

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\
 Data File : VX011697.D
 Acq On : 20 Aug 2019 20:53
 Operator : JC/SP
 Sample : VX0820WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:36:22 AM

Quant Time: Aug 21 00:41:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	316180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	439156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	366919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	205838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	142267	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	5.49	113	131801	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
50) Toluene-d8	8.71	98	406116	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
62) 4-Bromofluorobenzene	11.13	95	161643	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	64930	20.892	ug/l	98
3) Chloromethane	1.32	50	52738	16.338	ug/l	99
4) Vinyl Chloride	1.40	62	52509	18.008	ug/l	99
5) Bromomethane	1.63	94	32412	24.807	ug/l	98
6) Chloroethane	1.71	64	30332	21.979	ug/l	98
7) Trichlorofluoromethane	1.92	101	84835	21.005	ug/l	95
8) Diethyl Ether	2.18	74	30014	21.664	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54771	19.634	ug/l	98
10) Methyl Iodide	2.50	142	58751	14.784	ug/l	98
11) Tert butyl alcohol	3.04	59	74642	103.764	ug/l	97
12) 1,1-Dichloroethene	2.37	96	51843	19.230	ug/l	98
13) Acrolein	2.29	56	19949	97.920	ug/l	88
14) Allyl chloride	2.72	41	85345	19.030	ug/l	98
15) Acrylonitrile	3.14	53	171361	104.085	ug/l	99
16) Acetone	2.43	43	147093	99.769	ug/l	100
17) Carbon Disulfide	2.56	76	113566	17.877	ug/l	99
18) Methyl Acetate	2.76	43	96747	21.159	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	184788	21.046	ug/l	95
20) Methylene Chloride	2.85	84	59397	19.188	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	56739	19.860	ug/l	97
22) Diisopropyl ether	3.85	45	183917	20.593	ug/l	96
23) Vinyl Acetate	3.81	43	707699	100.066	ug/l	99
24) 1,1-Dichloroethane	3.69	63	101133	20.028	ug/l	99
25) 2-Butanone	4.67	43	218845	94.550	ug/l	99
26) 2,2-Dichloropropane	4.57	77	66719	17.555	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	62047	18.630	ug/l	99
28) Bromochloromethane	5.01	49	40570	18.302	ug/l	99
29) Tetrahydrofuran	5.12	42	145665	95.939	ug/l	97
30) Chloroform	5.20	83	105707	19.836	ug/l	96
31) Cyclohexane	5.58	56	85384	19.639	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	95055	20.744	ug/l	99
36) 1,1-Dichloropropene	5.79	75	74688	19.892	ug/l	99
37) Ethyl Acetate	4.82	43	81679	18.913	ug/l	99
38) Carbon Tetrachloride	5.77	117	82006	19.824	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84744	18.276	ug/l	100
40) Benzene	6.13	78	225505	19.327	ug/l	100
41) Methacrylonitrile	5.03	41	47489	19.980	ug/l	96
42) 1,2-Dichloroethane	6.18	62	85311	21.103	ug/l	99
43) Isopropyl Acetate	6.44	43	128538	19.072	ug/l	100
44) Trichloroethene	7.21	130	67768	19.578	ug/l	100
45) 1,2-Dichloropropane	7.51	63	57564	19.782	ug/l	100
46) Dibromomethane	7.66	93	39323	18.596	ug/l	95
47) Bromodichloromethane	7.89	83	75495	19.444	ug/l	95
48) Methyl methacrylate	7.77	41	65924	19.752	ug/l	95
49) 1,4-Dioxane	7.74	88	35479	399.659	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	441032	99.974	ug/l	98
52) Toluene	8.78	92	144598	19.452	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	75737	18.795	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	80474	18.248	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	62167	19.666	ug/l	99
56) Ethyl methacrylate	9.18	69	90224	19.637	ug/l	98
57) 1,3-Dichloropropane	9.37	76	100087	19.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	214499	93.697	ug/l	100
59) 2-Hexanone	9.49	43	341723	100.450	ug/l	98
60) Dibromochloromethane	9.58	129	61597	18.702	ug/l	99
61) 1,2-Dibromoethane	9.67	107	66580	19.735	ug/l	100
64) Tetrachloroethene	9.34	164	66931	22.233	ug/l	95
65) Chlorobenzene	10.13	112	155461	19.865	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	58611	20.037	ug/l	97
67) Ethyl Benzene	10.25	91	263048	20.140	ug/l	98
68) m/p-Xylenes	10.35	106	203117	40.514	ug/l	97
69) o-Xylene	10.69	106	98365	20.030	ug/l	97
70) Styrene	10.71	104	165817	20.057	ug/l	98
71) Bromoform	10.85	173	44613	17.953	ug/l #	100
73) Isopropylbenzene	11.02	105	268439	20.098	ug/l	99
74) N-amyl acetate	10.90	43	105979	18.671	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	91200	19.849	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	78495m	20.111	ug/l	
77) Bromobenzene	11.25	156	74598	18.772	ug/l	96
78) n-propylbenzene	11.36	91	292888	20.336	ug/l	100
79) 2-Chlorotoluene	11.41	91	177043	20.019	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	228266	20.345	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	21509	18.075	ug/l	86
82) 4-Chlorotoluene	11.51	91	207047	20.180	ug/l	98
83) tert-Butylbenzene	11.77	119	229517	20.085	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	234068	20.780	ug/l	98
85) sec-Butylbenzene	11.94	105	264674	20.529	ug/l	98
86) p-Isopropyltoluene	12.06	119	251137	20.705	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	133588	19.558	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	137699	19.891	ug/l	98
89) n-Butylbenzene	12.38	91	207409	20.800	ug/l	99
90) Hexachloroethane	12.59	117	37549	19.604	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	143678	20.955	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	21075	20.049	ug/l	96

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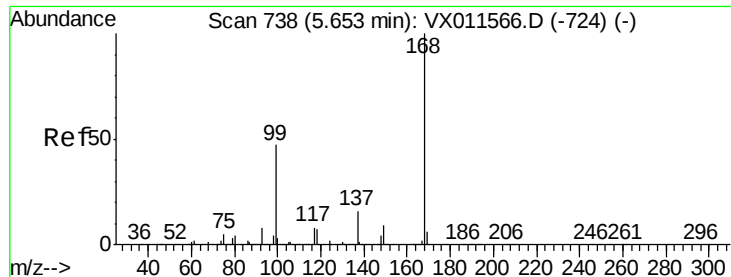
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	107361	21.015	ug/l	99
94) Hexachlorobutadiene	13.78	225	56168	20.191	ug/l	99
95) Naphthalene	13.83	128	320814	22.213	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111206	21.581	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion:168 Resp: 316180

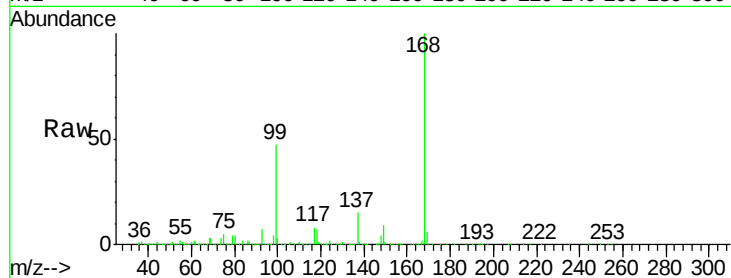
Ion Ratio Lower Upper

168 100

99 47.4 37.3 55.9

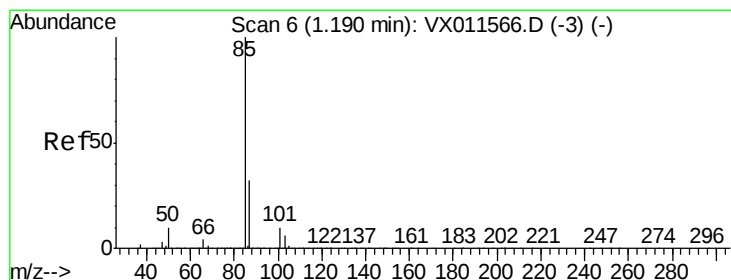
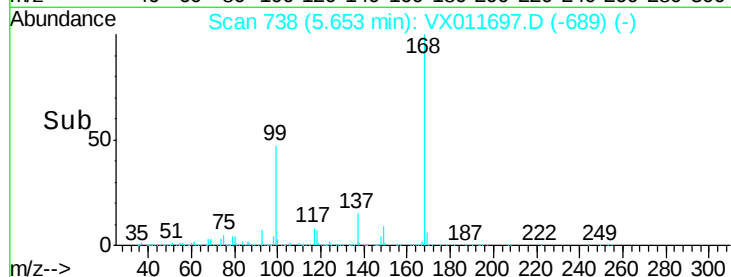
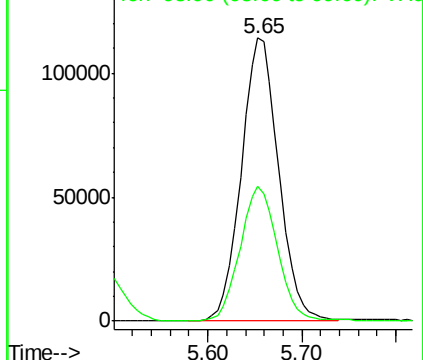
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.892 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011697.D

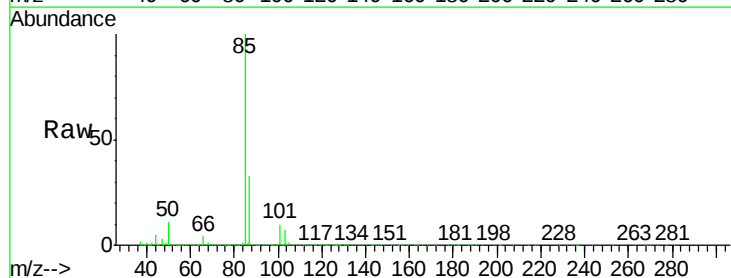
Acq: 20 Aug 2019 20:53

Tgt Ion: 85 Resp: 64930

Ion Ratio Lower Upper

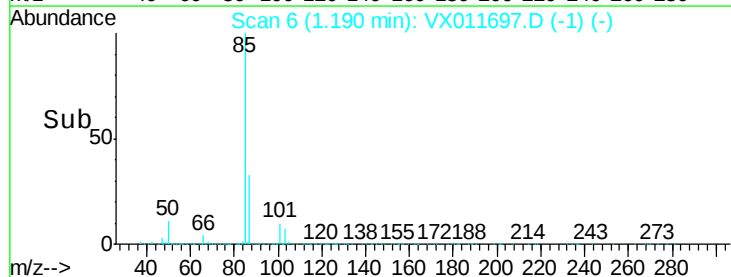
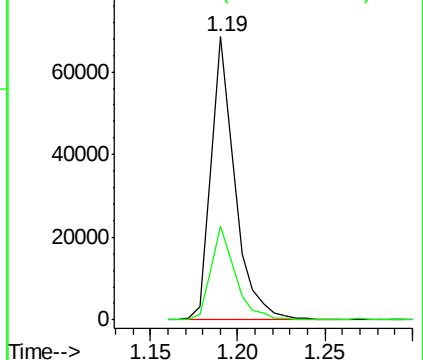
85 100

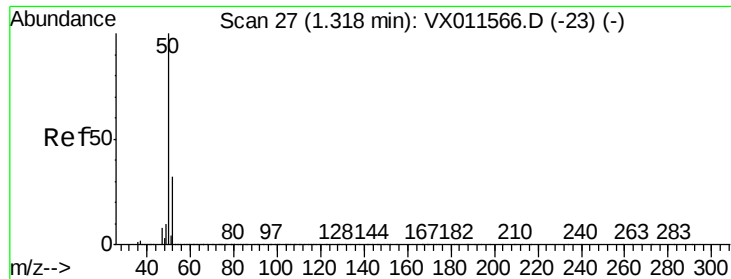
87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.338 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 50 Resp: 52738

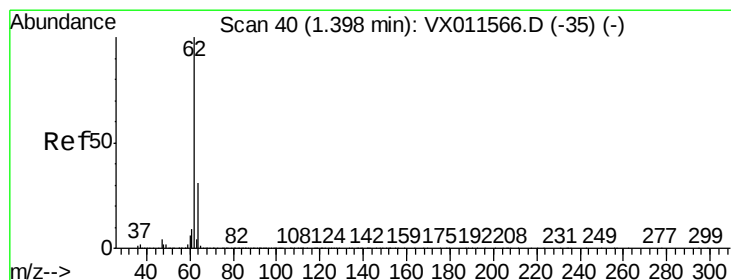
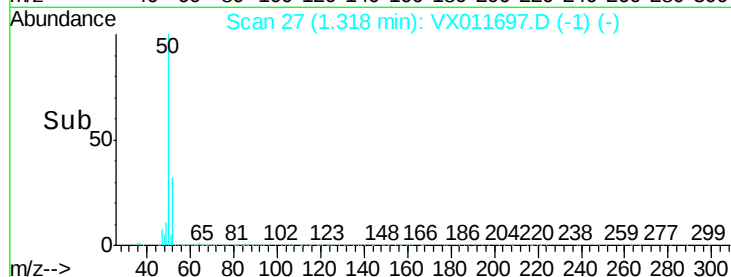
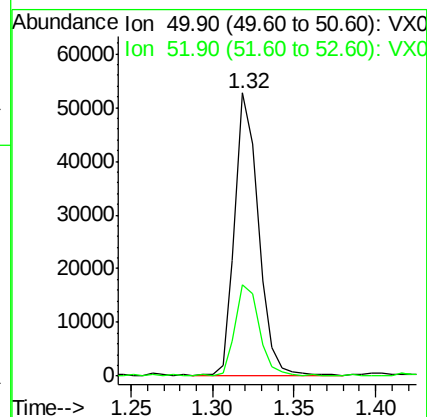
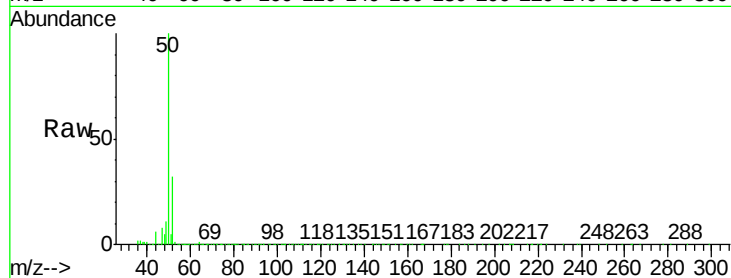
Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.008 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011697.D

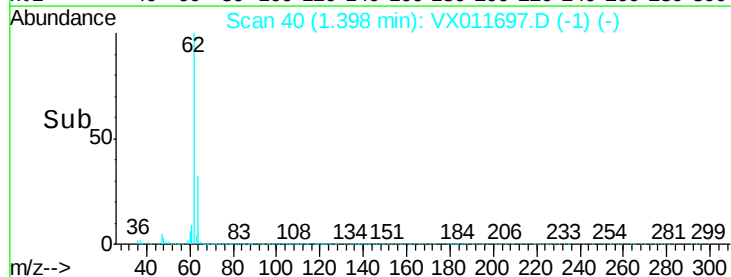
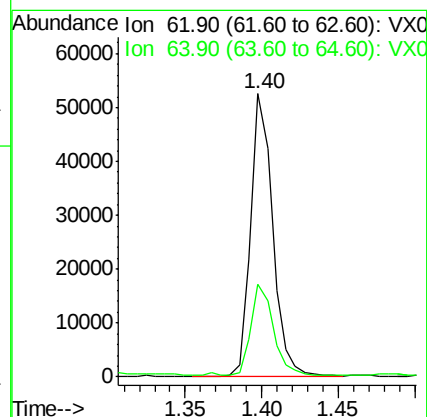
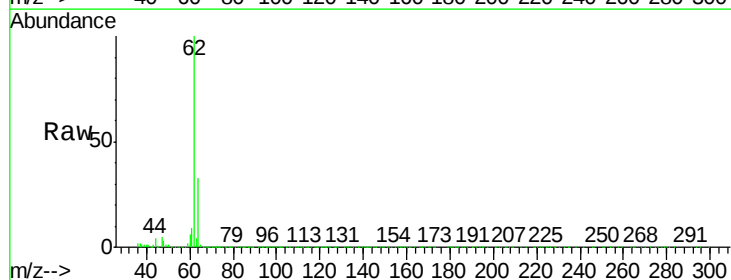
Acq: 20 Aug 2019 20:53

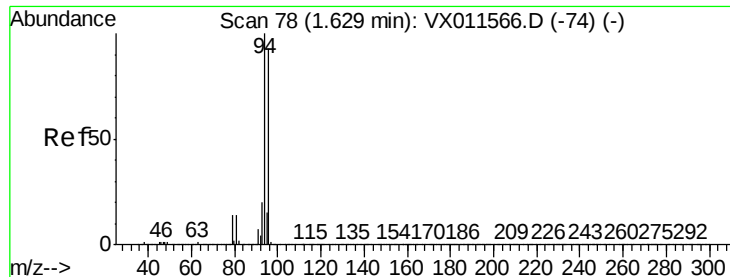
Tgt Ion: 62 Resp: 52509

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 24.807 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 94 Resp: 32412

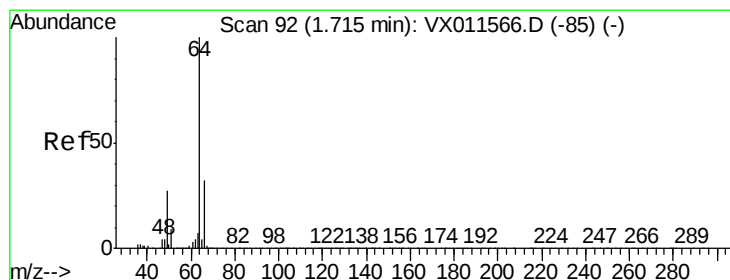
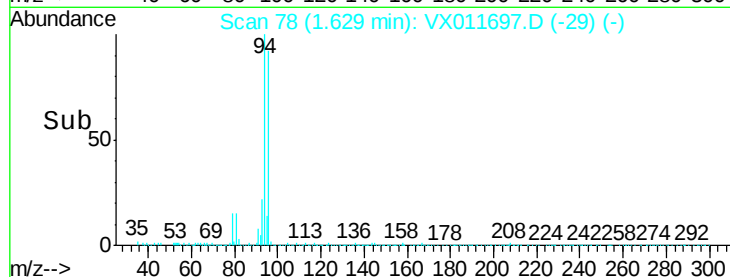
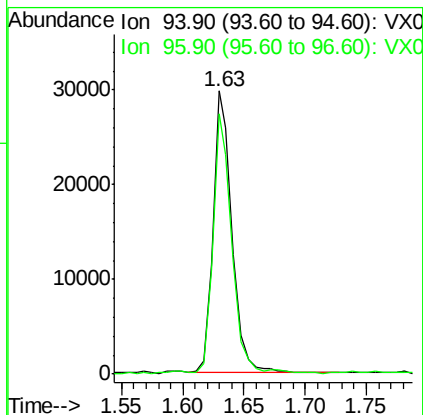
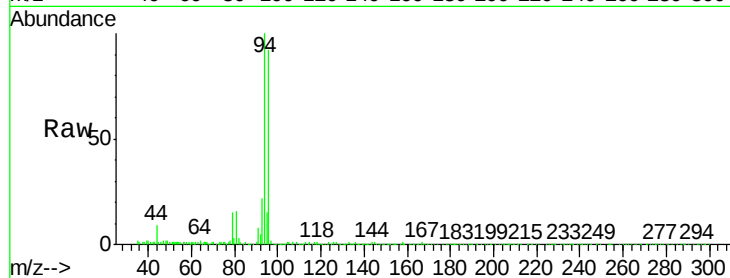
Ion Ratio Lower Upper

94 100

96 91.8 74.8 112.2

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#6

Chloroethane

Concen: 21.979 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011697.D

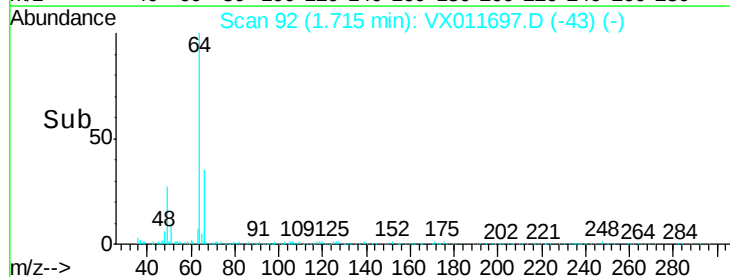
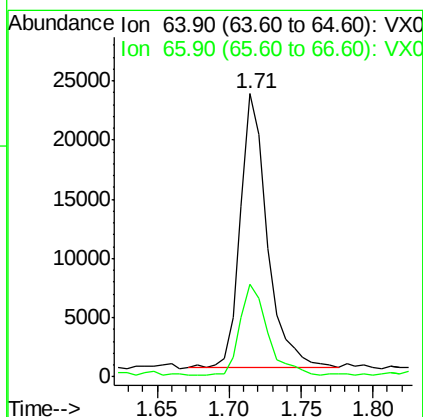
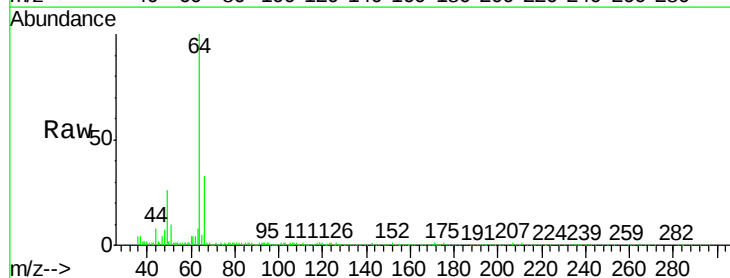
Acq: 20 Aug 2019 20:53

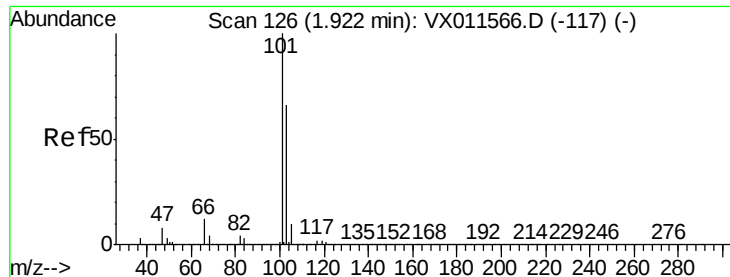
Tgt Ion: 64 Resp: 30332

Ion Ratio Lower Upper

64 100

66 32.8 25.3 37.9





#7

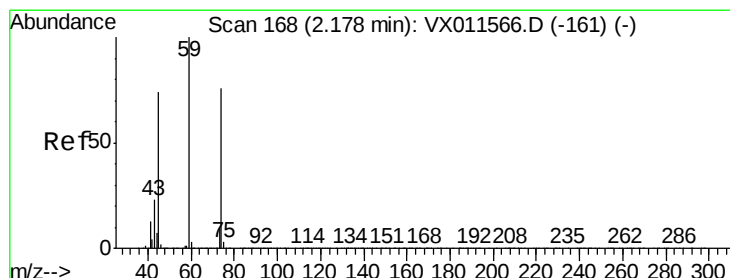
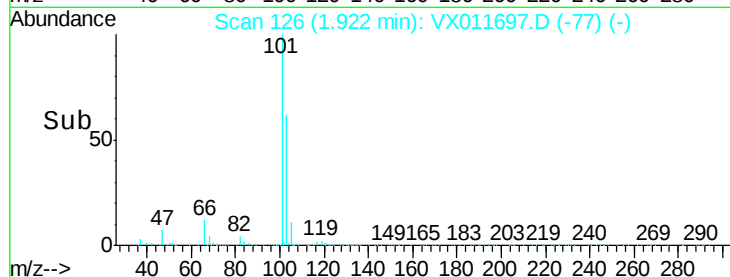
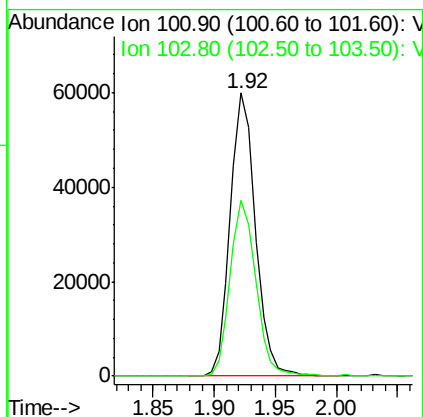
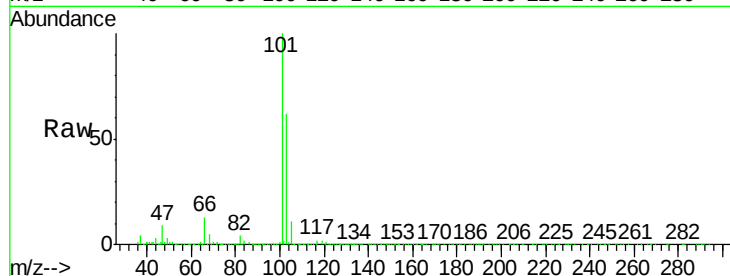
Trichlorofluoromethane
Concen: 21.005 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
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ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.9	79.3

Manual Integrations
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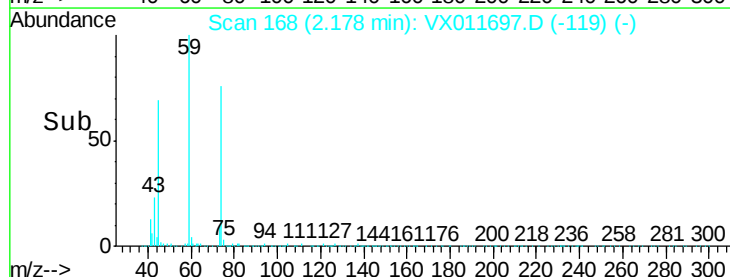
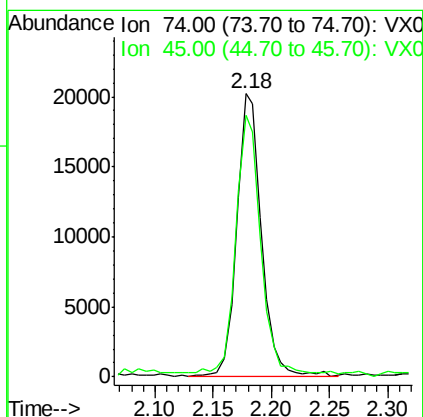
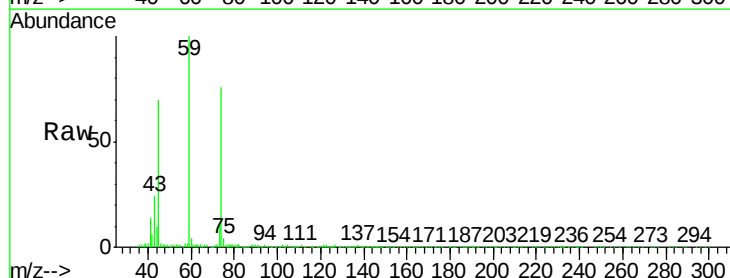
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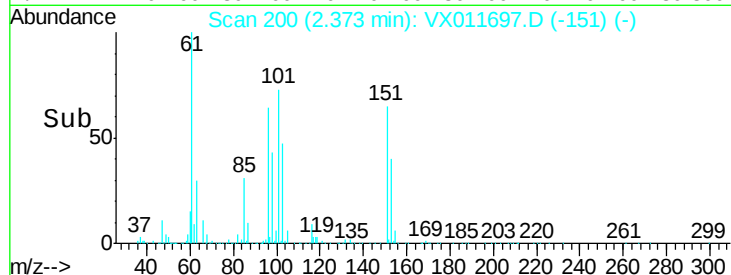
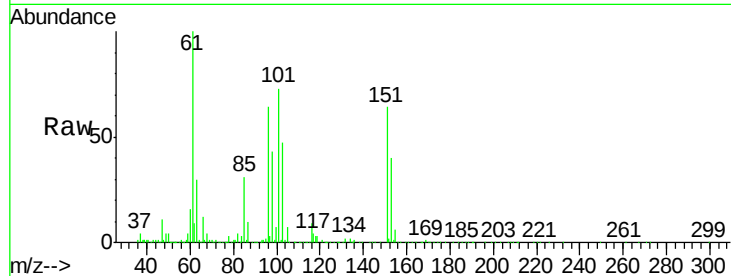
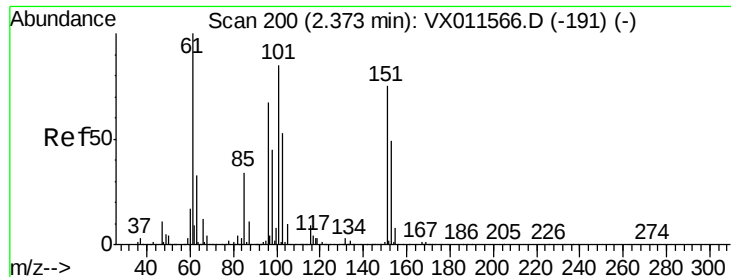


#8

Diethyl Ether
Concen: 21.664 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.634 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011697.D

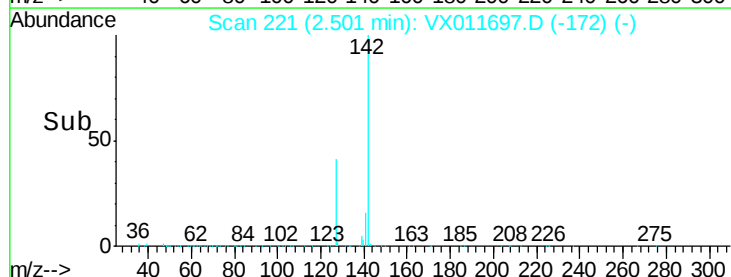
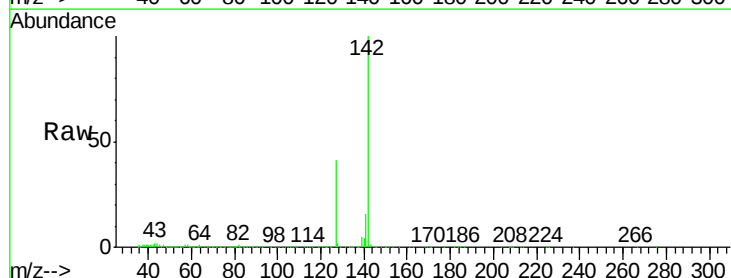
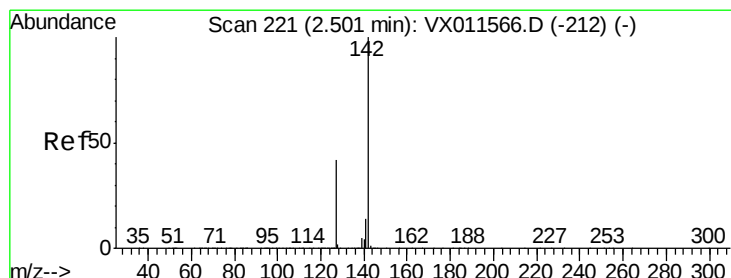
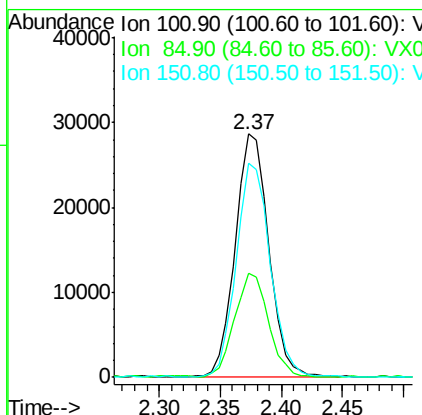
Acq: 20 Aug 2019 20:53

Tot Ion	Ratio	Resp	Lower	Upper
101	100	54771		
85	42.6	33.0	49.4	
151	89.5	73.3	109.9	

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

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#10

Methyl Iodide

Concen: 14.784 ug/l

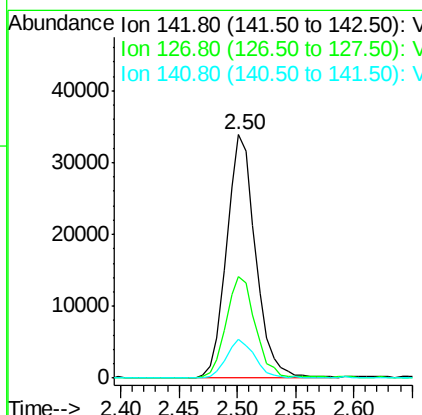
RT: 2.50 min Scan# 221

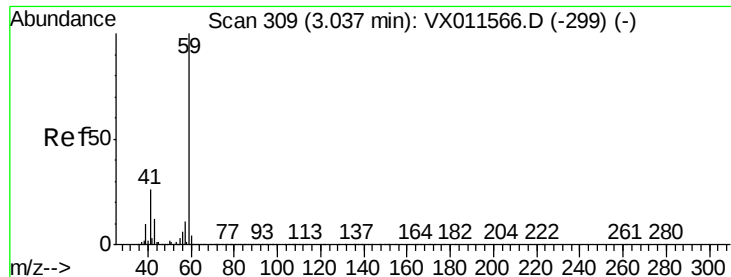
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	58751		
127	42.1	32.8	49.2	
141	15.6	11.4	17.2	





