

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\
 Data File : VX011686.D
 Acq On : 20 Aug 2019 15:48
 Operator : JC/SP
 Sample : VX0820WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:33:19 AM

Quant Time: Aug 21 00:00:36 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	320987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	460781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	408620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	213854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	159123	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
35) Dibromofluoromethane	5.49	113	141643	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	8.71	98	454039	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.13	95	188965	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	66966	21.225	ug/l	100
3) Chloromethane	1.32	50	54072	16.500	ug/l	100
4) Vinyl Chloride	1.40	62	51945	17.548	ug/l	97
5) Bromomethane	1.63	94	34411	25.943	ug/l	98
6) Chloroethane	1.71	64	32568	23.246	ug/l	96
7) Trichlorofluoromethane	1.92	101	84966	20.722	ug/l	98
8) Diethyl Ether	2.18	74	29216	20.772	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	52797	18.643	ug/l	96
10) Methyl Iodide	2.50	142	61122	15.150	ug/l	96
11) Tert butyl alcohol	3.04	59	71254	97.571	ug/l	97
12) 1,1-Dichloroethene	2.37	96	51172	18.697	ug/l	95
13) Acrolein	2.29	56	24722	116.842	ug/l	93
14) Allyl chloride	2.72	41	82073	18.027	ug/l	96
15) Acrylonitrile	3.14	53	162348	97.134	ug/l	99
16) Acetone	2.43	43	138458	92.505	ug/l	96
17) Carbon Disulfide	2.56	76	107383	16.651	ug/l	97
18) Methyl Acetate	2.76	43	91404	19.691	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	180468	20.246	ug/l	99
20) Methylene Chloride	2.85	84	58731	18.688	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	54930	18.939	ug/l	95
22) Diisopropyl ether	3.85	45	172469	19.022	ug/l	97
23) Vinyl Acetate	3.81	43	680182	94.735	ug/l	99
24) 1,1-Dichloroethane	3.69	63	96819	18.887	ug/l	99
25) 2-Butanone	4.67	43	230260	97.992	ug/l	98
26) 2,2-Dichloropropane	4.58	77	70028	18.150	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	63837	18.881	ug/l	97
28) Bromochloromethane	5.01	49	46280	20.565	ug/l	98
29) Tetrahydrofuran	5.12	42	147798	95.886	ug/l	98
30) Chloroform	5.20	83	108858	20.121	ug/l	100
31) Cyclohexane	5.57	56	84389	19.120	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	92911	19.973	ug/l	99
36) 1,1-Dichloropropene	5.79	75	74195	18.833	ug/l	99
37) Ethyl Acetate	4.82	43	83328	18.389	ug/l	100
38) Carbon Tetrachloride	5.78	117	78780	18.150	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86288	17.736	ug/l	97
40) Benzene	6.13	78	224399	18.329	ug/l	97
41) Methacrylonitrile	5.04	41	46666	18.712	ug/l	99
42) 1,2-Dichloroethane	6.19	62	86176	20.317	ug/l	99
43) Isopropyl Acetate	6.44	43	128522	18.174	ug/l	99
44) Trichloroethene	7.21	130	67263	18.520	ug/l	97
45) 1,2-Dichloropropane	7.51	63	58219	19.068	ug/l	100
46) Dibromomethane	7.66	93	40993	18.476	ug/l	97
47) Bromodichloromethane	7.90	83	74027	18.171	ug/l	100
48) Methyl methacrylate	7.77	41	65519	18.709	ug/l	96
49) 1,4-Dioxane	7.74	88	34750	373.076	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	439731	95.001	ug/l	100
52) Toluene	8.78	92	148242	19.006	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	76072	17.992	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	84280	18.215	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	63316	19.089	ug/l	96
56) Ethyl methacrylate	9.18	69	90036	18.677	ug/l	98
57) 1,3-Dichloropropane	9.37	76	98677	18.716	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	223552	93.068	ug/l	99
59) 2-Hexanone	9.49	43	332752	93.223	ug/l	100
60) Dibromochloromethane	9.58	129	60739	17.576	ug/l	98
61) 1,2-Dibromoethane	9.67	107	66187	18.698	ug/l	98
64) Tetrachloroethene	9.34	164	65793	19.624	ug/l	98
65) Chlorobenzene	10.13	112	167621	19.233	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	61130	18.766	ug/l	100
67) Ethyl Benzene	10.25	91	280671	19.296	ug/l	99
68) m/p-Xylenes	10.35	106	218174	39.076	ug/l	96
69) o-Xylene	10.69	106	104299	19.071	ug/l	96
70) Styrene	10.71	104	177923	19.325	ug/l	98
71) Bromoform	10.85	173	46471	17.005	ug/l #	99
73) Isopropylbenzene	11.02	105	289917	20.892	ug/l	99
74) N-amyl acetate	10.90	43	111661	18.935	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	93495	19.586	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	82700m	20.394	ug/l	
77) Bromobenzene	11.25	156	81593	19.763	ug/l	97
78) n-propylbenzene	11.36	91	308572	20.622	ug/l	99
79) 2-Chlorotoluene	11.42	91	190001	20.679	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	240045	20.593	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21810	17.748	ug/l #	82
82) 4-Chlorotoluene	11.51	91	217296	20.385	ug/l	99
83) tert-Butylbenzene	11.77	119	244272	20.575	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	246235	21.041	ug/l	98
85) sec-Butylbenzene	11.94	105	272621	20.353	ug/l	99
86) p-Isopropyltoluene	12.06	119	256001	20.315	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	137040	19.311	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	139930	19.455	ug/l	99
89) n-Butylbenzene	12.38	91	206926	19.973	ug/l	99
90) Hexachloroethane	12.59	117	36327	18.255	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	139894	19.638	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20517	18.787	ug/l	93

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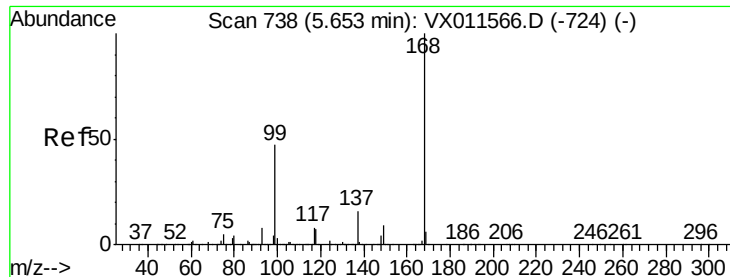
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	98586	18.574	ug/l	98
94) Hexachlorobutadiene	13.78	225	52513	18.169	ug/l	98
95) Naphthalene	13.83	128	295804	19.713	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	103807	19.390	ug/l	99

(#) = 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: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion:168 Resp: 320987

Ion Ratio Lower Upper

168 100

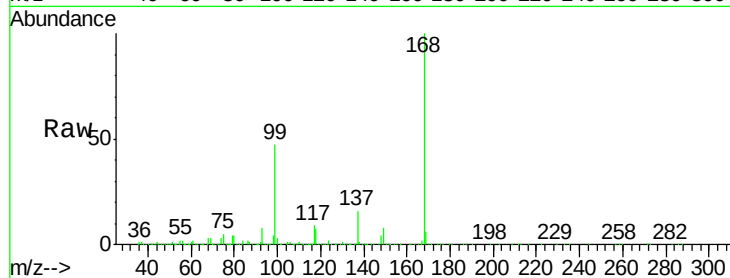
99 47.1 37.3 55.9

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

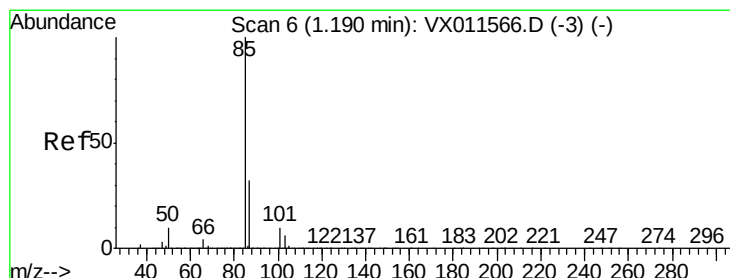
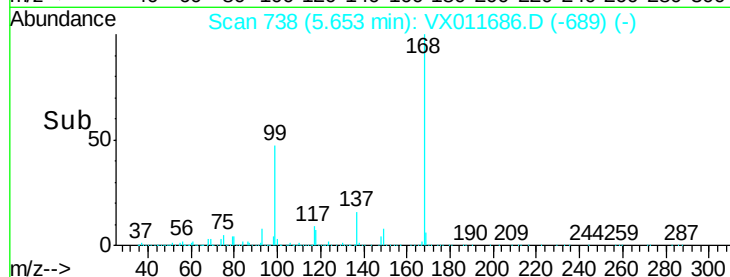
5.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.225 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011686.D

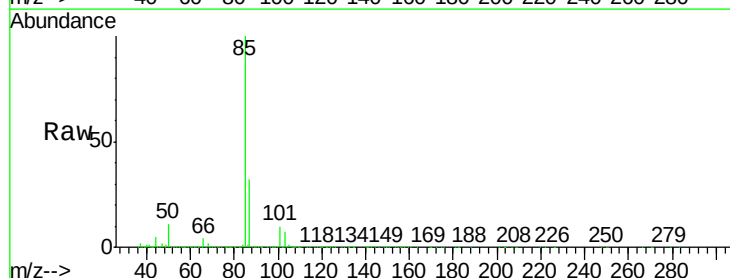
Acq: 20 Aug 2019 15:48

Tgt Ion: 85 Resp: 66966

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

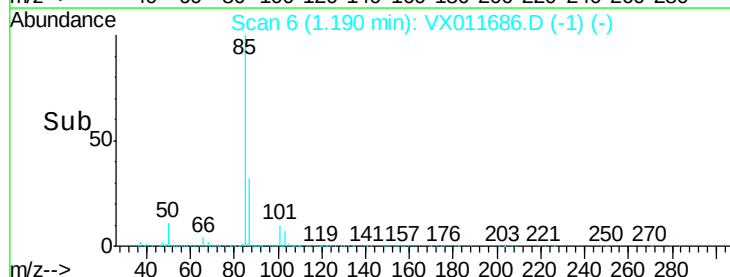
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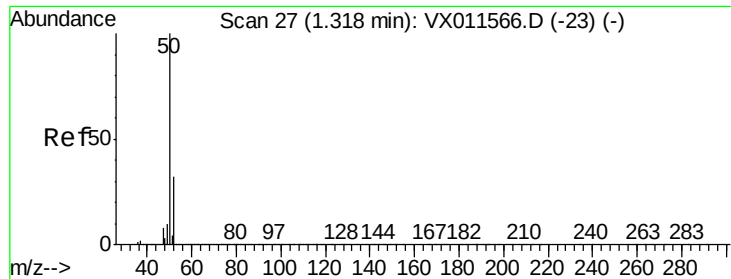
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20000

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Time-->





#3

Chloromethane

Concen: 16.500 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 50 Resp: 54072

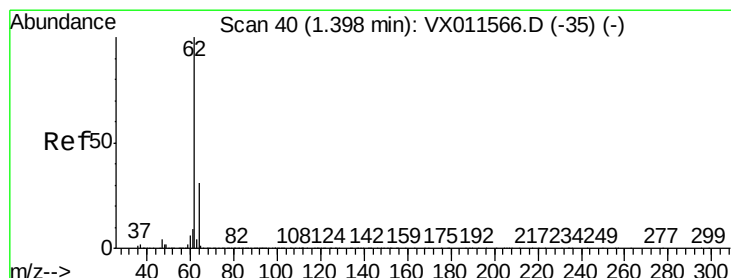
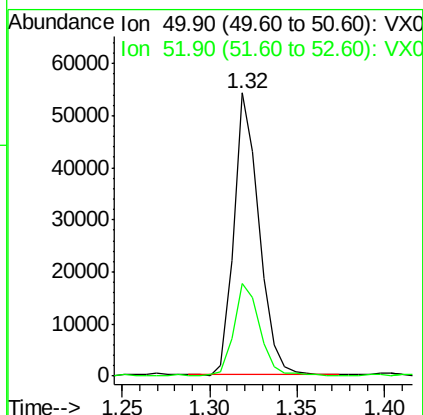
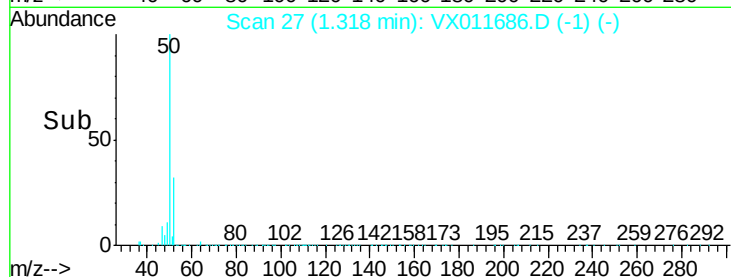
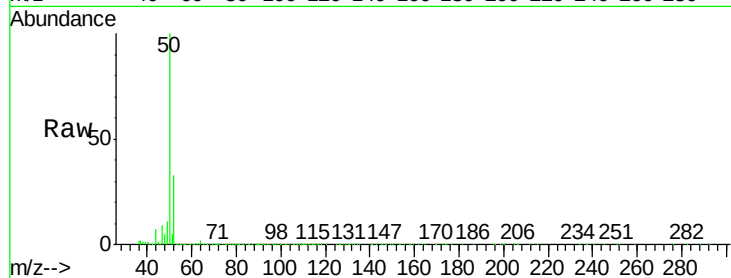
Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 17.548 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011686.D

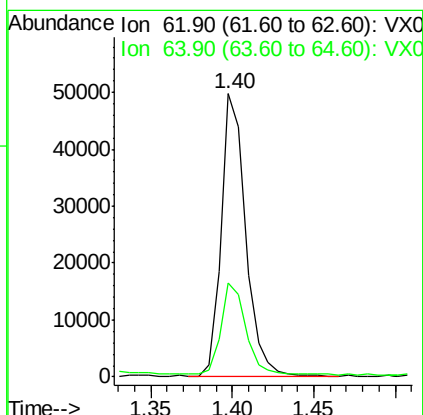
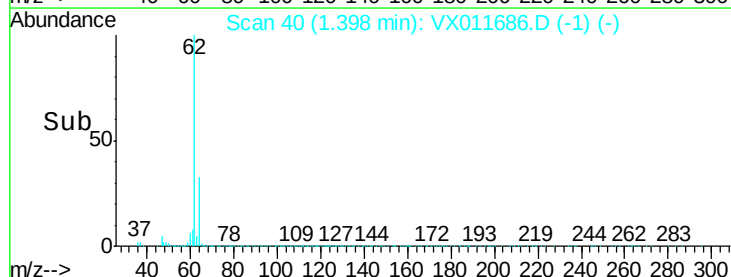
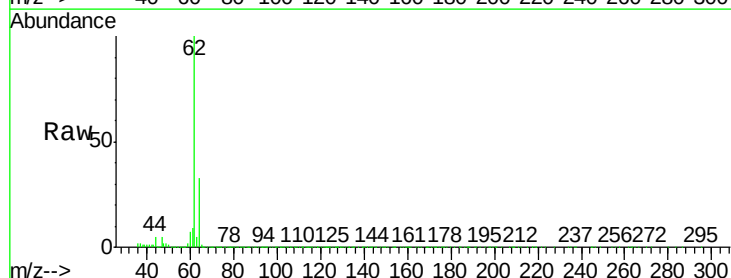
Acq: 20 Aug 2019 15:48

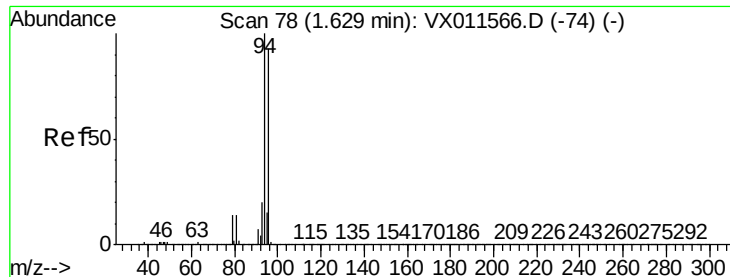
Tgt Ion: 62 Resp: 51945

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.4





#5

Bromomethane

Concen: 25.943 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 94 Resp: 34411

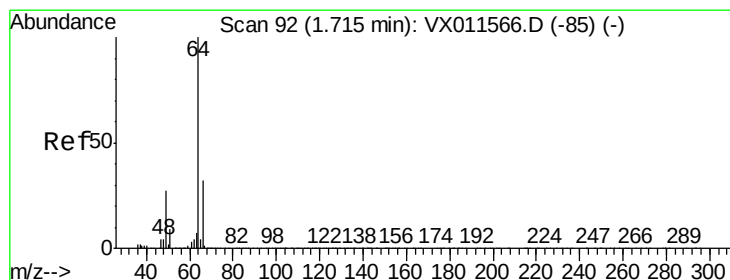
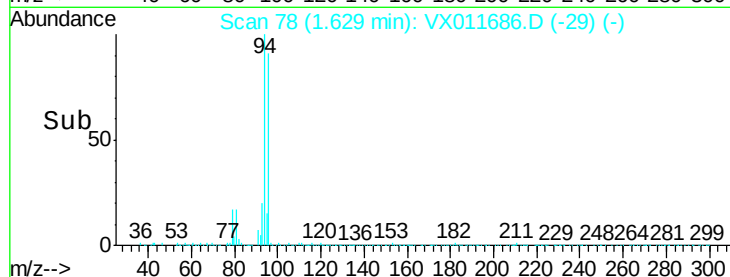
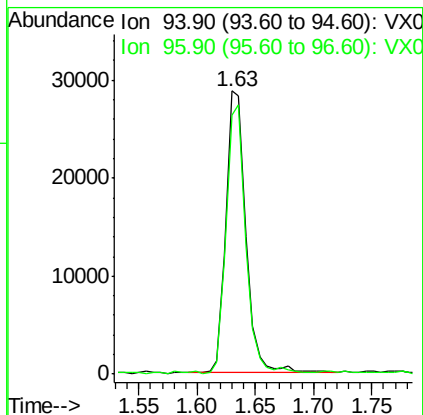
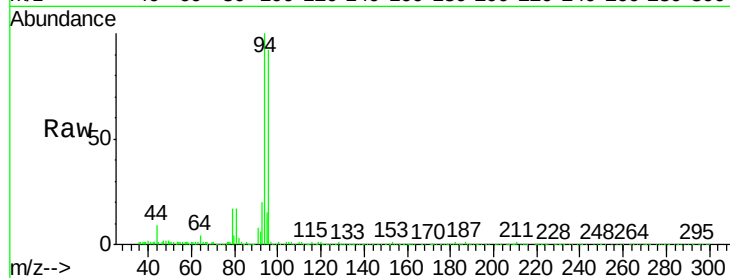
Ion Ratio Lower Upper

94 100

96 91.4 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 23.246 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011686.D

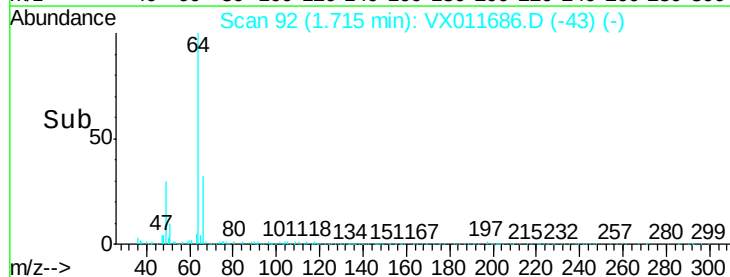
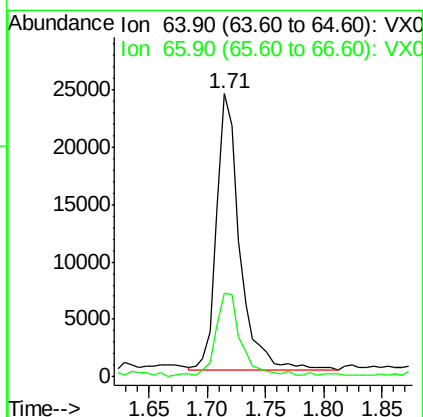
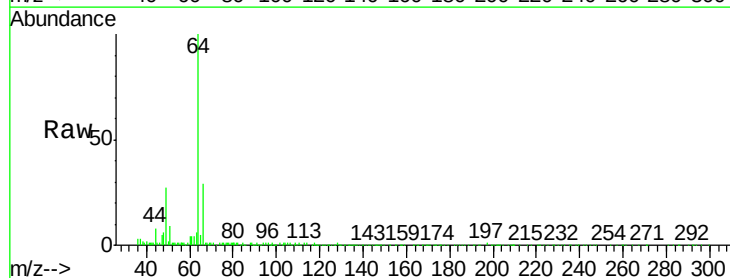
Acq: 20 Aug 2019 15:48

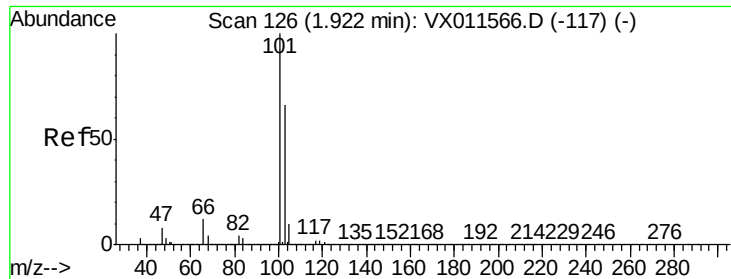
Tgt Ion: 64 Resp: 32568

Ion Ratio Lower Upper

64 100

66 29.3 25.3 37.9





#7

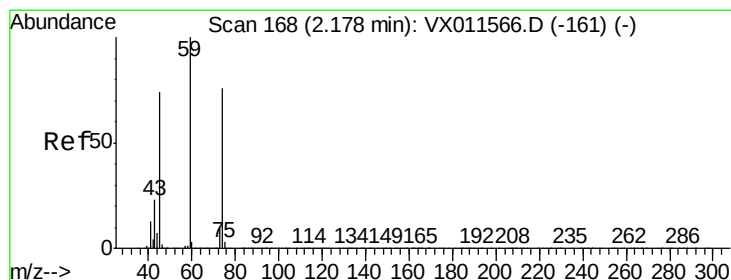
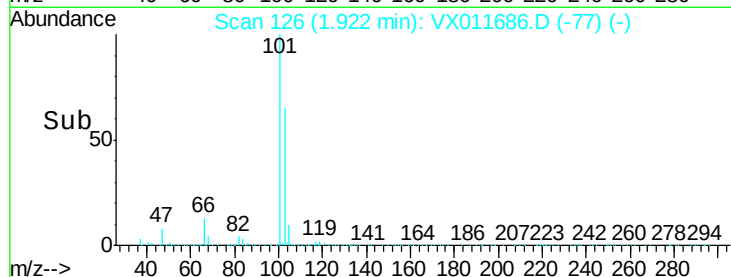
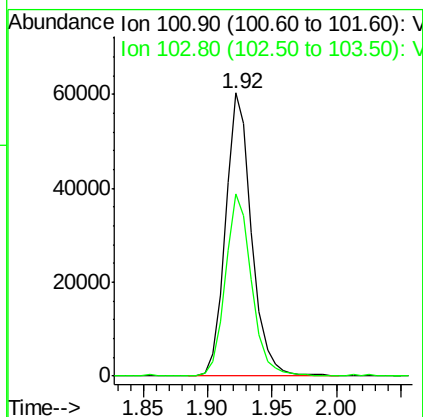
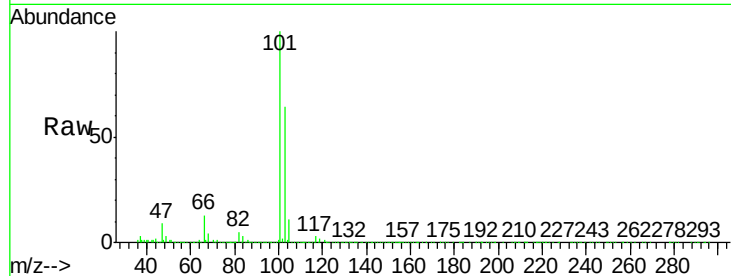
Trichlorofluoromethane
Concen: 20.722 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
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ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.9	79.3

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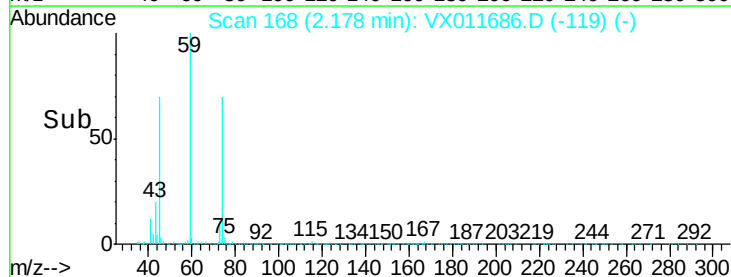
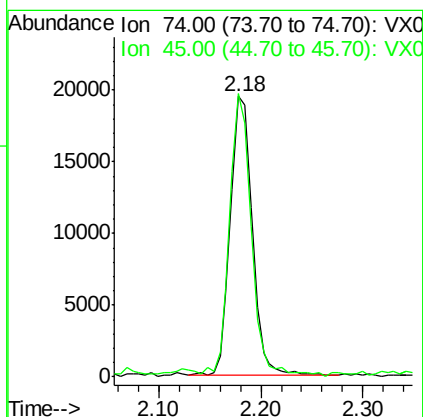
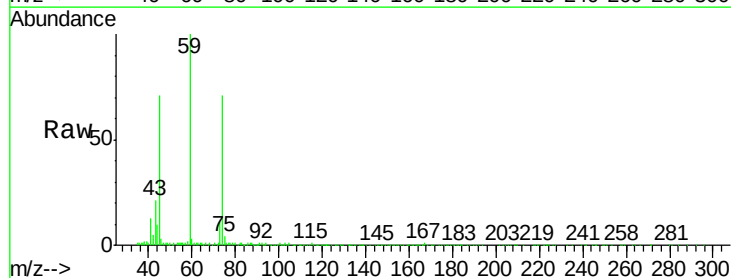
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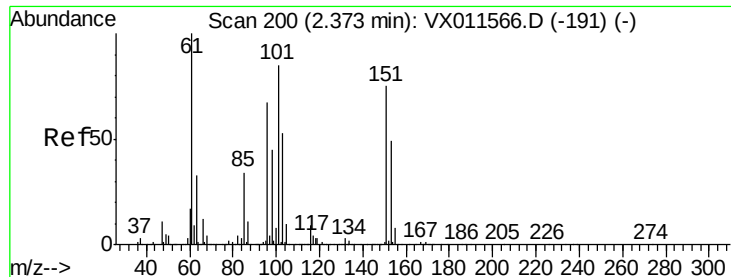


#8

Diethyl Ether
Concen: 20.772 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.643 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

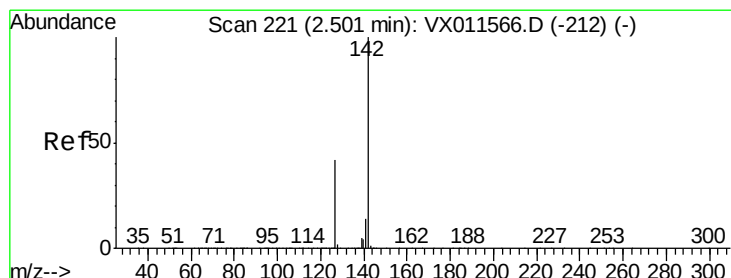
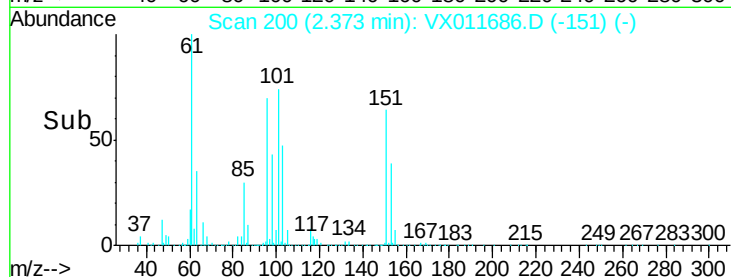
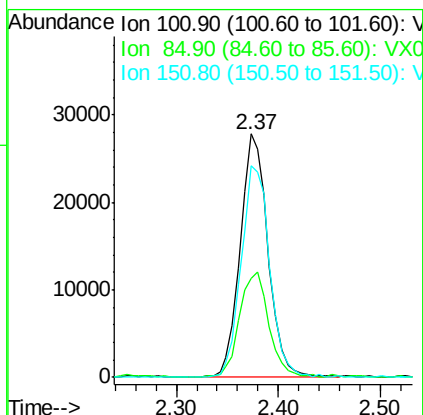
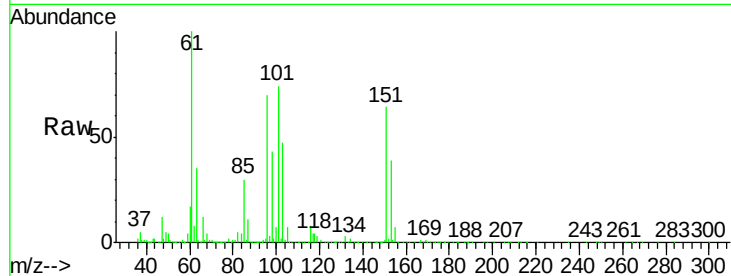
ClientSampleId :

VX0820WBSD01

Tot Ion:	101	Resp:	52797
Ion Ratio	Lower	Upper	
101	100		
85	46.0	33.0	49.4
151	89.4	73.3	109.9

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#10

Methyl Iodide

Concen: 15.150 ug/l

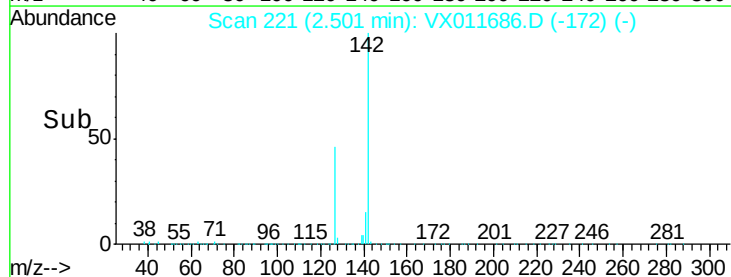
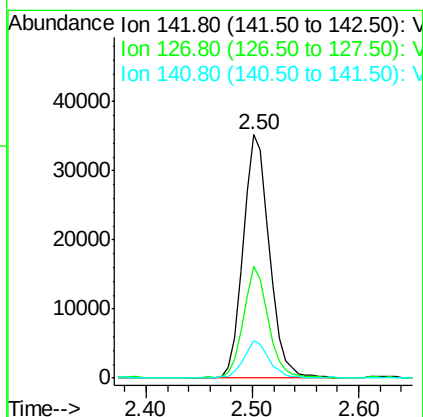
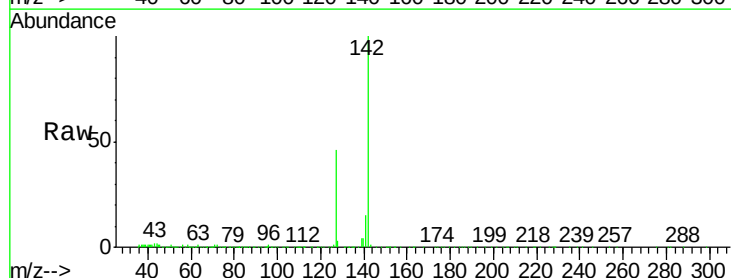
RT: 2.50 min Scan# 221

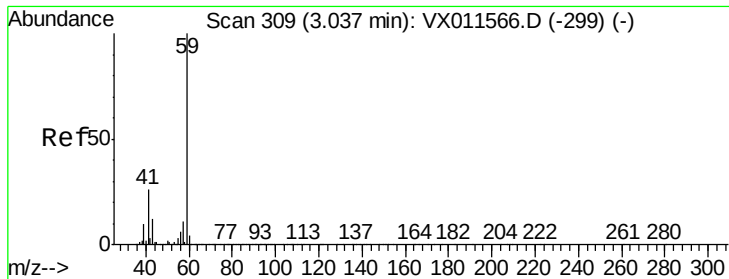
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	142	Resp:	61122
Ion Ratio	Lower	Upper	
142	100		
127	44.0	32.8	49.2
141	15.3	11.4	17.2





