

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013815.D
 Acq On : 06 Dec 2019 22:04
 Operator : JC/SP
 Sample : VX1206WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBSD02

Quant Time: Dec 07 02:43:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	600207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	917174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	818489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	402037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	308461	44.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.54%	
35) Dibromofluoromethane	5.49	113	255765	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
50) Toluene-d8	8.71	98	984371	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
62) 4-Bromofluorobenzene	11.14	95	351313	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	119623	17.906	ug/l	100
3) Chloromethane	1.32	50	139090	18.555	ug/l	97
4) Vinyl Chloride	1.40	62	162612	19.273	ug/l	97
5) Bromomethane	1.63	94	97302	17.173	ug/l	97
6) Chloroethane	1.72	64	88853	18.507	ug/l	98
7) Trichlorofluoromethane	1.92	101	174728	18.650	ug/l	99
8) Diethyl Ether	2.18	74	83644	19.735	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	105457	18.429	ug/l	97
10) Methyl Iodide	2.50	142	121126	17.498	ug/l	99
11) Tert butyl alcohol	3.03	59	149534	86.954	ug/l	100
12) 1,1-Dichloroethene	2.36	96	108905	19.066	ug/l	97
13) Acrolein	2.28	56	94858	86.502	ug/l	97
14) Allyl chloride	2.72	41	189159	18.248	ug/l	99
15) Acrylonitrile	3.13	53	336410	94.770	ug/l	99
16) Acetone	2.43	43	380511	110.623	ug/l	99
17) Carbon Disulfide	2.56	76	273841	16.817	ug/l	100
18) Methyl Acetate	2.76	43	197883	20.660	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	370075	19.557	ug/l	99
20) Methylene Chloride	2.85	84	125841	19.043	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	116178	18.670	ug/l	99
22) Diisopropyl ether	3.84	45	391476	19.613	ug/l	98
23) Vinyl Acetate	3.80	43	1259095	75.829	ug/l	100
24) 1,1-Dichloroethane	3.69	63	216162	19.811	ug/l	99
25) 2-Butanone	4.66	43	512321	100.218	ug/l	100
26) 2,2-Dichloropropane	4.58	77	136477	15.118	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	135493	18.961	ug/l	97
28) Bromochloromethane	5.01	49	90157	20.902	ug/l	99
29) Tetrahydrofuran	5.12	42	302533	95.998	ug/l	99
30) Chloroform	5.20	83	207959	18.793	ug/l	100
31) Cyclohexane	5.57	56	181419	17.628	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	175850	19.016	ug/l	100
36) 1,1-Dichloropropene	5.79	75	153492	18.436	ug/l	98
37) Ethyl Acetate	4.82	43	175855	18.828	ug/l	99
38) Carbon Tetrachloride	5.78	117	146969	19.144	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	179953	17.486	ug/l	97
40) Benzene	6.14	78	484103	19.091	ug/l	99
41) Methacrylonitrile	5.03	41	98666	19.262	ug/l	99
42) 1,2-Dichloroethane	6.18	62	168393	19.472	ug/l	99
43) Isopropyl Acetate	6.43	43	288603	18.769	ug/l	99
44) Trichloroethene	7.21	130	134370	19.308	ug/l	91
45) 1,2-Dichloropropane	7.51	63	129185	20.362	ug/l	97
46) Dibromomethane	7.65	93	81338	18.877	ug/l	99
47) Bromodichloromethane	7.89	83	158609	19.471	ug/l	98
48) Methyl methacrylate	7.76	41	143751	19.241	ug/l	98
49) 1,4-Dioxane	7.73	88	57203	342.053	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	941316	97.320	ug/l	99
52) Toluene	8.78	92	300009	19.045	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	166128	17.917	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	185156	18.278	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	124916	19.678	ug/l	95
56) Ethyl methacrylate	9.17	69	194327	19.040	ug/l	100
57) 1,3-Dichloropropane	9.37	76	214614	19.614	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	369775	92.407	ug/l	99
59) 2-Hexanone	9.49	43	731635	96.986	ug/l	99
60) Dibromochloromethane	9.57	129	127067	19.288	ug/l	98
61) 1,2-Dibromoethane	9.67	107	130631	19.267	ug/l	99
64) Tetrachloroethene	9.33	164	178853	29.302	ug/l	97
65) Chlorobenzene	10.14	112	323049	19.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	119857	19.642	ug/l	99
67) Ethyl Benzene	10.25	91	566794	19.410	ug/l	98
68) m/p-Xylenes	10.35	106	431304	38.578	ug/l	100
69) o-Xylene	10.70	106	209535	19.217	ug/l	96
70) Styrene	10.71	104	352232	19.204	ug/l	99
71) Bromoform	10.85	173	93371	18.493	ug/l #	99
73) Isopropylbenzene	11.01	105	554408	19.659	ug/l	100
74) N-amyl acetate	10.89	43	247221	19.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	189266	19.352	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	210037	23.228	ug/l	90
77) Bromobenzene	11.25	156	147508	19.361	ug/l	99
78) n-propylbenzene	11.35	91	618267	19.639	ug/l	100
79) 2-Chlorotoluene	11.42	91	372772	19.739	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	462994	20.031	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54554	16.505	ug/l	95
82) 4-Chlorotoluene	11.51	91	422689	19.325	ug/l	99
83) tert-Butylbenzene	11.76	119	403490	17.177	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	463640	19.765	ug/l	100
85) sec-Butylbenzene	11.94	105	528718	19.706	ug/l	100
86) p-Isopropyltoluene	12.06	119	489845	19.625	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	252722	19.029	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	251838	18.617	ug/l	99
89) n-Butylbenzene	12.38	91	402410	18.902	ug/l	100
90) Hexachloroethane	12.59	117	83122	18.424	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	255730	19.489	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40584	19.056	ug/l	96

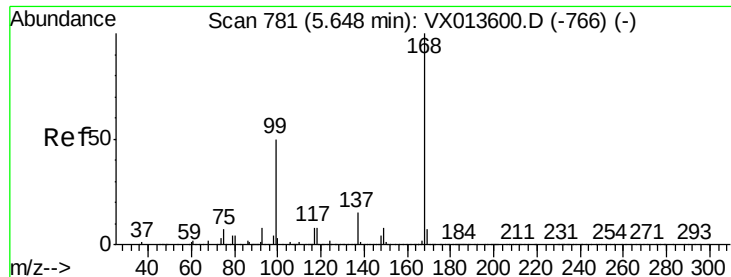
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120619\
Data File : VX013815.D
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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	164523	17.991	ug/l	97
94) Hexachlorobutadiene	13.77	225	80320	18.283	ug/l	99
95) Naphthalene	13.83	128	522765	19.195	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	173332	19.143	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

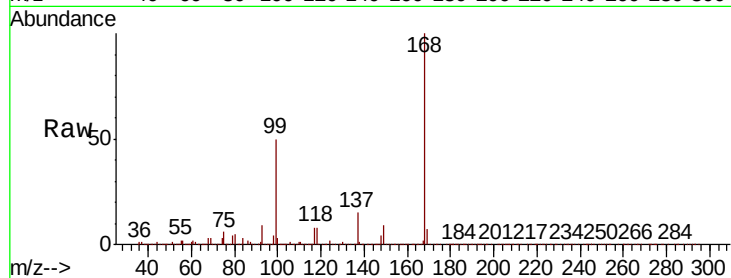
VX1206WBSD02

Tot Ion:168 Resp: 600207

Ion Ratio Lower Upper

168 100

99 50.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

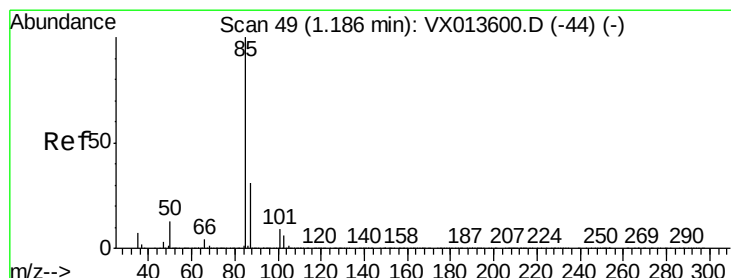
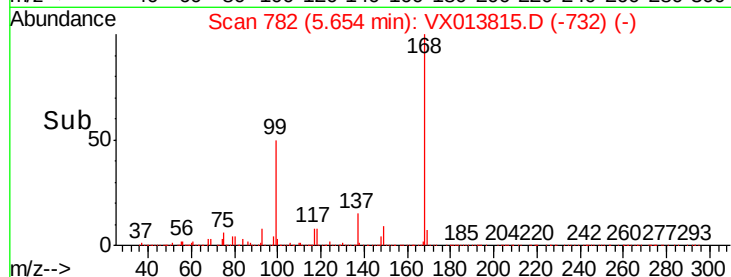
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.906 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013815.D

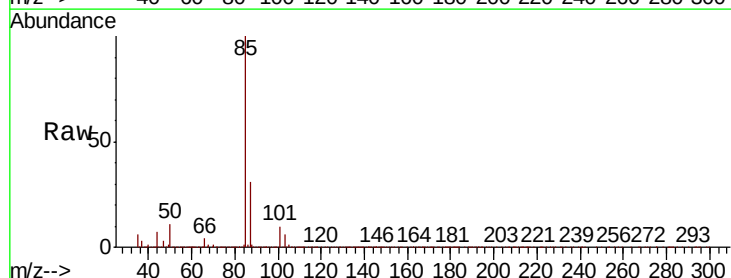
Acq: 06 Dec 2019 22:04

Tgt Ion: 85 Resp: 119623

Ion Ratio Lower Upper

85 100

87 31.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

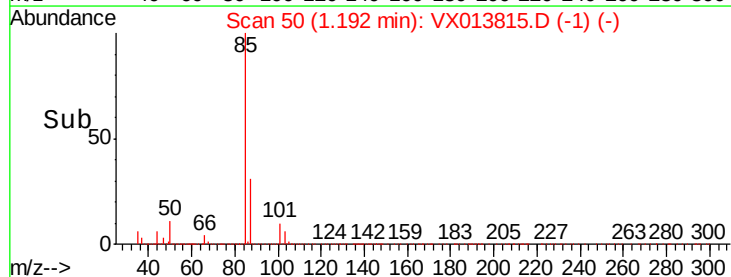
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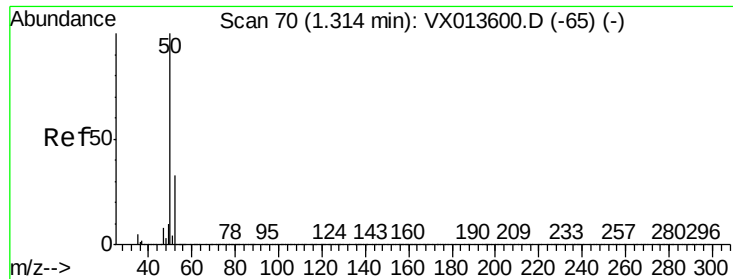
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Time-->

1.15 1.20 1.25

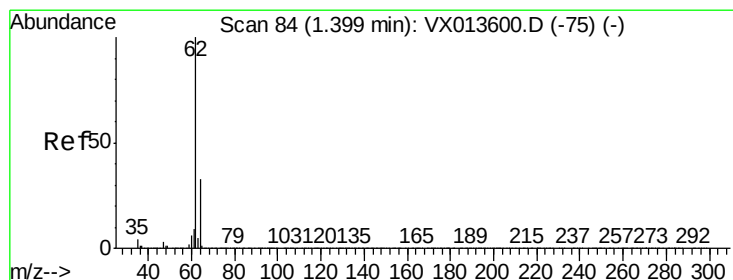
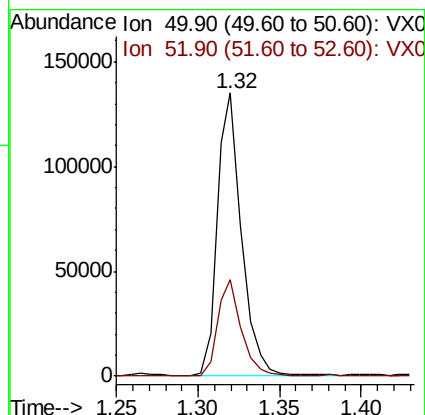
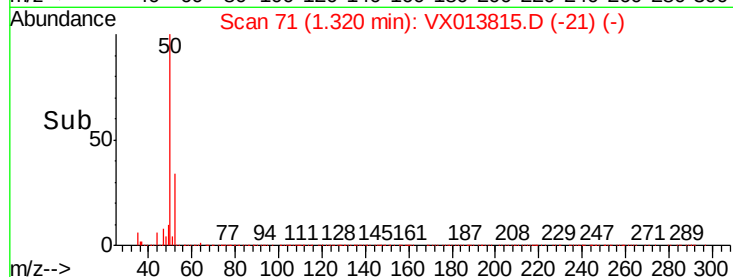
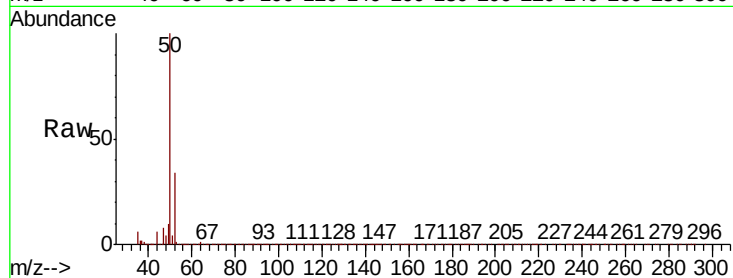




#3
Chloromethane
Concen: 18.555 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

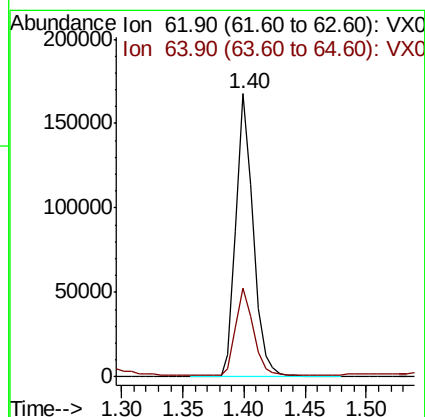
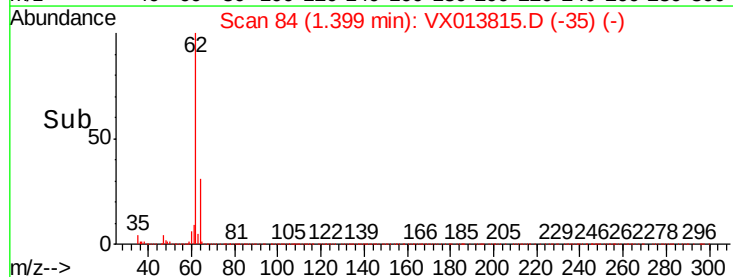
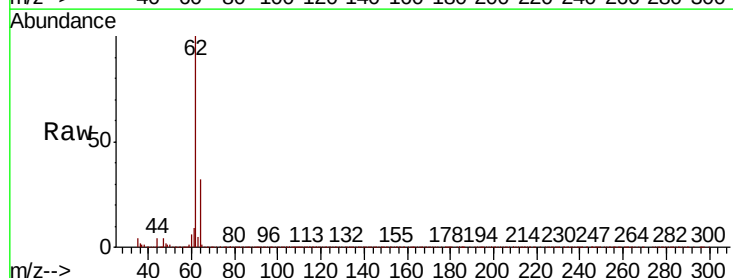
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

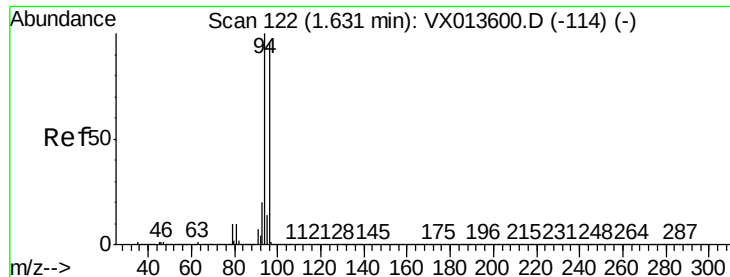
Tot Ion: 50 Resp: 139090
Ion Ratio Lower Upper
50 100
52 33.9 26.0 39.0



#4
Vinyl Chloride
Concen: 19.273 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion: 62 Resp: 162612
Ion Ratio Lower Upper
62 100
64 30.9 26.0 39.0





#5

Bromomethane

Concen: 17.173 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

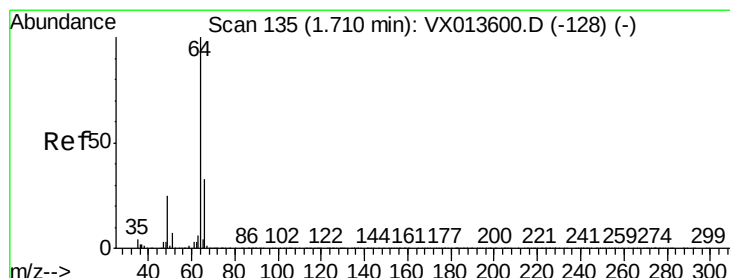
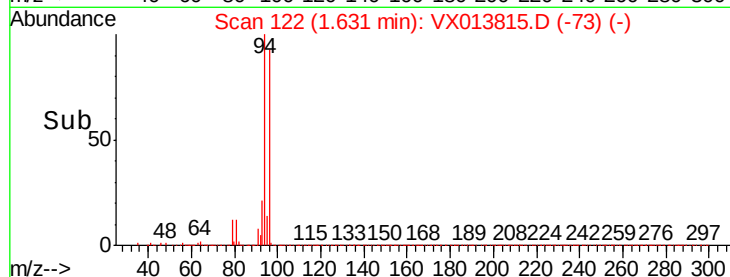
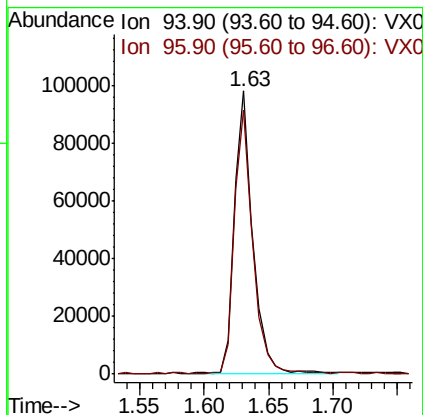
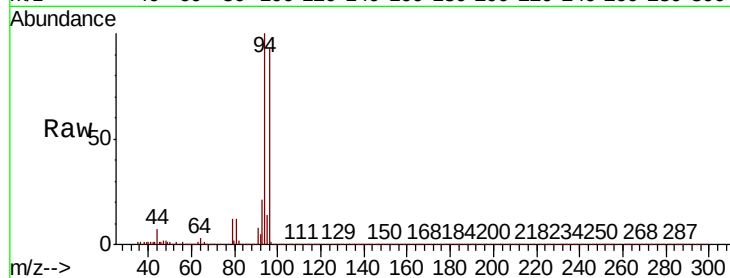
VX1206WBSD02

Tot Ion: 94 Resp: 97302

Ion Ratio Lower Upper

94 100

96 93.4 77.0 115.4



#6

Chloroethane

Concen: 18.507 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013815.D

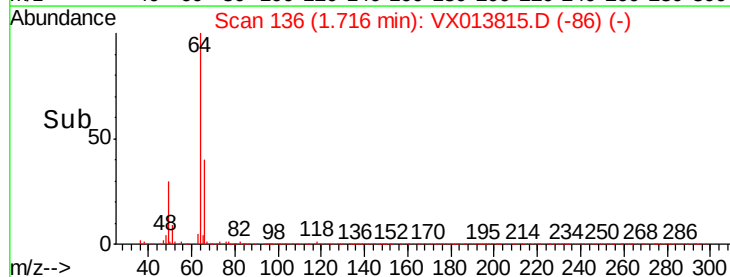
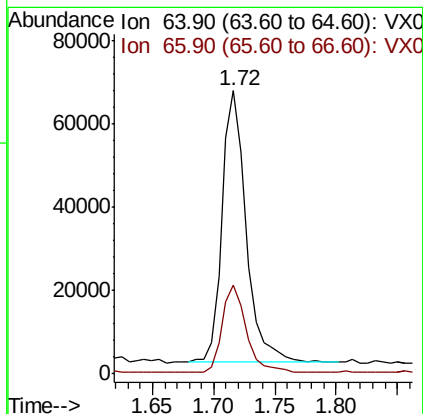
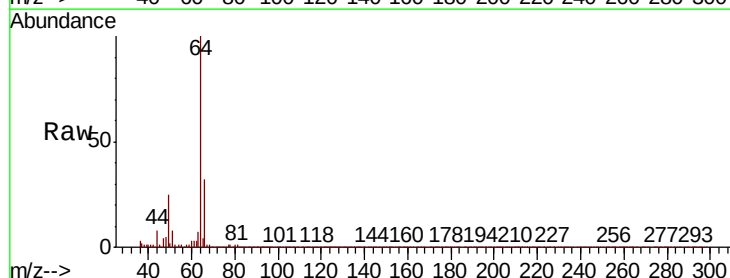
Acq: 06 Dec 2019 22:04

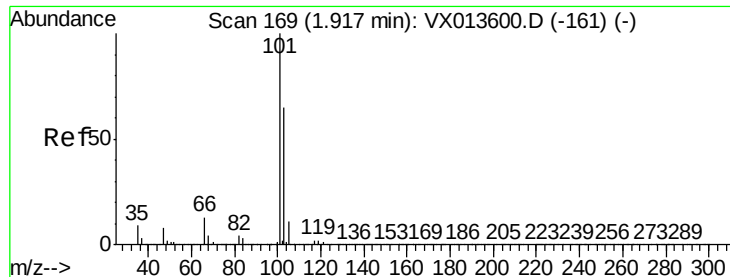
Tgt Ion: 64 Resp: 88853

Ion Ratio Lower Upper

64 100

66 32.2 26.7 40.1



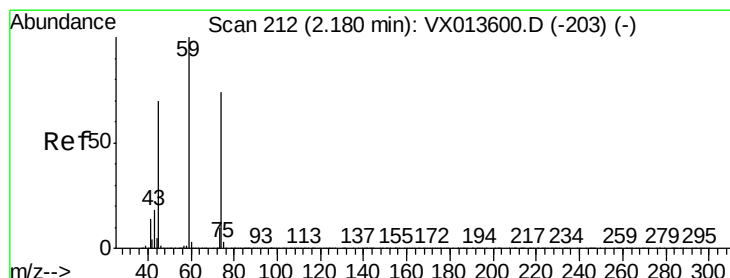
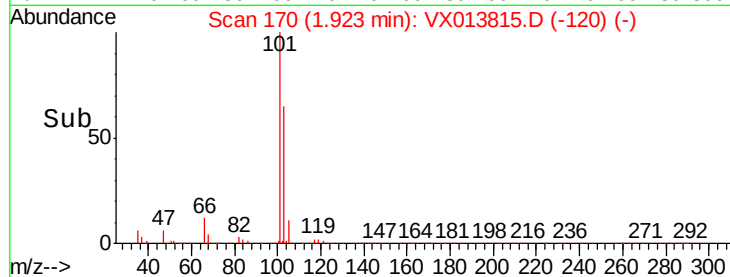
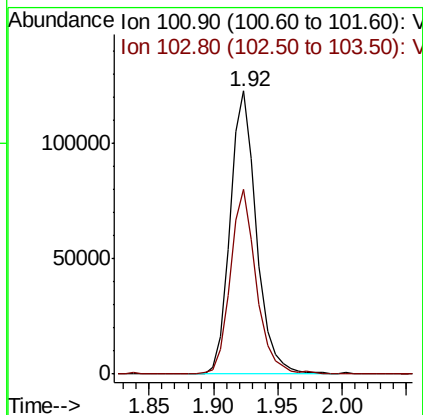
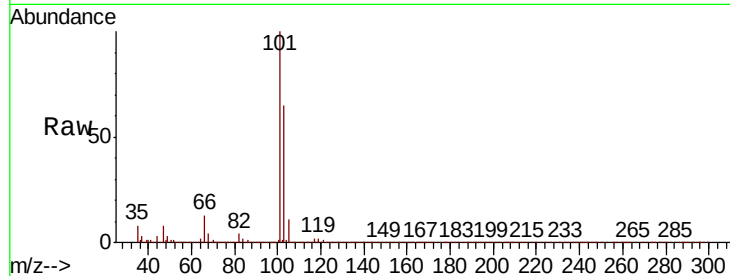


#7

Trichlorofluoromethane
Concen: 18.650 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

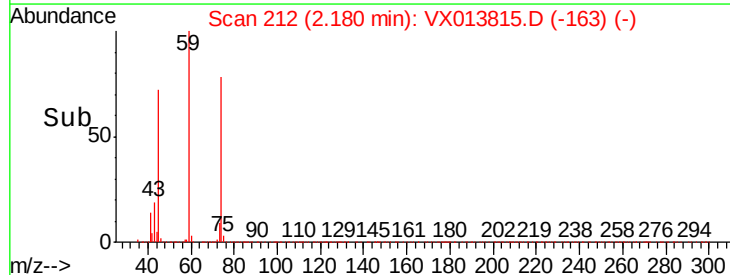
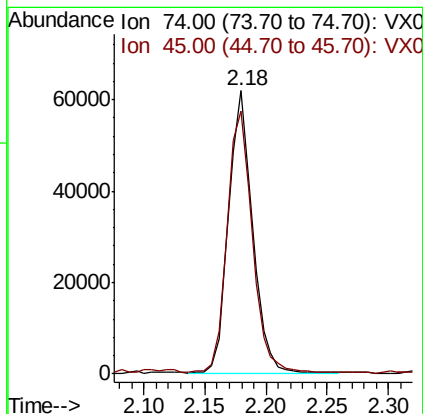
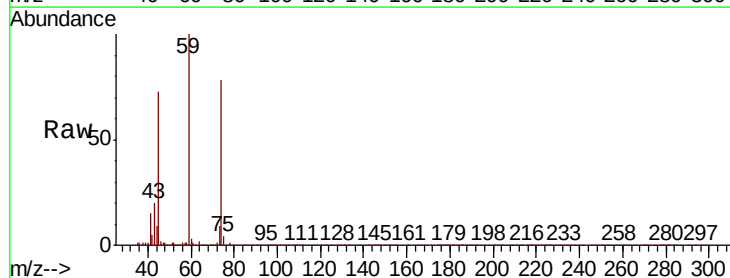
Tot Ion:101 Resp: 174728
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.6

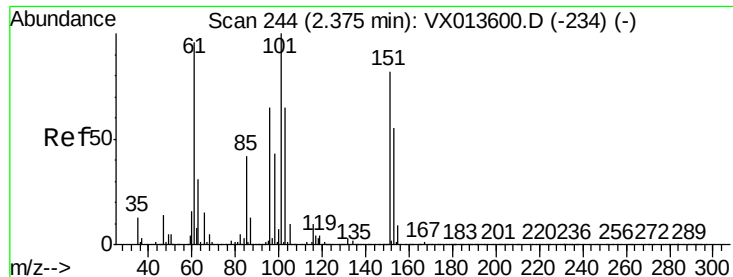


#8

Diethyl Ether
Concen: 19.735 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion: 74 Resp: 83644
Ion Ratio Lower Upper
74 100
45 96.9 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.429 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

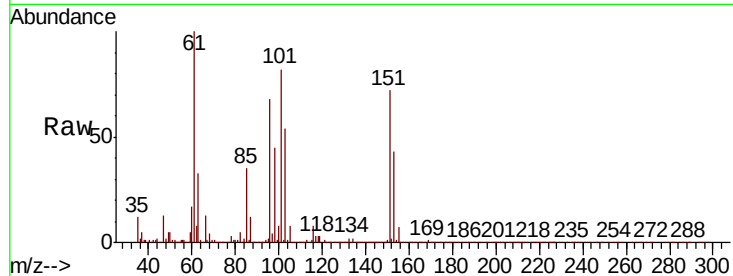
Tot Ion:101 Resp: 105457

Ion Ratio Lower Upper

101 100

85 41.9 33.9 50.9

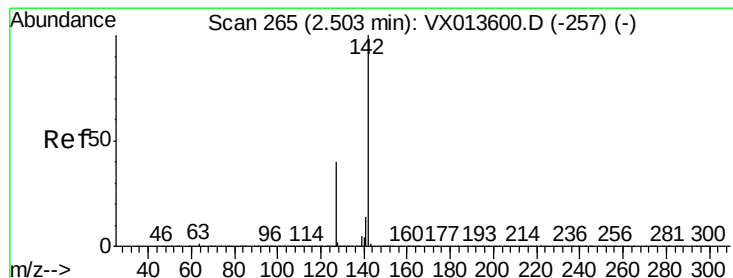
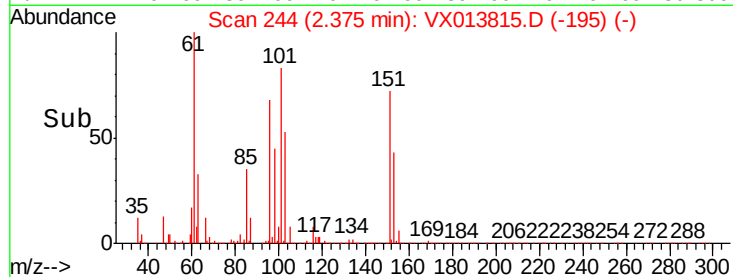
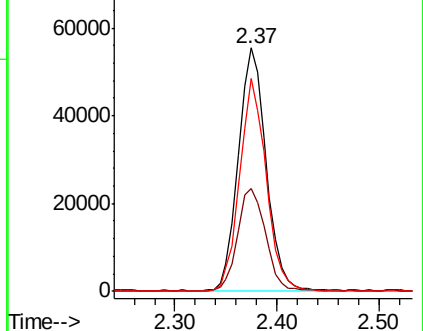
151 83.3 64.2 96.2



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: 17.498 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

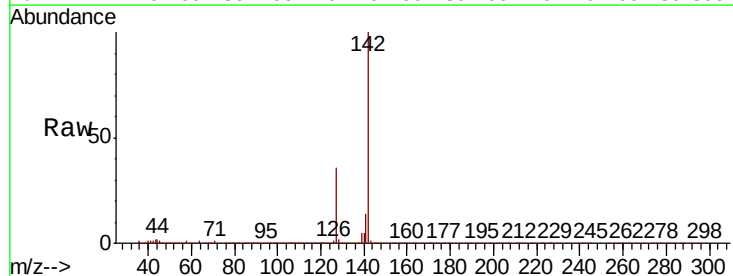
Tgt Ion:142 Resp: 121126

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

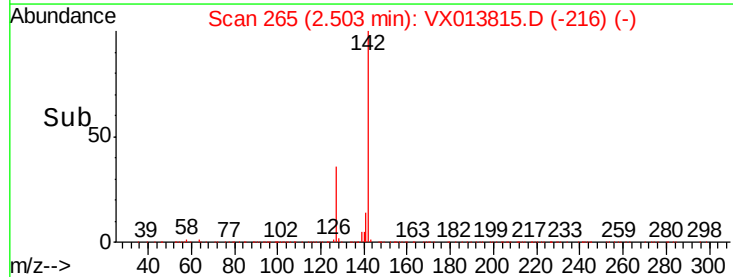
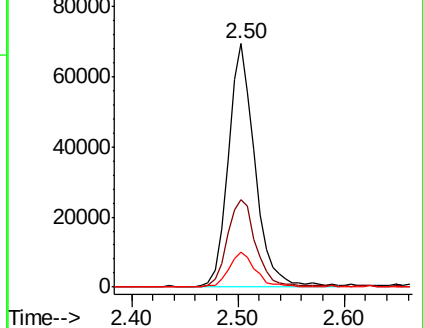
141 14.7 11.6 17.4