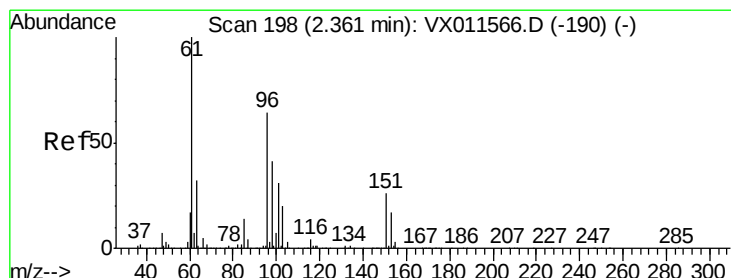
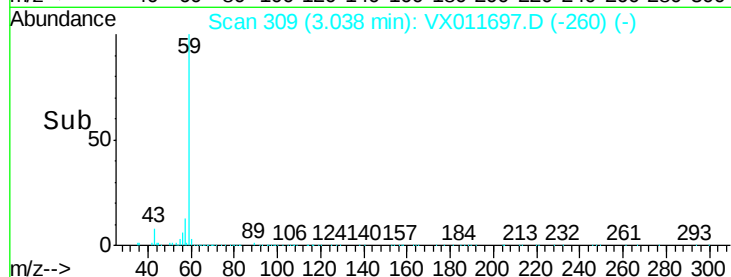
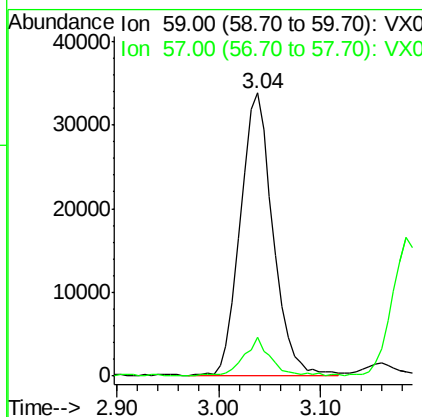
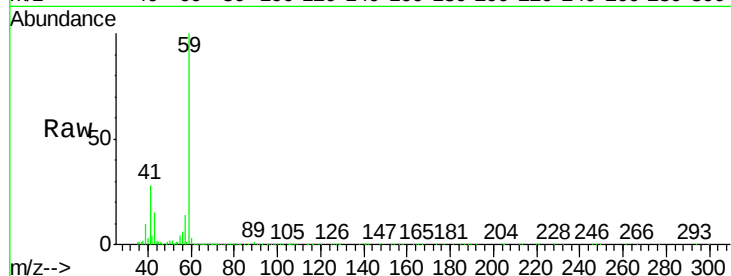
#11
Tert butyl alcohol
Concen: 103.764 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.7	13.1

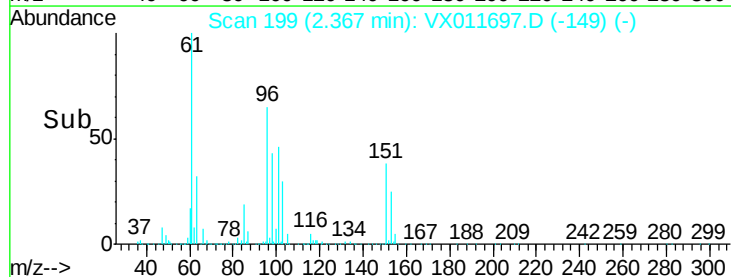
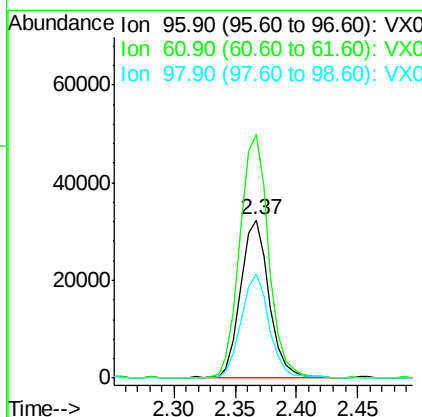
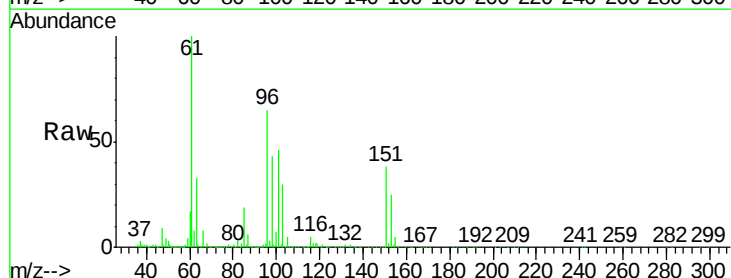
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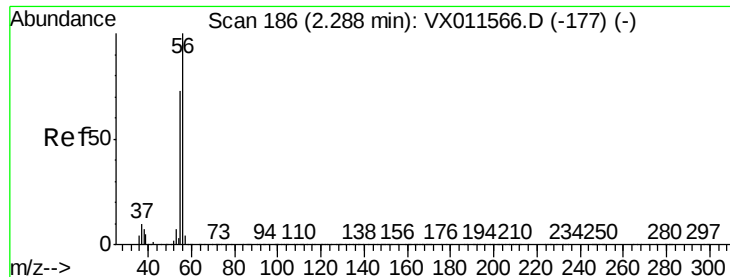
MMDadoda
8/21/2019 9:36:22 AM



#12
1,1-Dichloroethene
Concen: 19.230 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	125.0	187.4
98	65.8	51.5	77.3





#13

Acrolein

Concen: 97.920 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 56 Resp: 19949

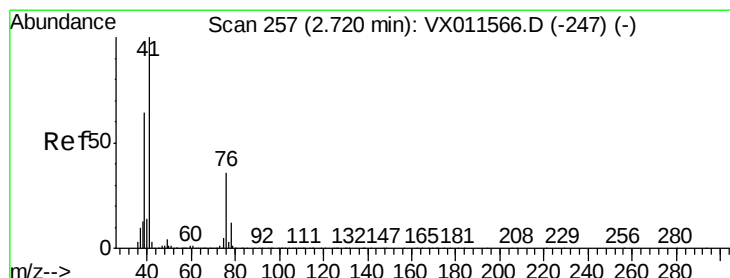
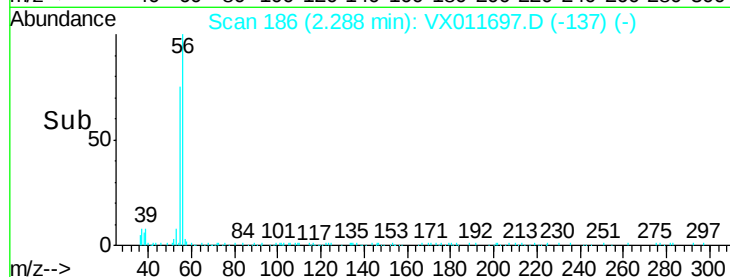
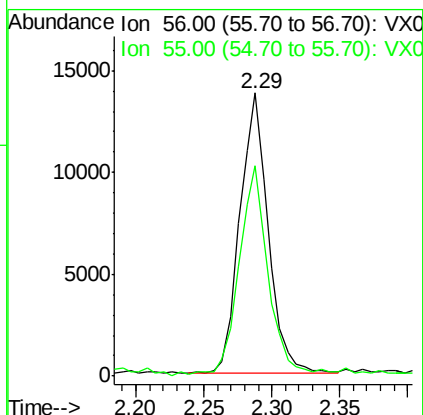
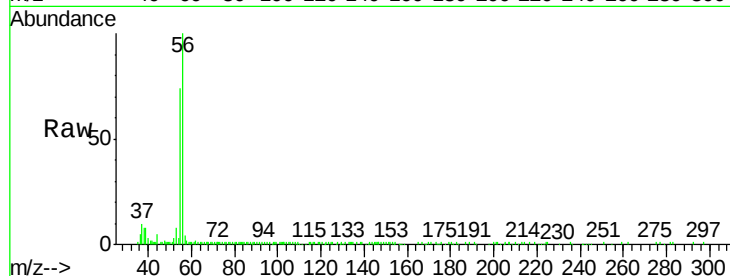
Ion Ratio Lower Upper

56 100

55 79.2 55.5 83.3

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#14

Allyl chloride

Concen: 19.030 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

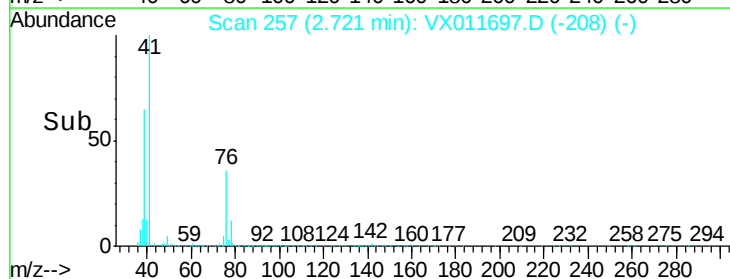
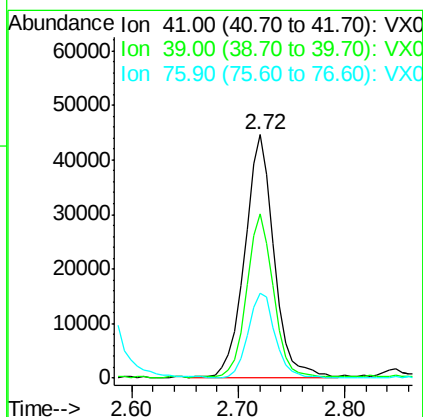
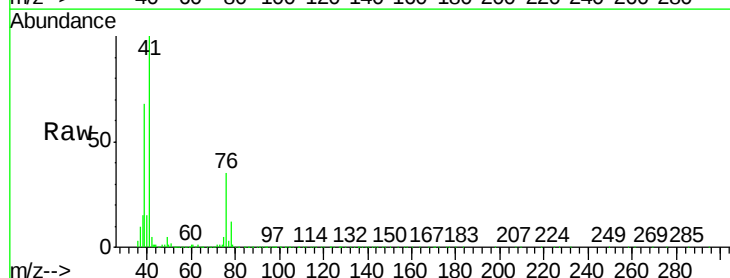
Tgt Ion: 41 Resp: 85345

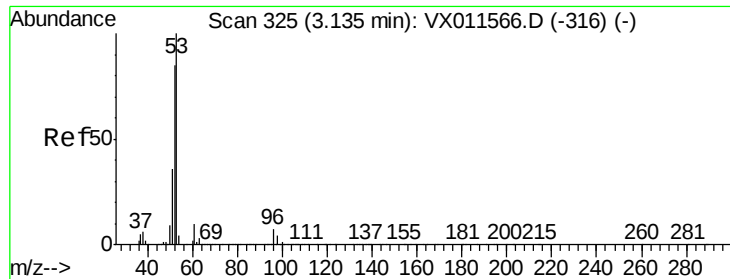
Ion Ratio Lower Upper

41 100

39 60.9 47.5 71.3

76 32.1 26.3 39.5





#15

Acrylonitrile

Concen: 104.085 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

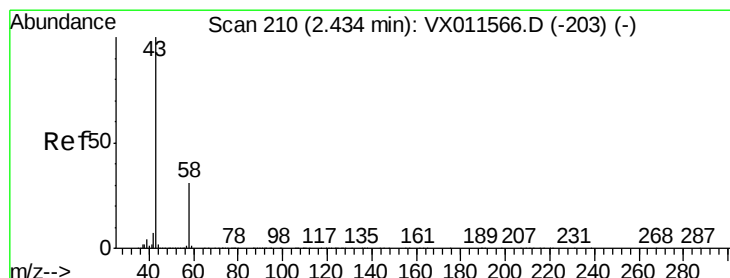
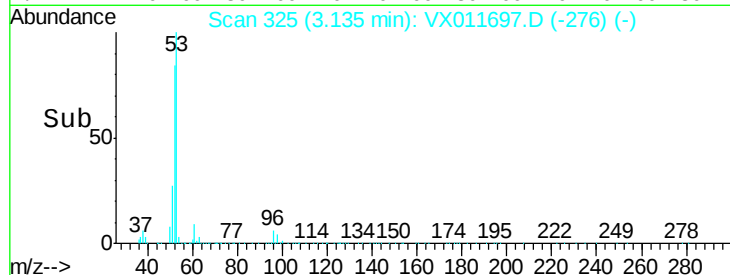
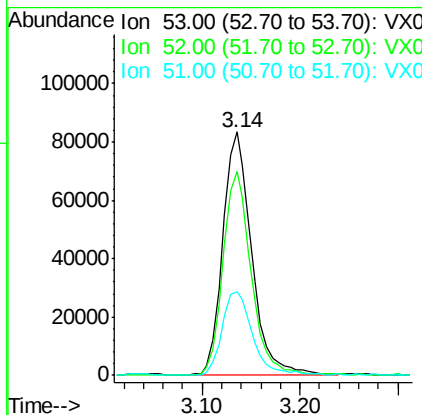
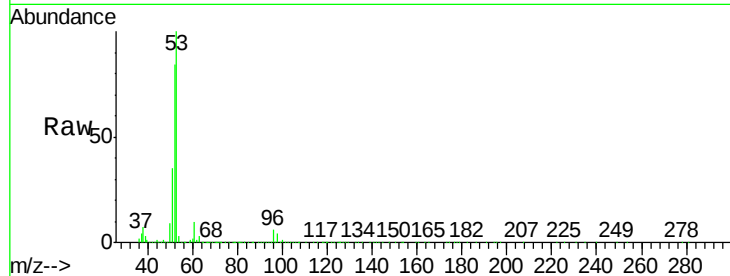
ClientSampleId :

VX0820WBS02

Tot Ion:	53	Resp:	171361
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.7	100.1
51	35.8	28.7	43.1

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#16

Acetone

Concen: 99.769 ug/l

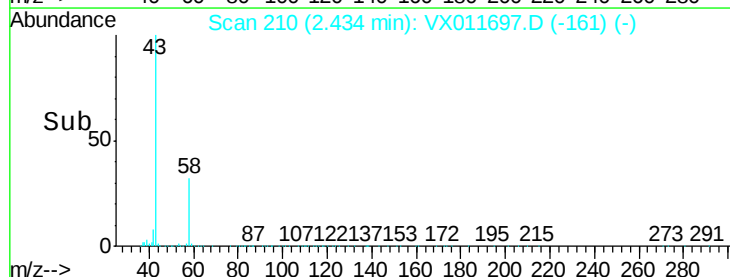
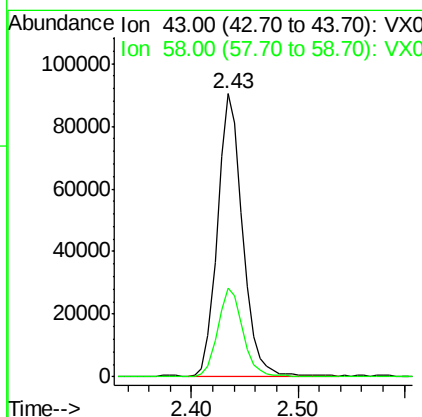
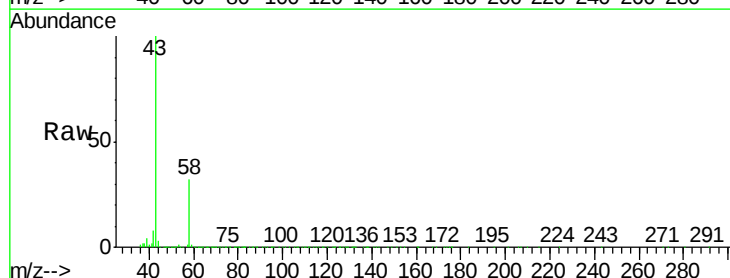
RT: 2.43 min Scan# 210

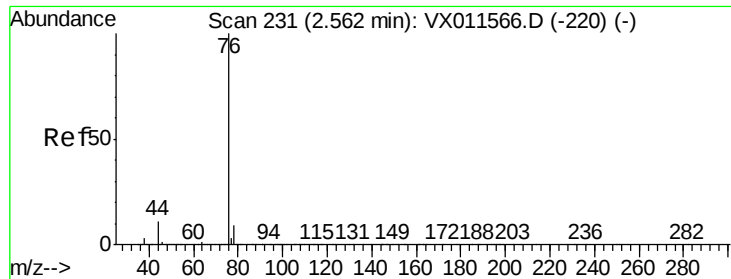
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	43	Resp:	147093
Ion Ratio	Lower	Upper	
43	100		
58	31.5	25.2	37.8





#17

Carbon Disulfide

Concen: 17.877 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 76 Resp: 113566

Ion Ratio Lower Upper

76 100

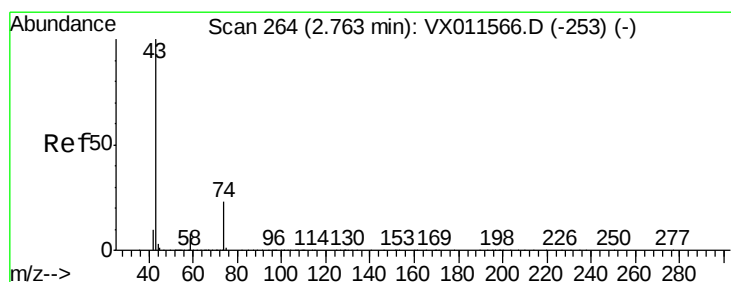
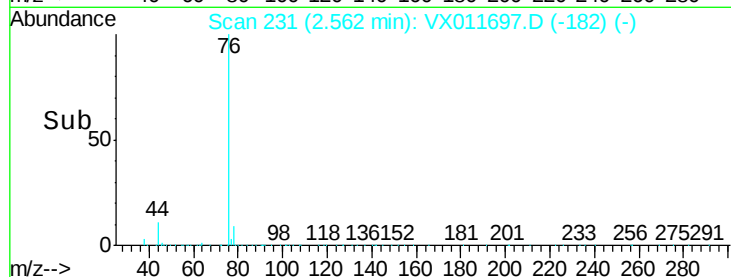
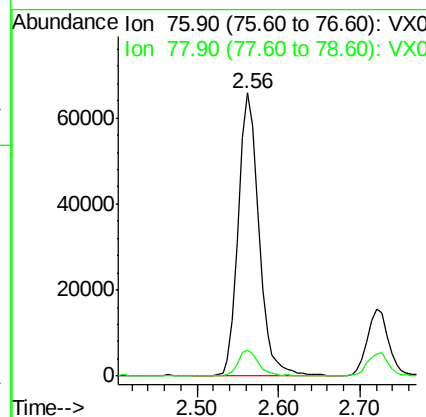
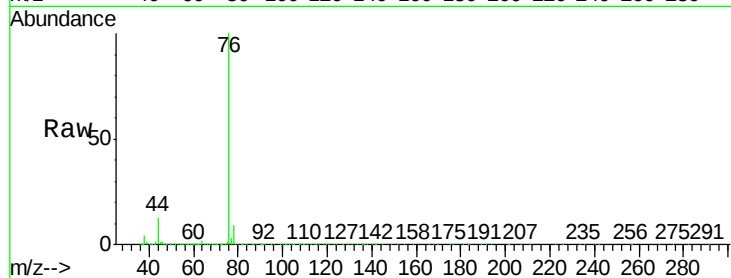
78 9.2 7.2 10.8

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#18

Methyl Acetate

Concen: 21.159 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011697.D

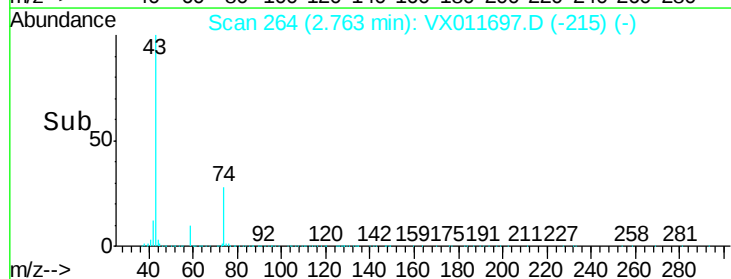
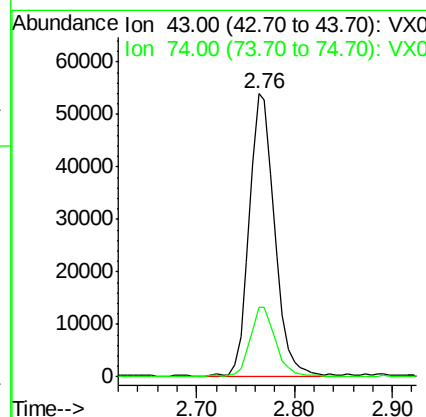
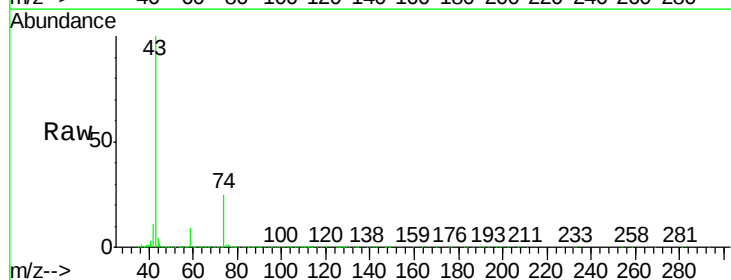
Acq: 20 Aug 2019 20:53

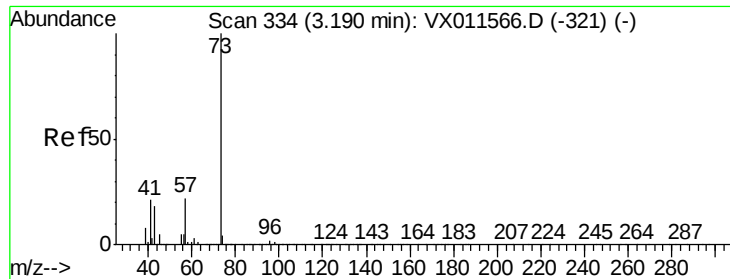
Tgt Ion: 43 Resp: 96747

Ion Ratio Lower Upper

43 100

74 25.4 19.7 29.5





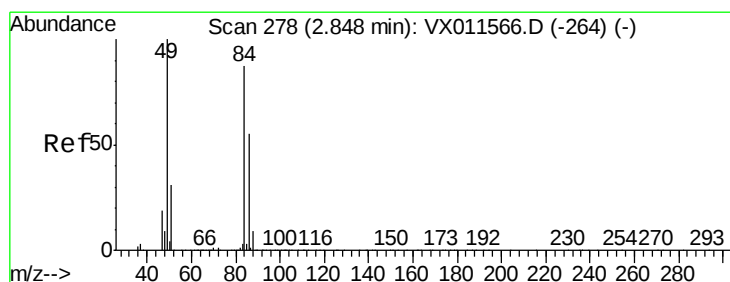
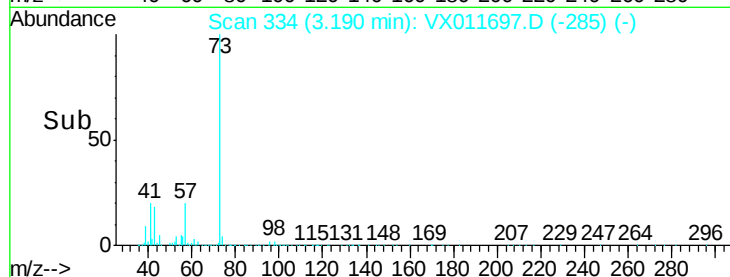
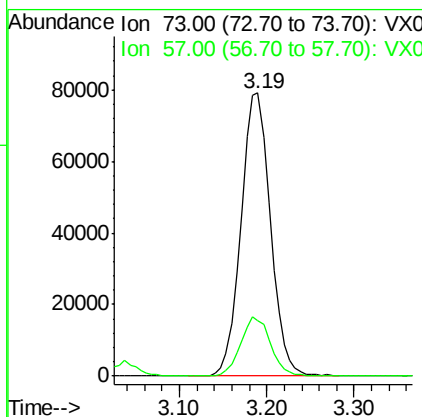
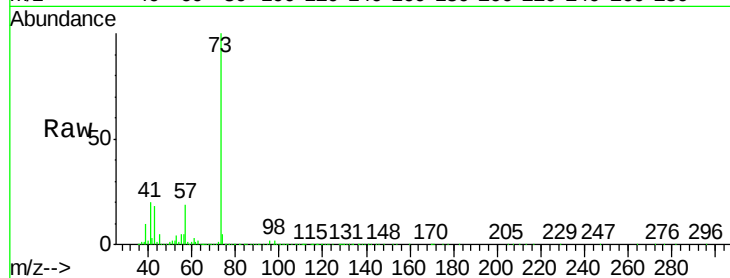
#19
Methvl tert-butvl Ether
Concen: 21.046 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.2	25.8

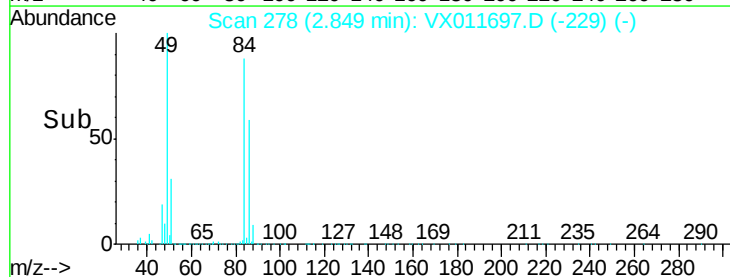
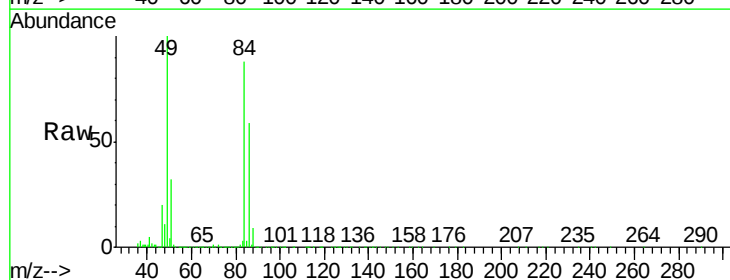
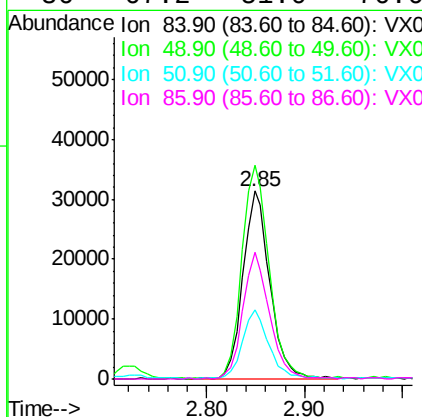
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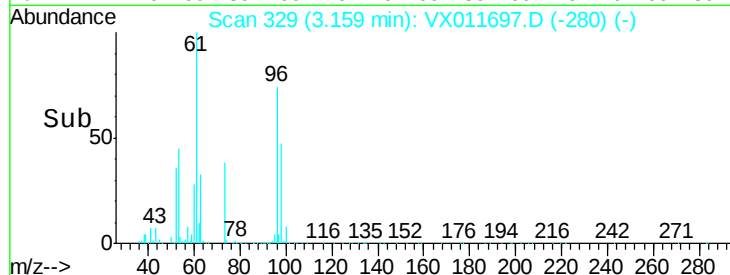
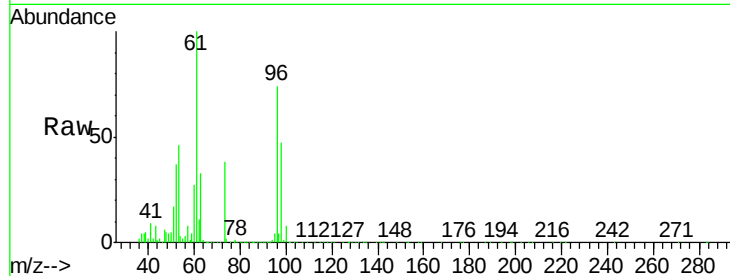
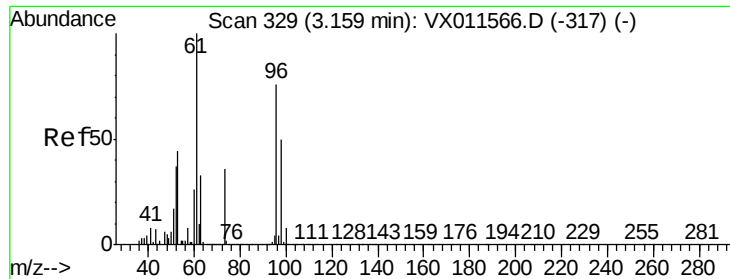
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#20
Methylene Chloride
Concen: 19.188 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.6	92.4	138.6
51	36.1	28.5	42.7
86	67.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.860 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011697.D

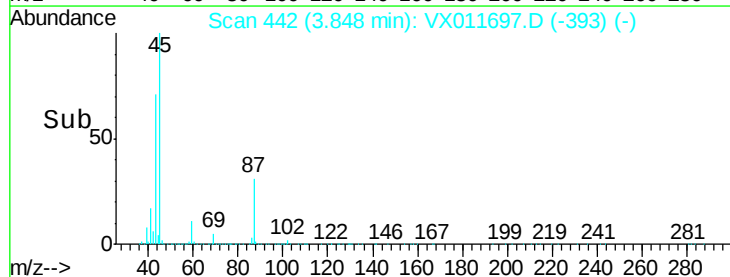
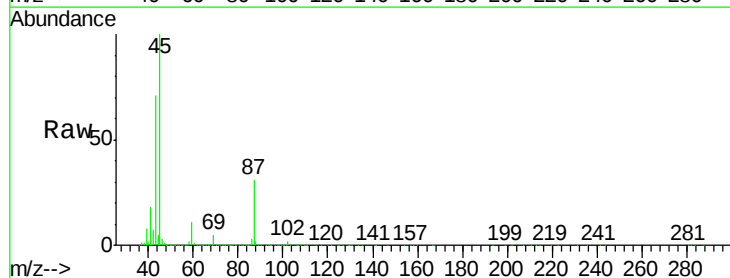
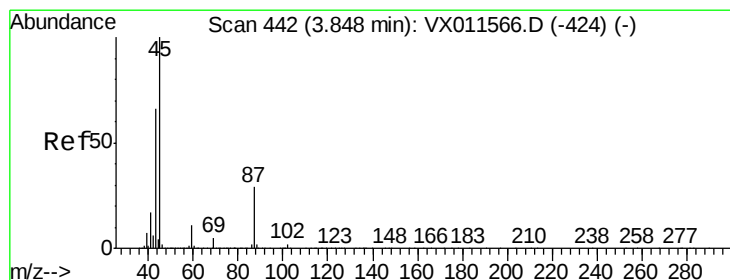
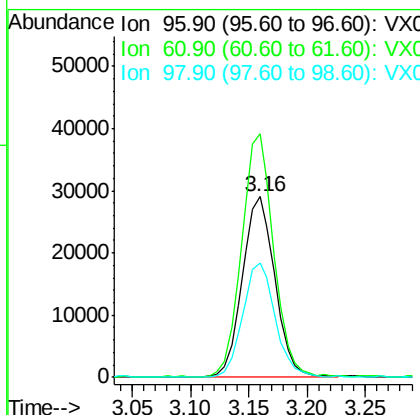
Acq: 20 Aug 2019 20:53

Tot Ion:	96	Resp:	56739
Ion Ratio	Lower	Upper	
96	100		
61	134.3	105.5	158.3
98	62.7	52.6	78.8

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

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#22

Diisopropyl ether

Concen: 20.593 ug/l

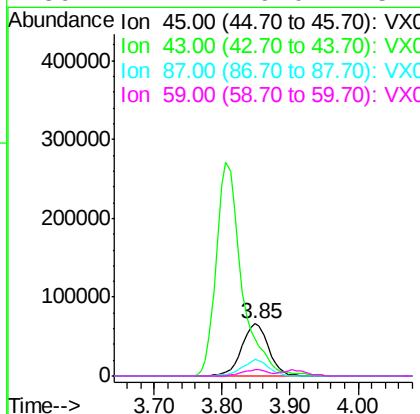
RT: 3.85 min Scan# 442

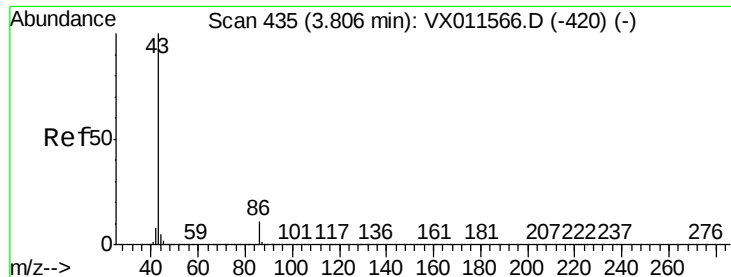
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	45	Resp:	183917
Ion Ratio	Lower	Upper	
45	100		
43	70.3	52.7	79.1
87	30.9	23.5	35.3
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 100.066 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 43 Resp: 707699

