

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011643.D
 Acq On : 19 Aug 2019 19:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 3:48:51 PM

Quant Time: Aug 20 11:55:34 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	359278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	473231	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	433923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	248613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	161889	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	5.49	113	151008	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	8.71	98	485257	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	204404	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	184934	52.367	ug/l	99
3) Chloromethane	1.32	50	160583	43.780	ug/l	100
4) Vinyl Chloride	1.40	62	161268	48.672	ug/l	98
5) Bromomethane	1.63	94	80107	53.957	ug/l	99
6) Chloroethane	1.71	64	82361	52.520	ug/l	97
7) Trichlorofluoromethane	1.92	101	237852	51.827	ug/l	99
8) Diethyl Ether	2.18	74	80291	51.001	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	153742	48.501	ug/l	100
10) Methyl Iodide	2.50	142	213394	47.256	ug/l	99
11) Tert butyl alcohol	3.04	59	206499	252.631	ug/l	99
12) 1,1-Dichloroethene	2.36	96	145953	47.644	ug/l	98
13) Acrolein	2.29	56	64814	257.325	ug/l	98
14) Allyl chloride	2.72	41	255513	50.140	ug/l	99
15) Acrylonitrile	3.14	53	481275	257.260	ug/l	100
16) Acetone	2.43	43	404758	241.602	ug/l	99
17) Carbon Disulfide	2.56	76	344752	47.759	ug/l	98
18) Methyl Acetate	2.76	43	275261	52.979	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	521991	52.319	ug/l	99
20) Methylene Chloride	2.85	84	168931	48.025	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	159685	49.190	ug/l	98
22) Diisopropyl ether	3.85	45	517288	50.971	ug/l	99
23) Vinyl Acetate	3.81	43	2093557	260.510	ug/l	99
24) 1,1-Dichloroethane	3.69	63	284712	49.620	ug/l	100
25) 2-Butanone	4.67	43	668902	254.327	ug/l	97
26) 2,2-Dichloropropane	4.57	77	206391	47.792	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	188608	49.838	ug/l	99
28) Bromochloromethane	5.01	49	119072	47.273	ug/l	100
29) Tetrahydrofuran	5.12	42	441407	255.849	ug/l	100
30) Chloroform	5.20	83	301208	49.741	ug/l	98
31) Cyclohexane	5.57	56	250742	50.755	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	266560	51.194	ug/l	99
36) 1,1-Dichloropropene	5.79	75	216713	53.561	ug/l	99
37) Ethyl Acetate	4.82	43	249493	53.611	ug/l	99
38) Carbon Tetrachloride	5.78	117	234667	52.643	ug/l	100

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 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)
39) Methylcyclohexane	7.46	83	263027	52.641	ug/l	98
40) Benzene	6.13	78	642402	51.092	ug/l	100
41) Methacrylonitrile	5.03	41	141331	55.180	ug/l	99
42) 1,2-Dichloroethane	6.18	62	234540	53.840	ug/l	98
43) Isopropyl Acetate	6.44	43	387519	53.357	ug/l	98
44) Trichloroethene	7.21	130	193362	51.840	ug/l	99
45) 1,2-Dichloropropane	7.51	63	168101	53.608	ug/l	98
46) Dibromomethane	7.66	93	116913	51.307	ug/l	100
47) Bromodichloromethane	7.90	83	223570	53.435	ug/l	100
48) Methyl methacrylate	7.76	41	198778	55.268	ug/l	99
49) 1,4-Dioxane	7.74	88	97464	1018.845	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1300718	273.619	ug/l	100
52) Toluene	8.78	92	408480	50.994	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	228929	52.721	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	265205	55.808	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	167464	49.161	ug/l	98
56) Ethyl methacrylate	9.18	69	256934	51.895	ug/l	96
57) 1,3-Dichloropropane	9.37	76	266157	49.154	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	664338	269.298	ug/l	99
59) 2-Hexanone	9.49	43	933464	254.636	ug/l	99
60) Dibromochloromethane	9.58	129	186319	52.497	ug/l	99
61) 1,2-Dibromoethane	9.67	107	180618	49.682	ug/l	100
64) Tetrachloroethene	9.34	164	166958	46.895	ug/l	98
65) Chlorobenzene	10.13	112	469922	50.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	184346	53.290	ug/l	100
67) Ethyl Benzene	10.25	91	820742	53.136	ug/l	99
68) m/p-Xylenes	10.35	106	646911	109.110	ug/l	97
69) o-Xylene	10.69	106	313120	53.915	ug/l	98
70) Styrene	10.71	104	529699	54.179	ug/l	100
71) Bromoform	10.85	173	163167	48.634	ug/l #	99
73) Isopropylbenzene	11.02	105	836711	51.866	ug/l	99
74) N-amyl acetate	10.90	43	346736	50.577	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	275196	49.589	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	237327m	50.342	ug/l	
77) Bromobenzene	11.25	156	240156	50.037	ug/l	98
78) n-propylbenzene	11.36	91	911634	52.407	ug/l	99
79) 2-Chlorotoluene	11.42	91	549081	51.404	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	716306	52.858	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	81371	47.049	ug/l	98
82) 4-Chlorotoluene	11.51	91	634765	51.222	ug/l	99
83) tert-Butylbenzene	11.77	119	722149	52.322	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	726957	53.434	ug/l	100
85) sec-Butylbenzene	11.94	105	814433	52.301	ug/l	100
86) p-Isopropyltoluene	12.06	119	781104	53.319	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	421807	51.129	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	425130	50.844	ug/l	99
89) n-Butylbenzene	12.38	91	637672	52.945	ug/l	100
90) Hexachloroethane	12.59	117	124411	53.779	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	425408	51.369	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	63598	50.092	ug/l	98

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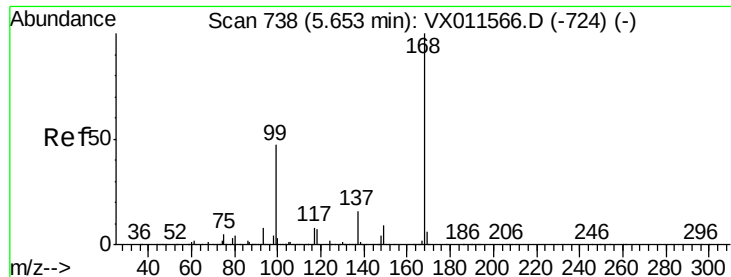
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	326955	52.987	ug/l	99
94) Hexachlorobutadiene	13.78	225	170475	50.737	ug/l	99
95) Naphthalene	13.83	128	969661	55.587	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	329338	52.917	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: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 359278

Ion Ratio Lower Upper

168 100

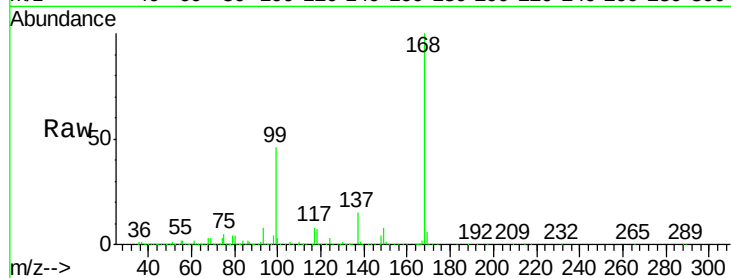
99 45.9 37.3 55.9

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

150000

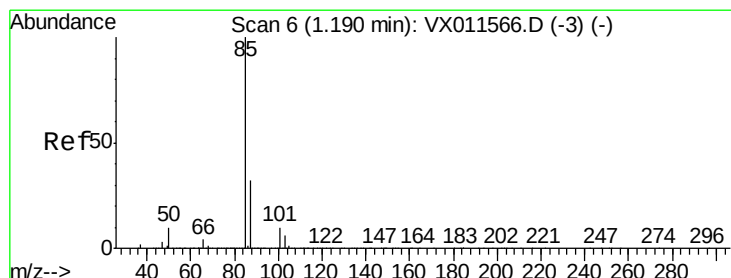
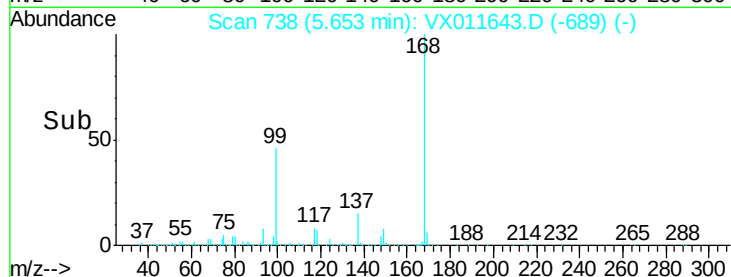
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50000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 52.367 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011643.D

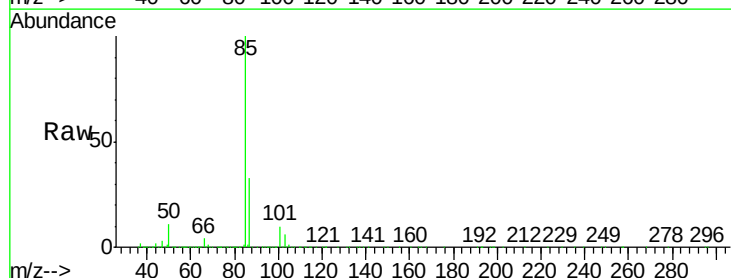
Acq: 19 Aug 2019 19:37

Tgt Ion: 85 Resp: 184934

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

150000

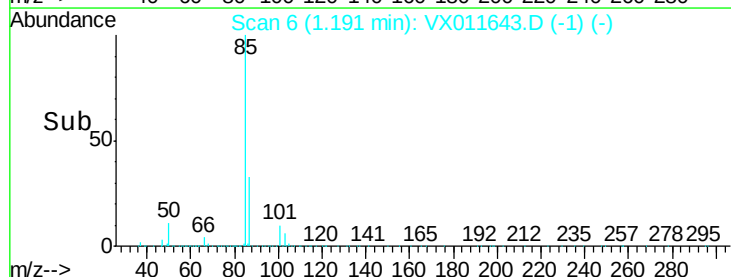
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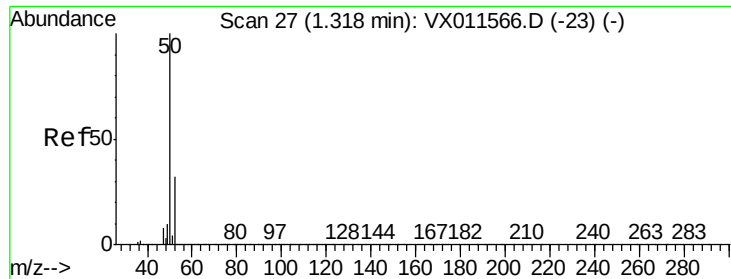
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 43.780 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 160583

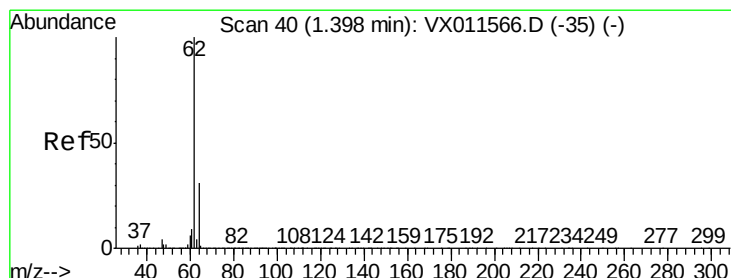
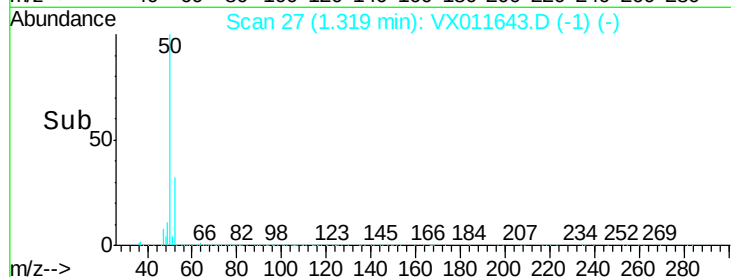
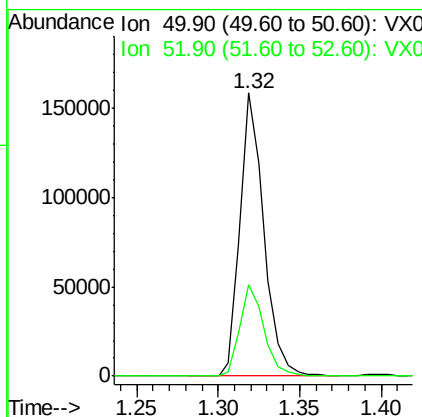
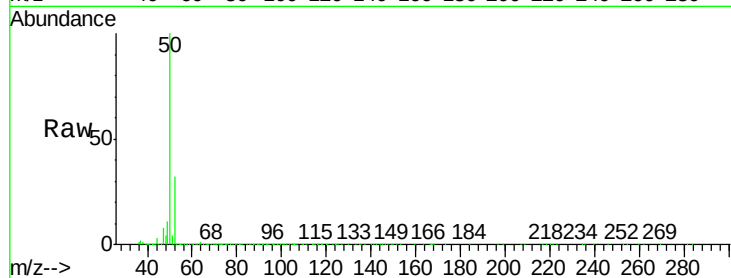
Ion Ratio Lower Upper

50 100

52 32.3 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.672 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011643.D

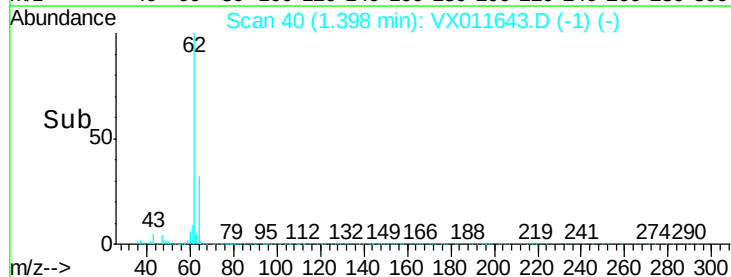
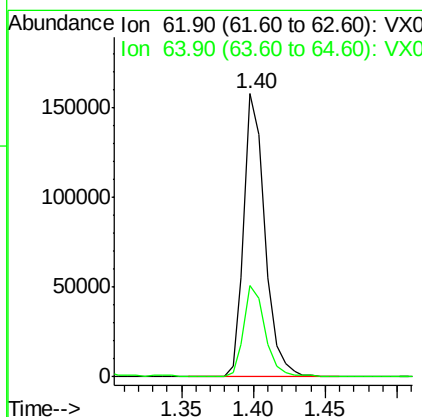
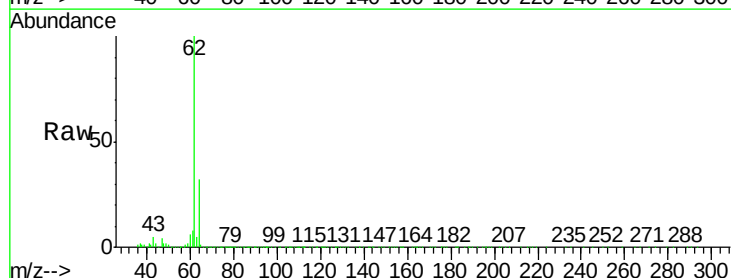
Acq: 19 Aug 2019 19:37

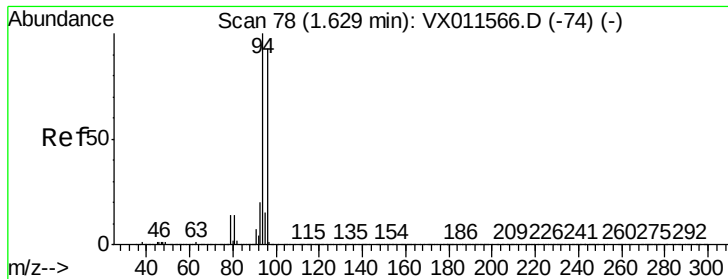
Tgt Ion: 62 Resp: 161268

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 53.957 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tot Ion: 94 Resp: 80107

Ion Ratio Lower Upper

94 100

96 94.1 74.8 112.2

Instrument :

MSVOA_X

ClientSampleId :

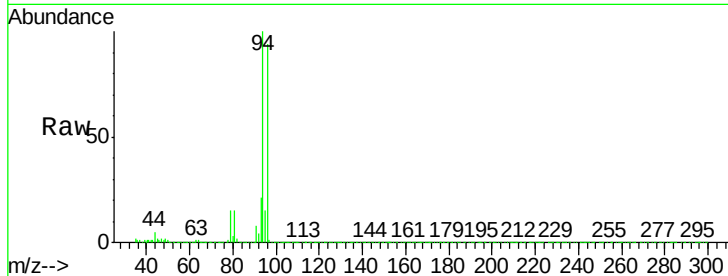
VSTDCCC050EC

Manual Integrations

APPROVED

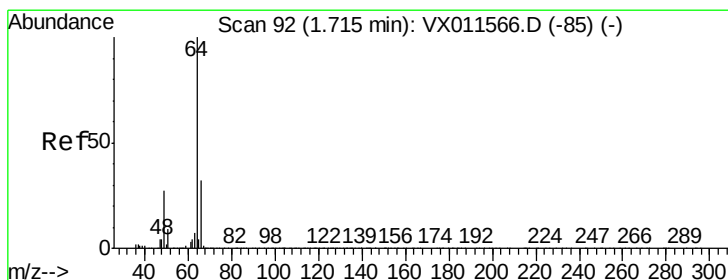
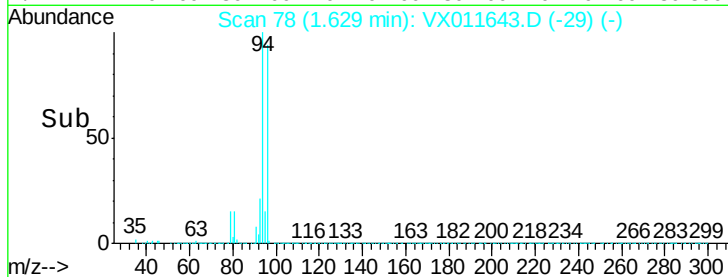
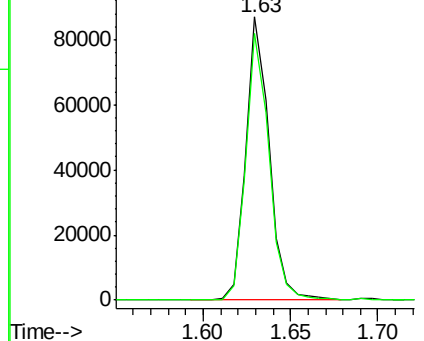
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.520 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011643.D

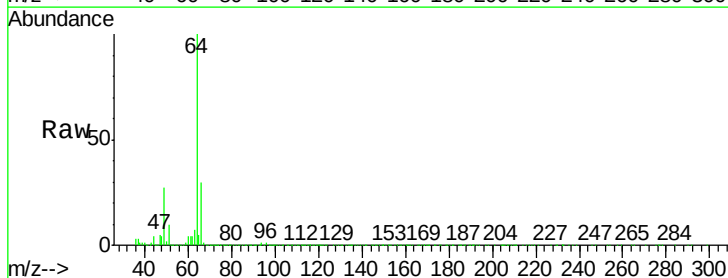
Acq: 19 Aug 2019 19:37

Tgt Ion: 64 Resp: 82361

Ion Ratio Lower Upper

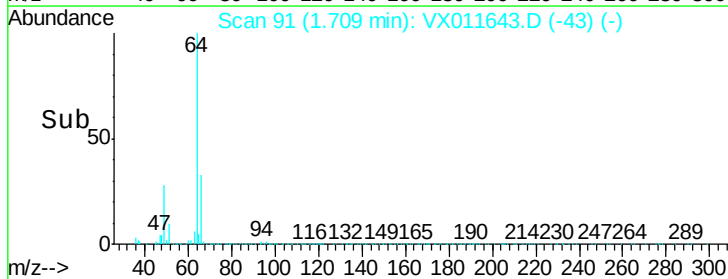
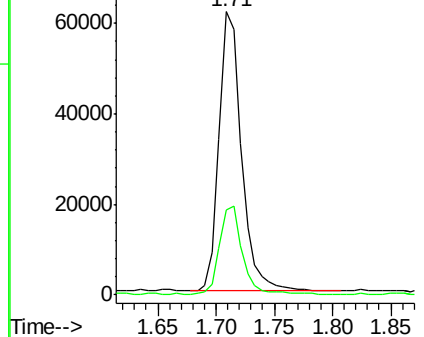
64 100

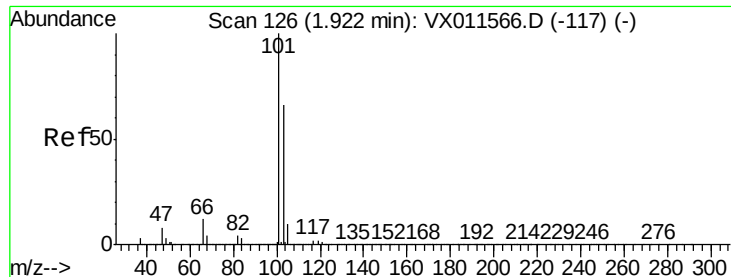
66 30.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

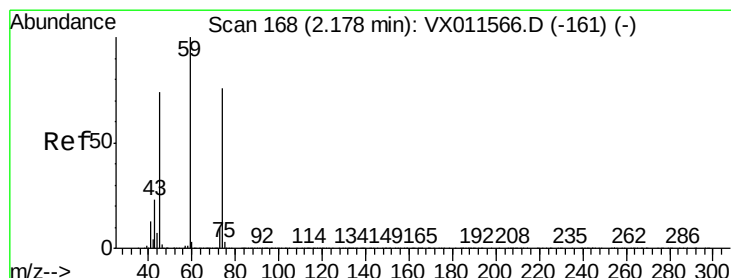
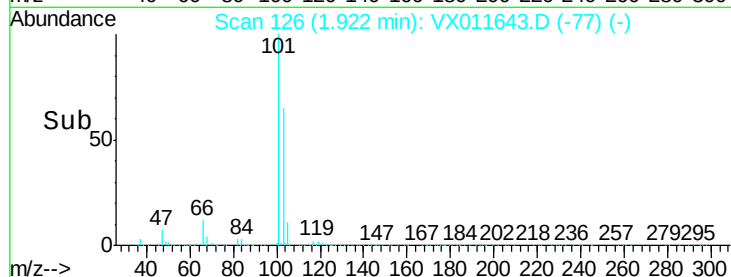
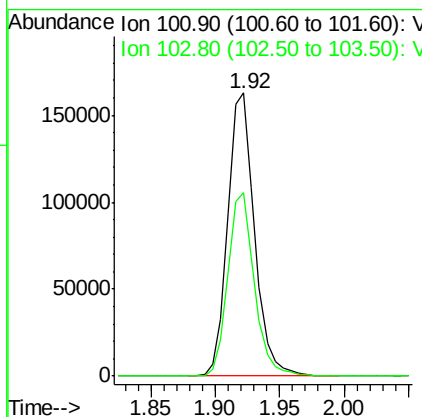
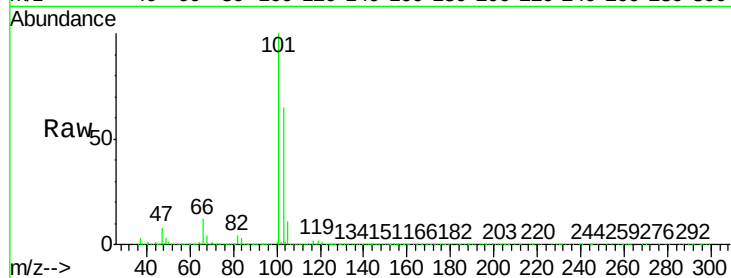
Trichlorofluoromethane
Concen: 51.827 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.9	79.3

Manual Integrations
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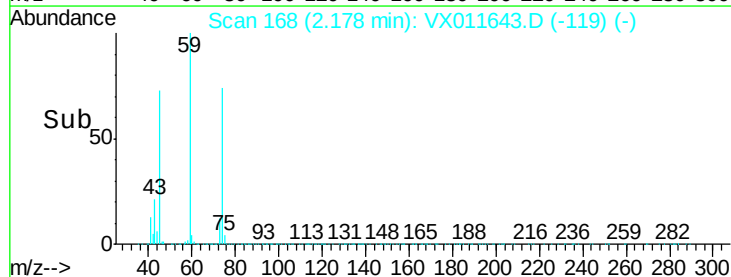
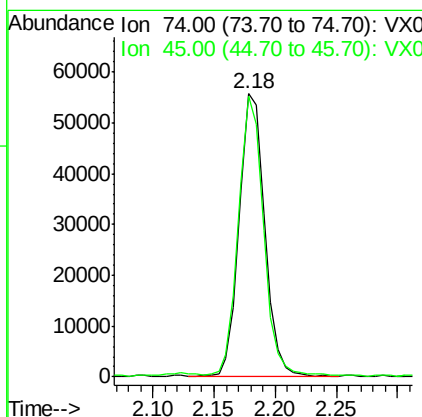
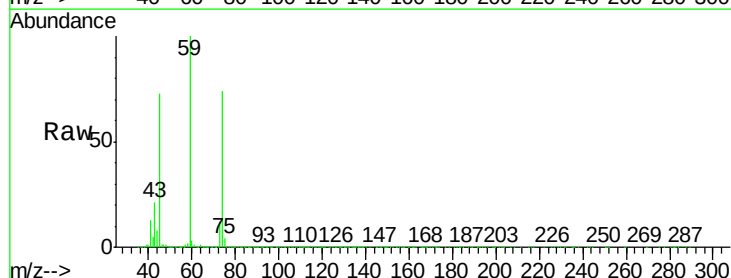
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8/20/2019 3:48:51 PM

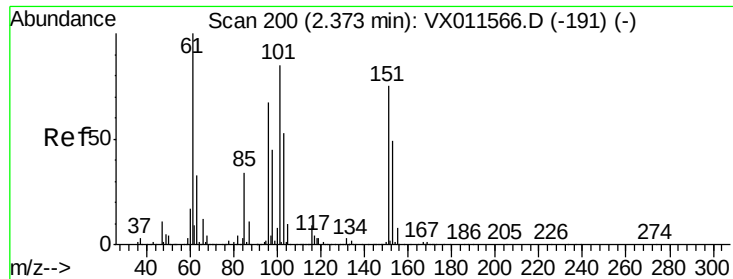


#8

Diethyl Ether
Concen: 51.001 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.501 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

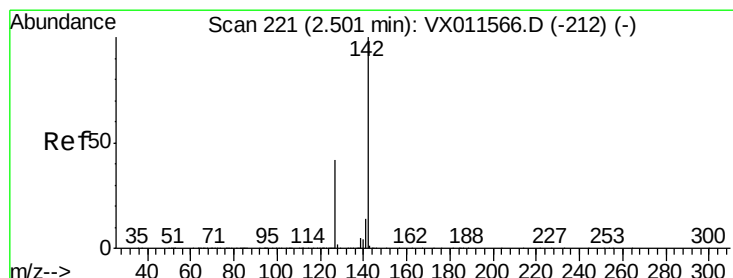
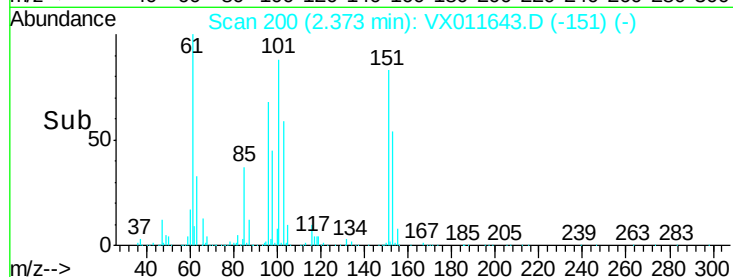
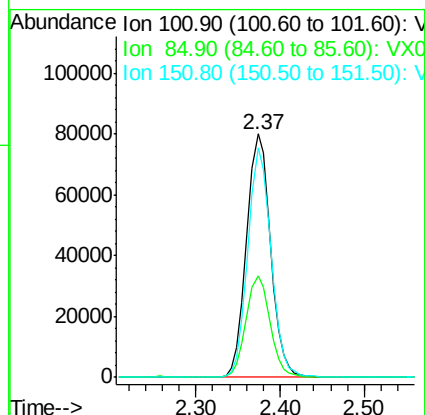
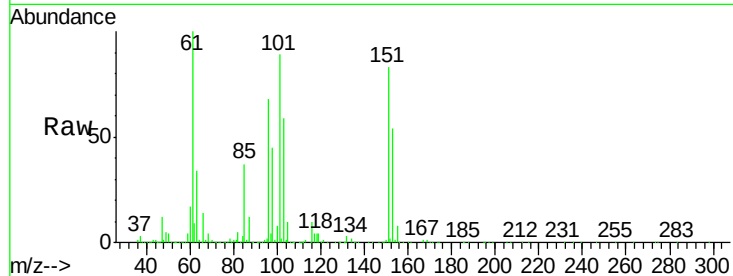
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	153742
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.0	49.4
151	91.2	73.3	109.9

Manual Integrations
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#10

Methyl Iodide

Concen: 47.256 ug/l

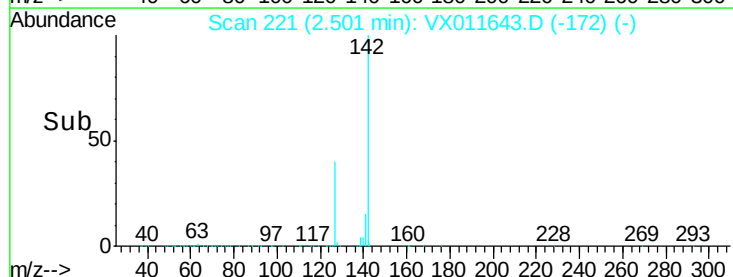
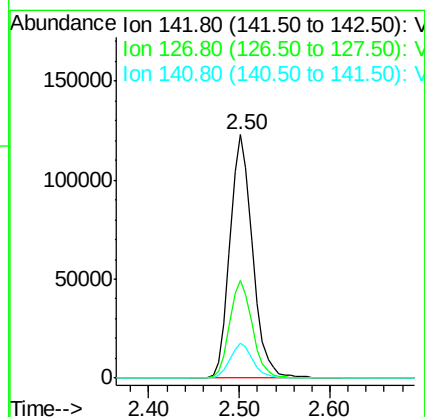
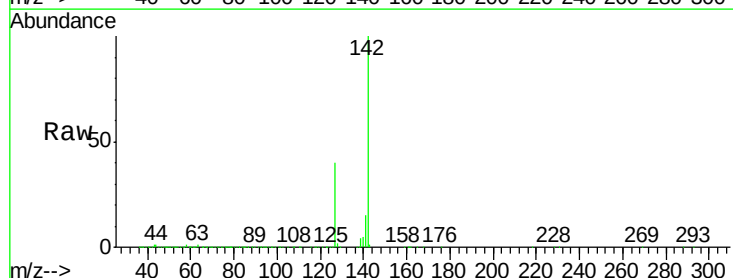
RT: 2.50 min Scan# 221

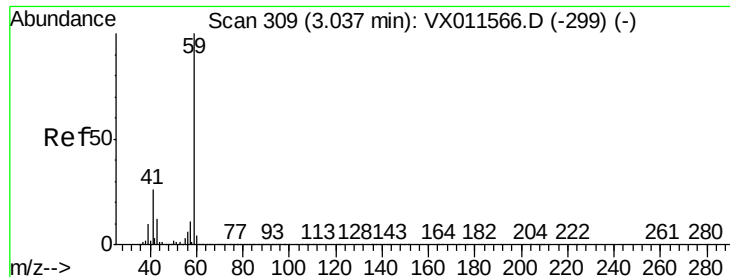
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	142	Resp:	213394
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.8	49.2
141	14.6	11.4	17.2