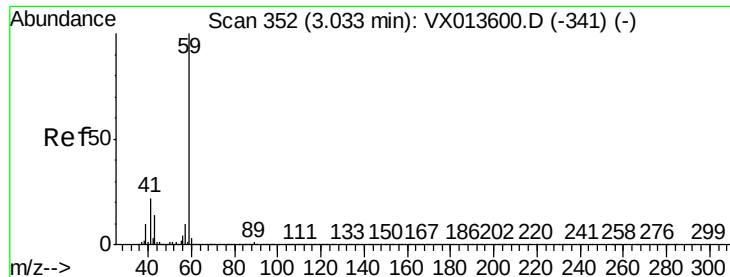


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



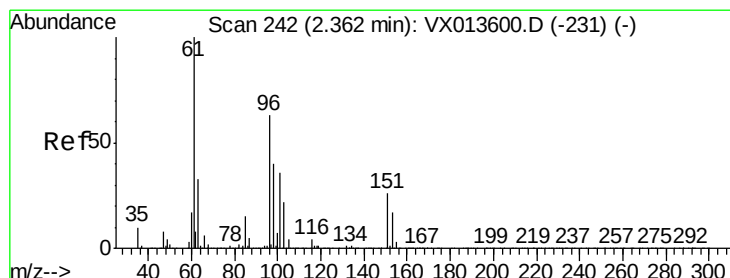
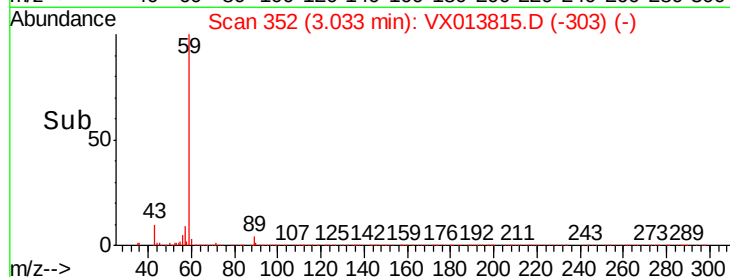
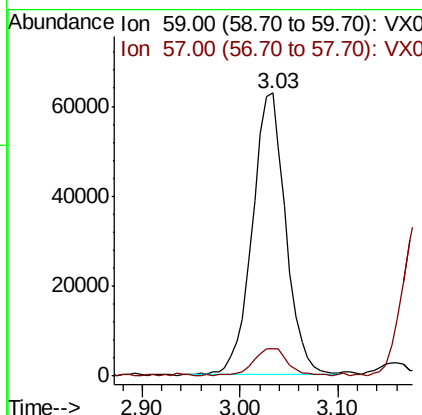
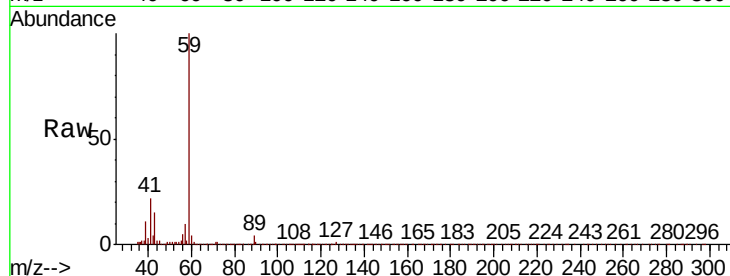


#11

Tert butyl alcohol
Concen: 86.954 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

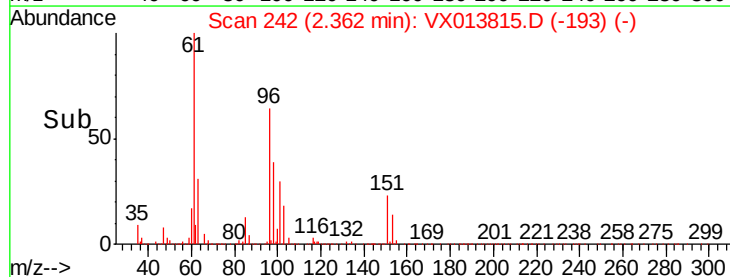
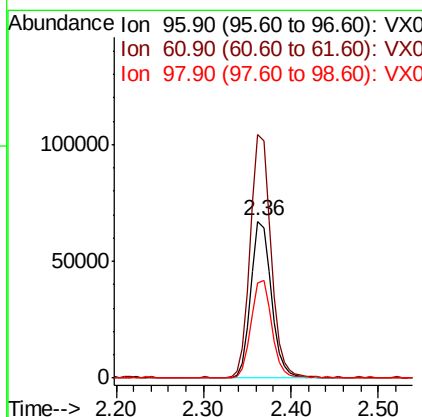
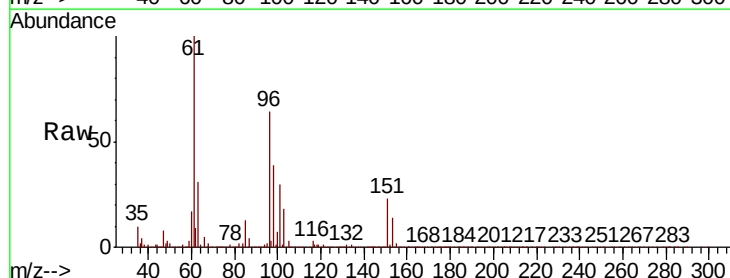
Tot Ion: 59 Resp: 149534
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.6

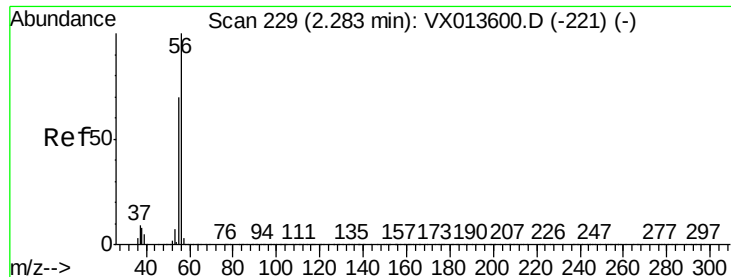


#12

1,1-Dichloroethene
Concen: 19.066 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion: 96 Resp: 108905
Ion Ratio Lower Upper
96 100
61 155.4 126.6 190.0
98 60.4 50.6 76.0





#13

Acrolein

Concen: 86.502 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

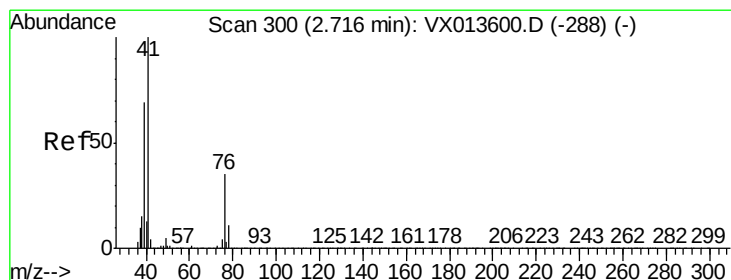
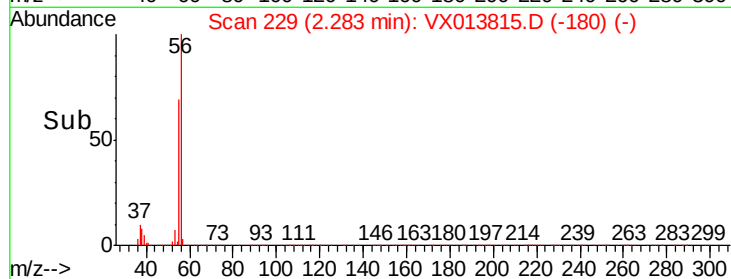
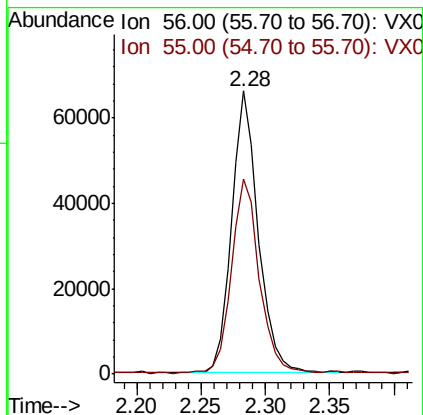
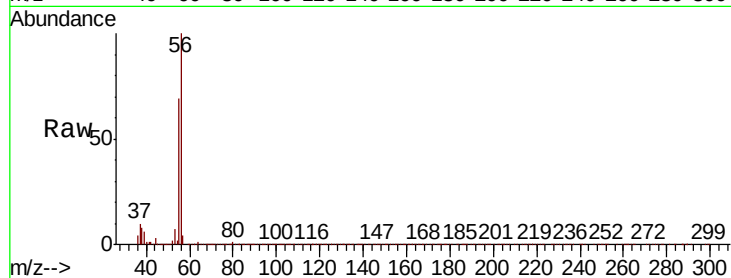
VX1206WBSD02

Tot Ion: 56 Resp: 94858

Ion Ratio Lower Upper

56 100

55 72.5 56.2 84.4



#14

Allyl chloride

Concen: 18.248 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

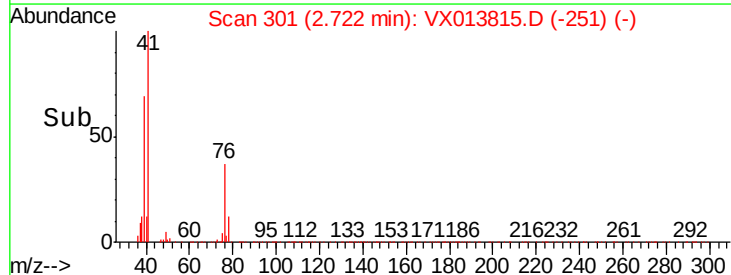
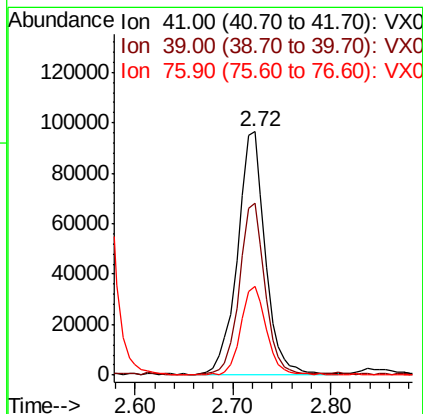
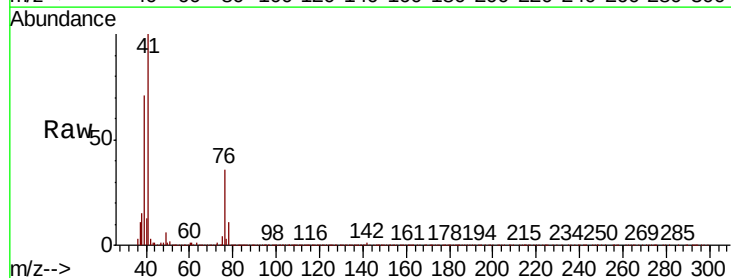
Tgt Ion: 41 Resp: 189159

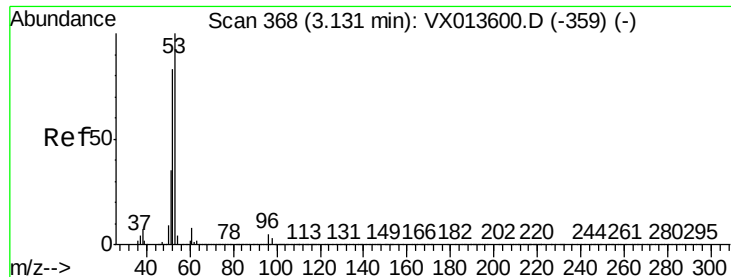
Ion Ratio Lower Upper

41 100

39 65.0 51.7 77.5

76 32.8 25.9 38.9





#15

Acrylonitrile

Concen: 94.770 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

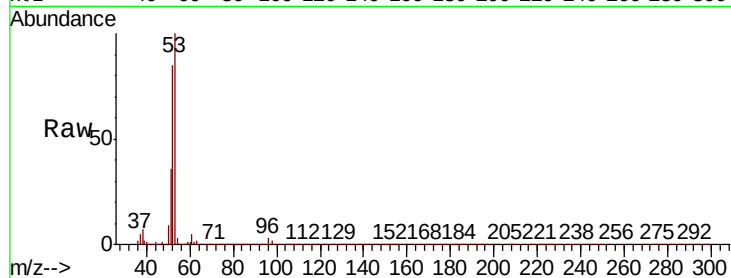
MSVOA_X

ClientSampleId :

VX1206WBSD02

Tot Ion: 53 Resp: 336410

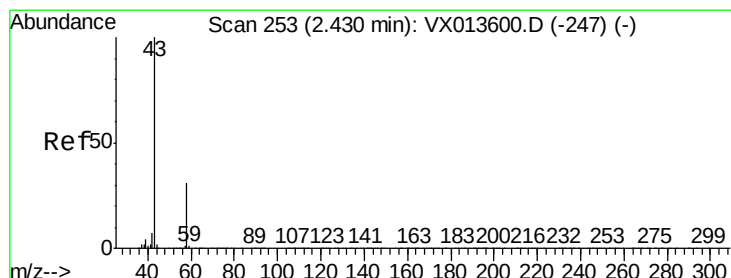
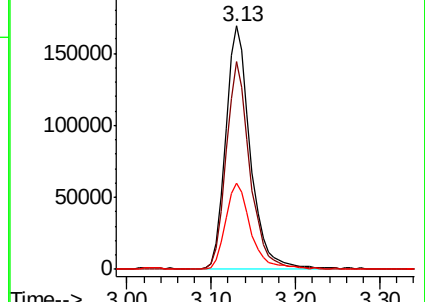
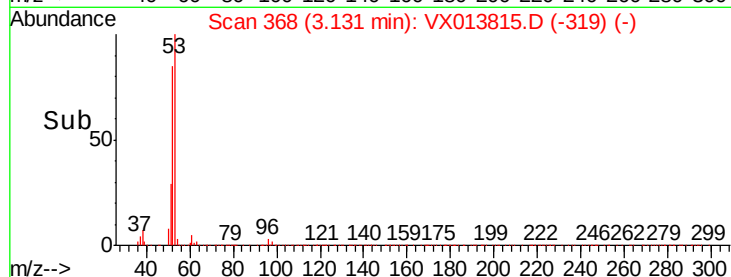
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.9	29.0	43.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 110.623 ug/l

RT: 2.43 min Scan# 253

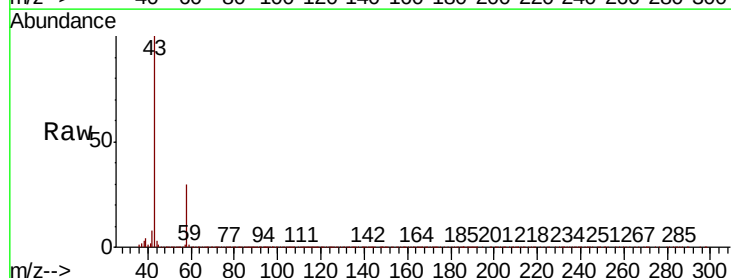
Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

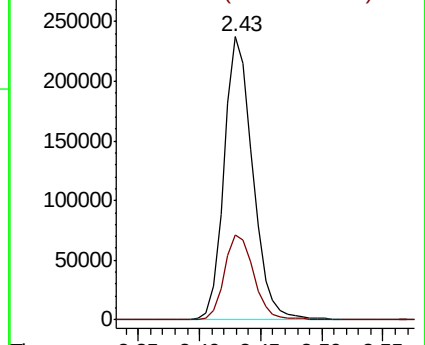
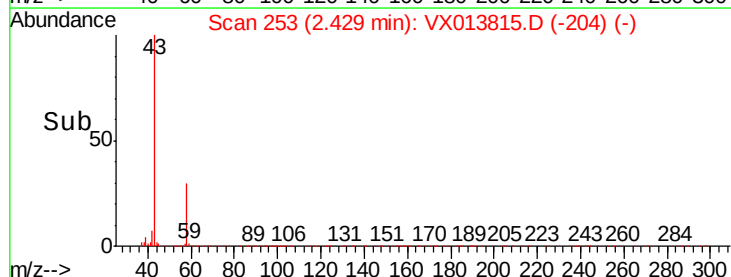
Tgt Ion: 43 Resp: 380511

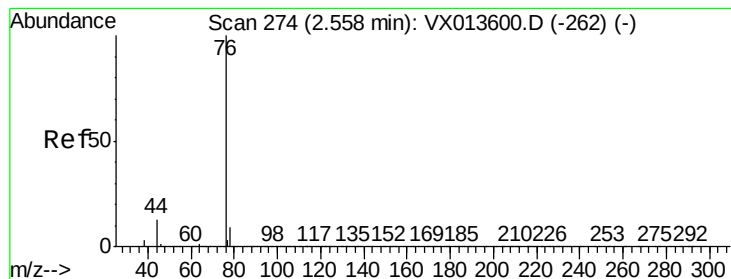
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.6	36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.817 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

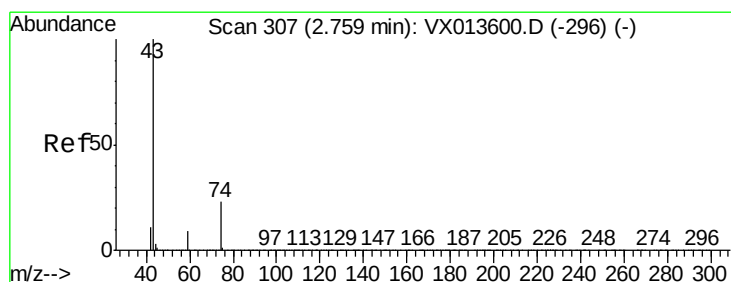
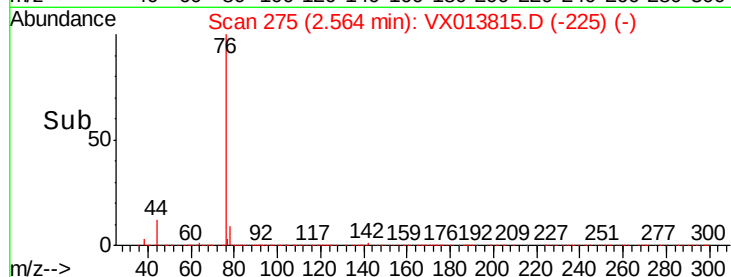
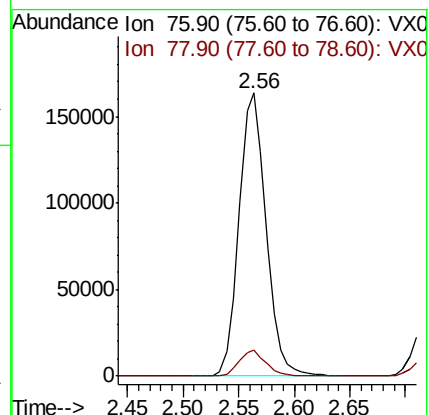
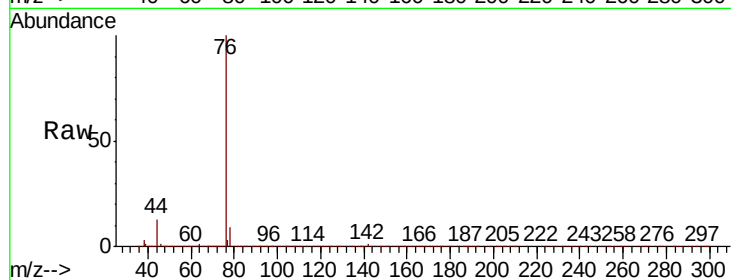
VX1206WBSD02

Tot Ion: 76 Resp: 273841

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#18

Methyl Acetate

Concen: 20.660 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013815.D

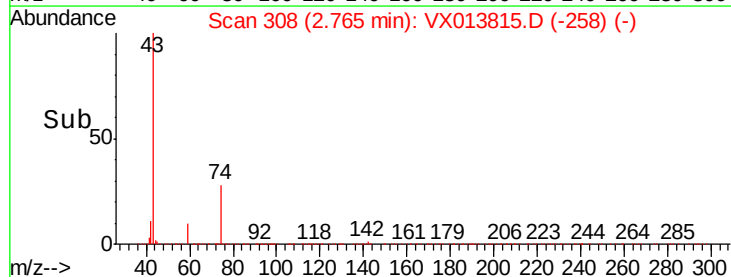
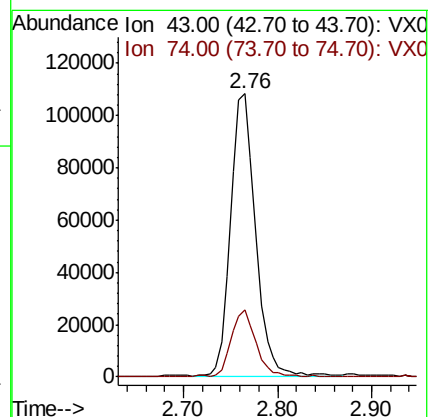
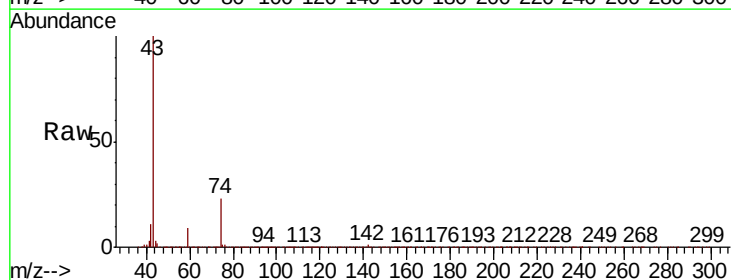
Acq: 06 Dec 2019 22:04

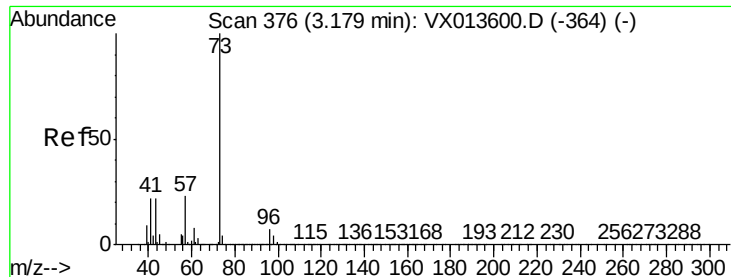
Tgt Ion: 43 Resp: 197883

Ion Ratio Lower Upper

43 100

74 24.1 19.5 29.3

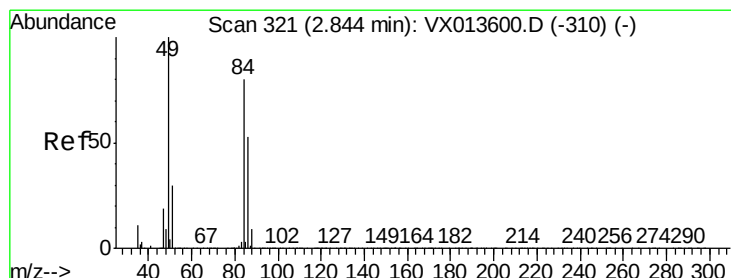
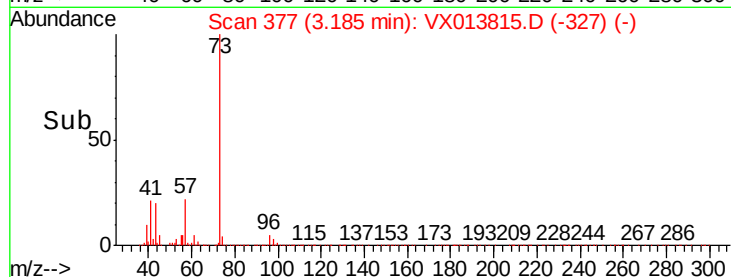
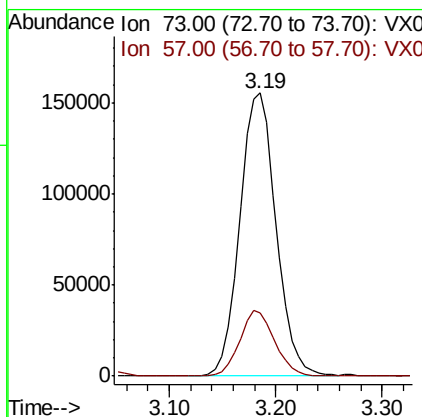
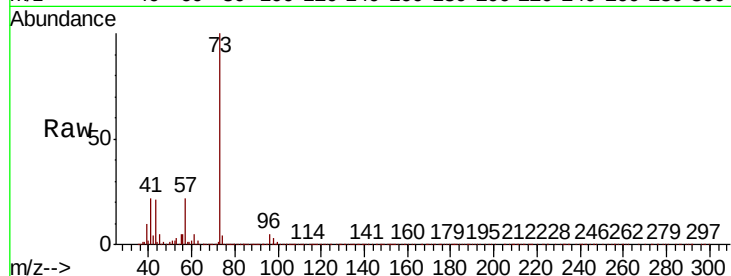




#19
Methyl tert-butyl Ether
Concen: 19.557 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

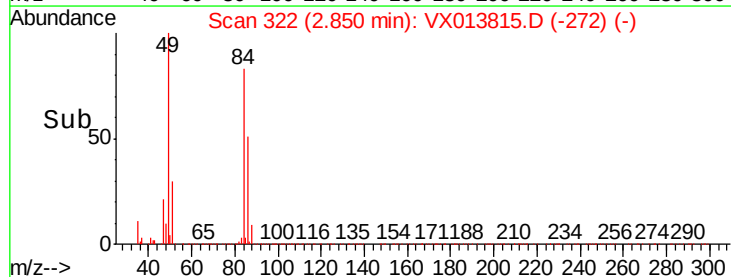
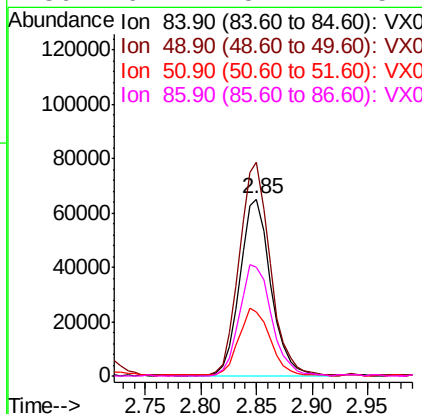
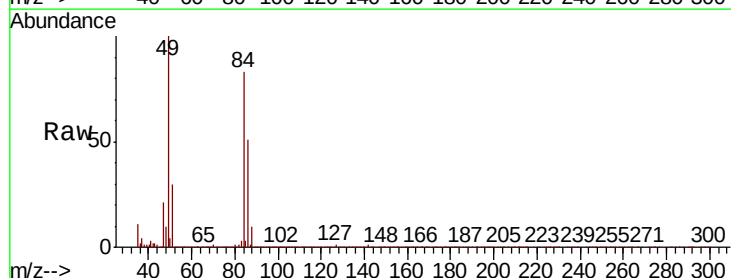
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

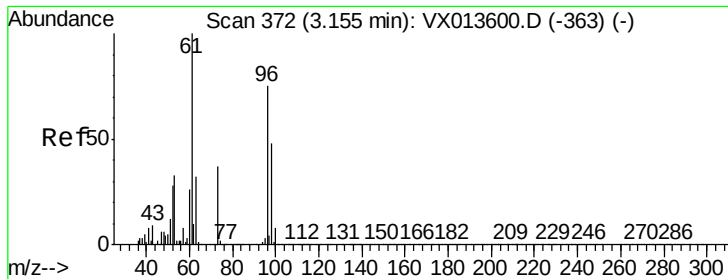
Tot Ion: 73 Resp: 370075
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5



#20
Methylene Chloride
Concen: 19.043 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion: 84 Resp: 125841
Ion Ratio Lower Upper
84 100
49 119.8 99.7 149.5
51 36.5 29.9 44.9
86 61.4 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 18.670 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

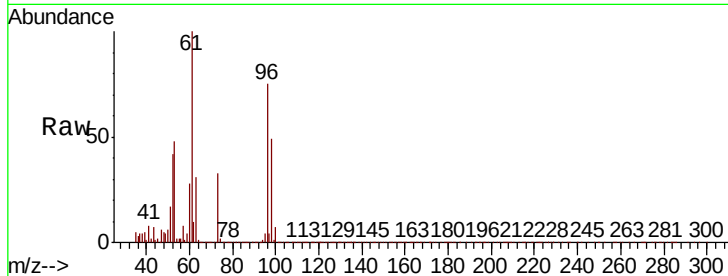
Tot Ion: 96 Resp: 116178

Ion Ratio Lower Upper

96 100

61 132.6 107.2 160.8

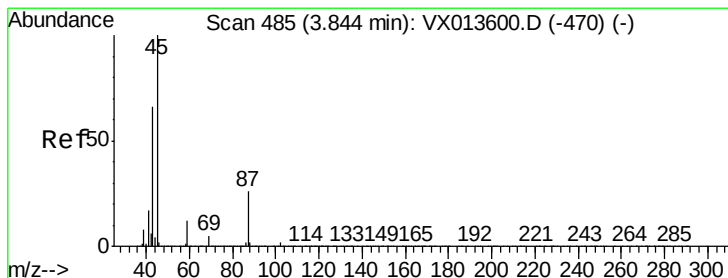
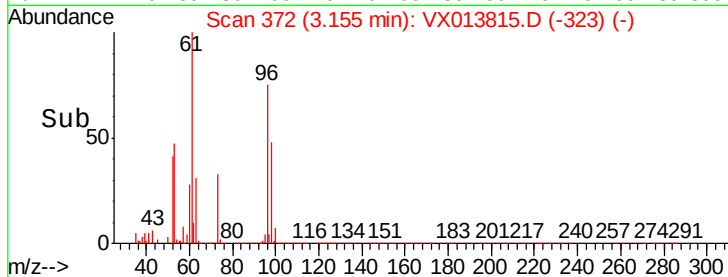
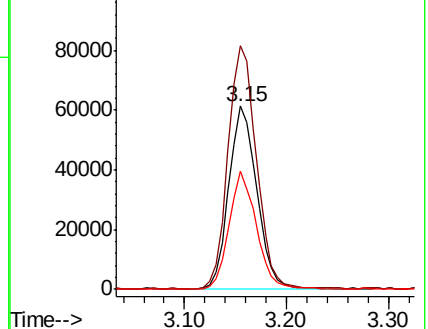
98 64.5 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.613 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Tgt Ion: 45 Resp: 391476

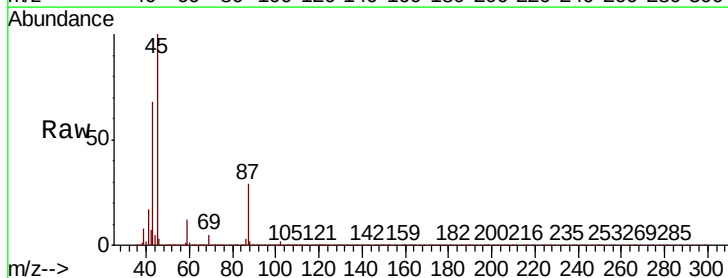
Ion Ratio Lower Upper

45 100

43 67.0 52.6 79.0

87 28.9 21.1 31.7

59 12.0 9.2 13.8

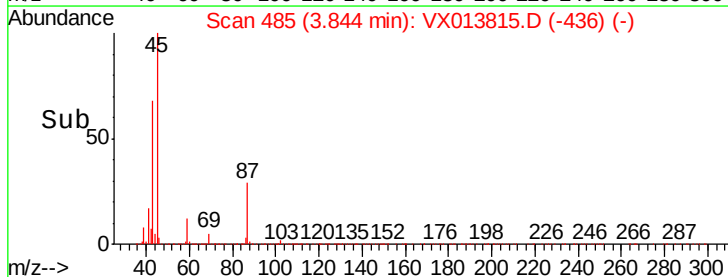
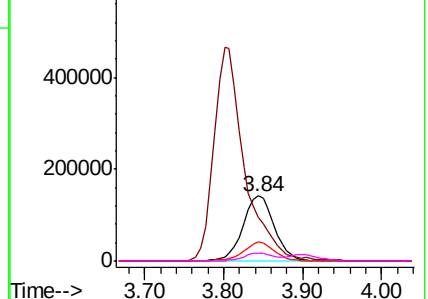


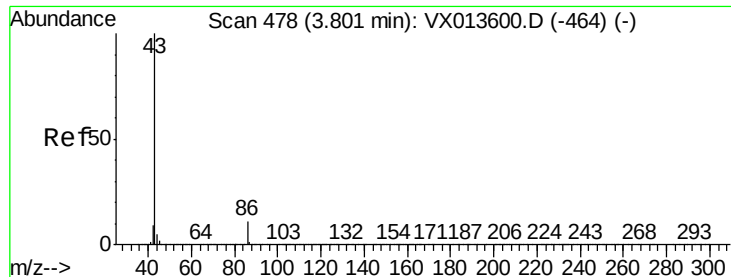
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 75.829 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

