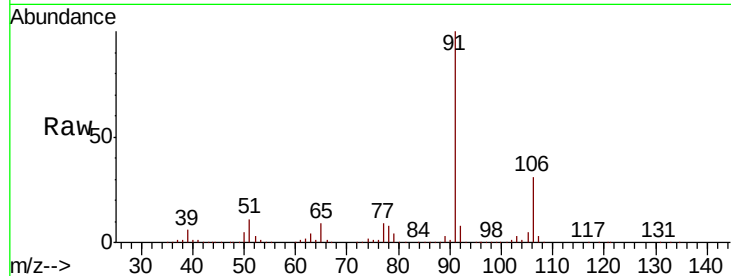




#67
Ethyl Benzene
Concen: 50.520 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

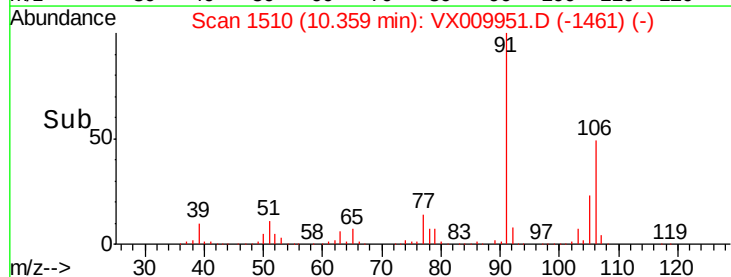
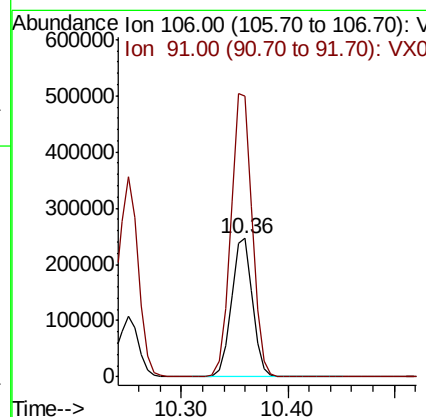
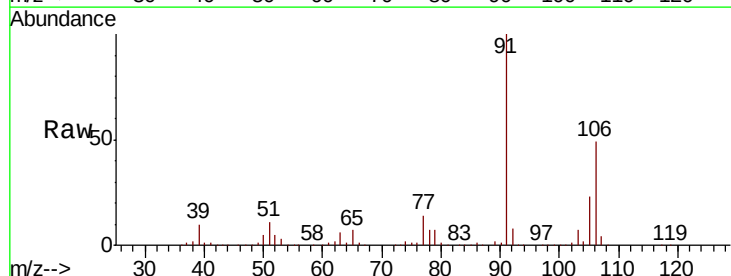
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

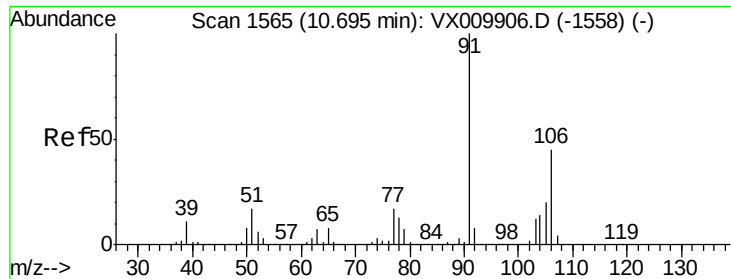
Tot Ion: 91 Resp: 461510
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9



#68
m/p-Xylenes
Concen: 101.074 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion: 106 Resp: 341113
Ion Ratio Lower Upper
106 100
91 207.1 167.3 250.9

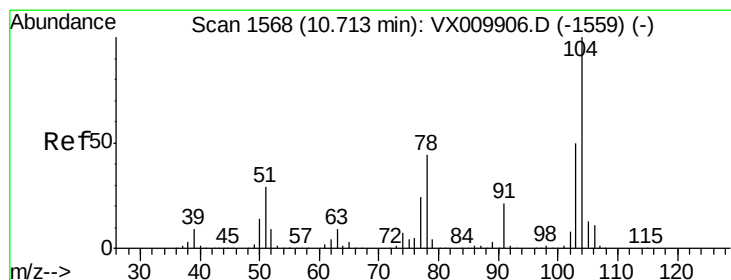
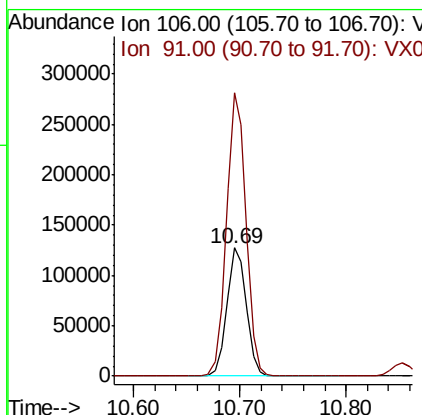
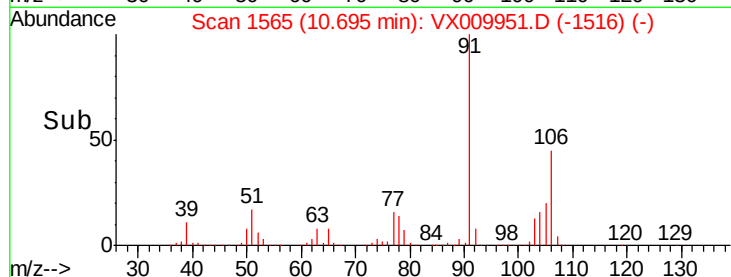
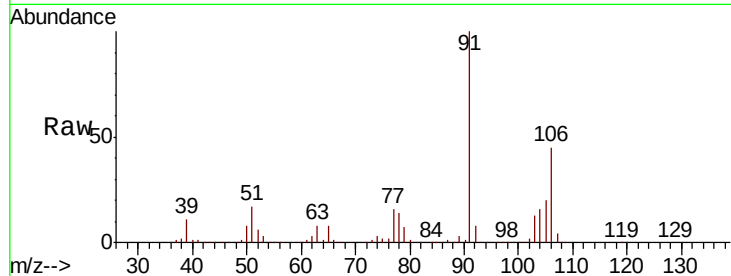




#69
o-Xylene
Concen: 50.389 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

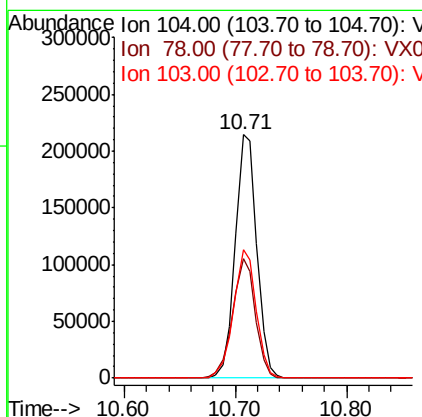
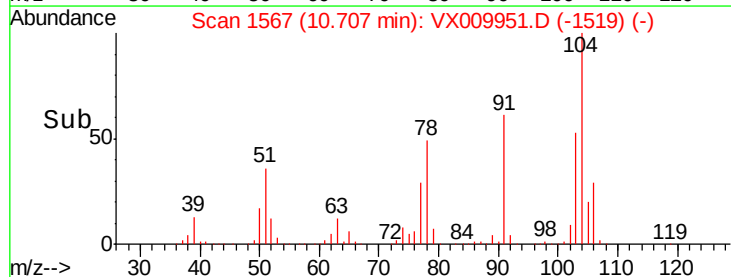
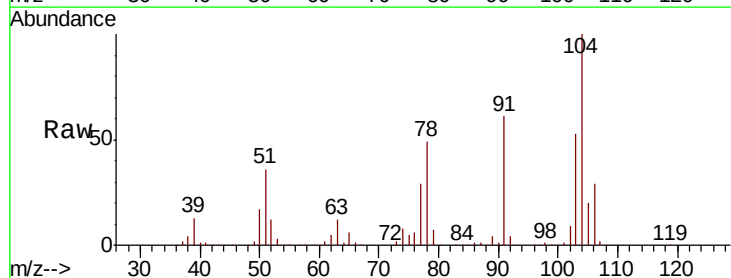
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

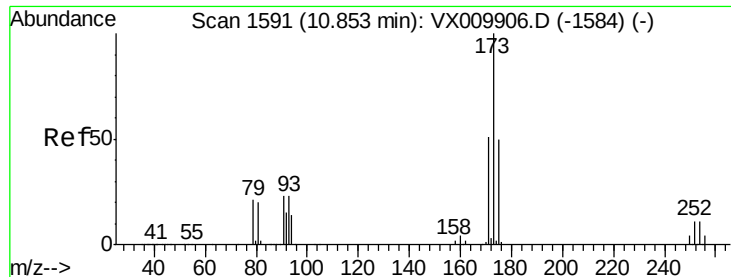
Tot Ion:106 Resp: 163091
Ion Ratio Lower Upper
106 100
91 220.6 110.4 331.2



#70
Styrene
Concen: 50.636 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion:104 Resp: 287384
Ion Ratio Lower Upper
104 100
78 52.2 42.1 63.1
103 55.5 44.1 66.1





