

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012881.D
 Acq On : 08 Oct 2019 10:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 01:22:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	169025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	123351	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	102307	42.26	ug/l	0.00
Spiked Amount						
			Recovery	=	84.52%	
35) Dibromofluoromethane	5.48	113	83052	49.72	ug/l	0.00
Spiked Amount						
			Recovery	=	99.44%	
50) Toluene-d8	8.71	98	306718	47.55	ug/l	0.00
Spiked Amount						
			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.13	95	125541	49.52	ug/l	0.00
Spiked Amount						
			Recovery	=	99.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	73306	38.308	ug/l	100
3) Chloromethane	1.32	50	81474	37.705	ug/l	97
4) Vinyl Chloride	1.40	62	88469	41.037	ug/l	100
5) Bromomethane	1.62	94	32548	38.095	ug/l	99
6) Chloroethane	1.70	64	57860	40.131	ug/l	99
7) Trichlorofluoromethane	1.91	101	131736	43.607	ug/l	97
8) Diethyl Ether	2.18	74	53784	43.629	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89833	48.553	ug/l	99
10) Methyl Iodide	2.50	142	78531	44.669	ug/l	99
11) Tert butyl alcohol	3.04	59	124304	205.588	ug/l	99
12) 1,1-Dichloroethene	2.36	96	84203	46.497	ug/l	98
13) Acrolein	2.28	56	73828	221.445	ug/l	100
14) Allyl chloride	2.72	41	158814	44.698	ug/l	98
15) Acrylonitrile	3.13	53	275101	223.646	ug/l	100
16) Acetone	2.44	43	311430	242.836	ug/l	100
17) Carbon Disulfide	2.56	76	208031	40.903	ug/l	99
18) Methyl Acetate	2.76	43	137985	45.532	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	322408	47.426	ug/l	98
20) Methylene Chloride	2.84	84	100200	45.603	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	91090	45.470	ug/l	99
22) Diisopropyl ether	3.84	45	314424	45.772	ug/l	98
23) Vinyl Acetate	3.80	43	1366943	227.662	ug/l	100
24) 1,1-Dichloroethane	3.68	63	172832	46.184	ug/l	99
25) 2-Butanone	4.65	43	407626	222.138	ug/l	100
26) 2,2-Dichloropropane	4.57	77	154161	46.553	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	108854	46.846	ug/l	99
28) Bromochloromethane	5.00	49	57967	43.668	ug/l	100
29) Tetrahydrofuran	5.11	42	238713	213.088	ug/l	99
30) Chloroform	5.20	83	177586	46.272	ug/l	100
31) Cyclohexane	5.56	56	152860	45.009	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	155838	46.058	ug/l	98
36) 1,1-Dichloropropene	5.79	75	130371	48.259	ug/l	100
37) Ethyl Acetate	4.82	43	143742	46.087	ug/l	99
38) Carbon Tetrachloride	5.77	117	130341	47.936	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	162950	49.907	ug/l	98
40) Benzene	6.13	78	389977	49.194	ug/l	98
41) Methacrylonitrile	5.03	41	82428	47.290	ug/l	98
42) 1,2-Dichloroethane	6.18	62	141978	47.580	ug/l	100
43) Isopropyl Acetate	6.43	43	240981	46.303	ug/l	99
44) Trichloroethene	7.20	130	102180	50.065	ug/l	93
45) 1,2-Dichloropropane	7.50	63	102321	50.421	ug/l	99
46) Dibromomethane	7.65	93	67595	48.992	ug/l	99
47) Bromodichloromethane	7.89	83	138947	50.640	ug/l	100
48) Methyl methacrylate	7.76	41	118758	47.639	ug/l	98
49) 1,4-Dioxane	7.73	88	50617	883.515	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	748142	232.849	ug/l	100
52) Toluene	8.78	92	250298	50.261	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	153967	50.668	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	169816	51.109	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	102778	51.922	ug/l	99
56) Ethyl methacrylate	9.17	69	169554	51.124	ug/l	100
57) 1,3-Dichloropropane	9.37	76	173688	50.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	394746	266.876	ug/l	100
59) 2-Hexanone	9.48	43	595127	242.483	ug/l	100
60) Dibromochloromethane	9.57	129	106877	53.287	ug/l	100
61) 1,2-Dibromoethane	9.67	107	106439	51.662	ug/l	98
64) Tetrachloroethene	9.33	164	93005	53.099	ug/l	97
65) Chlorobenzene	10.14	112	268517	51.339	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	100523	53.060	ug/l	100
67) Ethyl Benzene	10.25	91	493576	52.050	ug/l	100
68) m/p-Xylenes	10.35	106	367118	103.436	ug/l	99
69) o-Xylene	10.70	106	177894	51.722	ug/l	99
70) Styrene	10.71	104	314753	54.538	ug/l	99
71) Bromoform	10.85	173	74141	55.869	ug/l #	100
73) Isopropylbenzene	11.01	105	485553	48.298	ug/l	100
74) N-amyl acetate	10.89	43	218025	46.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	160308	48.430	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	187958	59.565	ug/l	77
77) Bromobenzene	11.25	156	111582	48.863	ug/l	97
78) n-propylbenzene	11.35	91	546169	48.509	ug/l	98
79) 2-Chlorotoluene	11.42	91	329215	46.767	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	401329	47.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51989	46.402	ug/l	100
82) 4-Chlorotoluene	11.51	91	380259	47.353	ug/l	100
83) tert-Butylbenzene	11.76	119	392809	48.136	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	403040	47.326	ug/l	100
85) sec-Butylbenzene	11.94	105	460258	48.524	ug/l	99
86) p-Isopropyltoluene	12.06	119	439554	51.402	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	207336	50.267	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	214716	51.714	ug/l	98
89) n-Butylbenzene	12.38	91	381778	50.881	ug/l	100
90) Hexachloroethane	12.59	117	74000	48.825	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	208266	50.656	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	38734	47.167	ug/l	94

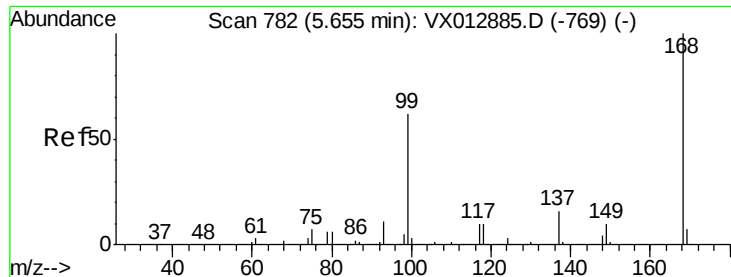
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	135322	53.592	ug/l	99
94) Hexachlorobutadiene	13.77	225	62656	57.166	ug/l	99
95) Naphthalene	13.83	128	458800	50.729	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	131620	52.147	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

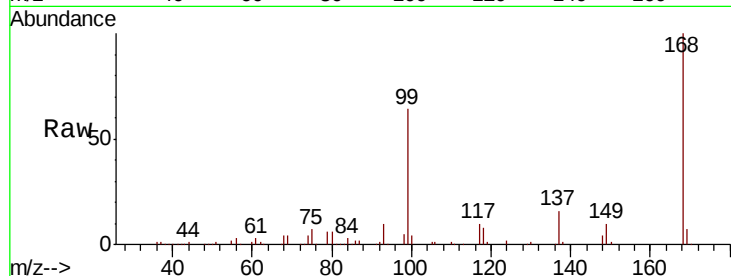
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 169025

Ion Ratio Lower Upper

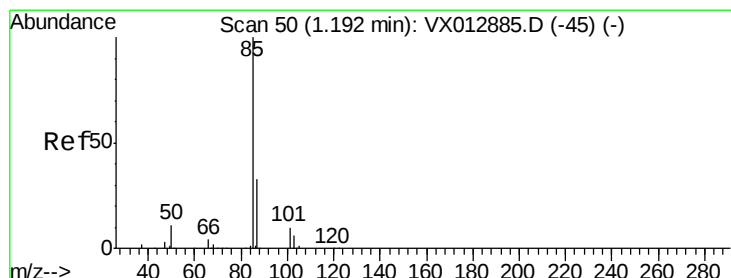
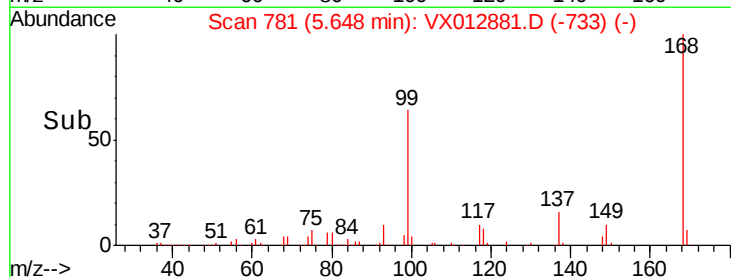
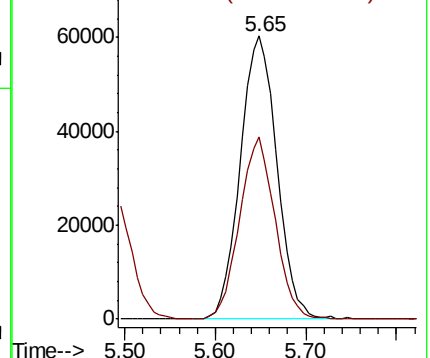
168 100

99 64.0 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 38.308 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012881.D

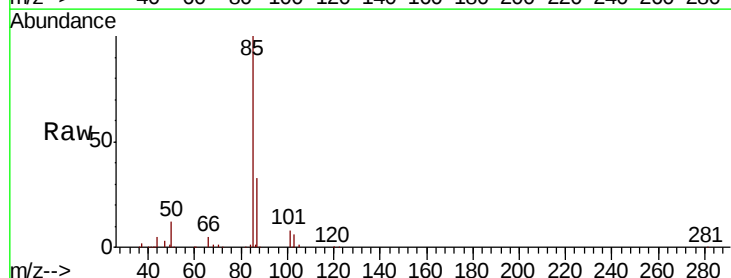
Acq: 08 Oct 2019 10:31

Tgt Ion: 85 Resp: 73306

Ion Ratio Lower Upper

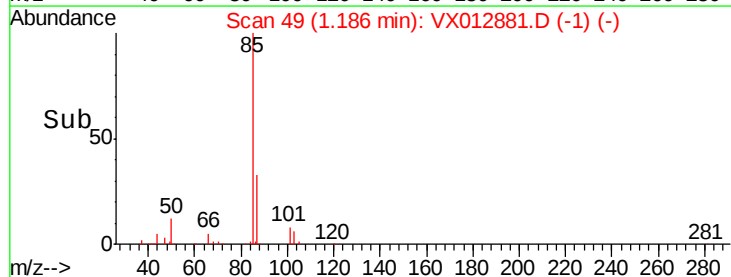
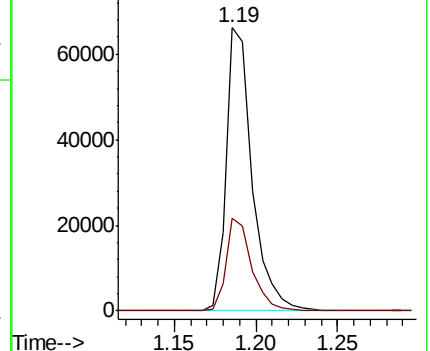
85 100

87 32.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 37.705 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

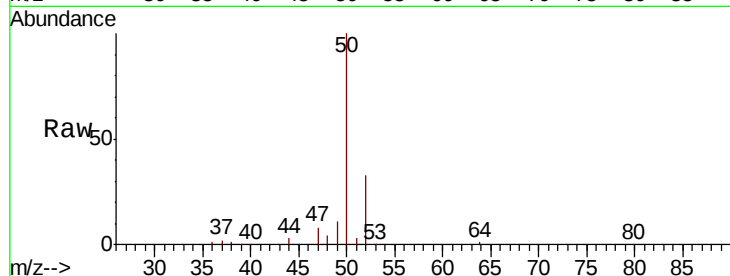
ClientSampleId :

Tot Ion: 50 Resp: 81474

Ion Ratio Lower Upper

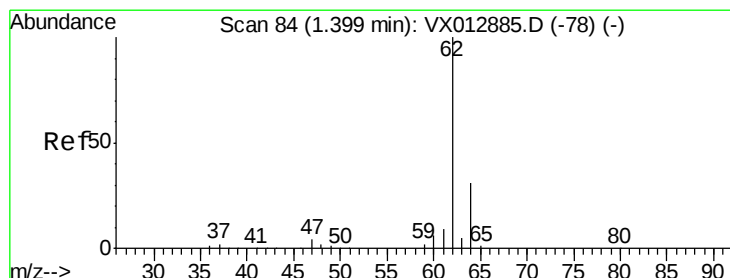
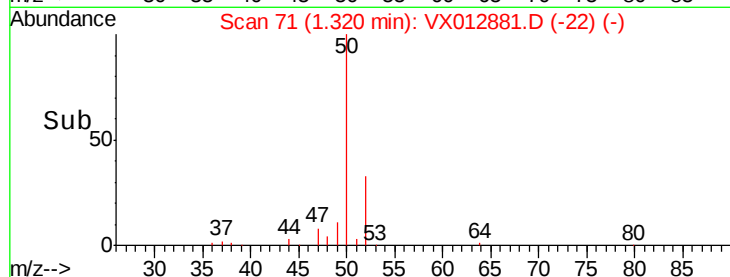
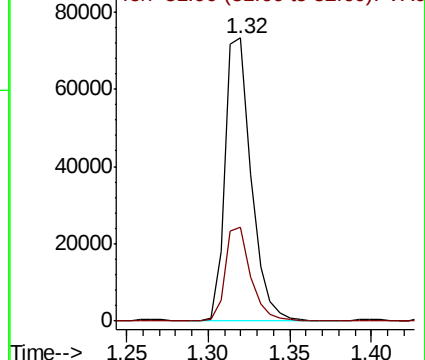
50 100

52 33.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 41.037 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012881.D

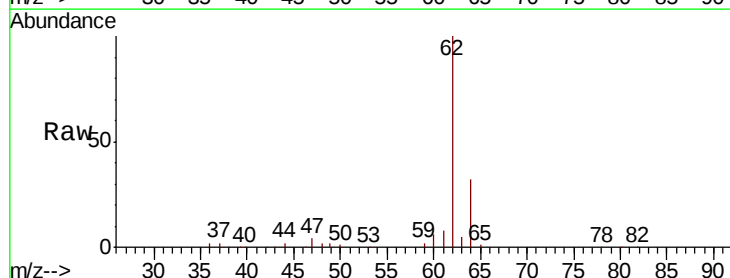
Acq: 08 Oct 2019 10:31

Tgt Ion: 62 Resp: 88469

Ion Ratio Lower Upper

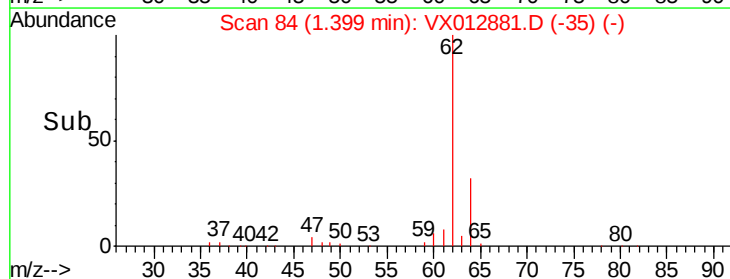
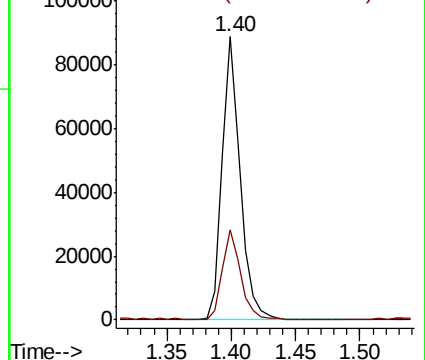
62 100

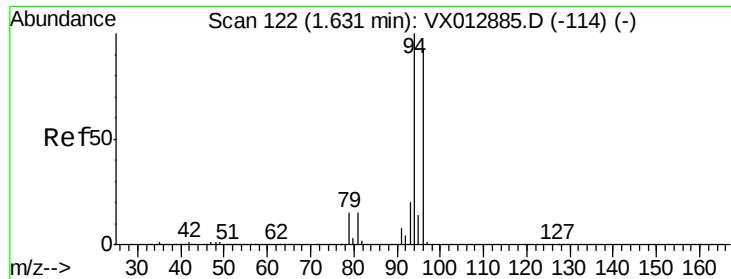
64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 38.095 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

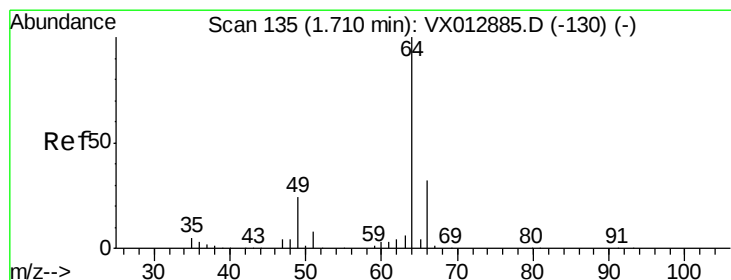
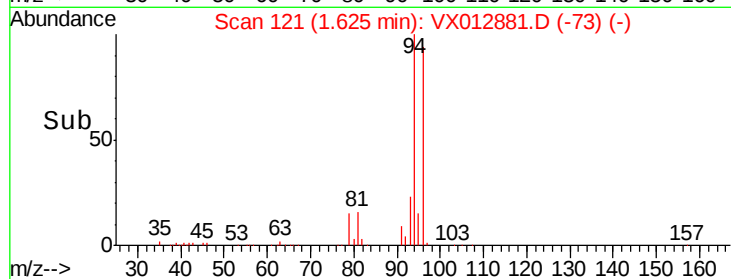
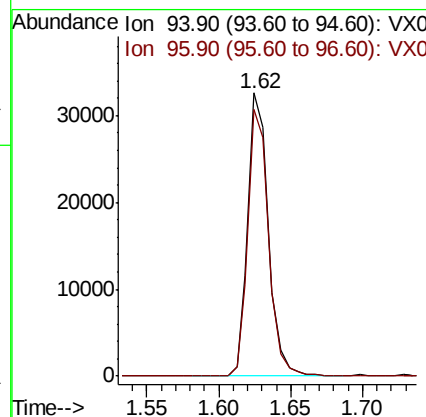
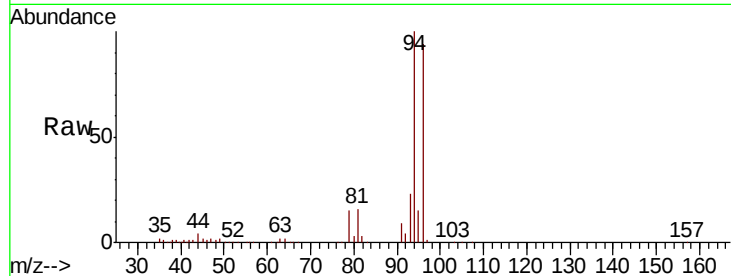
ClientSampleId :

Tot Ion: 94 Resp: 32548

Ion Ratio Lower Upper

94 100

96 94.2 74.7 112.1



#6

Chloroethane

Concen: 40.131 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012881.D

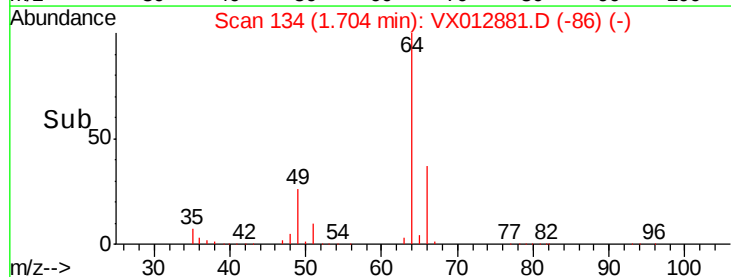
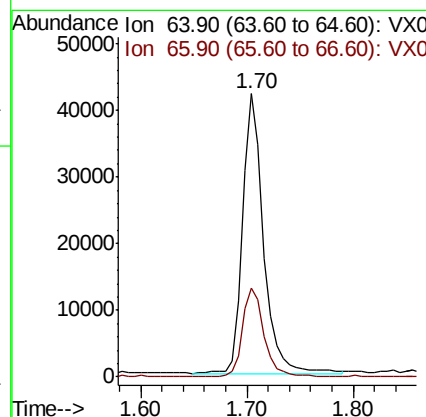
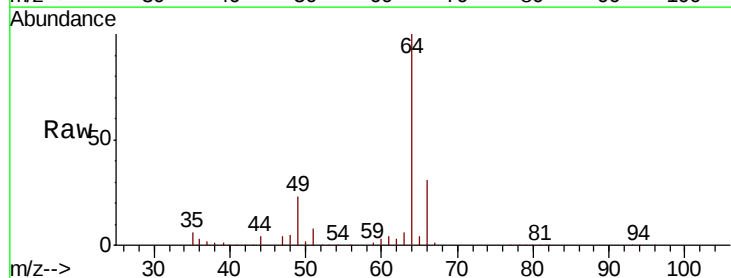
Acq: 08 Oct 2019 10:31

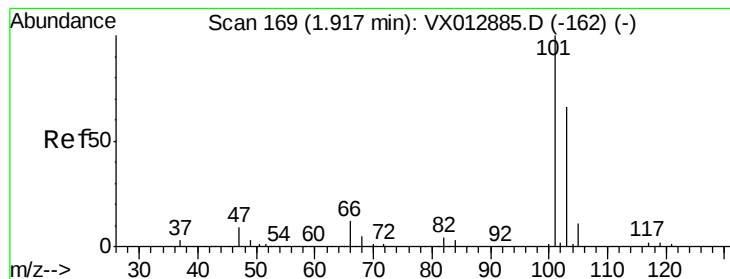
Tgt Ion: 64 Resp: 57860

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4



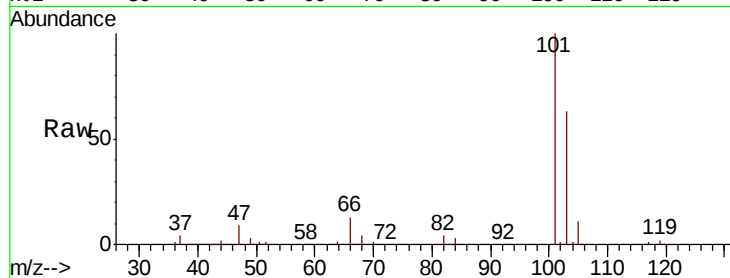


#7

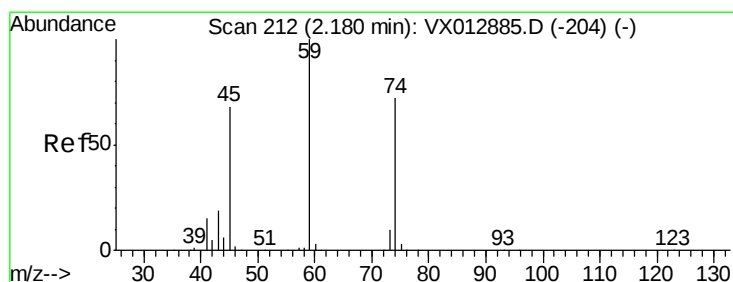
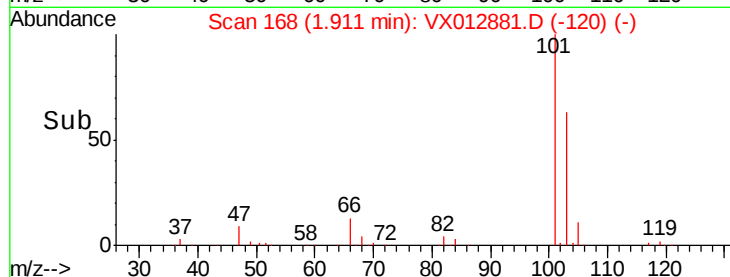
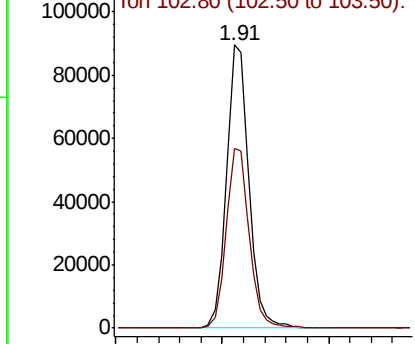
Trichlorofluoromethane
Concen: 43.607 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:101 Resp: 131736
Ion Ratio Lower Upper
101 100
103 63.4 52.5 78.7



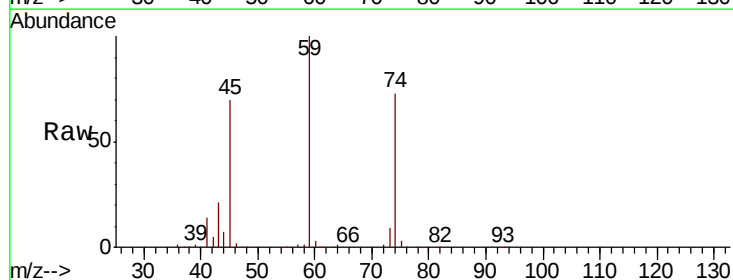
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



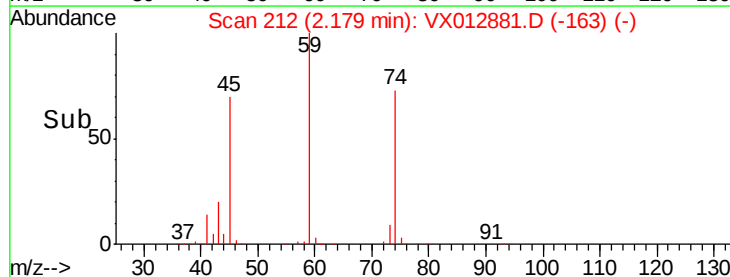
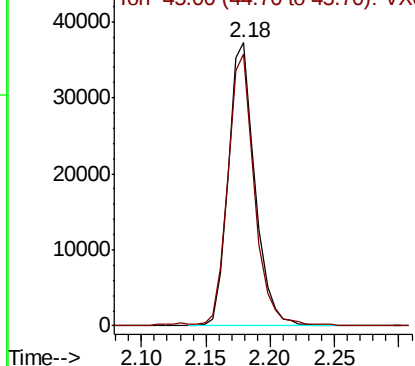
#8

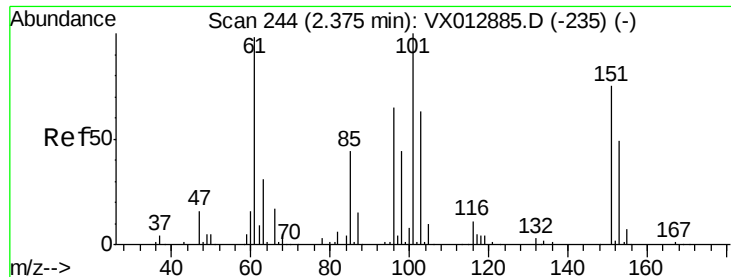
Diethyl Ether
Concen: 43.629 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 74 Resp: 53784
Ion Ratio Lower Upper
74 100
45 95.7 47.8 143.4



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.553 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

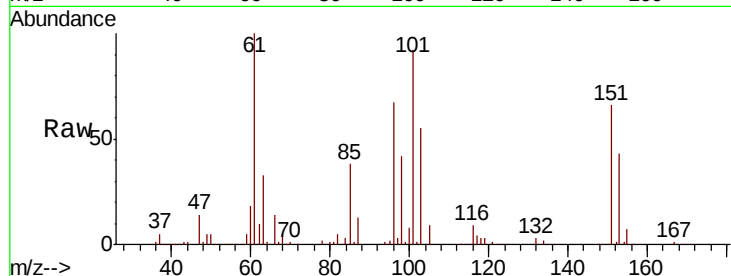
Tot Ion:101 Resp: 89833

Ion Ratio Lower Upper

101 100

85 43.0 35.2 52.8

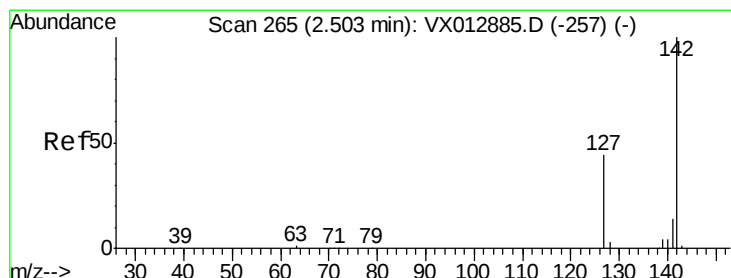
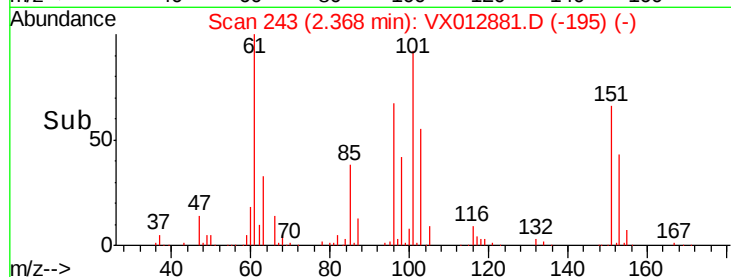
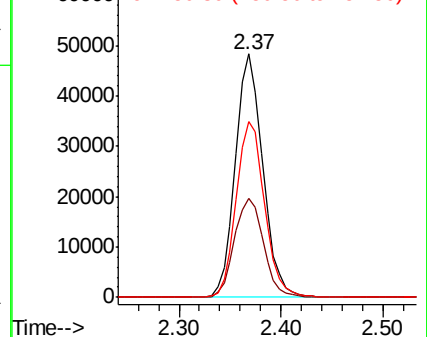
151 74.3 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.669 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

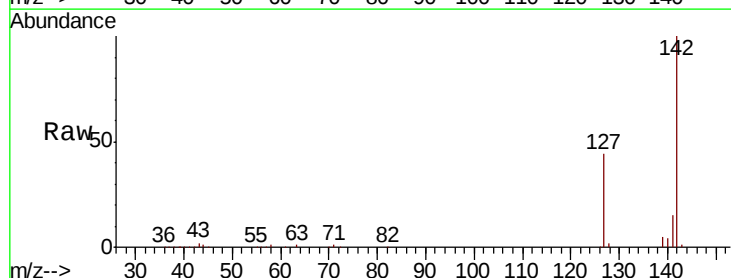
Tgt Ion:142 Resp: 78531

Ion Ratio Lower Upper

142 100

127 44.1 34.9 52.3

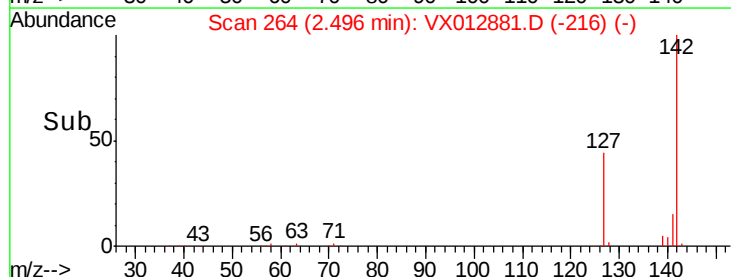
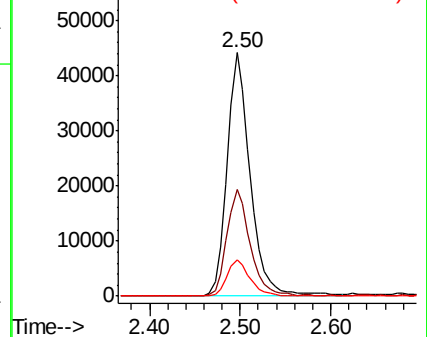
141 14.9 11.6 17.4