Ion Ratio Lower Upper

43 100

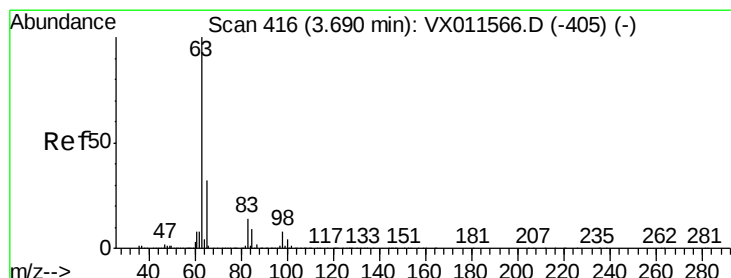
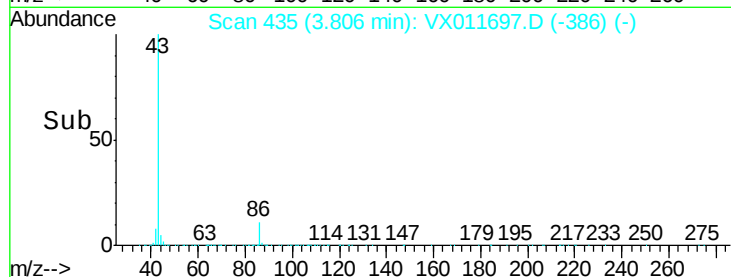
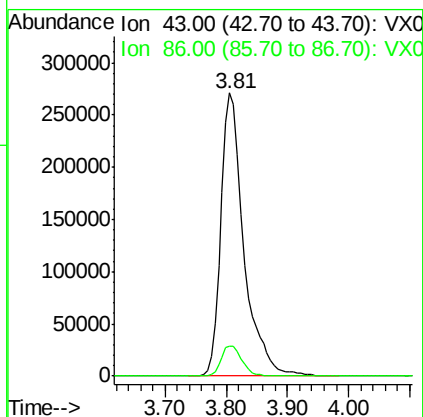
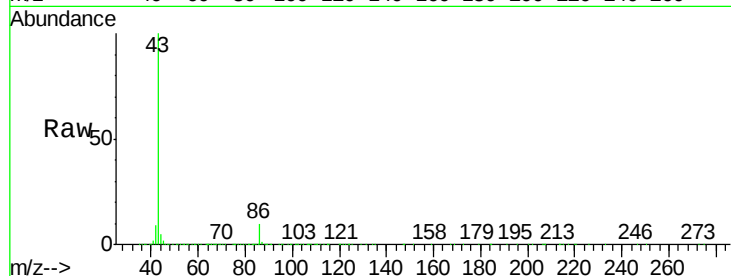
86 10.5 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 20.028 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

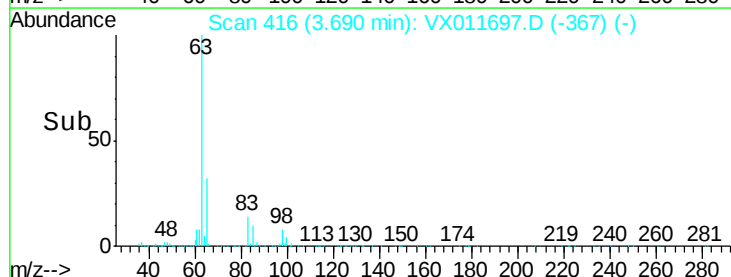
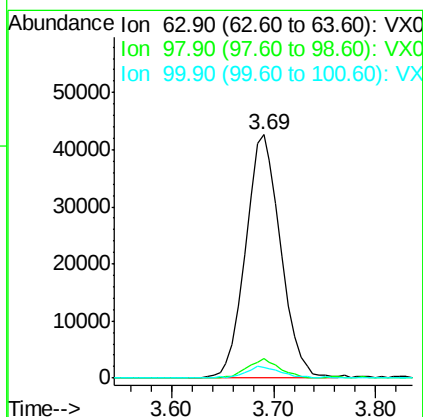
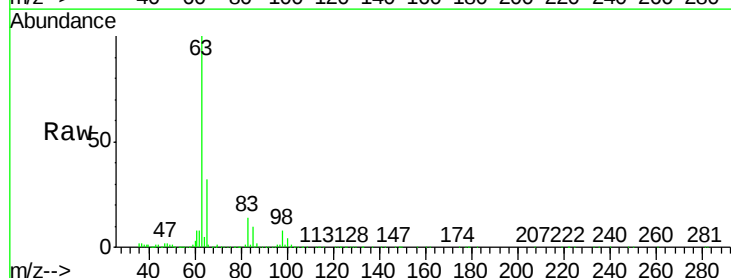
Tgt Ion: 63 Resp: 101133

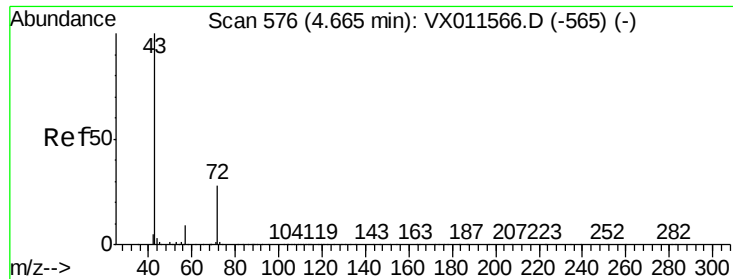
Ion Ratio Lower Upper

63 100

98 8.1 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 94.550 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 43 Resp: 218845

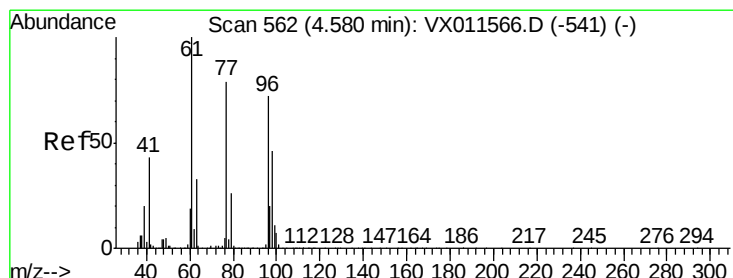
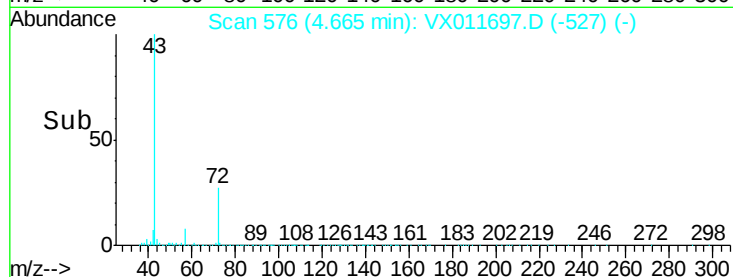
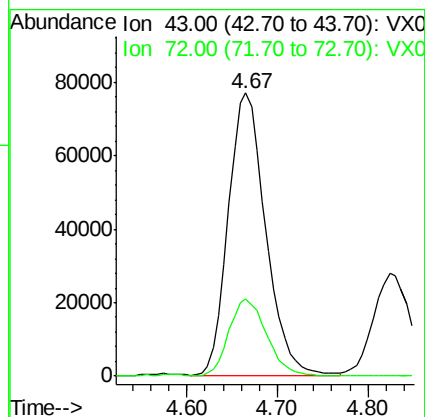
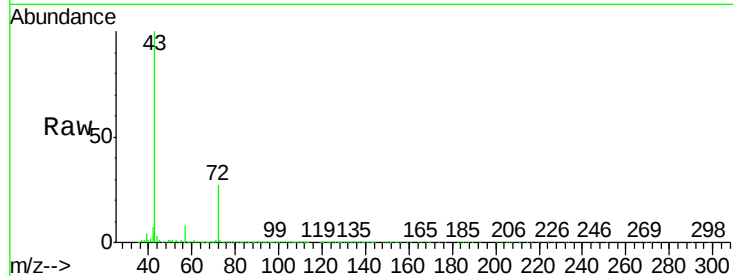
Ion Ratio Lower Upper

43 100

72 27.0 22.2 33.4

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#26

2,2-Dichloropropane

Concen: 17.555 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011697.D

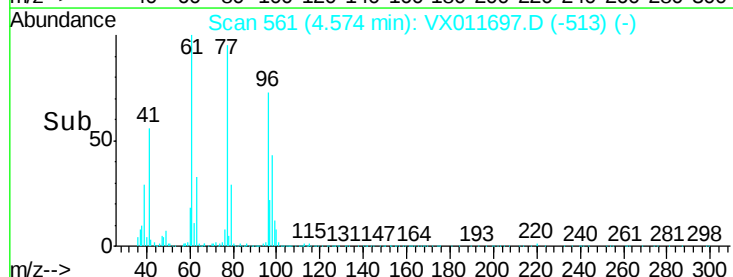
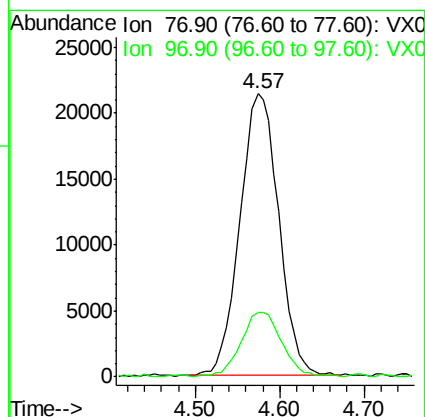
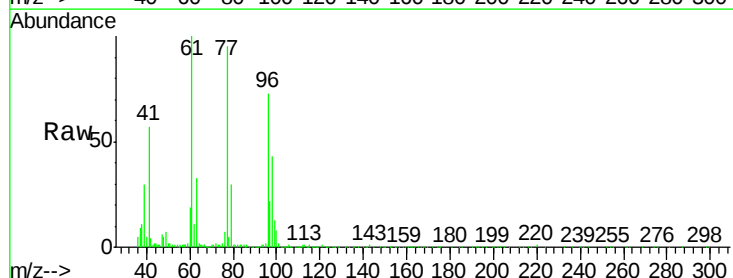
Acq: 20 Aug 2019 20:53

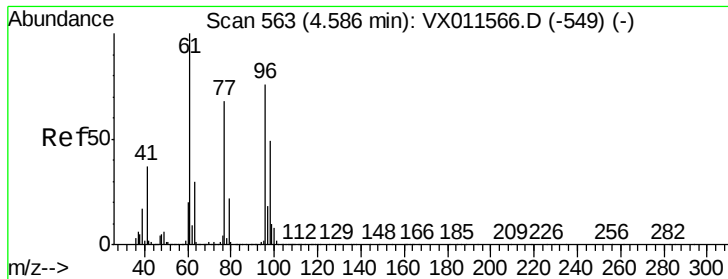
Tgt Ion: 77 Resp: 66719

Ion Ratio Lower Upper

77 100

97 24.4 12.4 37.2





#27

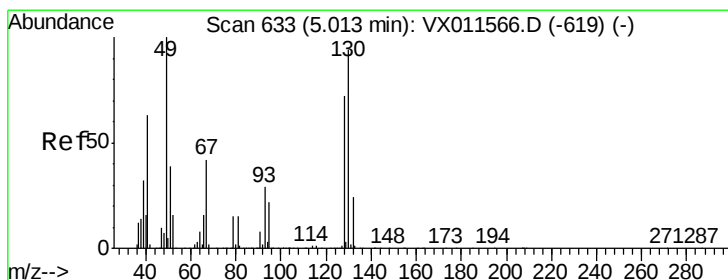
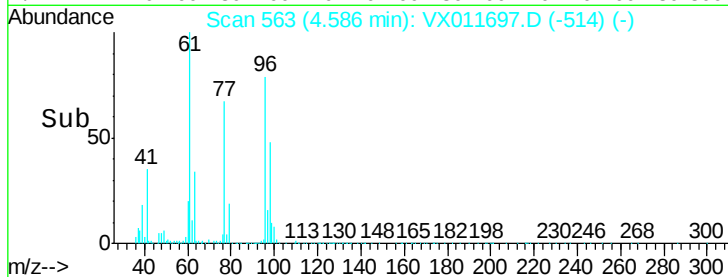
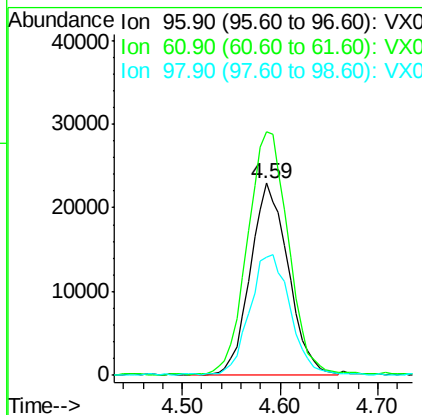
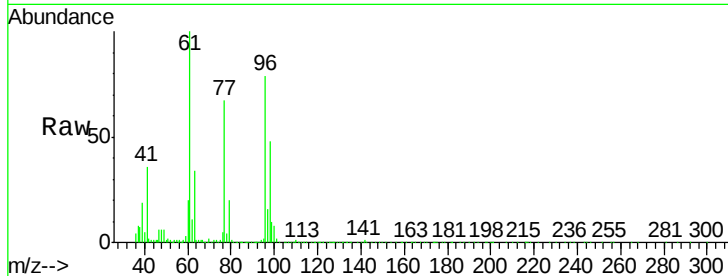
cis-1,2-Dichloroethene
Concen: 18.630 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	272.6
98	65.5	0.0	129.4

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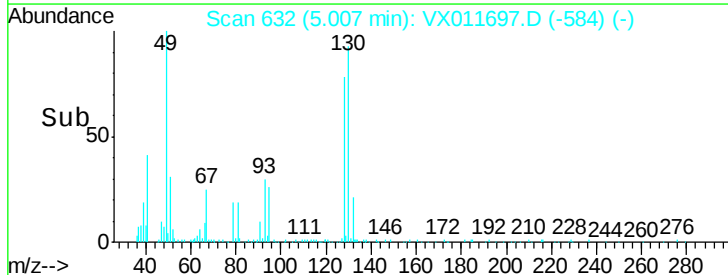
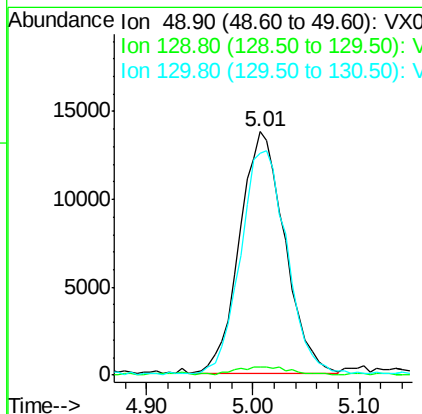
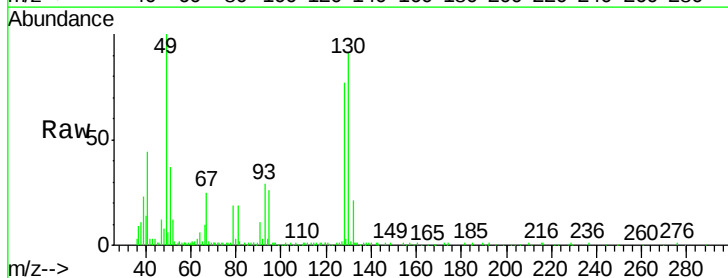
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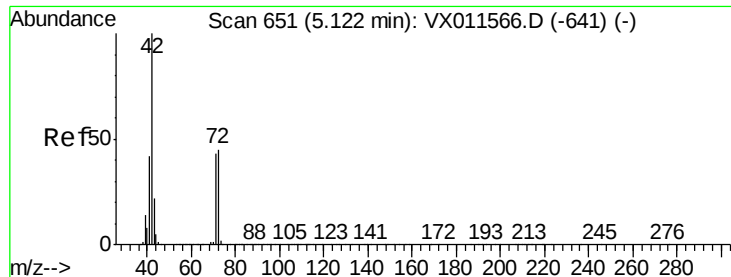


#28

Bromochloromethane
Concen: 18.302 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.4	0.0	5.0
130	95.1	76.6	115.0





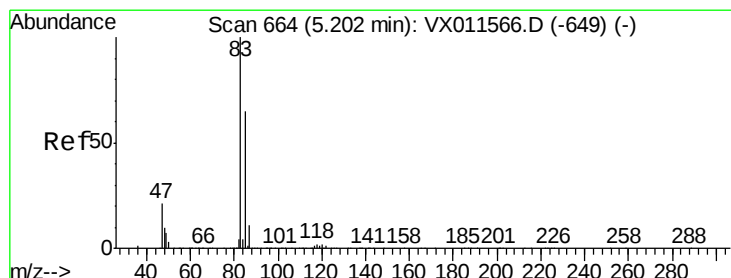
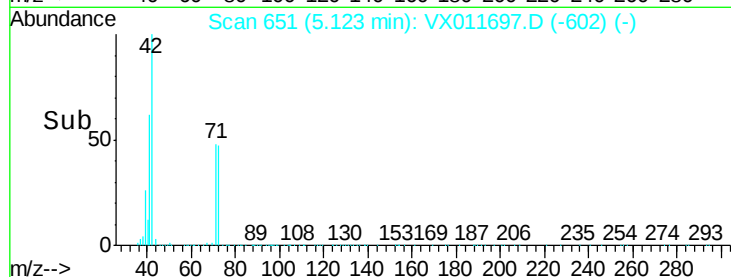
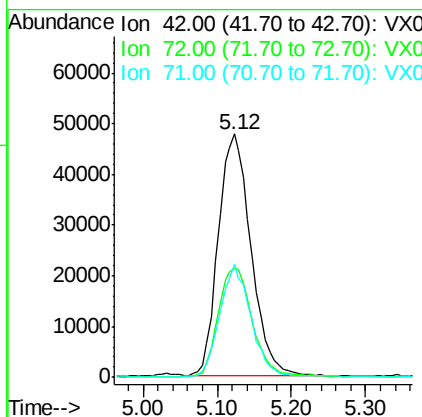
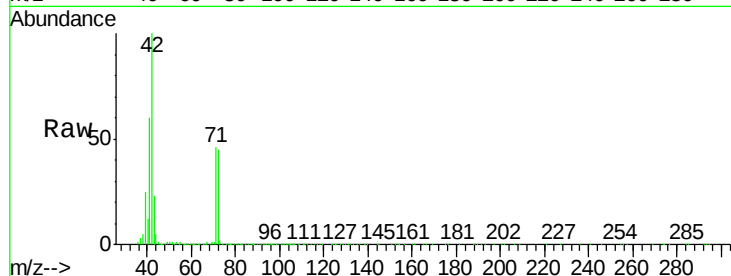
#29
Tetrahydrofuran
Concen: 95.939 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
42	100	145665		
72	47.3	36.1	54.1	
71	44.2	33.8	50.8	

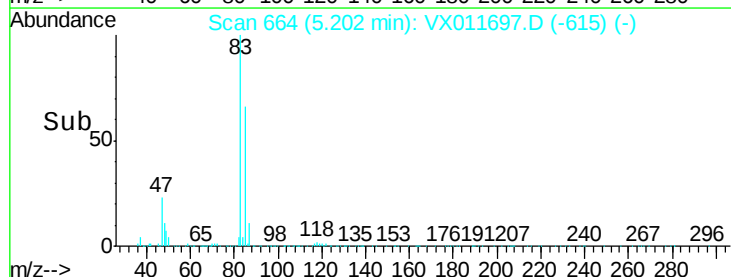
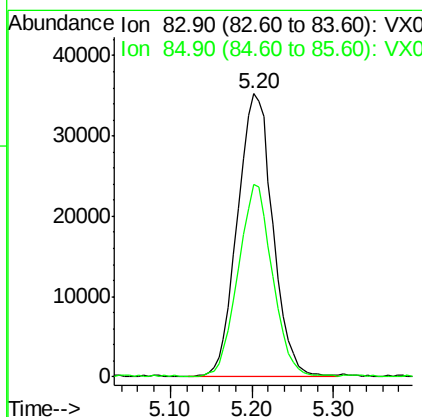
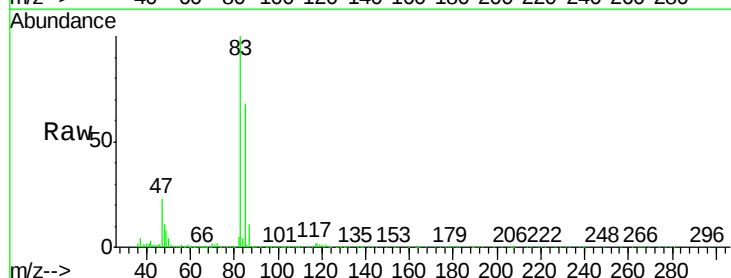
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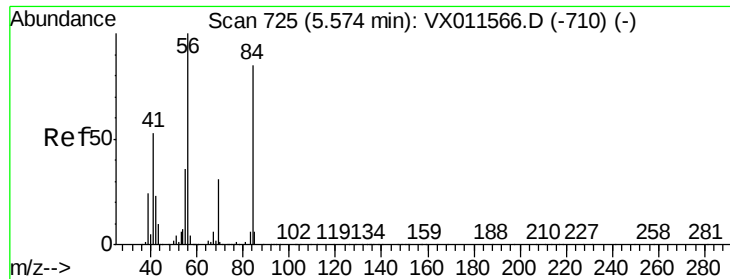
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#30
Chloroform
Concen: 19.836 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	105707		
85	68.3	51.9	77.9	





#31

Cyclohexane

Concen: 19.639 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

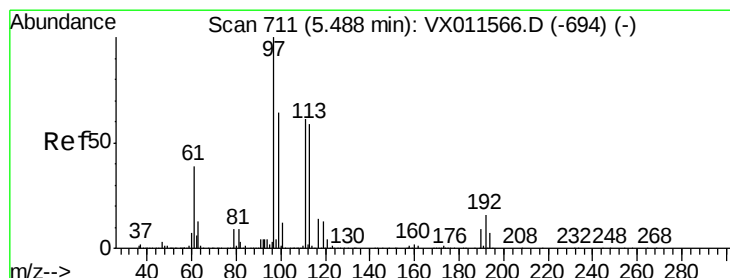
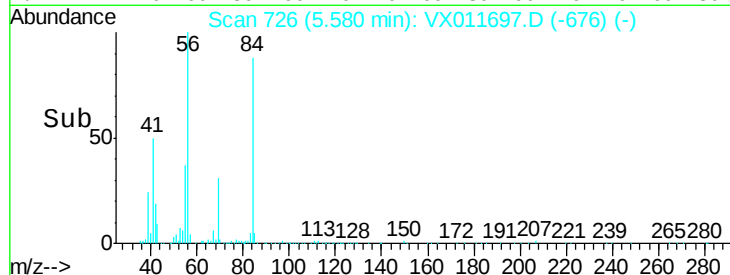
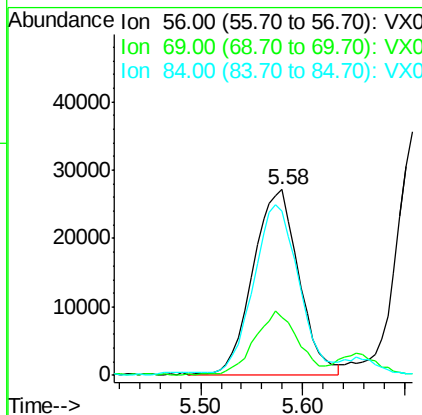
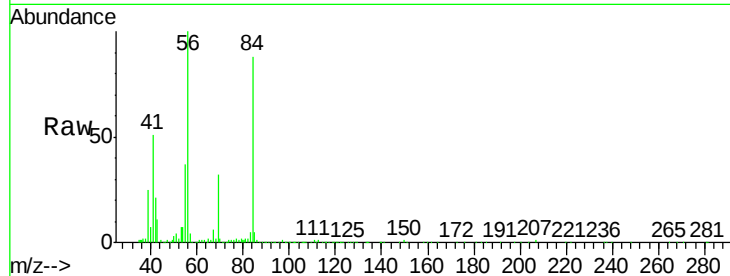
ClientSampleId :

VX0820WBS02

Tot Ion:	56	Resp:	85384
Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.8	37.2
84	86.8	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 20.744 ug/l

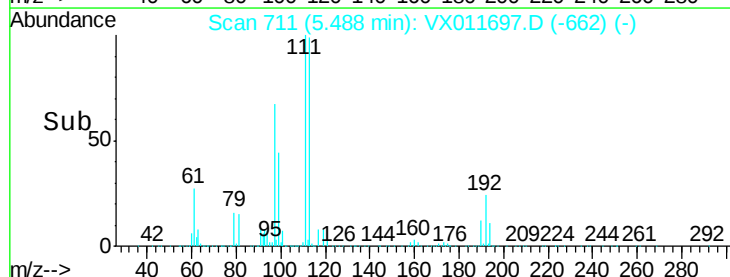
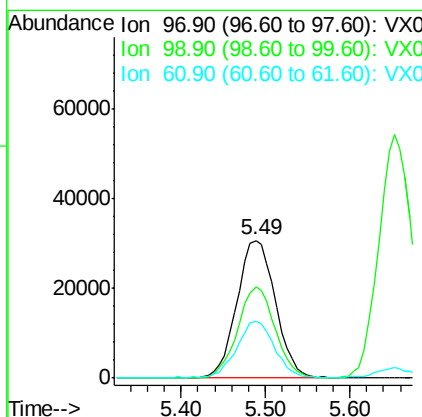
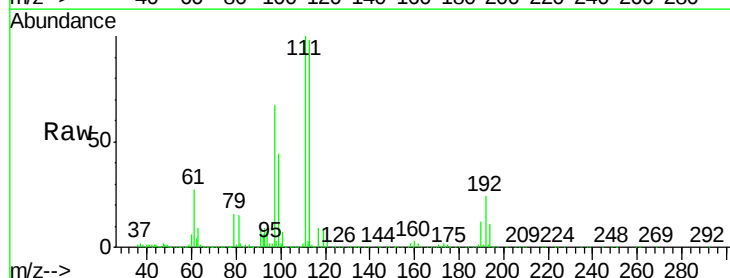
RT: 5.49 min Scan# 711

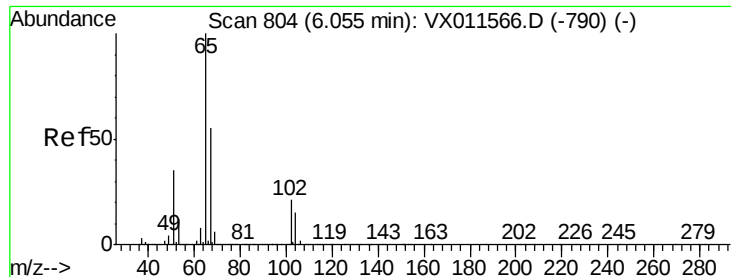
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	97	Resp:	95055
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	39.7	31.4	47.2





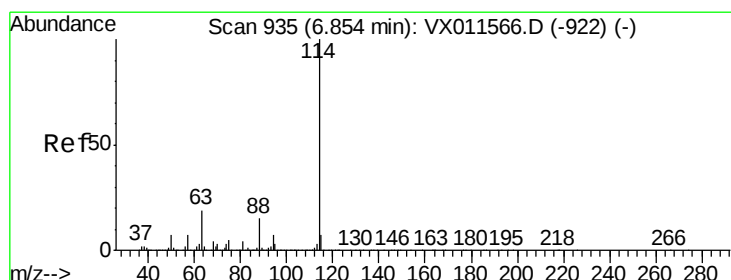
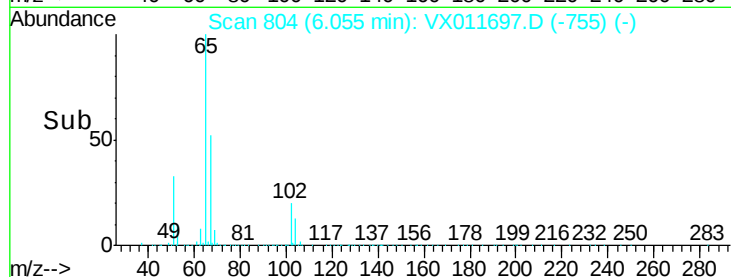
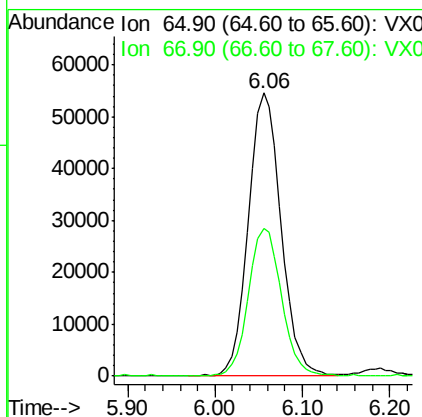
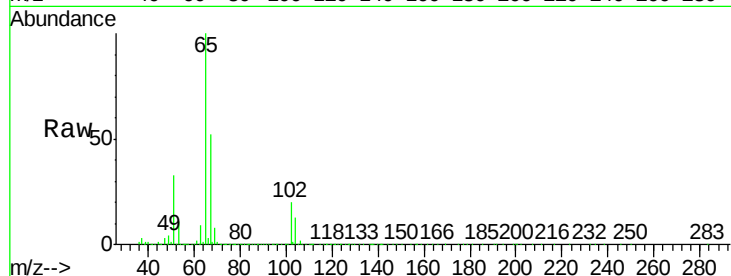
#33
 1,2-Dichloroethane-d4
 Concen: 48.520 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142267		
67	52.4	0.0	107.6	

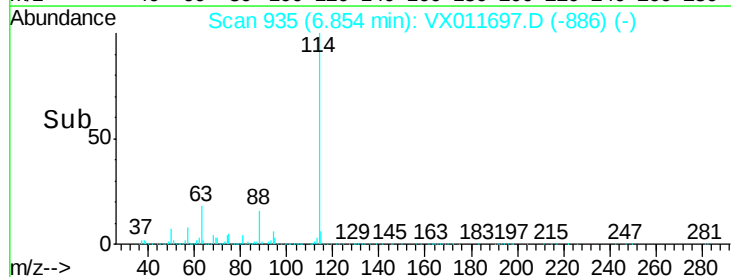
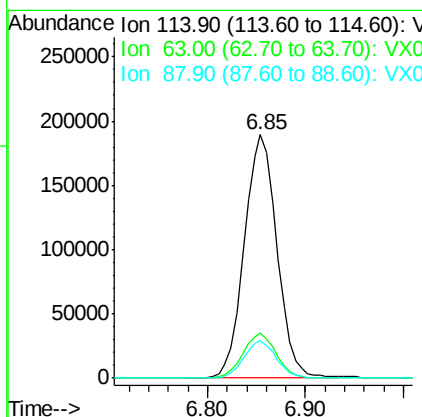
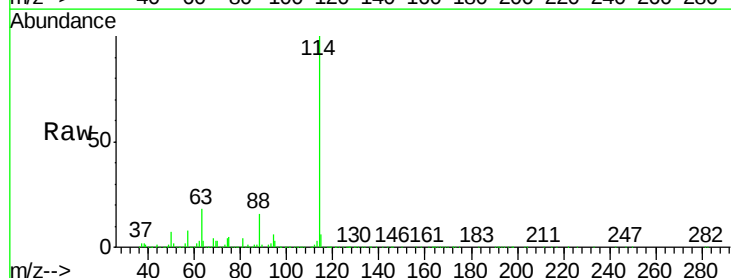
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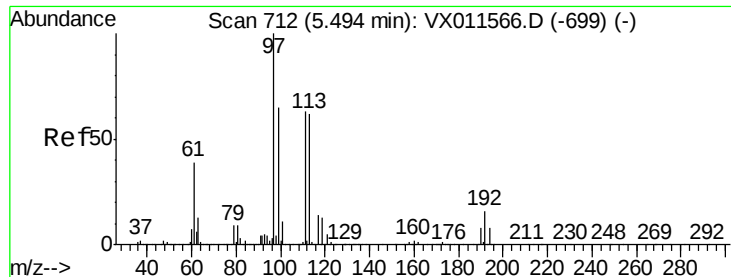
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	439156		
63	18.3	0.0	37.8	
88	15.5	0.0	30.2	