#11

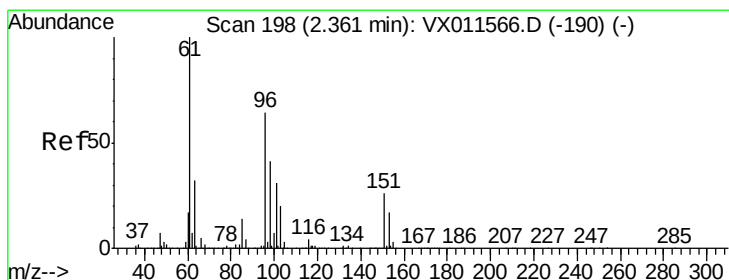
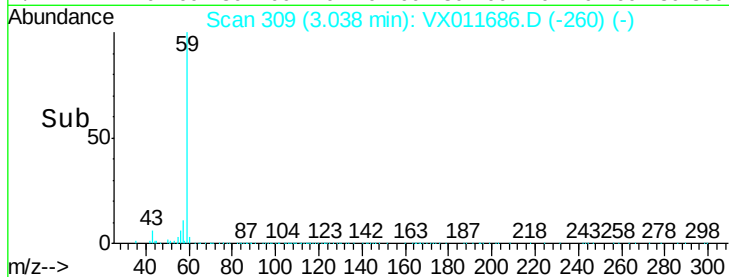
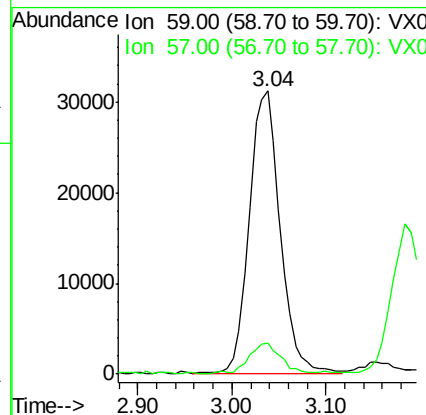
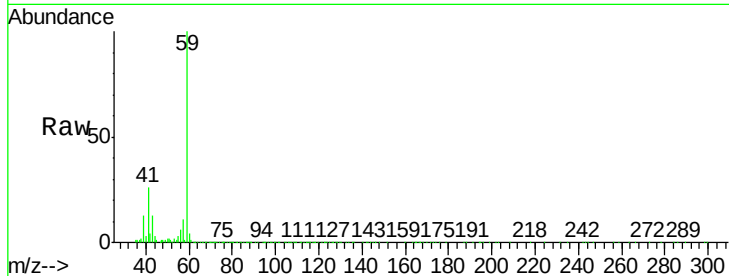
Tert butyl alcohol
 Concen: 97.571 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.7	13.1

Manual Integrations
 APPROVED

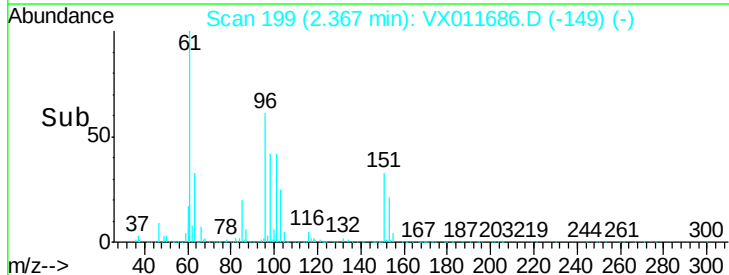
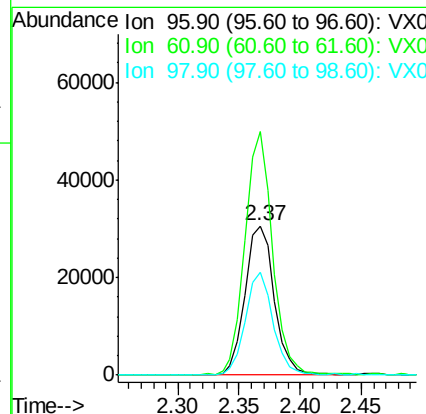
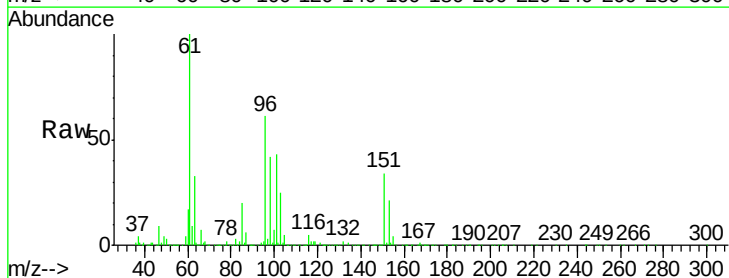
MMDadoda
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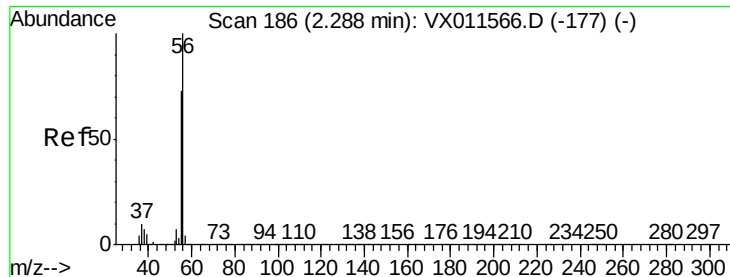


#12

1,1-Dichloroethene
 Concen: 18.697 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	125.0	187.4
98	68.9	51.5	77.3





#13

Acrolein

Concen: 116.842 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 56 Resp: 24722

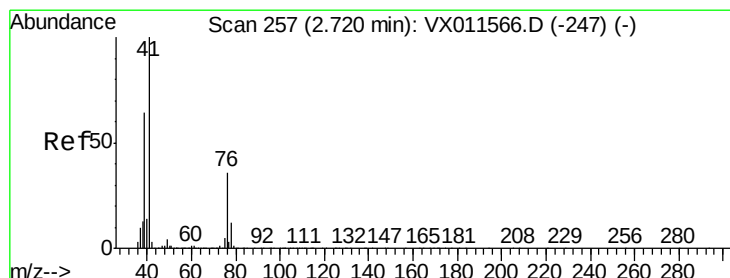
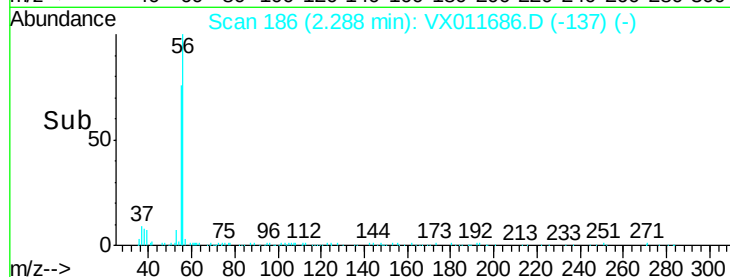
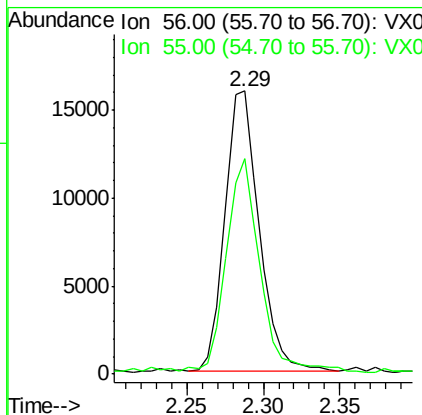
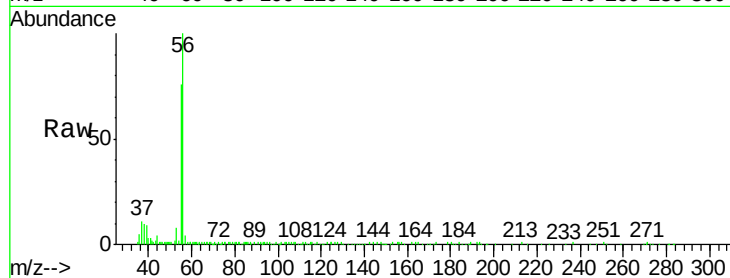
Ion Ratio Lower Upper

56 100

55 75.5 55.5 83.3

Manual Integrations
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#14

Allyl chloride

Concen: 18.027 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

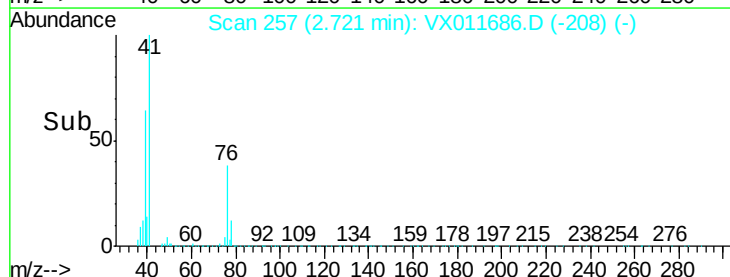
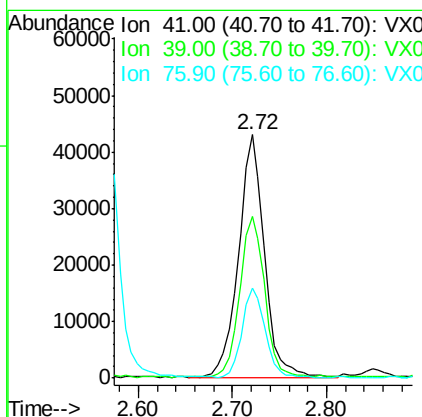
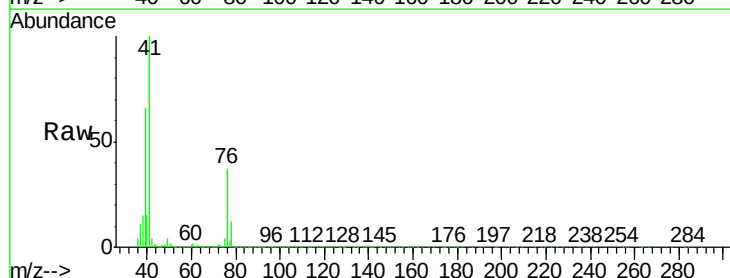
Tgt Ion: 41 Resp: 82073

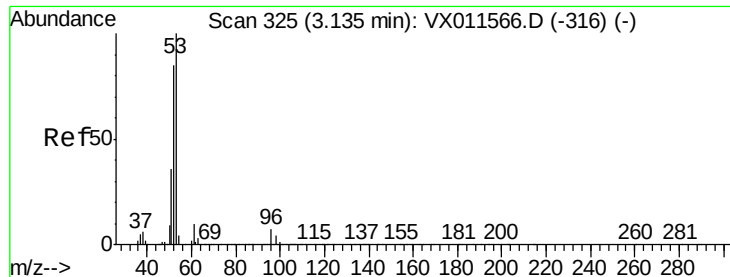
Ion Ratio Lower Upper

41 100

39 63.4 47.5 71.3

76 32.7 26.3 39.5





#15

Acrylonitrile

Concen: 97.134 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

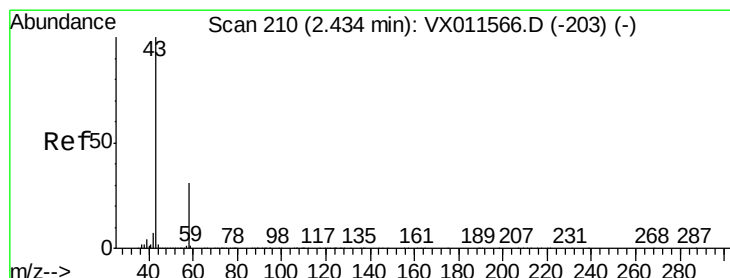
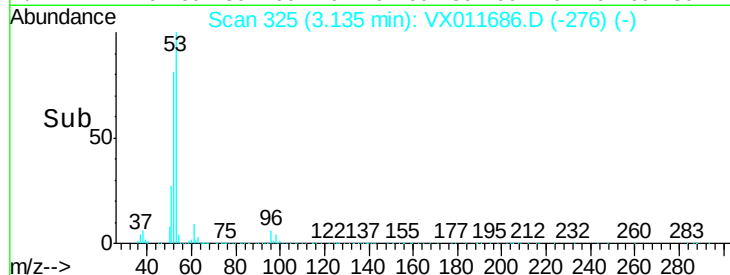
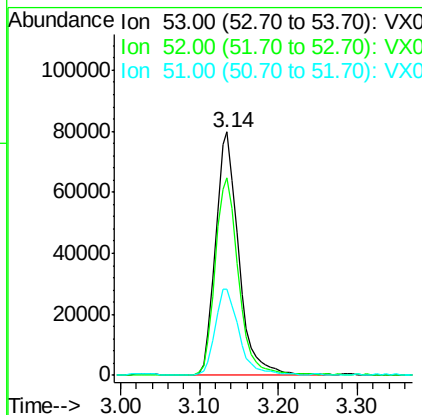
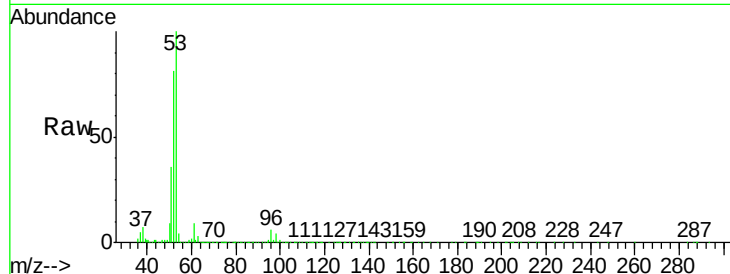
ClientSampleId :

VX0820WBSD01

Tot Ion:	53	Resp:	162348
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	36.4	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 92.505 ug/l

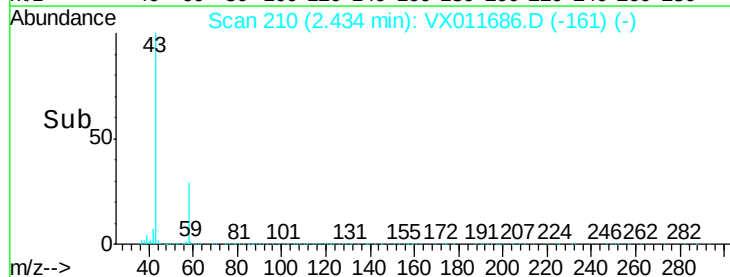
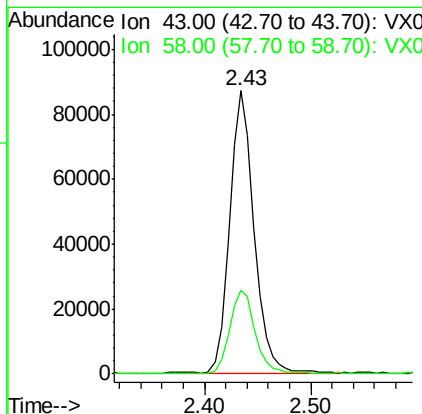
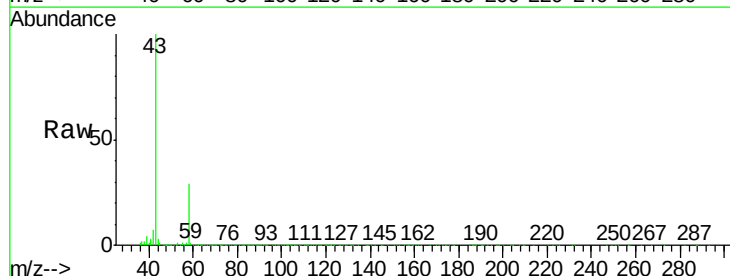
RT: 2.43 min Scan# 210

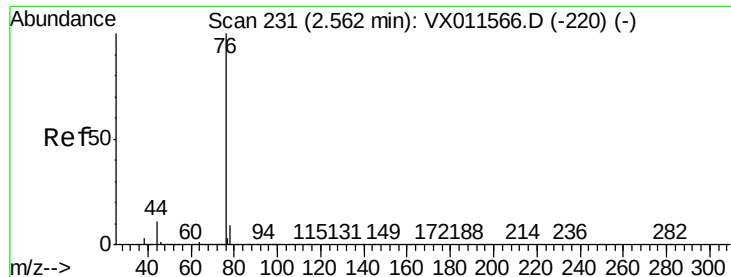
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	43	Resp:	138458
Ion	Ratio	Lower	Upper
43	100		
58	29.4	25.2	37.8





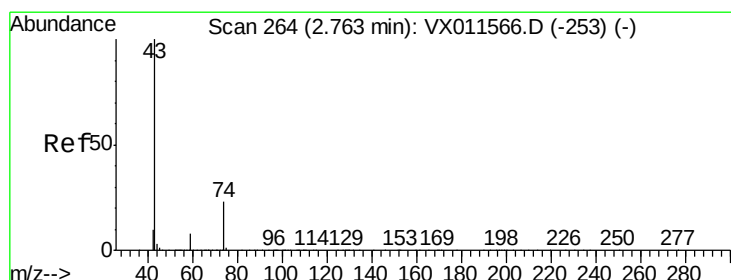
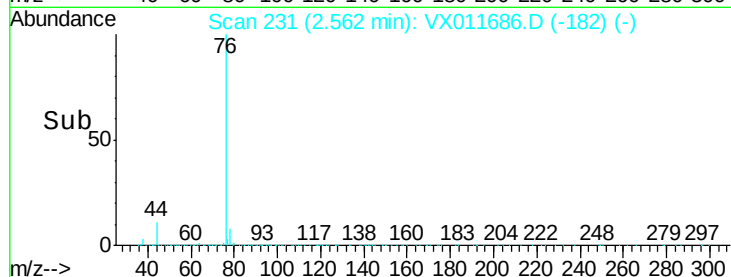
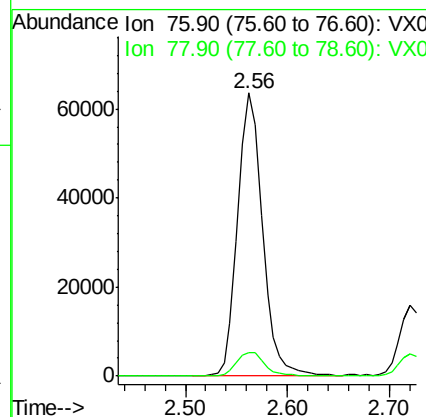
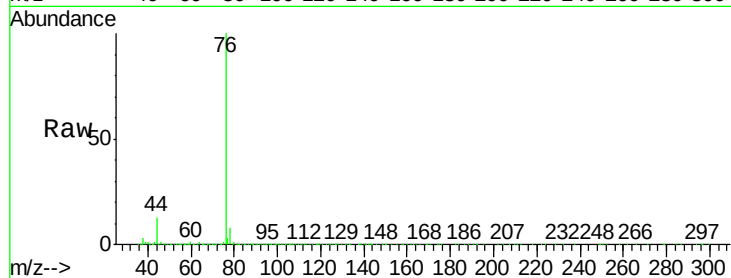
#17
Carbon Disulfide
Concen: 16.651 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.2	10.8

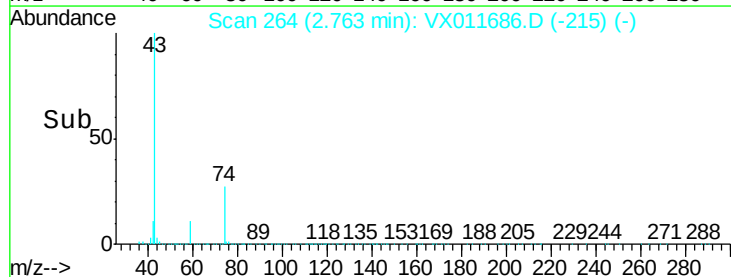
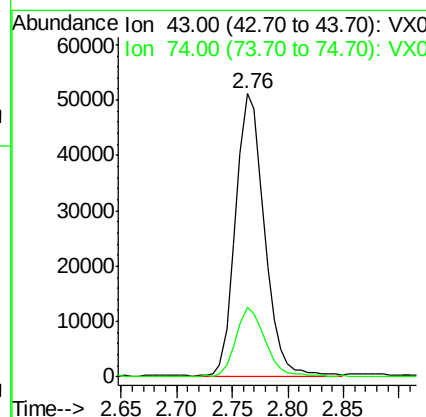
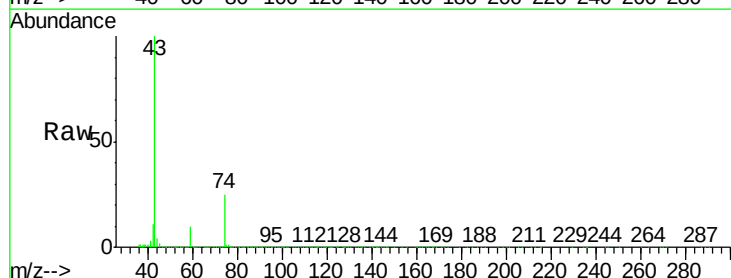
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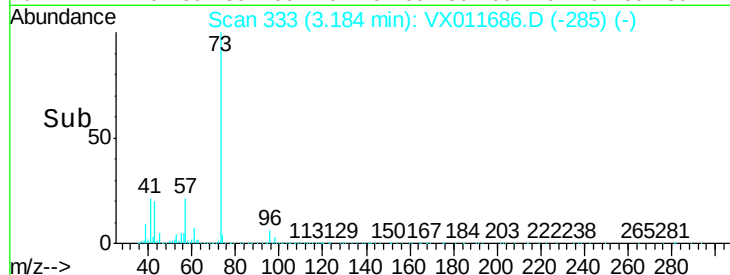
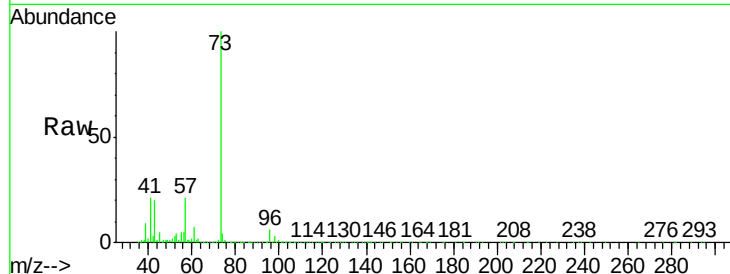
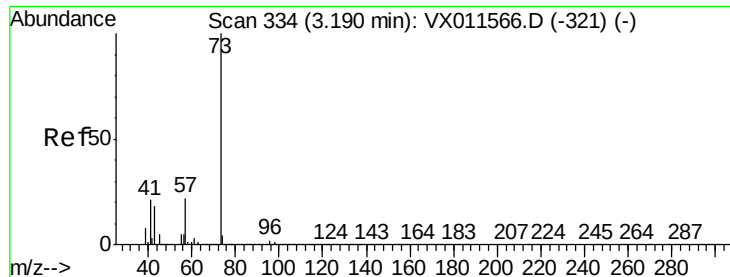
MMDadoda
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#18
Methyl Acetate
Concen: 19.691 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.7	29.5





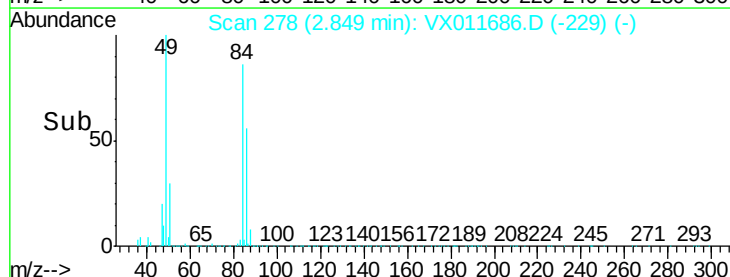
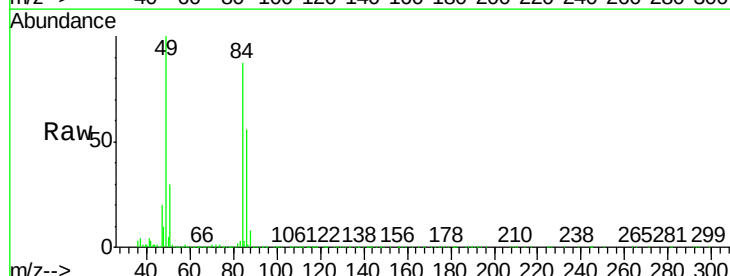
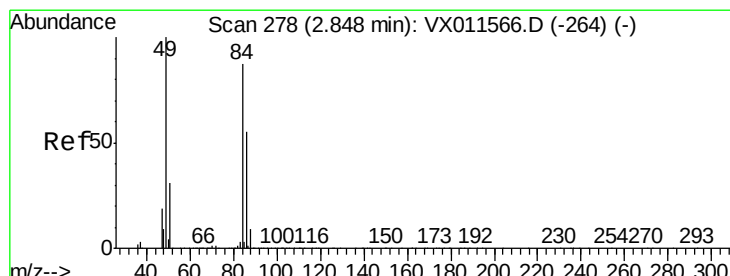
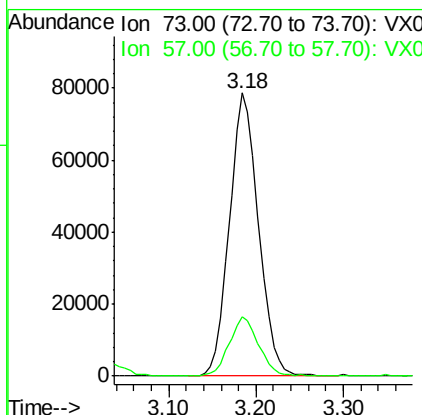
#19
Methyl tert-butyl Ether
Concen: 20.246 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.2	25.8

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

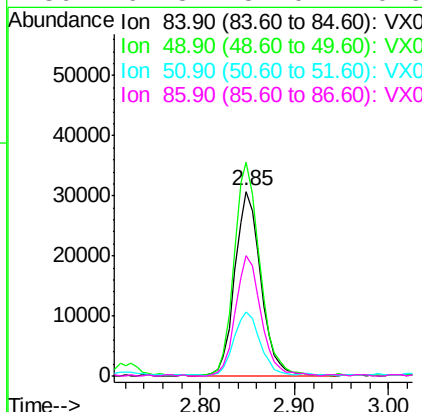
Manual Integrations
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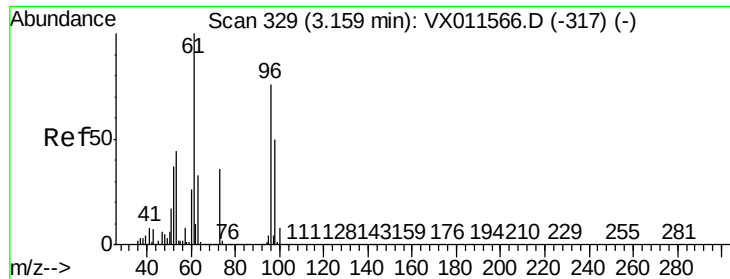
MMDadoda
8/21/2019 8:33:19 AM



#20
Methylene Chloride
Concen: 18.688 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.0	92.4	138.6
51	34.8	28.5	42.7
86	64.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.939 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 96 Resp: 54930

Ion Ratio Lower Upper

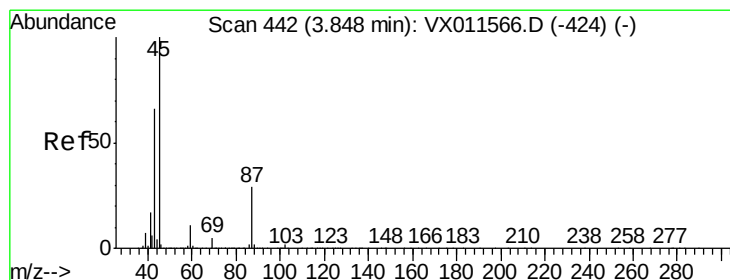
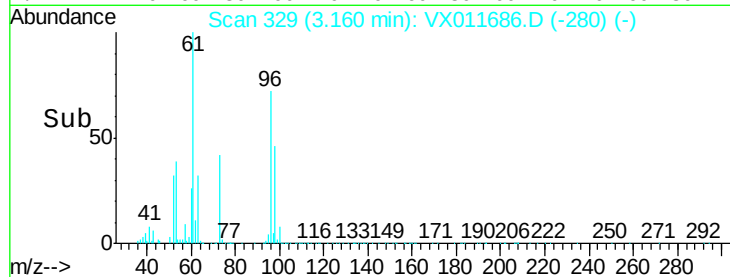
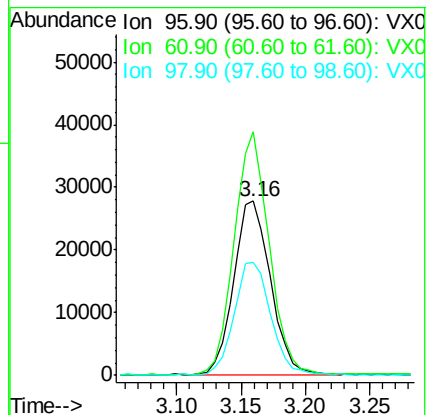
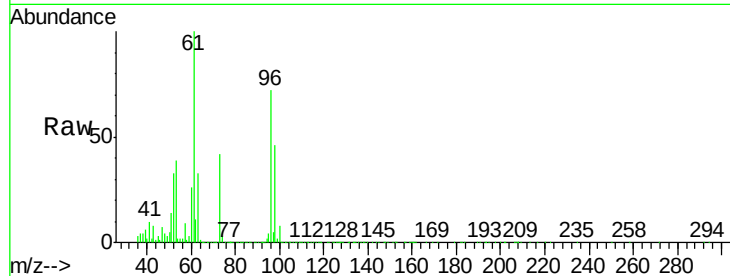
96 100

61 139.8 105.5 158.3

98 64.3 52.6 78.8

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#22

Diisopropyl ether

Concen: 19.022 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion: 45 Resp: 172469

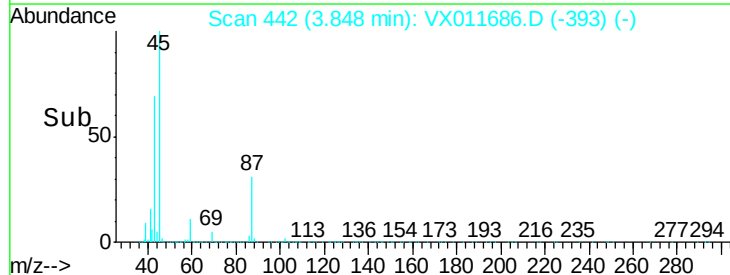
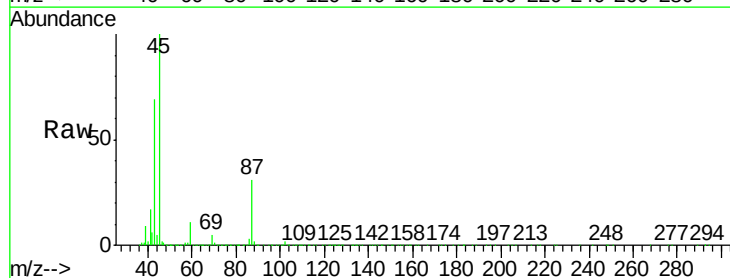
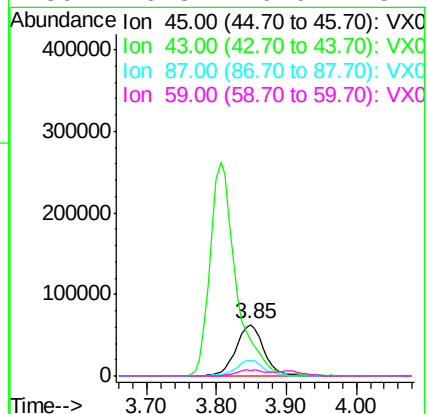
Ion Ratio Lower Upper