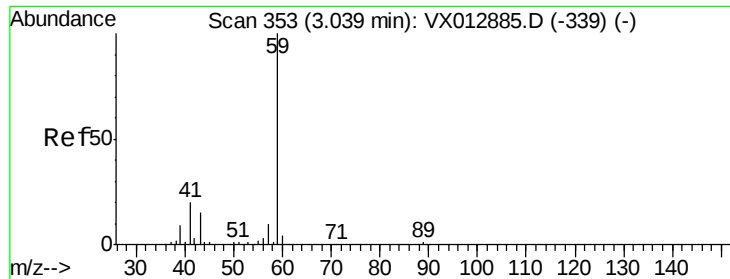


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

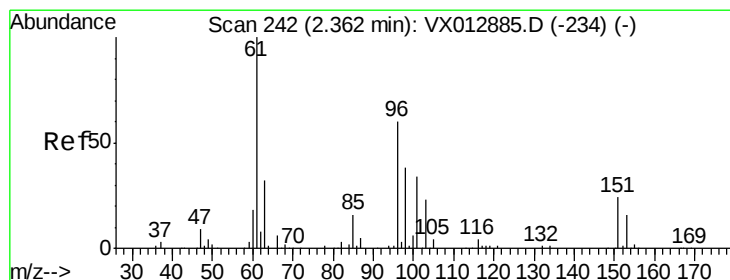
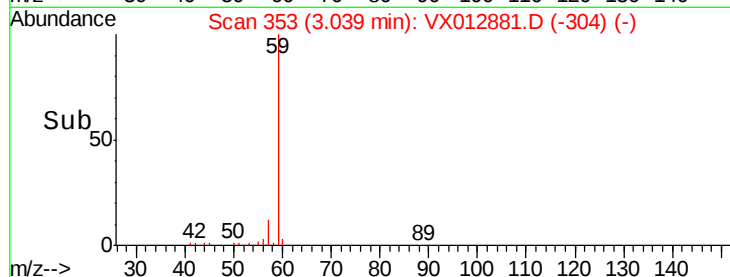
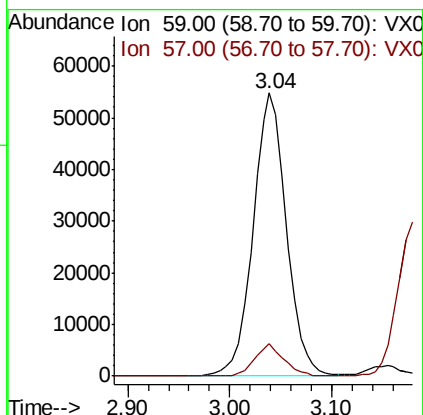
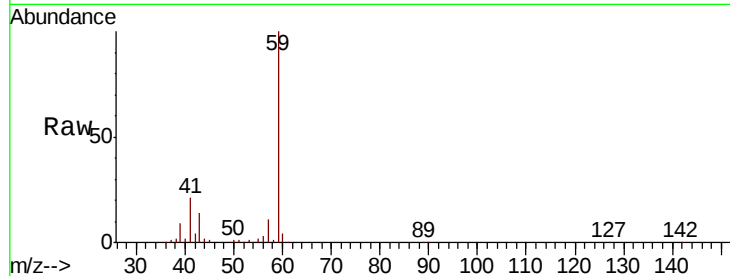




#11
Tert butyl alcohol
Concen: 205.588 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

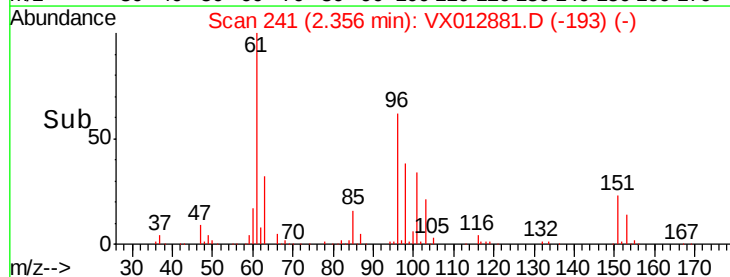
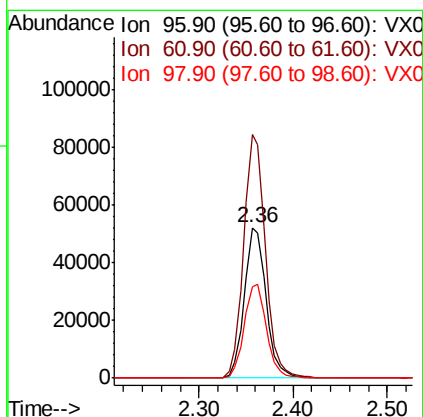
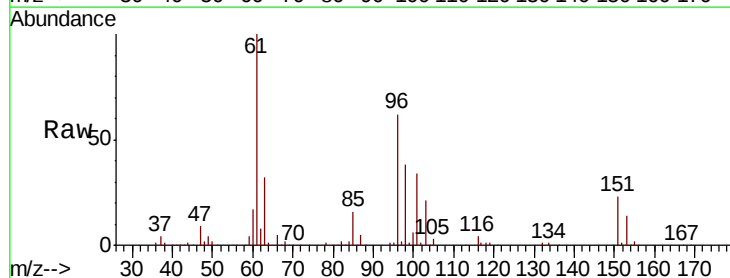
Instrument :
MSVOA_X
ClientSampleId :

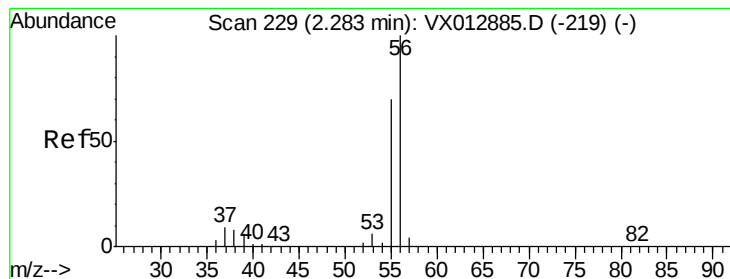
Tot Ion: 59 Resp: 124304
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5



#12
1,1-Dichloroethene
Concen: 46.497 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 96 Resp: 84203
Ion Ratio Lower Upper
96 100
61 162.1 132.2 198.4
98 61.2 50.5 75.7





#13

Acrolein

Concen: 221.445 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

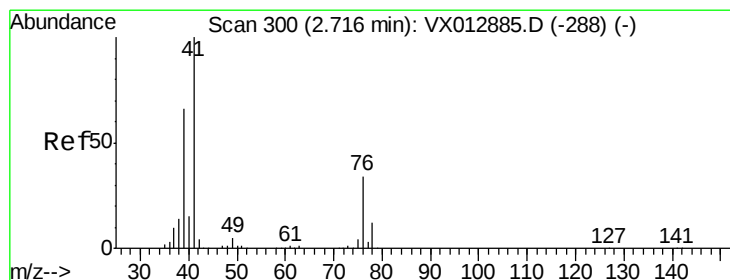
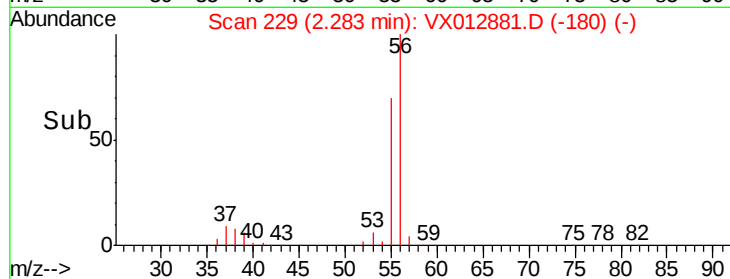
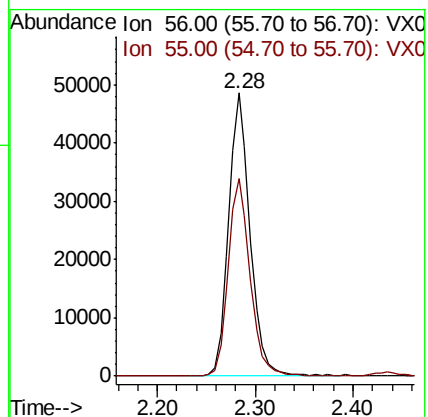
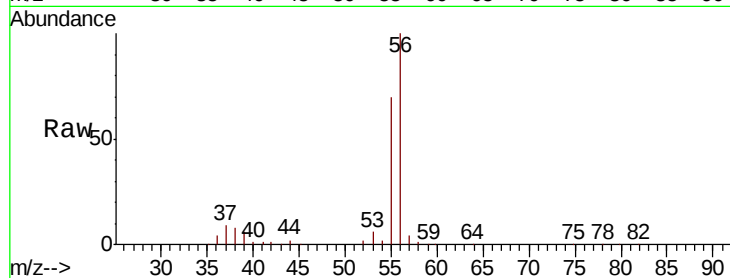
ClientSampleId :

Tot Ion: 56 Resp: 73828

Ion Ratio Lower Upper

56 100

55 70.8 56.6 85.0



#14

Allyl chloride

Concen: 44.698 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

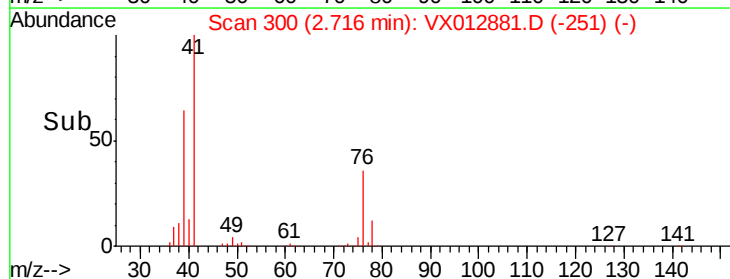
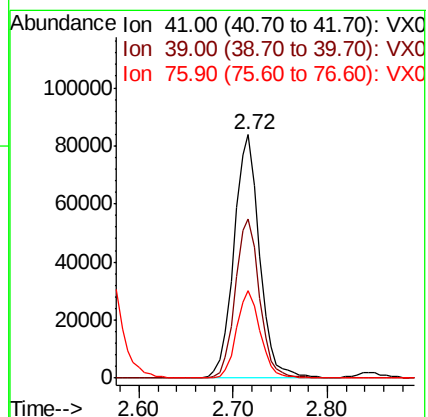
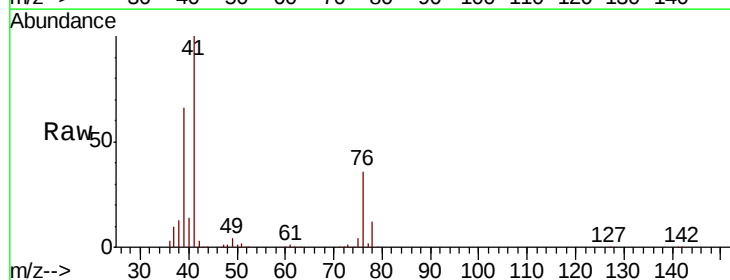
Tgt Ion: 41 Resp: 158814

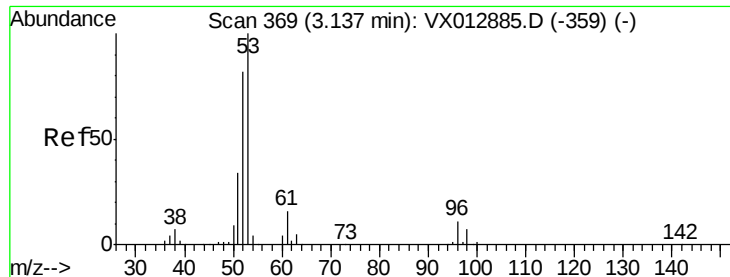
Ion Ratio Lower Upper

41 100

39 62.2 51.0 76.6

76 33.0 26.2 39.4





#15

Acrylonitrile

Concen: 223.646 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

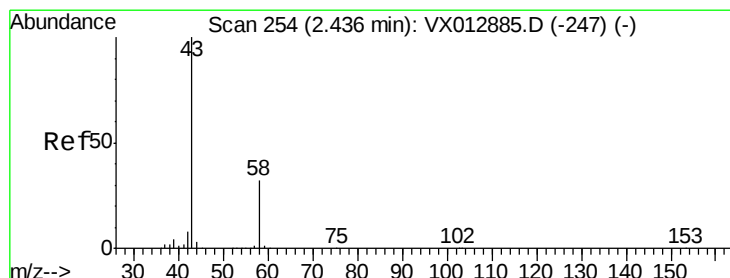
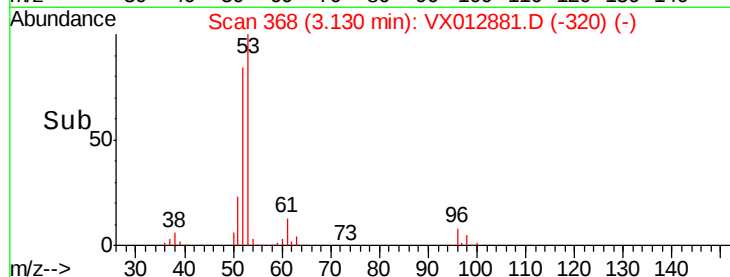
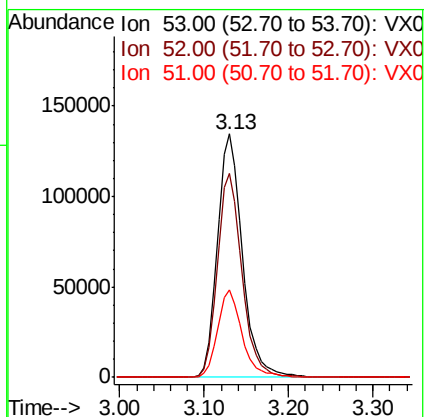
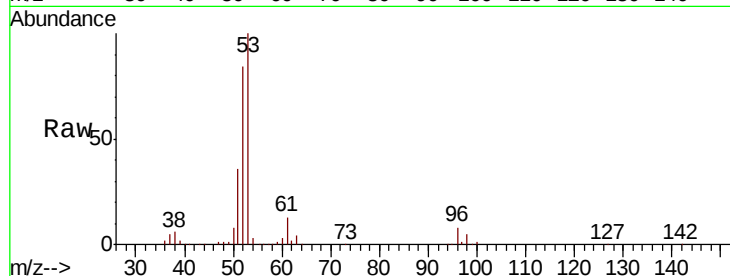
Tot Ion: 53 Resp: 275101

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

51 35.5 28.2 42.4



#16

Acetone

Concen: 242.836 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX012881.D

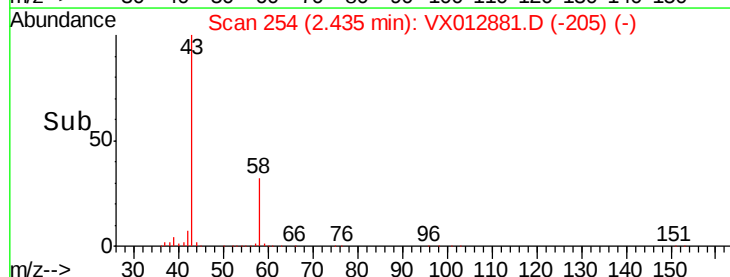
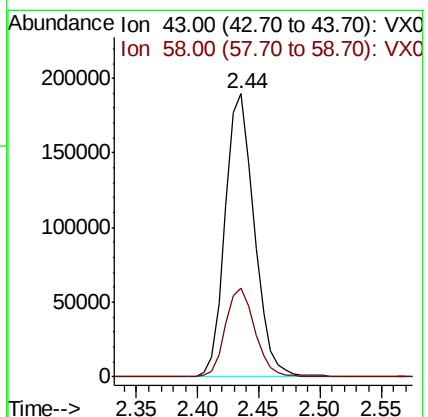
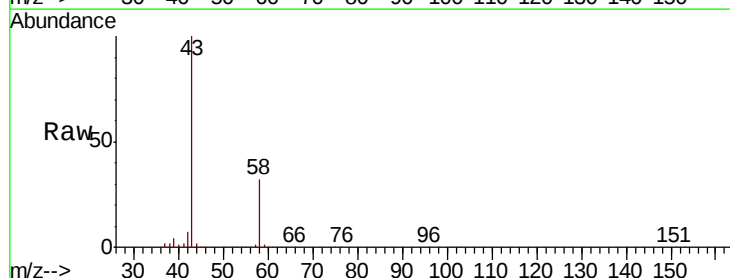
Acq: 08 Oct 2019 10:31

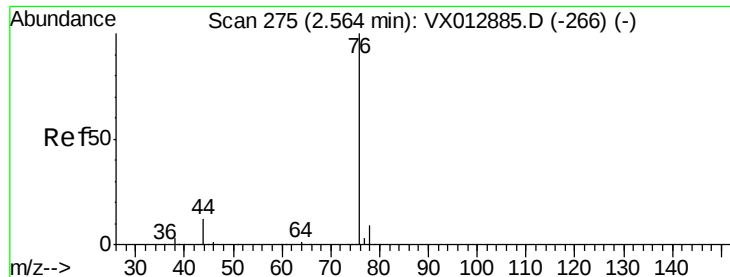
Tgt Ion: 43 Resp: 311430

Ion Ratio Lower Upper

43 100

58 31.6 25.4 38.2





#17

Carbon Disulfide

Concen: 40.903 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

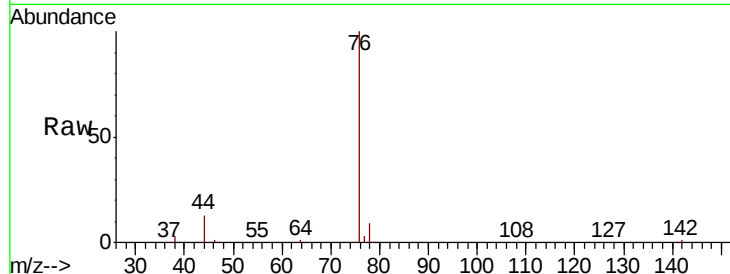
ClientSampleId :

Tot Ion: 76 Resp: 208031

Ion Ratio Lower Upper

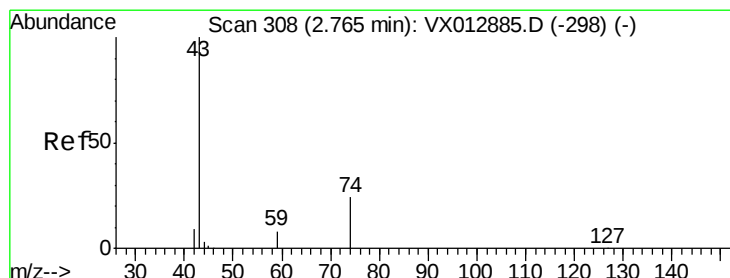
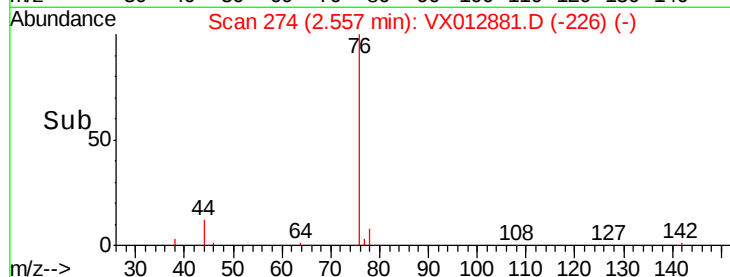
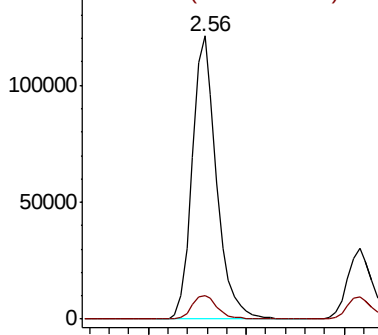
76 100

78 8.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 45.532 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012881.D

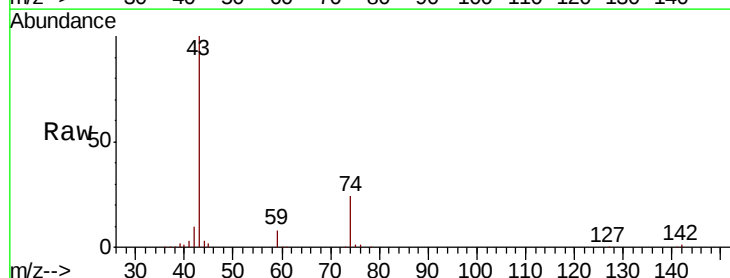
Acq: 08 Oct 2019 10:31

Tgt Ion: 43 Resp: 137985

Ion Ratio Lower Upper

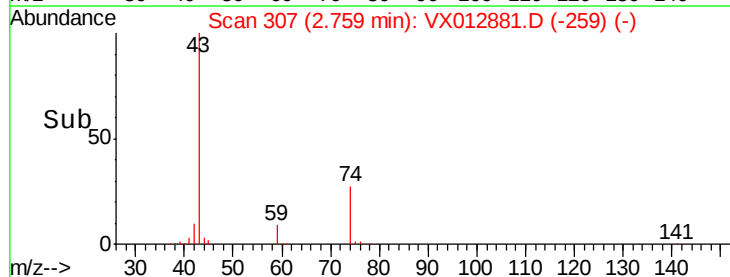
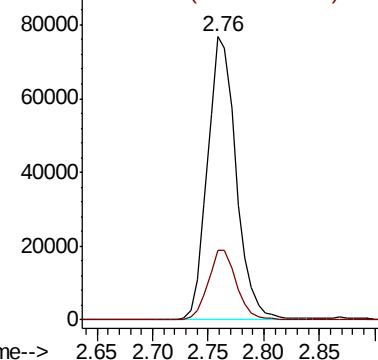
43 100

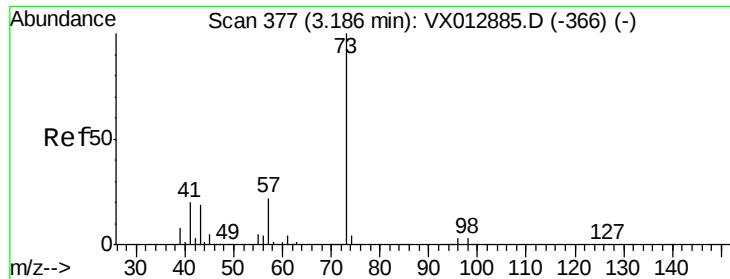
74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

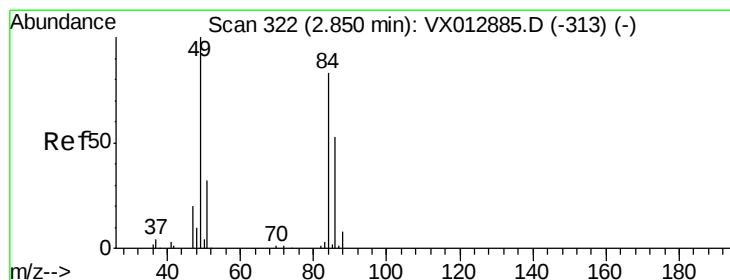
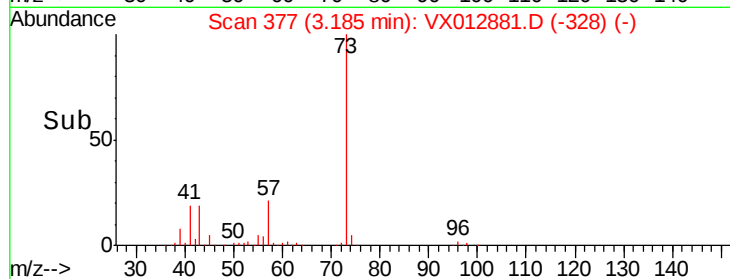
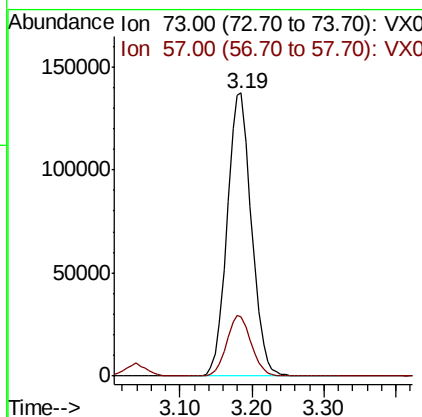
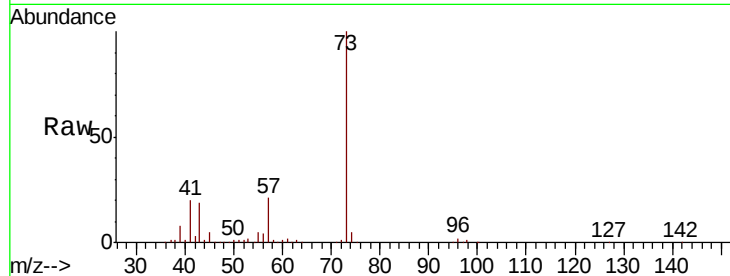




#19
Methyl tert-butyl Ether
Concen: 47.426 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

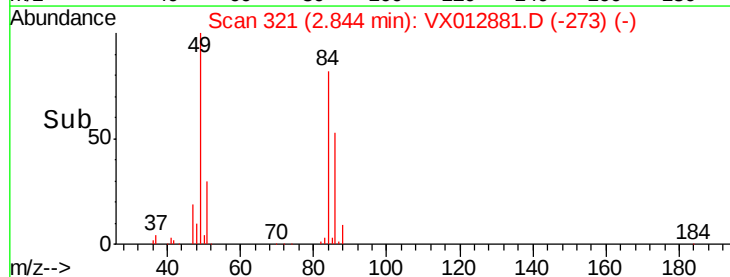
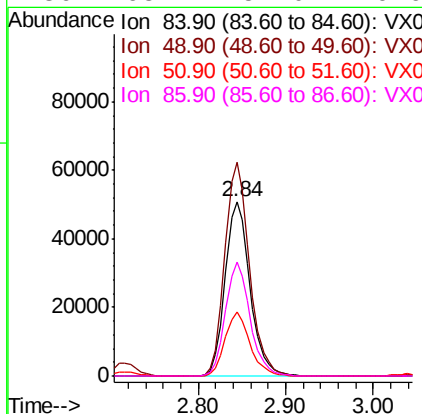
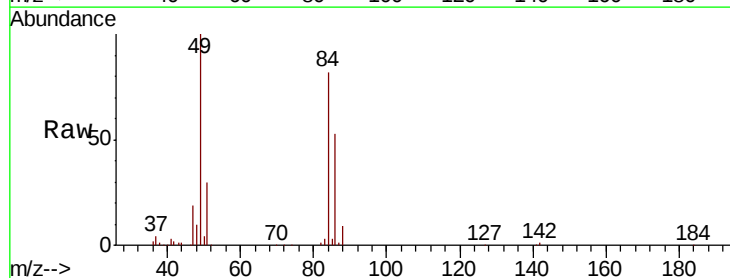
Instrument :
MSVOA_X
ClientSampleId :

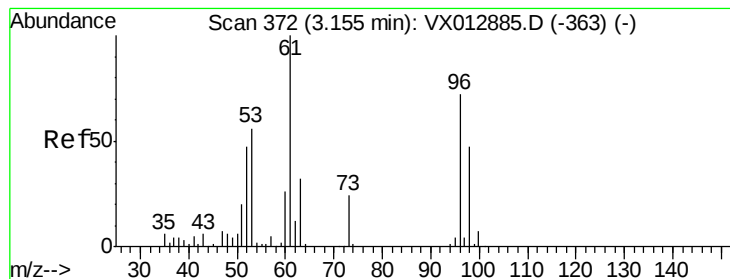
Tot Ion: 73 Resp: 322408
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.6



#20
Methylene Chloride
Concen: 45.603 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 84 Resp: 100200
Ion Ratio Lower Upper
84 100
49 122.3 96.6 144.8
51 36.7 30.7 46.1
86 65.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.470 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

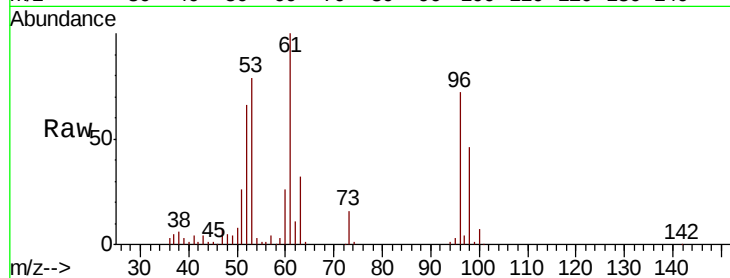
Tot Ion: 96 Resp: 91090

Ion Ratio Lower Upper

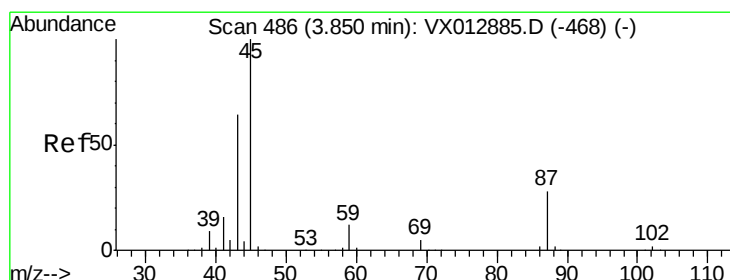
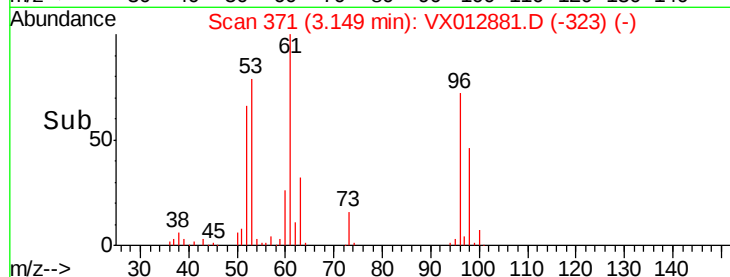
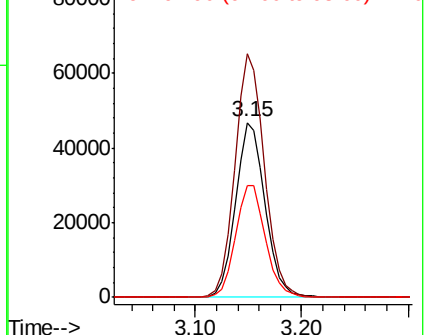
96 100

61 139.5 110.4 165.6

98 64.4 51.5 77.3



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



#22

Diisopropyl ether

Concen: 45.772 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion: 45 Resp: 314424

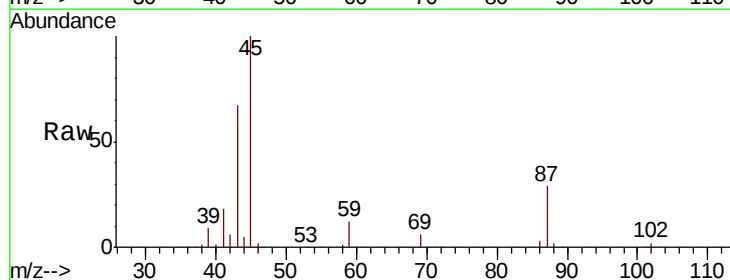
Ion Ratio Lower Upper

45 100

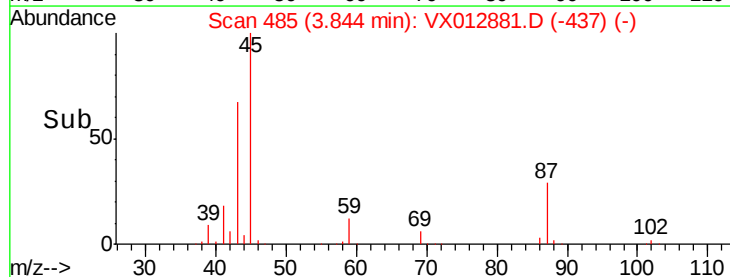
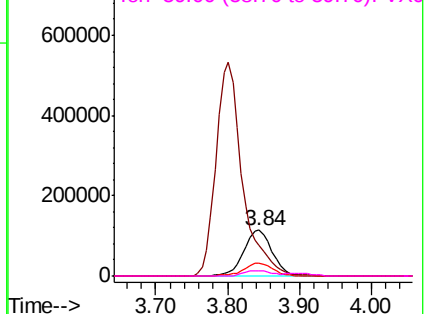
43 66.7 51.4 77.0