#35

Dibromofluoromethane

Concen: 45.886 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

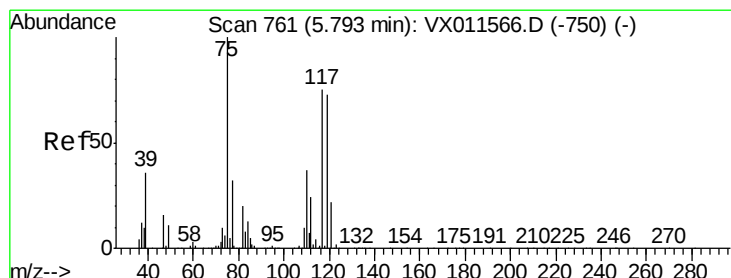
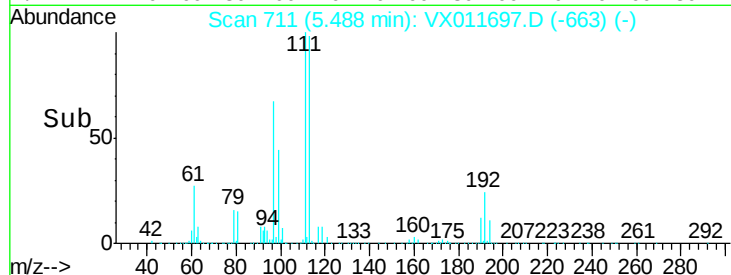
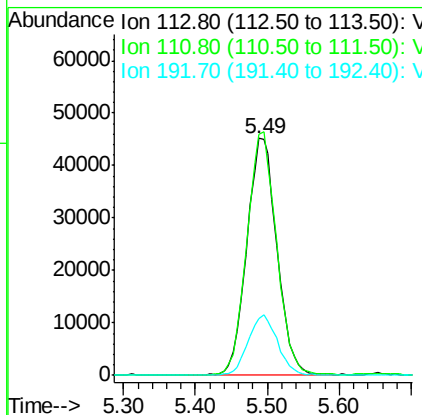
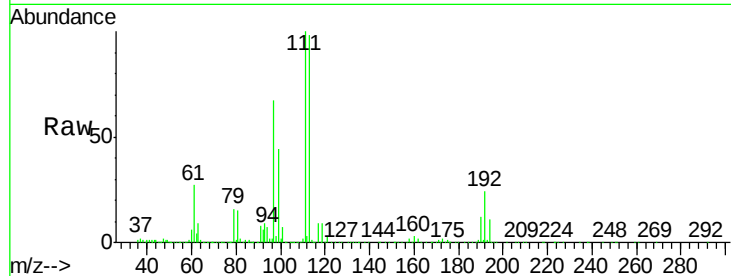
ClientSampleId :

VX0820WBS02

Tot Ion:	113	Resp:	131801
Ion Ratio	Lower	Upper	
113	100		
111	100.3	81.1	121.7
192	25.0	20.8	31.2

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#36

1,1-Dichloropropene

Concen: 19.892 ug/l

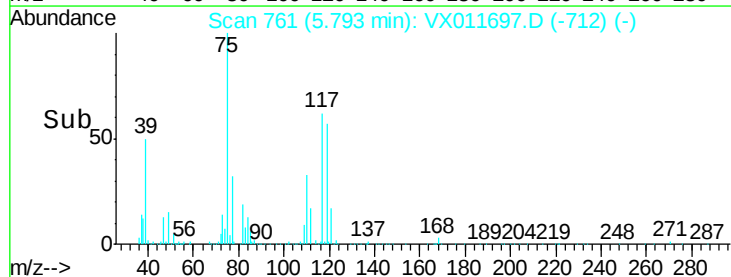
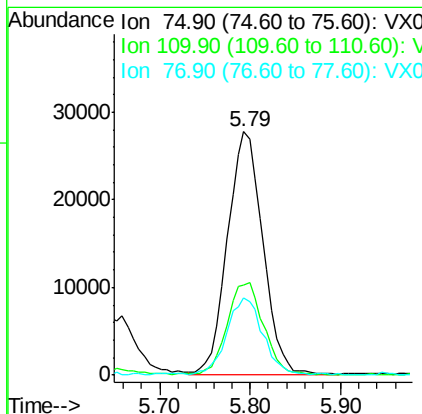
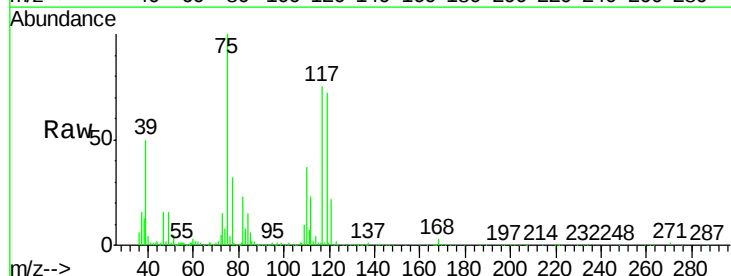
RT: 5.79 min Scan# 761

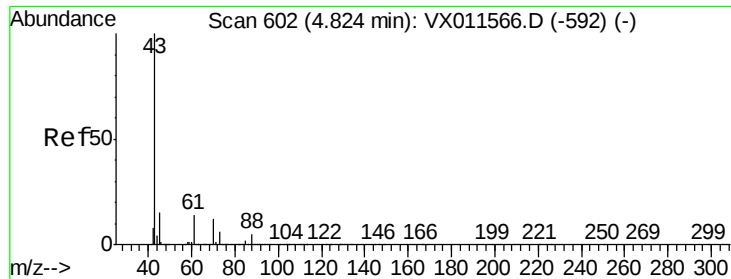
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	75	Resp:	74688
Ion Ratio	Lower	Upper	
75	100		
110	39.9	19.4	58.1
77	31.6	25.1	37.7





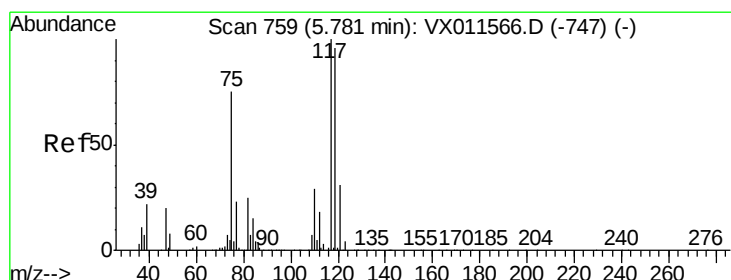
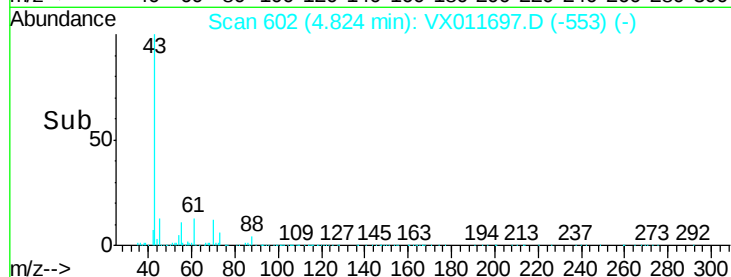
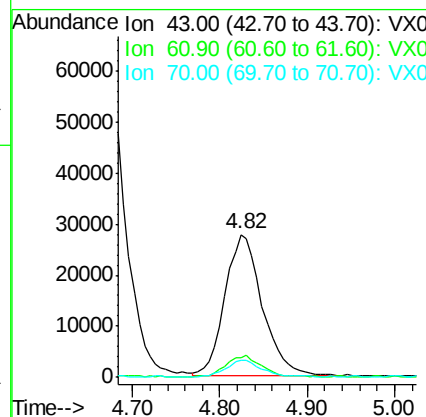
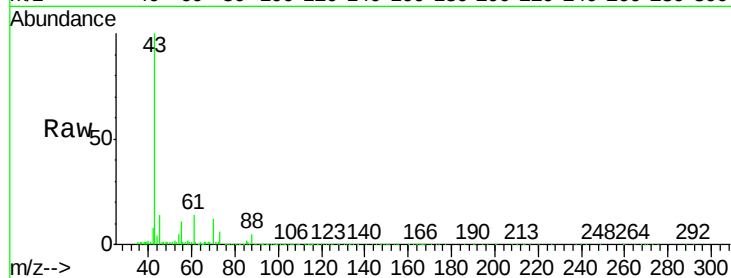
#37
Ethyl Acetate
Concen: 18.913 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.4	17.0
70	11.7	9.0	13.6

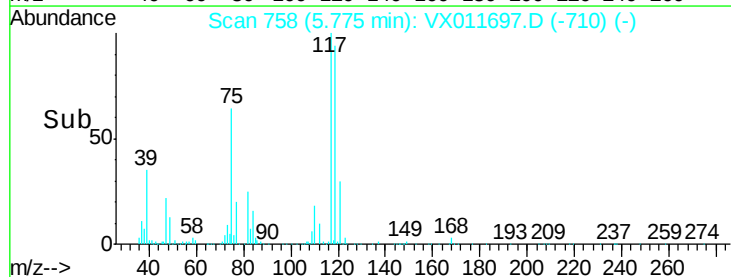
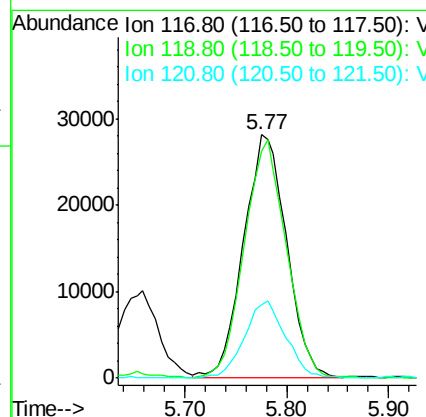
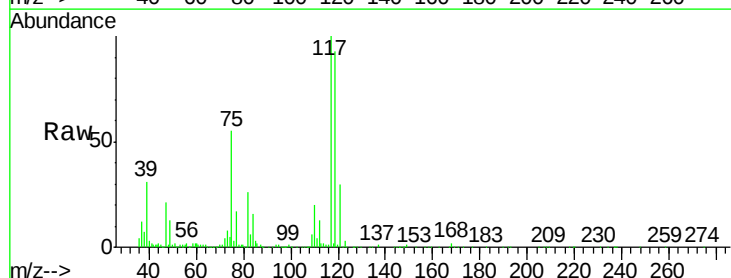
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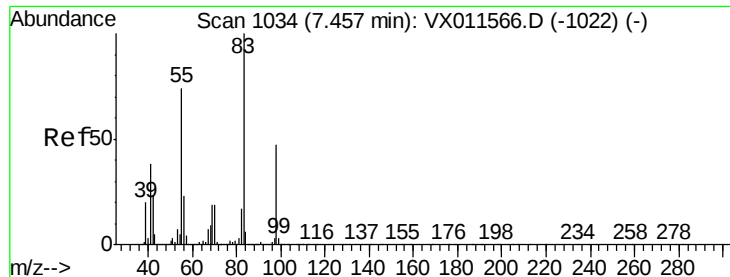
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#38
Carbon Tetrachloride
Concen: 19.824 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.9	115.3
121	30.1	24.8	37.2





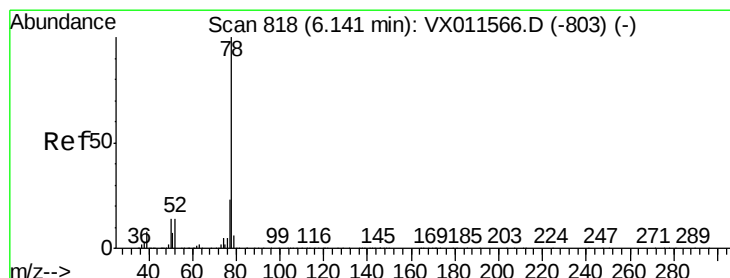
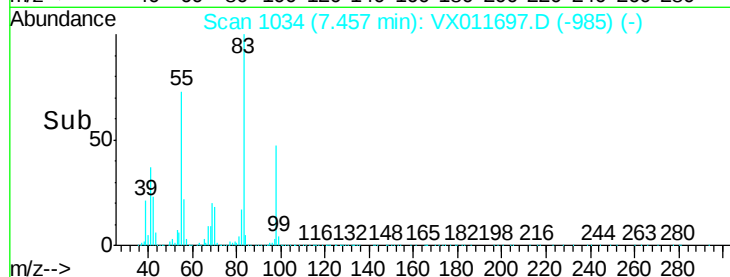
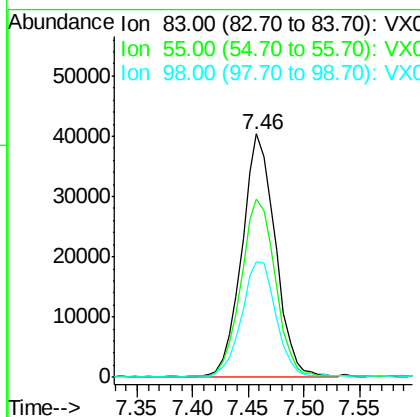
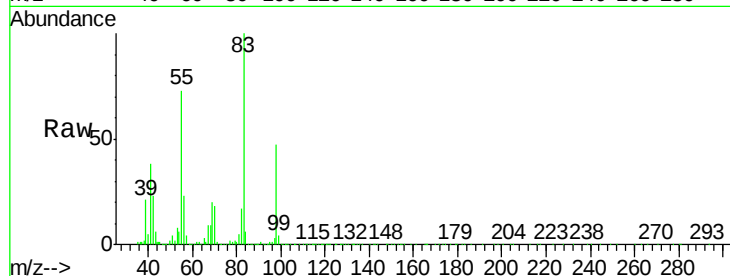
#39
Methvlcvclohexane
Concen: 18.276 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	58.8	88.2
98	47.1	37.8	56.6

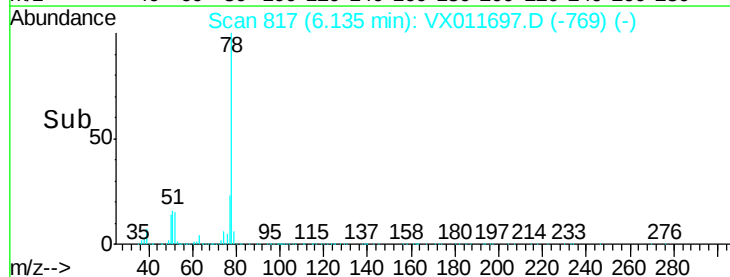
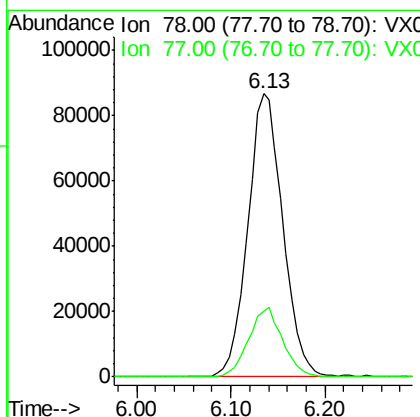
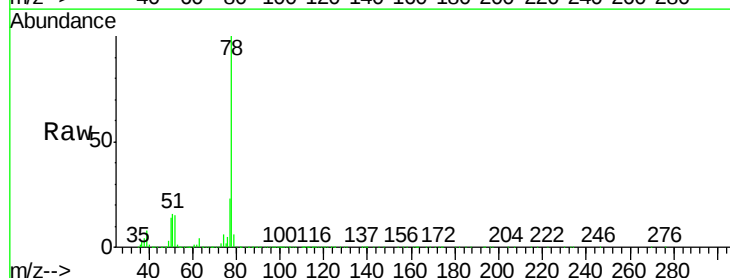
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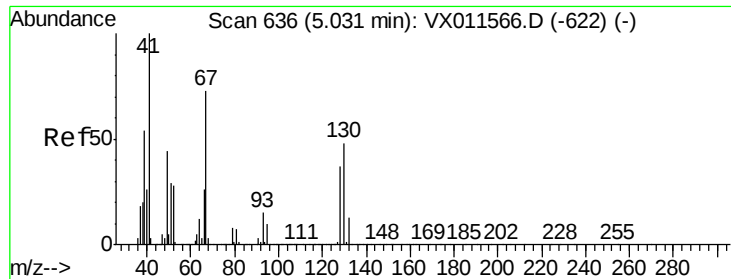
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#40
Benzene
Concen: 19.327 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





#41

Methacrylonitrile

Concen: 19.980 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

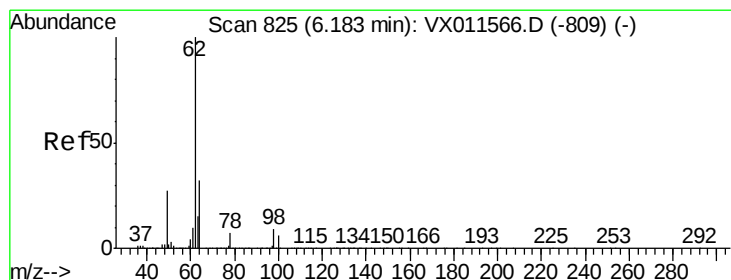
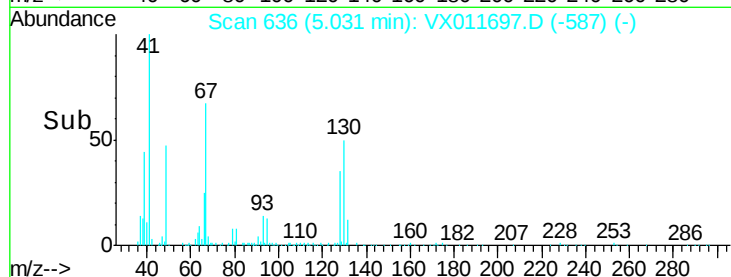
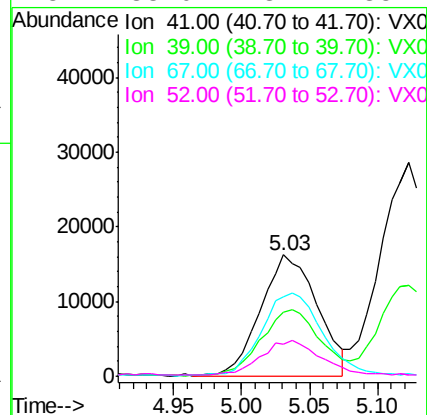
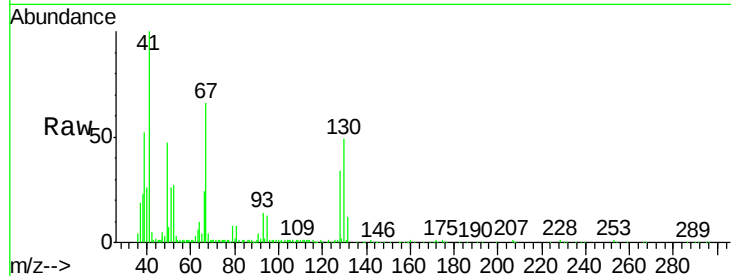
ClientSampleId :

VX0820WBS02

Tot Ion:	41	Resp:	47489
Ion	Ratio	Lower	Upper
41	100		
39	58.2	43.5	65.3
67	72.5	59.4	89.2
52	33.0	23.4	35.2

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#42

1,2-Dichloroethane

Concen: 21.103 ug/l

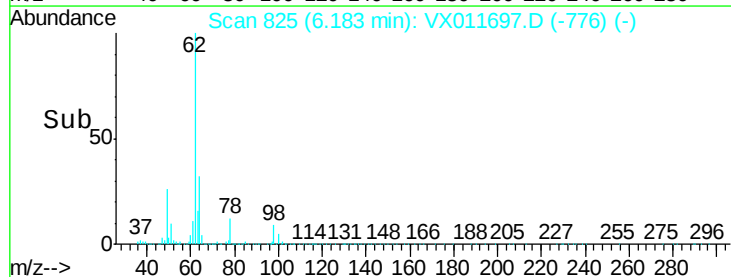
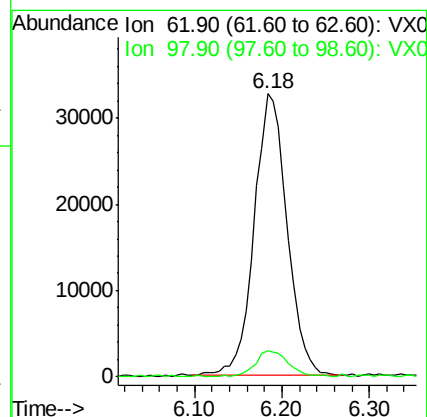
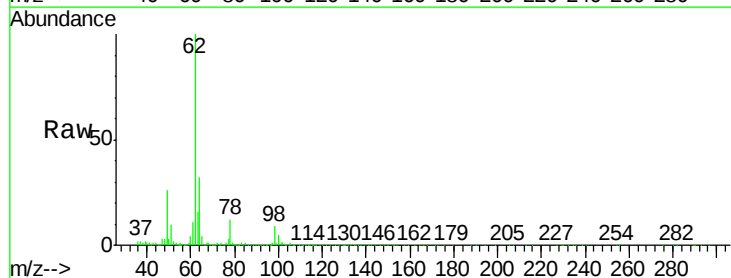
RT: 6.18 min Scan# 825

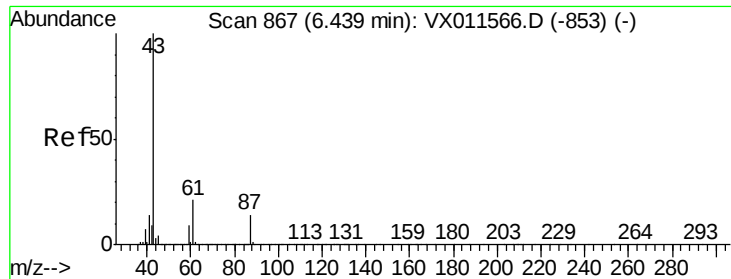
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	62	Resp:	85311
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





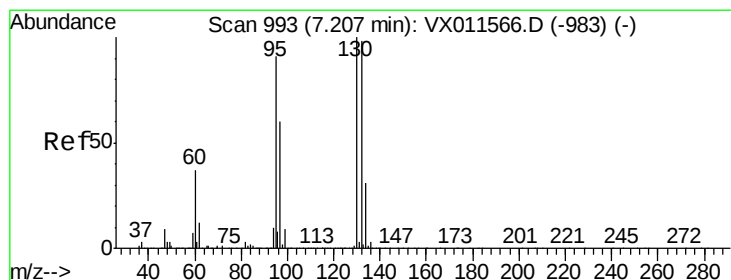
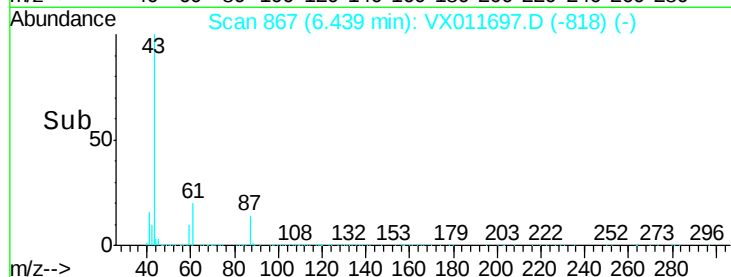
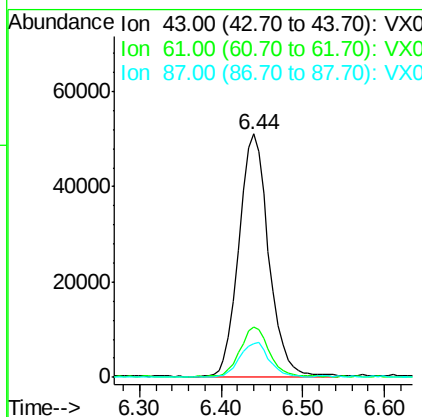
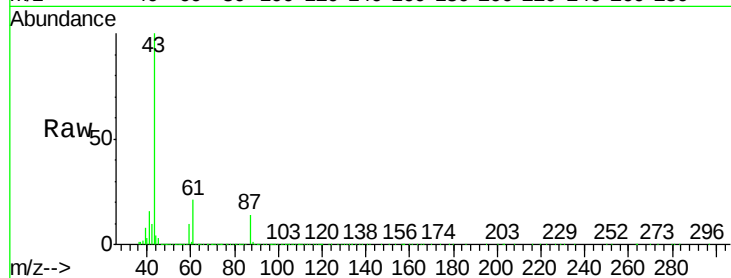
#43
Isopropyl Acetate
Concen: 19.072 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	14.3	11.4	17.2

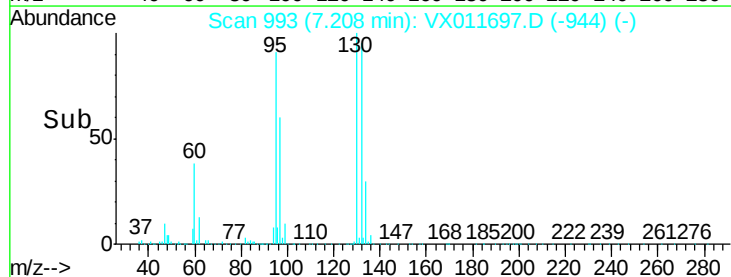
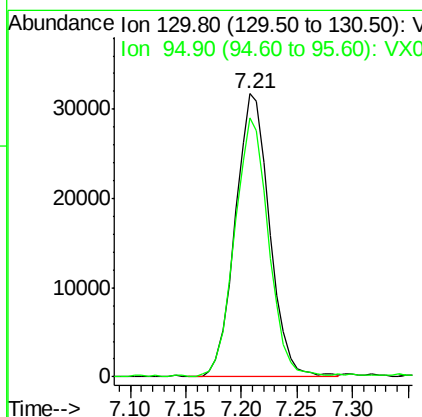
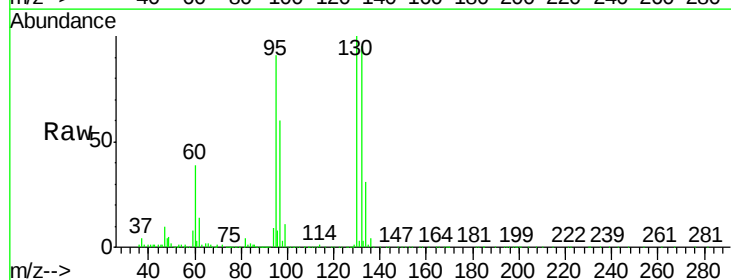
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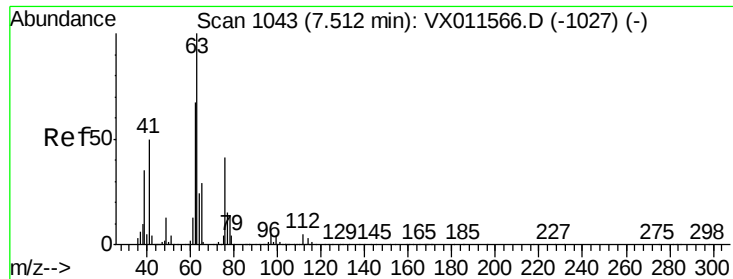
MMDadoda
8/21/2019 9:36:22 AM



#44
Trichloroethene
Concen: 19.578 ug/l
RT: 7.21 min Scan# 993
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	181.4





#45

1,2-Dichloropropane

Concen: 19.782 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 63 Resp: 57564

Ion Ratio Lower Upper

63 100

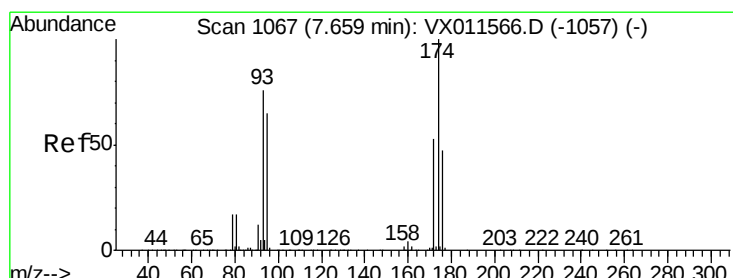
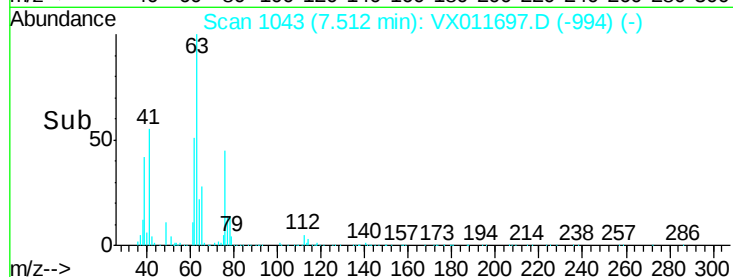
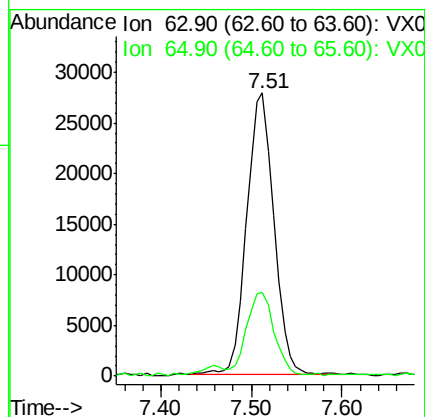
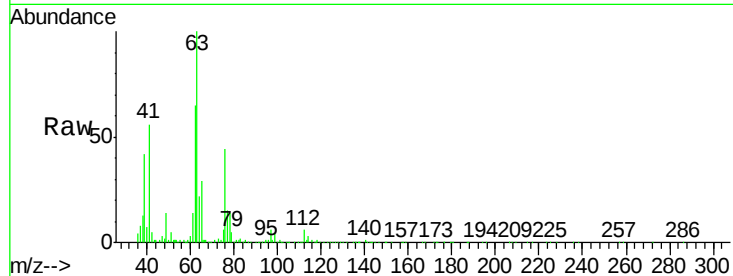
65 29.2 23.4 35.2

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#46

Dibromomethane

Concen: 18.596 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

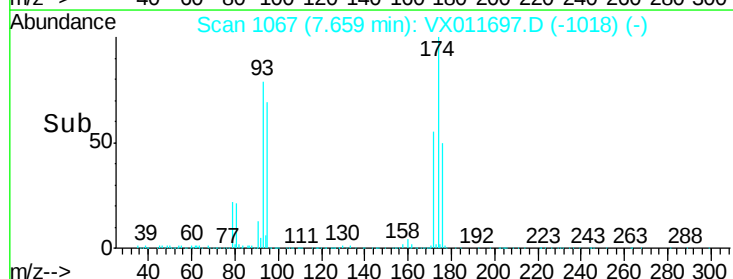
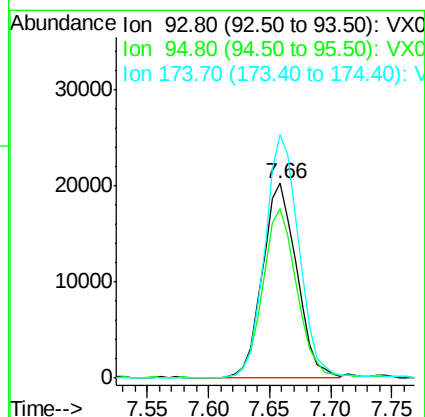
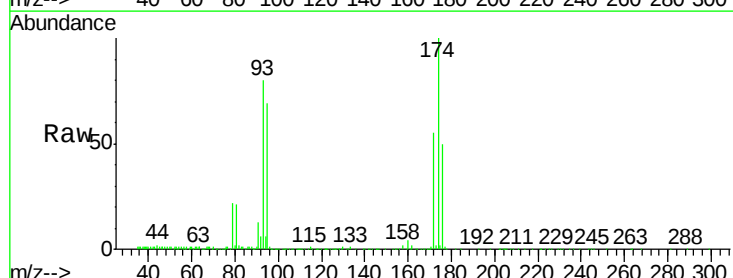
Tgt Ion: 93 Resp: 39323

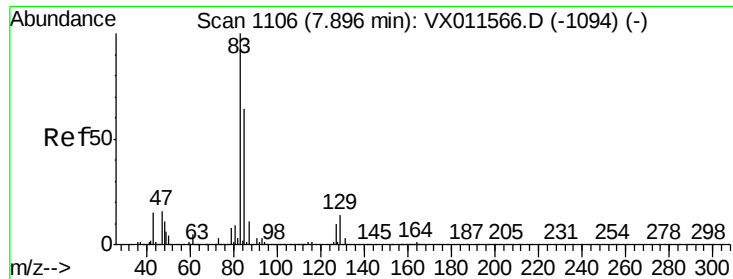
Ion Ratio Lower Upper

93 100

95 87.5 67.2 100.8

174 124.9 105.5 158.3





#47

Bromodichloromethane

Concen: 19.444 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

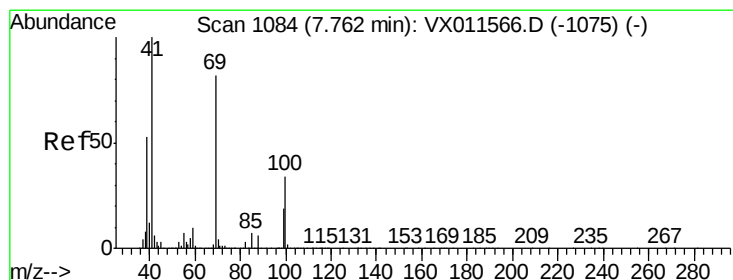
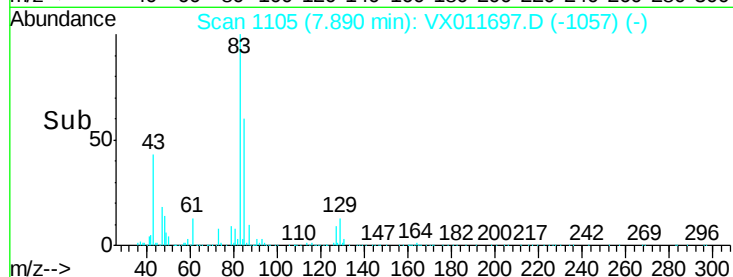
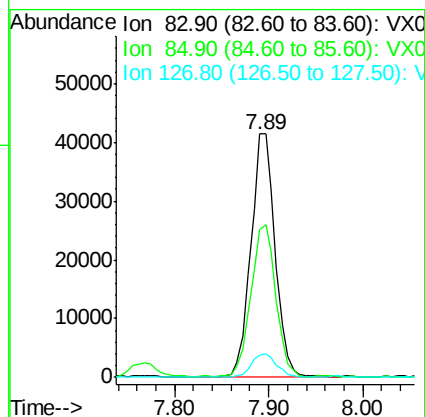
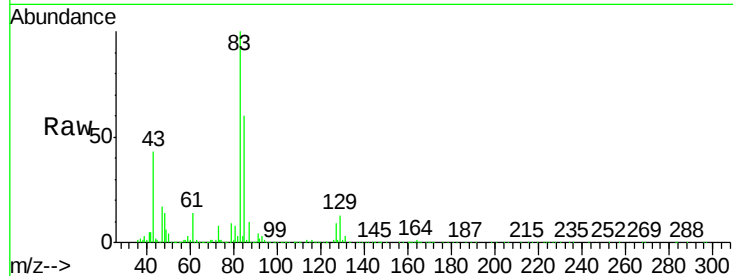
ClientSampleId :