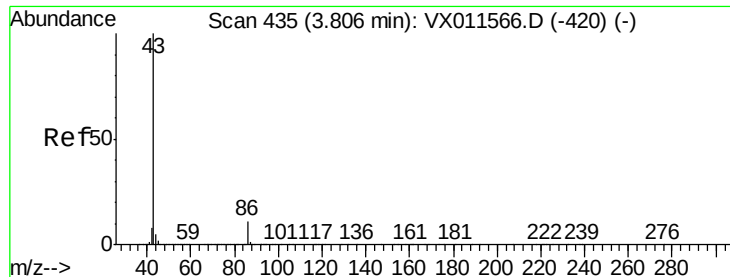
45 100

43 68.3 52.7 79.1

87 30.8 23.5 35.3

59 10.8 9.0 13.4





#23

Vinyl Acetate

Concen: 94.735 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011686.D

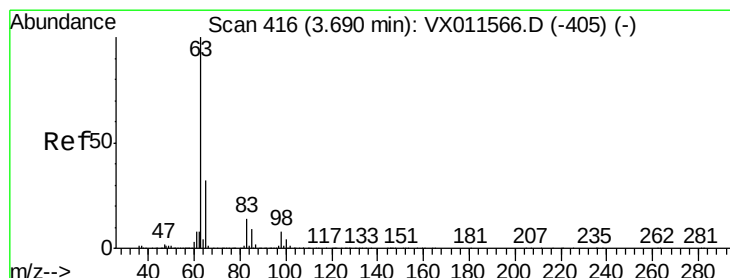
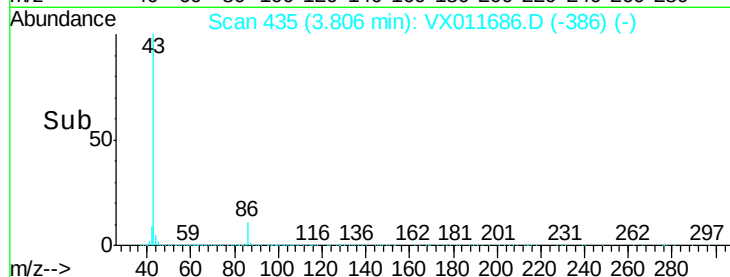
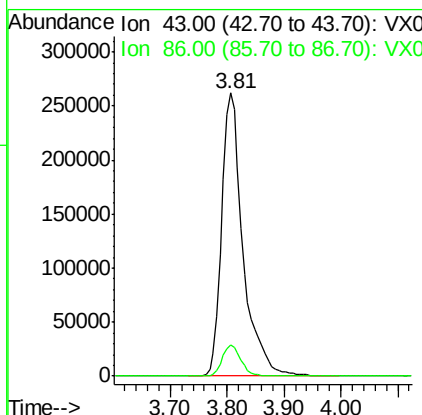
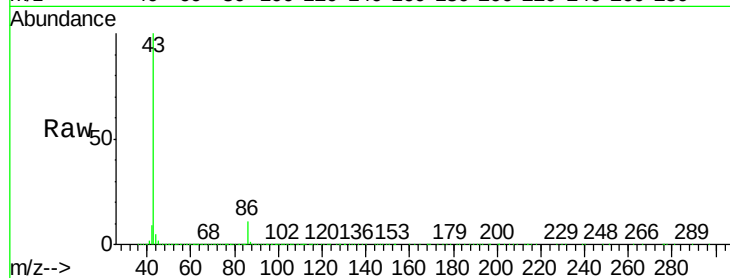
Acq: 20 Aug 2019 15:48

Tot Ion:	43	Resp:	680182
Ion Ratio	Lower	Upper	
43	100		
86	11.2	8.6	13.0

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 18.887 ug/l

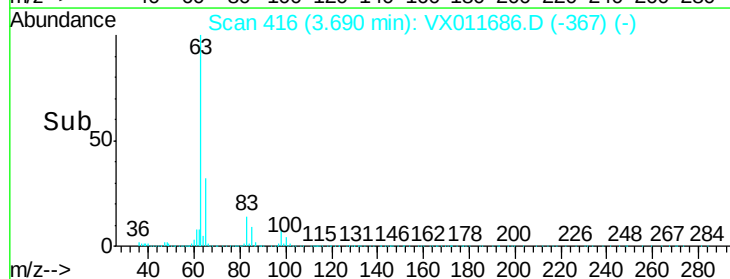
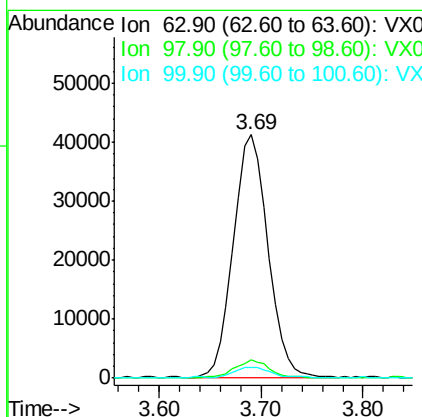
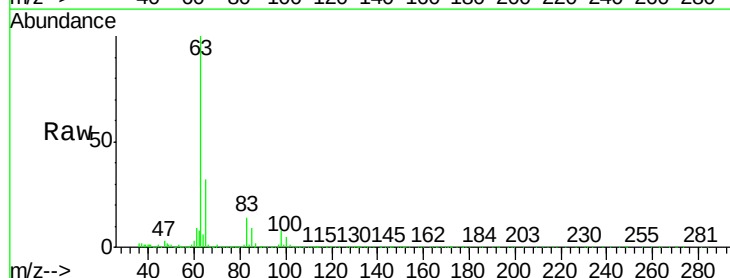
RT: 3.69 min Scan# 416

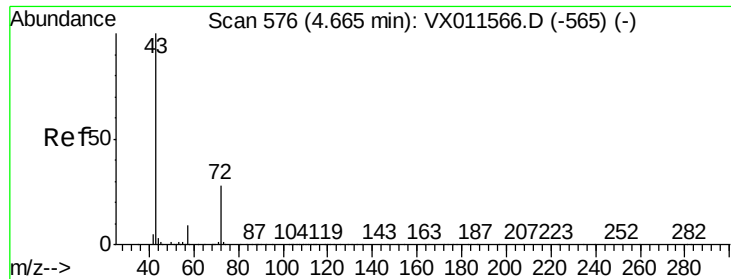
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	63	Resp:	96819
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.7	11.1
100	4.6	2.1	6.3





#25

2-Butanone

Concen: 97.992 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 43 Resp: 230260

Ion Ratio Lower Upper

43 100

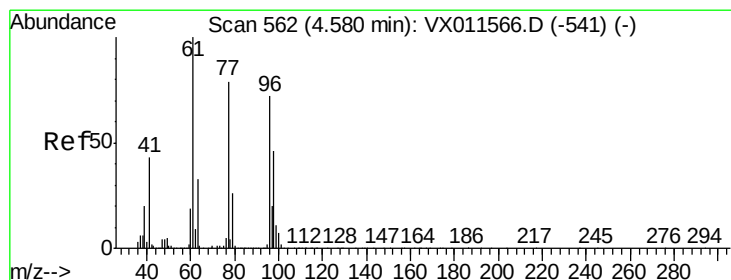
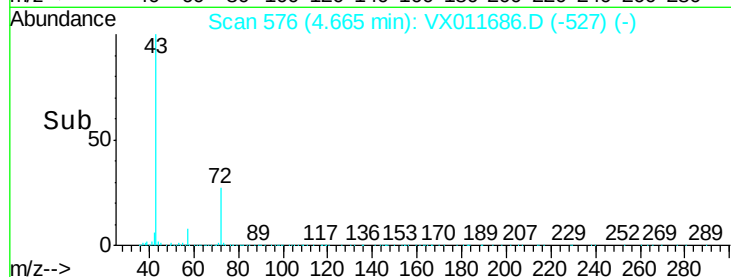
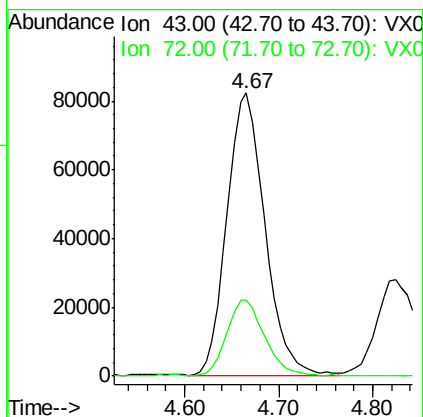
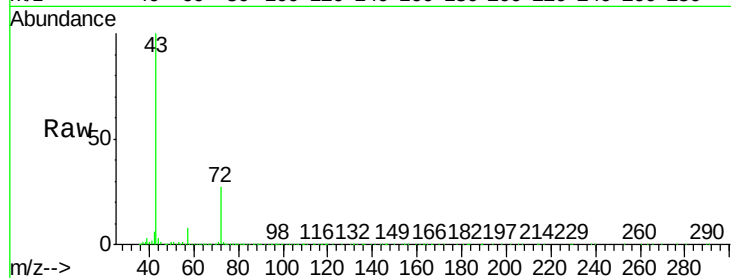
72 26.8 22.2 33.4

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#26

2,2-Dichloropropane

Concen: 18.150 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011686.D

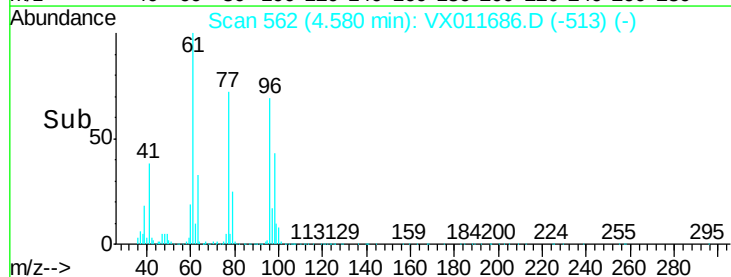
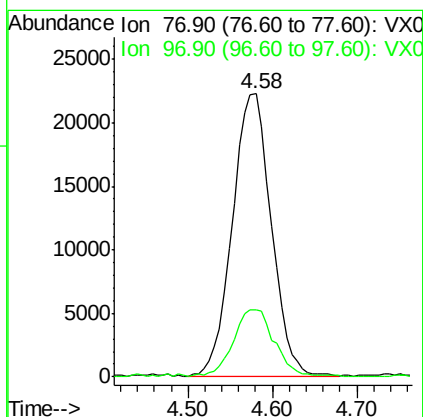
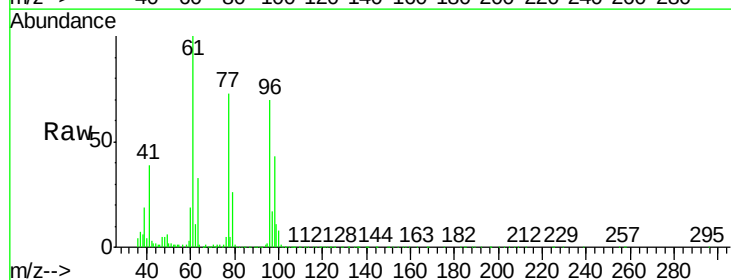
Acq: 20 Aug 2019 15:48

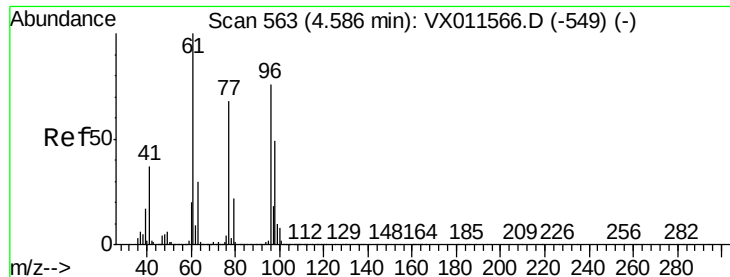
Tgt Ion: 77 Resp: 70028

Ion Ratio Lower Upper

77 100

97 25.0 12.4 37.2





#27

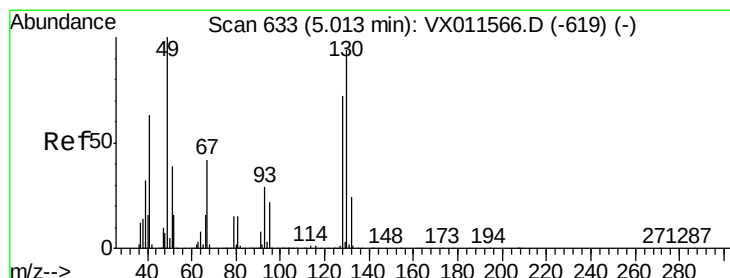
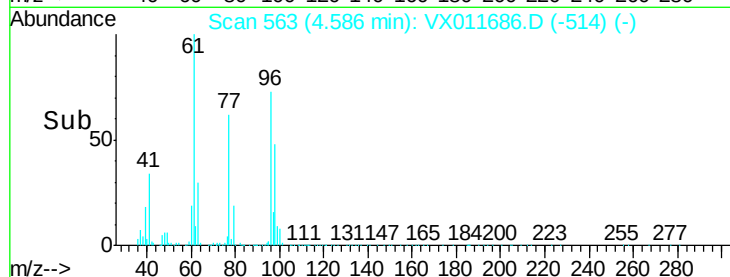
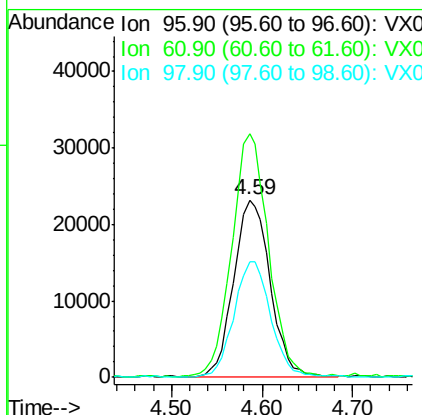
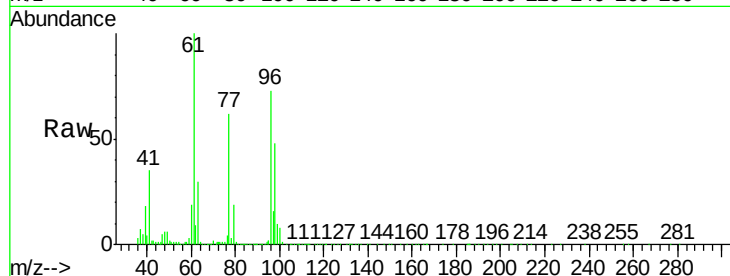
cis-1,2-Dichloroethene
Concen: 18.881 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	272.6
98	66.9	0.0	129.4

Manual Integrations
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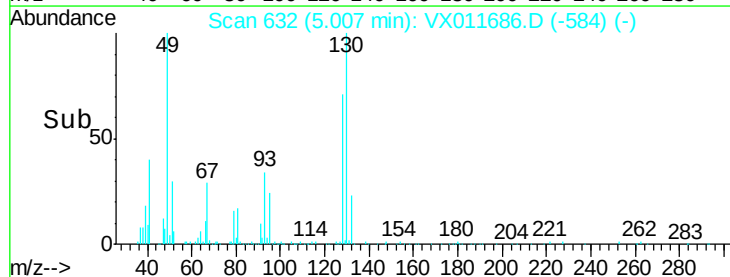
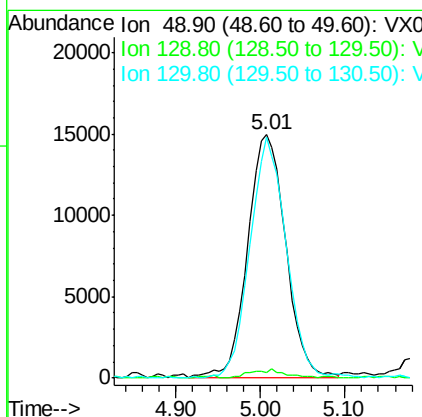
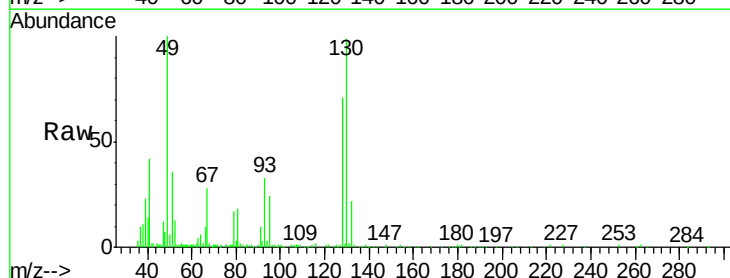
MMDadoda
8/21/2019 8:33:19 AM

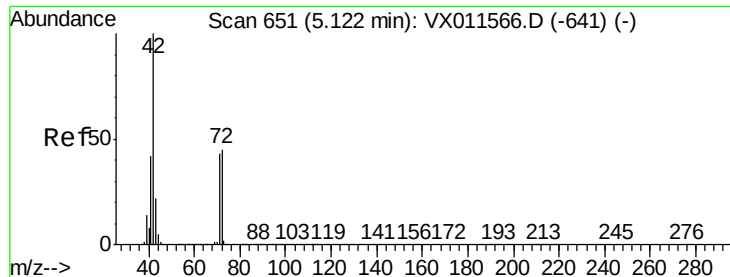


#28

Bromochloromethane
Concen: 20.565 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	5.0
130	93.4	76.6	115.0





#29

Tetrahydrofuran

Concen: 95.886 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

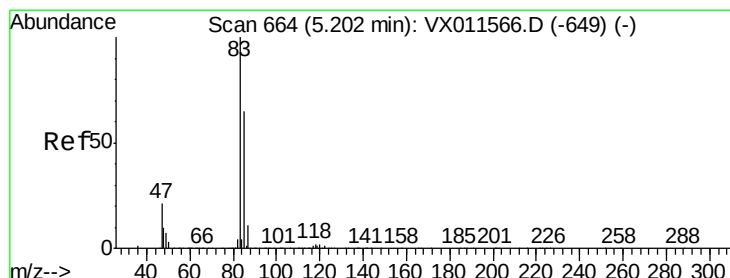
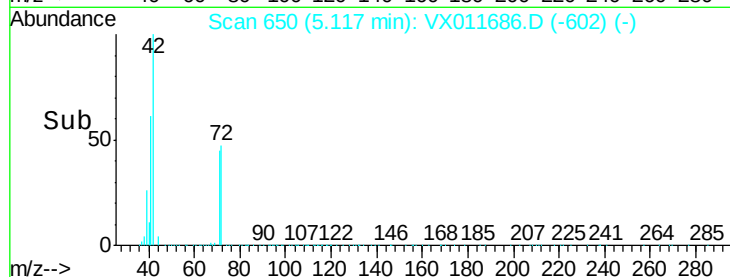
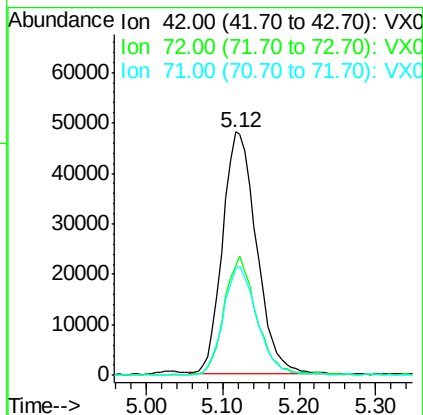
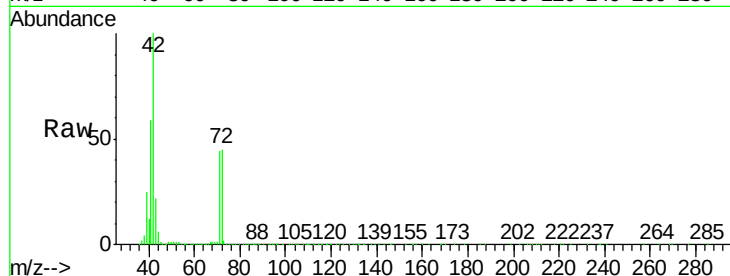
ClientSampleId :

VX0820WBSD01

Tot Ion:	42	Resp:	147798
Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.1	54.1
71	44.3	33.8	50.8

Manual Integrations
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8/21/2019 8:33:19 AM



#30

Chloroform

Concen: 20.121 ug/l

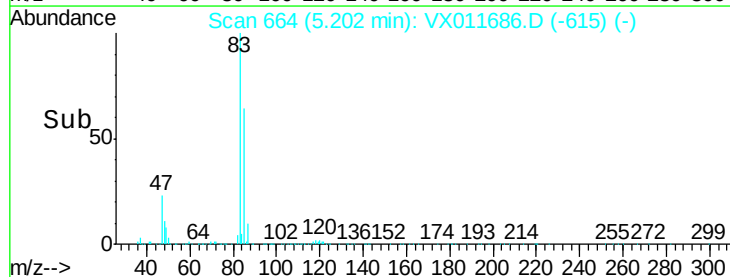
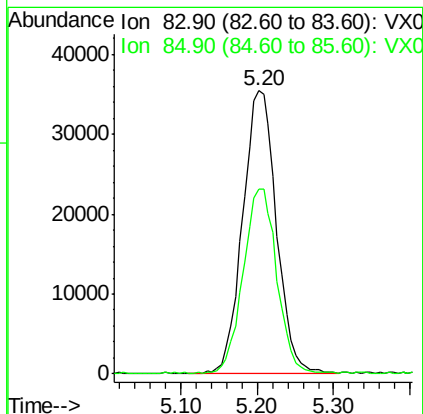
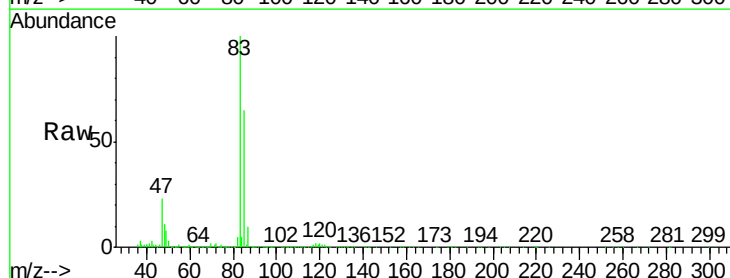
RT: 5.20 min Scan# 664

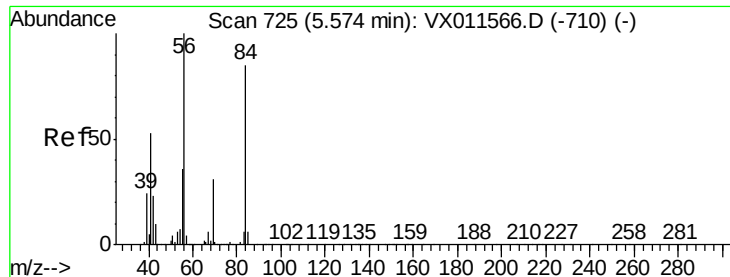
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	83	Resp:	108858
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.9	77.9





#31

Cyclohexane

Concen: 19.120 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

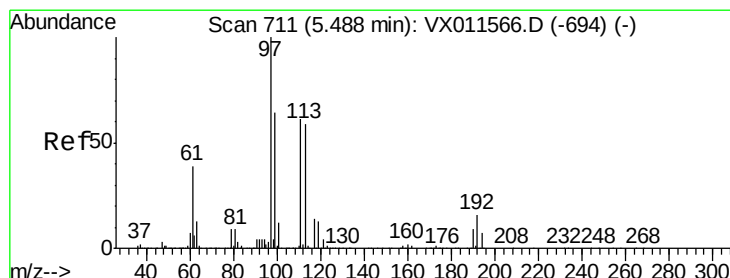
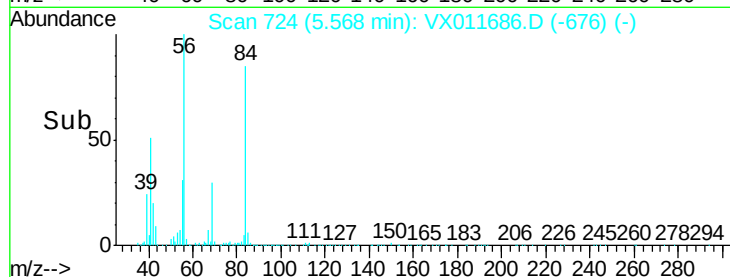
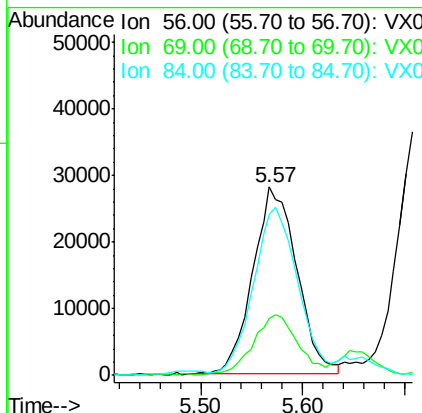
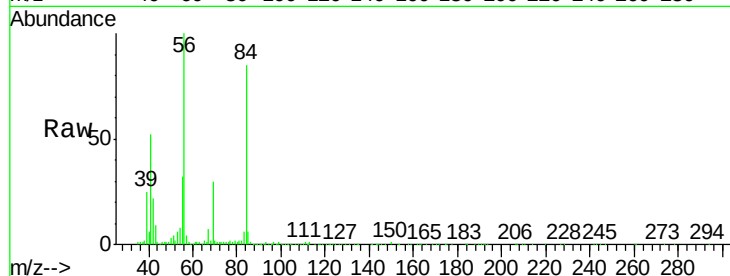
ClientSampleId :

VX0820WBSD01

Tot Ion:	56	Resp:	84389
Ion Ratio	Lower	Upper	
56	100		
69	29.4	24.8	37.2
84	83.7	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.973 ug/l

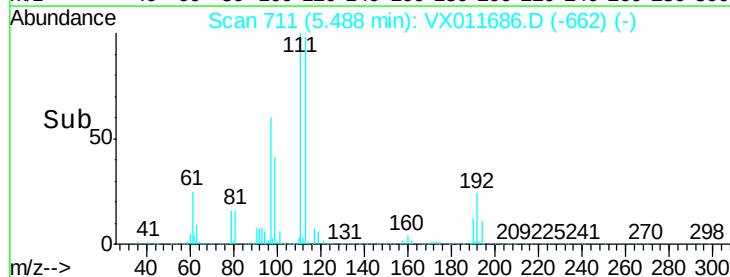
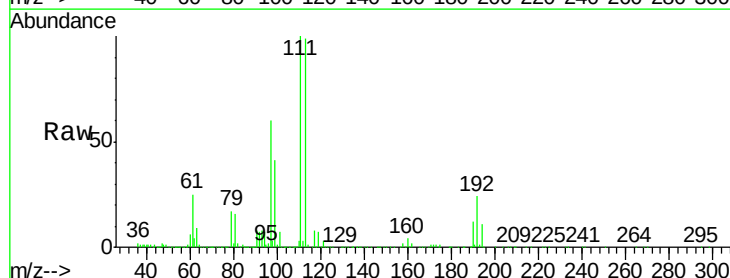
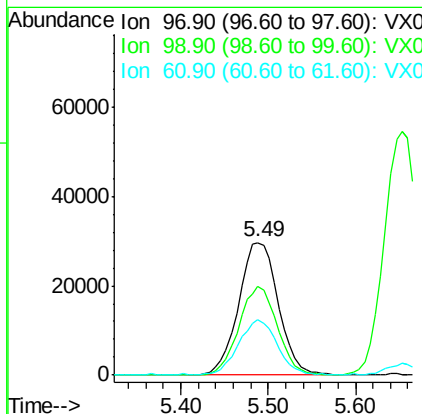
RT: 5.49 min Scan# 711

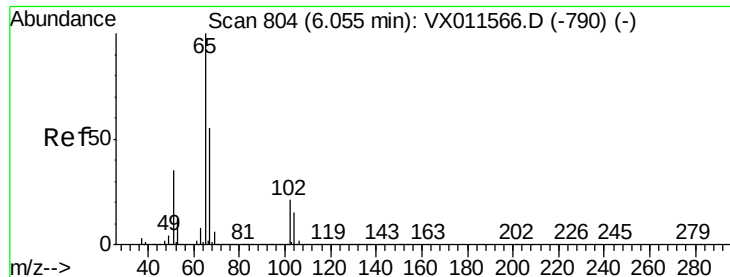
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	97	Resp:	92911
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.4	77.0
61	39.9	31.4	47.2





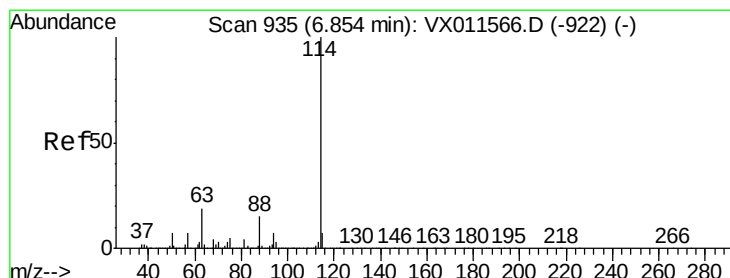
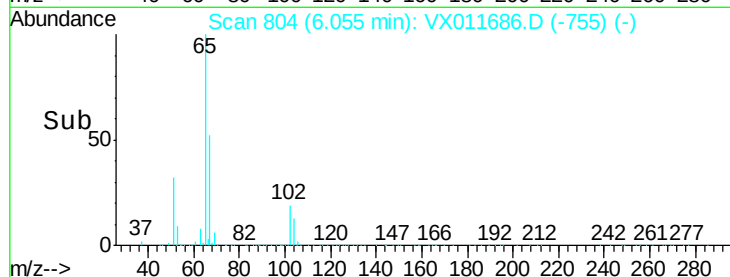
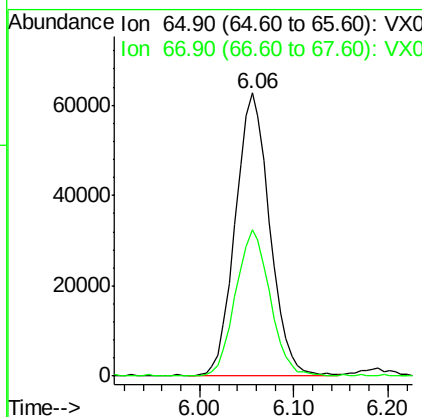
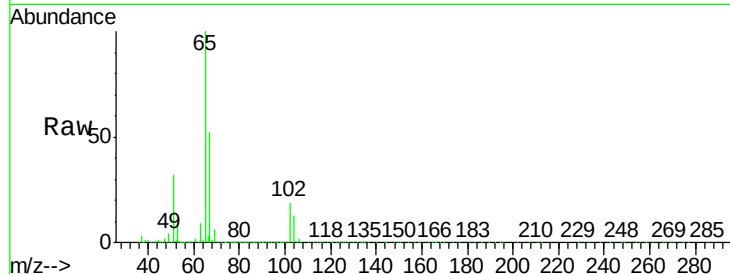
#33
 1,2-Dichloroethane-d4
 Concen: 53.456 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Instrument :
 MSVOA_X
 ClientSampled :
 VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	159123		
67	51.8	0.0	107.6	

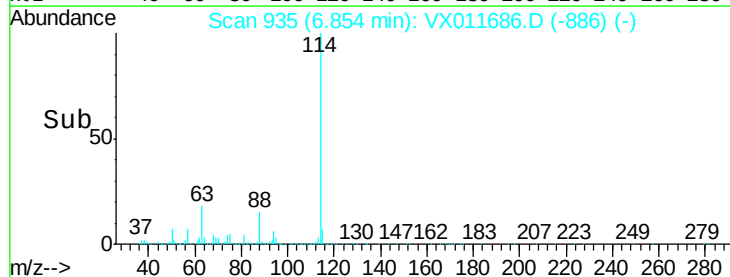
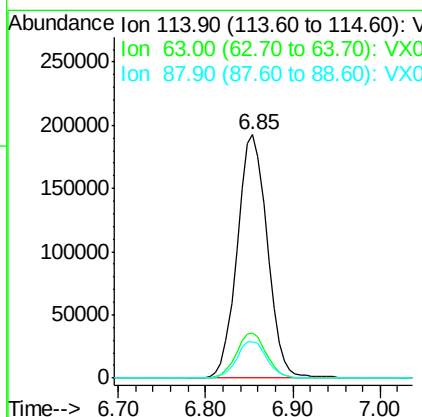
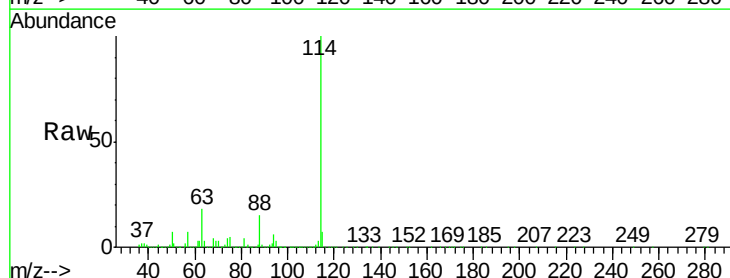
Manual Integrations
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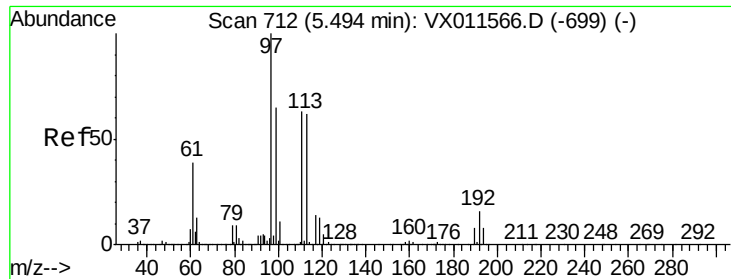
MMDadoda
 8/21/2019 8:33:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	460781		
63	18.3	0.0	37.8	
88	14.8	0.0	30.2	