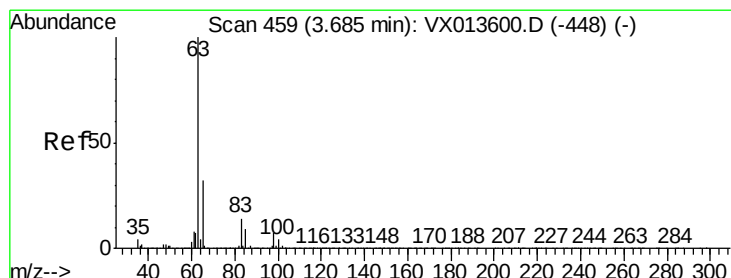
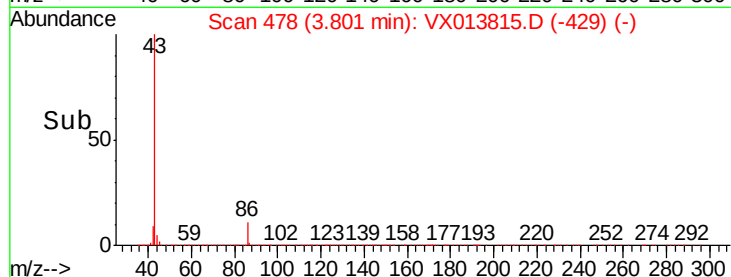
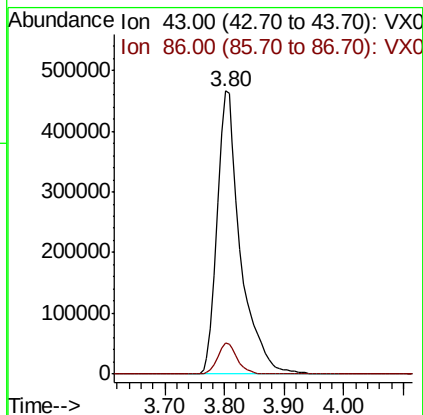
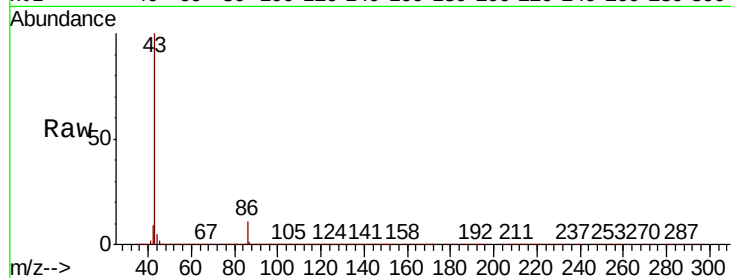
VX1206WBSD02

Tot Ion: 43 Resp: 1259095

Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1



#24

1,1-Dichloroethane

Concen: 19.811 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

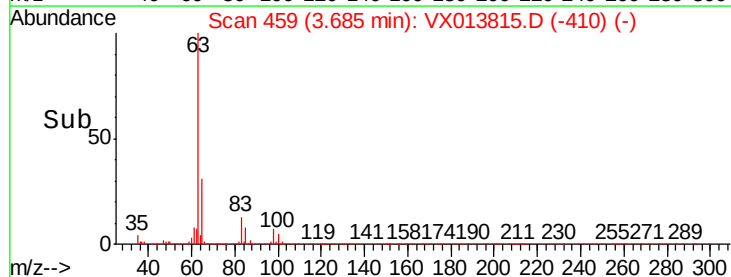
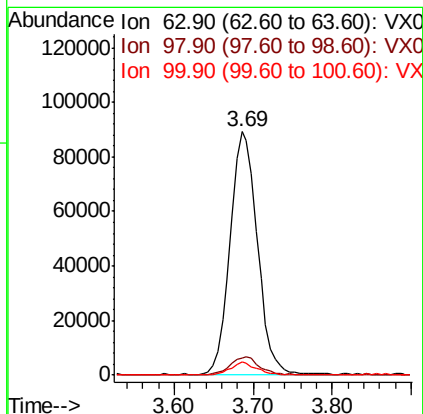
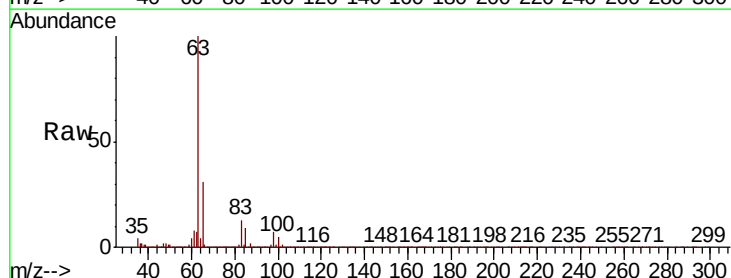
Tgt Ion: 63 Resp: 216162

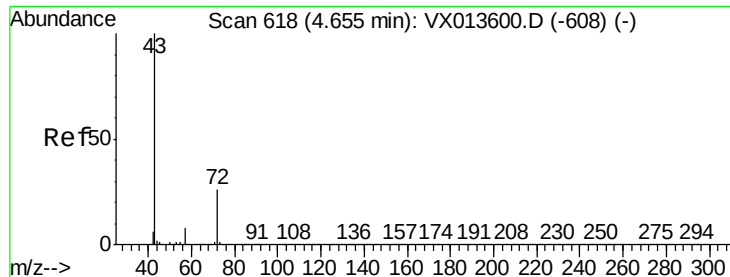
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 5.0 2.1 6.3





#25

2-Butanone

Concen: 100.218 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

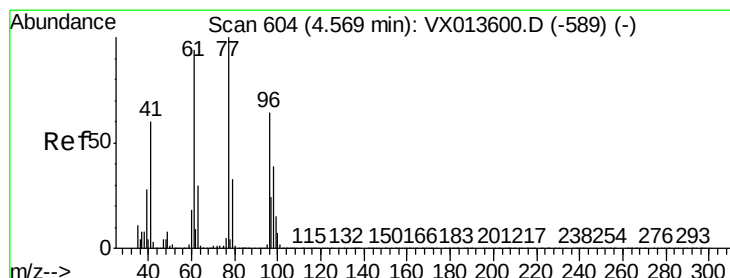
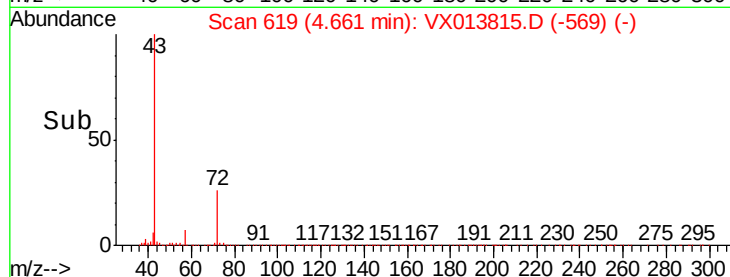
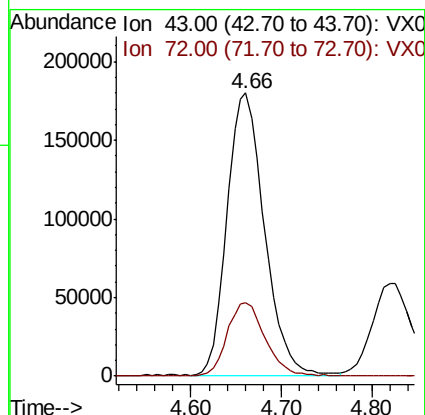
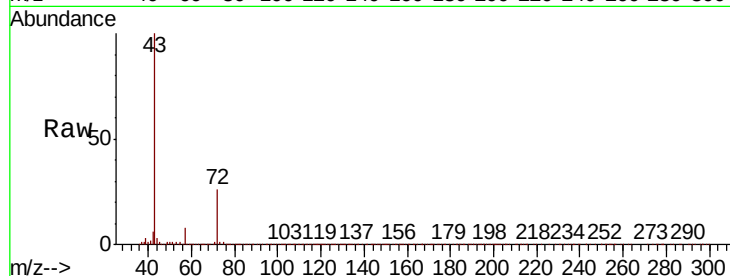
VX1206WBSD02

Tot Ion: 43 Resp: 512321

Ion Ratio Lower Upper

43 100

72 26.0 20.6 31.0



#26

2,2-Dichloropropane

Concen: 15.118 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013815.D

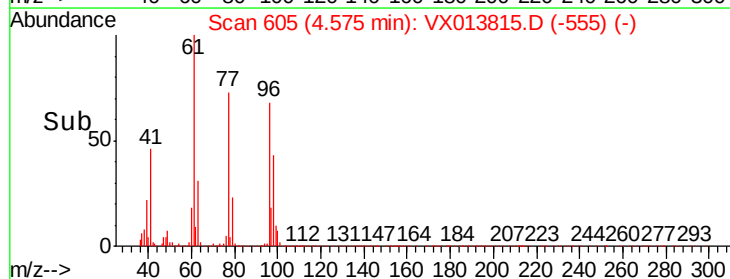
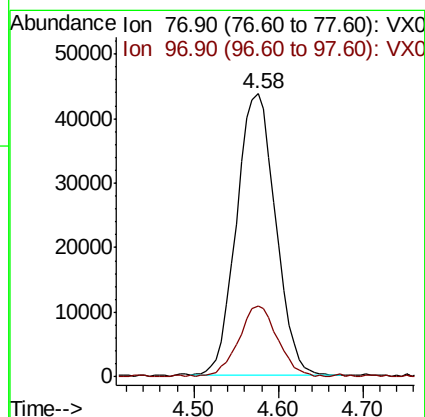
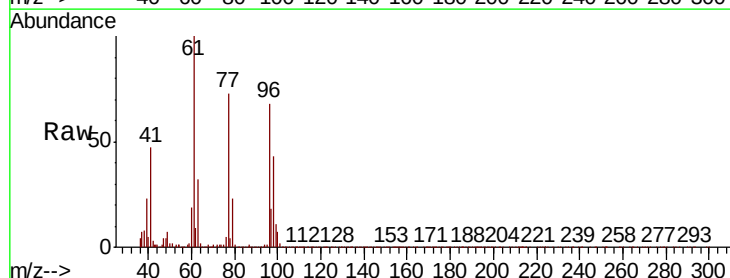
Acq: 06 Dec 2019 22:04

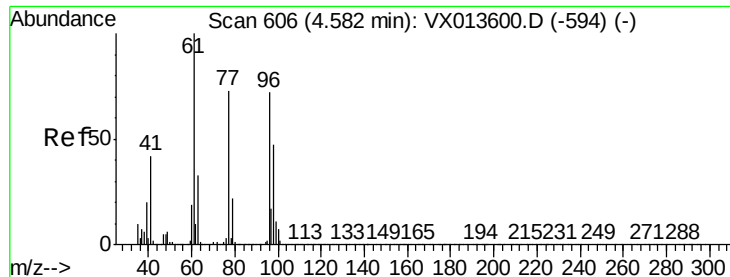
Tgt Ion: 77 Resp: 136477

Ion Ratio Lower Upper

77 100

97 24.9 12.0 36.1



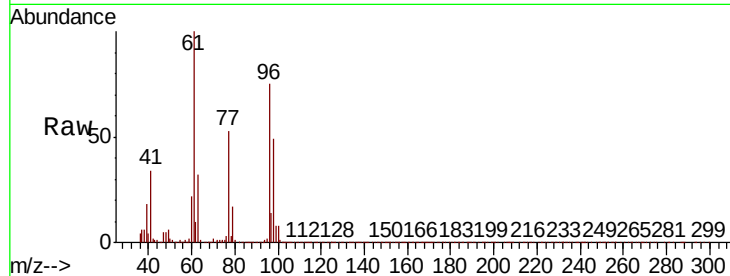


#27

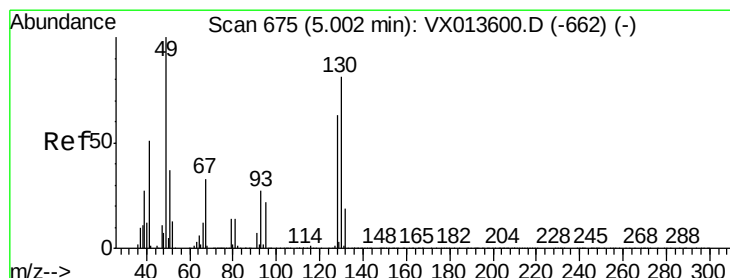
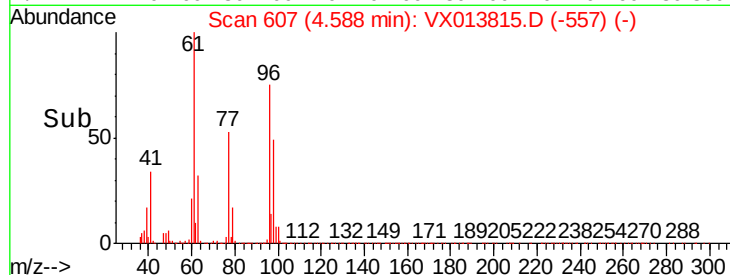
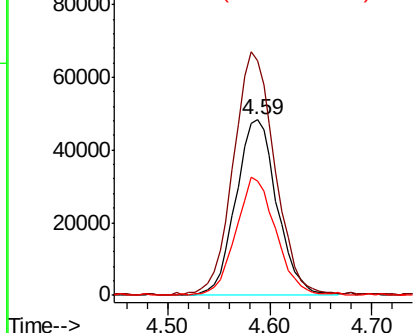
cis-1,2-Dichloroethene
Concen: 18.961 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	286.4
98	64.9	0.0	127.4



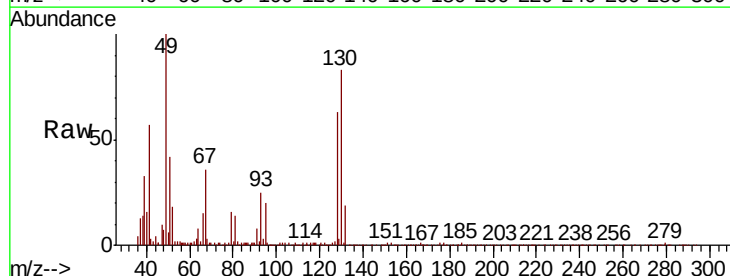
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



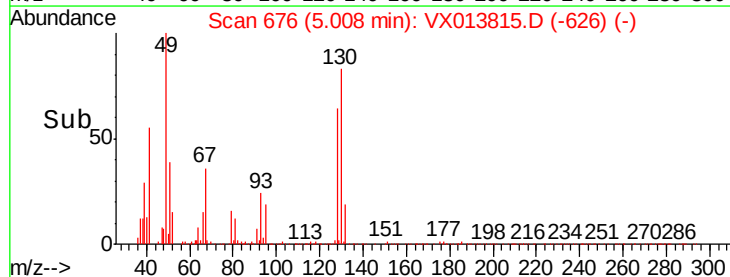
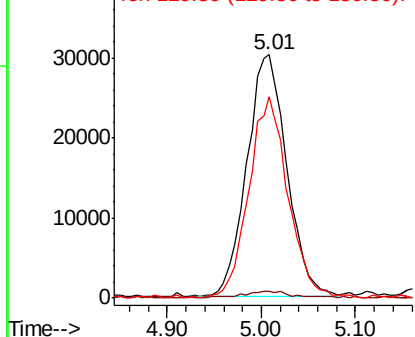
#28

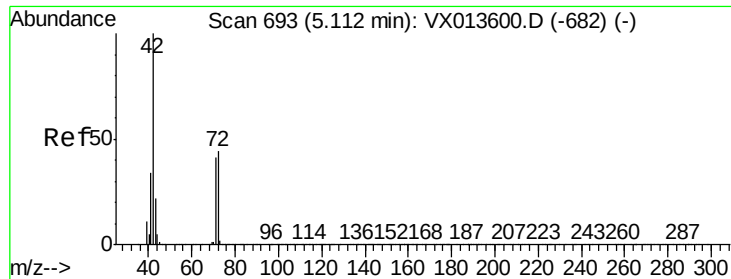
Bromochloromethane
Concen: 20.902 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	80.8	65.4	98.0



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

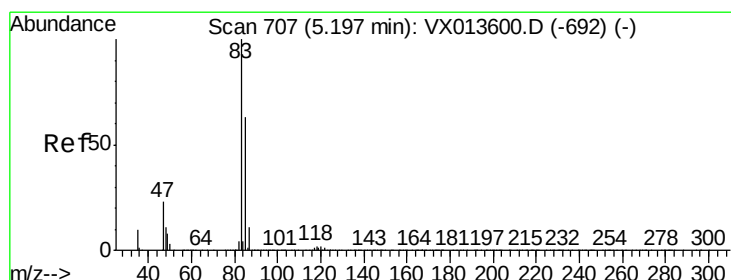
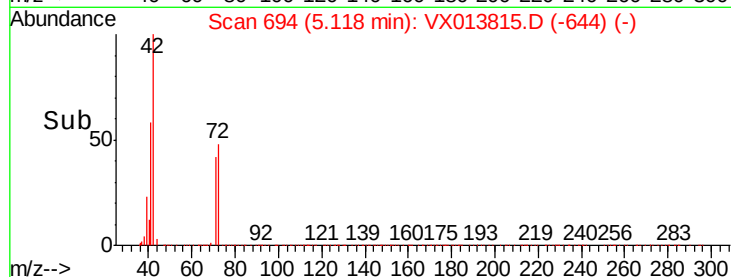
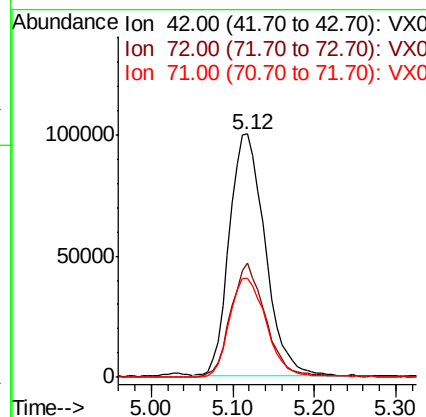
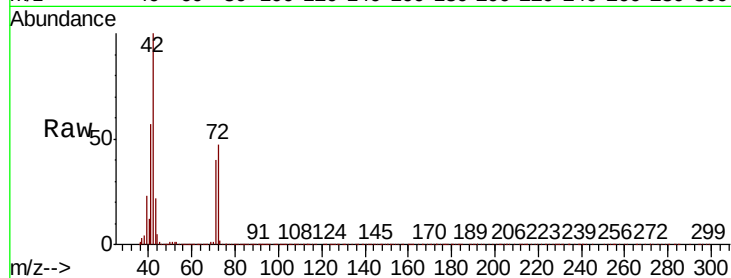




#29
Tetrahydrofuran
Concen: 95.998 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

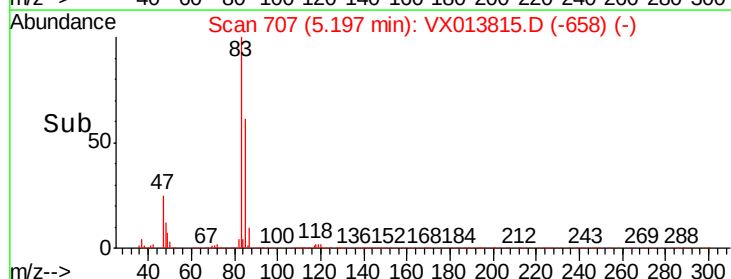
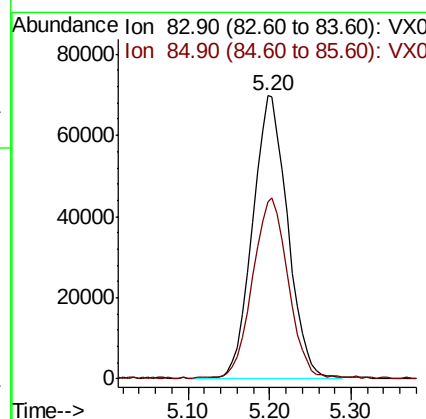
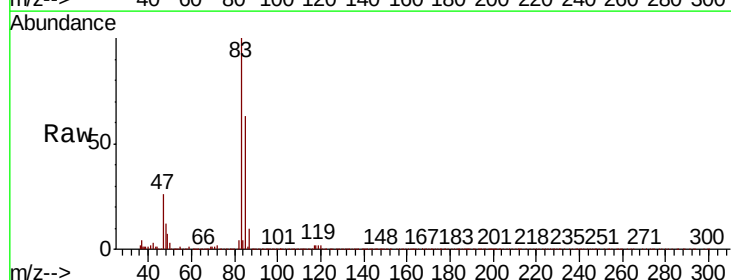
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

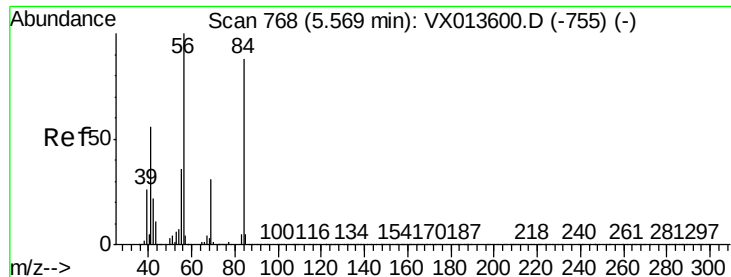
Tot Ion: 42 Resp: 302533
Ion Ratio Lower Upper
42 100
72 45.8 36.3 54.5
71 42.3 33.2 49.8



#30
Chloroform
Concen: 18.793 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion: 83 Resp: 207959
Ion Ratio Lower Upper
83 100
85 62.5 50.2 75.4

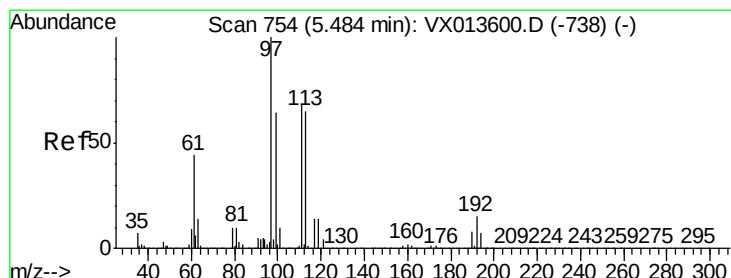
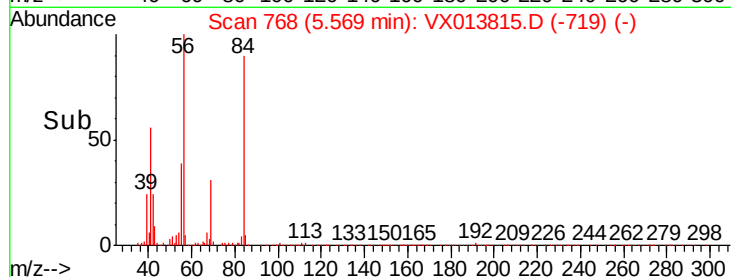
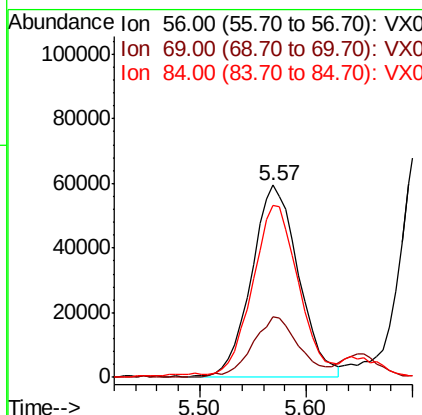
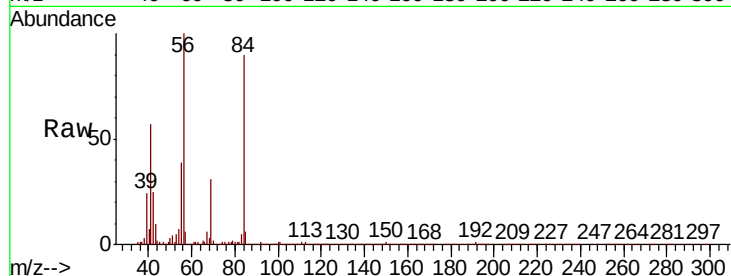




#31
Cyclohexane
Concen: 17.628 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

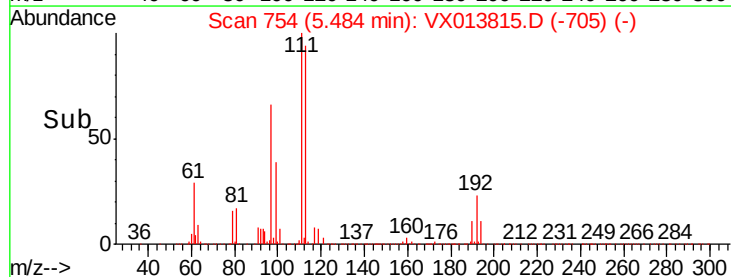
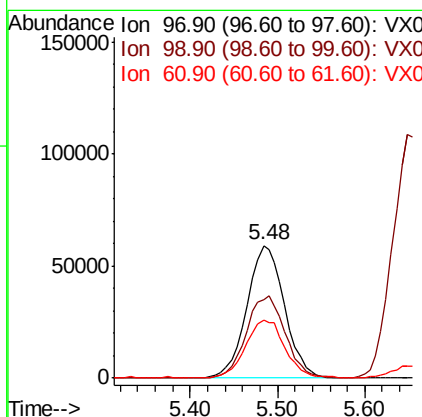
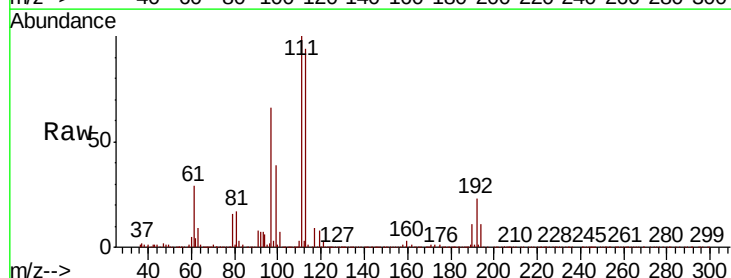
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

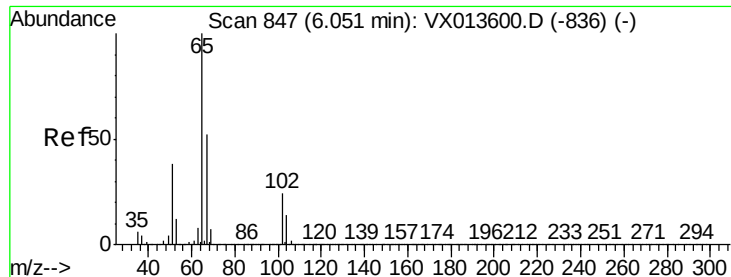
Tot Ion: 56 Resp: 181419
Ion Ratio Lower Upper
56 100
69 31.1 24.6 36.8
84 88.7 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 19.016 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion: 97 Resp: 175850
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 45.1 36.1 54.1

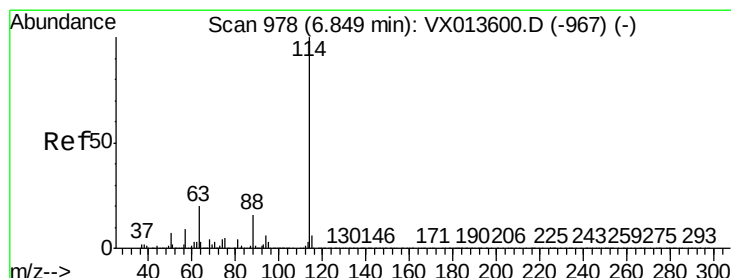
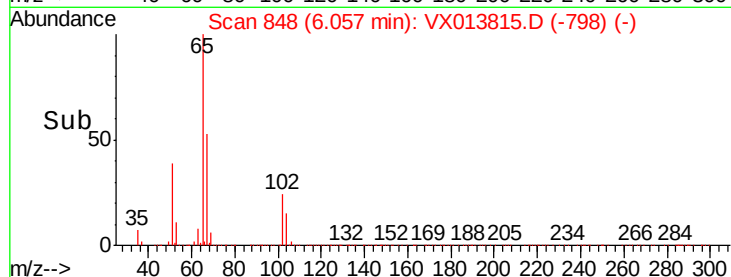
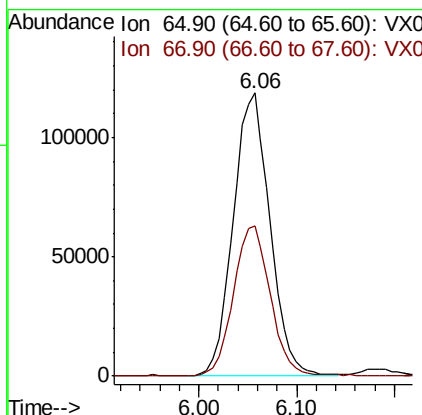
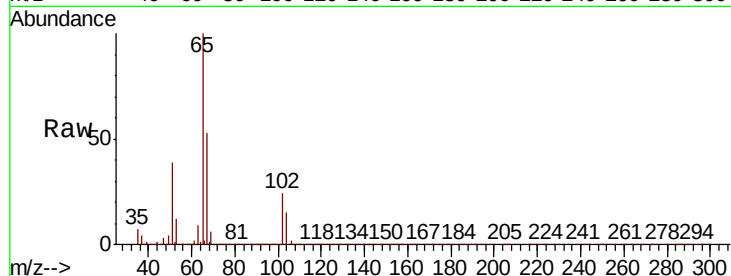




#33
 1,2-Dichloroethane-d4
 Concen: 44.274 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

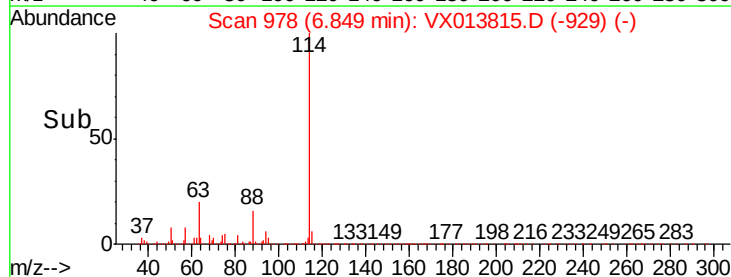
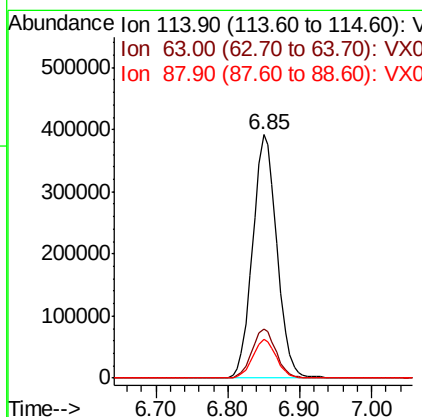
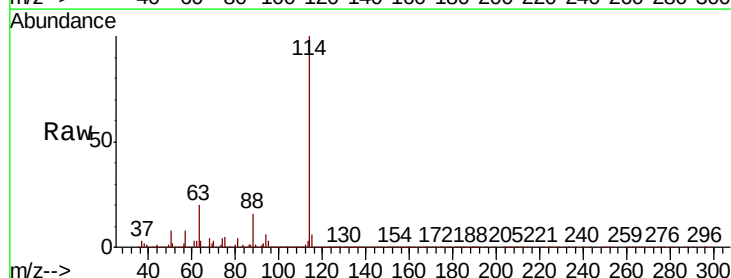
Instrument :
 MSVOA_X
 ClientSampleID :
 VX1206WBSD02

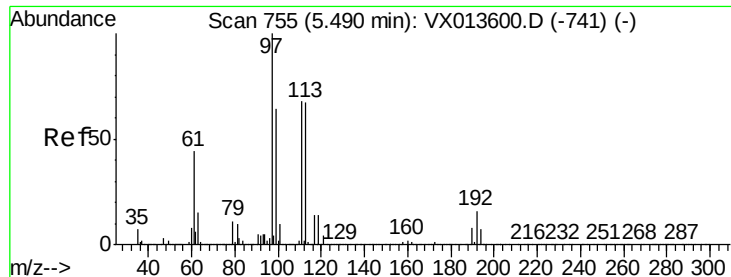
Tot Ion: 65 Resp: 308461
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

Tgt Ion: 114 Resp: 917174
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.6
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.108 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