VX0820WBS02

Tot Ion:	83	Resp:	75495
Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.2	76.8
127	9.1	8.1	12.1

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#48

Methyl methacrylate

Concen: 19.752 ug/l

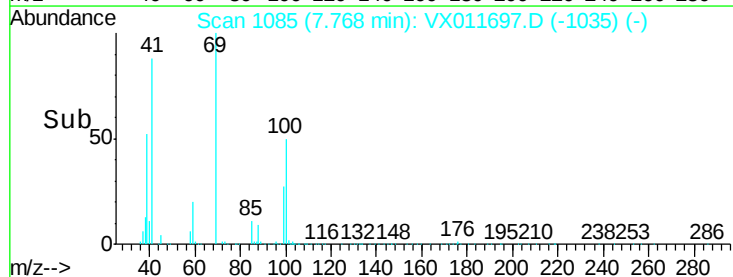
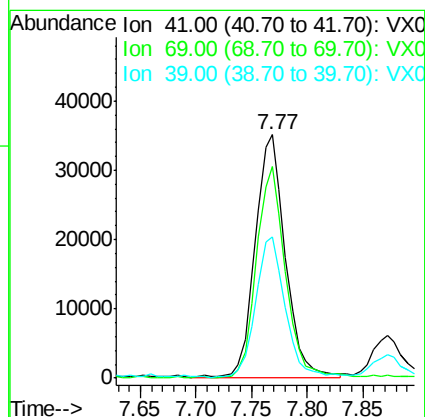
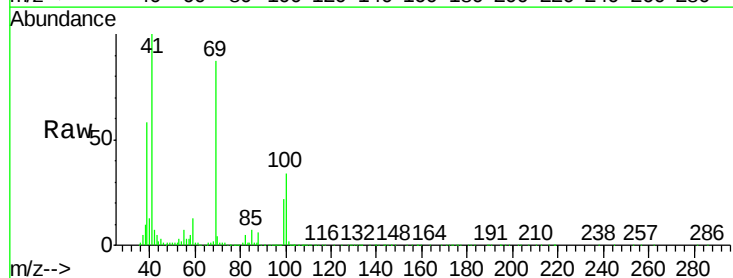
RT: 7.77 min Scan# 1085

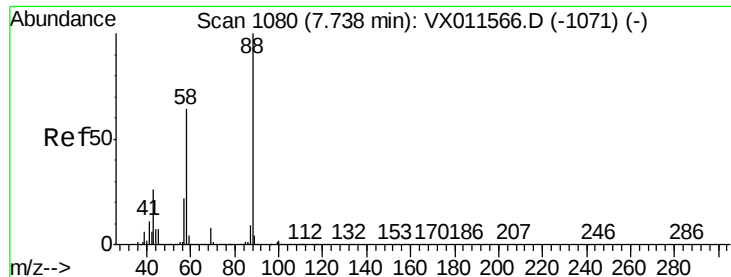
Delta R.T. 0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	41	Resp:	65924
Ion	Ratio	Lower	Upper
41	100		
69	82.8	67.9	101.9
39	58.5	41.6	62.4





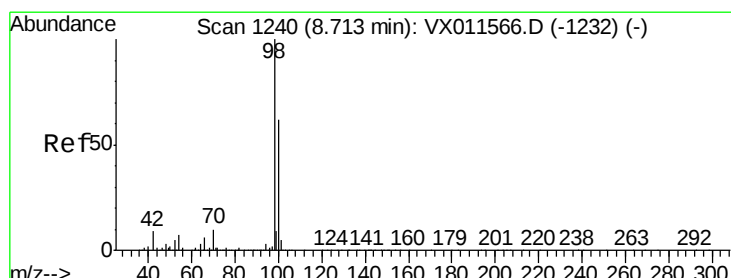
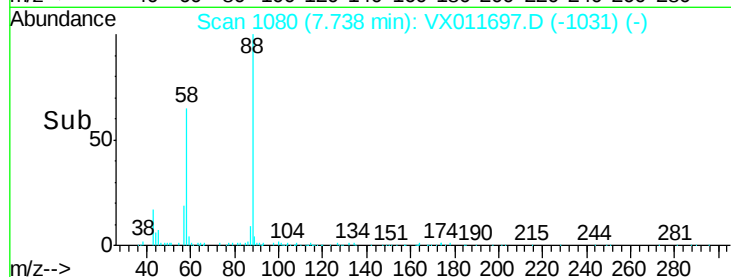
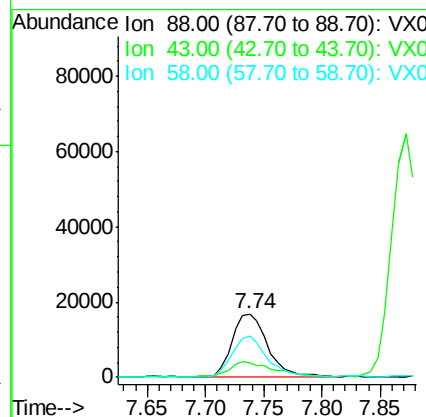
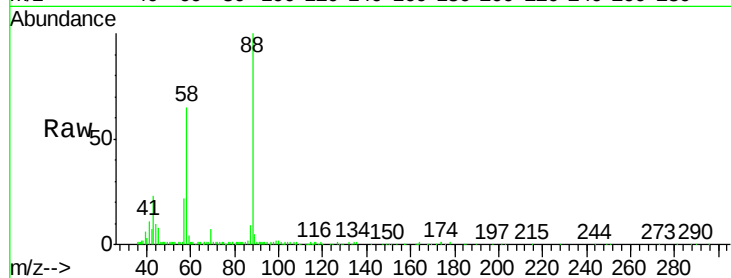
#49
1,4-Dioxane
Concen: 399.659 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.4	35.0
58	65.8	54.3	81.5

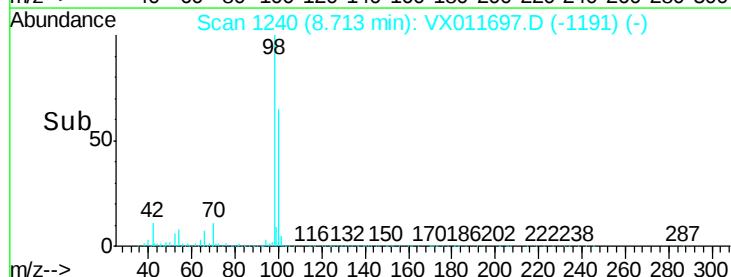
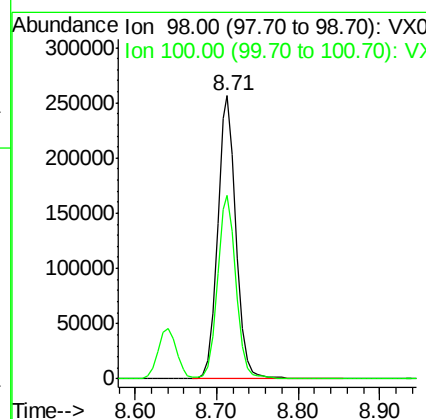
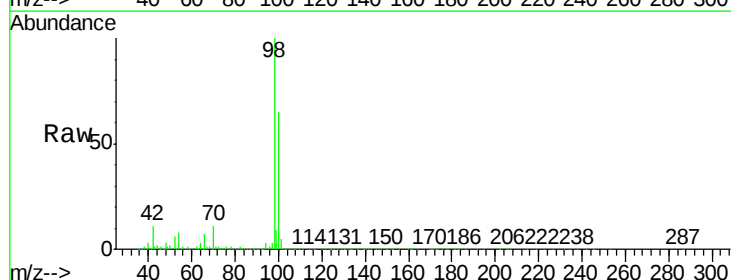
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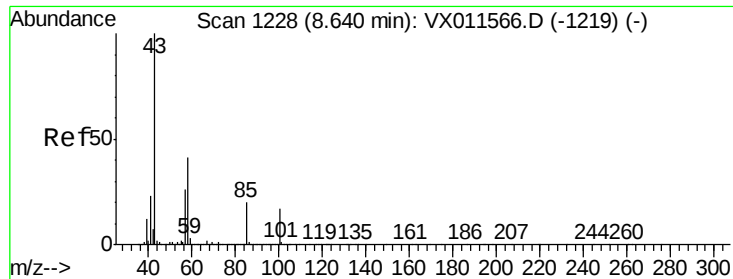
MMDadoda
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#50
Toluene-d8
Concen: 45.377 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





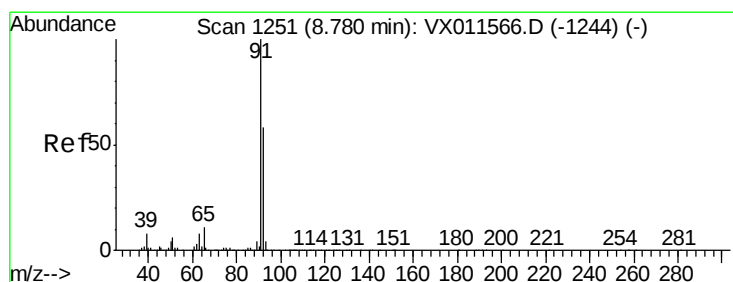
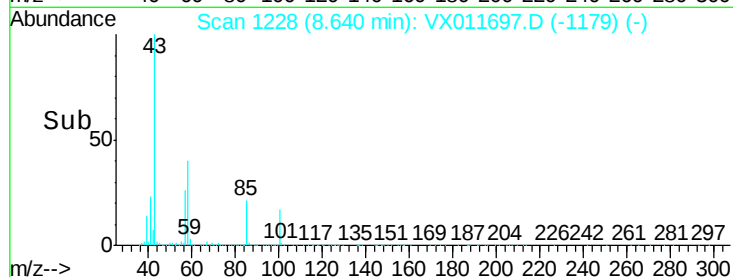
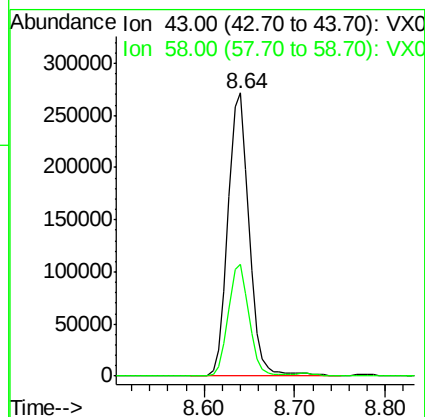
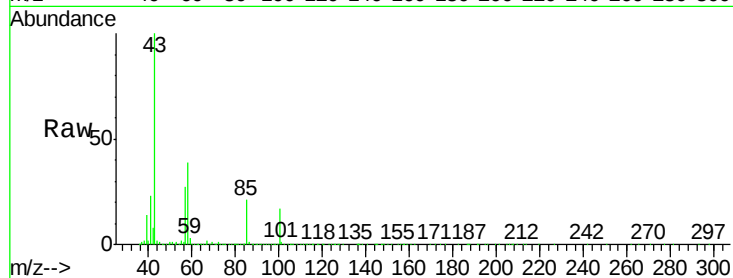
#51
4-Methyl-2-Pentanone
Concen: 99.974 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	43	Resp	441032
Ion	Ratio	Lower	Upper
43	100		
58	38.7	31.8	47.6

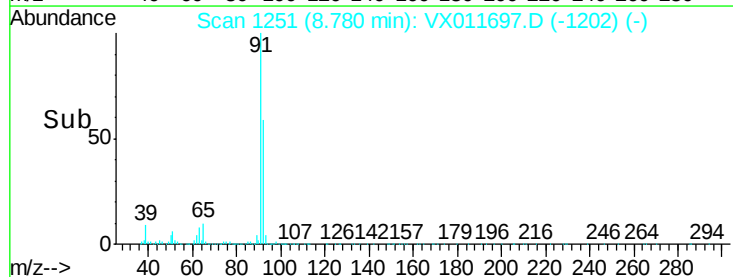
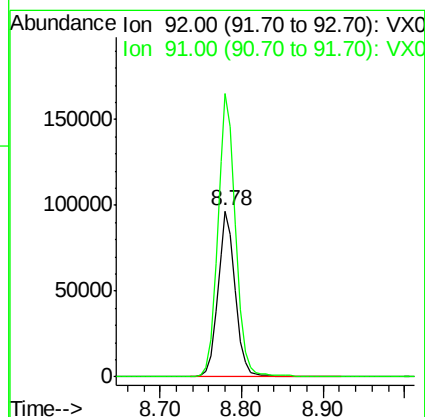
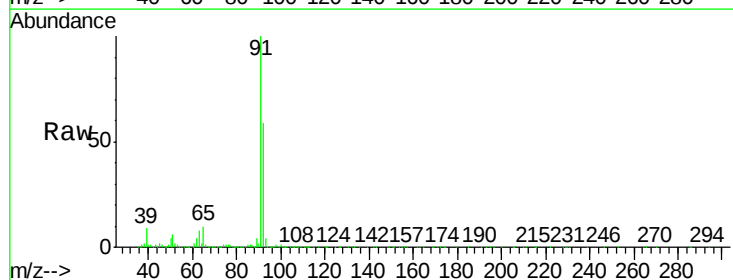
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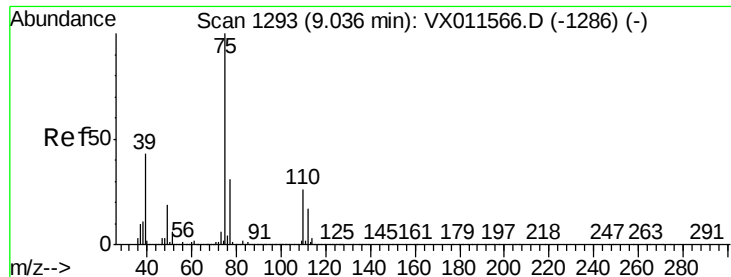
MMDadoda
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#52
Toluene
Concen: 19.452 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	92	Resp	144598
Ion	Ratio	Lower	Upper
92	100		
91	175.2	138.0	207.0





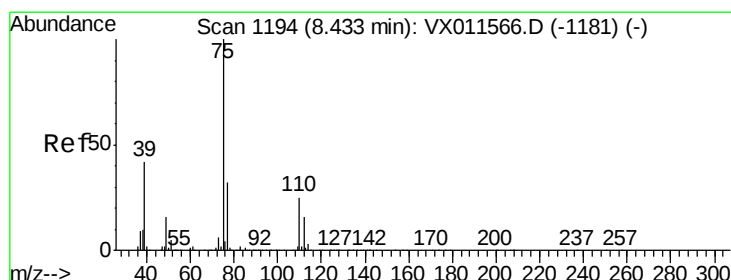
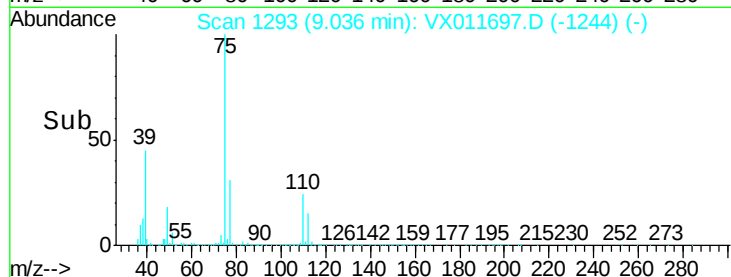
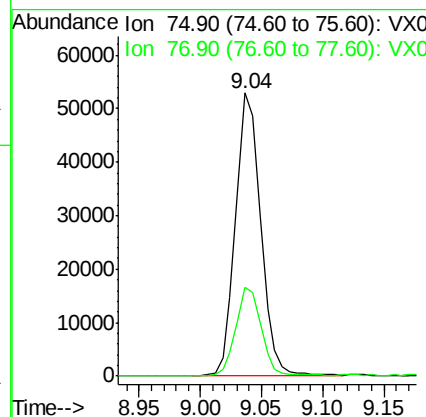
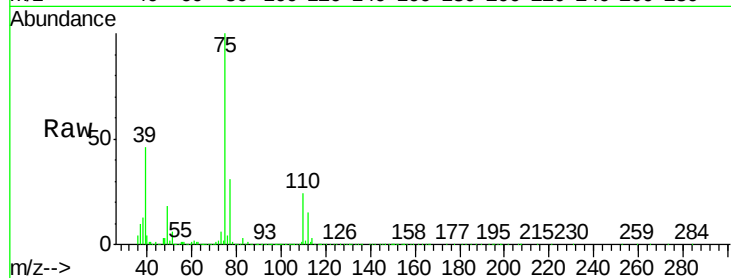
#53
t-1,3-Dichloropropene
Concen: 18.795 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7

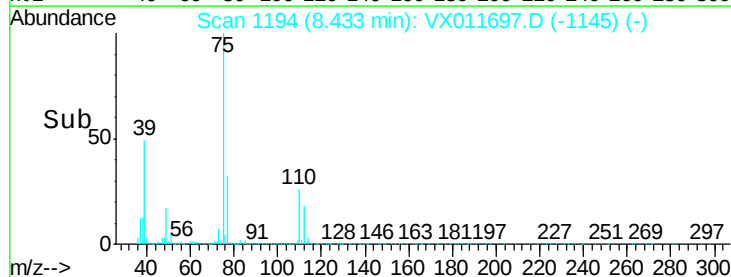
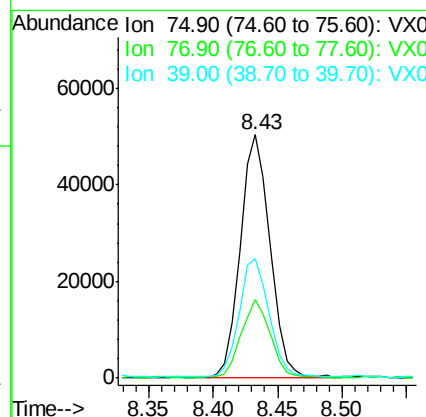
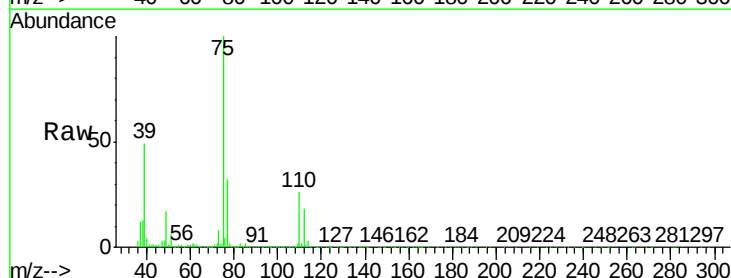
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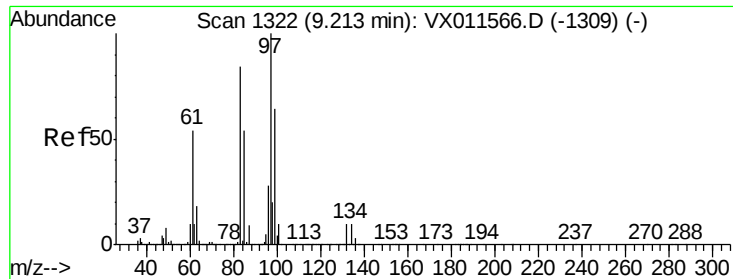
MMDadoda
8/21/2019 9:36:22 AM



#54
cis-1,3-Dichloropropene
Concen: 18.248 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3
39	48.7	33.6	50.4





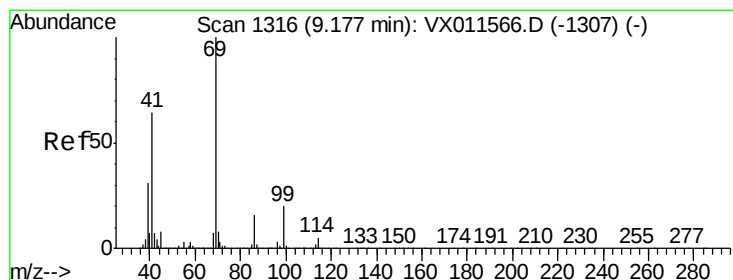
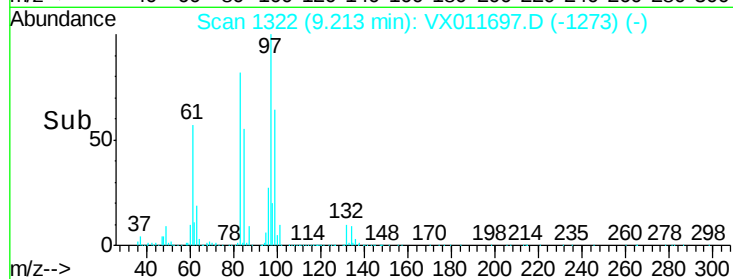
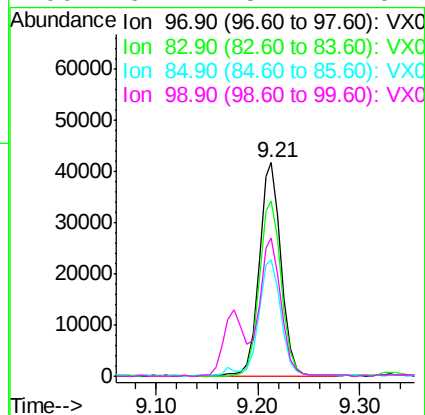
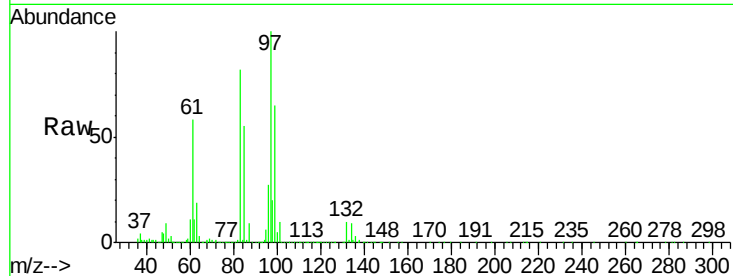
#55
 1,1,2-Trichloroethane
 Concen: 19.666 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		62167		
83	82.0	67.4	101.0		
85	54.6	43.4	65.2		
99	64.4	51.1	76.7		

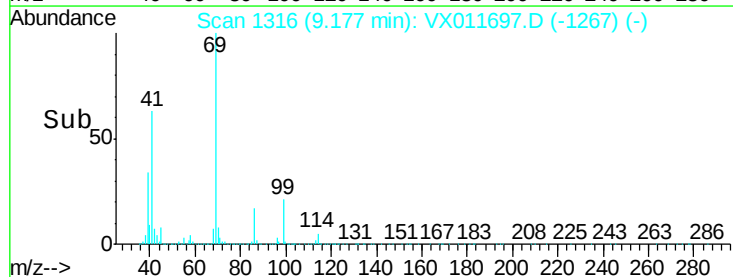
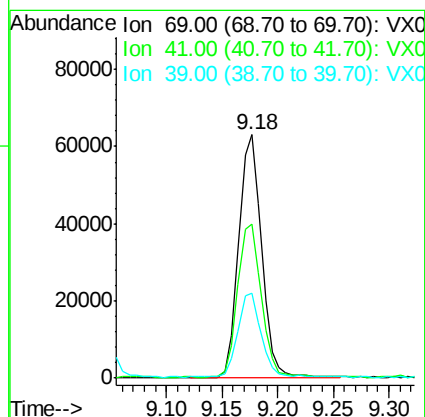
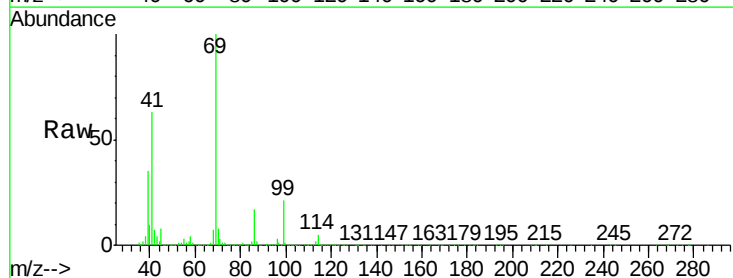
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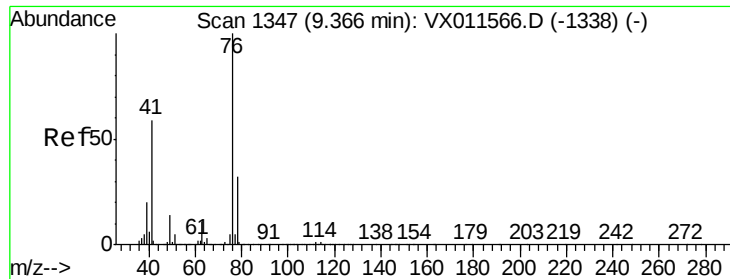
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#56
 Ethyl methacrylate
 Concen: 19.637 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		90224		
41	65.5	52.1	78.1		
39	34.6	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 19.918 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 76 Resp: 100087

Ion Ratio Lower Upper

76 100

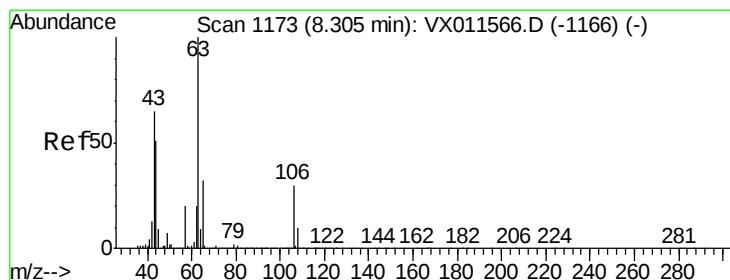
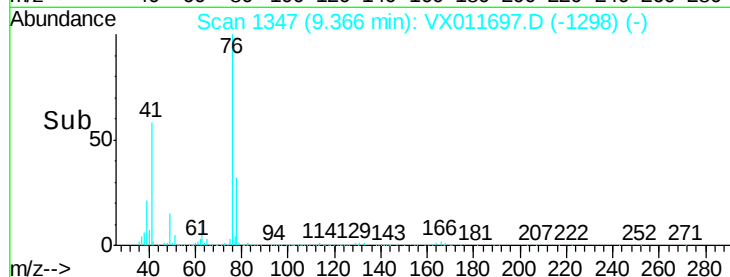
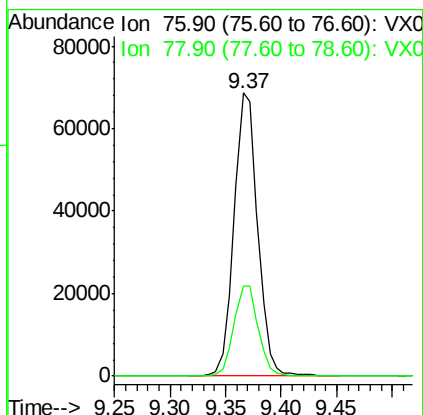
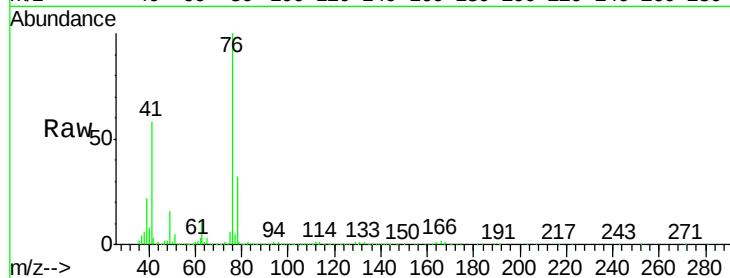
78 33.1 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 93.697 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011697.D

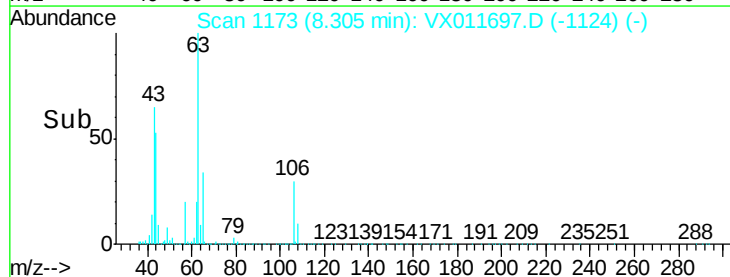
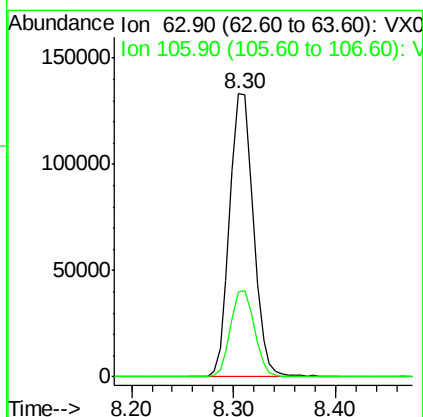
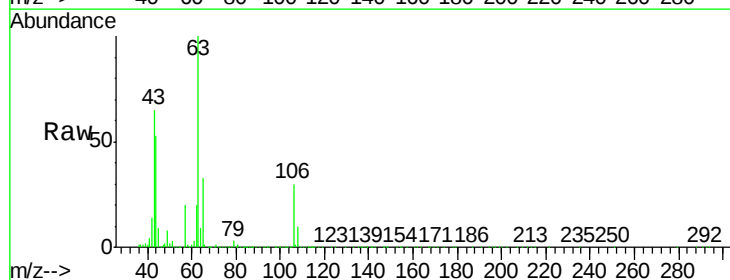
Acq: 20 Aug 2019 20:53

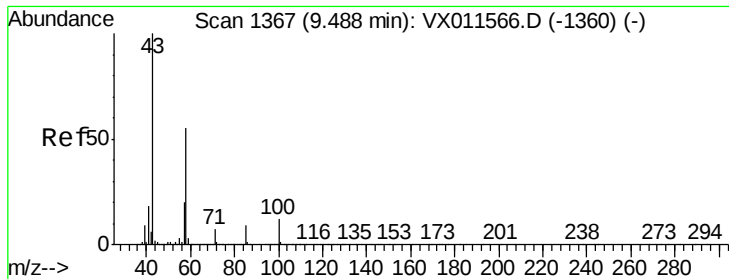
Tgt Ion: 63 Resp: 214499

Ion Ratio Lower Upper

63 100

106 31.1 24.7 37.1





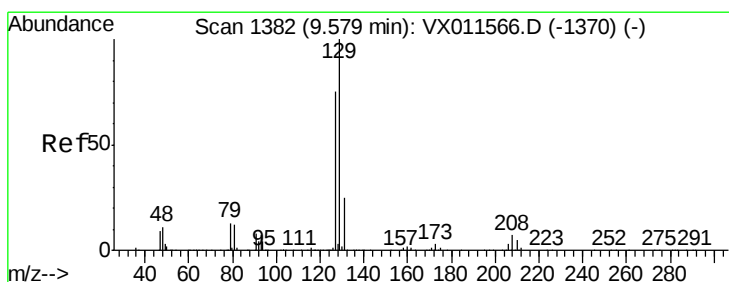
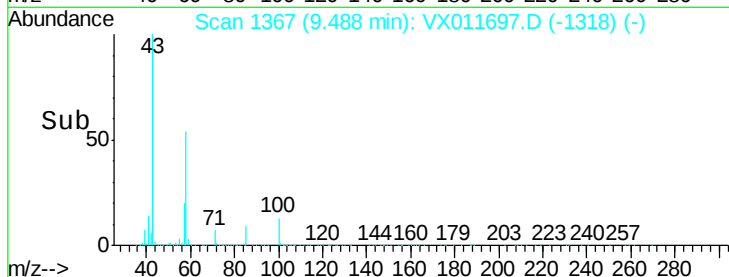
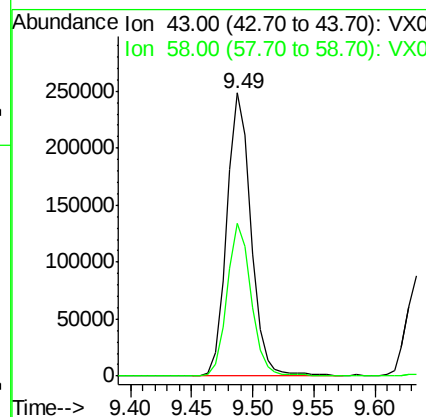
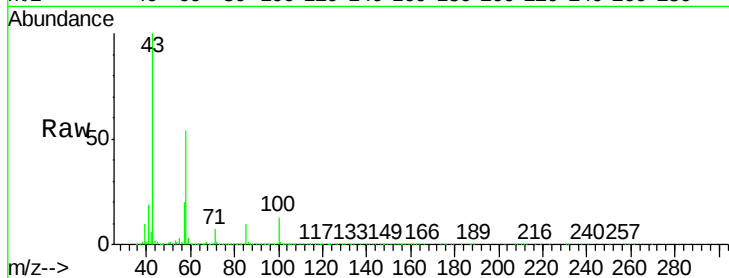
#59
2-Hexanone
Concen: 100.450 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion: 43 Resp: 341723
Ion Ratio Lower Upper
43 100
58 53.8 27.5 82.4

