

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011645.D
 Acq On : 19 Aug 2019 20:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 3:40:45 PM

Quant Time: Aug 20 12:00:51 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	313893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	430311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	152288	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	5.49	113	138137	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	8.71	98	453064	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.13	95	190622	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	191972	62.220	ug/l	97
3) Chloromethane	1.32	50	159725	49.843	ug/l	100
4) Vinyl Chloride	1.40	62	162222	56.039	ug/l	97
5) Bromomethane	1.63	94	80786	62.282	ug/l	98
6) Chloroethane	1.71	64	82253	60.035	ug/l	99
7) Trichlorofluoromethane	1.92	101	240299	59.931	ug/l	99
8) Diethyl Ether	2.18	74	79643	57.904	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	154989	55.963	ug/l	99
10) Methyl Iodide	2.50	142	215334	54.581	ug/l	99
11) Tert butyl alcohol	3.04	59	203896	285.514	ug/l	99
12) 1,1-Dichloroethene	2.37	96	147951	55.279	ug/l	99
13) Acrolein	2.29	56	65203	294.453	ug/l	98
14) Allyl chloride	2.72	41	256955	57.714	ug/l	99
15) Acrylonitrile	3.13	53	479957	293.651	ug/l	100
16) Acetone	2.43	43	403498	275.674	ug/l	100
17) Carbon Disulfide	2.56	76	347814	55.150	ug/l	100
18) Methyl Acetate	2.76	43	273456	60.241	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	528315	60.609	ug/l	99
20) Methylene Chloride	2.85	84	170308	55.417	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	161519	56.948	ug/l	99
22) Diisopropyl ether	3.85	45	525712	59.291	ug/l	99
23) Vinyl Acetate	3.81	43	2105325	299.853	ug/l	100
24) 1,1-Dichloroethane	3.69	63	290328	57.914	ug/l	99
25) 2-Butanone	4.67	43	665842	289.768	ug/l	98
26) 2,2-Dichloropropane	4.57	77	208363	55.224	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	190346	57.569	ug/l	99
28) Bromochloromethane	5.01	49	127803	58.075	ug/l	100
29) Tetrahydrofuran	5.12	42	430437	285.564	ug/l	99
30) Chloroform	5.20	83	305491	57.743	ug/l	98
31) Cyclohexane	5.57	56	241641	55.985	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	273836	60.196	ug/l	99
36) 1,1-Dichloropropene	5.79	75	213885	58.135	ug/l	99
37) Ethyl Acetate	4.82	43	250454	59.186	ug/l	100
38) Carbon Tetrachloride	5.78	117	243373	60.042	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	253018	55.689	ug/l	97
40) Benzene	6.13	78	649338	56.794	ug/l	99
41) Methacrylonitrile	5.03	41	140549	60.348	ug/l	99
42) 1,2-Dichloroethane	6.18	62	244069	61.615	ug/l	98
43) Isopropyl Acetate	6.44	43	393266	59.549	ug/l	98
44) Trichloroethene	7.21	130	187425	55.261	ug/l	96
45) 1,2-Dichloropropane	7.51	63	166193	58.286	ug/l	98
46) Dibromomethane	7.66	93	119645	57.743	ug/l	94
47) Bromodichloromethane	7.89	83	225667	59.316	ug/l	99
48) Methyl methacrylate	7.76	41	197217	60.304	ug/l	98
49) 1,4-Dioxane	7.74	88	96191	1105.832	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1293305	299.196	ug/l	100
52) Toluene	8.78	92	430874	59.154	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	244946	62.036	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	268476	62.132	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	183418	59.215	ug/l	99
56) Ethyl methacrylate	9.18	69	279310	62.041	ug/l	100
57) 1,3-Dichloropropane	9.37	76	290405	58.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	669881	298.630	ug/l	99
59) 2-Hexanone	9.49	43	993408	298.017	ug/l	99
60) Dibromochloromethane	9.58	129	205373	63.637	ug/l	100
61) 1,2-Dibromoethane	9.67	107	196189	59.347	ug/l	99
64) Tetrachloroethene	9.34	164	195144	55.068	ug/l	98
65) Chlorobenzene	10.13	112	488533	53.031	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	193494	56.196	ug/l	99
67) Ethyl Benzene	10.25	91	840184	54.649	ug/l	99
68) m/p-Xylenes	10.35	106	656633	111.267	ug/l	98
69) o-Xylene	10.69	106	318291	55.061	ug/l	98
70) Styrene	10.71	104	544863	55.991	ug/l	99
71) Bromoform	10.85	173	166814	49.864	ug/l	99
73) Isopropylbenzene	11.02	105	852528	57.016	ug/l	99
74) N-amyl acetate	10.90	43	349884	55.062	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	280467	54.526	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	241477m	55.263	ug/l	
77) Bromobenzene	11.26	156	248855	55.940	ug/l	100
78) n-propylbenzene	11.36	91	929418	57.644	ug/l	100
79) 2-Chlorotoluene	11.42	91	562684	56.834	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	720091	57.329	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	82594	51.097	ug/l	99
82) 4-Chlorotoluene	11.51	91	646219	56.261	ug/l	100
83) tert-Butylbenzene	11.77	119	711947	55.652	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	727790	57.716	ug/l	98
85) sec-Butylbenzene	11.94	105	820917	56.877	ug/l	100
86) p-Isopropyltoluene	12.06	119	766031	56.415	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	412382	53.930	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	416491	53.740	ug/l	99
89) n-Butylbenzene	12.38	91	622034	55.721	ug/l	99
90) Hexachloroethane	12.59	117	123975	57.818	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	394874	51.443	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	64712	54.991	ug/l	99

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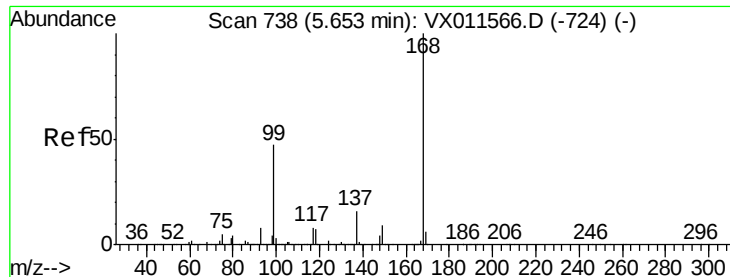
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	332581	58.151	ug/l	99
94) Hexachlorobutadiene	13.78	225	171423	55.045	ug/l	98
95) Naphthalene	13.83	128	974958	60.299	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	338893	58.748	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 313893

Ion Ratio Lower Upper

168 100

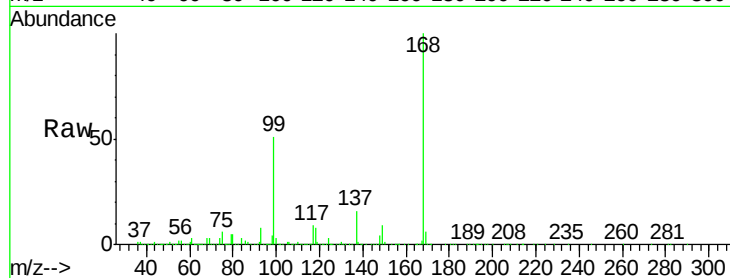
99 50.4 37.3 55.9

Manual Integrations

APPROVED

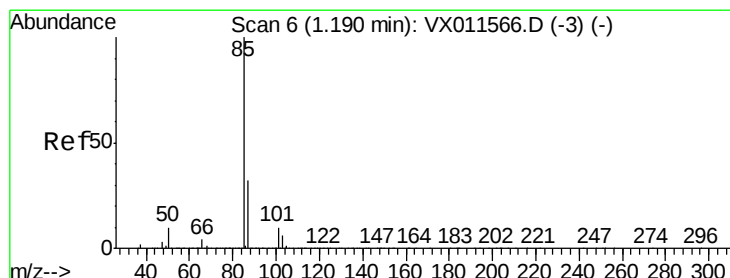
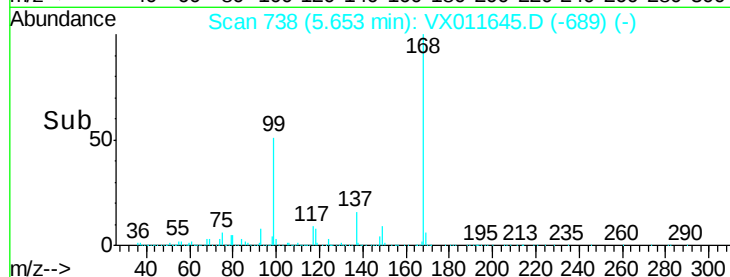
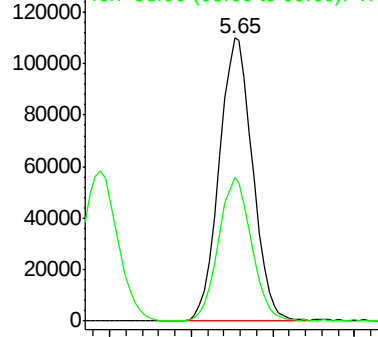
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 62.220 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011645.D

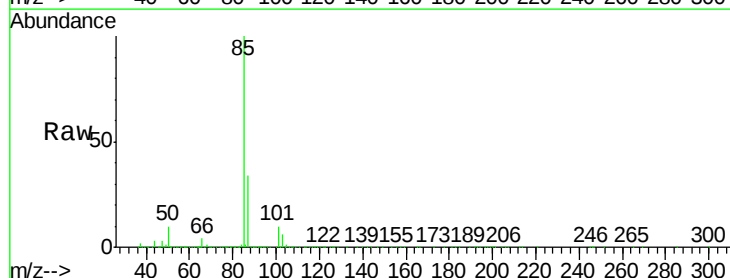
Acq: 19 Aug 2019 20:47

Tgt Ion: 85 Resp: 191972

Ion Ratio Lower Upper

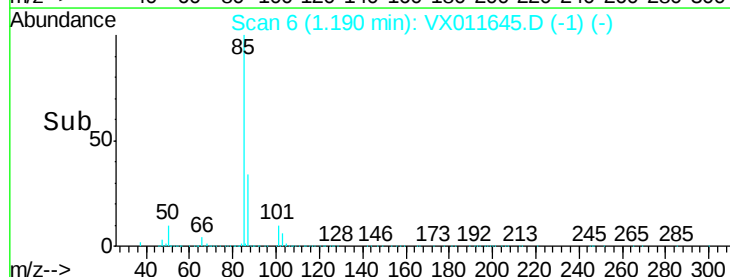
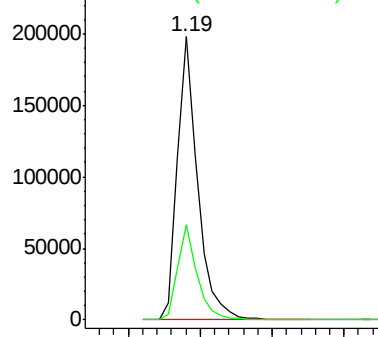
85 100

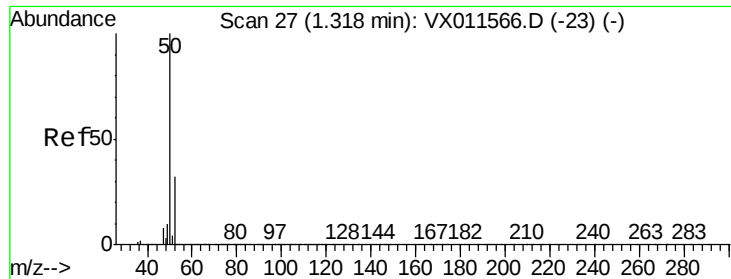
87 33.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.843 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 159725

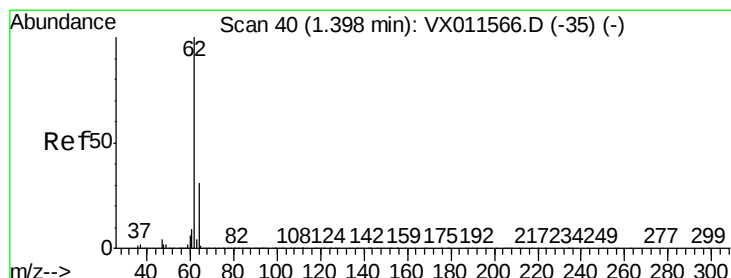
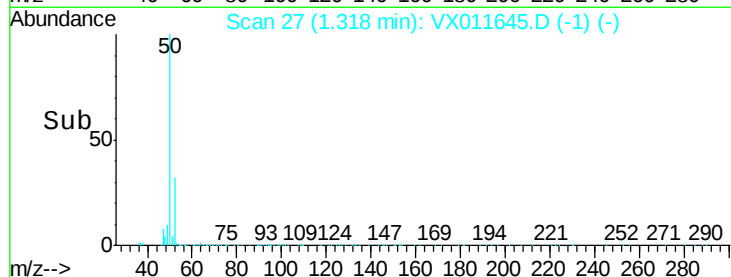
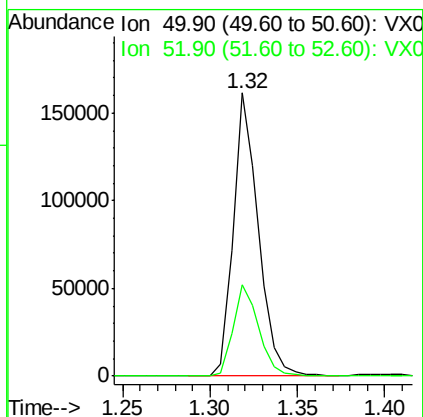
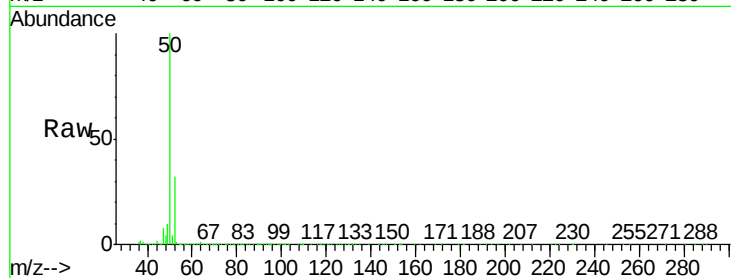
Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 56.039 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011645.D

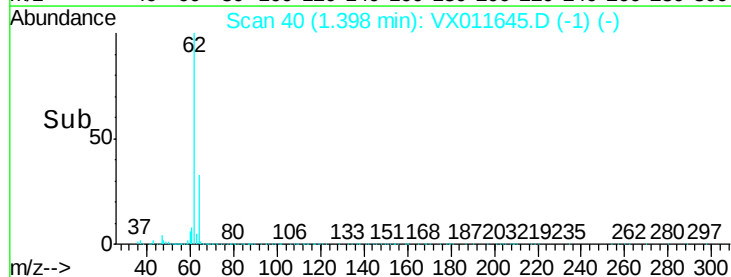
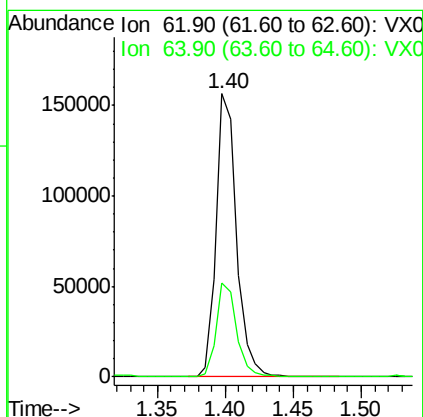
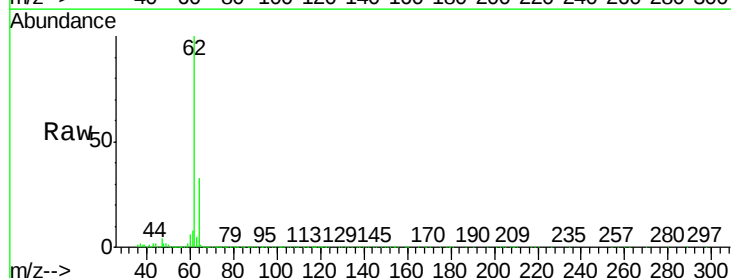
Acq: 19 Aug 2019 20:47

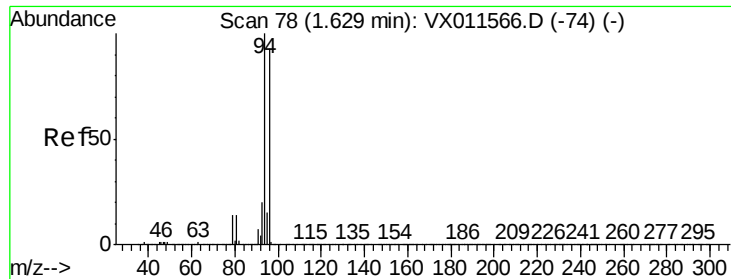
Tgt Ion: 62 Resp: 162222

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4





#5

Bromomethane

Concen: 62.282 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tot Ion: 94 Resp: 80786

Ion Ratio Lower Upper

94 100

96 91.7 74.8 112.2

Instrument :

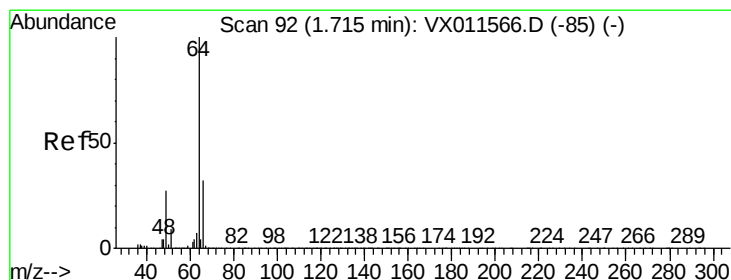
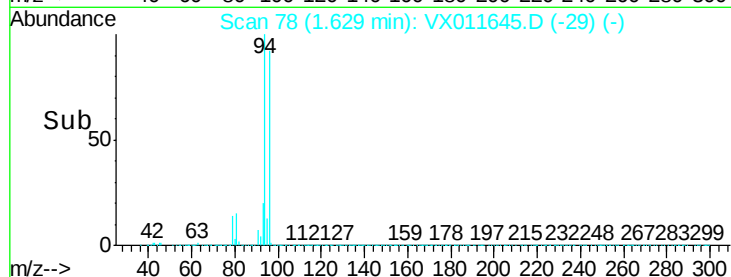
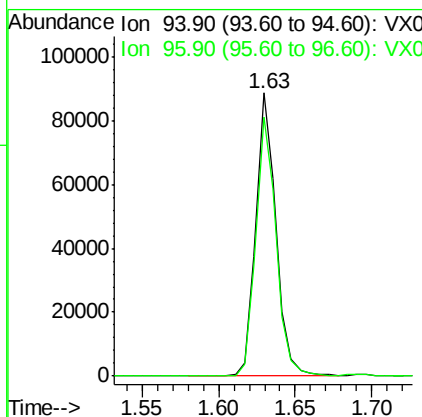
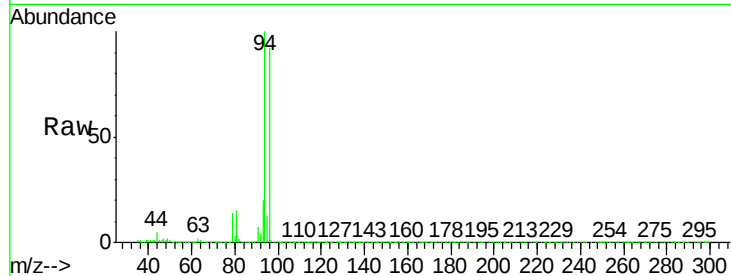
MSVOA_X

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VSTDCCC050

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#6

Chloroethane

Concen: 60.035 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011645.D

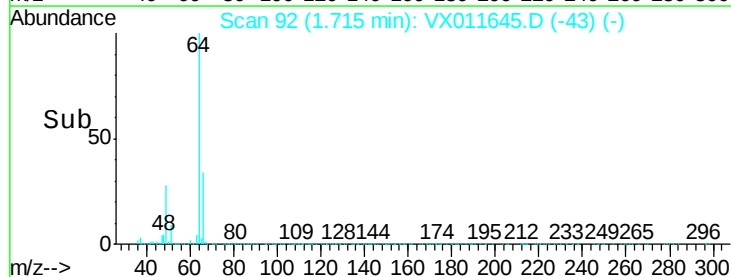
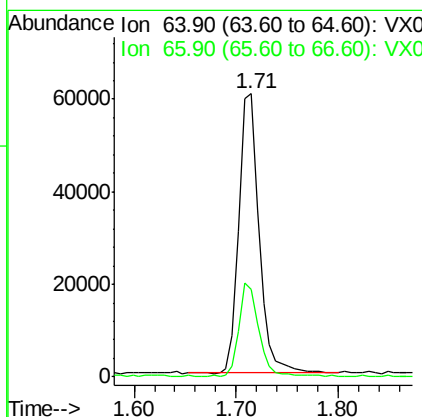
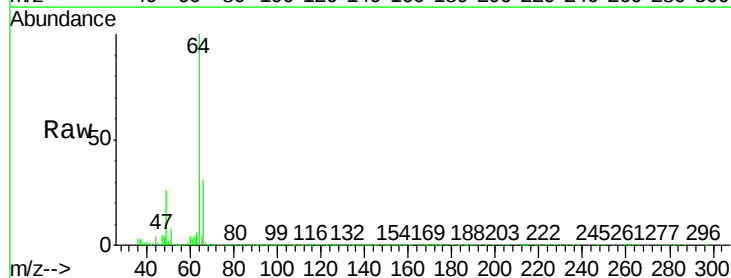
Acq: 19 Aug 2019 20:47

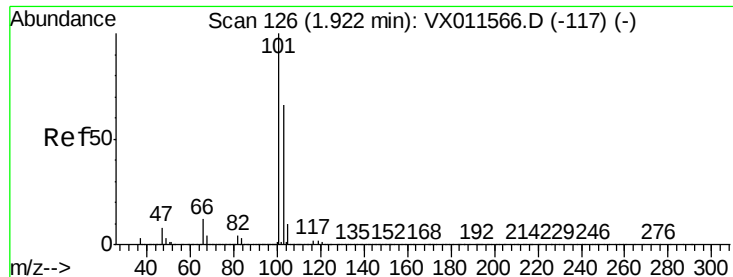
Tgt Ion: 64 Resp: 82253

Ion Ratio Lower Upper

64 100

66 31.1 25.3 37.9





#7

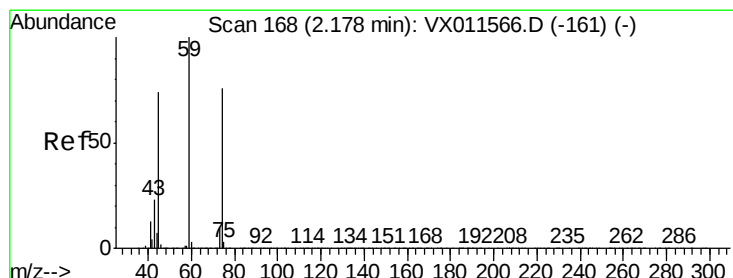
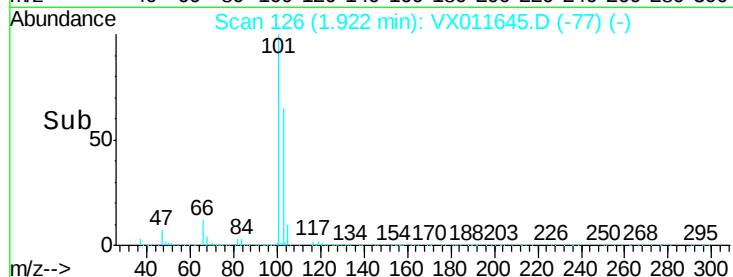
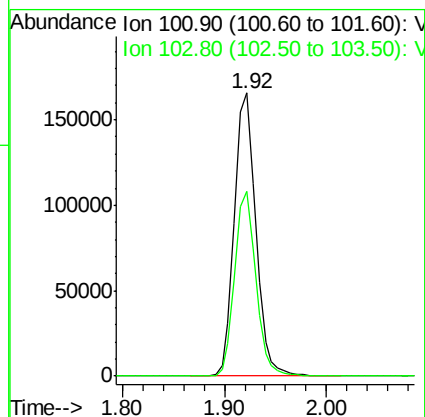
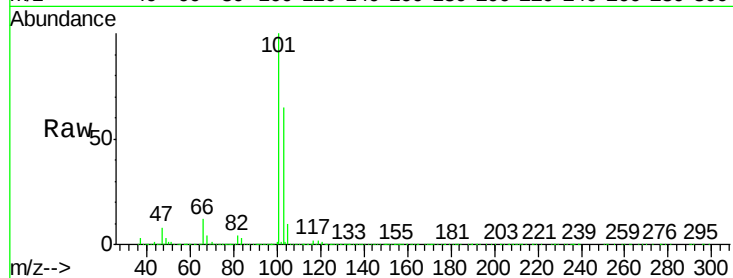
Trichlorofluoromethane
Concen: 59.931 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.9	79.3

Manual Integrations
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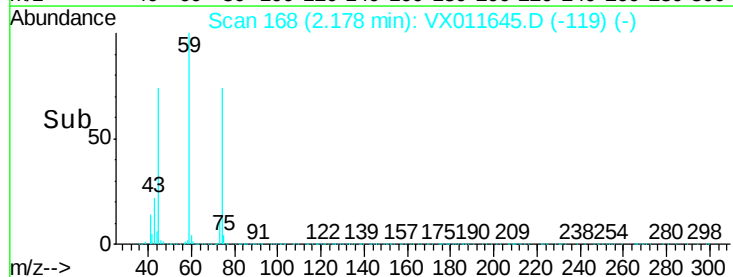
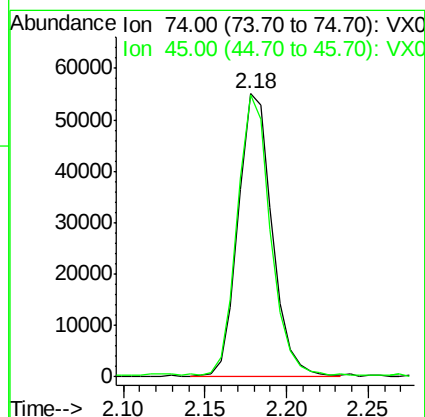
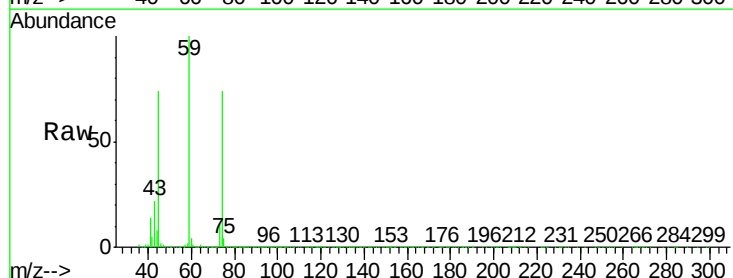
MMDadoda
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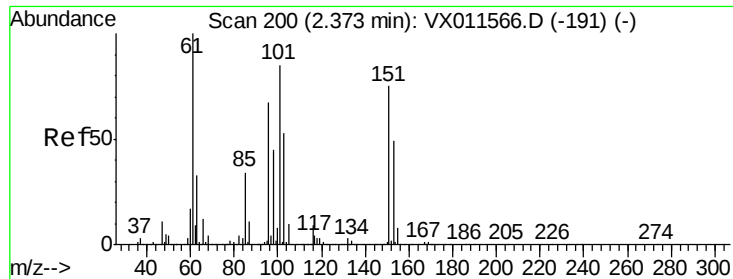


#8

Diethyl Ether
Concen: 57.904 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.963 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

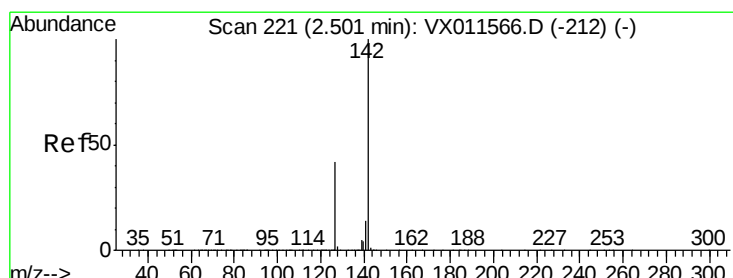
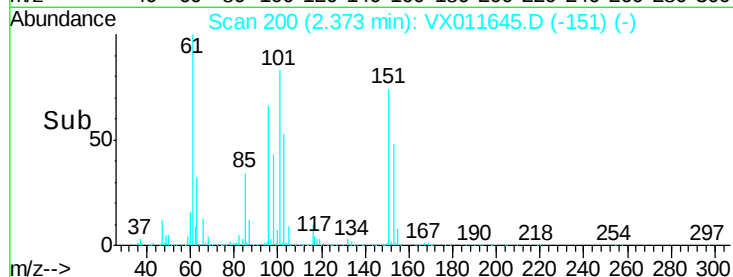
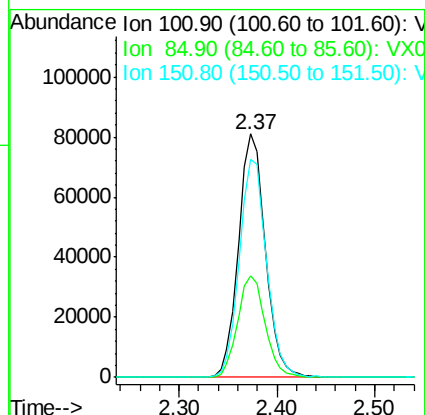
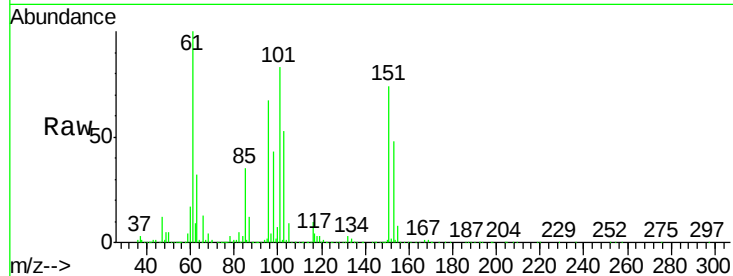
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	154989
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.0	49.4
151	90.8	73.3	109.9

Manual Integrations
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#10

Methyl Iodide

Concen: 54.581 ug/l

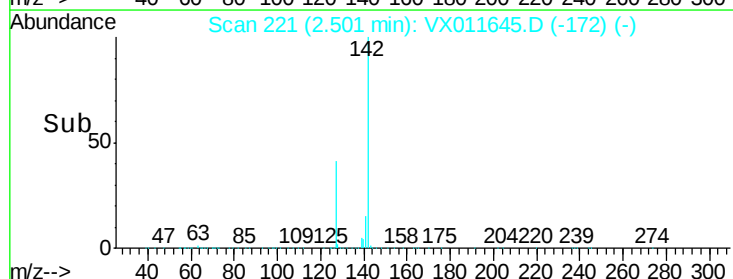
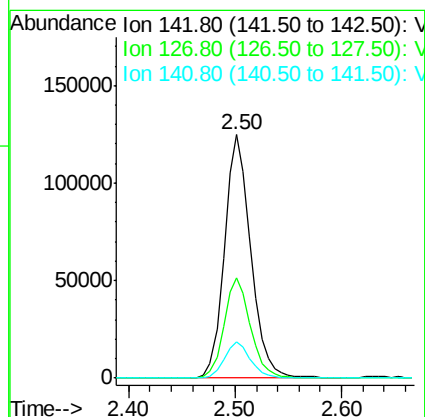
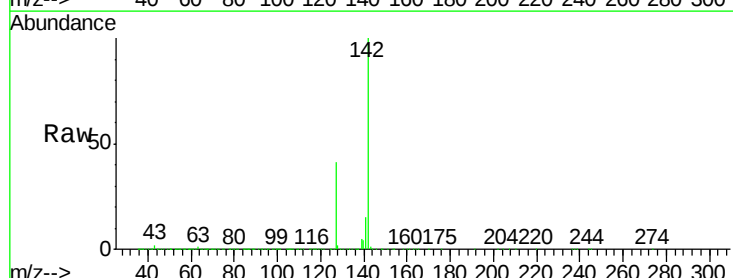
RT: 2.50 min Scan# 221

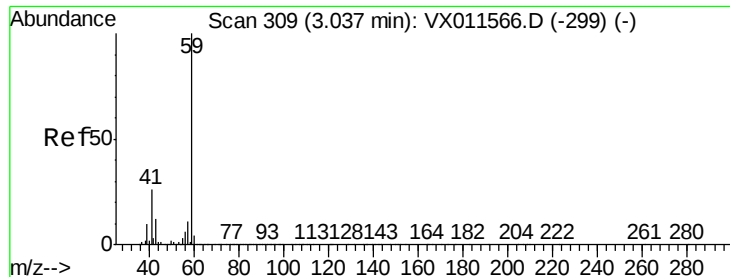
Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion:	142	Resp:	215334
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.8	49.2
141	14.8	11.4	17.2