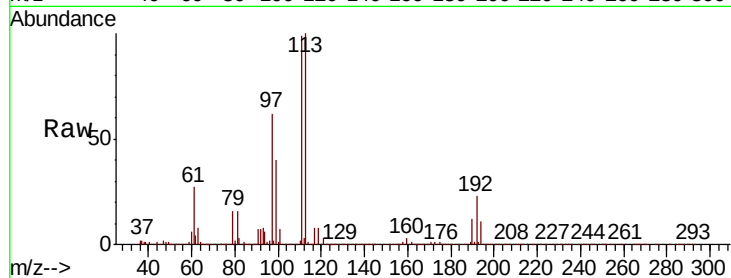
Tot Ion:113 Resp: 255765

Ion Ratio Lower Upper

113 100

111 103.4 83.6 125.4

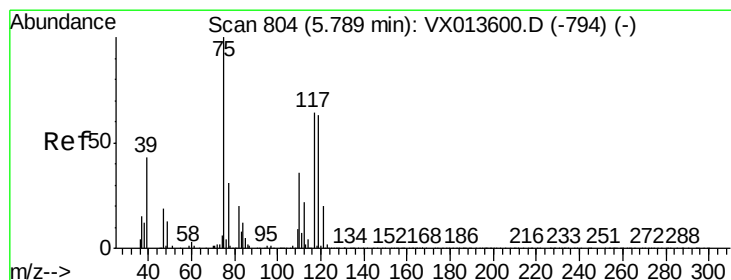
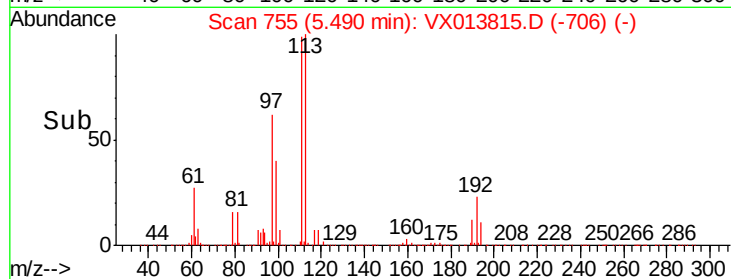
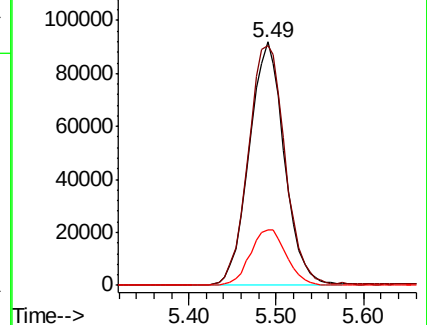
192 23.9 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.436 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

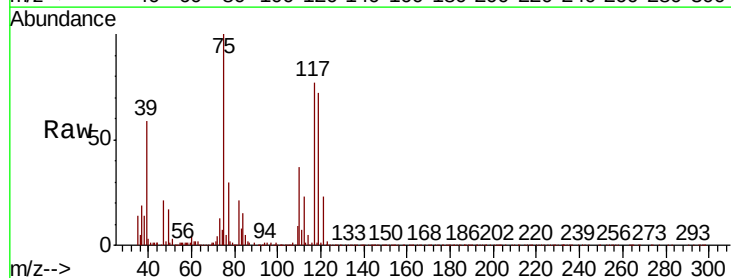
Tgt Ion: 75 Resp: 153492

Ion Ratio Lower Upper

75 100

110 37.3 18.1 54.1

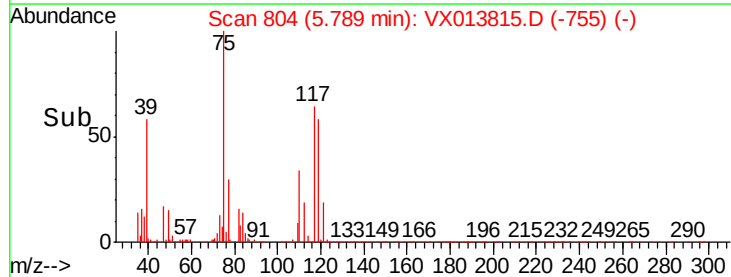
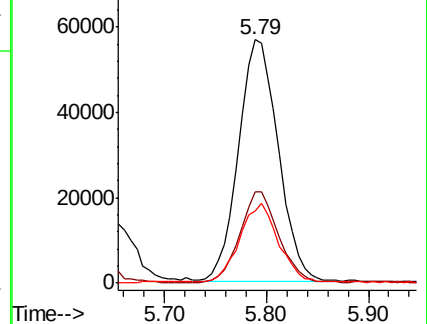
77 31.6 24.5 36.7

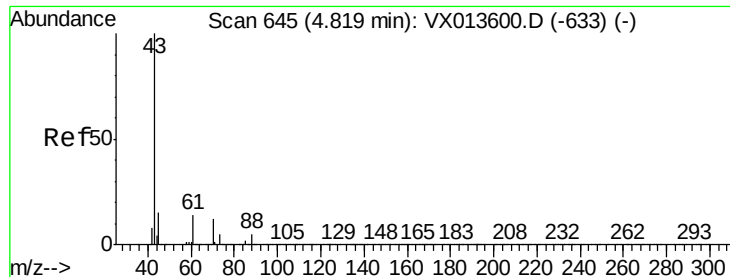


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

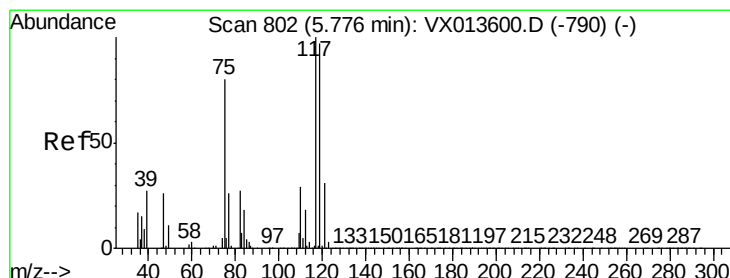
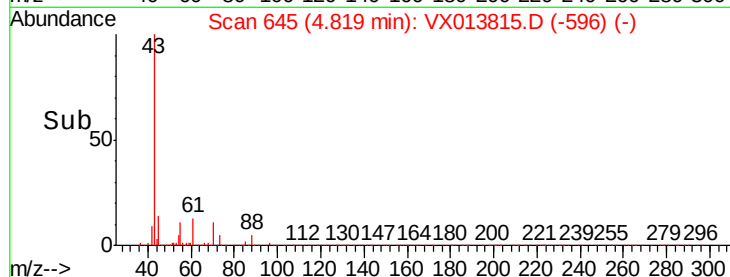
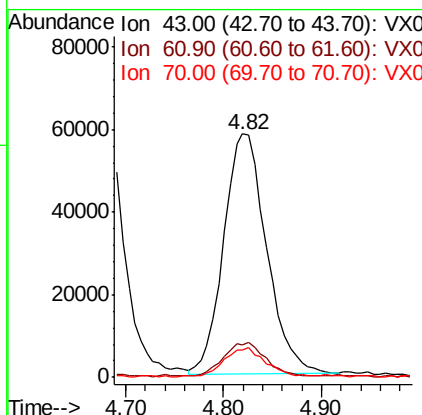
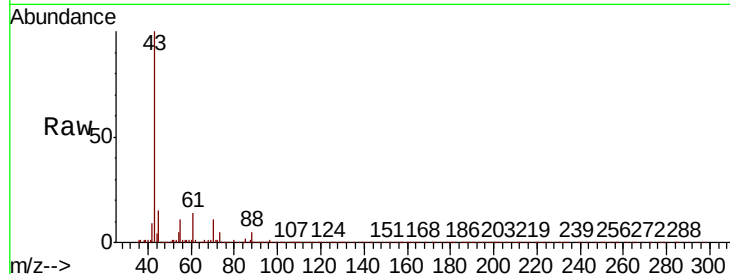




#37
Ethyl Acetate
Concen: 18.828 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

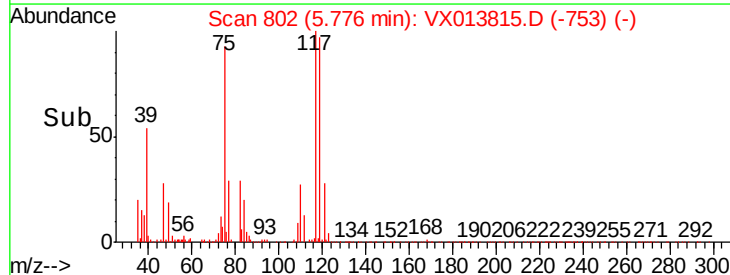
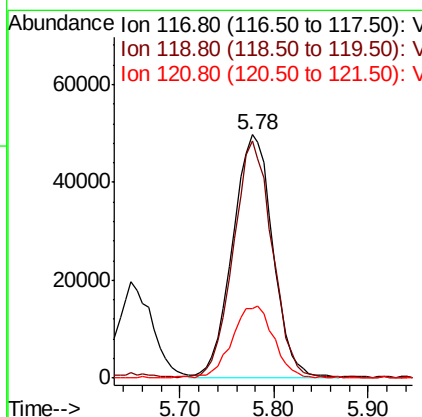
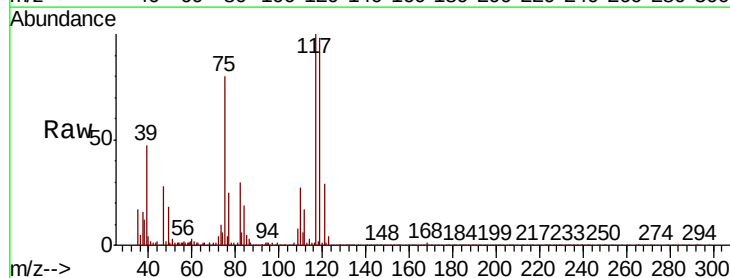
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

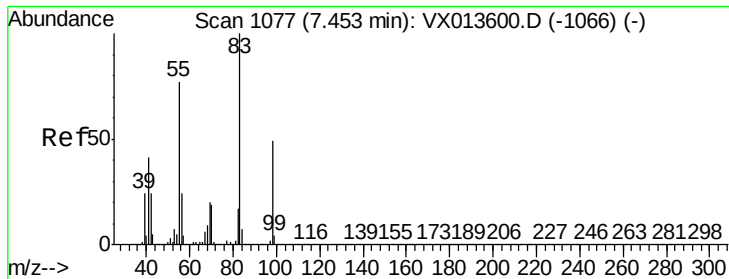
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	11.7	8.6	12.8



#38
Carbon Tetrachloride
Concen: 19.144 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.5	116.3
121	28.1	25.0	37.6

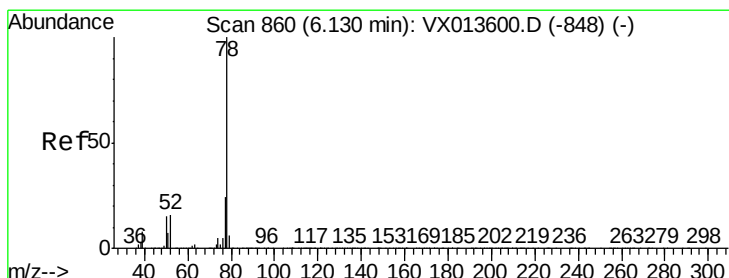
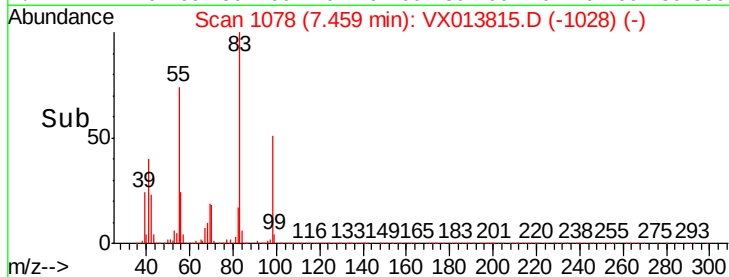
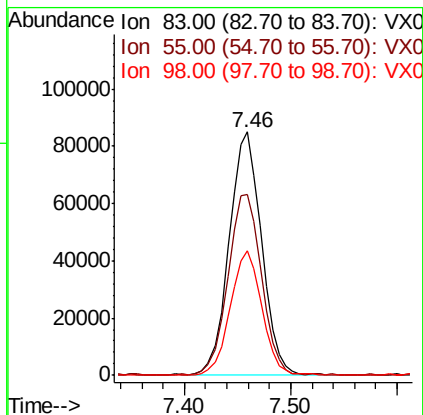
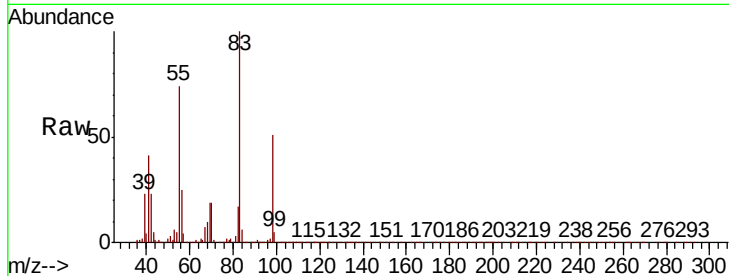




#39
Methylvlcyclohexane
Concen: 17.486 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

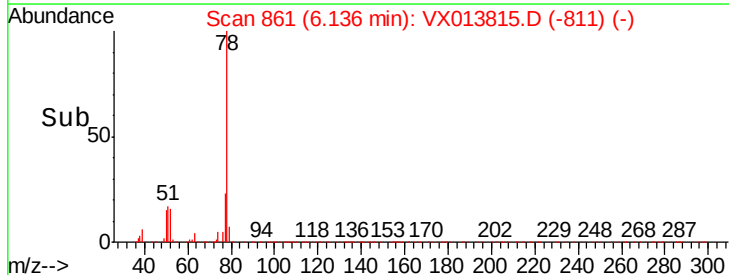
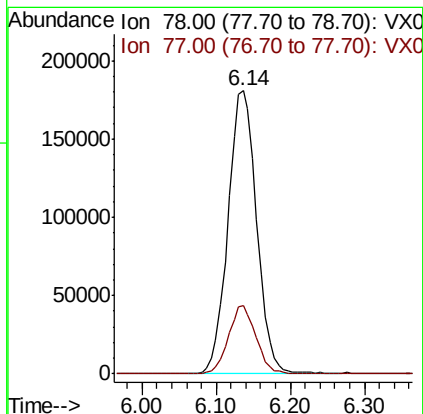
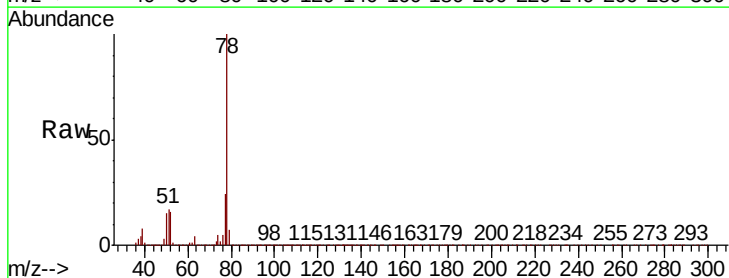
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

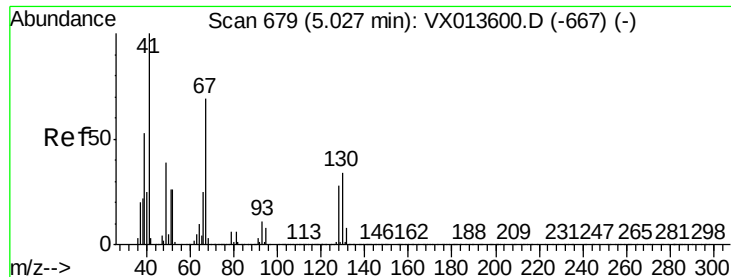
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.9	92.9
98	51.0	39.4	59.0



#40
Benzene
Concen: 19.091 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 19.262 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

Tot Ion: 41 Resp: 98666

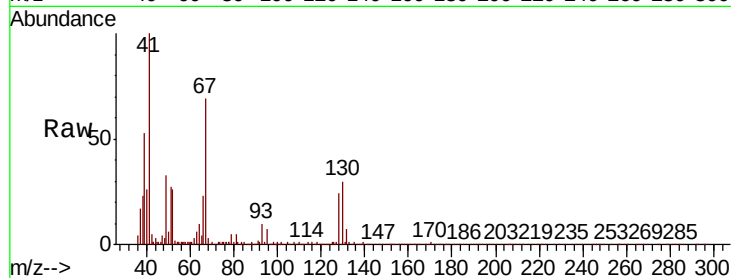
Ion Ratio Lower Upper

41 100

39 54.4 42.9 64.3

67 72.1 57.4 86.0

52 27.6 22.4 33.6



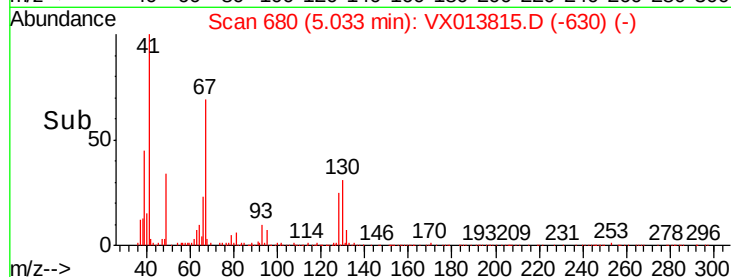
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

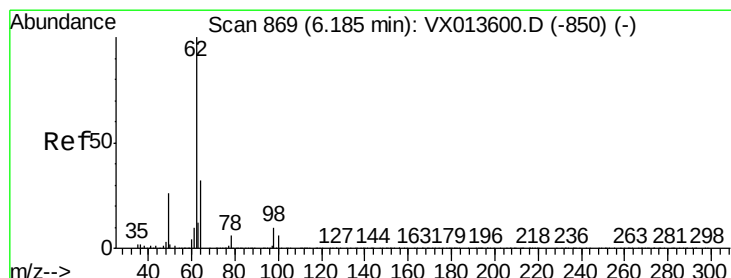
Ion 52.00 (51.70 to 52.70): VX0

Time-->



Abundance

Time-->



#42

1,2-Dichloroethane

Concen: 19.472 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX013815.D

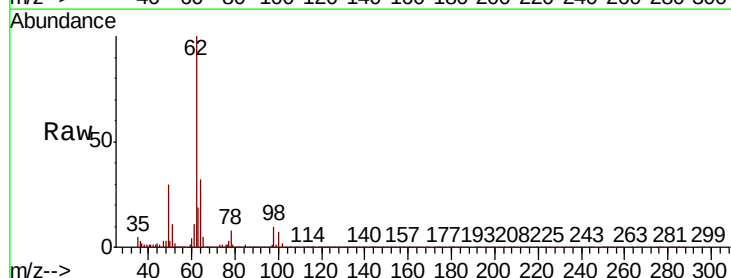
Acq: 06 Dec 2019 22:04

Tgt Ion: 62 Resp: 168393

Ion Ratio Lower Upper

62 100

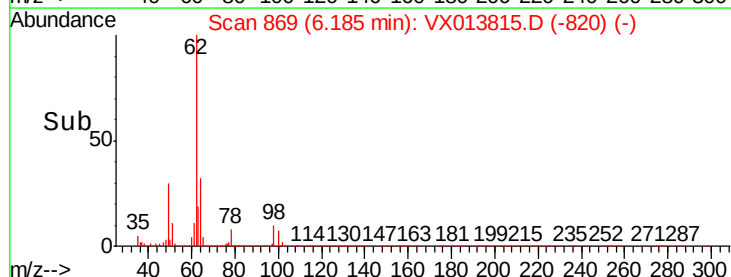
98 10.1 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

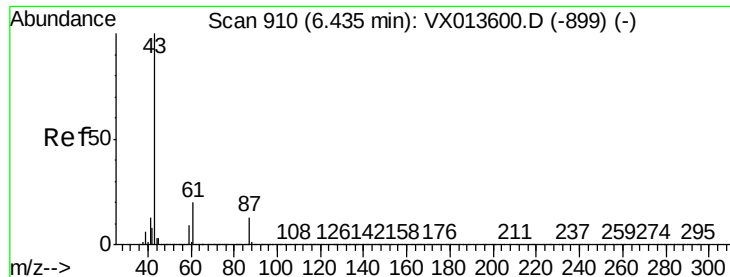
Ion 97.90 (97.60 to 98.60): VX0

Time-->



Abundance

Time-->



#43

Isopropyl Acetate

Concen: 18.769 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

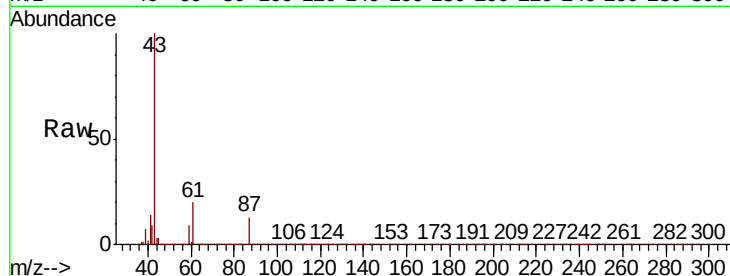
Tot Ion: 43 Resp: 288603

Ion Ratio Lower Upper

43 100

61 20.6 16.3 24.5

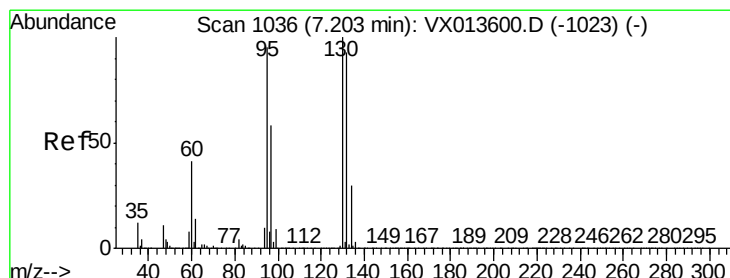
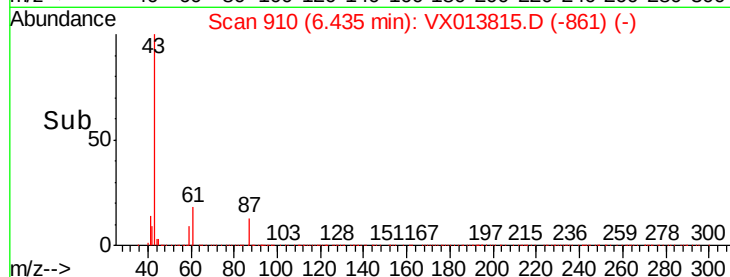
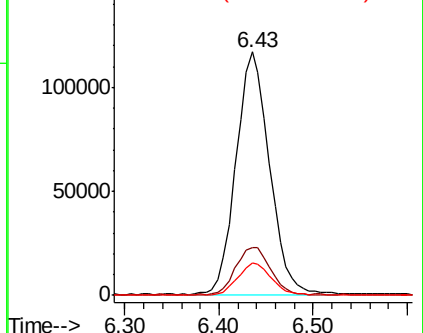
87 13.8 10.8 16.2



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: 19.308 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013815.D

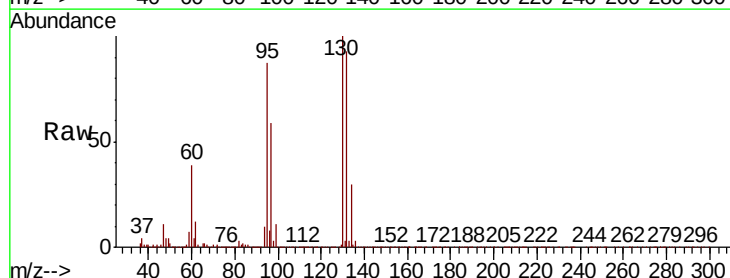
Acq: 06 Dec 2019 22:04

Tgt Ion:130 Resp: 134370

Ion Ratio Lower Upper

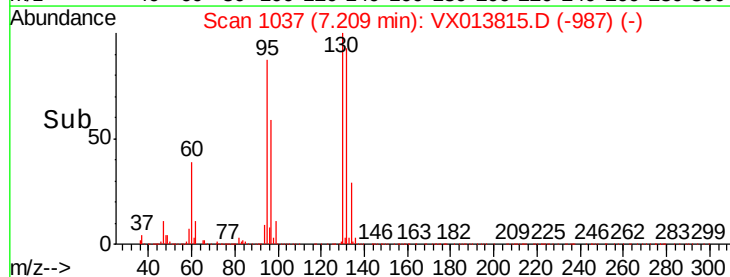
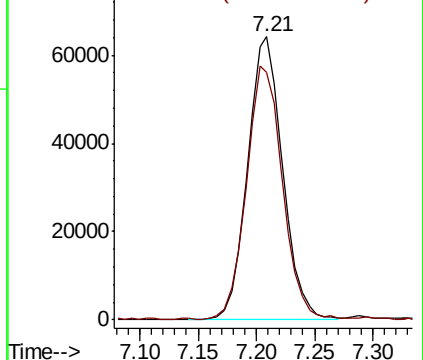
130 100

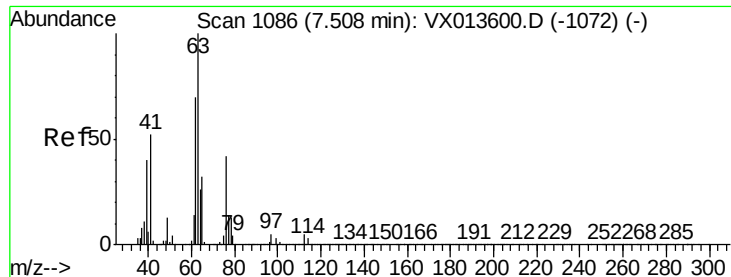
95 87.0 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

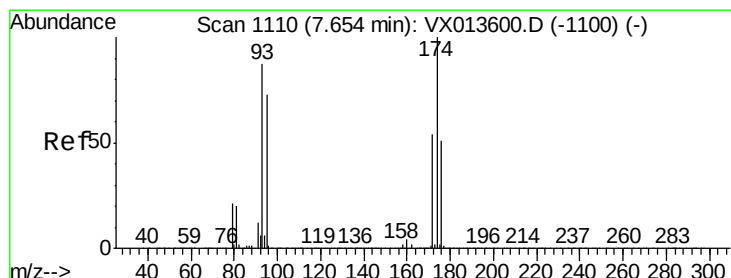
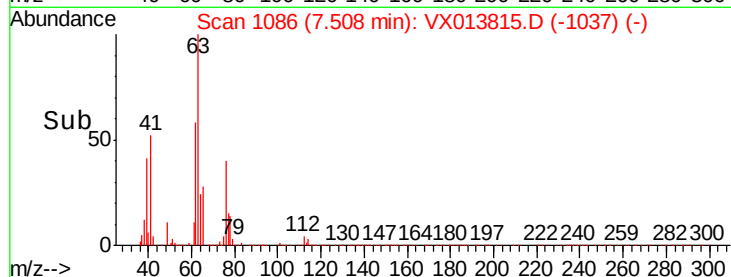
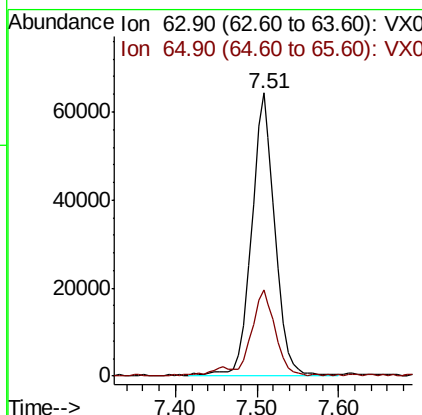
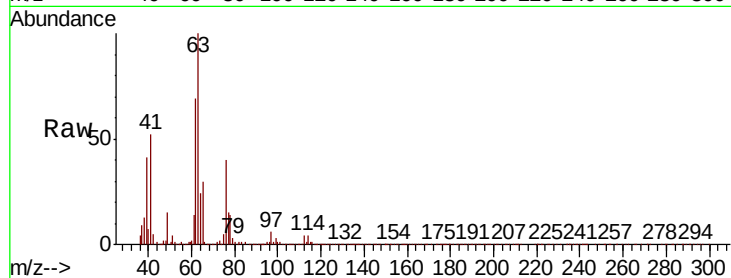




#45
 1,2-Dichloropropane
 Concen: 20.362 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

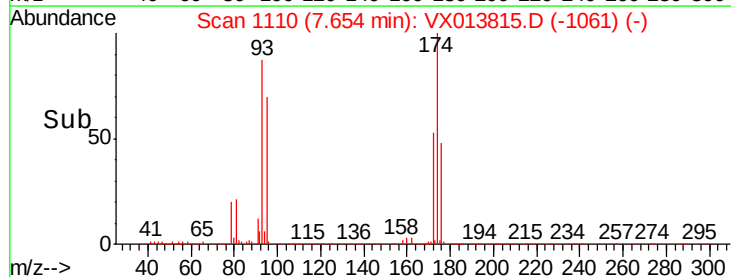
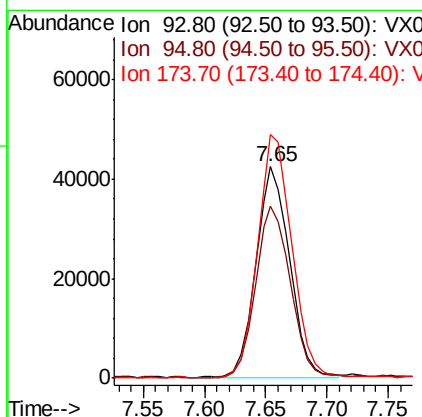
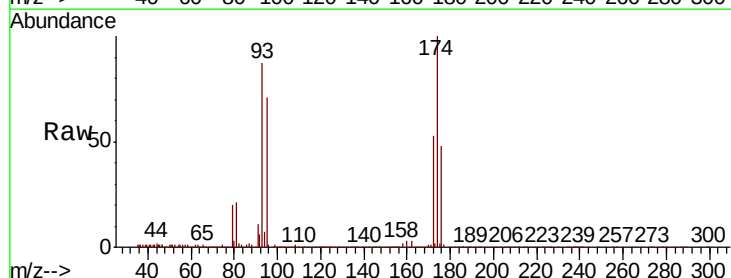
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBSD02

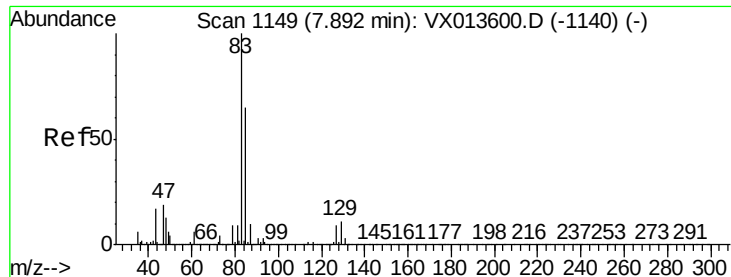
Tot Ion: 63 Resp: 129185
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.5 38.3



#46
 Dibromomethane
 Concen: 18.877 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

Tgt Ion: 93 Resp: 81338
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.2 99.2
 174 117.7 93.4 140.0





#47

Bromodichloromethane

Concen: 19.471 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

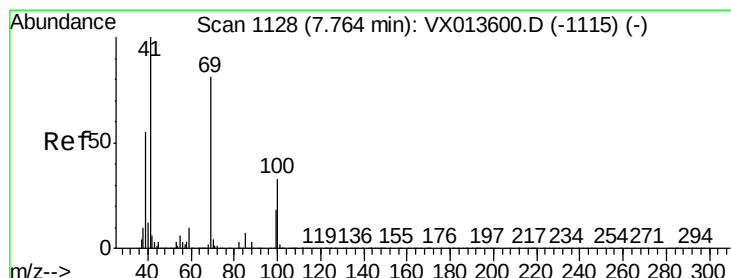
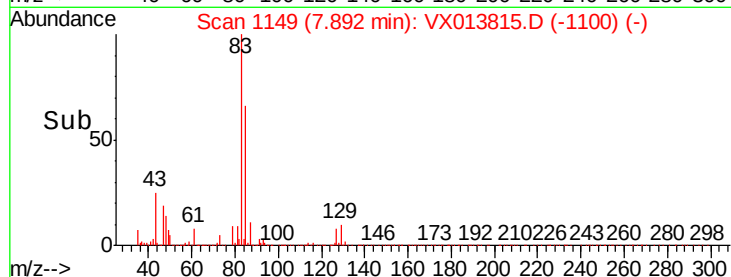
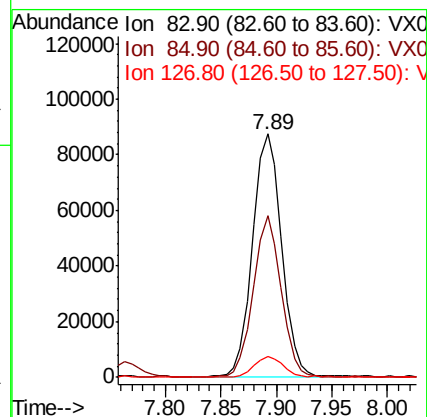
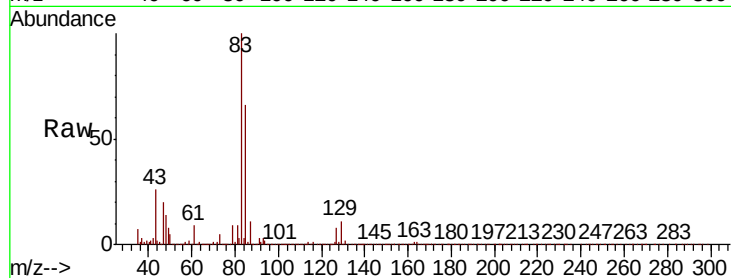
Tot Ion: 83 Resp: 158609

