

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021819\
 Data File : VX007577.D
 Acq On : 18 Feb 2019 09:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 11:01:07 AM

Quant Time: Feb 19 04:26:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	513182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	733647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	653864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	351660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	251805	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
35) Dibromofluoromethane	5.50	113	233587	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.71	98	843809	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	11.13	95	306453	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	285806	45.338	ug/l	100
3) Chloromethane	1.33	50	244736	42.340	ug/l	99
4) Vinyl Chloride	1.41	62	274433	48.396	ug/l	98
5) Bromomethane	1.64	94	261571	46.618	ug/l	97
6) Chloroethane	1.71	64	173941	47.418	ug/l	99
7) Trichlorofluoromethane	1.93	101	442205	49.850	ug/l	99
8) Diethyl Ether	2.19	74	159729	47.840	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	263921	50.017	ug/l	98
10) Methyl Iodide	2.51	142	330123	42.530	ug/l	100
11) Tert butyl alcohol	3.07	59	281437	249.664	ug/l	99
12) 1,1-Dichloroethene	2.37	96	229643	46.867	ug/l	98
13) Acrolein	2.29	56	182042	344.383	ug/l	99
14) Allyl chloride	2.73	41	410265	51.388	ug/l	99
15) Acrylonitrile	3.15	53	694907	249.194	ug/l	100
16) Acetone	2.45	43	731471	293.159	ug/l	99
17) Carbon Disulfide	2.57	76	556535	43.715	ug/l	99
18) Methyl Acetate	2.78	43	392636	60.272	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	804732	50.695	ug/l	100
20) Methylene Chloride	2.86	84	251029	49.249	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	240204	46.020	ug/l	98
22) Diisopropyl ether	3.87	45	787761	53.642	ug/l	97
23) Vinyl Acetate	3.82	43	3410006	279.822	ug/l	99
24) 1,1-Dichloroethane	3.70	63	446506	52.944	ug/l	99
25) 2-Butanone	4.70	43	963346	271.298	ug/l	99
26) 2,2-Dichloropropane	4.59	77	357505	55.664	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	274821	48.205	ug/l	99
28) Bromochloromethane	5.02	49	195885	50.508	ug/l	98
29) Tetrahydrofuran	5.15	42	591418	264.823	ug/l	100
30) Chloroform	5.21	83	452354	51.402	ug/l	100
31) Cyclohexane	5.57	56	364190	48.081	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	388752	52.334	ug/l	98
36) 1,1-Dichloropropene	5.80	75	321816	48.889	ug/l	100
37) Ethyl Acetate	4.85	43	344215	51.729	ug/l	100
38) Carbon Tetrachloride	5.78	117	354578	55.523	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	405540	50.920	ug/l	97
40) Benzene	6.14	78	976332	50.352	ug/l	99
41) Methacrylonitrile	5.06	41	195414	54.795	ug/l	99
42) 1,2-Dichloroethane	6.20	62	336554	50.165	ug/l	99
43) Isopropyl Acetate	6.46	43	568164	55.318	ug/l	99
44) Trichloroethene	7.21	130	289579	49.586	ug/l	98
45) 1,2-Dichloropropane	7.51	63	254480	52.381	ug/l	99
46) Dibromomethane	7.66	93	175259	49.634	ug/l	99
47) Bromodichloromethane	7.90	83	335141	56.004	ug/l	99
48) Methyl methacrylate	7.77	41	285179	55.510	ug/l	100
49) 1,4-Dioxane	7.75	88	114919	983.720	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1797513	265.853	ug/l	100
52) Toluene	8.78	92	622285	49.741	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	375528	58.421	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	404578	57.234	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	269176	51.617	ug/l	98
56) Ethyl methacrylate	9.18	69	388086	53.732	ug/l	99
57) 1,3-Dichloropropane	9.37	76	423897	51.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1274566	334.801	ug/l	99
59) 2-Hexanone	9.49	43	1406861	267.391	ug/l	99
60) Dibromochloromethane	9.58	129	294202	59.651	ug/l	98
61) 1,2-Dibromoethane	9.67	107	284287	51.477	ug/l	99
64) Tetrachloroethene	9.34	164	300324	48.731	ug/l	98
65) Chlorobenzene	10.13	112	726341	50.905	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	277365	57.980	ug/l	99
67) Ethyl Benzene	10.25	91	1215944	52.918	ug/l	100
68) m/p-Xylenes	10.36	106	953466	104.387	ug/l	100
69) o-Xylene	10.69	106	464442	52.843	ug/l	99
70) Styrene	10.71	104	756408	53.066	ug/l	100
71) Bromoform	10.85	173	226472	53.656	ug/l #	99
73) Isopropylbenzene	11.02	105	1275068	53.356	ug/l	100
74) N-amyl acetate	10.90	43	497592	53.834	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	387172	53.162	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	375076m	54.834	ug/l	
77) Bromobenzene	11.26	156	337084	50.063	ug/l	99
78) n-propylbenzene	11.36	91	1438607	54.899	ug/l	99
79) 2-Chlorotoluene	11.42	91	821241	51.649	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1045964	53.500	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	125463	56.127	ug/l	93
82) 4-Chlorotoluene	11.51	91	974068	52.943	ug/l	100
83) tert-Butylbenzene	11.77	119	1048391	54.162	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1060574	53.433	ug/l	100
85) sec-Butylbenzene	11.94	105	1291038	55.108	ug/l	100
86) p-Isopropyltoluene	12.06	119	1160877	54.893	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	612282	50.670	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	615274	50.187	ug/l	99
89) n-Butylbenzene	12.39	91	1028772	56.550	ug/l	100
90) Hexachloroethane	12.60	117	196120	61.964	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	609645	50.695	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	84879	56.050	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	437281	53.919	ug/l	99
94) Hexachlorobutadiene	13.78	225	214761	54.536	ug/l	99
95) Naphthalene	13.83	128	1285654	54.210	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	431566	52.866	ug/l	98

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

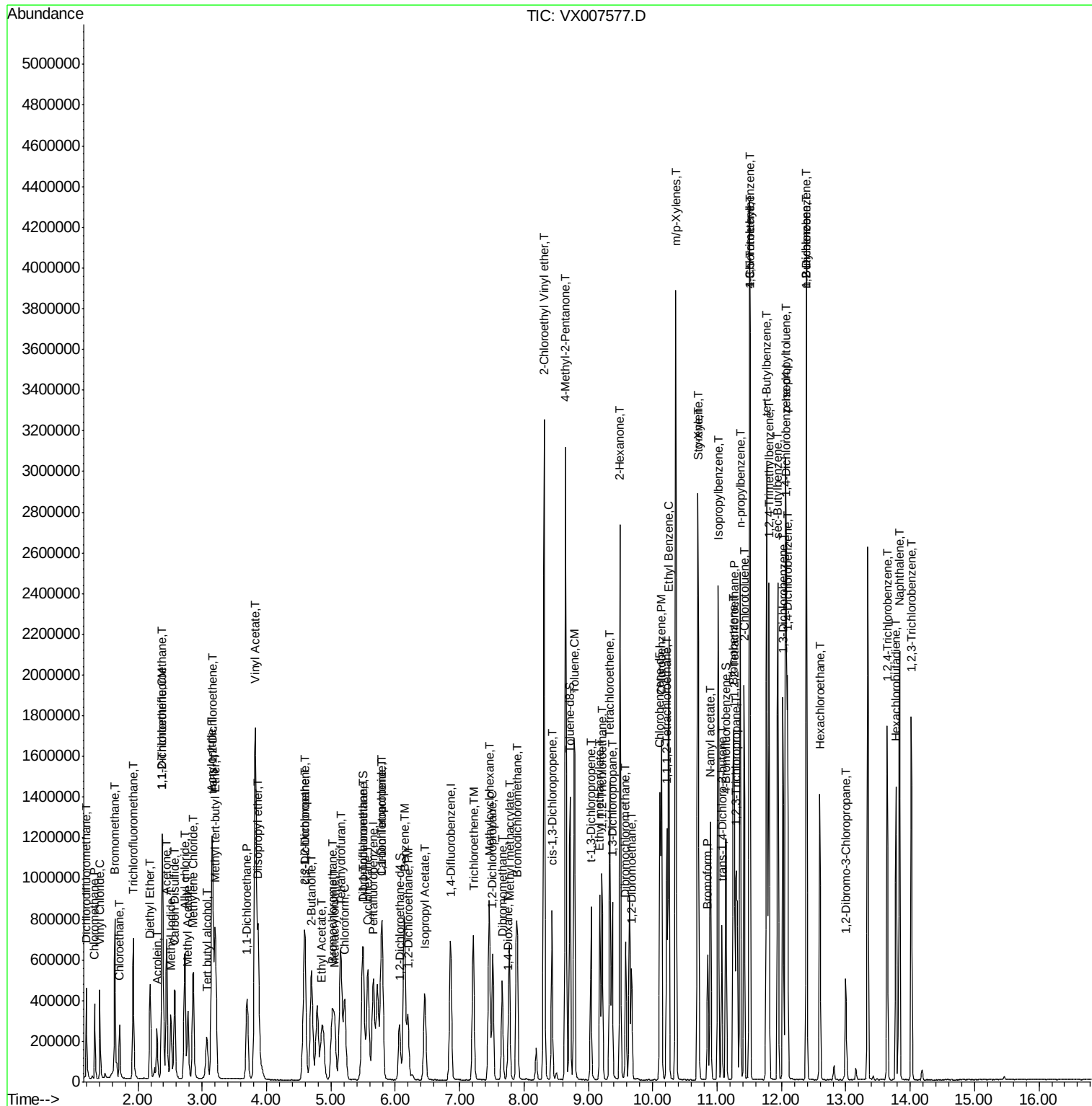
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021819\
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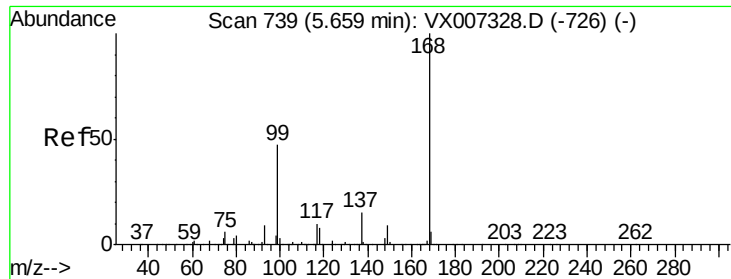
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 513182

Ion Ratio Lower Upper

168 100

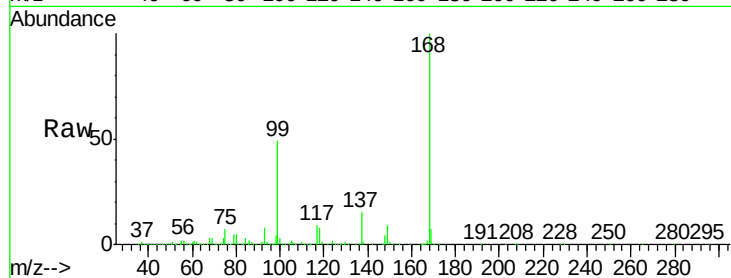
99 48.9 37.9 56.9

Manual Integrations

APPROVED

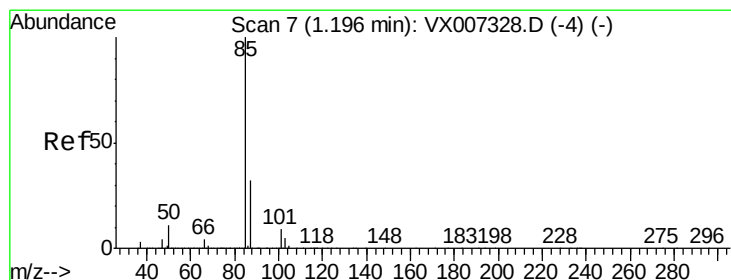
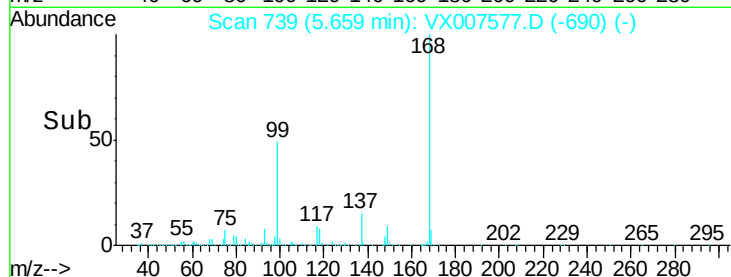
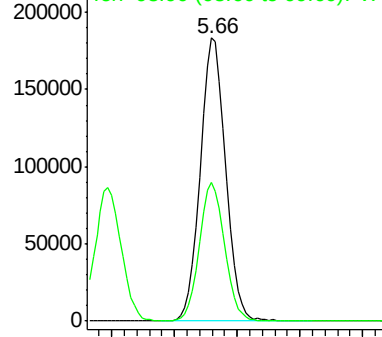
MMDadoda

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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: 45.338 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007577.D

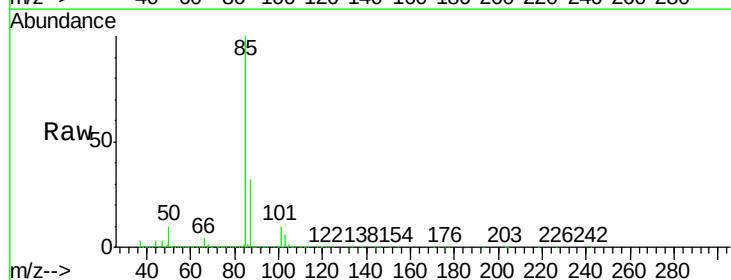
Acq: 18 Feb 2019 09:49

Tgt Ion: 85 Resp: 285806

Ion Ratio Lower Upper

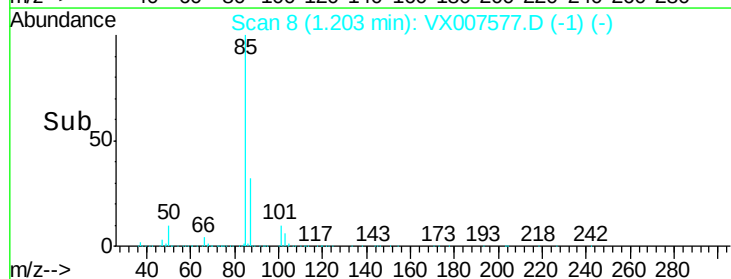
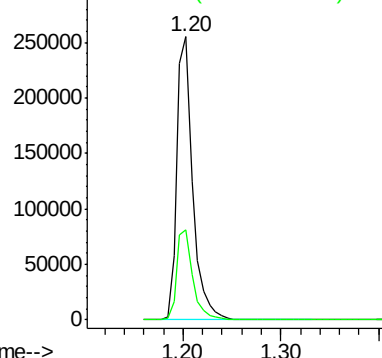
85 100

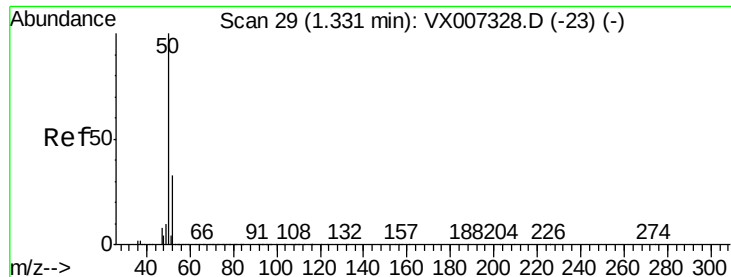
87 31.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 42.340 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 244736