#11

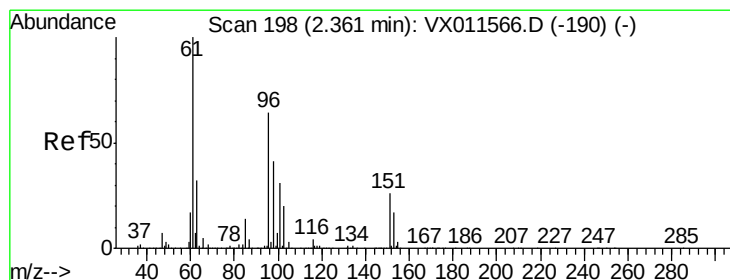
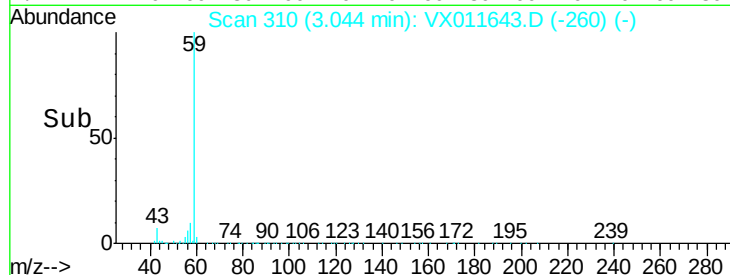
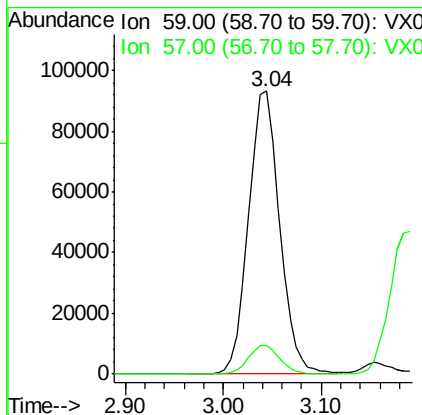
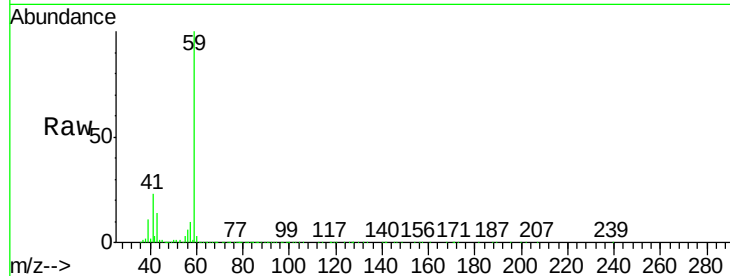
Tert butyl alcohol
 Concen: 252.631 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.7	13.1

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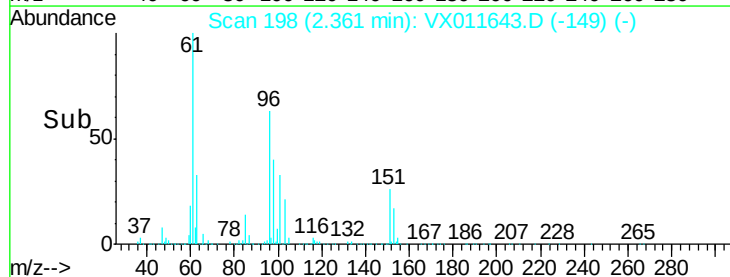
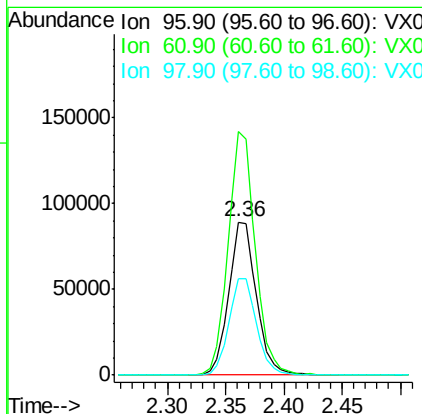
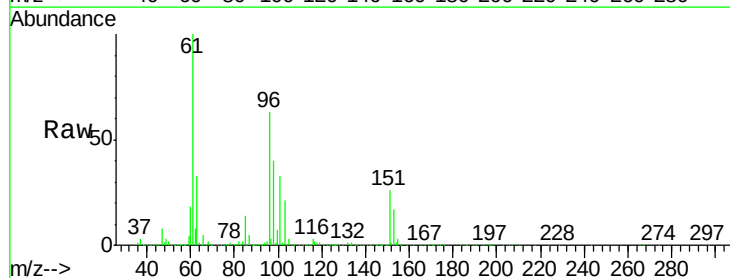
MMDadoda
 8/20/2019 3:48:51 PM

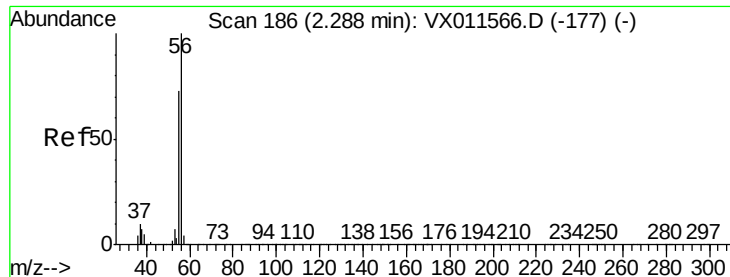


#12

1,1-Dichloroethene
 Concen: 47.644 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	125.0	187.4
98	63.2	51.5	77.3





#13

Acrolein

Concen: 257.325 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 64814

Ion Ratio Lower Upper

56 100

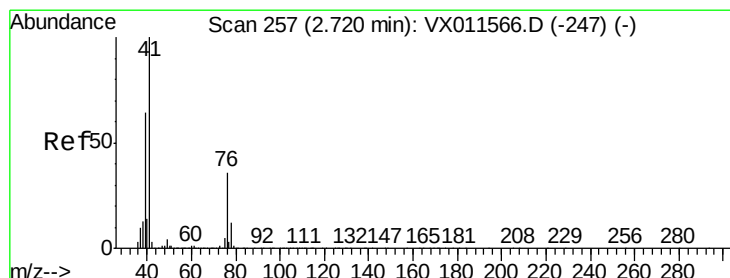
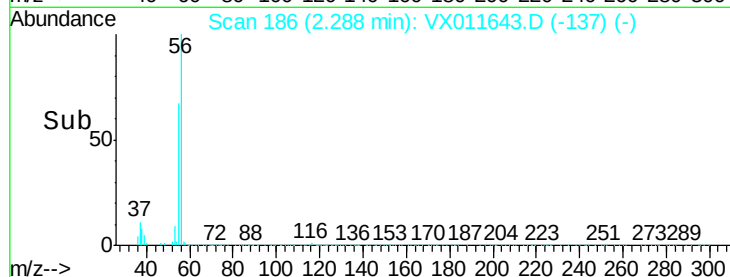
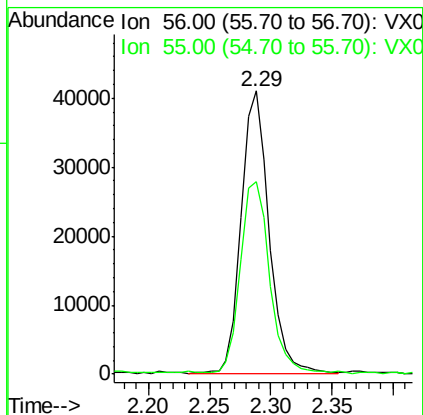
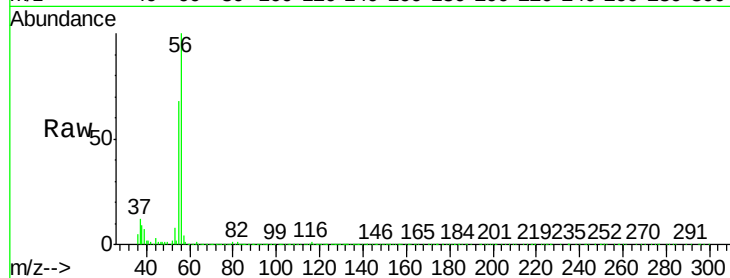
55 70.9 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 50.140 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

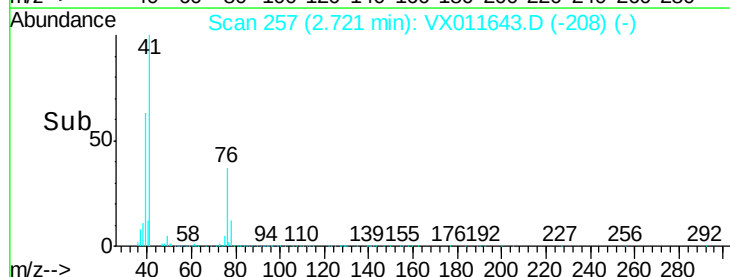
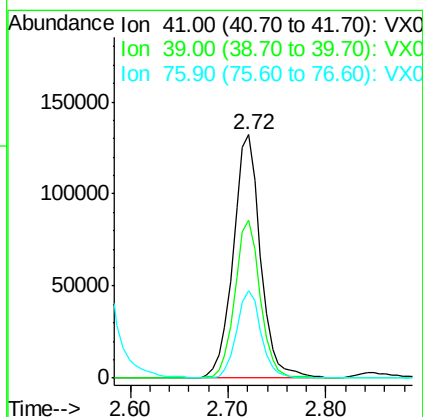
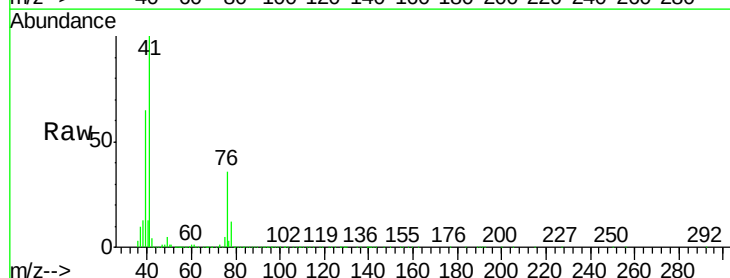
Tgt Ion: 41 Resp: 255513

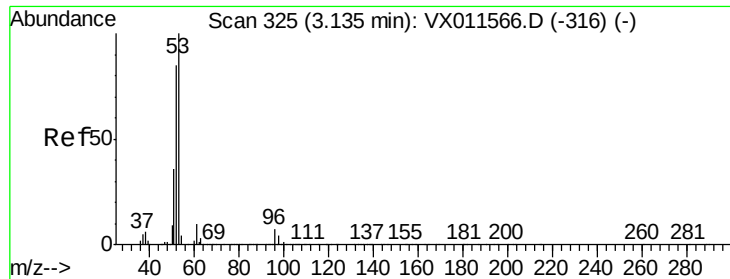
Ion Ratio Lower Upper

41 100

39 60.4 47.5 71.3

76 32.4 26.3 39.5





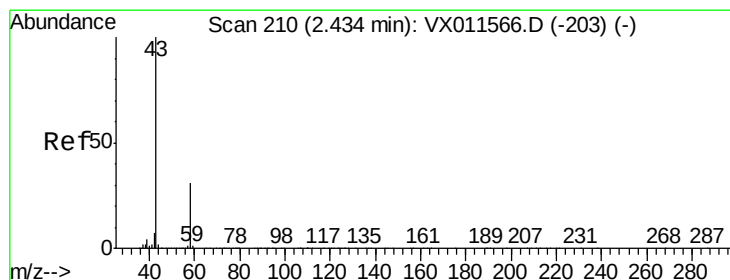
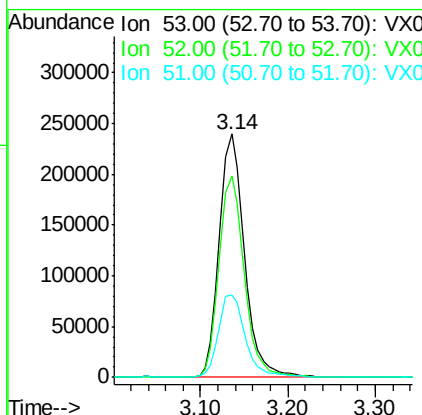
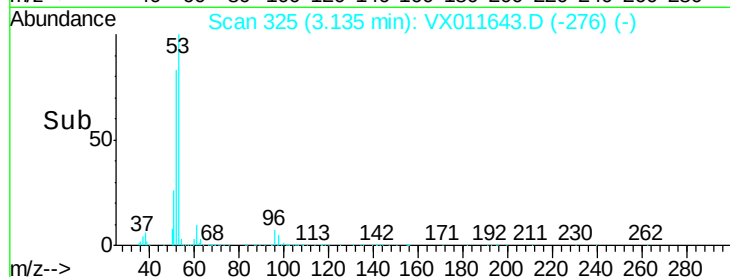
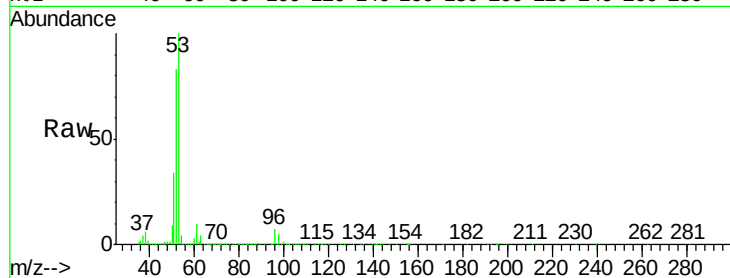
#15
 Acrylonitrile
 Concen: 257.260 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	53	Resp	481275
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	36.1	28.7	43.1

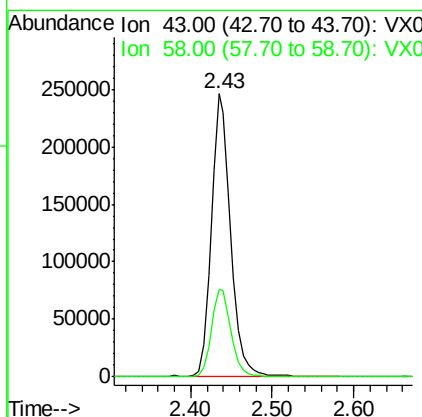
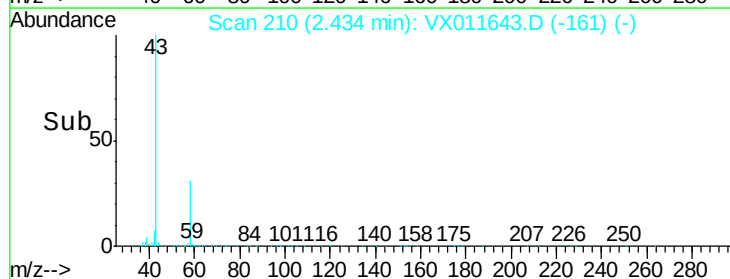
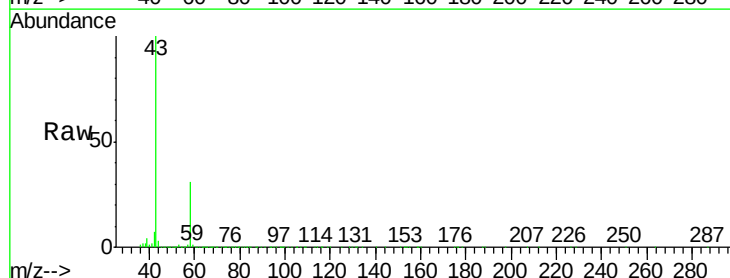
Manual Integrations
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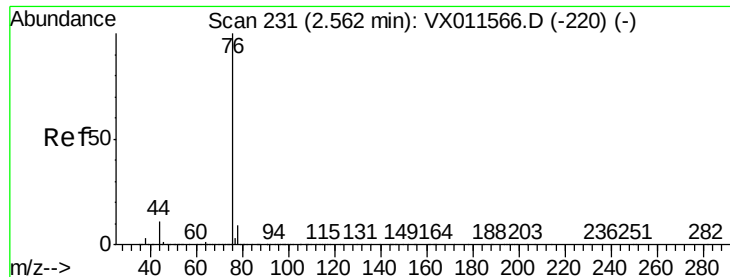
MMDadoda
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#16
 Acetone
 Concen: 241.602 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Tgt Ion	43	Resp	404758
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.2	37.8





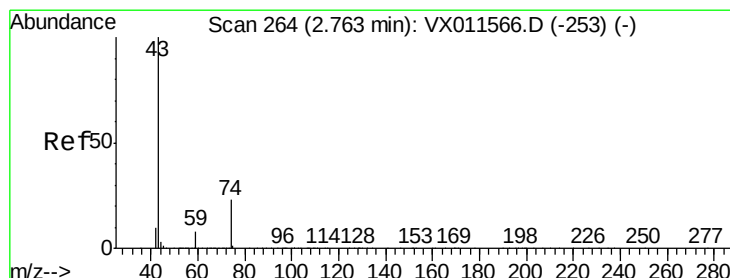
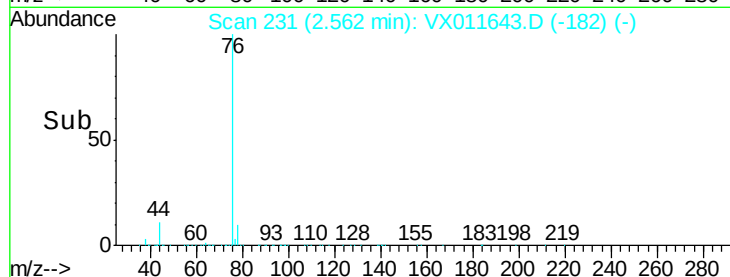
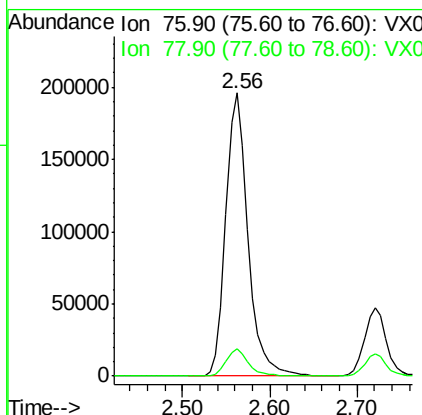
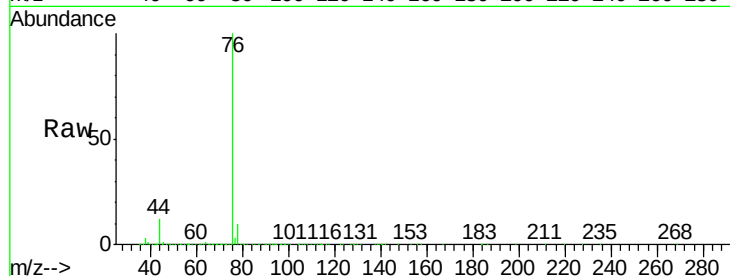
#17
Carbon Disulfide
Concen: 47.759 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.2	10.8

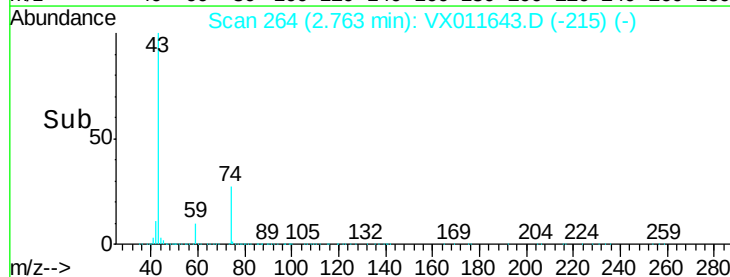
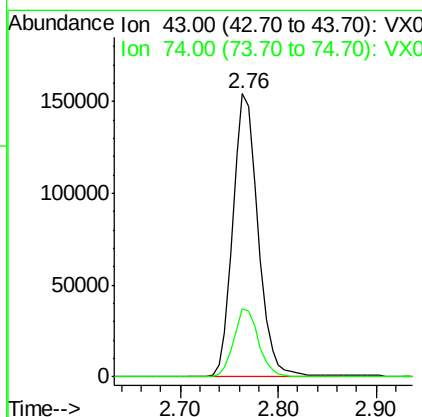
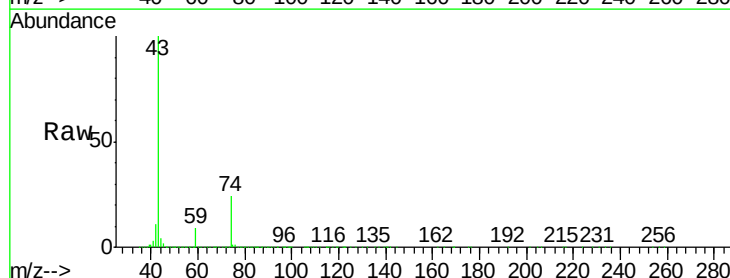
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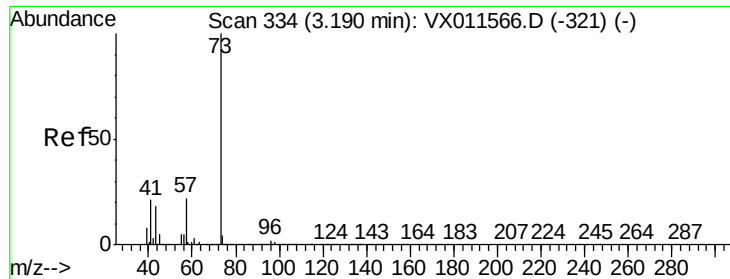
MMDadoda
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#18
Methyl Acetate
Concen: 52.979 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.7	29.5





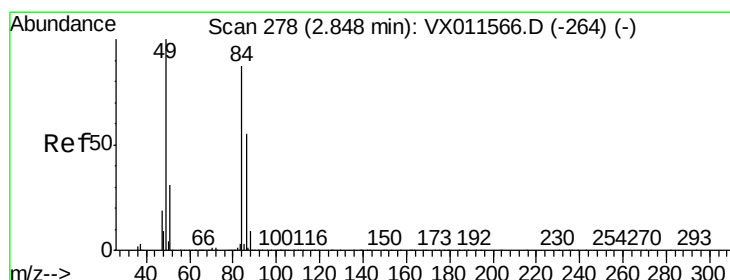
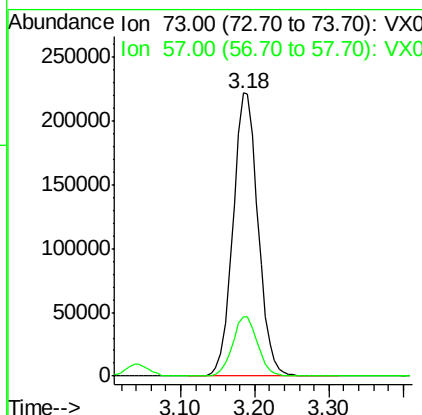
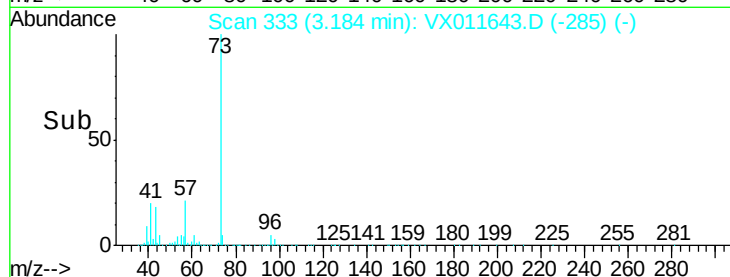
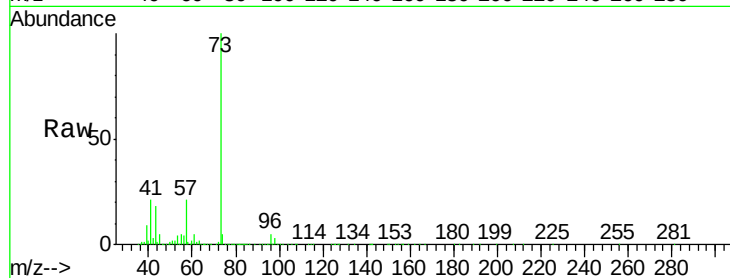
#19
Methyl tert-butyl Ether
Concen: 52.319 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.2	25.8

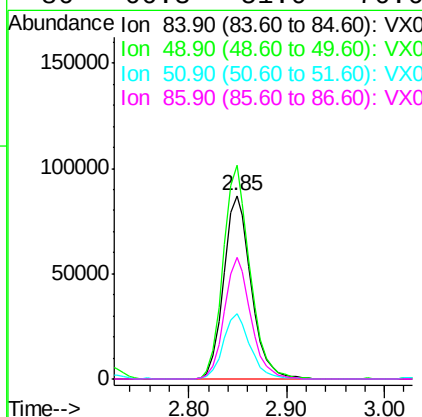
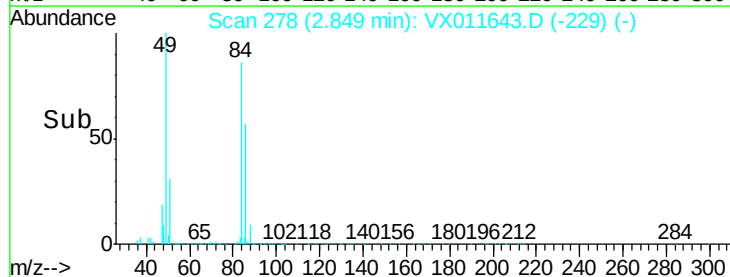
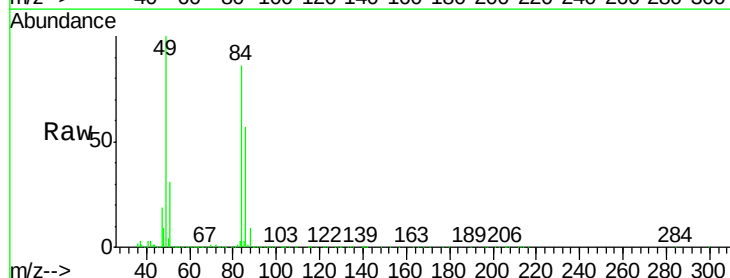
Manual Integrations
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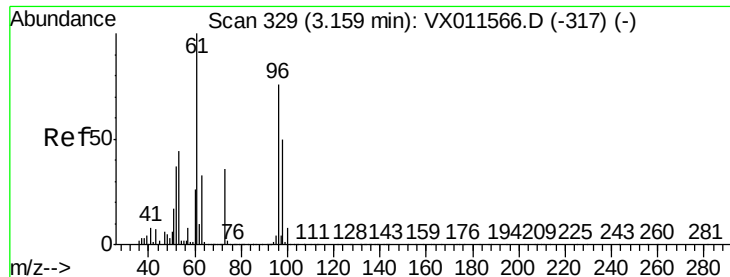
MMDadoda
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#20
Methylene Chloride
Concen: 48.025 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.3	92.4	138.6
51	35.8	28.5	42.7
86	66.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.190 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

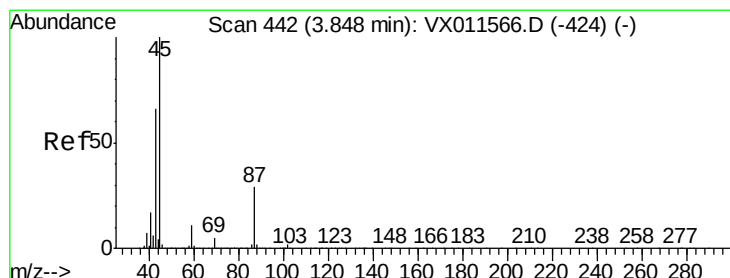
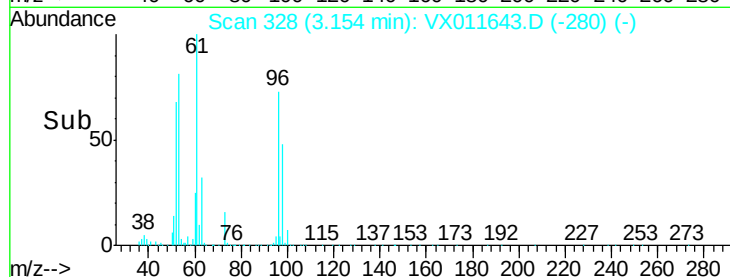
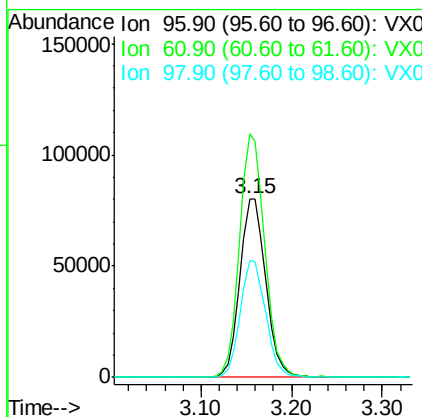
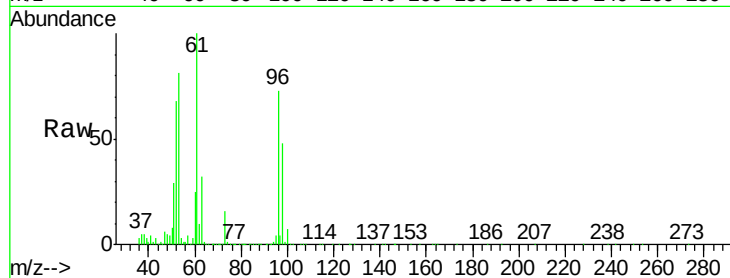
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	159685
Ion	Ratio	Lower	Upper
96	100		
61	136.0	105.5	158.3
98	65.3	52.6	78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.971 ug/l

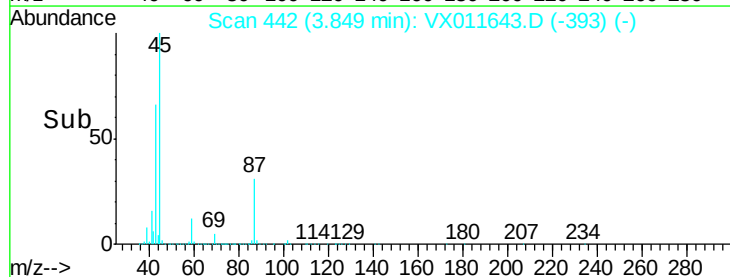
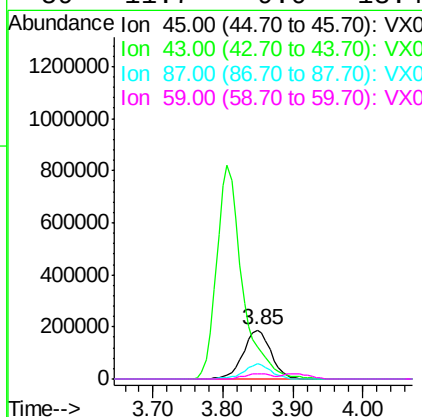
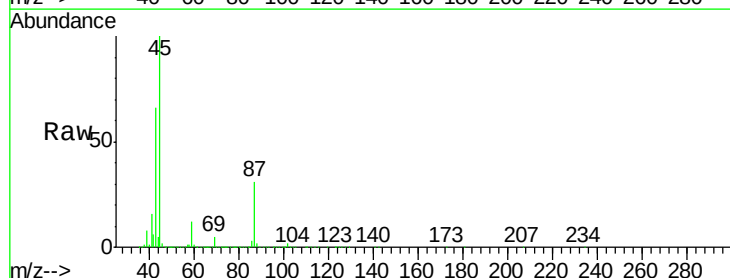
RT: 3.85 min Scan# 442

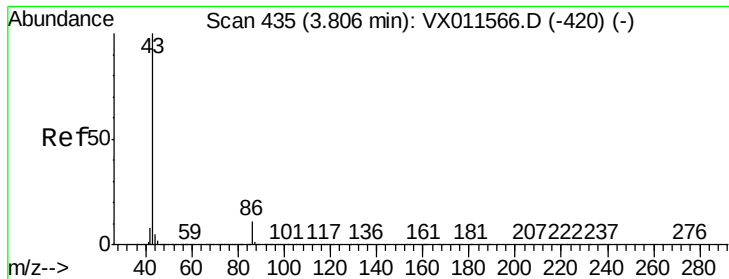
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	45	Resp:	517288
Ion	Ratio	Lower	Upper
45	100		
43	66.0	52.7	79.1
87	30.6	23.5	35.3
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 260.510 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tot Ion: 43 Resp: 2093557