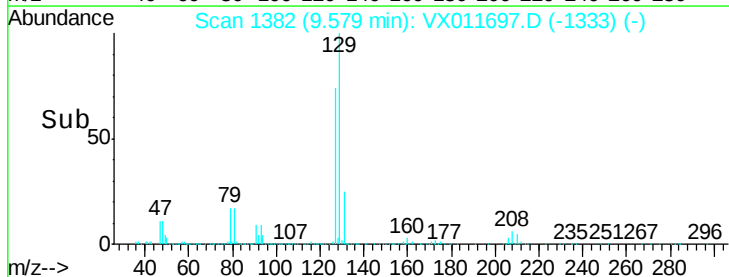
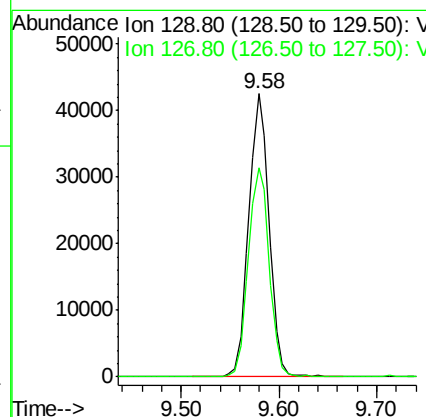
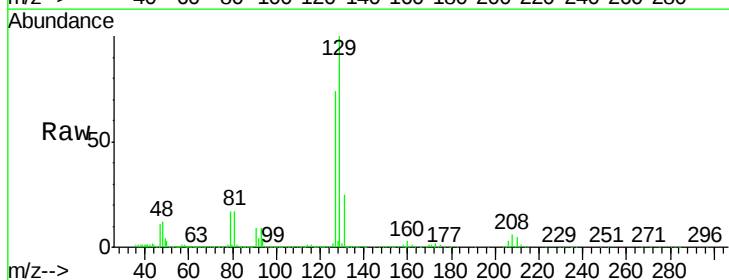
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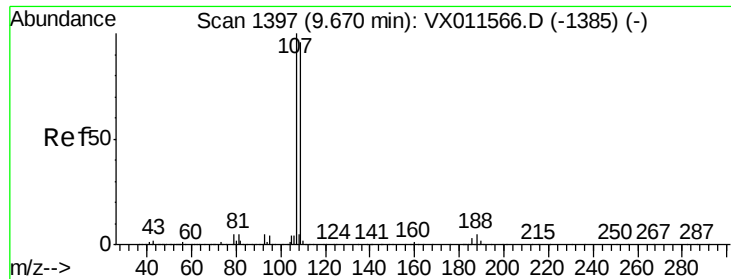
MMDadoda
8/21/2019 9:36:22 AM



#60
Dibromochloromethane
Concen: 18.702 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion: 129 Resp: 61597
Ion Ratio Lower Upper
129 100
127 75.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.735 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion:107 Resp: 66580

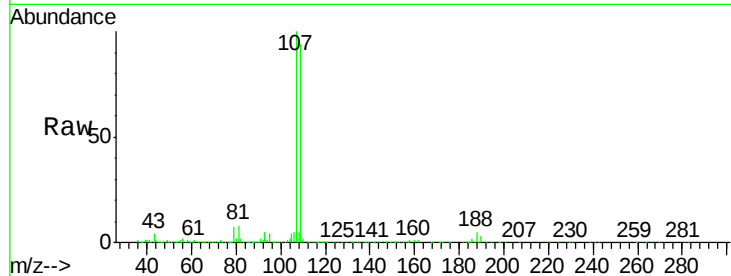
Ion Ratio Lower Upper

107 100

109 95.3 76.2 114.2

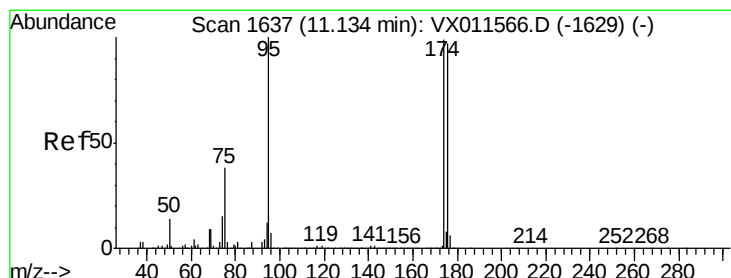
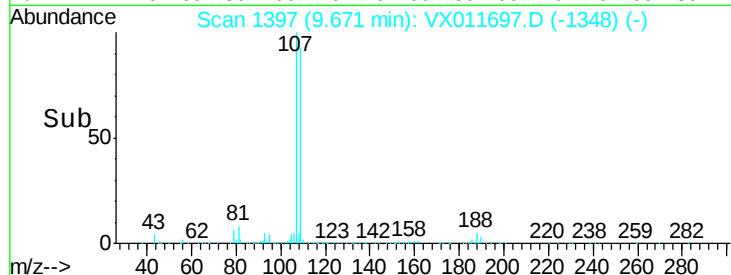
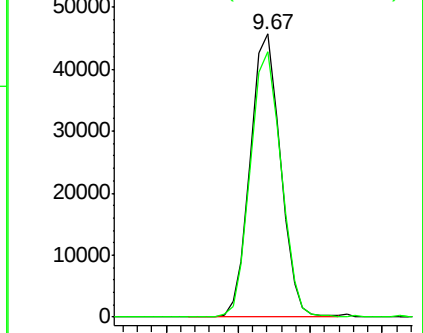
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.790 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

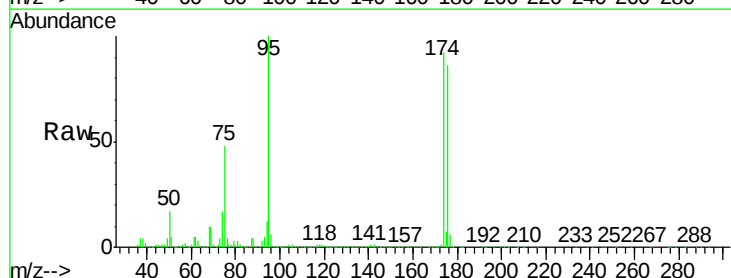
Tgt Ion: 95 Resp: 161643

Ion Ratio Lower Upper

95 100

174 92.9 0.0 200.6

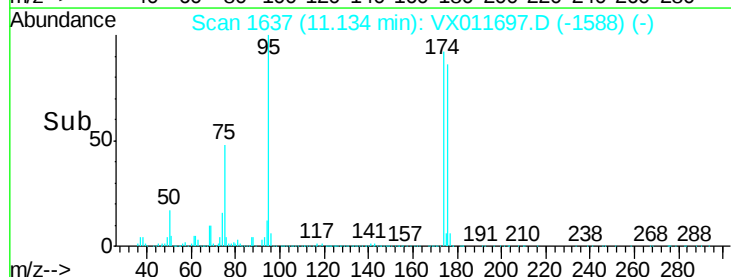
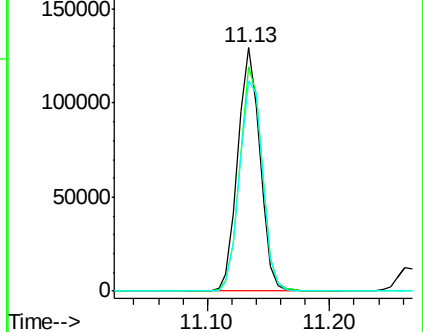
176 90.7 0.0 196.6

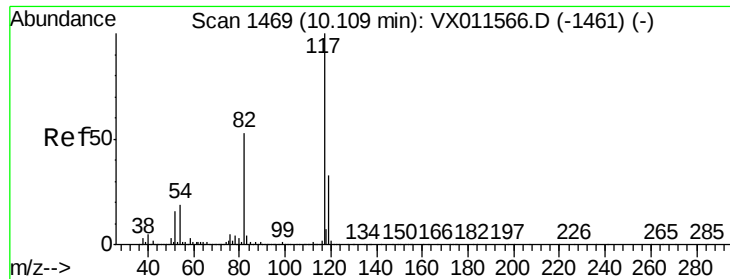


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





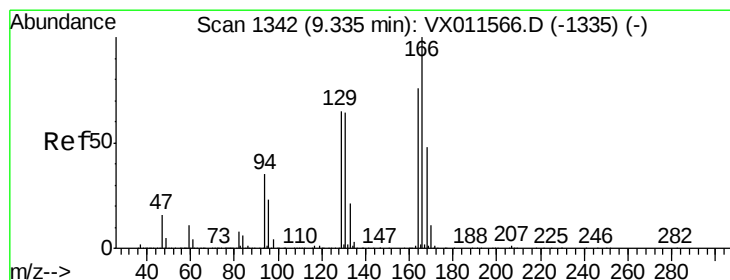
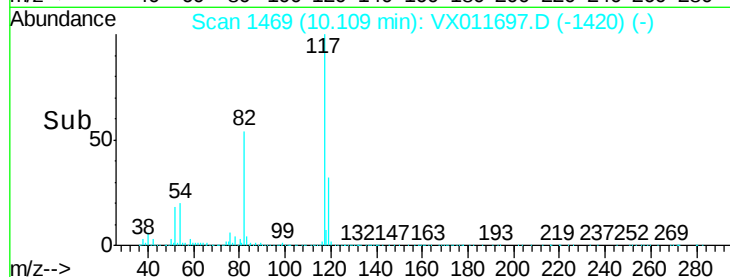
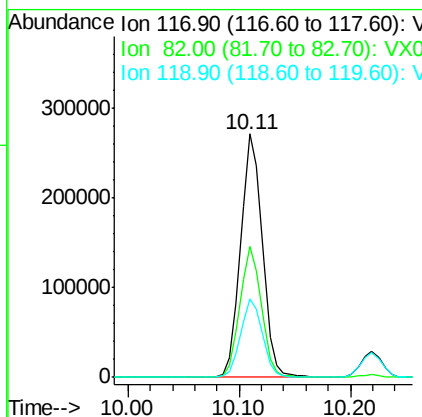
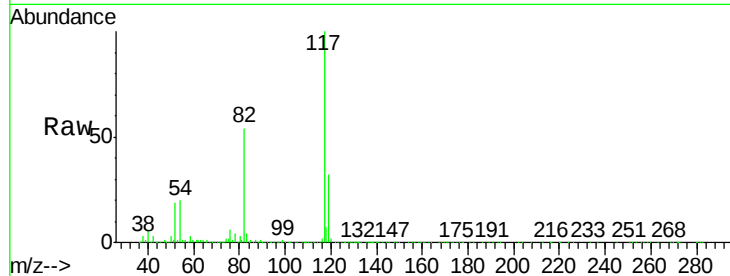
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	366919		
82	53.6	42.0	63.0	
119	32.3	26.5	39.7	

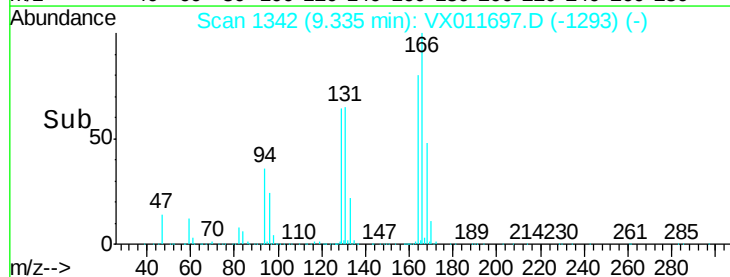
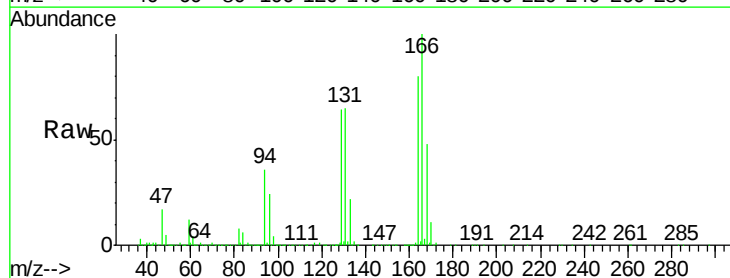
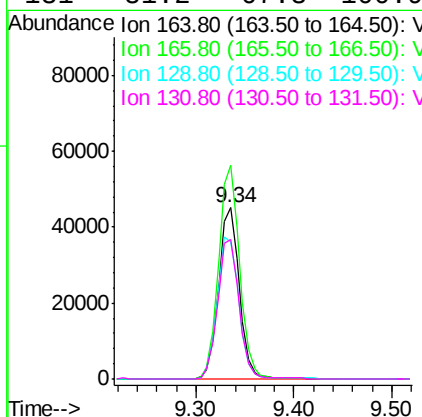
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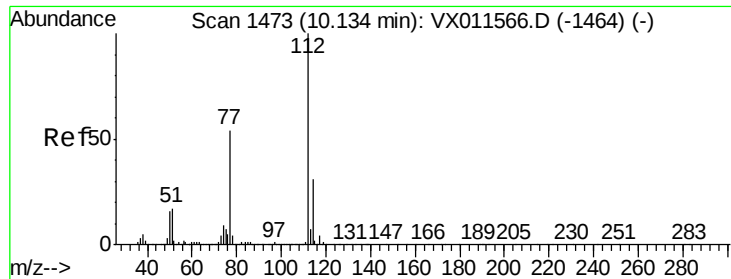
MMDadoda
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#64
Tetrachloroethene
Concen: 22.233 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	66931		
166	124.6	104.7	157.1	
129	79.5	68.2	102.4	
131	81.2	67.3	100.9	





#65

Chlorobenzene

Concen: 19.865 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion:112 Resp: 155461

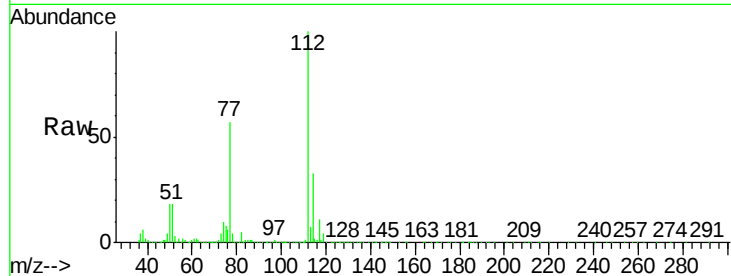
Ion Ratio Lower Upper

112 100

114 32.8 25.0 37.6

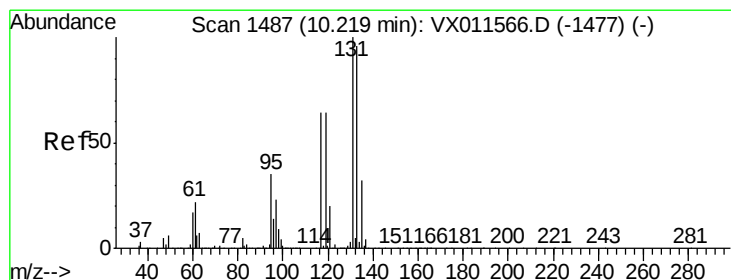
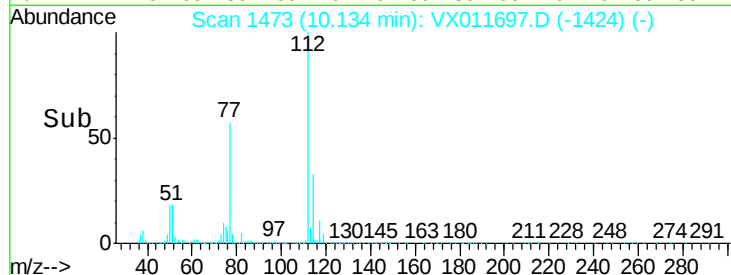
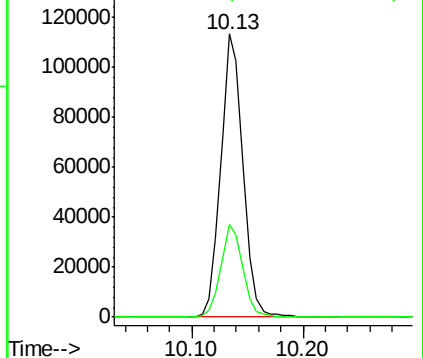
Manual Integrations
APPROVED

MMDadoda
8/21/2019 9:36:22 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.037 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

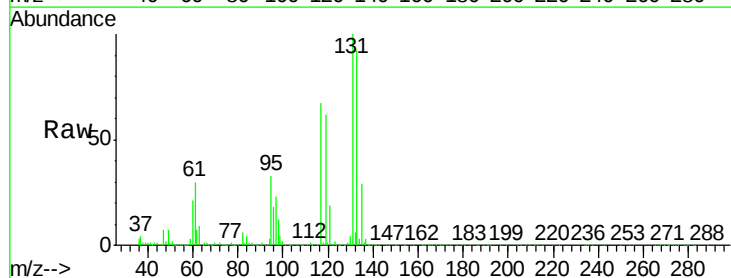
Tgt Ion:131 Resp: 58611

Ion Ratio Lower Upper

131 100

133 93.1 48.1 144.4

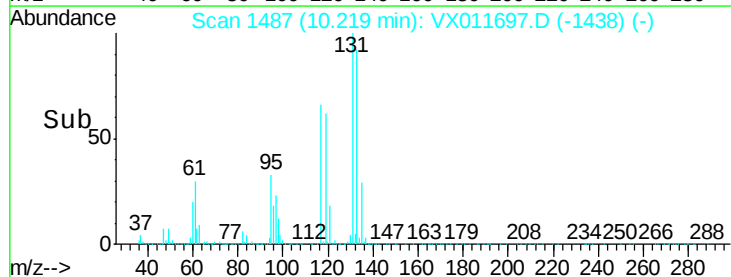
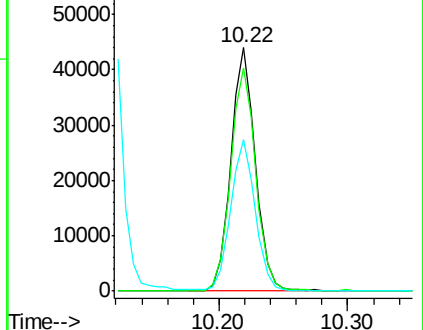
119 61.2 31.3 93.8

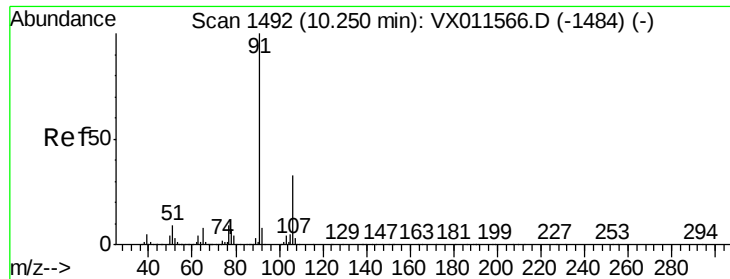


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





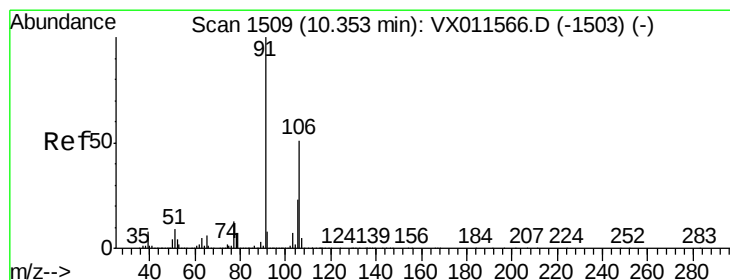
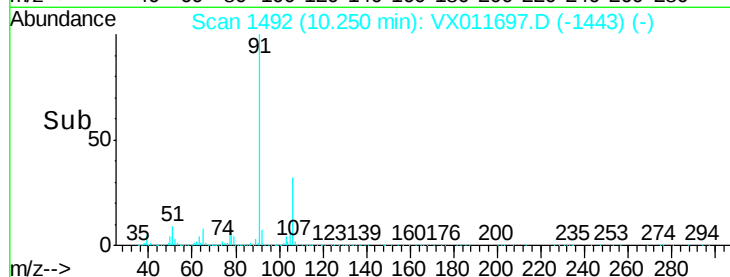
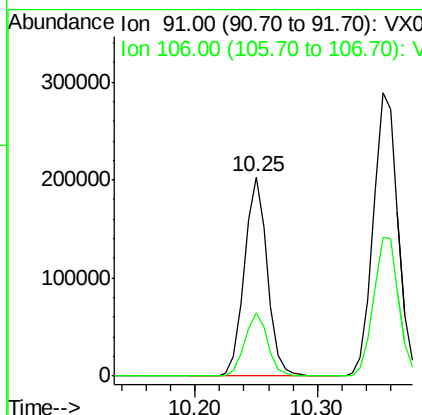
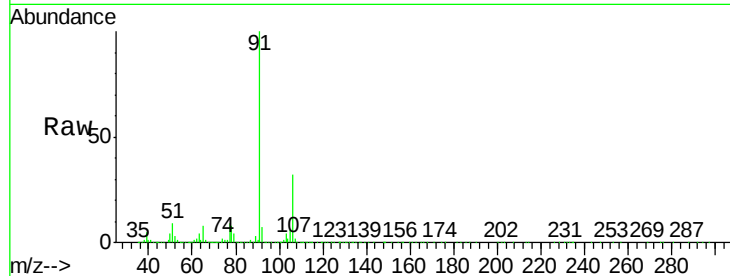
#67
Ethyl Benzene
Concen: 20.140 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion: 91 Resp: 263048
Ion Ratio Lower Upper
91 100
106 31.6 26.0 39.0

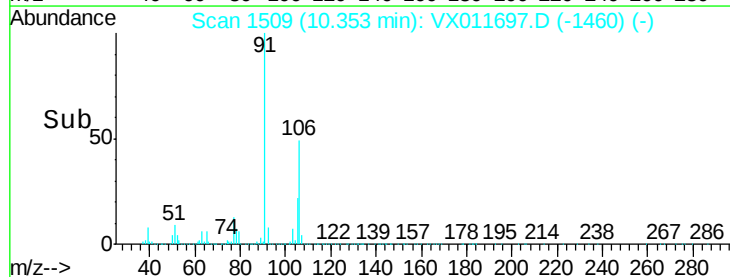
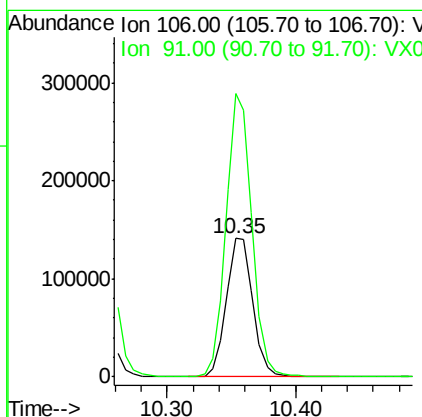
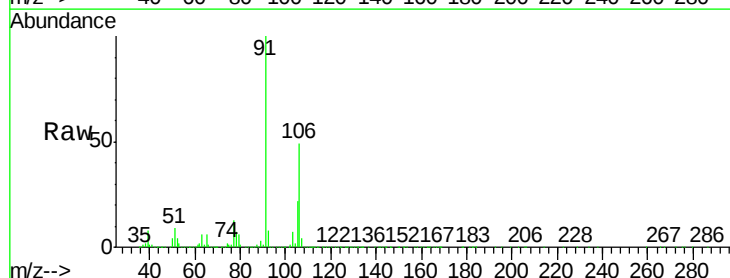
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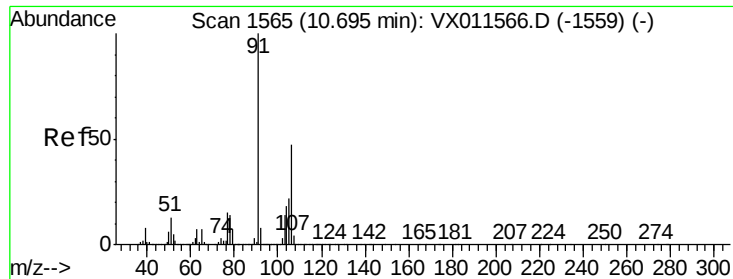
MMDadoda
8/21/2019 9:36:22 AM



#68
m/p-Xylenes
Concen: 40.514 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion: 106 Resp: 203117
Ion Ratio Lower Upper
106 100
91 199.7 156.0 234.0





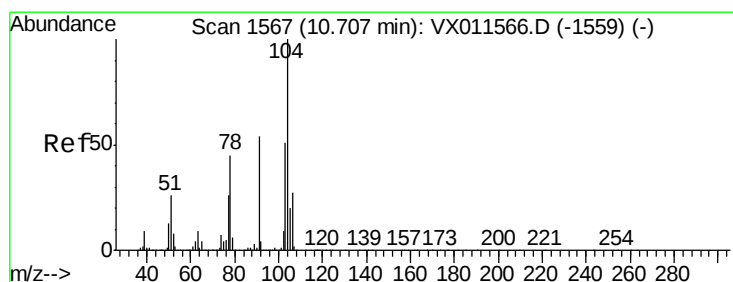
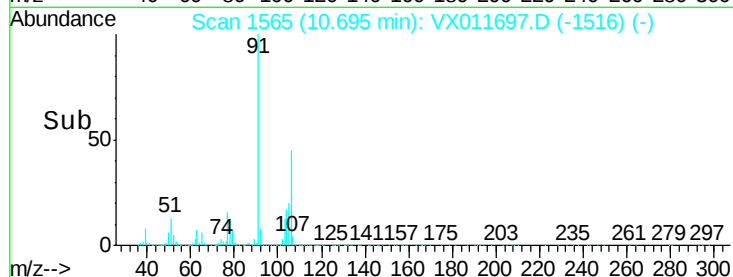
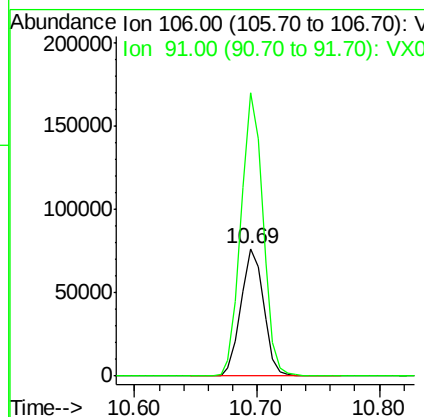
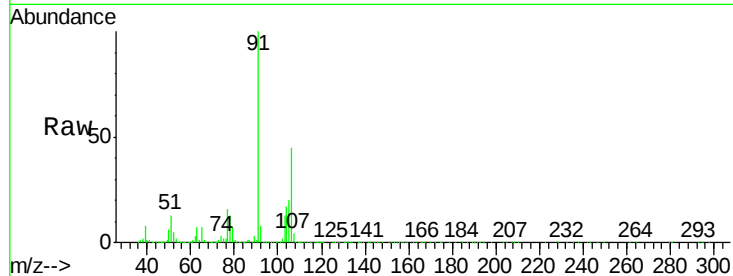
#69
o-Xylene
Concen: 20.030 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.0	105.5	316.4

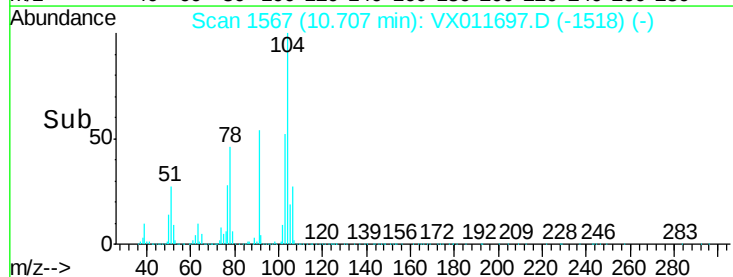
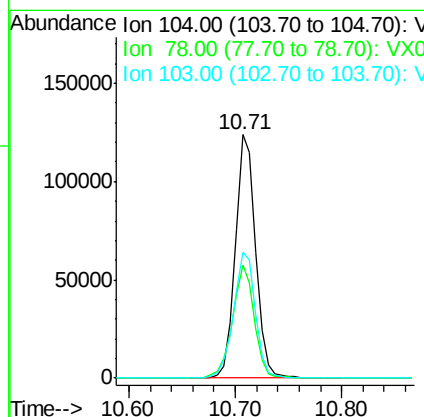
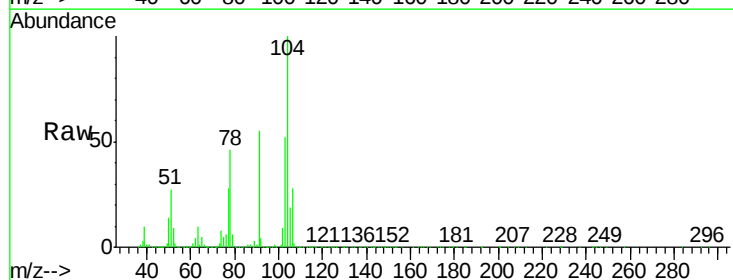
Manual Integrations
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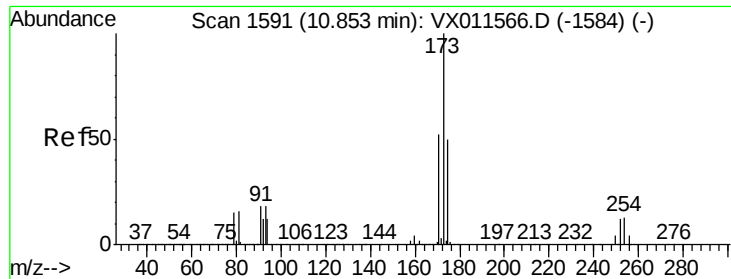
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#70
Styrene
Concen: 20.057 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.2	57.4
103	55.7	43.6	65.4





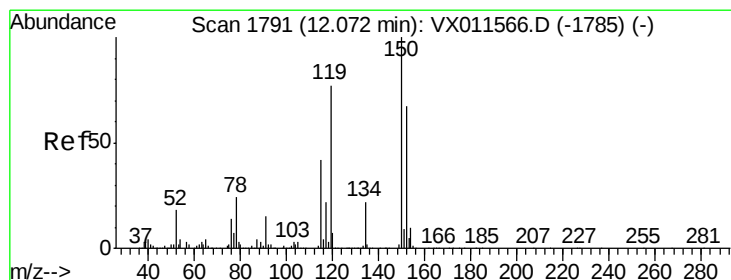
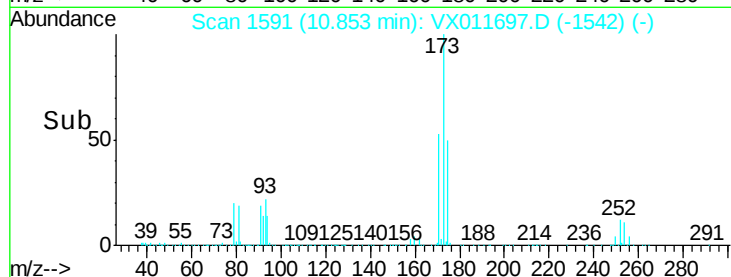
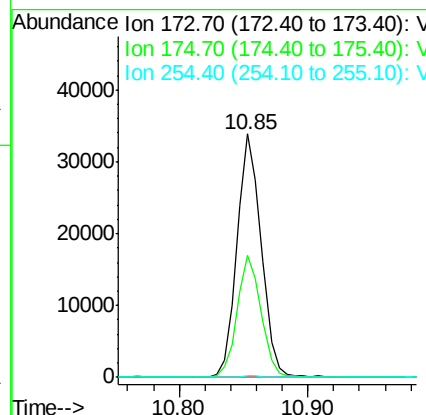
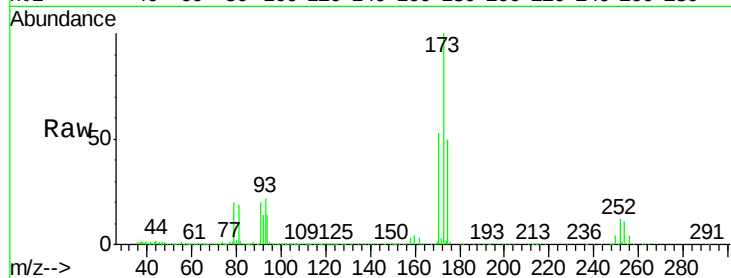
#71
Bromoform
Concen: 17.953 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.9	74.7
254	0.4	0.1	0.1#