Ion Ratio Lower Upper

83 100

85 66.4 52.1 78.1

127 8.3 7.0 10.4



#48

Methyl methacrylate

Concen: 19.241 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

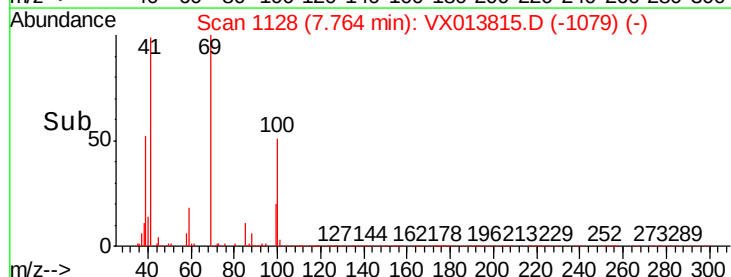
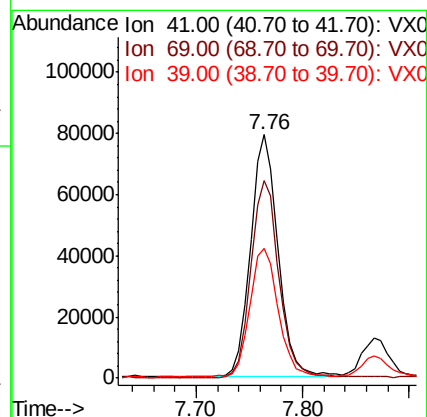
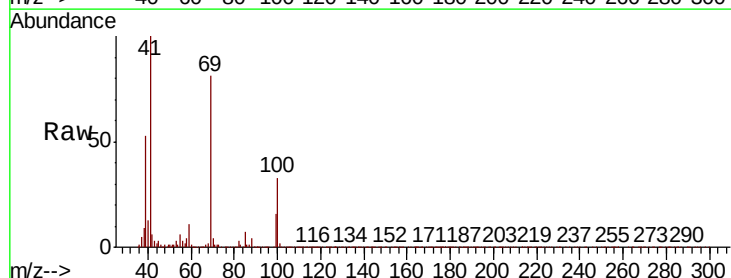
Tgt Ion: 41 Resp: 143751

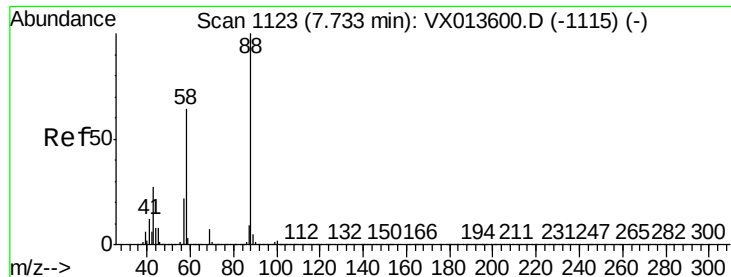
Ion Ratio Lower Upper

41 100

69 83.3 64.7 97.1

39 54.6 43.8 65.6





#49

1,4-Dioxane

Concen: 342.053 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

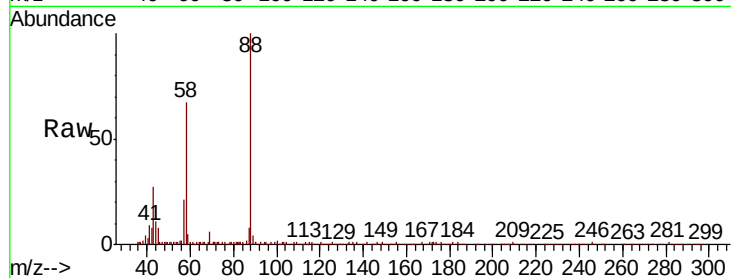
Tot Ion: 88 Resp: 57203

Ion Ratio Lower Upper

88 100

43 32.7 25.8 38.6

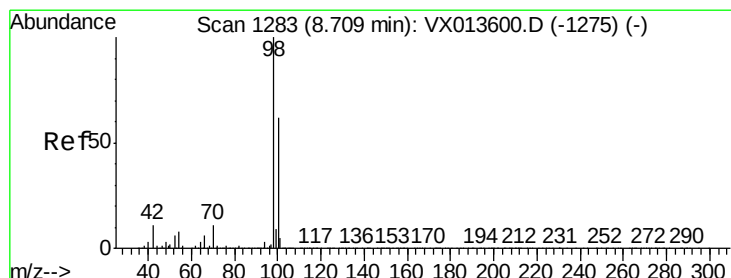
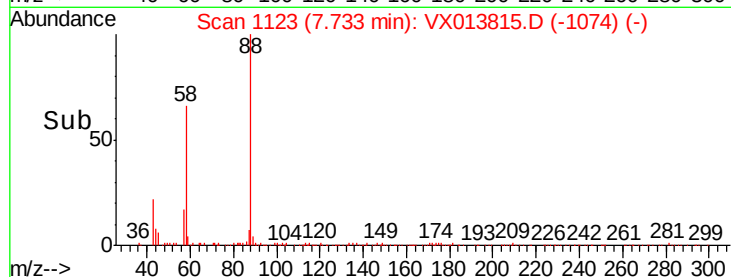
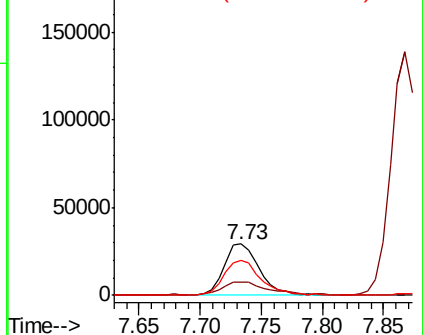
58 70.9 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 44.559 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013815.D

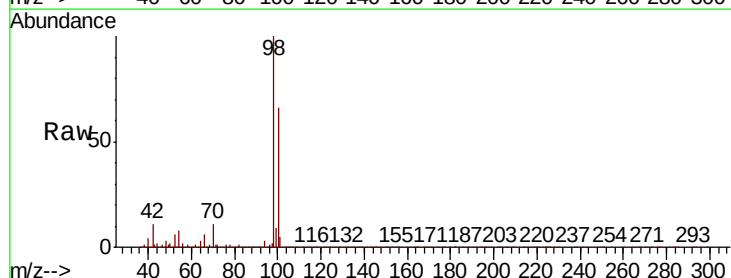
Acq: 06 Dec 2019 22:04

Tgt Ion: 98 Resp: 984371

Ion Ratio Lower Upper

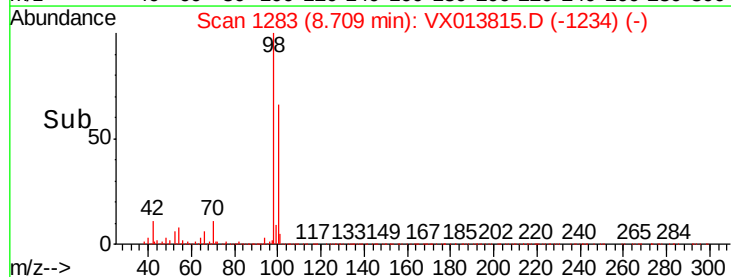
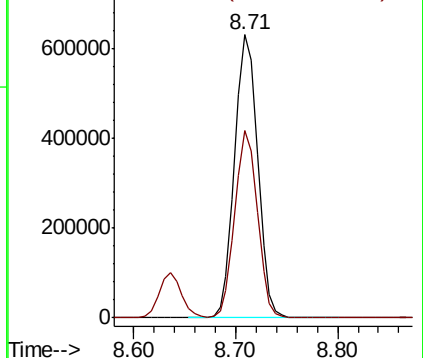
98 100

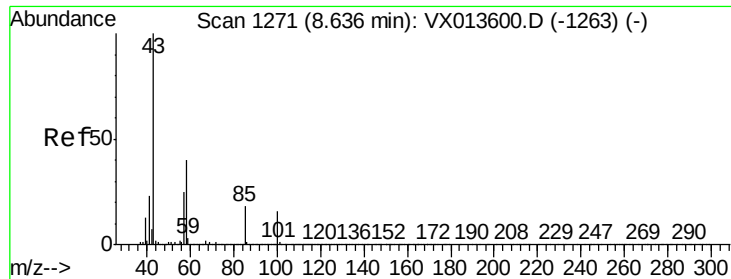
100 65.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 97.320 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

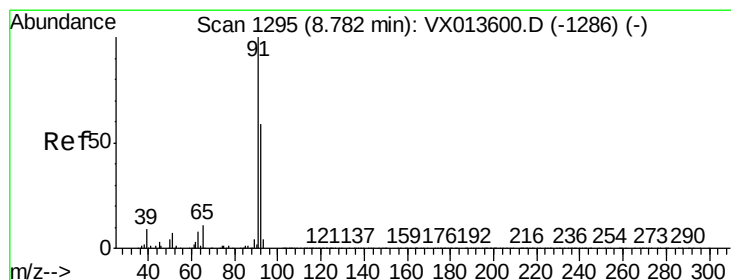
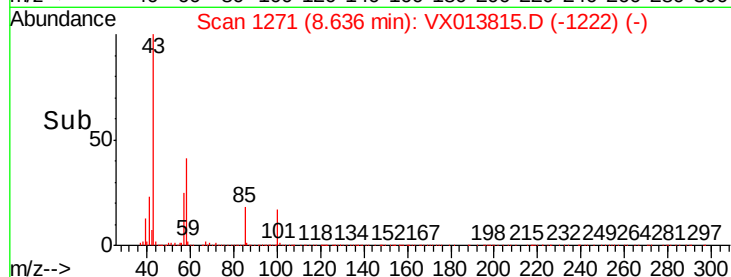
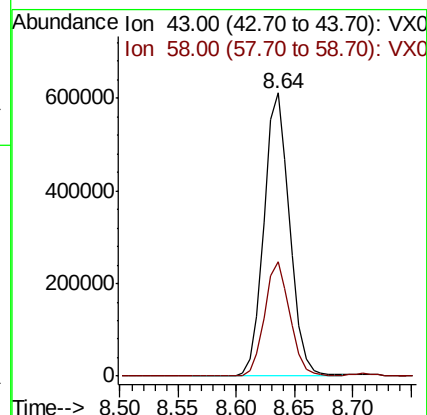
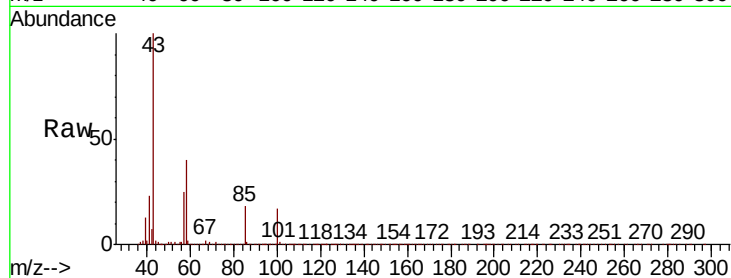
VX1206WBSD02

Tot Ion: 43 Resp: 941316

Ion Ratio Lower Upper

43 100

58 39.5 32.1 48.1



#52

Toluene

Concen: 19.045 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013815.D

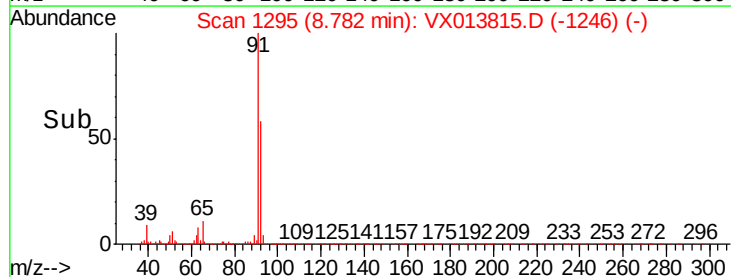
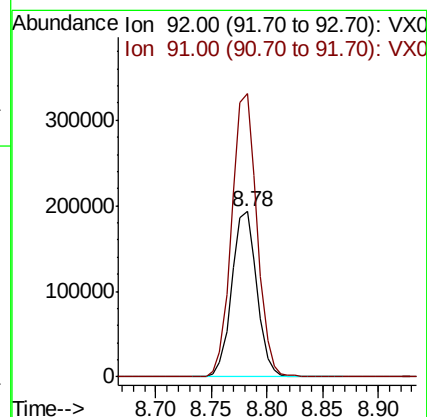
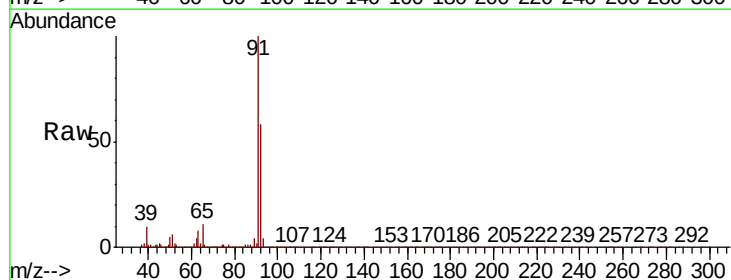
Acq: 06 Dec 2019 22:04

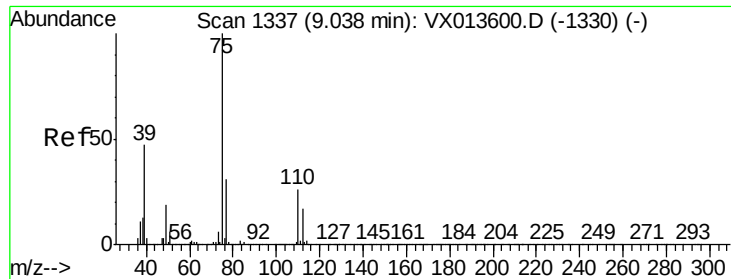
Tgt Ion: 92 Resp: 300009

Ion Ratio Lower Upper

92 100

91 172.7 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 17.917 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

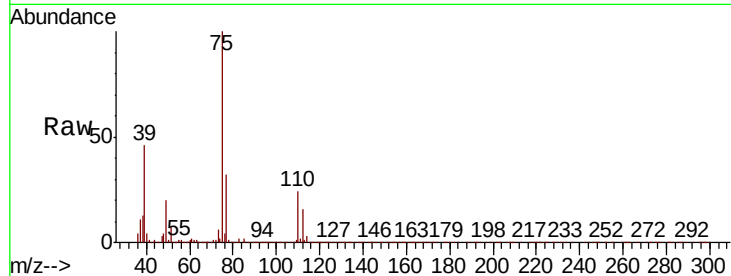
VX1206WBSD02

Tot Ion: 75 Resp: 166128

Ion Ratio Lower Upper

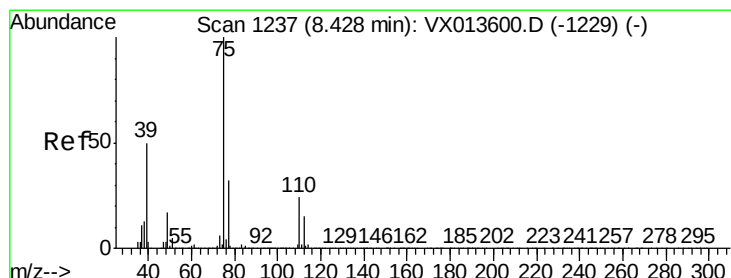
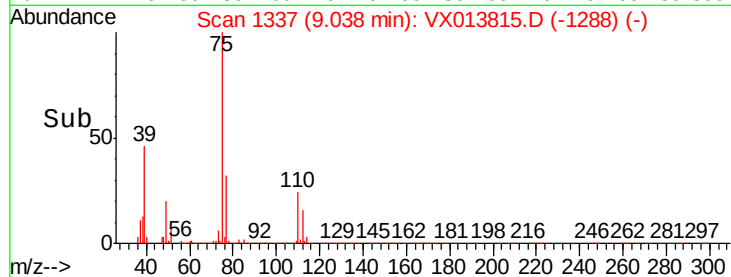
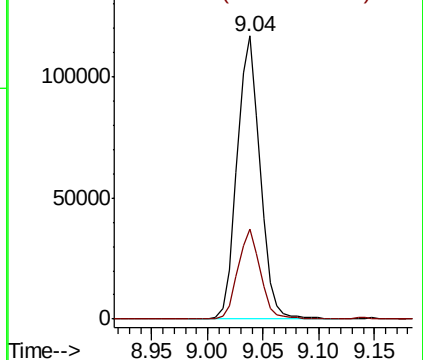
75 100

77 31.6 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.278 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

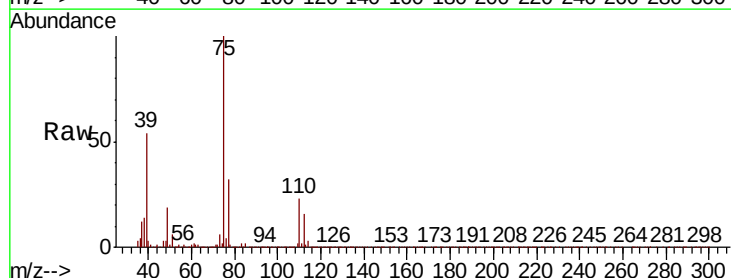
Tgt Ion: 75 Resp: 185156

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

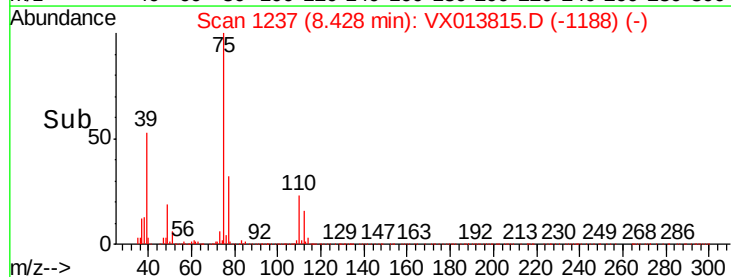
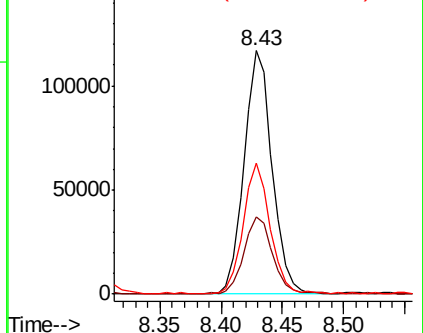
39 53.5 39.9 59.9

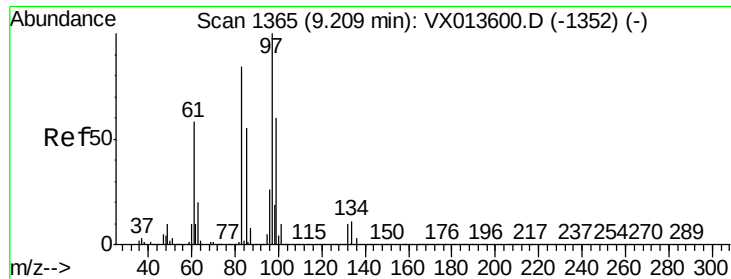


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

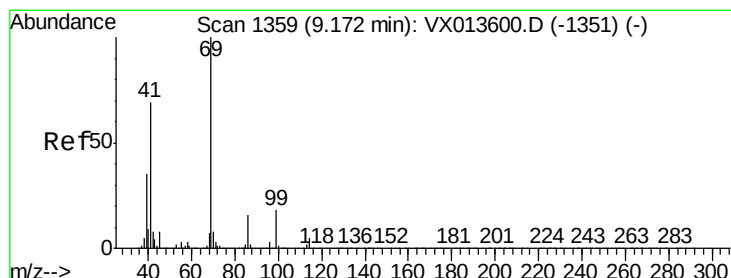
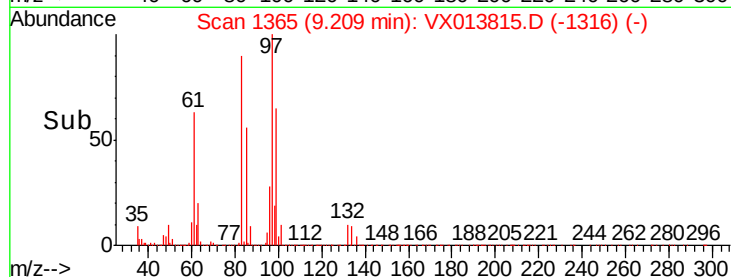
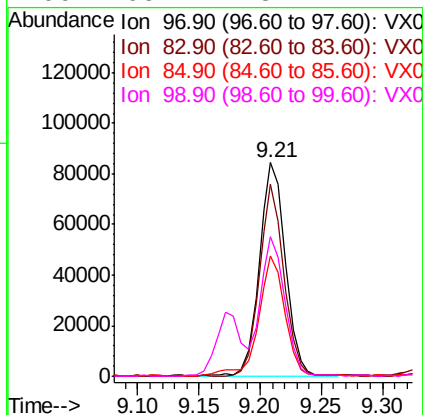
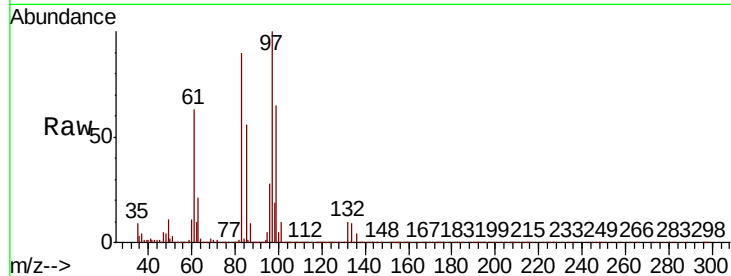




#55
 1,1,2-Trichloroethane
 Concen: 19.678 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

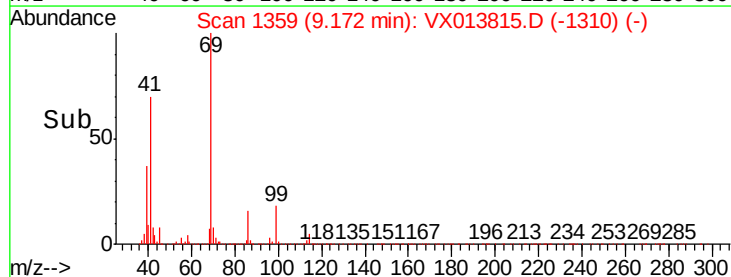
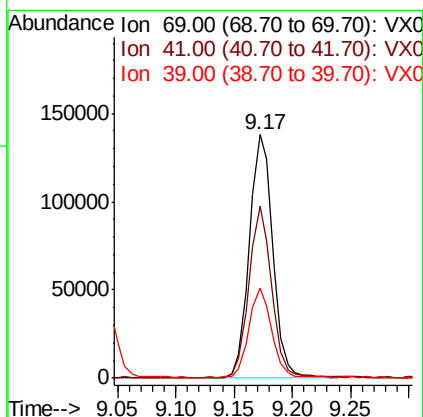
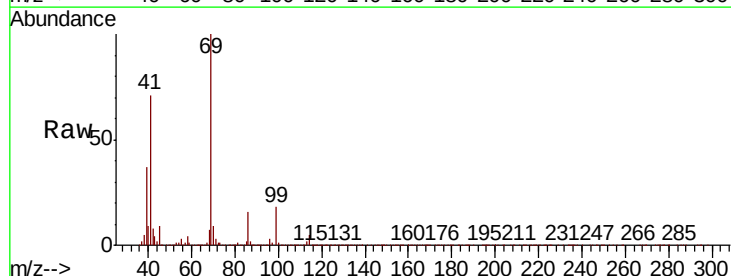
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBSD02

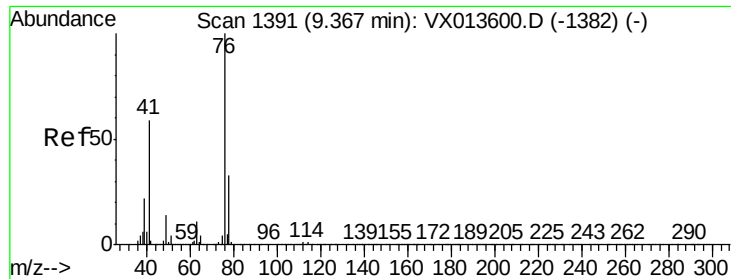
Tot Ion:	97	Resp:	124916
Ion	Ratio	Lower	Upper
97	100		
83	90.1	67.3	100.9
85	56.3	43.6	65.4
99	65.2	48.2	72.4



#56
 Ethyl methacrylate
 Concen: 19.040 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

Tgt Ion:	69	Resp:	194327
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.0	82.4
39	35.9	28.7	43.1

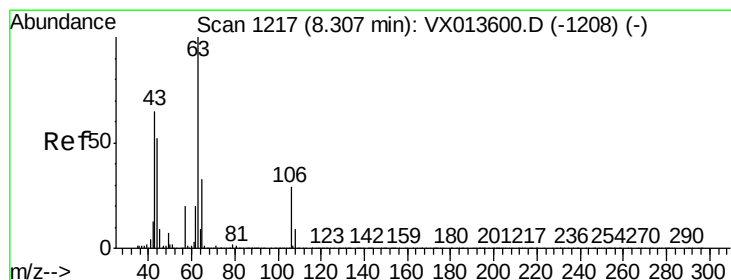
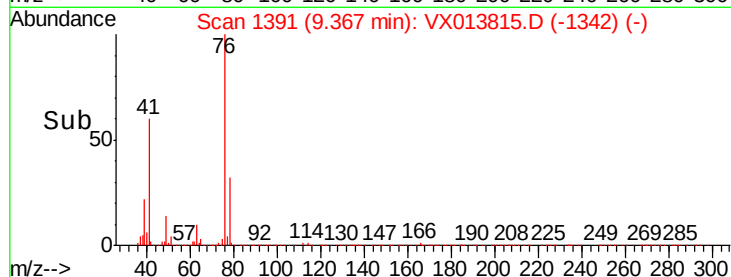
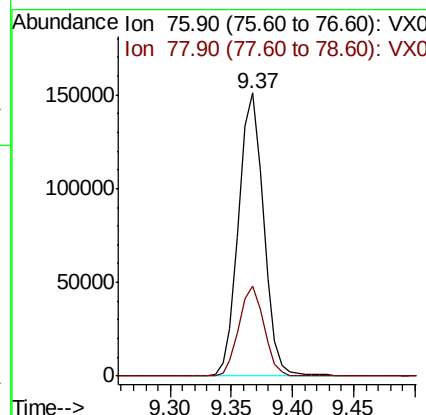
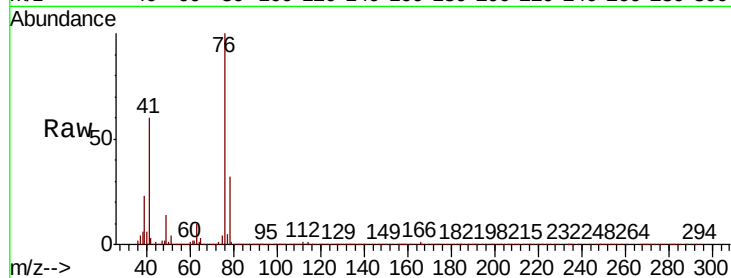




#57
 1,3-Dichloropropane
 Concen: 19.614 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

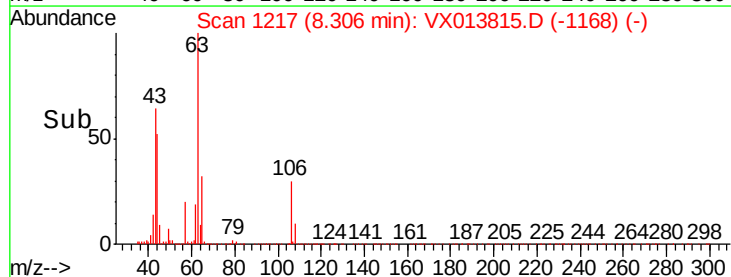
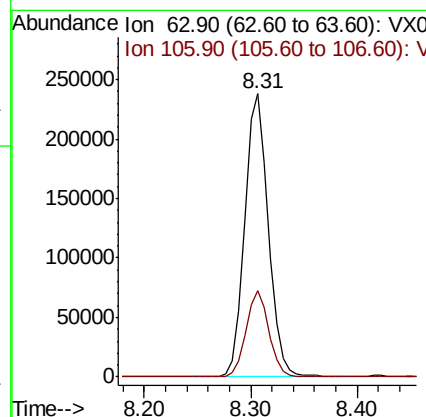
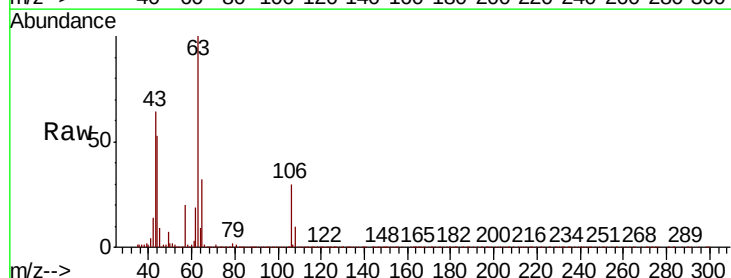
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBSD02

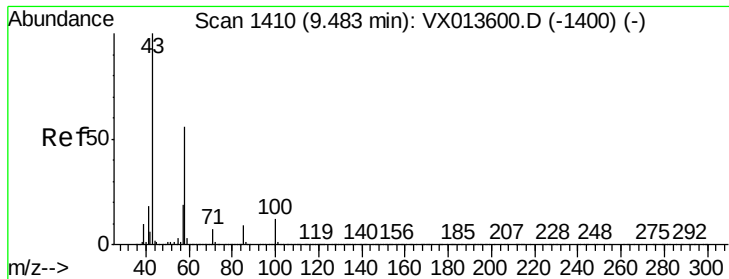
Tot Ion: 76 Resp: 214614
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.407 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

Tgt Ion: 63 Resp: 369775
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.4 35.0

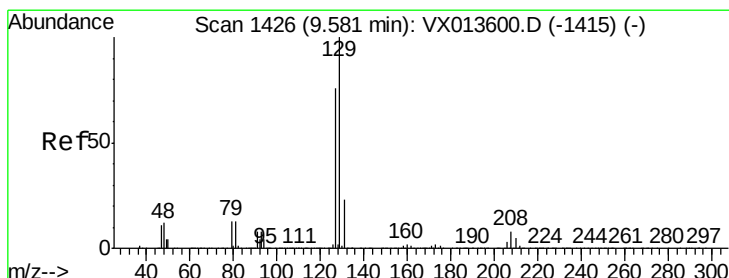
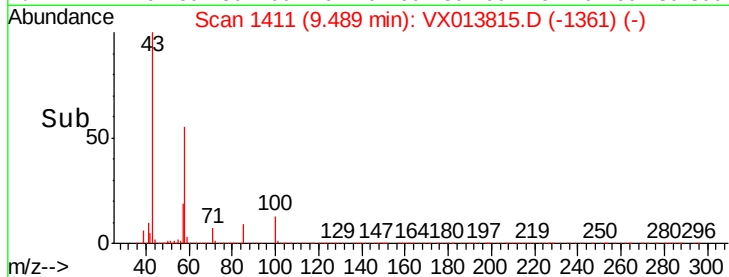
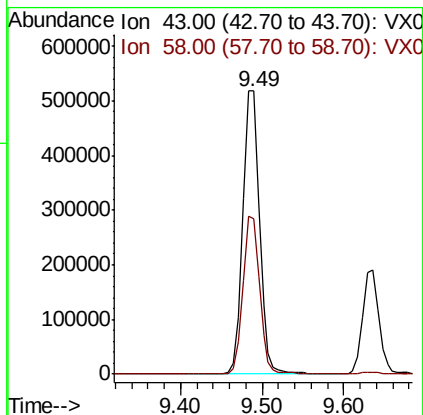
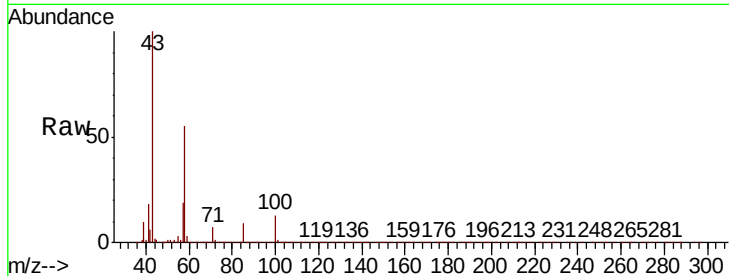