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

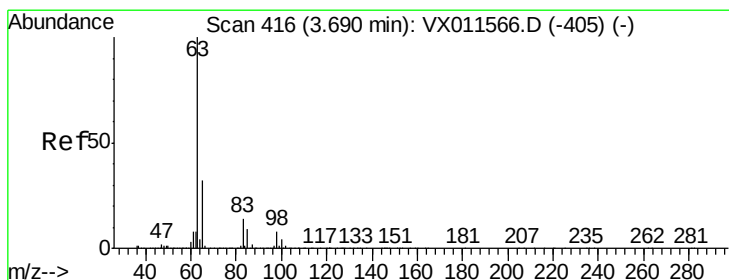
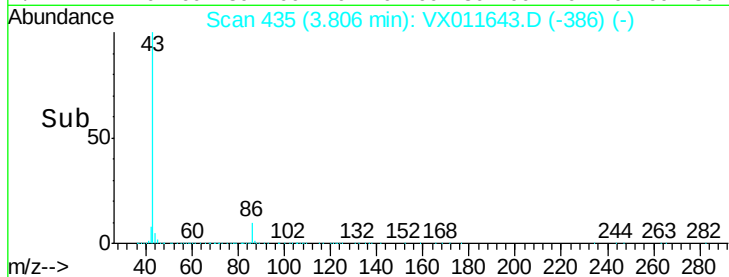
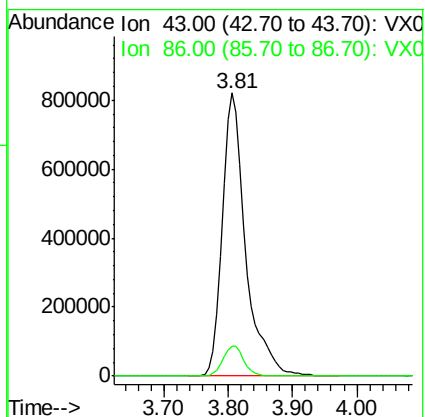
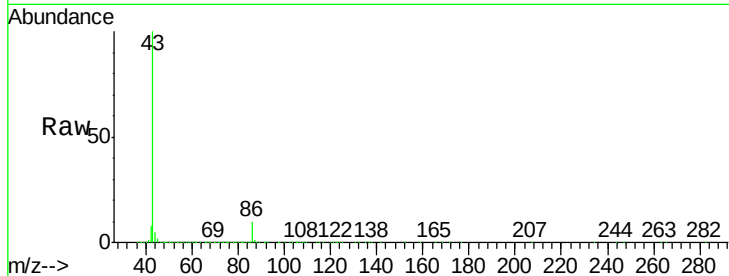
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.620 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

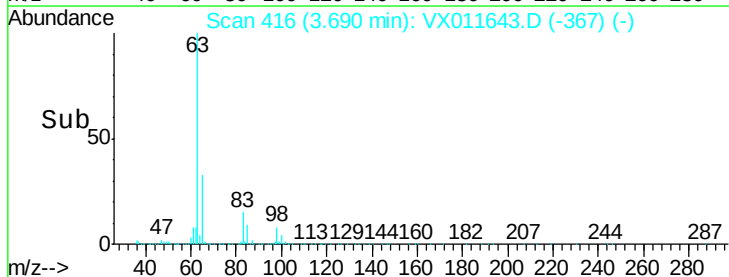
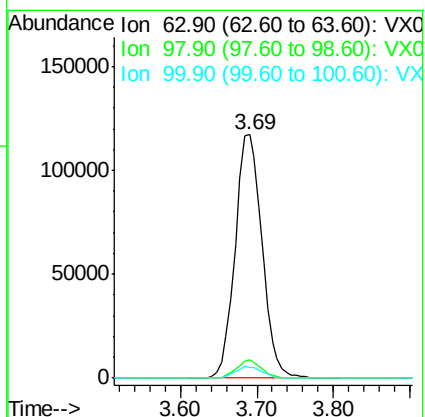
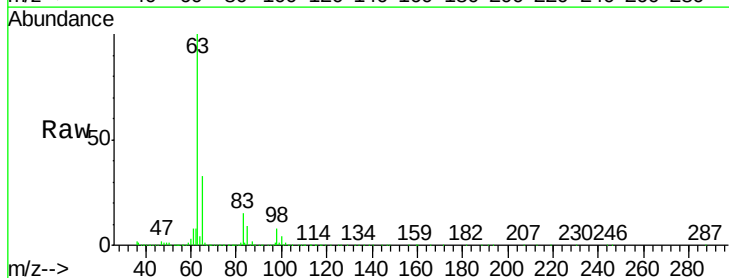
Tgt Ion: 63 Resp: 284712

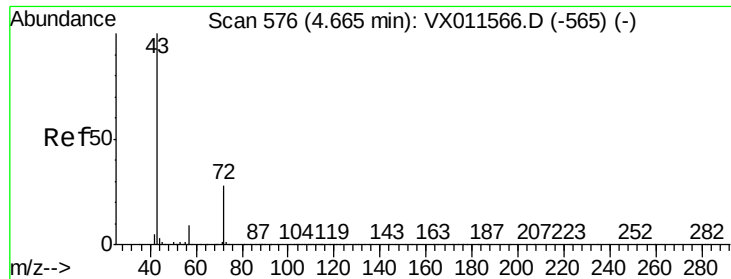
Ion Ratio Lower Upper

63 100

98 7.5 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 254.327 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tot Ion: 43 Resp: 668902

Ion Ratio Lower Upper

43 100

72 26.0 22.2 33.4

Instrument :

MSVOA_X

ClientSampleId :

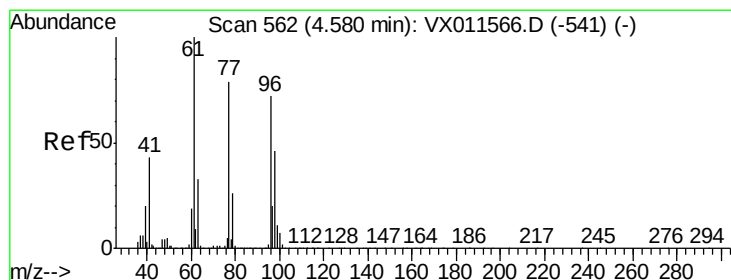
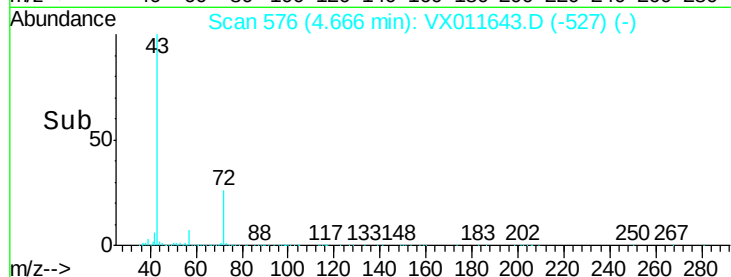
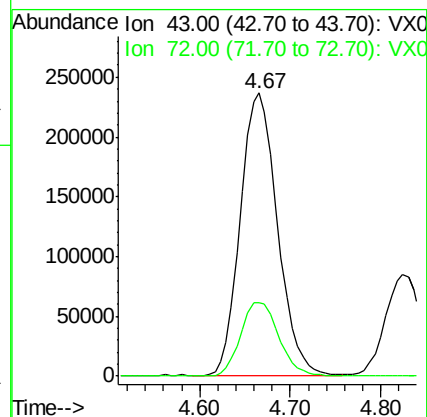
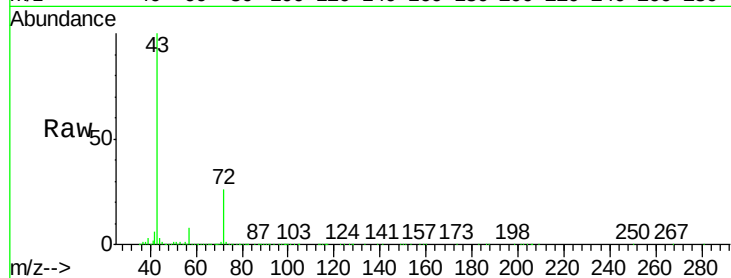
VSTDCCC050EC

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.792 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011643.D

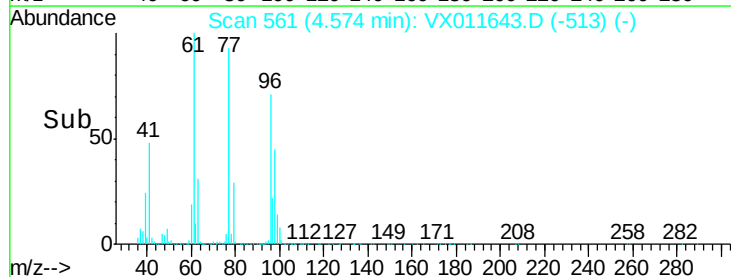
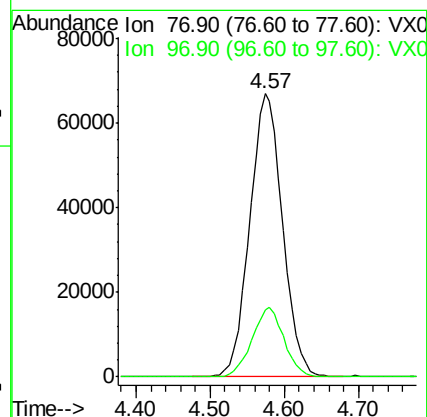
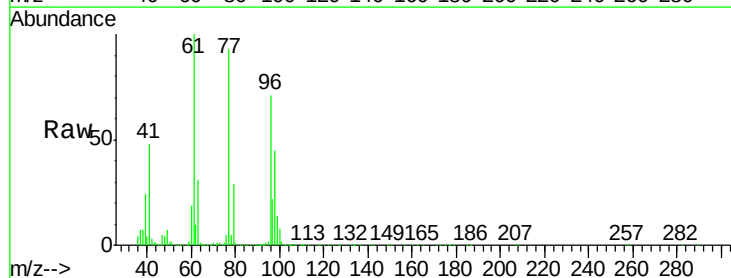
Acq: 19 Aug 2019 19:37

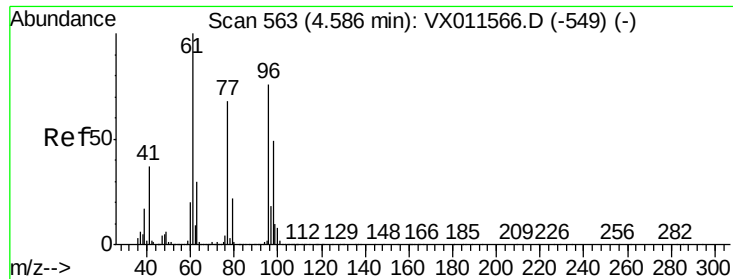
Tgt Ion: 77 Resp: 206391

Ion Ratio Lower Upper

77 100

97 24.1 12.4 37.2





#27

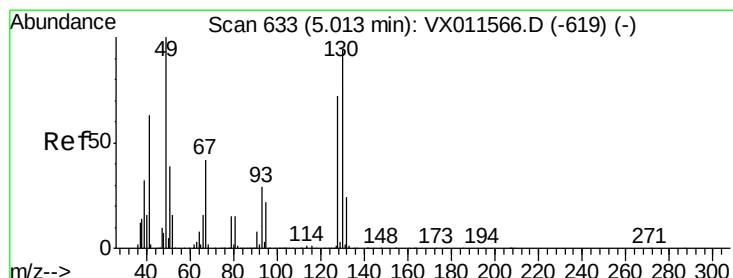
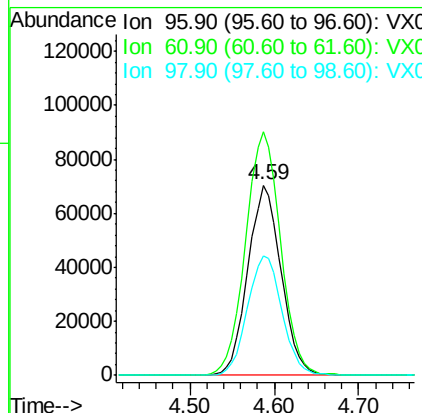
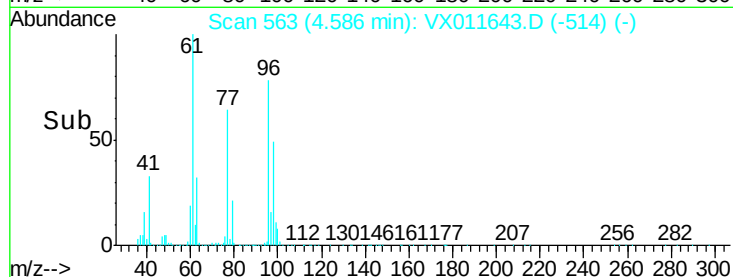
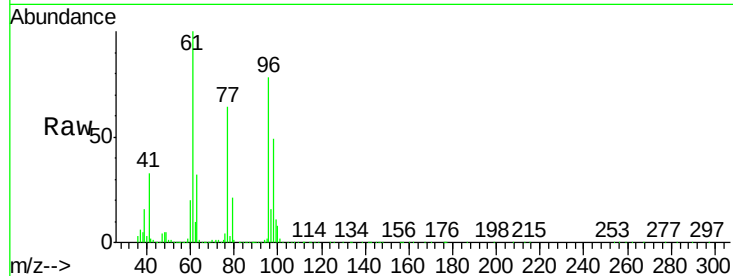
cis-1,2-Dichloroethene
Concen: 49.838 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188608		
61	135.1	0.0	272.6	
98	65.2	0.0	129.4	

Manual Integrations
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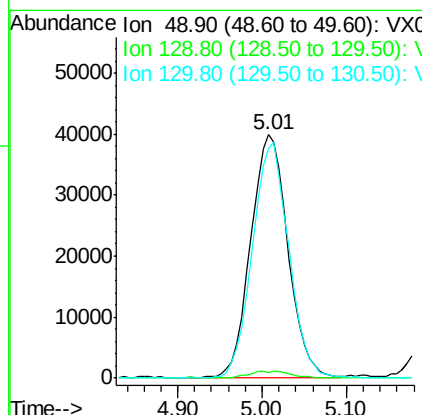
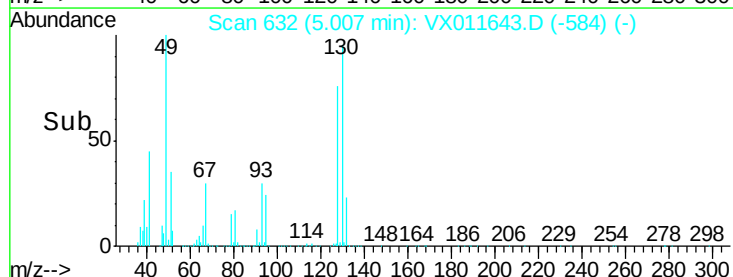
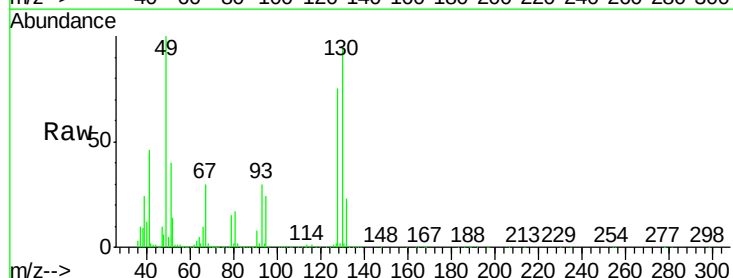
MMDadoda
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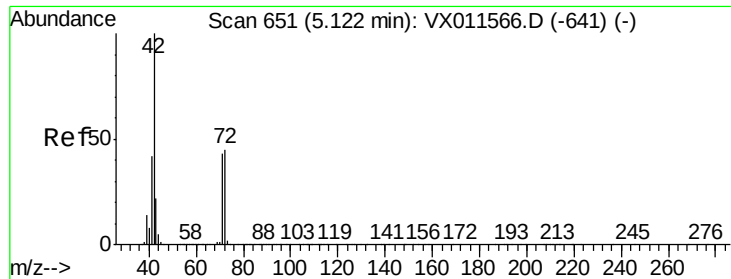


#28

Bromochloromethane
Concen: 47.273 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	119072		
129	3.3	0.0	5.0	
130	95.8	76.6	115.0	





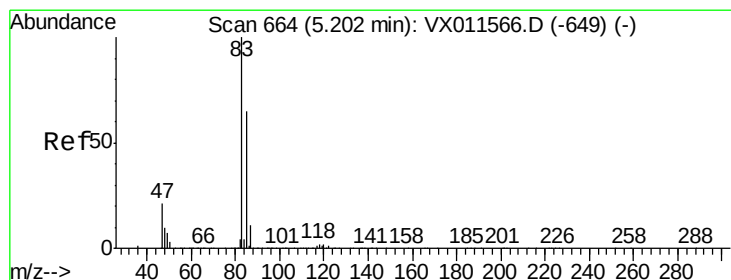
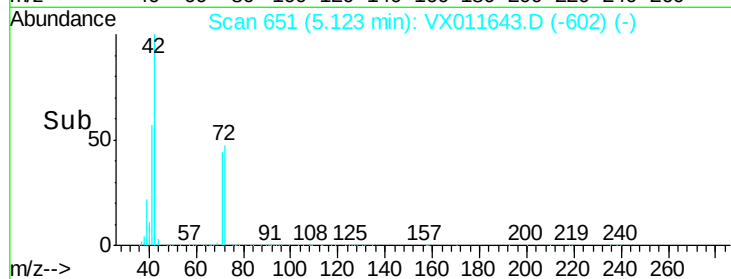
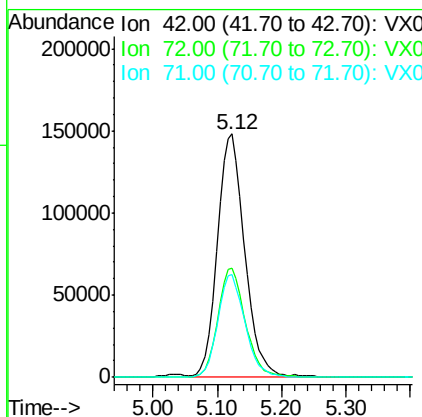
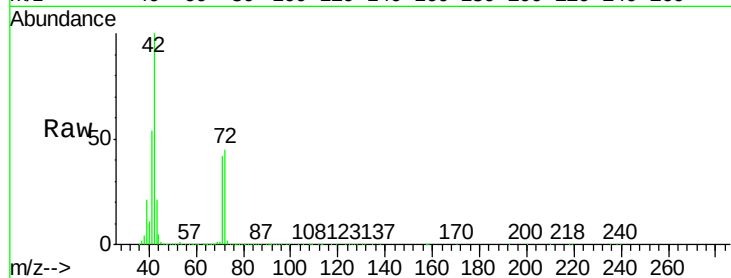
#29
Tetrahydrofuran
Concen: 255.849 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.1	54.1
71	42.4	33.8	50.8

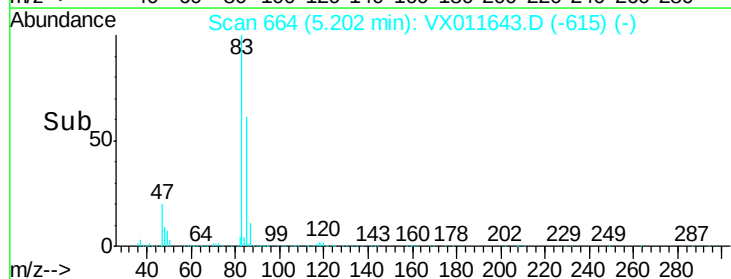
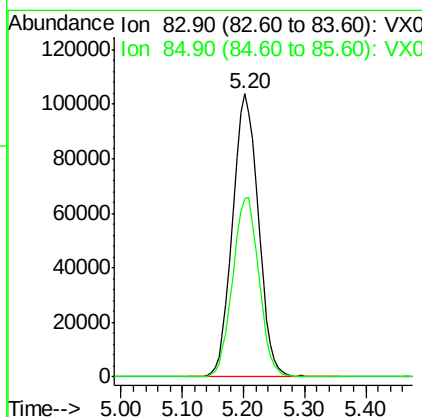
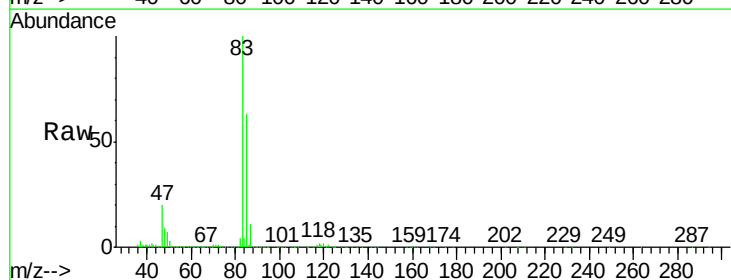
Manual Integrations
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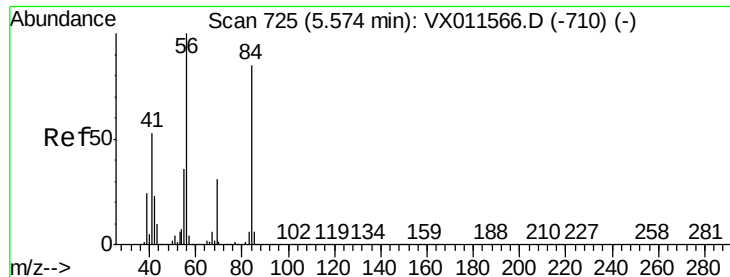
MMDadoda
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#30
Chloroform
Concen: 49.741 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.9	77.9





#31

Cyclohexane

Concen: 50.755 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

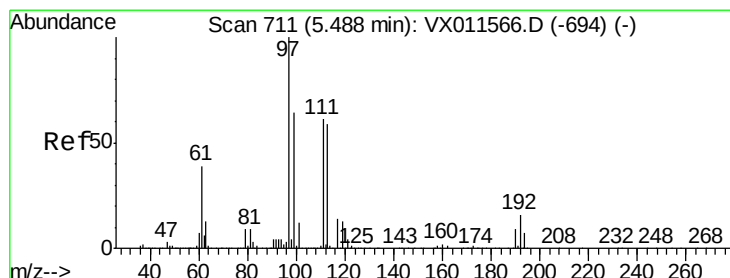
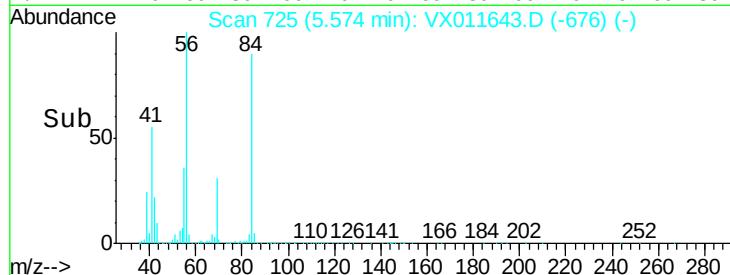
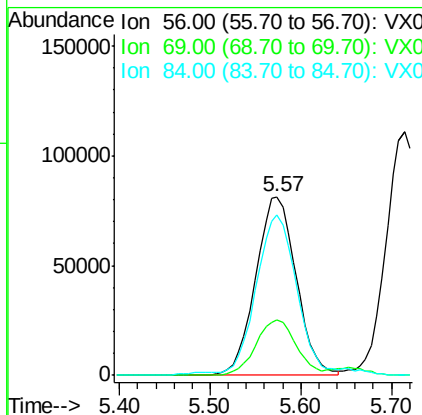
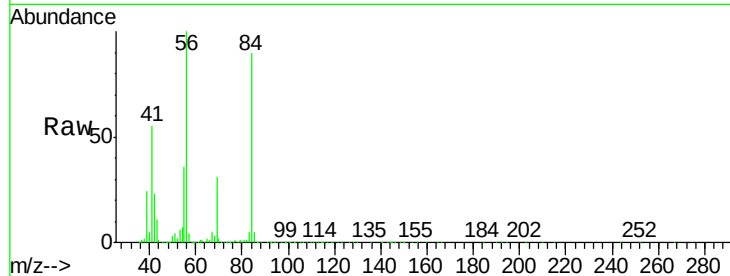
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	250742
Ion Ratio	Lower	Upper	
56	100		
69	31.2	24.8	37.2
84	88.7	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.194 ug/l

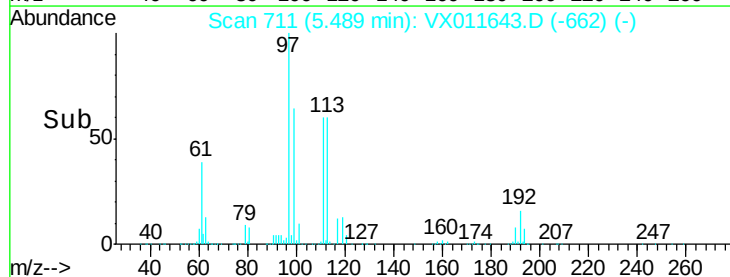
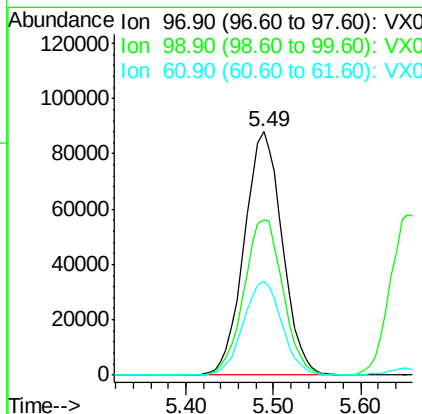
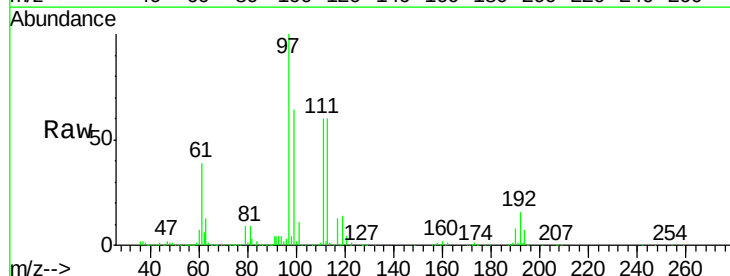
RT: 5.49 min Scan# 711

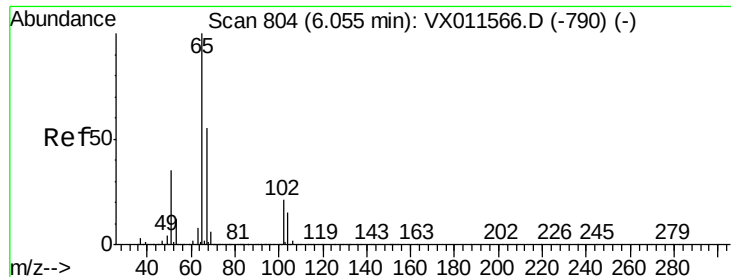
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	97	Resp:	266560
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.4	77.0
61	38.8	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 48.589 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tot Ion: 65 Resp: 161889

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.6

Instrument :

MSVOA_X

ClientSampleId :

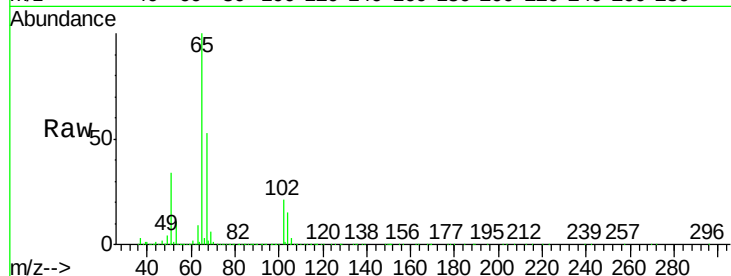
VSTDCCC050EC

Manual Integrations

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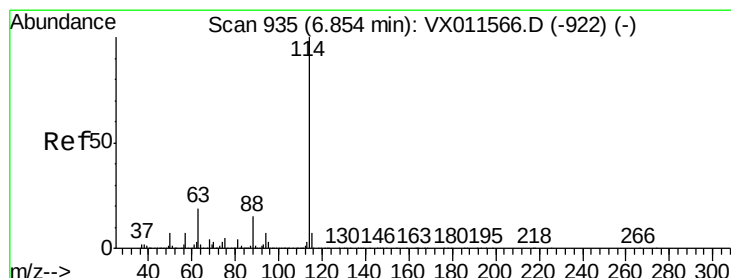
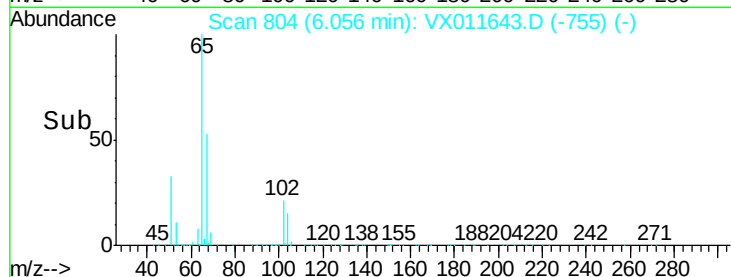
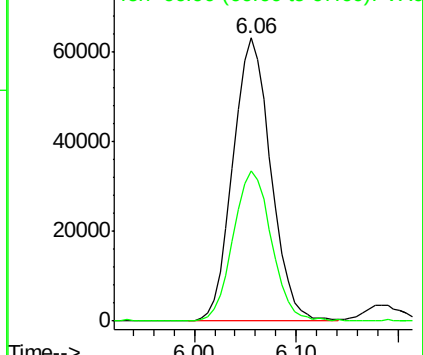
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

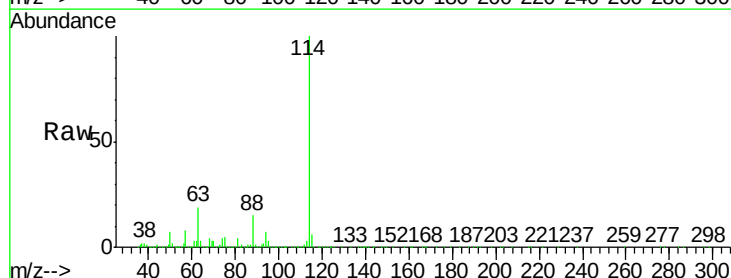
Tgt Ion: 114 Resp: 473231

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.8

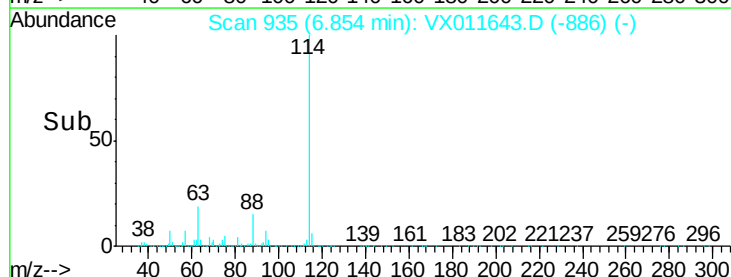
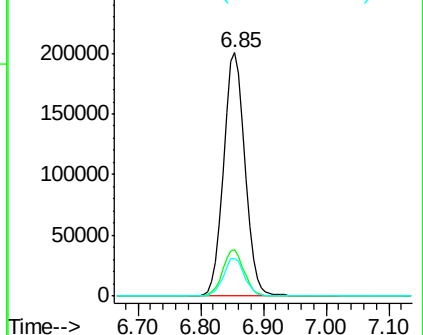
88 15.3 0.0 30.2

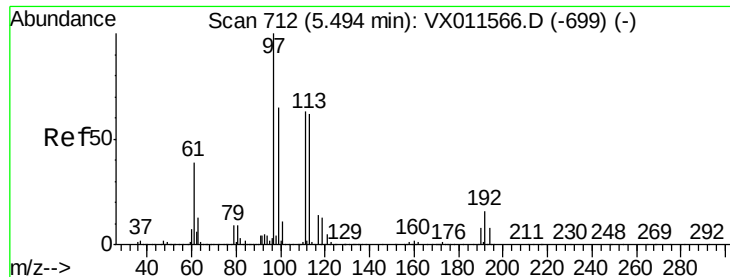


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.787 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