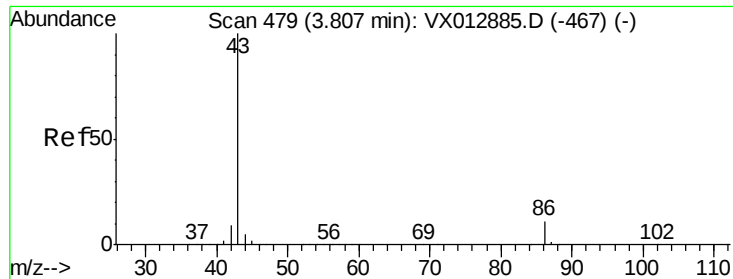
87 28.8 22.5 33.7

59 12.5 9.7 14.5



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: 227.662 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

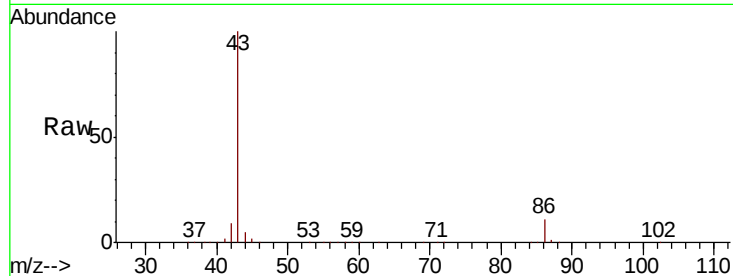
ClientSampled :

Tot Ion: 43 Resp: 1366943

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

600000

500000

400000

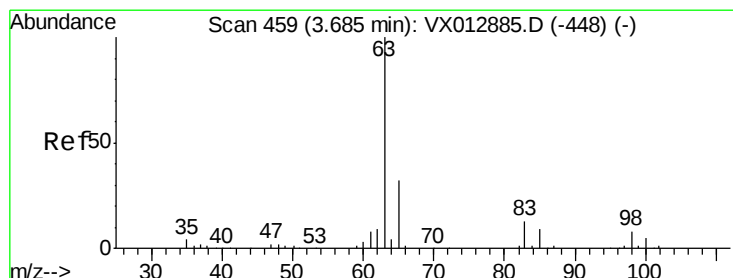
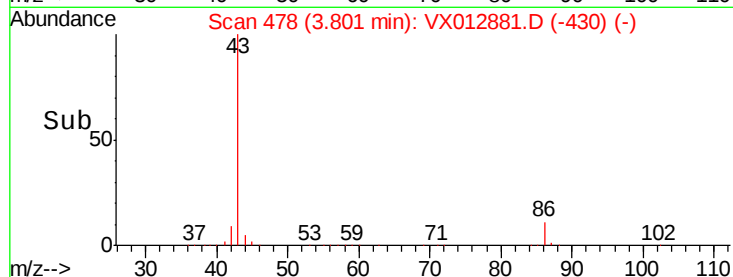
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.184 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

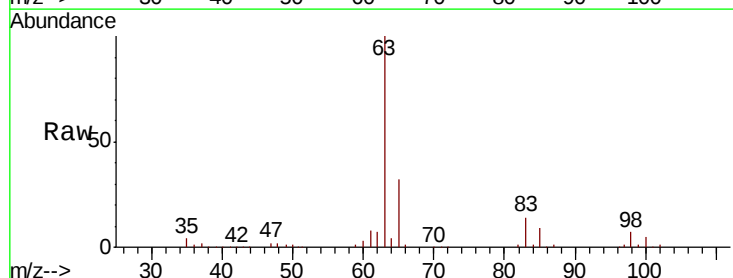
Tgt Ion: 63 Resp: 172832

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 4.6 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80000

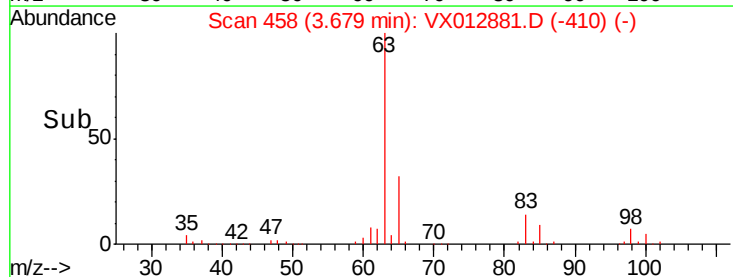
60000

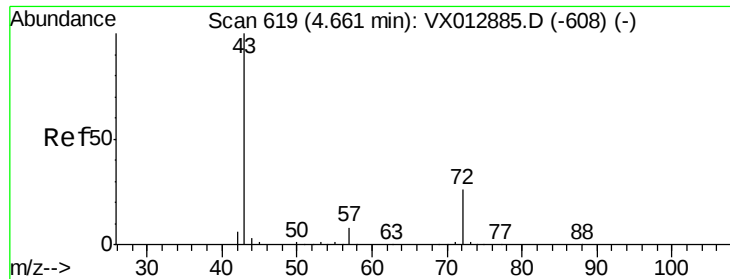
40000

20000

0

Time-->





#25

2-Butanone

Concen: 222.138 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

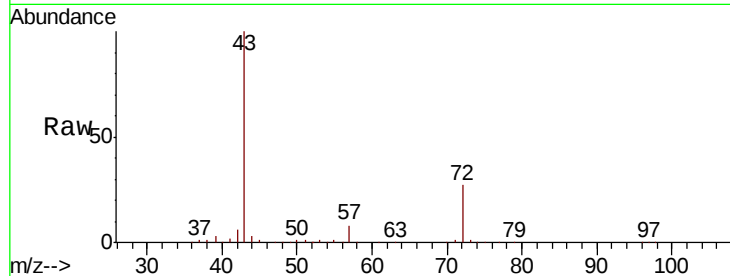
ClientSampleId :

Tot Ion: 43 Resp: 407626

Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

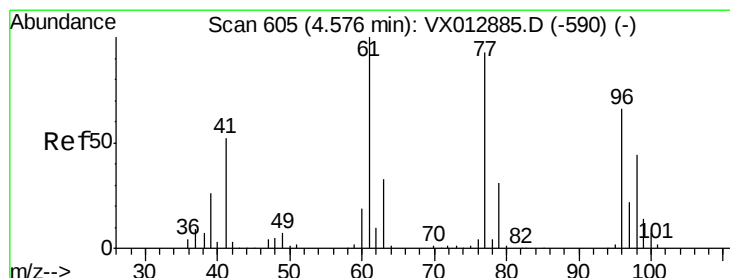
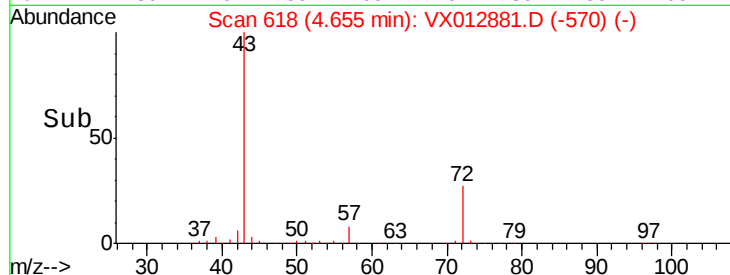
100000

50000

0

4.60 4.65 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.553 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012881.D

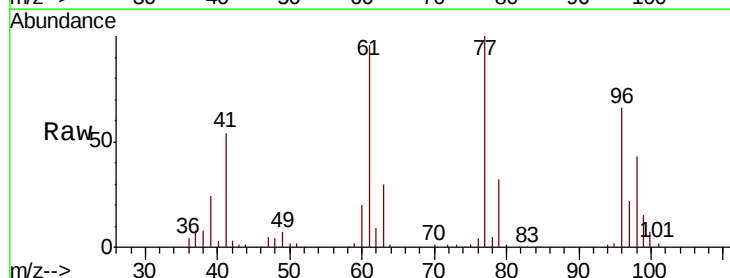
Acq: 08 Oct 2019 10:31

Tgt Ion: 77 Resp: 154161

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

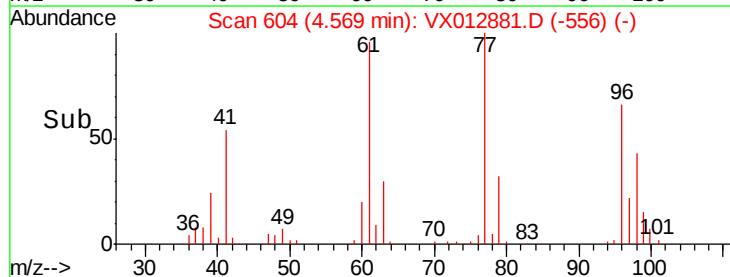
20000

10000

0

4.40 4.50 4.60 4.70

Time-->



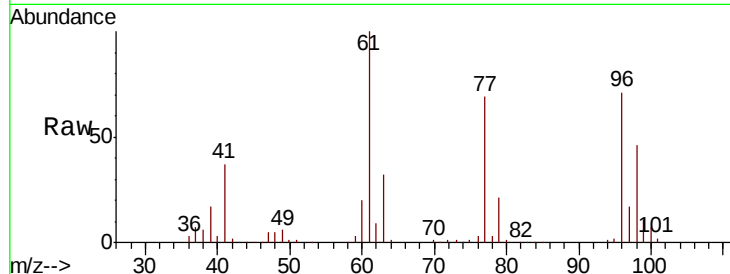


#27

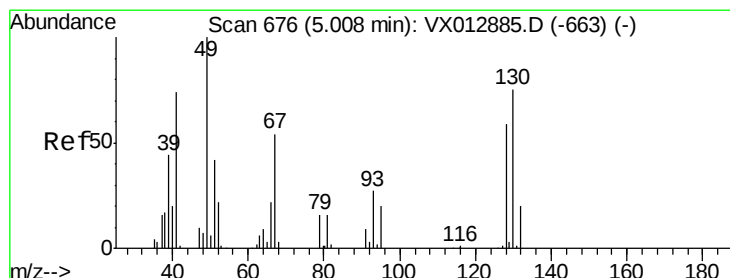
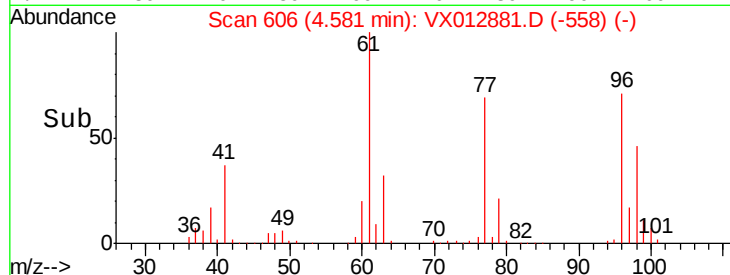
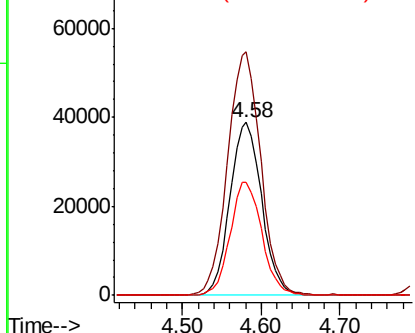
cis-1,2-Dichloroethene
Concen: 46.846 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	290.6
98	65.3	0.0	128.8



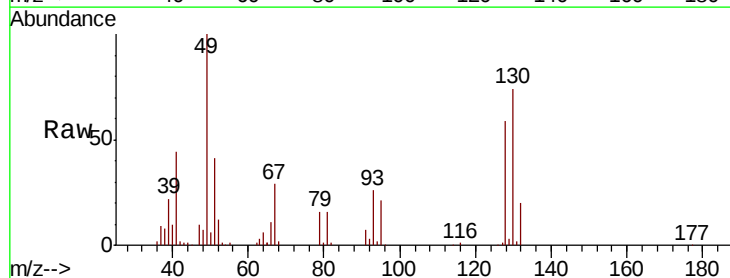
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



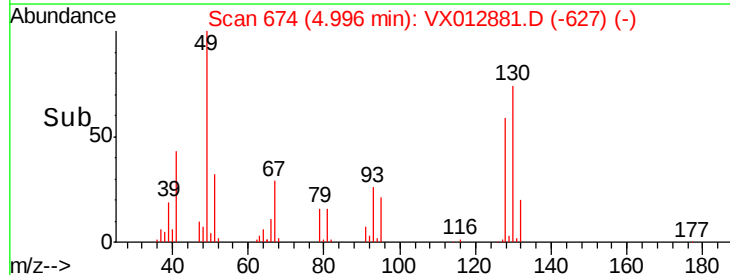
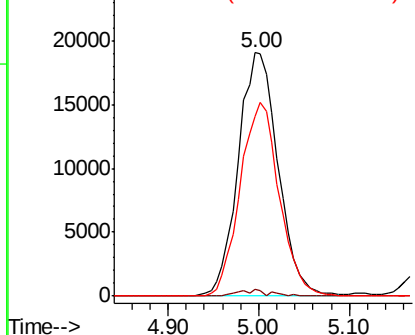
#28

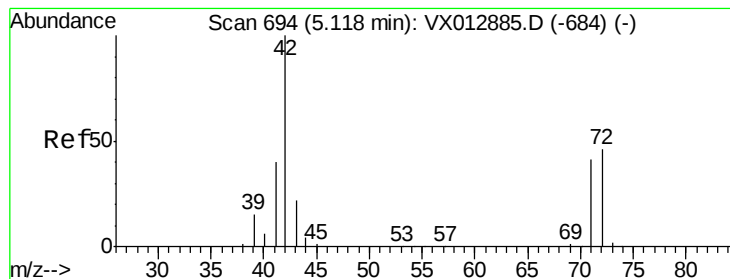
Bromochloromethane
Concen: 43.668 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.2
130	77.9	62.1	93.1



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: 213.088 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

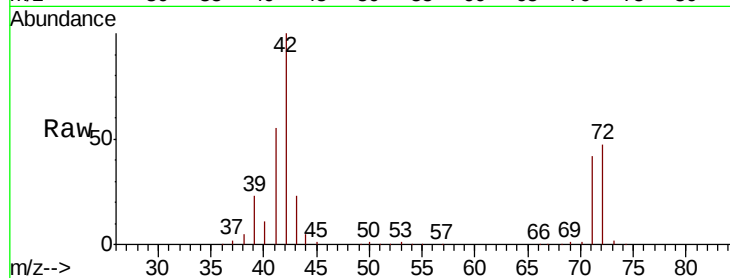
Tot Ion: 42 Resp: 238713

Ion Ratio Lower Upper

42 100

72 46.6 36.9 55.3

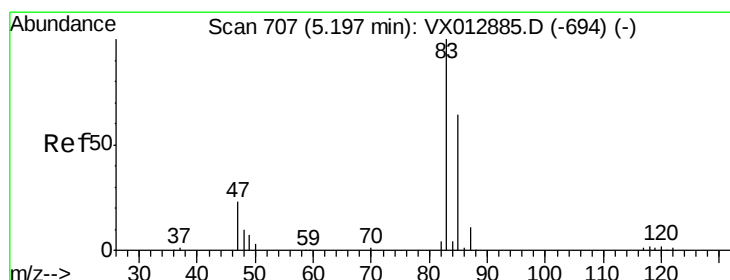
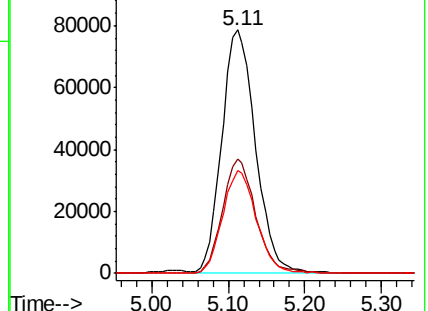
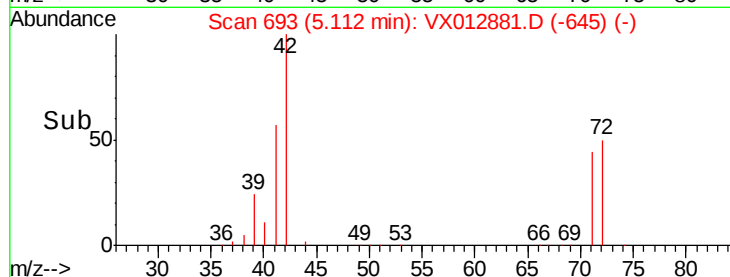
71 42.5 33.5 50.3



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: 46.272 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX012881.D

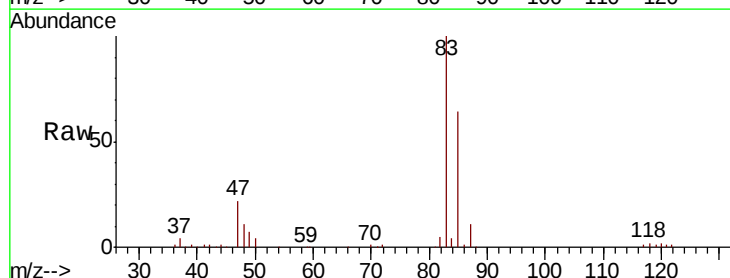
Acq: 08 Oct 2019 10:31

Tgt Ion: 83 Resp: 177586

Ion Ratio Lower Upper

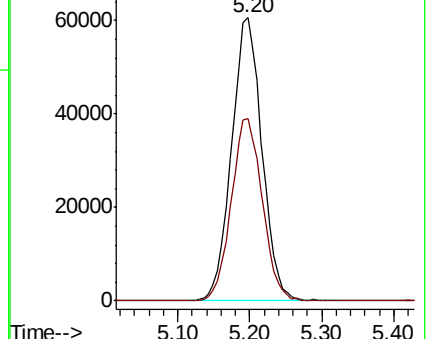
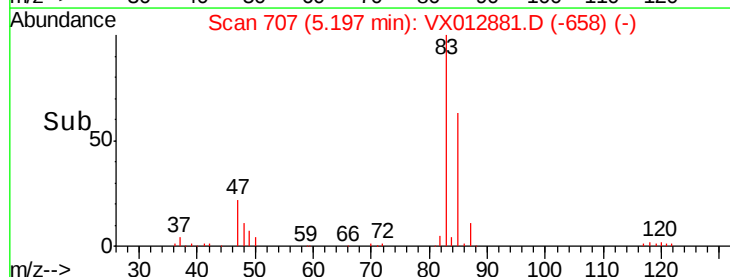
83 100

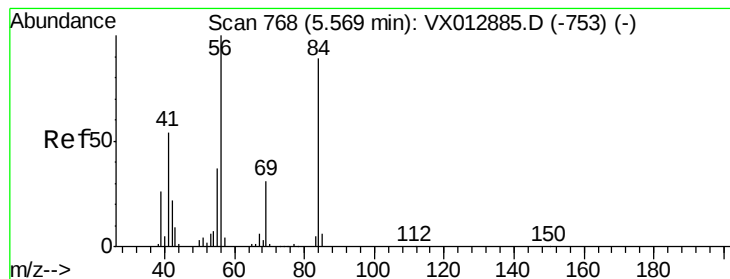
85 64.3 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 45.009 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

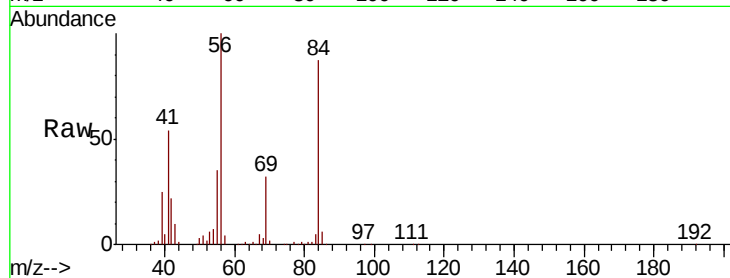
Tot Ion: 56 Resp: 152860

Ion Ratio Lower Upper

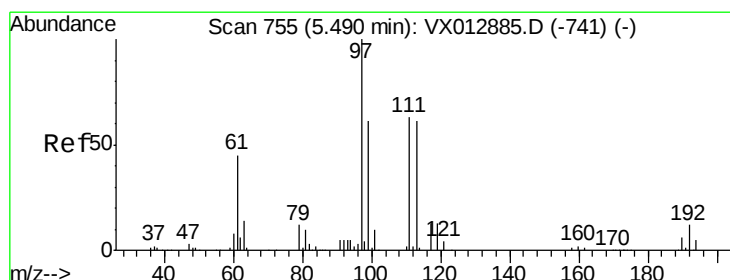
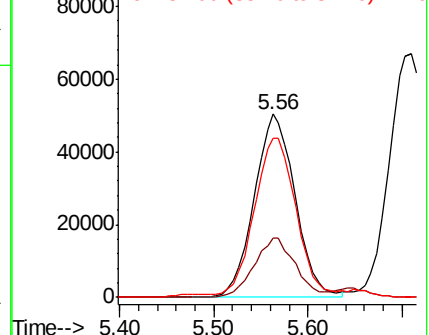
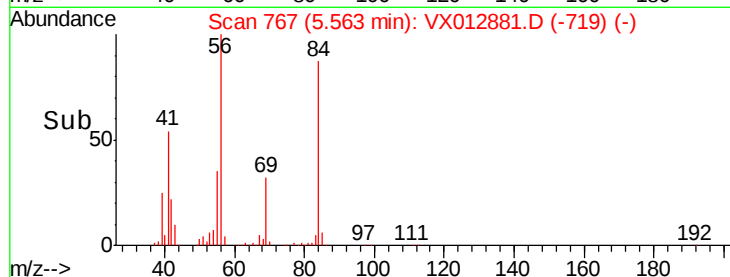
56 100

69 32.2 25.2 37.8

84 85.1 71.3 106.9



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: 46.058 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

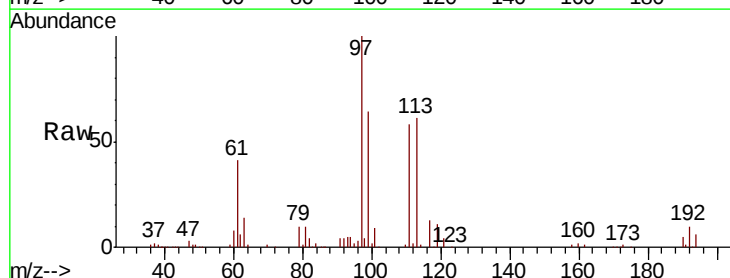
Tgt Ion: 97 Resp: 155838

Ion Ratio Lower Upper

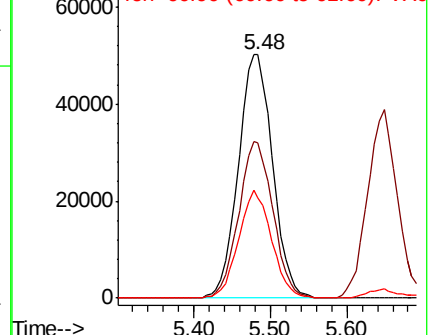
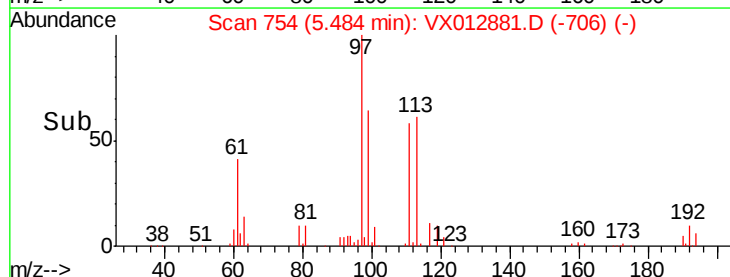
97 100

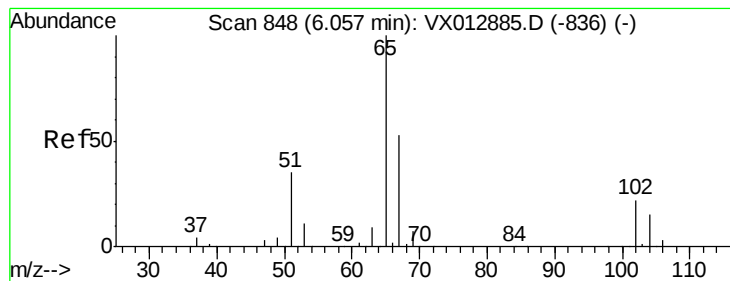
99 64.1 52.3 78.5

61 42.7 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 42.261 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

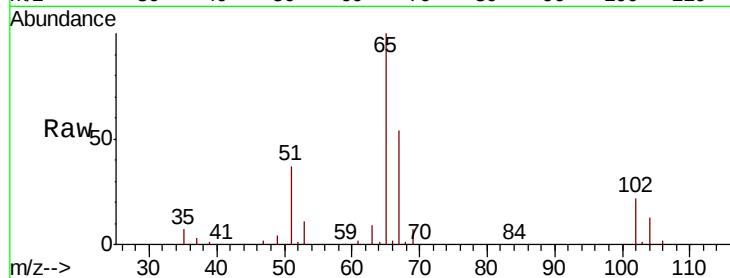
ClientSampleId :

Tot Ion: 65 Resp: 102307

Ion Ratio Lower Upper

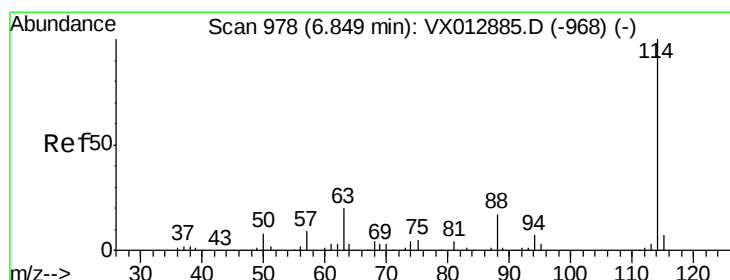
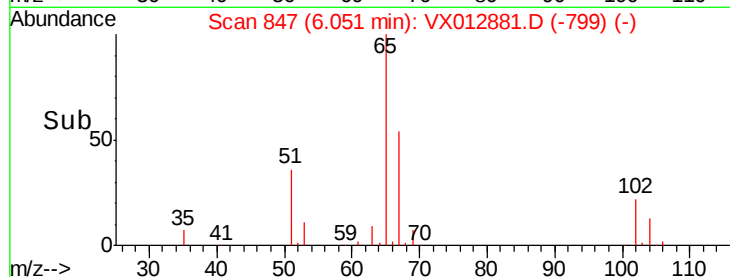
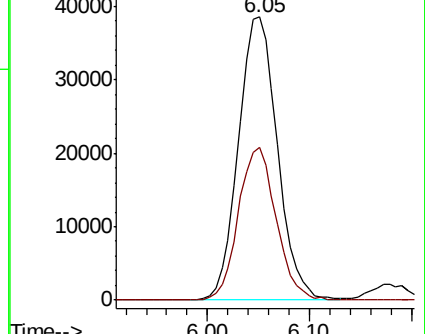
65 100

67 52.2 0.0 104.4



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# 978

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

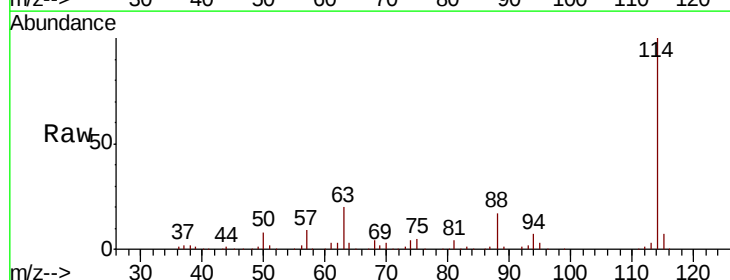
Tgt Ion: 114 Resp: 278811

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

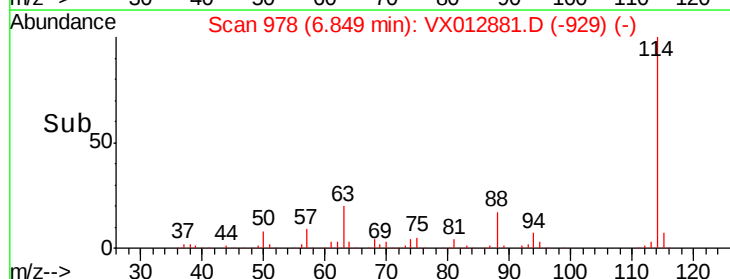
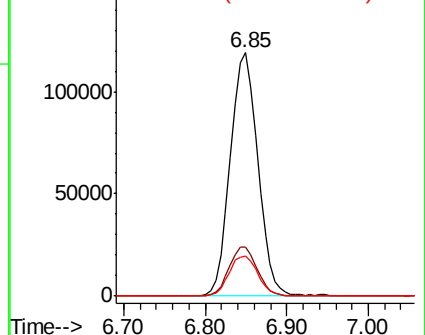
88 16.7 0.0 33.8

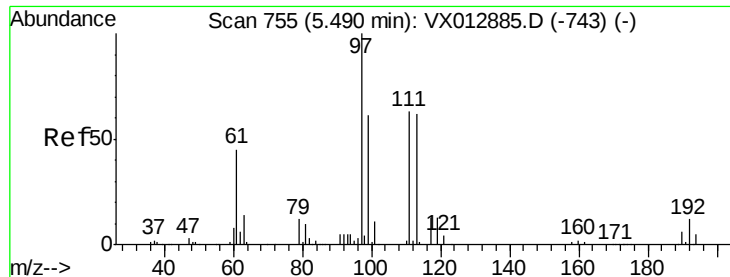


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

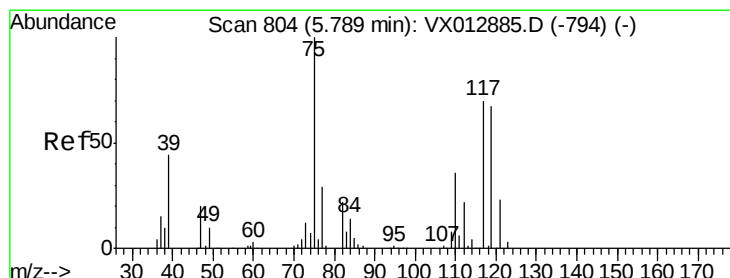
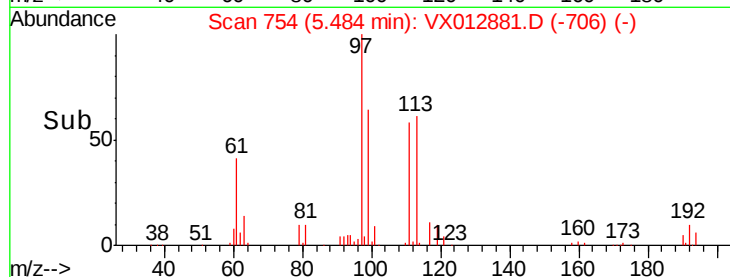
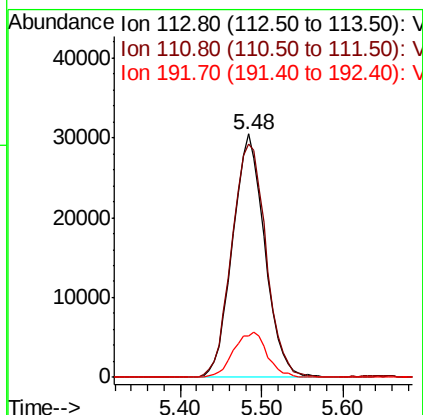
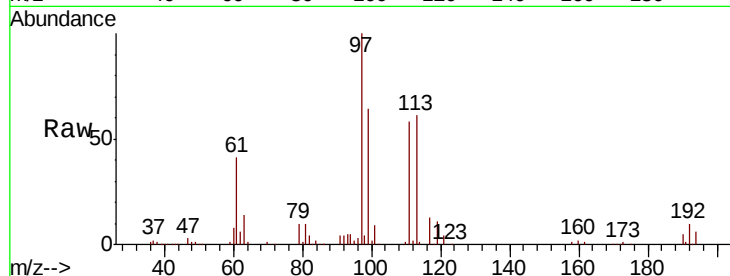