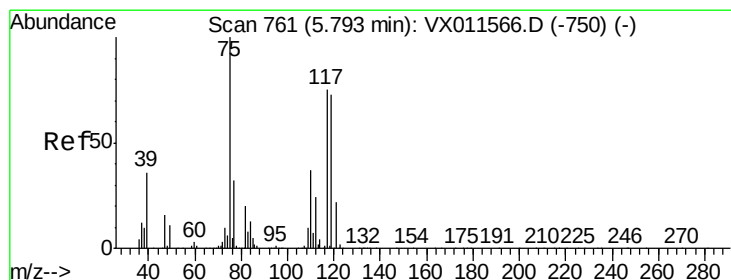
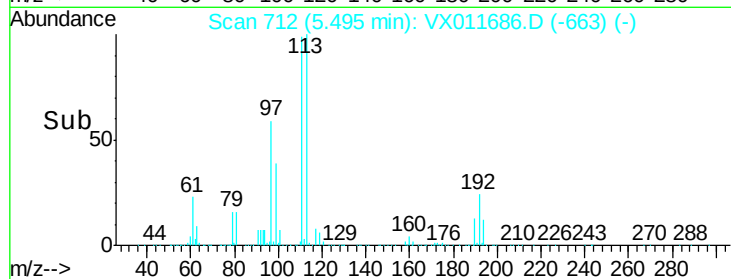
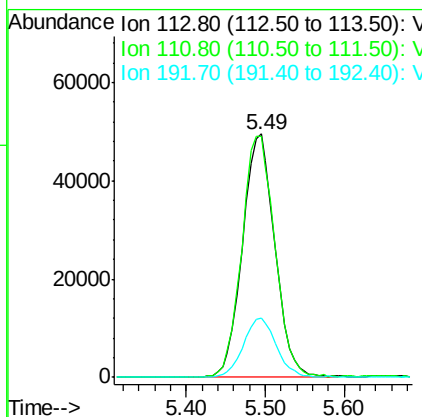
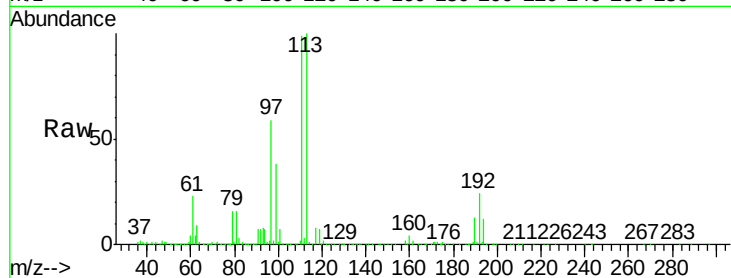
#35
 Dibromofluoromethane
 Concen: 46.998 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141643		
111	100.7	81.1	121.7	
192	24.6	20.8	31.2	

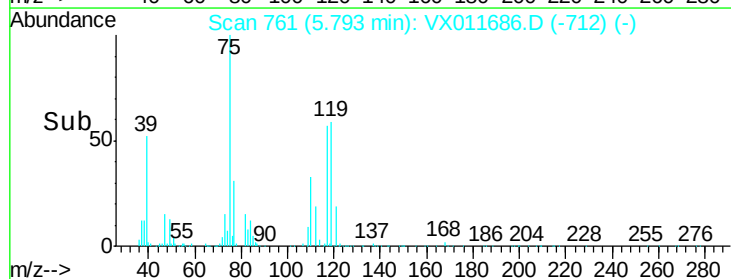
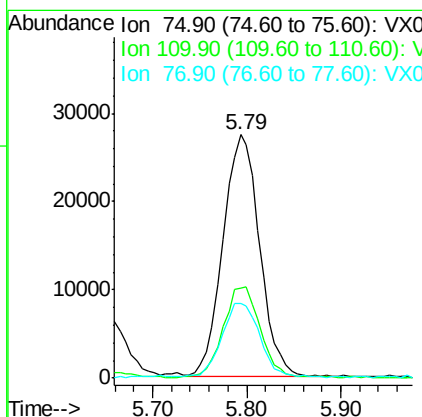
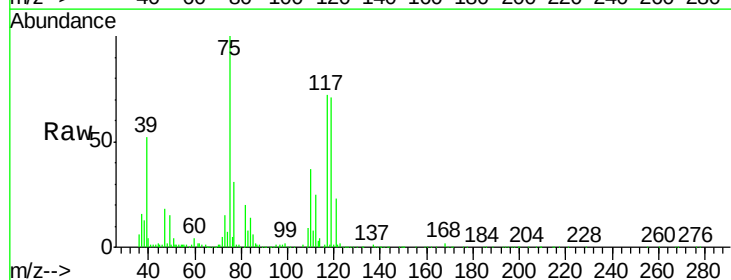
Manual Integrations
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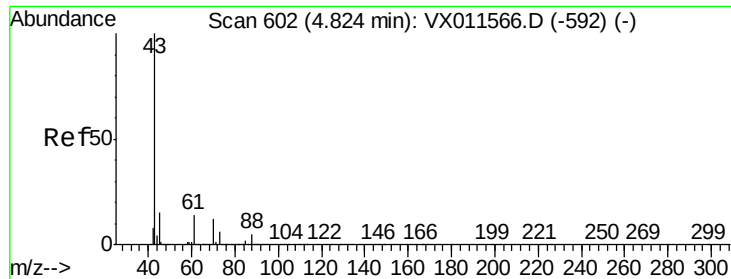
MMDadoda
 8/21/2019 8:33:19 AM



#36
 1,1-Dichloropropene
 Concen: 18.833 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74195		
110	37.6	19.4	58.1	
77	31.7	25.1	37.7	





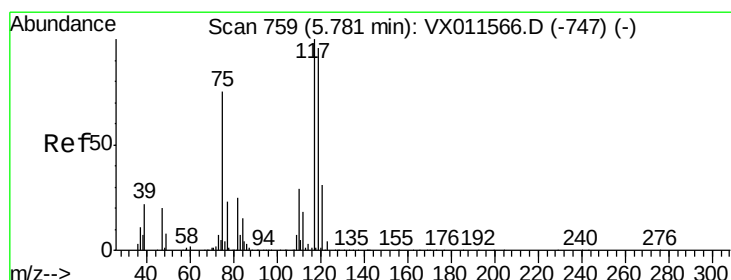
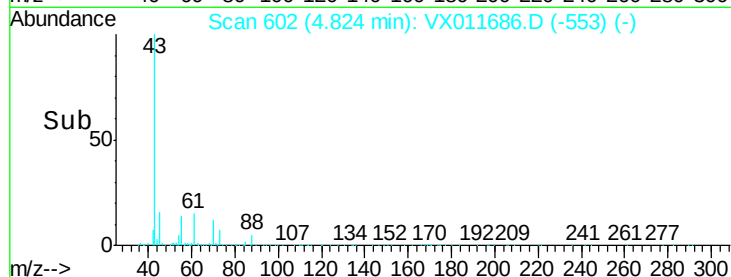
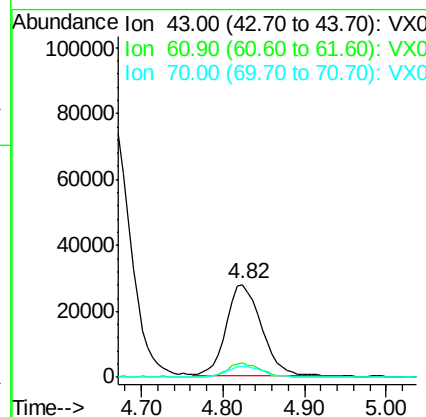
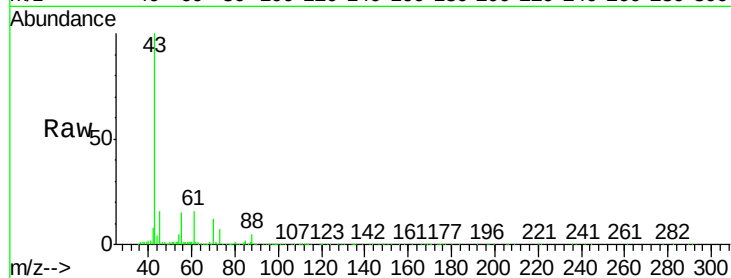
#37
Ethyl Acetate
Concen: 18.389 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	11.4	9.0	13.6

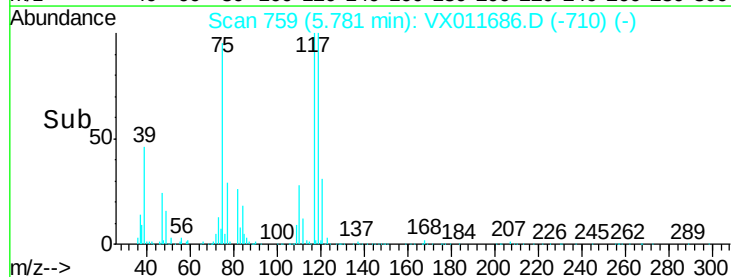
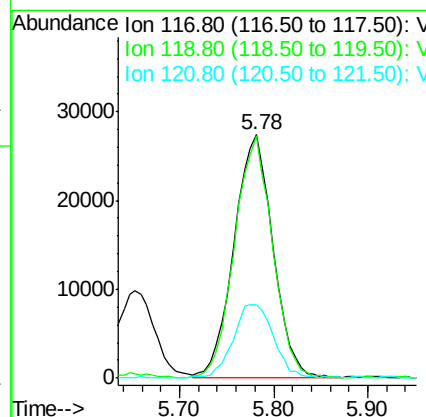
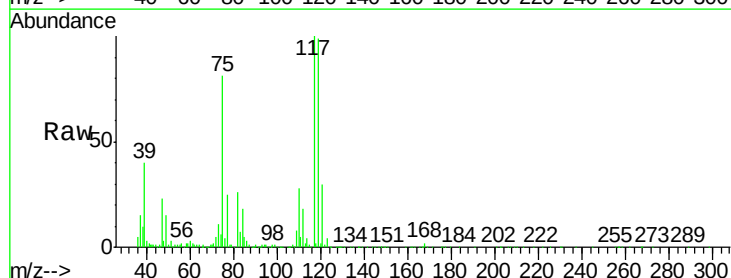
Manual Integrations
APPROVED

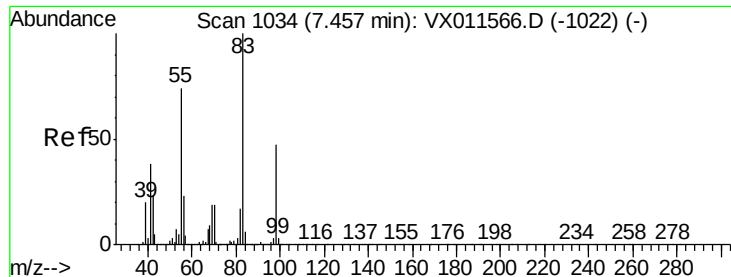
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.150 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.9	115.3
121	30.3	24.8	37.2





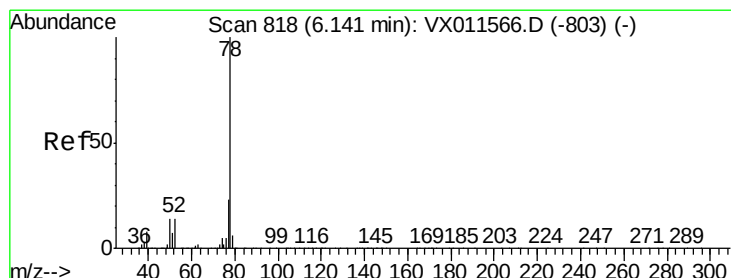
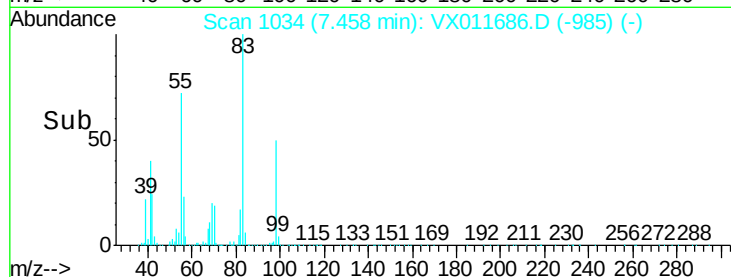
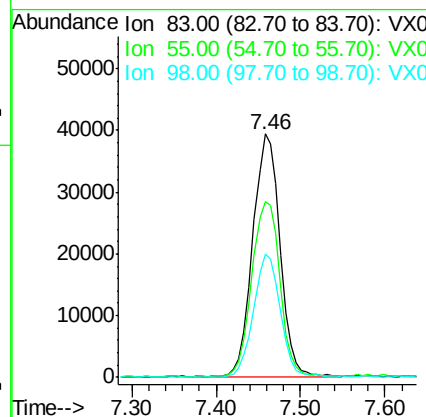
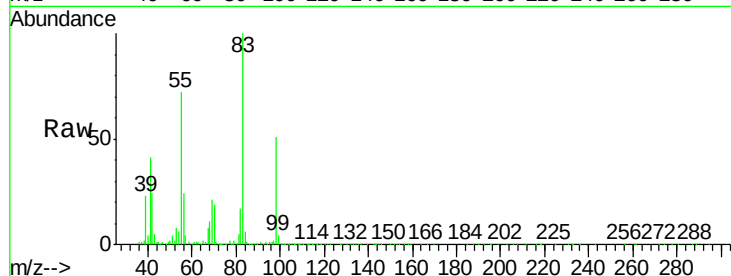
#39
Methylvlcyclohexane
Concen: 17.736 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	58.8	88.2
98	50.4	37.8	56.6

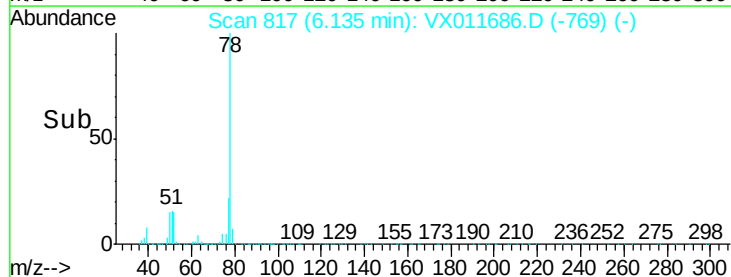
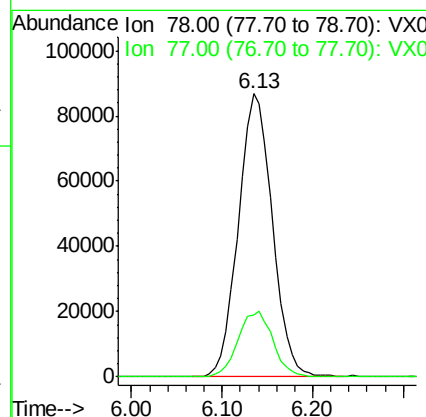
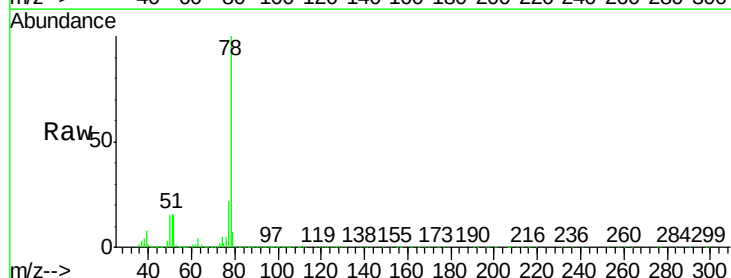
Manual Integrations
APPROVED

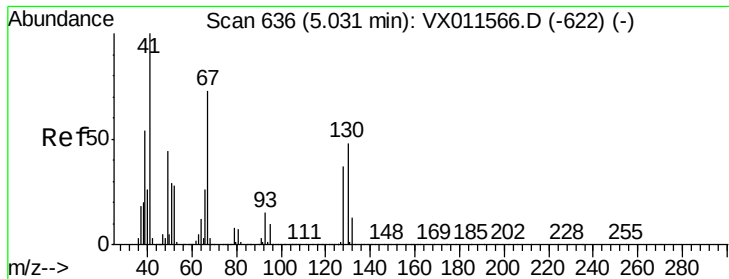
MMDadoda
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#40
Benzene
Concen: 18.329 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.6	28.0





#41

Methacrylonitrile

Concen: 18.712 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

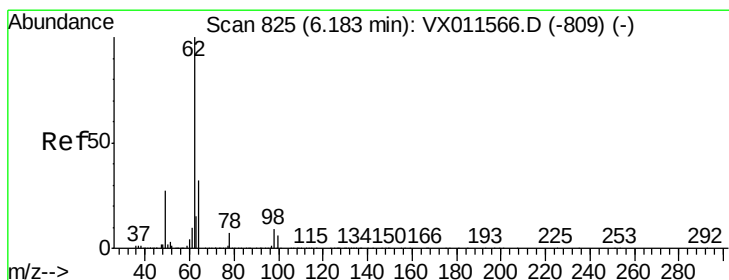
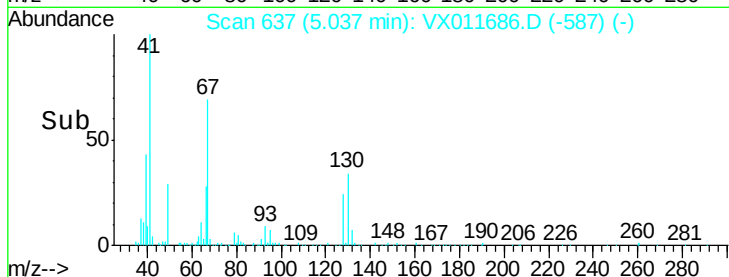
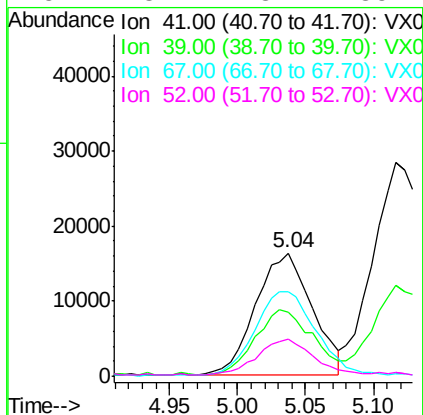
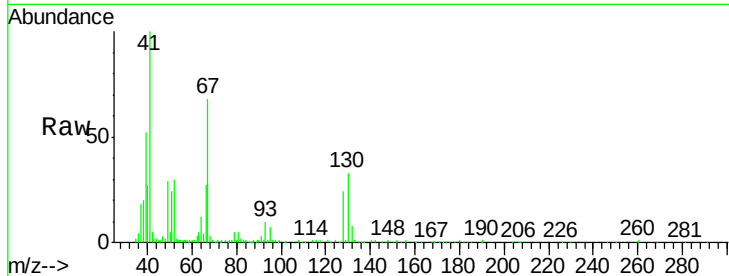
ClientSampleId :

VX0820WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		46666		
39	55.5	43.5	65.3		
67	74.8	59.4	89.2		
52	28.7	23.4	35.2		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.317 ug/l

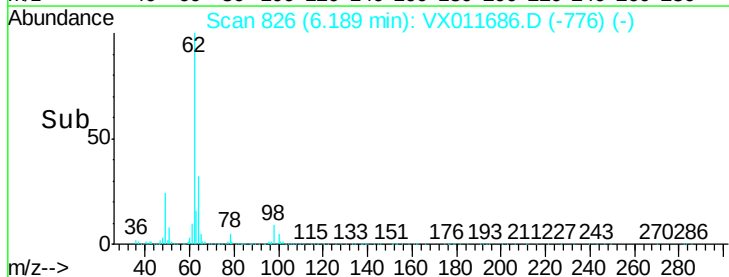
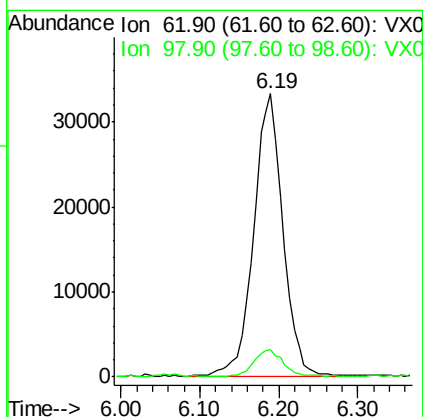
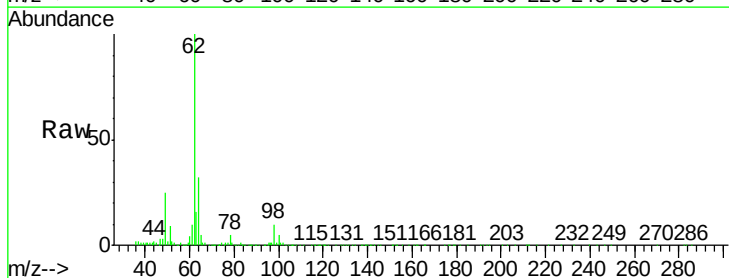
RT: 6.19 min Scan# 826

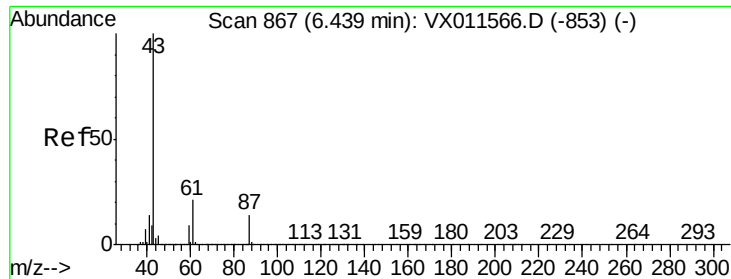
Delta R.T. 0.01 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		86176		
98	9.4	0.0	19.4		





#43

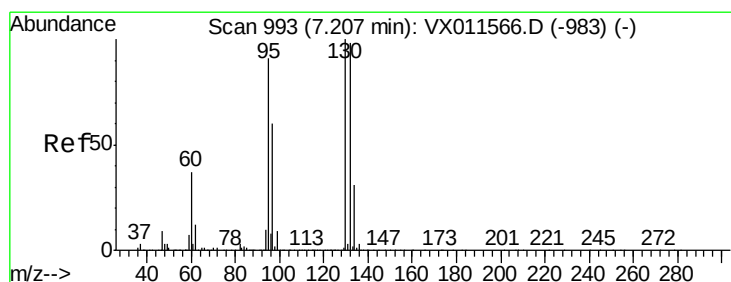
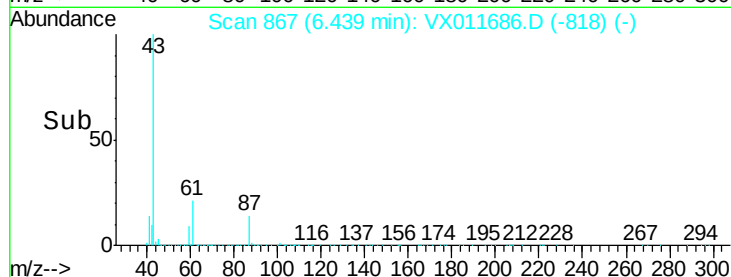
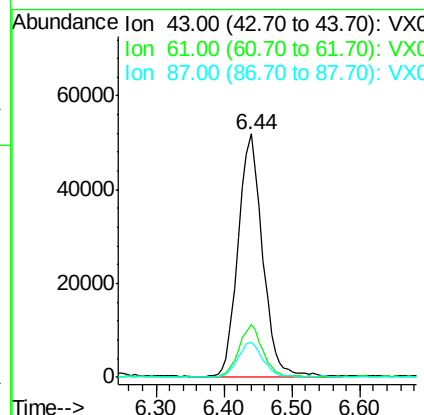
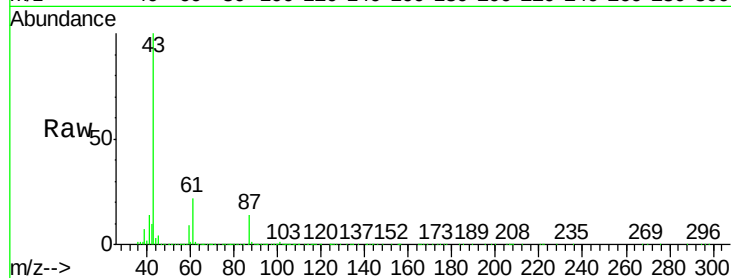
Isopropyl Acetate
 Concen: 18.174 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.6	24.8
87	14.4	11.4	17.2

Manual Integrations
 APPROVED

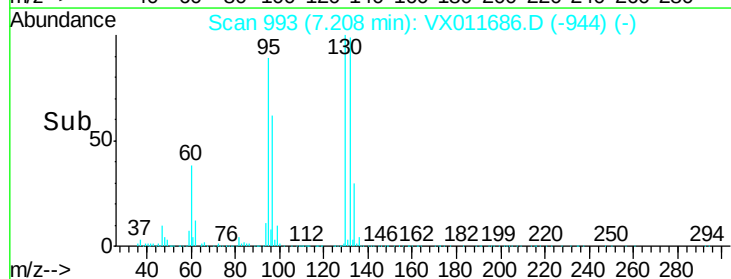
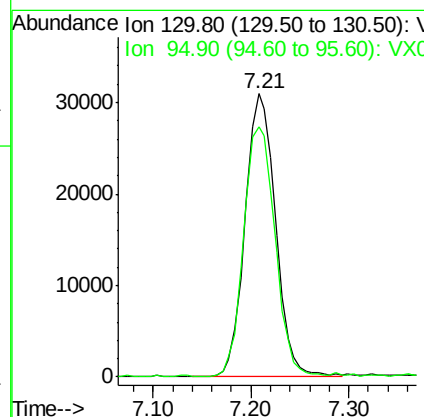
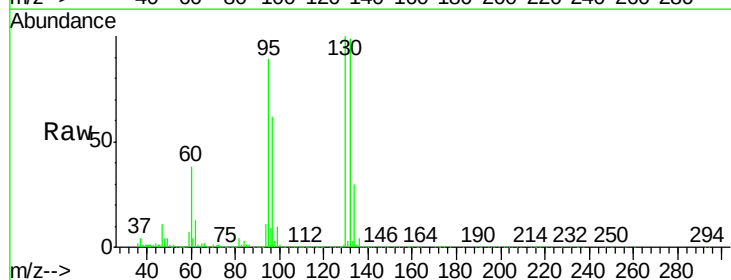
MMDadoda
 8/21/2019 8:33:19 AM

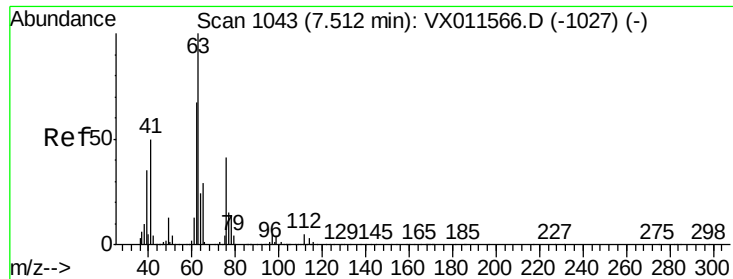


#44

Trichloroethene
 Concen: 18.520 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	181.4





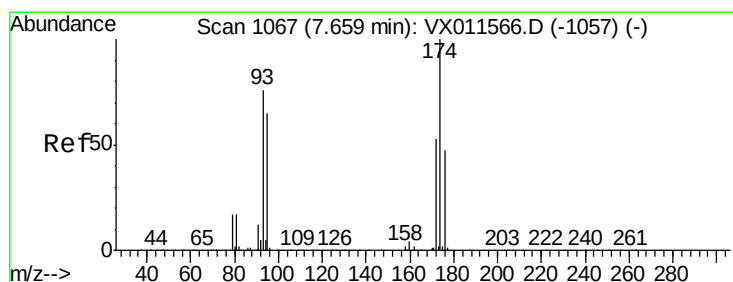
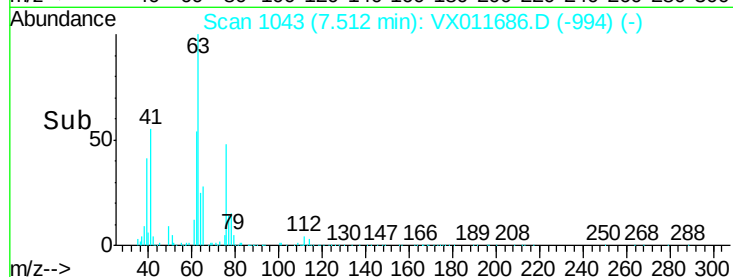
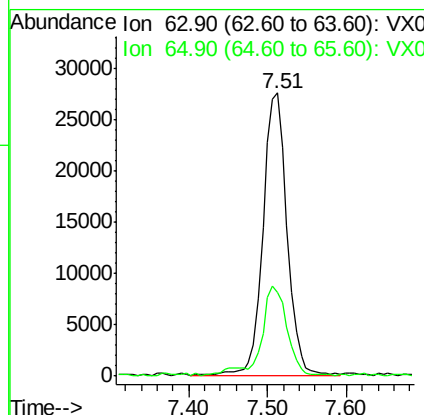
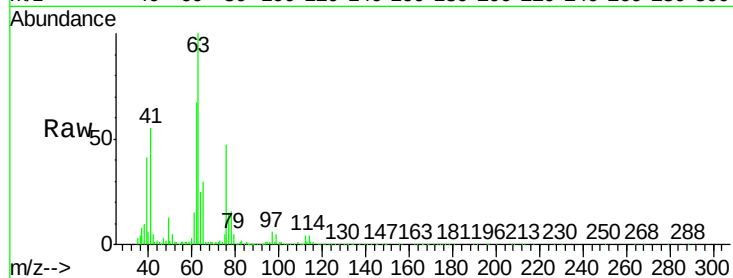
#45
 1,2-Dichloropropane
 Concen: 19.068 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	23.4	35.2

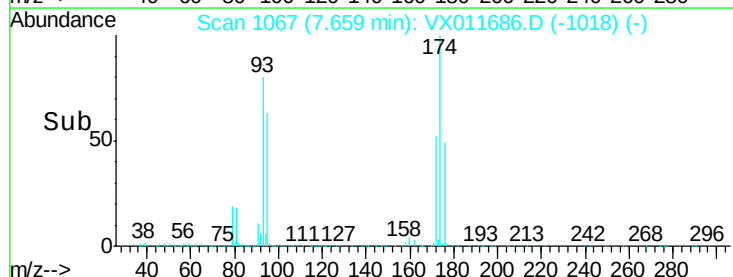
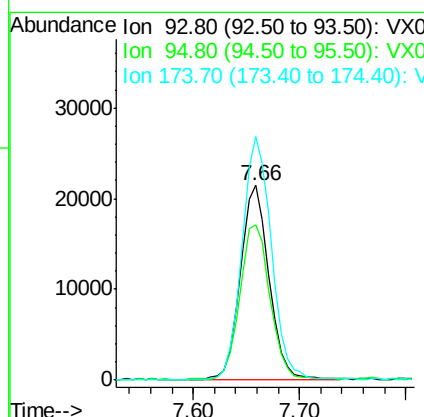
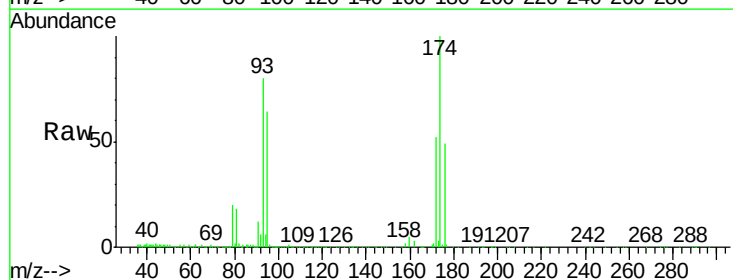
Manual Integrations
 APPROVED

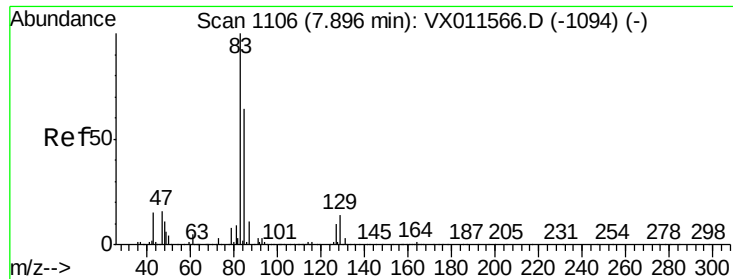
MMDadoda
 8/21/2019 8:33:19 AM



#46
 Dibromomethane
 Concen: 18.476 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.2	100.8
174	127.6	105.5	158.3