#11

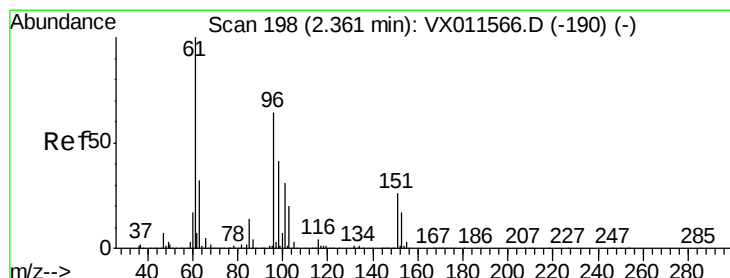
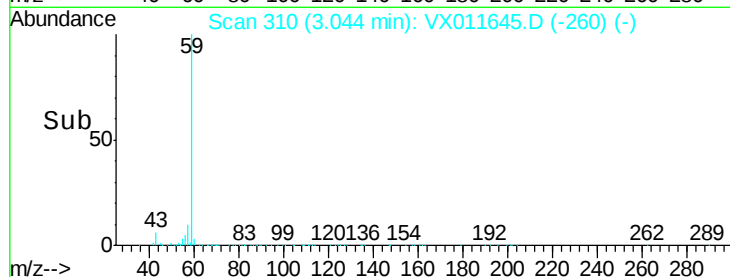
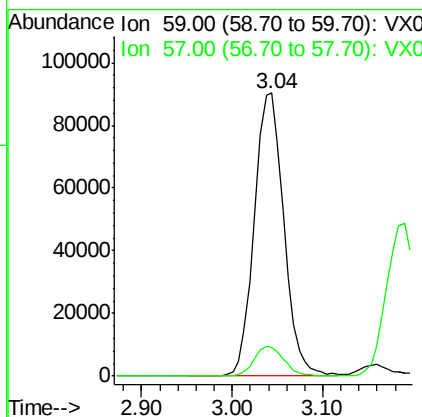
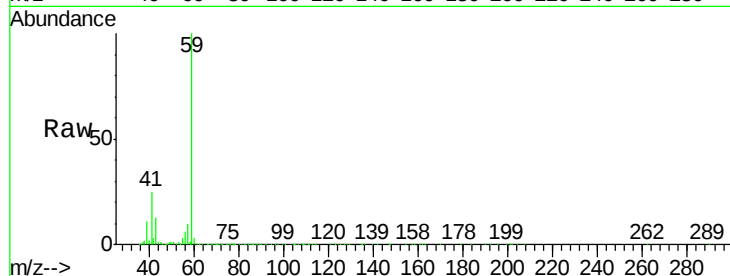
Tert butyl alcohol
Concen: 285.514 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.7	13.1

Manual Integrations
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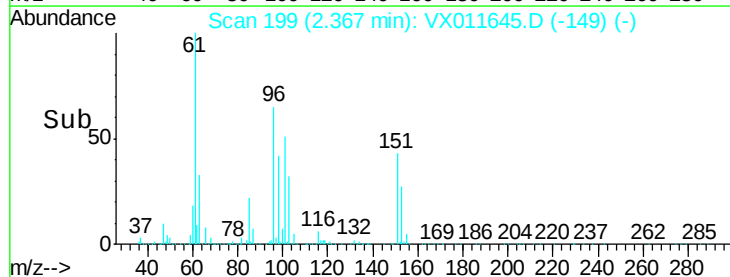
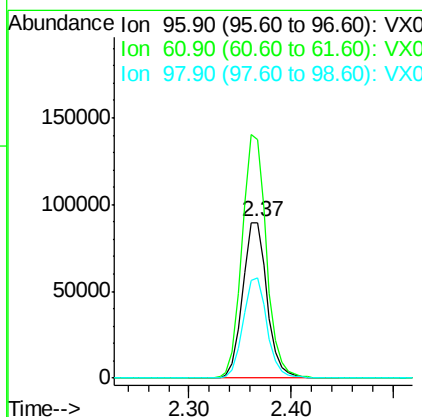
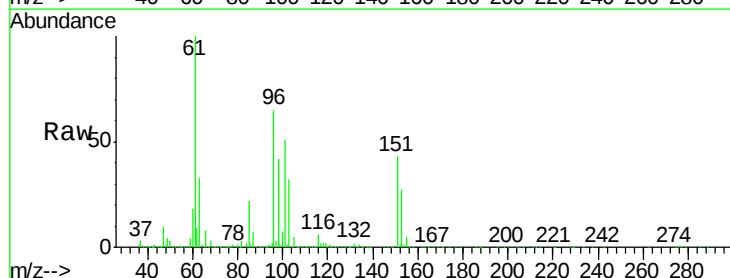
MMDadoda
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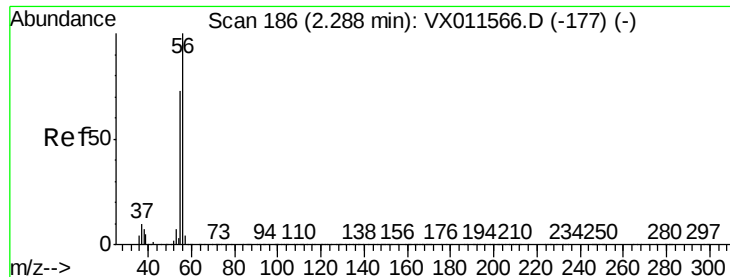


#12

1,1-Dichloroethene
Concen: 55.279 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	125.0	187.4
98	64.6	51.5	77.3





#13

Acrolein

Concen: 294.453 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65203

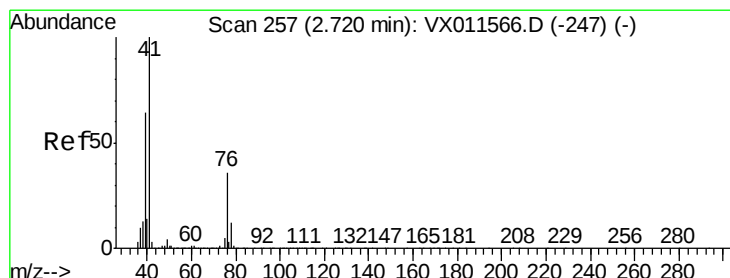
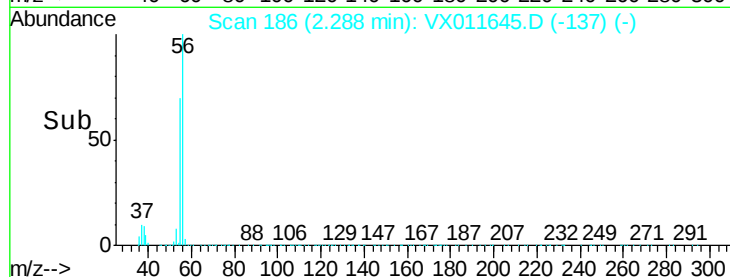
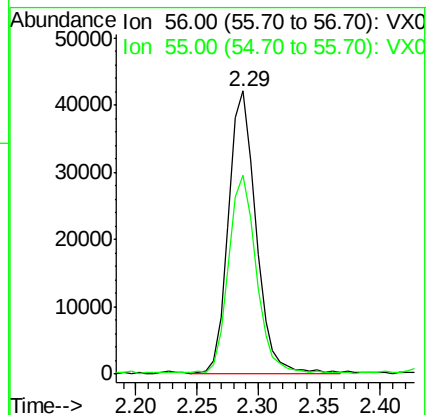
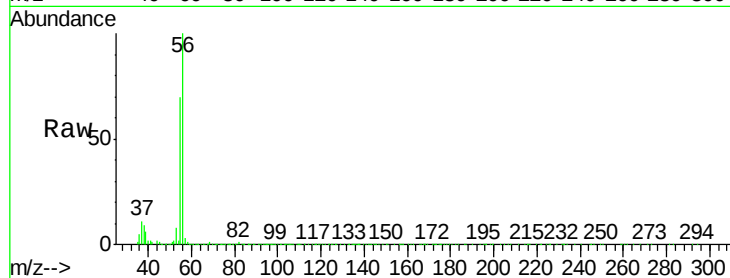
Ion Ratio Lower Upper

56 100

55 70.9 55.5 83.3

Manual Integrations
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#14

Allyl chloride

Concen: 57.714 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

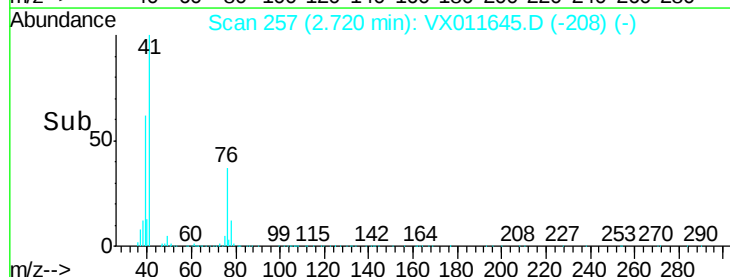
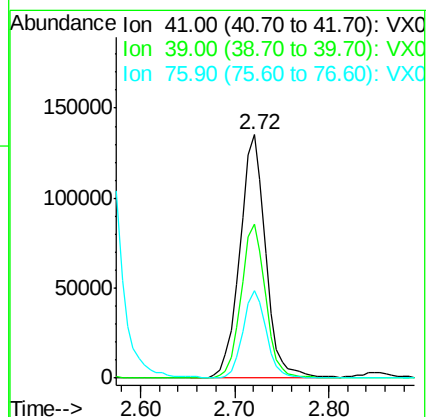
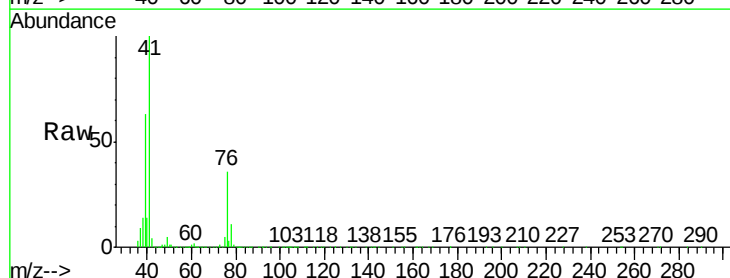
Tgt Ion: 41 Resp: 256955

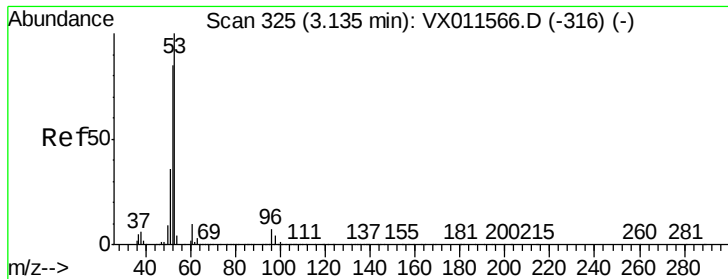
Ion Ratio Lower Upper

41 100

39 60.1 47.5 71.3

76 32.6 26.3 39.5





#15

Acrylonitrile

Concen: 293.651 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

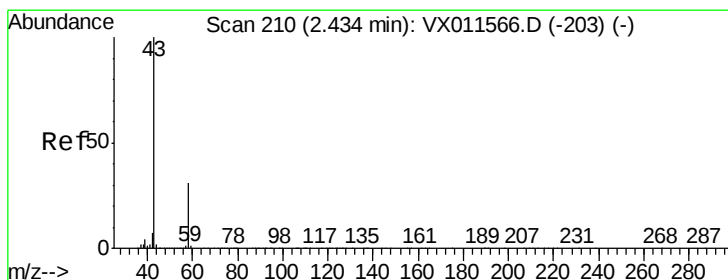
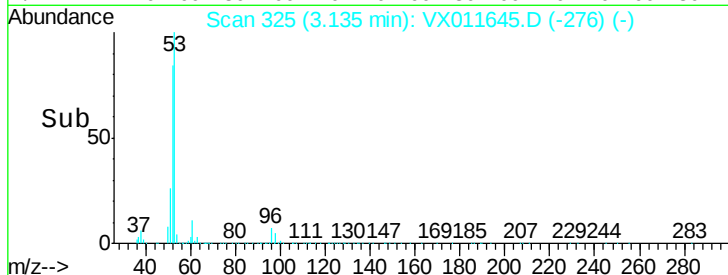
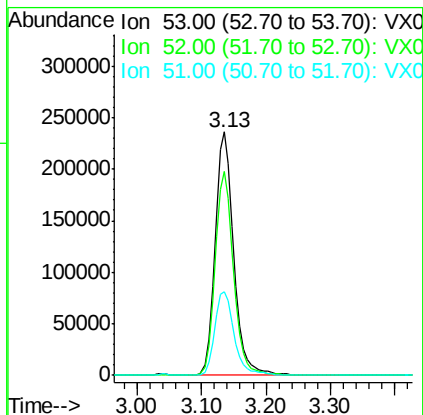
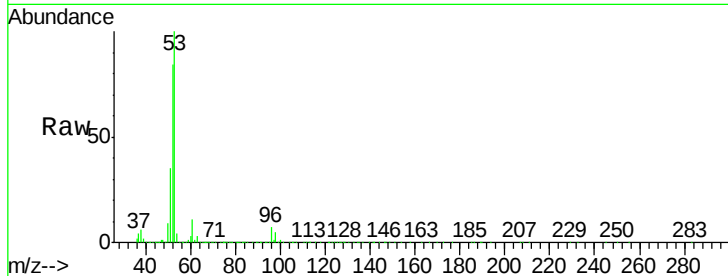
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	479957
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	35.9	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 275.674 ug/l

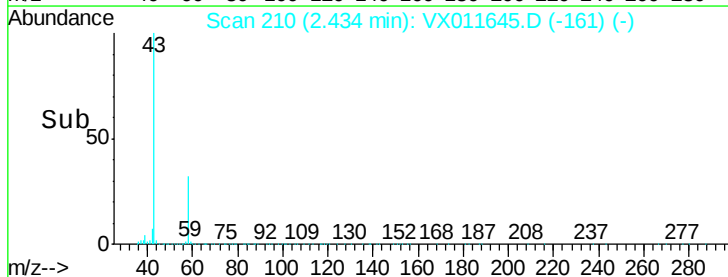
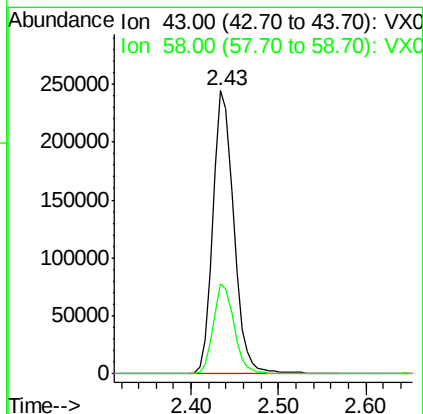
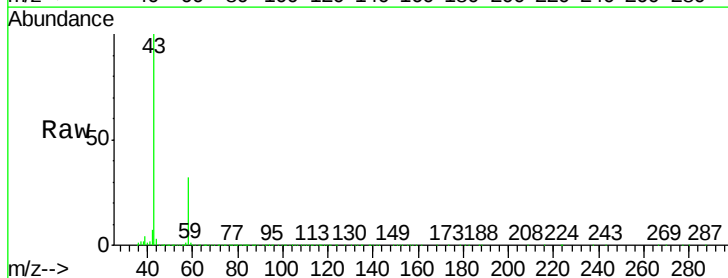
RT: 2.43 min Scan# 210

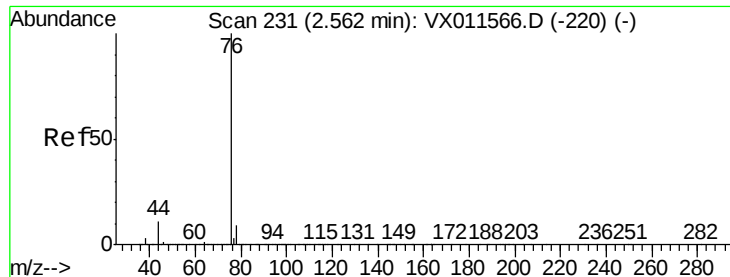
Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion:	43	Resp:	403498
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.2	37.8





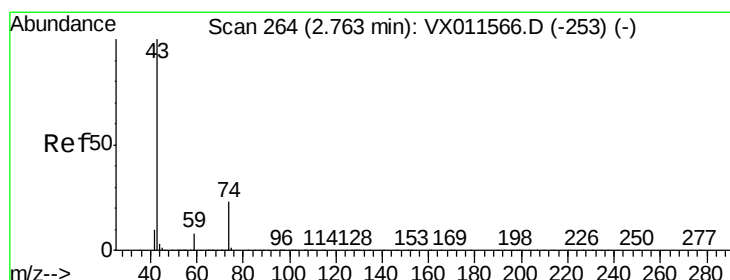
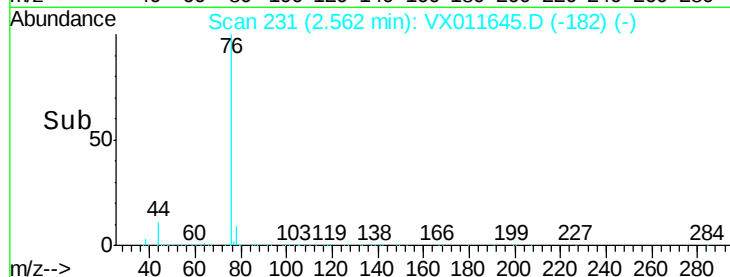
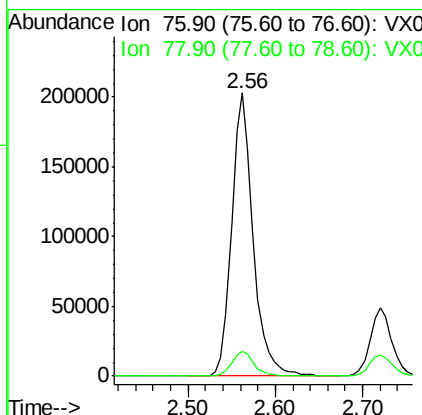
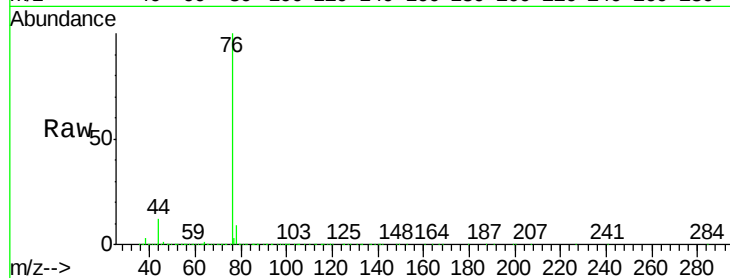
#17
Carbon Disulfide
Concen: 55.150 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

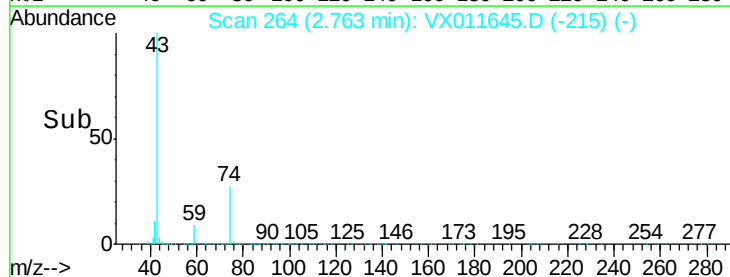
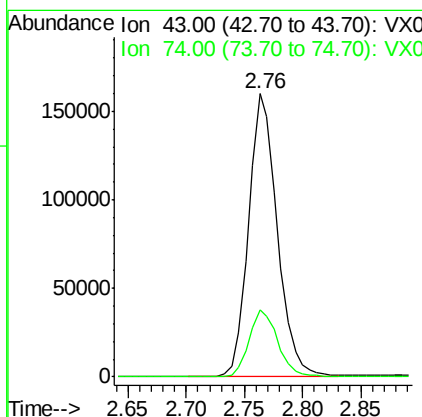
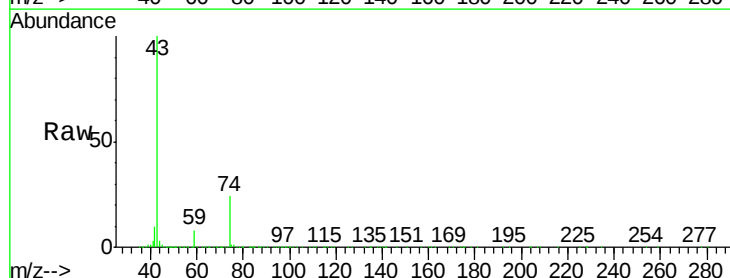
Manual Integrations
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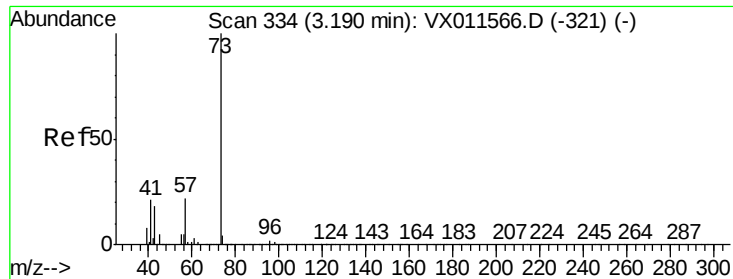
MMDadoda
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#18
Methyl Acetate
Concen: 60.241 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.7	29.5





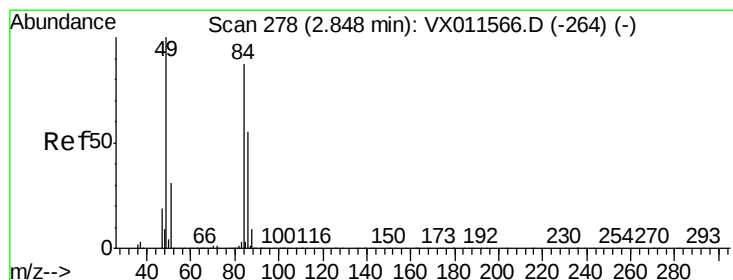
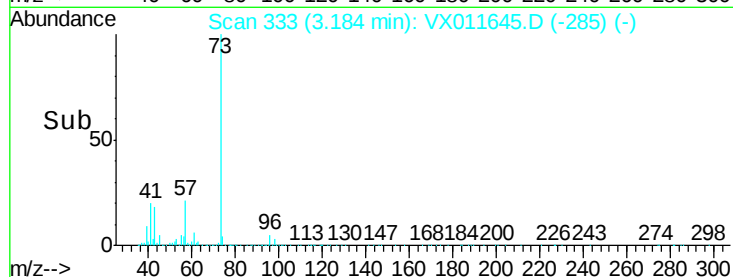
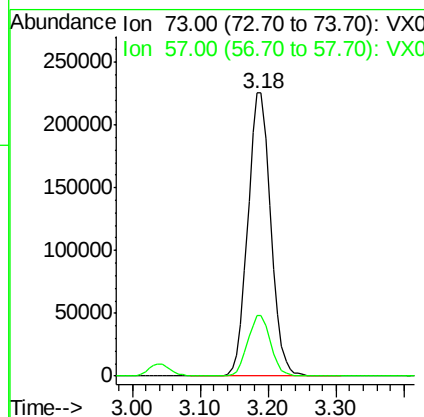
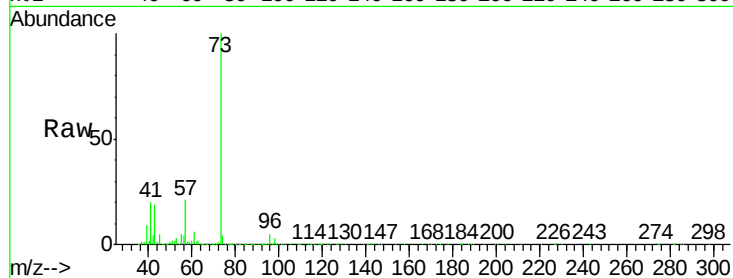
#19
Methvl tert-butvl Ether
Concen: 60.609 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.2	25.8

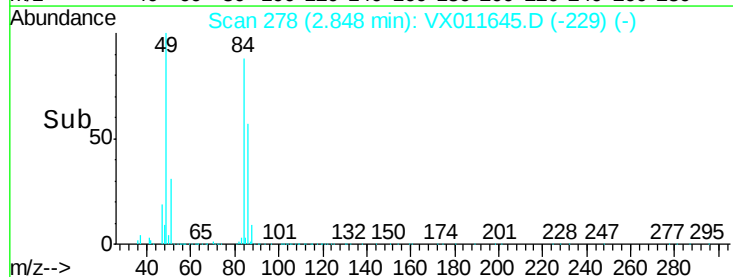
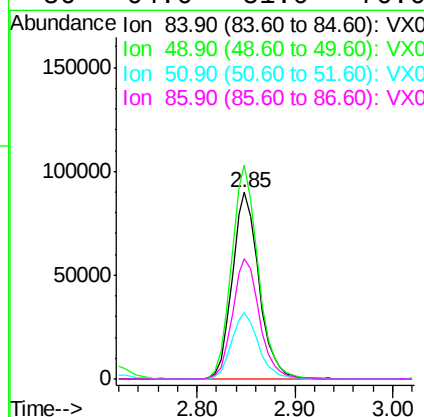
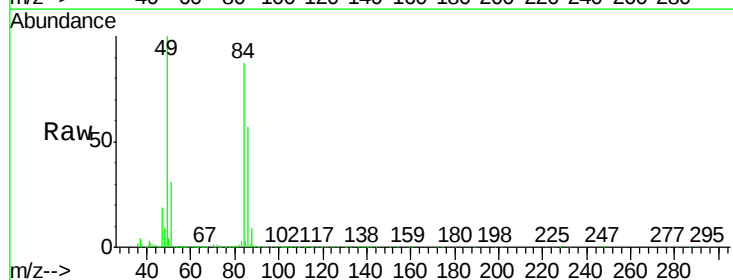
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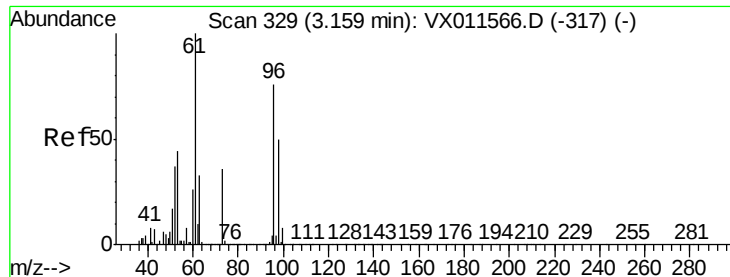
MMDadoda
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#20
Methylene Chloride
Concen: 55.417 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.2	92.4	138.6
51	35.8	28.5	42.7
86	64.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 56.948 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

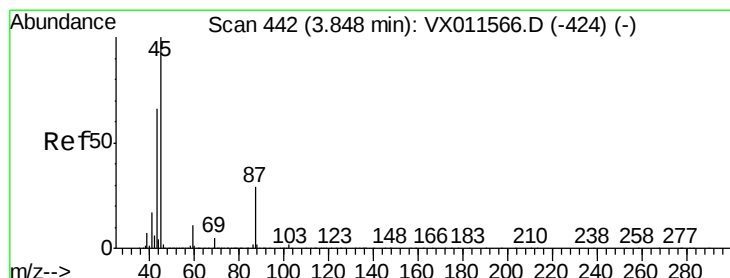
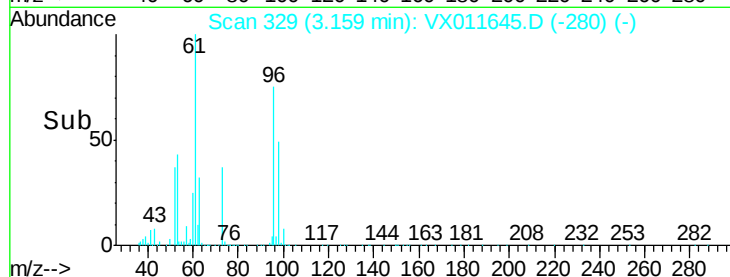
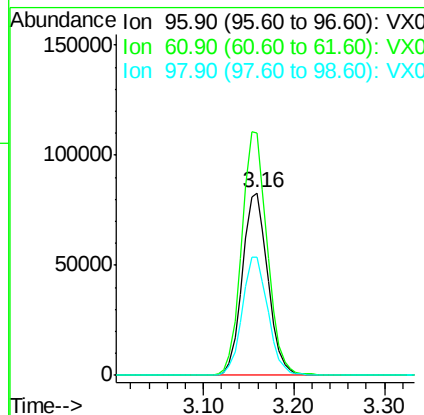
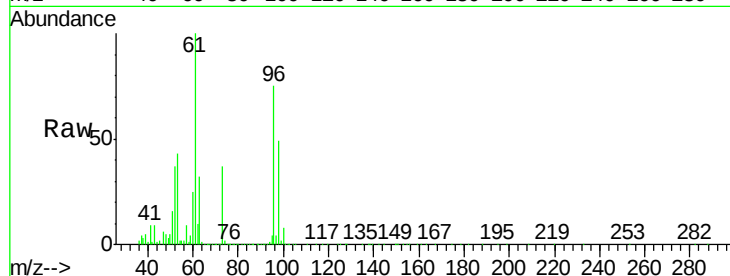
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	161519
Ion	Ratio	Lower	Upper
96	100		
61	132.5	105.5	158.3
98	64.6	52.6	78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 59.291 ug/l

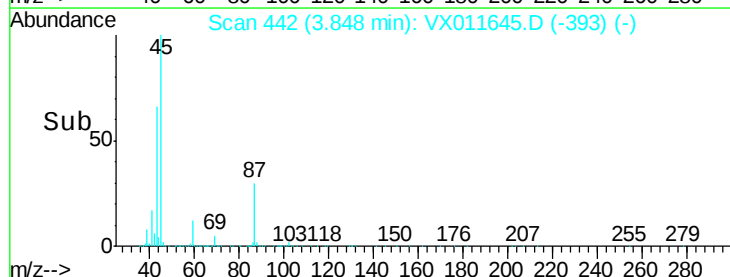
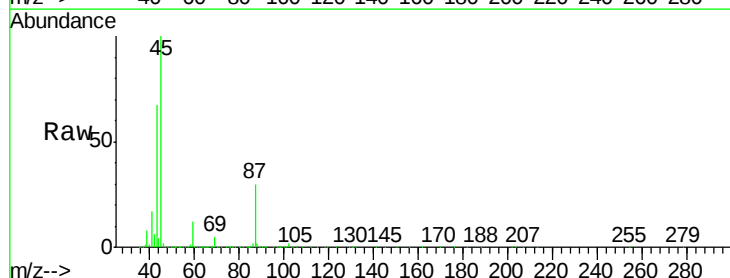
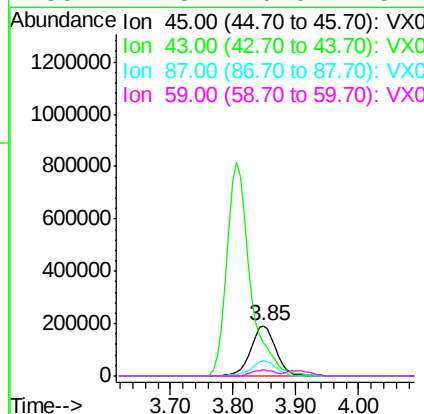
RT: 3.85 min Scan# 442

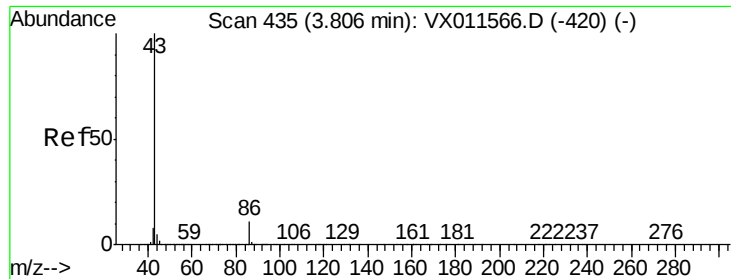
Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion:	45	Resp:	525712
Ion	Ratio	Lower	Upper
45	100		
43	66.4	52.7	79.1
87	30.4	23.5	35.3
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 299.853 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2105325