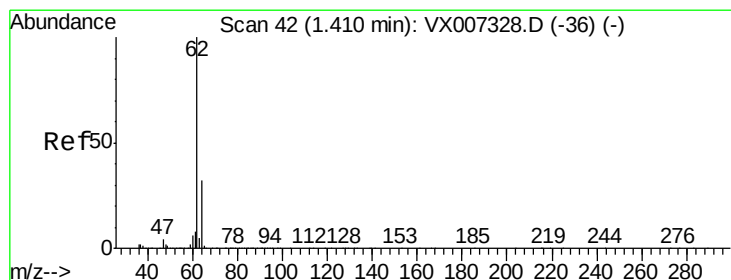
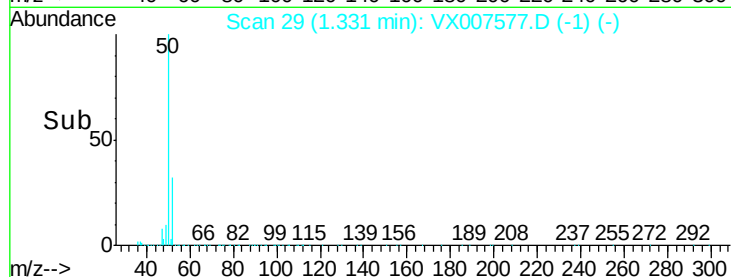
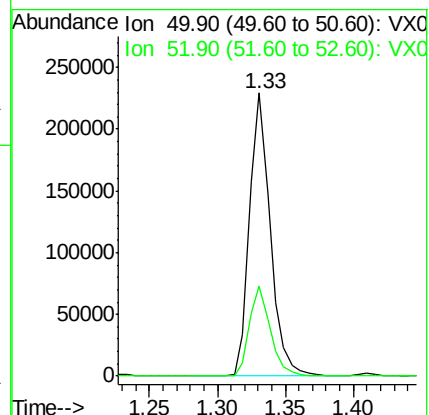
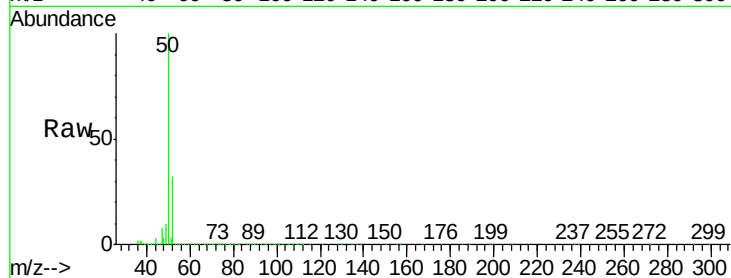
Ion Ratio Lower Upper

50 100

52 31.8 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.396 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007577.D

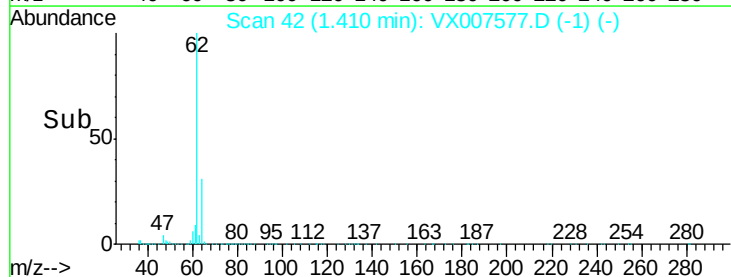
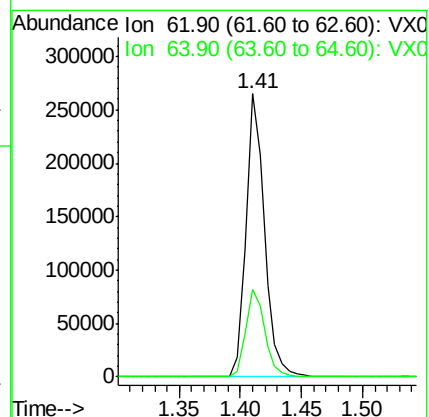
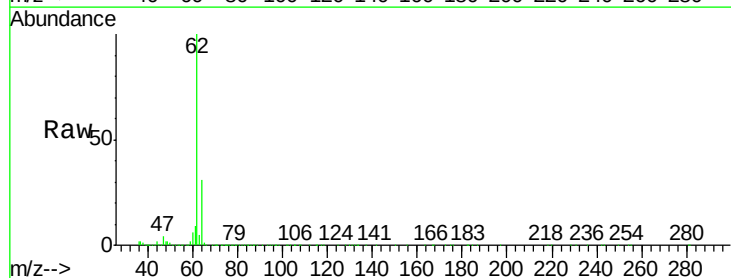
Acq: 18 Feb 2019 09:49

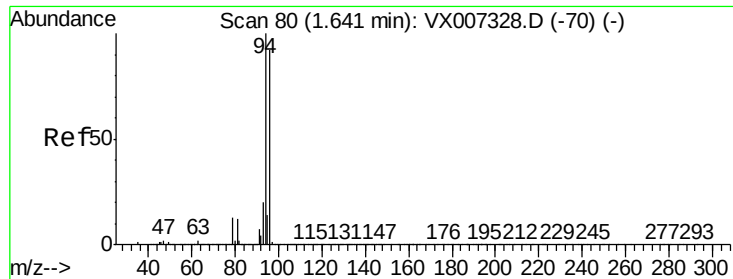
Tgt Ion: 62 Resp: 274433

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.0





#5

Bromomethane

Concen: 46.618 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 261571

Ion Ratio Lower Upper

94 100

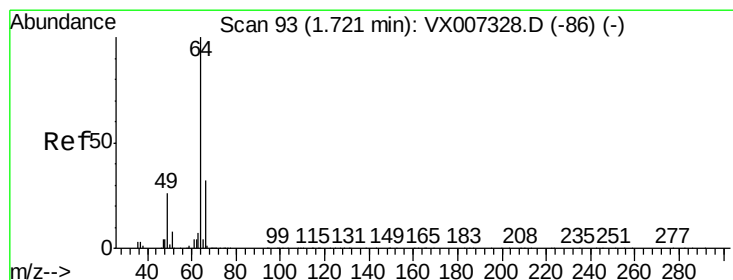
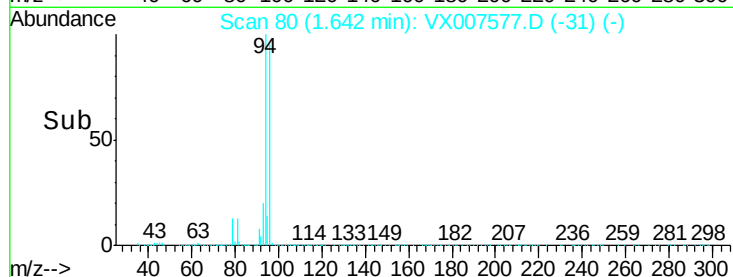
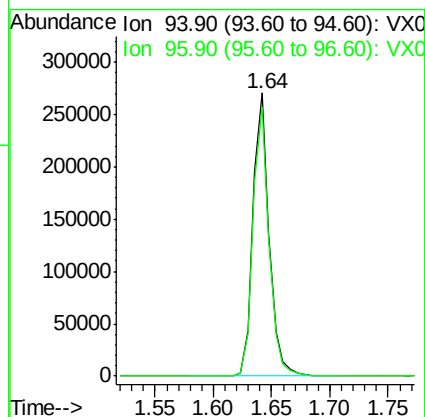
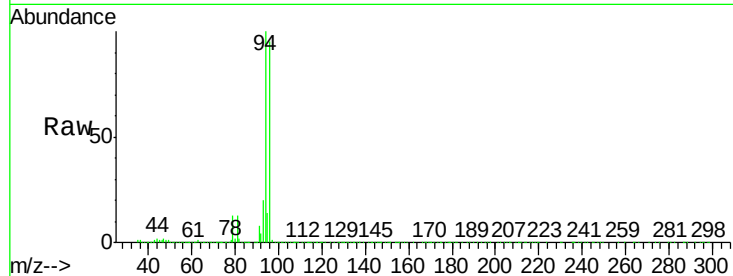
96 95.2 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 47.418 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007577.D

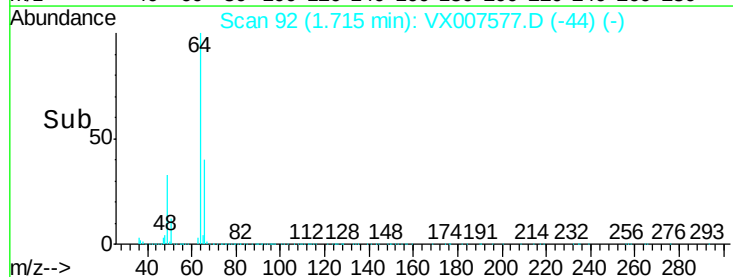
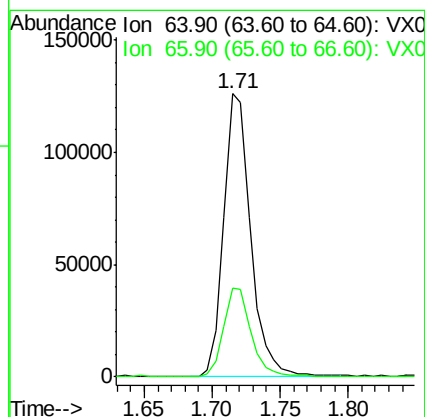
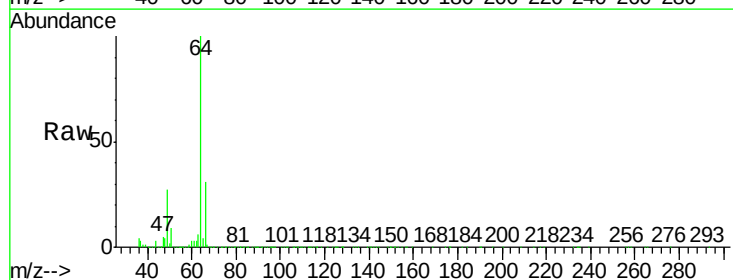
Acq: 18 Feb 2019 09:49

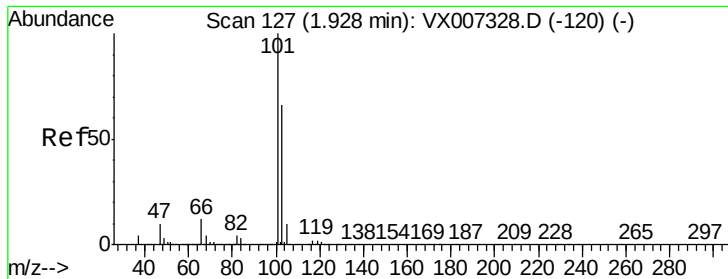
Tgt Ion: 64 Resp: 173941

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





#7

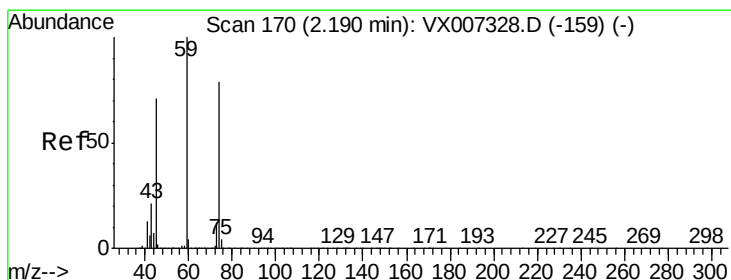
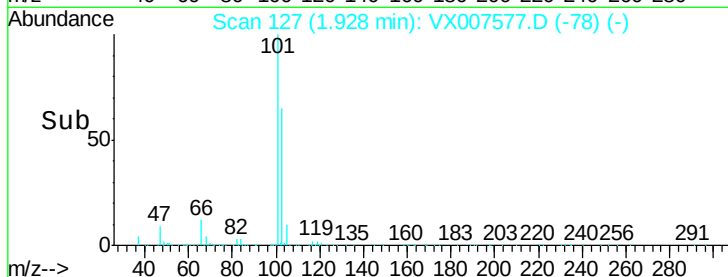
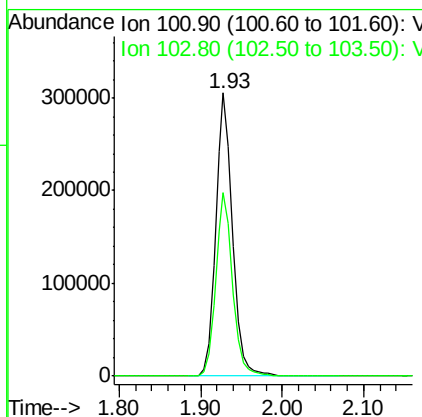
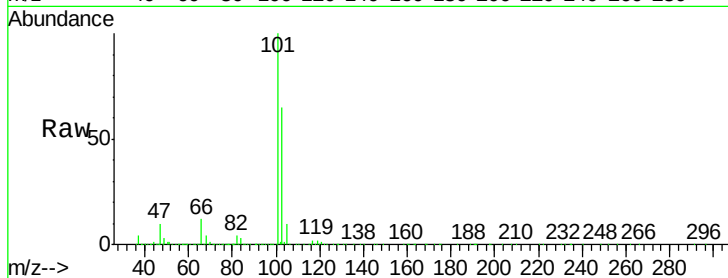
Trichlorofluoromethane
Concen: 49.850 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	64.7	52.6	79.0	

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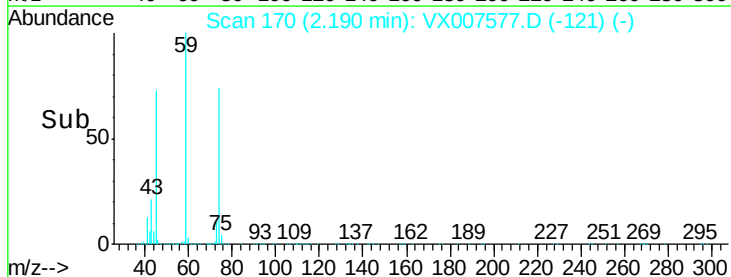
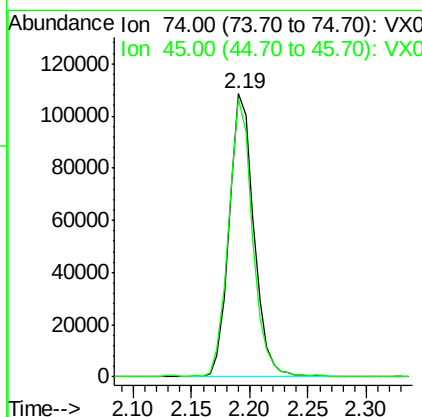
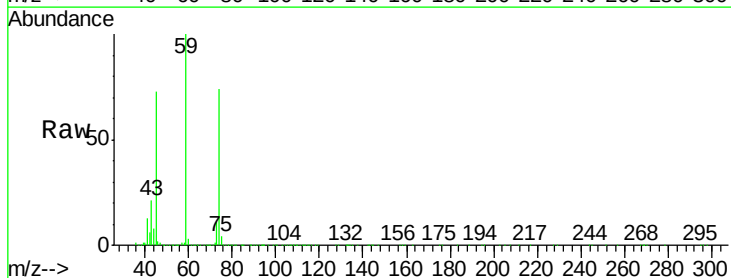
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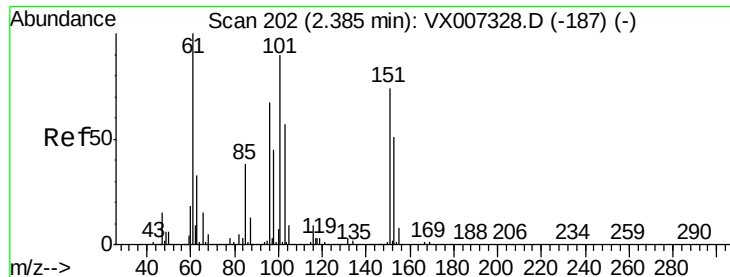