#71

Bromoform

Concen: 52.100 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

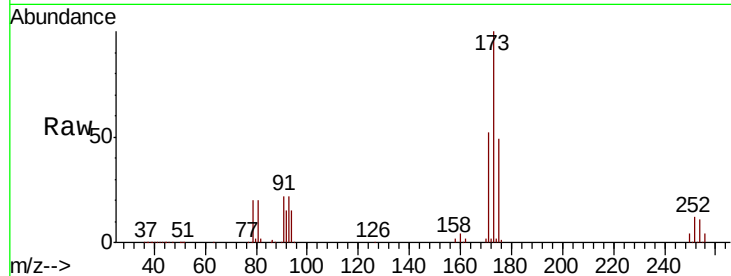
Tot Ion:173 Resp: 75152

Ion Ratio Lower Upper

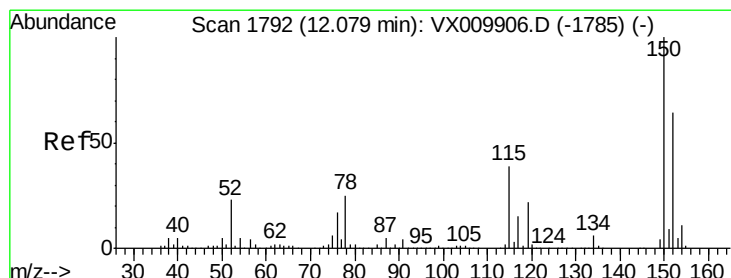
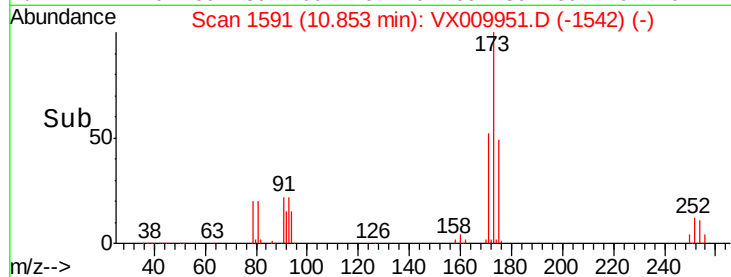
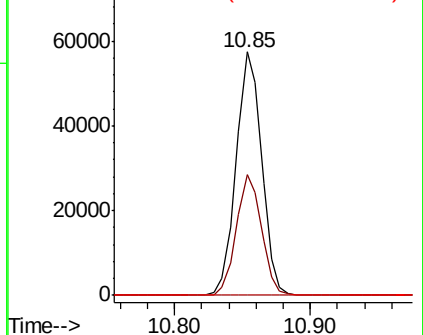
173 100

175 48.7 25.0 75.0

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

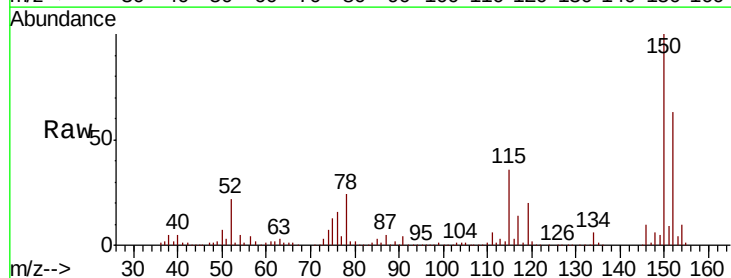
Tgt Ion:152 Resp: 122420

Ion Ratio Lower Upper

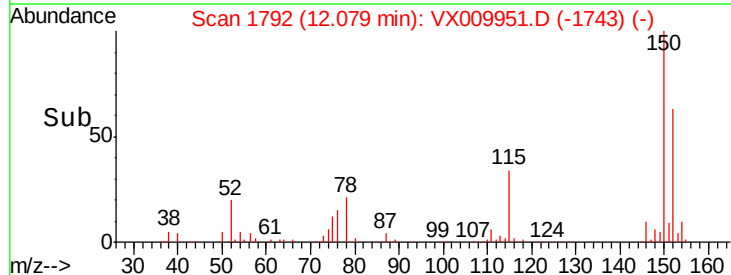
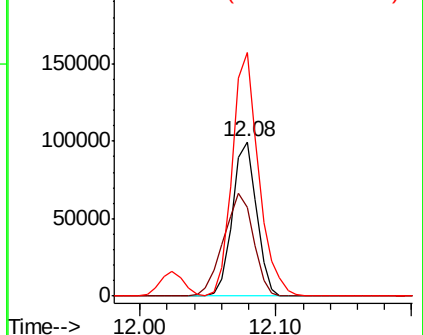
152 100

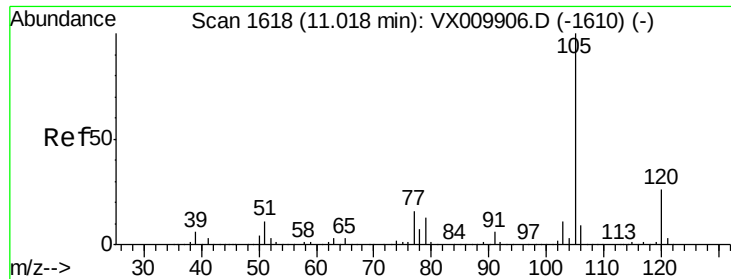
115 82.6 41.4 124.2

150 173.1 0.0 345.2



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





#73

Isopropylbenzene

Concen: 48.738 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

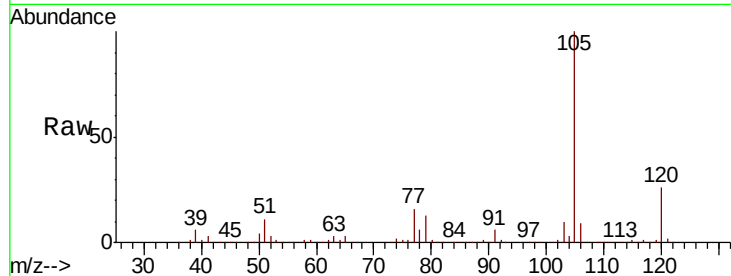
VSTDCCC050

Tot Ion:105 Resp: 440226

Ion Ratio Lower Upper

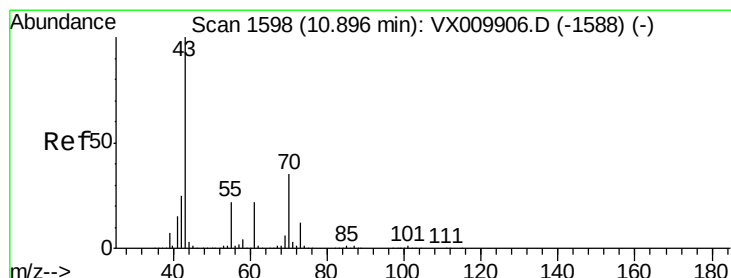
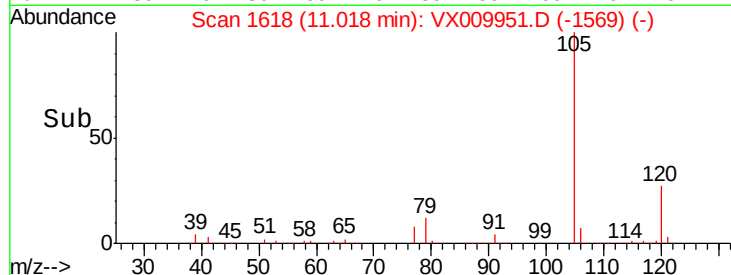
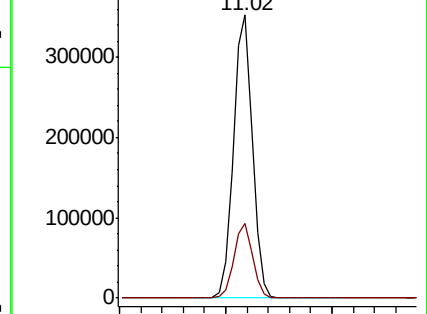
105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.005 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Tgt Ion: 43 Resp: 253701

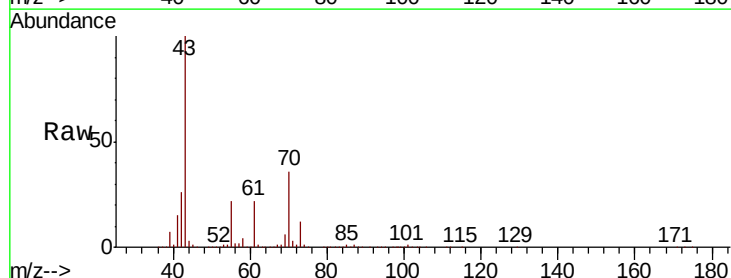
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 22.4 17.8 26.8

61 21.6 17.7 26.5

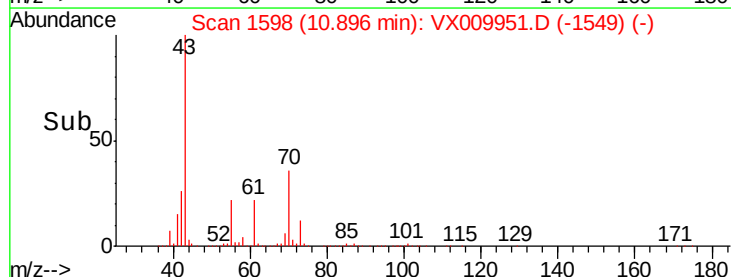
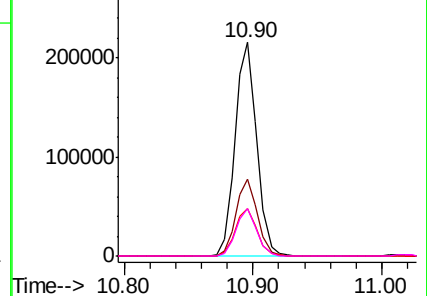