Ion Ratio Lower Upper

43 100

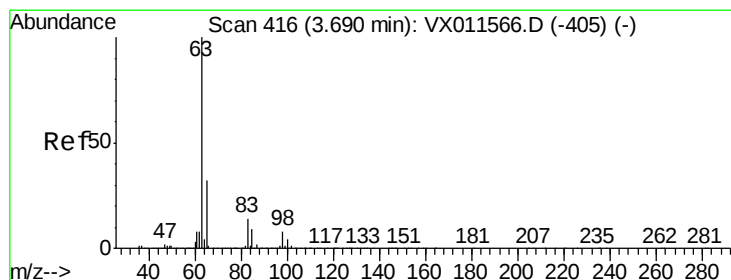
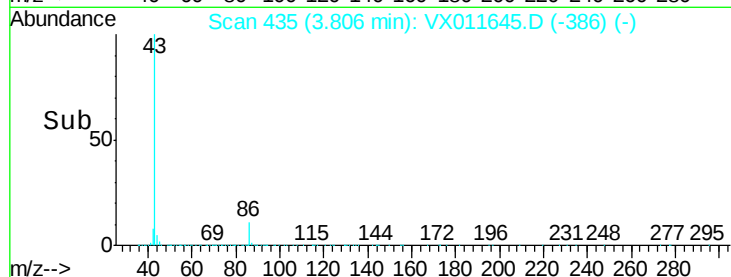
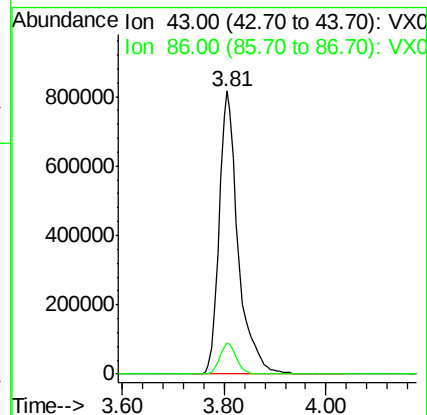
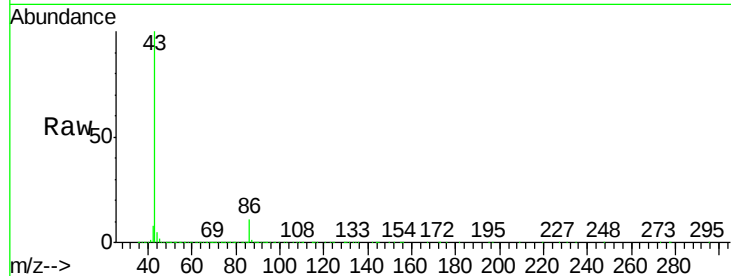
86 10.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 57.914 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

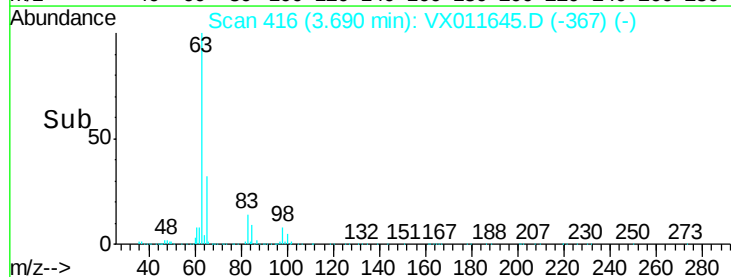
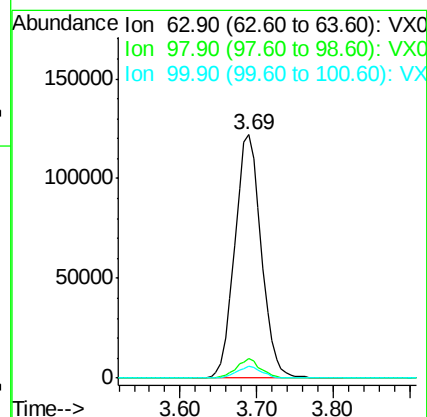
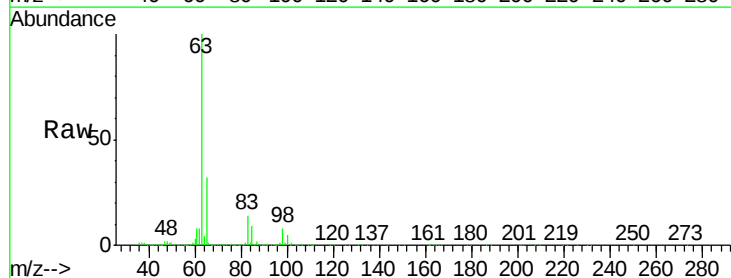
Tgt Ion: 63 Resp: 290328

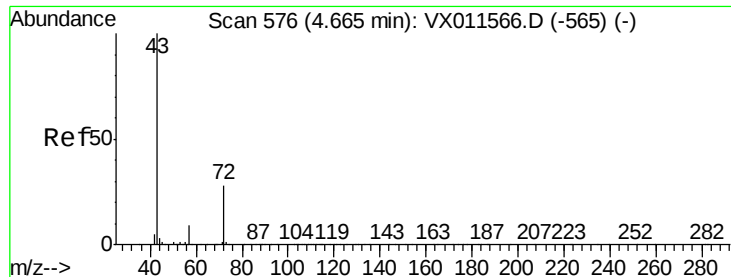
Ion Ratio Lower Upper

63 100

98 7.8 3.7 11.1

100 4.7 2.1 6.3





#25

2-Butanone

Concen: 289.768 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tot Ion: 43 Resp: 665842

Ion Ratio Lower Upper

43 100

72 26.8 22.2 33.4

Instrument :

MSVOA_X

ClientSampleId :

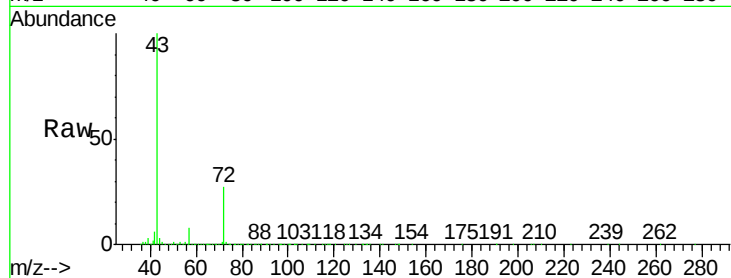
VSTDCCC050

Manual Integrations

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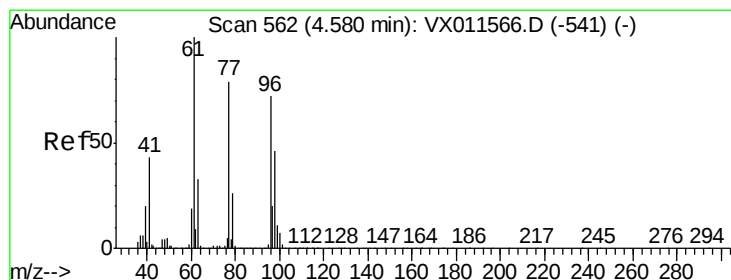
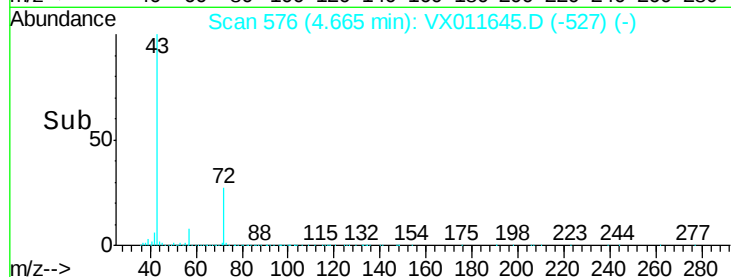
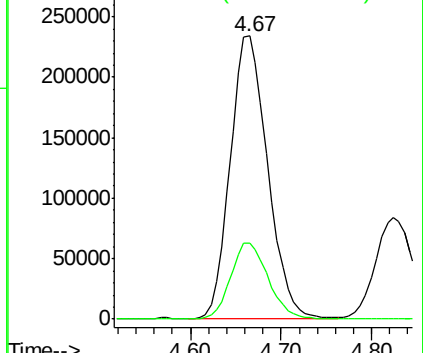
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 55.224 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011645.D

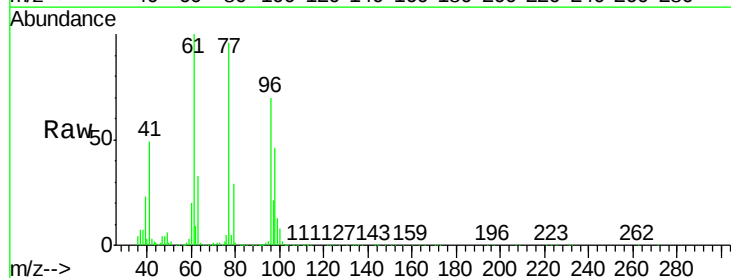
Acq: 19 Aug 2019 20:47

Tgt Ion: 77 Resp: 208363

Ion Ratio Lower Upper

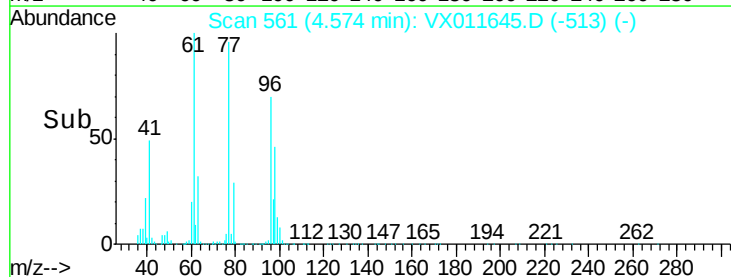
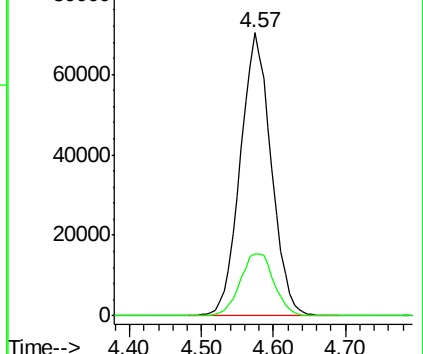
77 100

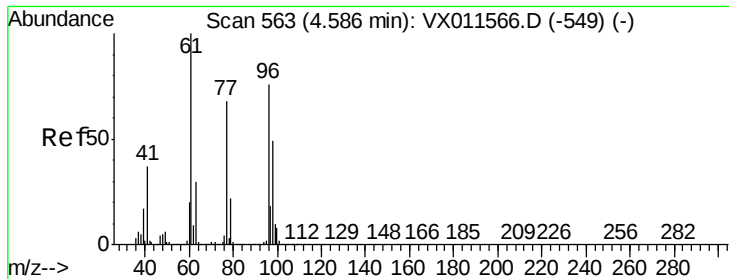
97 24.3 12.4 37.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

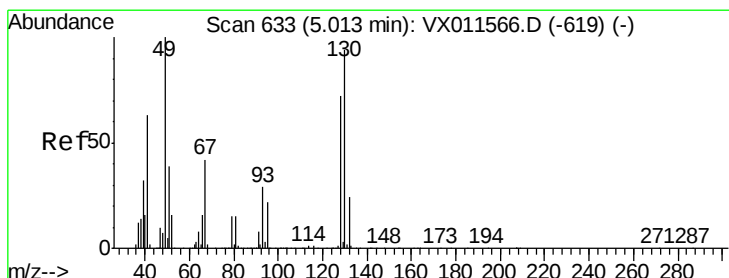
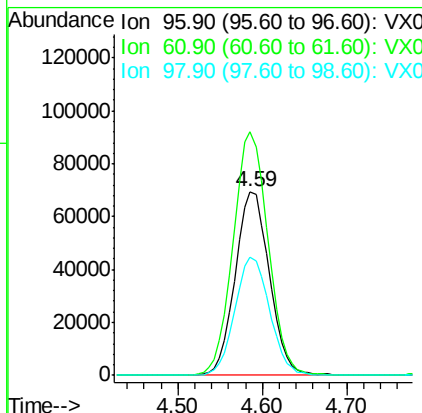
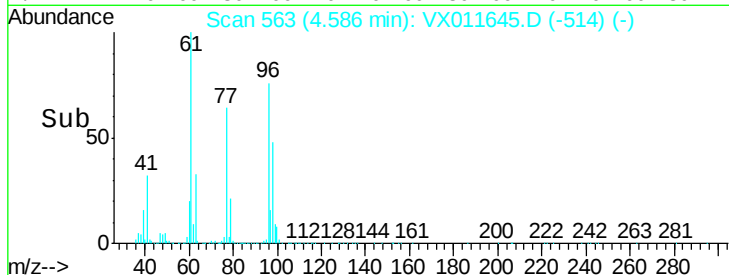
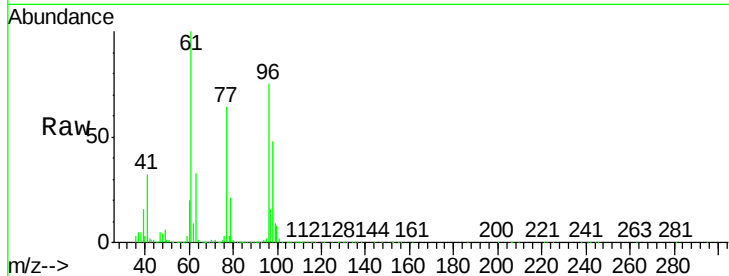
cis-1,2-Dichloroethene
Concen: 57.569 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	272.6
98	65.7	0.0	129.4

Manual Integrations
APPROVED

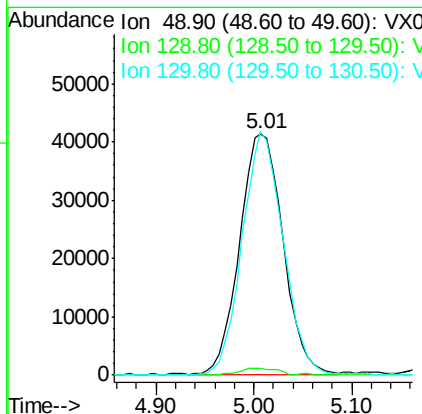
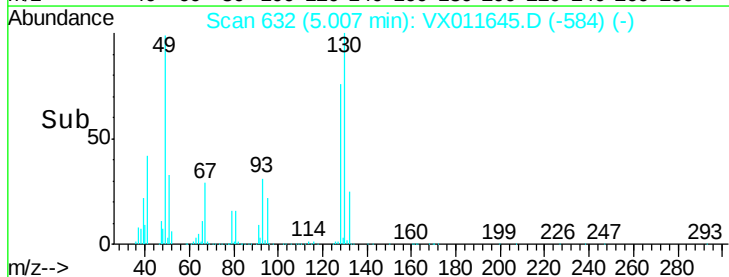
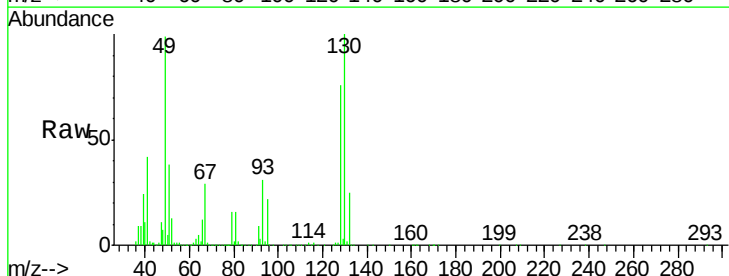
MMDadoda
8/20/2019 3:40:45 PM

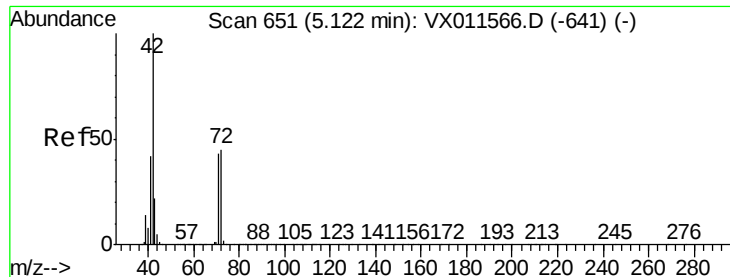


#28

Bromochloromethane
Concen: 58.075 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	95.7	76.6	115.0





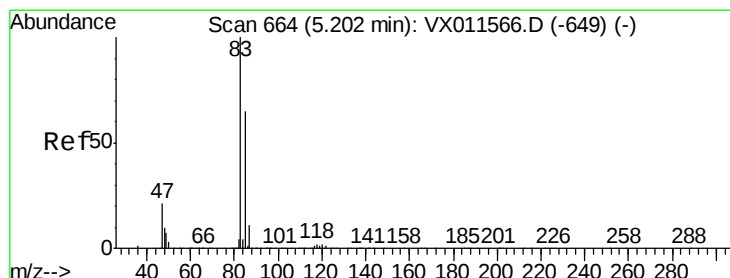
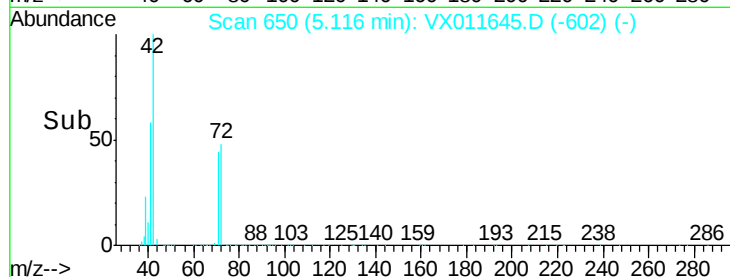
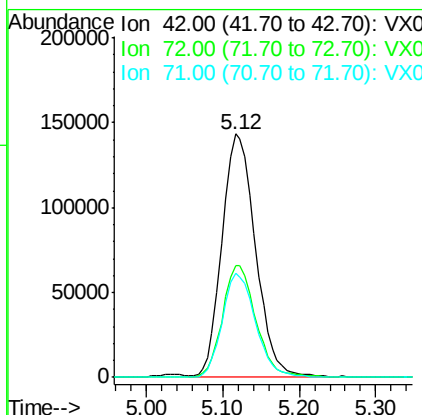
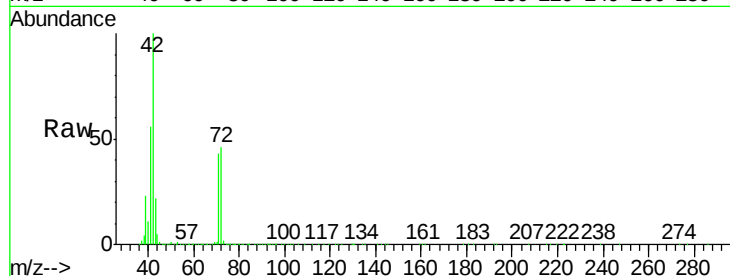
#29
Tetrahydrofuran
Concen: 285.564 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	430437
Ion Ratio		Lower	Upper
42	100		
72	46.1	36.1	54.1
71	42.7	33.8	50.8

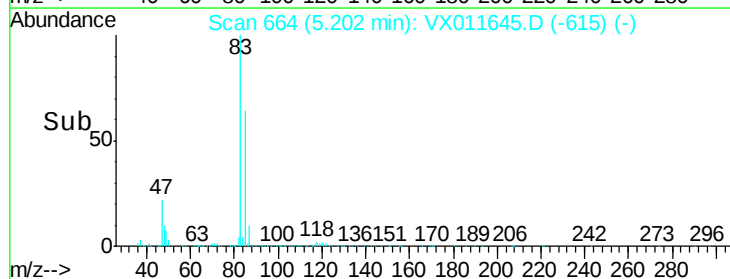
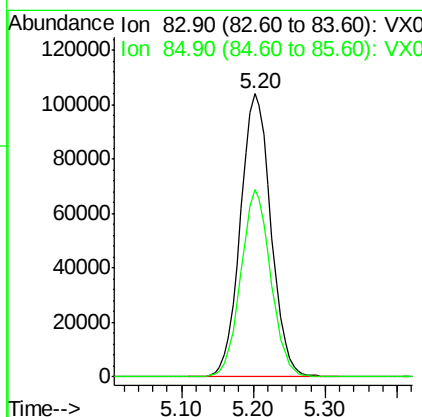
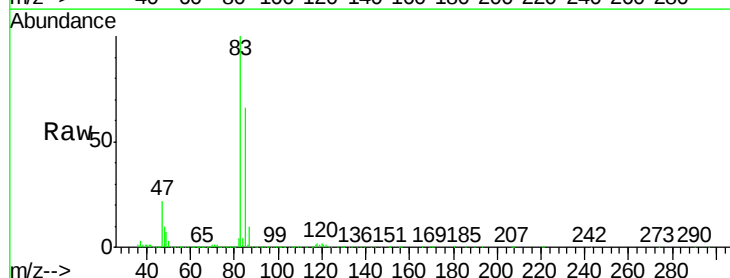
Manual Integrations
APPROVED

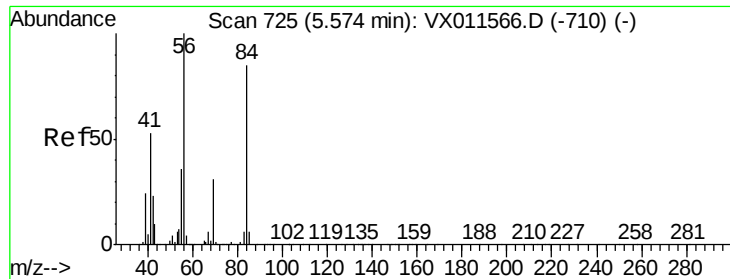
MMDadoda
8/20/2019 3:40:45 PM



#30
Chloroform
Concen: 57.743 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion:	83	Resp:	305491
Ion Ratio		Lower	Upper
83	100		
85	66.3	51.9	77.9





#31

Cyclohexane

Concen: 55.985 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

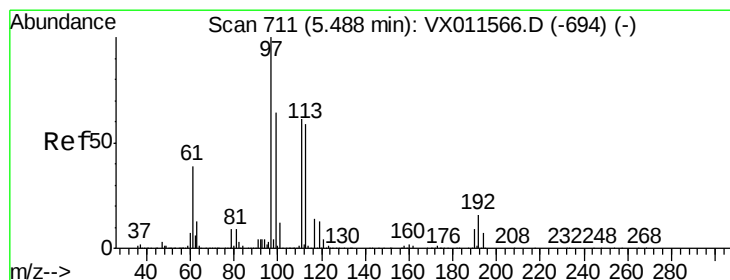
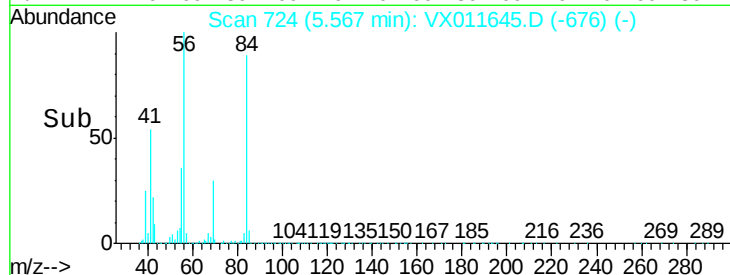
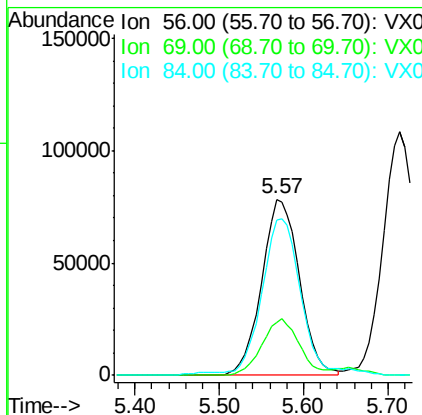
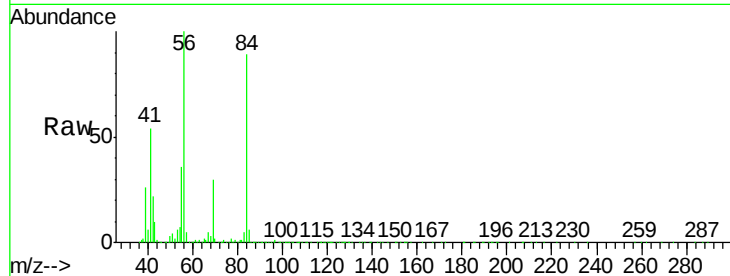
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.8	37.2
84	87.7	67.9	101.9

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 60.196 ug/l

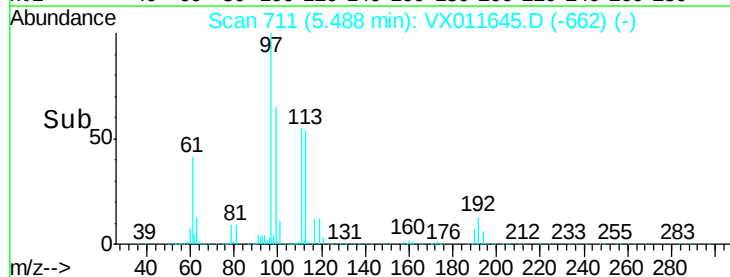
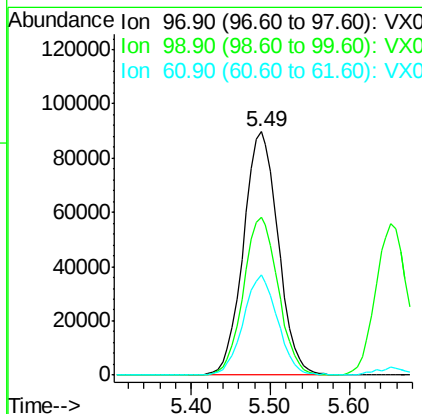
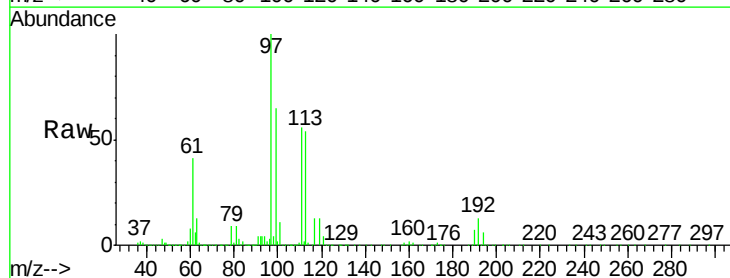
RT: 5.49 min Scan# 711

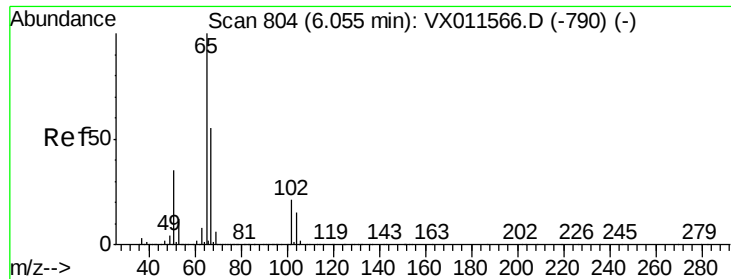
Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	40.3	31.4	47.2





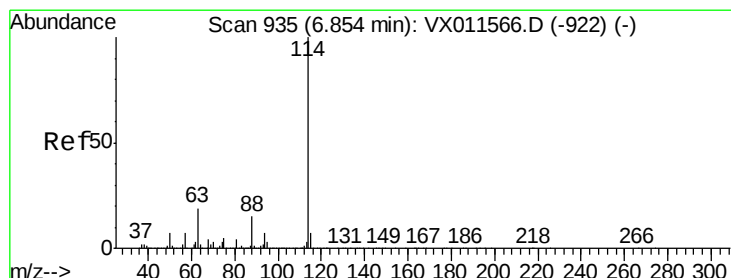
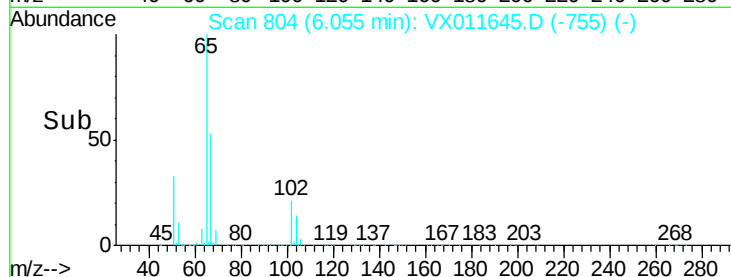
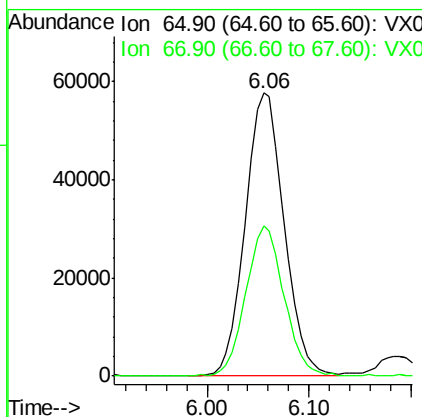
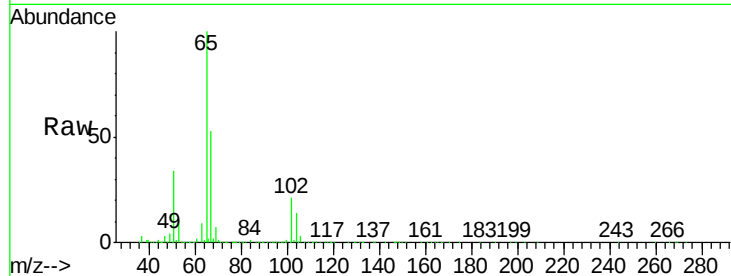
#33
 1,2-Dichloroethane-d4
 Concen: 52.316 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152288		
67	52.1	0.0	107.6	

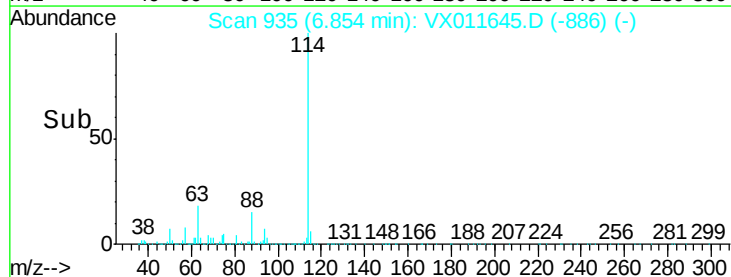
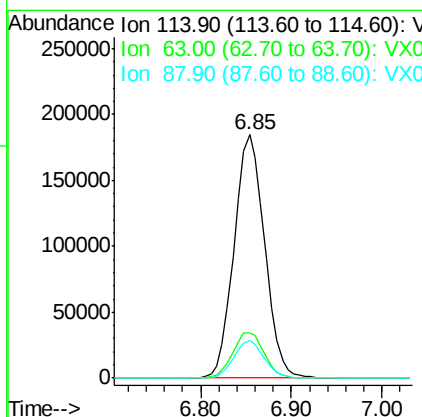
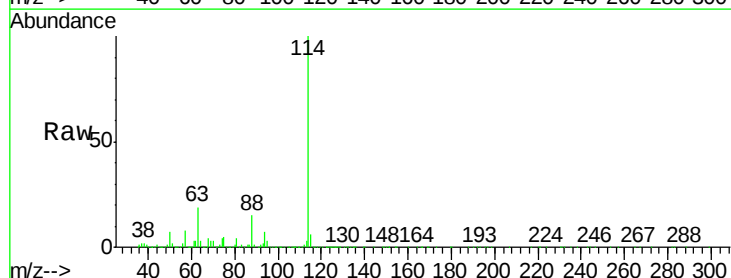
Manual Integrations
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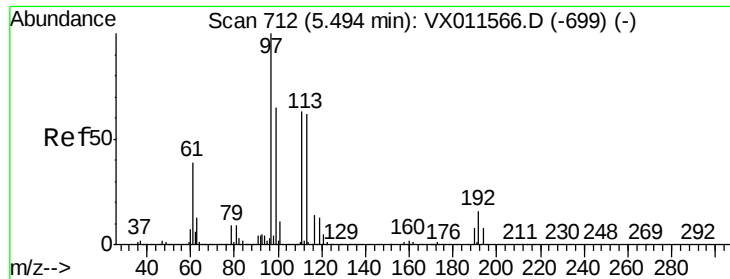
MMDadoda
 8/20/2019 3:40:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	430311		
63	18.5	0.0	37.8	
88	15.3	0.0	30.2	