#35
 Dibromofluoromethane
 Concen: 49.723 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

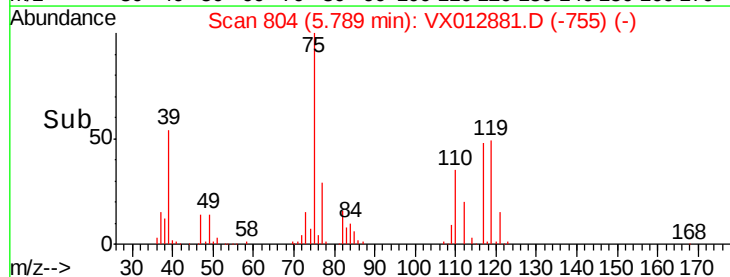
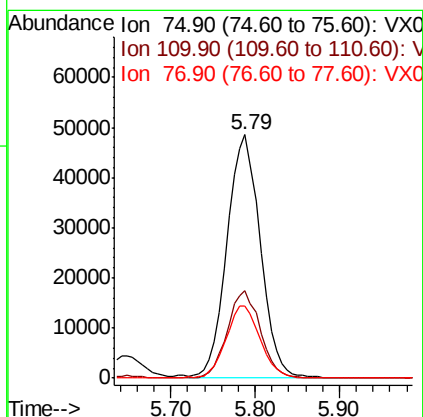
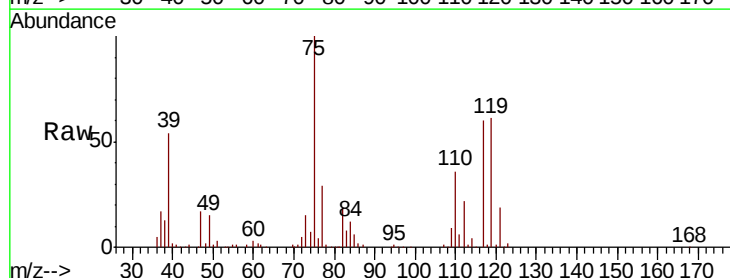
Instrument :
 MSVOA_X
 ClientSampleId :

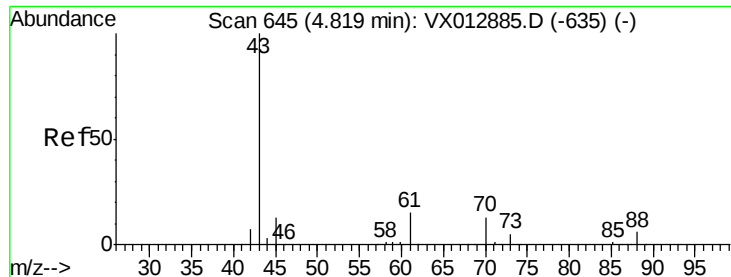
Tot Ion:113 Resp: 83052
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.2 124.8
 192 19.2 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 48.259 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion: 75 Resp: 130371
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.6 52.9
 77 30.4 24.4 36.6

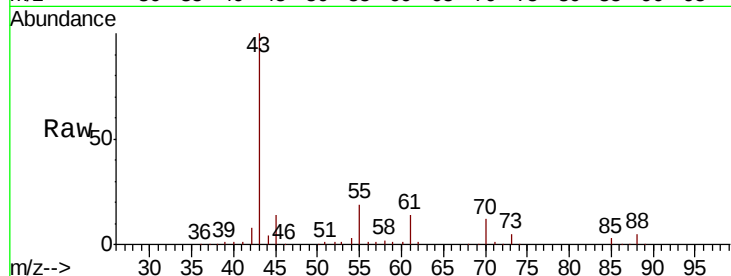




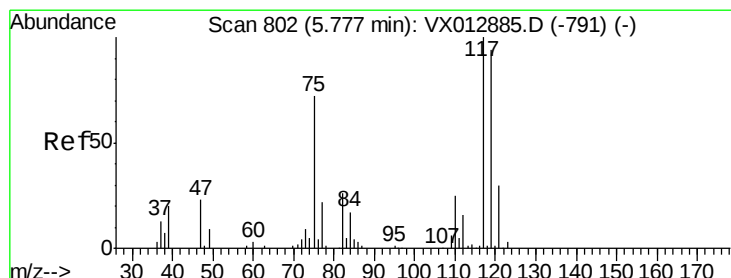
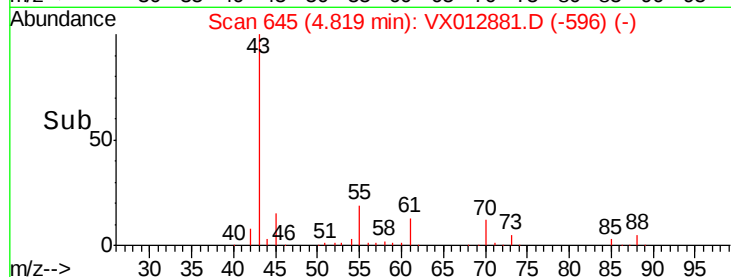
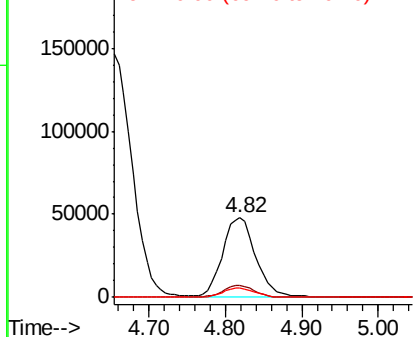
#37
Ethyl Acetate
Concen: 46.087 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 143742
Ion Ratio Lower Upper
43 100
61 14.8 11.4 17.0
70 11.8 9.8 14.6

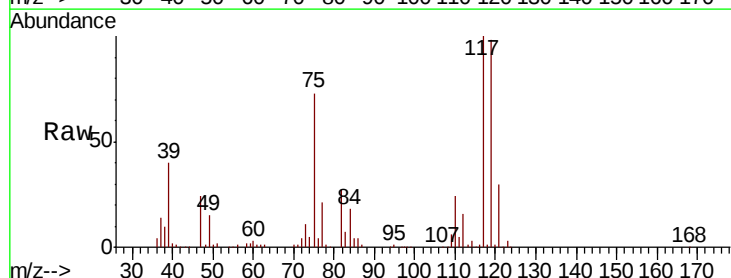


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

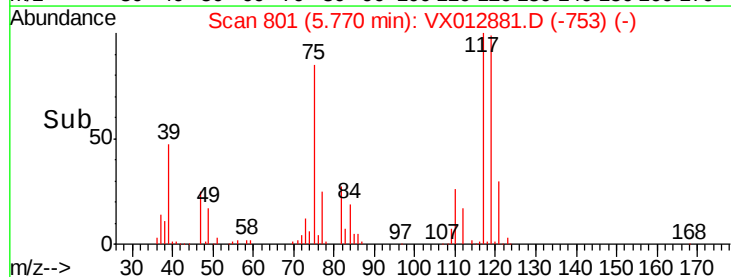
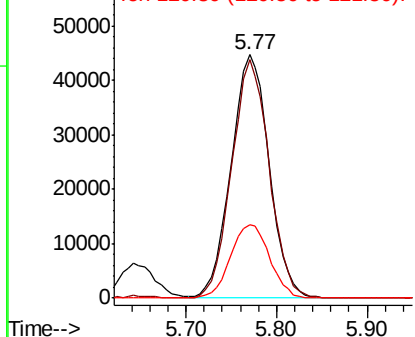


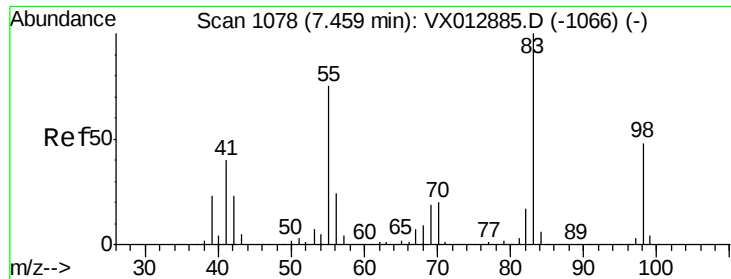
#38
Carbon Tetrachloride
Concen: 47.936 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 117 Resp: 130341
Ion Ratio Lower Upper
117 100
119 98.0 74.5 111.7
121 30.2 24.2 36.4



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

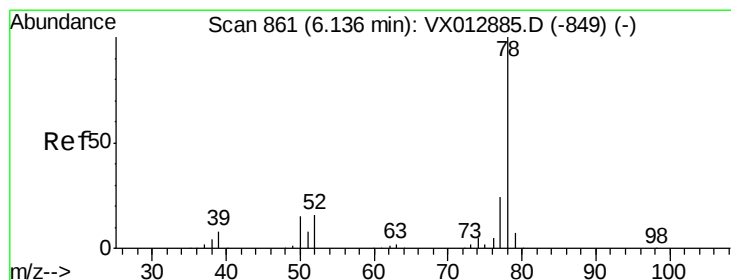
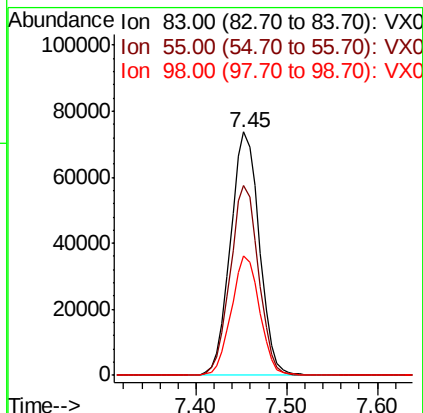
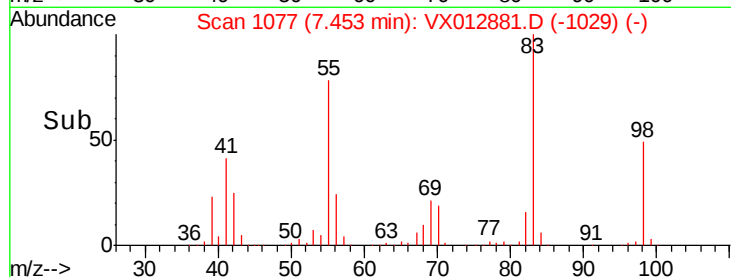
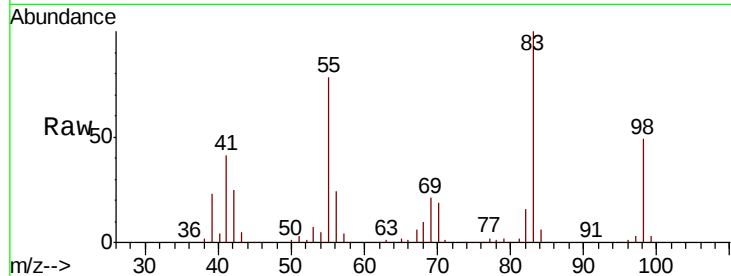




#39
Methvlcvclohexane
Concen: 49.907 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

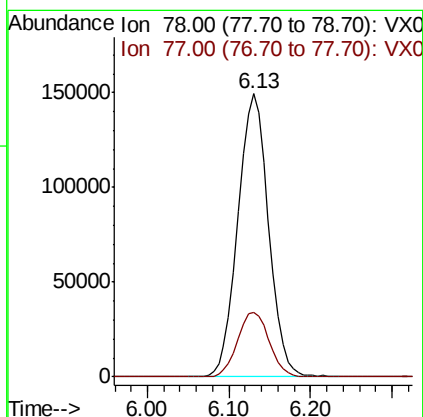
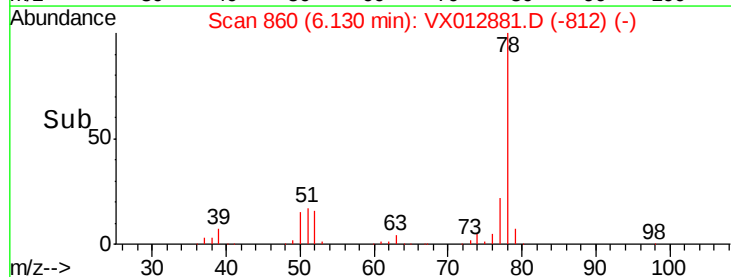
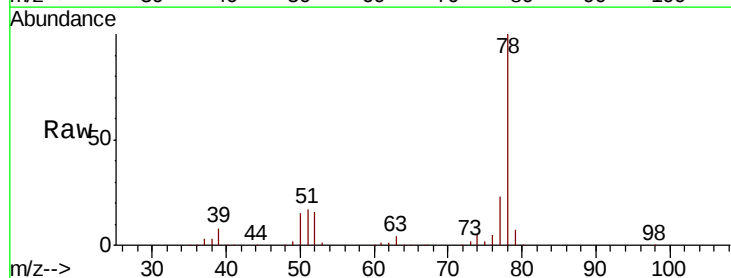
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 162950
Ion Ratio Lower Upper
83 100
55 77.8 60.2 90.4
98 48.9 38.5 57.7



#40
Benzene
Concen: 49.194 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 78 Resp: 389977
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.4





#41

Methacrylonitrile

Concen: 47.290 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 82428

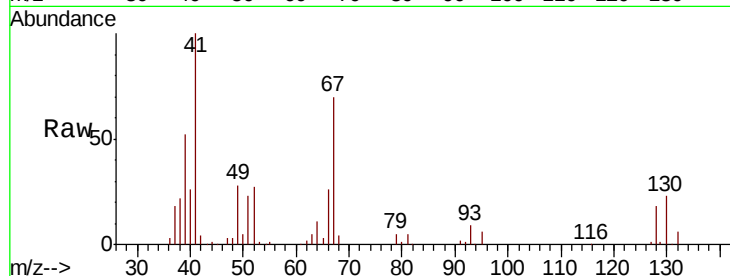
Ion Ratio Lower Upper

41 100

39 53.9 44.0 66.0

67 71.4 58.5 87.7

52 28.4 23.8 35.8

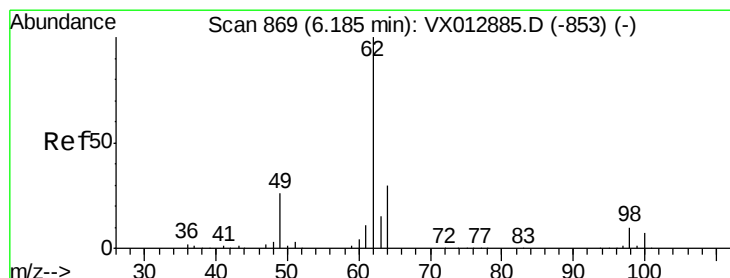
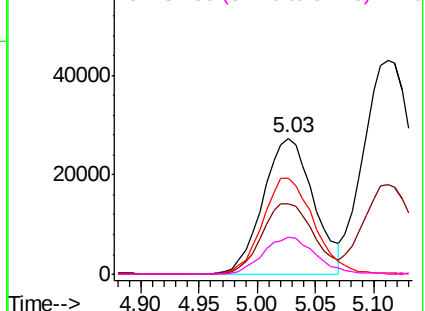
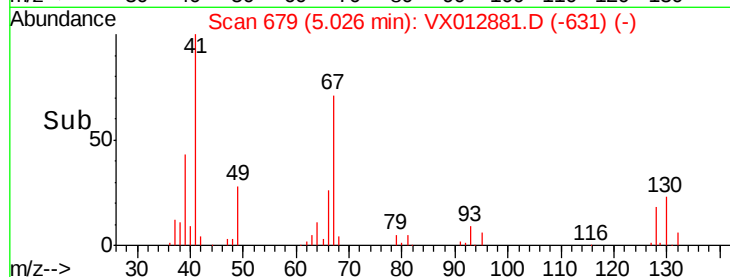


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.580 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012881.D

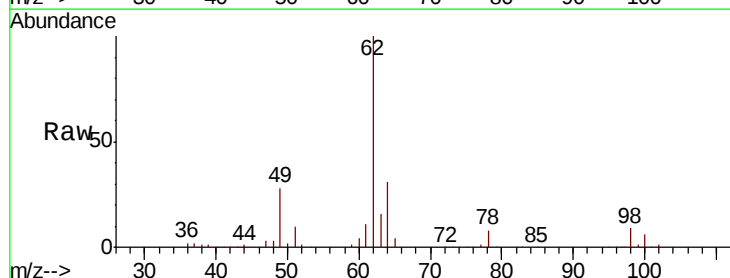
Acq: 08 Oct 2019 10:31

Tgt Ion: 62 Resp: 141978

Ion Ratio Lower Upper

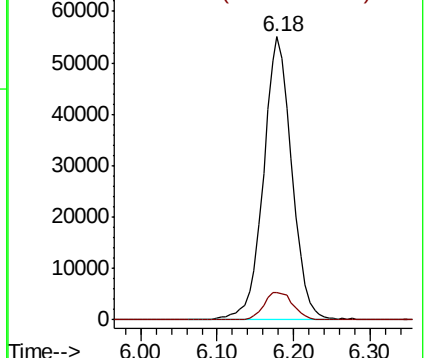
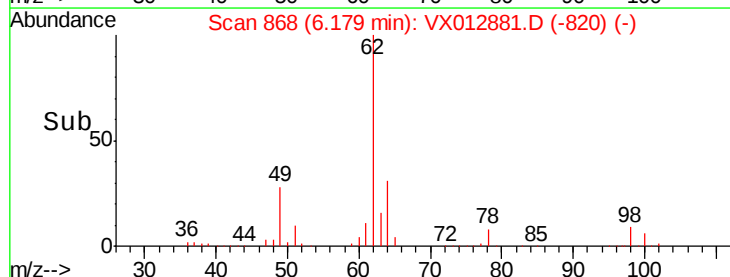
62 100

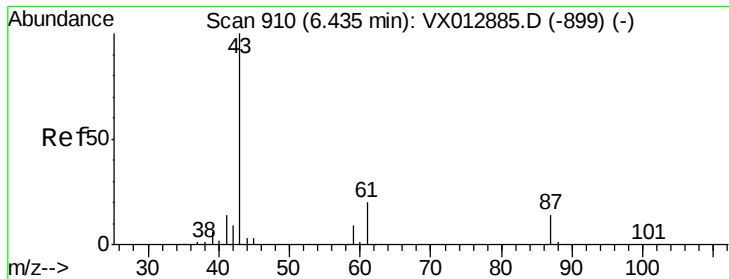
98 10.1 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



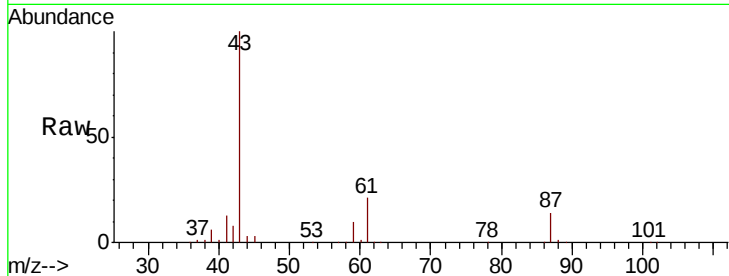


#43

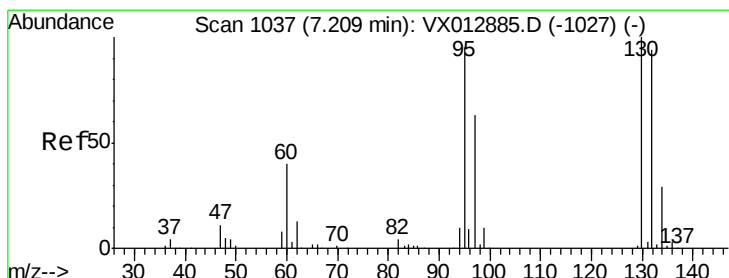
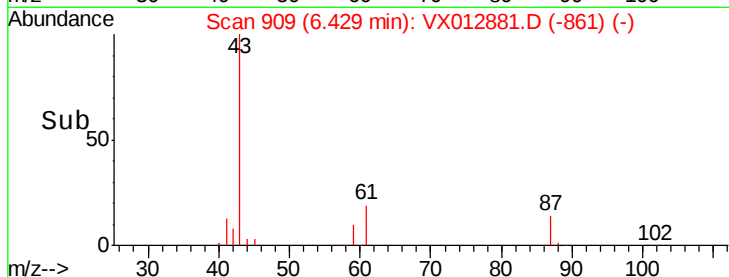
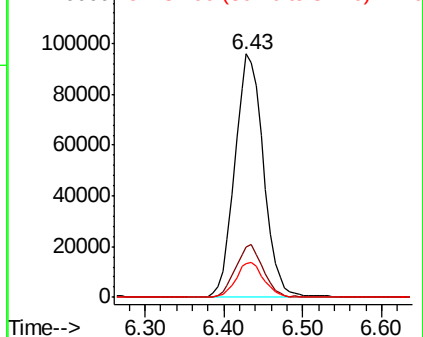
Isopropyl Acetate
 Concen: 46.303 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 240981
 Ion Ratio Lower Upper
 43 100
 61 21.0 16.6 24.8
 87 14.0 11.0 16.6



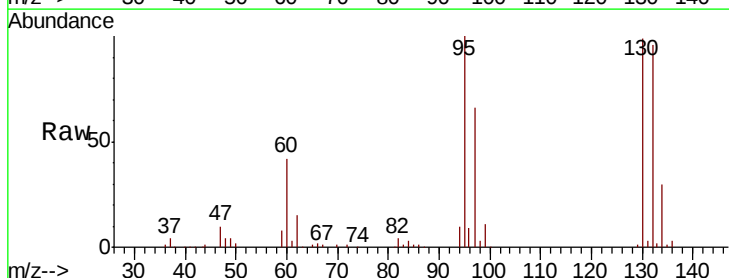
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



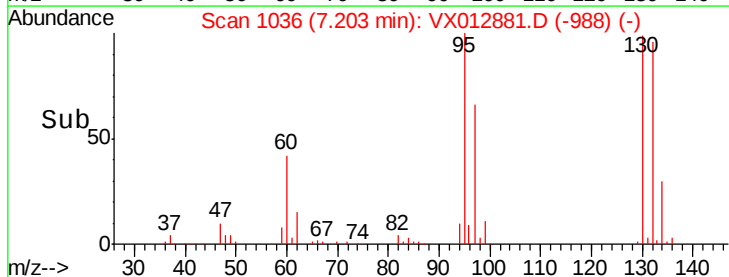
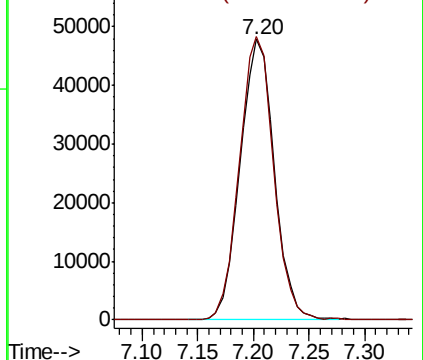
#44

Trichloroethene
 Concen: 50.065 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion:130 Resp: 102180
 Ion Ratio Lower Upper
 130 100
 95 100.9 0.0 189.2



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





#45

1,2-Dichloropropane

Concen: 50.421 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

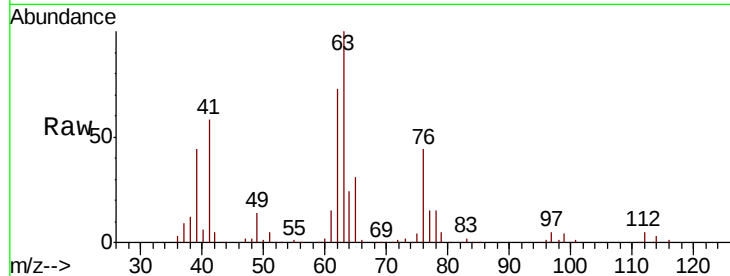
ClientSampleId :

Tot Ion: 63 Resp: 102321

Ion Ratio Lower Upper

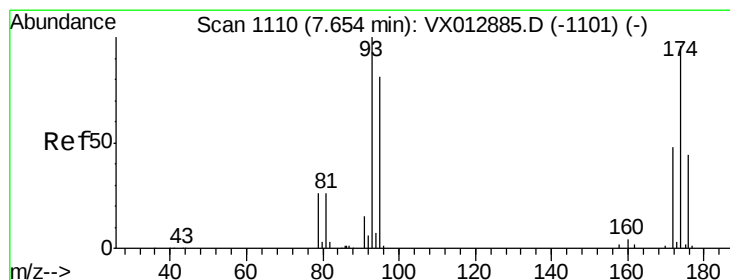
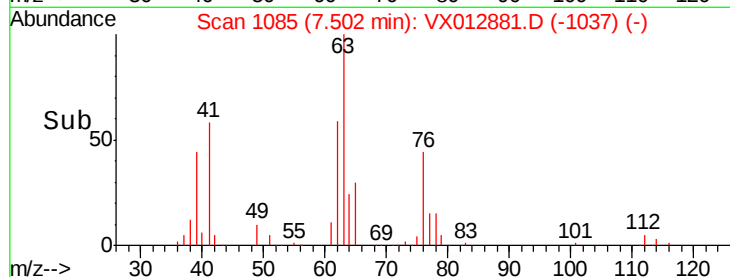
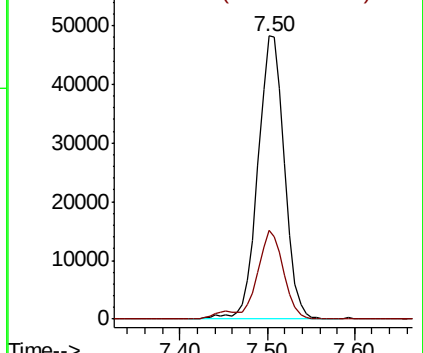
63 100

65 31.3 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.992 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

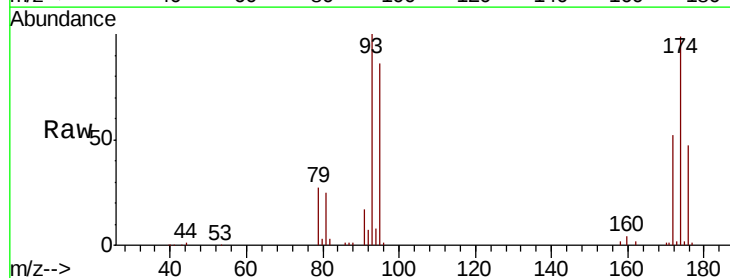
Tgt Ion: 93 Resp: 67595

Ion Ratio Lower Upper

93 100

95 83.6 66.3 99.5

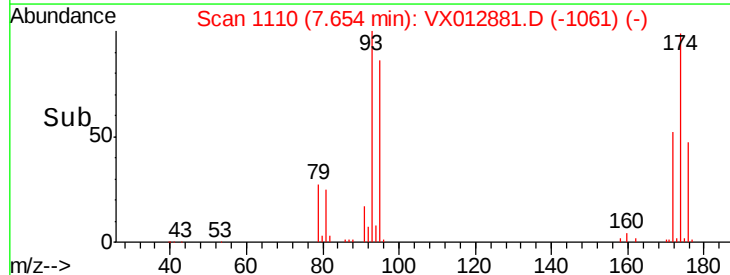
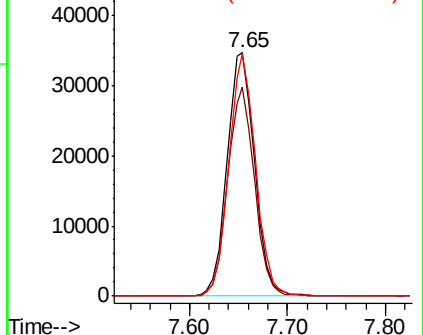
174 96.5 77.8 116.6

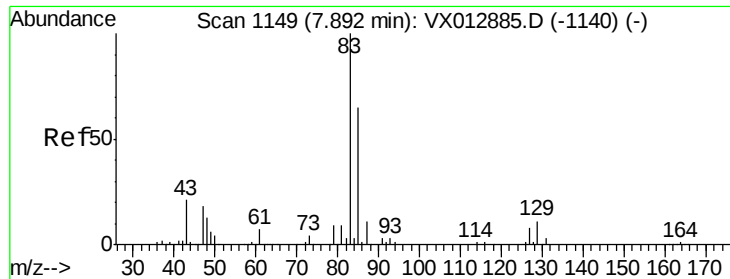


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.640 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

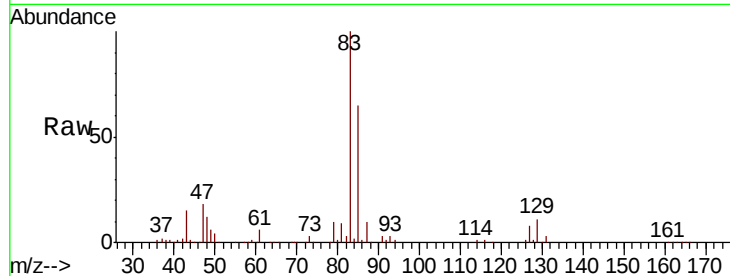
Tot Ion: 83 Resp: 138947

Ion Ratio Lower Upper

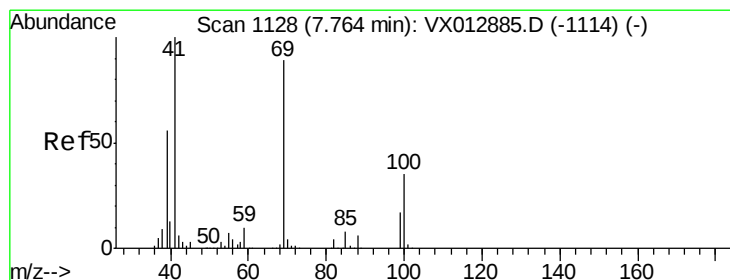
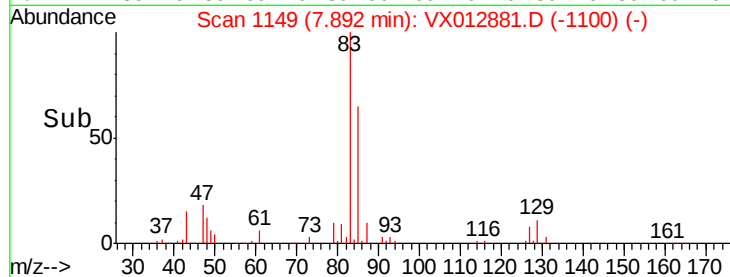
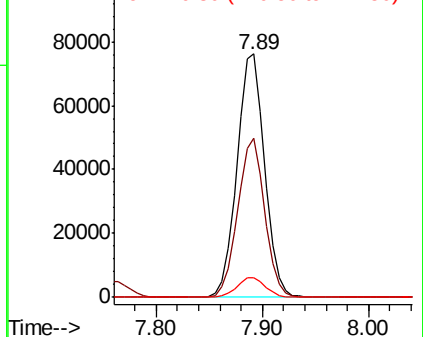
83 100

85 65.4 52.4 78.6

127 8.2 6.6 10.0



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: 47.639 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