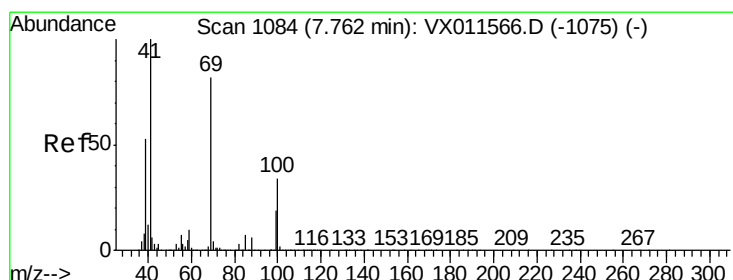
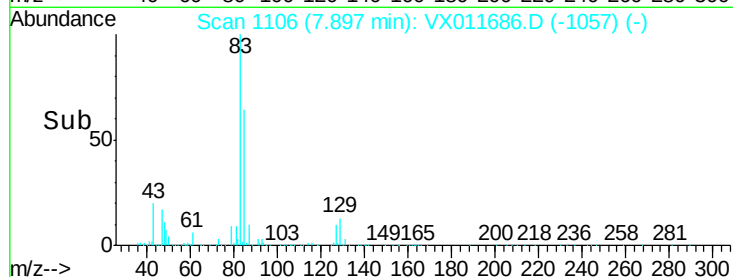
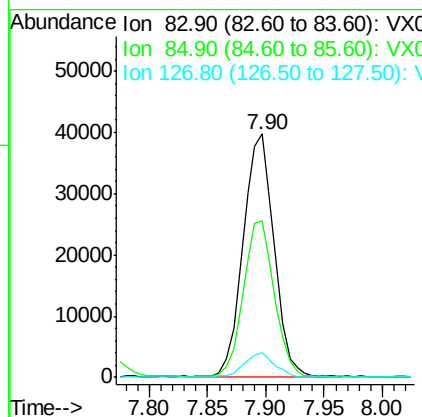
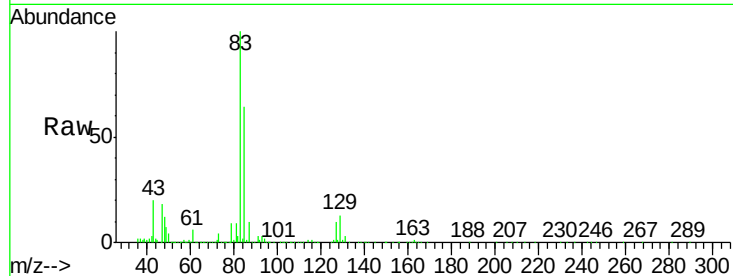
#47
Bromodichloromethane
Concen: 18.171 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	83	Resp	74027
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	51.2	76.8
127	9.9	8.1	12.1

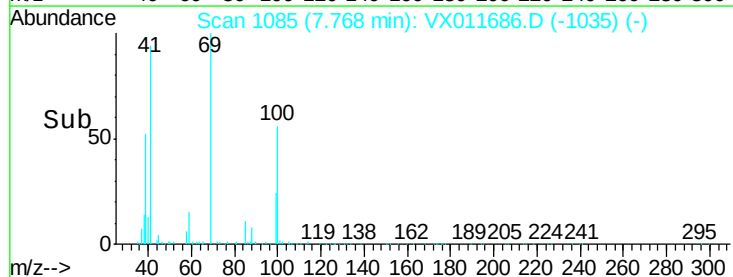
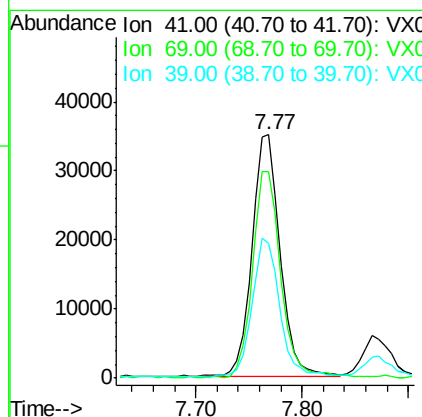
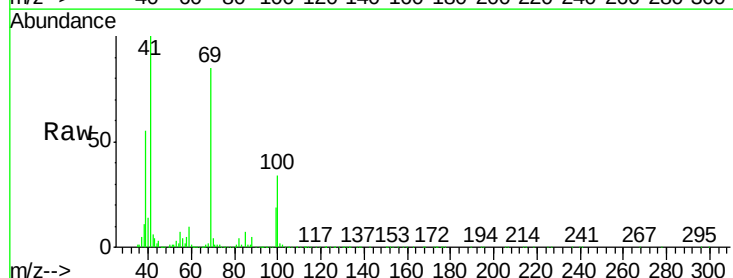
Manual Integrations
APPROVED

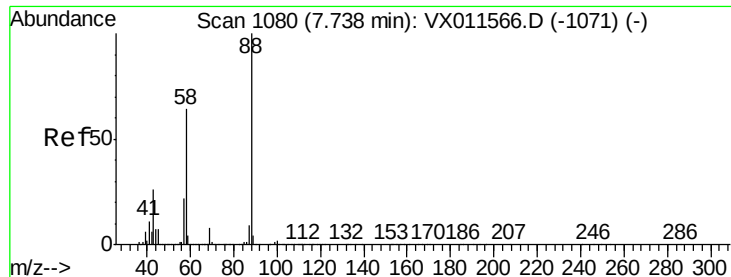
MMDadoda
8/21/2019 8:33:19 AM



#48
Methyl methacrylate
Concen: 18.709 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	41	Resp	65519
Ion Ratio	100	Lower	Upper
41	100		
69	86.0	67.9	101.9
39	57.3	41.6	62.4





#49

1,4-Dioxane

Concen: 373.076 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

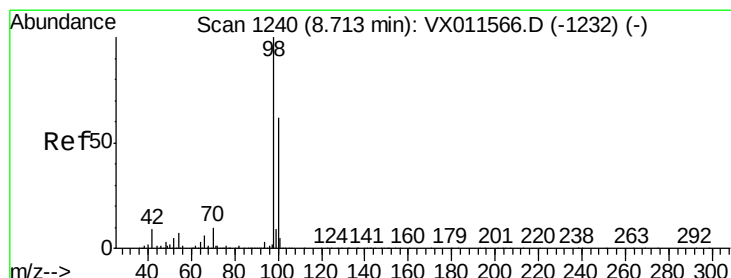
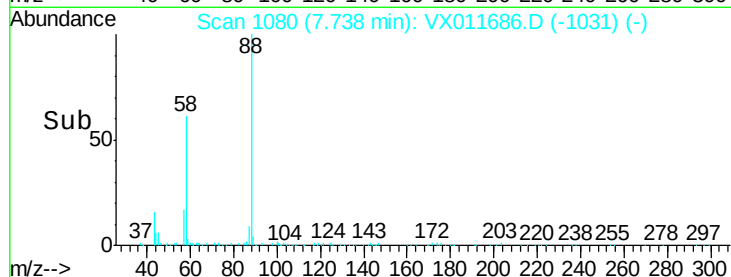
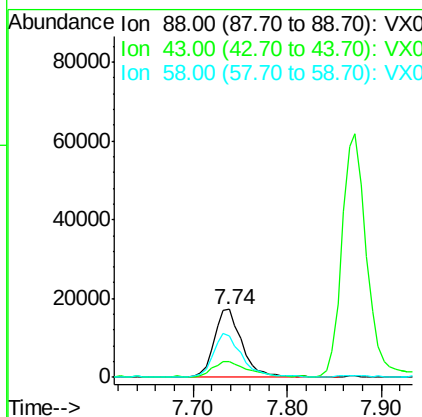
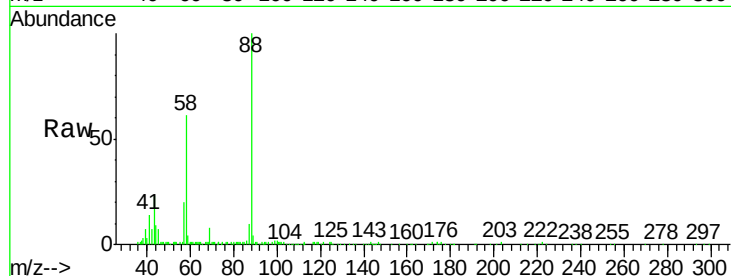
ClientSampleId :

VX0820WBSD01

Tot Ion:	88	Resp:	34750
Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.4	35.0
58	67.0	54.3	81.5

Manual Integrations
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#50

Toluene-d8

Concen: 48.350 ug/l

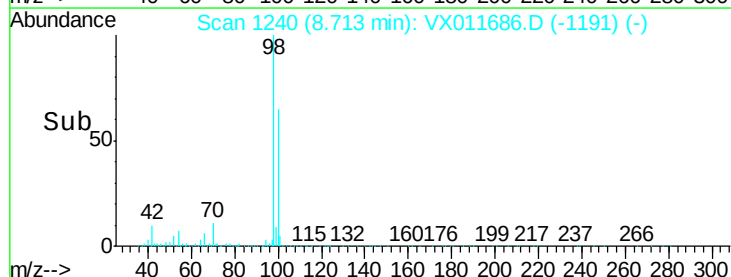
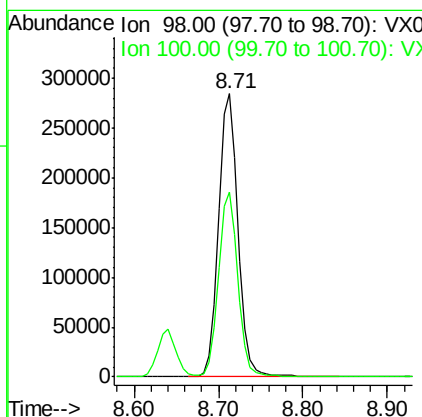
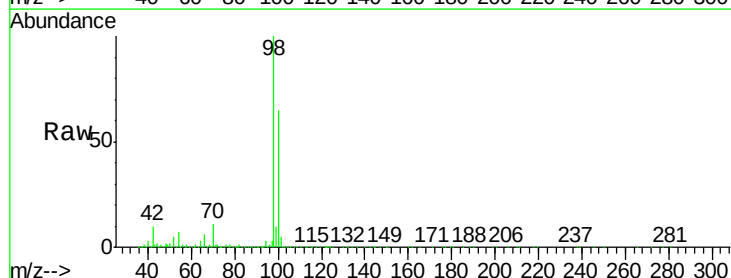
RT: 8.71 min Scan# 1240

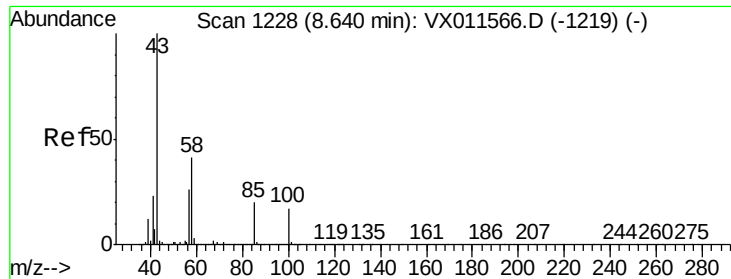
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	98	Resp:	454039
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.4	78.6





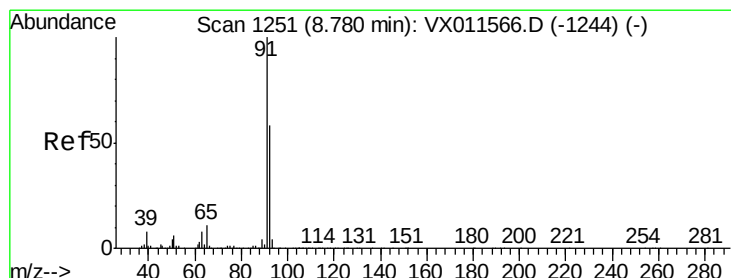
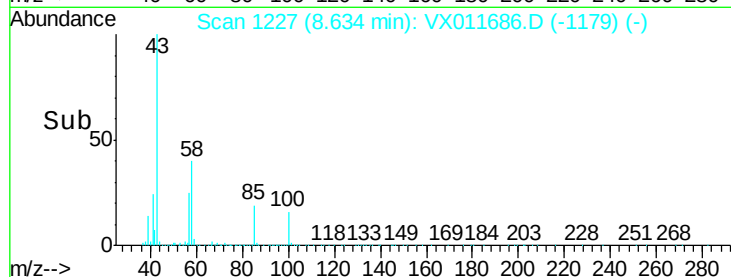
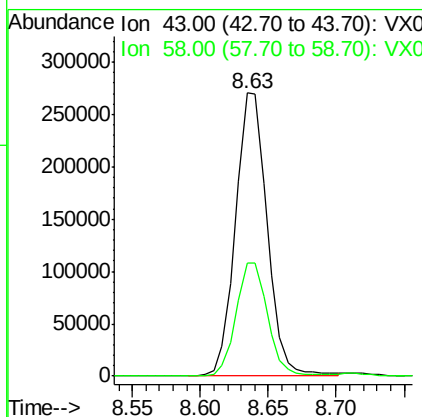
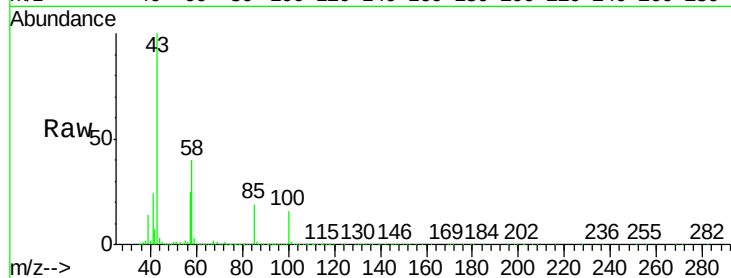
#51
4-Methyl-2-Pentanone
Concen: 95.001 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.8	47.6

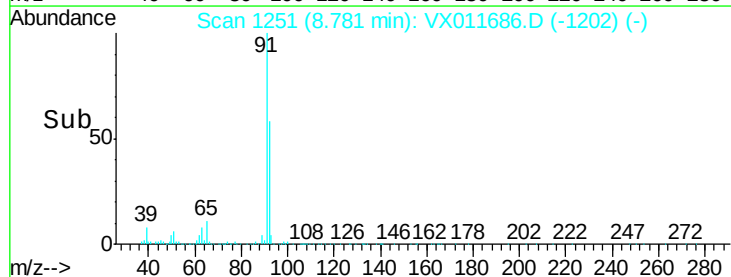
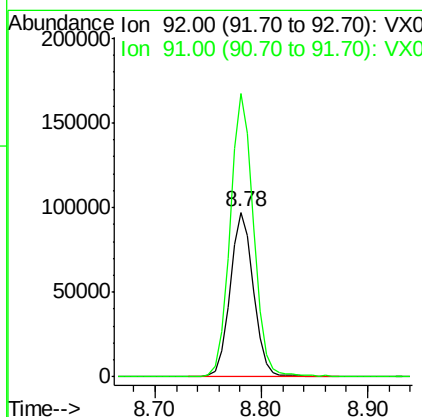
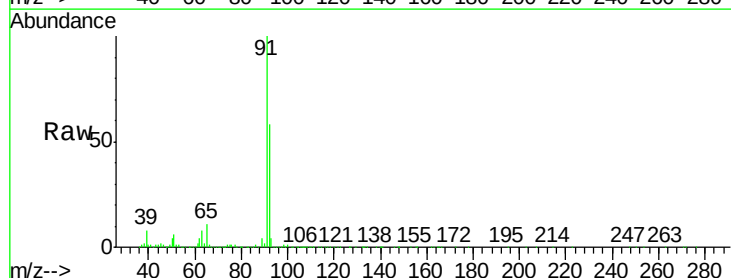
Manual Integrations
APPROVED

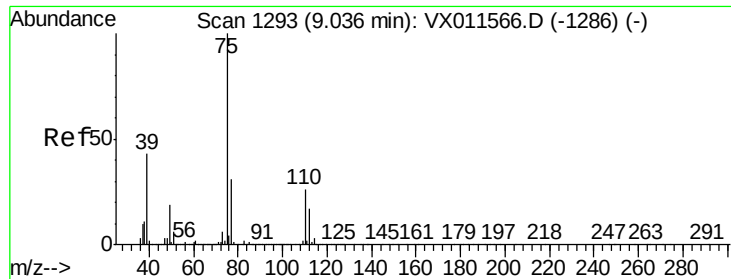
MMDadoda
8/21/2019 8:33:19 AM



#52
Toluene
Concen: 19.006 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	138.0	207.0





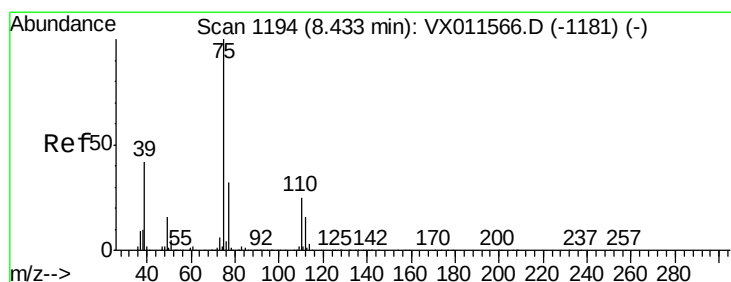
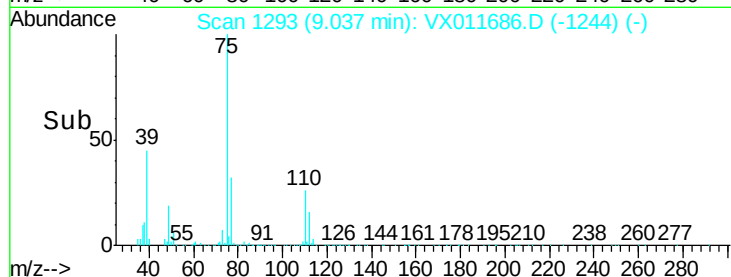
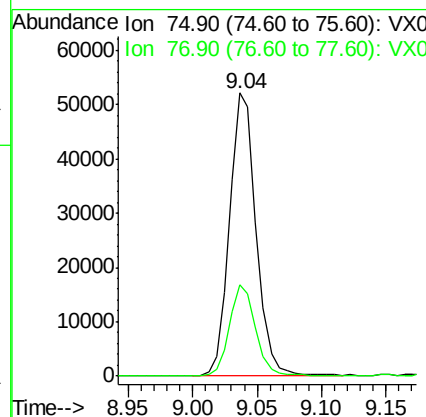
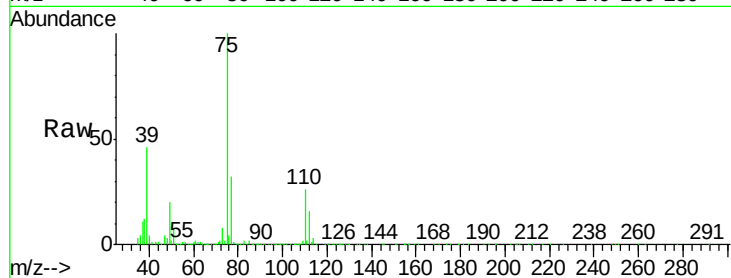
#53
t-1,3-Dichloropropene
Concen: 17.992 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7

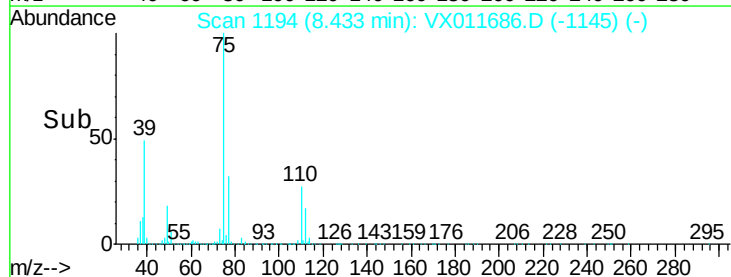
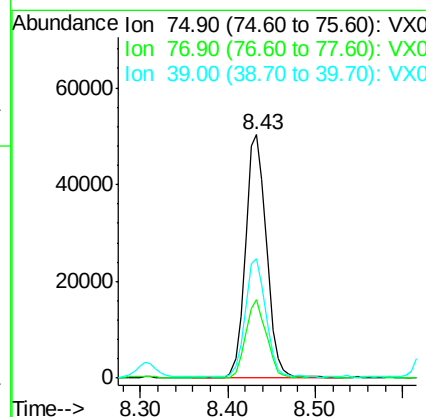
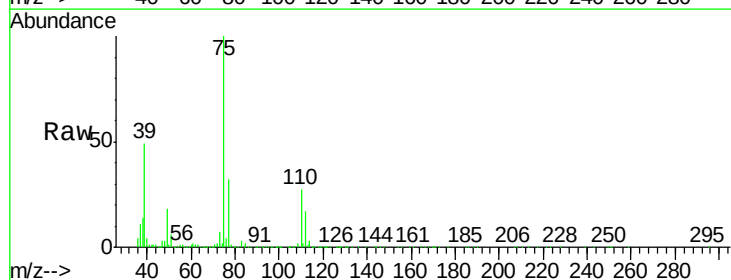
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APPROVED

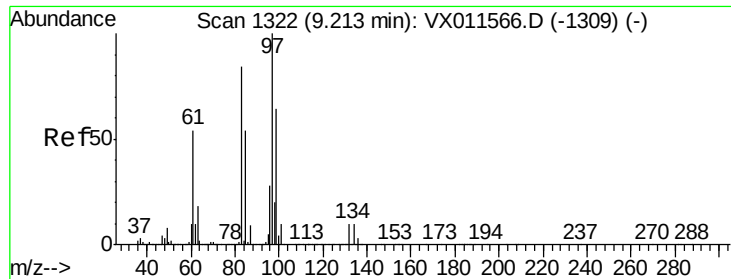
MMDadoda
8/21/2019 8:33:19 AM



#54
cis-1,3-Dichloropropene
Concen: 18.215 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	48.7	33.6	50.4





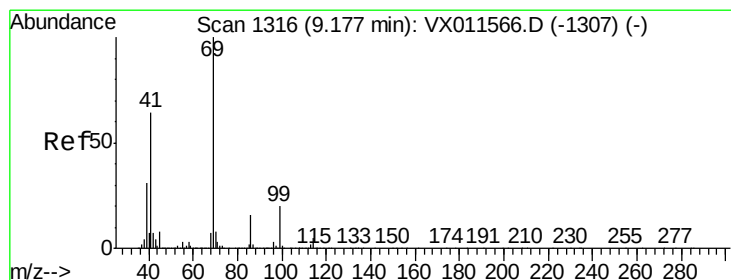
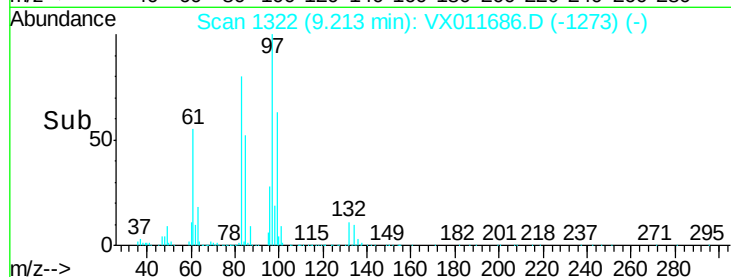
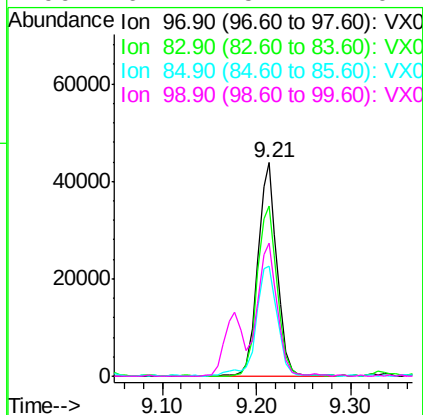
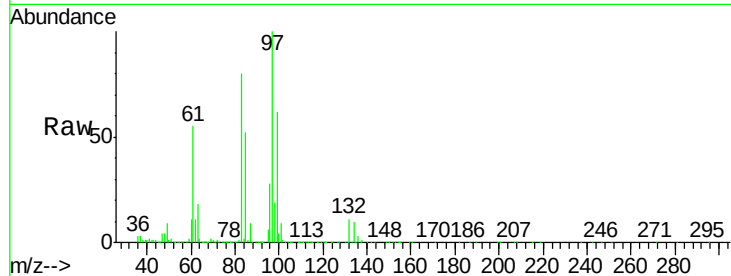
#55
 1,1,2-Trichloroethane
 Concen: 19.089 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		63316		
83	79.6	67.4	101.0		
85	51.5	43.4	65.2		
99	62.2	51.1	76.7		

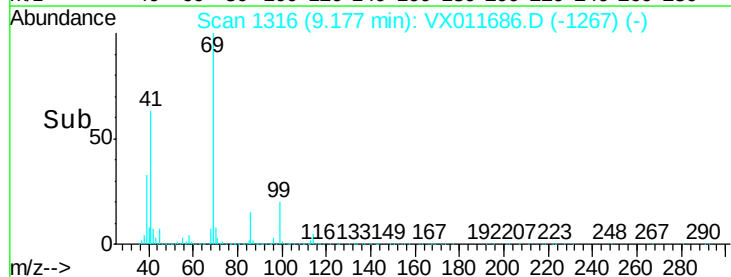
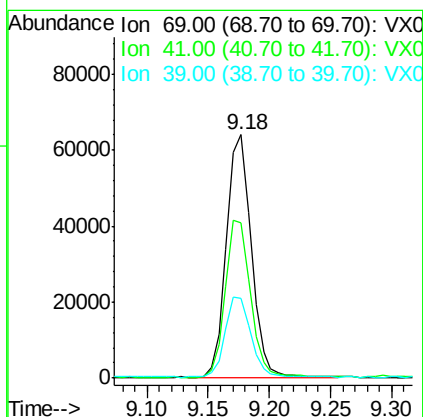
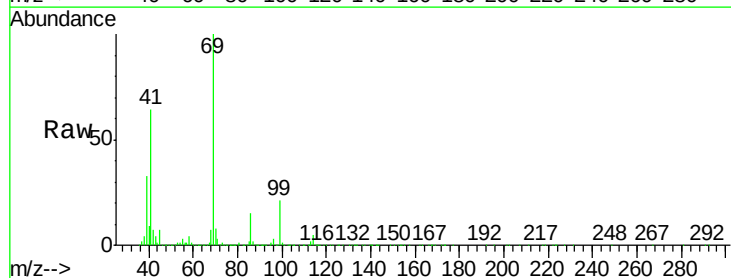
Manual Integrations
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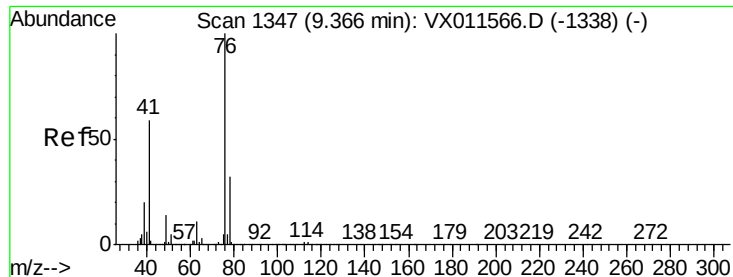
MMDadoda
 8/21/2019 8:33:19 AM



#56
 Ethyl methacrylate
 Concen: 18.677 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		90036		
41	65.6	52.1	78.1		
39	34.3	25.4	38.0		





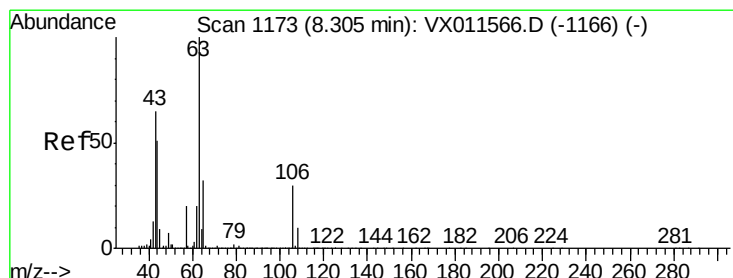
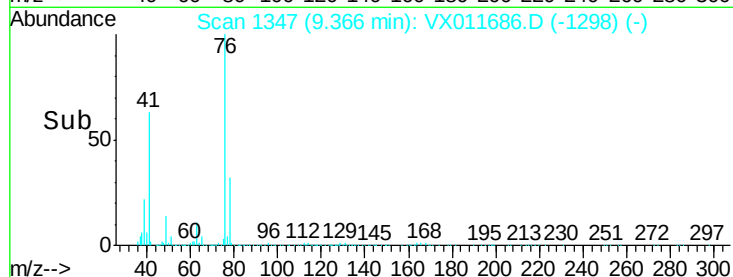
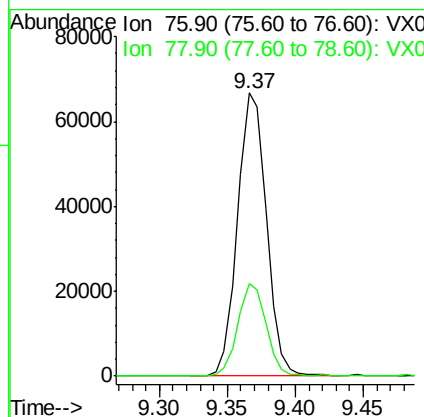
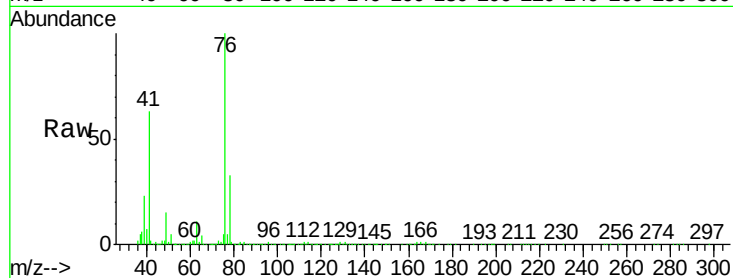
#57
 1,3-Dichloropropane
 Concen: 18.716 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion: 76 Resp: 98677
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4

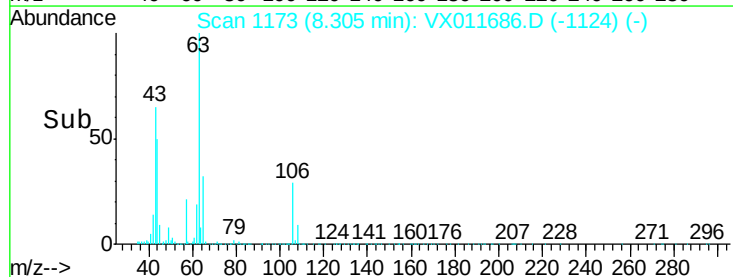
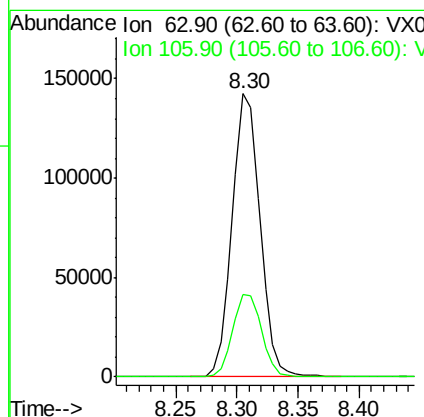
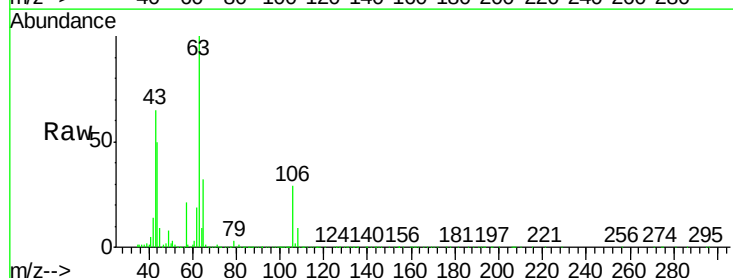
Manual Integrations
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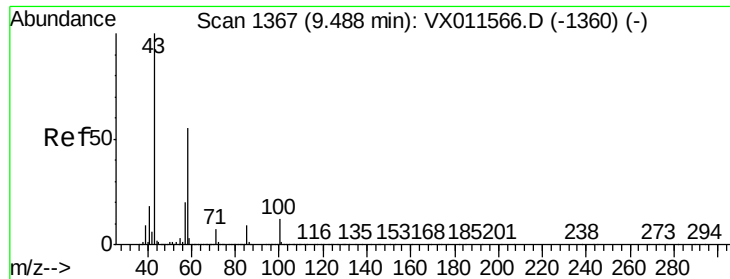
MMDadoda
 8/21/2019 8:33:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.068 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Tgt Ion: 63 Resp: 223552
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.7 37.1





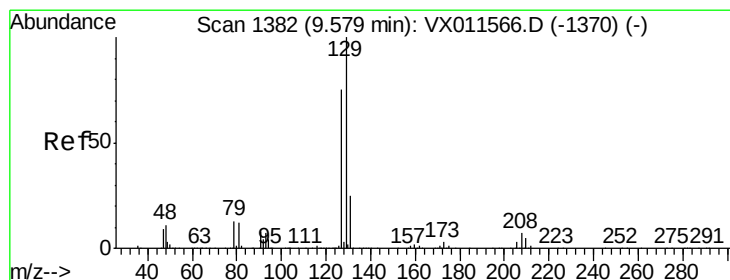
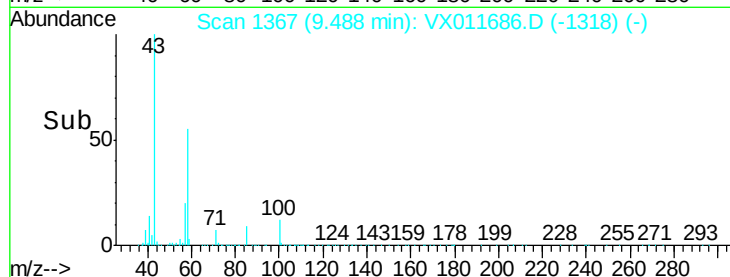
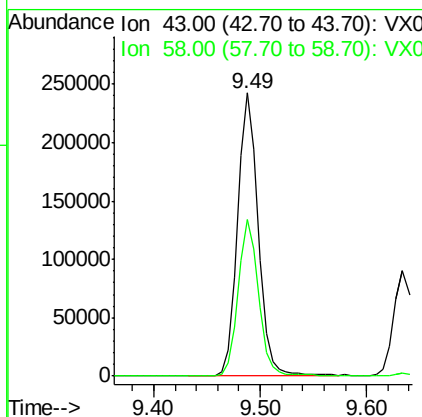
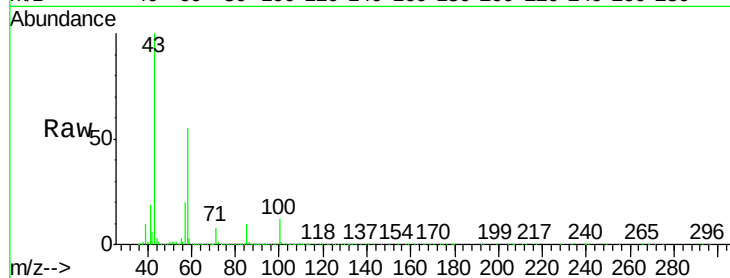
#59
2-Hexanone
Concen: 93.223 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.5	82.4