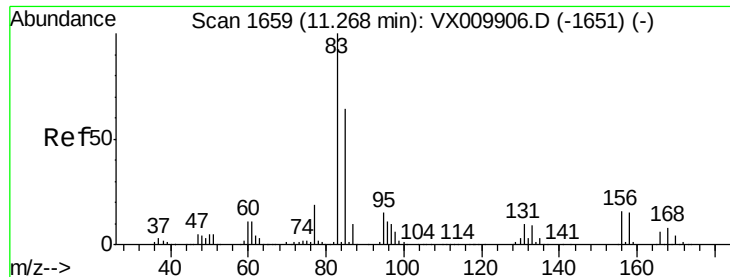
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.872 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

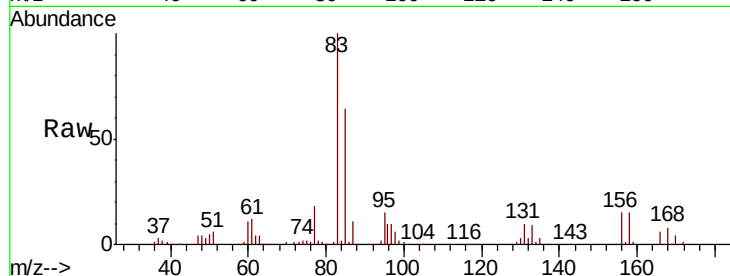
Tot Ion: 83 Resp: 154578

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

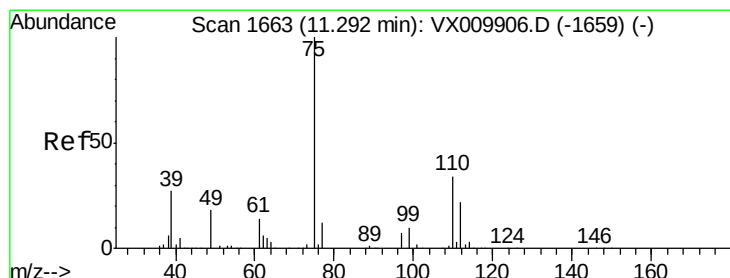
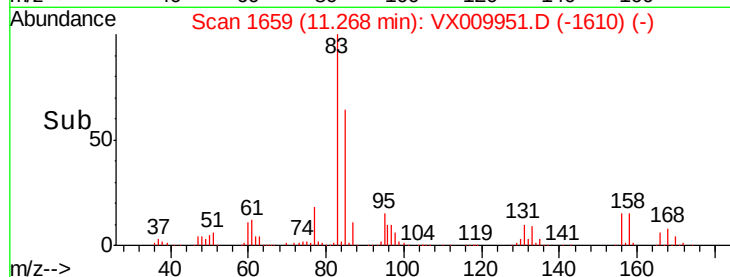
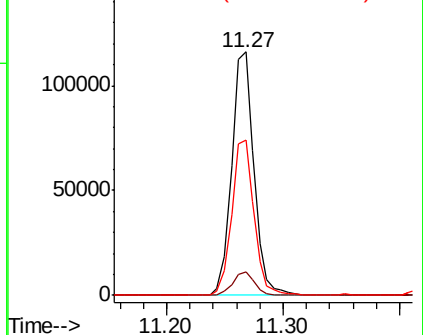
85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 63.454 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009951.D

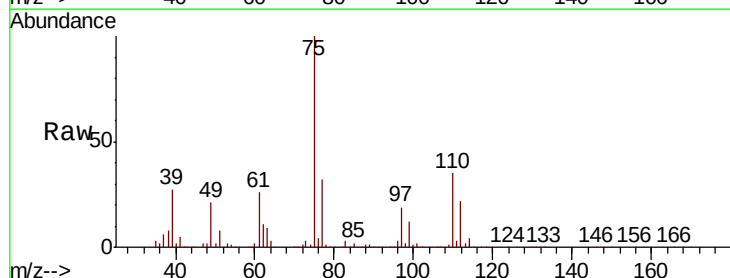
Acq: 30 May 2019 11:06

Tgt Ion: 75 Resp: 185759

Ion Ratio Lower Upper

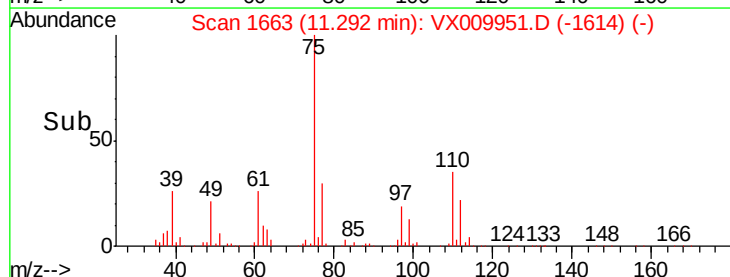
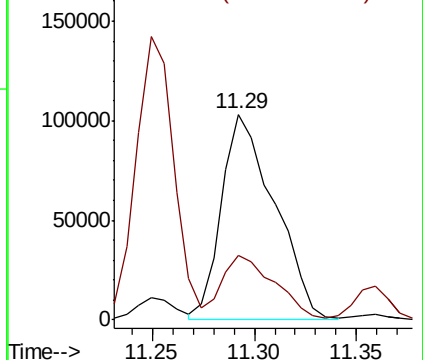
75 100

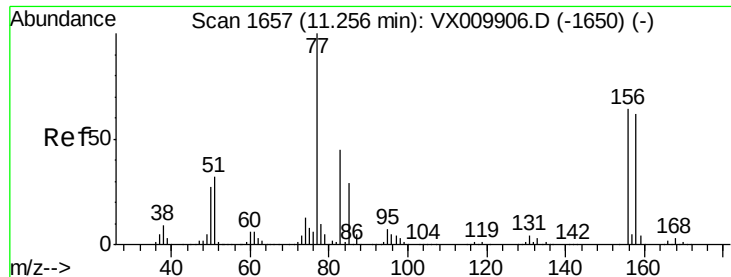
77 31.3 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.808 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

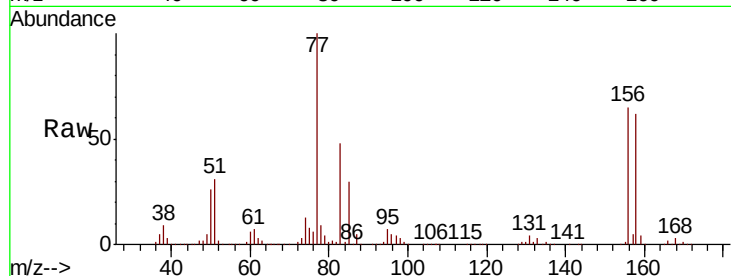
Tot Ion:156 Resp: 110048

Ion Ratio Lower Upper

156 100

77 167.2 86.8 260.3

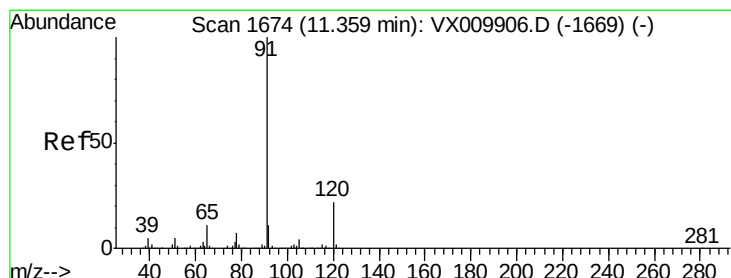
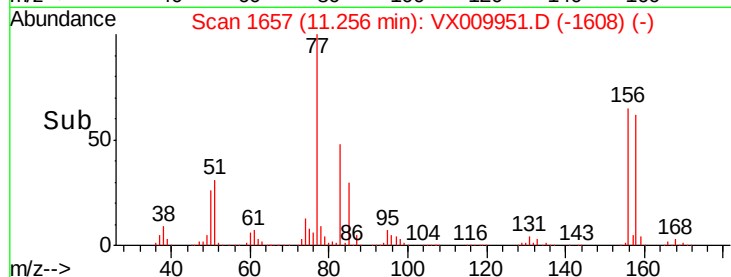
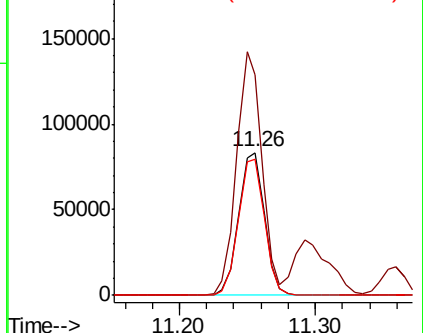
158 96.6 49.6 148.8



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: 50.005 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009951.D