#59
2-Hexanone
Concen: 96.986 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

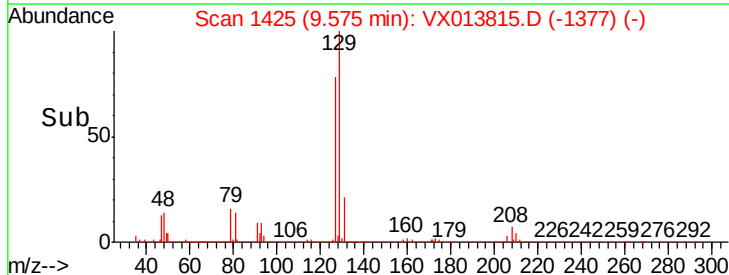
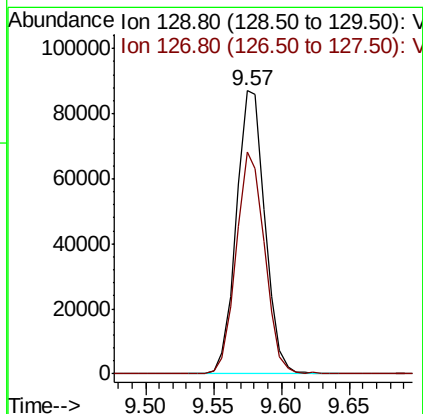
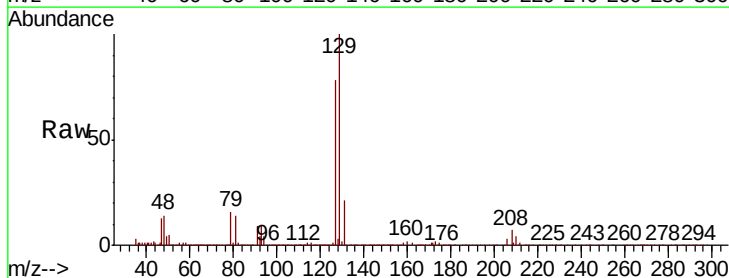
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

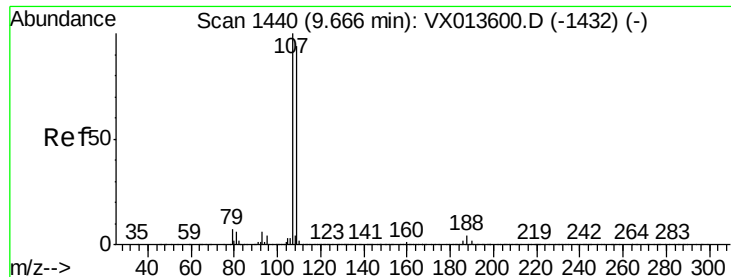
Tot Ion: 43 Resp: 731635
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.4



#60
Dibromochloromethane
Concen: 19.288 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion: 129 Resp: 127067
Ion Ratio Lower Upper
129 100
127 79.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.267 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

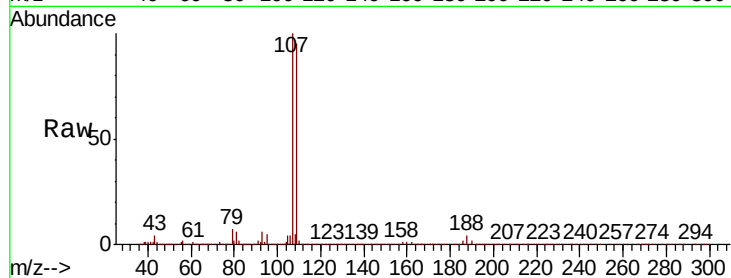
VX1206WBSD02

Tot Ion: 107 Resp: 130631

Ion Ratio Lower Upper

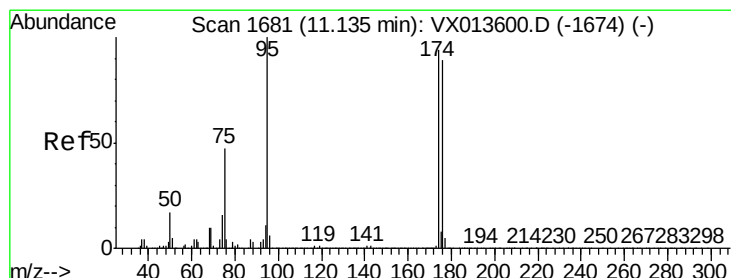
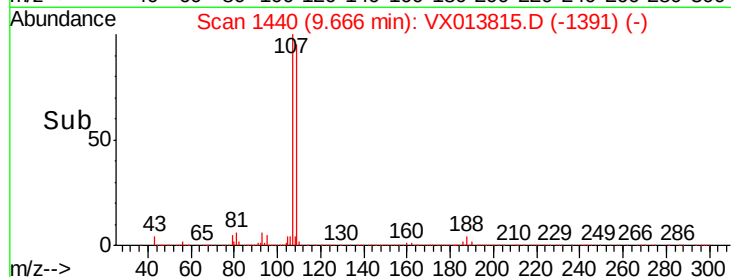
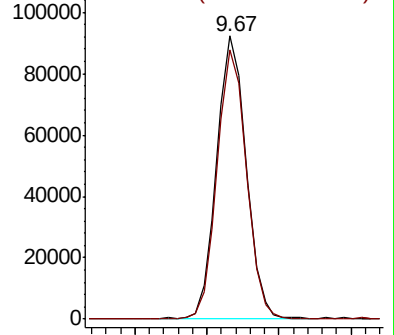
107 100

109 94.5 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.101 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

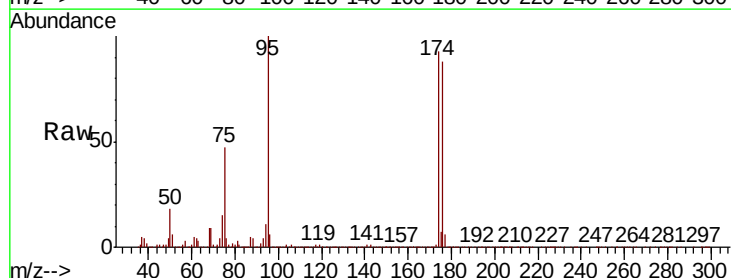
Tgt Ion: 95 Resp: 351313

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.0

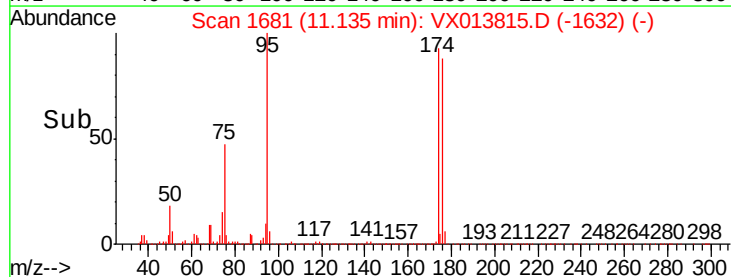
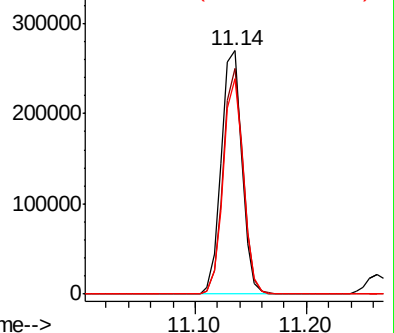
176 86.0 0.0 173.6

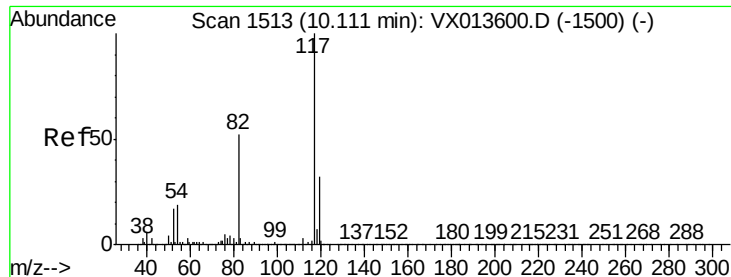


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

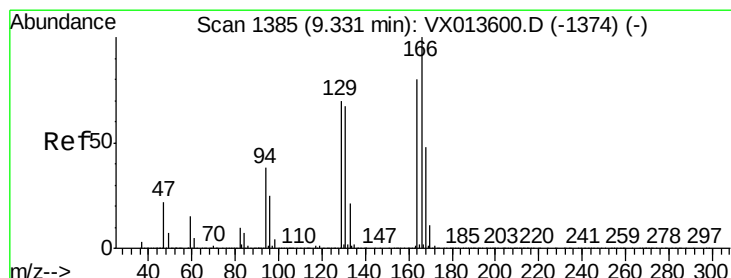
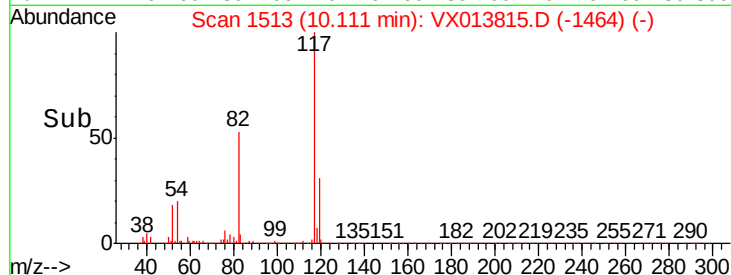
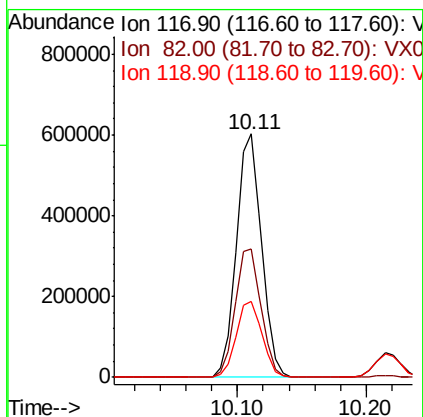
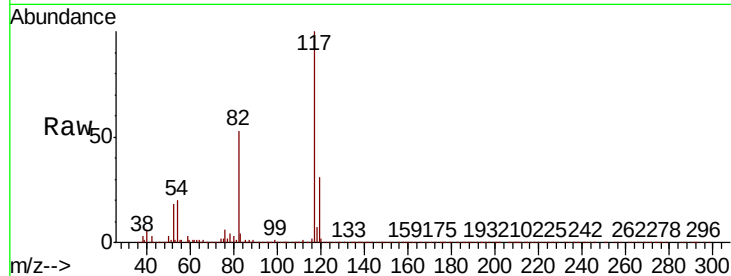




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

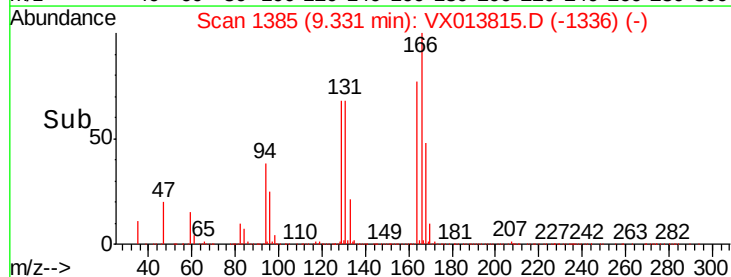
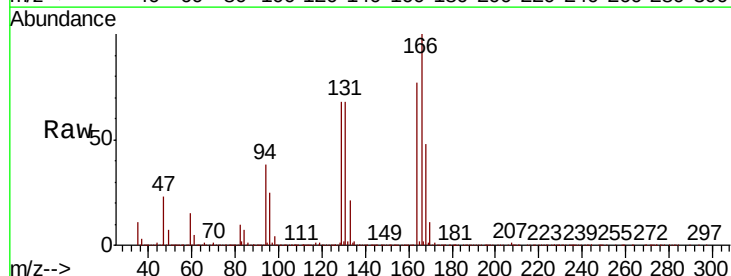
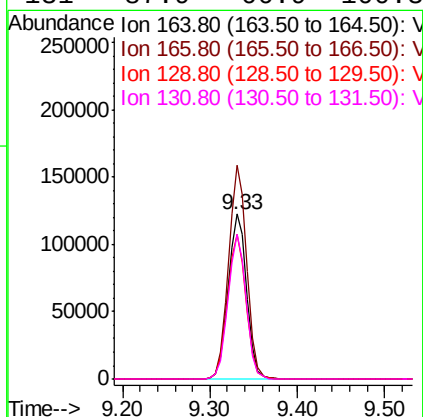
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

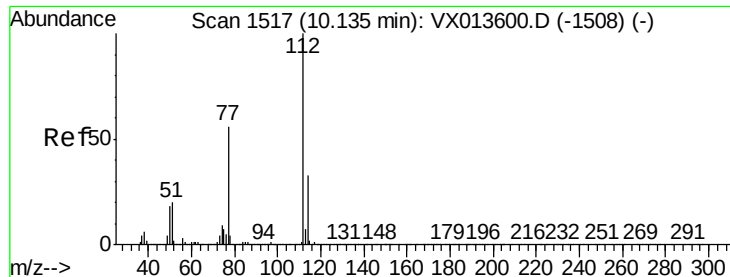
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.8
119	31.3	25.8	38.8



#64
Tetrachloroethene
Concen: 29.302 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	99.7	149.5
129	88.1	70.1	105.1
131	87.9	66.9	100.3





#65

Chlorobenzene

Concen: 19.010 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

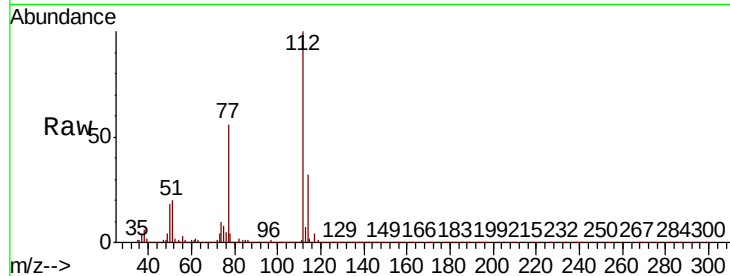
VX1206WBSD02

Tot Ion:112 Resp: 323049

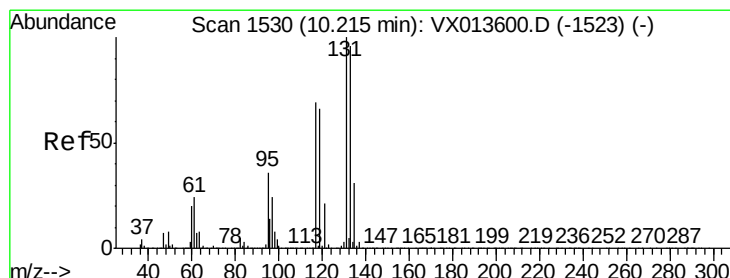
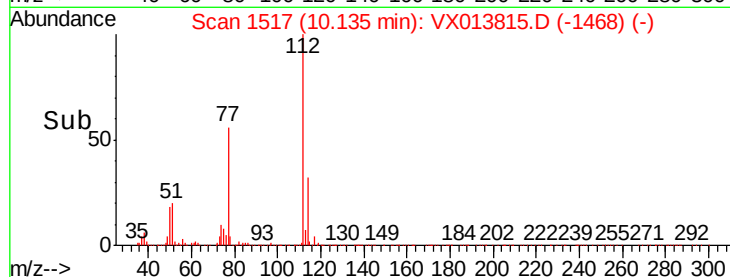
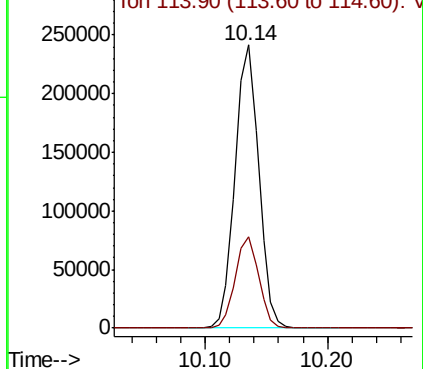
Ion Ratio Lower Upper

112 100

114 32.3 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.642 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

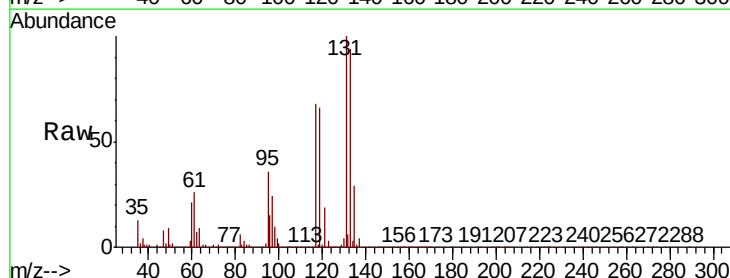
Tgt Ion:131 Resp: 119857

Ion Ratio Lower Upper

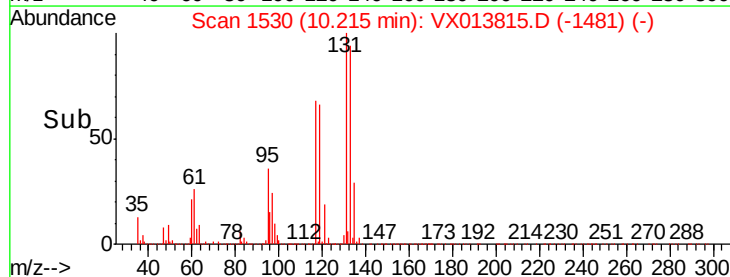
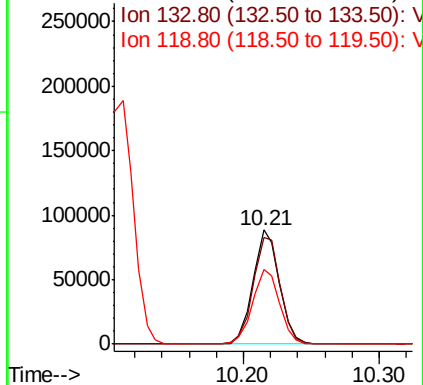
131 100

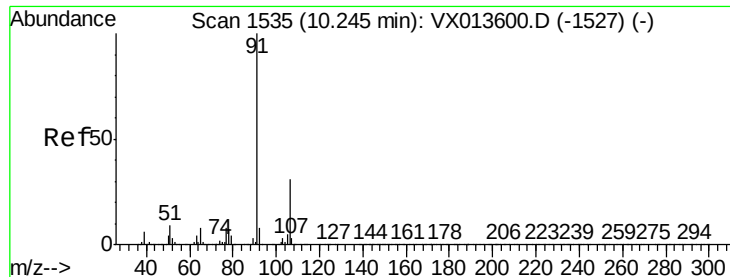
133 96.5 47.7 143.1

119 67.1 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

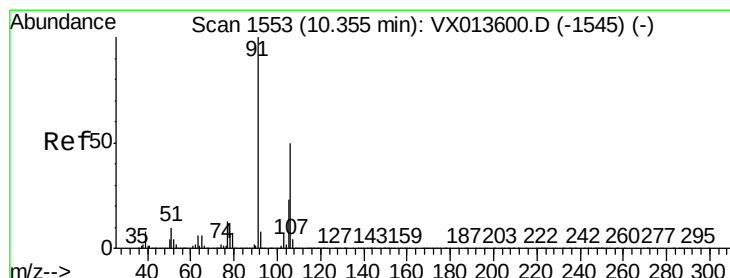
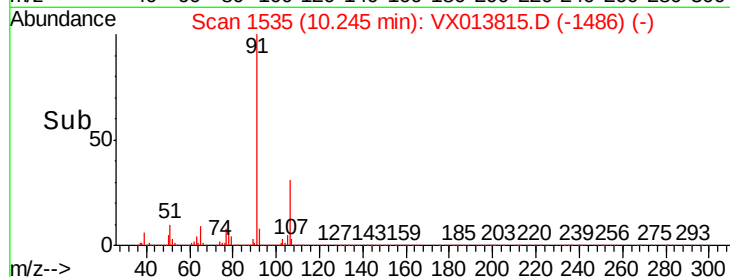
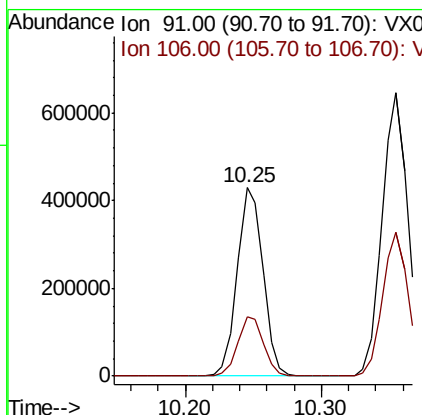
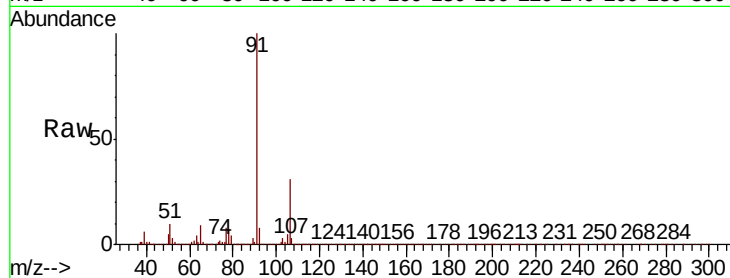




#67
Ethyl Benzene
Concen: 19.410 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

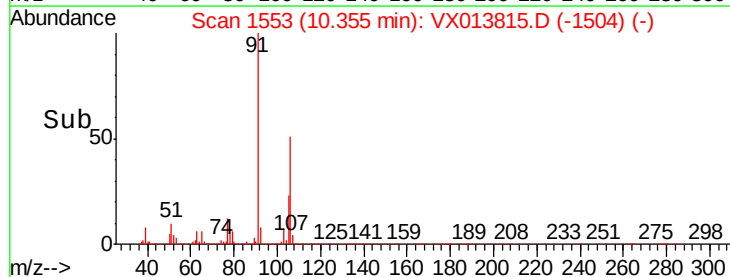
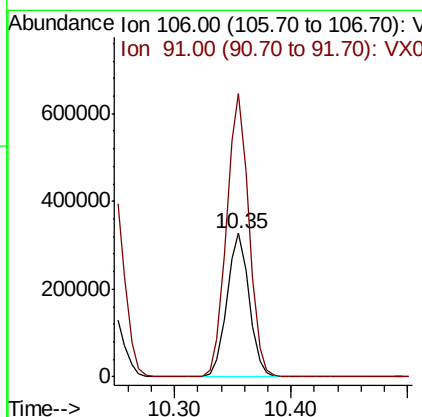
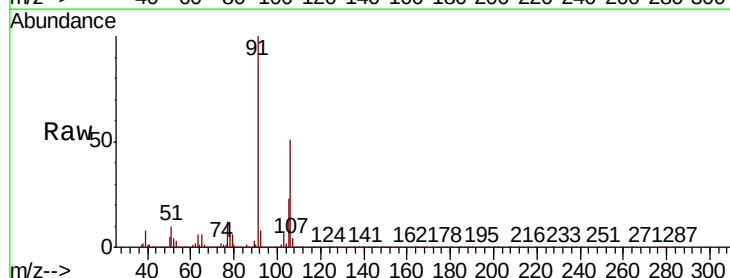
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

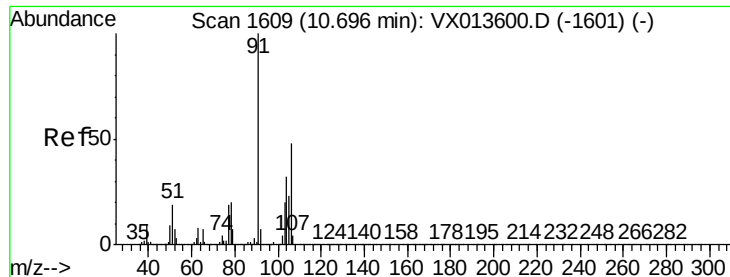
Tot Ion: 91 Resp: 566794
Ion Ratio Lower Upper
91 100
106 31.4 24.5 36.7



#68
m/p-Xylenes
Concen: 38.578 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion: 106 Resp: 431304
Ion Ratio Lower Upper
106 100
91 199.1 159.0 238.4

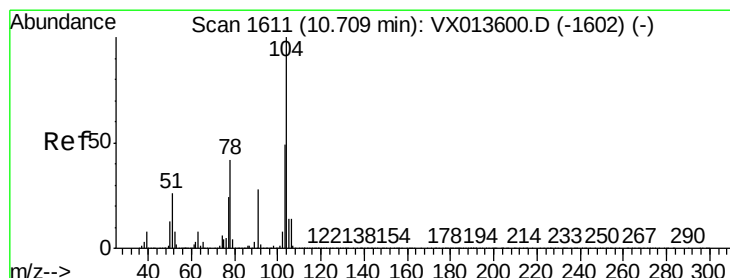
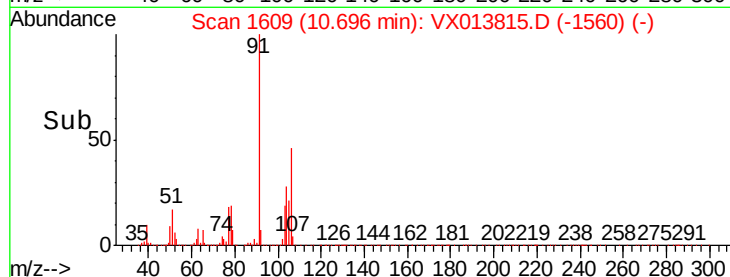
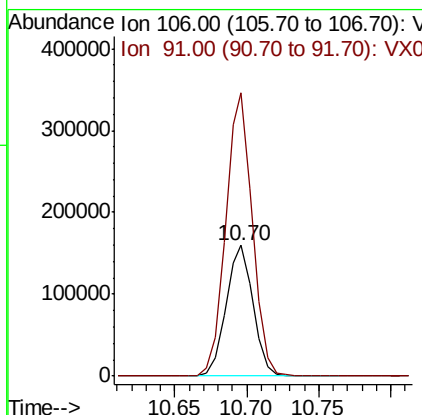
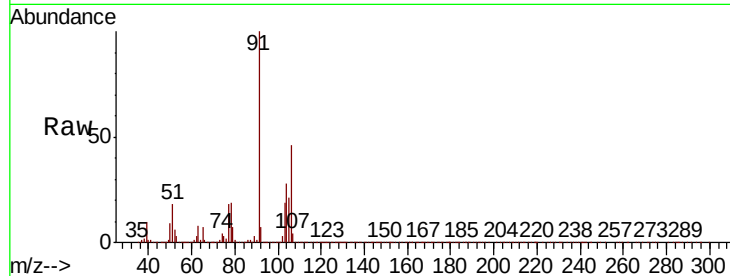




#69
o-Xylene
Concen: 19.217 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

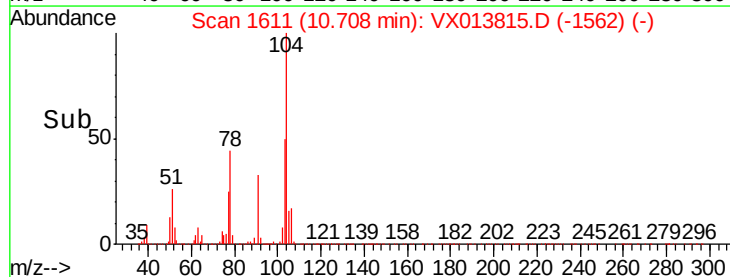
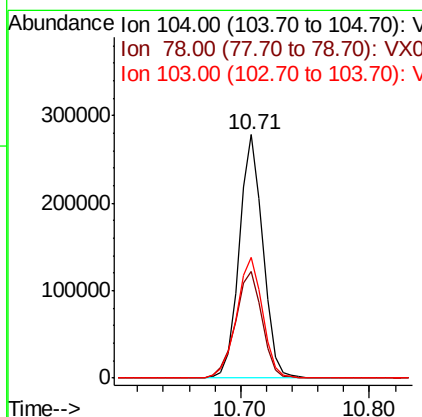
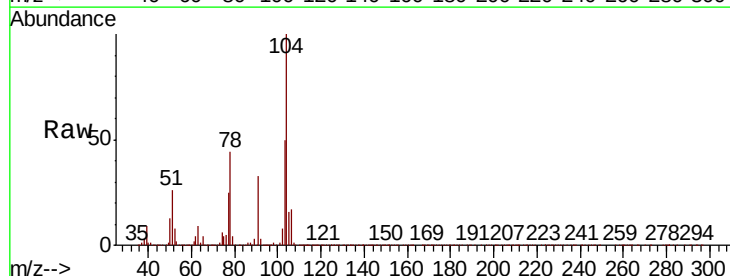
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

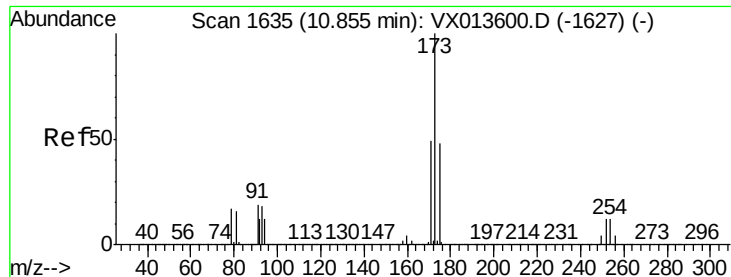
Tot Ion:106 Resp: 209535
Ion Ratio Lower Upper
106 100
91 213.7 104.1 312.2



#70
Styrene
Concen: 19.204 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion:104 Resp: 352232
Ion Ratio Lower Upper
104 100
78 49.7 38.5 57.7
103 55.0 43.7 65.5





#71

Bromoform

Concen: 18.493 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

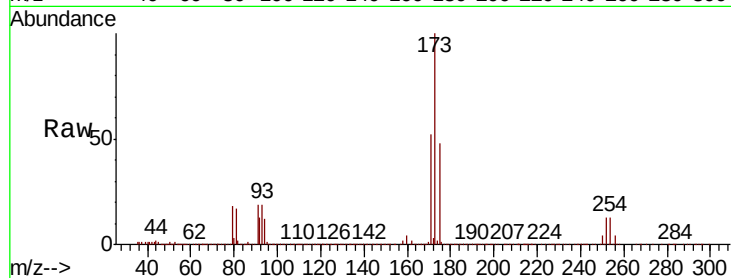
Tot Ion:173 Resp: 93371

Ion Ratio Lower Upper

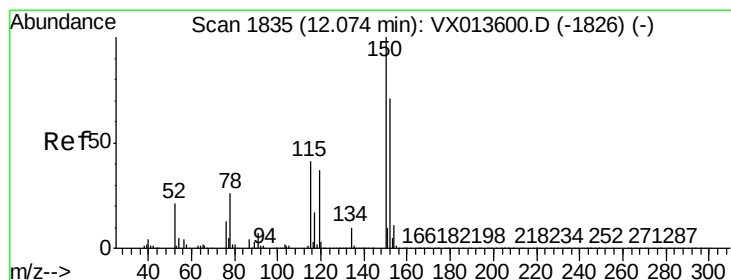
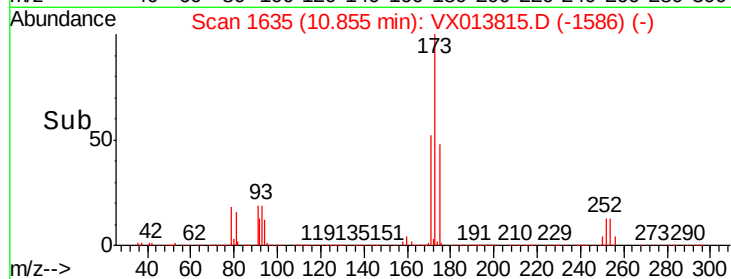
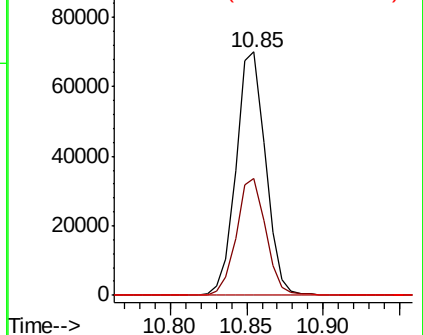
173 100