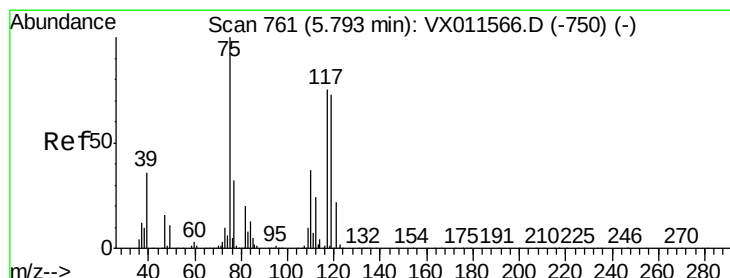
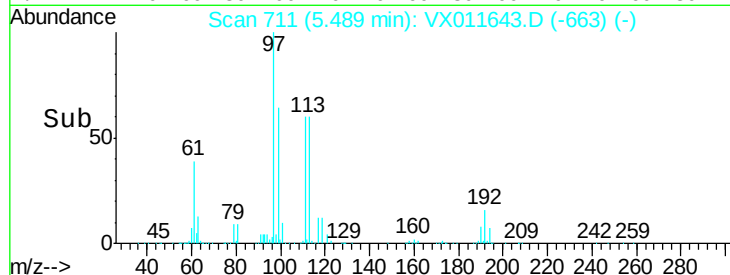
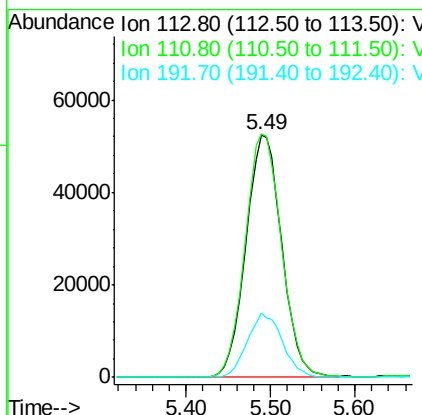
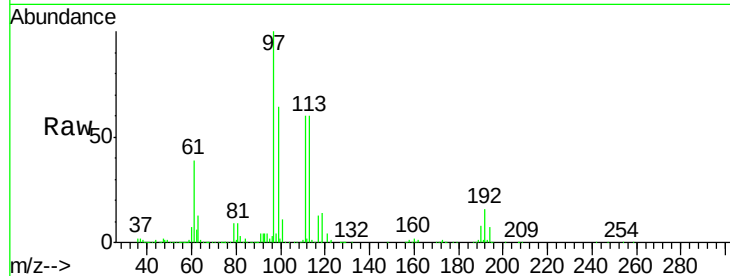
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	151008
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.1	121.7
192	26.3	20.8	31.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.561 ug/l

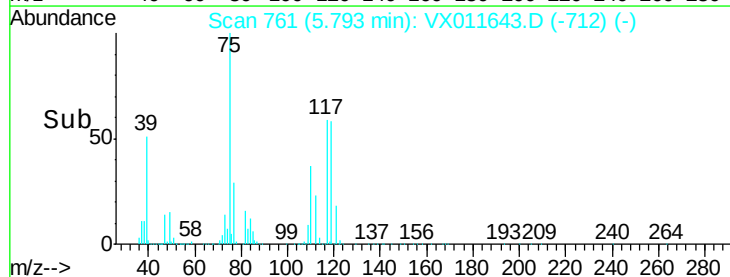
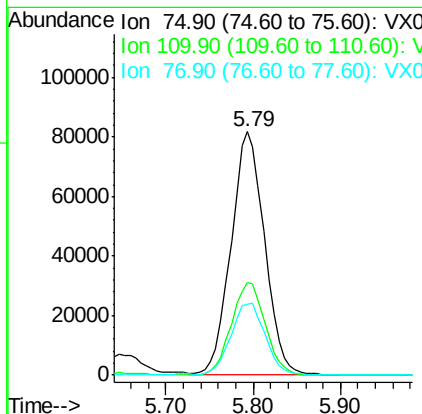
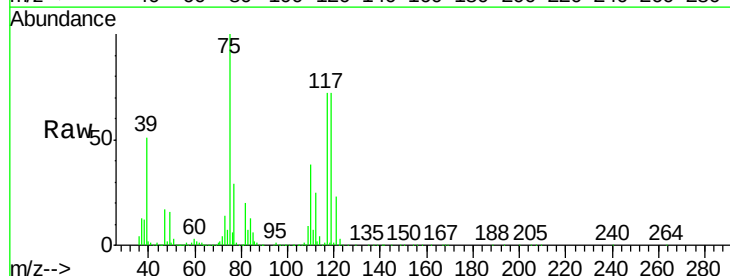
RT: 5.79 min Scan# 761

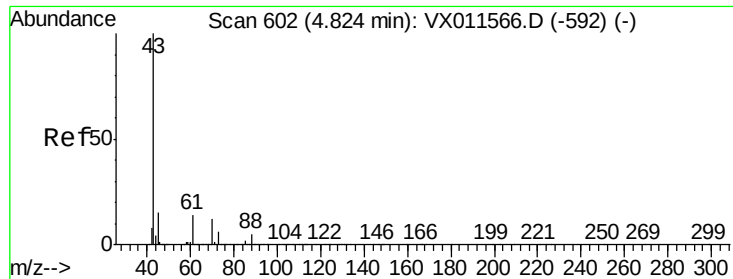
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	75	Resp:	216713
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.4	58.1
77	30.0	25.1	37.7





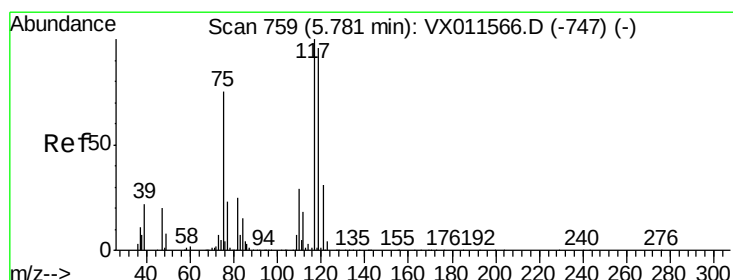
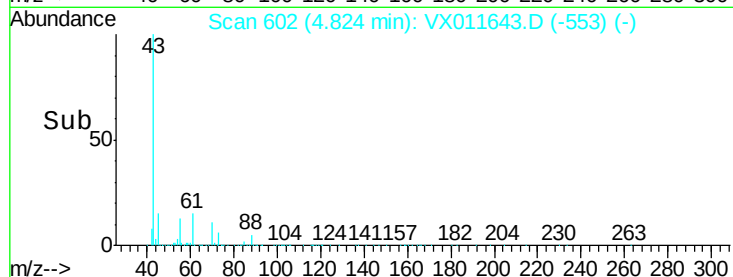
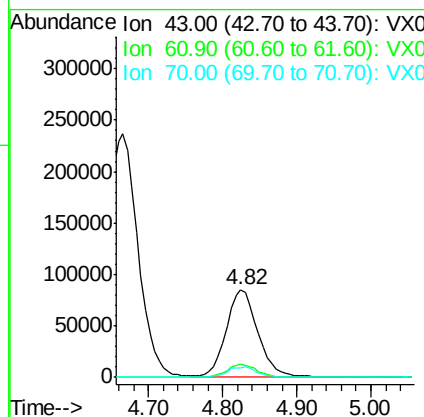
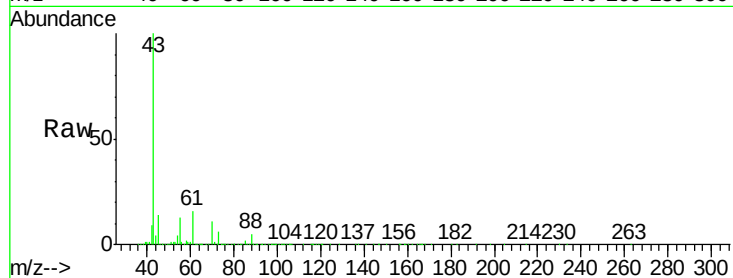
#37
Ethyl Acetate
Concen: 53.611 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	11.9	9.0	13.6

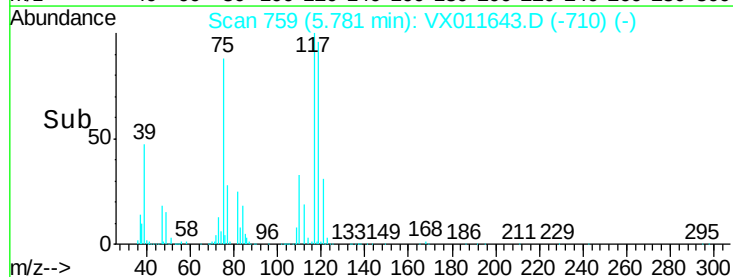
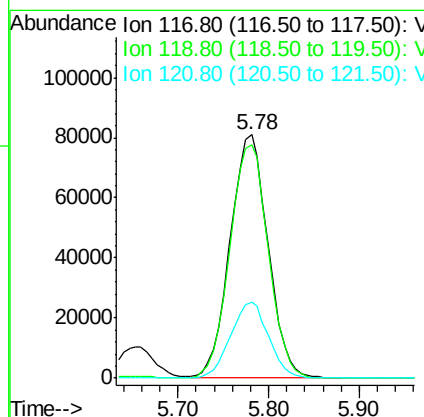
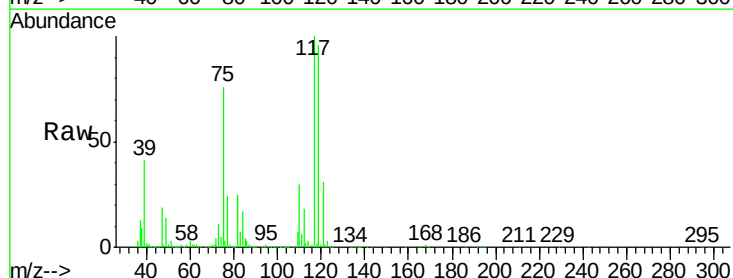
Manual Integrations
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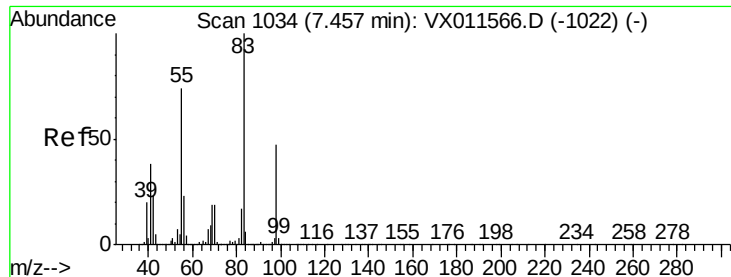
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.643 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.9	115.3
121	31.1	24.8	37.2





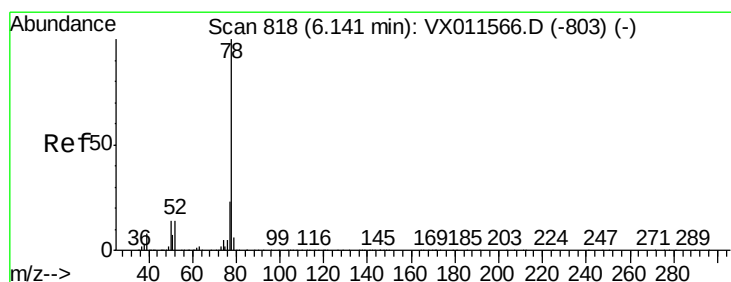
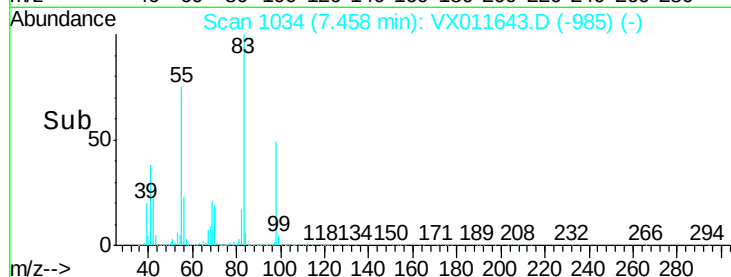
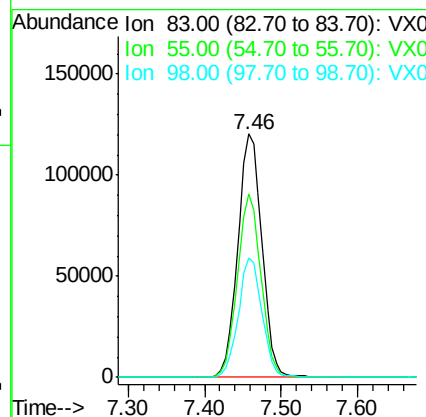
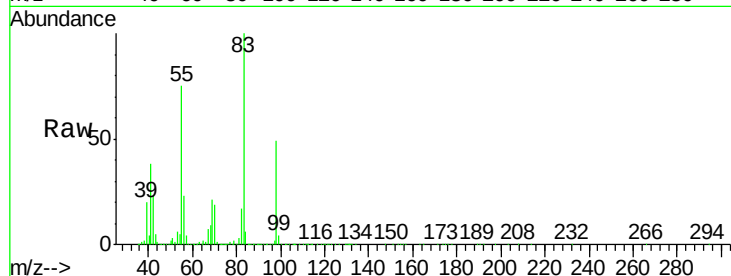
#39
Methylvlcyclohexane
Concen: 52.641 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	58.8	88.2
98	49.2	37.8	56.6

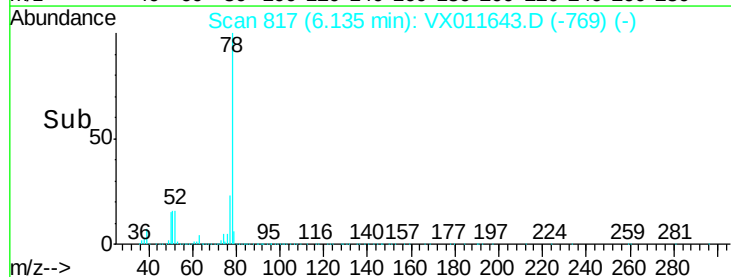
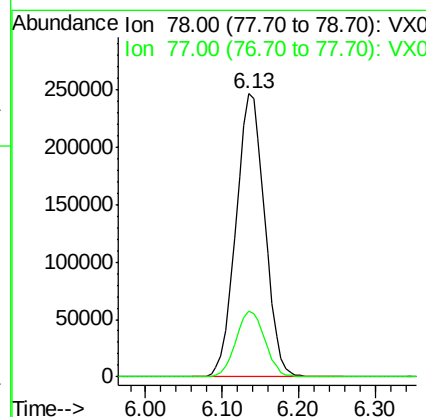
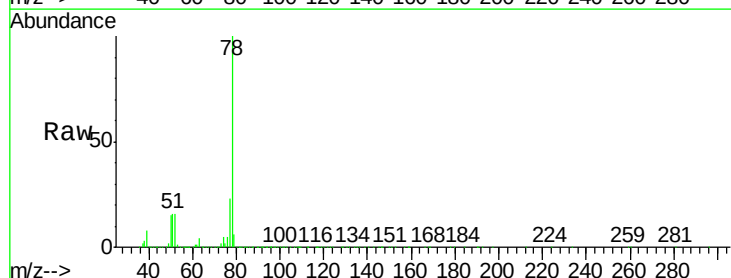
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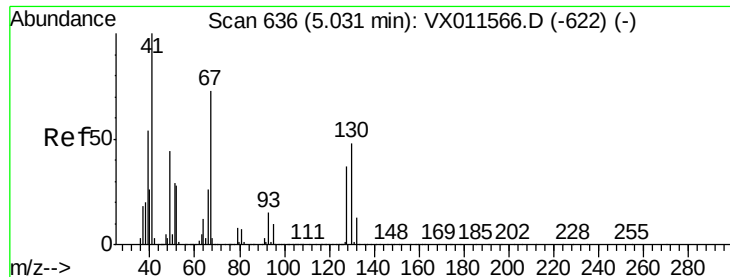
MMDadoda
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#40
Benzene
Concen: 51.092 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0





#41

Methacrylonitrile

Concen: 55.180 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

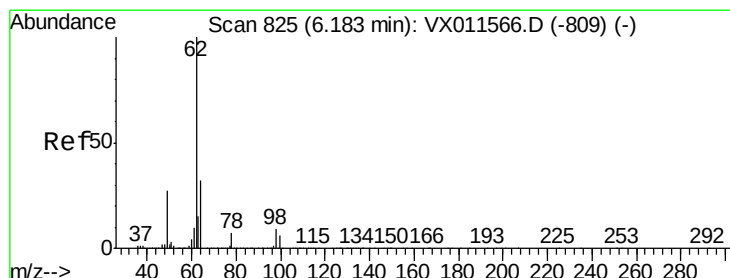
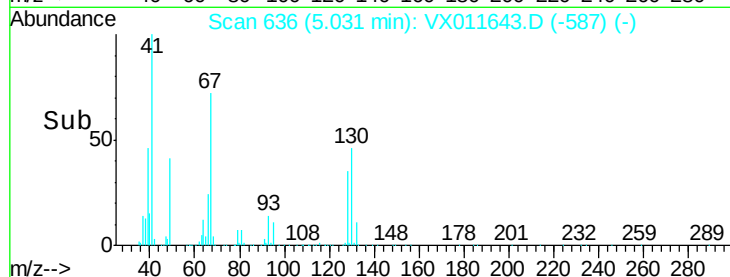
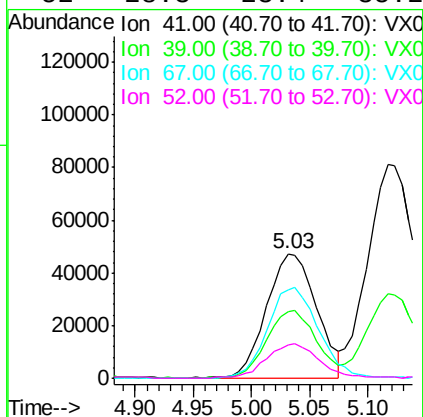
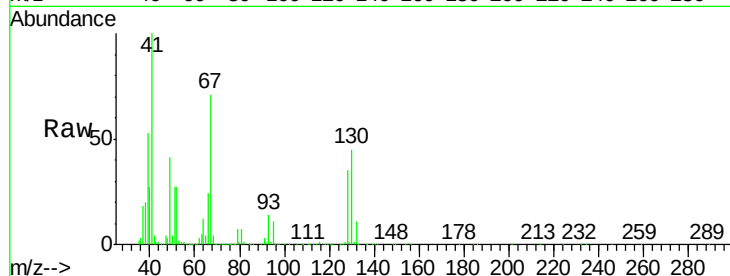
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	43.5	65.3	
67	74.7	59.4	89.2	
52	28.3	23.4	35.2	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.840 ug/l

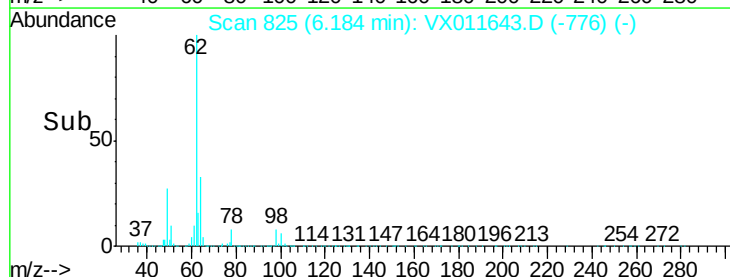
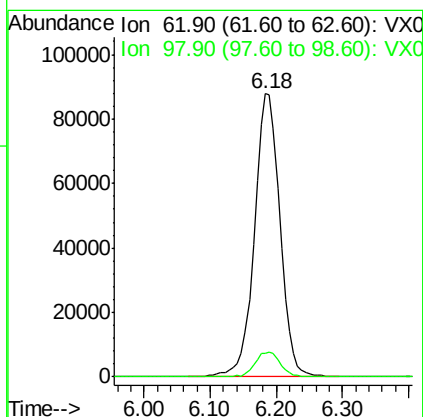
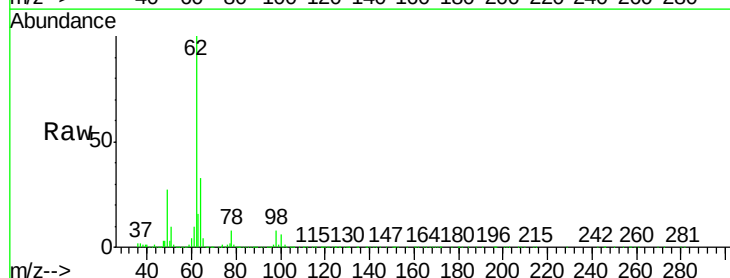
RT: 6.18 min Scan# 825

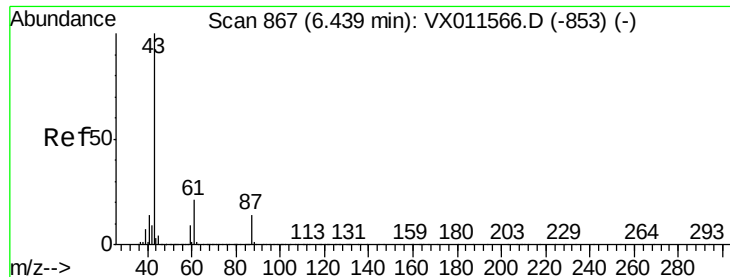
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	19.4	





#43

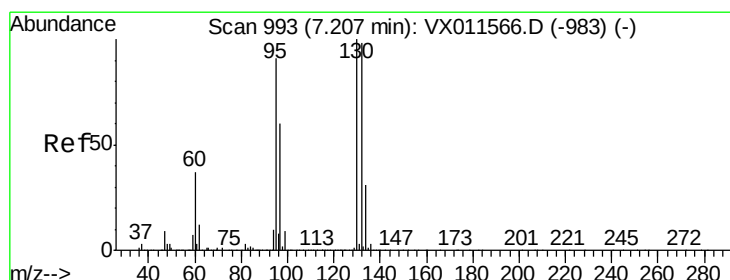
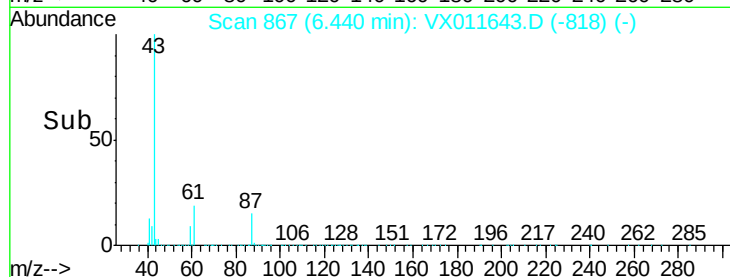
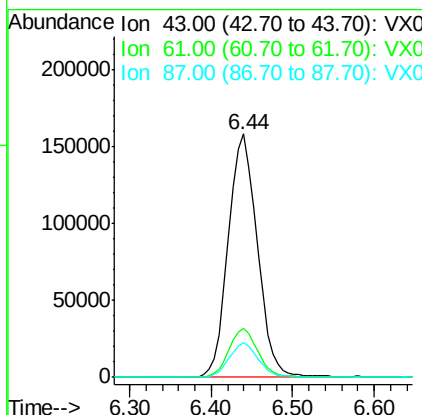
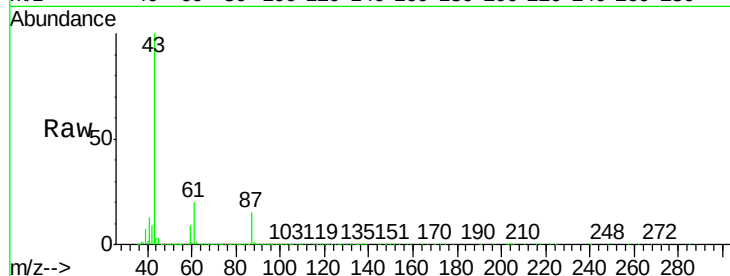
Isopropyl Acetate
 Concen: 53.357 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	43	Resp:	387519
Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.6	24.8
87	13.9	11.4	17.2

Manual Integrations
 APPROVED

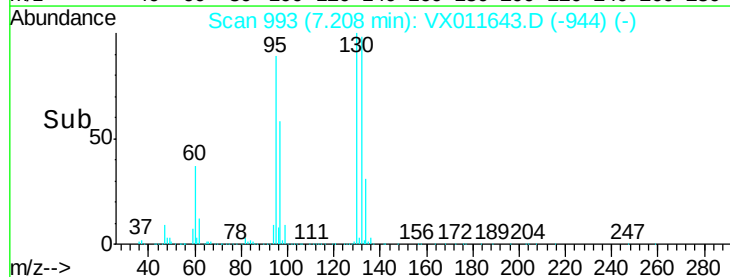
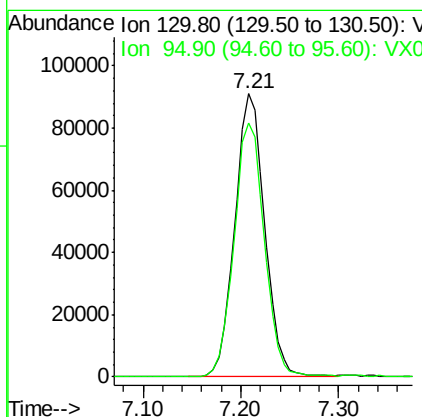
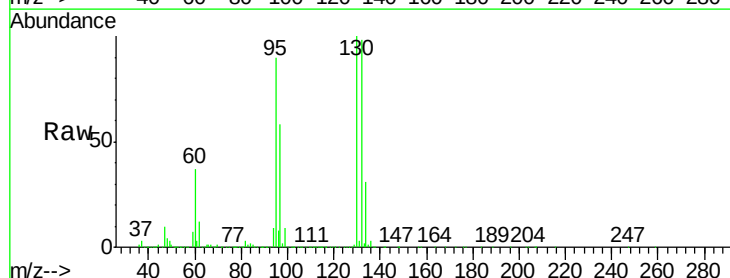
MMDadoda
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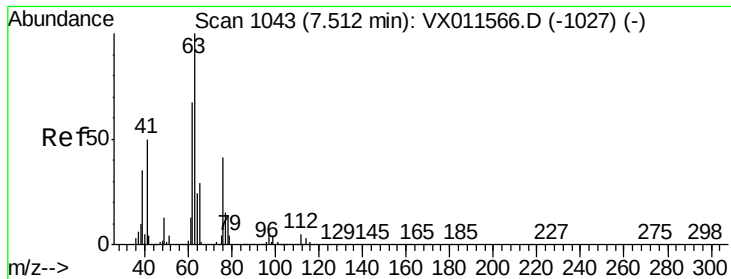


#44

Trichloroethene
 Concen: 51.840 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Tgt Ion:	130	Resp:	193362
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	181.4





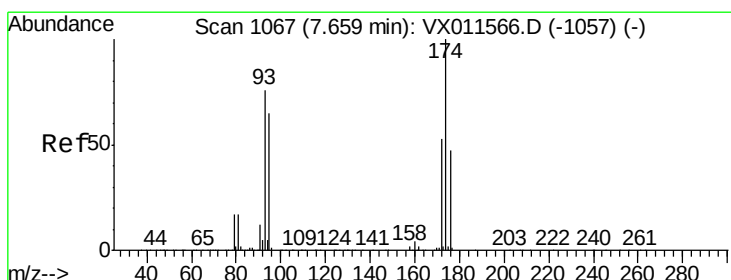
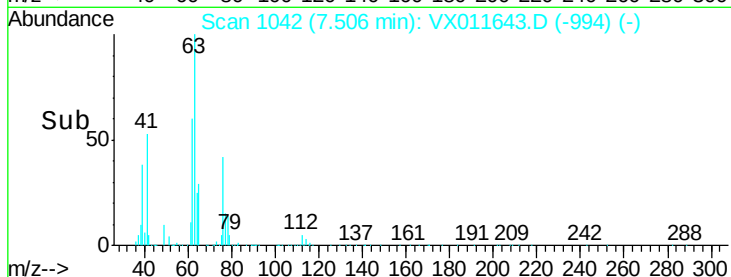
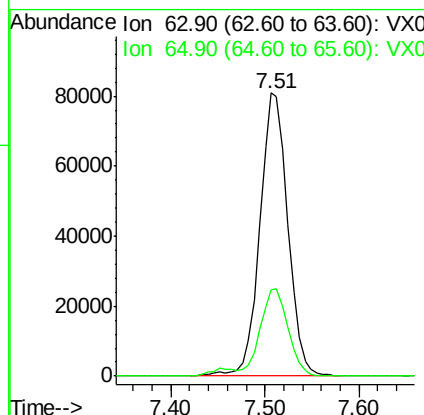
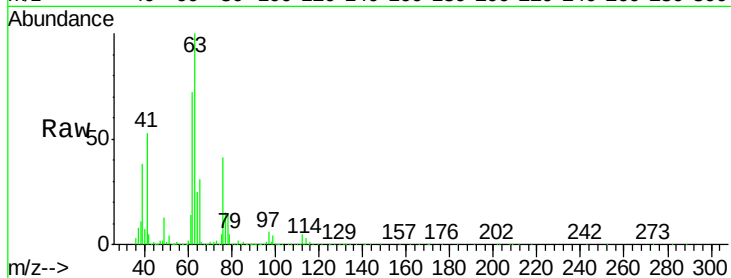
#45
 1,2-Dichloropropane
 Concen: 53.608 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	168101		
65	30.4		23.4	35.2

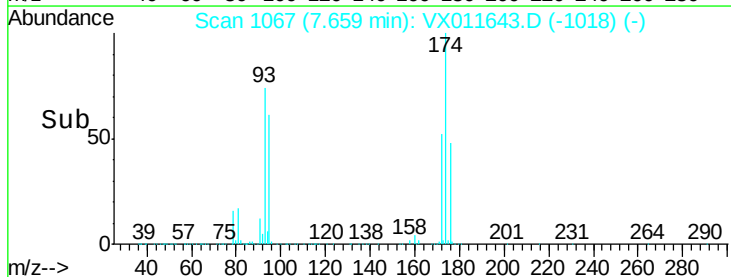
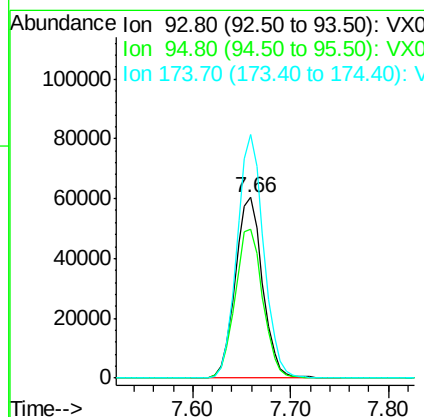
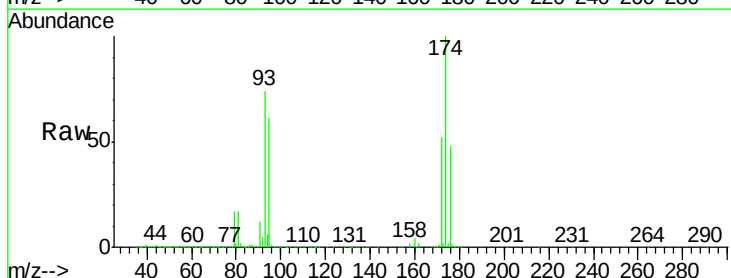
Manual Integrations
 APPROVED

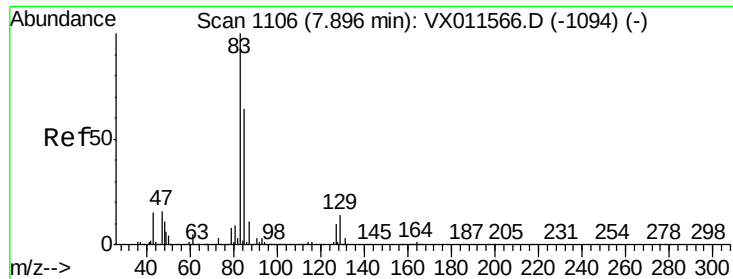
MMDadoda
 8/20/2019 3:48:51 PM



#46
 Dibromomethane
 Concen: 51.307 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	116913		
95	83.4		67.2	100.8
174	131.8		105.5	158.3