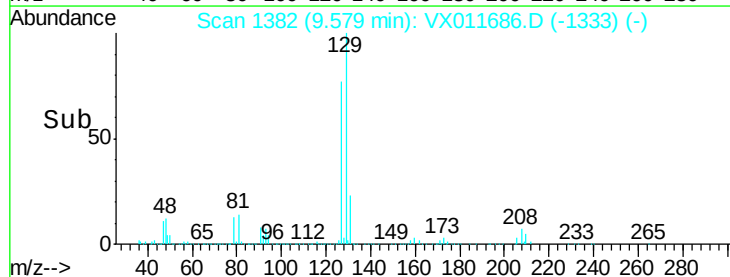
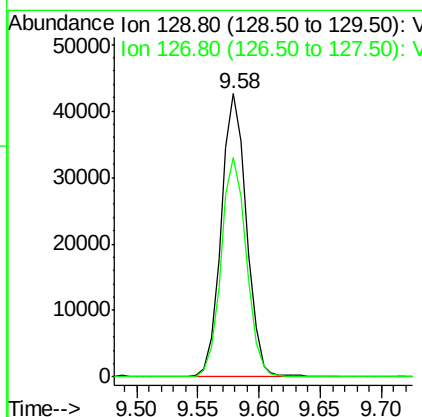
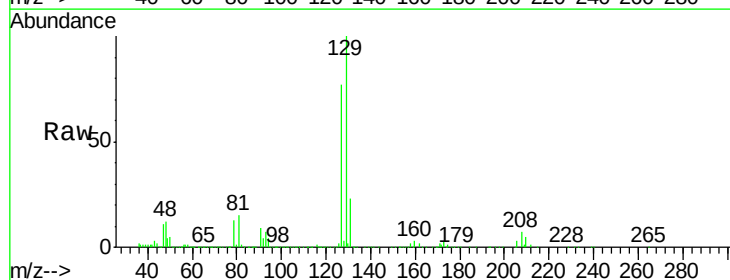
Manual Integrations
APPROVED

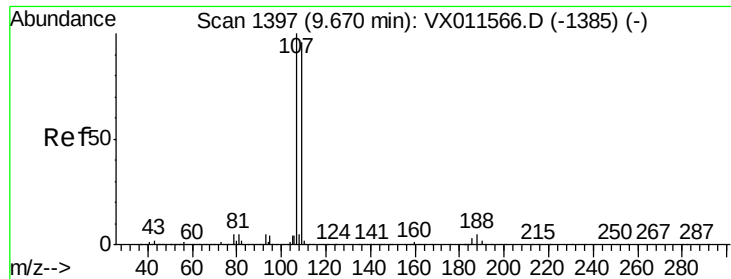
MMDadoda
8/21/2019 8:33:19 AM



#60
Dibromochloromethane
Concen: 17.576 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.0	114.1





#61

1,2-Dibromoethane

Concen: 18.698 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 107 Resp: 66187

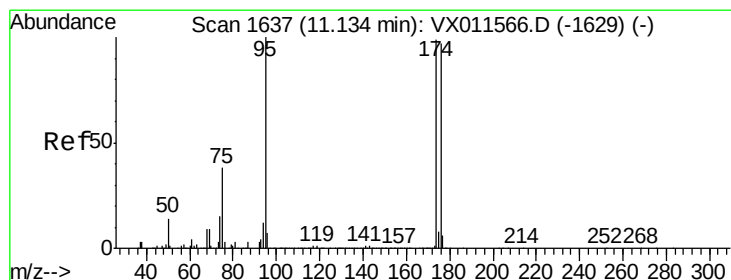
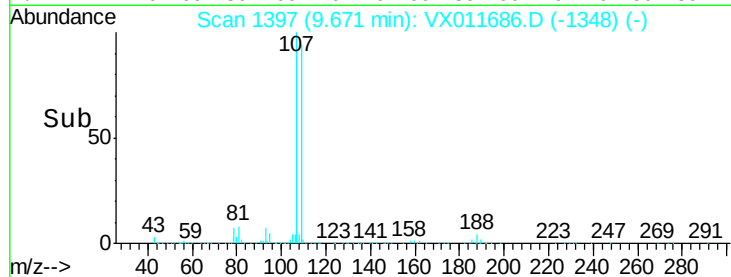
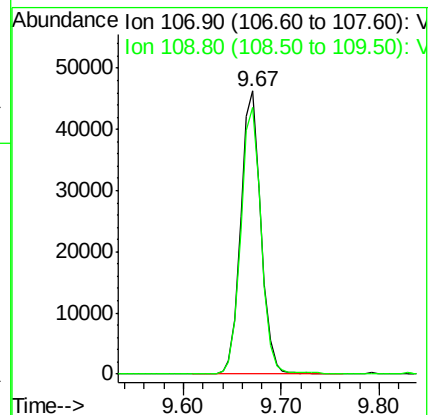
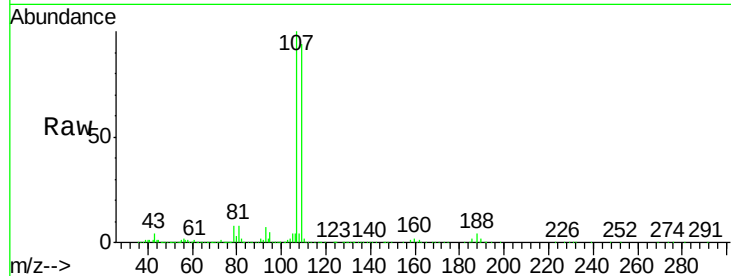
Ion Ratio Lower Upper

107 100

109 93.7 76.2 114.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.675 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

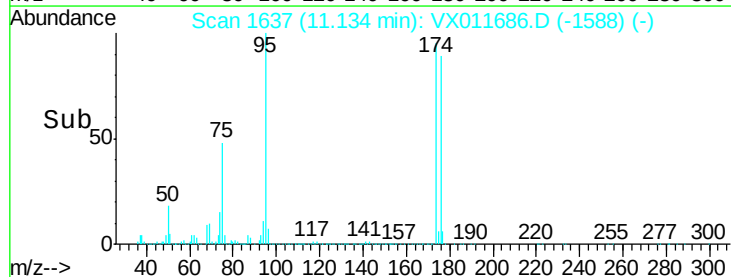
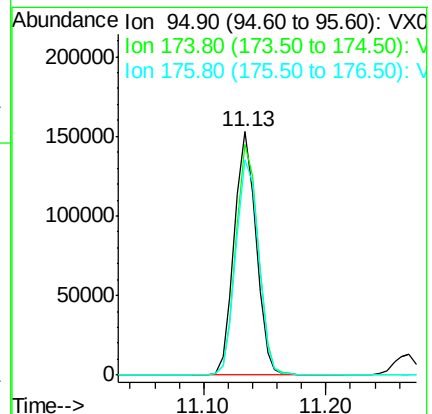
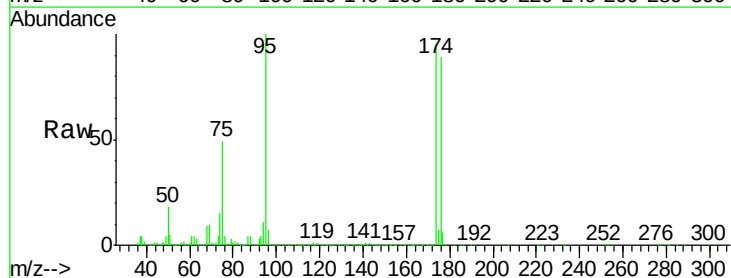
Tgt Ion: 95 Resp: 188965

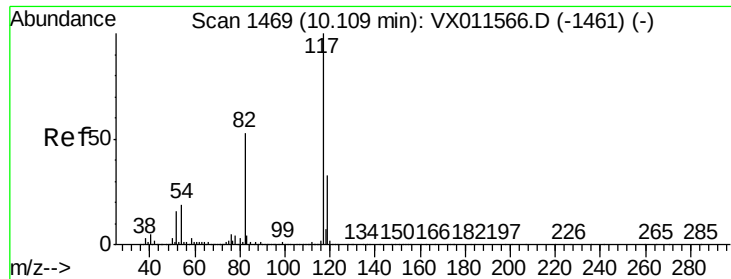
Ion Ratio Lower Upper

95 100

174 96.6 0.0 200.6

176 91.9 0.0 196.6





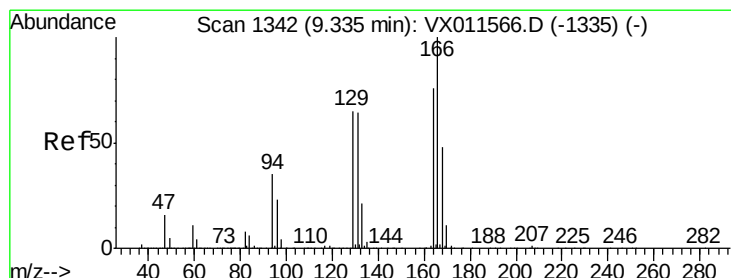
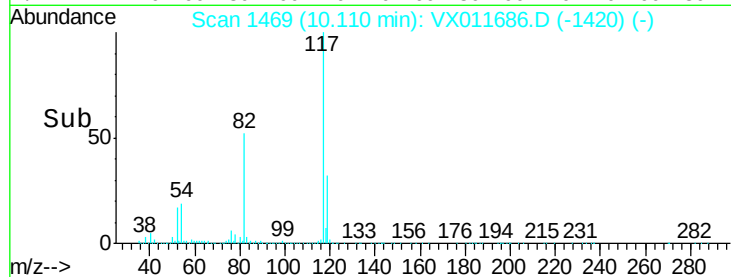
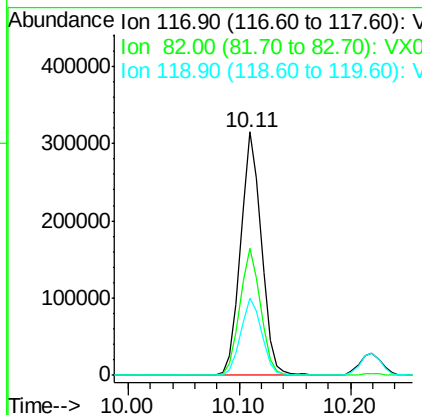
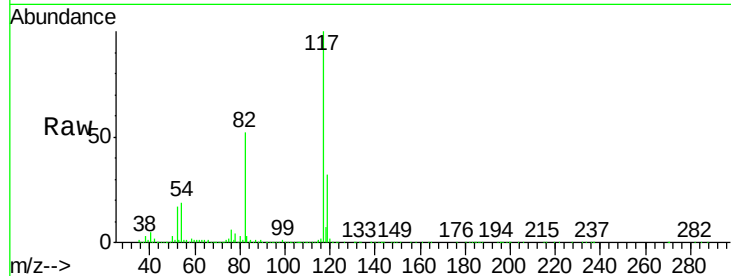
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	408620		
82	52.0	42.0	63.0	
119	31.6	26.5	39.7	

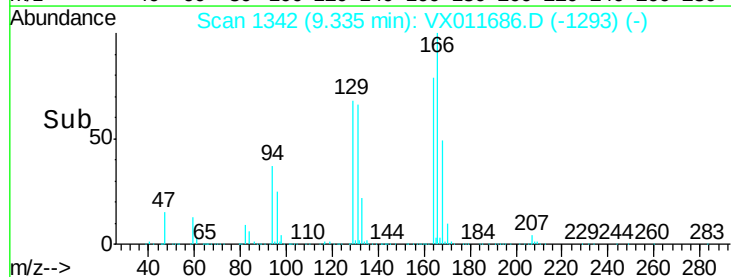
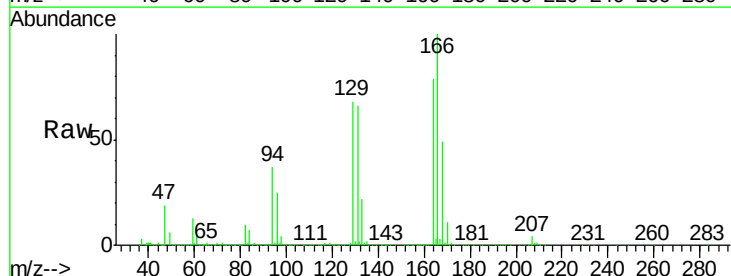
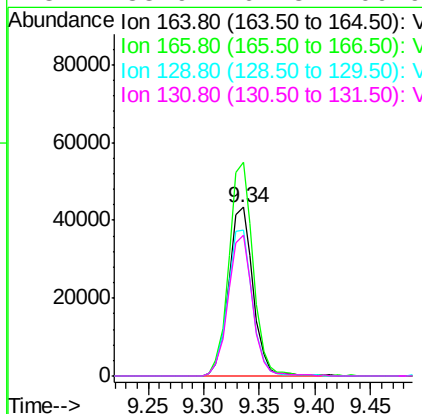
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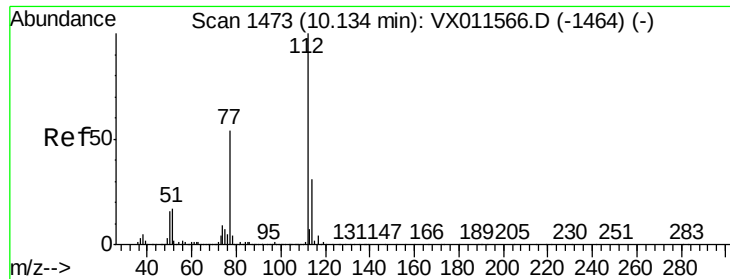
MMDadoda
8/21/2019 8:33:19 AM



#64
Tetrachloroethene
Concen: 19.624 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65793		
166	126.7	104.7	157.1	
129	86.3	68.2	102.4	
131	83.9	67.3	100.9	





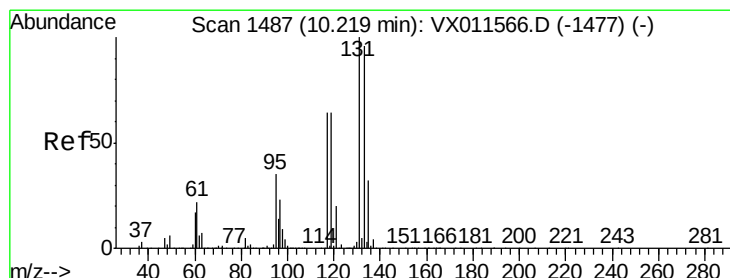
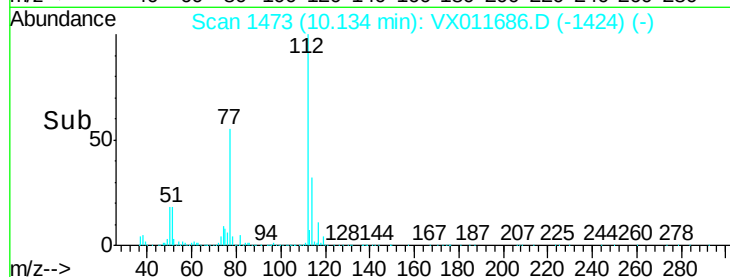
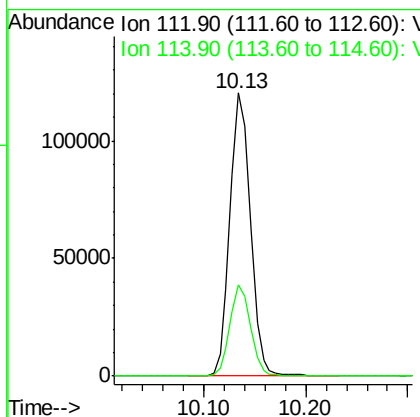
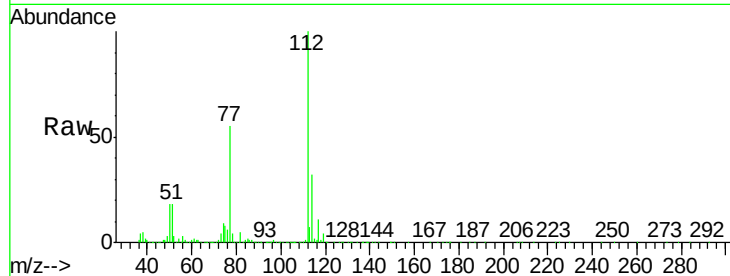
#65
Chlorobenzene
Concen: 19.233 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6

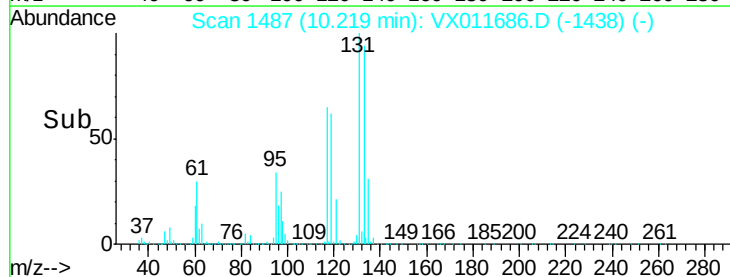
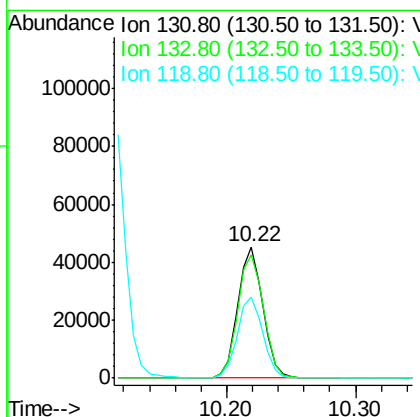
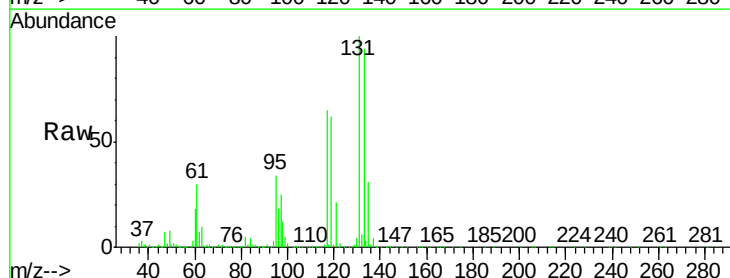
Manual Integrations
APPROVED

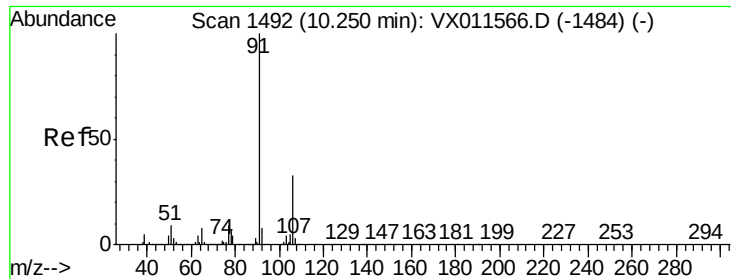
MMDadoda
8/21/2019 8:33:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.766 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.1	144.4
119	62.8	31.3	93.8





#67

Ethyl Benzene

Concen: 19.296 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampled :

VX0820WBSD01

Tot Ion: 91 Resp: 280671

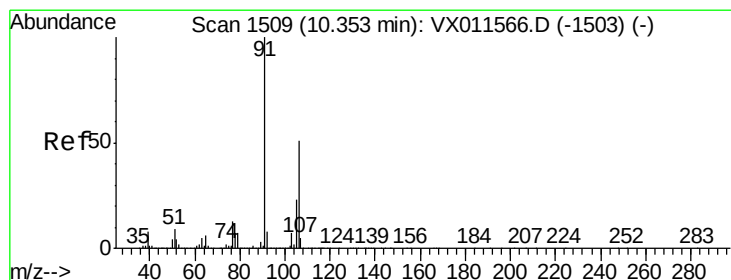
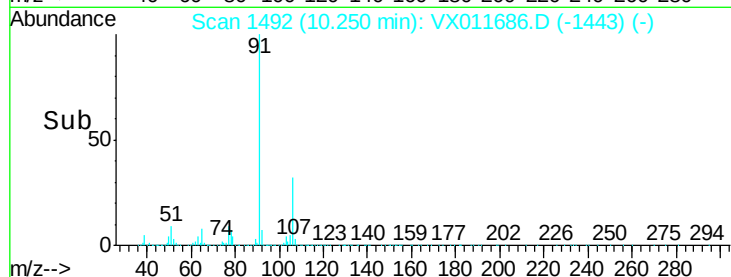
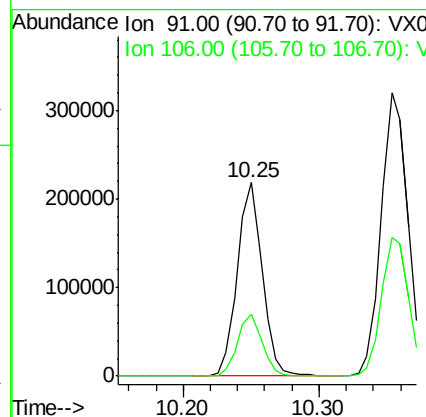
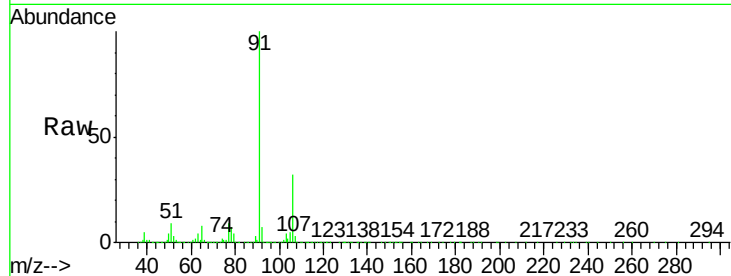
Ion Ratio Lower Upper

91 100

106 31.8 26.0 39.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.076 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011686.D

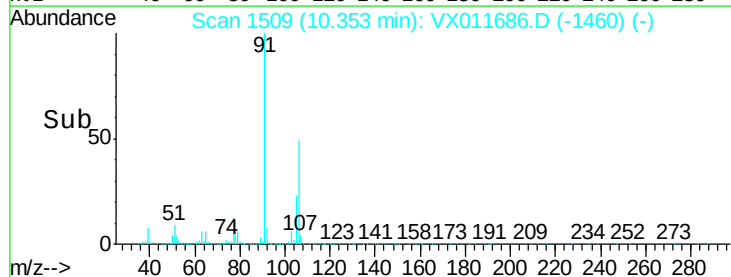
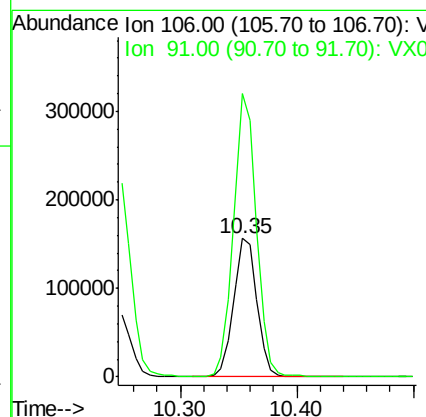
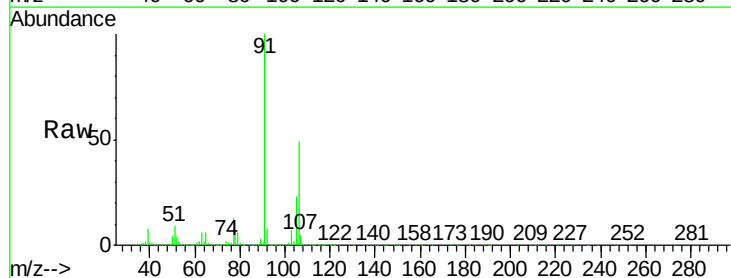
Acq: 20 Aug 2019 15:48

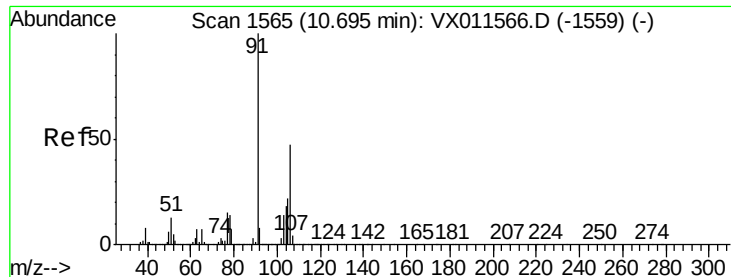
Tgt Ion: 106 Resp: 218174

Ion Ratio Lower Upper

106 100

91 200.5 156.0 234.0





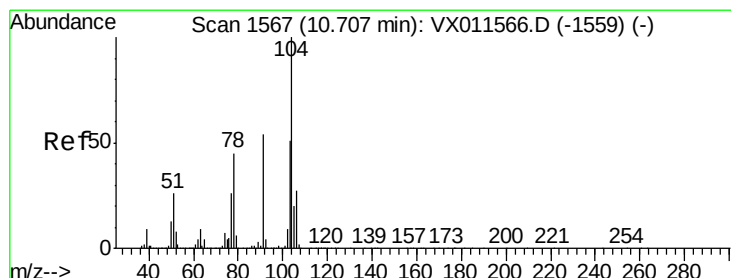
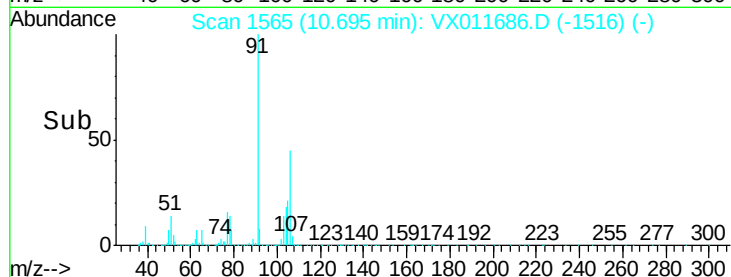
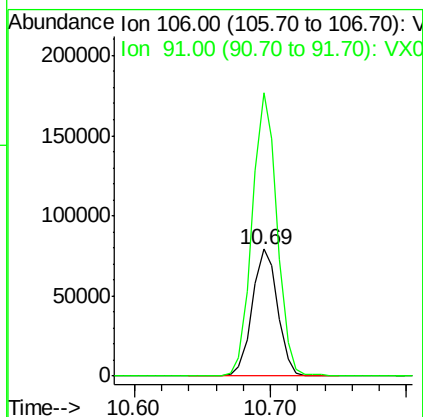
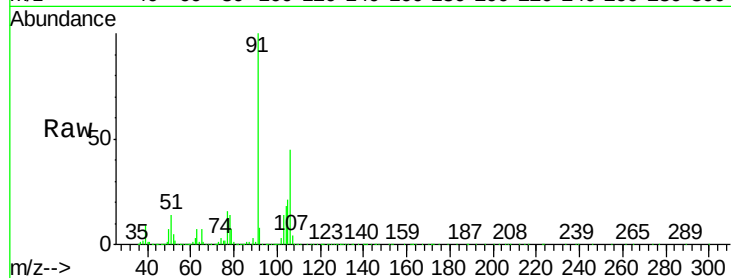
#69
o-Xylene
Concen: 19.071 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	104299		
91	217.6	105.5	316.4	

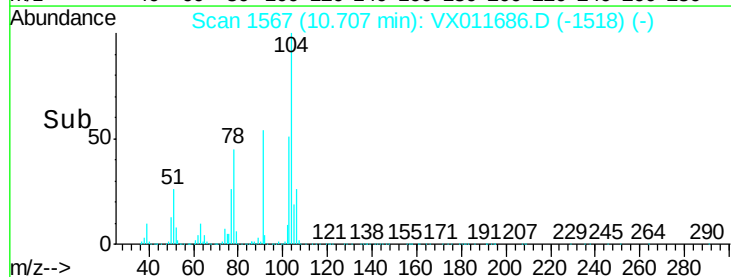
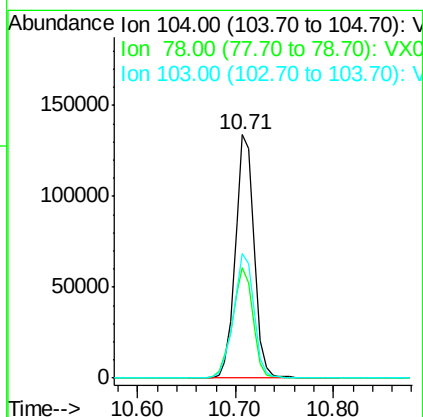
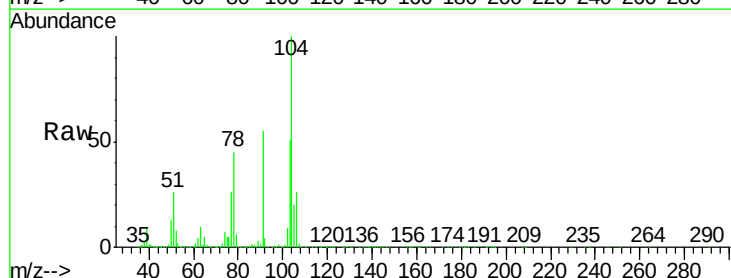
Manual Integrations
APPROVED

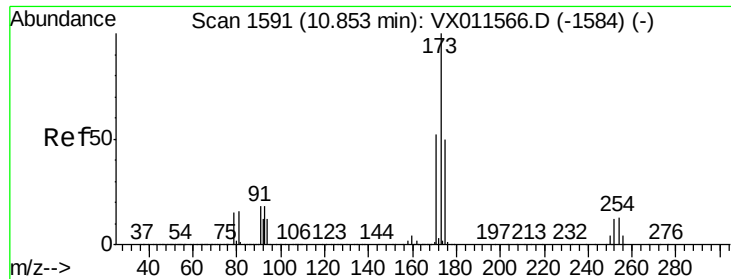
MMDadoda
8/21/2019 8:33:19 AM



#70
Styrene
Concen: 19.325 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	177923		
78	49.5	38.2	57.4	
103	55.5	43.6	65.4	





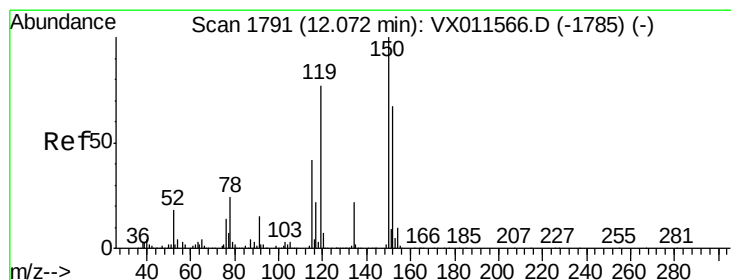
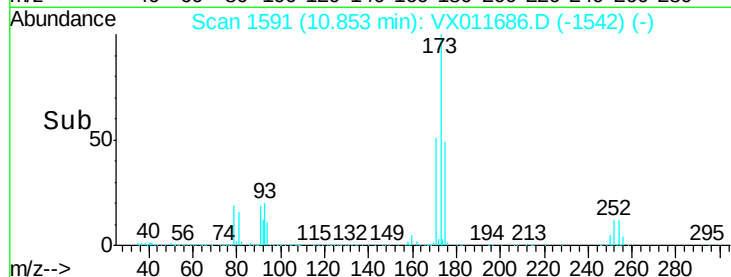
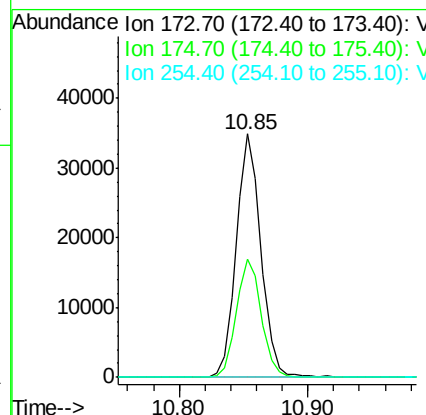
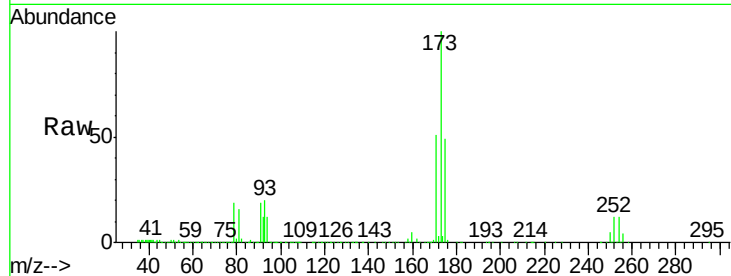
#71
Bromoform
Concen: 17.005 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.9	74.7
254	0.3	0.1	0.1#