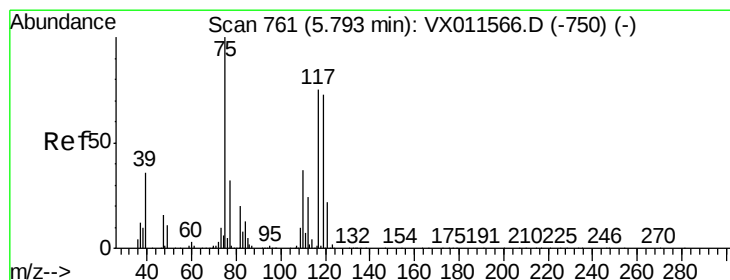
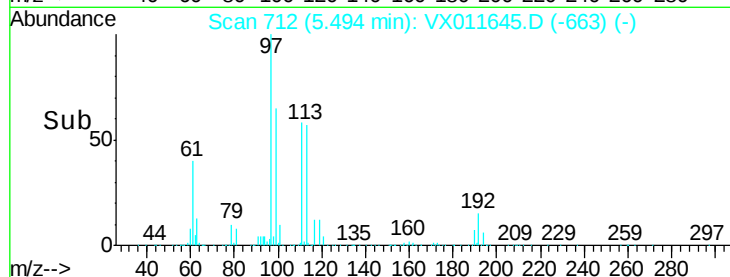
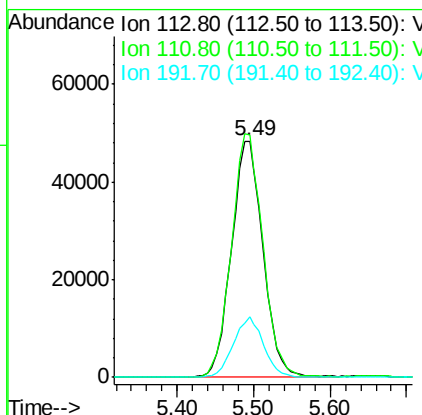
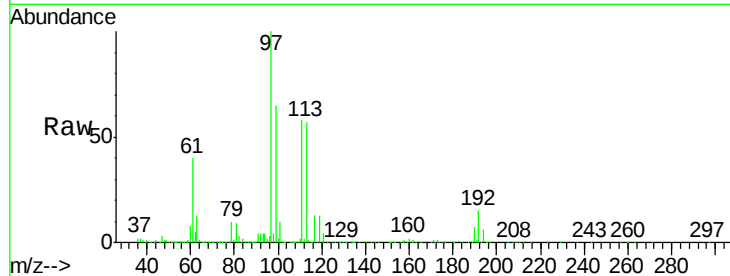
#35
Dibromofluoromethane
Concen: 49.080 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138137		
111	102.7	81.1	121.7	
192	24.6	20.8	31.2	

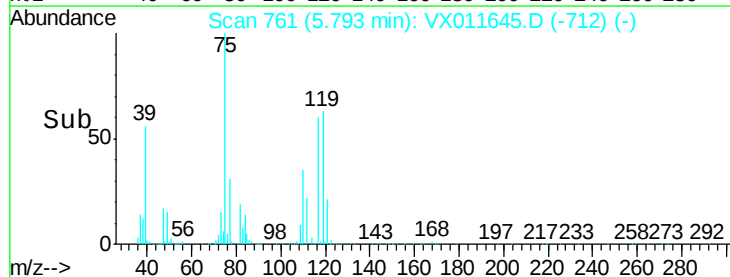
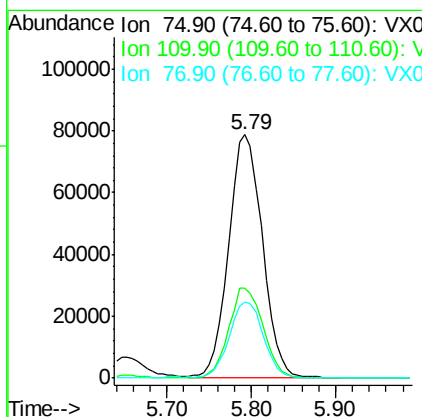
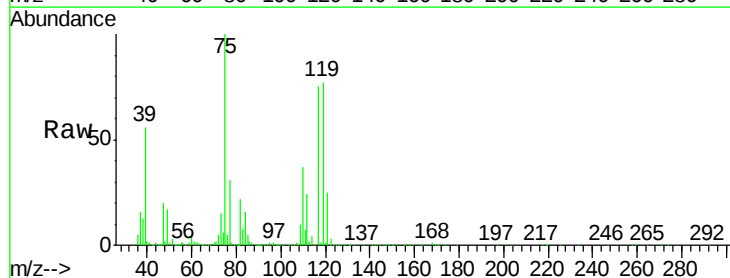
Manual Integrations
APPROVED

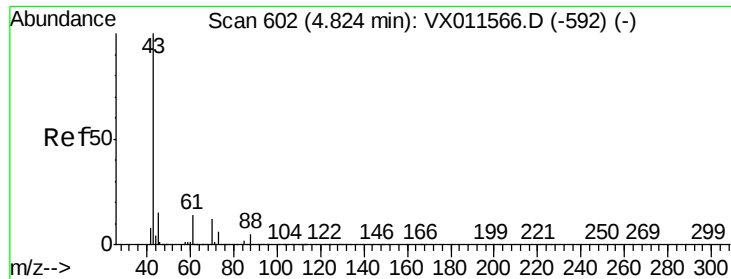
MMDadoda
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#36
1,1-Dichloropropene
Concen: 58.135 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213885		
110	37.4	19.4	58.1	
77	31.7	25.1	37.7	





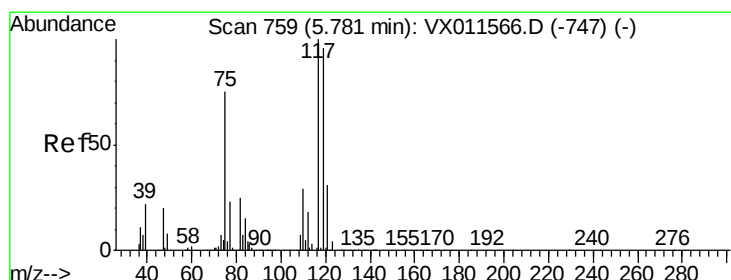
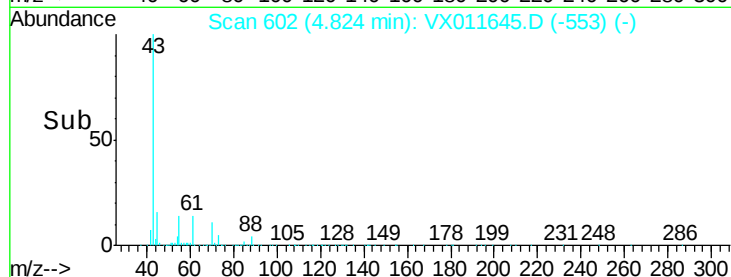
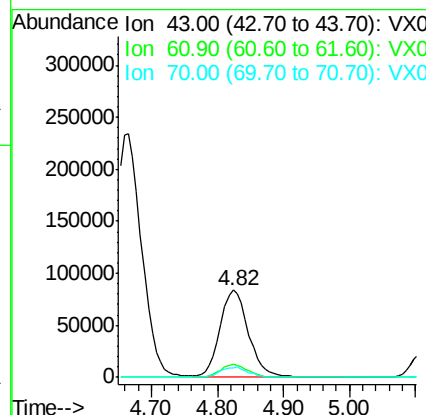
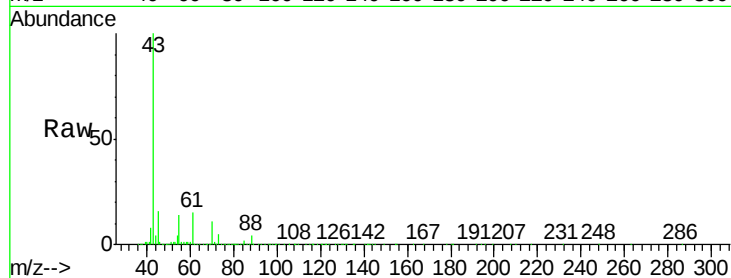
#37
Ethyl Acetate
Concen: 59.186 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.4	17.0
70	11.4	9.0	13.6

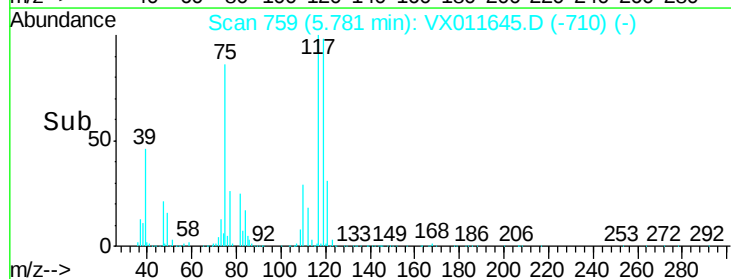
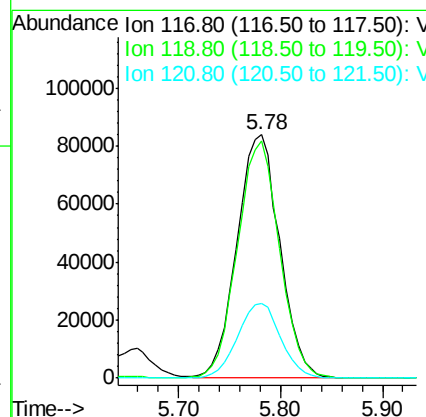
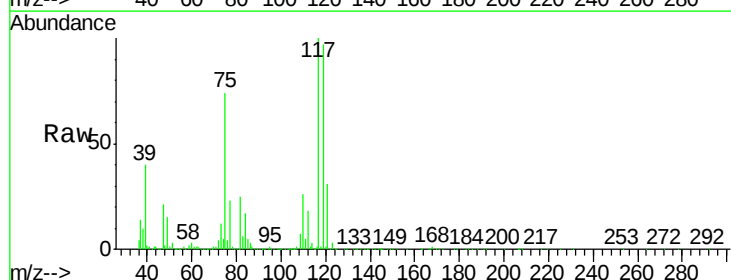
Manual Integrations
APPROVED

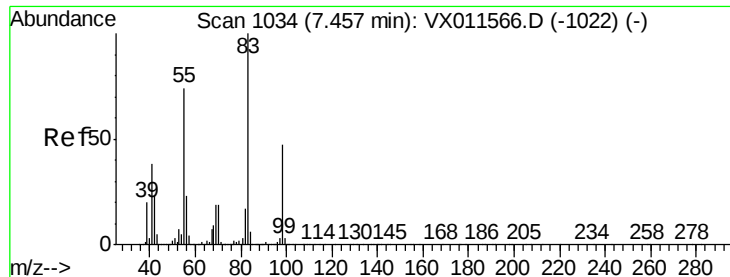
MMDadoda
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#38
Carbon Tetrachloride
Concen: 60.042 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.9	115.3
121	30.8	24.8	37.2





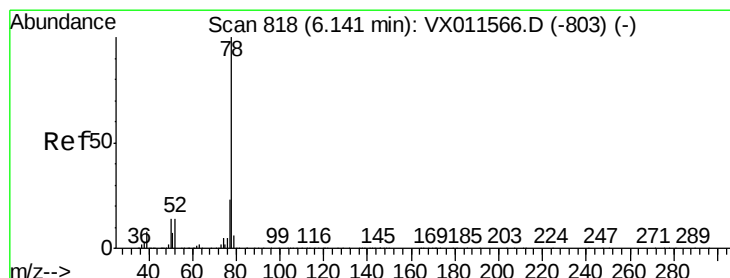
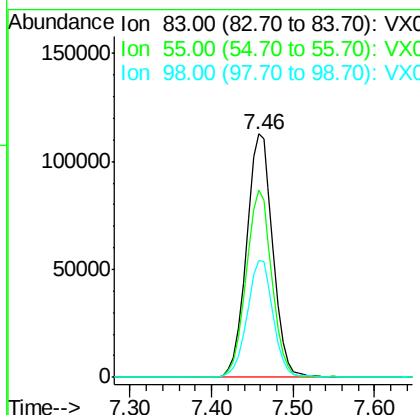
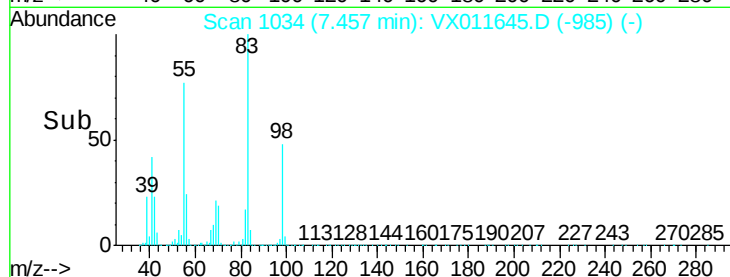
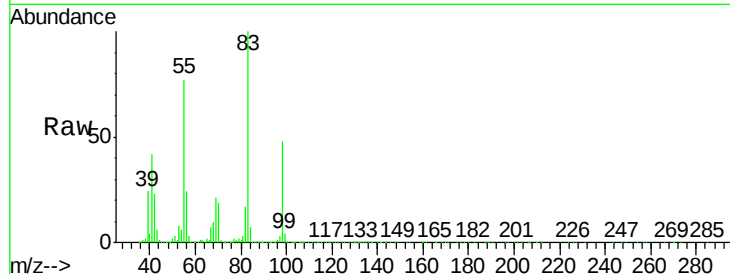
#39
Methvlcvclohexane
Concen: 55.689 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	58.8	88.2
98	47.7	37.8	56.6

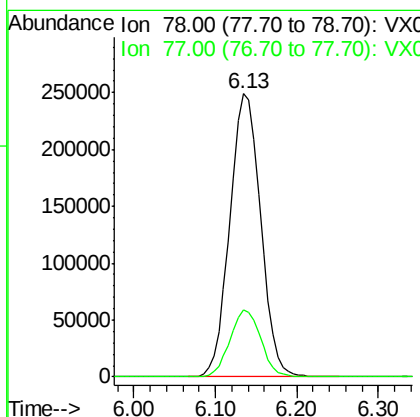
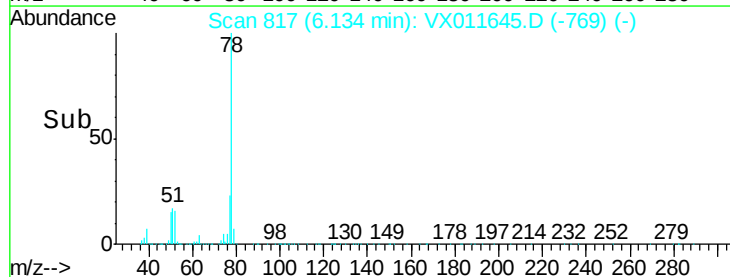
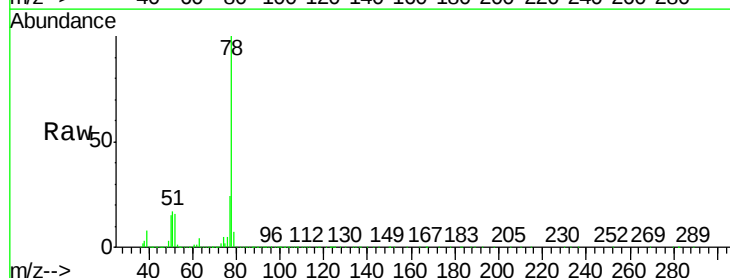
Manual Integrations
APPROVED

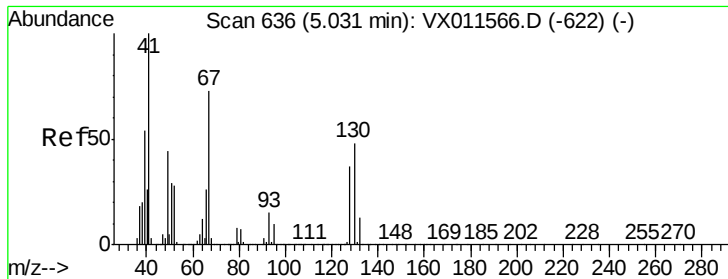
MMDadoda
8/20/2019 3:40:45 PM



#40
Benzene
Concen: 56.794 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





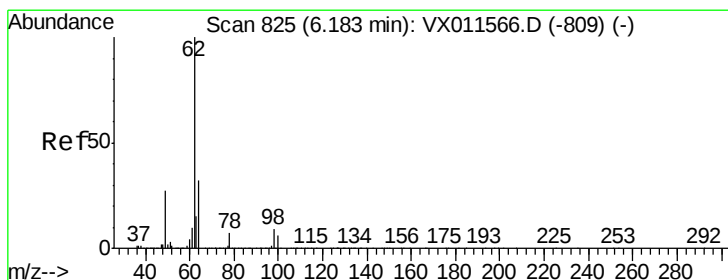
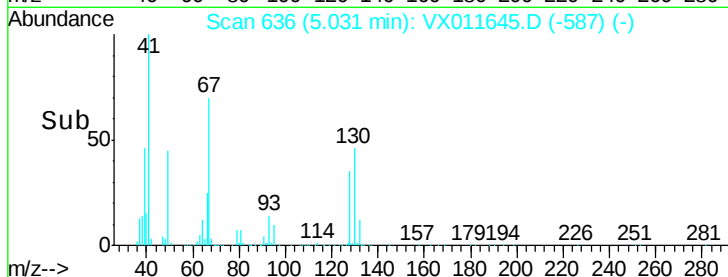
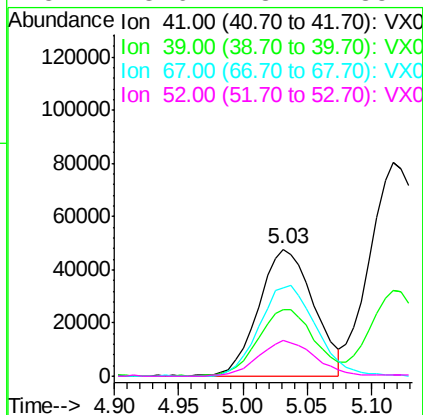
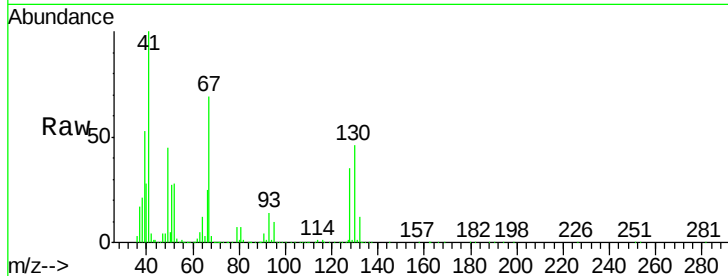
#41
Methacrylonitrile
Concen: 60.348 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	43.5	65.3	
67	73.3	59.4	89.2	
52	28.6	23.4	35.2	

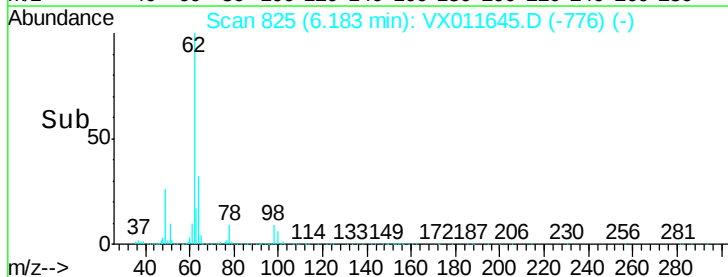
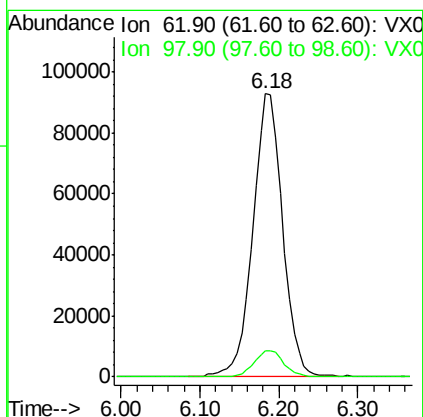
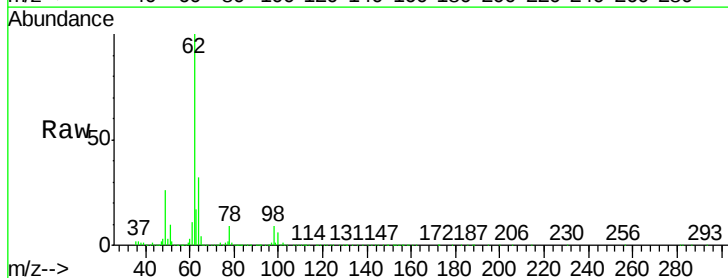
Manual Integrations
APPROVED

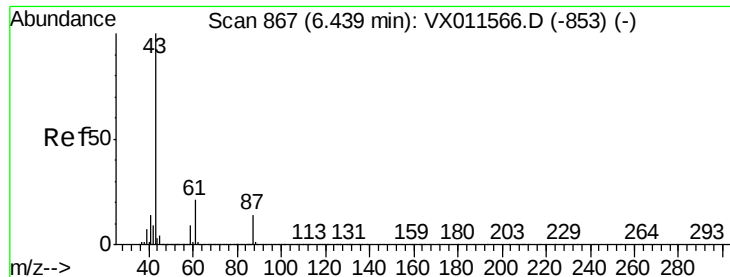
MMDadoda
8/20/2019 3:40:45 PM



#42
1,2-Dichloroethane
Concen: 61.615 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	19.4	





#43

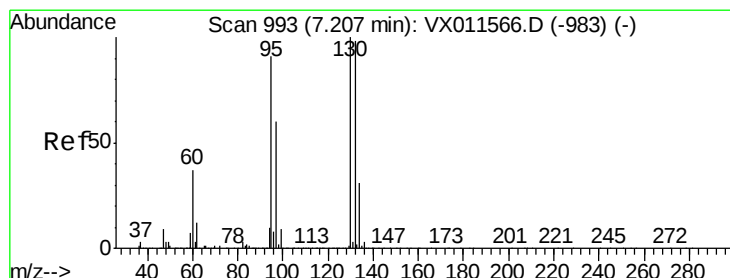
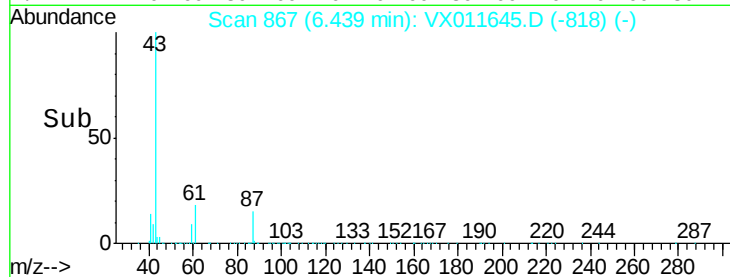
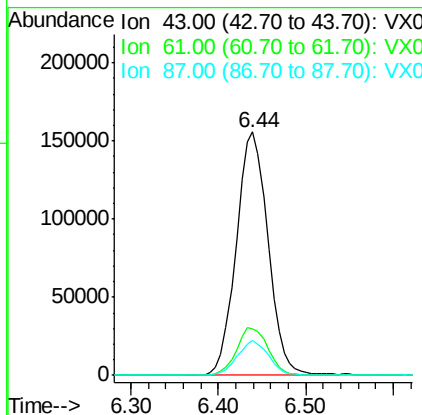
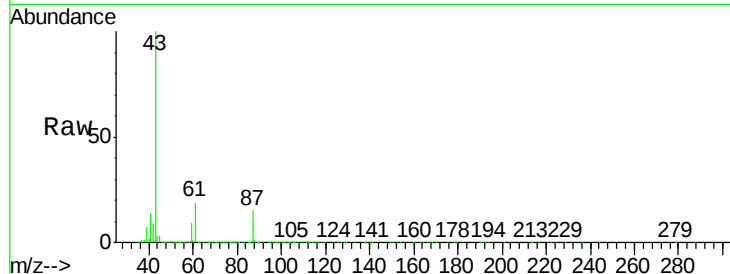
Isopropyl Acetate
 Concen: 59.549 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	16.6	24.8
87	13.9	11.4	17.2

Manual Integrations
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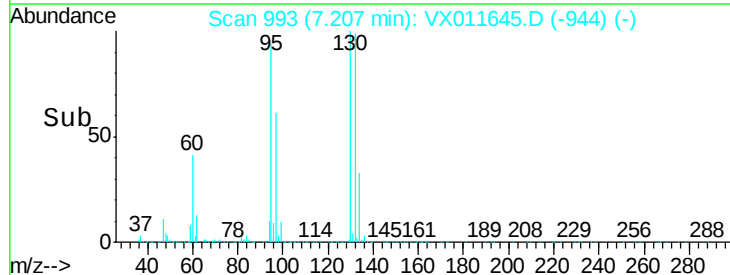
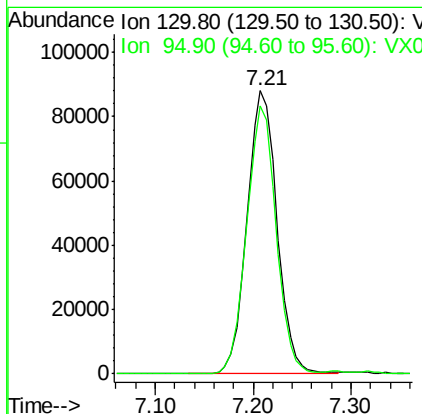
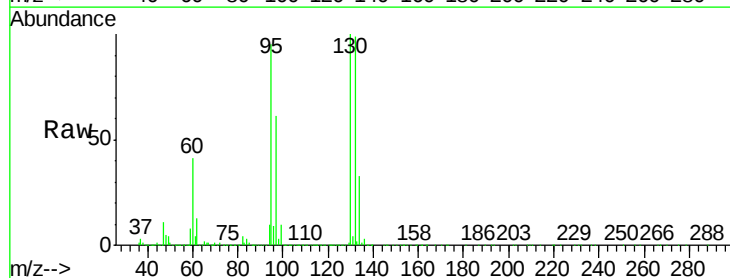
MMDadoda
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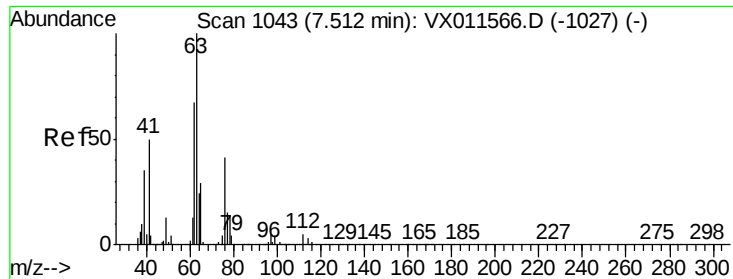


#44

Trichloroethene
 Concen: 55.261 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	181.4





#45

1,2-Dichloropropane

Concen: 58.286 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 166193

Ion Ratio Lower Upper

63 100

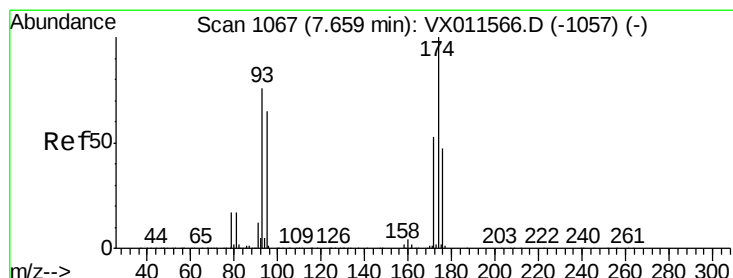
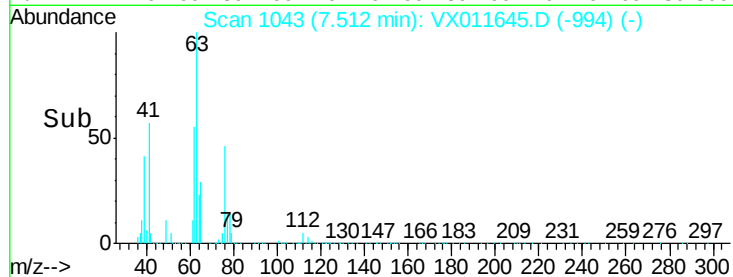
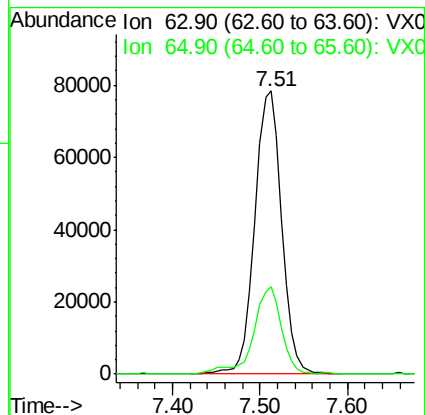
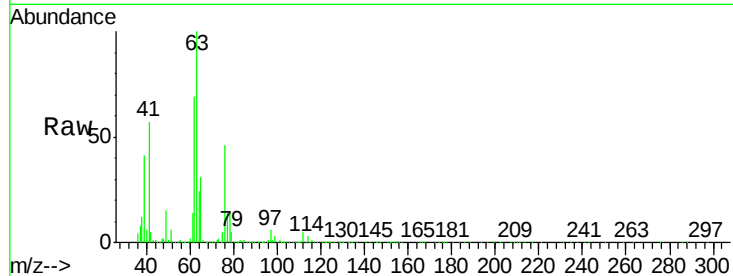
65 30.6 23.4 35.2

Manual Integrations

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8/20/2019 3:40:45 PM



#46

Dibromomethane

Concen: 57.743 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

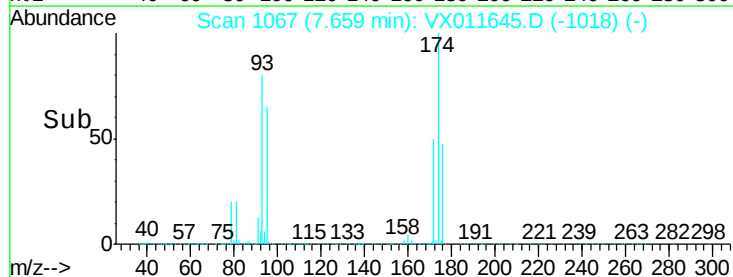
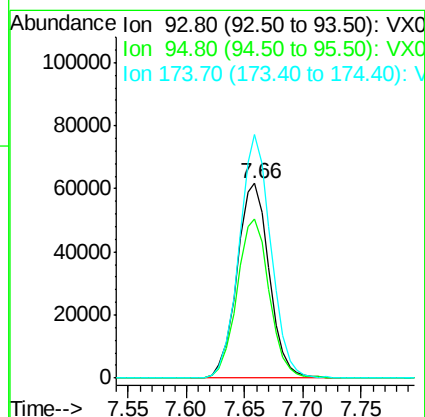
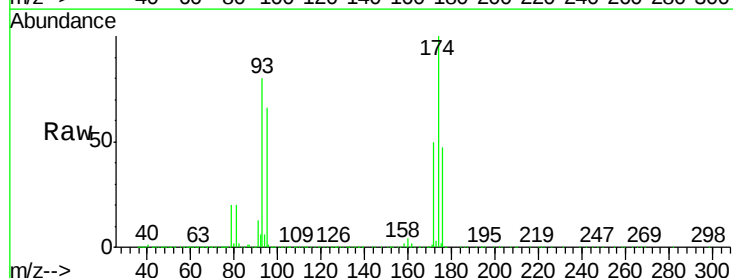
Tgt Ion: 93 Resp: 119645

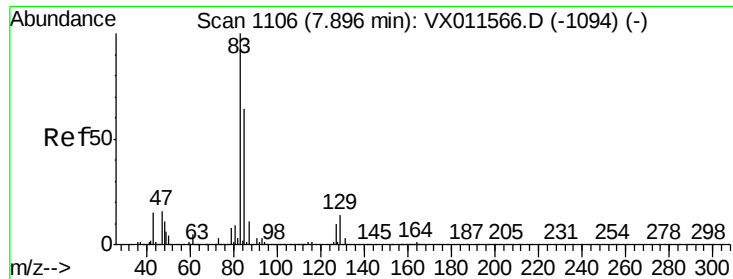
Ion Ratio Lower Upper

93 100

95 81.0 67.2 100.8

174 122.5 105.5 158.3





#47

Bromodichloromethane

Concen: 59.316 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

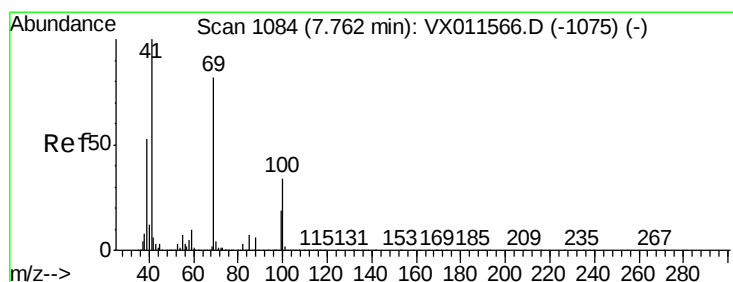
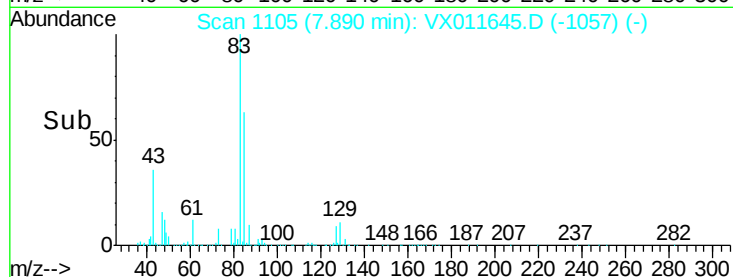
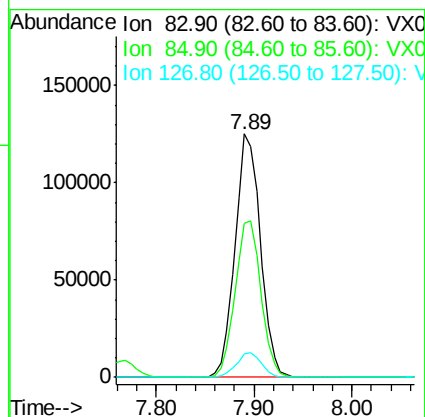
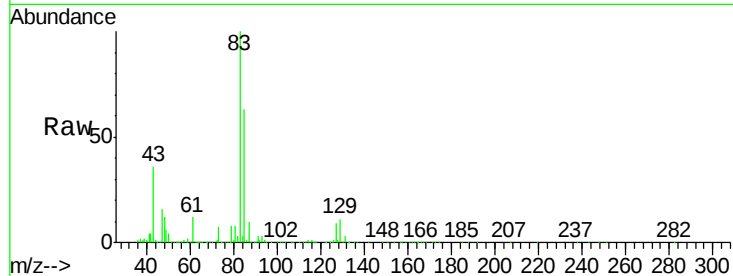
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	225667
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.2	76.8
127	9.3	8.1	12.1