#8

Diethyl Ether
Concen: 47.840 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	95.5	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.017 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

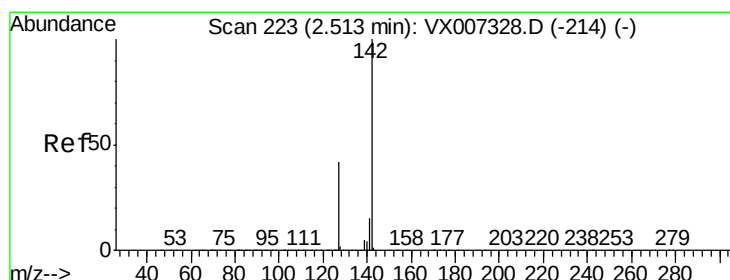
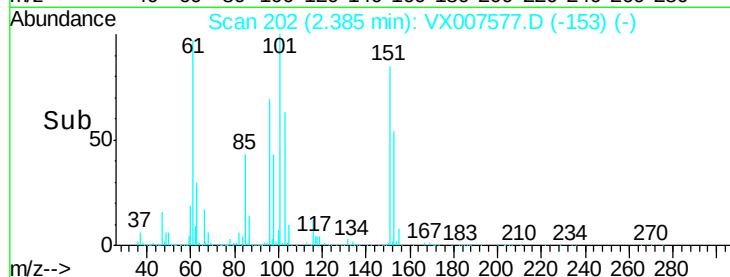
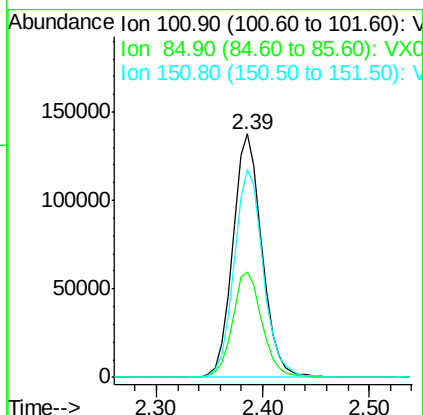
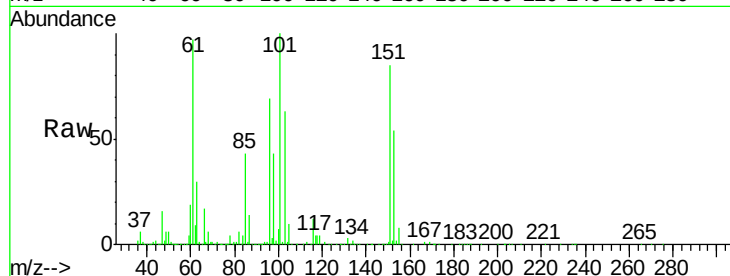
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	263921
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.1	51.1
151	86.0	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 42.530 ug/l

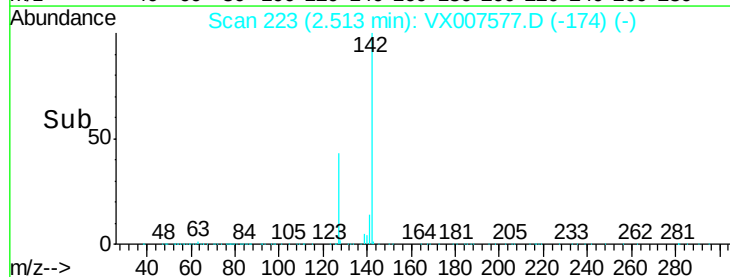
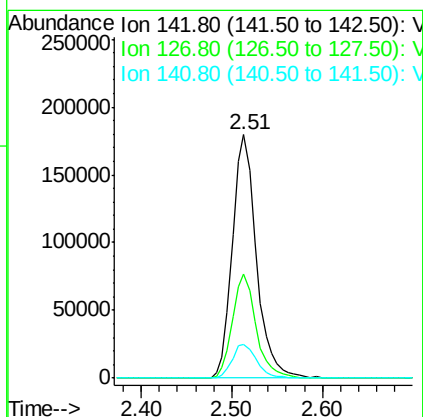
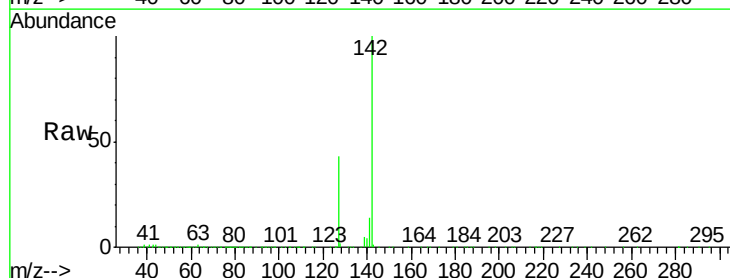
RT: 2.51 min Scan# 223

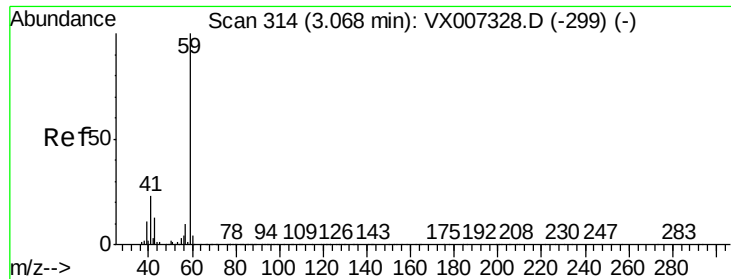
Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion:	142	Resp:	330123
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.7	50.5
141	14.4	11.3	16.9





#11

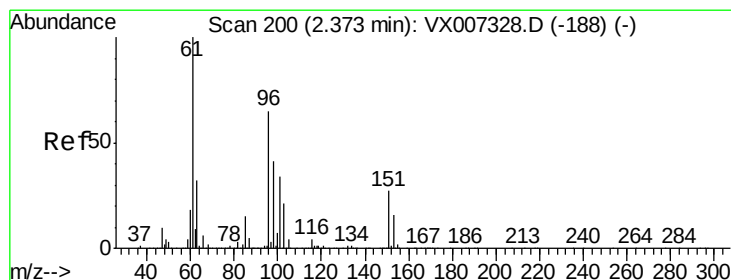
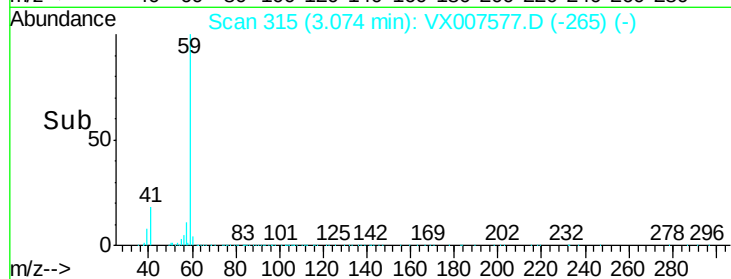
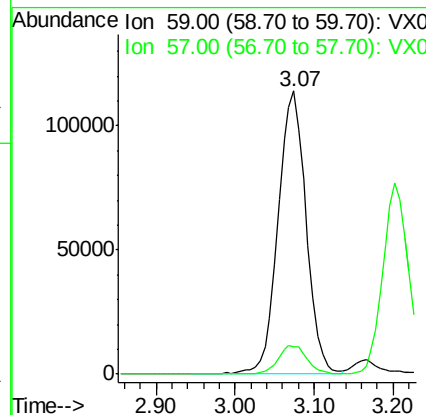
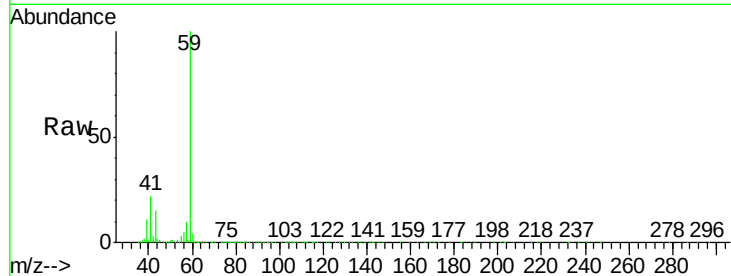
Tert butyl alcohol
Concen: 249.664 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

Manual Integrations
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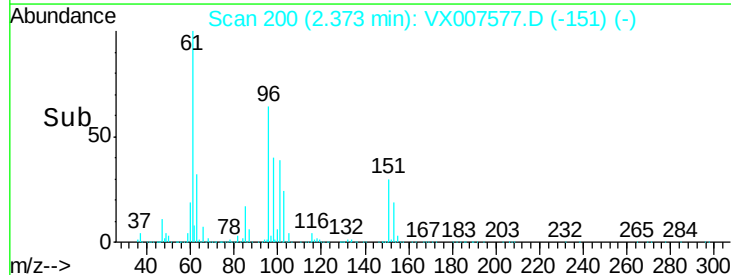
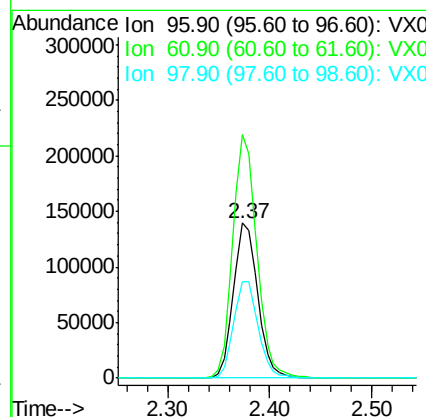
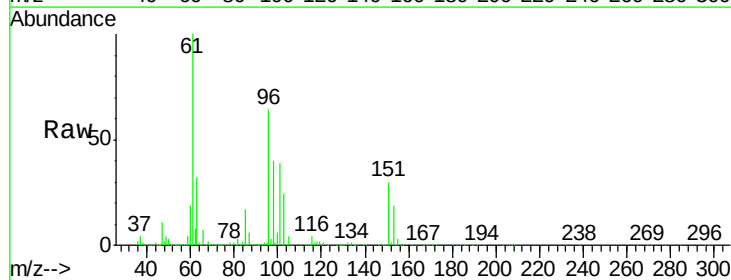
MMDadoda
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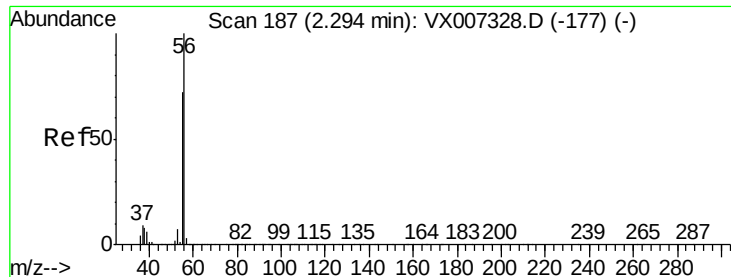


#12

1,1-Dichloroethene
Concen: 46.867 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	123.0	184.4
98	62.1	50.9	76.3





#13

Acrolein

Concen: 344.383 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 182042

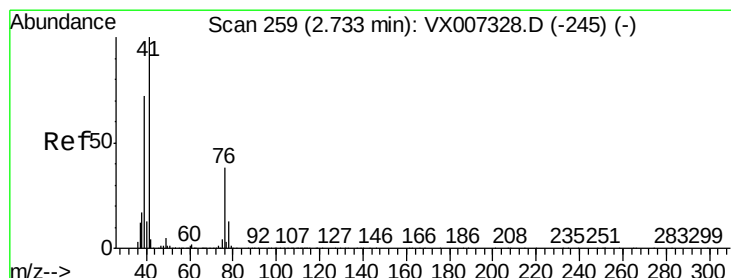
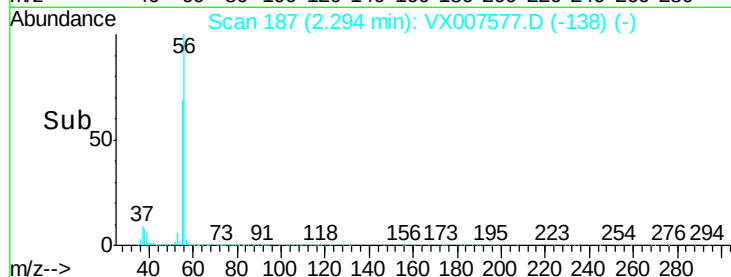
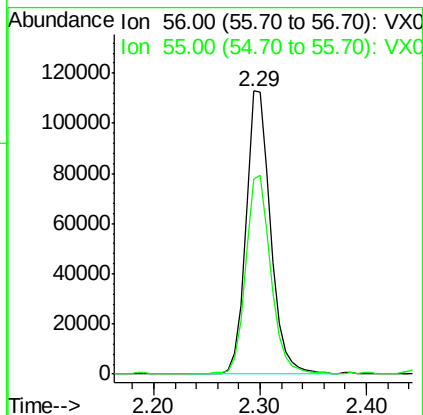
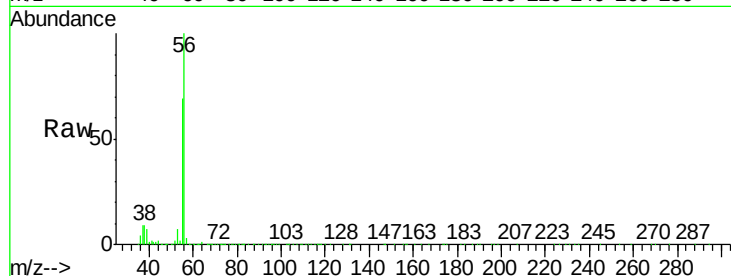
Ion Ratio Lower Upper

56 100

55 71.7 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 51.388 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

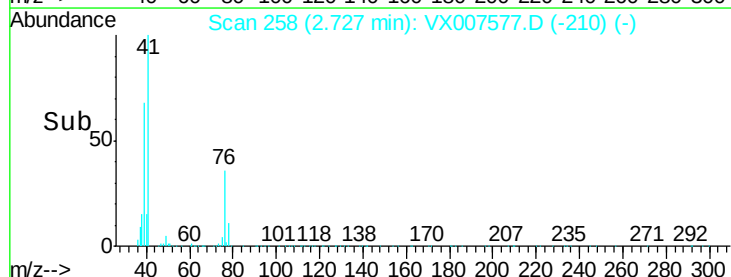
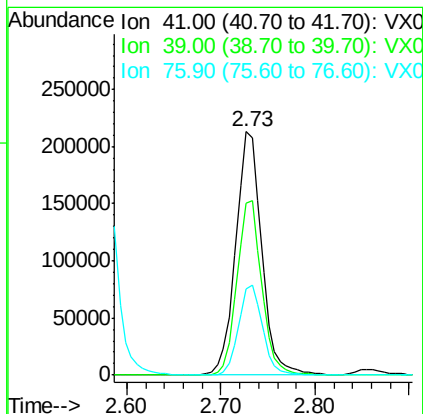
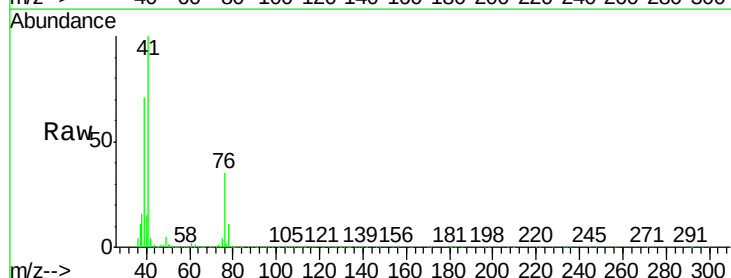
Tgt Ion: 41 Resp: 410265