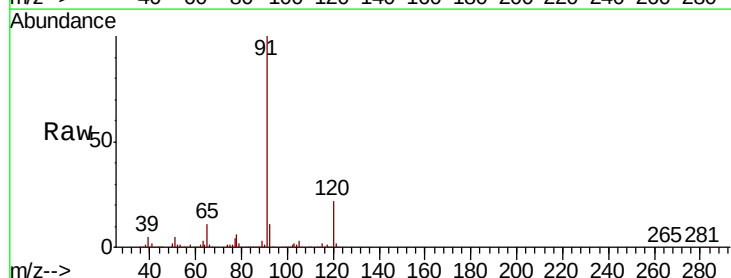
Acq: 30 May 2019 11:06

Tgt Ion: 91 Resp: 520618

Ion Ratio Lower Upper

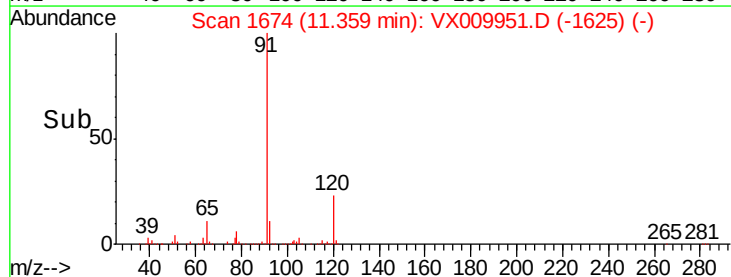
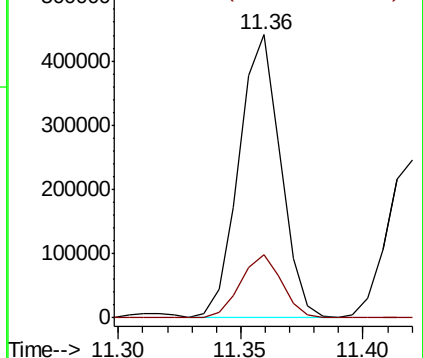
91 100

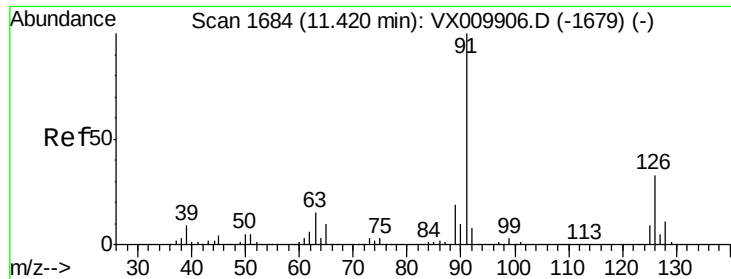
120 22.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.900 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

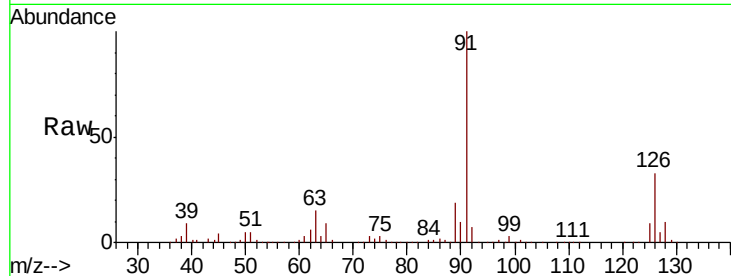
VSTDCCC050

Tot Ion: 91 Resp: 304691

Ion Ratio Lower Upper

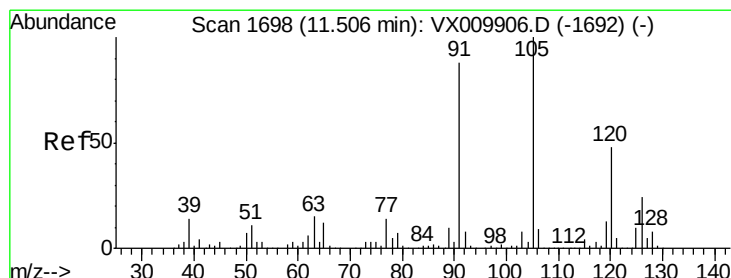
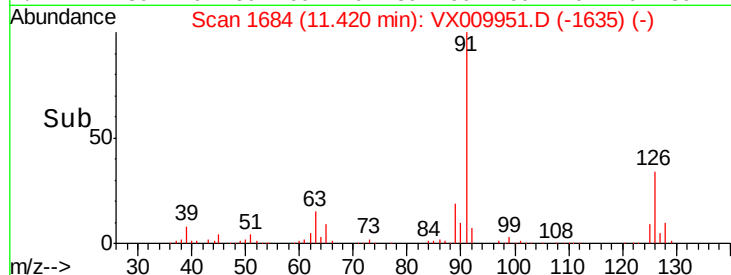
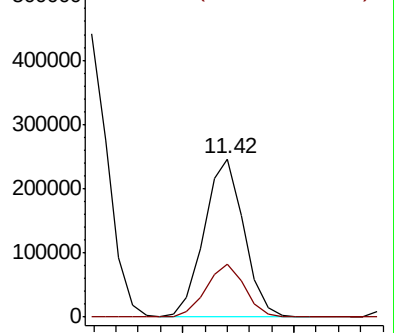
91 100

126 33.0 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.375 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009951.D

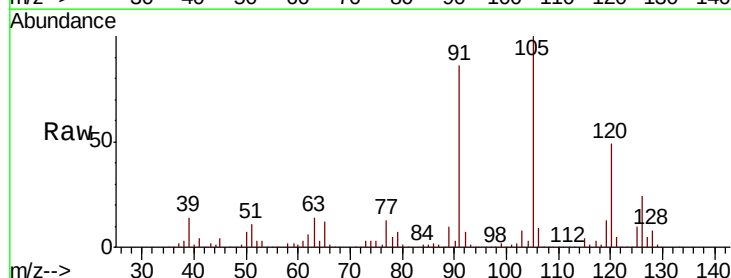
Acq: 30 May 2019 11:06

Tgt Ion:105 Resp: 375719

Ion Ratio Lower Upper

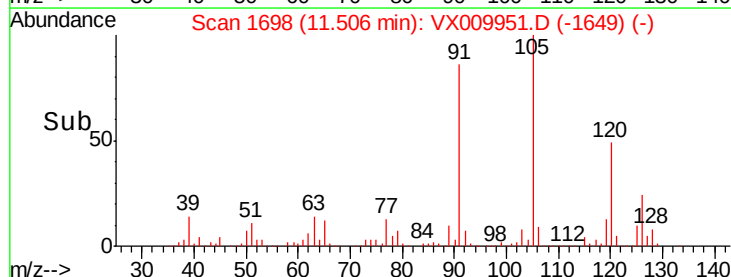
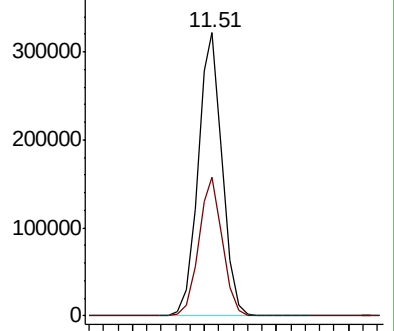
105 100

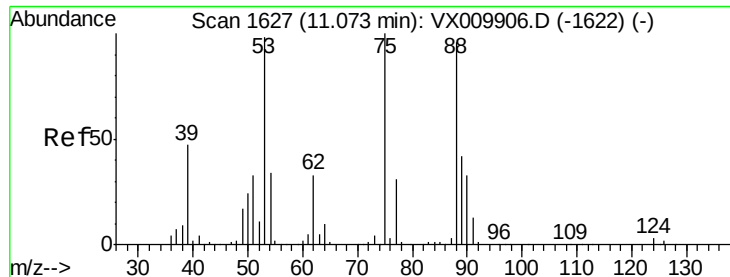
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.752 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

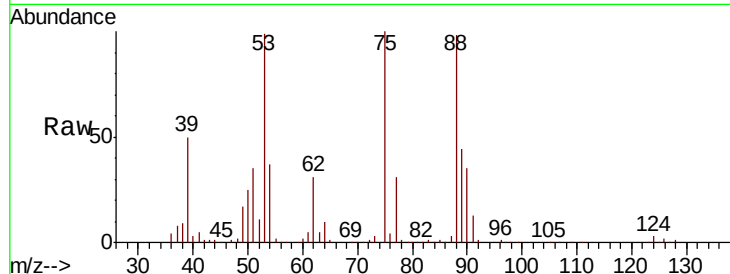
Tot Ion: 75 Resp: 54134

Ion Ratio Lower Upper

75 100

53 101.7 79.8 119.6

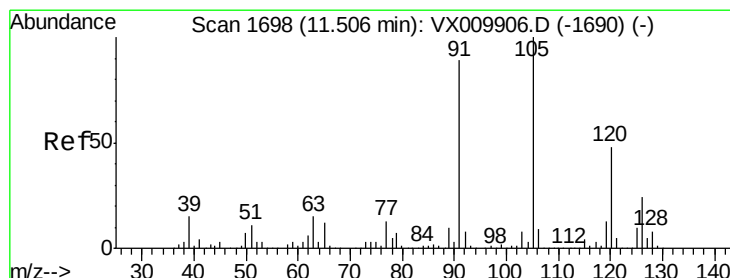
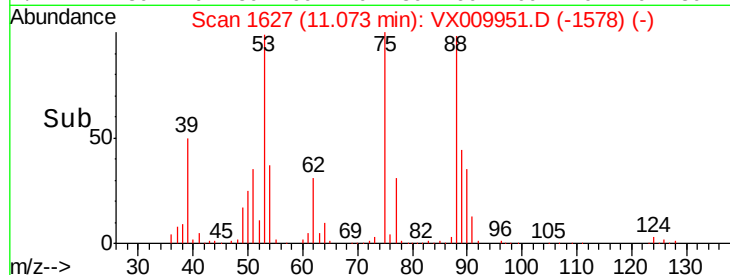
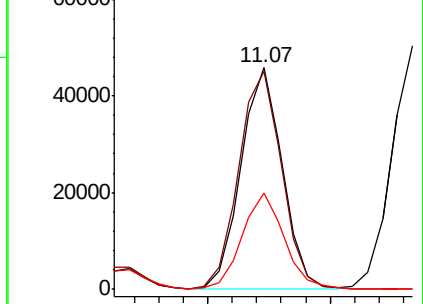
89 44.3 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 47.827 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009951.D