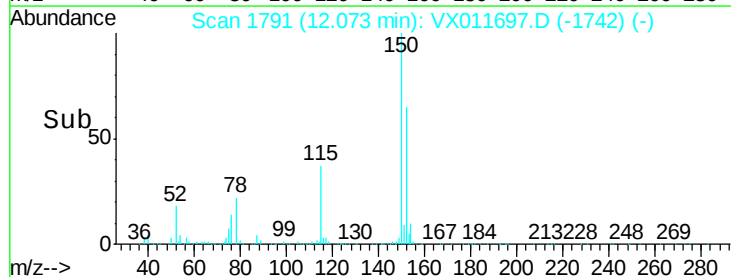
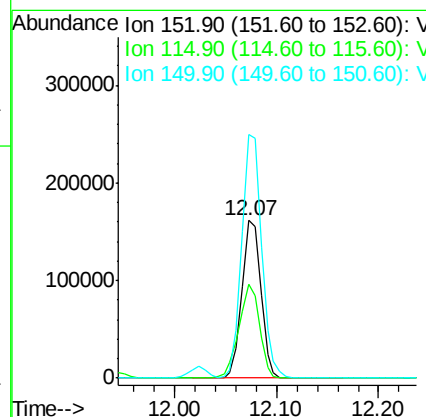
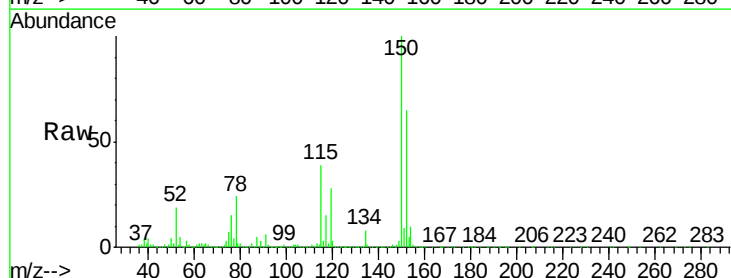
Manual Integrations
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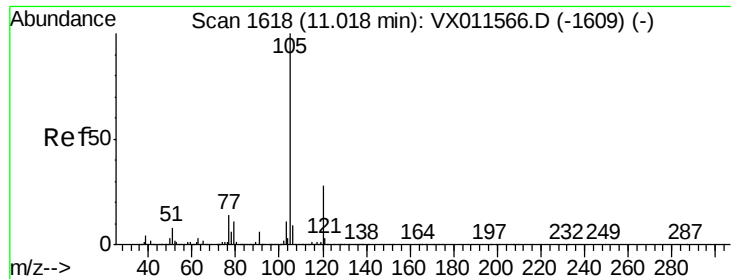
MMDadoda
8/21/2019 9:36:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	37.3	111.9
150	162.2	0.0	346.2





#73

Isopropylbenzene

Concen: 20.098 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 105 Resp: 268439

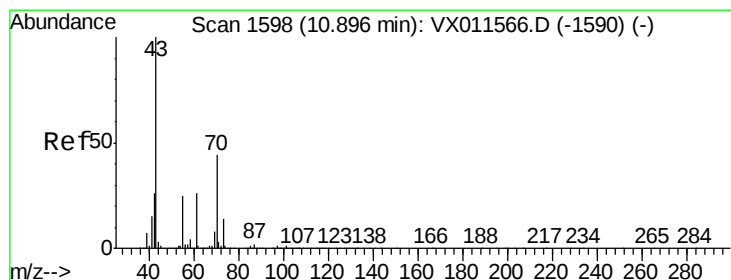
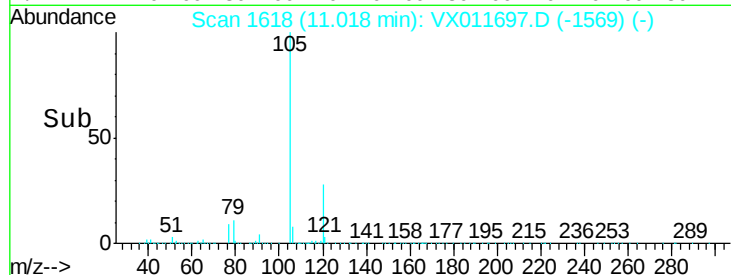
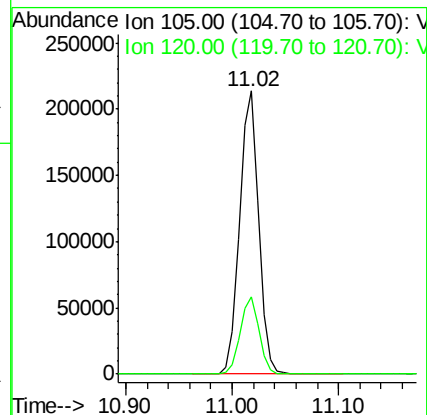
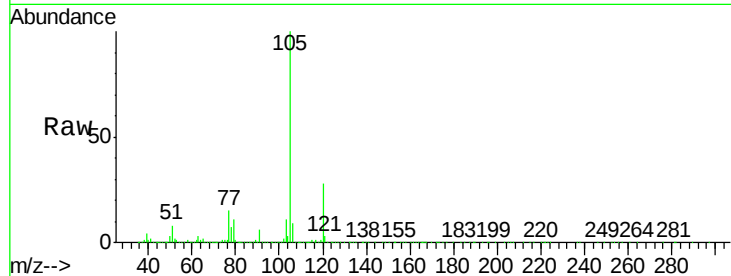
Ion Ratio Lower Upper

105 100

120 27.2 14.0 41.9

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#74

N-ethyl acetate

Concen: 18.671 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion: 43 Resp: 105979

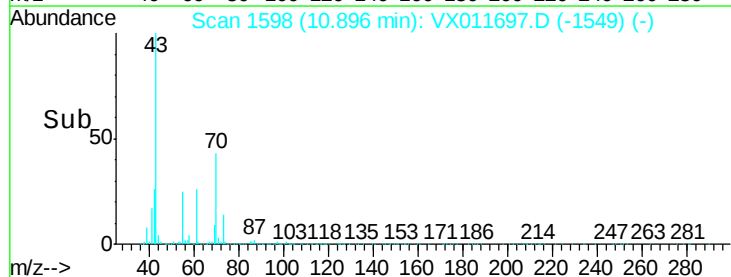
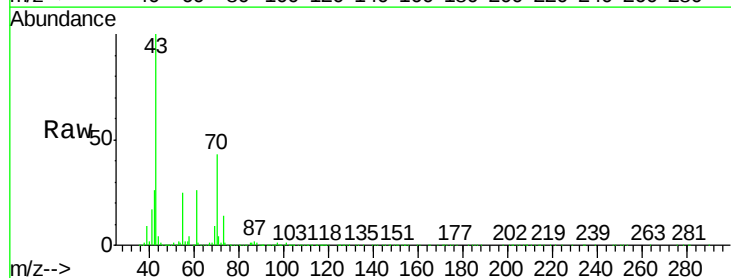
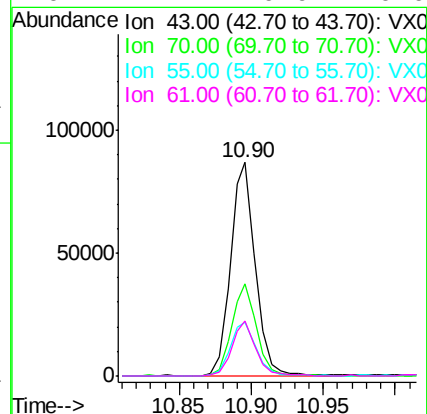
Ion Ratio Lower Upper

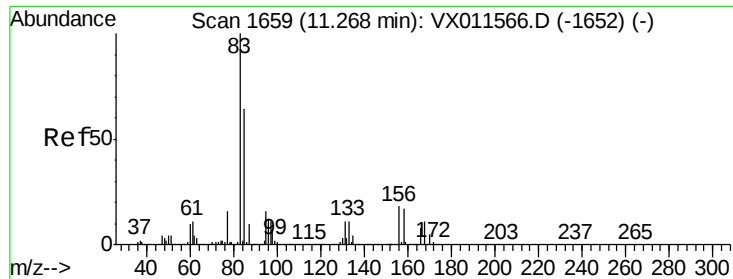
43 100

70 42.4 34.7 52.1

55 25.7 19.6 29.4

61 24.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.849 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

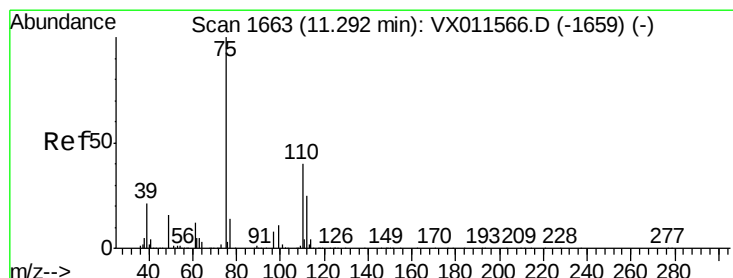
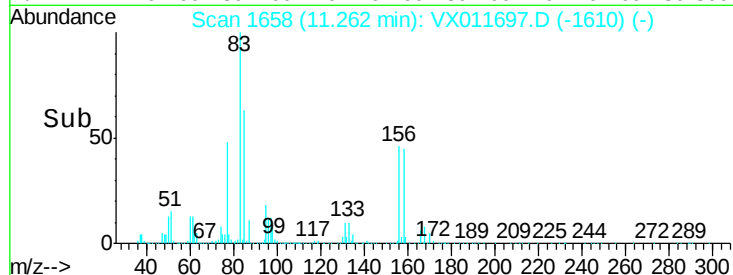
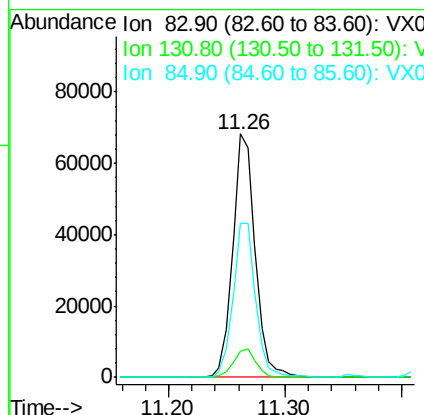
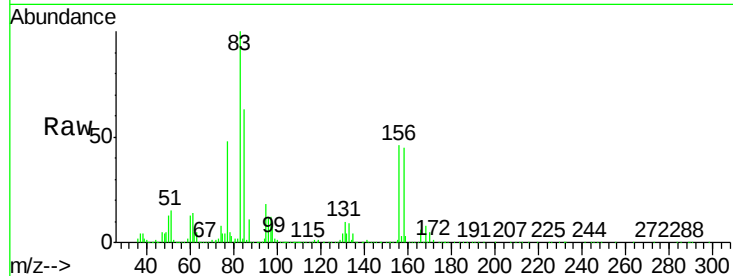
ClientSampleId :

VX0820WBS02

Tot Ion:	83	Resp:	91200
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.3
85	64.0	31.9	95.9

Manual Integrations
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8/21/2019 9:36:22 AM



#76

1,2,3-Trichloropropane

Concen: 20.111 ug/l m

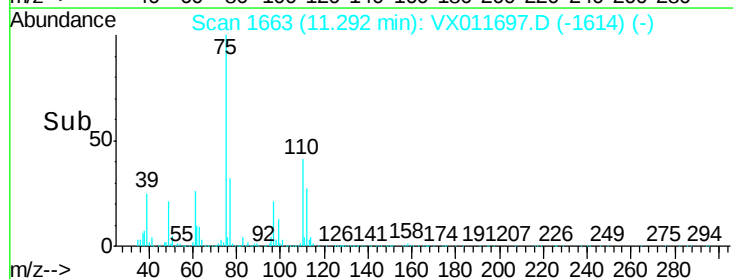
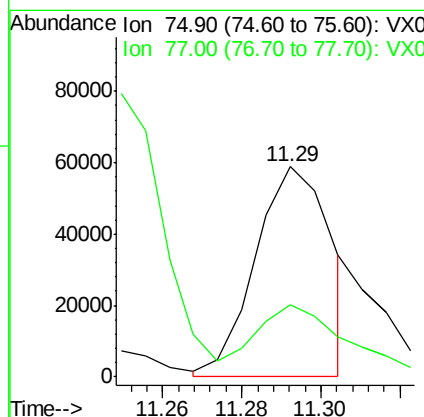
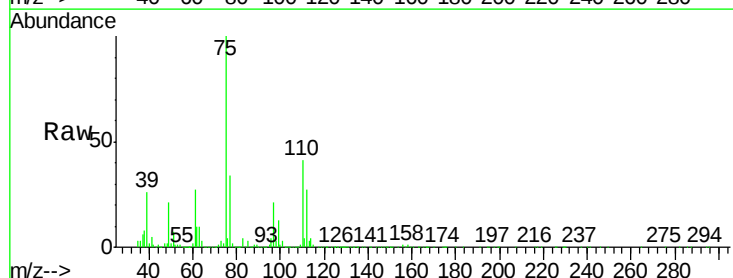
RT: 11.29 min Scan# 1663

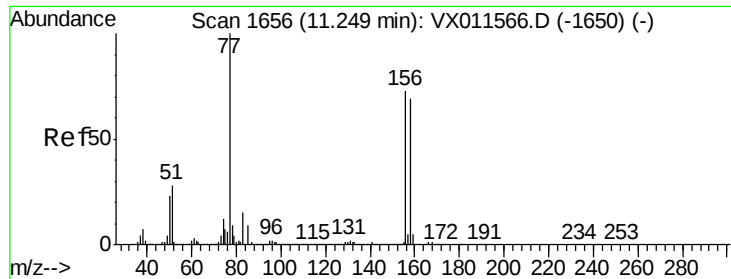
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	75	Resp:	78495
Ion Ratio	Lower	Upper	
75	100		
77	41.1	20.9	62.8





#77

Bromobenzene

Concen: 18.772 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

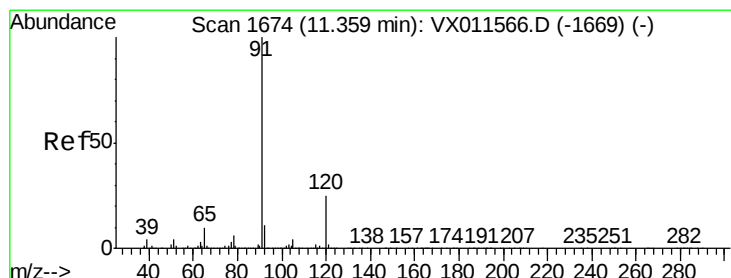
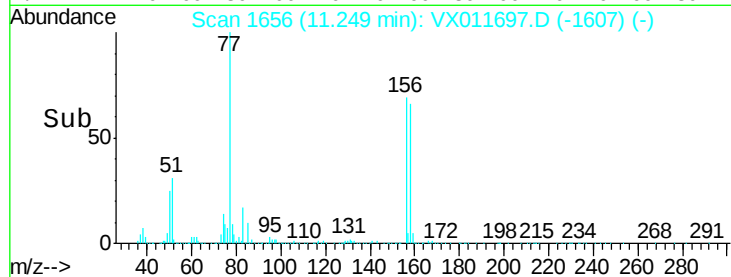
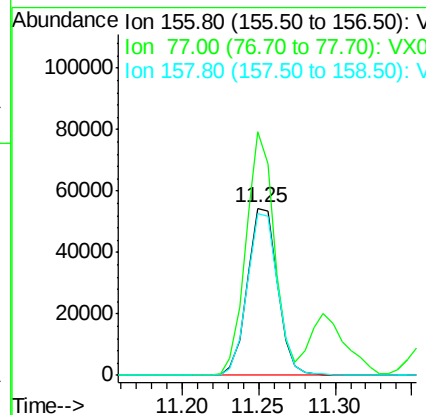
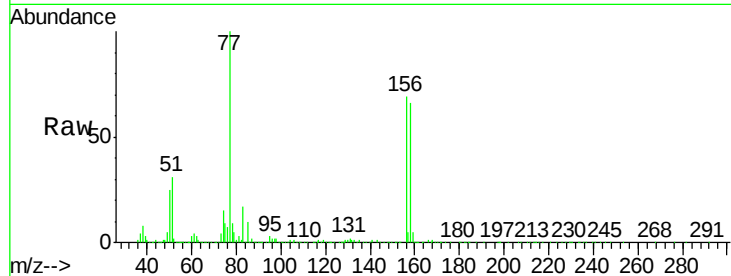
ClientSampleId :

VX0820WBS02

Tot Ion:	156	Resp:	74598
Ion Ratio	Lower	Upper	
156	100		
77	136.3	64.6	193.9
158	98.0	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.336 ug/l

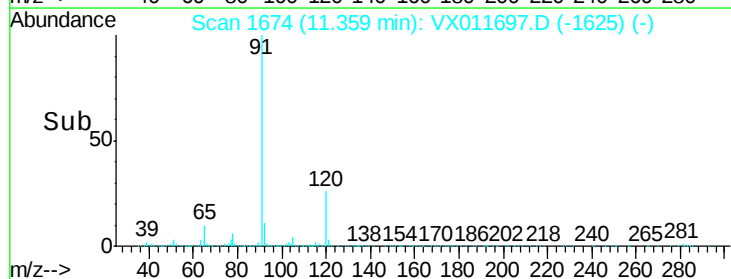
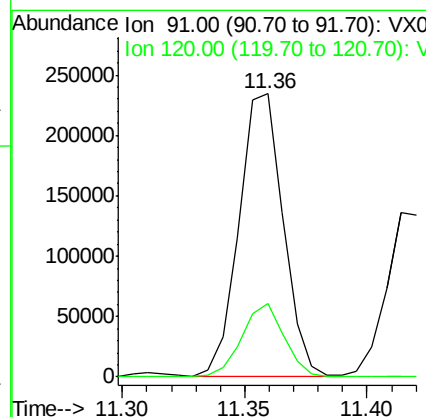
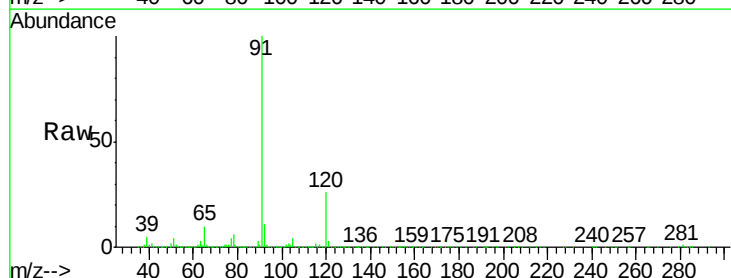
RT: 11.36 min Scan# 1674

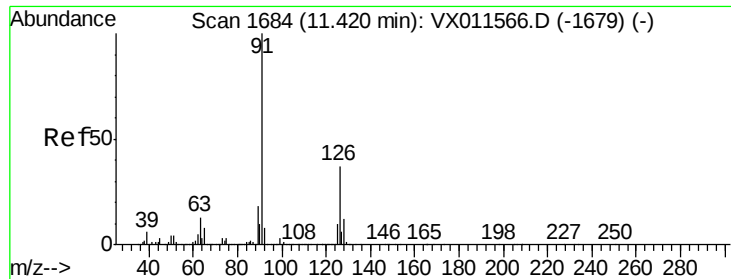
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	91	Resp:	292888
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.6	37.6





#79

2-Chlorotoluene

Concen: 20.019 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS02

Tot Ion: 91 Resp: 177043

Ion Ratio Lower Upper

91 100

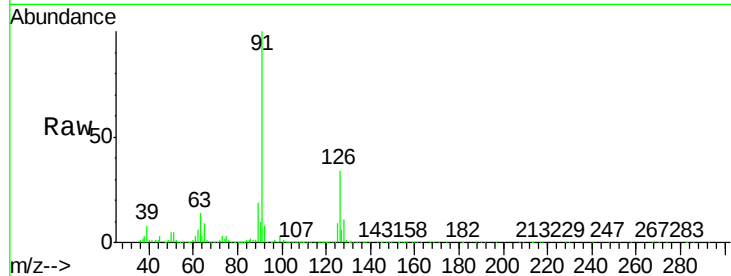
126 36.3 18.4 55.0

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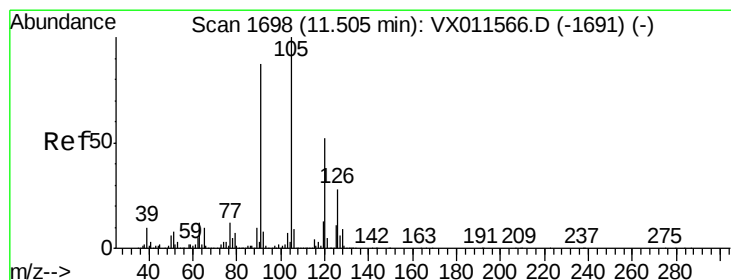
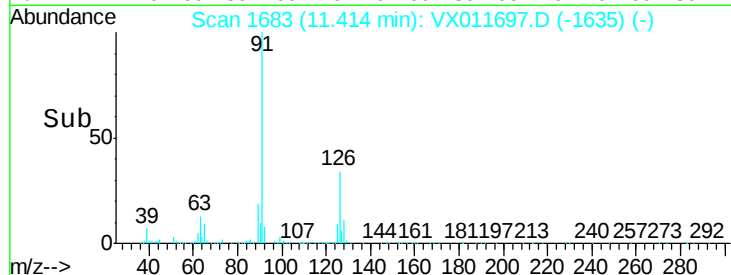
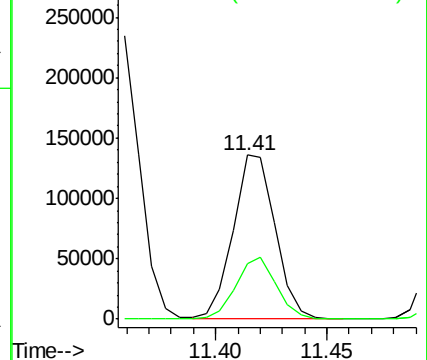
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.345 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011697.D

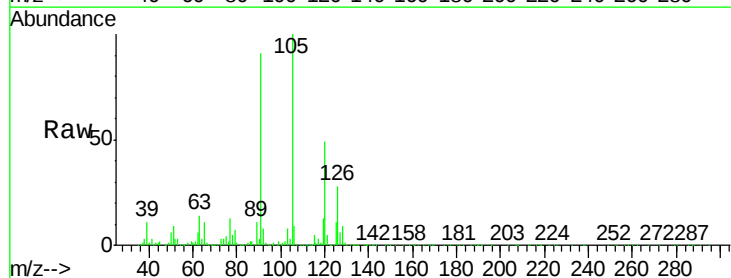
Acq: 20 Aug 2019 20:53

Tgt Ion:105 Resp: 228266

Ion Ratio Lower Upper

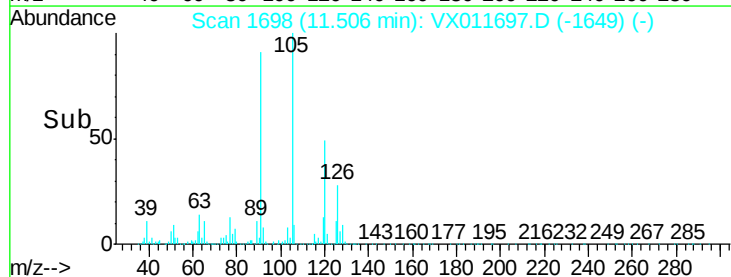
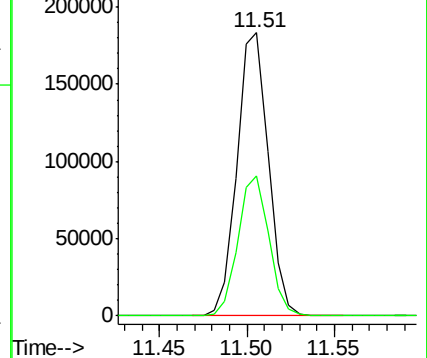
105 100

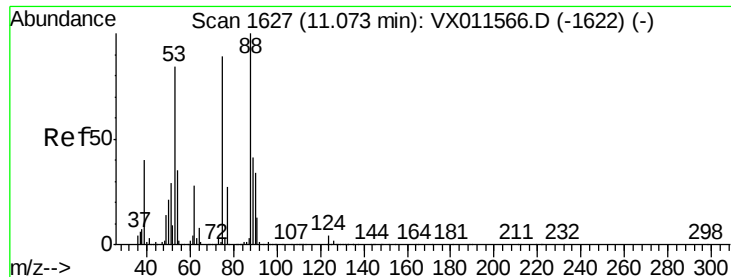
120 48.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.075 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

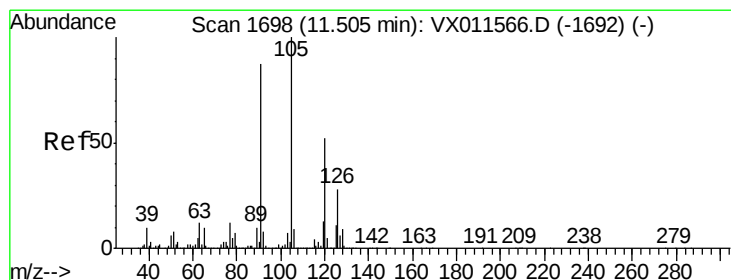
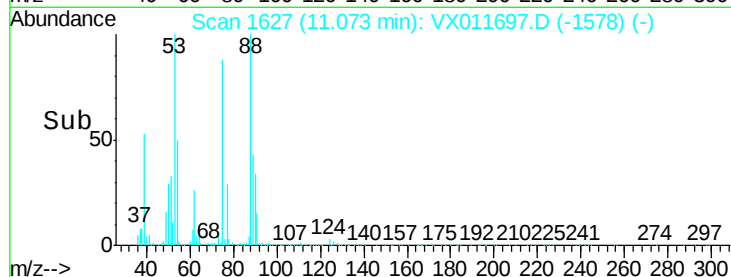
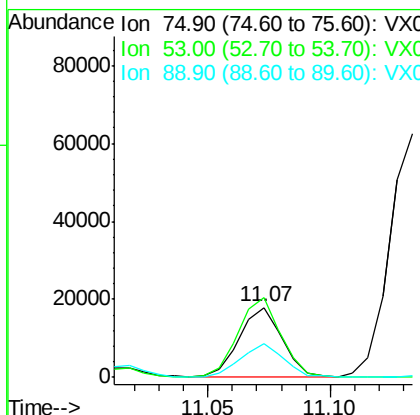
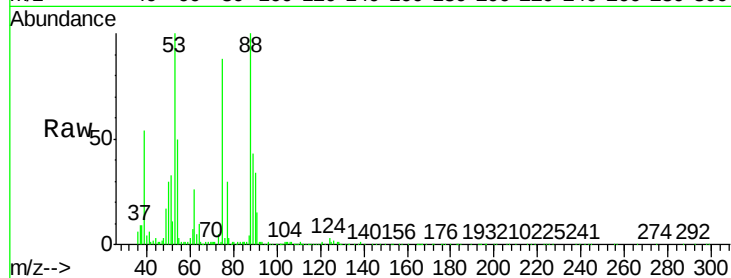
ClientSampleId :

VX0820WBS02

Tot Ion:	75	Resp:	21509
Ion	Ratio	Lower	Upper
75	100		
53	114.3	77.4	116.0
89	49.7	37.3	55.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.180 ug/l

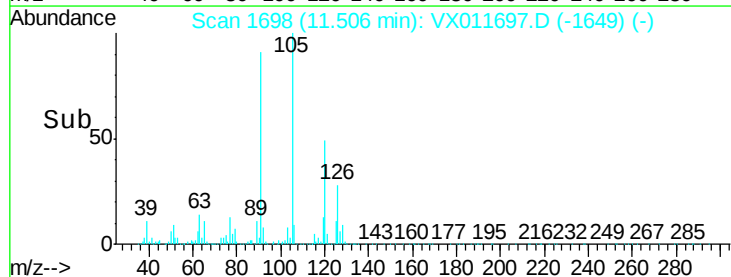
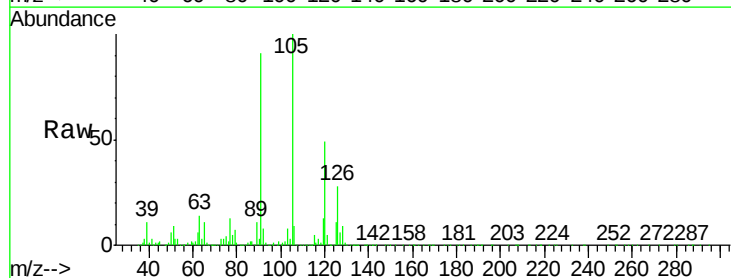
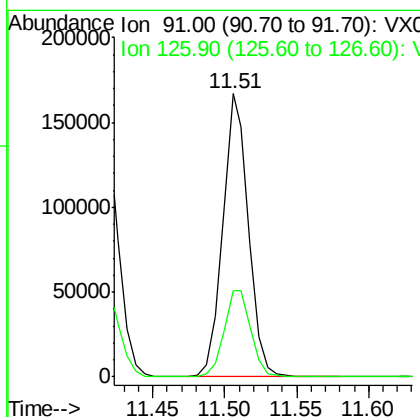
RT: 11.51 min Scan# 1698

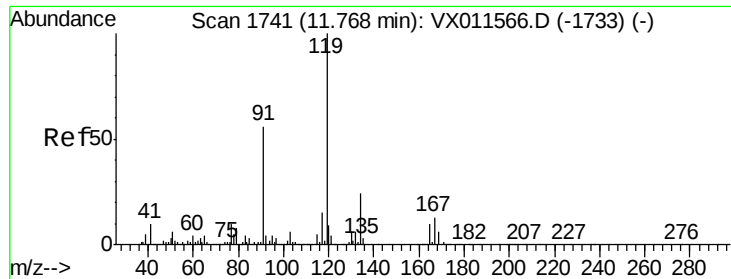
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	91	Resp:	207047
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.1





#83

tert-Butylbenzene

Concen: 20.085 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

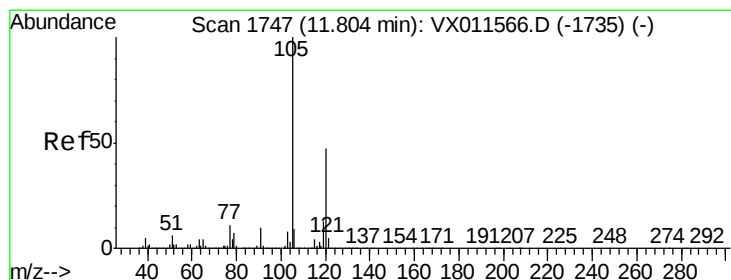
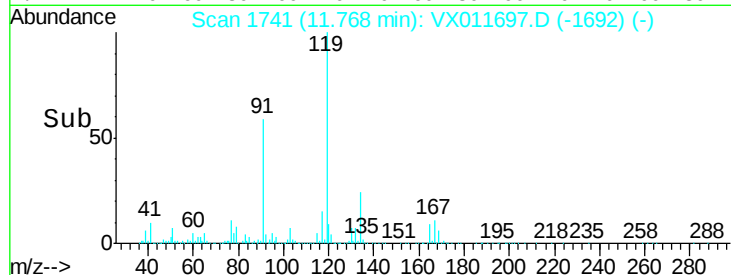
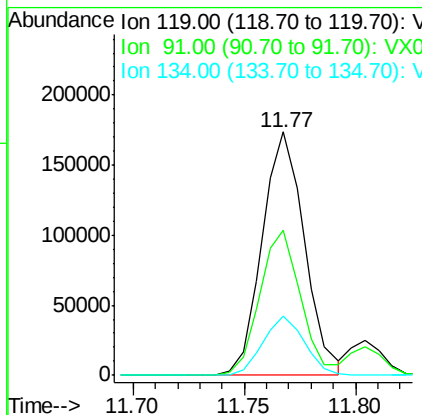
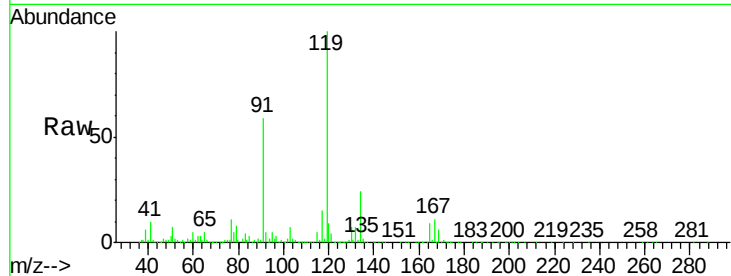
ClientSampleId :