175 48.0 24.3 72.8

254 0.4 0.2 0.4#



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: VX013815.D

Acq: 06 Dec 2019 22:04

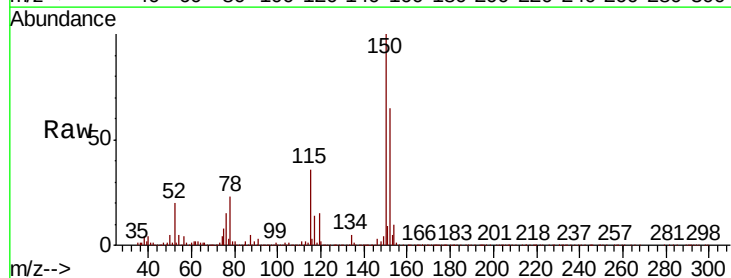
Tgt Ion:152 Resp: 402037

Ion Ratio Lower Upper

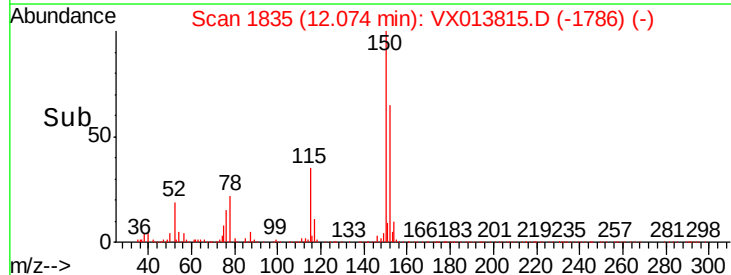
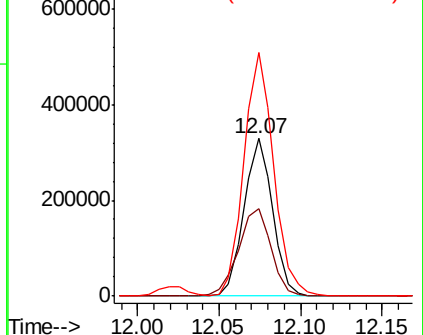
152 100

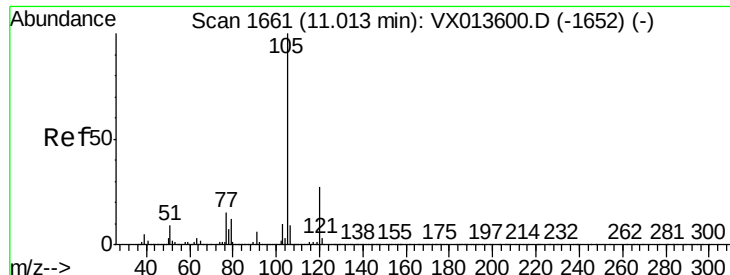
115 63.4 38.4 115.1

150 161.2 0.0 346.8



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





#73

Isopropylbenzene

Concen: 19.659 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

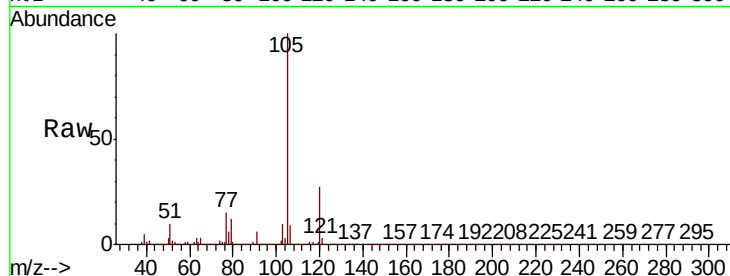
VX1206WBSD02

Tot Ion:105 Resp: 554408

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

500000

400000

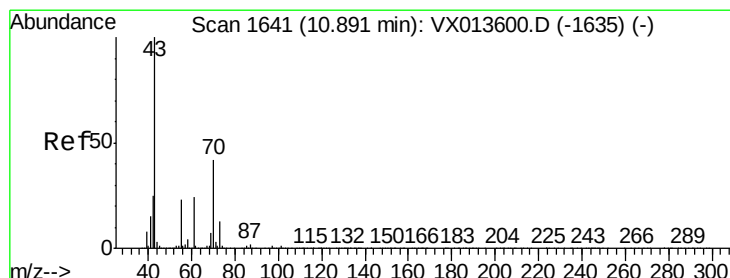
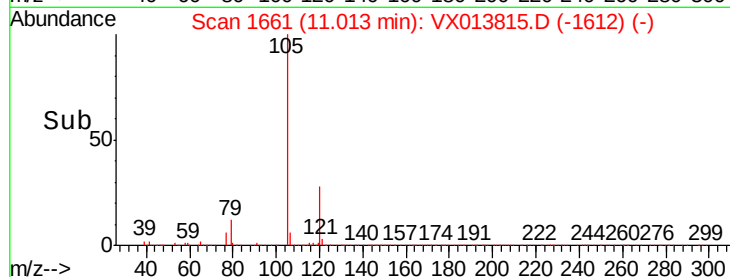
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.137 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Tgt Ion: 43 Resp: 247221

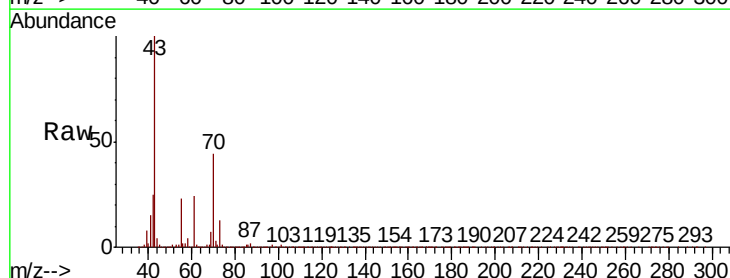
Ion Ratio Lower Upper

43 100

70 44.5 34.3 51.5

55 23.8 18.5 27.7

61 24.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

250000

200000

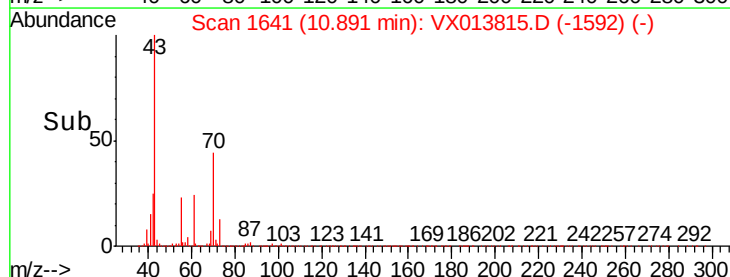
150000

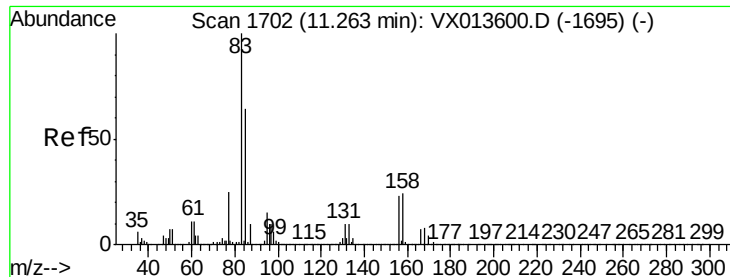
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.352 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

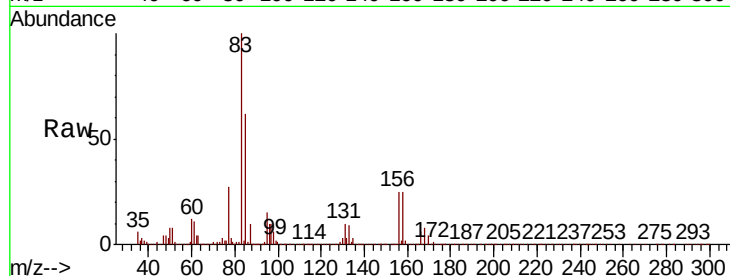
Tot Ion: 83 Resp: 189266

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

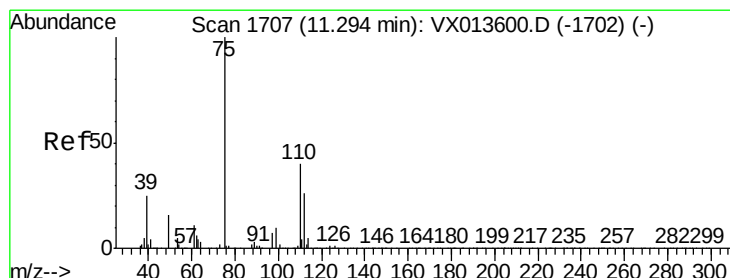
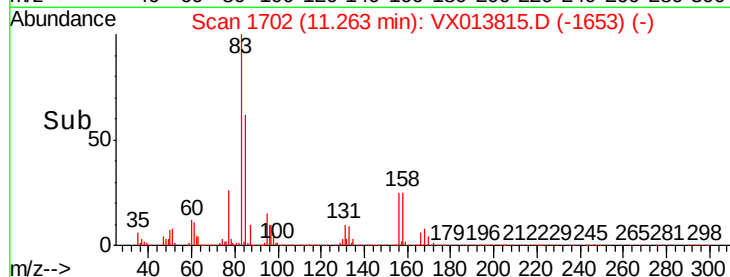
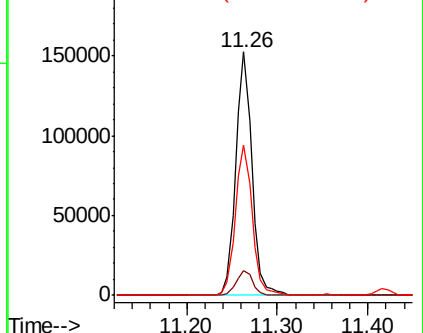
85 64.0 31.8 95.3



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: 23.228 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013815.D

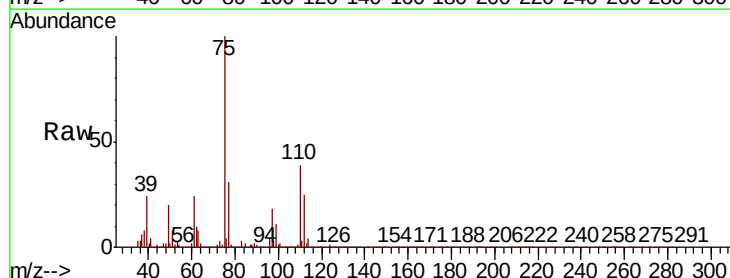
Acq: 06 Dec 2019 22:04

Tgt Ion: 75 Resp: 210037

Ion Ratio Lower Upper

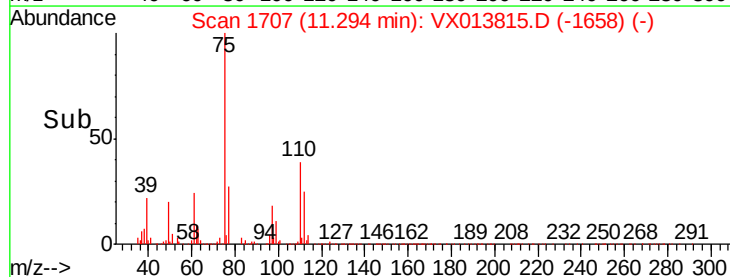
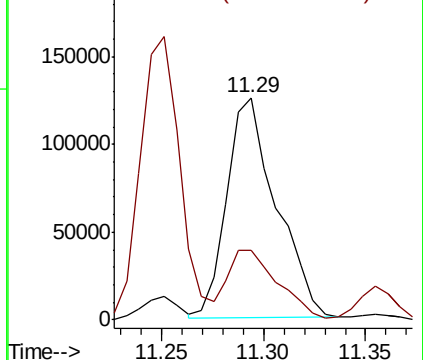
75 100

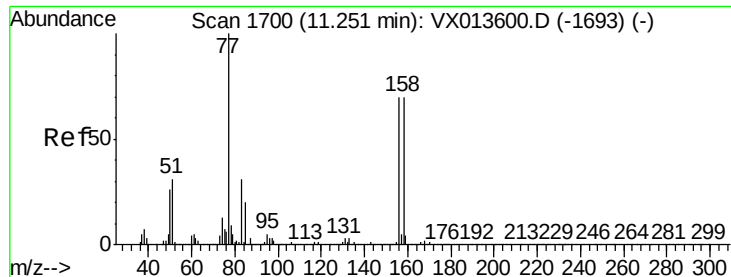
77 32.0 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.361 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

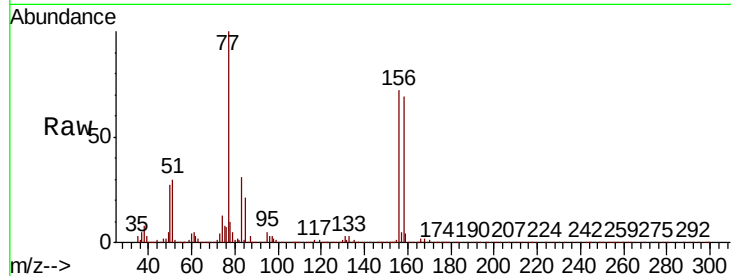
Tot Ion:156 Resp: 147508

Ion Ratio Lower Upper

156 100

77 147.2 74.4 223.1

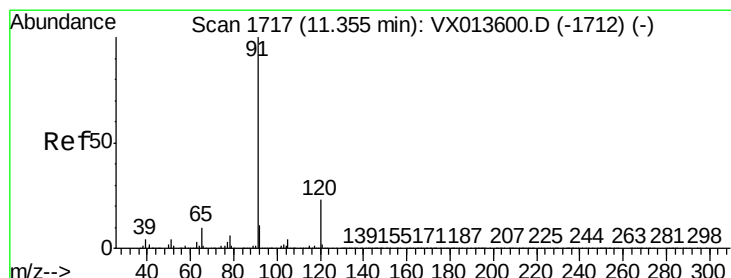
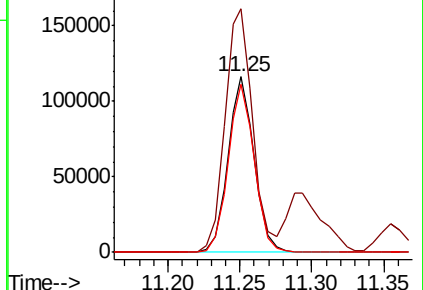
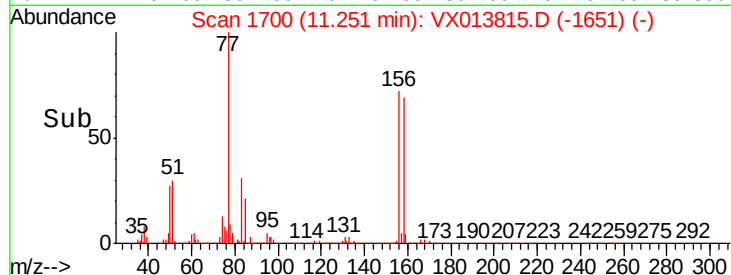
158 96.1 48.9 146.6



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: 19.639 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013815.D

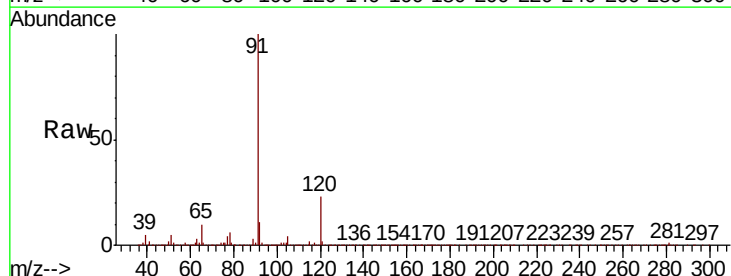
Acq: 06 Dec 2019 22:04

Tgt Ion: 91 Resp: 618267

Ion Ratio Lower Upper

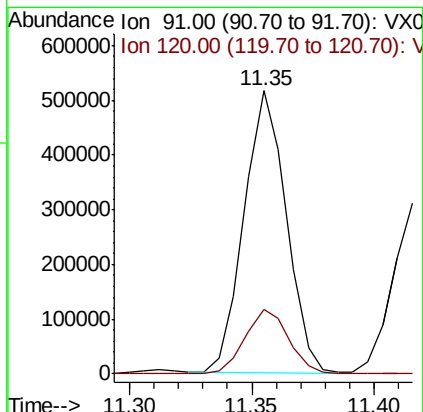
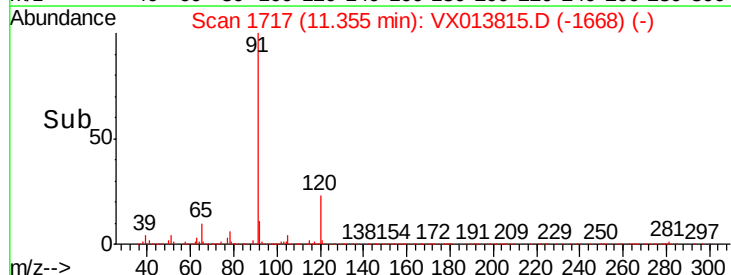
91 100

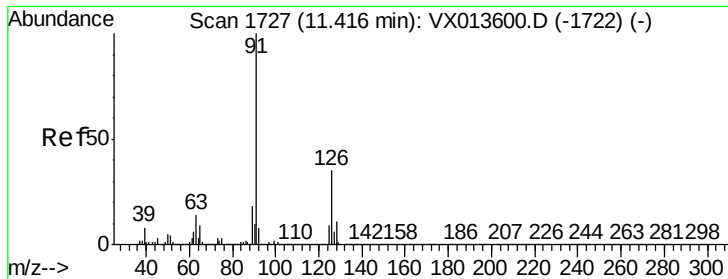
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

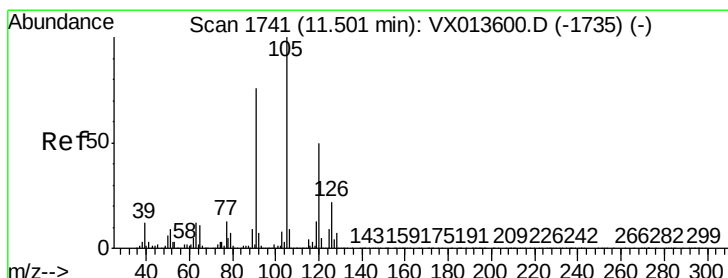
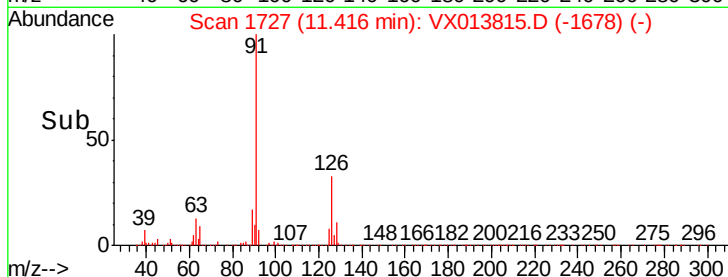
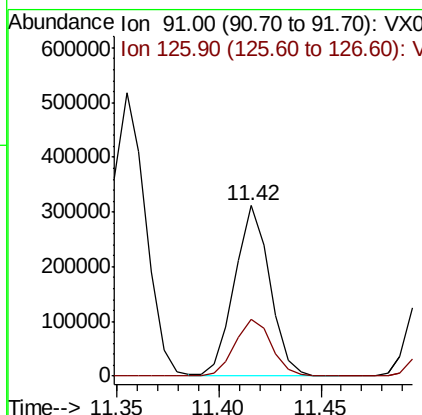
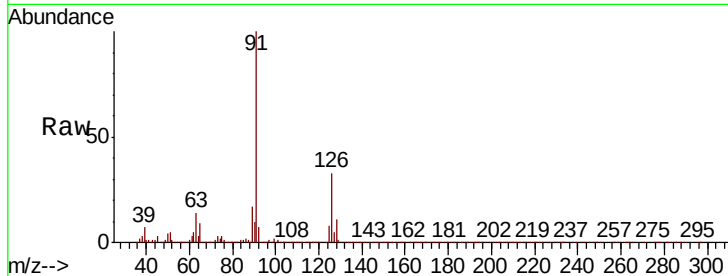




#79
 2-Chlorotoluene
 Concen: 19.739 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

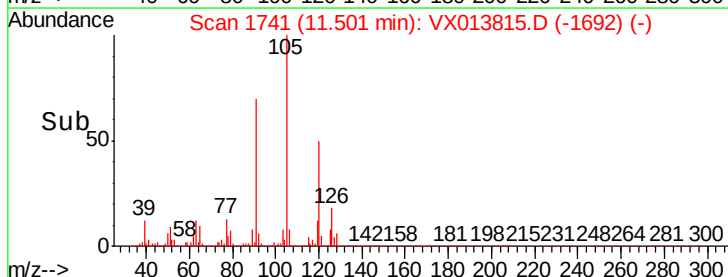
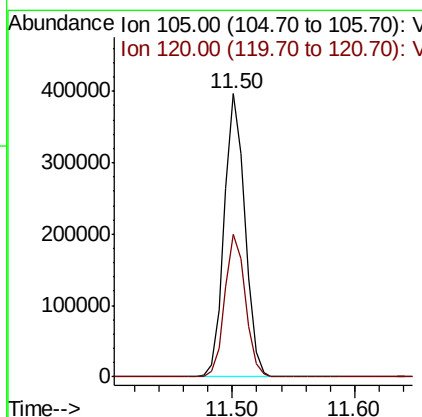
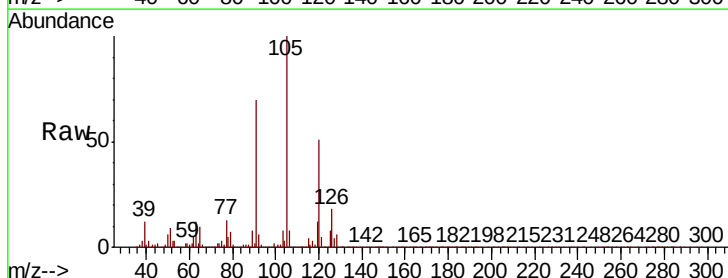
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBSD02

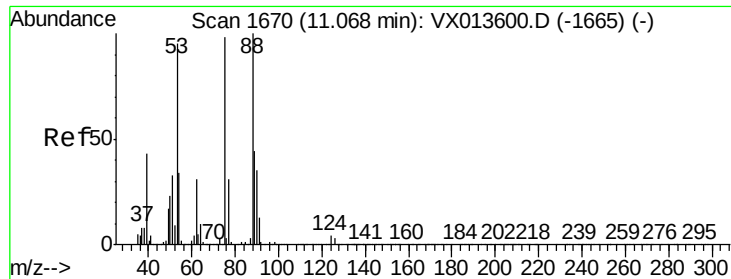
Tot Ion: 91 Resp: 372772
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.031 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

Tgt Ion: 105 Resp: 462994
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 16.505 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampled :

VX1206WBSD02

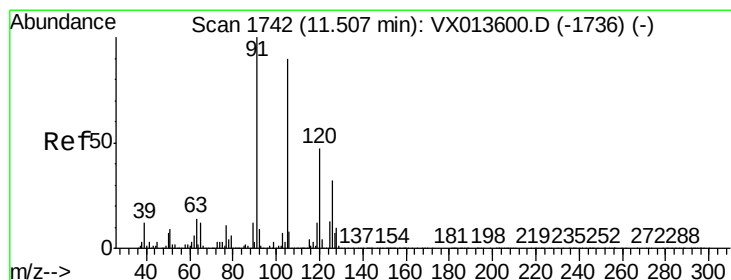
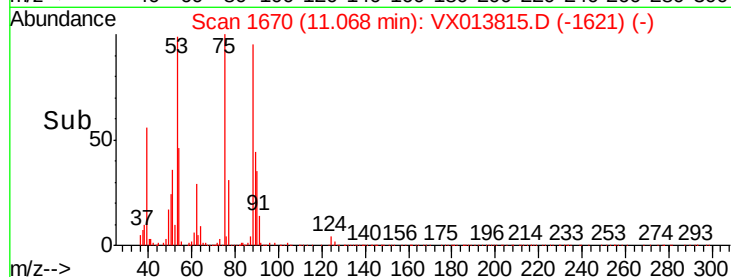
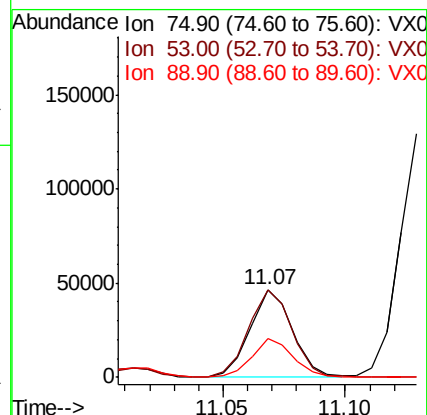
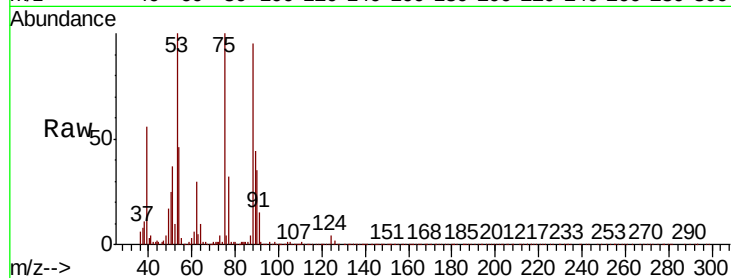
Tot Ion: 75 Resp: 54554

Ion Ratio Lower Upper

75 100

53 104.0 78.2 117.2

89 45.0 35.4 53.2



#82

4-Chlorotoluene

Concen: 19.325 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013815.D

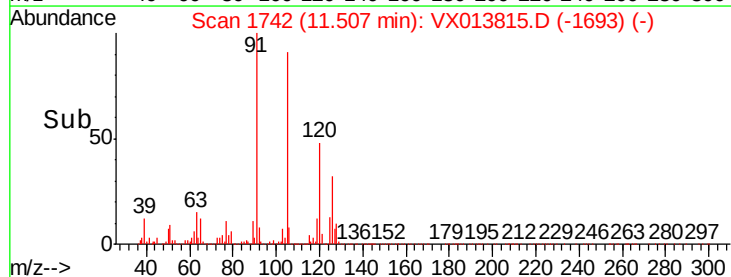
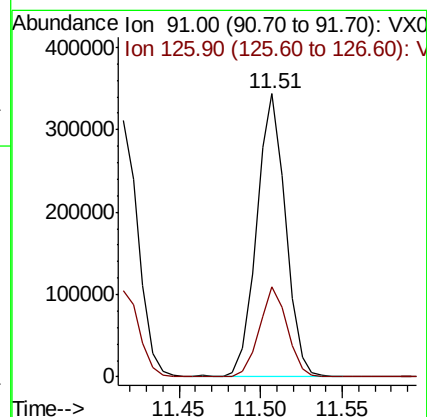
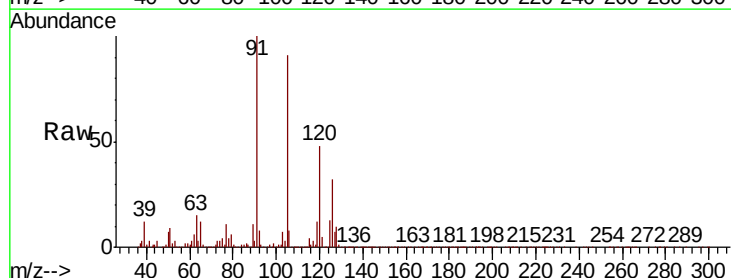
Acq: 06 Dec 2019 22:04

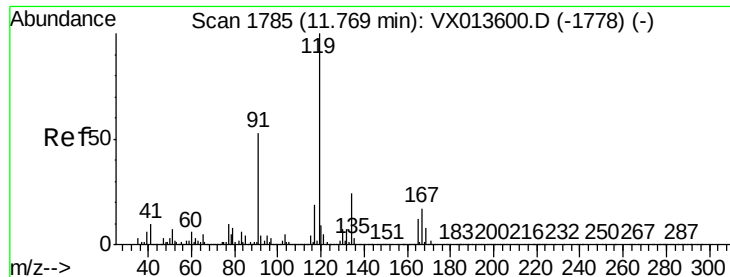
Tgt Ion: 91 Resp: 422689

Ion Ratio Lower Upper

91 100

126 30.8 15.7 47.0

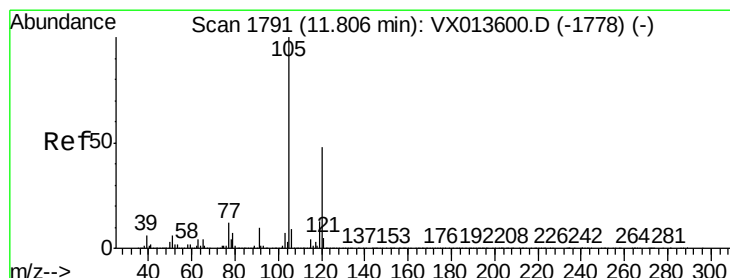
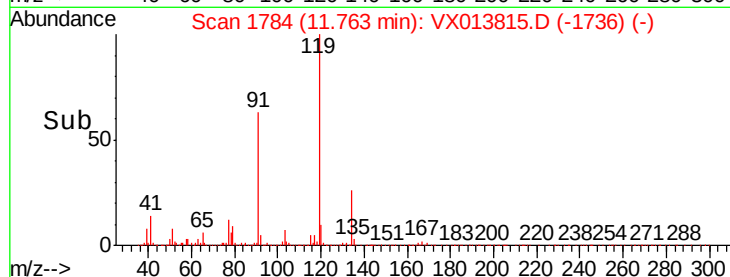
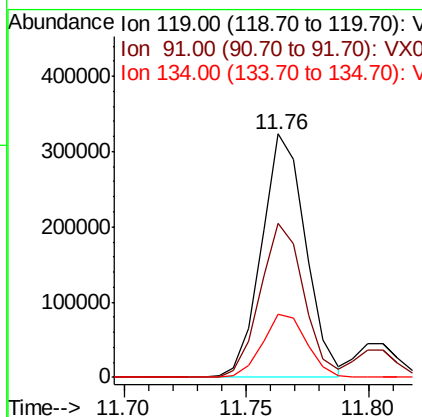
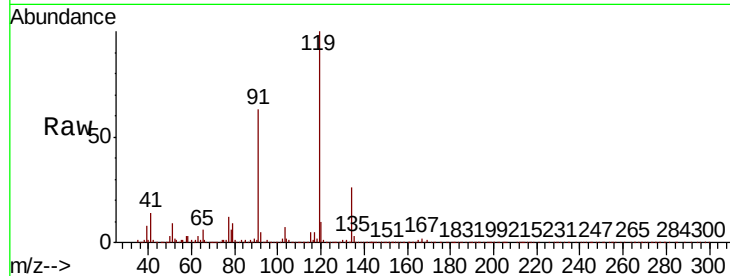




#83
tert-Butylbenzene
Concen: 17.177 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