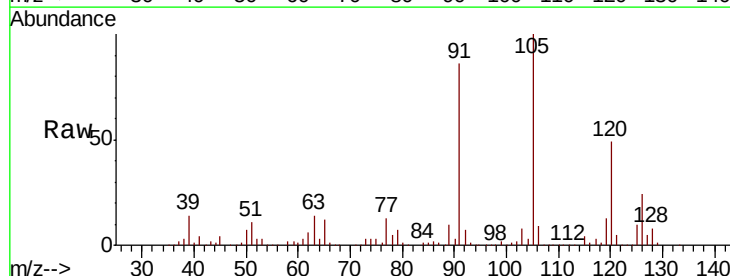
Acq: 30 May 2019 11:06

Tgt Ion: 91 Resp: 354156

Ion Ratio Lower Upper

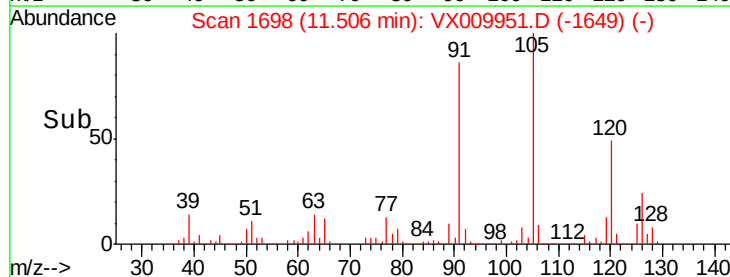
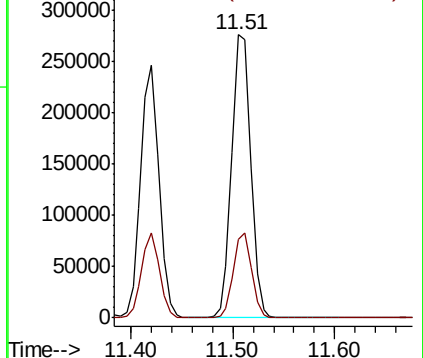
91 100

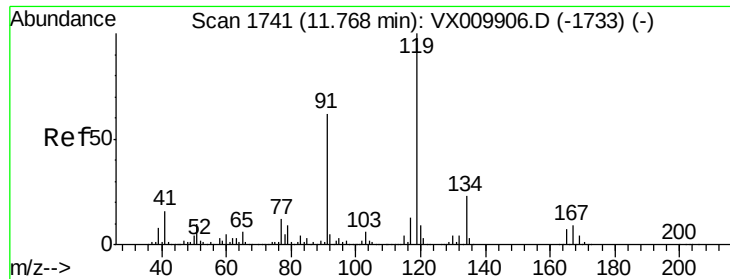
126 28.7 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

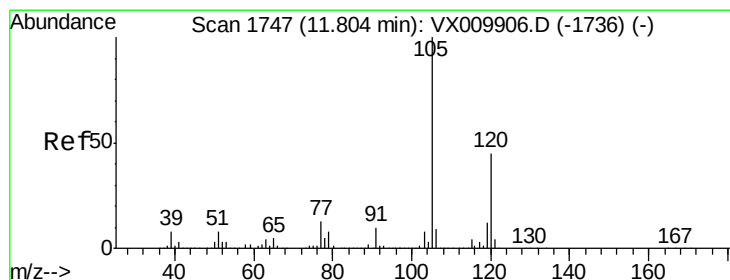
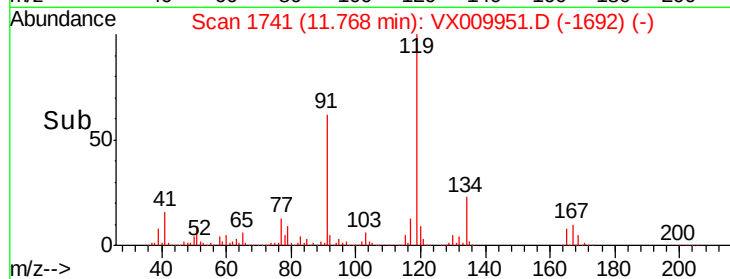
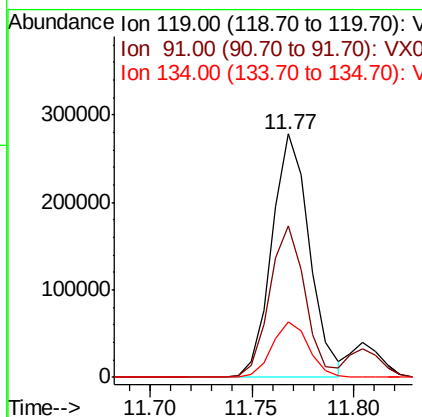
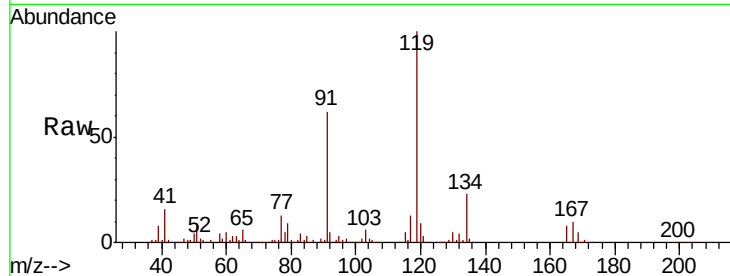




#83
 tert-Butylbenzene
 Concen: 49.248 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

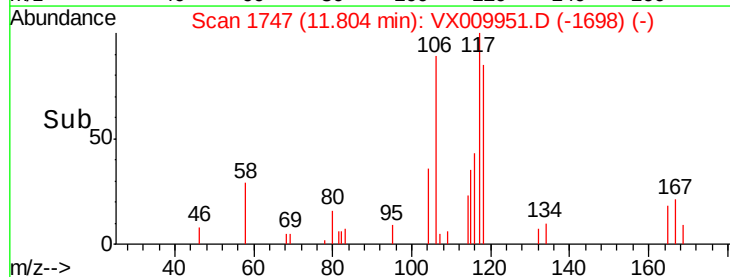
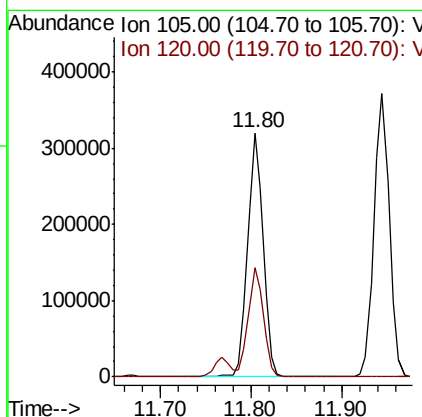
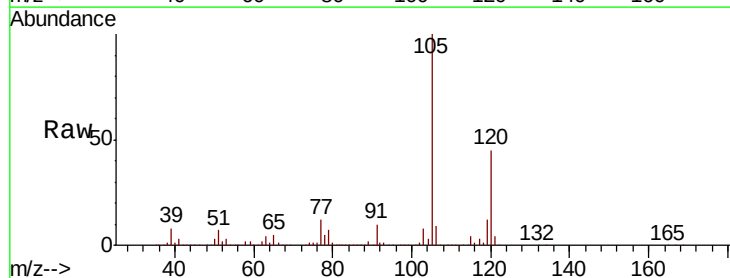
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

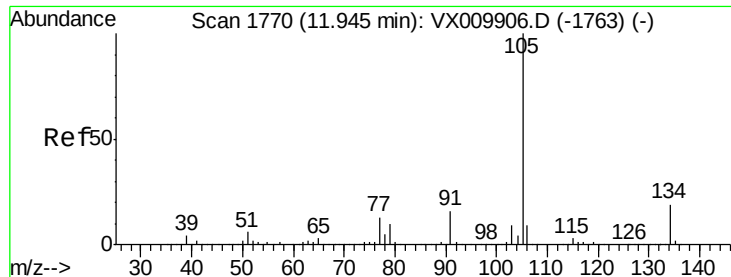
Tot Ion:119 Resp: 358526
 Ion Ratio Lower Upper
 119 100
 91 59.4 30.0 90.0
 134 22.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 49.278 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Tgt Ion:105 Resp: 380811
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 50.274 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