#47

Bromodichloromethane

Concen: 53.435 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

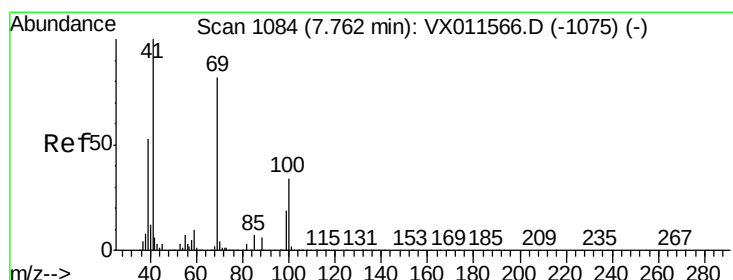
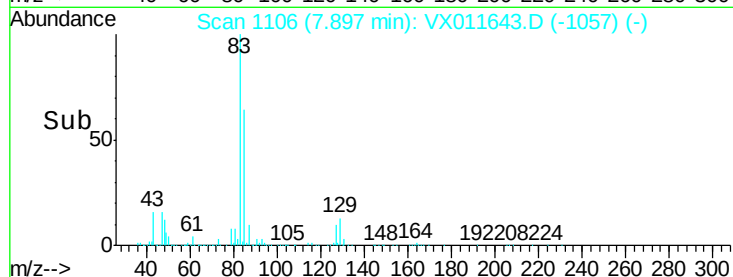
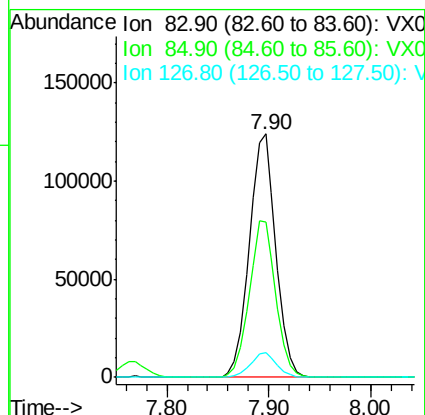
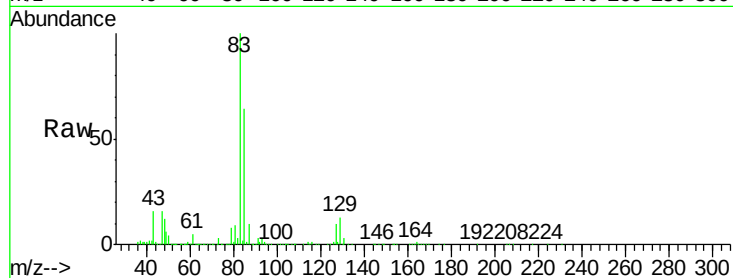
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	223570
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.2	76.8
127	10.1	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.268 ug/l

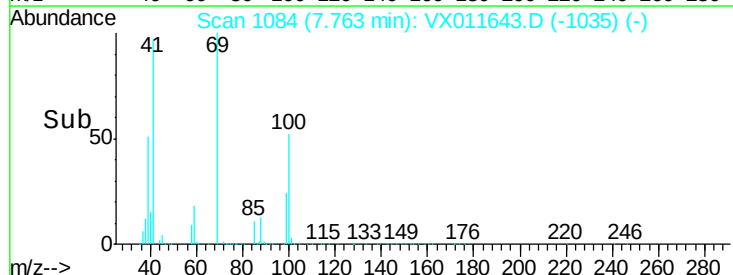
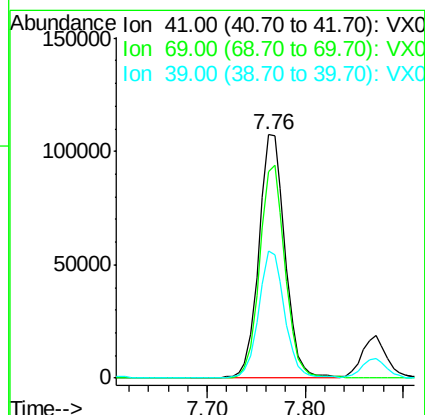
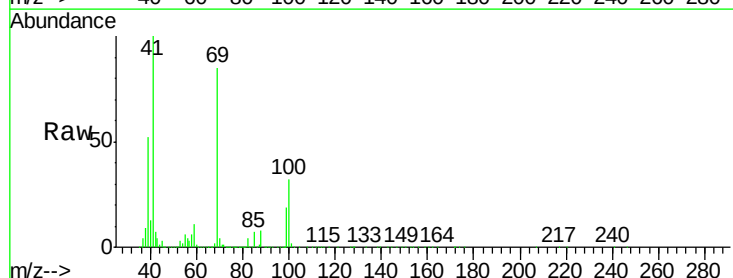
RT: 7.76 min Scan# 1084

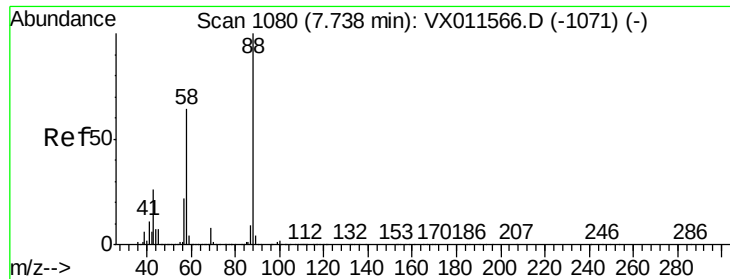
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	41	Resp:	198778
Ion	Ratio	Lower	Upper
41	100		
69	85.0	67.9	101.9
39	50.9	41.6	62.4





#49

1,4-Dioxane

Concen: 1018.845 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

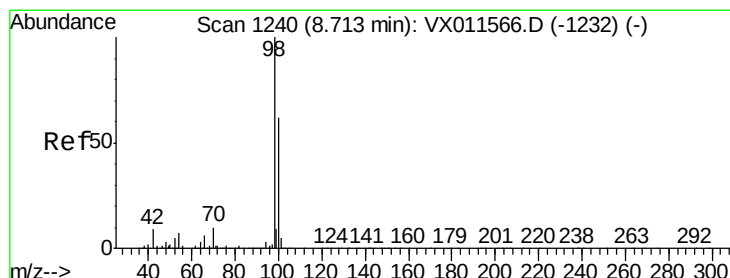
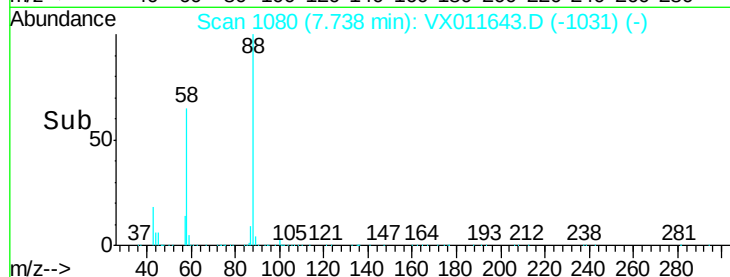
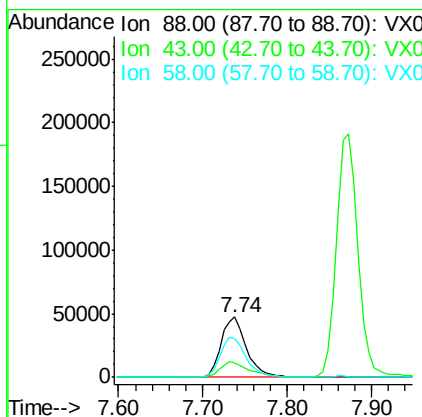
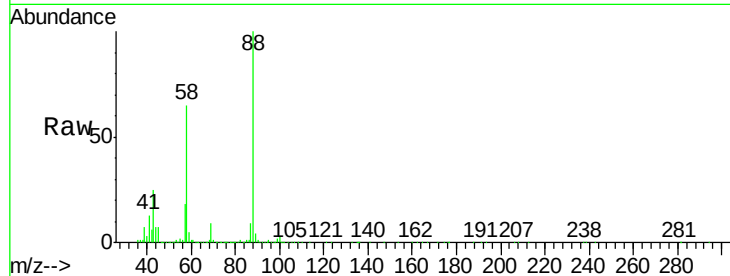
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	97464
Ion	Ratio	Lower	Upper
88	100		
43	29.9	23.4	35.0
58	68.4	54.3	81.5

Manual Integrations
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#50

Toluene-d8

Concen: 50.315 ug/l

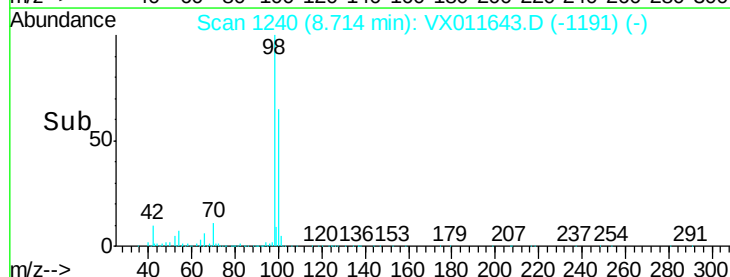
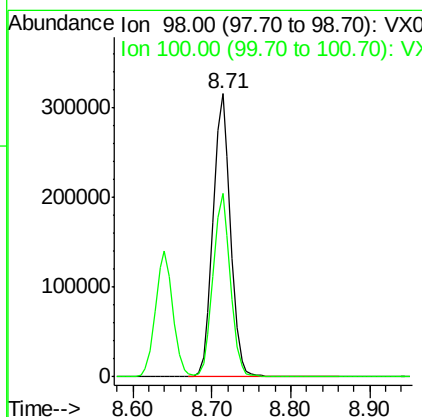
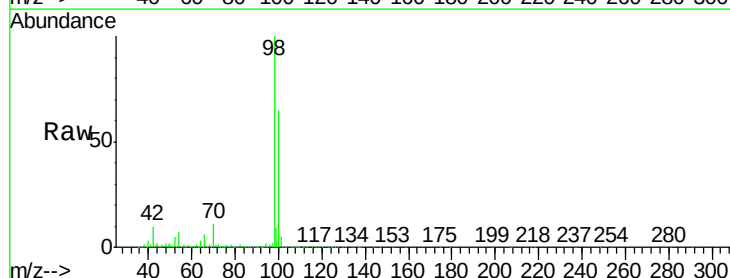
RT: 8.71 min Scan# 1240

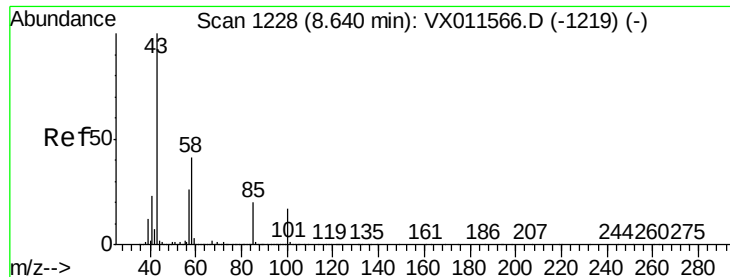
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	98	Resp:	485257
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6





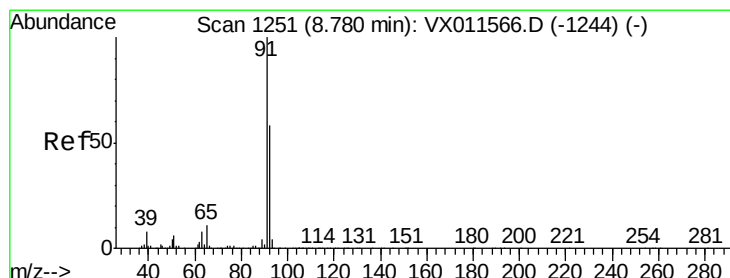
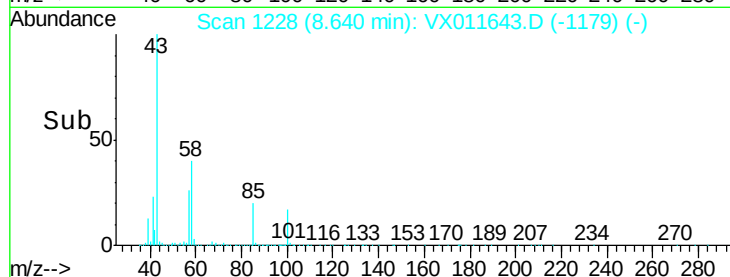
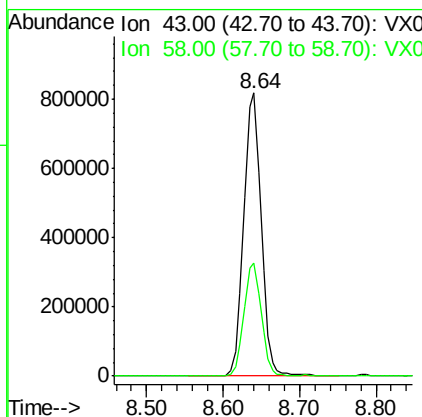
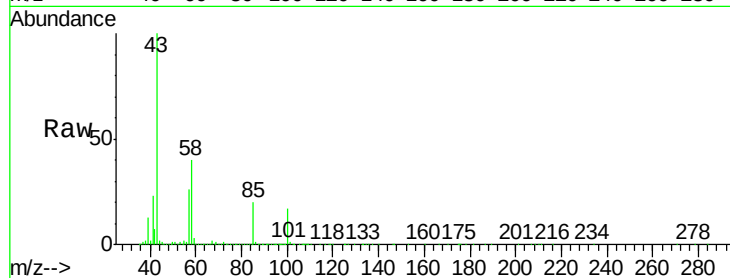
#51
4-Methyl-2-Pentanone
Concen: 273.619 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1300718
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.6

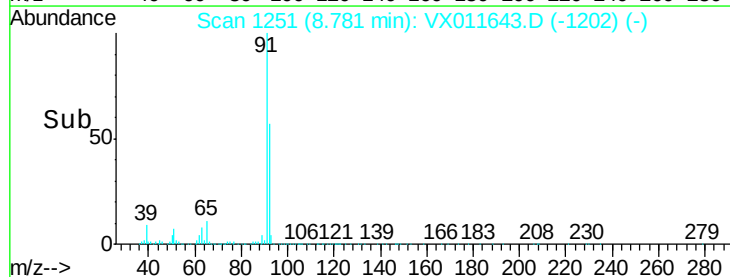
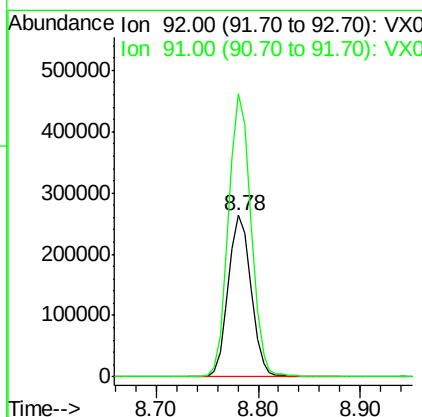
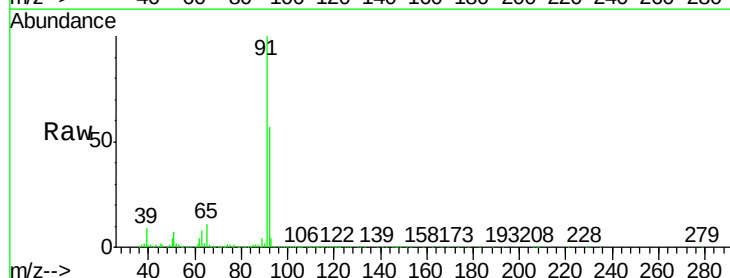
Manual Integrations
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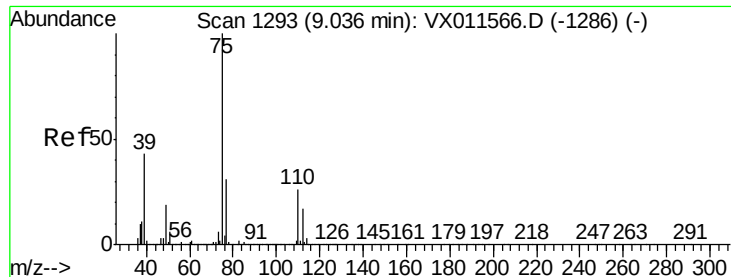
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#52
Toluene
Concen: 50.994 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion: 92 Resp: 408480
Ion Ratio Lower Upper
92 100
91 173.0 138.0 207.0





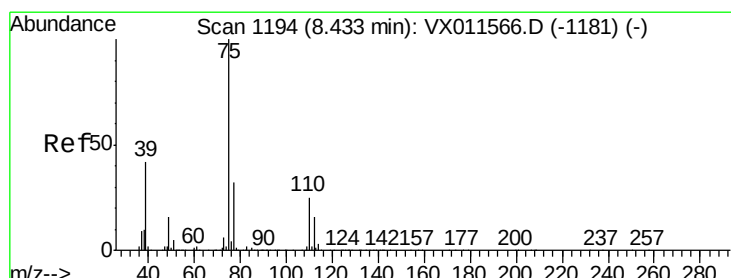
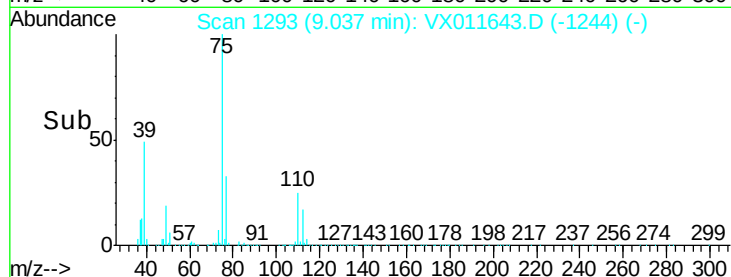
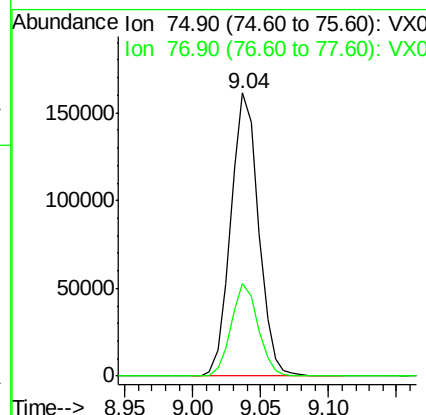
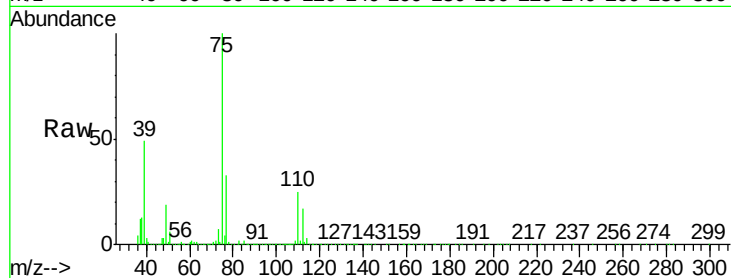
#53
t-1,3-Dichloropropene
Concen: 52.721 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.1	37.7

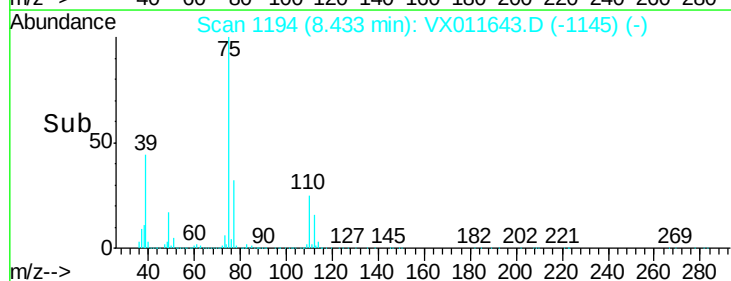
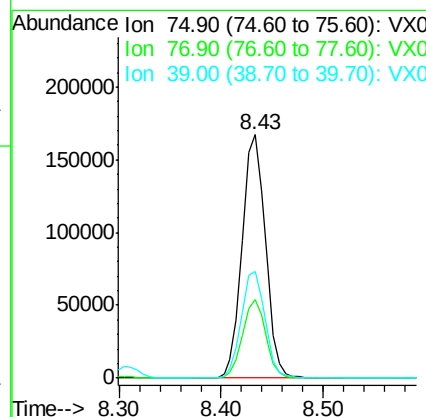
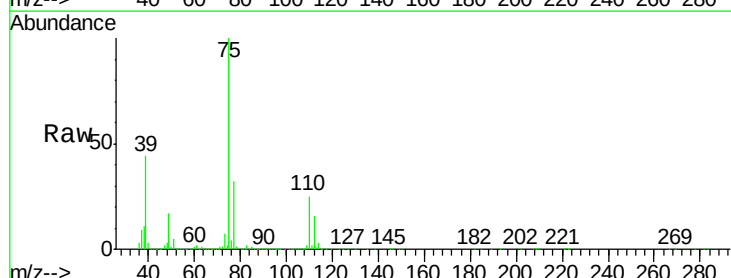
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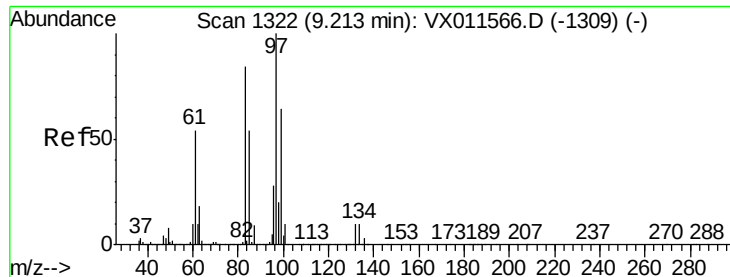
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#54
cis-1,3-Dichloropropene
Concen: 55.808 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	43.6	33.6	50.4





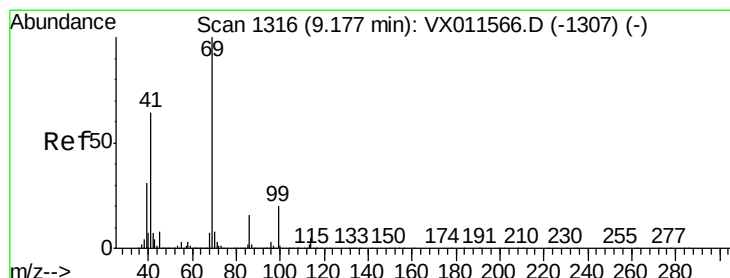
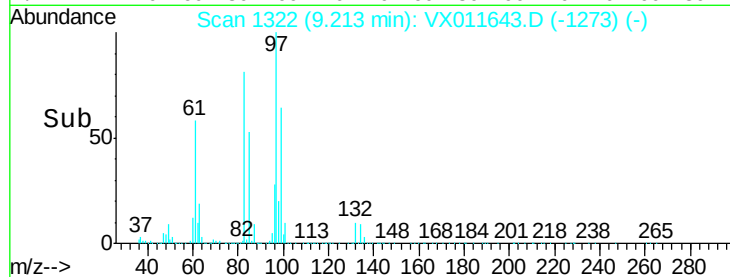
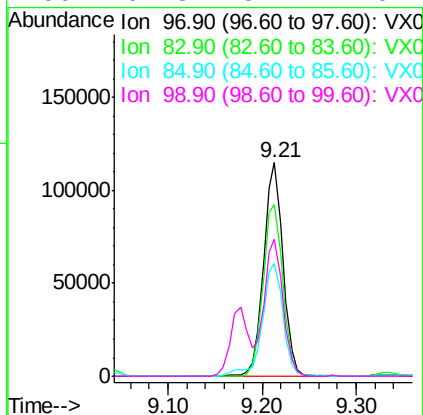
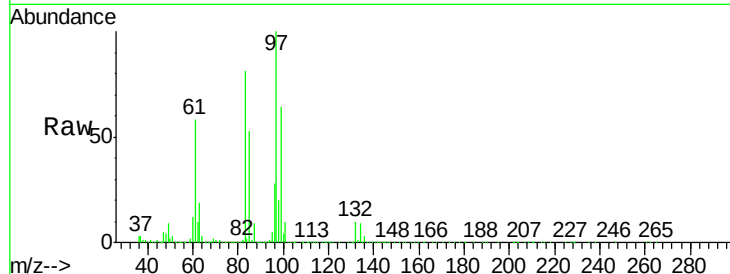
#55
 1,1,2-Trichloroethane
 Concen: 49.161 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		167464		
83	80.5	67.4	101.0		
85	52.7	43.4	65.2		
99	64.3	51.1	76.7		

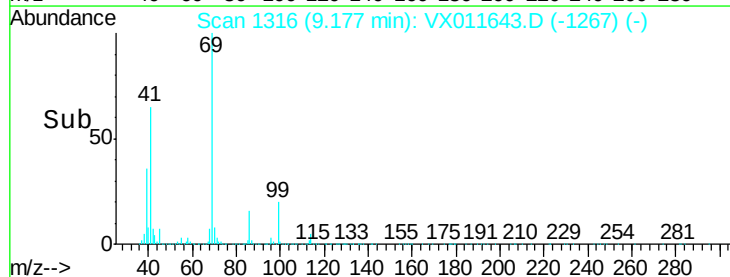
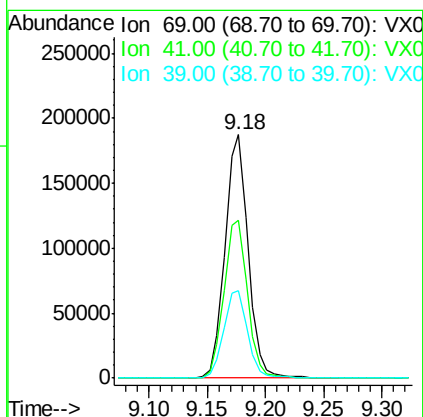
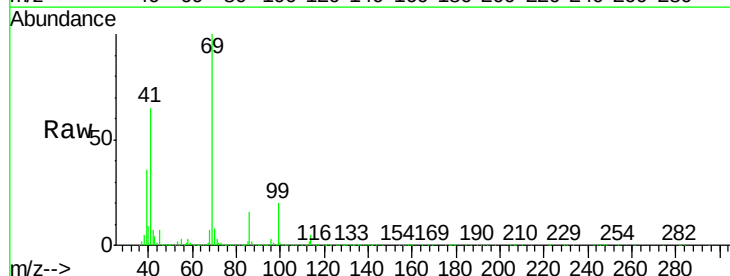
Manual Integrations
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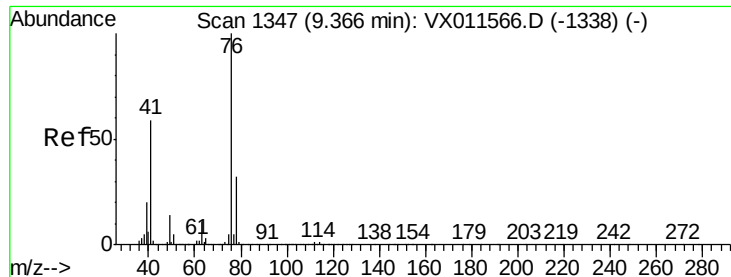
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#56
 Ethyl methacrylate
 Concen: 51.895 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		256934		
41	66.1	52.1	78.1		
39	36.6	25.4	38.0		





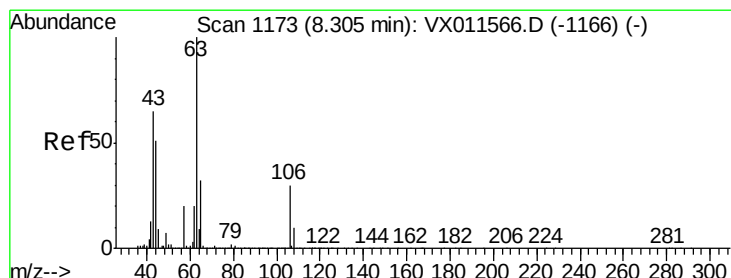
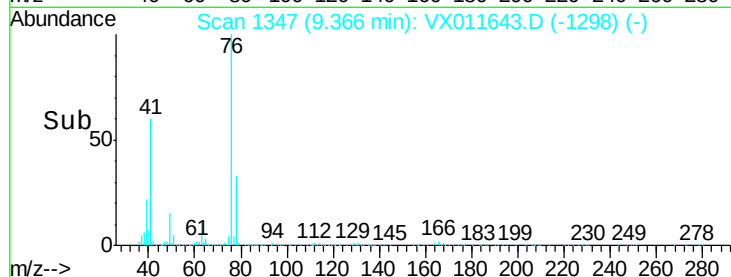
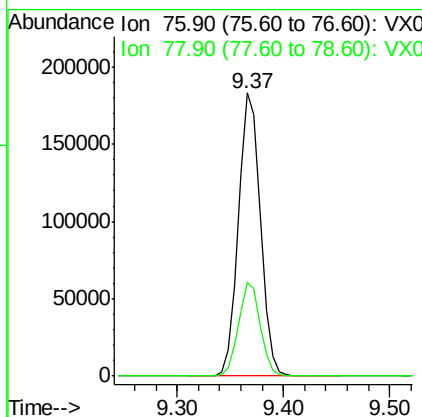
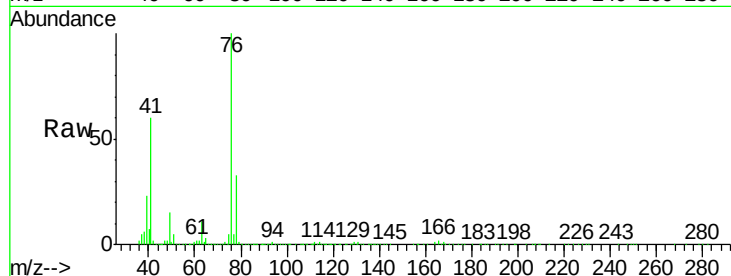
#57
 1,3-Dichloropropane
 Concen: 49.154 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

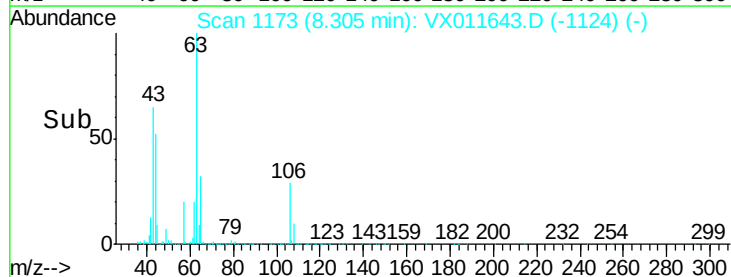
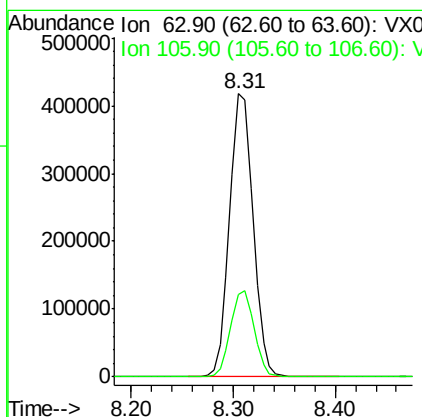
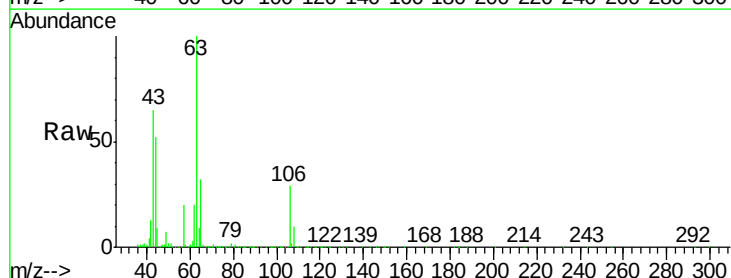
Manual Integrations
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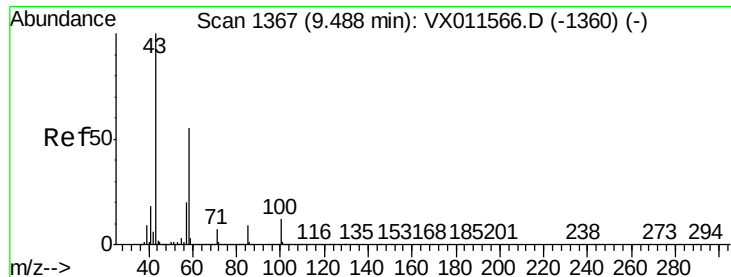
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#58
 2-Chloroethyl Vinyl ether
 Concen: 269.298 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.7	37.1