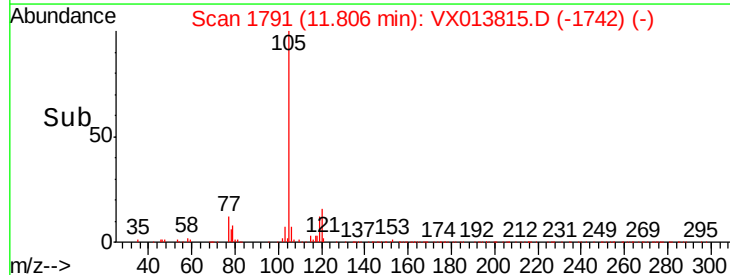
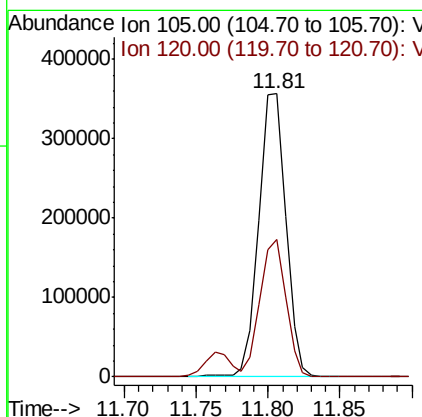
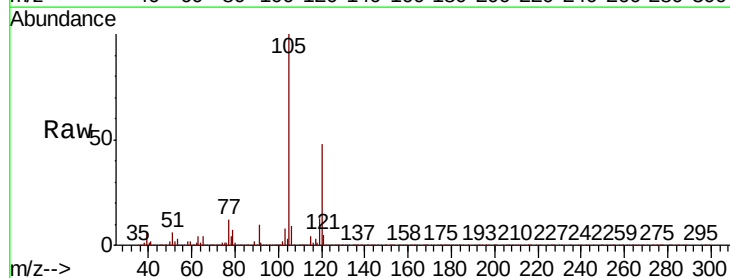
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD02

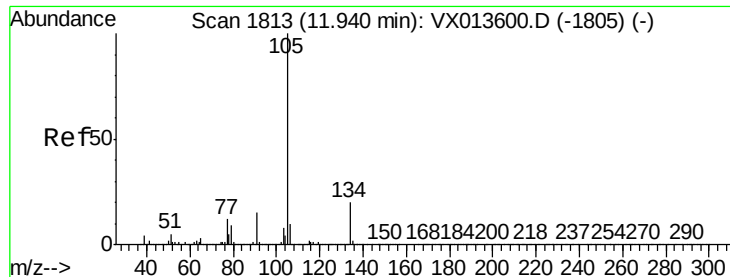
Tot Ion:119 Resp: 403490
Ion Ratio Lower Upper
119 100
91 62.9 27.2 81.6
134 26.4 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 19.765 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion:105 Resp: 463640
Ion Ratio Lower Upper
105 100
120 46.2 23.1 69.3





#85

sec-Butylbenzene

Concen: 19.706 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

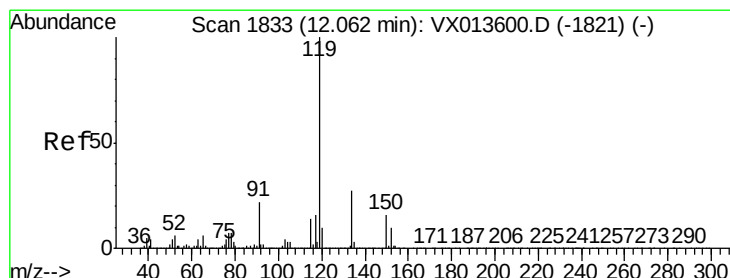
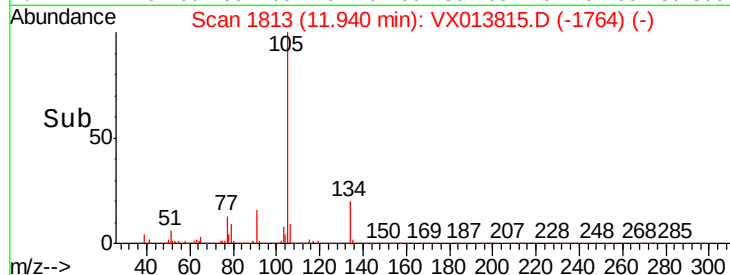
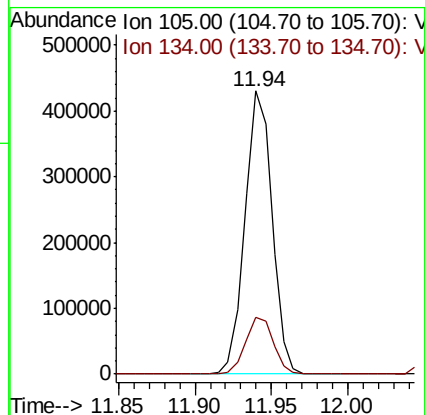
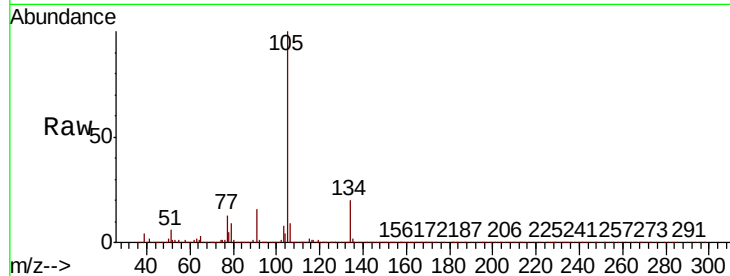
VX1206WBSD02

Tot Ion:105 Resp: 528718

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.2



#86

p-Isopropyltoluene

Concen: 19.625 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

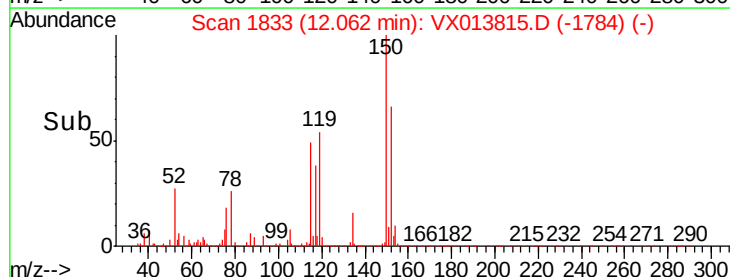
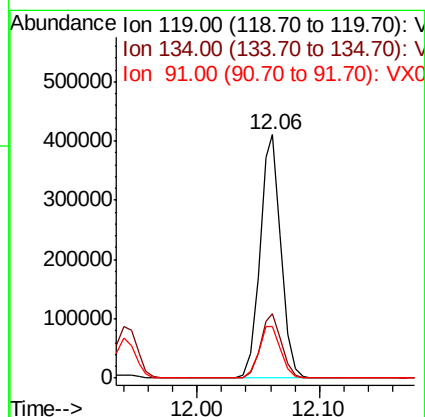
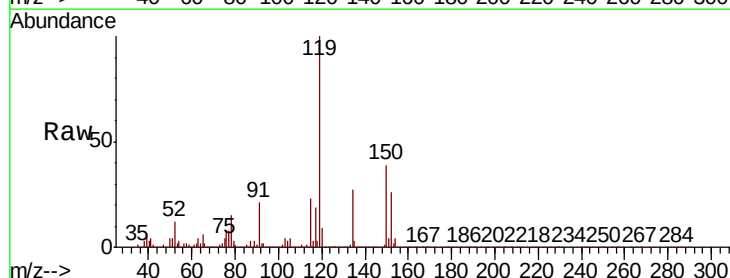
Tgt Ion:119 Resp: 489845

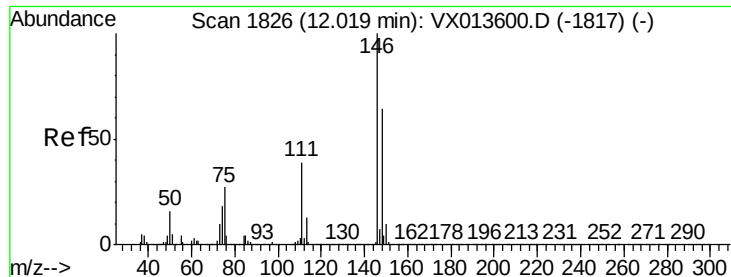
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.5 11.3 33.8

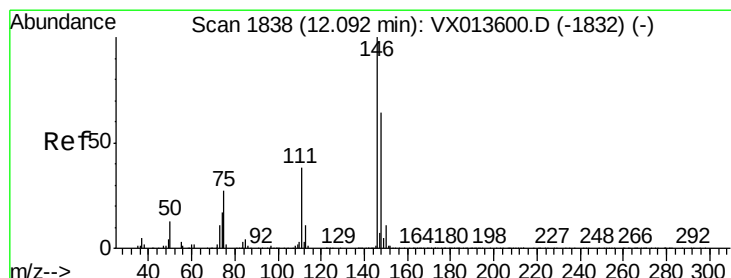
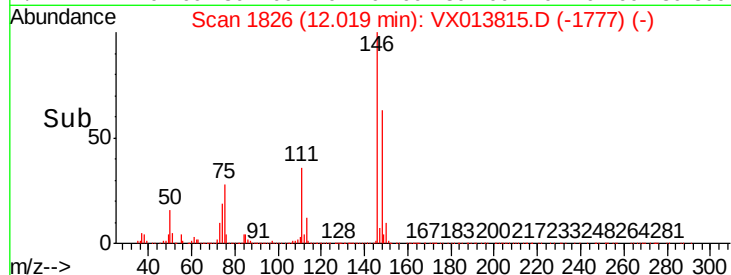
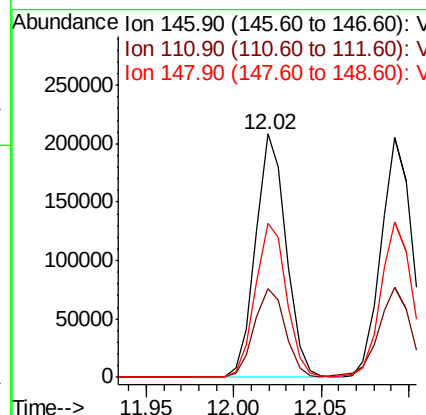
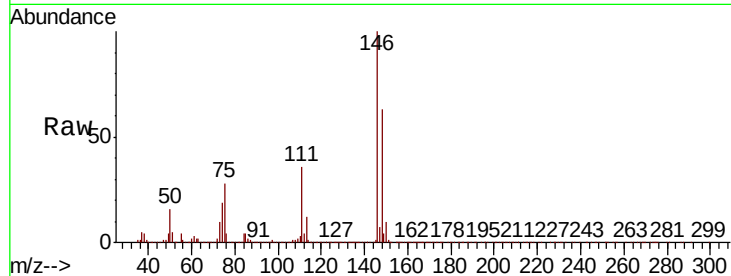




#87
 1,3-Dichlorobenzene
 Concen: 19.029 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

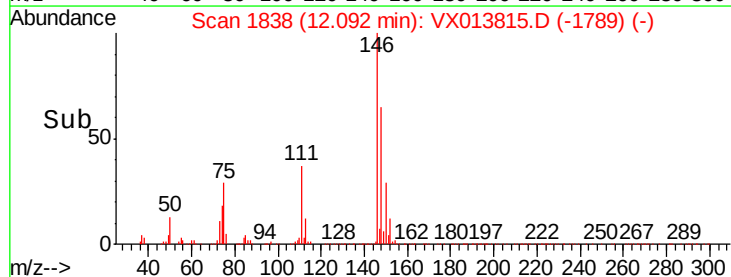
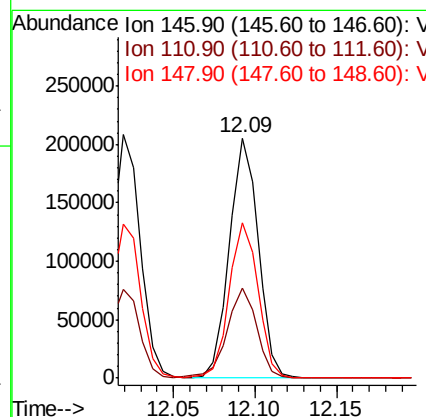
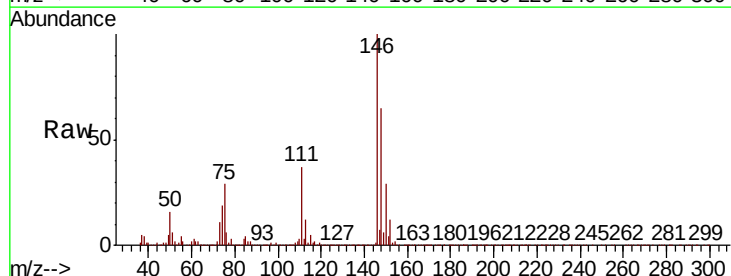
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBSD02

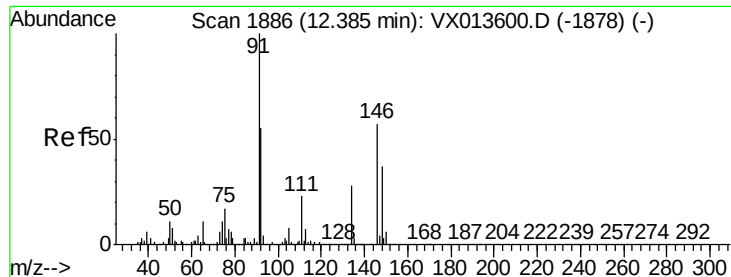
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.0	57.0
148	64.7	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.617 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.9
148	64.9	31.9	95.5

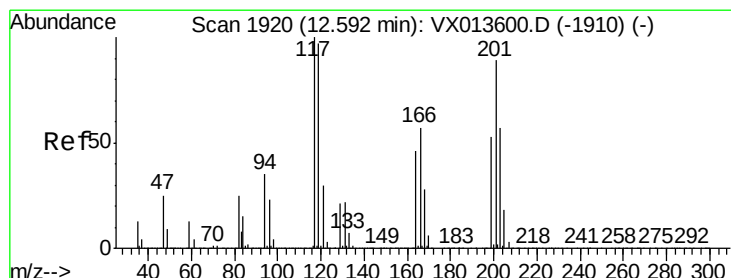
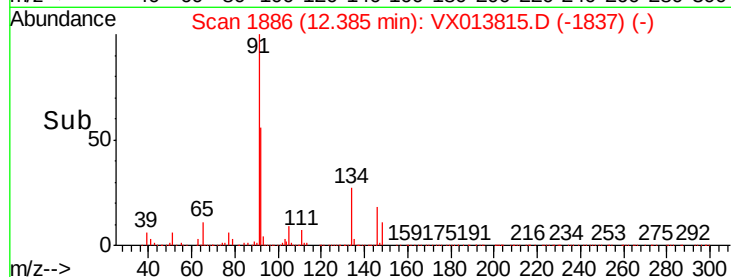
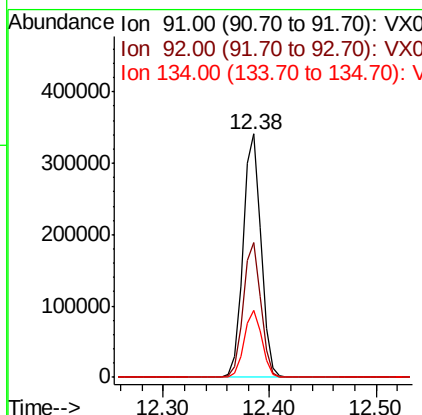
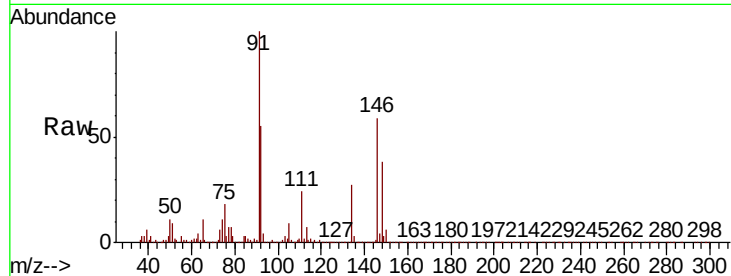




#89
n-Butylbenzene
Concen: 18.902 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

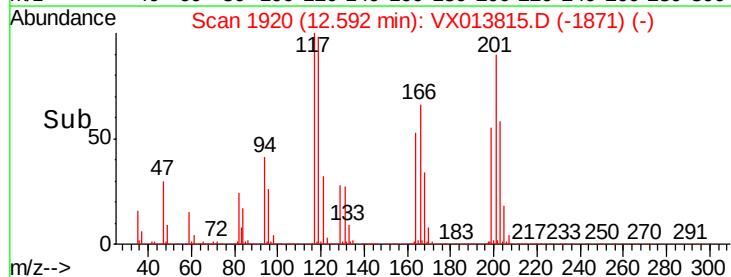
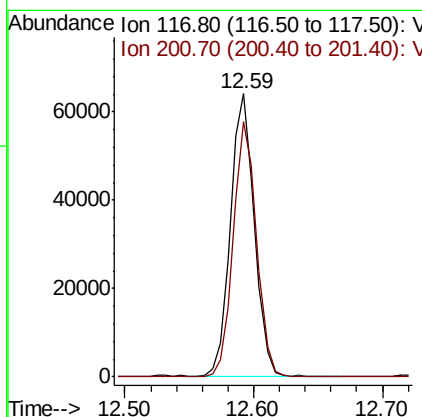
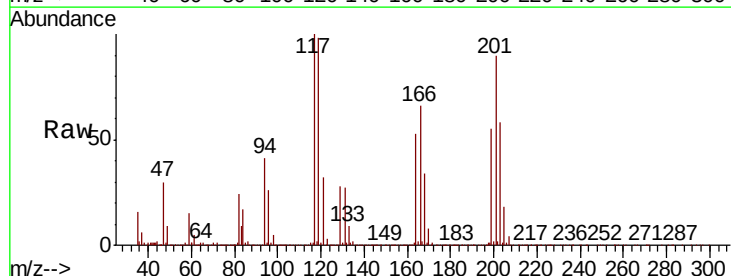
Instrument :
MSVOA_X
ClientSampled :
VX1206WBSD02

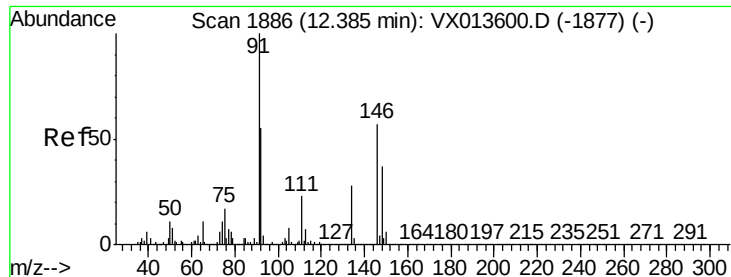
Tot Ion: 91 Resp: 402410
Ion Ratio Lower Upper
91 100
92 54.6 27.4 82.2
134 27.3 13.5 40.4



#90
Hexachloroethane
Concen: 18.424 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013815.D
Acq: 06 Dec 2019 22:04

Tgt Ion: 117 Resp: 83122
Ion Ratio Lower Upper
117 100
201 87.8 44.1 132.4

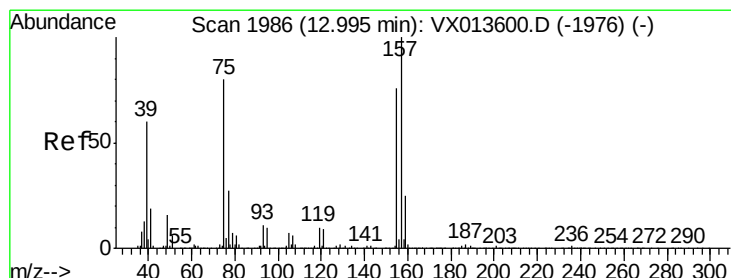
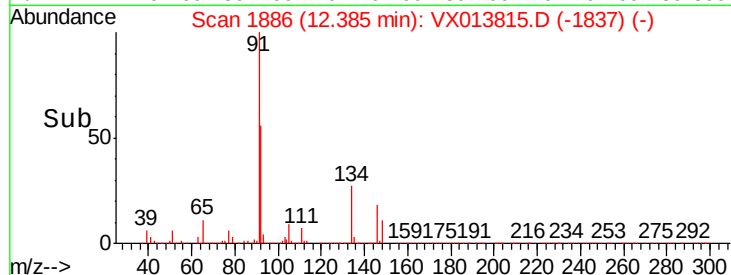
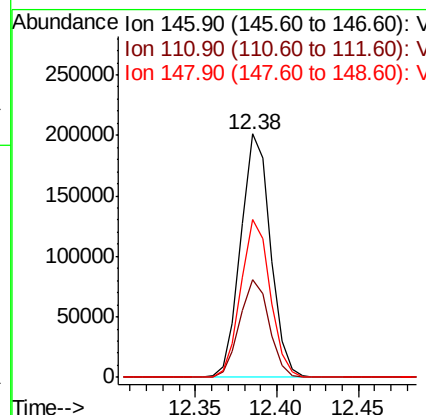
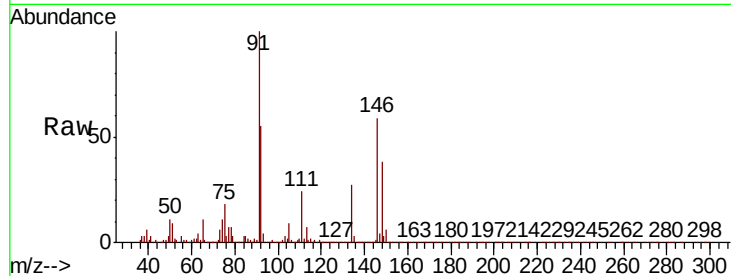




#91
 1,2-Dichlorobenzene
 Concen: 19.489 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

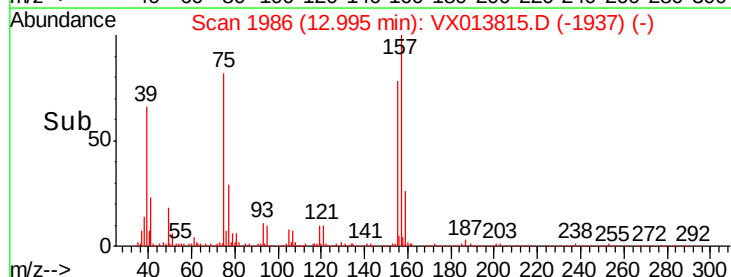
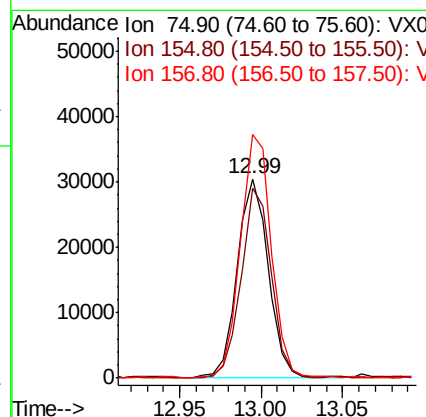
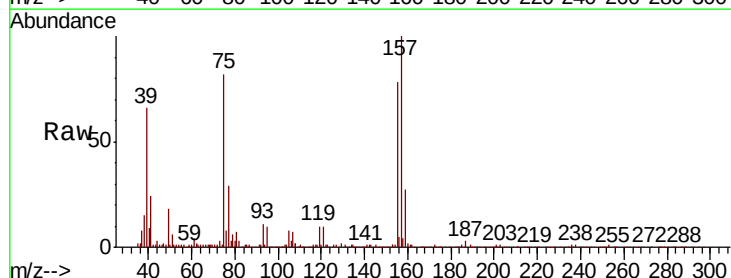
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBSD02

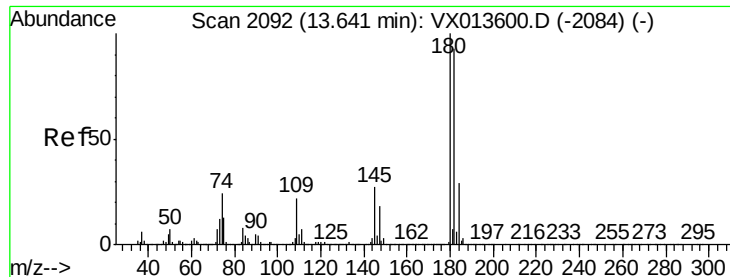
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.7
148	64.0	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.056 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	47.6	142.8
157	119.9	62.1	186.2

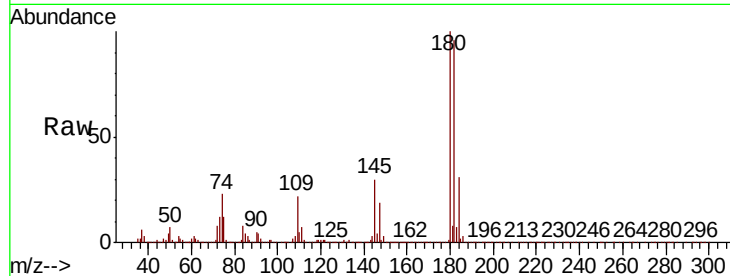




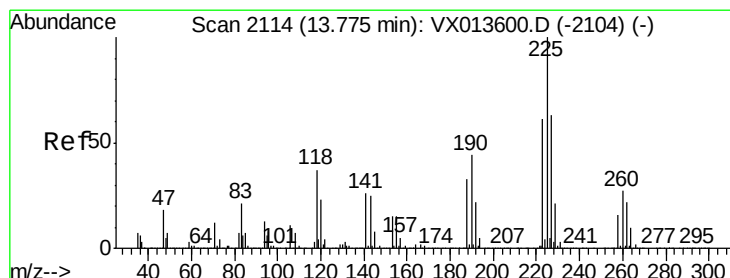
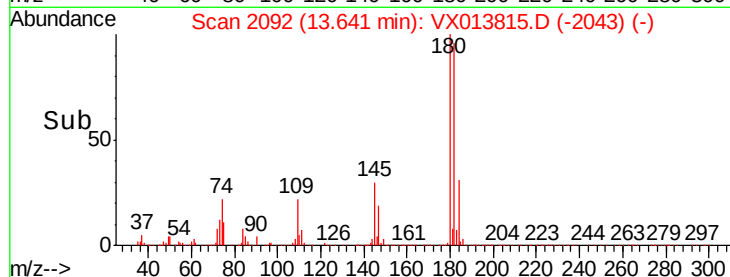
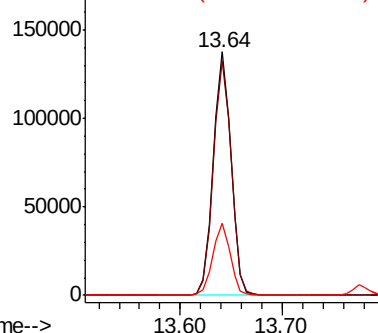
#93
 1,2,4-Trichlorobenzene
 Concen: 17.991 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.2	141.6
145	29.6	13.8	41.4

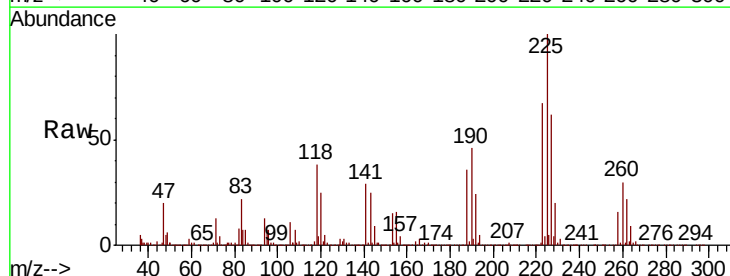


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

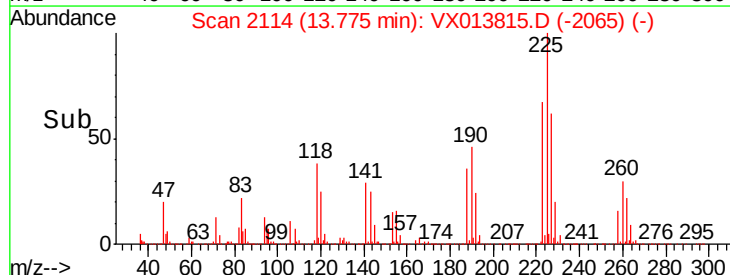
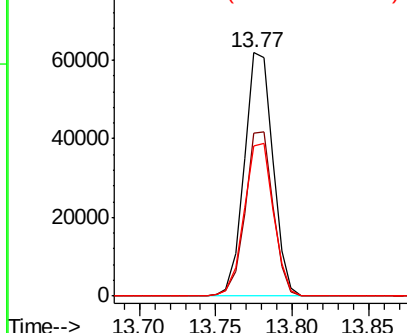


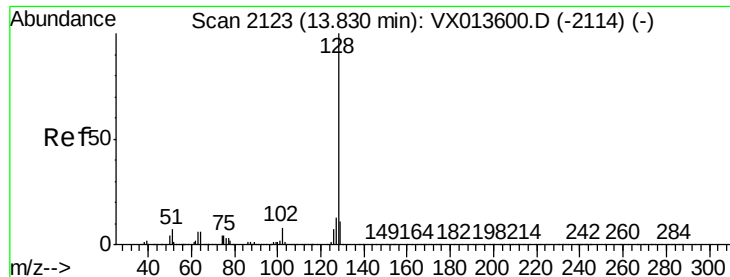
#94
 Hexachlorobutadiene
 Concen: 18.283 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013815.D
 Acq: 06 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	31.9	95.5
227	63.8	32.1	96.3



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: 19.195 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBSD02

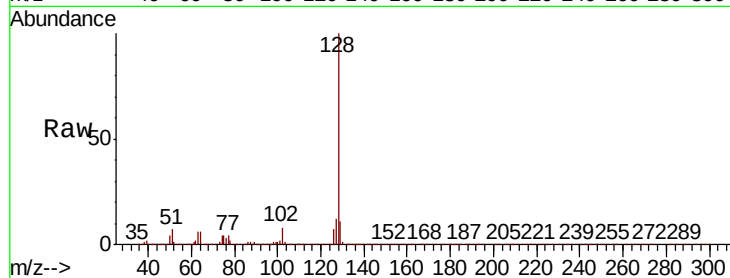
Tot Ion:128 Resp: 522765

Ion Ratio Lower Upper

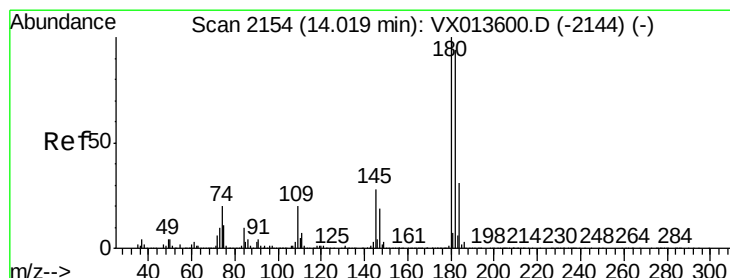
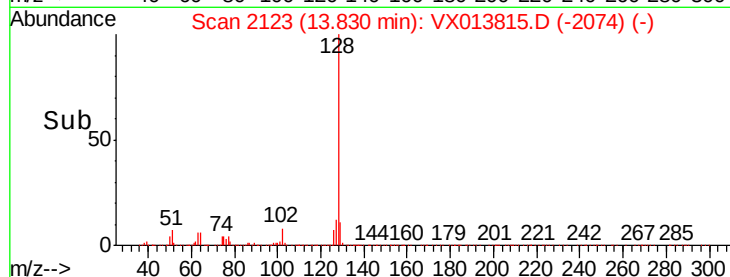
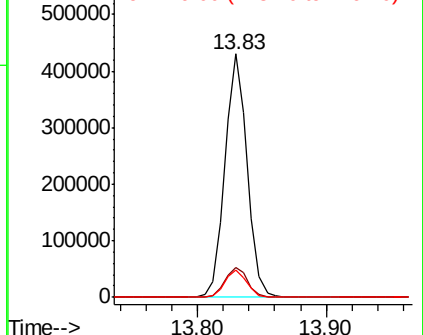
128 100

127 12.6 10.3 15.5

129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.143 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX013815.D

Acq: 06 Dec 2019 22:04

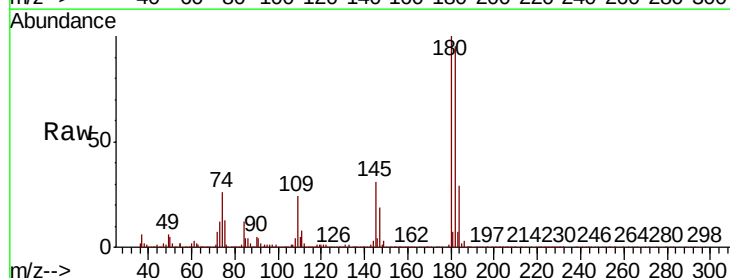
Tgt Ion:180 Resp: 173332

Ion Ratio Lower Upper

180 100

182 94.0 47.6 142.8

145 29.8 15.0 45.0



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