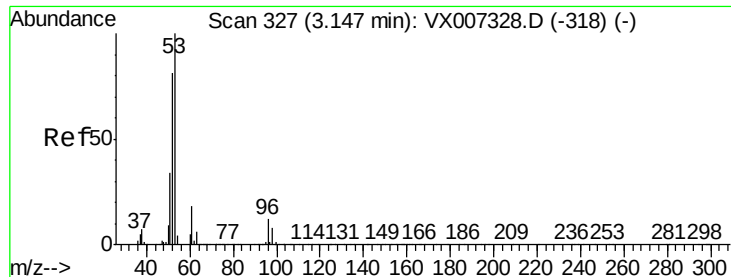
Ion Ratio Lower Upper

41 100

39 67.7 54.1 81.1

76 33.8 27.8 41.8





#15

Acrylonitrile

Concen: 249.194 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

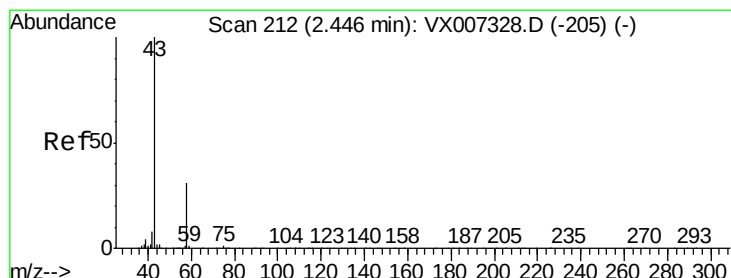
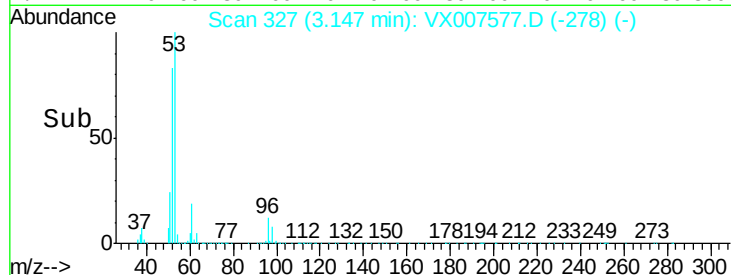
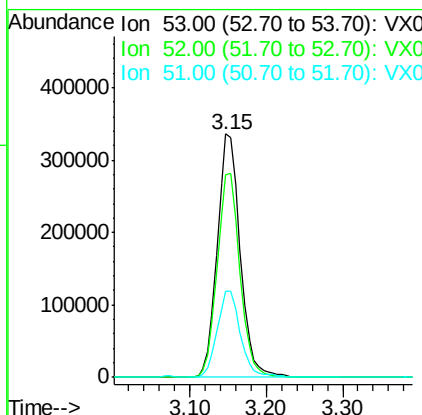
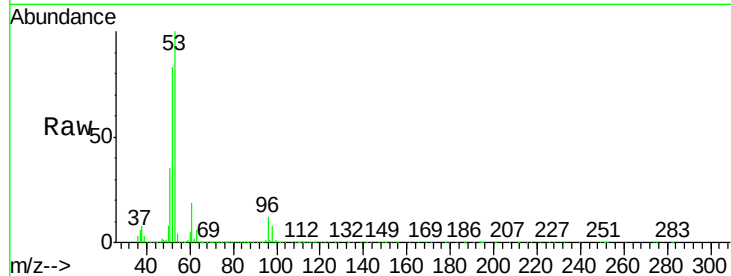
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	694907
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.4	99.6
51	35.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 293.159 ug/l

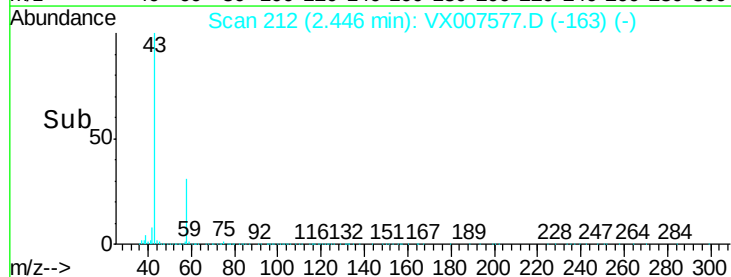
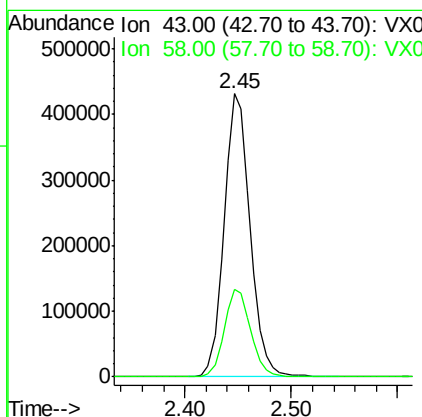
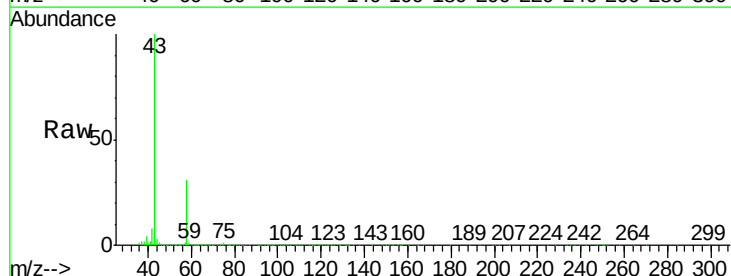
RT: 2.45 min Scan# 212

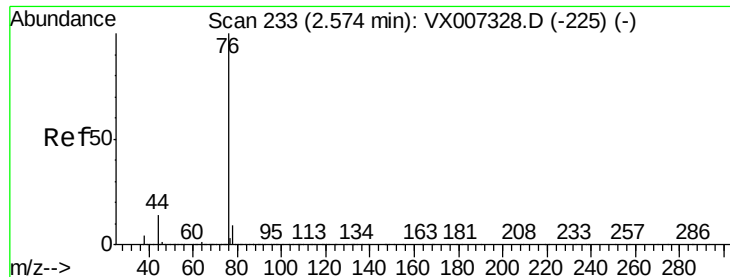
Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion:	43	Resp:	731471
Ion Ratio		Lower	Upper
43	100		
58	30.8	24.9	37.3





#17

Carbon Disulfide

Concen: 43.715 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 556535

Ion Ratio Lower Upper

76 100

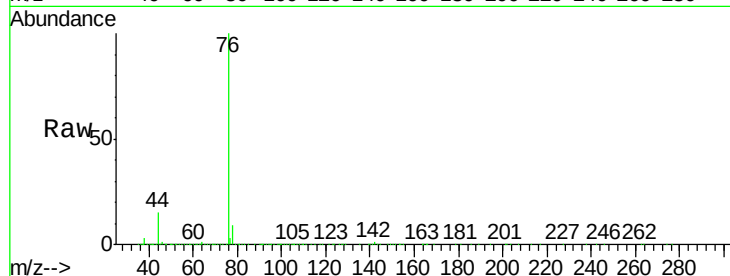
78 9.4 7.1 10.7

Manual Integrations

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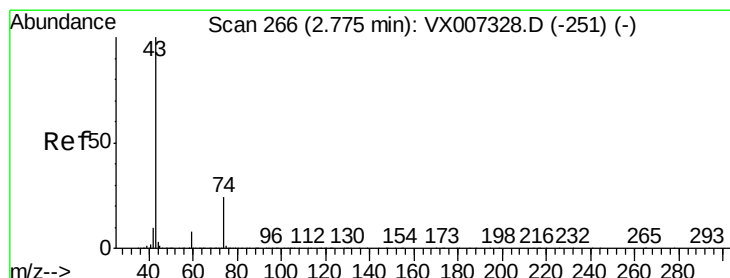
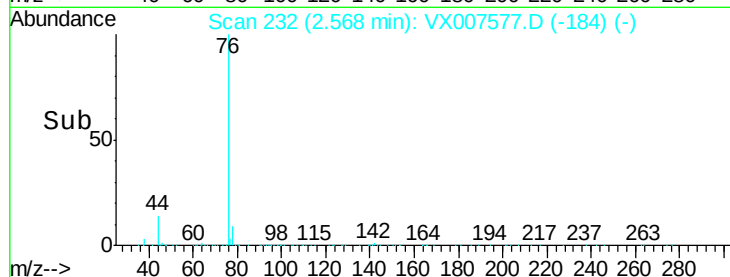
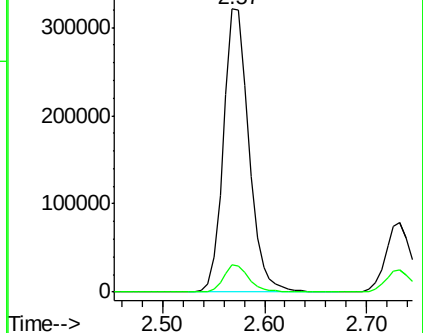
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 60.272 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007577.D

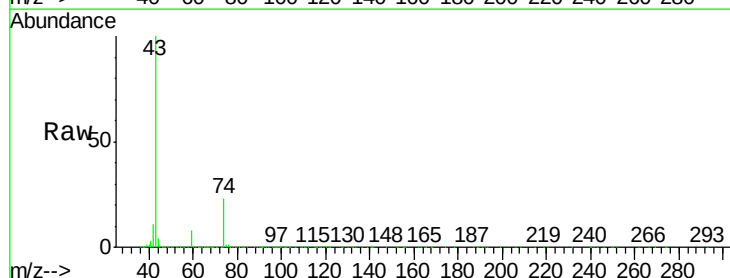
Acq: 18 Feb 2019 09:49

Tgt Ion: 43 Resp: 392636

Ion Ratio Lower Upper

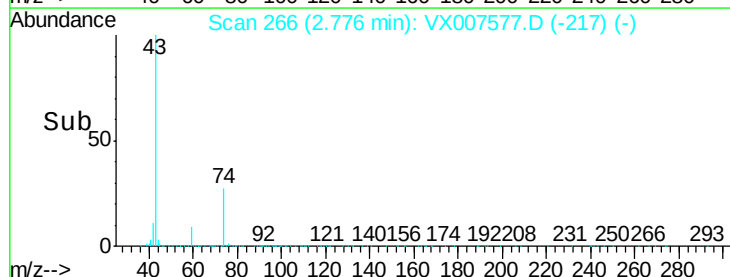
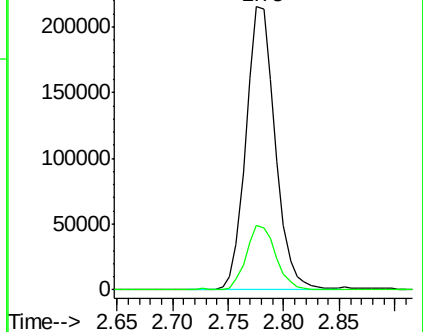
43 100

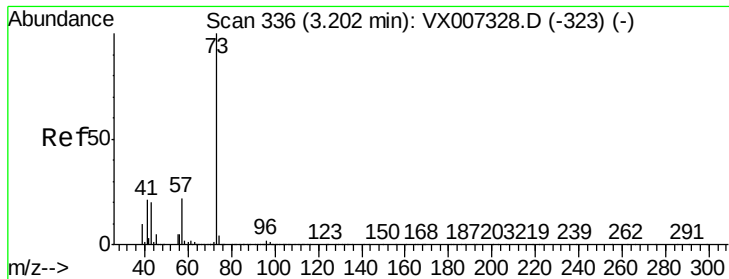
74 22.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





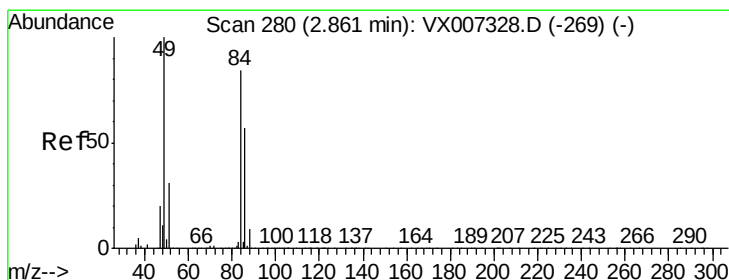
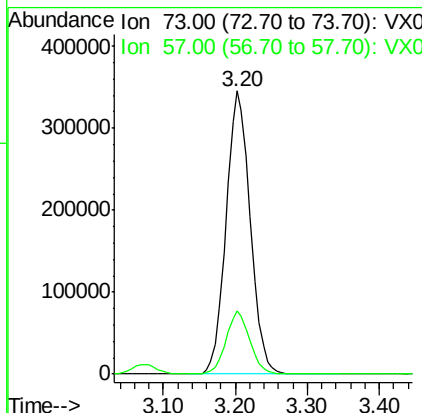
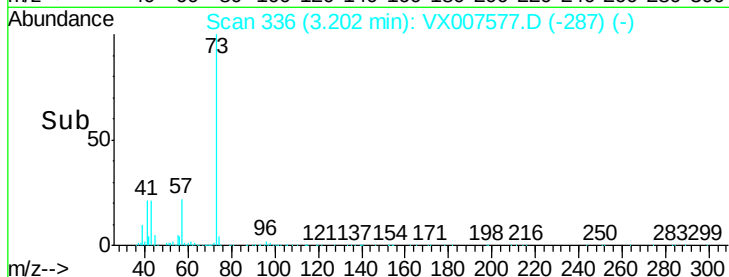
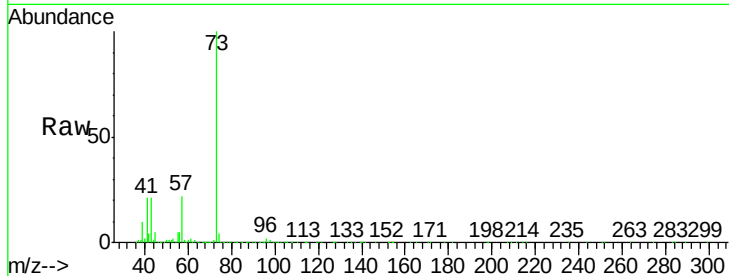
#19
Methyl tert-butyl Ether
Concen: 50.695 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.8