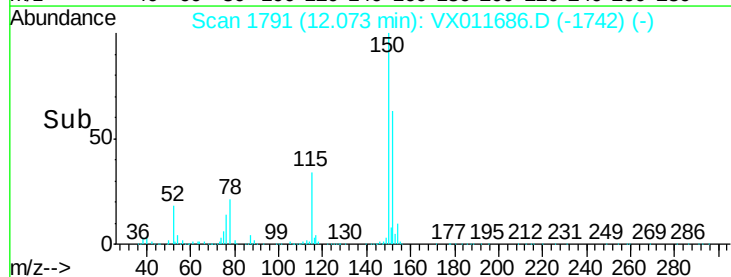
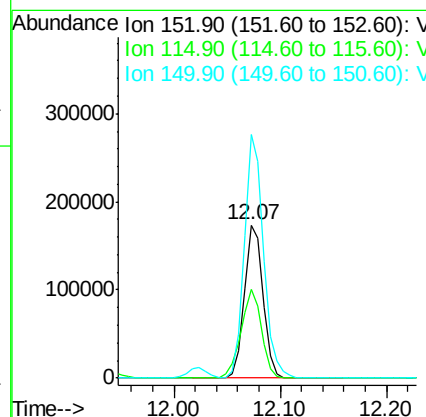
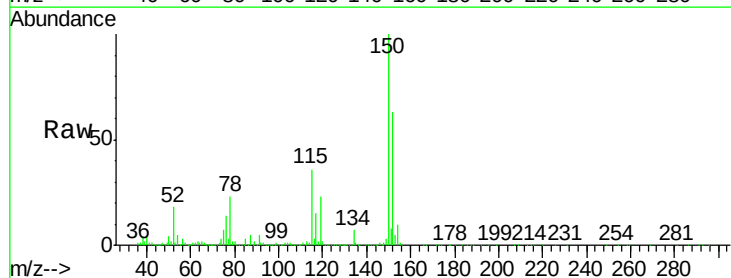
Manual Integrations
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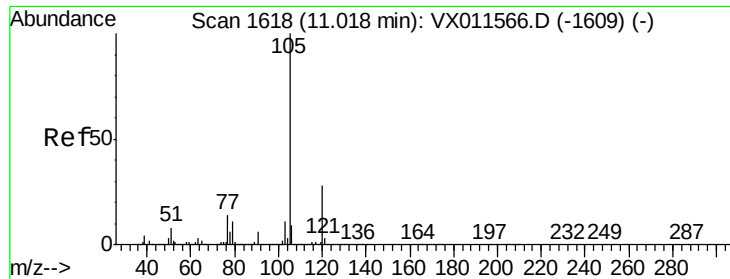
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	37.3	111.9
150	163.1	0.0	346.2





#73

Isopropylbenzene

Concen: 20.892 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion:105 Resp: 289917

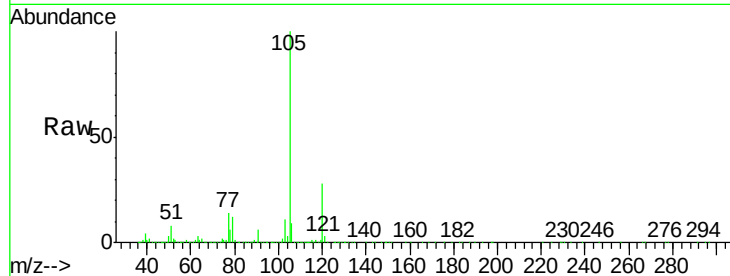
Ion Ratio Lower Upper

105 100

120 27.4 14.0 41.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

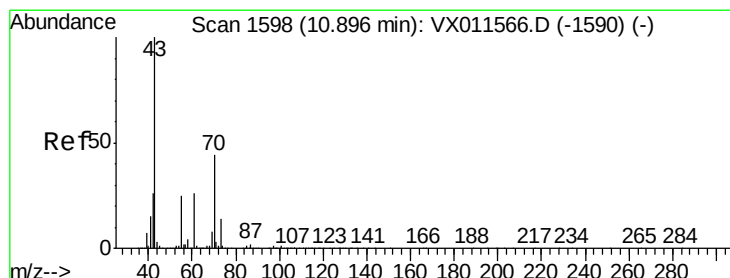
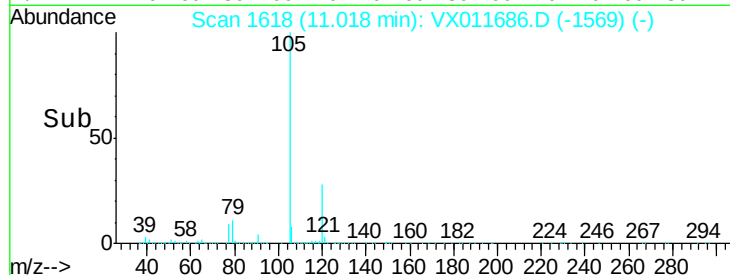
50000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 18.935 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion: 43 Resp: 111661

Ion Ratio Lower Upper

43 100

70 43.5 34.7 52.1

55 25.4 19.6 29.4

61 24.3 19.9 29.9

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

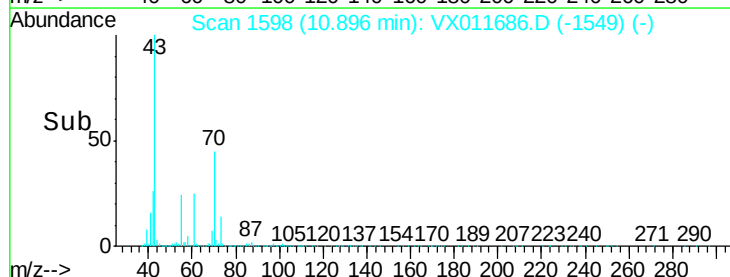
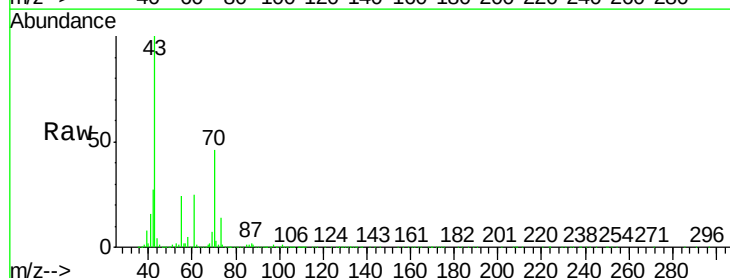
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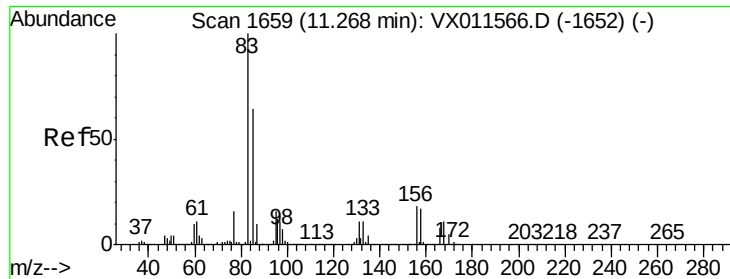
0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.586 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

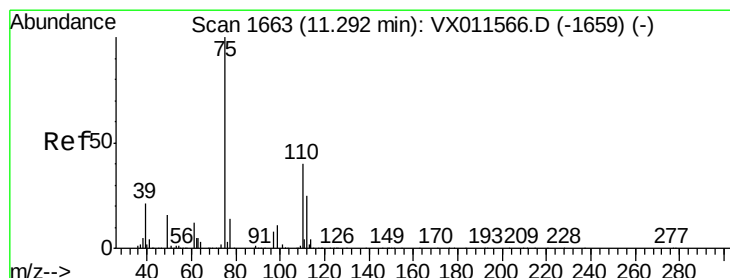
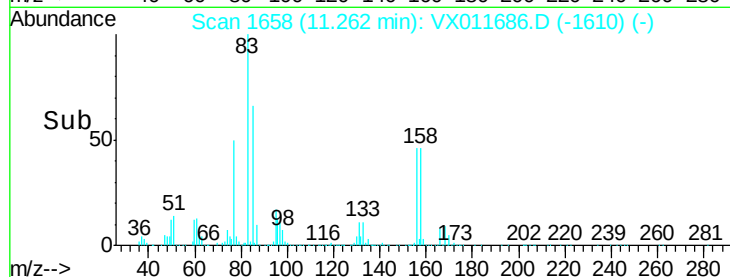
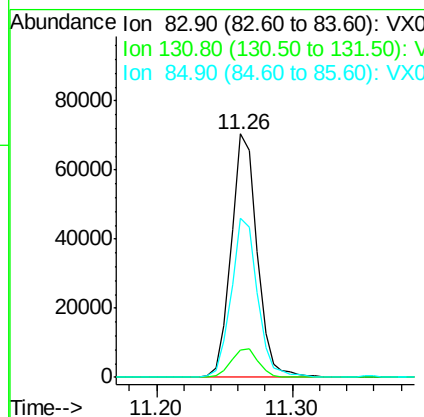
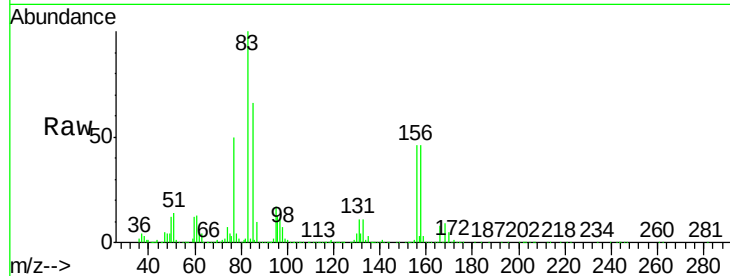
ClientSampleId :

VX0820WBSD01

Tot Ion:	83	Resp:	93495
Ion Ratio	Lower	Upper	
83	100		
131	12.6	5.8	17.3
85	66.5	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.394 ug/l m

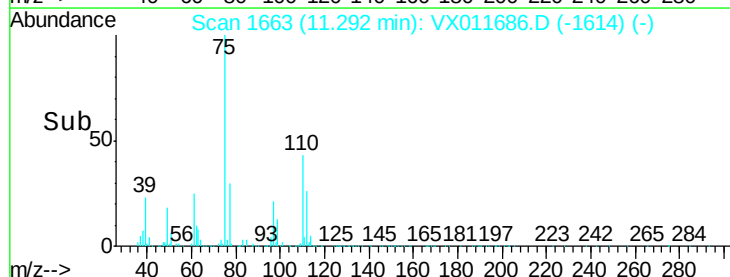
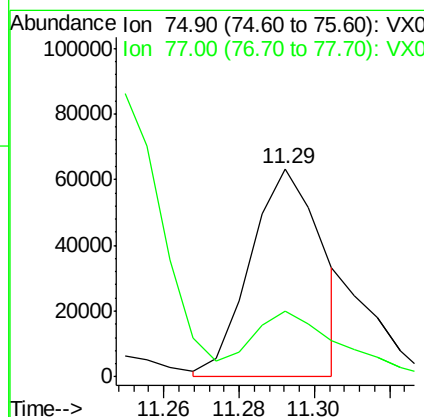
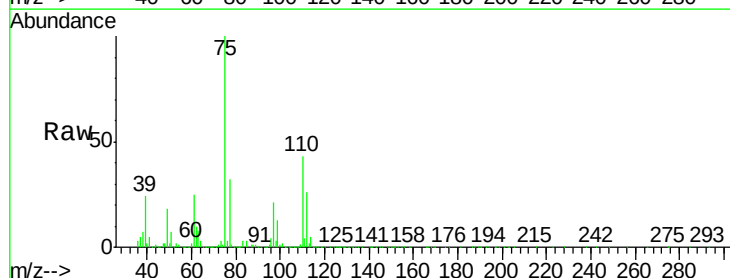
RT: 11.29 min Scan# 1663

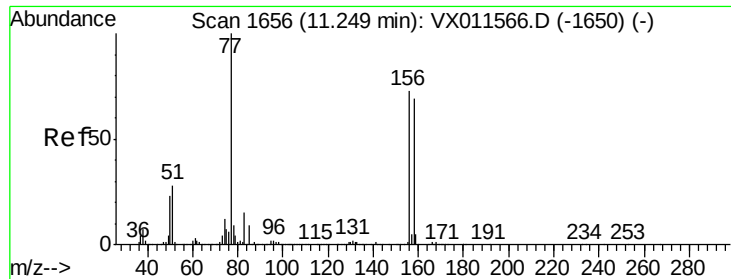
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	75	Resp:	82700
Ion Ratio	Lower	Upper	
75	100		
77	39.5	20.9	62.8





#77

Bromobenzene

Concen: 19.763 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

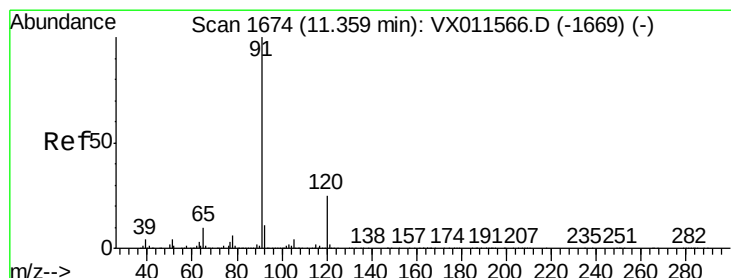
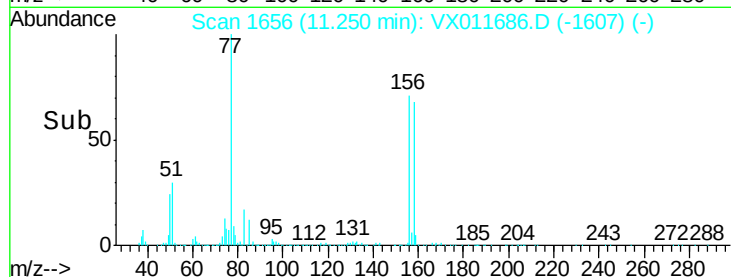
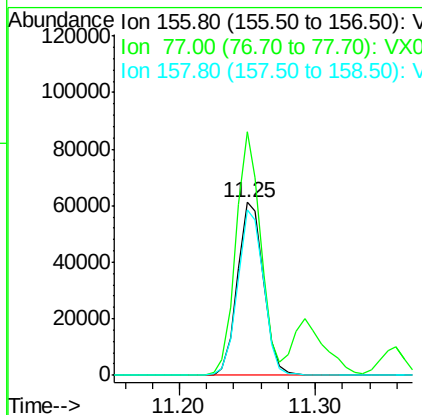
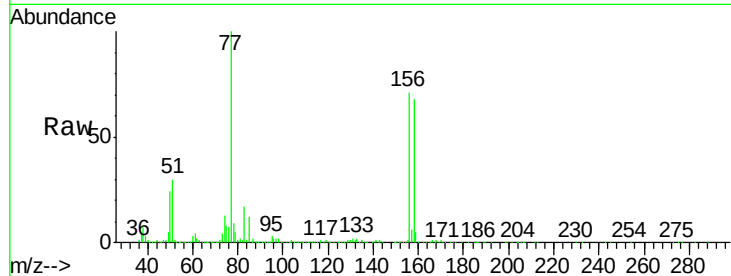
ClientSampleId :

VX0820WBSD01

Tot Ion:	156	Resp:	81593
Ion Ratio	Lower	Upper	
156	100		
77	134.1	64.6	193.9
158	95.0	48.4	145.3

Manual Integrations
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8/21/2019 8:33:19 AM



#78

n-propylbenzene

Concen: 20.622 ug/l

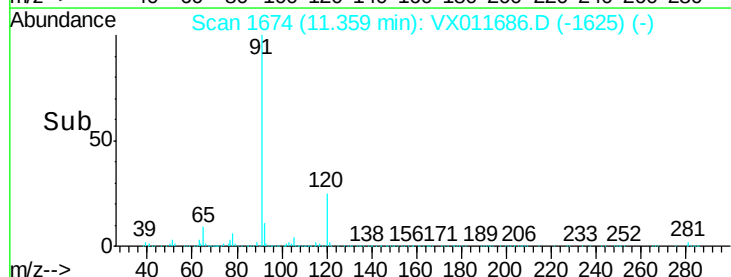
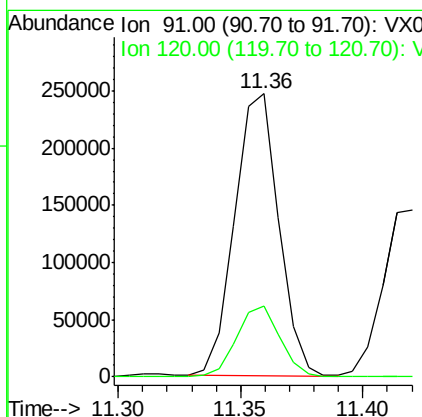
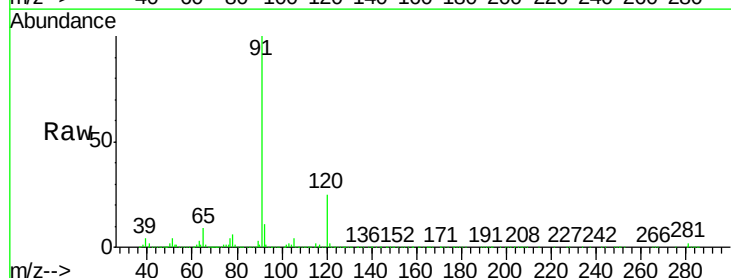
RT: 11.36 min Scan# 1674

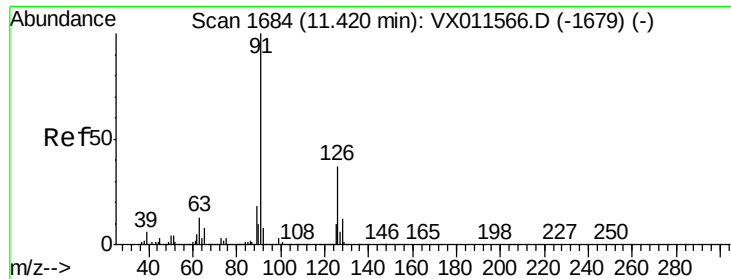
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	91	Resp:	308572
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.6	37.6





#79

2-Chlorotoluene

Concen: 20.679 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 91 Resp: 190001

Ion Ratio Lower Upper

91 100

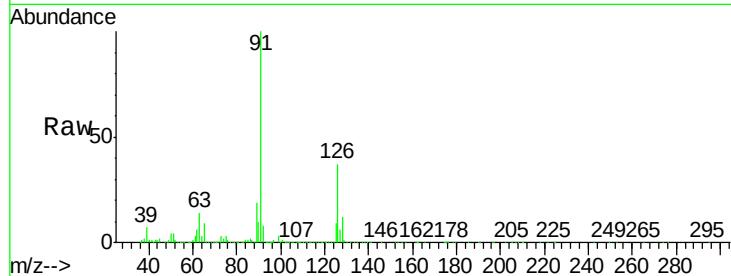
126 36.5 18.4 55.0

Manual Integrations

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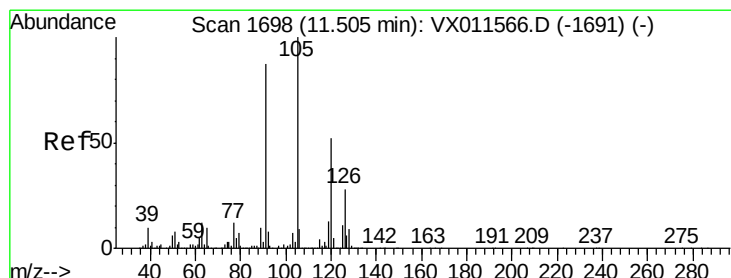
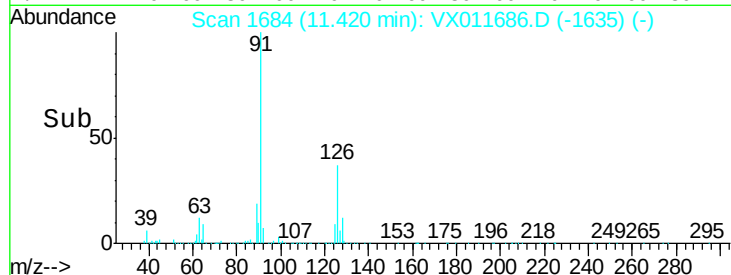
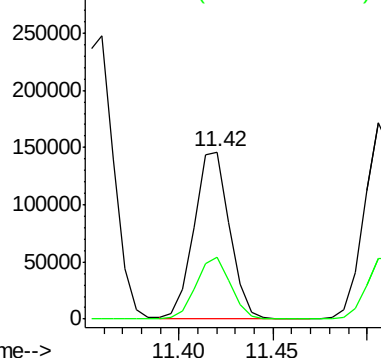
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.593 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011686.D

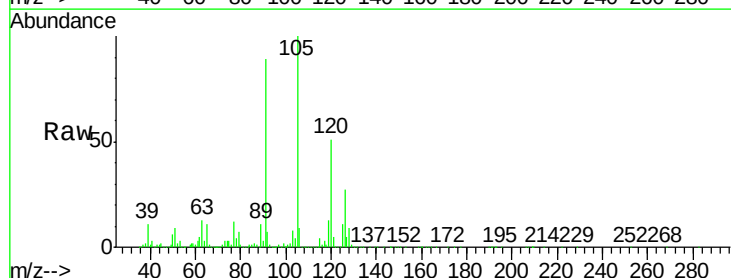
Acq: 20 Aug 2019 15:48

Tgt Ion:105 Resp: 240045

Ion Ratio Lower Upper

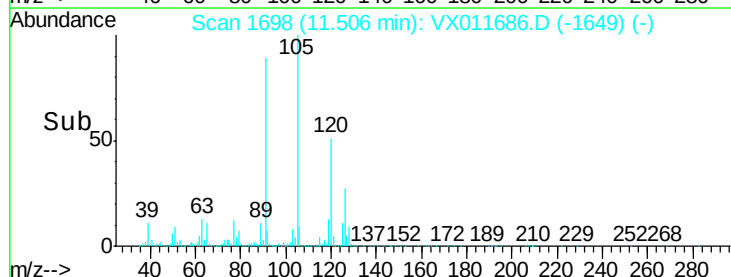
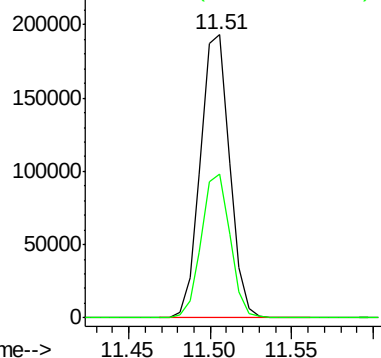
105 100

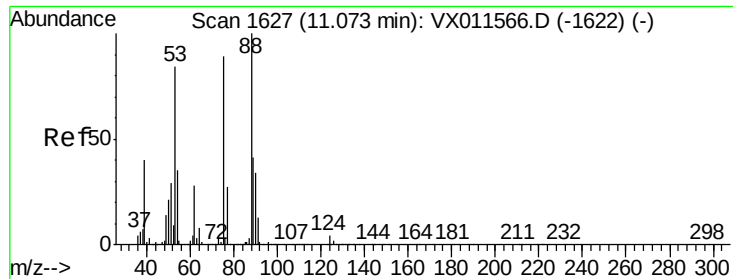
120 50.2 25.3 75.8



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: 17.748 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

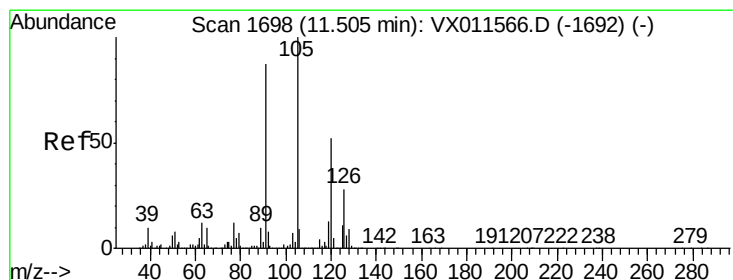
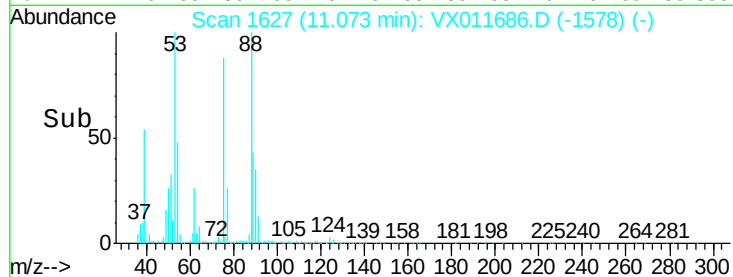
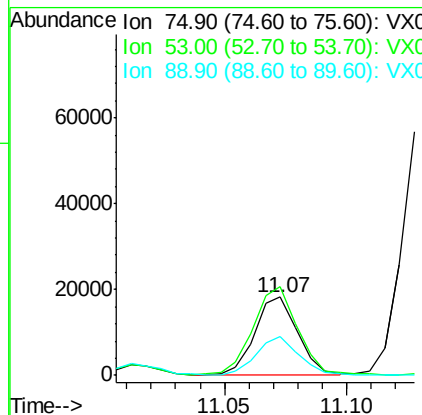
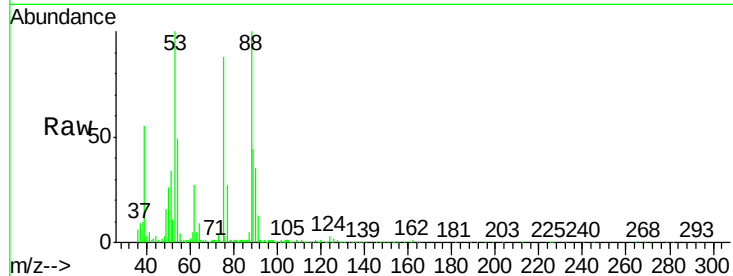
ClientSampled :

VX0820WBSD01

Tot Ion:	75	Resp:	21810
Ion Ratio	Lower	Upper	
75	100		
53	120.6	77.4	116.0#
89	50.7	37.3	55.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.385 ug/l

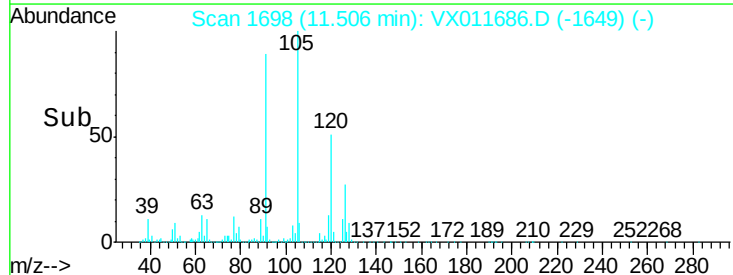
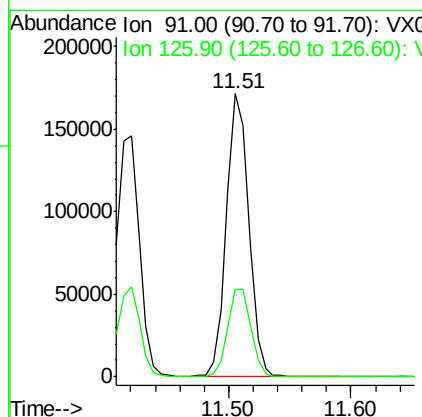
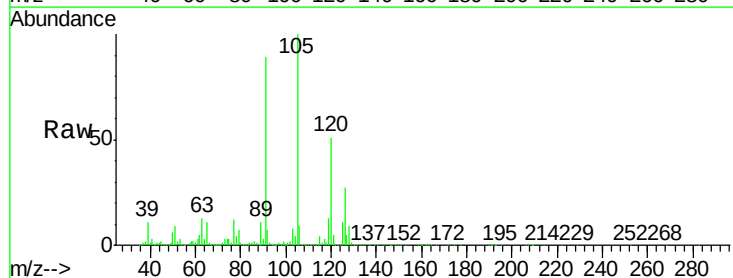
RT: 11.51 min Scan# 1698

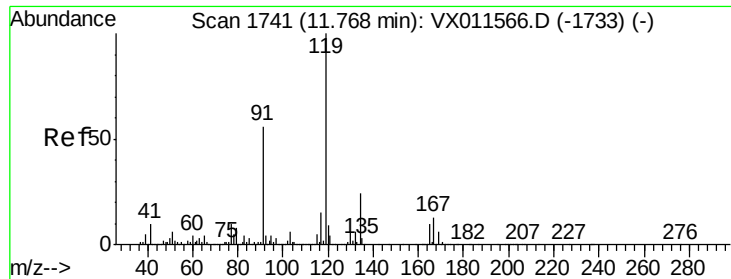
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	91	Resp:	217296
Ion Ratio	Lower	Upper	
91	100		
126	31.9	16.4	49.1





#83

tert-Butylbenzene

Concen: 20.575 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

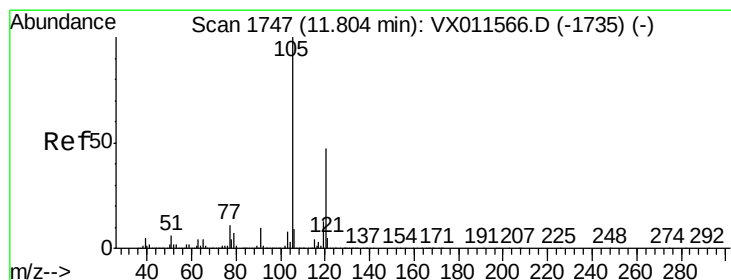
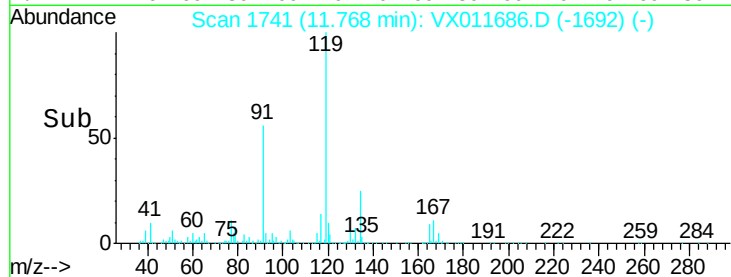
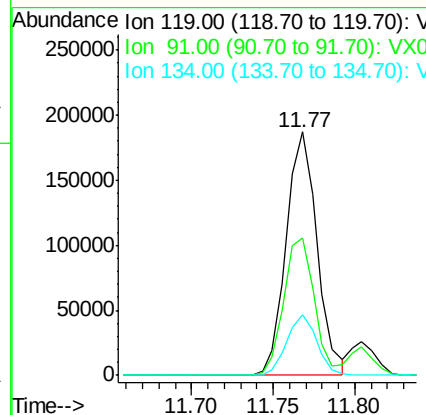
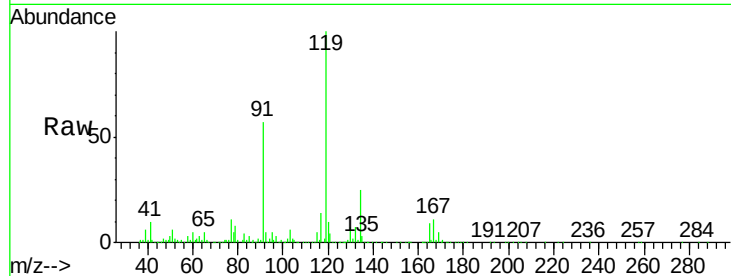
ClientSampleId :

VX0820WBSD01

Tot Ion:	119	Resp:	244272
Ion Ratio	Lower	Upper	
119	100		
91	55.5	27.1	81.3
134	24.1	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.041 ug/l