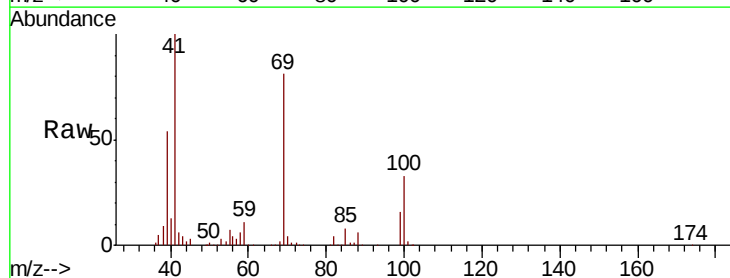
Tgt Ion: 41 Resp: 118758

Ion Ratio Lower Upper

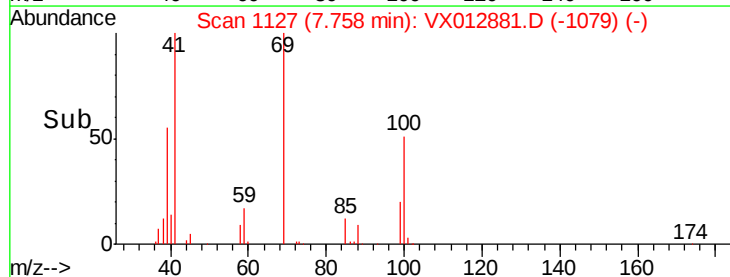
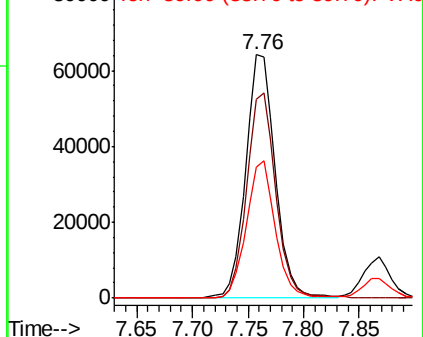
41 100

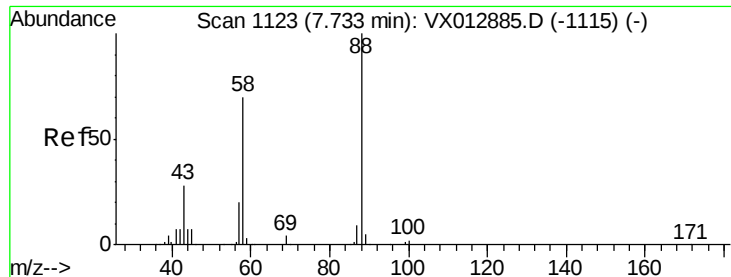
69 83.0 68.7 103.1

39 55.1 44.3 66.5



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: 883.515 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

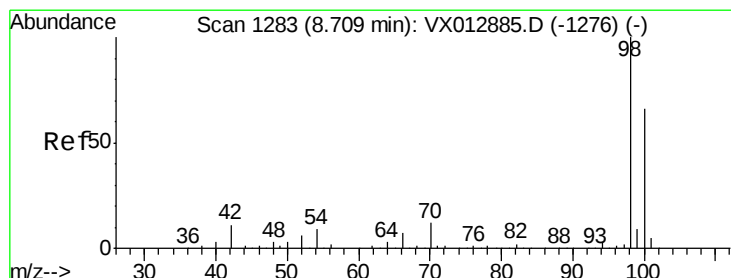
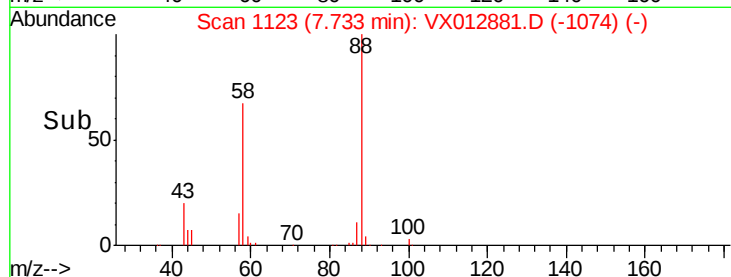
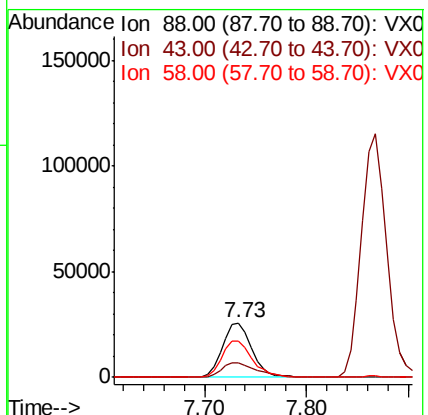
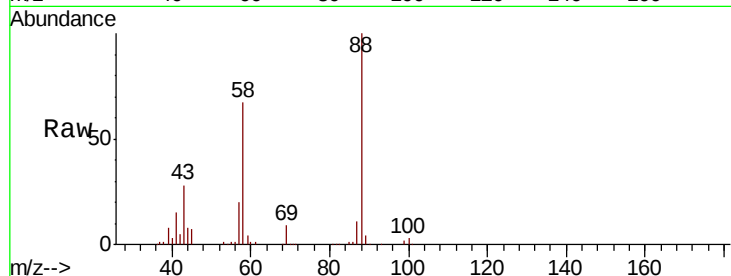
Tot Ion: 88 Resp: 50617

Ion Ratio Lower Upper

88 100

43 32.5 25.0 37.6

58 70.1 55.4 83.2



#50

Toluene-d8

Concen: 47.550 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012881.D

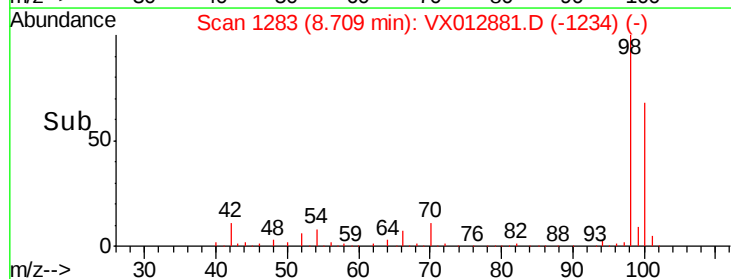
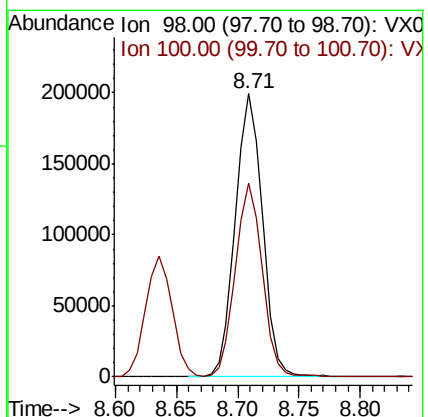
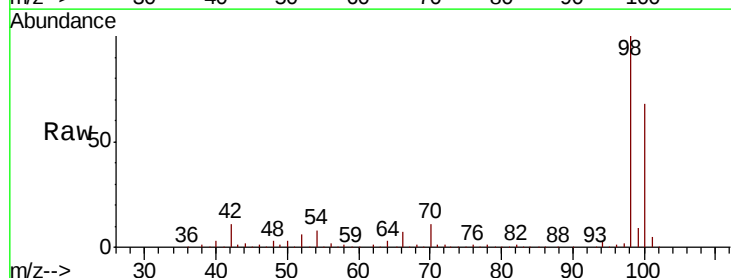
Acq: 08 Oct 2019 10:31

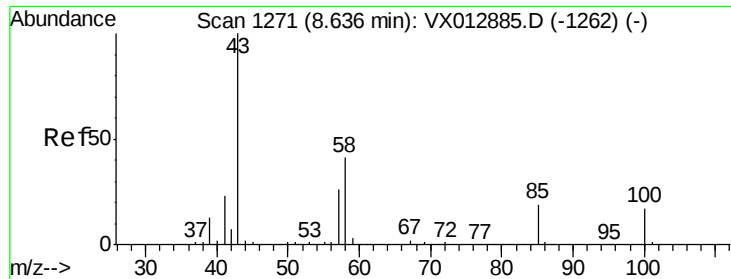
Tgt Ion: 98 Resp: 306718

Ion Ratio Lower Upper

98 100

100 67.5 53.4 80.2

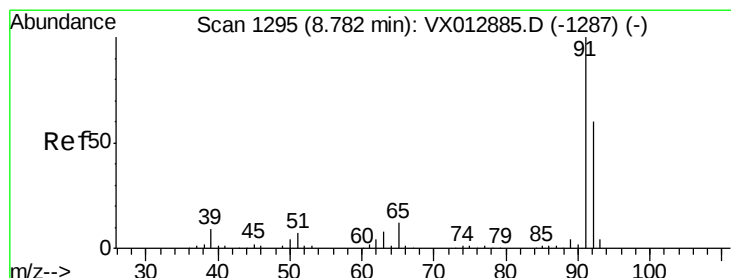
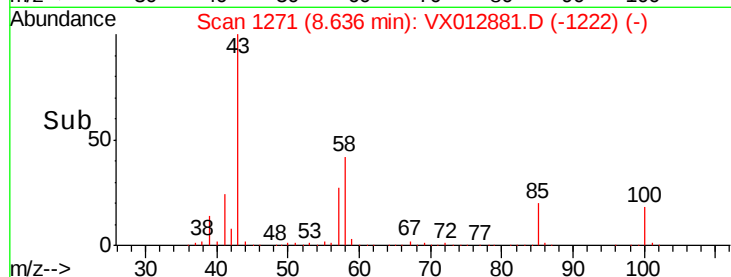
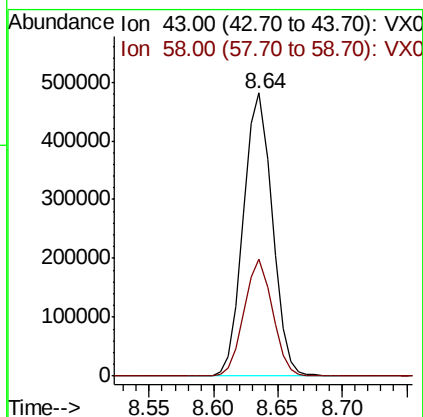
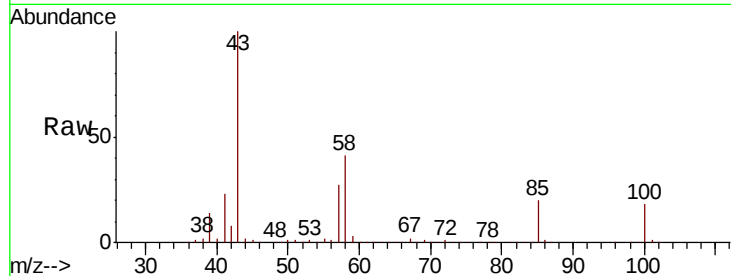




#51
 4-Methyl-2-Pentanone
 Concen: 232.849 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

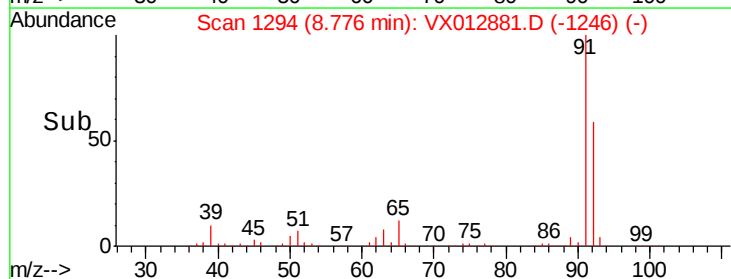
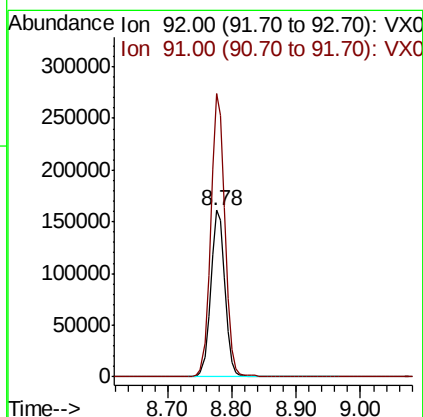
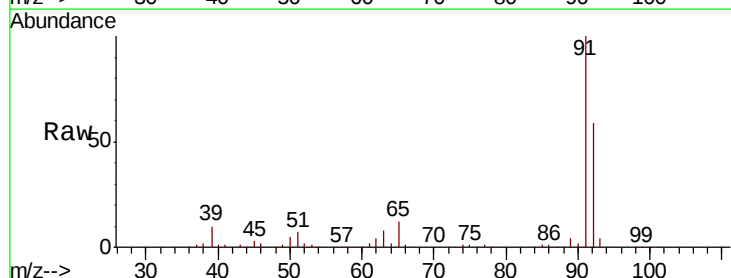
Instrument :
 MSVOA_X
 ClientSampleId :

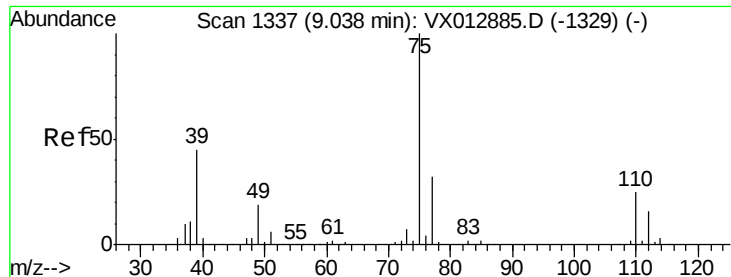
Tot Ion: 43 Resp: 748142
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6



#52
 Toluene
 Concen: 50.261 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion: 92 Resp: 250298
 Ion Ratio Lower Upper
 92 100
 91 169.7 135.9 203.9

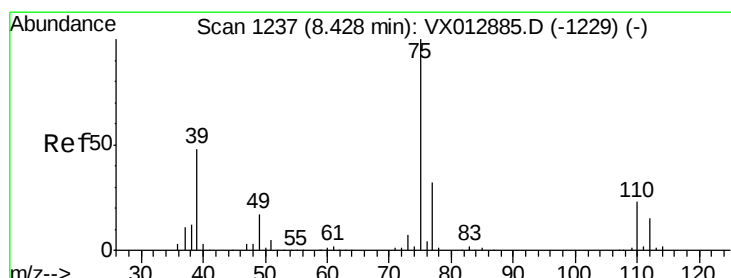
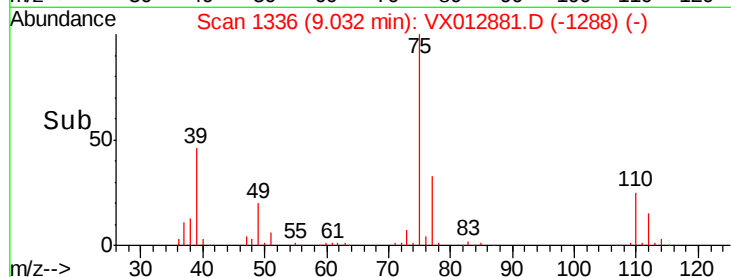
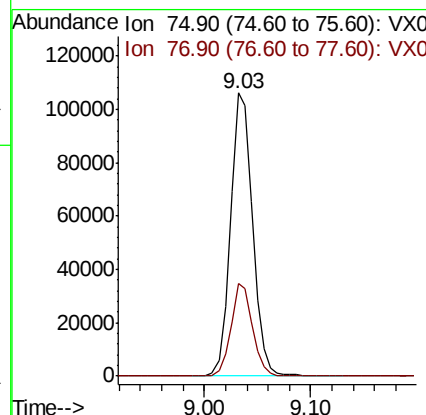
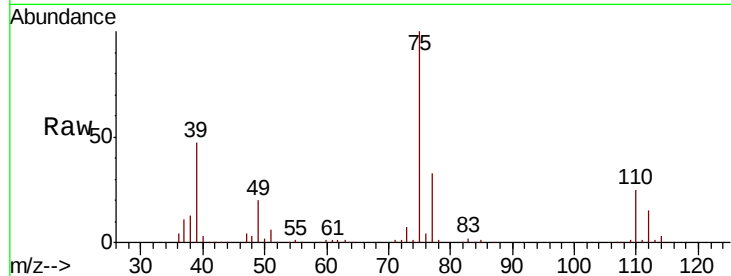




#53
t-1,3-Dichloropropene
Concen: 50.668 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

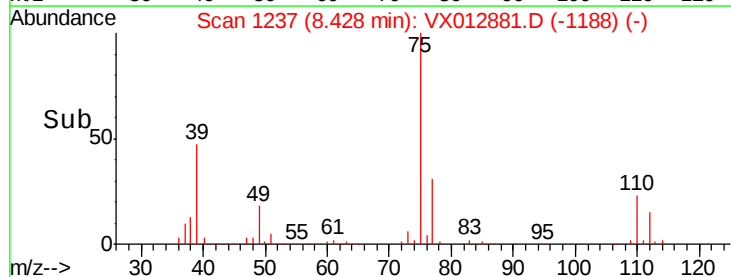
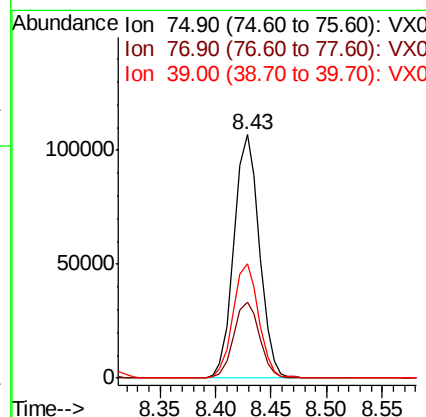
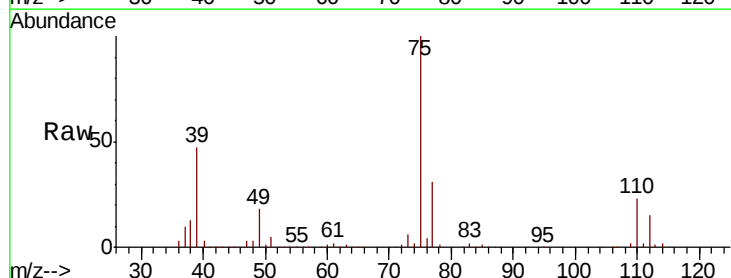
Instrument :
MSVOA_X
ClientSampleId :

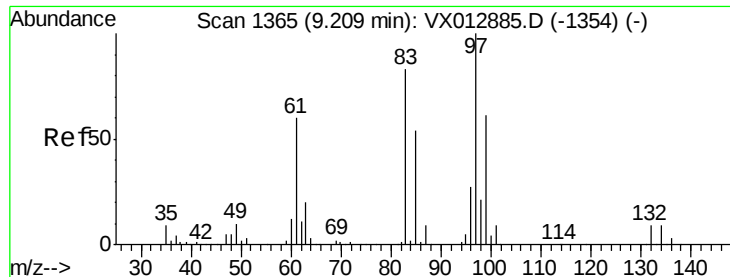
Tot Ion: 75 Resp: 153967
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 51.109 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 75 Resp: 169816
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.8
39 46.6 38.2 57.2

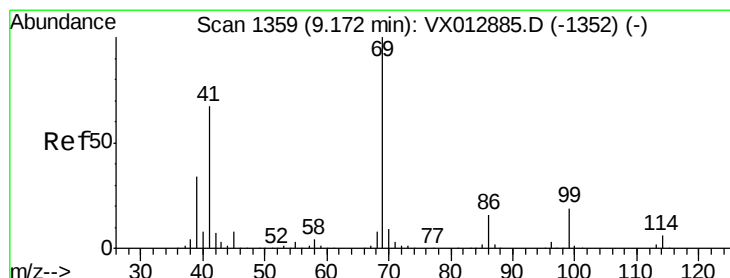
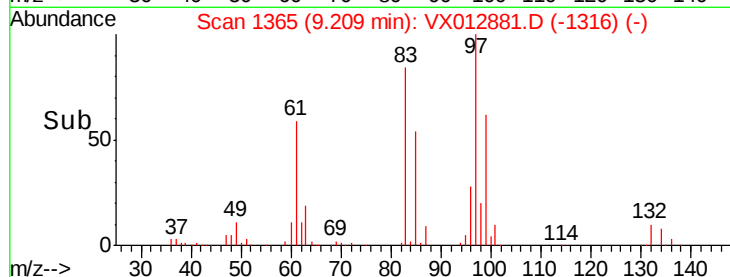
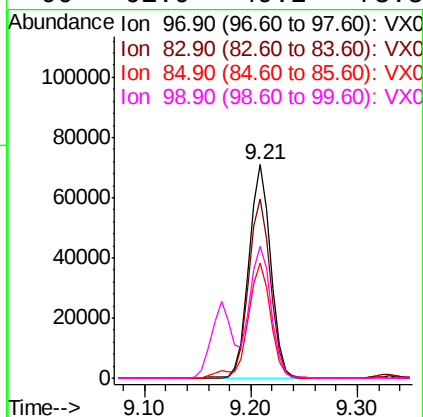
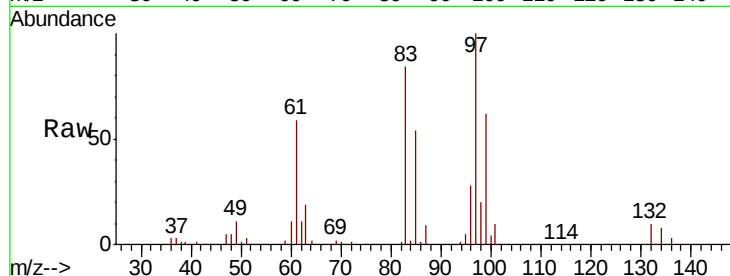




#55
1,1,2-Trichloroethane
Concen: 51.922 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

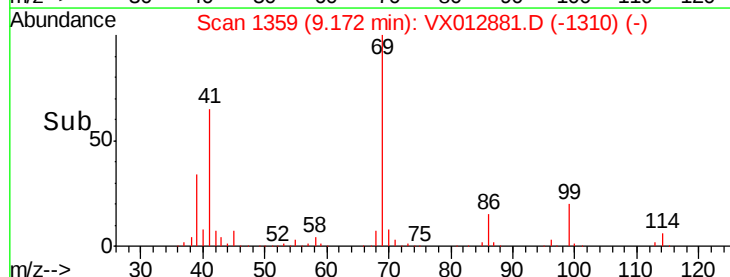
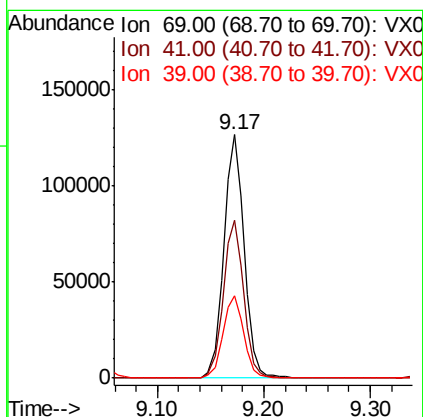
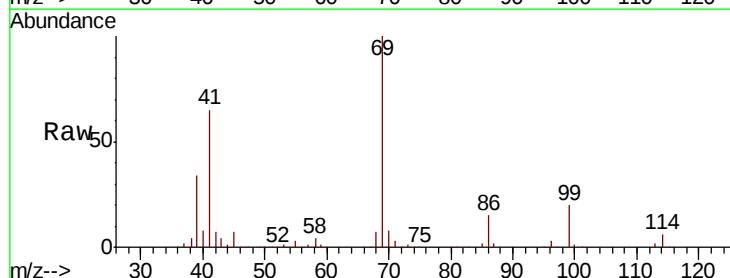
Instrument :
MSVOA_X
ClientSampleId :

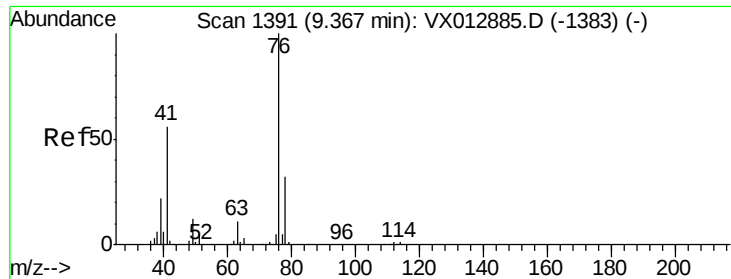
Tot Ion:	97	Resp:	102778
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.5	99.7
85	54.1	43.1	64.7
99	61.9	49.2	73.8



#56
Ethyl methacrylate
Concen: 51.124 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion:	69	Resp:	169554
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.1	78.1
39	34.5	27.8	41.8





#57

1,3-Dichloropropane

Concen: 50.168 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

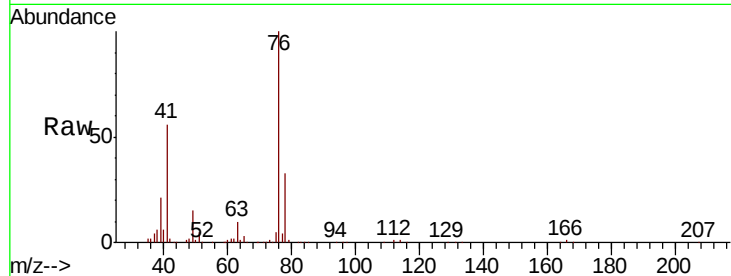
ClientSampleId :

Tot Ion: 76 Resp: 173688

Ion Ratio Lower Upper

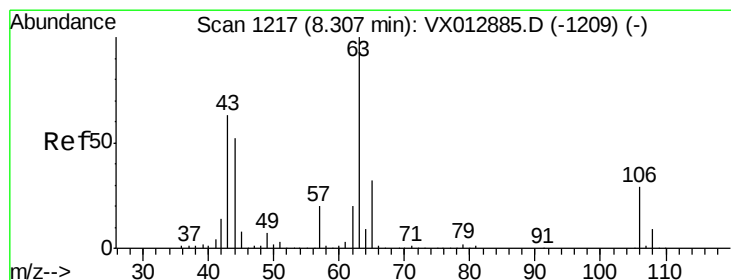
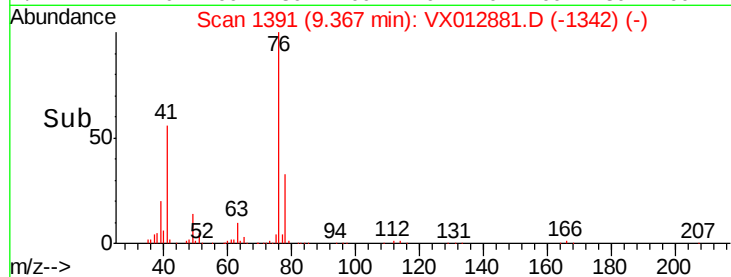
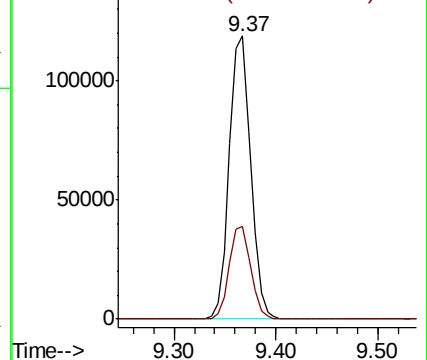
76 100

78 32.9 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 266.876 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012881.D

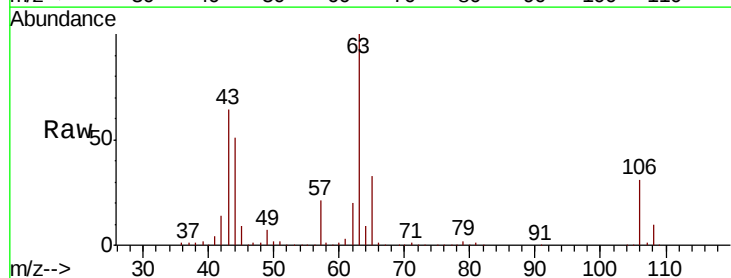
Acq: 08 Oct 2019 10:31

Tgt Ion: 63 Resp: 394746

Ion Ratio Lower Upper

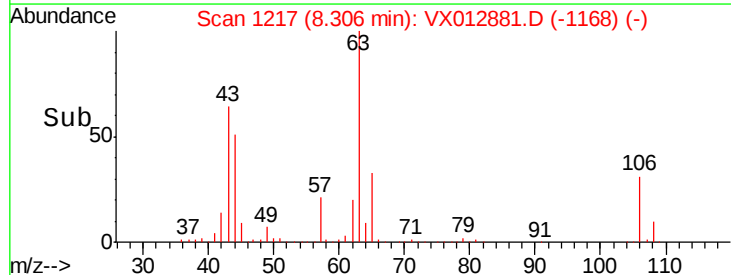
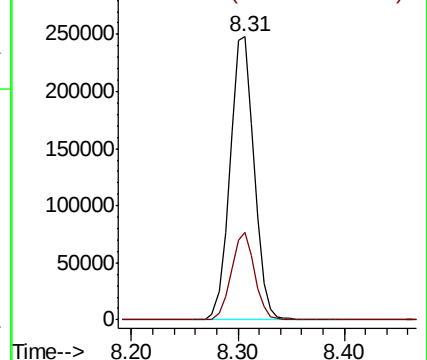
63 100

106 29.9 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

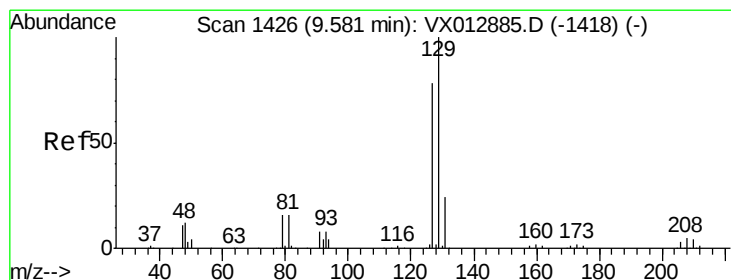
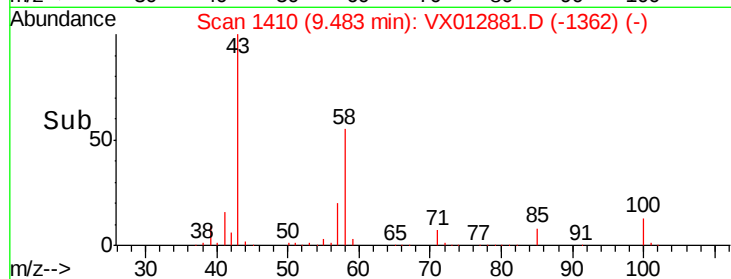
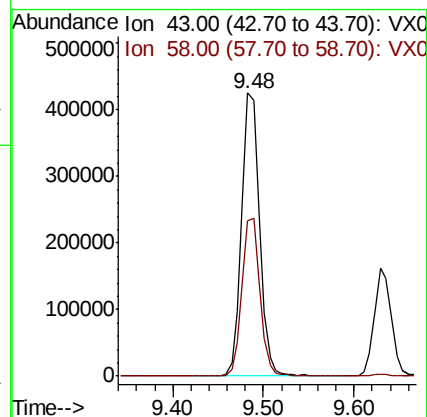
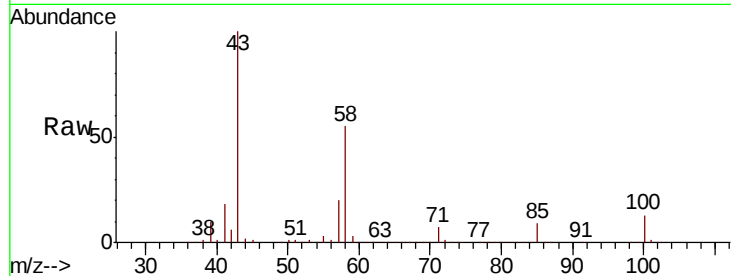




#59
2-Hexanone
Concen: 242.483 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