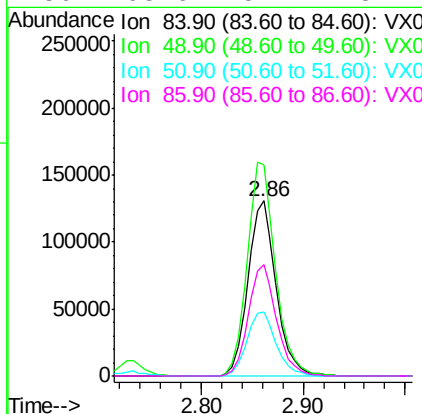
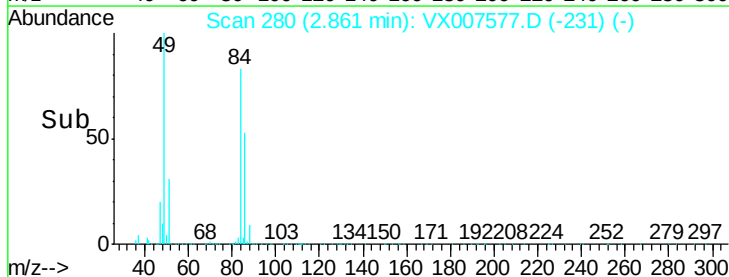
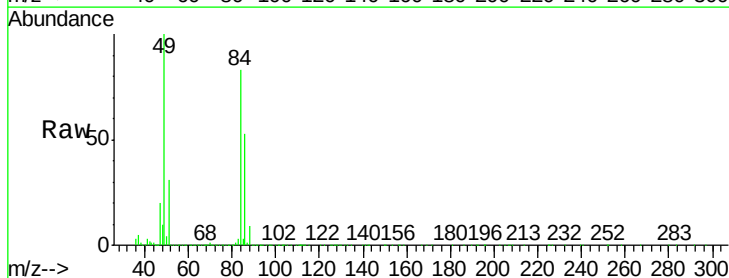
Manual Integrations
APPROVED

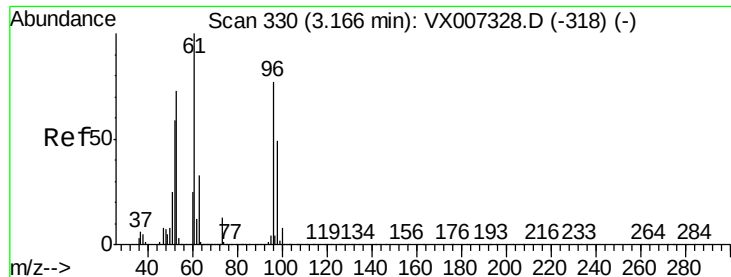
MMDadoda
2/19/2019 11:01:07 AM



#20
Methylene Chloride
Concen: 49.249 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	94.8	142.2
51	36.7	29.8	44.8
86	63.6	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 46.020 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

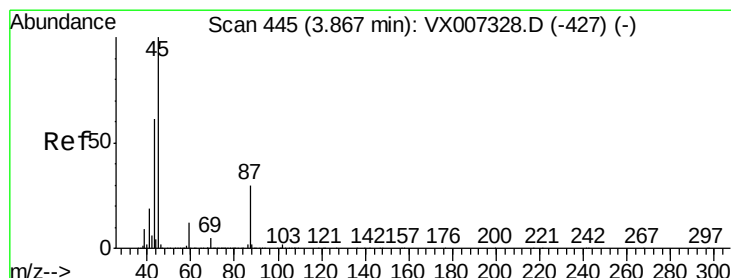
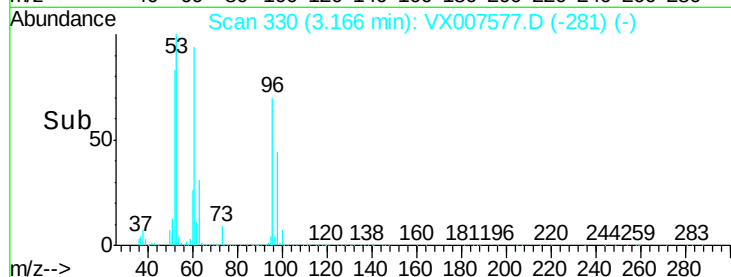
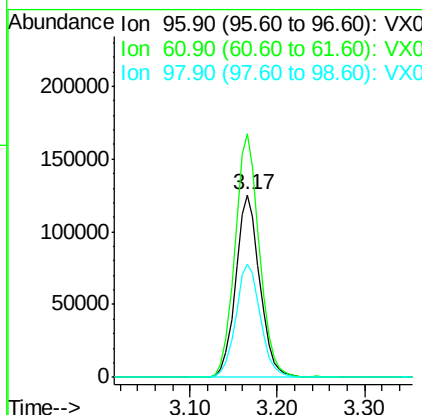
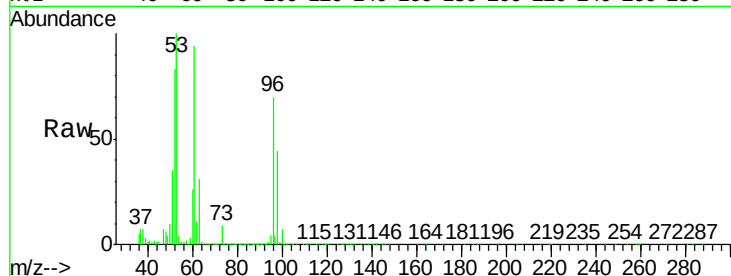
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	240204
Ion	Ratio	Lower	Upper
96	100		
61	133.4	104.6	156.8
98	61.8	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.642 ug/l

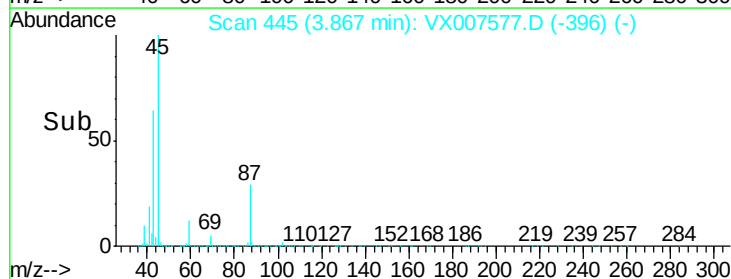
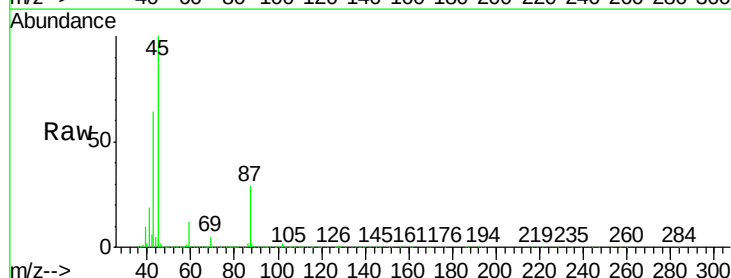
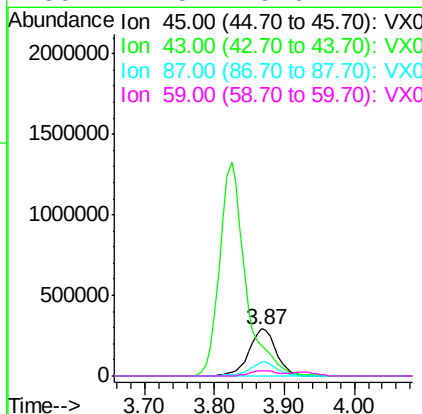
RT: 3.87 min Scan# 445

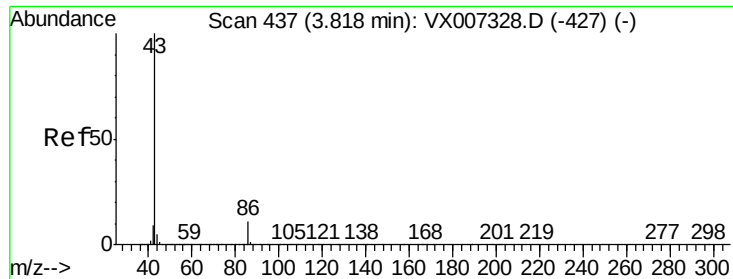
Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion:	45	Resp:	787761
Ion	Ratio	Lower	Upper
45	100		
43	64.4	48.9	73.3
87	29.4	23.9	35.9
59	11.5	9.6	14.4





#23

Vinyl Acetate

Concen: 279.822 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tot Ion: 43 Resp: 3410006

Ion Ratio Lower Upper

43 100

86 10.5 8.7 13.1

Instrument :

MSVOA_X

ClientSampled :

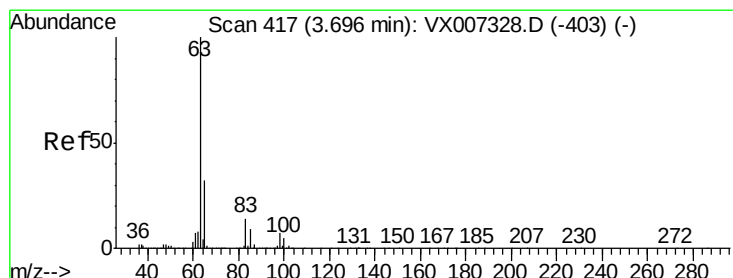
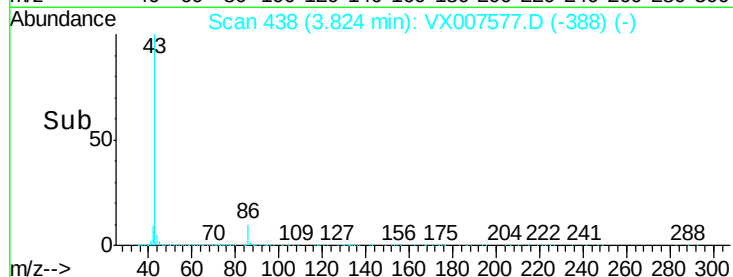
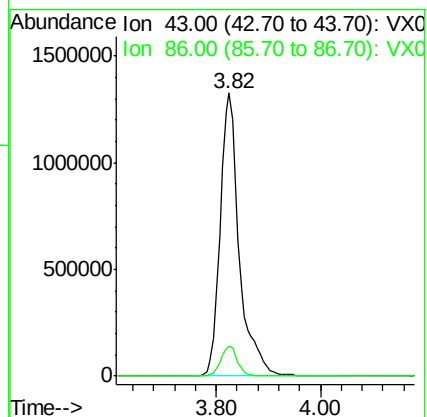
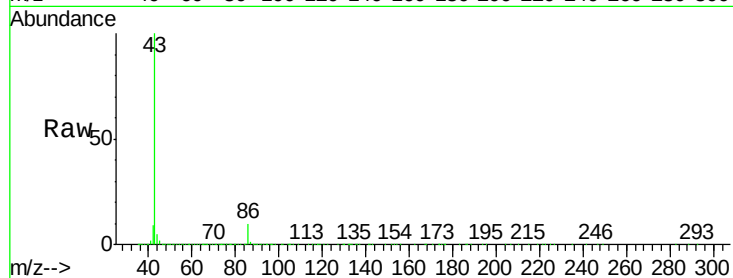
VSTDCCC050

Manual Integrations

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2/19/2019 11:01:07 AM



#24

1,1-Dichloroethane

Concen: 52.944 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

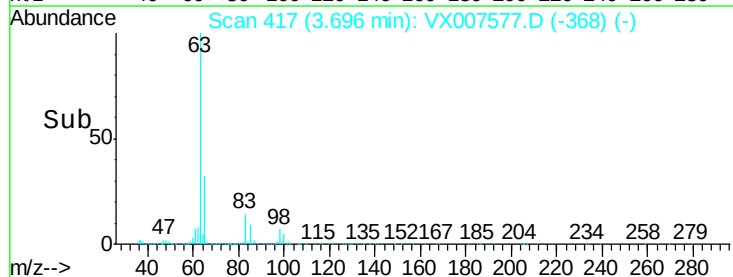
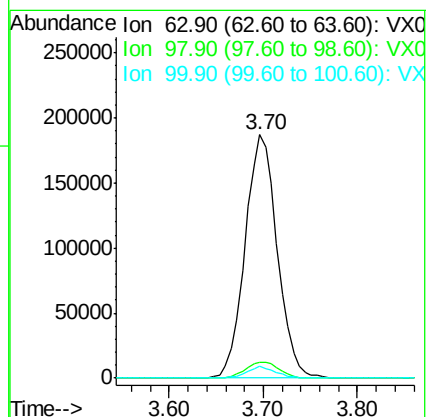
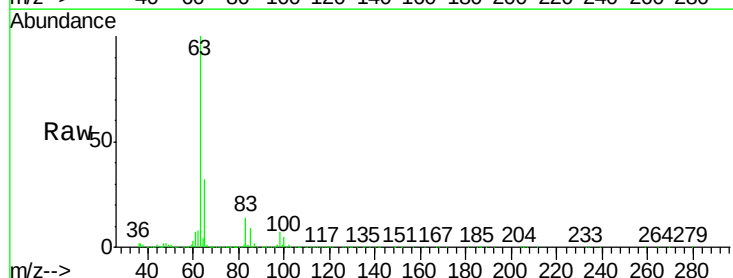
Tgt Ion: 63 Resp: 446506

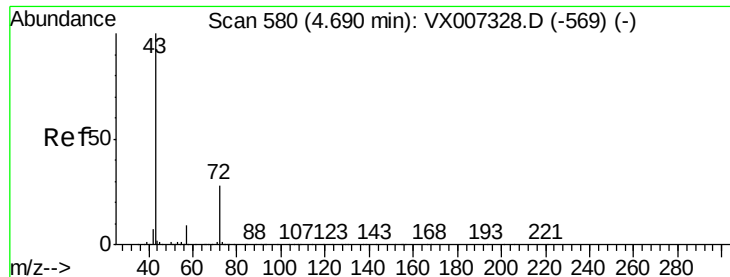
Ion Ratio Lower Upper

63 100

98 6.5 3.6 10.8

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 271.298 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 963346

Ion Ratio Lower Upper

43 100

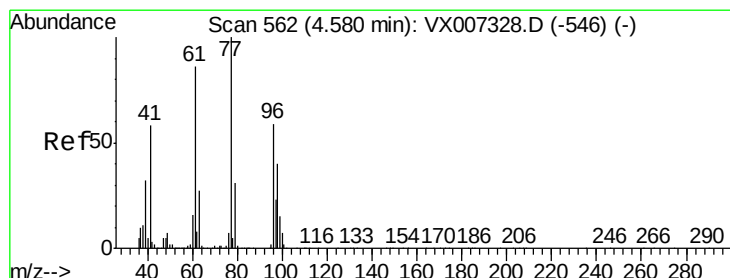
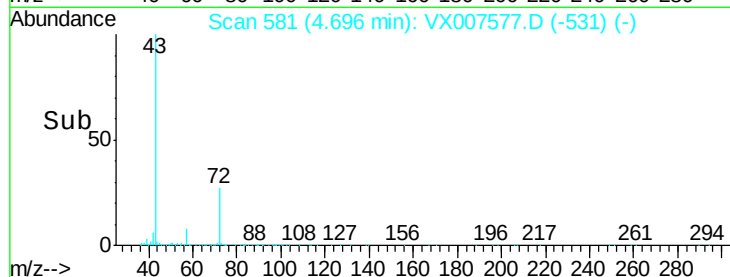
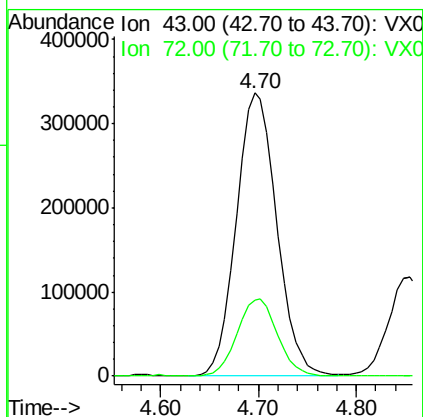
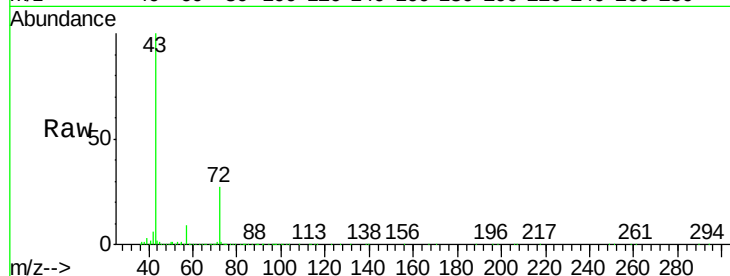
72 26.9 22.2 33.2