Manual Integrations
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8/20/2019 3:40:45 PM



#48

Methyl methacrylate

Concen: 60.304 ug/l

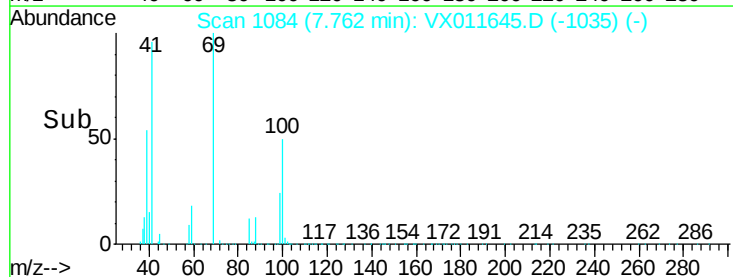
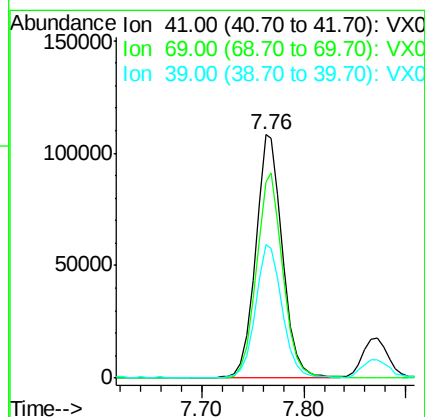
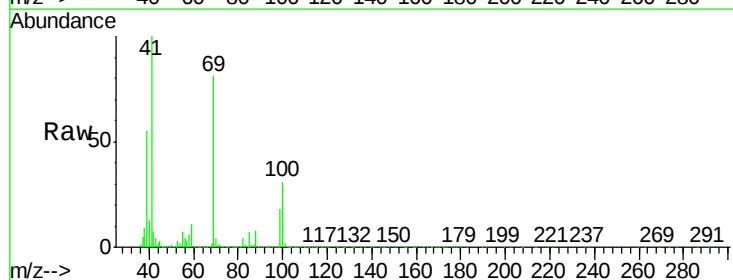
RT: 7.76 min Scan# 1084

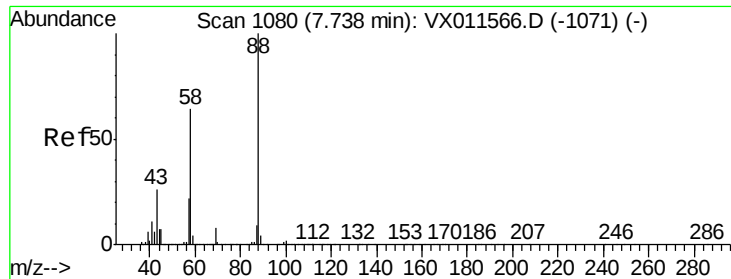
Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion:	41	Resp:	197217
Ion Ratio	Lower	Upper	
41	100		
69	83.1	67.9	101.9
39	54.0	41.6	62.4





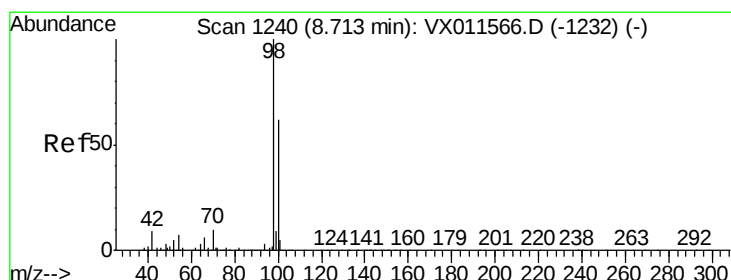
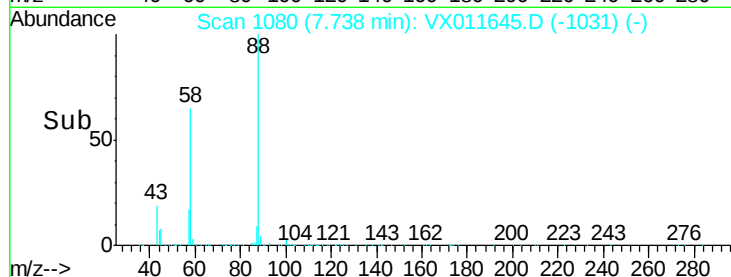
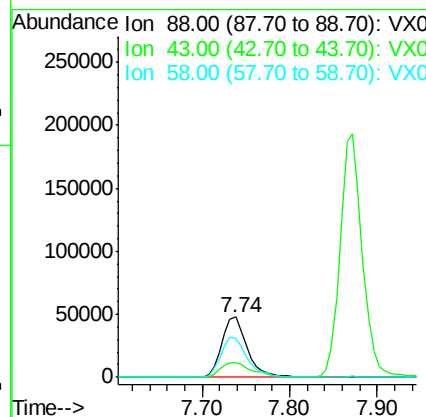
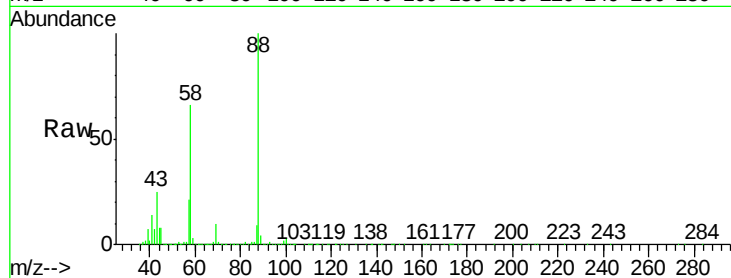
#49
1,4-Dioxane
Concen: 1105.832 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	23.4	35.0
58	68.7	54.3	81.5

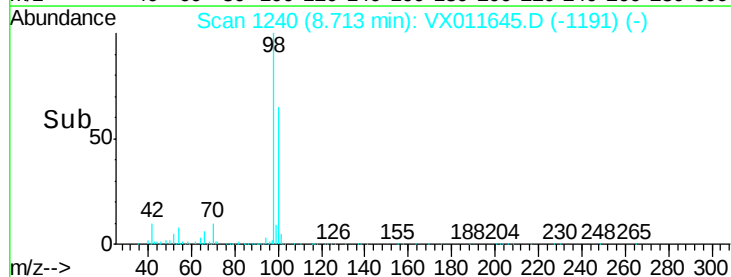
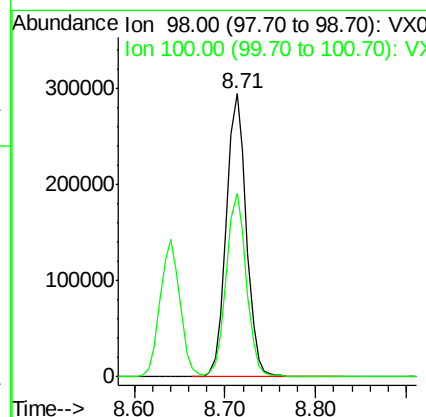
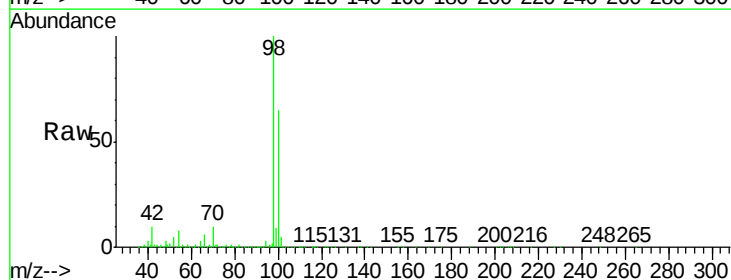
Manual Integrations
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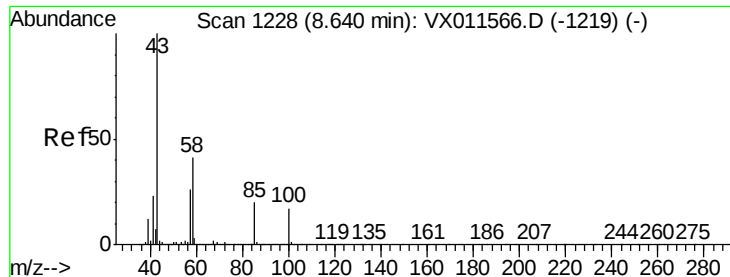
MMDadoda
8/20/2019 3:40:45 PM



#50
Toluene-d8
Concen: 51.663 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 299.196 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1293305

Ion Ratio Lower Upper

43 100

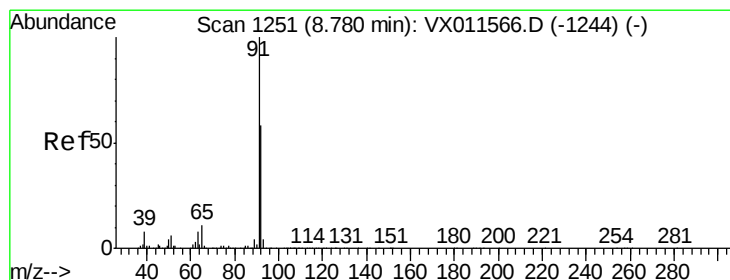
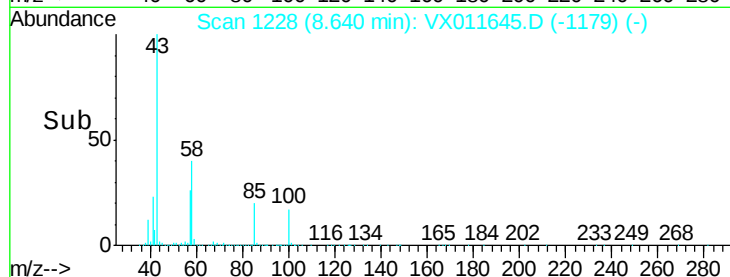
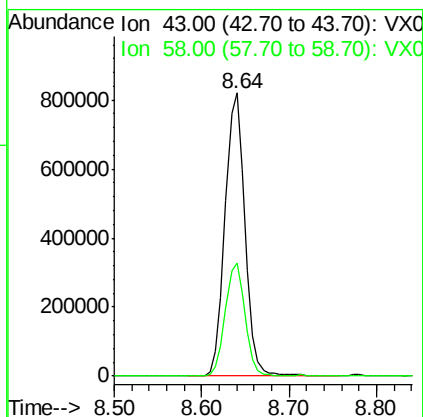
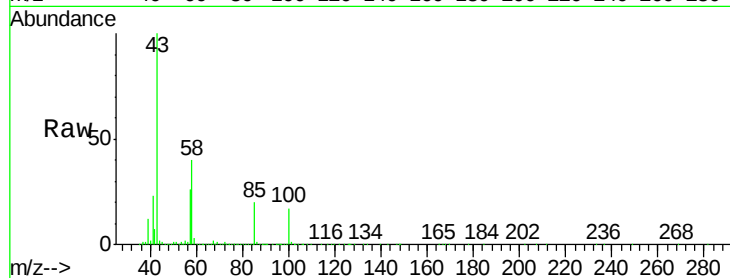
58 39.7 31.8 47.6

Manual Integrations

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8/20/2019 3:40:45 PM



#52

Toluene

Concen: 59.154 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011645.D

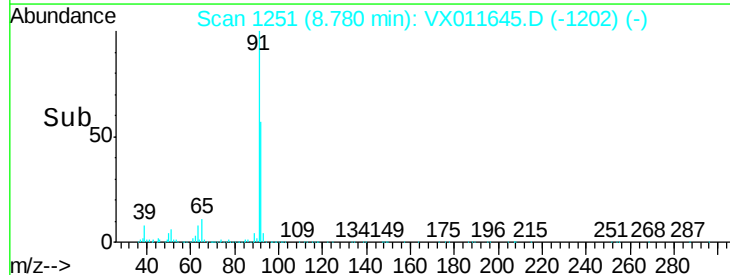
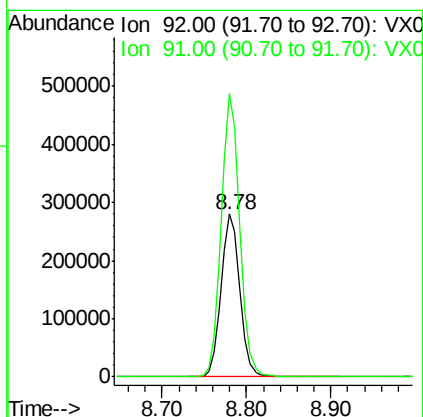
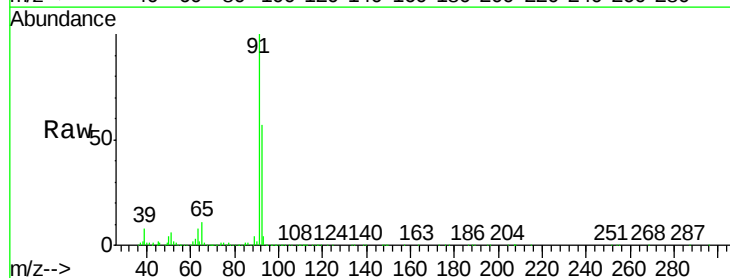
Acq: 19 Aug 2019 20:47

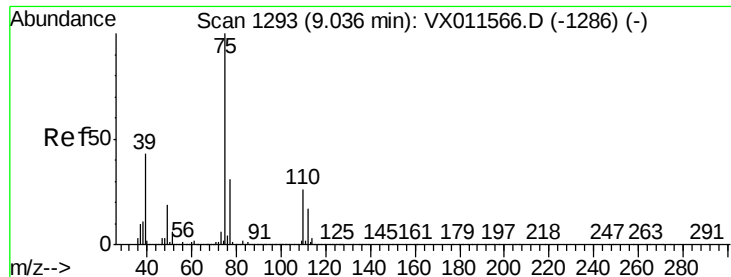
Tgt Ion: 92 Resp: 430874

Ion Ratio Lower Upper

92 100

91 172.2 138.0 207.0





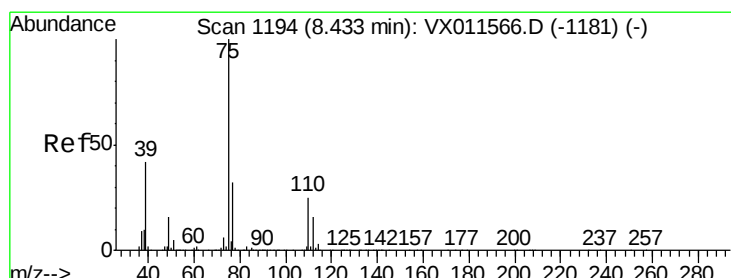
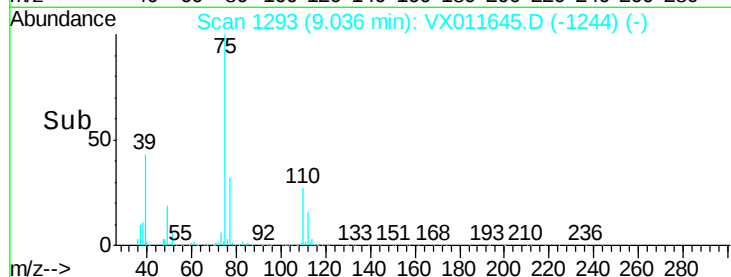
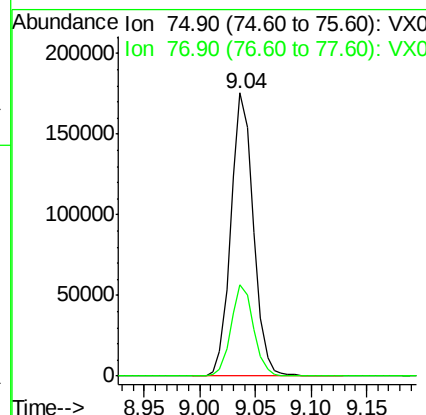
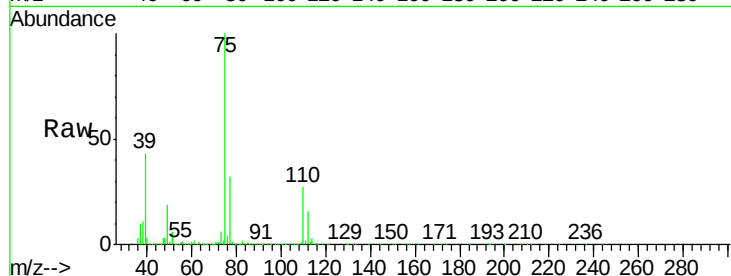
#53
t-1,3-Dichloropropene
Concen: 62.036 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.1	37.7

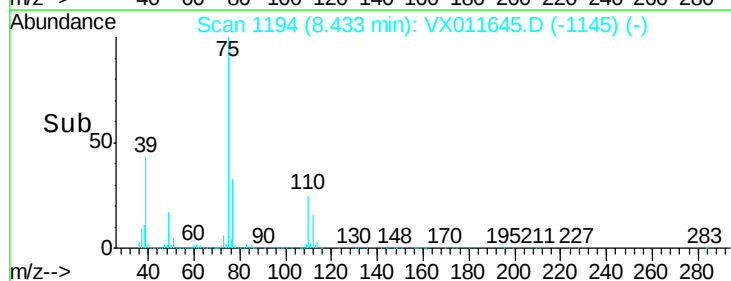
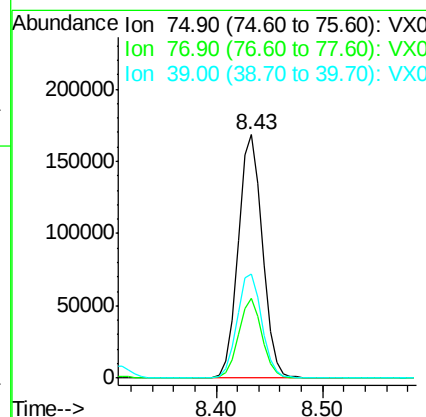
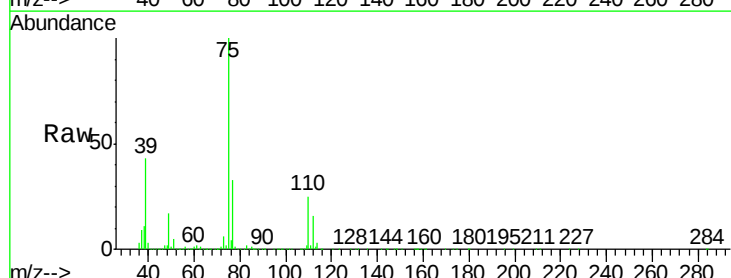
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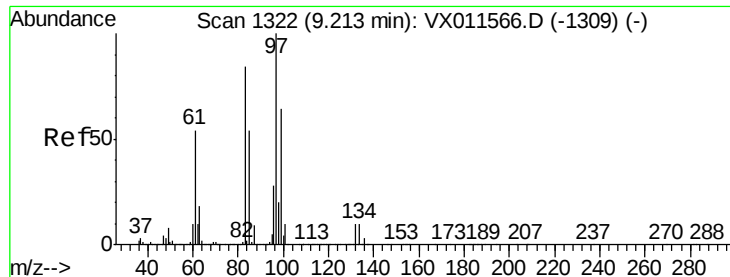
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#54
cis-1,3-Dichloropropene
Concen: 62.132 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.5	38.3
39	42.6	33.6	50.4





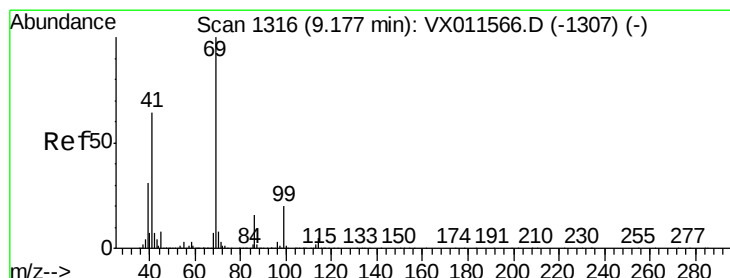
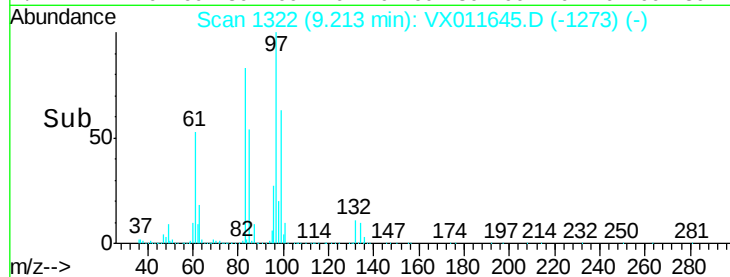
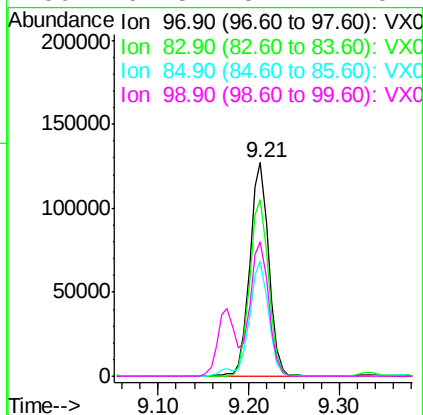
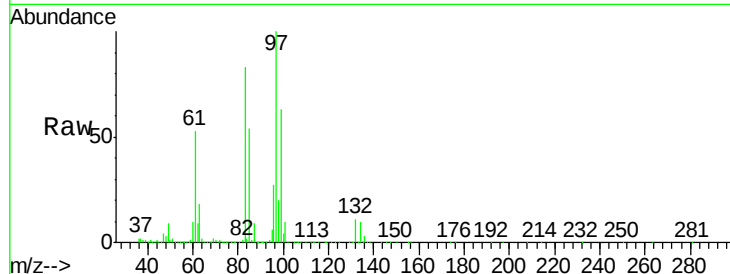
#55
 1,1,2-Trichloroethane
 Concen: 59.215 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		183418		
83	82.5	67.4	101.0		
85	53.8	43.4	65.2		
99	62.8	51.1	76.7		

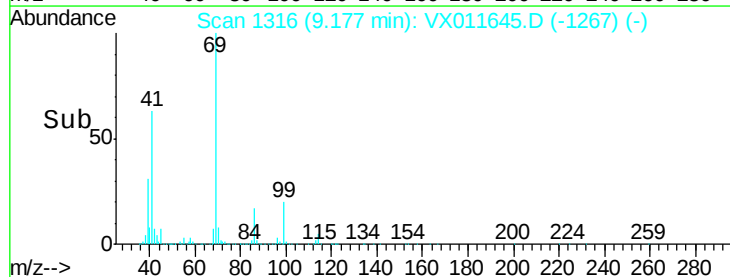
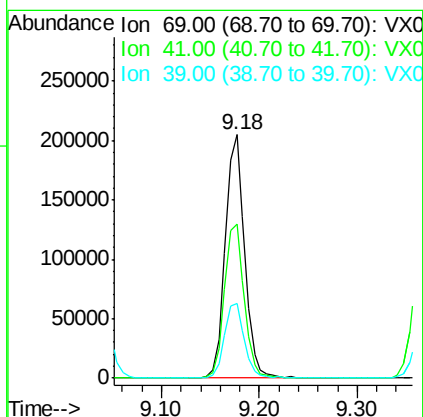
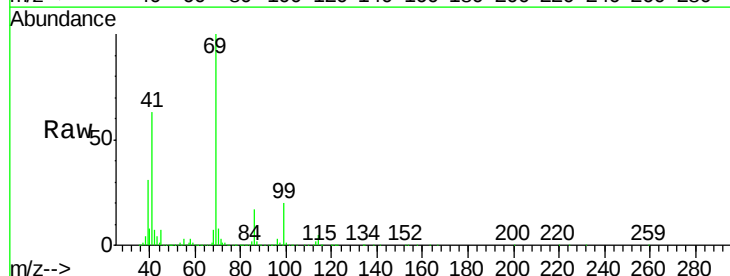
Manual Integrations
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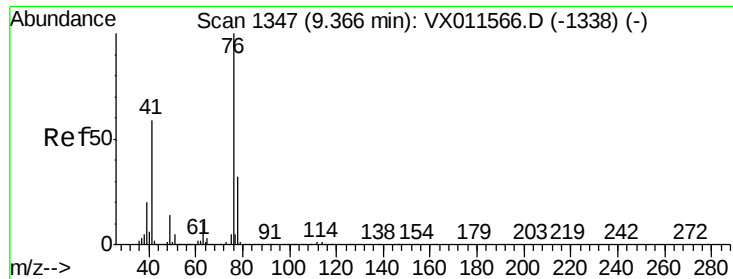
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#56
 Ethyl methacrylate
 Concen: 62.041 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		279310		
41	64.9	52.1	78.1		
39	31.5	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 58.981 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 290405

Ion Ratio Lower Upper

76 100

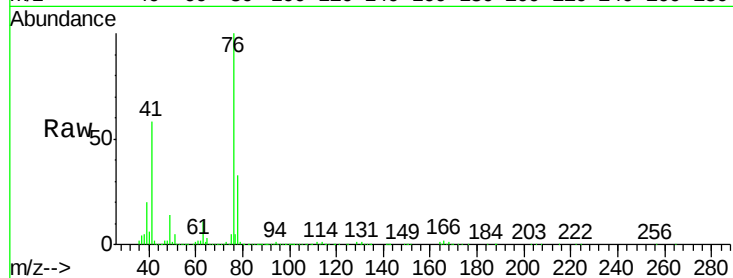
78 33.0 26.2 39.4

Manual Integrations

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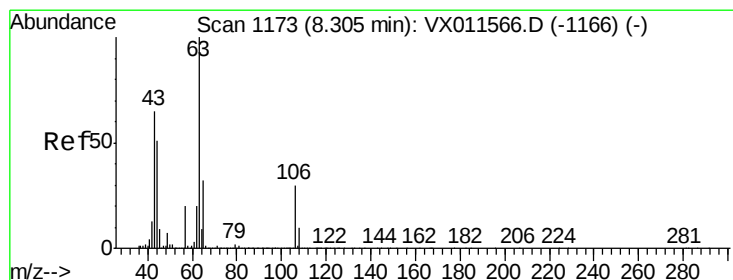
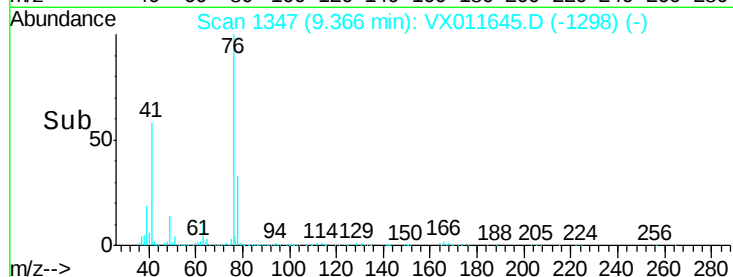
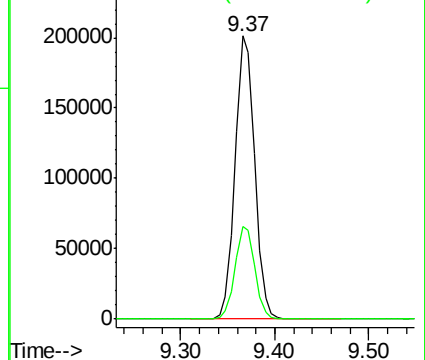
MMDadoda

8/20/2019 3:40:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 298.630 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011645.D

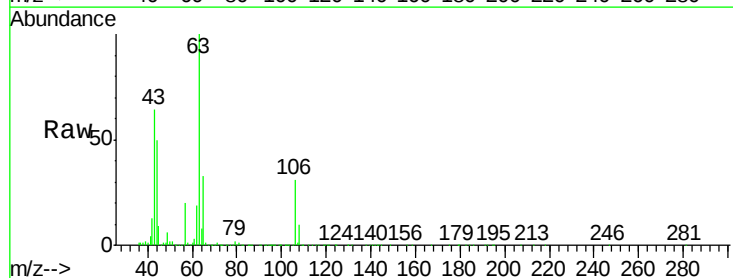
Acq: 19 Aug 2019 20:47

Tgt Ion: 63 Resp: 669881

Ion Ratio Lower Upper

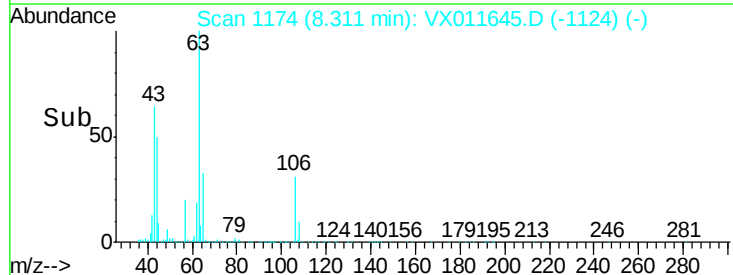
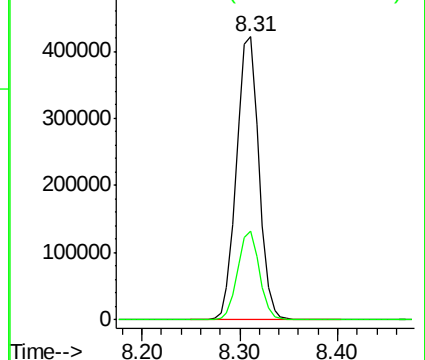
63 100

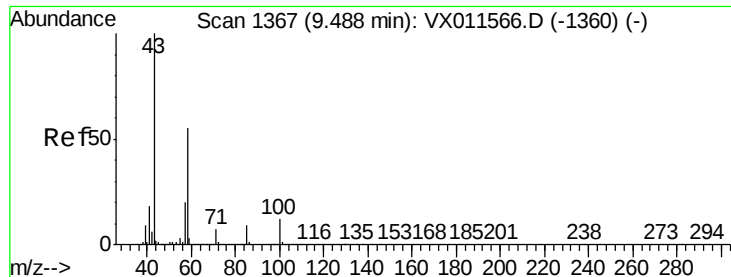
106 30.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





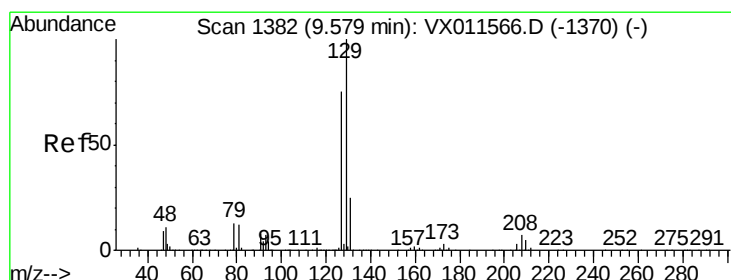
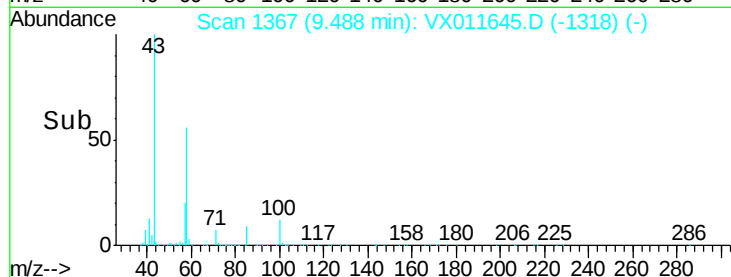
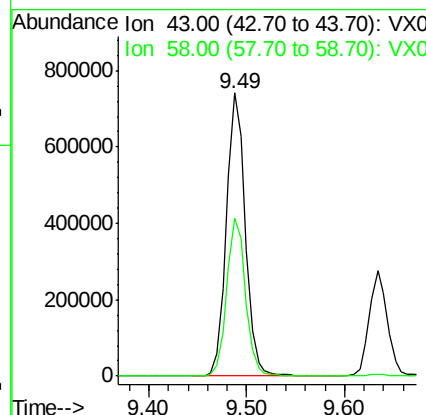
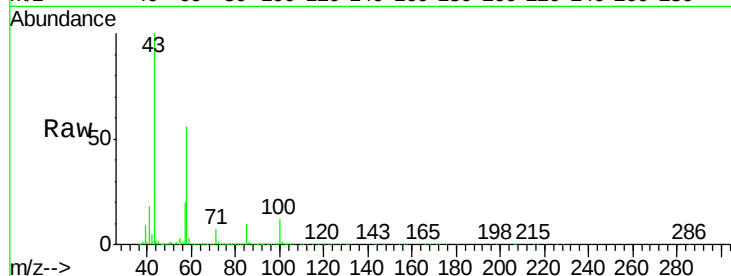
#59
2-Hexanone
Concen: 298.017 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.5	82.4