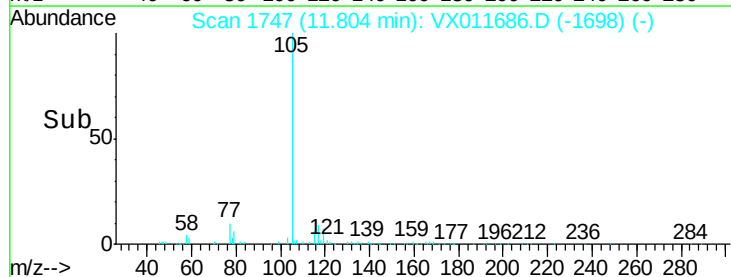
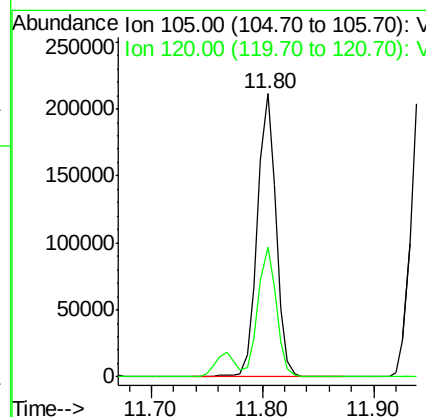
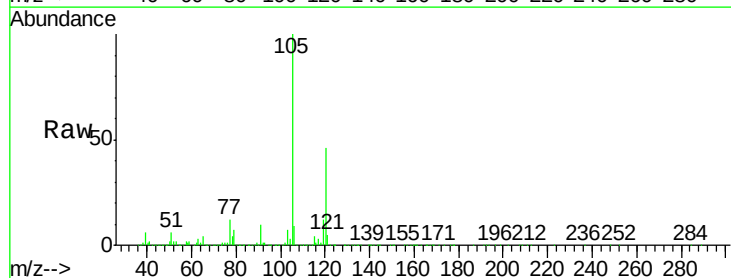
RT: 11.80 min Scan# 1747

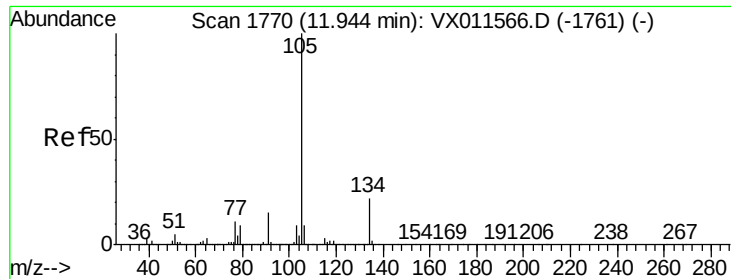
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	105	Resp:	246235
Ion Ratio	Lower	Upper	
105	100		
120	45.4	23.3	69.9





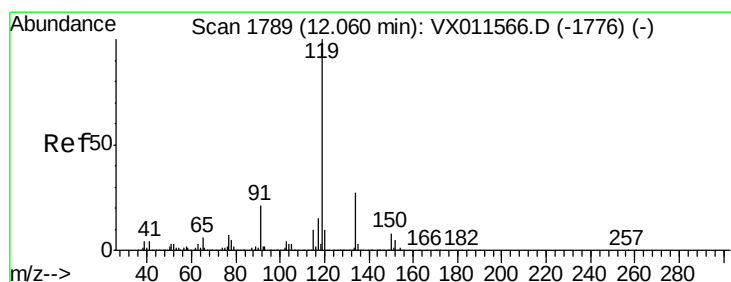
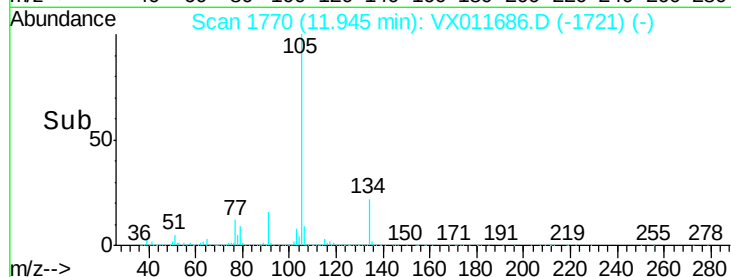
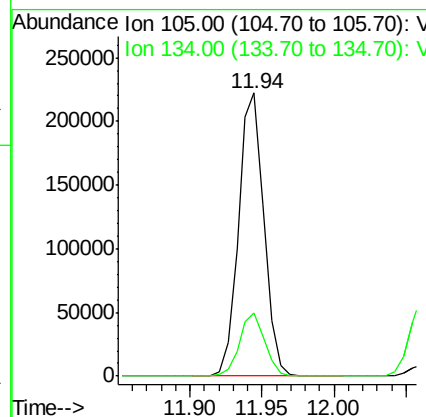
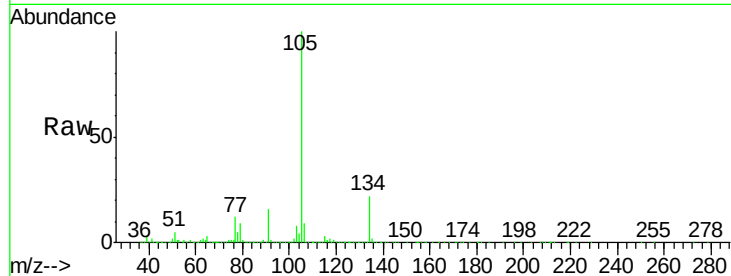
#85
 sec-Butylbenzene
 Concen: 20.353 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	272621		
134	22.0	10.8	32.4	

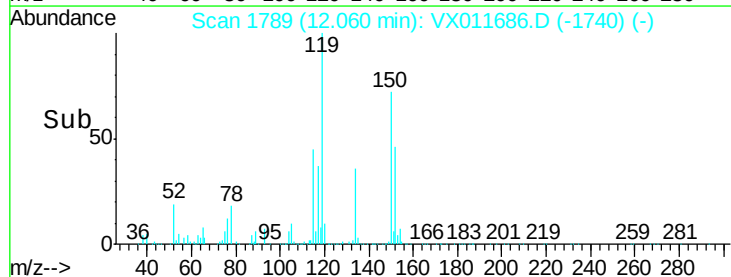
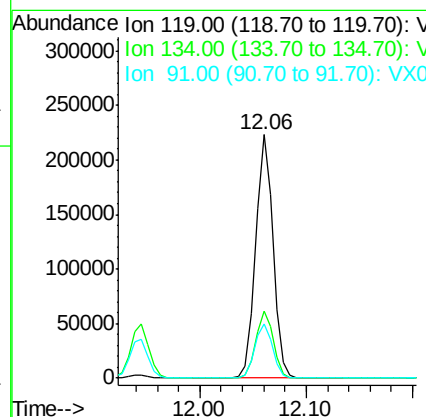
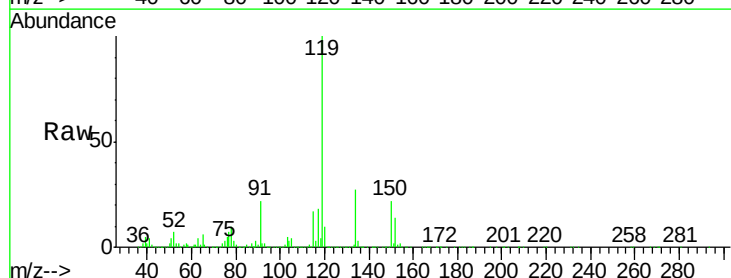
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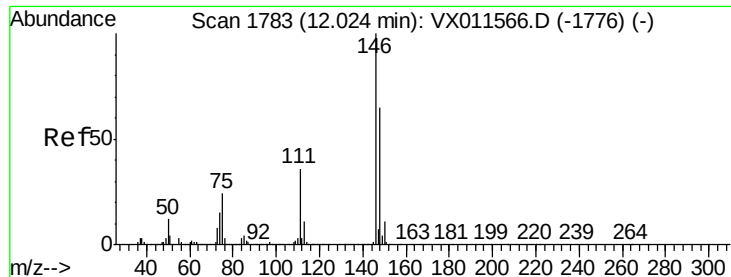
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#86
 p-Isopropyltoluene
 Concen: 20.315 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	256001		
134	27.8	13.6	40.8	
91	23.0	10.9	32.9	





#87

1,3-Dichlorobenzene

Concen: 19.311 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

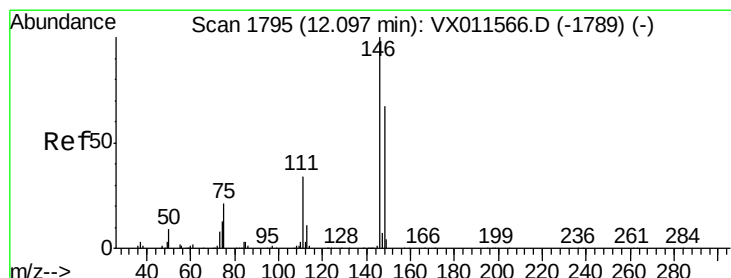
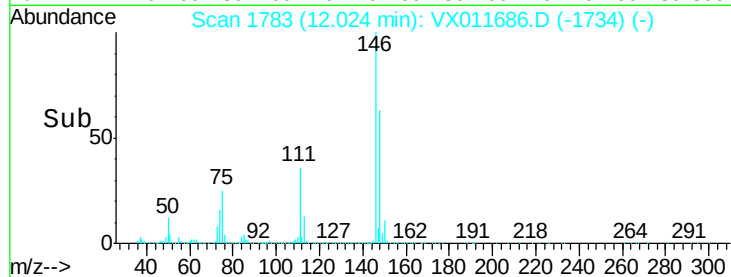
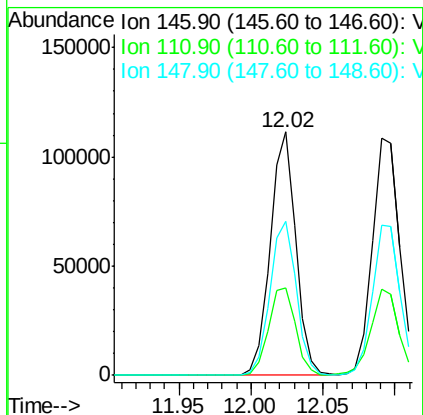
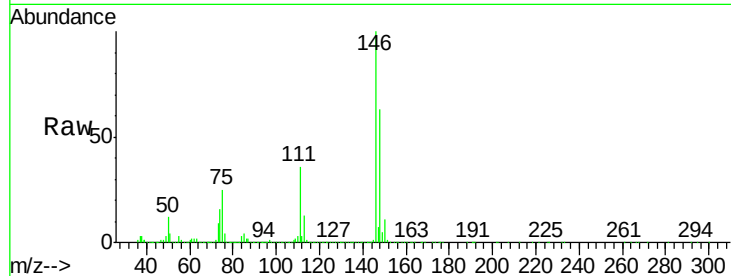
ClientSampleId :

VX0820WBSD01

Tot Ion:	146	Resp:	137040
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.1	54.4
148	65.0	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.455 ug/l

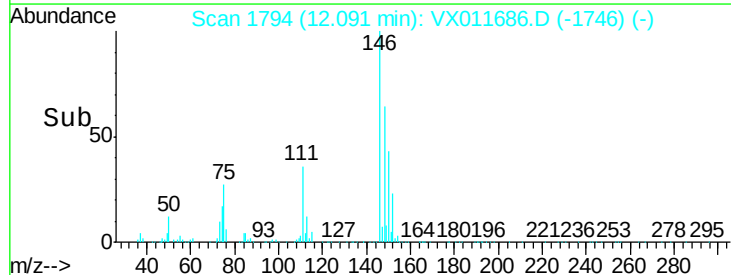
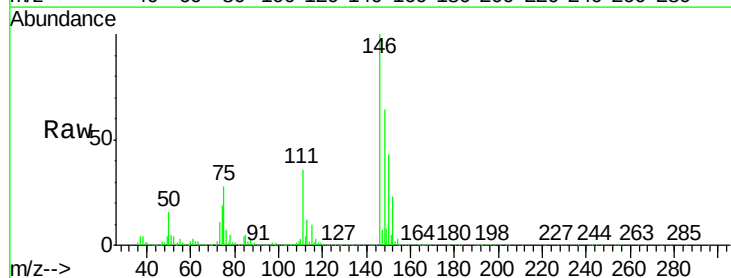
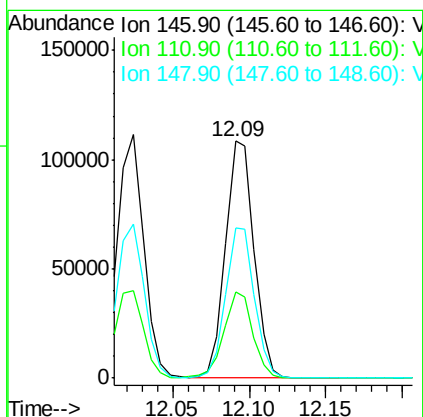
RT: 12.09 min Scan# 1794

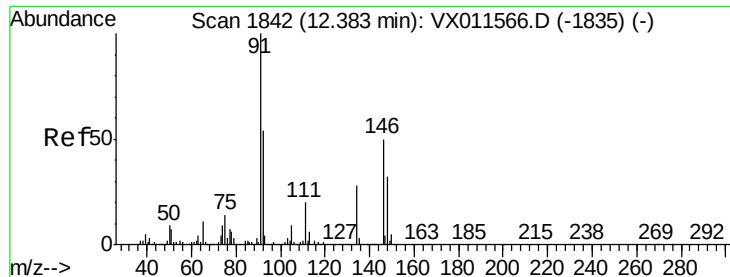
Delta R.T. -0.01 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	146	Resp:	139930
Ion Ratio	Lower	Upper	
146	100		
111	37.0	17.9	53.7
148	64.4	32.5	97.5





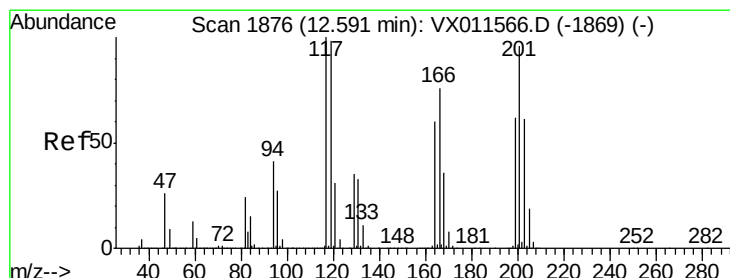
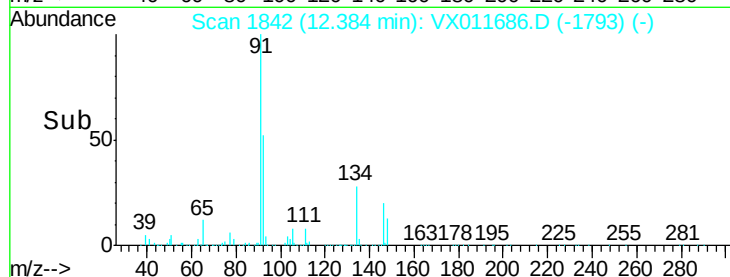
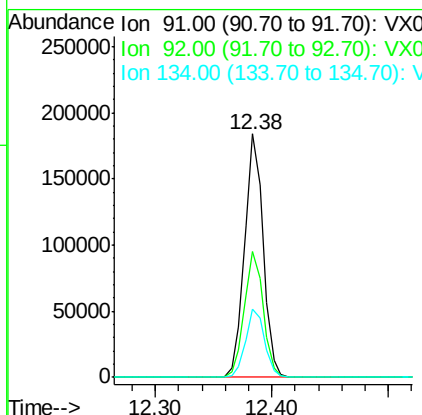
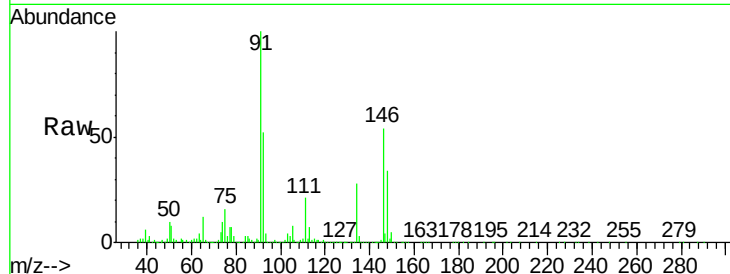
#89
n-Butylbenzene
Concen: 19.973 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	206926		
92	52.5		26.8	80.3
134	28.5		14.6	44.0

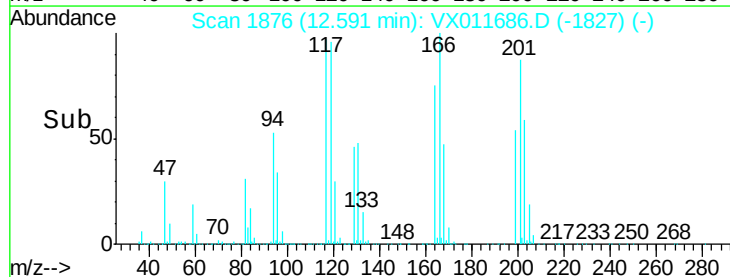
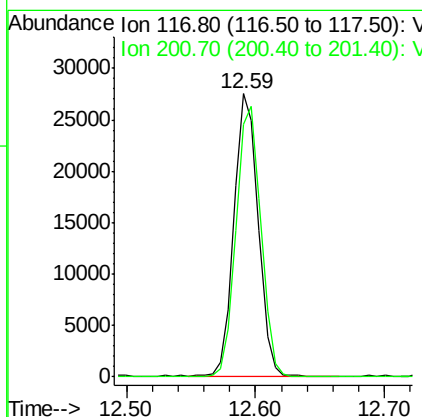
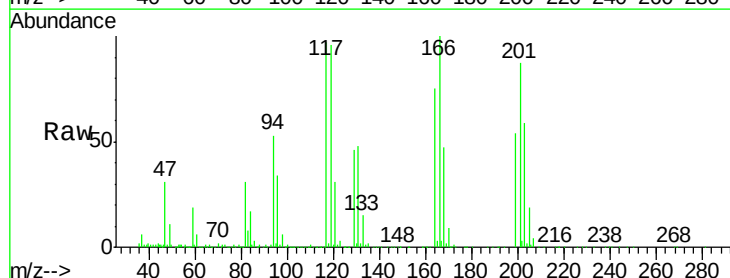
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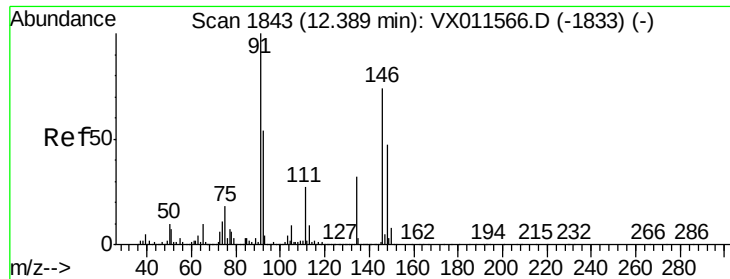
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#90
Hexachloroethane
Concen: 18.255 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011686.D
Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36327		
201	97.1		51.9	155.7





#91

1,2-Dichlorobenzene

Concen: 19.638 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

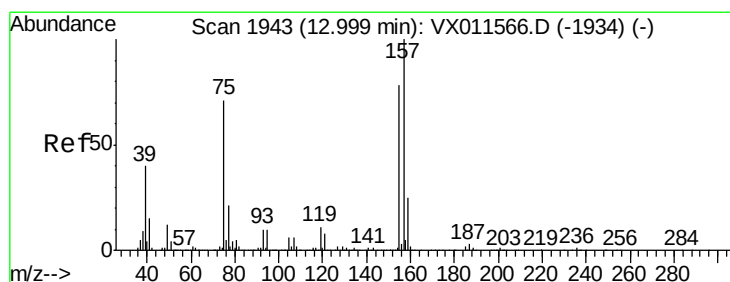
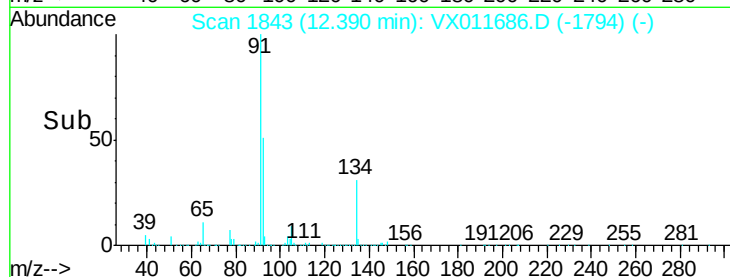
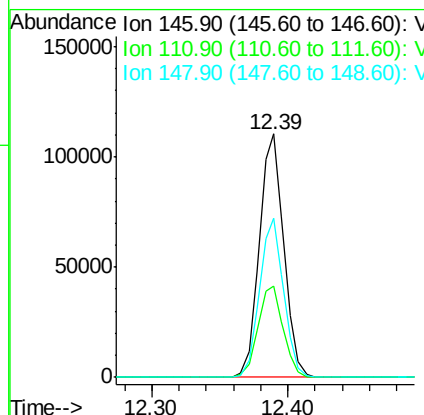
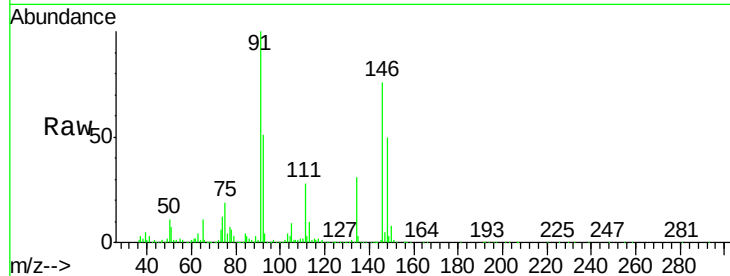
ClientSampleId :

VX0820WBSD01

Tot Ion:	146	Resp:	139894
Ion Ratio	Lower	Upper	
146	100		
111	38.9	18.9	56.7
148	64.6	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.787 ug/l

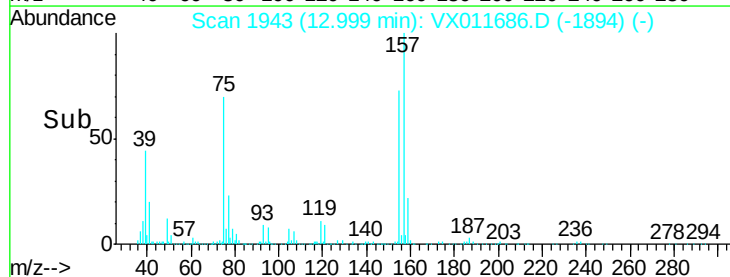
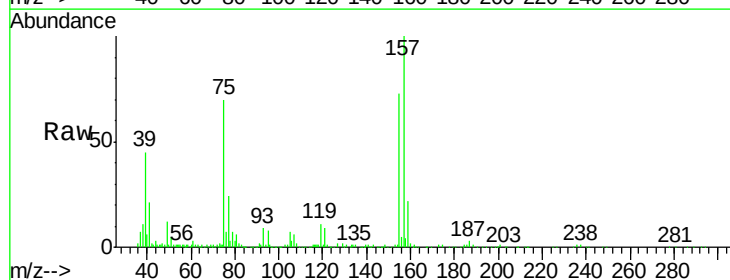
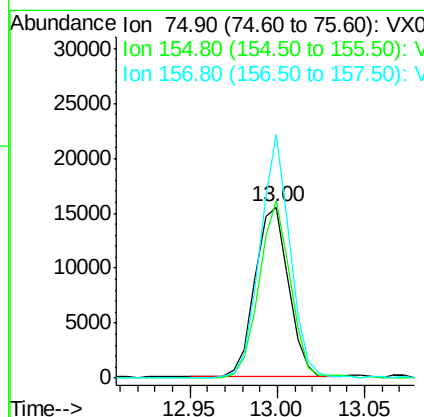
RT: 13.00 min Scan# 1943

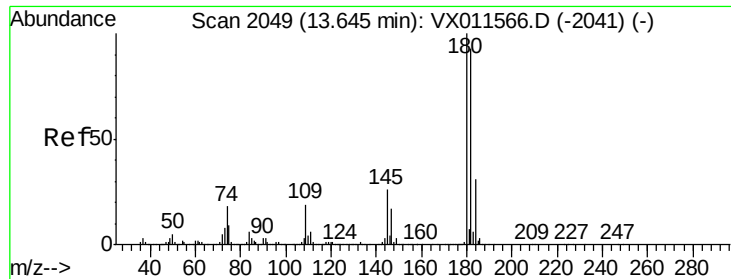
Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	75	Resp:	20517
Ion Ratio	Lower	Upper	
75	100		
155	98.2	53.0	159.0
157	129.6	68.3	205.1





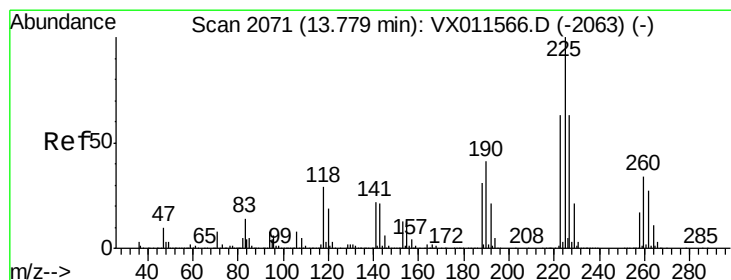
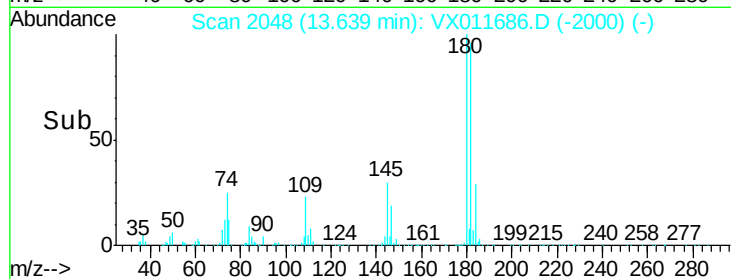
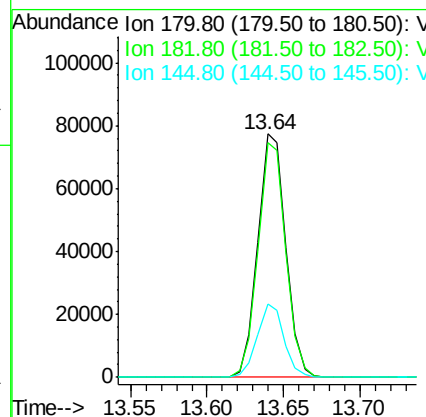
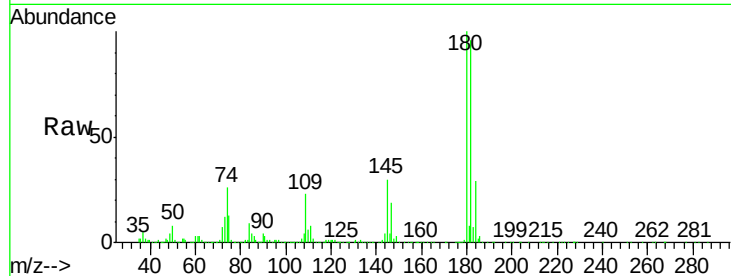
#93
 1,2,4-Trichlorobenzene
 Concen: 18.574 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98586		
182	95.9	47.3	142.0	
145	28.6	13.6	40.8	

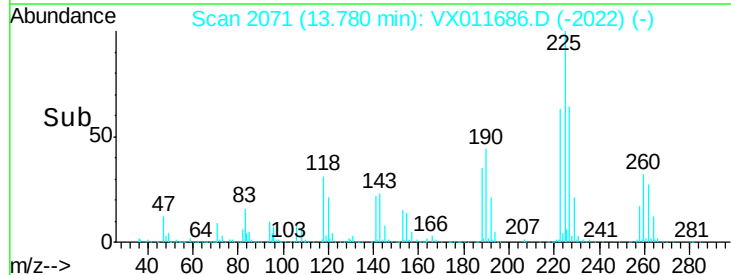
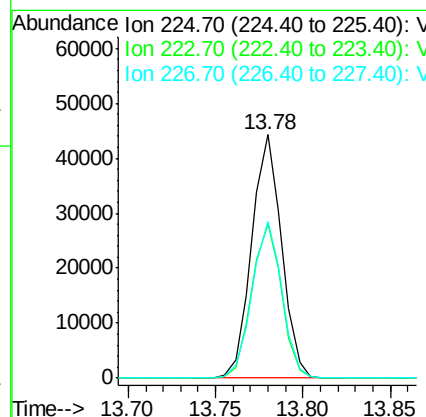
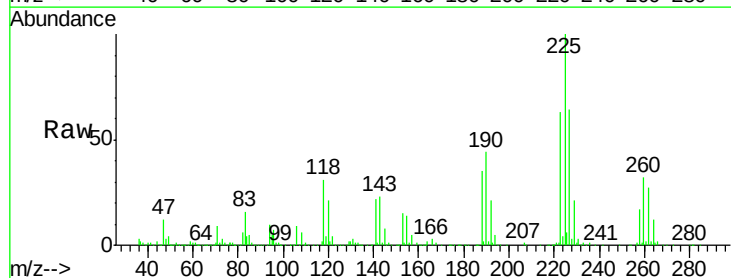
Manual Integrations
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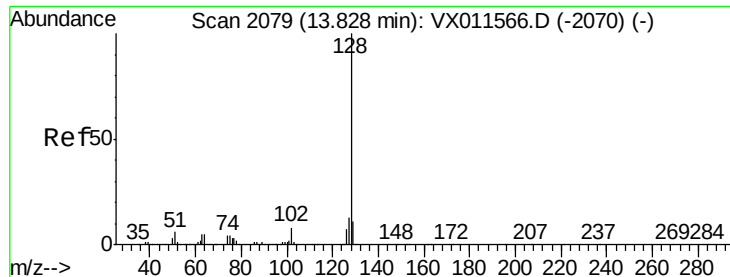
MMDadoda
 8/21/2019 8:33:19 AM



#94
 Hexachlorobutadiene
 Concen: 18.169 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011686.D
 Acq: 20 Aug 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52513		
223	63.4	31.4	94.0	
227	64.1	31.2	93.6	





#95

Naphthalene

Concen: 19.713 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Instrument :

MSVOA_X

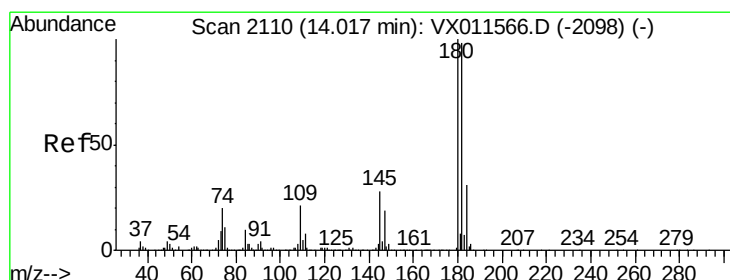
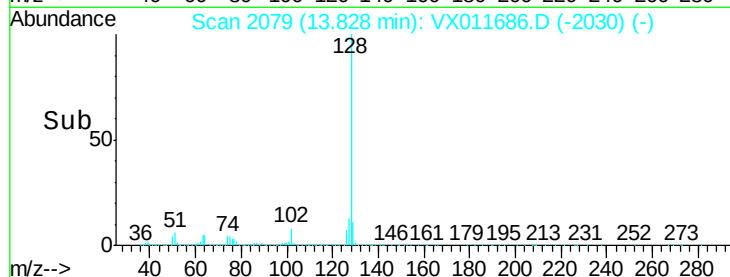
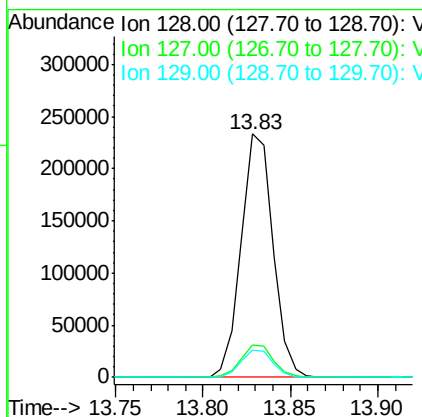
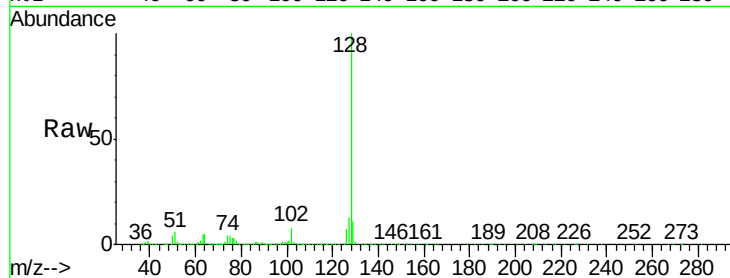
ClientSampleId :

VX0820WBSD01

Tot Ion:	128	Resp:	295804
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:33:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.390 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011686.D

Acq: 20 Aug 2019 15:48

Tgt Ion:	180	Resp:	103807
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.0	144.0
145	29.9	14.6	43.8