Manual Integrations

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MMDadoda

2/19/2019 11:01:07 AM



#26

2,2-Dichloropropane

Concen: 55.664 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007577.D

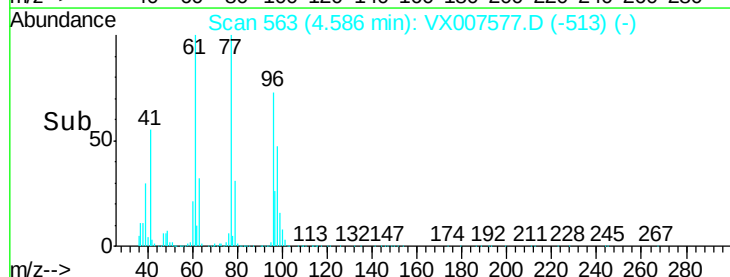
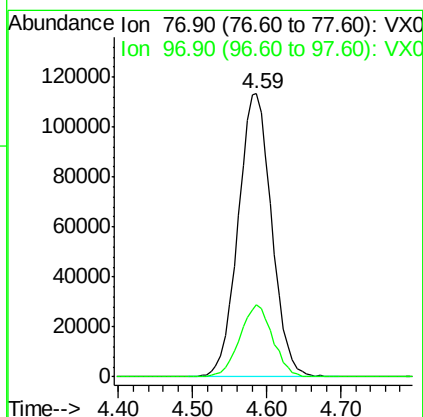
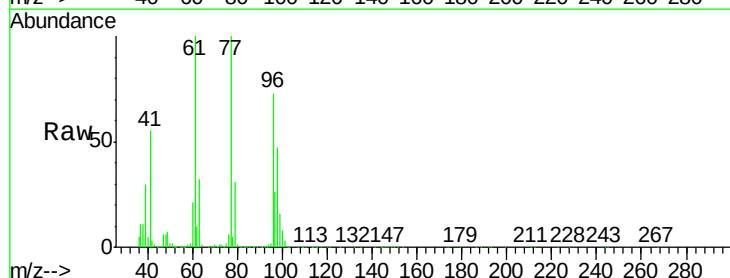
Acq: 18 Feb 2019 09:49

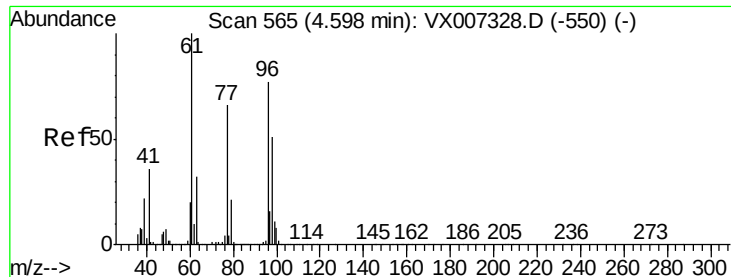
Tgt Ion: 77 Resp: 357505

Ion Ratio Lower Upper

77 100

97 25.0 12.1 36.3





#27

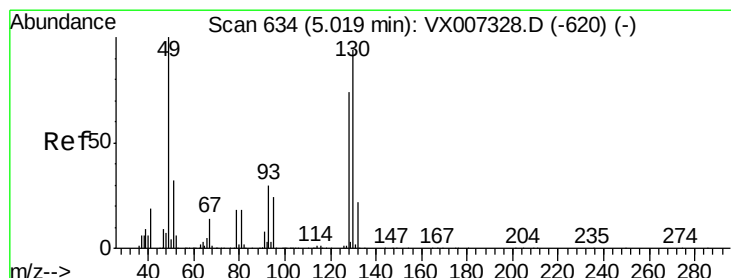
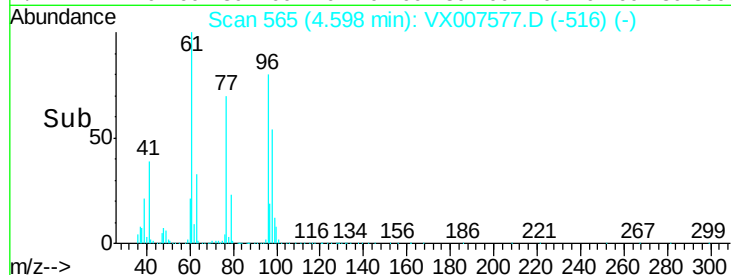
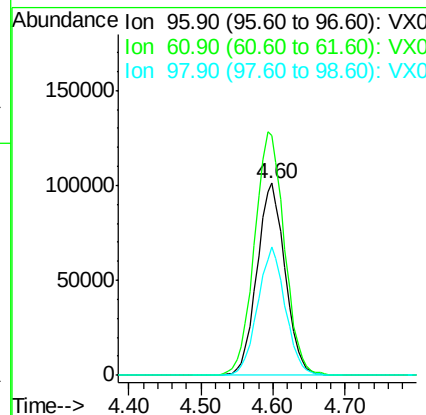
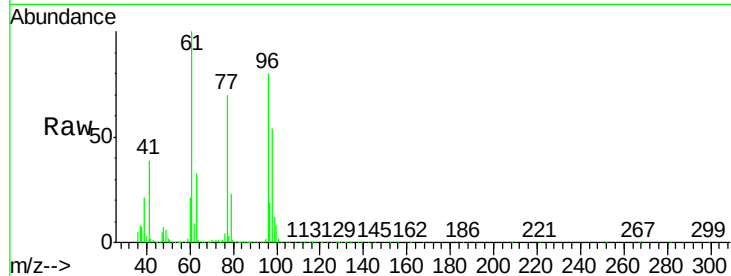
cis-1,2-Dichloroethene
Concen: 48.205 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	274821		
61	135.0	0.0	265.6	
98	65.9	0.0	131.6	

Manual Integrations
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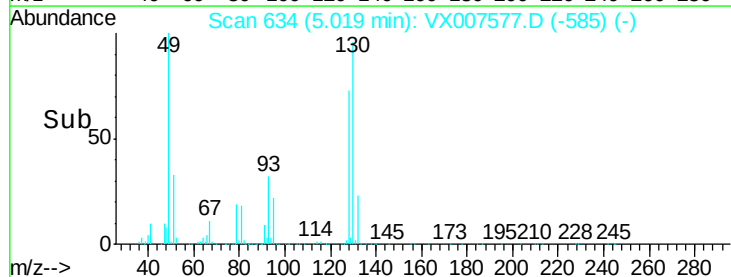
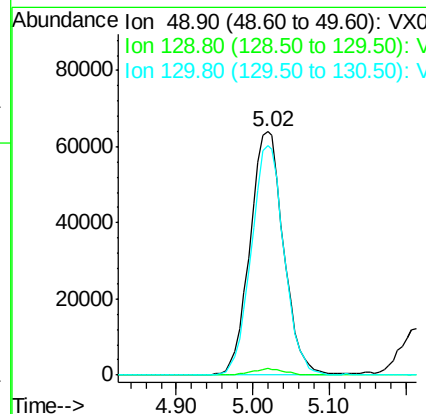
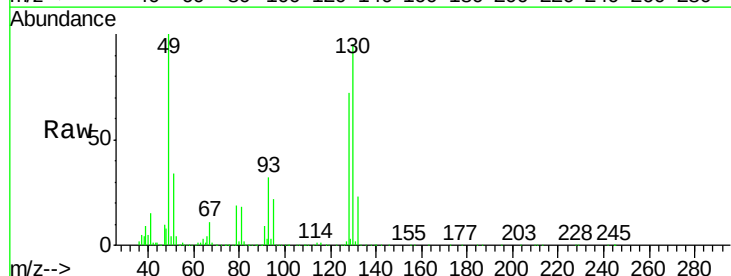
MMDadoda
2/19/2019 11:01:07 AM

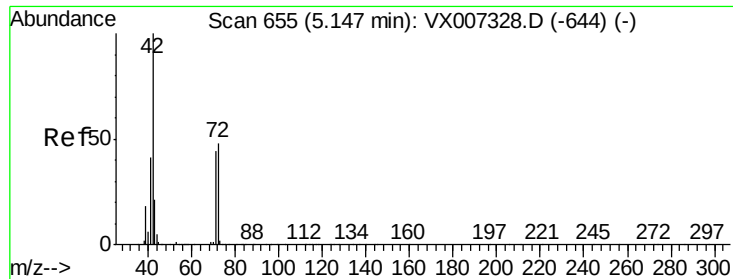


#28

Bromochloromethane
Concen: 50.508 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	195885		
129	2.7	0.0	5.6	
130	92.1	75.6	113.4	





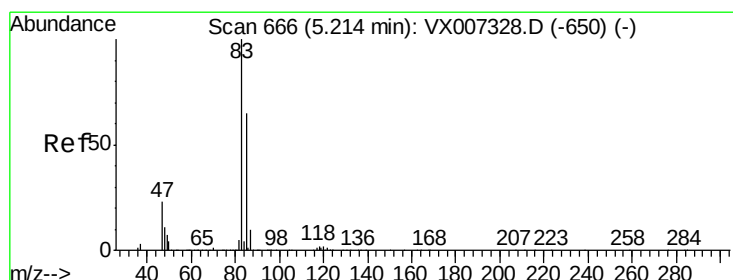
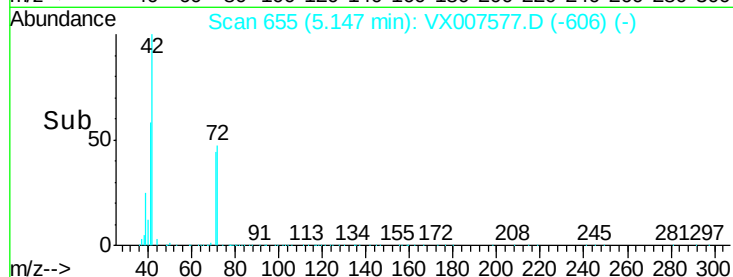
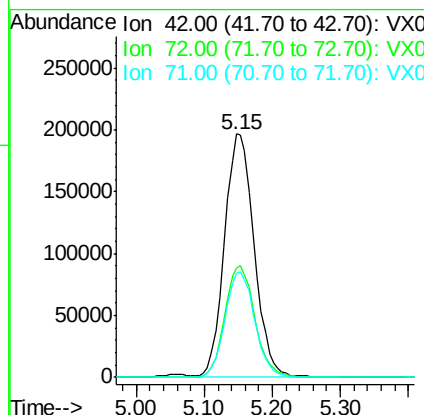
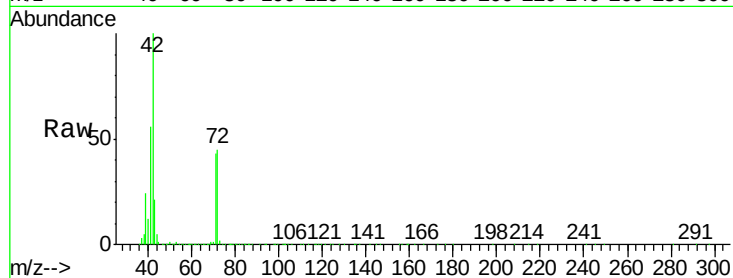
#29
Tetrahydrofuran
Concen: 264.823 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.6	56.4
71	43.5	34.6	51.8

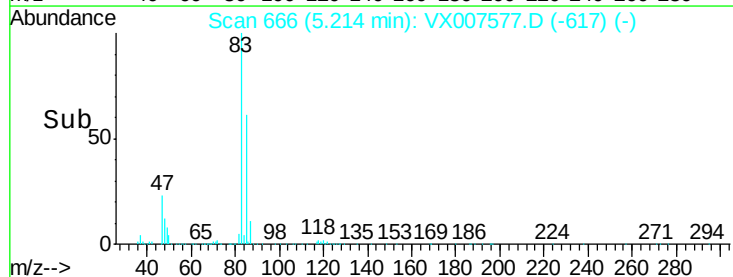
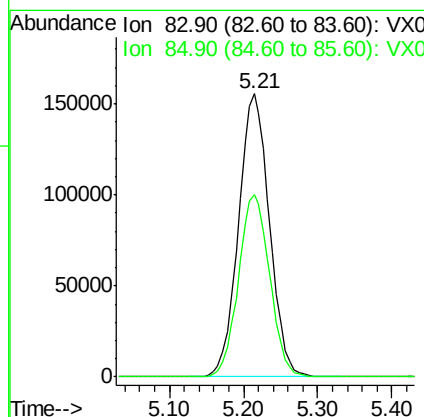
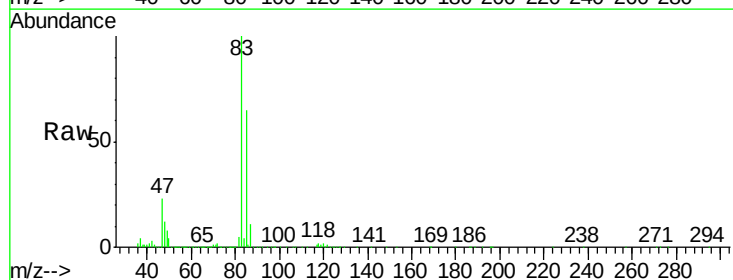
Manual Integrations
APPROVED

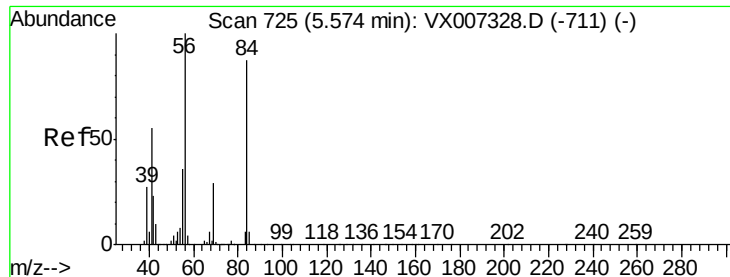
MMDadoda
2/19/2019 11:01:07 AM



#30
Chloroform
Concen: 51.402 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4