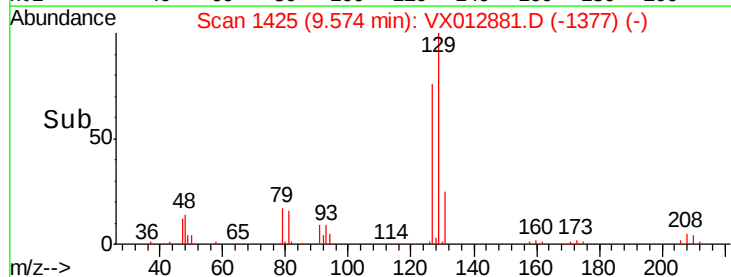
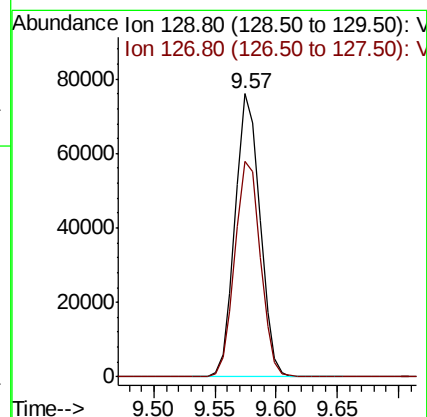
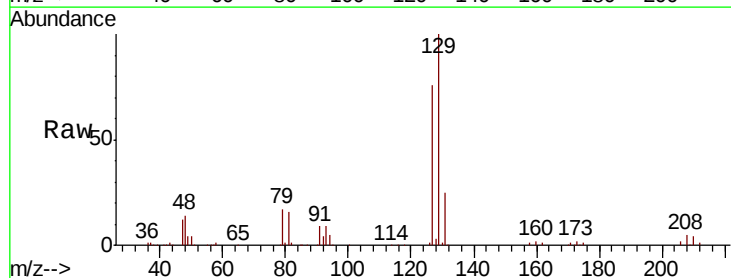
Instrument :
MSVOA_X
ClientSampleId :

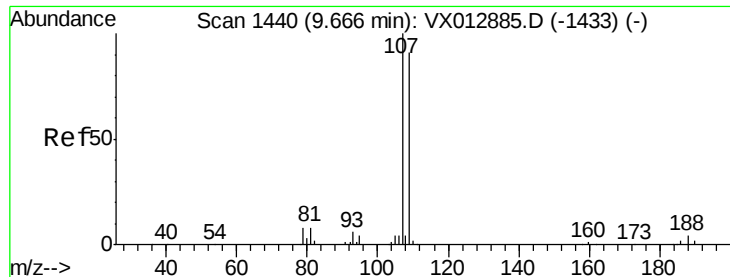
Tot Ion: 43 Resp: 595127
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3



#60
Dibromochloromethane
Concen: 53.287 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 129 Resp: 106877
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.662 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

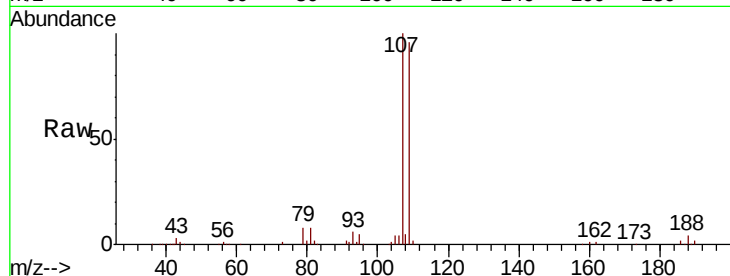
ClientSampleId :

Tot Ion:107 Resp: 106439

Ion Ratio Lower Upper

107 100

109 92.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

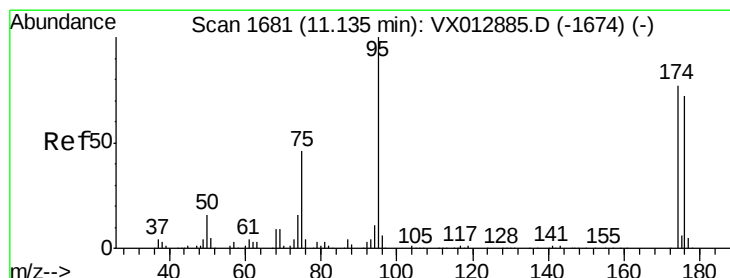
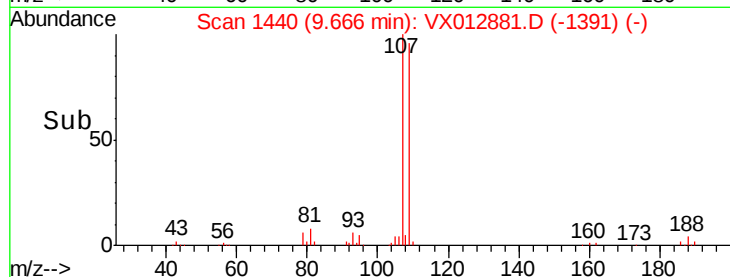
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 49.519 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

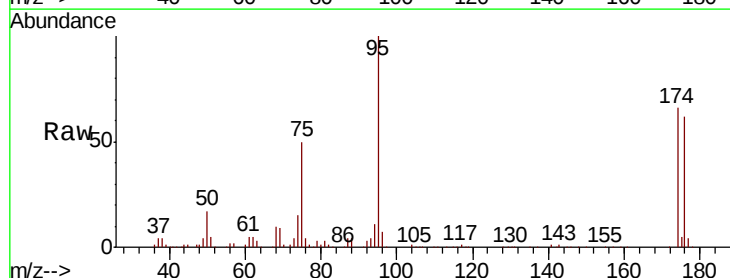
Tgt Ion: 95 Resp: 125541

Ion Ratio Lower Upper

95 100

174 71.1 0.0 143.4

176 68.7 0.0 136.0



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

120000

100000

80000

60000

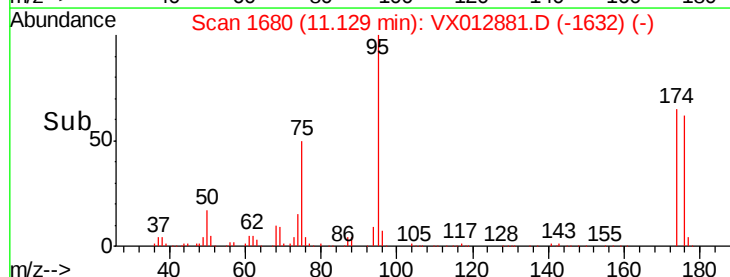
40000

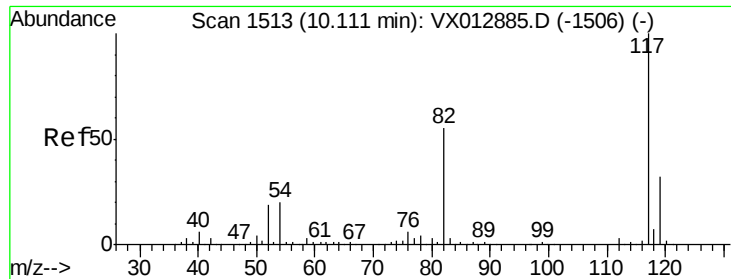
20000

0

11.05 11.10 11.15 11.20

Time-->

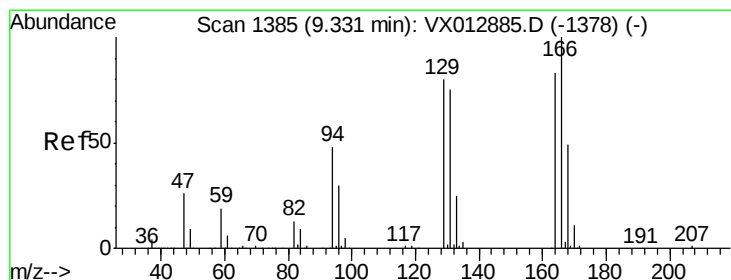
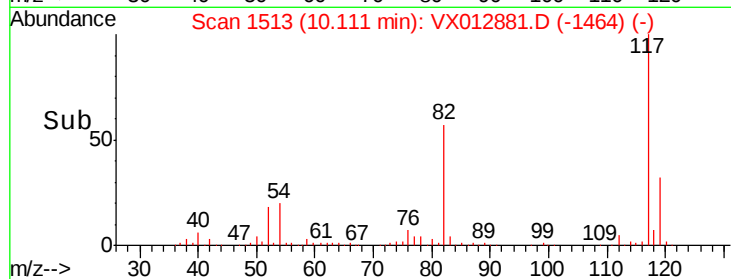
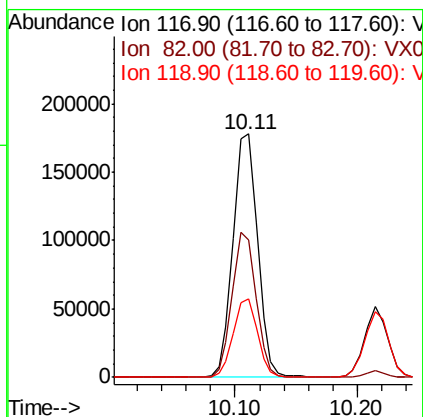
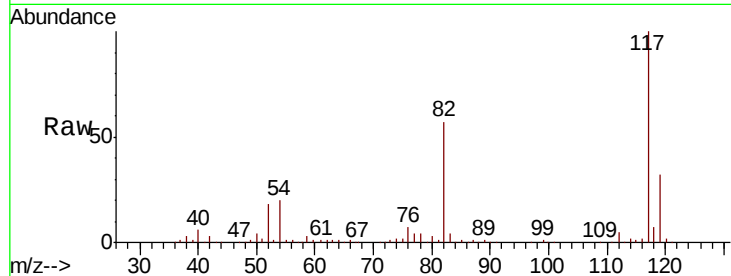




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

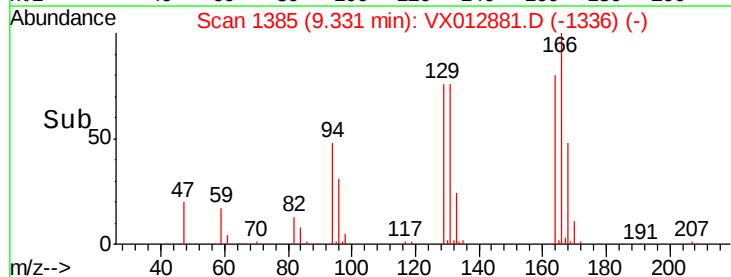
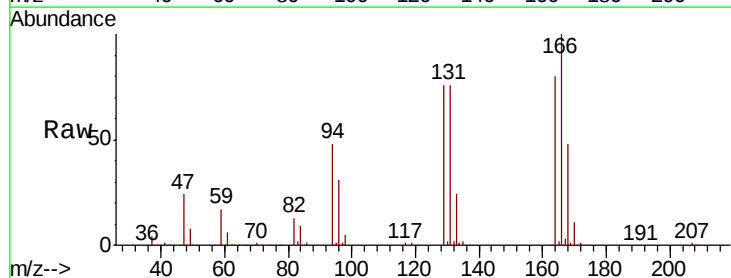
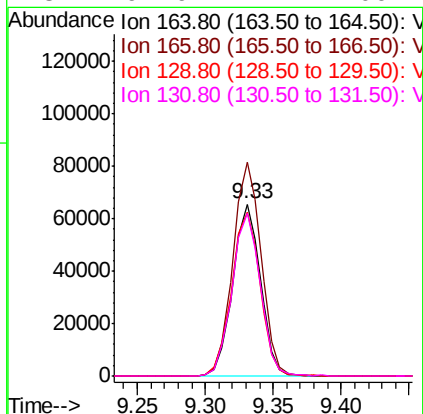
Instrument :
MSVOA_X
ClientSampleId :

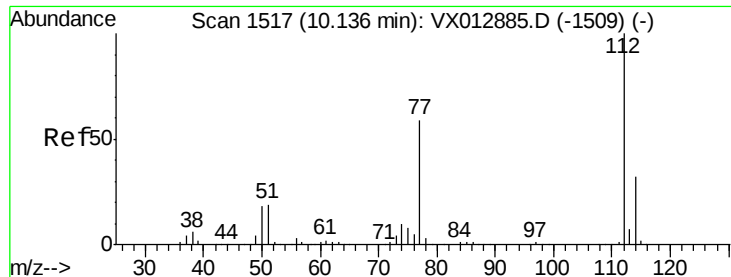
Tot Ion:117 Resp: 247739
Ion Ratio Lower Upper
117 100
82 56.5 44.1 66.1
119 32.5 25.8 38.8



#64
Tetrachloroethene
Concen: 53.099 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion:164 Resp: 93005
Ion Ratio Lower Upper
164 100
166 124.4 96.9 145.3
129 95.2 77.9 116.9
131 94.9 72.7 109.1

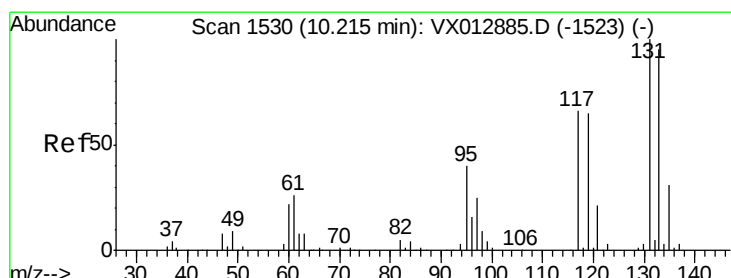
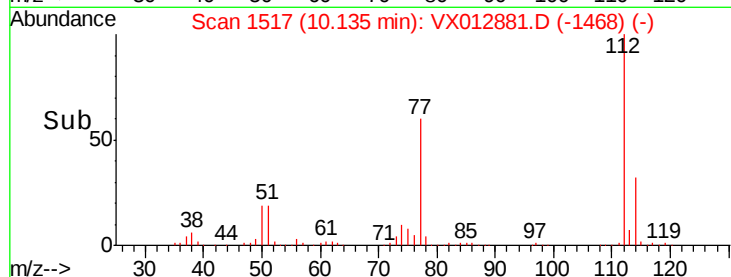
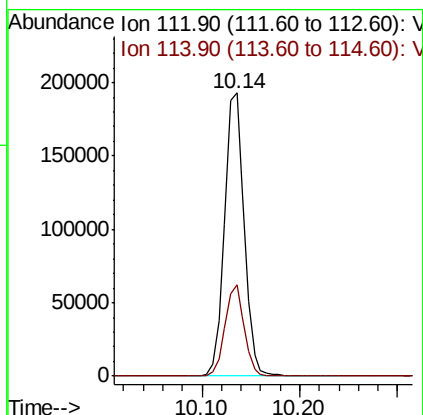
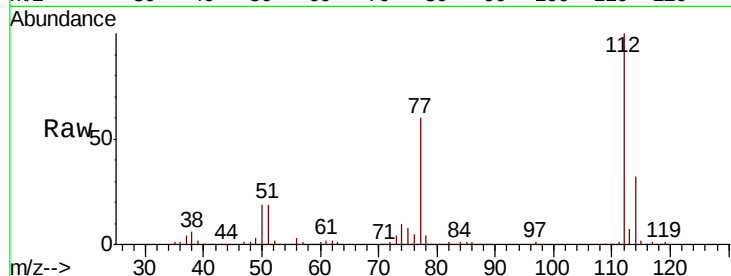




#65
Chlorobenzene
Concen: 51.339 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

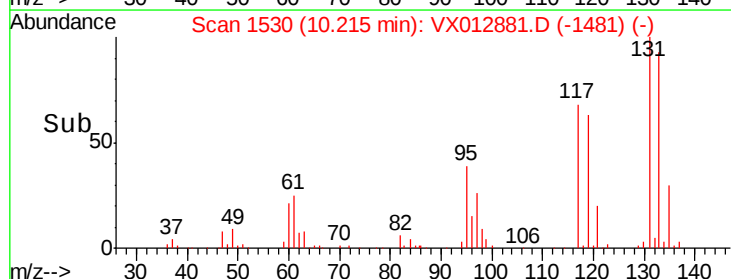
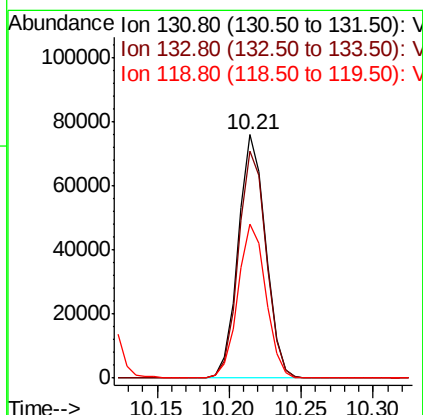
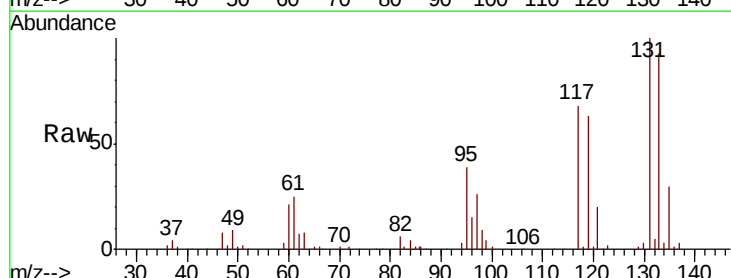
Instrument :
MSVOA_X
ClientSampleId :

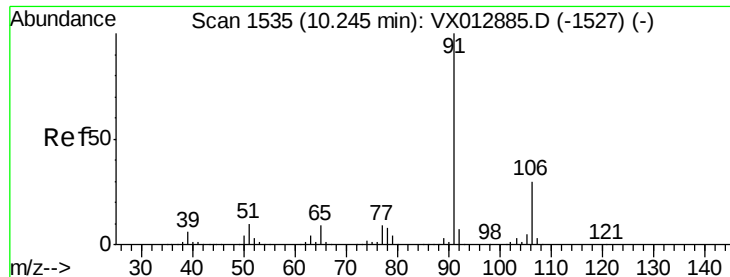
Tot Ion:112 Resp: 268517
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 53.060 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion:131 Resp: 100523
Ion Ratio Lower Upper
131 100
133 94.4 47.2 141.6
119 64.5 32.6 98.0

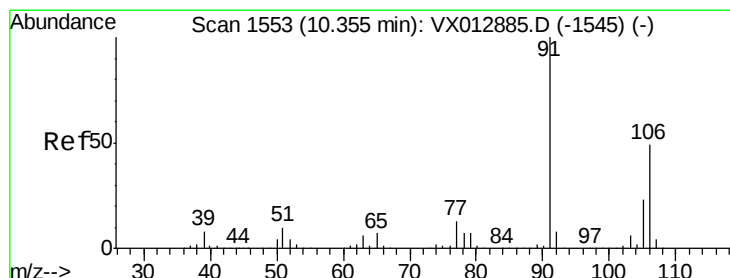
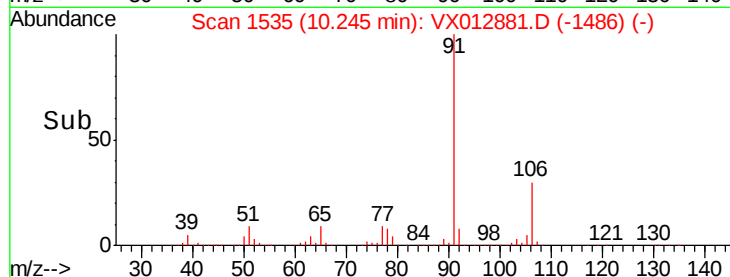
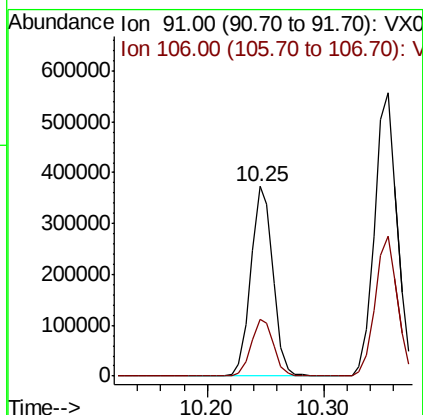
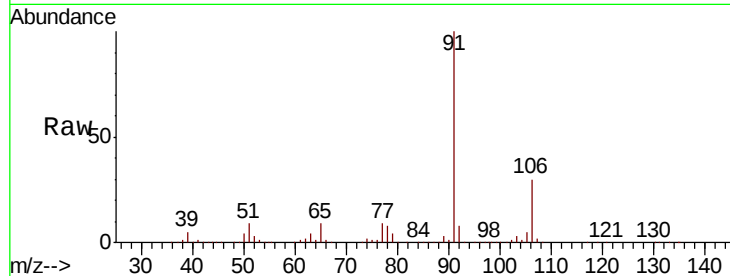




#67
Ethyl Benzene
Concen: 52.050 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

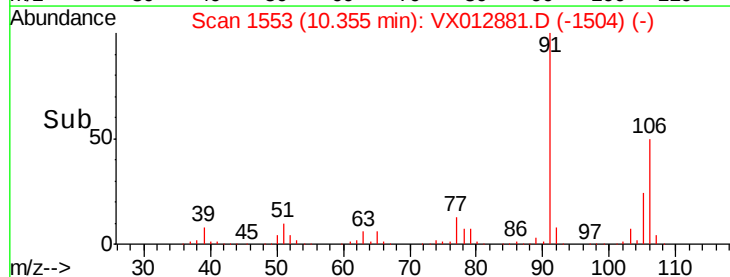
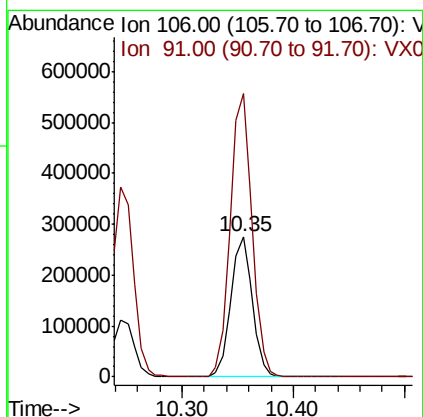
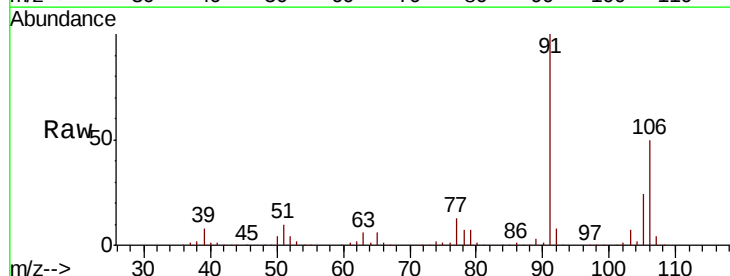
Instrument :
MSVOA_X
ClientSampleId :

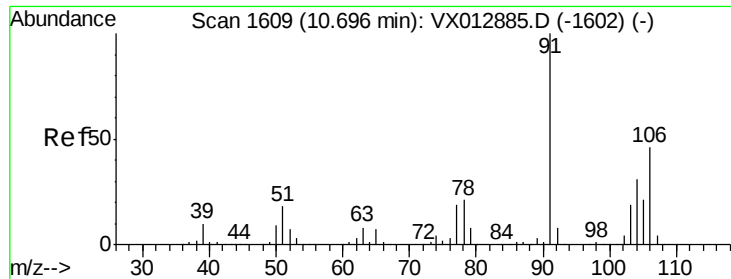
Tot Ion: 91 Resp: 493576
Ion Ratio Lower Upper
91 100
106 30.1 23.9 35.9



#68
m/p-Xylenes
Concen: 103.436 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 106 Resp: 367118
Ion Ratio Lower Upper
106 100
91 205.0 165.3 247.9

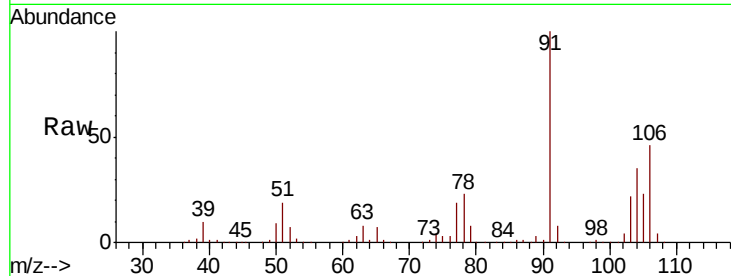




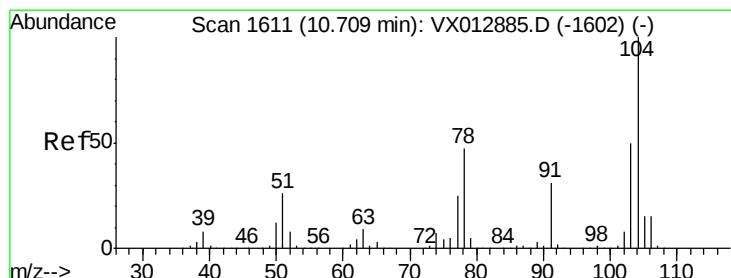
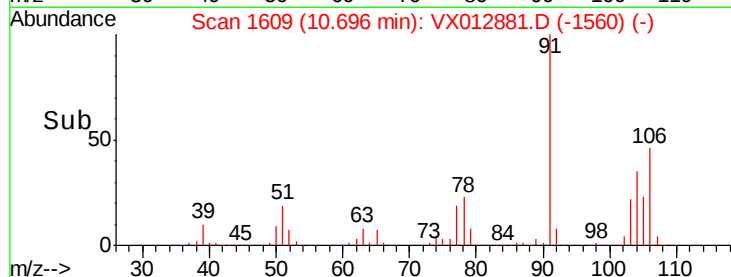
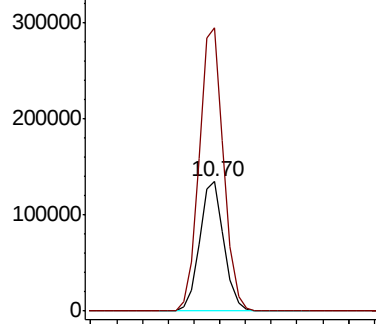
#69
o-Xylene
Concen: 51.722 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 177894
Ion Ratio Lower Upper
106 100
91 219.5 109.1 327.3

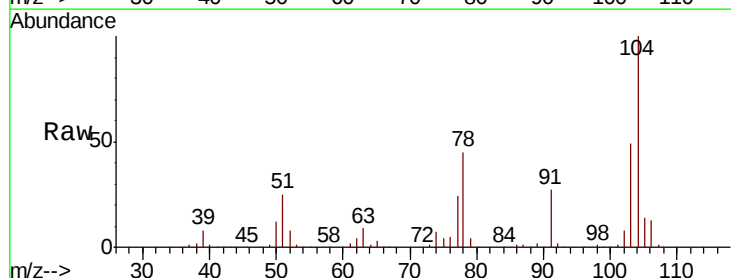


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

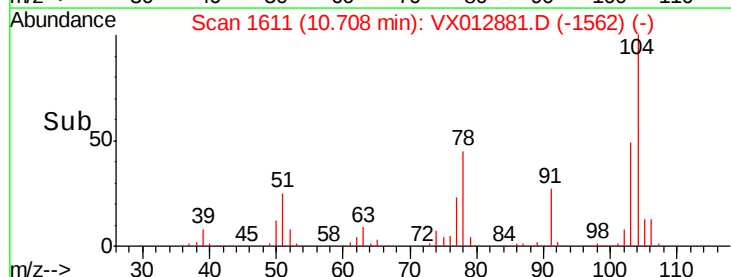
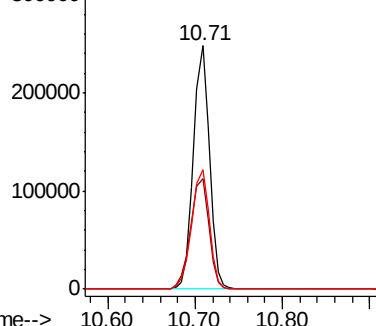


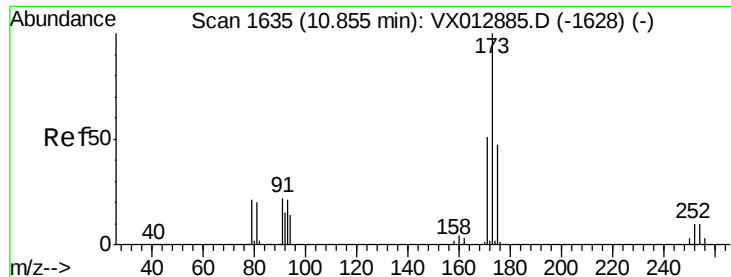
#70
Styrene
Concen: 54.538 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion:104 Resp: 314753
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 54.2 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 55.869 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

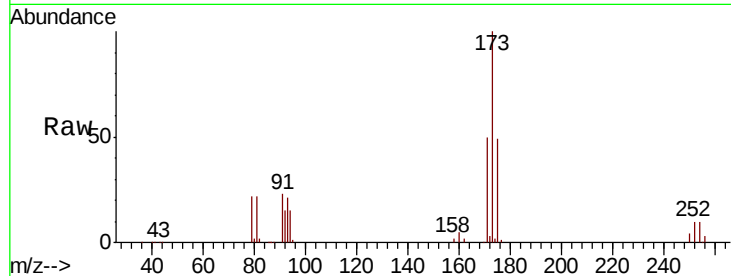
Tot Ion:173 Resp: 74141

Ion Ratio Lower Upper

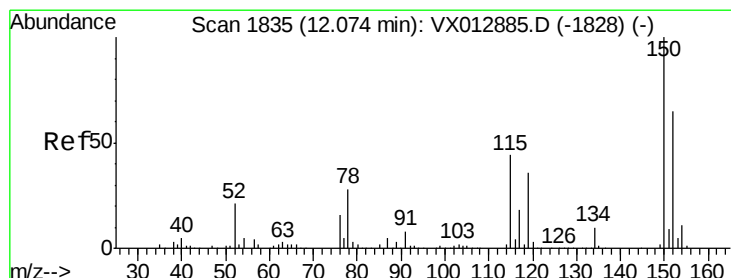
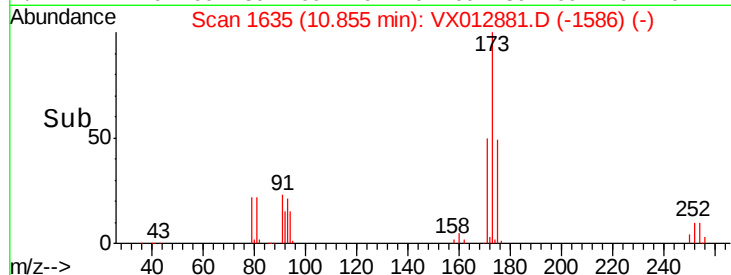
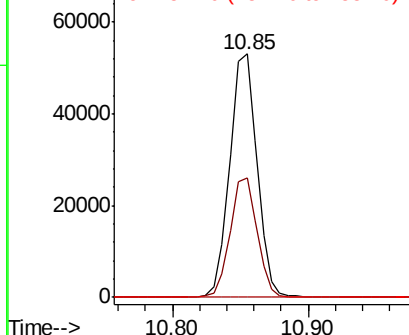
173 100