VX0820WBS02

Tot Ion:	119	Resp:	229517
Ion Ratio	Lower	Upper	
119	100		
91	57.8	27.1	81.3
134	23.8	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.780 ug/l

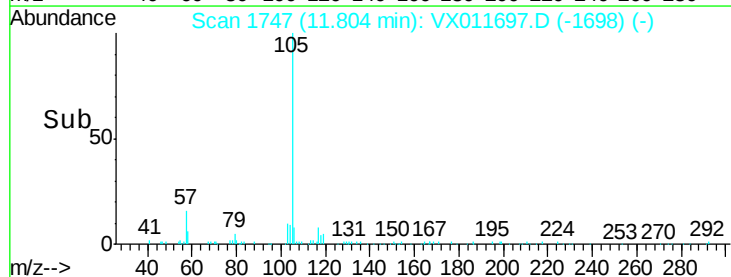
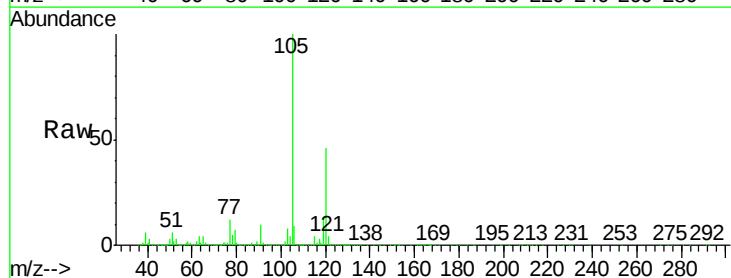
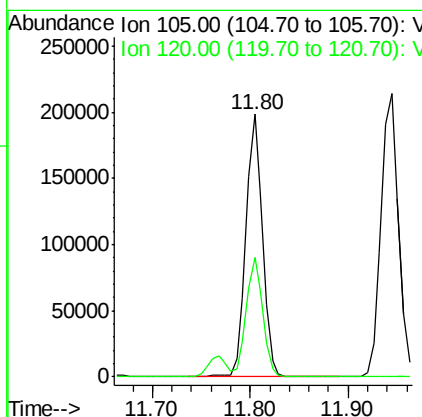
RT: 11.80 min Scan# 1747

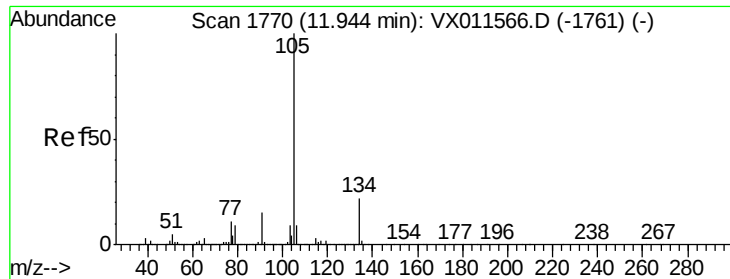
Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	105	Resp:	234068
Ion Ratio	Lower	Upper	
105	100		
120	45.4	23.3	69.9





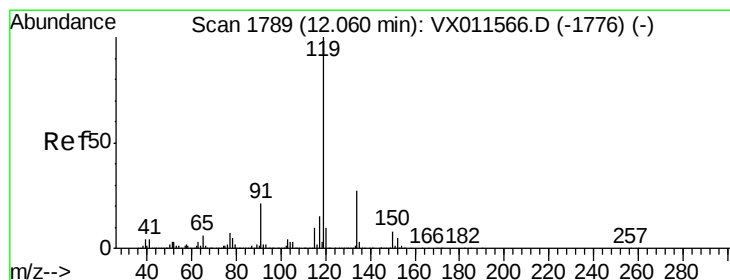
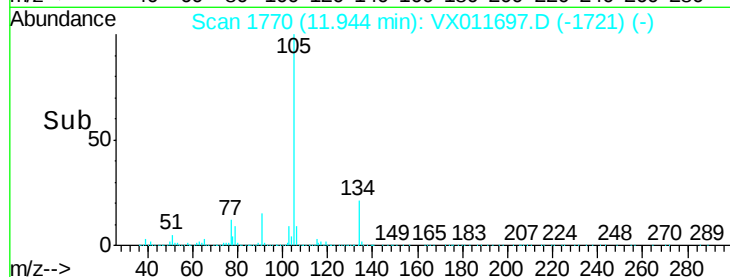
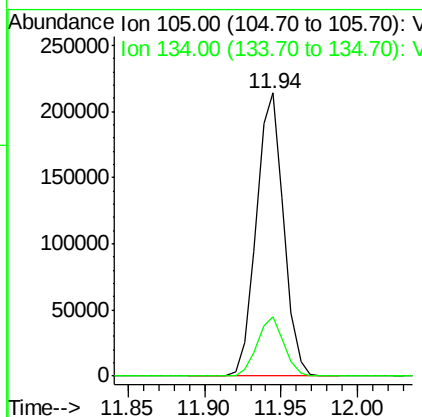
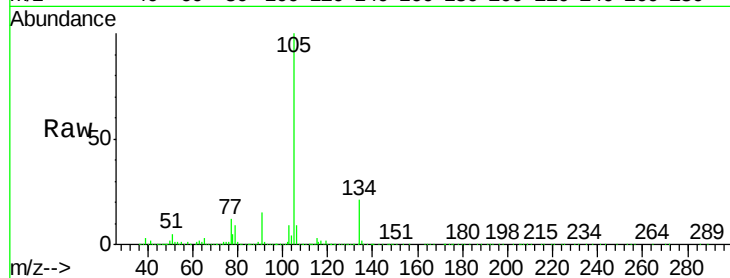
#85
 sec-Butylbenzene
 Concen: 20.529 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.8	32.4

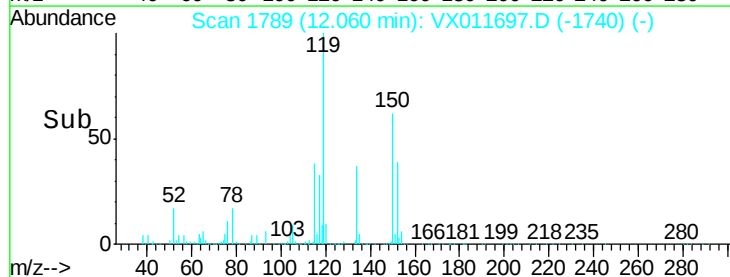
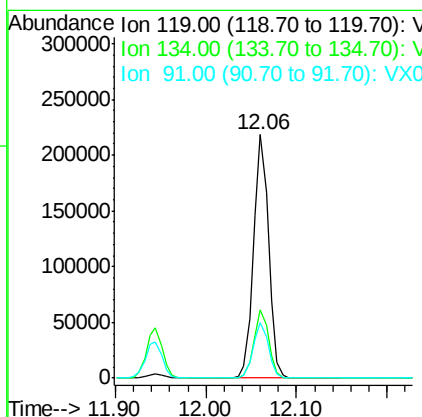
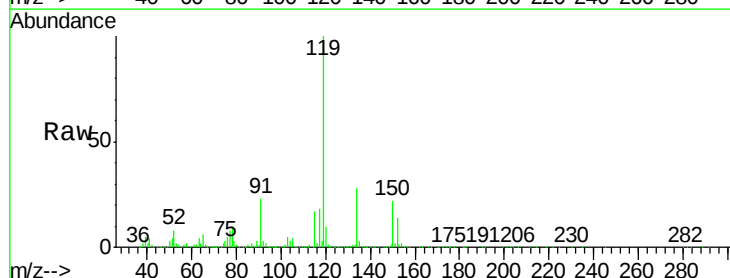
Manual Integrations
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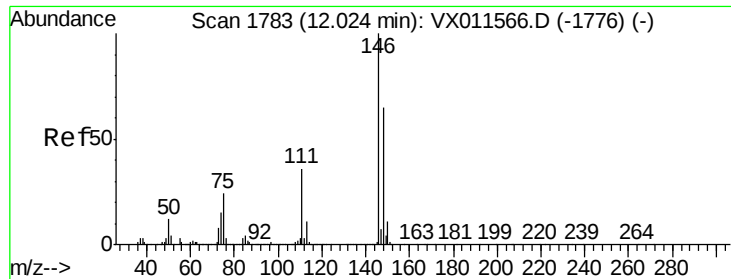
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.705 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.6	40.8
91	23.0	10.9	32.9





#87

1,3-Dichlorobenzene

Concen: 19.558 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

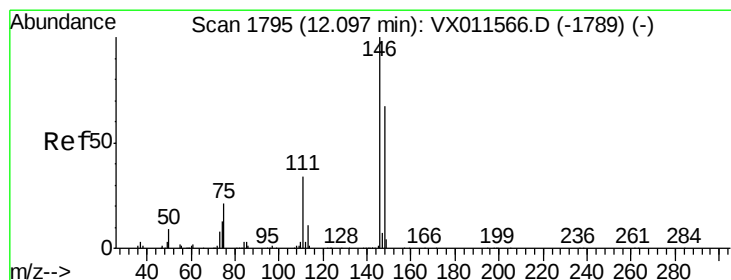
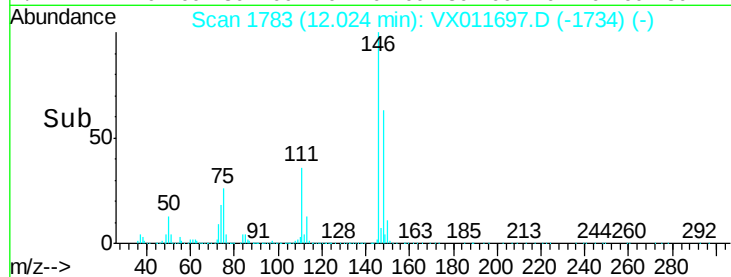
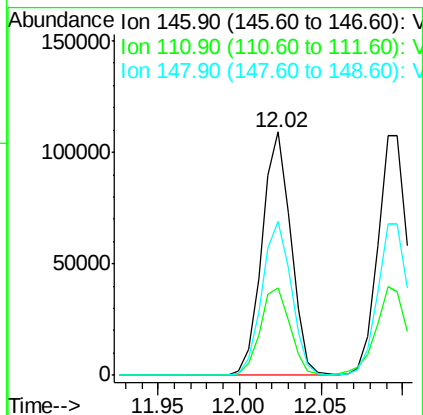
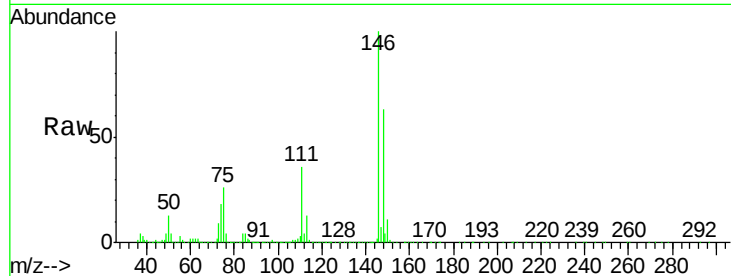
ClientSampleId :

VX0820WBS02

Tot Ion:	146	Resp:	133588
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.1	54.4
148	64.9	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.891 ug/l

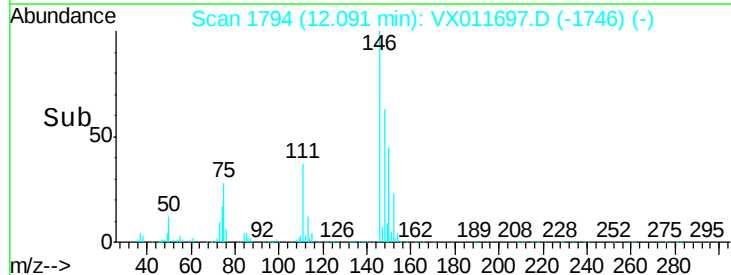
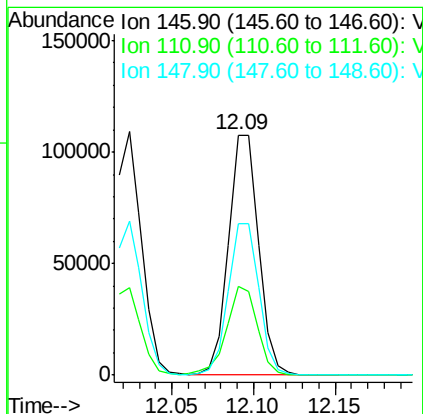
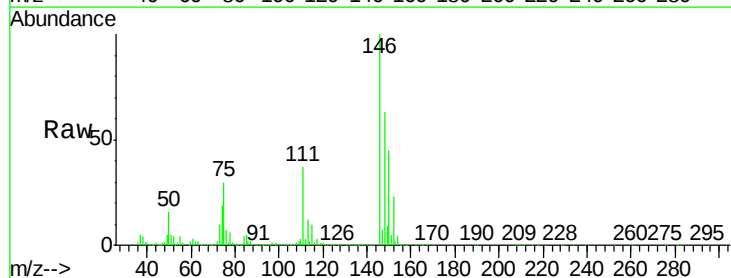
RT: 12.09 min Scan# 1794

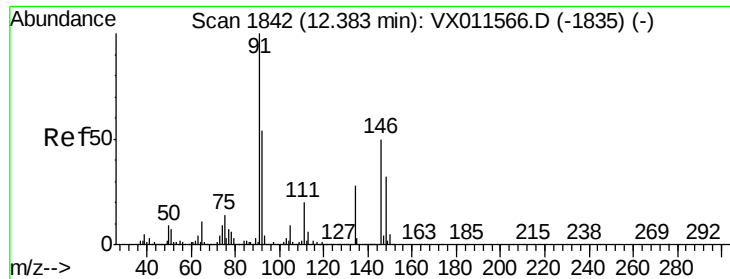
Delta R.T. -0.01 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	146	Resp:	137699
Ion Ratio	Lower	Upper	
146	100		
111	37.9	17.9	53.7
148	64.6	32.5	97.5





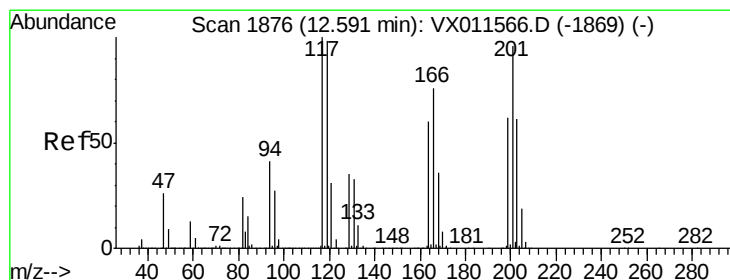
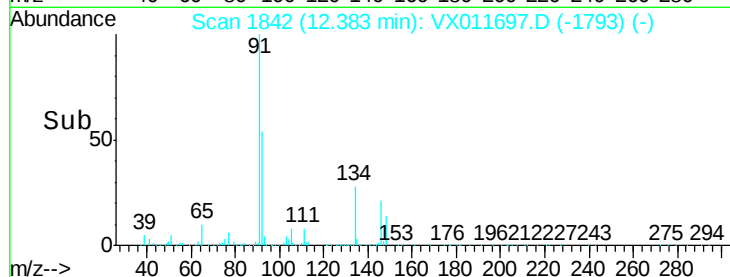
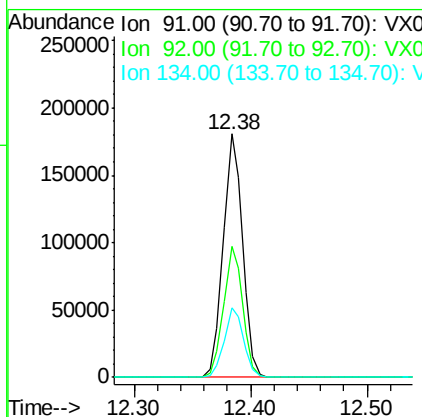
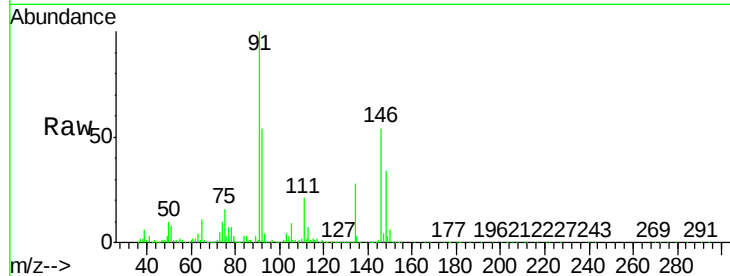
#89
n-Butylbenzene
Concen: 20.800 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	28.6	14.6	44.0

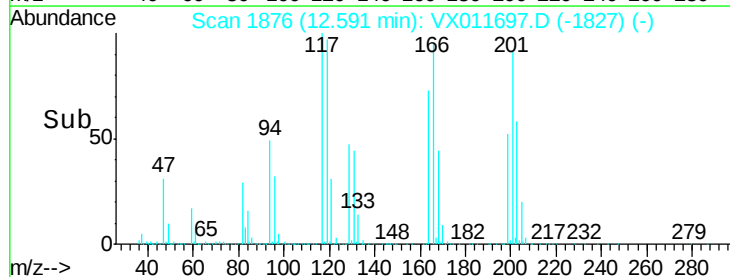
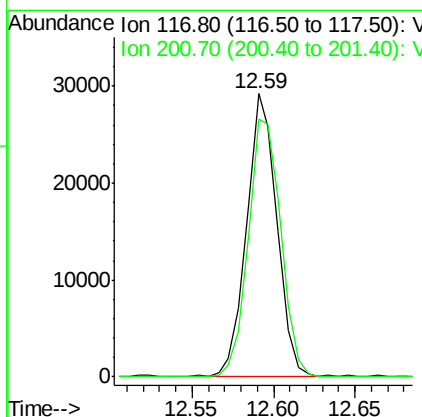
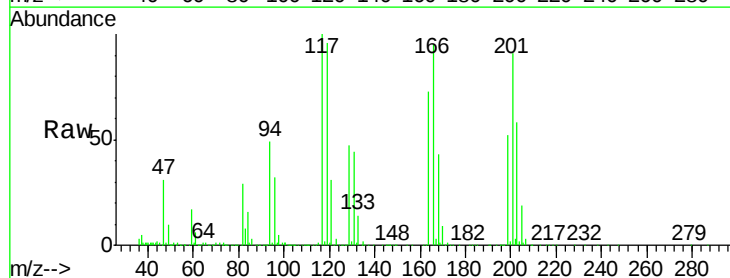
Manual Integrations
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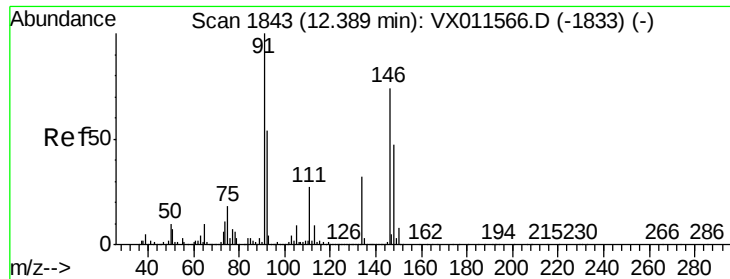
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#90
Hexachloroethane
Concen: 19.604 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011697.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.9	51.9	155.7





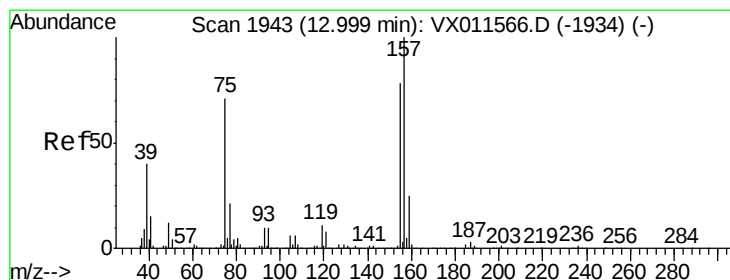
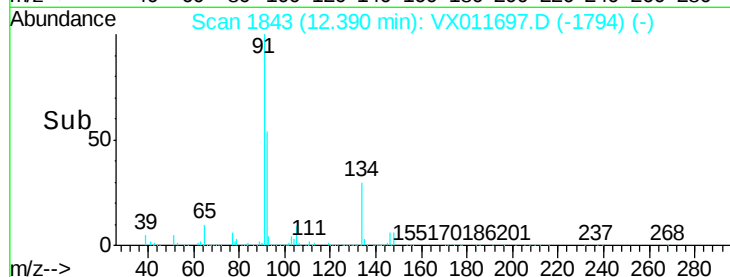
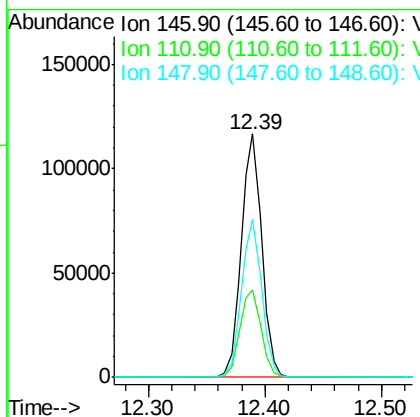
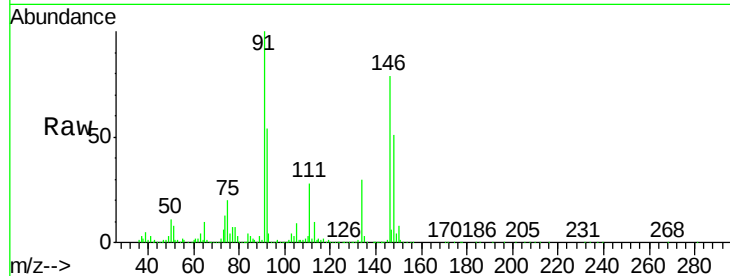
#91
 1,2-Dichlorobenzene
 Concen: 20.955 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	143678		
111	36.9	18.9	56.7	
148	64.4	31.9	95.9	

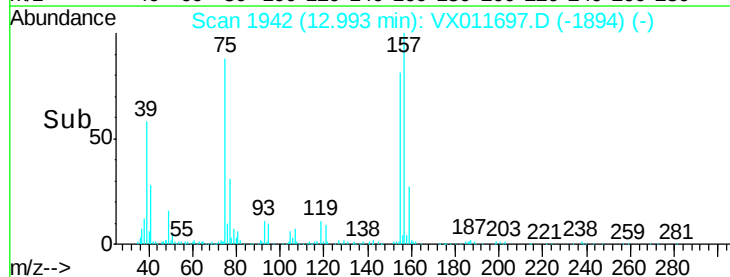
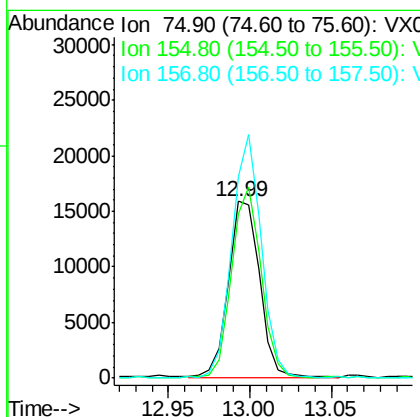
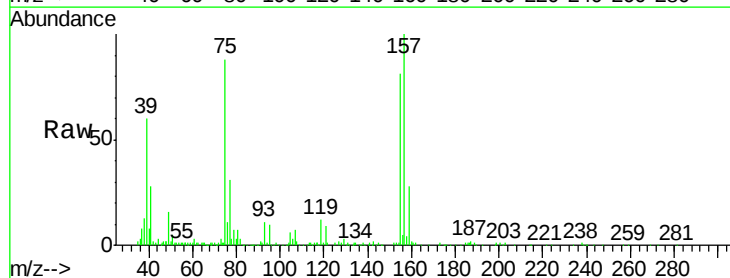
Manual Integrations
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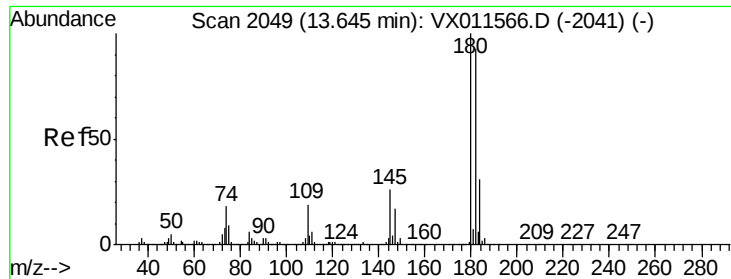
MMDadoda
 8/21/2019 9:36:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.049 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21075		
155	102.5	53.0	159.0	
157	130.5	68.3	205.1	





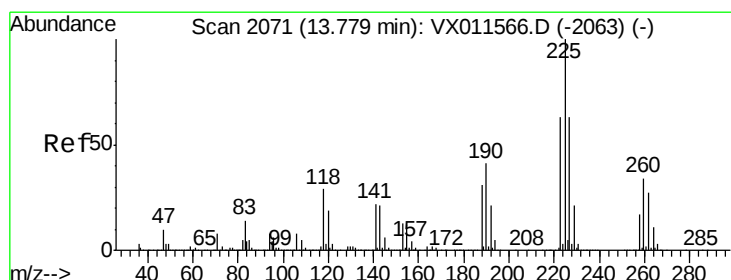
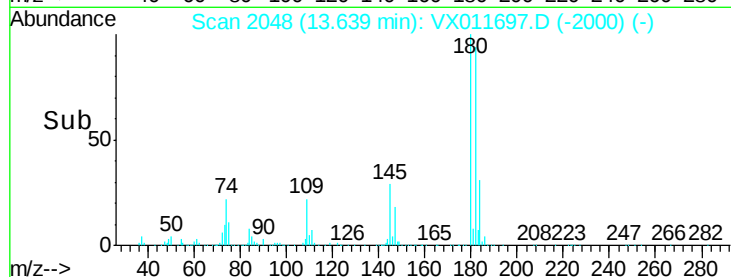
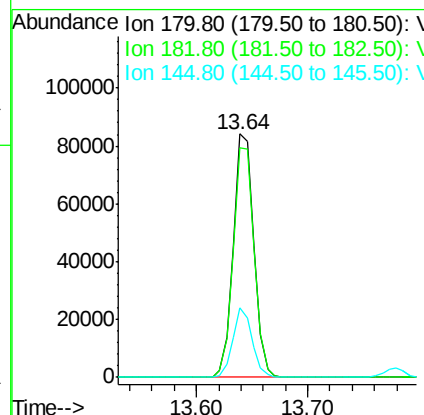
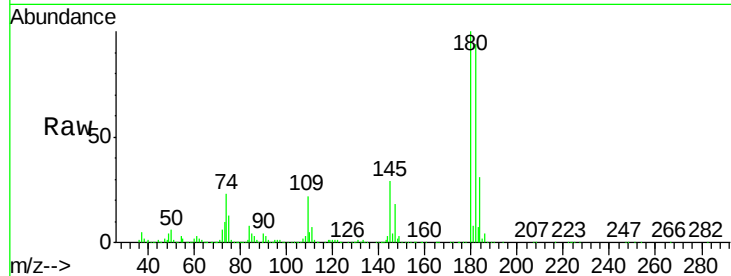
#93
 1,2,4-Trichlorobenzene
 Concen: 21.015 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107361		
182	96.3	47.3	142.0	
145	27.0	13.6	40.8	

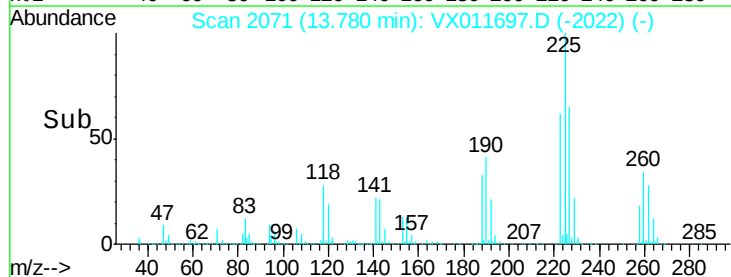
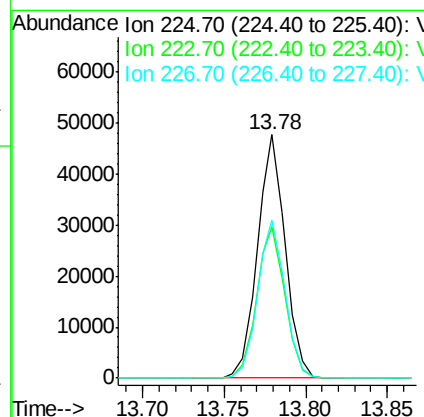
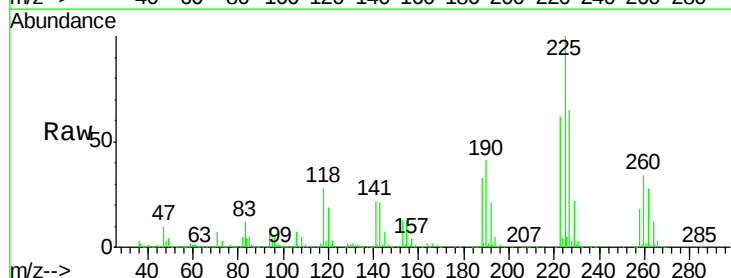
Manual Integrations
 APPROVED

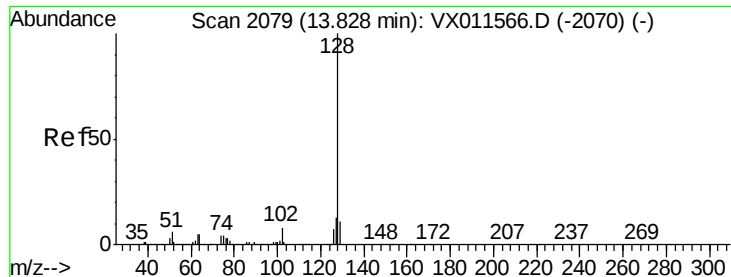
MMDadoda
 8/21/2019 9:36:22 AM



#94
 Hexachlorobutadiene
 Concen: 20.191 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011697.D
 Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56168		
223	62.6	31.4	94.0	
227	64.2	31.2	93.6	





#95

Naphthalene

Concen: 22.213 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Instrument :

MSVOA_X

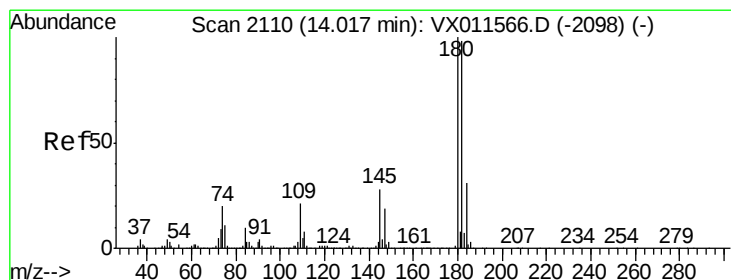
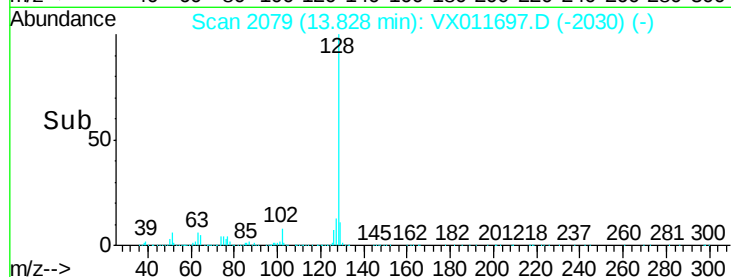
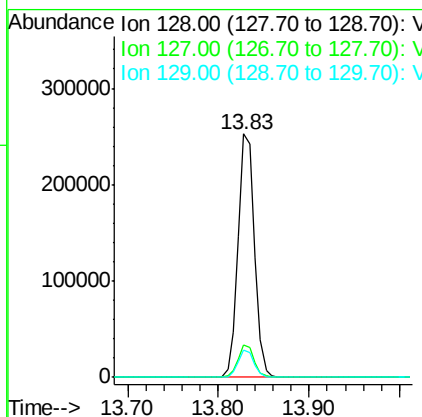
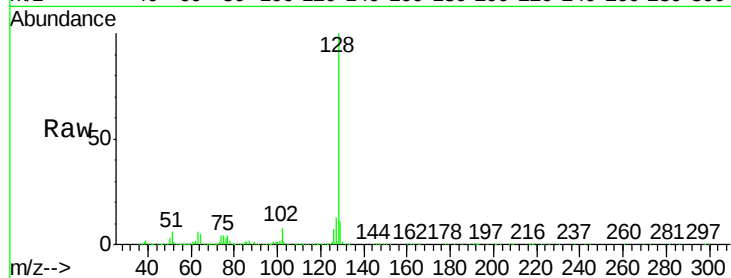
ClientSampleId :

VX0820WBS02

Tot Ion:	128	Resp:	320814
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/21/2019 9:36:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.581 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011697.D

Acq: 20 Aug 2019 20:53

Tgt Ion:	180	Resp:	111206
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.0
145	29.3	14.6	43.8