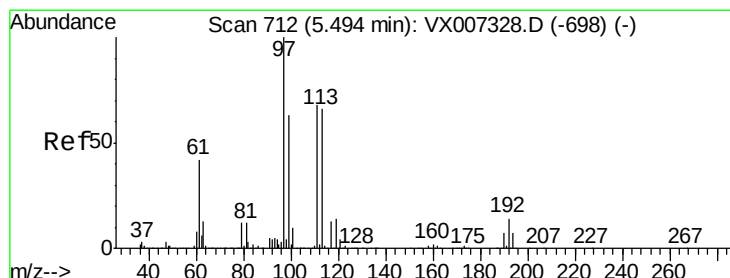
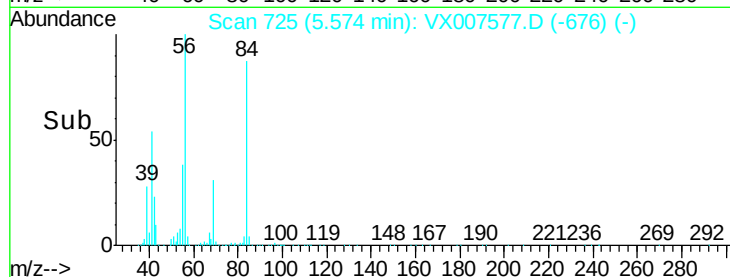
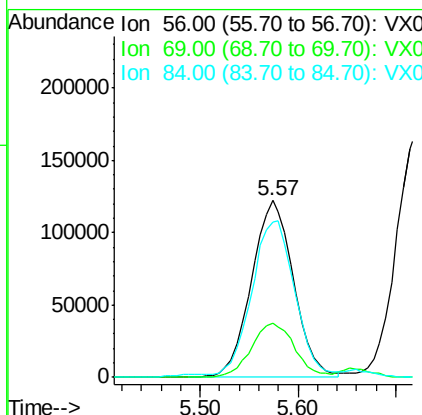
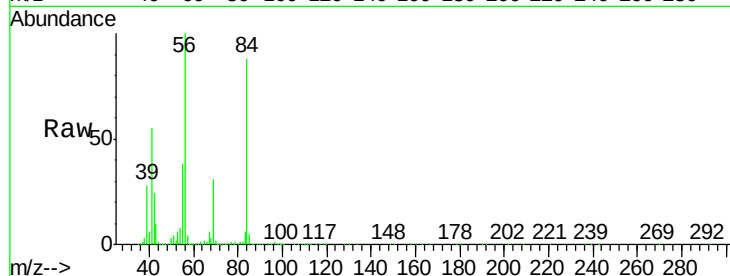
#31
Cyclohexane
Concen: 48.081 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.0	34.6
84	86.0	69.8	104.6

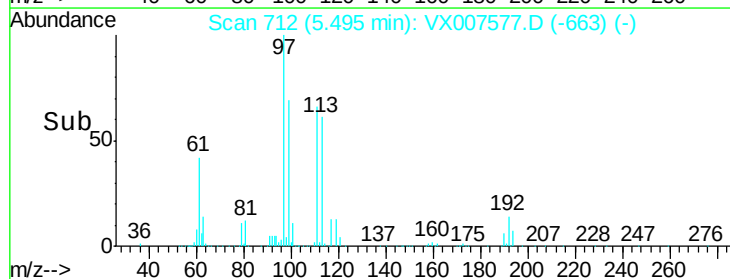
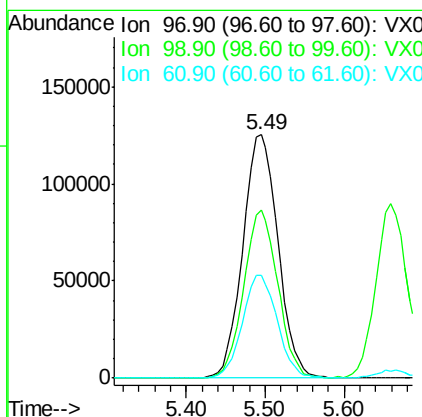
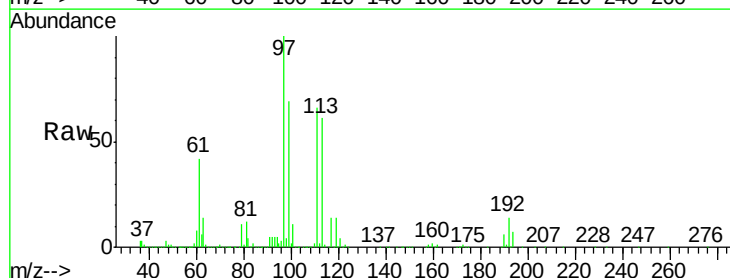
Manual Integrations
APPROVED

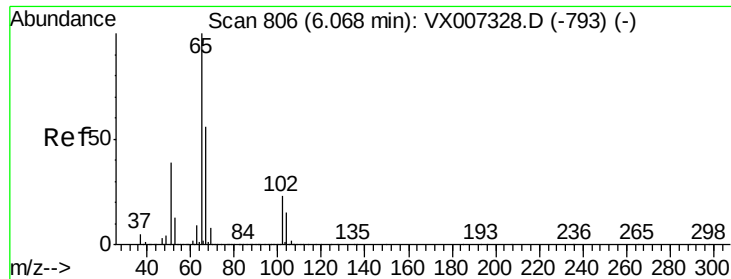
MMDadoda
2/19/2019 11:01:07 AM



#32
1,1,1-Trichloroethane
Concen: 52.334 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.0	52.2	78.2
61	42.0	32.7	49.1





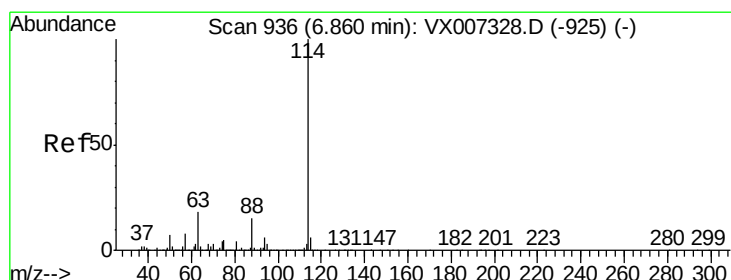
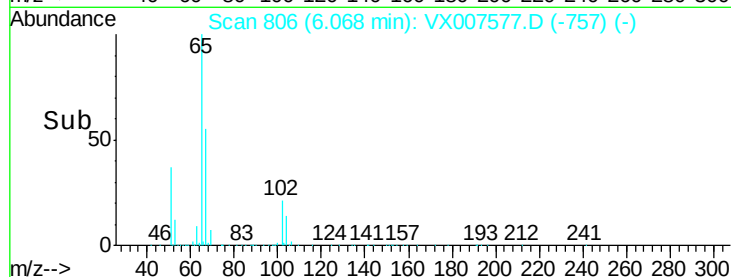
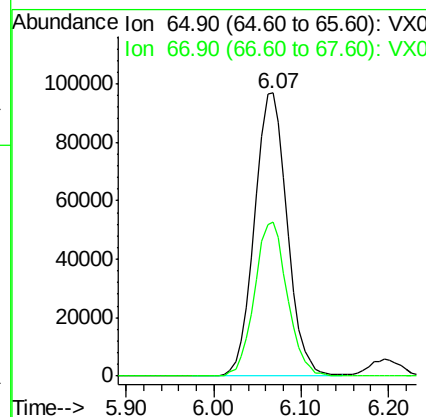
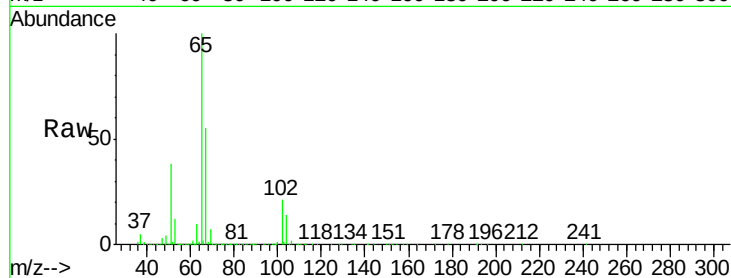
#33
 1,2-Dichloroethane-d4
 Concen: 46.228 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	251805		
67	54.3	0.0	108.8	

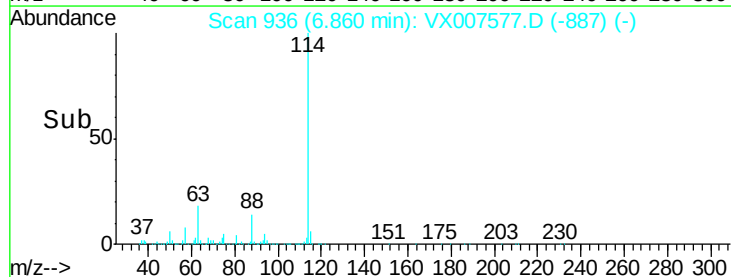
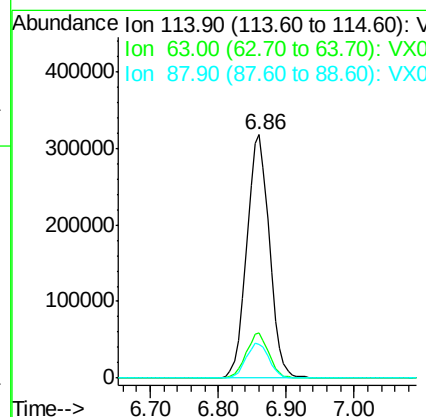
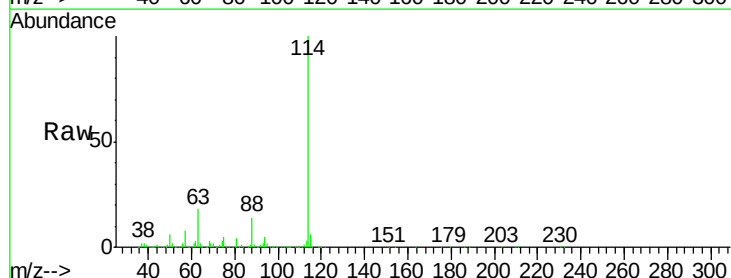
Manual Integrations
 APPROVED

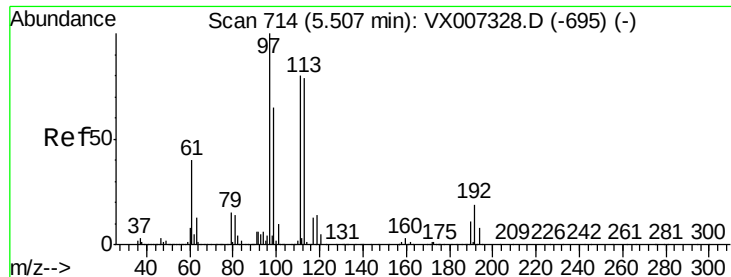
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 2/19/2019 11:01:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	733647		
63	18.4	0.0	35.6	
88	13.8	0.0	29.6	





#35

Dibromofluoromethane

Concen: 48.933 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

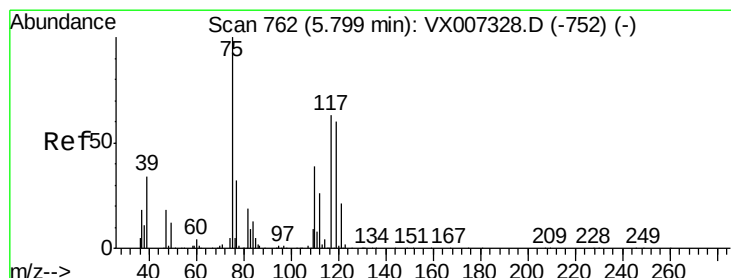
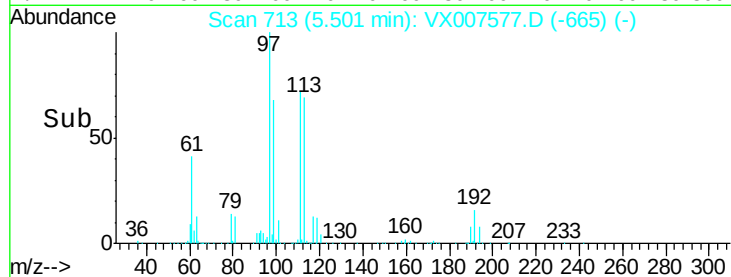
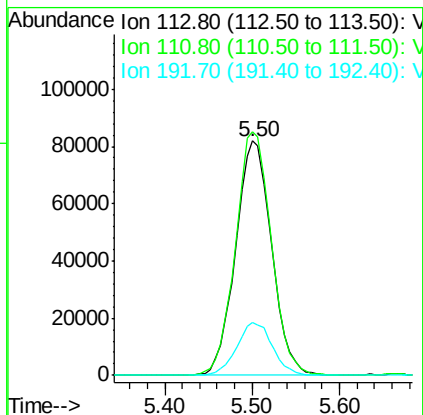
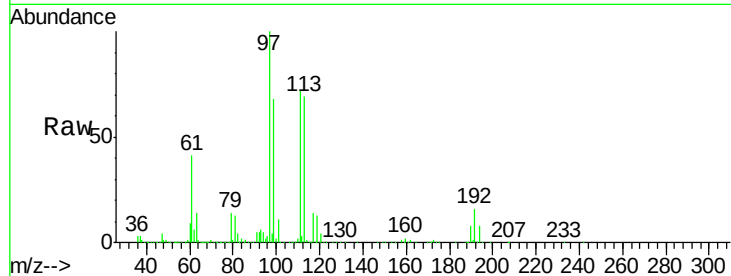
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	233587
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.8	122.8
192	22.4	18.5	27.7

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:07 AM



#36

1,1-Dichloropropene

Concen: 48.889 ug/l

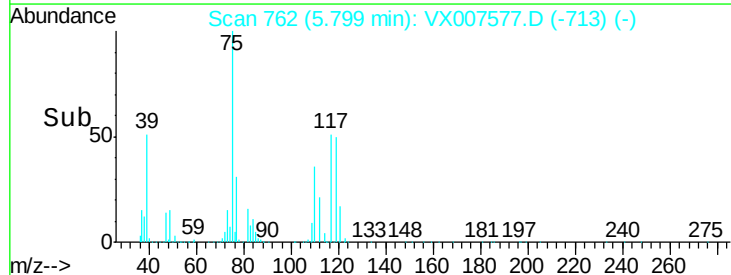
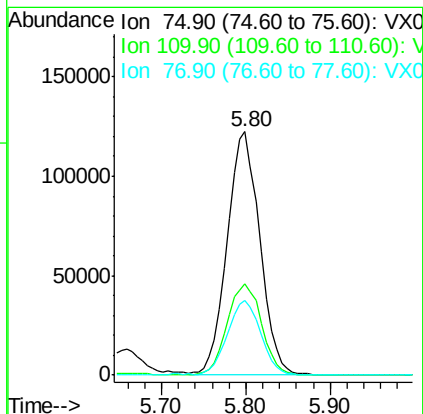
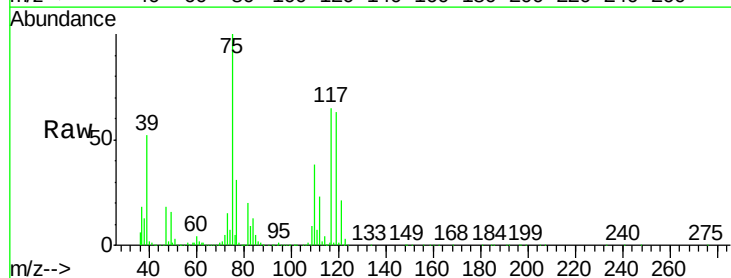
RT: 5.80 min Scan# 762

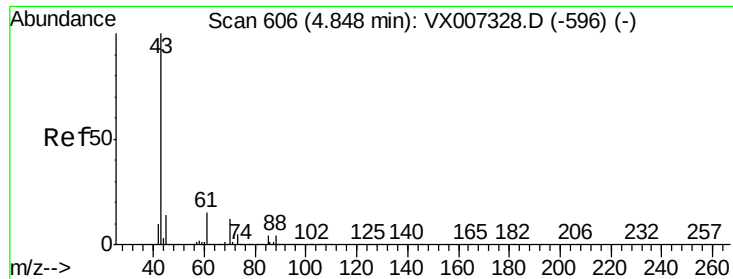
Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion:	75	Resp:	321816
Ion Ratio	Lower	Upper	
75	100		
110	39.4	20.0	59.9
77	30.8	24.7	37.1