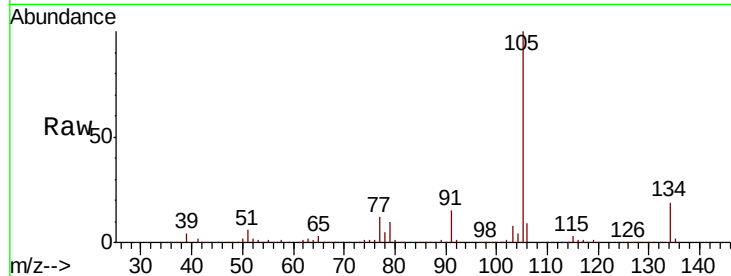
VSTDCCC050

Tot Ion:105 Resp: 435419

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

300000

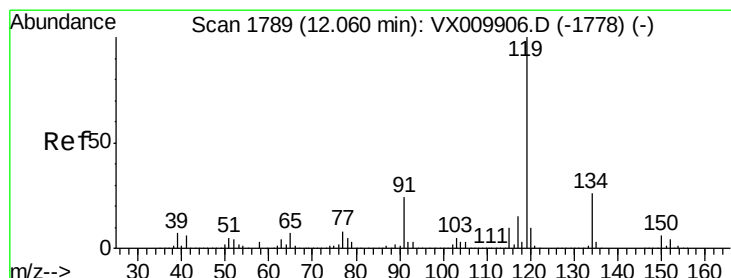
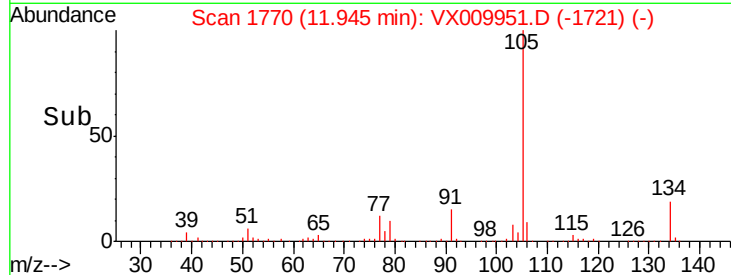
200000

100000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 51.650 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

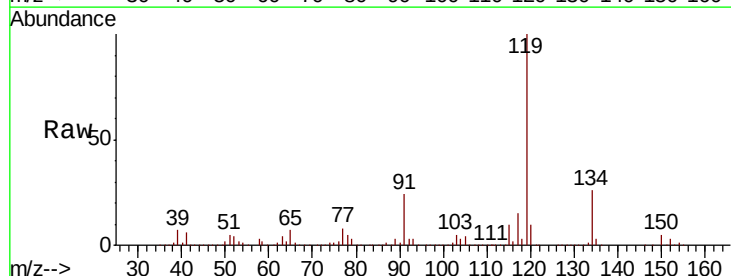
Tgt Ion:119 Resp: 402365

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 24.0 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

400000

300000

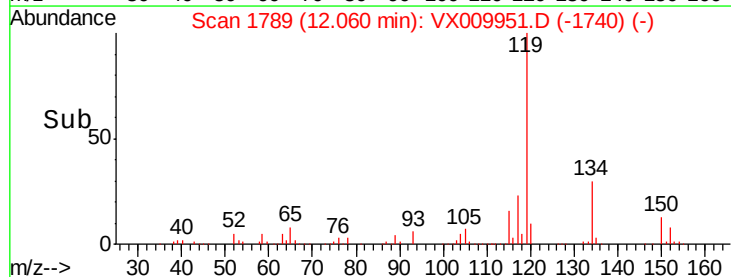
200000

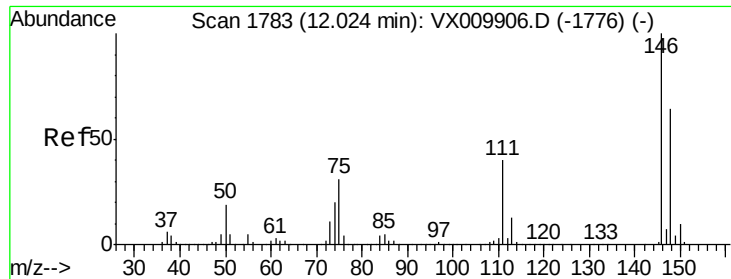
100000

0

12.00 12.10 12.20

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.521 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

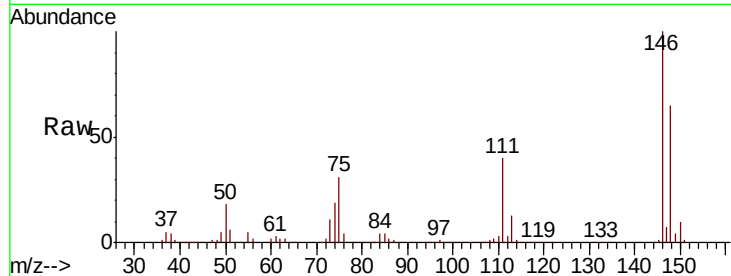
Tot Ion:146 Resp: 194746

Ion Ratio Lower Upper

146 100

111 40.7 20.1 60.2

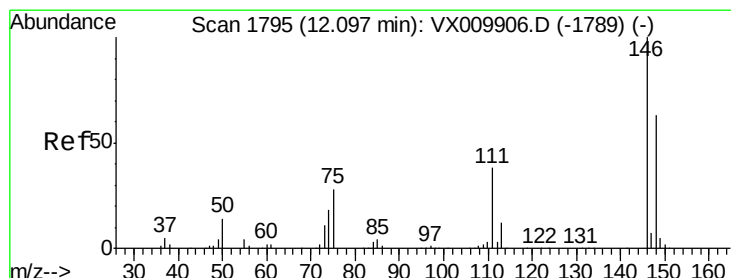
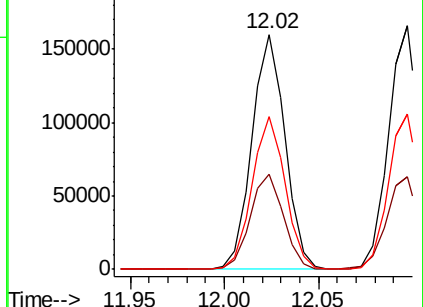
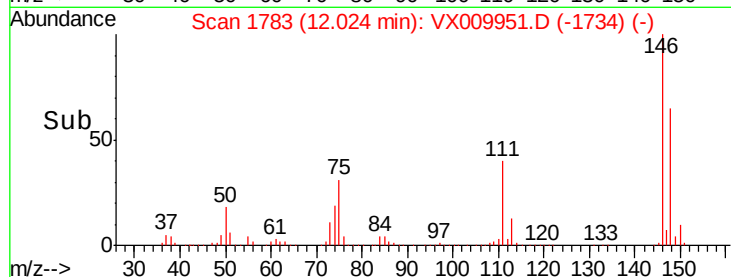
148 64.8 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.255 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

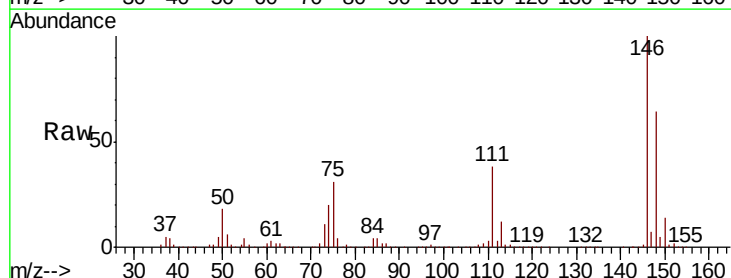
Tgt Ion:146 Resp: 197498

Ion Ratio Lower Upper

146 100

111 39.2 20.0 59.9

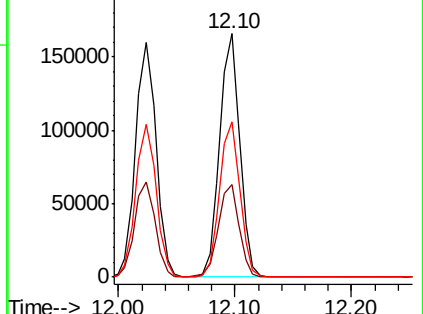
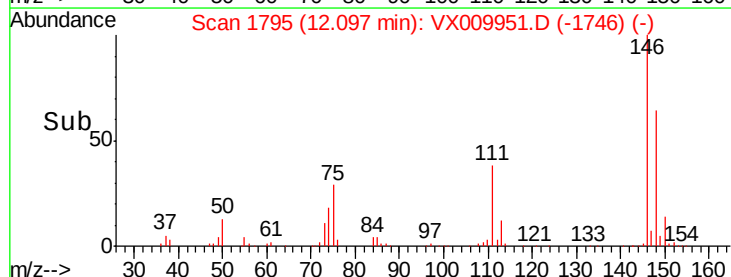
148 64.3 32.3 96.9

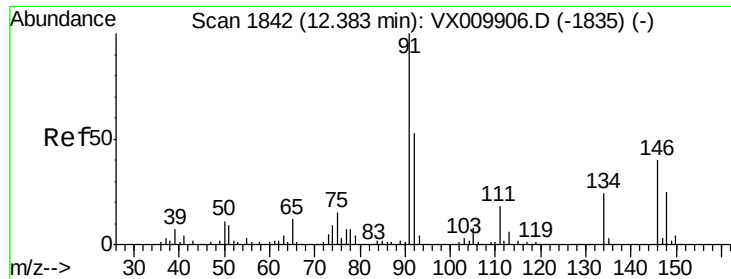


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.269 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009951.D