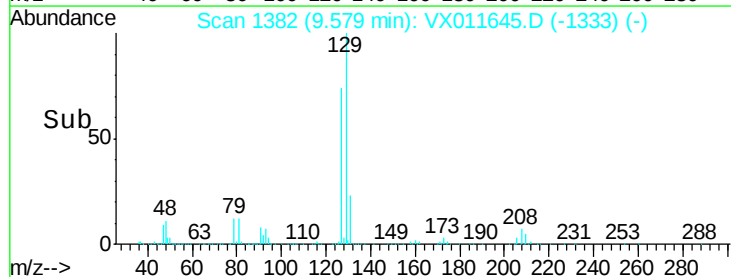
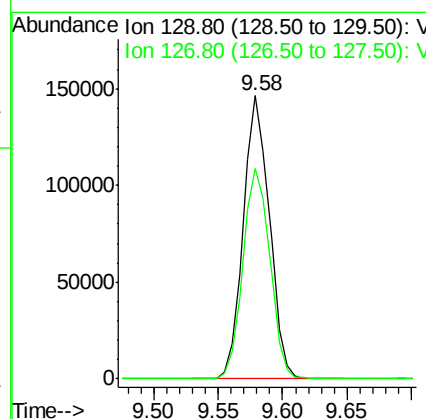
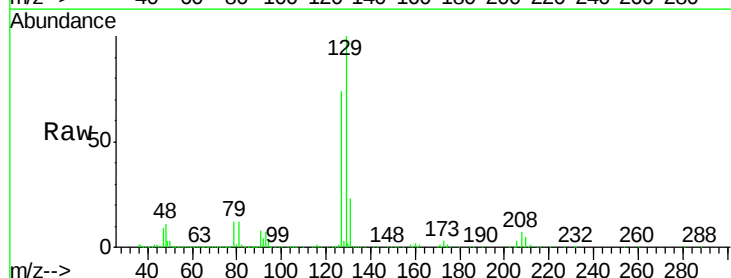
Manual Integrations
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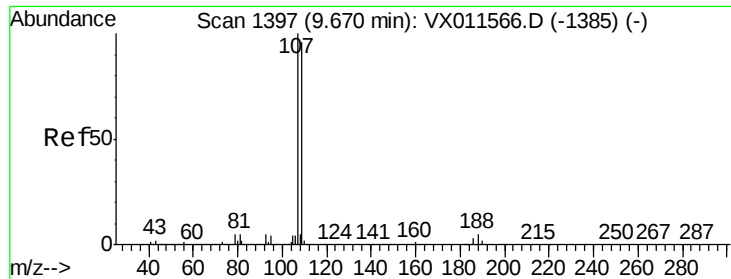
MMDadoda
8/20/2019 3:40:45 PM



#60
Dibromochloromethane
Concen: 63.637 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.0	114.1





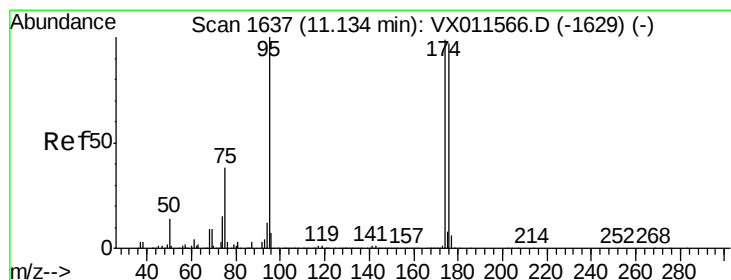
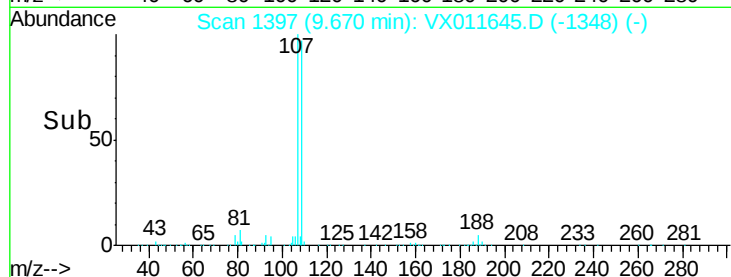
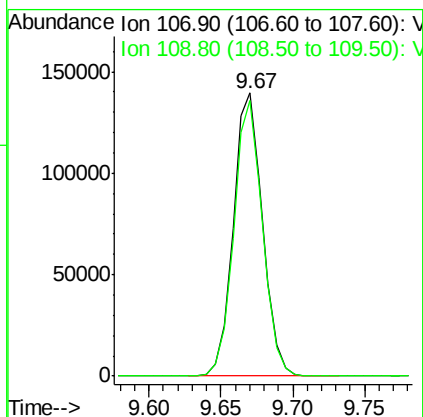
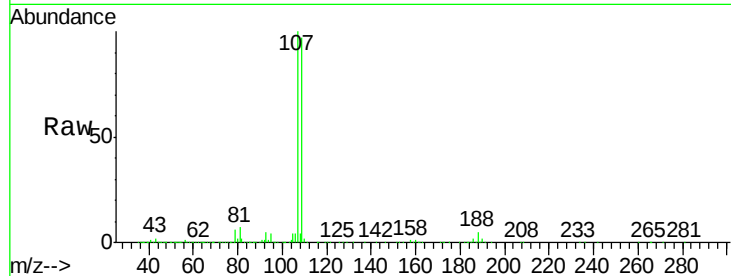
#61
 1,2-Dibromoethane
 Concen: 59.347 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.2	114.2

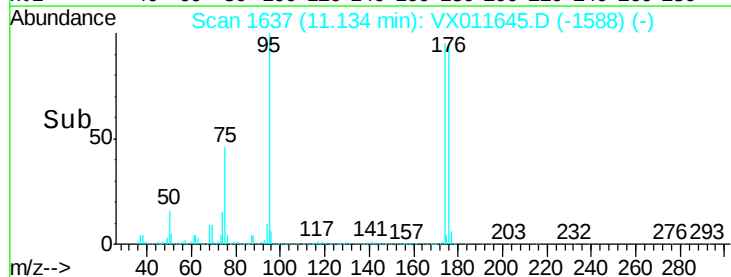
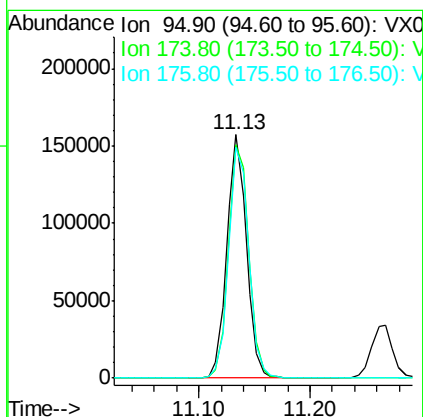
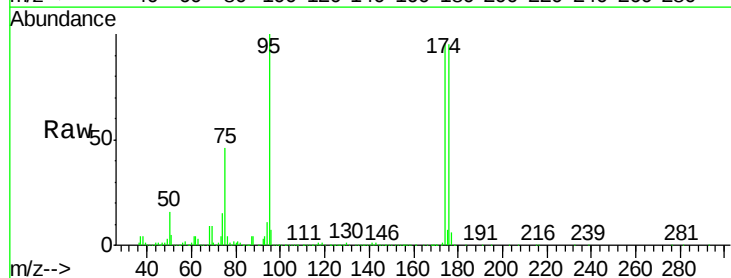
Manual Integrations
 APPROVED

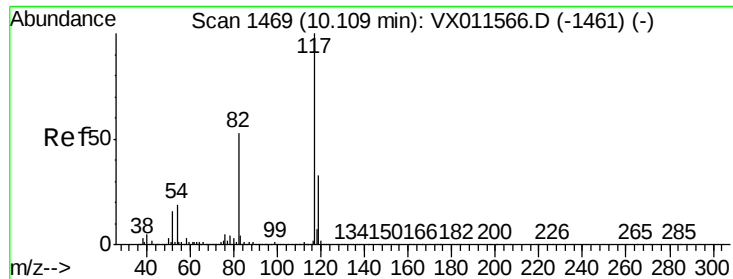
MMDadoda
 8/20/2019 3:40:45 PM



#62
 4-Bromofluorobenzene
 Concen: 51.498 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.6	0.0	200.6
176	97.8	0.0	196.6





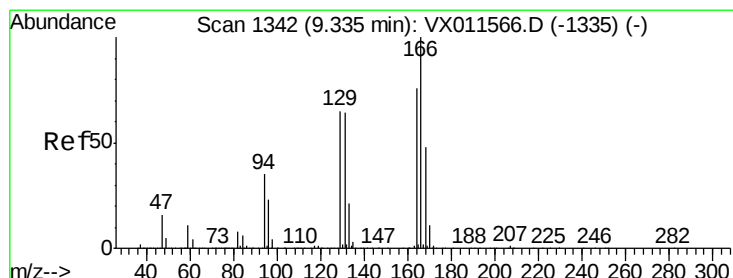
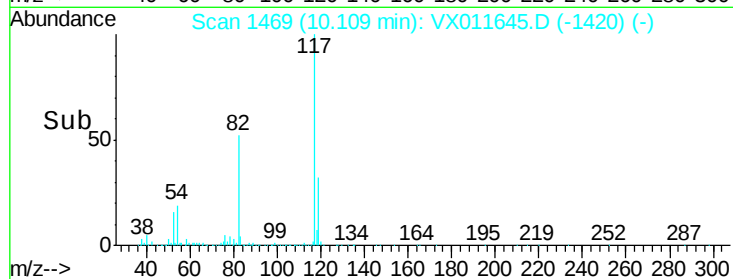
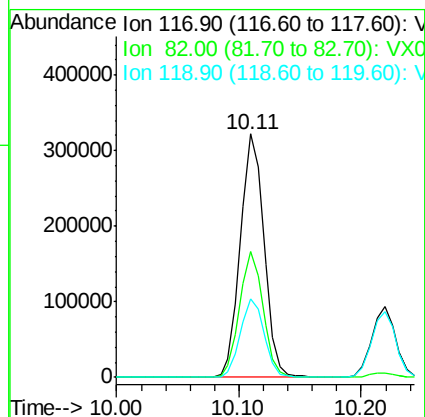
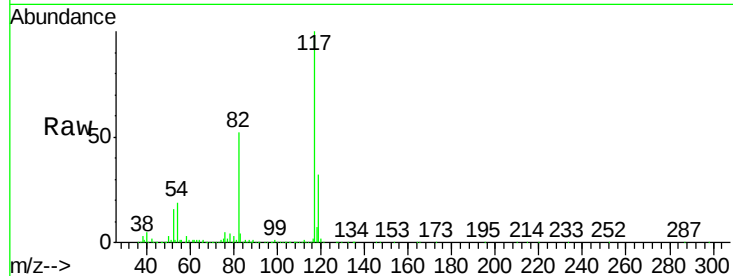
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	431906		
82	51.7	42.0	63.0	
119	32.4	26.5	39.7	

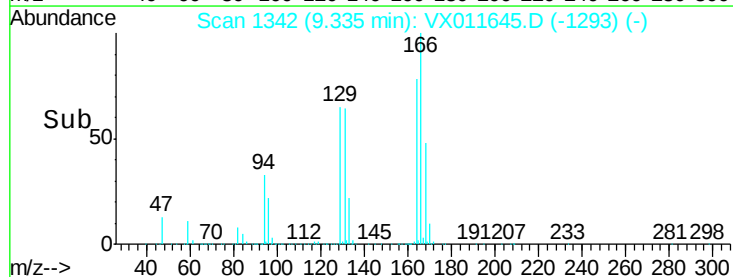
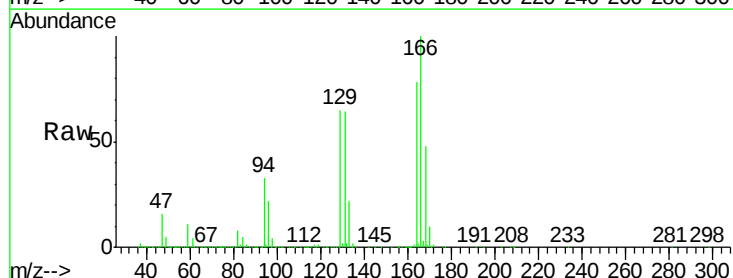
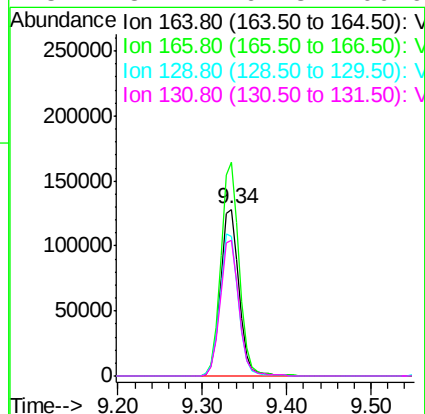
Manual Integrations
APPROVED

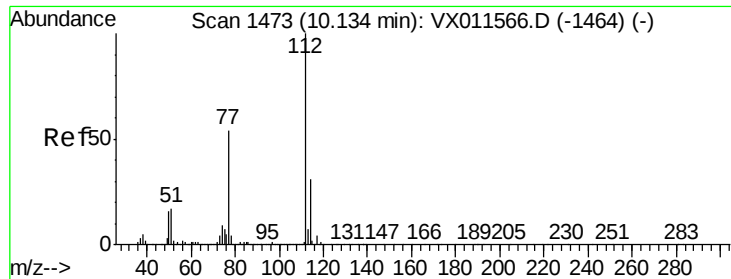
MMDadoda
8/20/2019 3:40:45 PM



#64
Tetrachloroethene
Concen: 55.068 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	195144		
166	127.9	104.7	157.1	
129	83.7	68.2	102.4	
131	81.4	67.3	100.9	





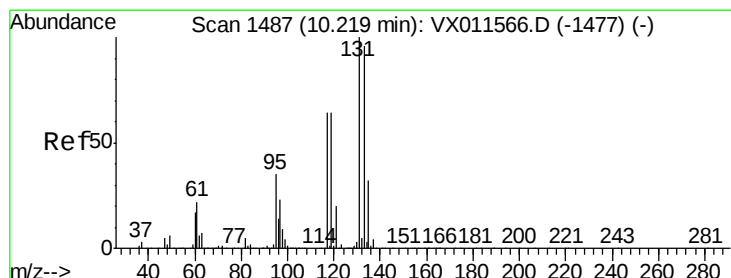
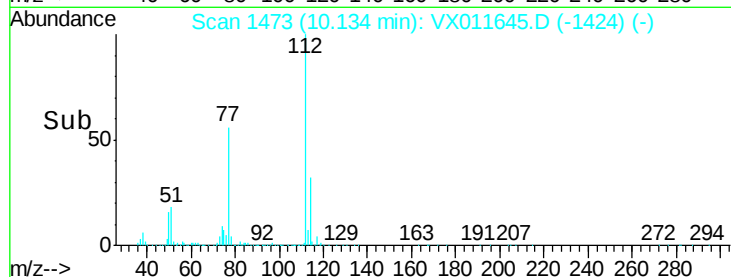
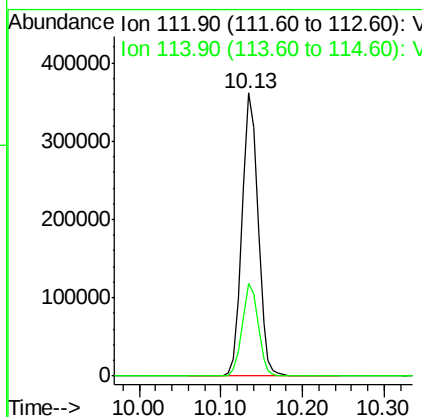
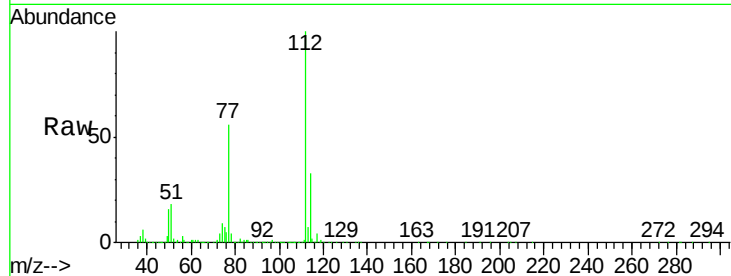
#65
Chlorobenzene
Concen: 53.031 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.0	37.6

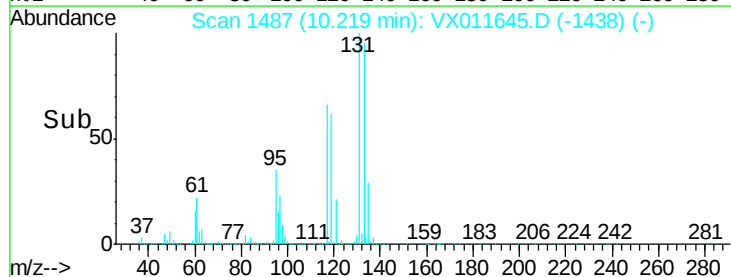
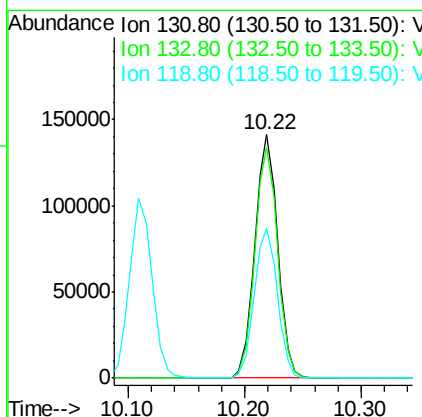
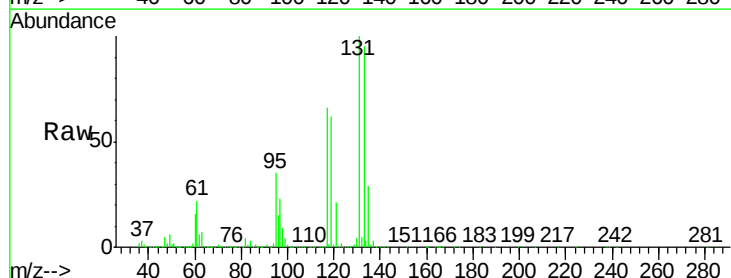
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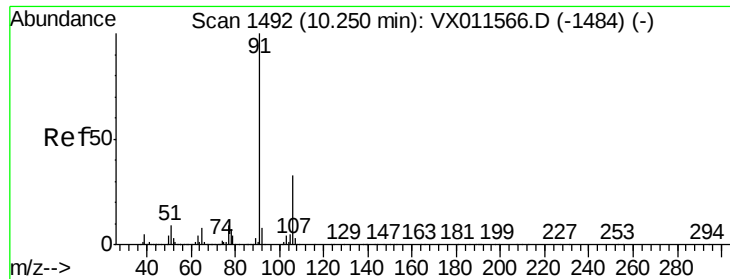
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.196 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	48.1	144.4
119	62.3	31.3	93.8





#67

Ethyl Benzene

Concen: 54.649 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 840184

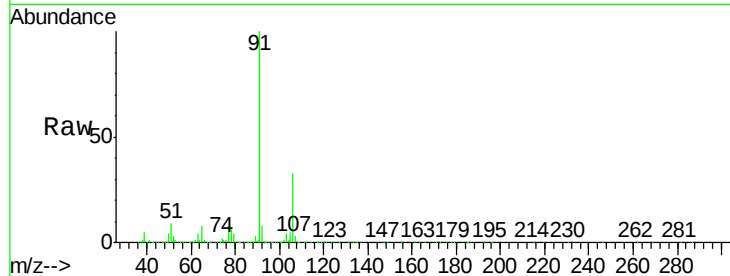
Ion Ratio Lower Upper

91 100

106 33.0 26.0 39.0

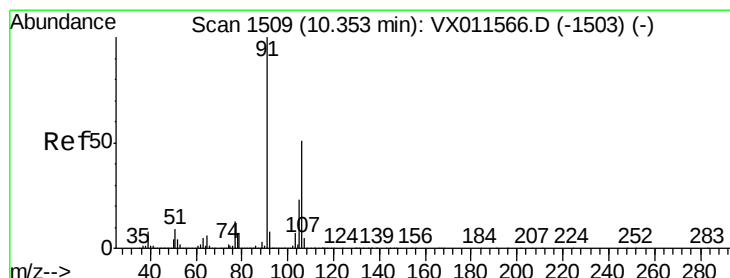
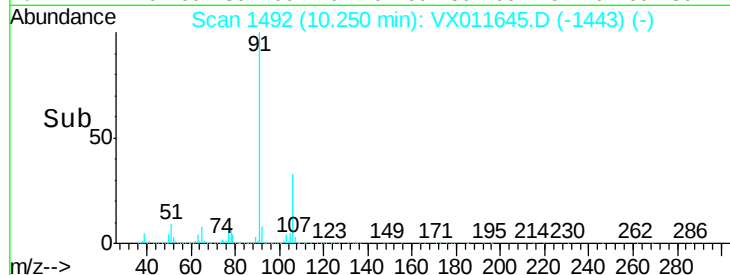
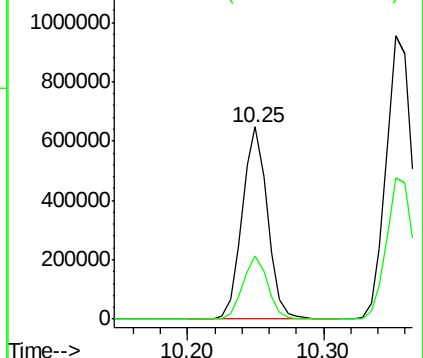
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 111.267 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VX011645.D

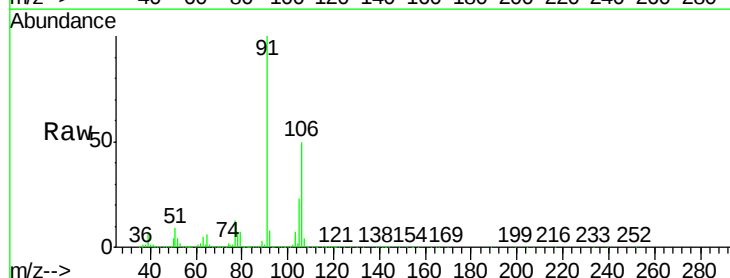
Acq: 19 Aug 2019 20:47

Tgt Ion: 106 Resp: 656633

Ion Ratio Lower Upper

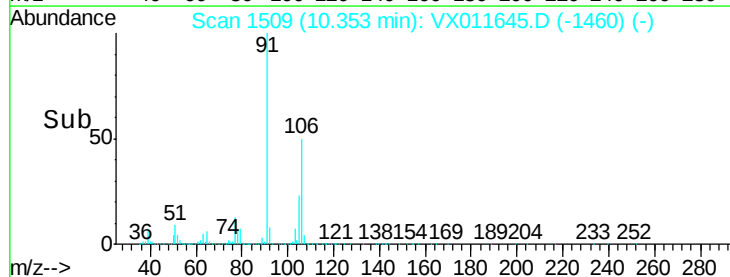
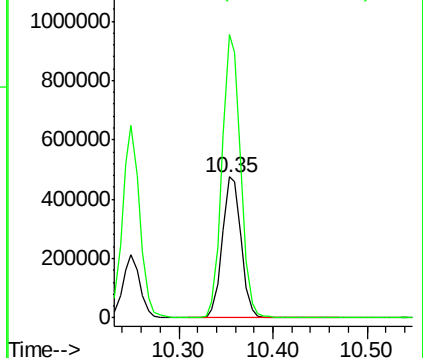
106 100

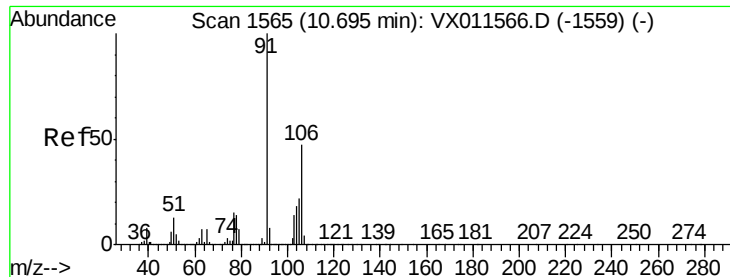
91 197.6 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





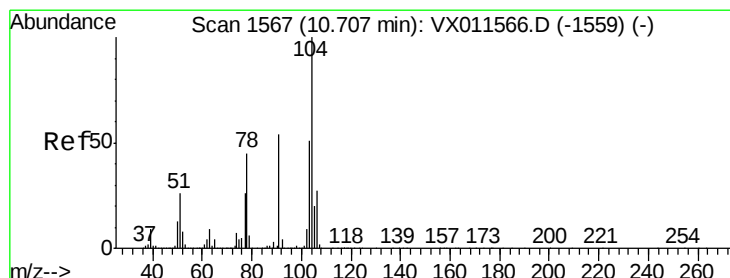
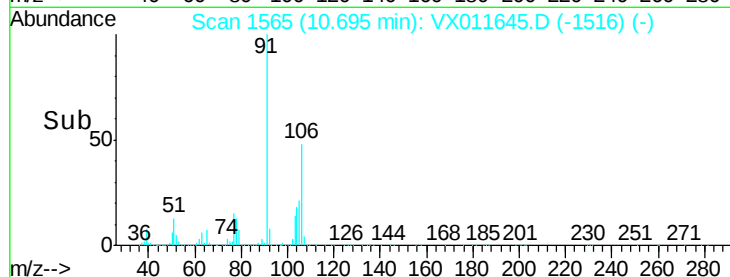
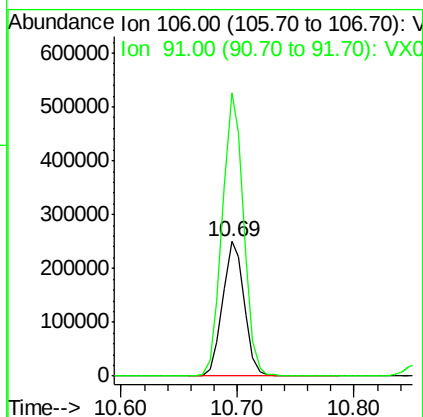
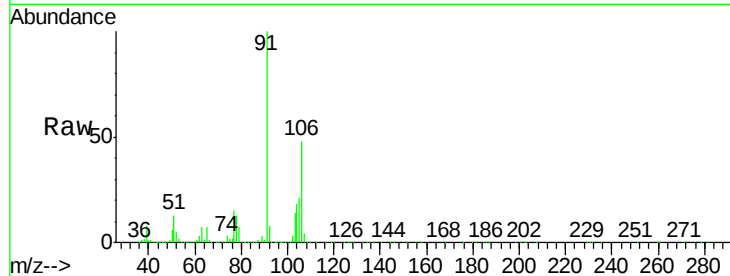
#69
o-Xylene
Concen: 55.061 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	318291		
91	208.4	105.5	316.4		

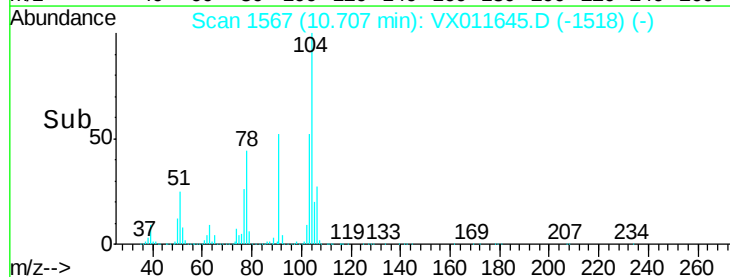
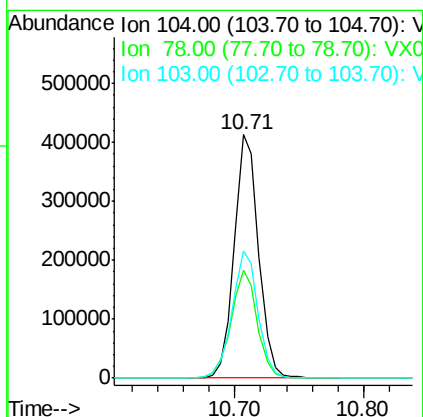
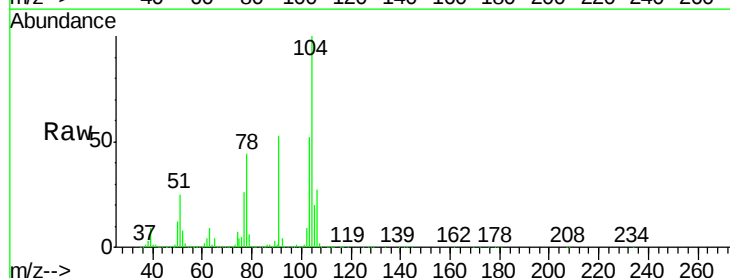
Manual Integrations
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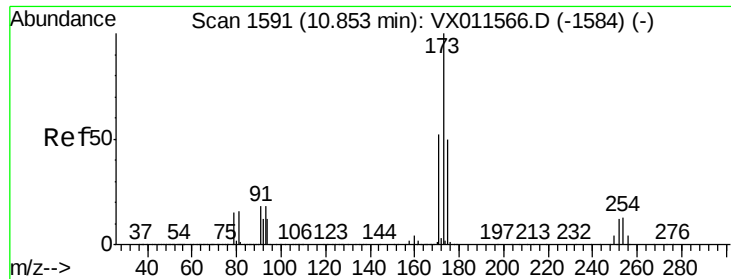
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#70
Styrene
Concen: 55.991 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	544863		
78	47.7	38.2	57.4		
103	55.5	43.6	65.4		





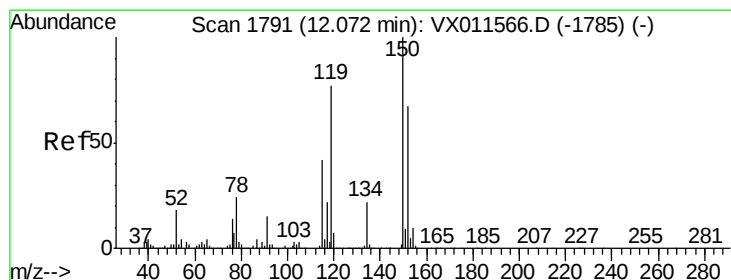
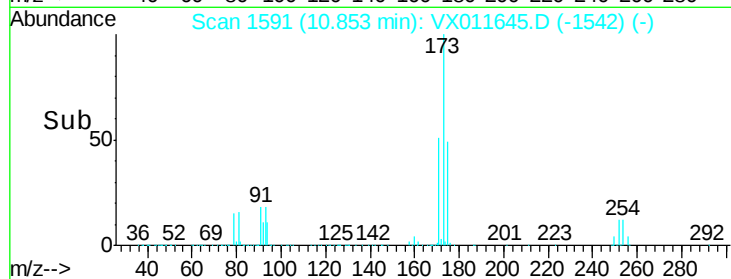
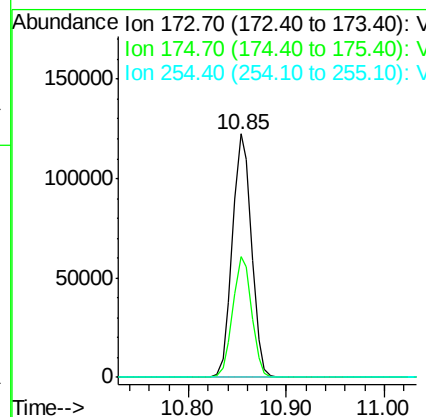
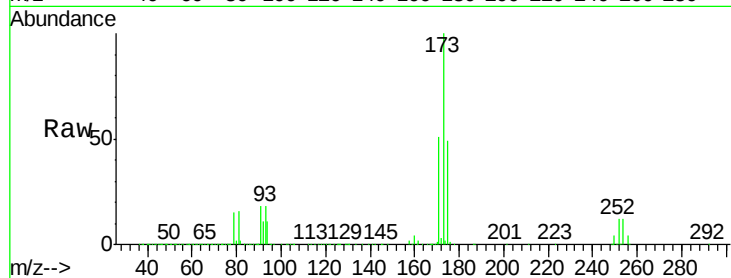
#71
Bromoform
Concen: 49.864 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.7
254	0.1	0.1	0.1