175 48.5 24.1 72.3

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

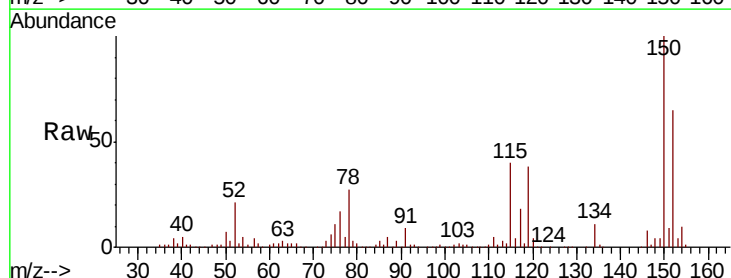
Tgt Ion:152 Resp: 123351

Ion Ratio Lower Upper

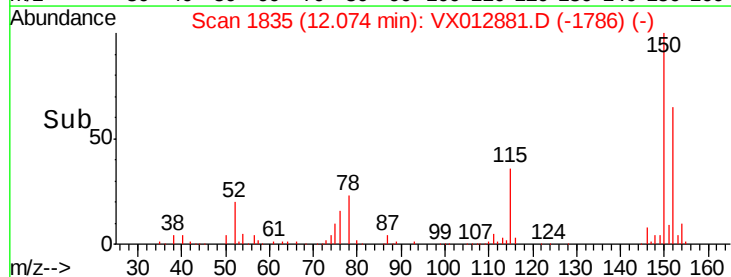
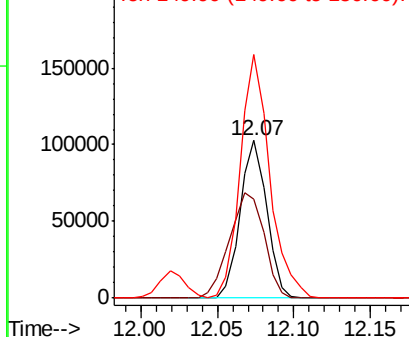
152 100

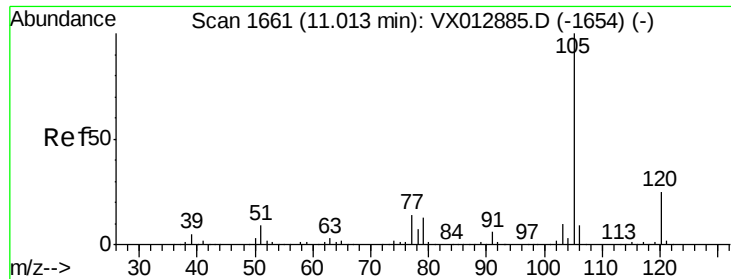
115 86.9 44.5 133.5

150 172.0 0.0 353.4



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: 48.298 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

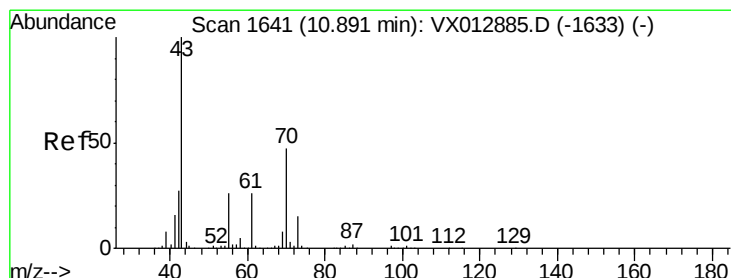
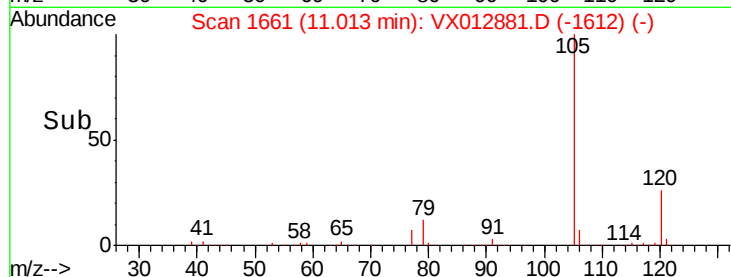
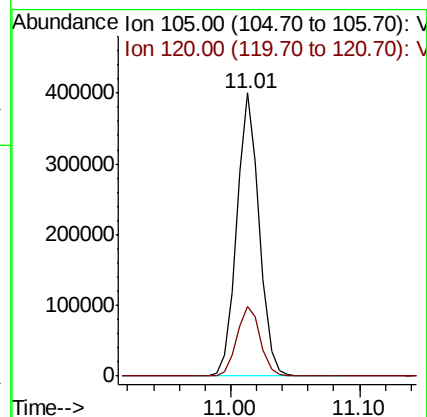
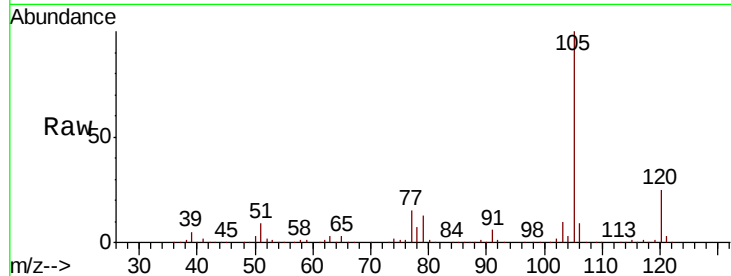
ClientSampleId :

Tot Ion:105 Resp: 485553

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



#74

N-ethyl acetate

Concen: 46.217 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion: 43 Resp: 218025

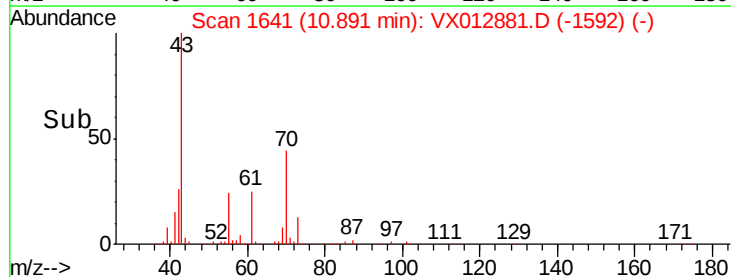
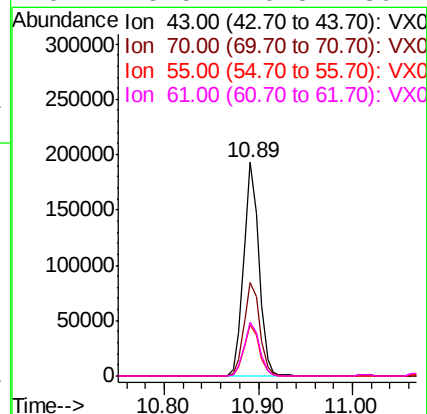
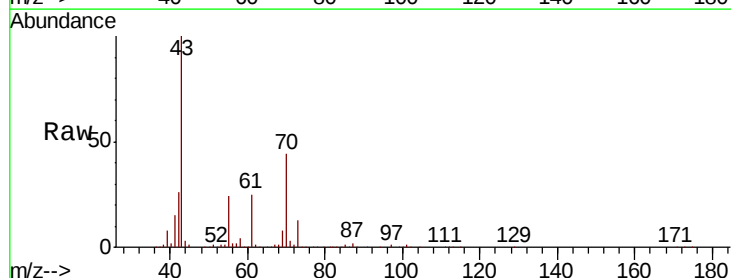
Ion Ratio Lower Upper

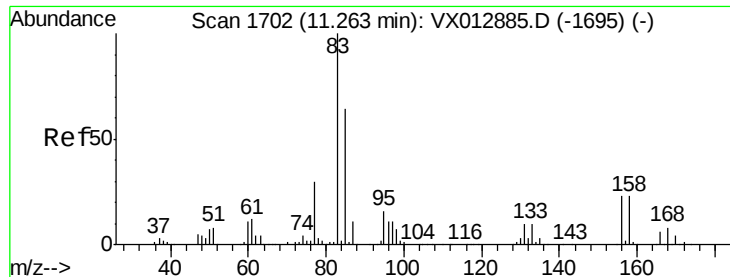
43 100

70 44.9 36.4 54.6

55 24.1 20.2 30.2

61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.430 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

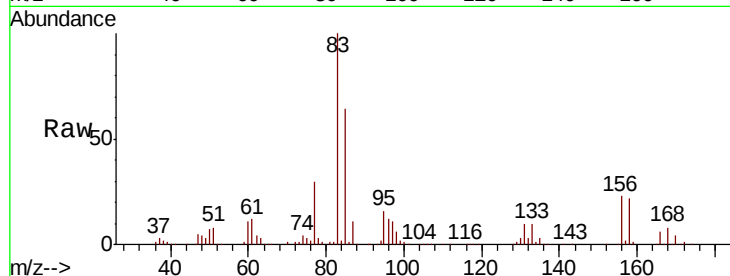
Tot Ion: 83 Resp: 160308

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

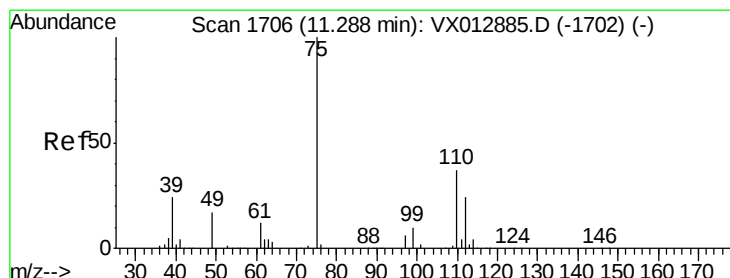
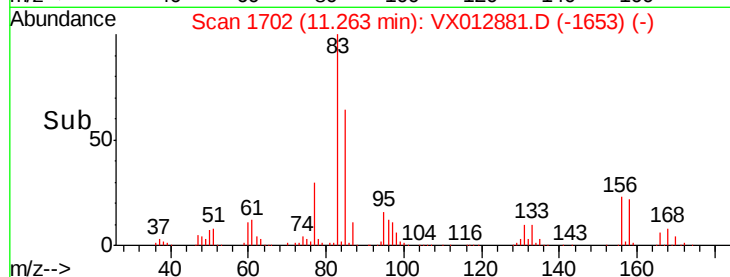
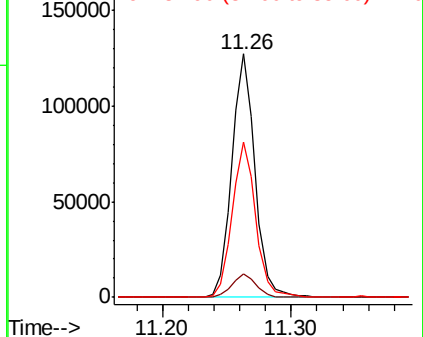
85 64.5 32.1 96.5



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: 59.565 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX012881.D

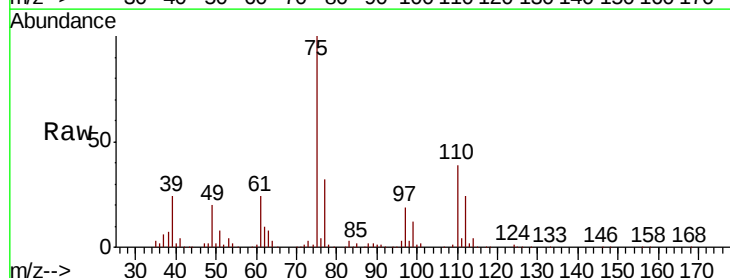
Acq: 08 Oct 2019 10:31

Tgt Ion: 75 Resp: 187958

Ion Ratio Lower Upper

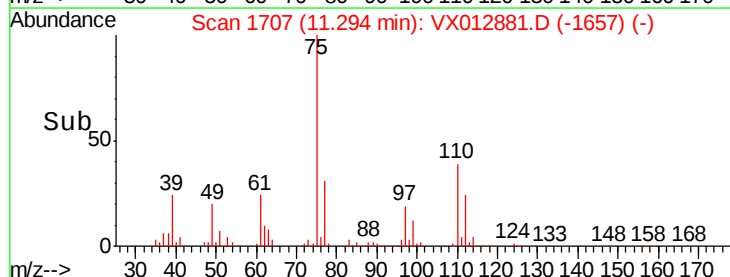
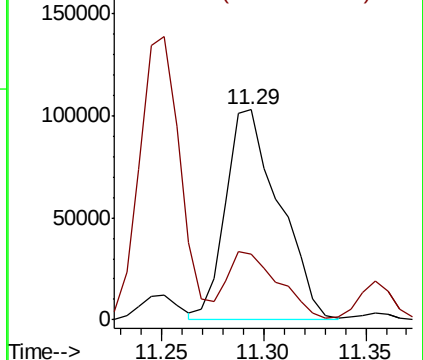
75 100

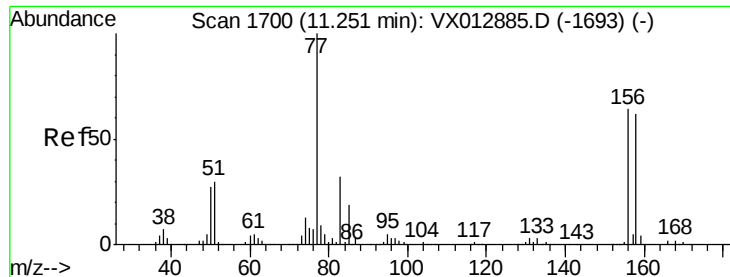
77 30.9 22.9 68.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.863 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

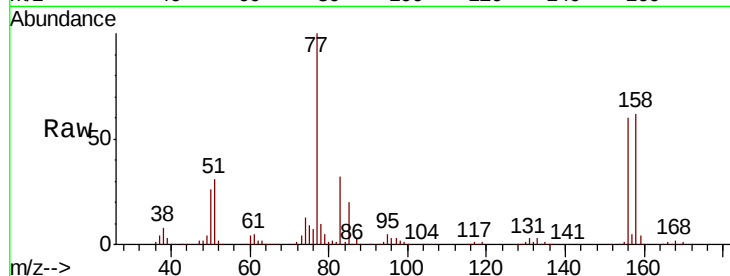
Tot Ion:156 Resp: 111582

Ion Ratio Lower Upper

156 100

77 172.5 83.7 251.0

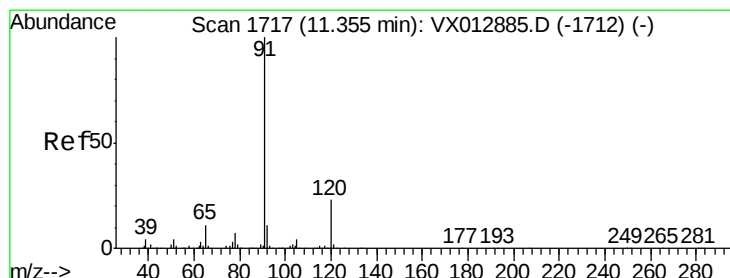
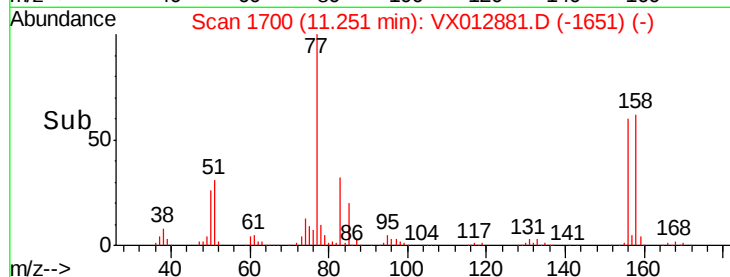
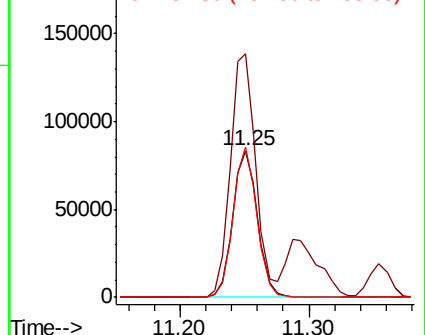
158 98.6 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.509 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012881.D

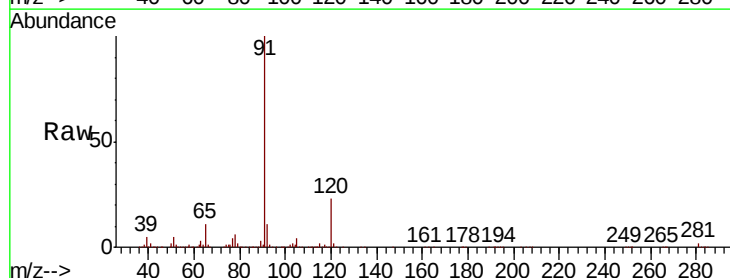
Acq: 08 Oct 2019 10:31

Tgt Ion: 91 Resp: 546169

Ion Ratio Lower Upper

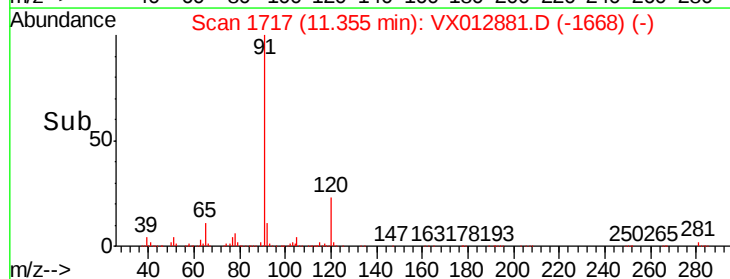
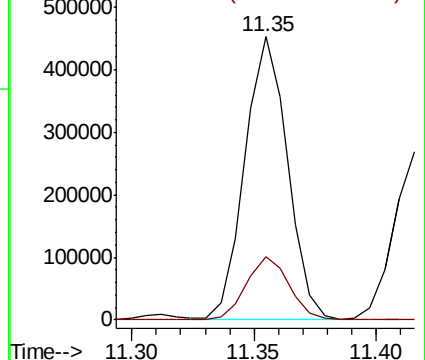
91 100

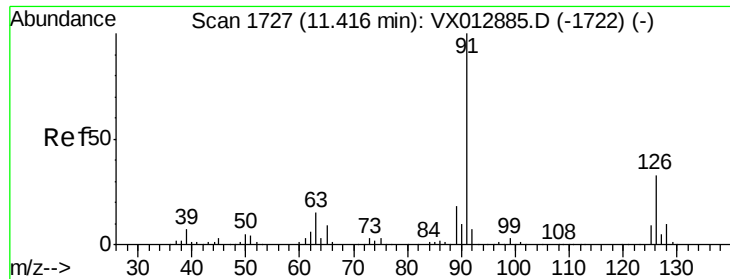
120 22.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

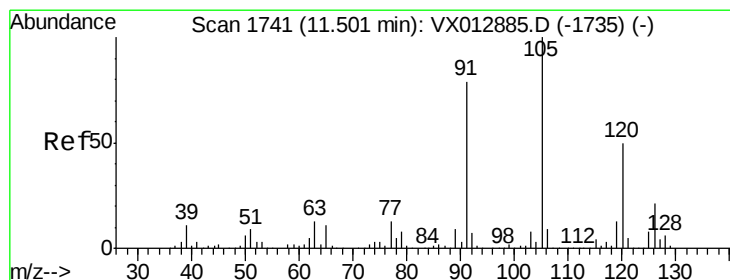
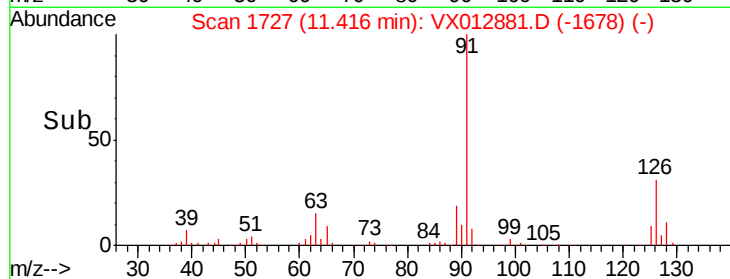
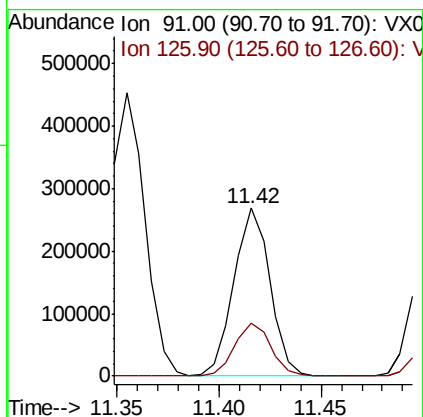
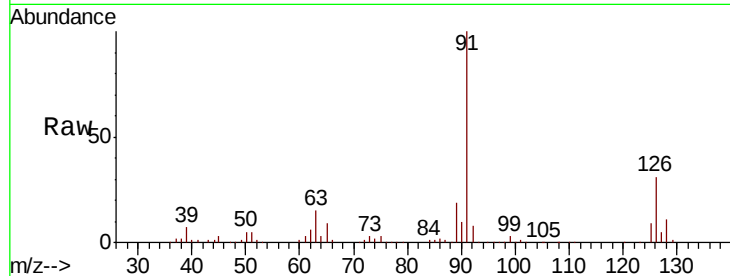




#79
 2-Chlorotoluene
 Concen: 46.767 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

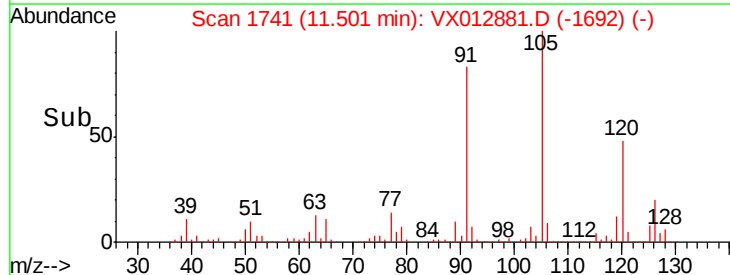
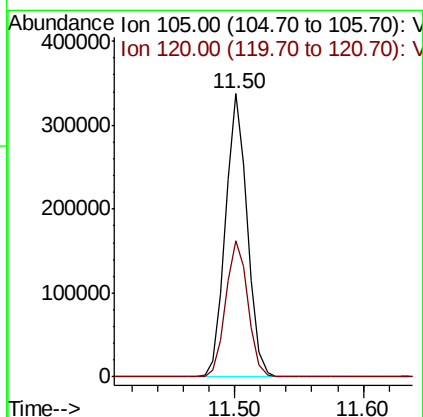
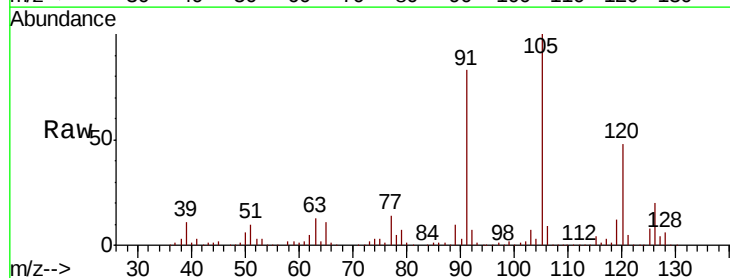
Instrument :
 MSVOA_X
 ClientSampled :

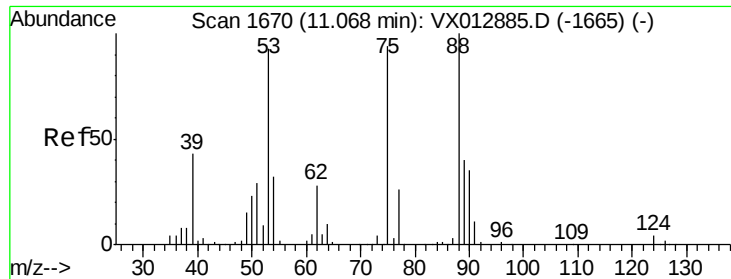
Tot Ion: 91 Resp: 329215
 Ion Ratio Lower Upper
 91 100
 126 31.8 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 47.636 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion: 105 Resp: 401329
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.3

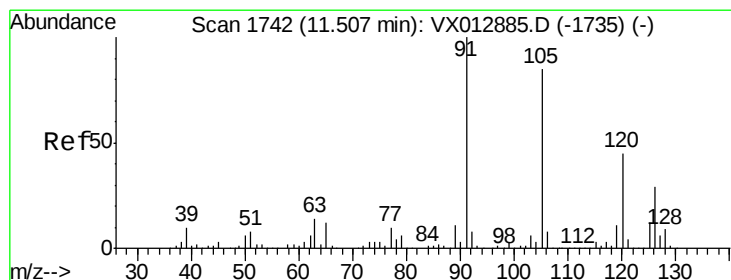
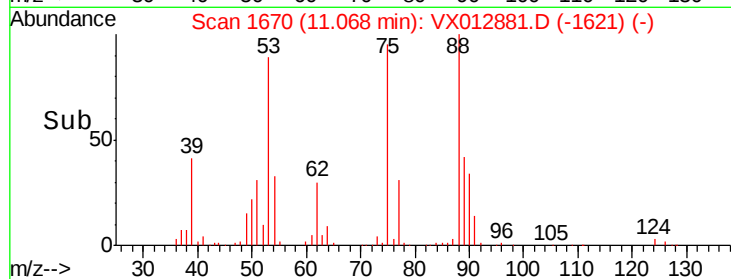
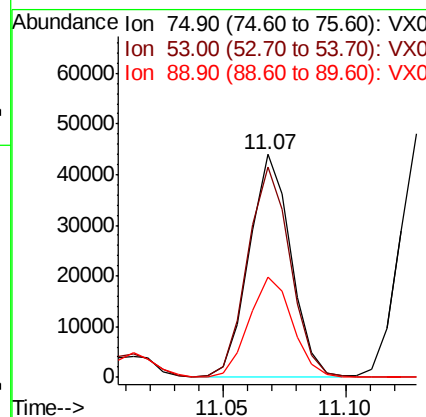
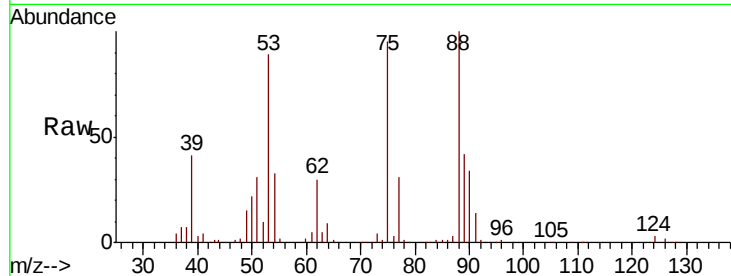




#81
trans-1,4-Dichloro-2-butene
Concen: 46.402 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

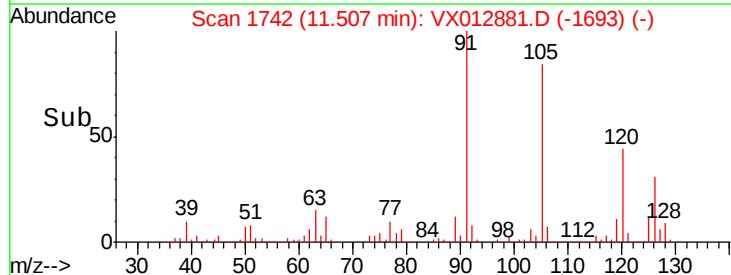
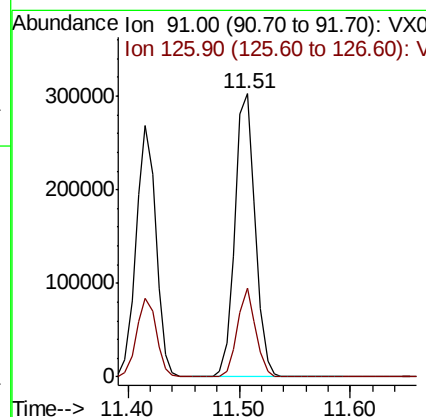
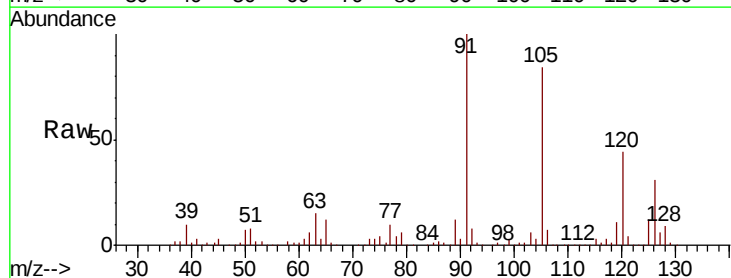
Instrument :
MSVOA_X
ClientSampleId :

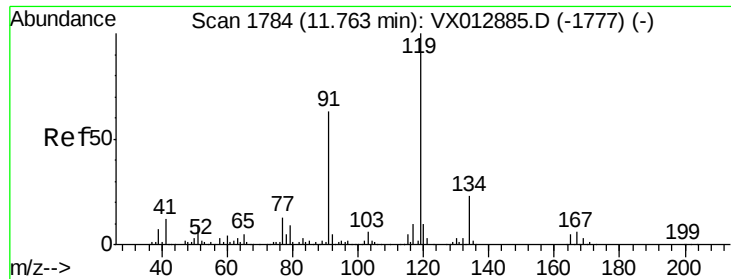
Tot Ion: 75 Resp: 51989
Ion Ratio Lower Upper
75 100
53 97.8 78.5 117.7
89 47.0 37.4 56.2



#82
4-Chlorotoluene
Concen: 47.353 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 91 Resp: 380259
Ion Ratio Lower Upper
91 100
126 28.3 14.2 42.6

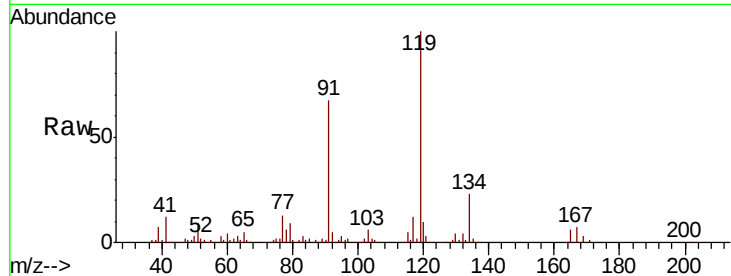




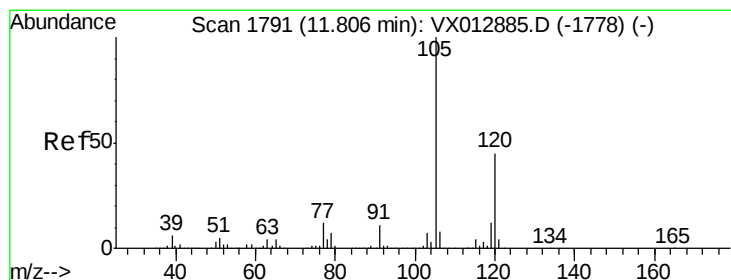
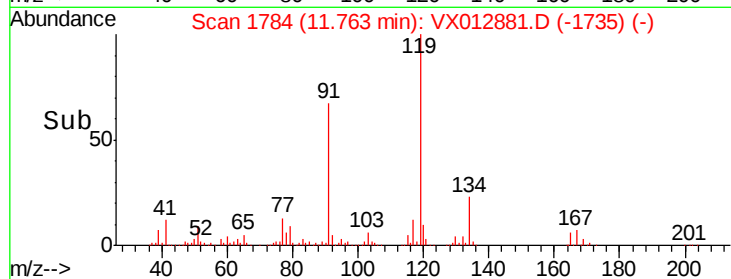
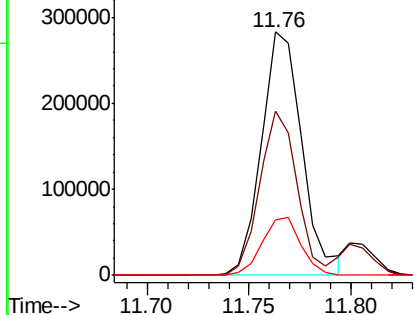
#83
tert-Butylbenzene
Concen: 48.136 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:119 Resp: 392809
Ion Ratio Lower Upper
119 100
91 61.9 29.3 87.9
134 22.6 11.5 34.4