Acq: 30 May 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

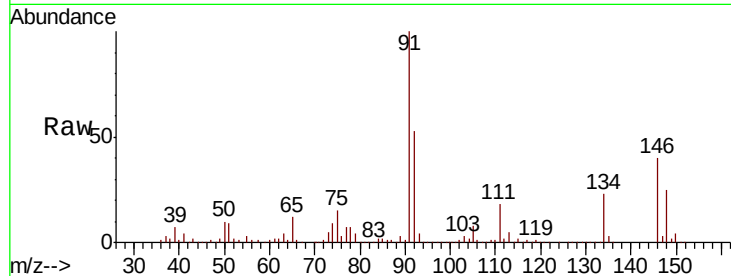
Tot Ion: 91 Resp: 375344

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.8

134 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX009906.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX009906.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX009906.D (-1835) (-)

12.38

300000

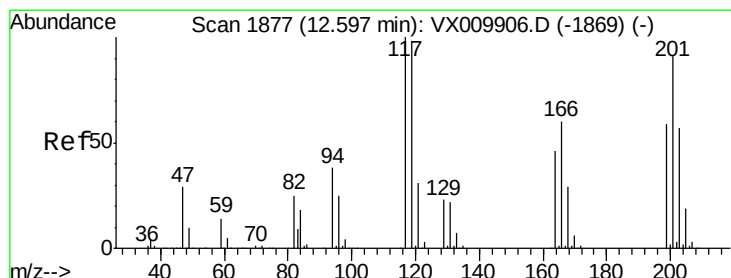
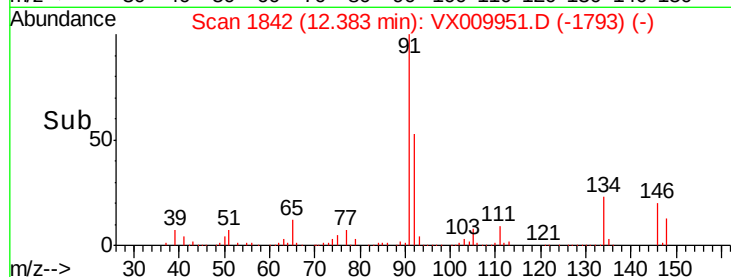
200000

100000

0

12.30 12.40 12.50

Time-->



#90

Hexachloroethane

Concen: 50.436 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009951.D

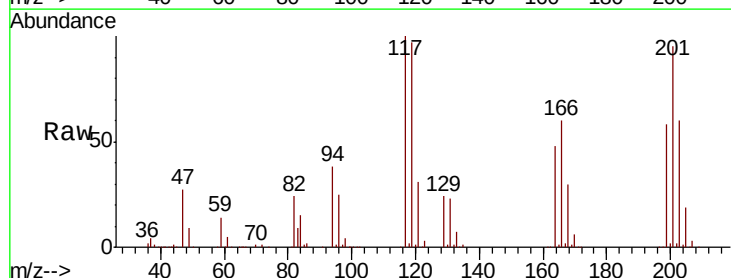
Acq: 30 May 2019 11:06

Tgt Ion: 117 Resp: 67428

Ion Ratio Lower Upper

117 100

201 89.0 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VX009906.D (-1869) (-)

Ion 200.70 (200.40 to 201.40): VX009906.D (-1869) (-)

60000

50000

40000

30000

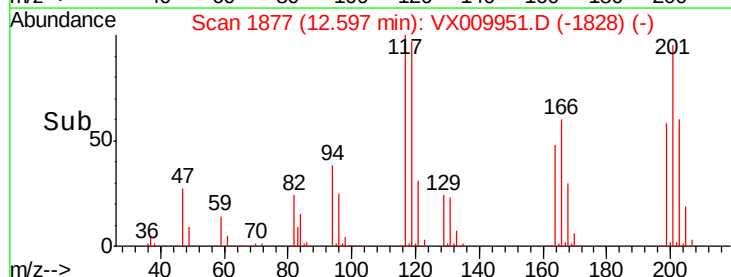
20000

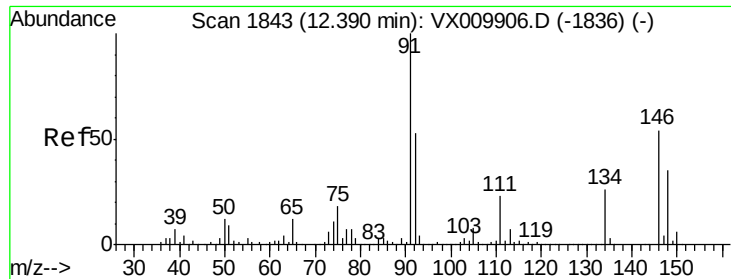
10000

0

12.55 12.60 12.65

Time-->

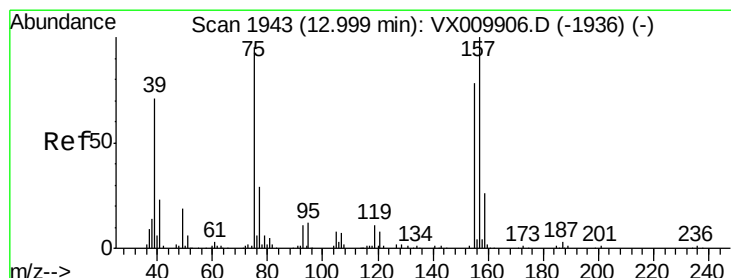
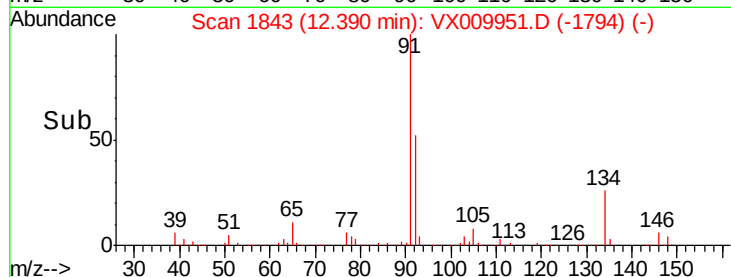
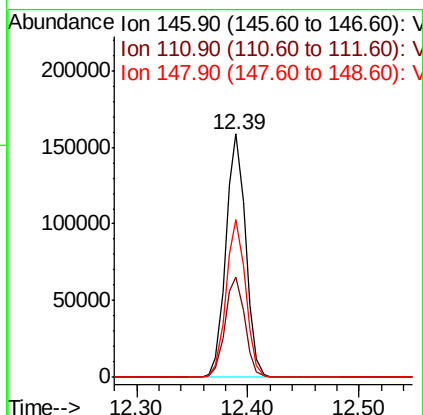
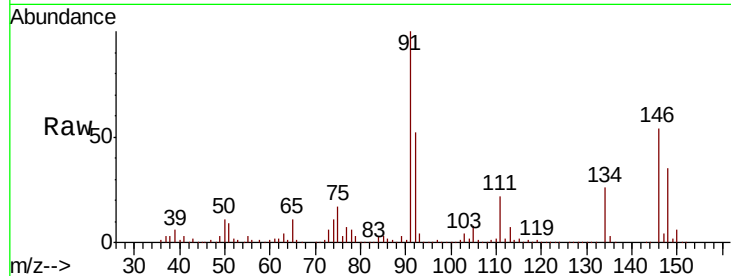




#91
 1,2-Dichlorobenzene
 Concen: 48.112 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

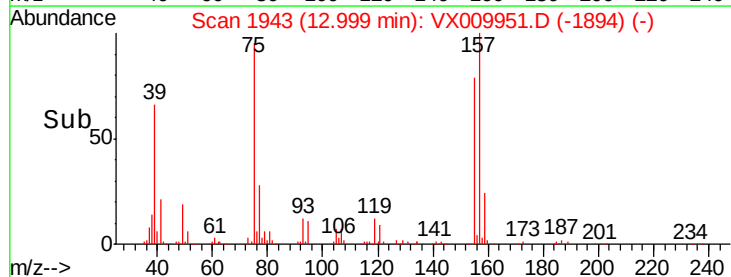
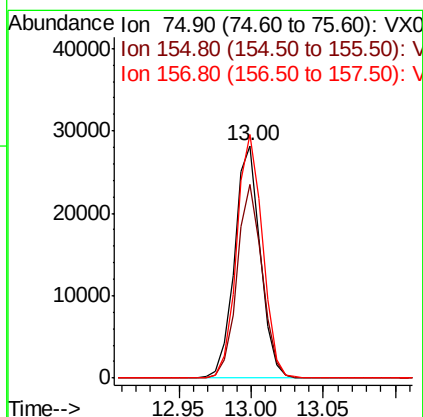
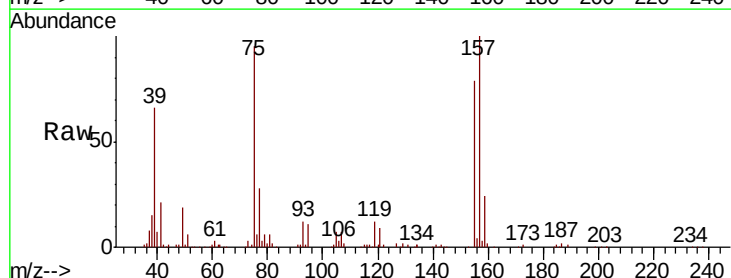
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