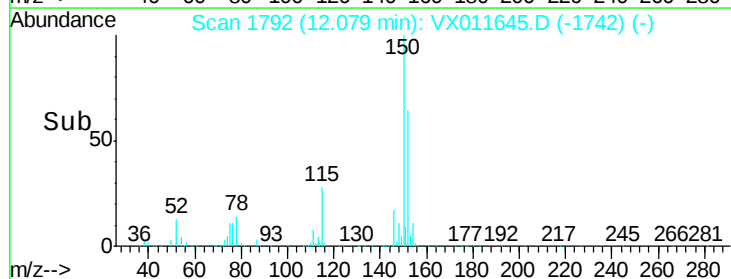
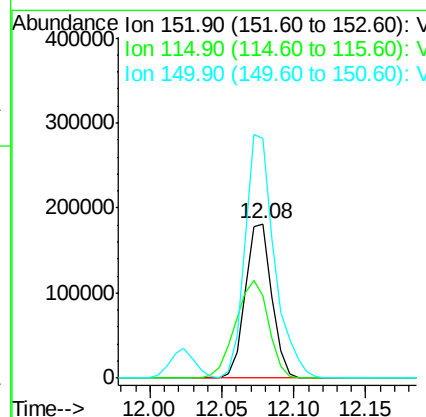
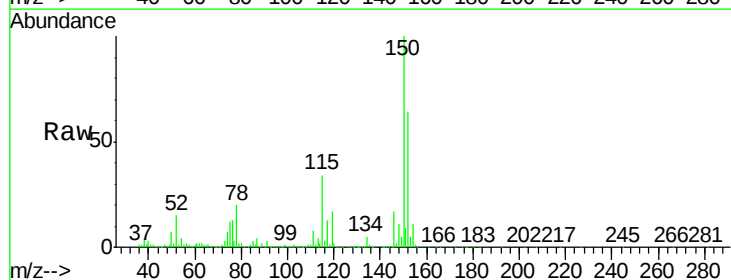
Manual Integrations
APPROVED

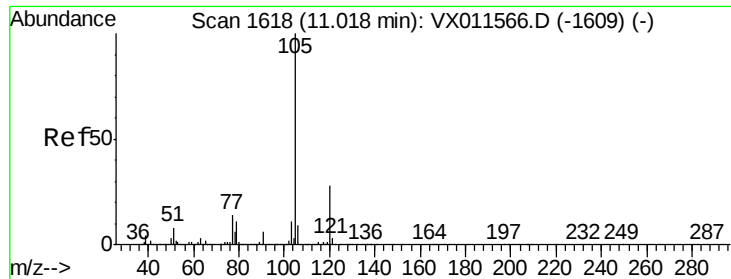
MMDadoda
8/20/2019 3:40:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.8	37.3	111.9
150	175.0	0.0	346.2





#73

Isopropylbenzene

Concen: 57.016 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 852528

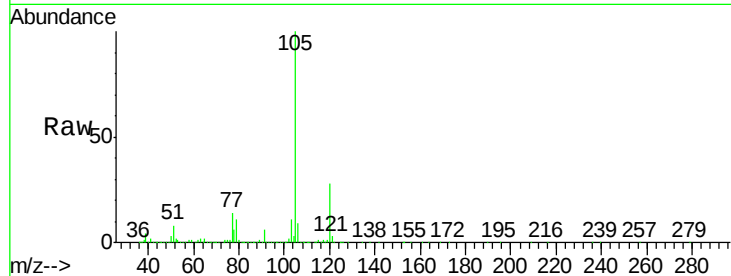
Ion Ratio Lower Upper

105 100

120 27.4 14.0 41.9

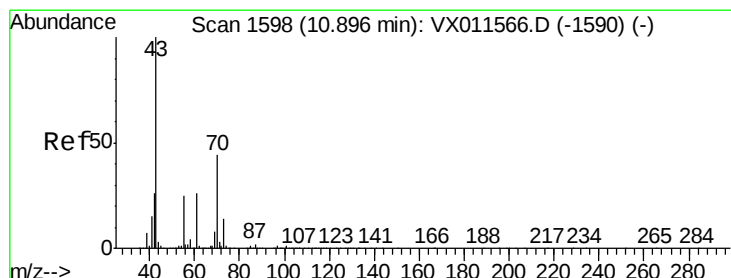
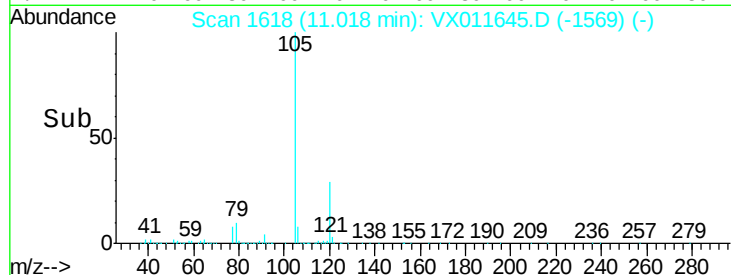
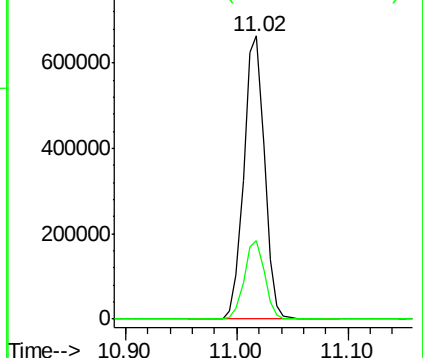
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.062 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion: 43 Resp: 349884

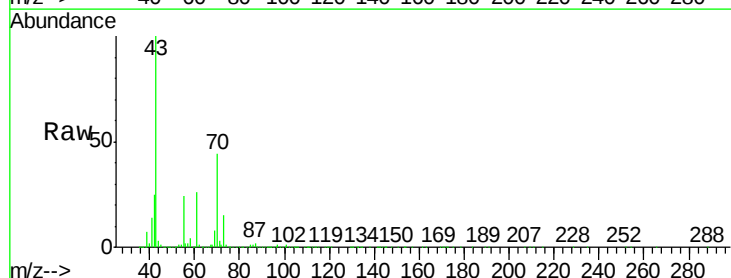
Ion Ratio Lower Upper

43 100

70 44.0 34.7 52.1

55 24.3 19.6 29.4

61 25.2 19.9 29.9

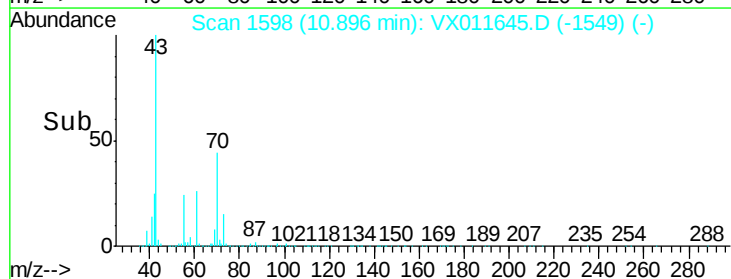
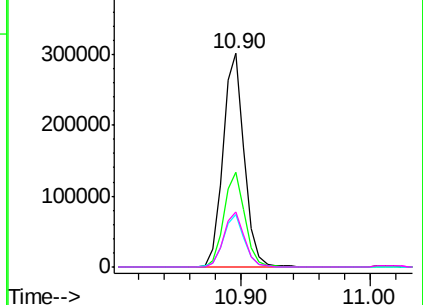


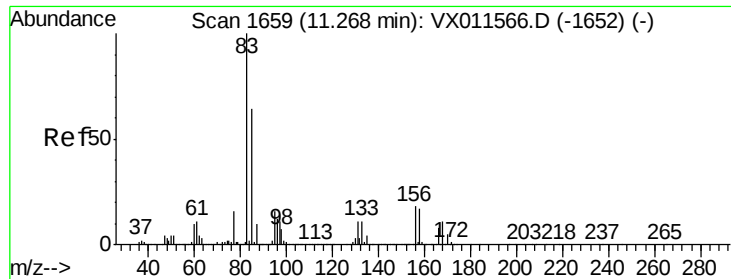
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 54.526 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

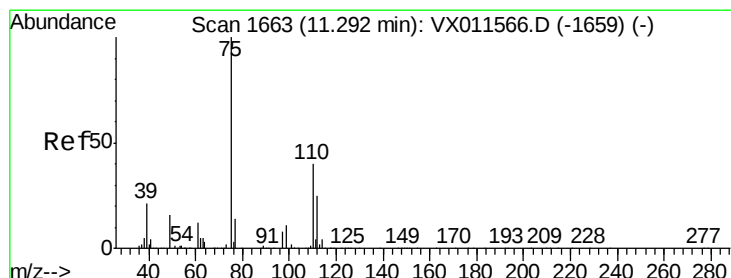
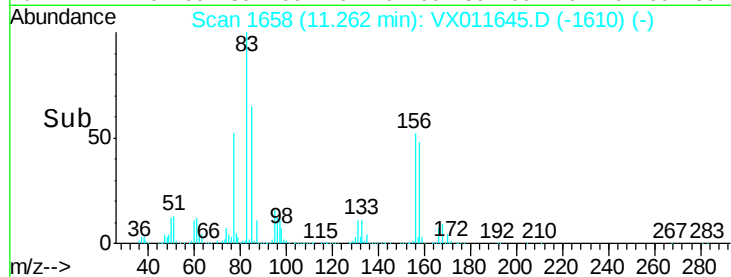
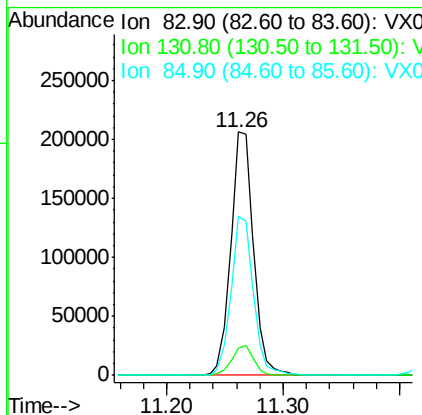
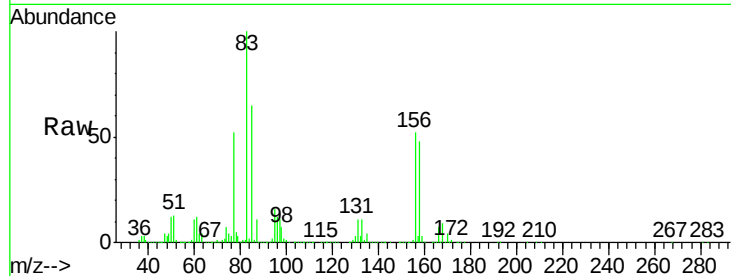
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	280467
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.8	17.3
85	64.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.263 ug/l m

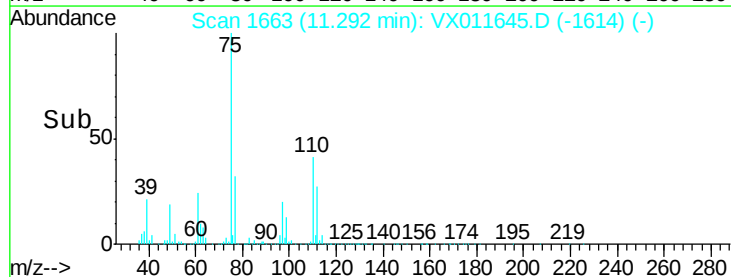
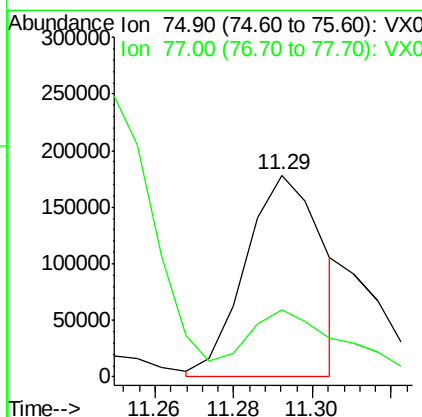
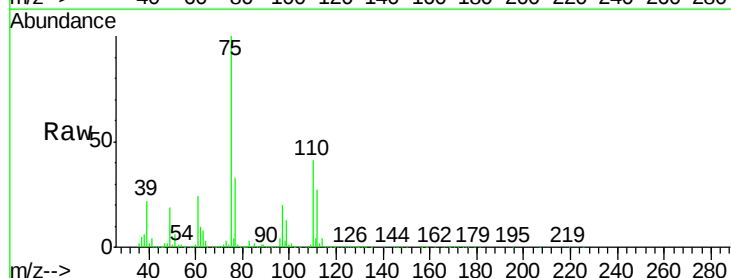
RT: 11.29 min Scan# 1663

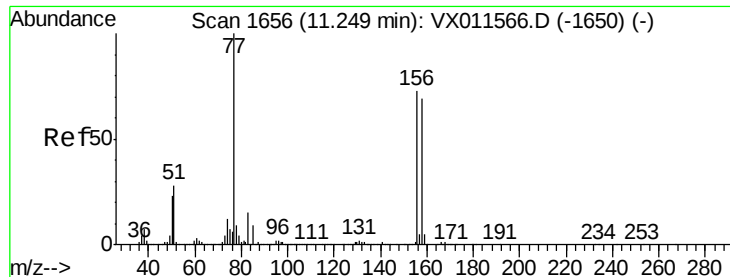
Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion:	75	Resp:	241477
Ion Ratio	Lower	Upper	
75	100		
77	42.0	20.9	62.8





#77

Bromobenzene

Concen: 55.940 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

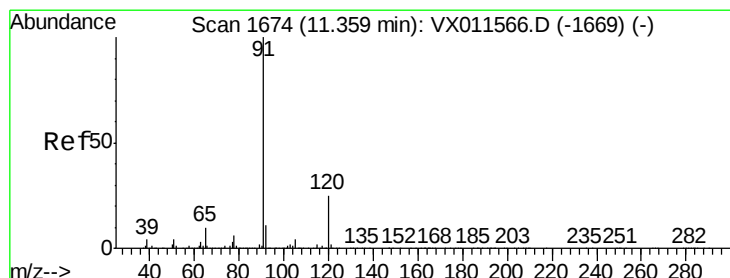
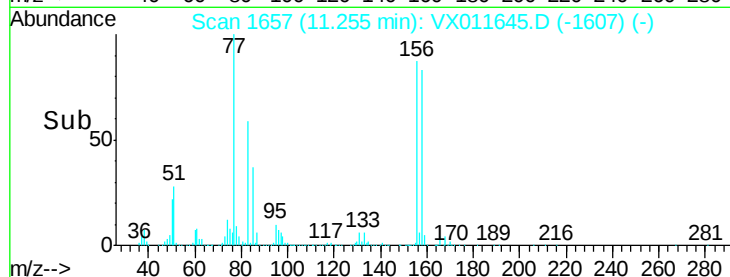
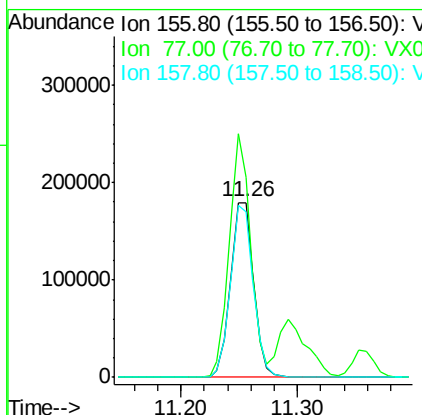
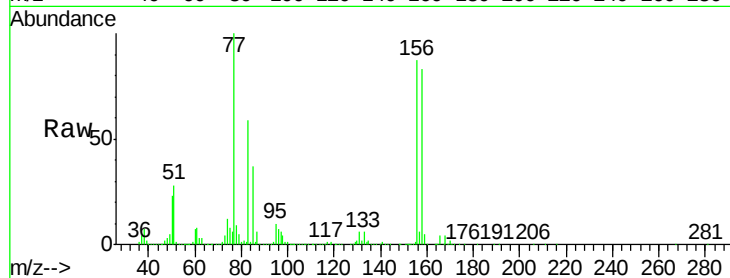
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	248855
Ion Ratio	Lower	Upper	
156	100		
77	128.8	64.6	193.9
158	96.9	48.4	145.3

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#78

n-propylbenzene

Concen: 57.644 ug/l

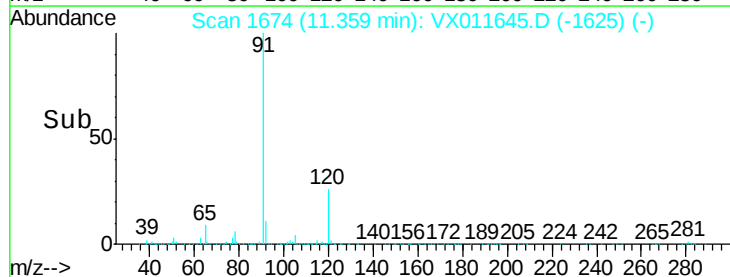
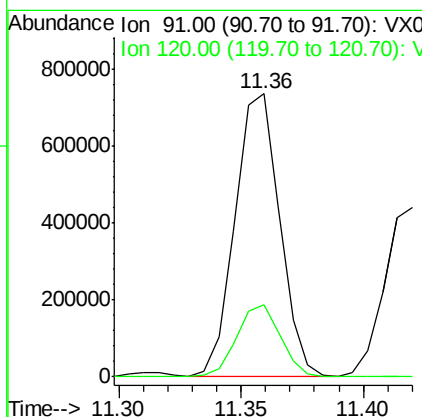
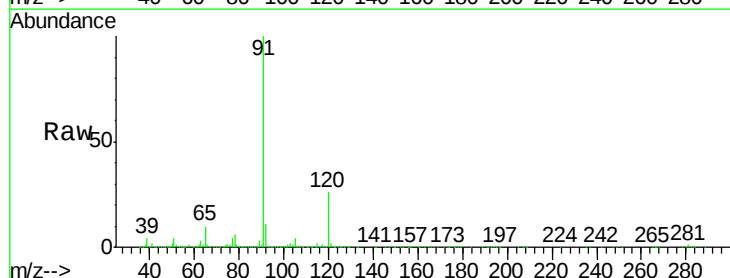
RT: 11.36 min Scan# 1674

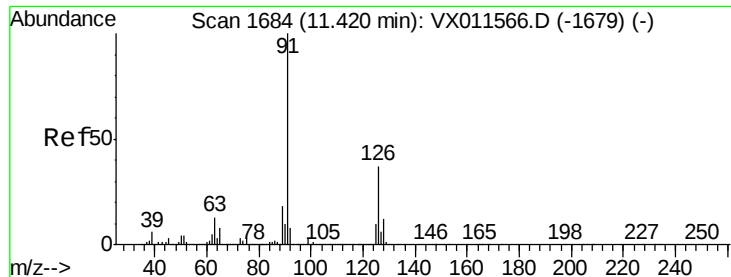
Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion:	91	Resp:	929418
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.6	37.6





#79

2-Chlorotoluene

Concen: 56.834 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 562684

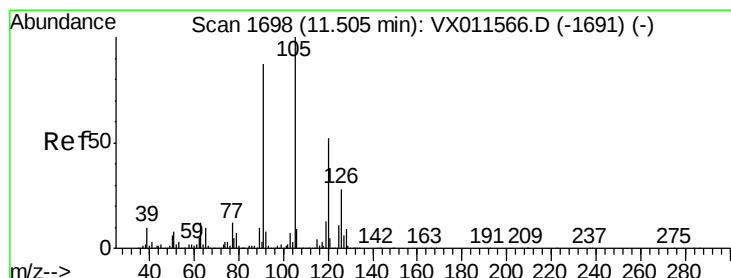
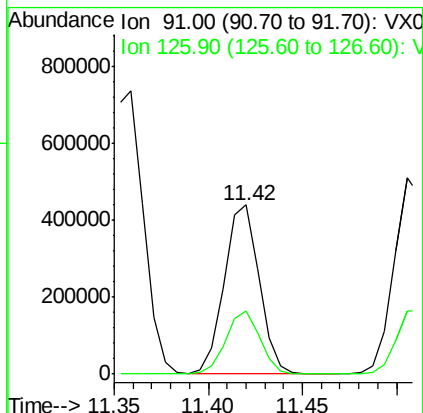
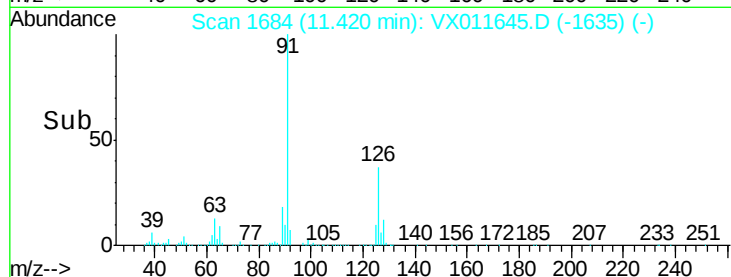
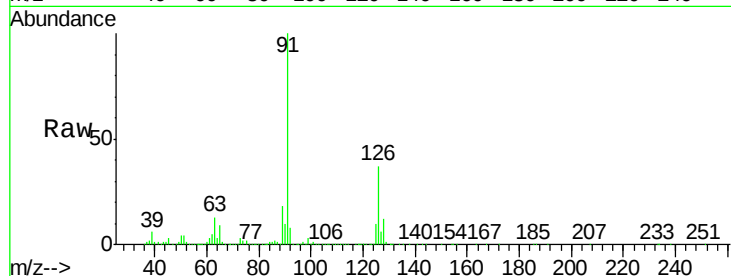
Ion Ratio Lower Upper

91 100

126 36.9 18.4 55.0

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#80

1,3,5-Trimethylbenzene

Concen: 57.329 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011645.D

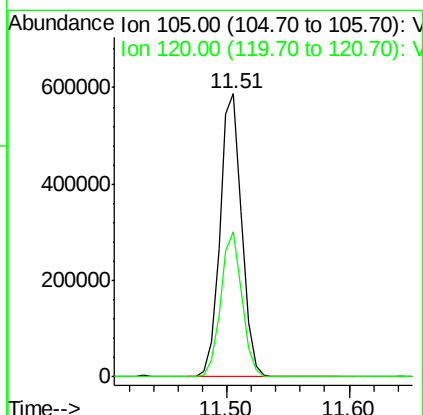
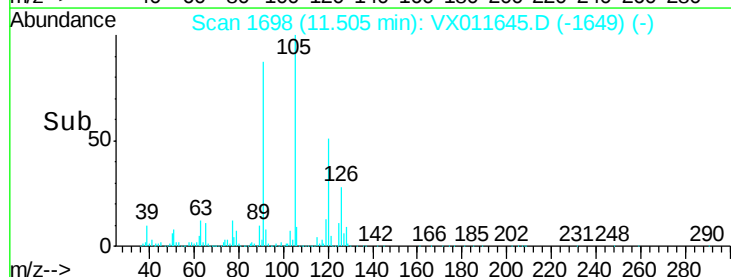
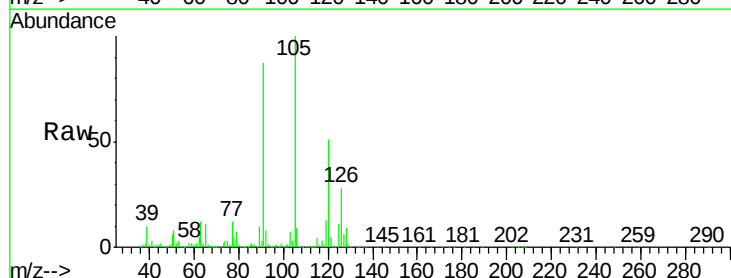
Acq: 19 Aug 2019 20:47

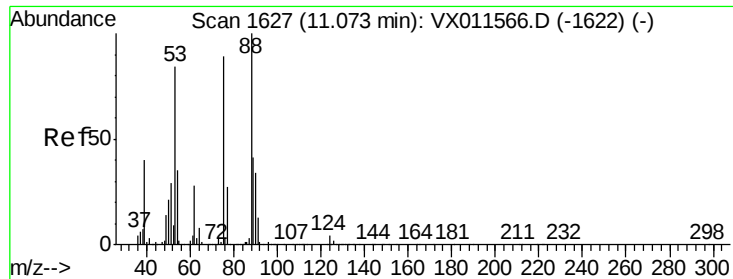
Tgt Ion: 105 Resp: 720091

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8





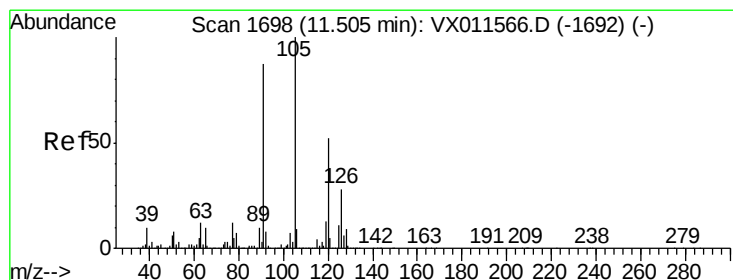
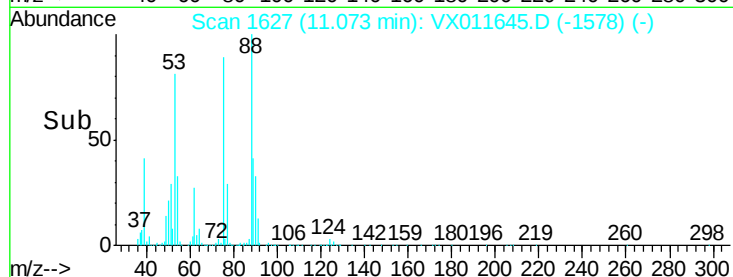
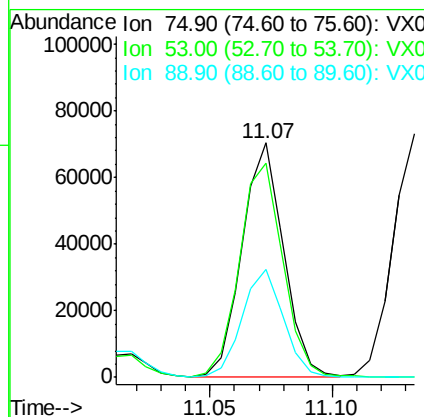
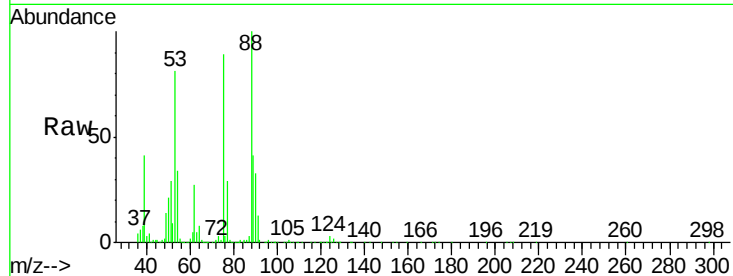
#81
trans-1,4-Dichloro-2-butene
Concen: 51.097 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	77.4	116.0
89	46.5	37.3	55.9

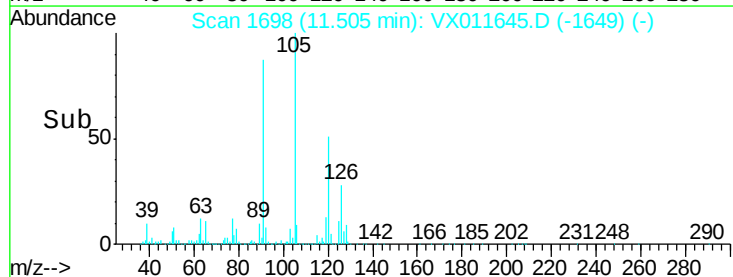
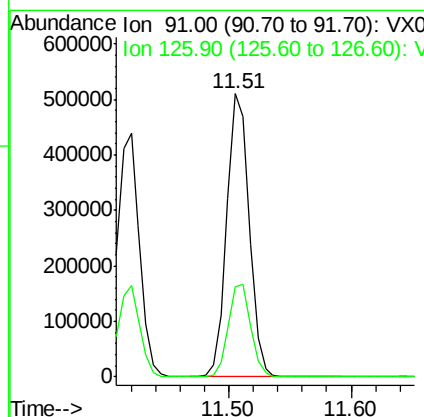
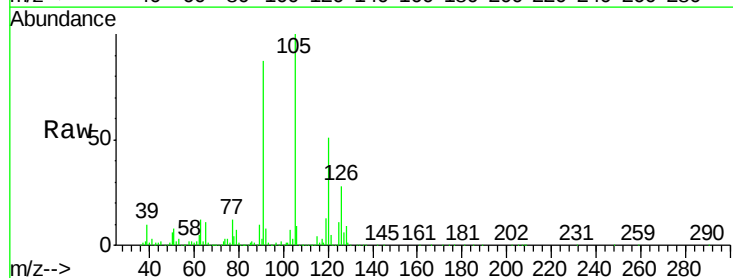
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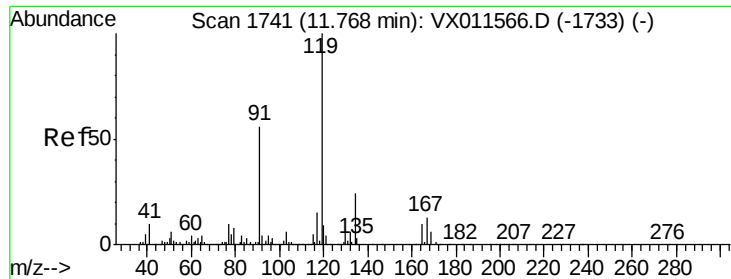
MMDadoda
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#82
4-Chlorotoluene
Concen: 56.261 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1





#83

tert-Butylbenzene

Concen: 55.652 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

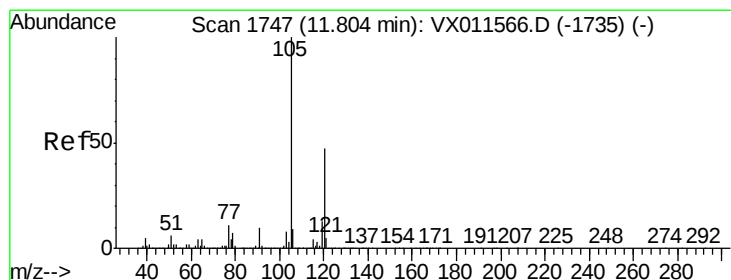
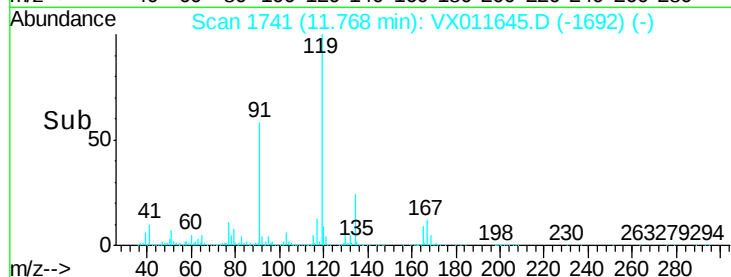
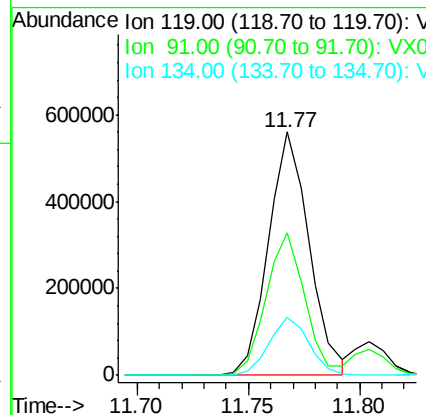
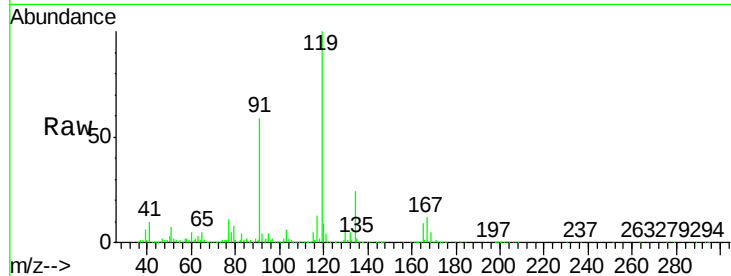
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	711947
Ion Ratio	Lower	Upper	
119	100		
91	56.5	27.1	81.3
134	23.5	11.8	35.3