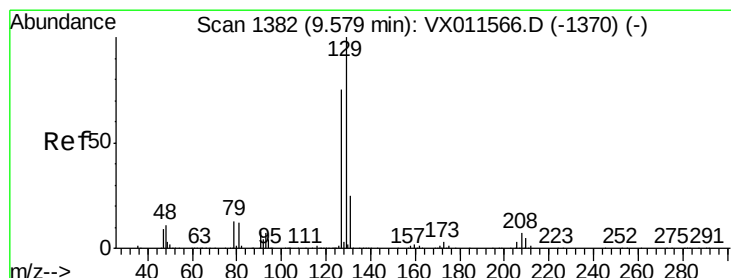
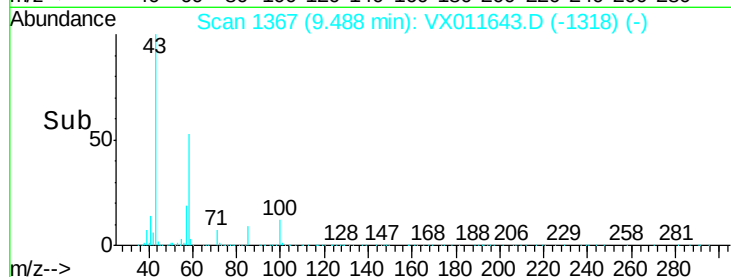
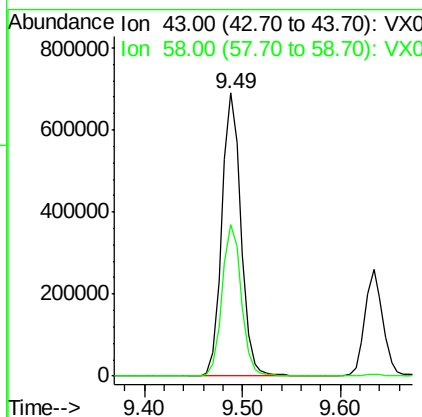
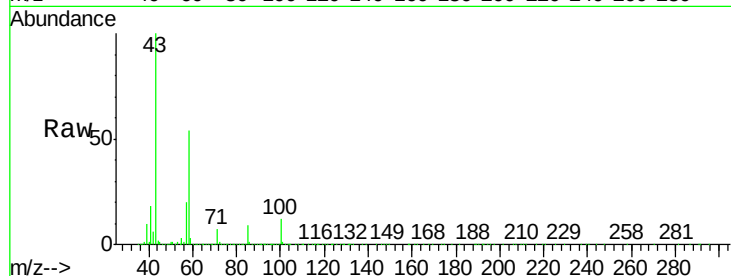
#59
2-Hexanone
Concen: 254.636 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.5	82.4

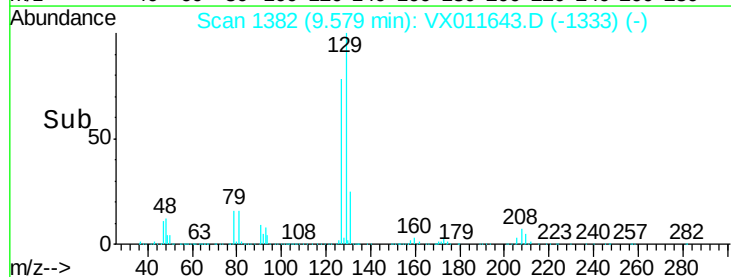
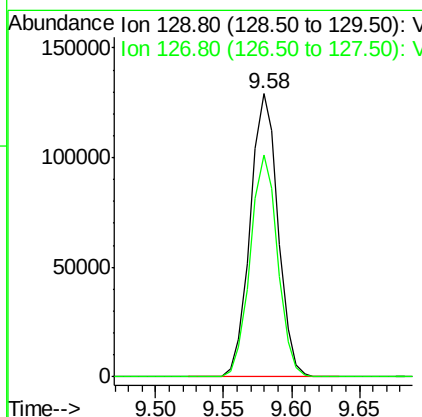
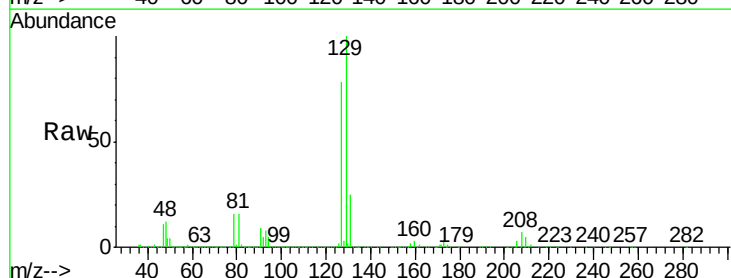
Manual Integrations
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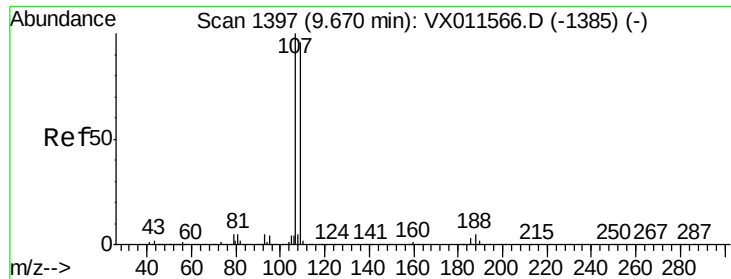
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8/20/2019 3:48:51 PM



#60
Dibromochloromethane
Concen: 52.497 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.0	114.1





#61

1,2-Dibromoethane

Concen: 49.682 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 180618

Ion Ratio Lower Upper

107 100

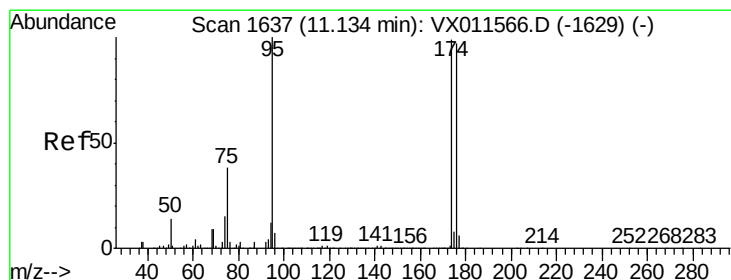
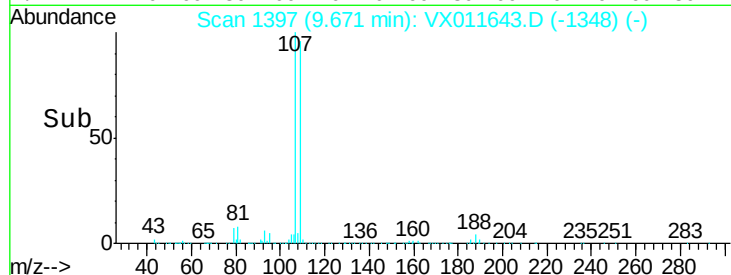
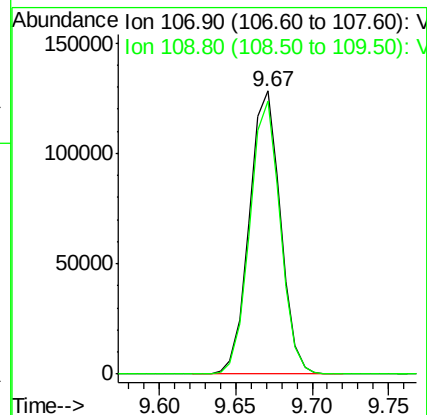
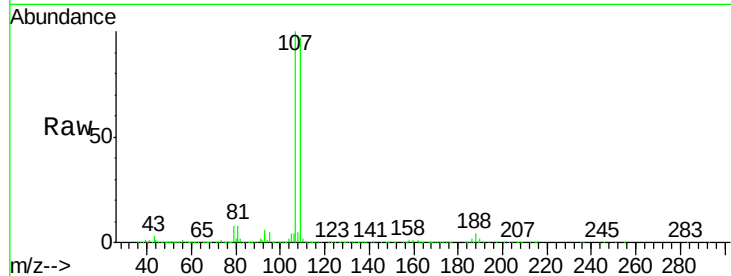
109 94.9 76.2 114.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.213 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

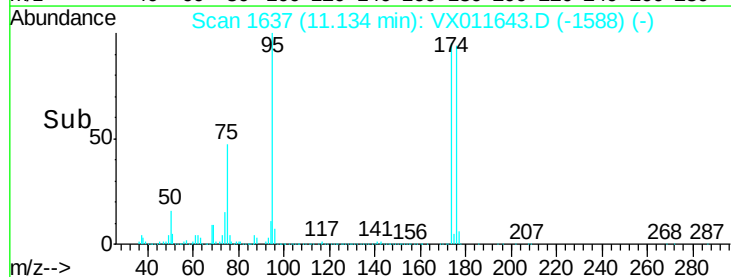
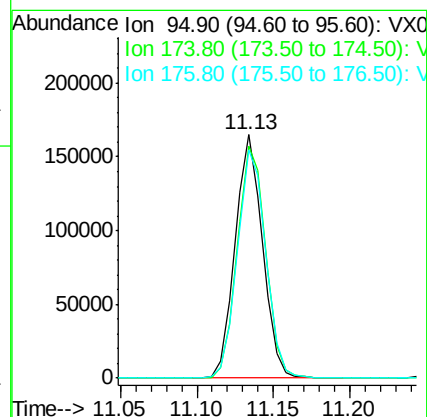
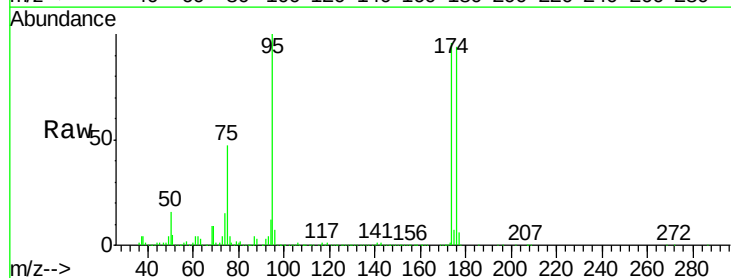
Tgt Ion: 95 Resp: 204404

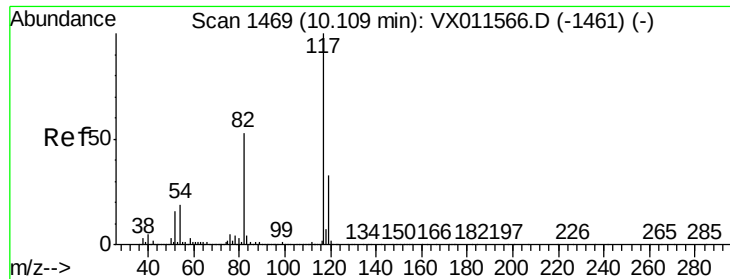
Ion Ratio Lower Upper

95 100

174 98.9 0.0 200.6

176 96.9 0.0 196.6





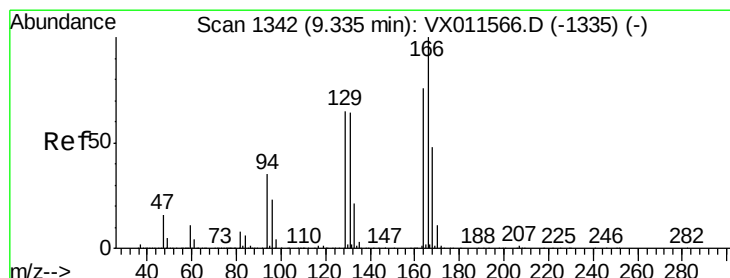
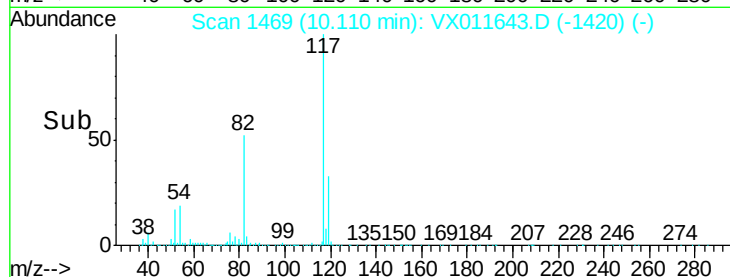
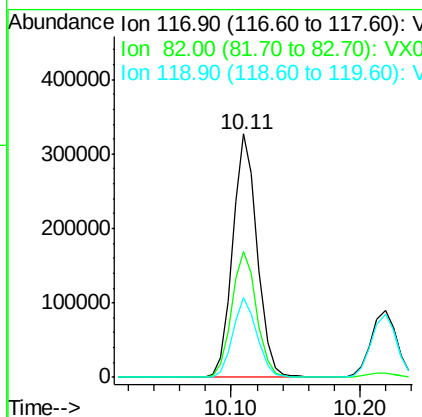
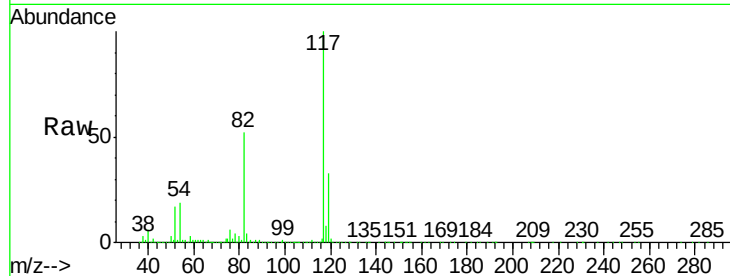
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	433923		
82	51.5	42.0	63.0	
119	32.7	26.5	39.7	

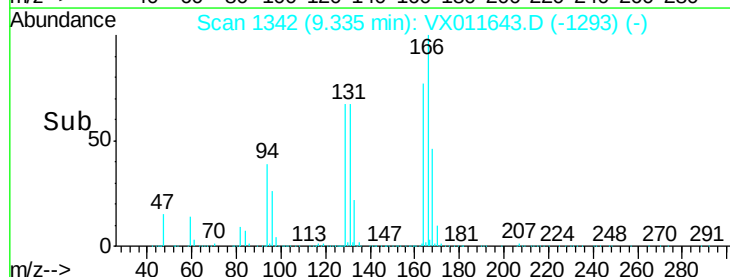
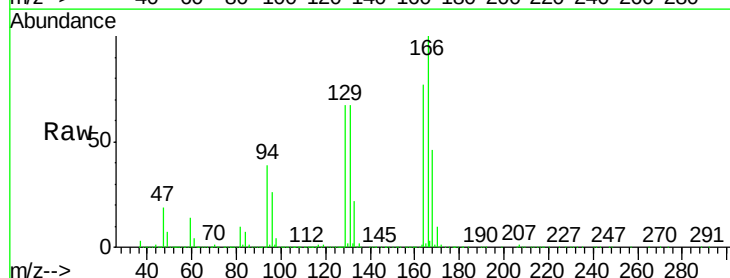
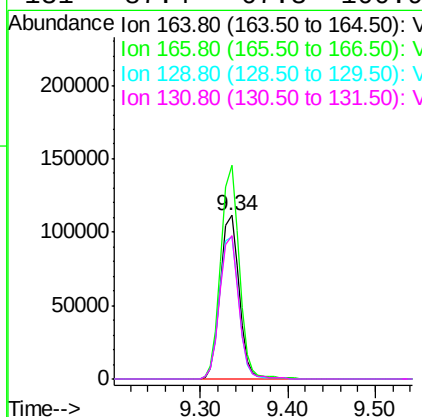
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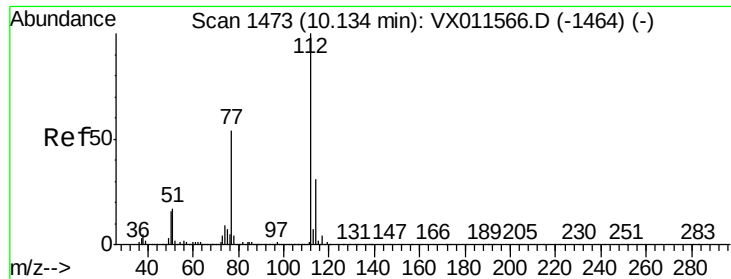
MMDadoda
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#64
Tetrachloroethene
Concen: 46.895 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166958		
166	130.6	104.7	157.1	
129	87.1	68.2	102.4	
131	87.4	67.3	100.9	





#65

Chlorobenzene

Concen: 50.774 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 469922

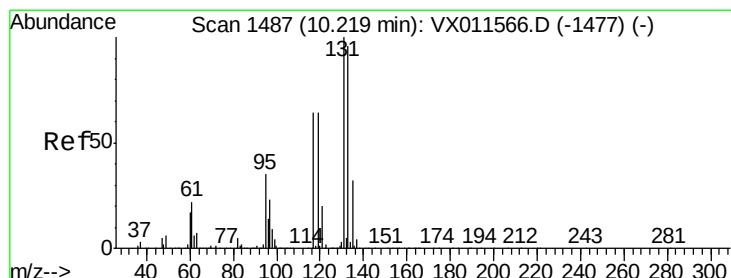
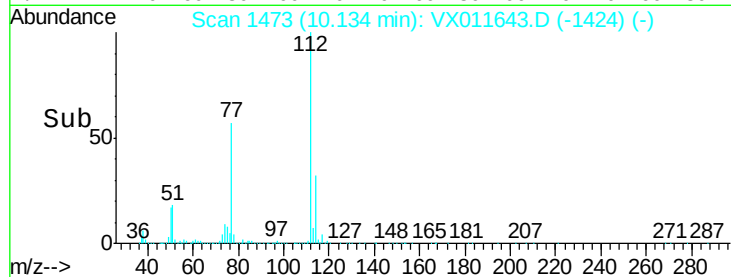
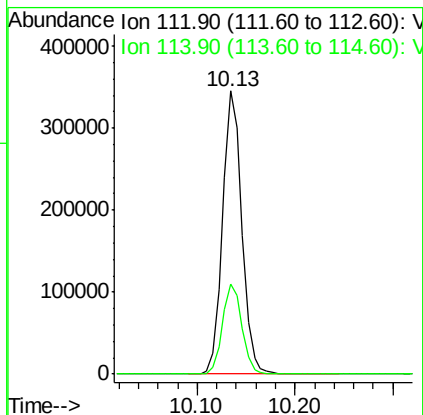
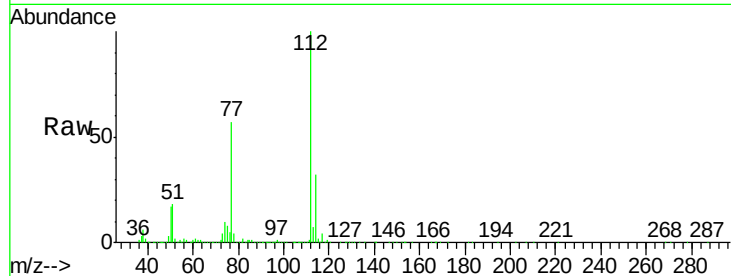
Ion Ratio Lower Upper

112 100

114 31.8 25.0 37.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.290 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

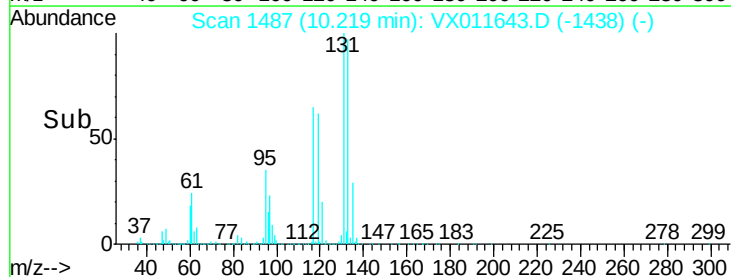
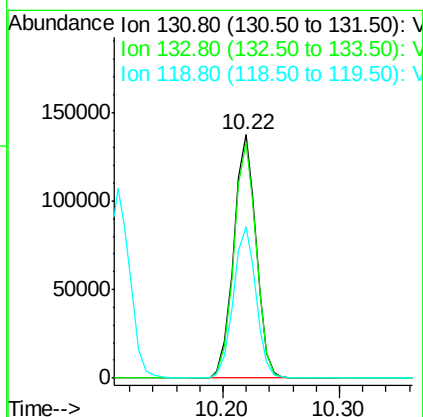
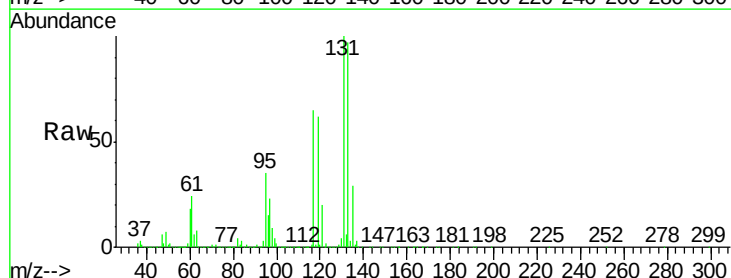
Tgt Ion:131 Resp: 184346

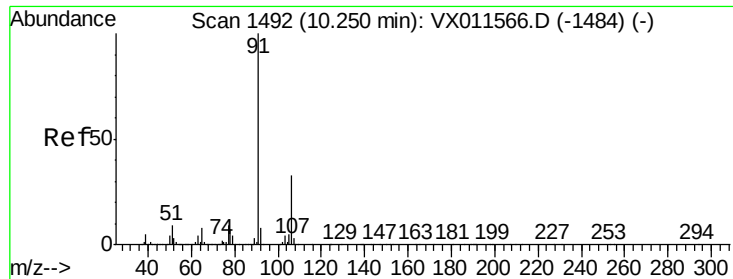
Ion Ratio Lower Upper

131 100

133 96.8 48.1 144.4

119 62.6 31.3 93.8





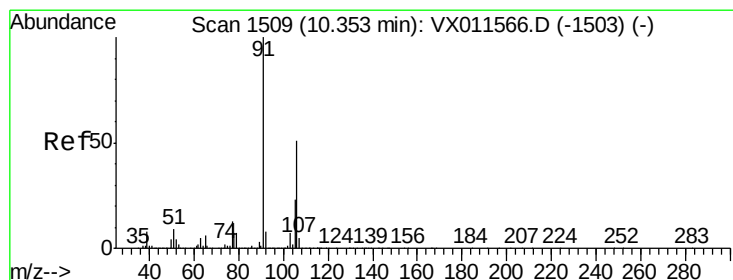
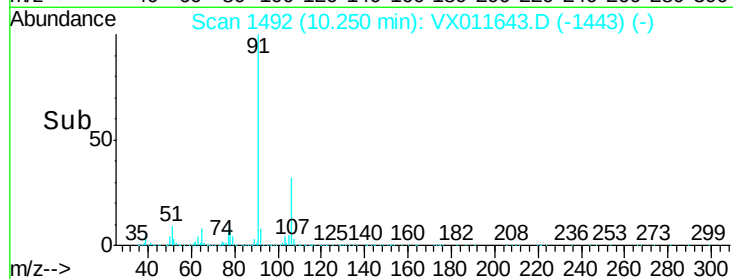
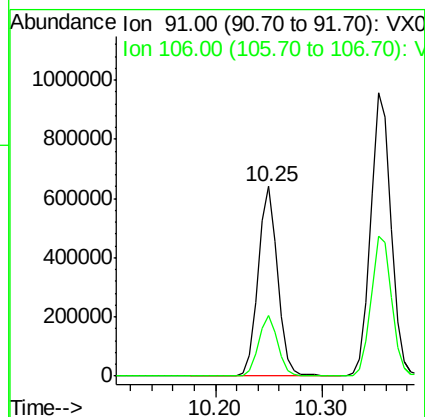
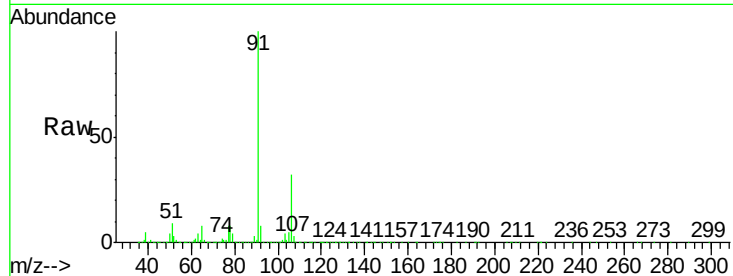
#67
Ethyl Benzene
Concen: 53.136 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 820742
Ion Ratio Lower Upper
91 100
106 32.0 26.0 39.0

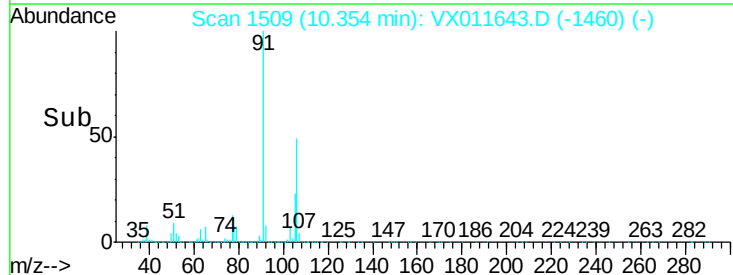
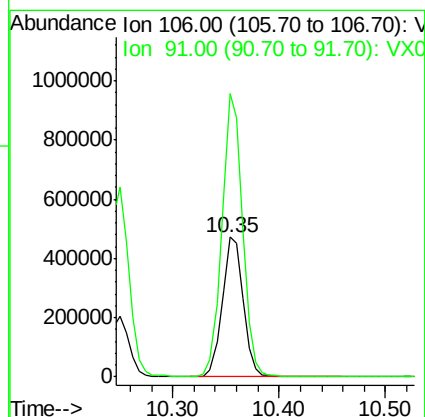
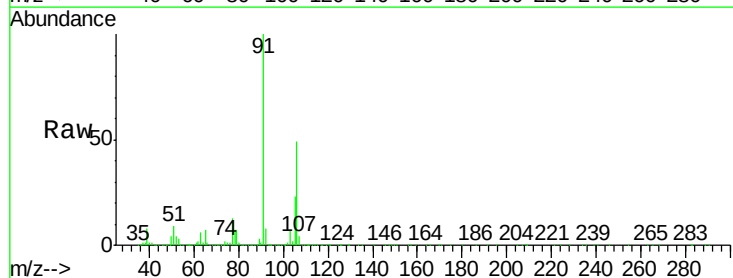
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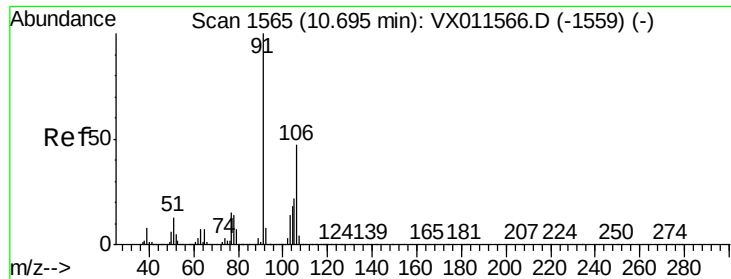
MMDadoda
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#68
m/p-Xylenes
Concen: 109.110 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion: 106 Resp: 646911
Ion Ratio Lower Upper
106 100
91 199.2 156.0 234.0





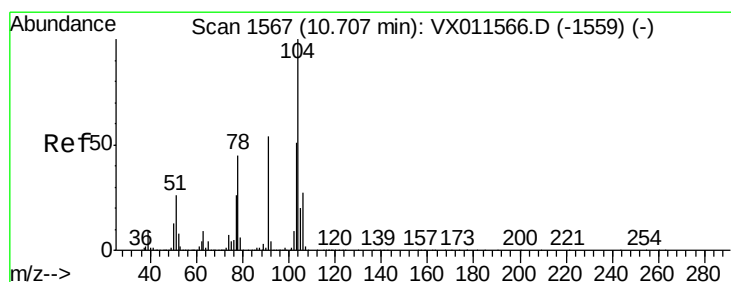
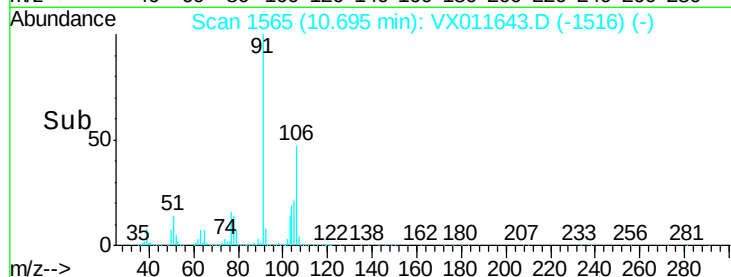
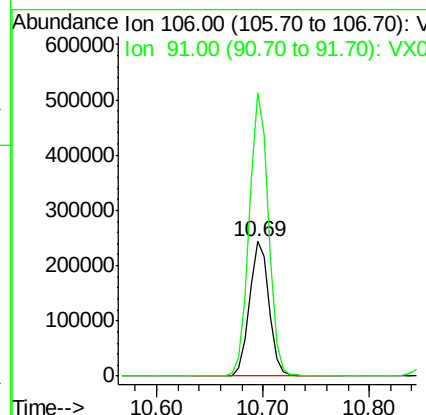
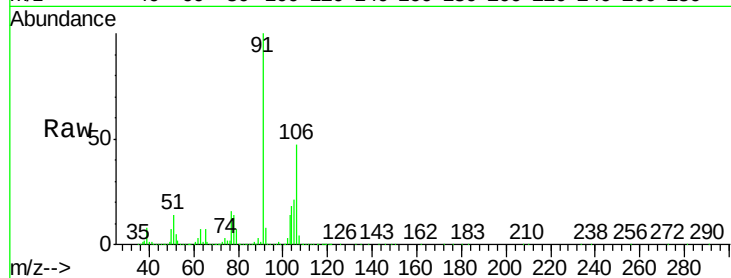
#69
o-Xylene
Concen: 53.915 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.8	105.5	316.4

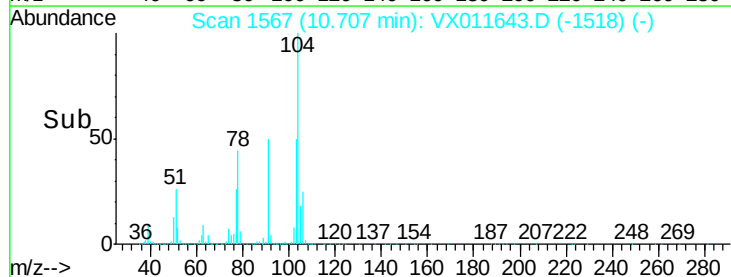
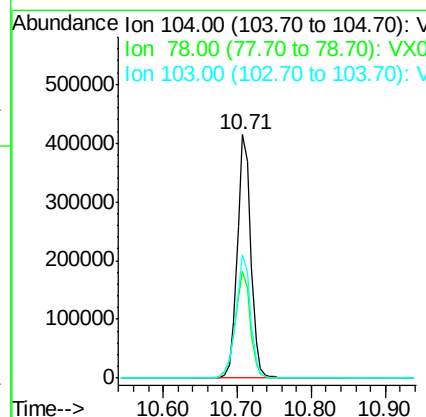
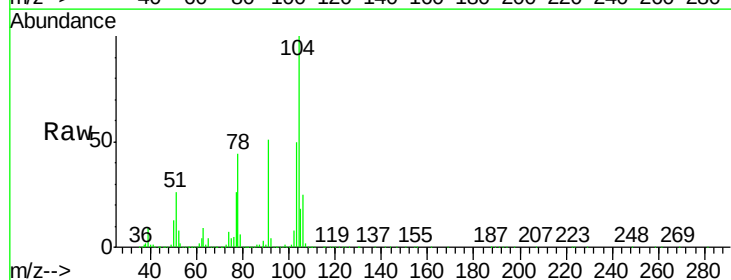
Manual Integrations
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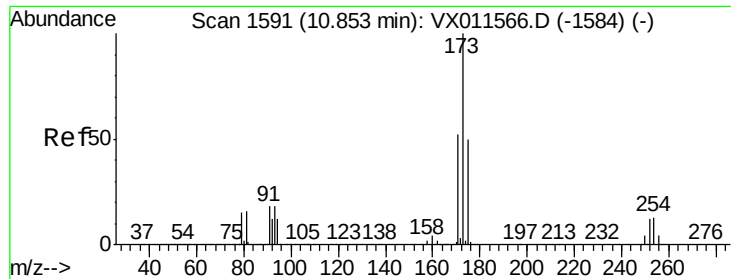
MMDadoda
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#70
Styrene
Concen: 54.179 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.2	57.4
103	54.4	43.6	65.4