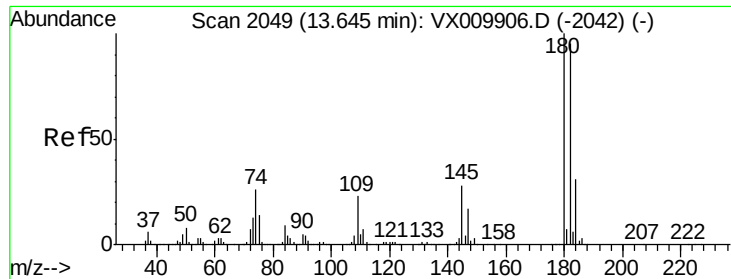
Tot Ion:146 Resp: 194392
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.1 63.1
 148 64.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.509 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Tgt Ion: 75 Resp: 35304
 Ion Ratio Lower Upper
 75 100
 155 81.1 39.3 117.8
 157 104.8 50.6 151.8

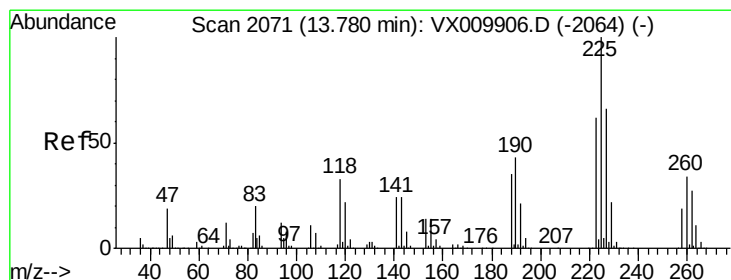
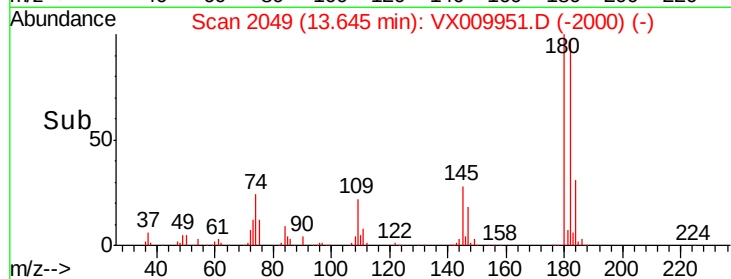
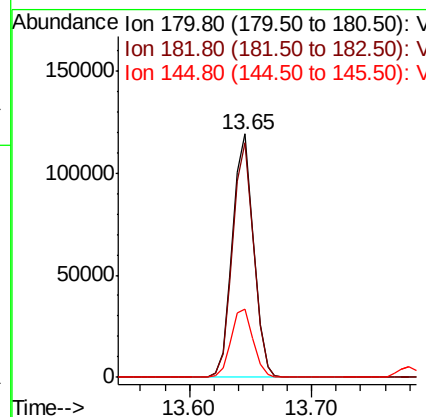
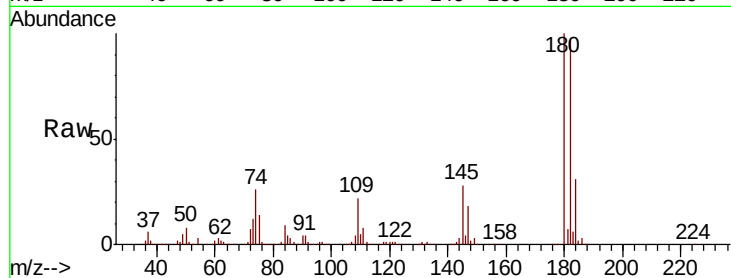




#93
 1,2,4-Trichlorobenzene
 Concen: 49.015 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

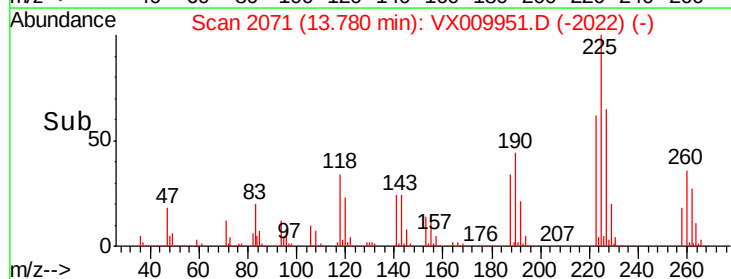
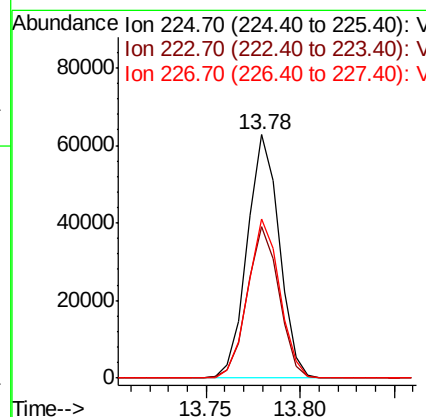
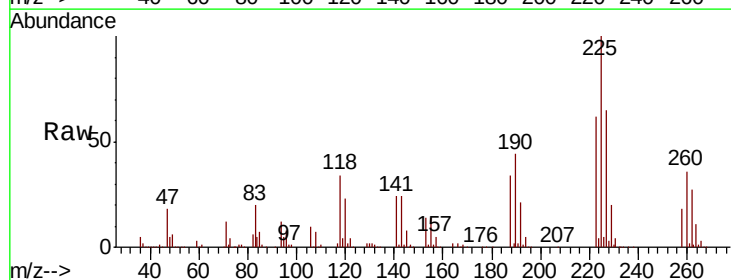
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

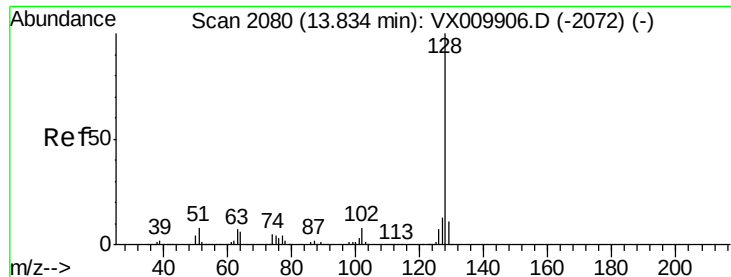
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.2
145	29.4	14.5	43.5



#94
 Hexachlorobutadiene
 Concen: 51.216 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009951.D
 Acq: 30 May 2019 11:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.3	93.8
227	65.0	32.3	96.8

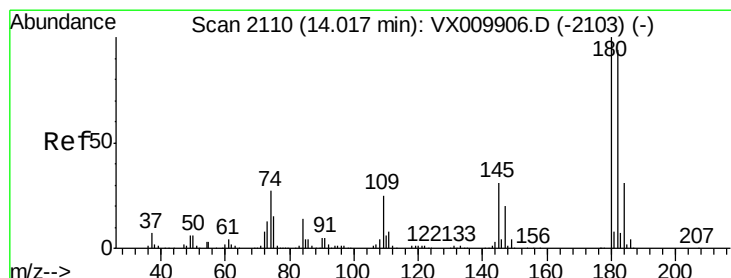
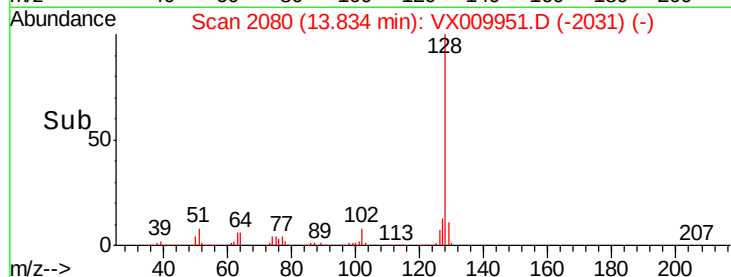
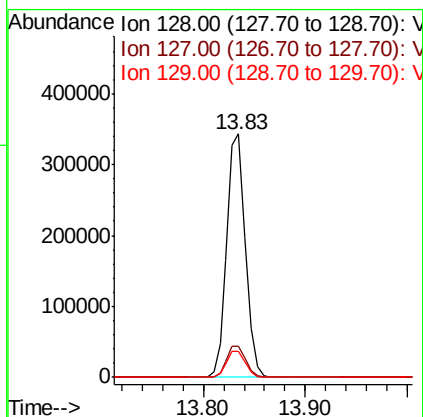
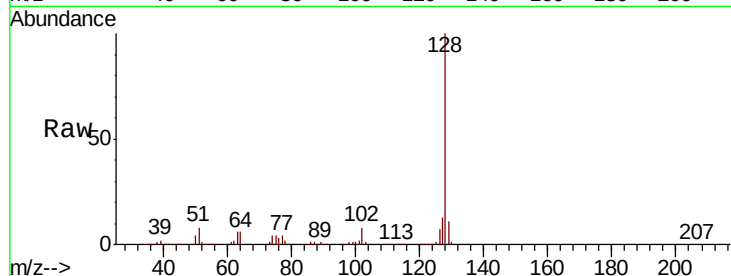




#95
Naphthalene
Concen: 47.962 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 430951
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.902 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009951.D
Acq: 30 May 2019 11:06

Tgt Ion:180 Resp: 141337
Ion Ratio Lower Upper
180 100
182 94.7 47.3 142.0
145 30.8 15.6 46.7