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#84

1,2,4-Trimethylbenzene

Concen: 57.716 ug/l

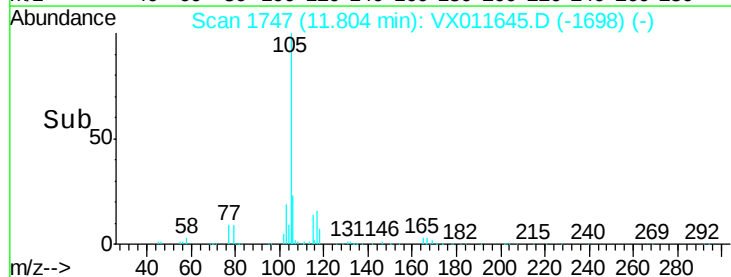
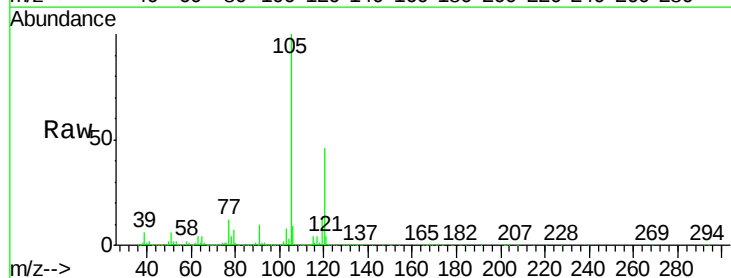
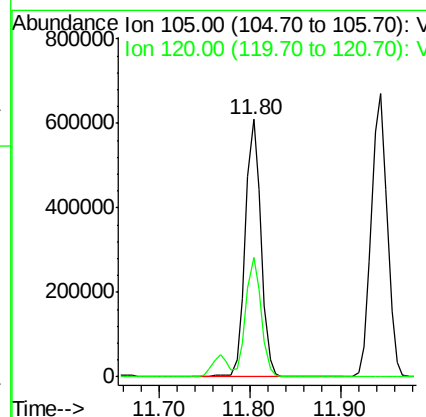
RT: 11.80 min Scan# 1747

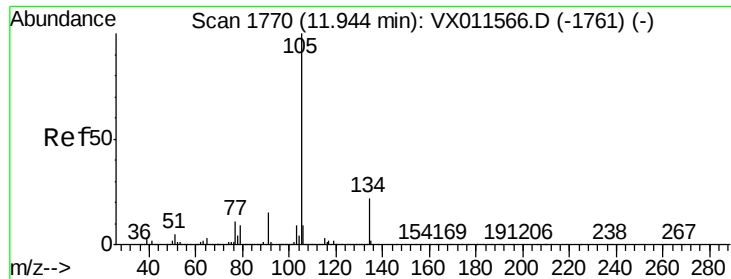
Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion:	105	Resp:	727790
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.3	69.9





#85

sec-Butylbenzene

Concen: 56.877 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 820917

Ion Ratio Lower Upper

105 100

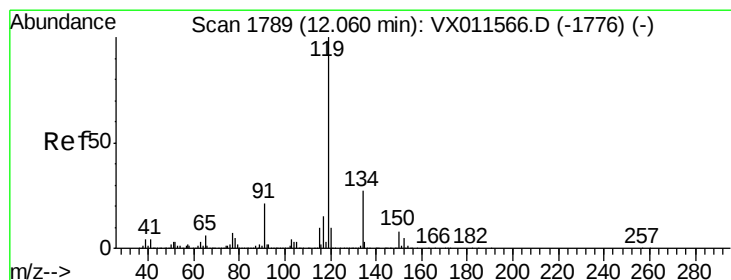
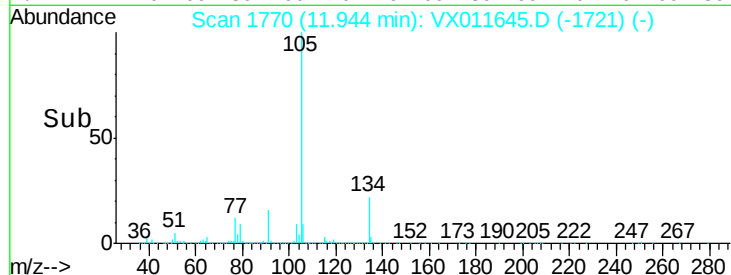
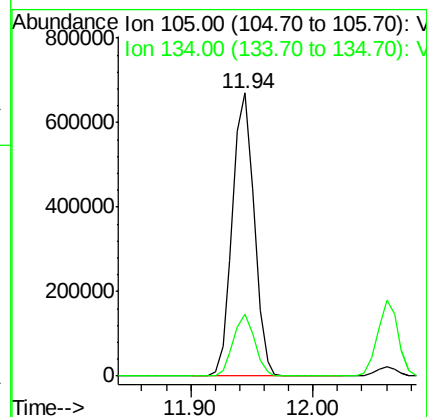
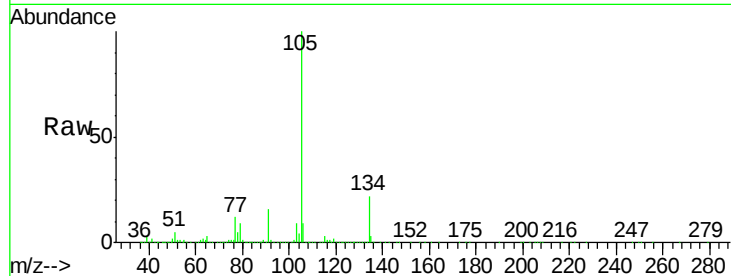
134 21.6 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 56.415 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

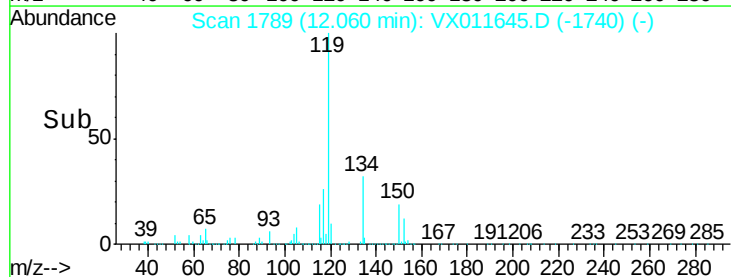
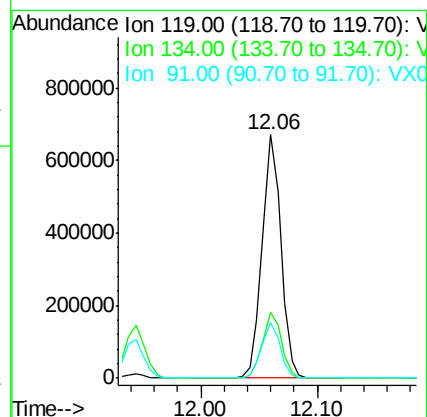
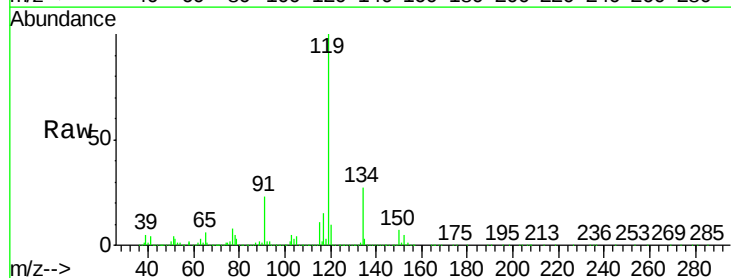
Tgt Ion:119 Resp: 766031

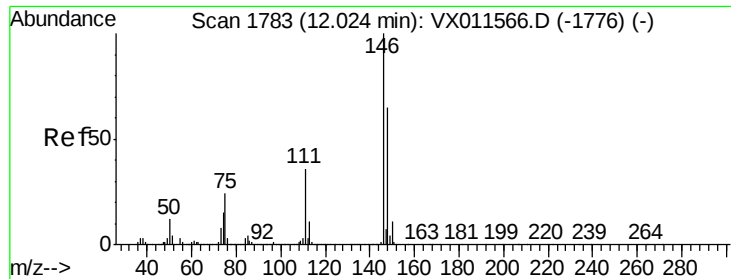
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 22.8 10.9 32.9





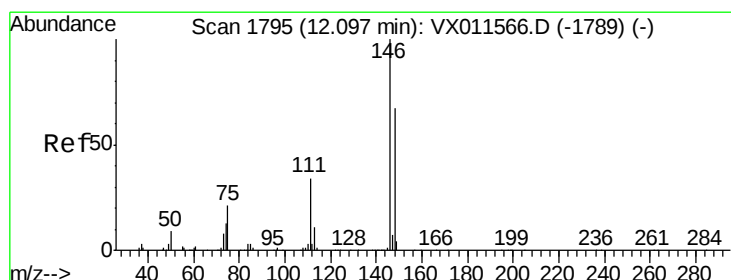
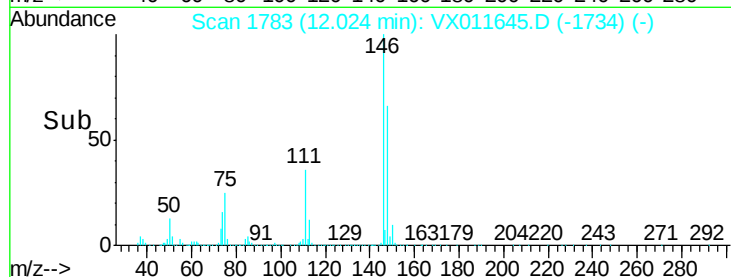
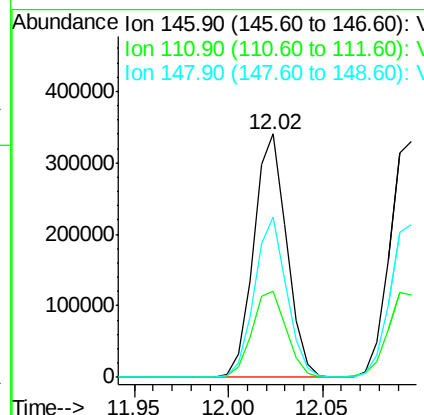
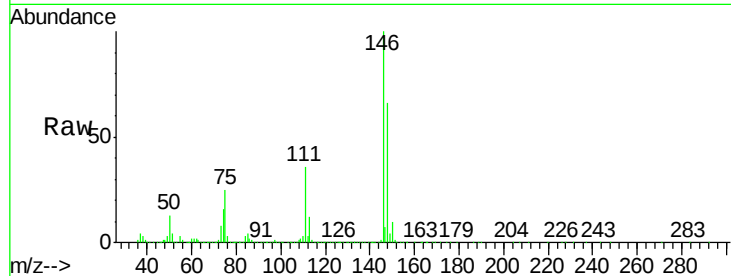
#87
 1,3-Dichlorobenzene
 Concen: 53.930 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	64.2	32.0	96.0

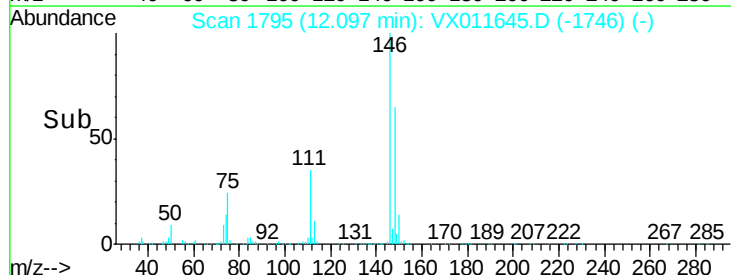
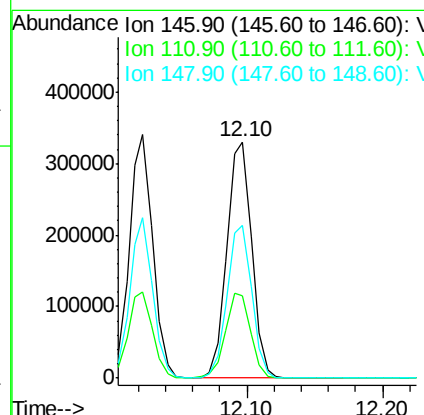
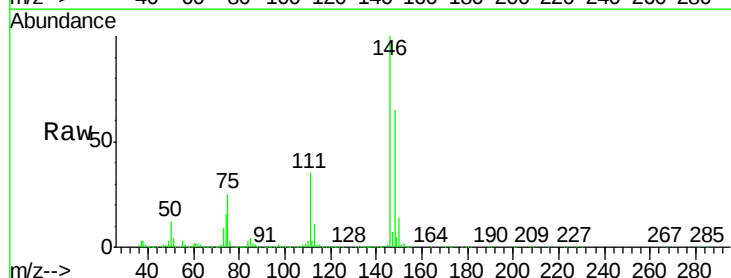
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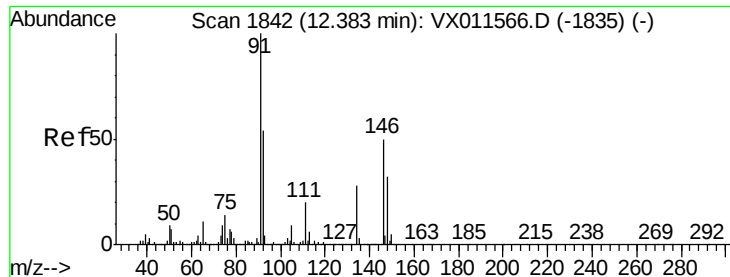
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#88
 1,4-Dichlorobenzene
 Concen: 53.740 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.9	53.7
148	64.4	32.5	97.5





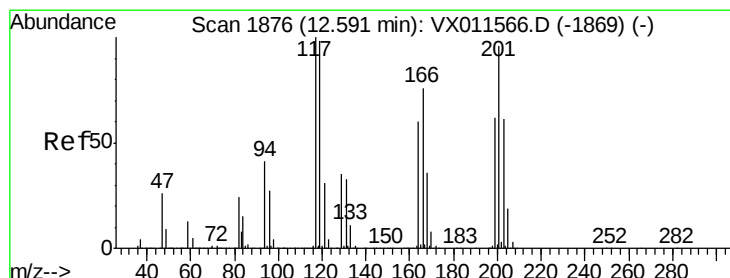
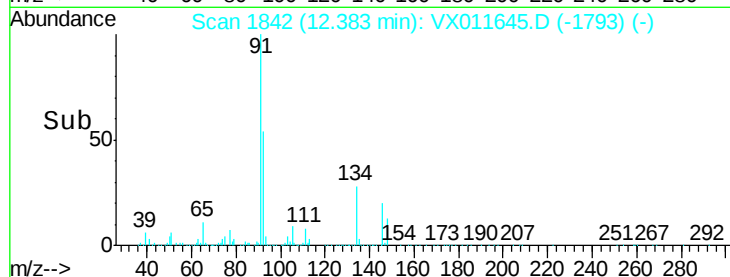
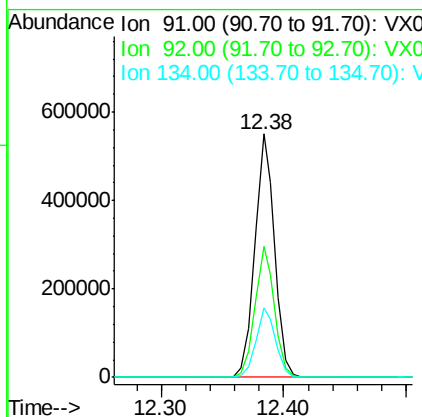
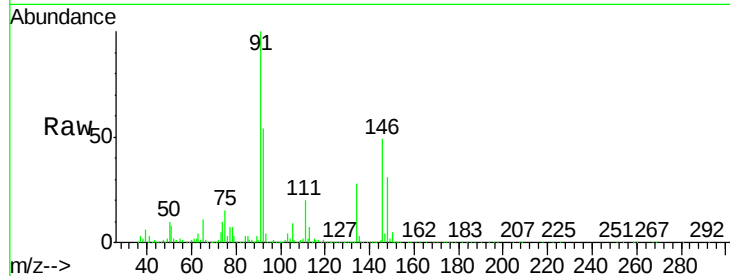
#89
n-Butylbenzene
Concen: 55.721 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	91	Resp:	622034
Ion Ratio	Lower	Upper	
91	100		
92	53.4	26.8	80.3
134	28.6	14.6	44.0

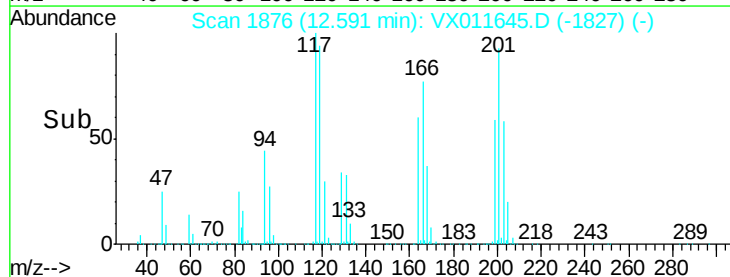
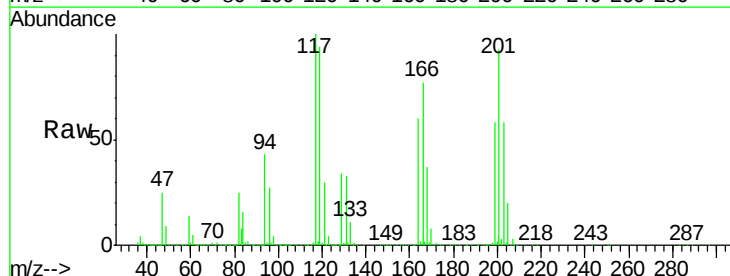
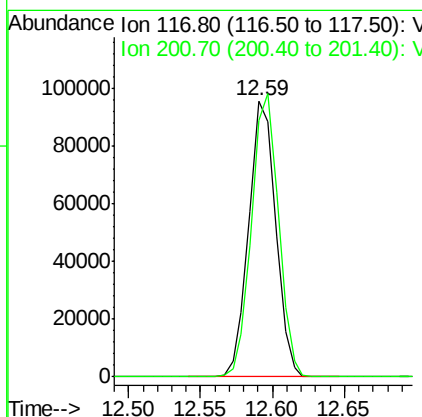
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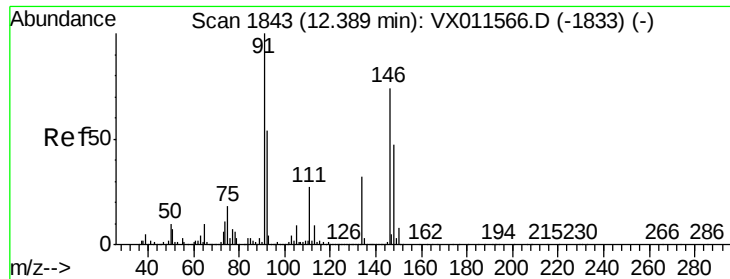
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#90
Hexachloroethane
Concen: 57.818 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011645.D
Acq: 19 Aug 2019 20:47

Tgt Ion:	117	Resp:	123975
Ion Ratio	Lower	Upper	
117	100		
201	101.9	51.9	155.7





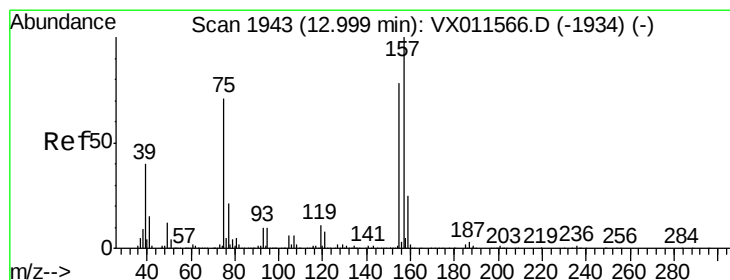
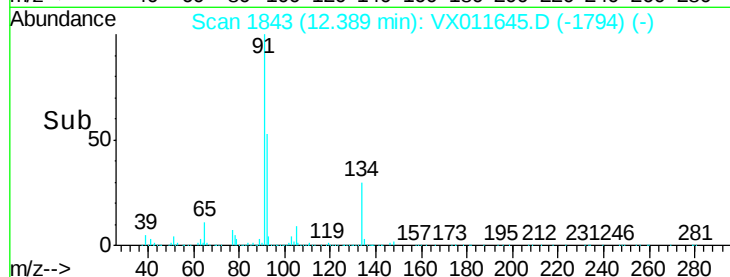
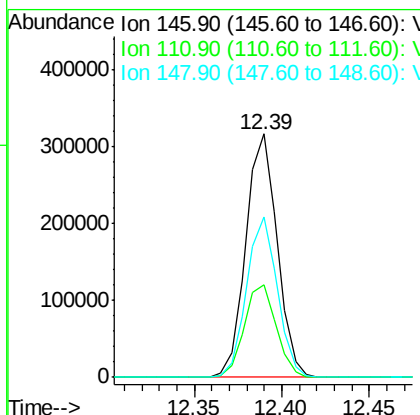
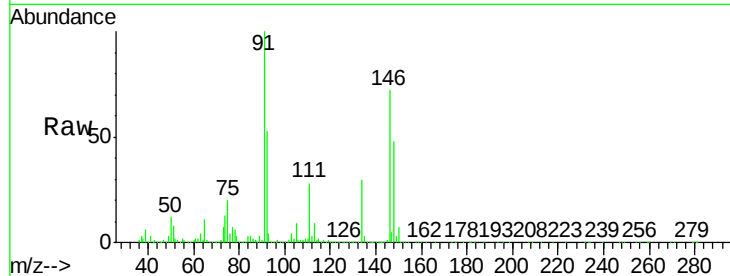
#91
 1,2-Dichlorobenzene
 Concen: 51.443 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.9	56.7
148	64.7	31.9	95.9

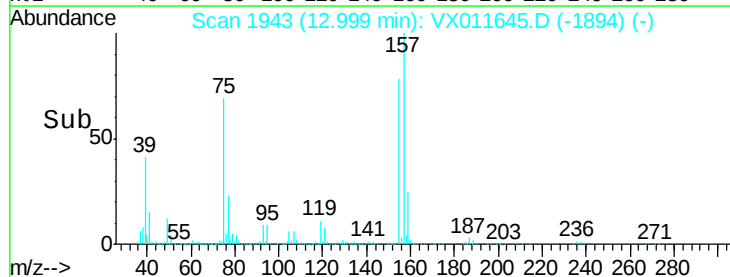
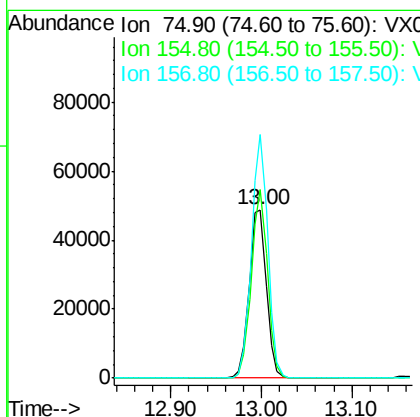
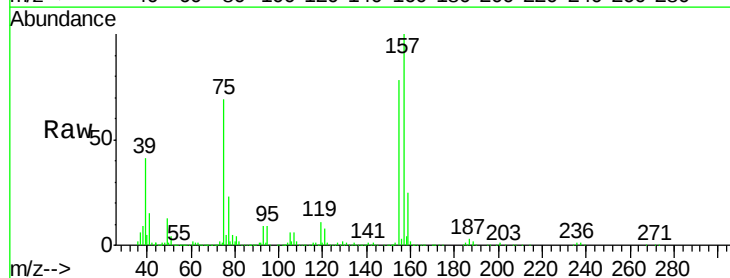
Manual Integrations
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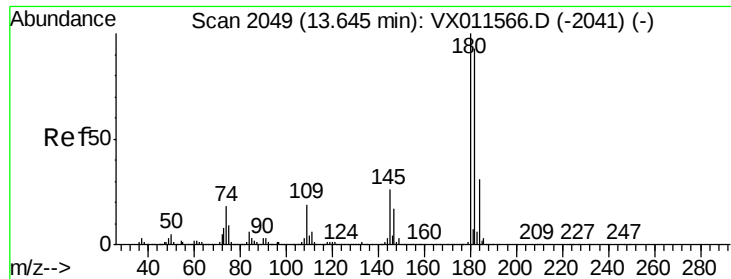
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 8/20/2019 3:40:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.991 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.7	53.0	159.0
157	135.8	68.3	205.1





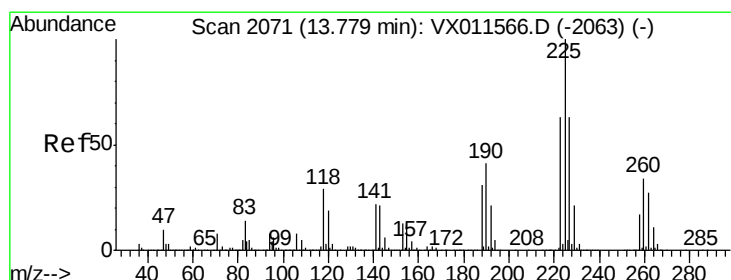
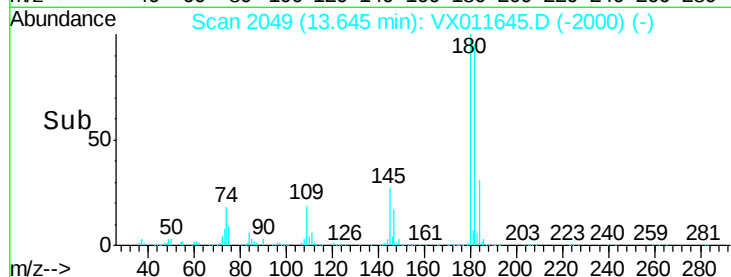
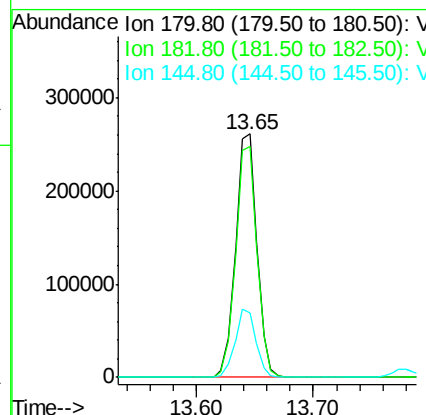
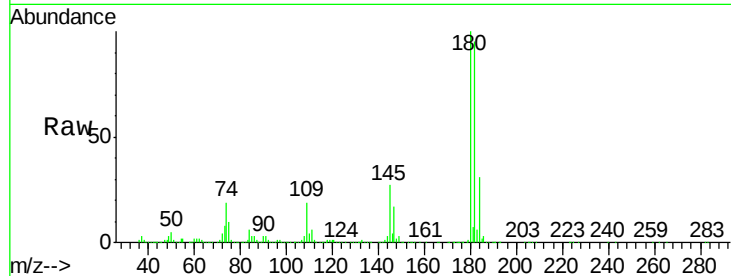
#93
 1,2,4-Trichlorobenzene
 Concen: 58.151 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	332581		
182	95.3	47.3	142.0	
145	27.2	13.6	40.8	

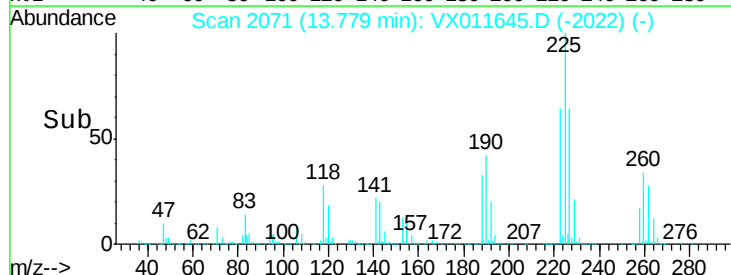
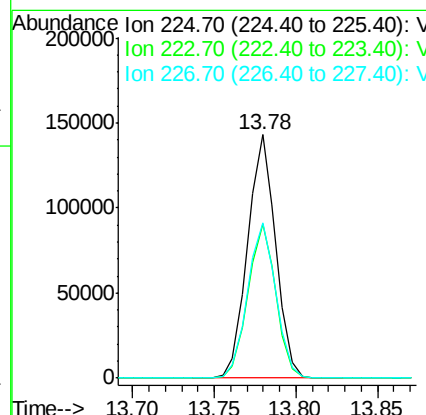
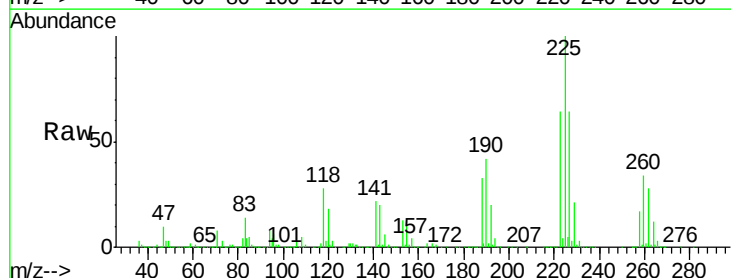
Manual Integrations
 APPROVED

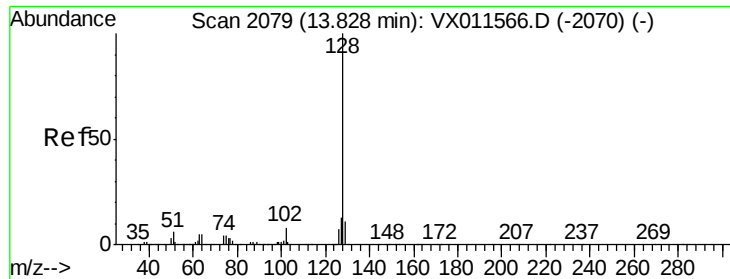
MMDadoda
 8/20/2019 3:40:45 PM



#94
 Hexachlorobutadiene
 Concen: 55.045 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011645.D
 Acq: 19 Aug 2019 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	171423		
223	63.1	31.4	94.0	
227	64.6	31.2	93.6	





#95

Naphthalene

Concen: 60.299 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Instrument :

MSVOA_X

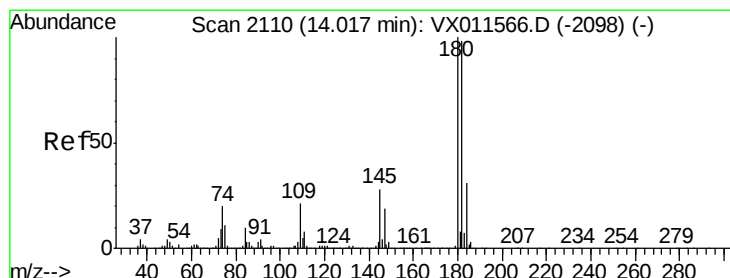
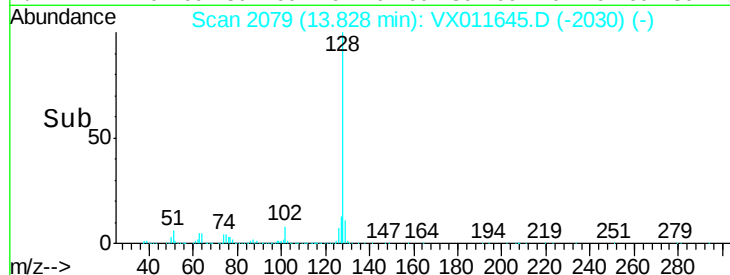
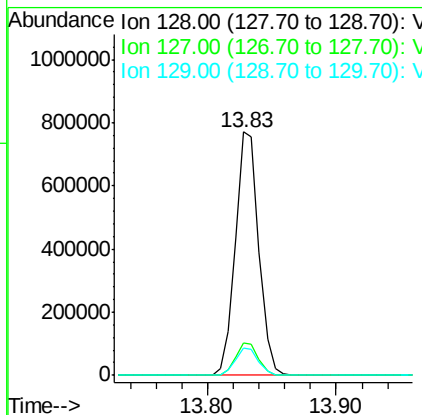
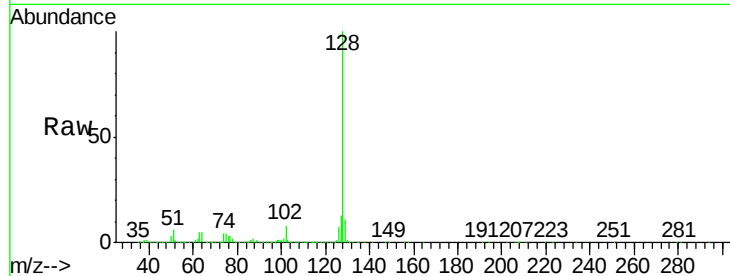
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	974958
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:40:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 58.748 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011645.D

Acq: 19 Aug 2019 20:47

Tgt Ion:	180	Resp:	338893
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.0
145	29.5	14.6	43.8