#71

Bromoform

Concen: 48.634 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

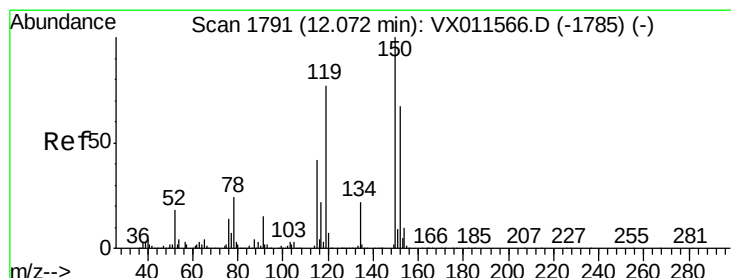
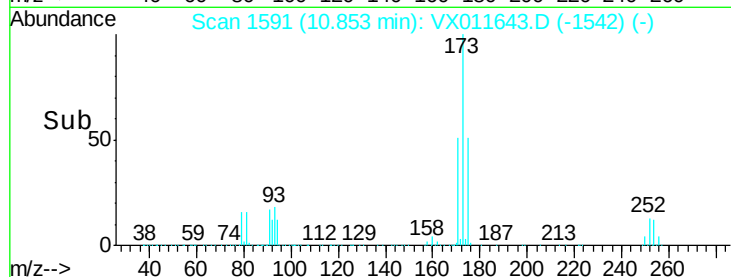
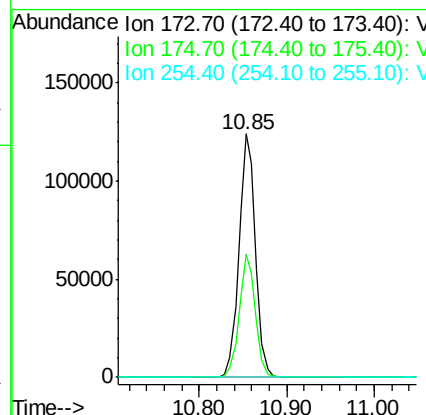
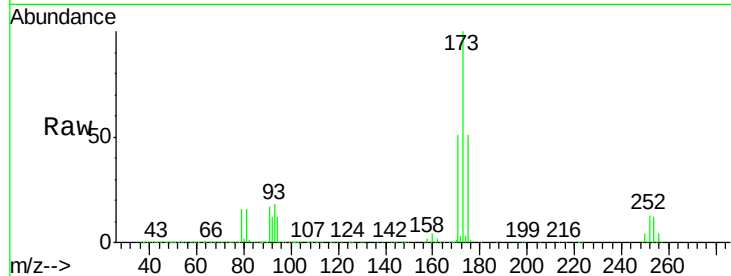
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
173	100	163167		
175	49.3	24.9	74.7	
254	0.2	0.1	0.1#	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

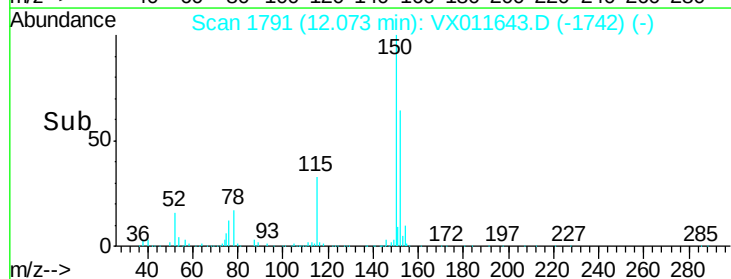
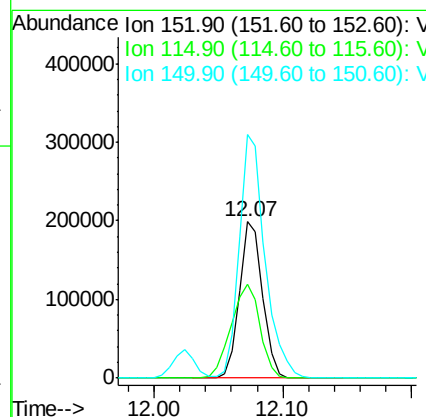
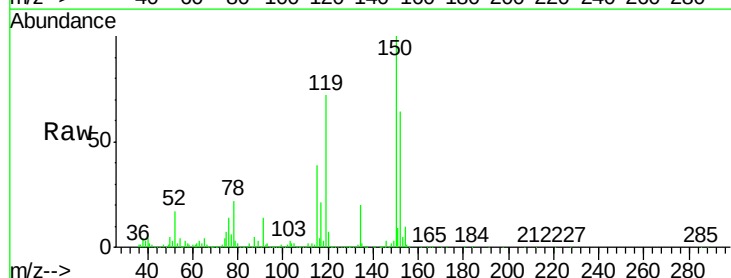
RT: 12.07 min Scan# 1791

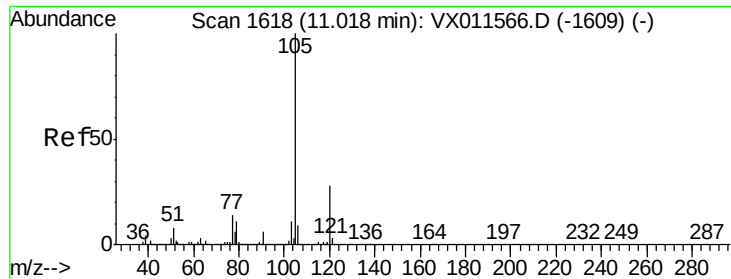
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	248613		
115	75.3	37.3	111.9	
150	172.7	0.0	346.2	





#73

Isopropylbenzene

Concen: 51.866 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 836711

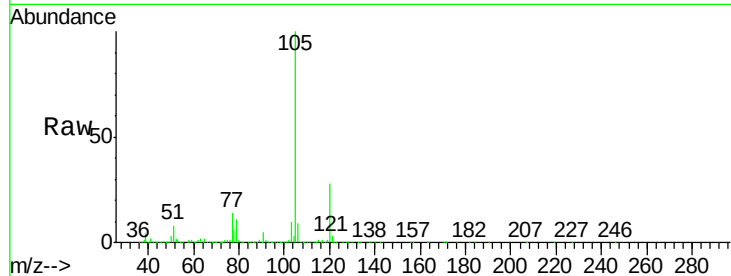
Ion Ratio Lower Upper

105 100

120 27.6 14.0 41.9

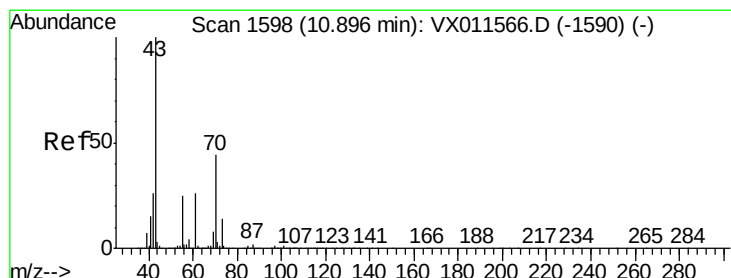
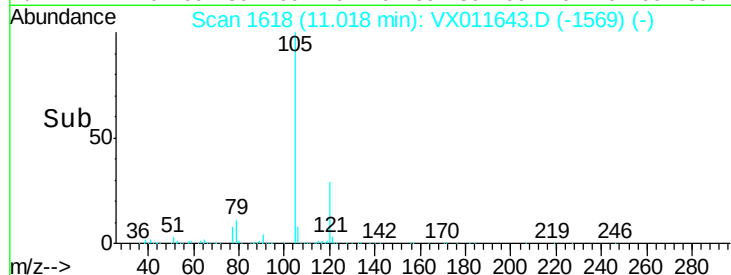
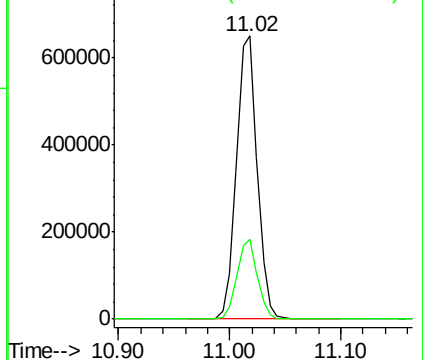
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.577 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion: 43 Resp: 346736

Ion Ratio Lower Upper

43 100

70 43.6 34.7 52.1

55 24.1 19.6 29.4

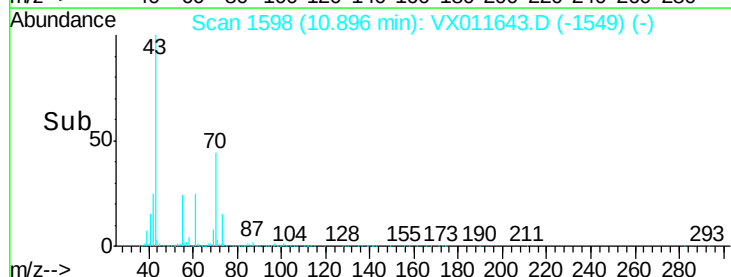
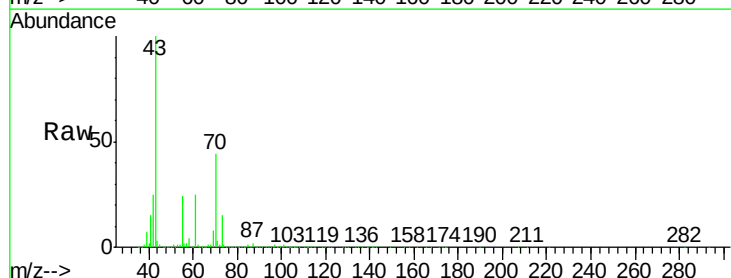
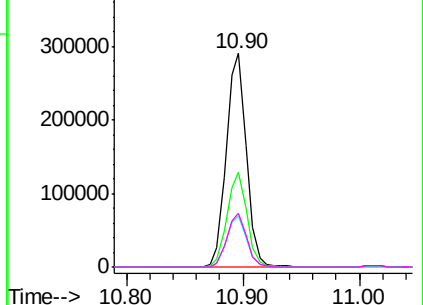
61 24.6 19.9 29.9

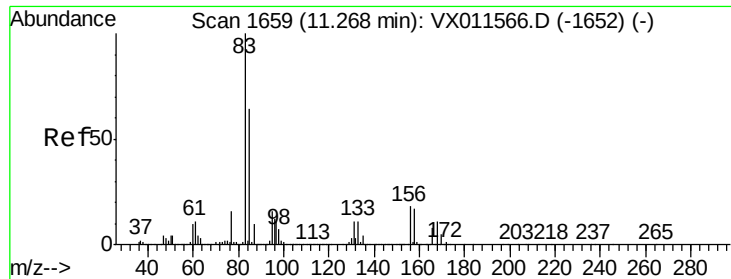
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.589 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

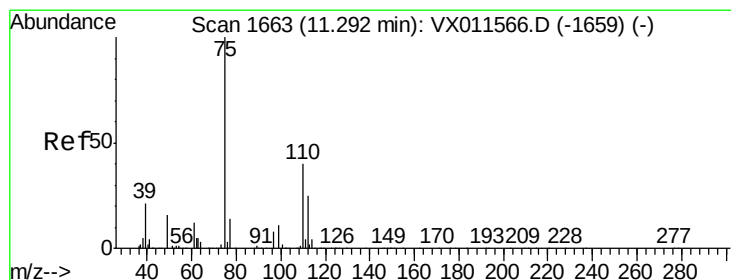
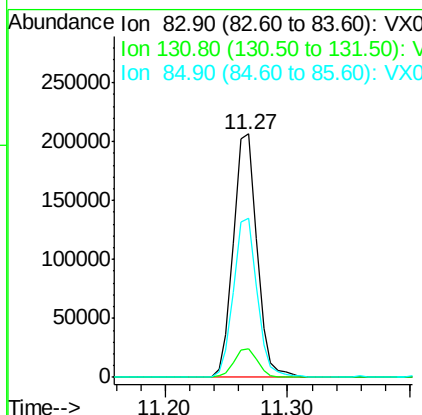
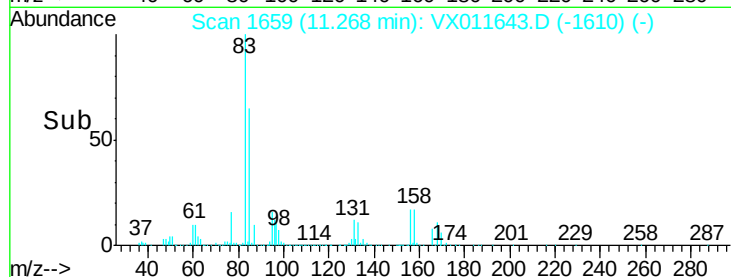
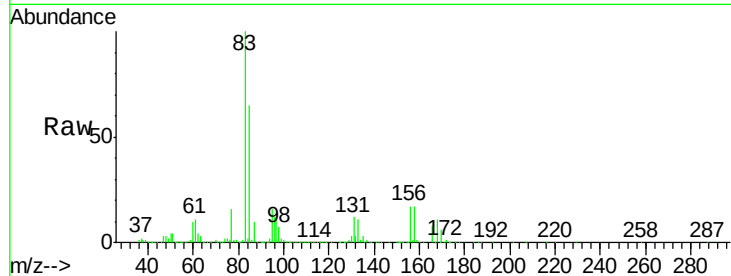
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	275196
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.8	17.3
85	65.5	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 50.342 ug/l m

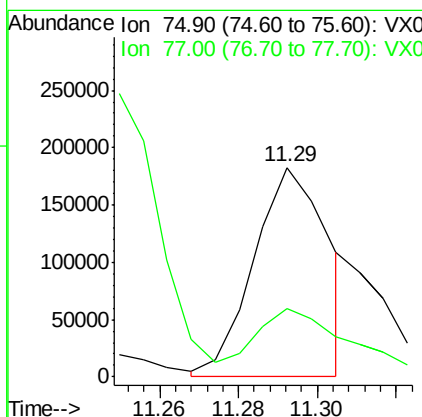
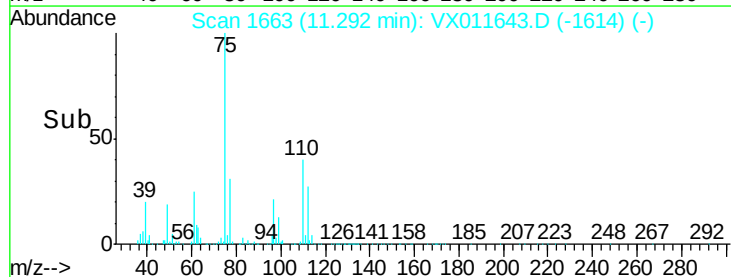
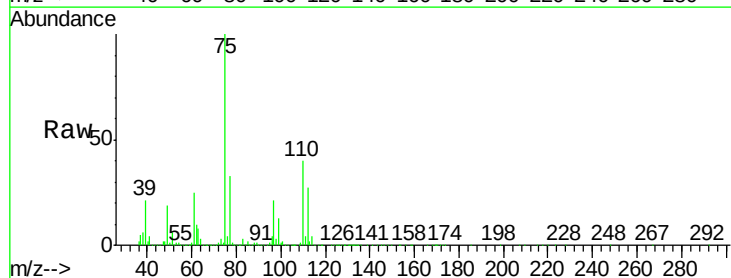
RT: 11.29 min Scan# 1663

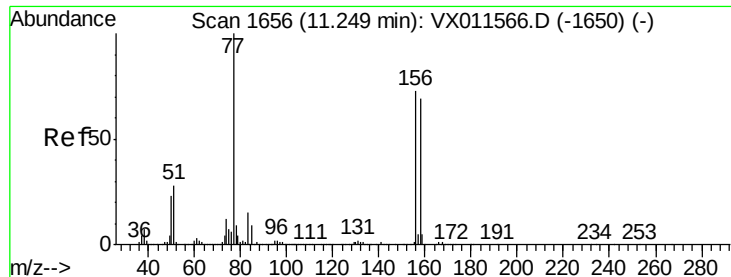
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	75	Resp:	237327
Ion Ratio	Lower	Upper	
75	100		
77	42.2	20.9	62.8





#77

Bromobenzene

Concen: 50.037 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

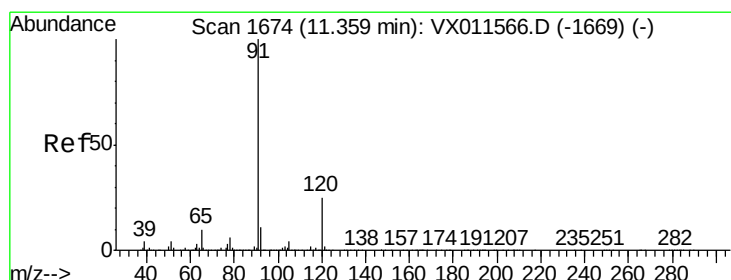
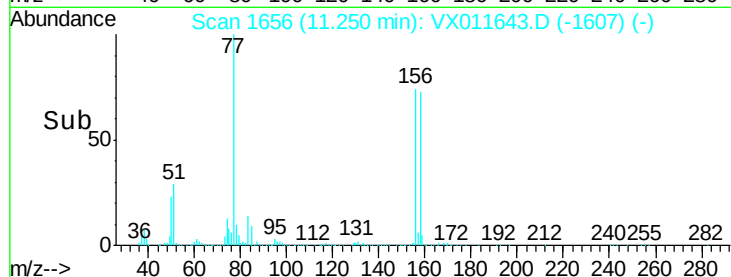
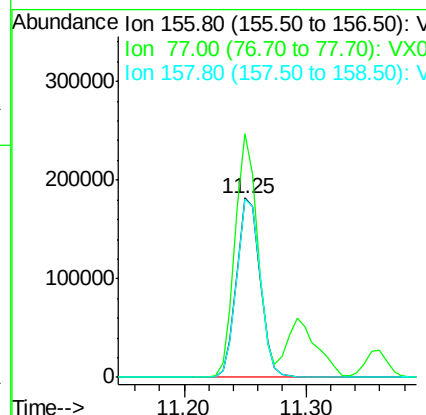
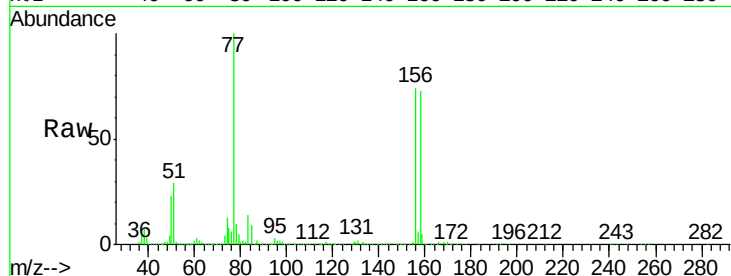
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	240156
Ion Ratio	Lower	Upper	
156	100		
77	130.6	64.6	193.9
158	99.3	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 52.407 ug/l

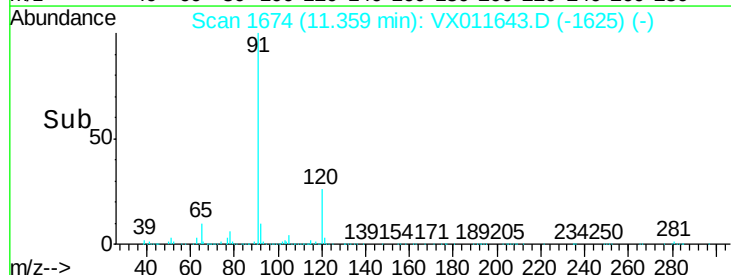
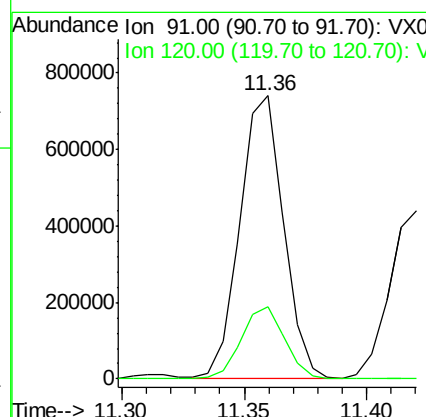
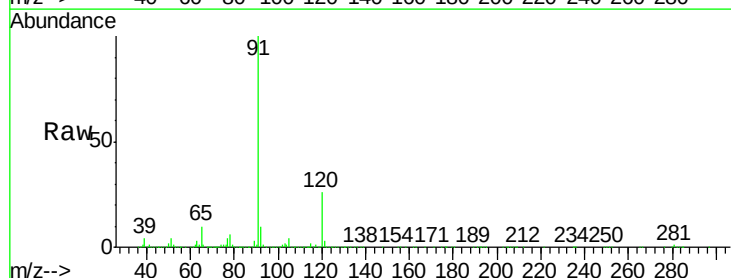
RT: 11.36 min Scan# 1674

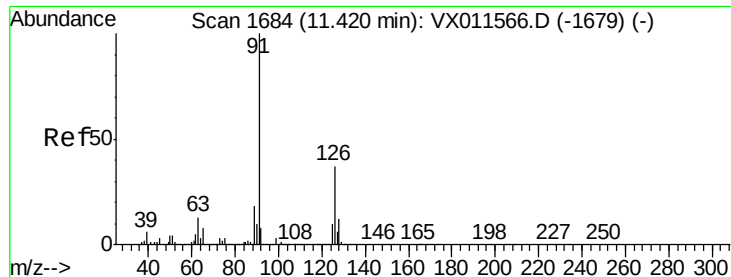
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	91	Resp:	911634
Ion Ratio	Lower	Upper	
91	100		
120	25.4	12.6	37.6





#79

2-Chlorotoluene

Concen: 51.404 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 549081

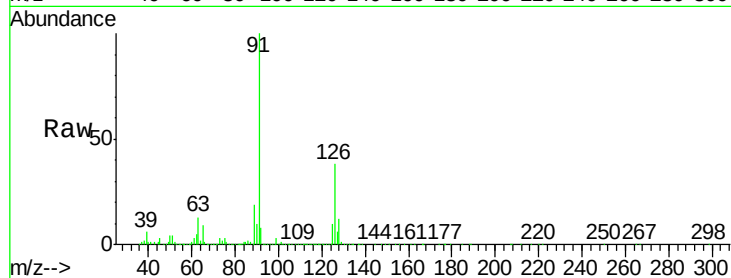
Ion Ratio Lower Upper

91 100

126 37.5 18.4 55.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

800000

600000

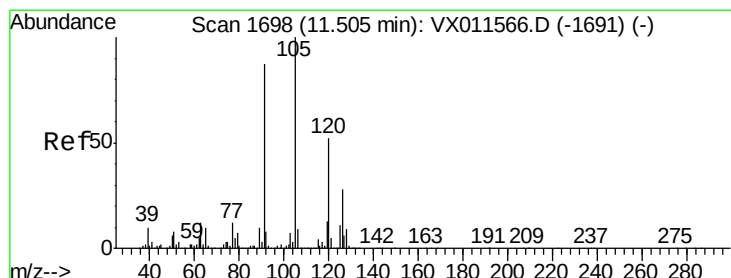
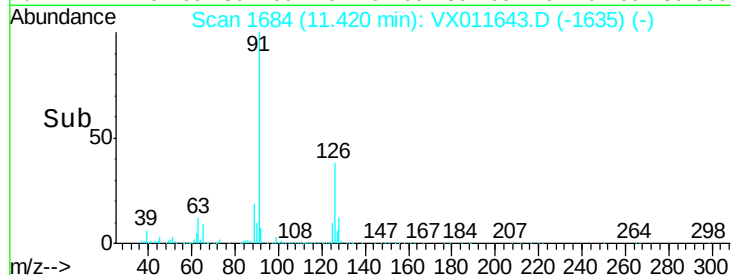
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.858 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011643.D

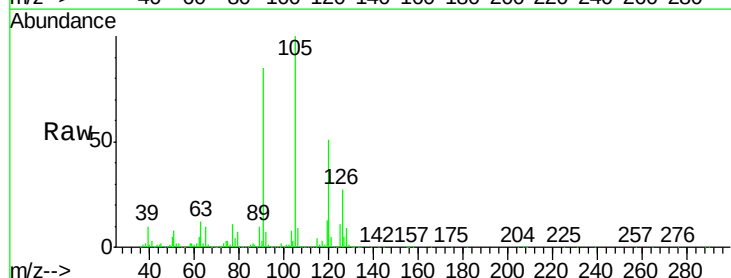
Acq: 19 Aug 2019 19:37

Tgt Ion:105 Resp: 716306

Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

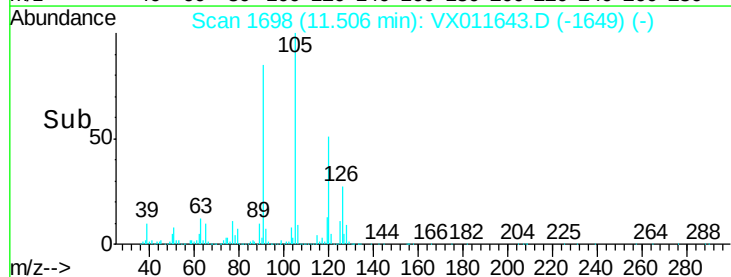
400000

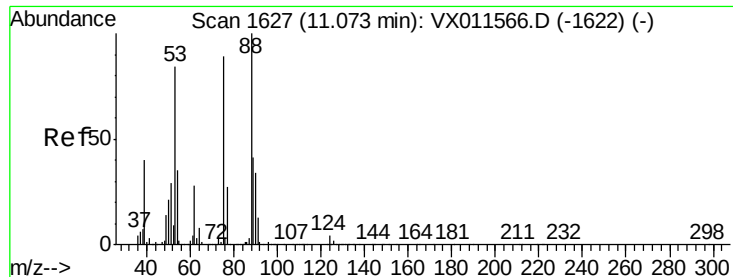
200000

0

11.50 11.60

Time-->





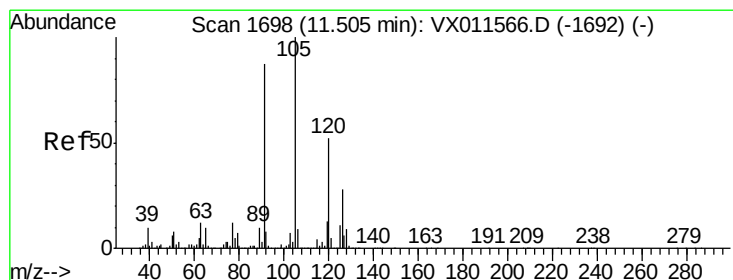
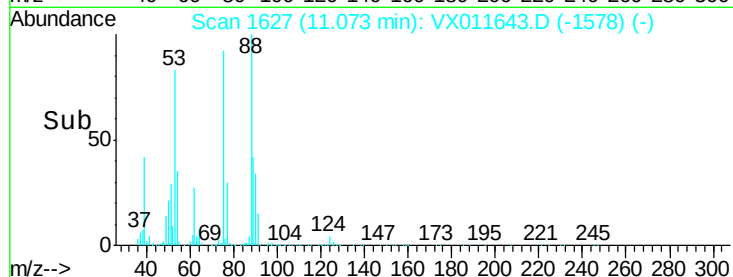
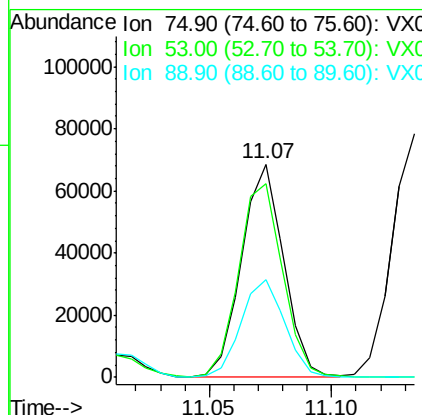
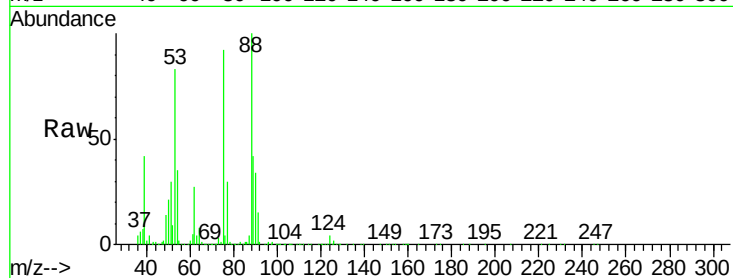
#81
trans-1,4-Dichloro-2-butene
Concen: 47.049 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	77.4	116.0
89	48.1	37.3	55.9

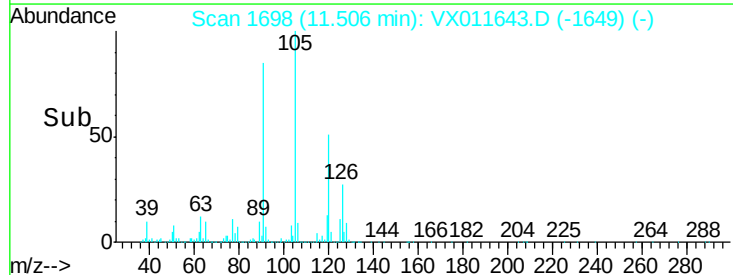
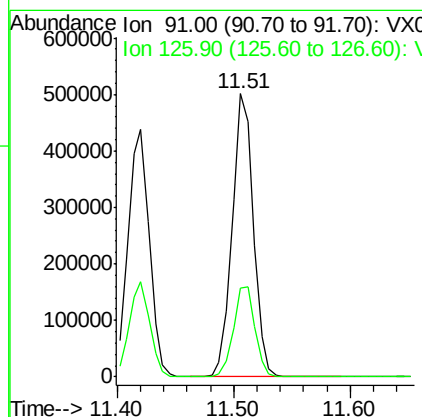
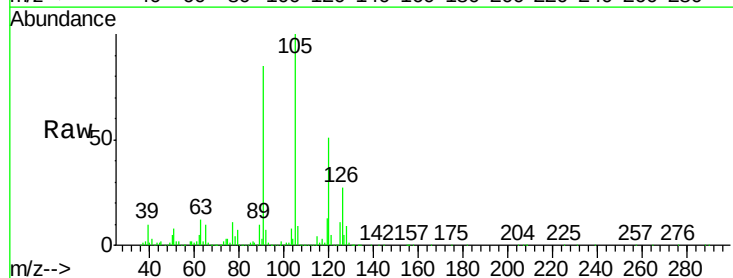
Manual Integrations
APPROVED

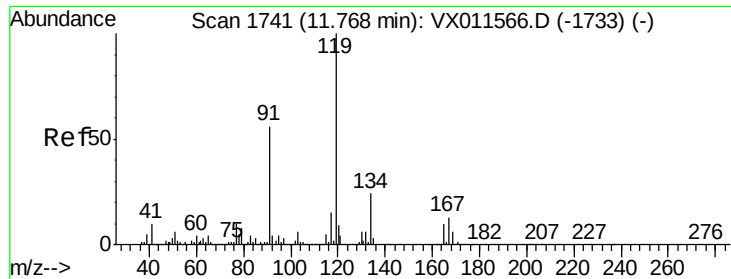
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.222 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





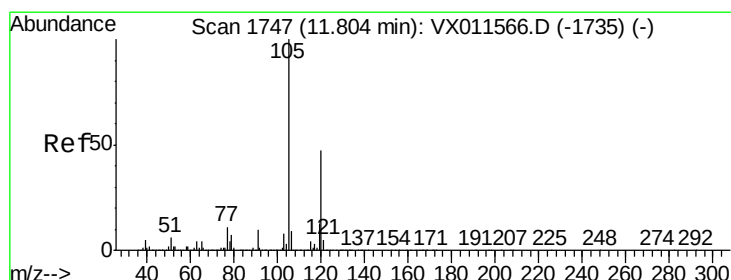
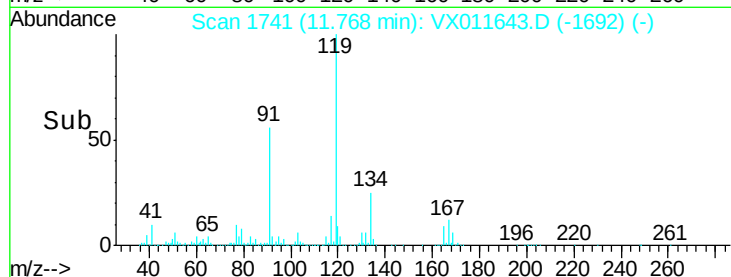
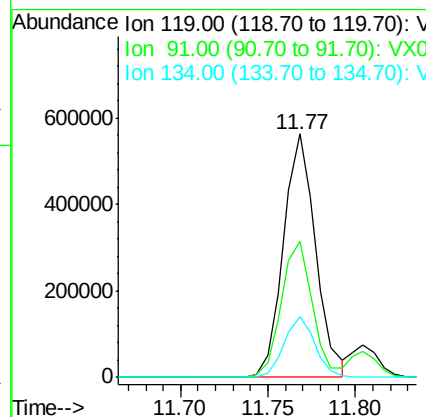
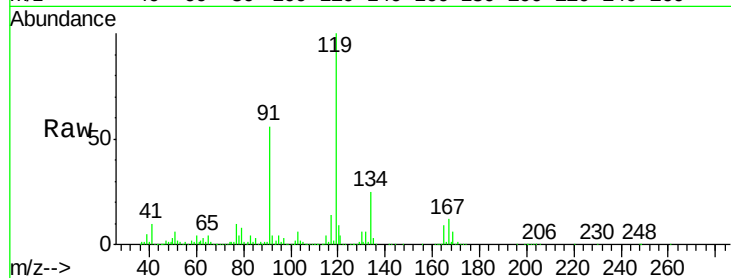
#83
 tert-Butylbenzene
 Concen: 52.322 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	722149		
91	54.4		27.1	81.3
134	23.9		11.8	35.3