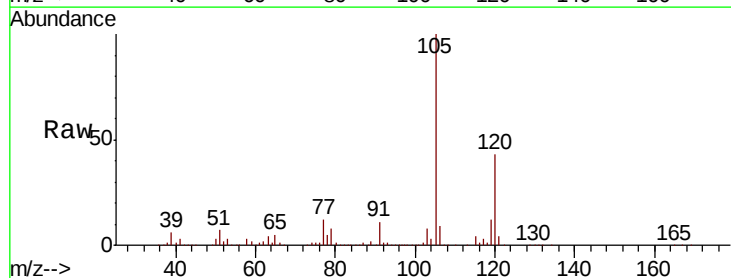


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

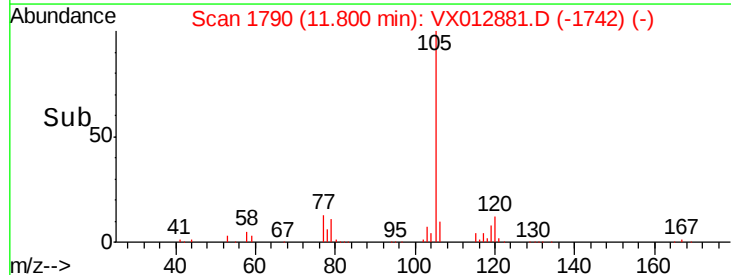
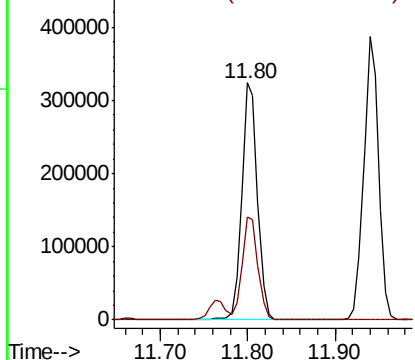


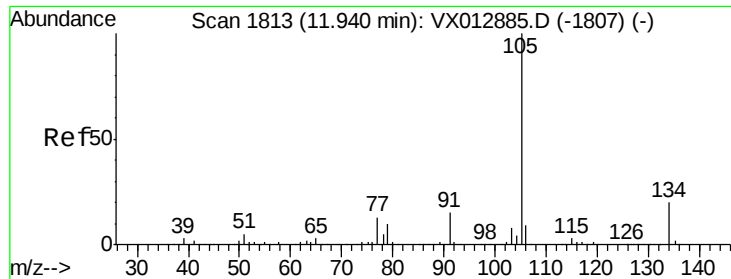
#84
1,2,4-Trimethylbenzene
Concen: 47.326 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion:105 Resp: 403040
Ion Ratio Lower Upper
105 100
120 43.5 21.8 65.3



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

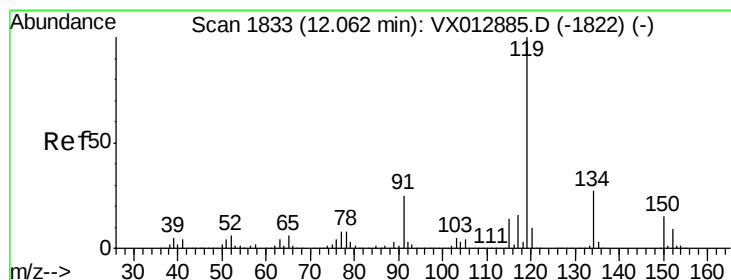
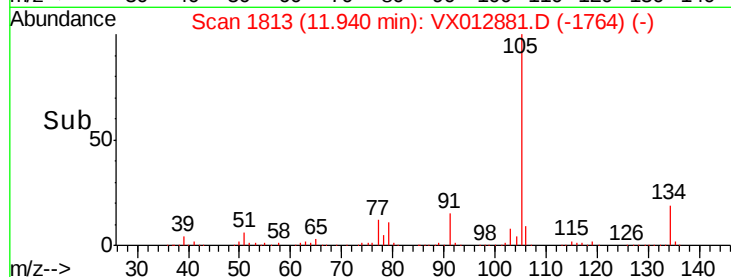
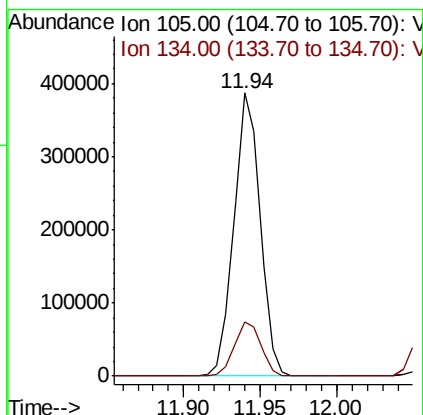
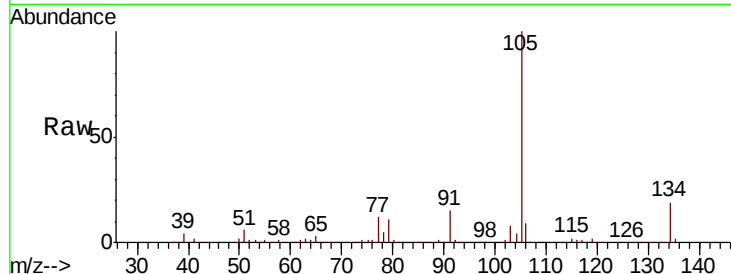




#85
 sec-Butylbenzene
 Concen: 48.524 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

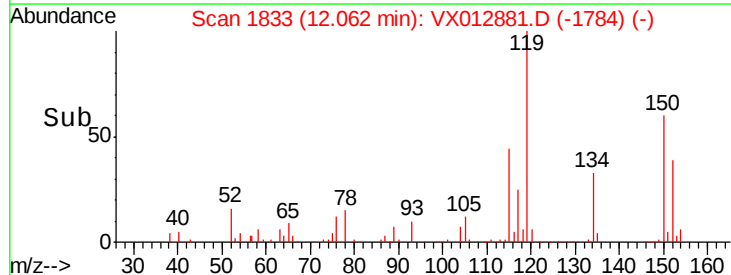
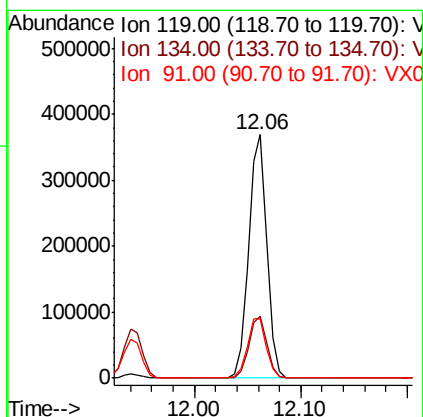
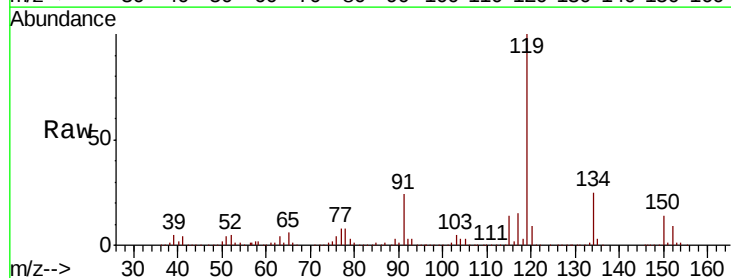
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 460258
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 51.402 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion:119 Resp: 439554
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.6 37.8
 91 25.3 12.4 37.4

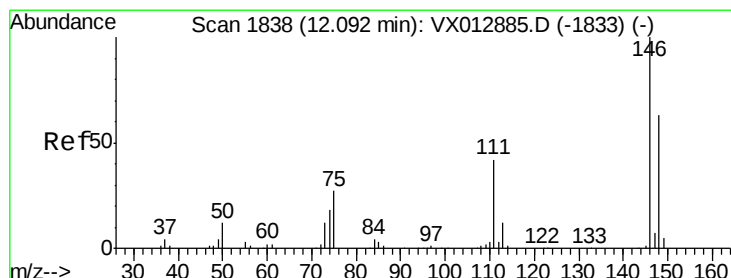
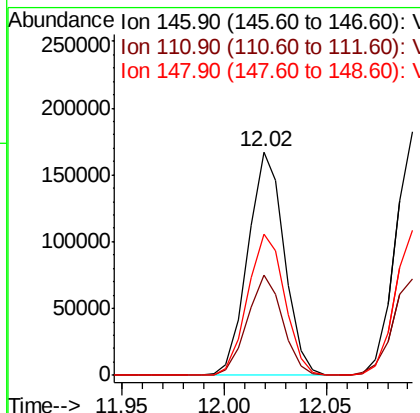
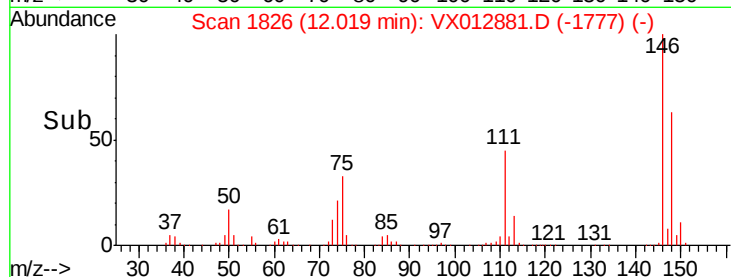
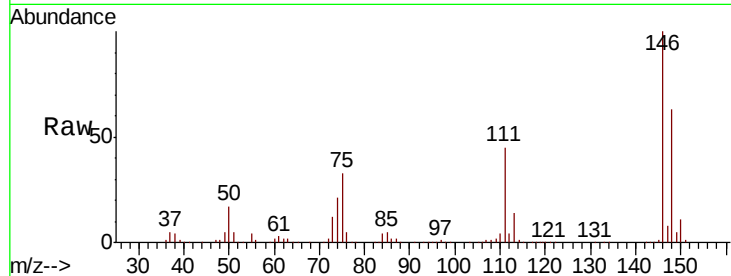




#87
 1,3-Dichlorobenzene
 Concen: 50.267 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

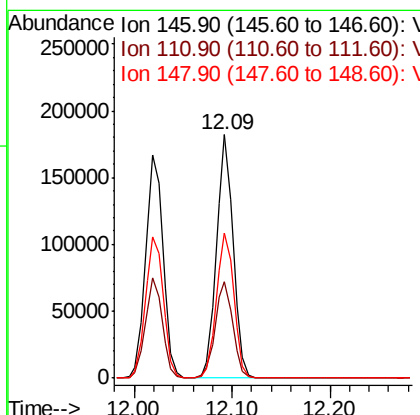
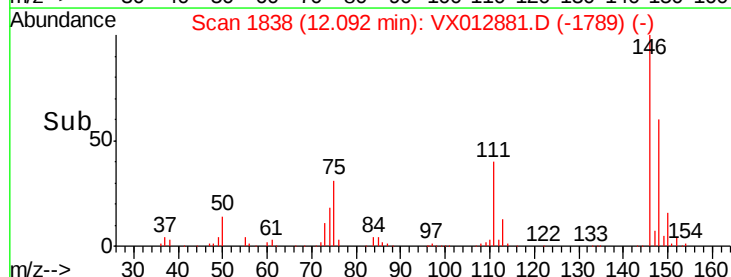
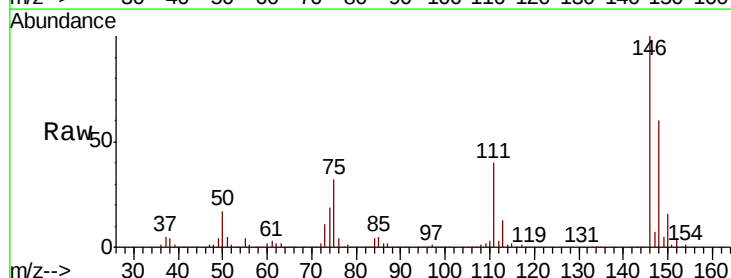
Instrument :
 MSVOA_X
 ClientSampleId :

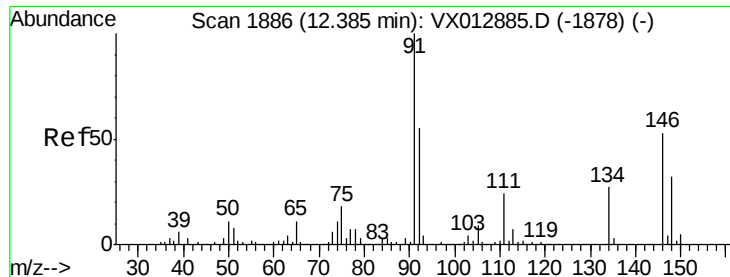
Tot Ion:146 Resp: 207336
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.1 63.4
 148 64.6 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 51.714 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion:146 Resp: 214716
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.4 64.3
 148 62.6 32.1 96.5





#89

n-Butylbenzene

Concen: 50.881 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

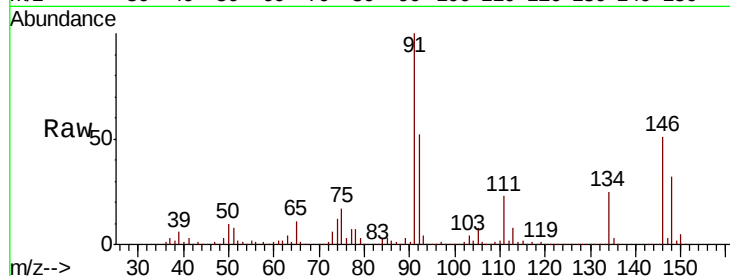
Tot Ion: 91 Resp: 381778

Ion Ratio Lower Upper

91 100

92 55.0 27.5 82.5

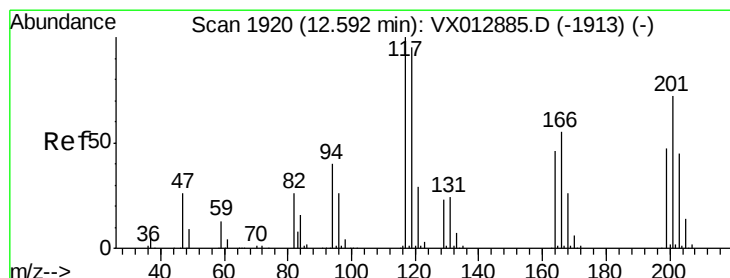
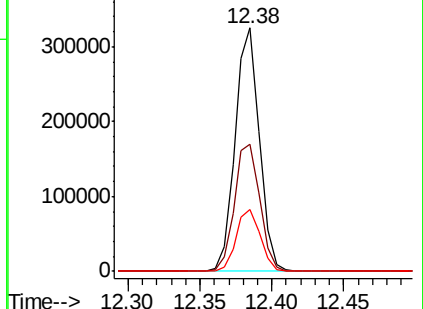
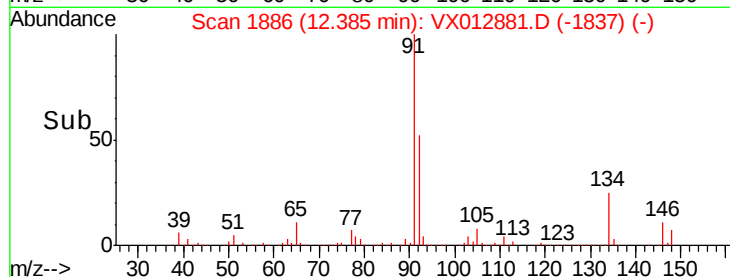
134 25.7 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VX012881.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VX012881.D (-1878) (-)

Ion 134.00 (133.70 to 134.70): VX012881.D (-1878) (-)



#90

Hexachloroethane

Concen: 48.825 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX012881.D

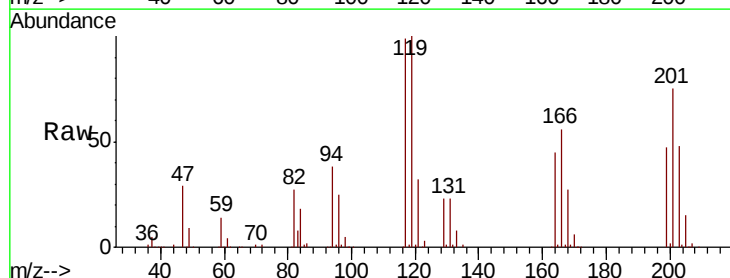
Acq: 08 Oct 2019 10:31

Tgt Ion: 117 Resp: 74000

Ion Ratio Lower Upper

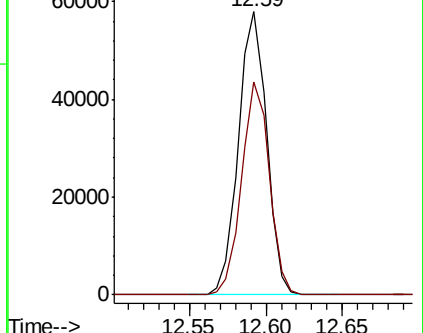
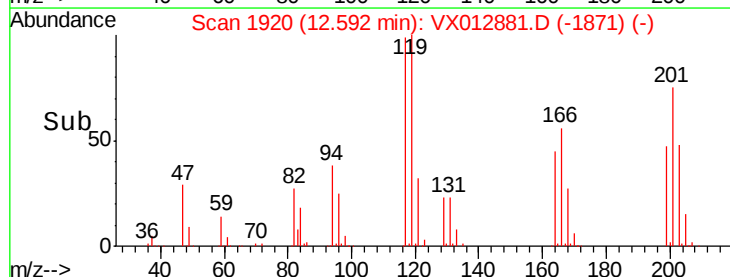
117 100

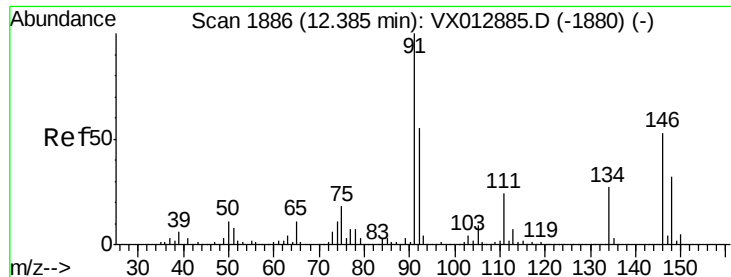
201 74.2 36.9 110.7



Abundance Ion 116.80 (116.50 to 117.50): VX012881.D (-1871) (-)

Ion 200.70 (200.40 to 201.40): VX012881.D (-1871) (-)

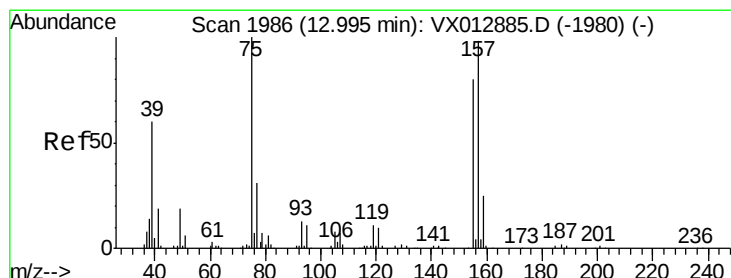
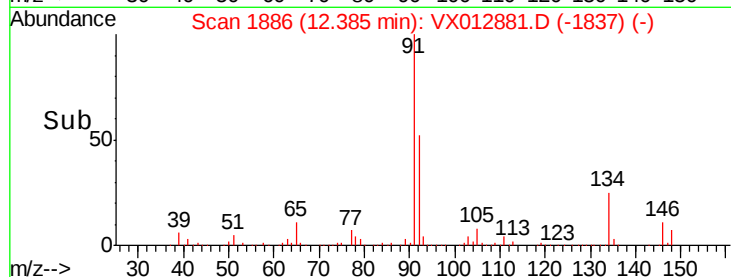
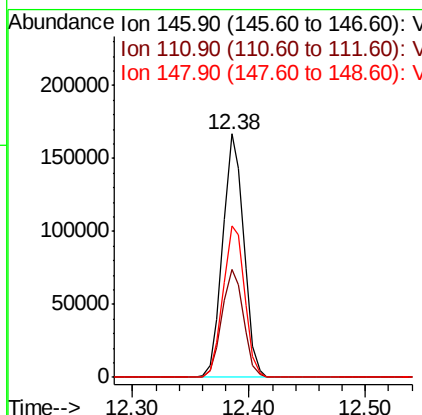
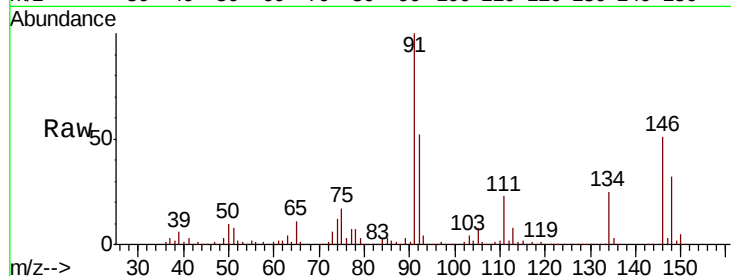




#91
 1,2-Dichlorobenzene
 Concen: 50.656 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

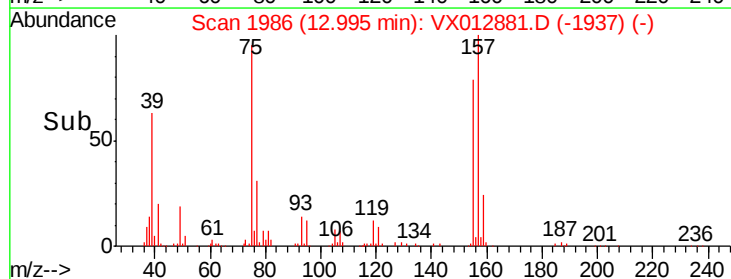
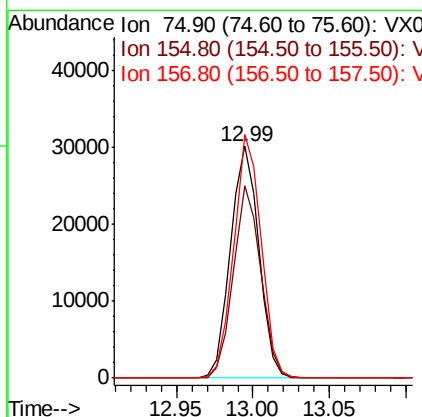
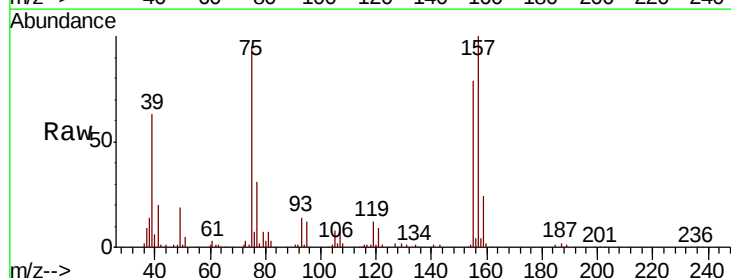
Instrument :
 MSVOA_X
 ClientSampleId :

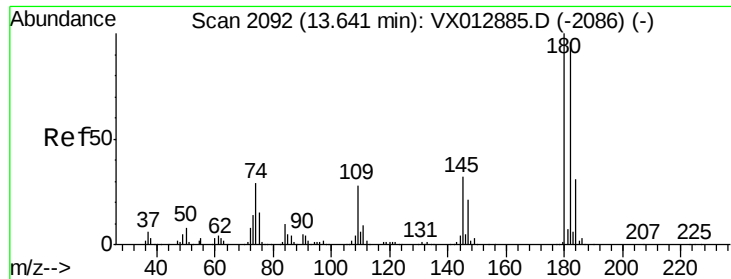
Tot Ion:146 Resp: 208266
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.7 68.0
 148 63.8 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.167 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion: 75 Resp: 38734
 Ion Ratio Lower Upper
 75 100
 155 80.3 43.0 128.8
 157 101.3 54.1 162.3

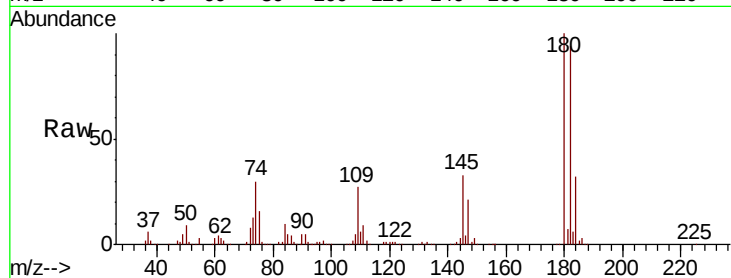




#93
 1,2,4-Trichlorobenzene
 Concen: 53.592 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.8	140.4
145	33.3	16.2	48.6

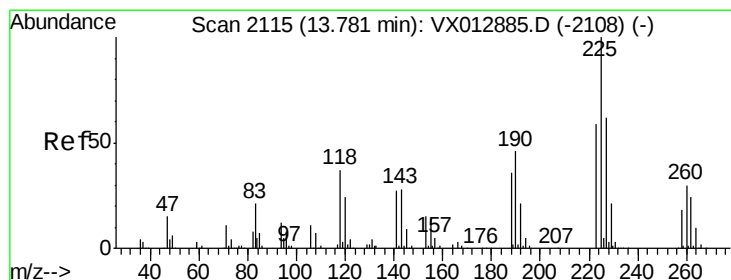
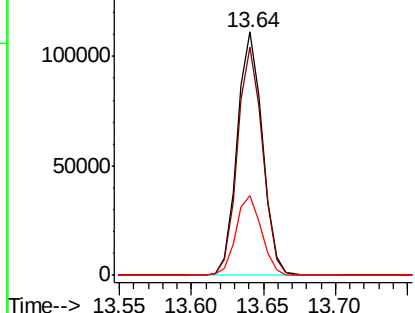
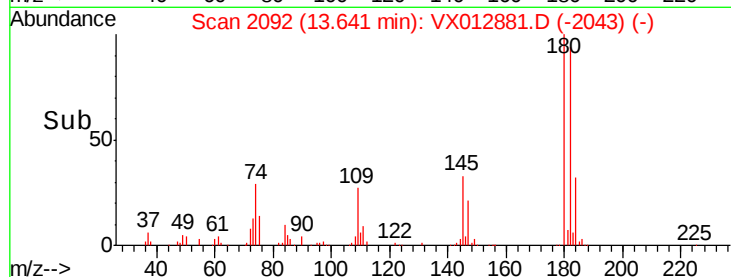


Abundance

Ion 179.80 (179.50 to 180.50): V

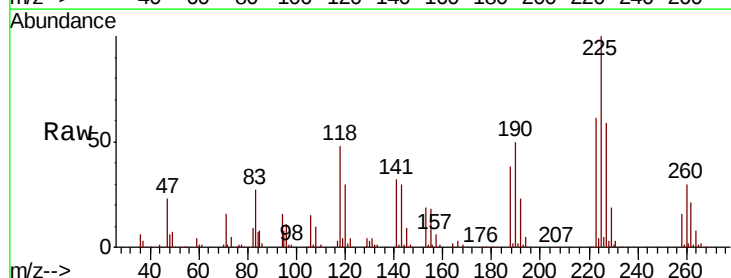
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 57.166 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.1	93.2
227	64.2	32.3	96.9

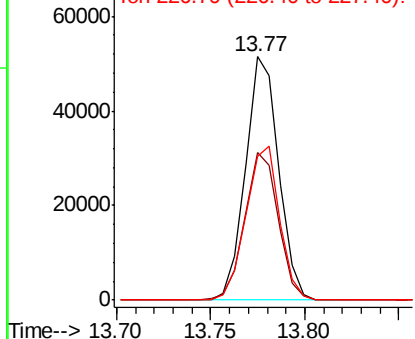
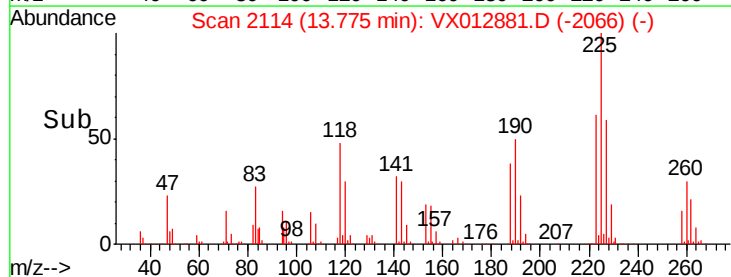


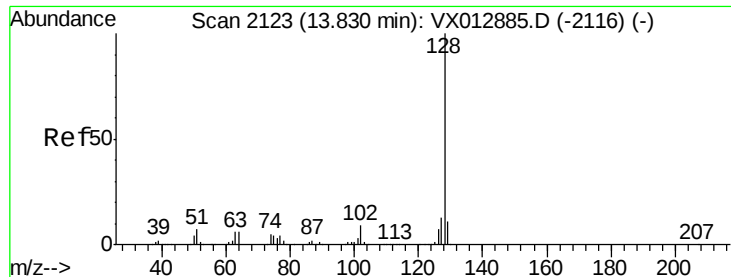
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.729 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampled :

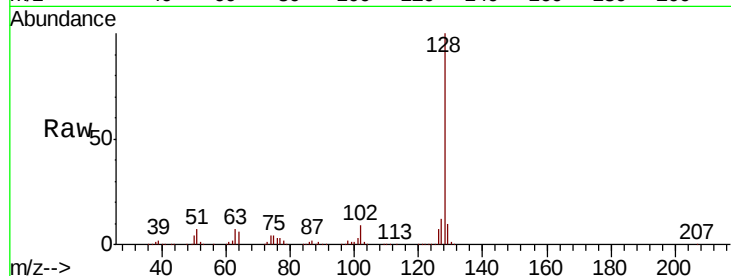
Tot Ion:128 Resp: 458800

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

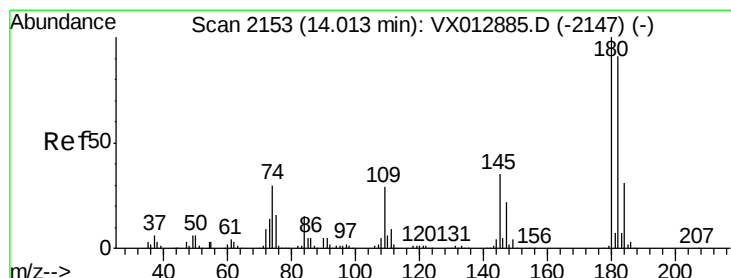
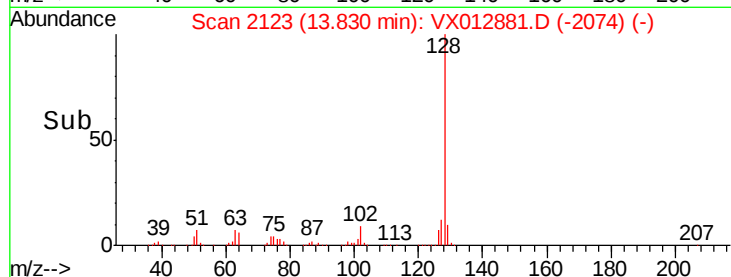
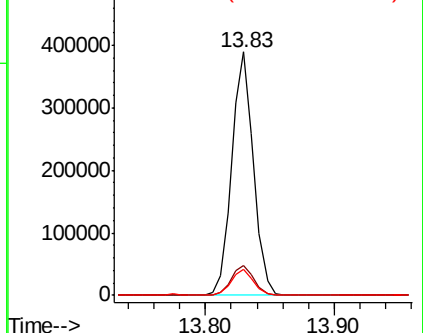
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.147 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

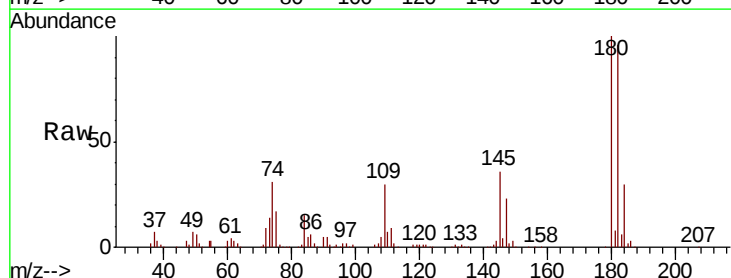
Tgt Ion:180 Resp: 131620

Ion Ratio Lower Upper

180 100

182 96.8 47.5 142.5

145 35.9 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