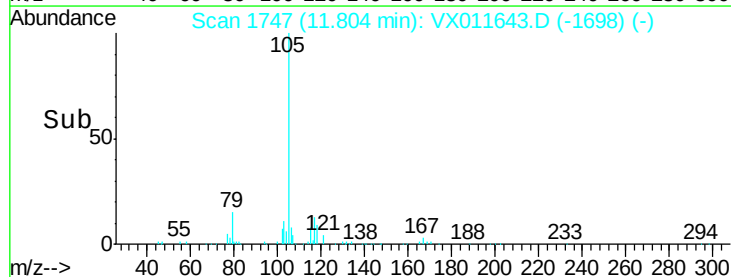
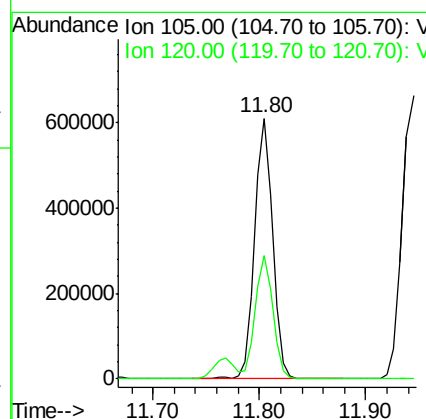
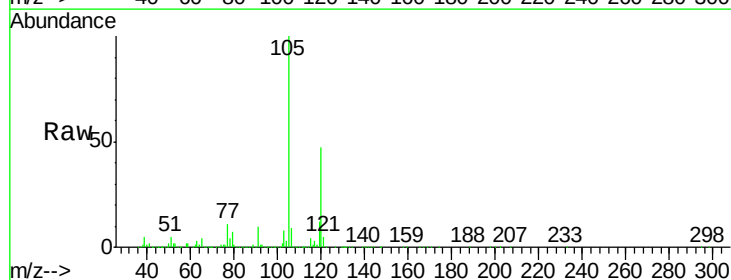
Manual Integrations
 APPROVED

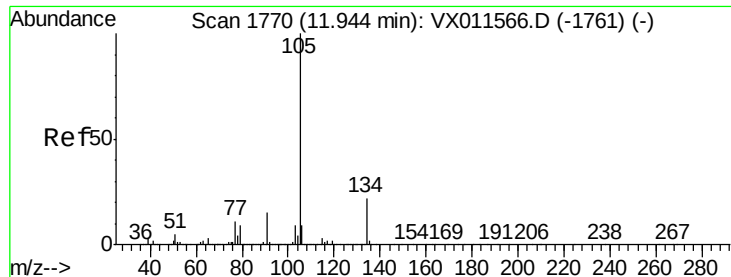
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.434 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	726957		
120	46.8		23.3	69.9





#85

sec-Butylbenzene

Concen: 52.301 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 814433

Ion Ratio Lower Upper

105 100

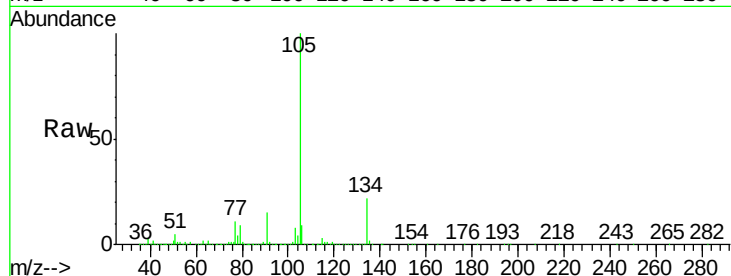
134 21.8 10.8 32.4

Manual Integrations

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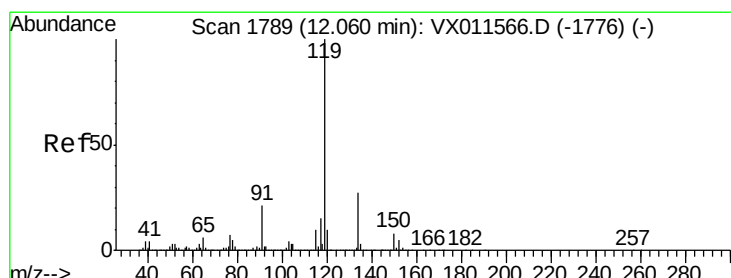
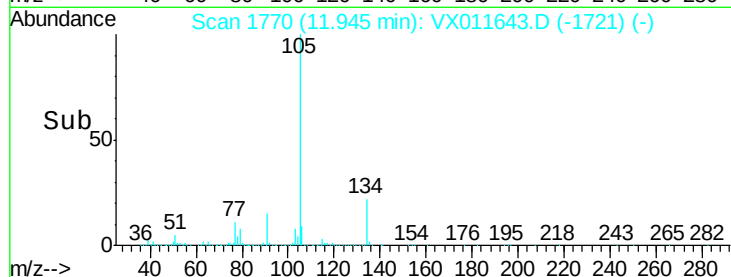
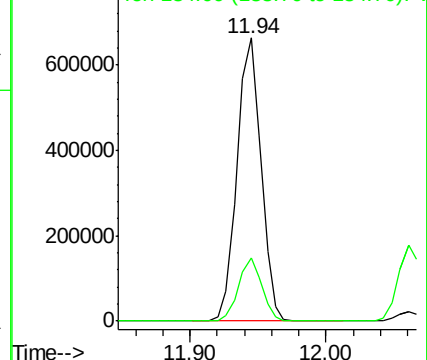
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.319 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

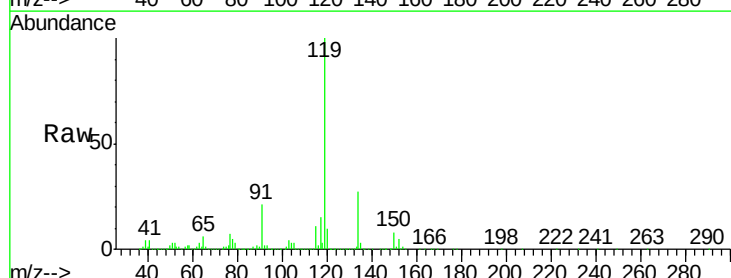
Tgt Ion:119 Resp: 781104

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

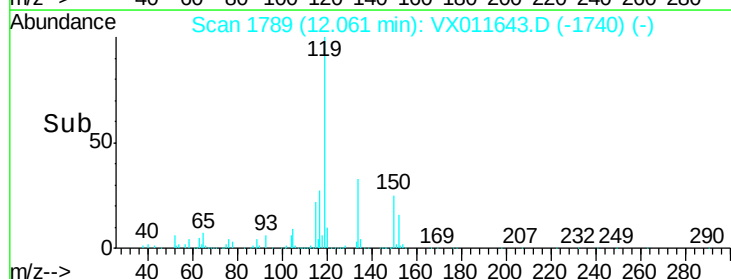
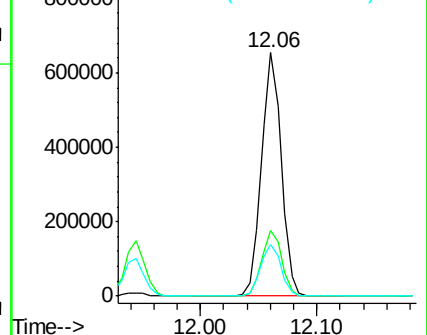
91 21.8 10.9 32.9

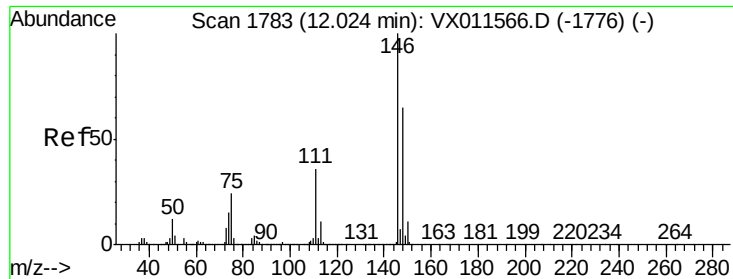


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.129 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

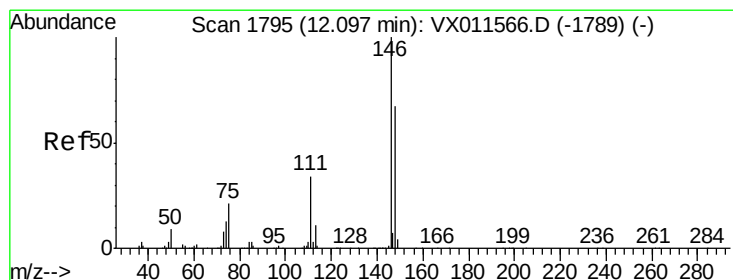
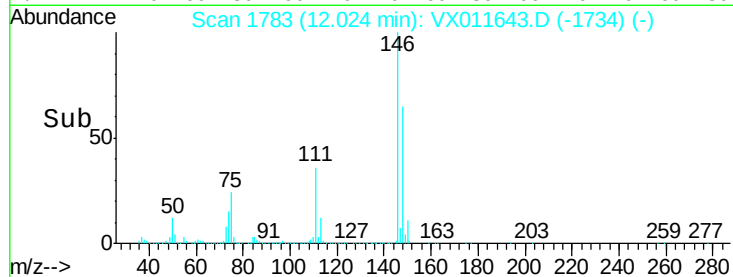
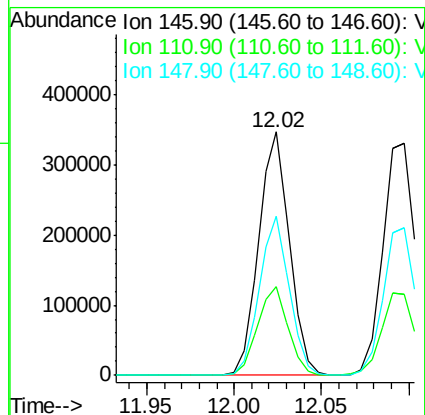
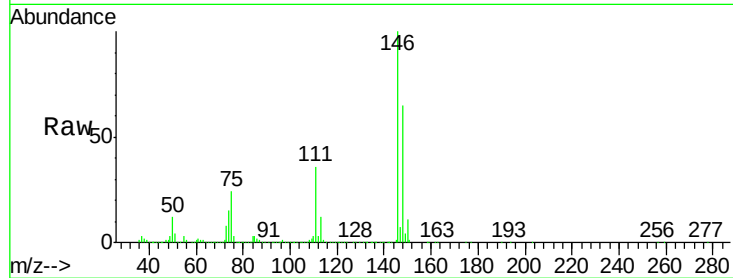
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	421807
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.1	54.4
148	64.0	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.844 ug/l

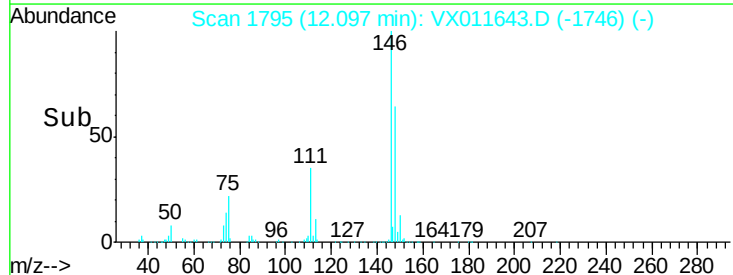
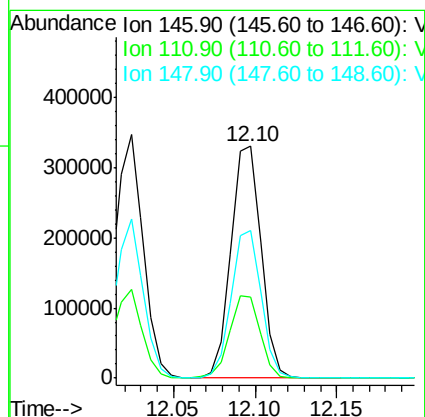
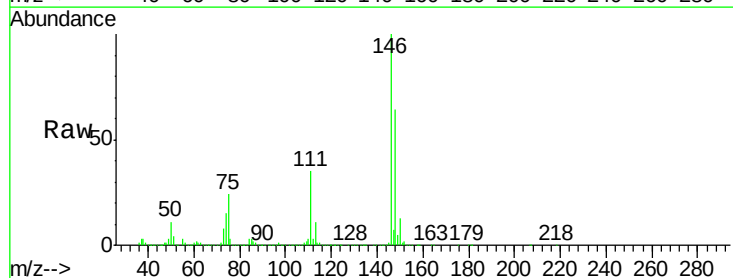
RT: 12.10 min Scan# 1795

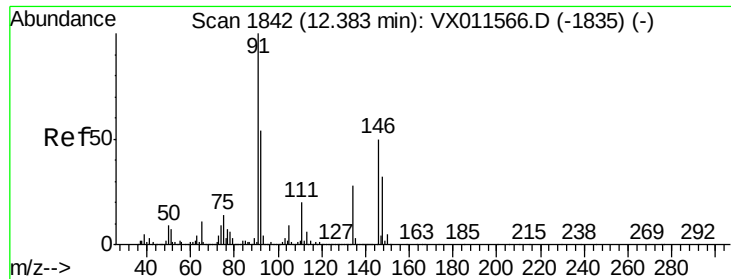
Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	146	Resp:	425130
Ion Ratio	Lower	Upper	
146	100		
111	35.8	17.9	53.7
148	63.3	32.5	97.5





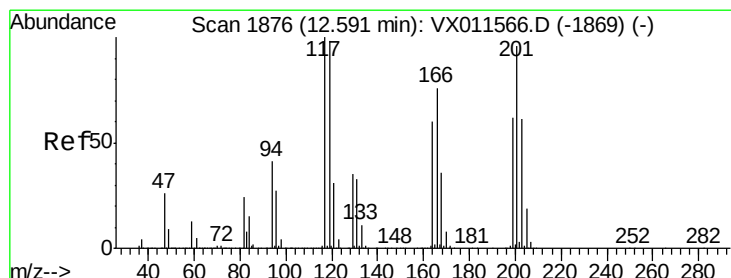
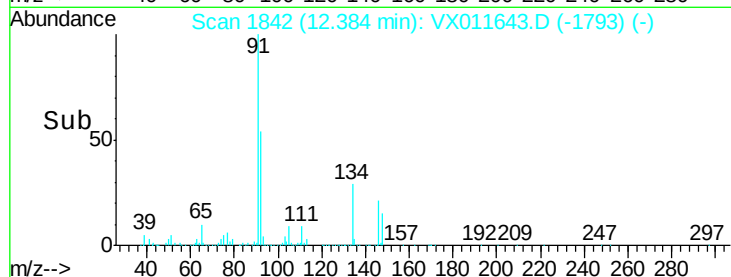
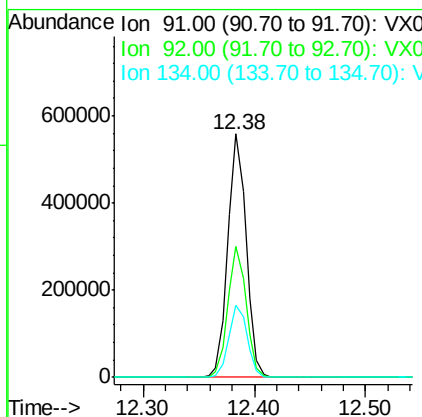
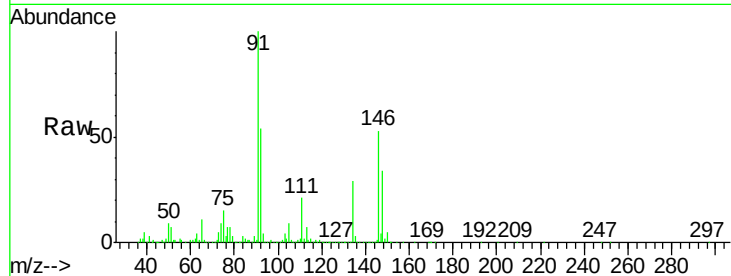
#89
n-Butylbenzene
Concen: 52.945 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.3
134	29.7	14.6	44.0

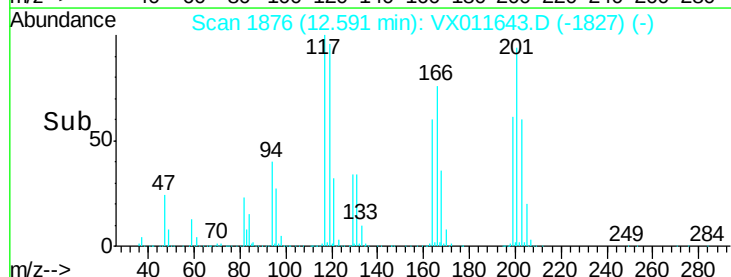
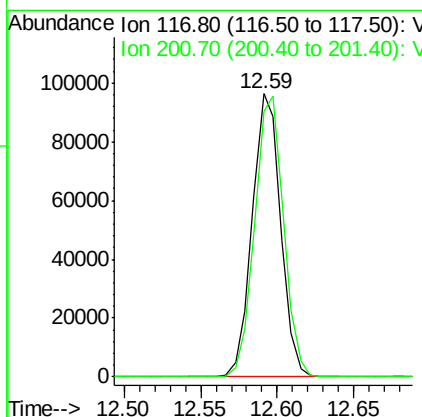
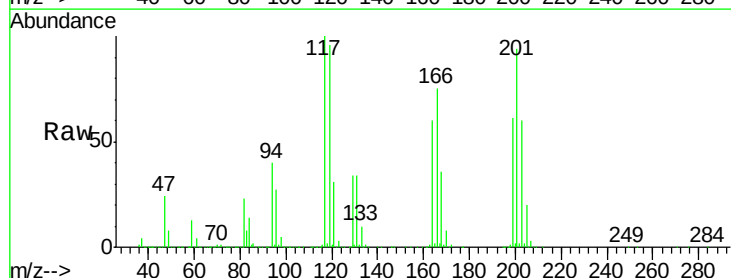
Manual Integrations
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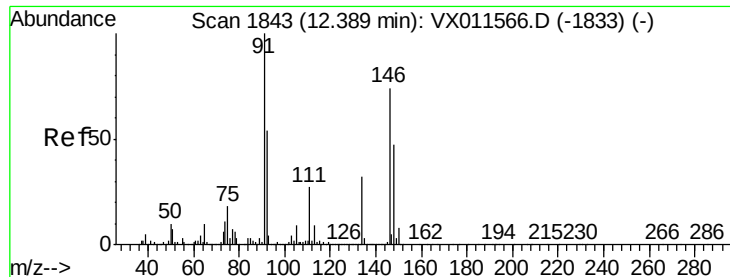
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#90
Hexachloroethane
Concen: 53.779 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011643.D
Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.1	51.9	155.7





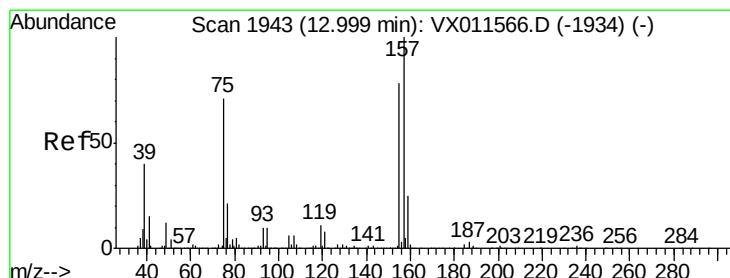
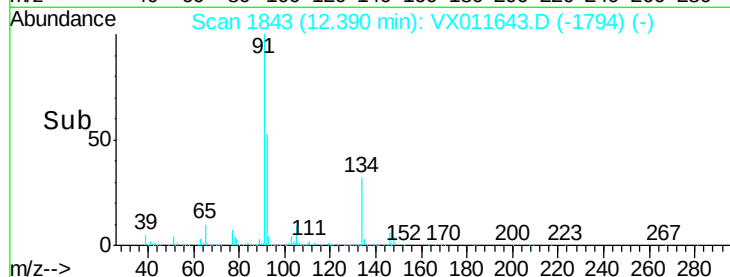
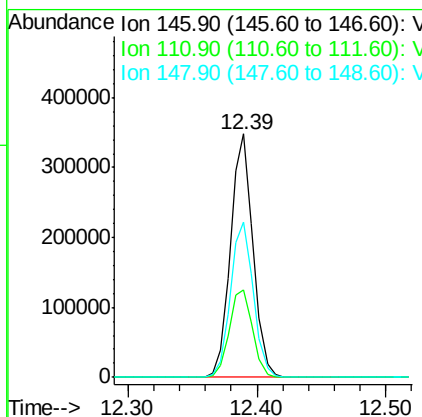
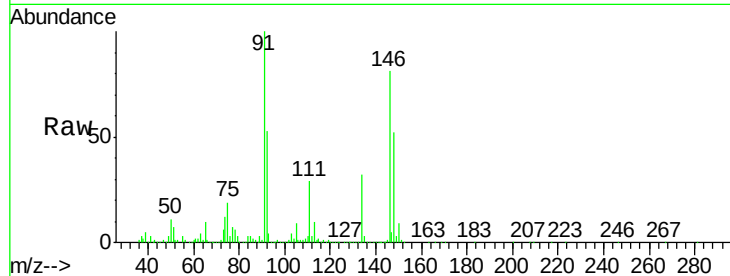
#91
 1,2-Dichlorobenzene
 Concen: 51.369 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.7
148	64.8	31.9	95.9

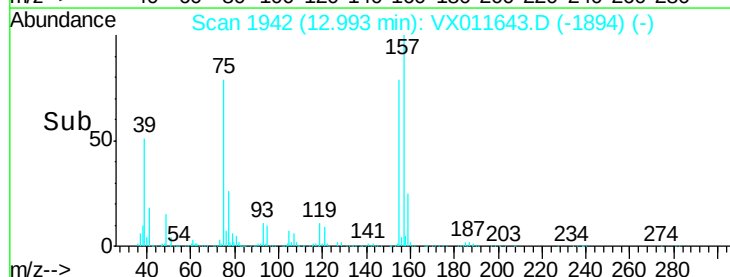
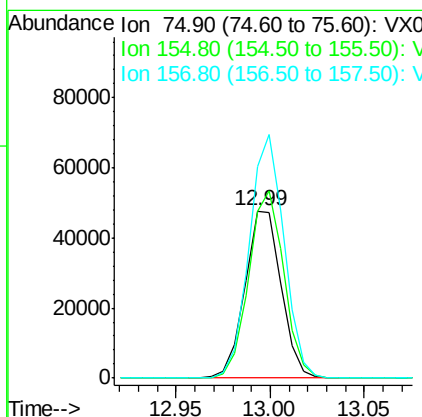
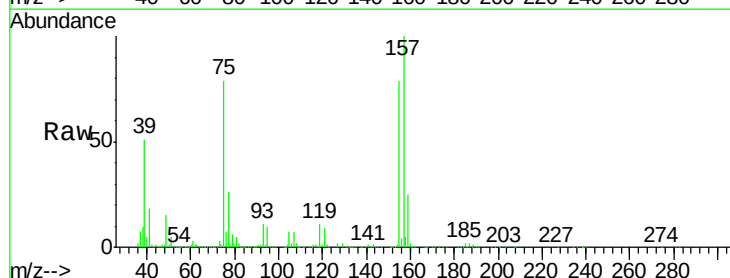
Manual Integrations
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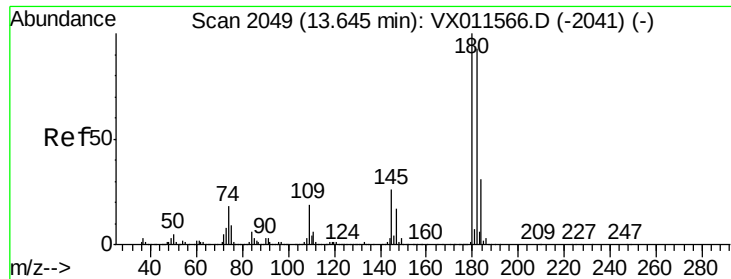
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.092 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.2	53.0	159.0
157	139.6	68.3	205.1





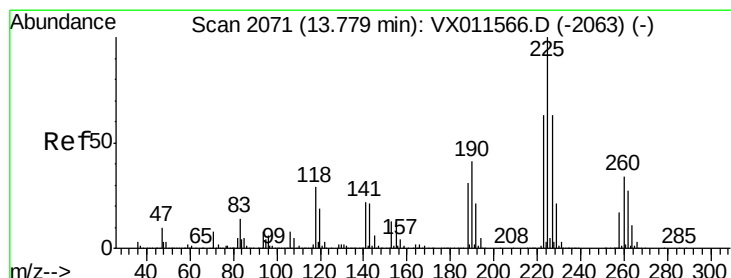
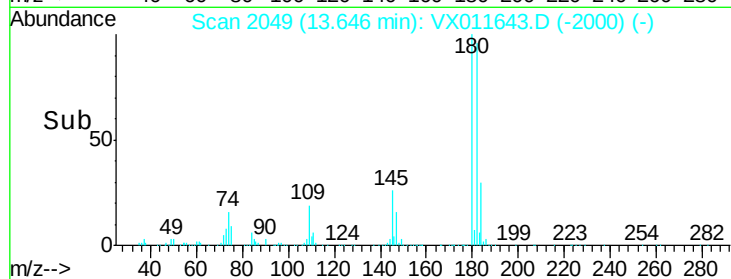
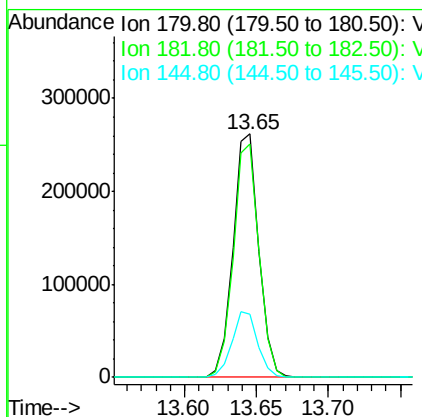
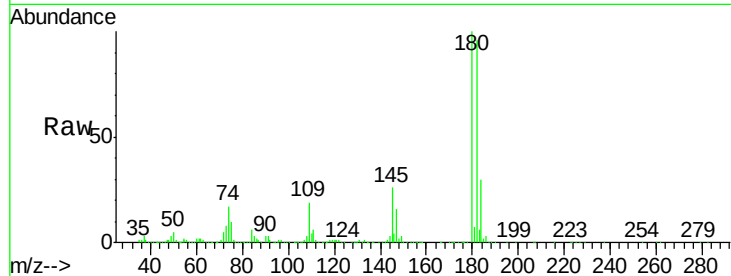
#93
 1,2,4-Trichlorobenzene
 Concen: 52.987 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	47.3	142.0	
145	27.2	13.6	40.8	

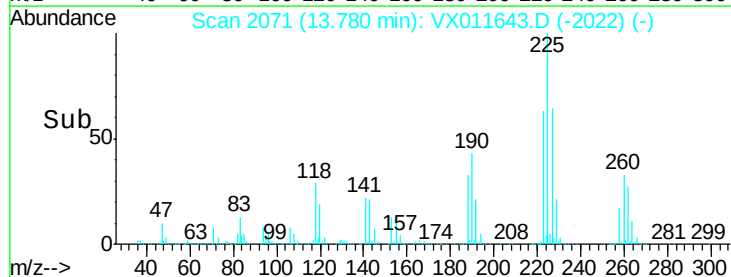
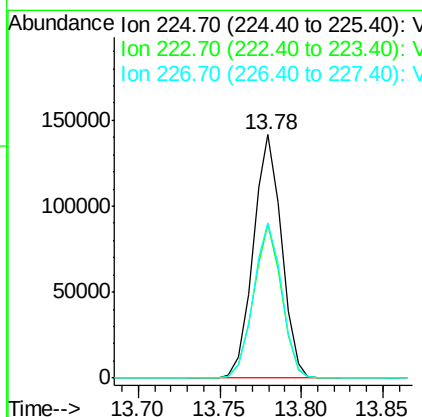
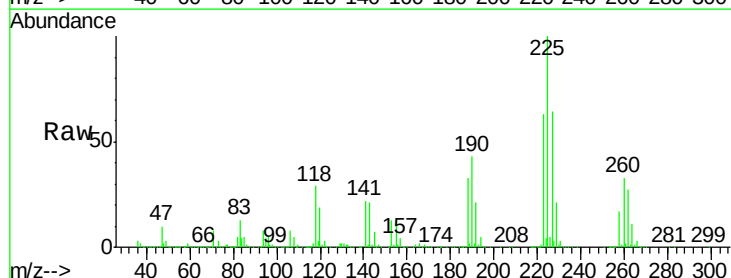
Manual Integrations
 APPROVED

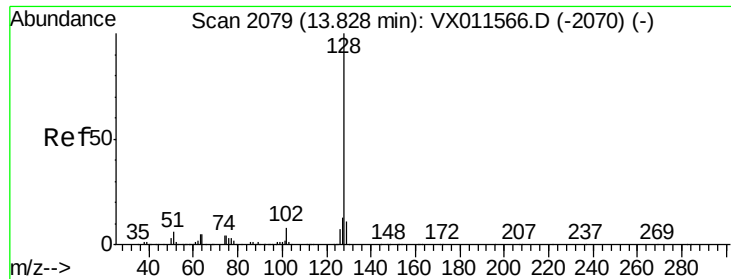
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 50.737 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011643.D
 Acq: 19 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.4	94.0	
227	64.1	31.2	93.6	





#95

Naphthalene

Concen: 55.587 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Instrument :

MSVOA_X

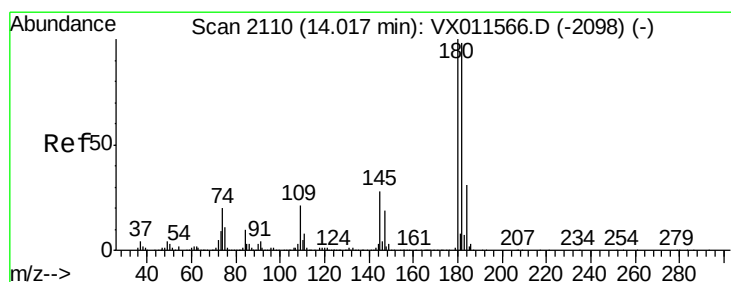
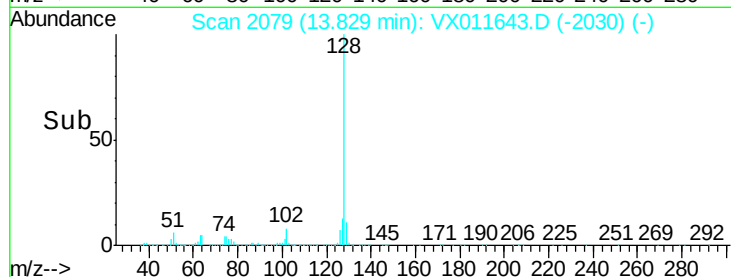
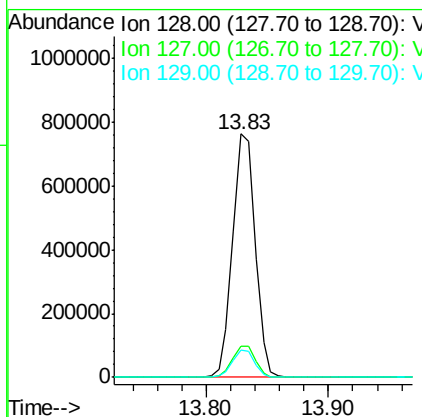
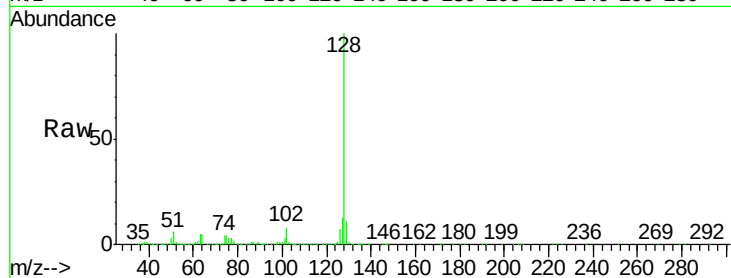
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	969661
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:48:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.917 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011643.D

Acq: 19 Aug 2019 19:37

Tgt Ion:	180	Resp:	329338
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.0	144.0
145	30.0	14.6	43.8