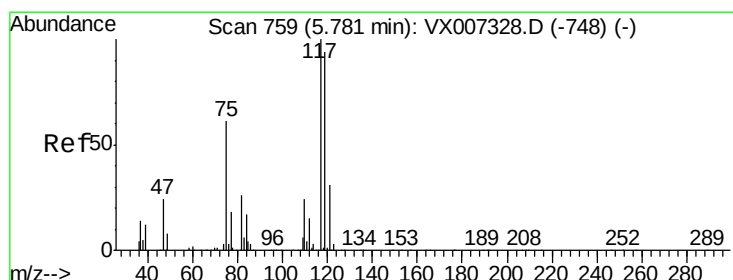
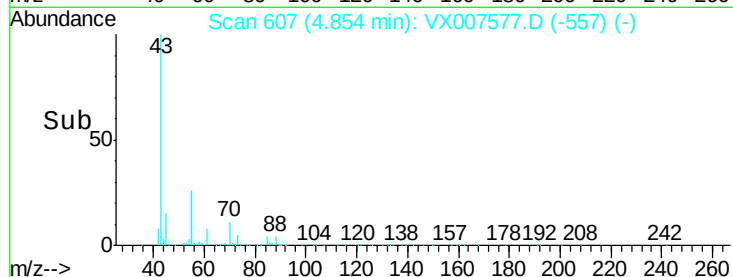
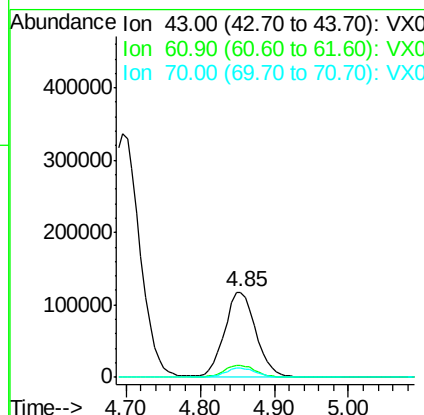
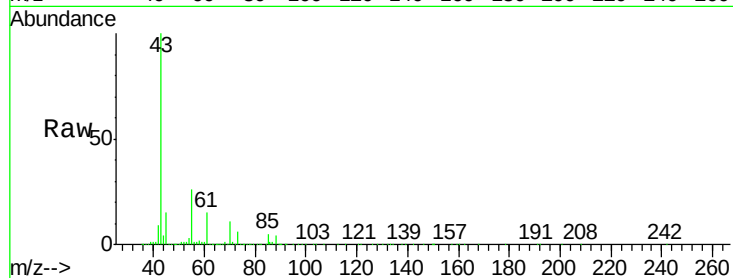
#37
Ethyl Acetate
Concen: 51.729 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	344215
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.3	16.9
70	10.6	8.6	13.0

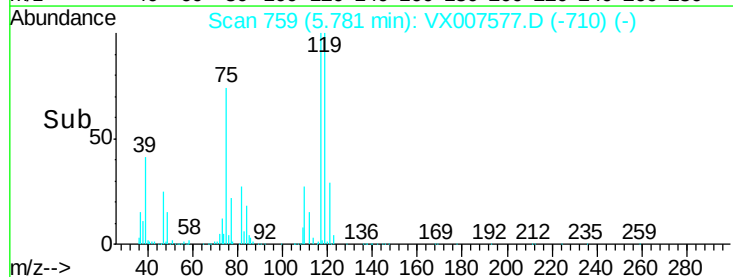
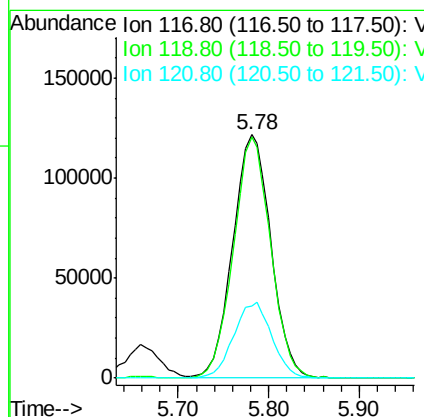
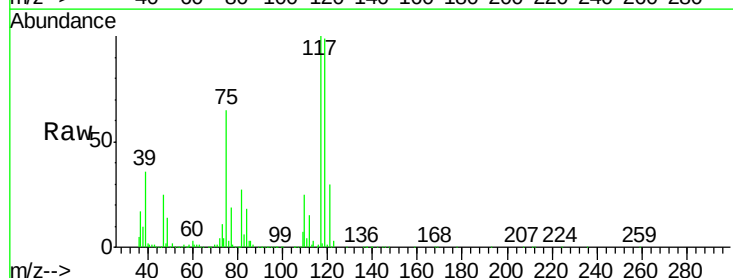
Manual Integrations
APPROVED

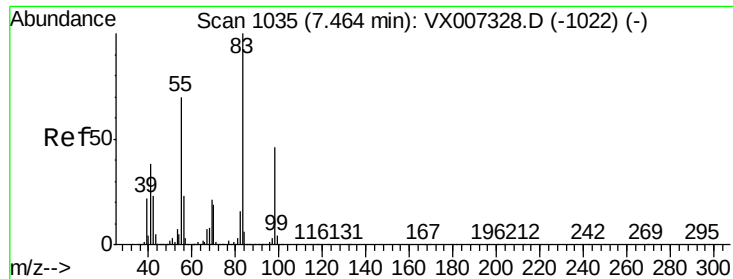
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#38
Carbon Tetrachloride
Concen: 55.523 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion:	117	Resp:	354578
Ion	Ratio	Lower	Upper
117	100		
119	99.1	75.3	112.9
121	29.8	25.0	37.4





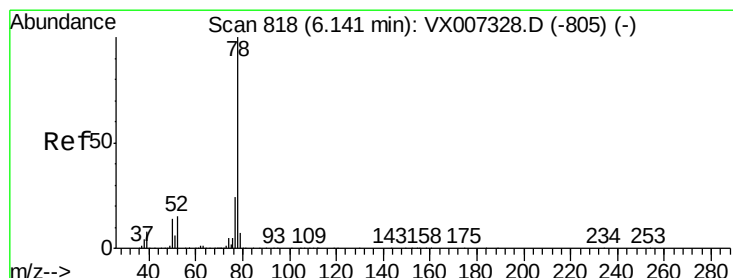
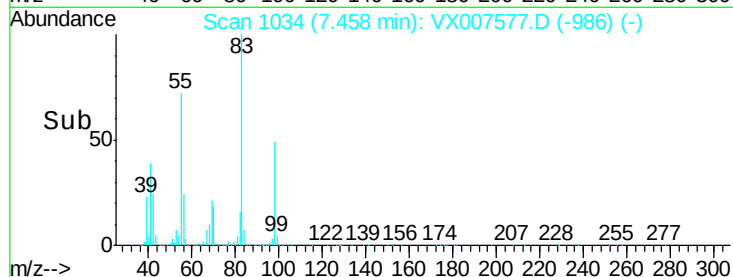
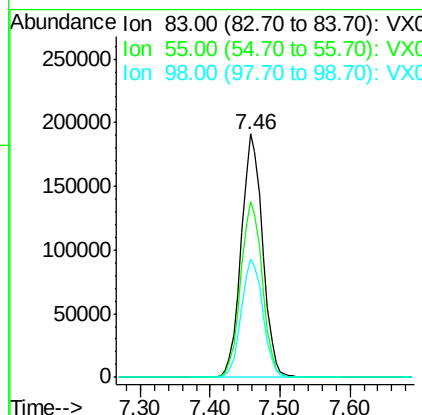
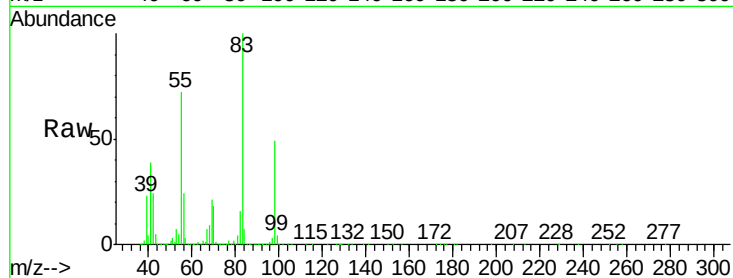
#39
Methylvlcyclohexane
Concen: 50.920 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	56.2	84.2
98	48.6	36.8	55.2

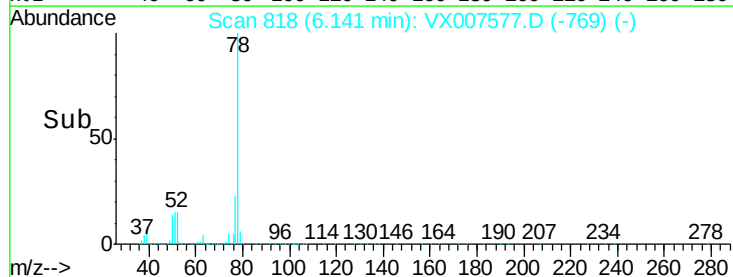
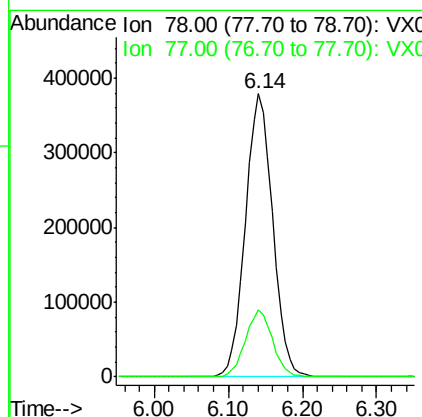
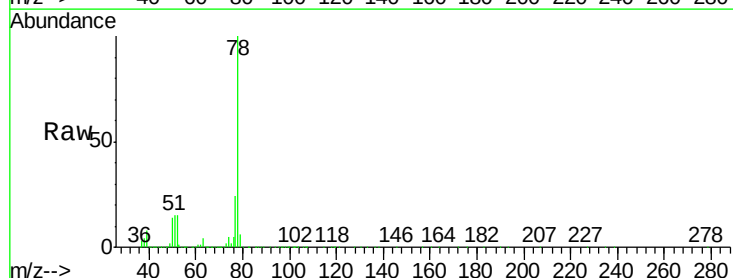
Manual Integrations
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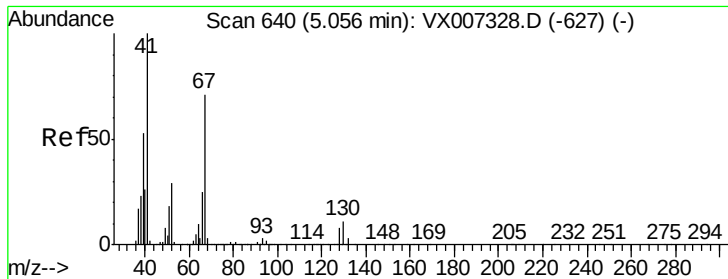
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#40
Benzene
Concen: 50.352 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





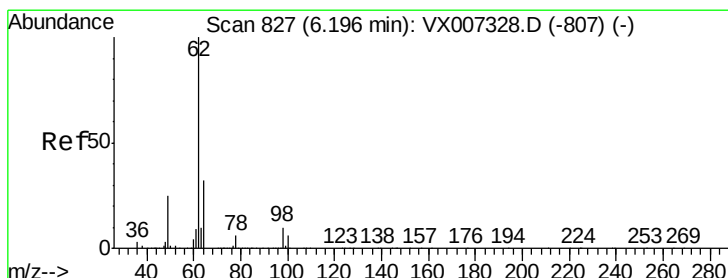
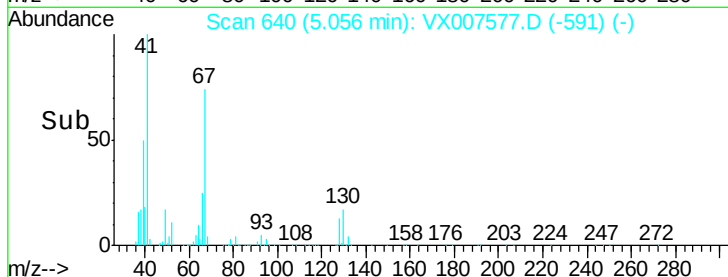
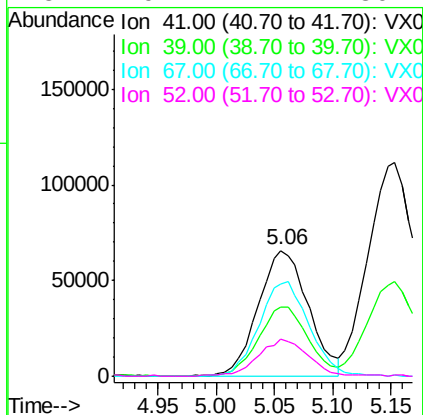
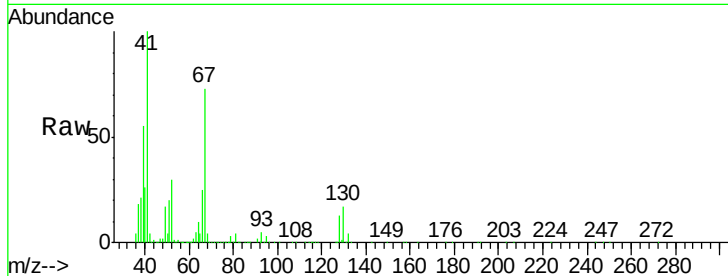
#41
Methacrylonitrile
Concen: 54.795 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		195414		
39	54.9	44.5	66.7		
67	75.9	60.4	90.6		
52	29.1	24.1	36.1		

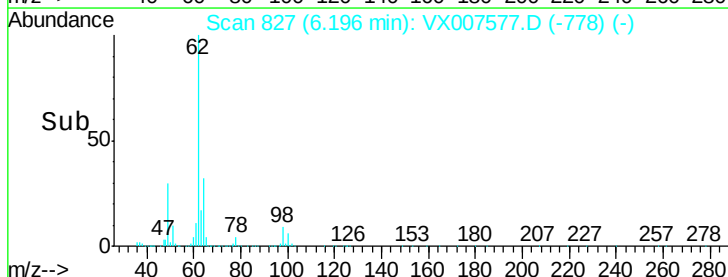
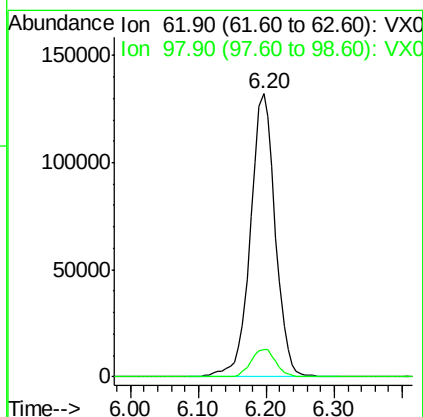
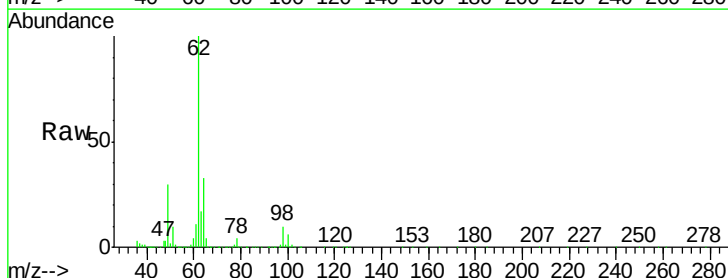
Manual Integrations
APPROVED

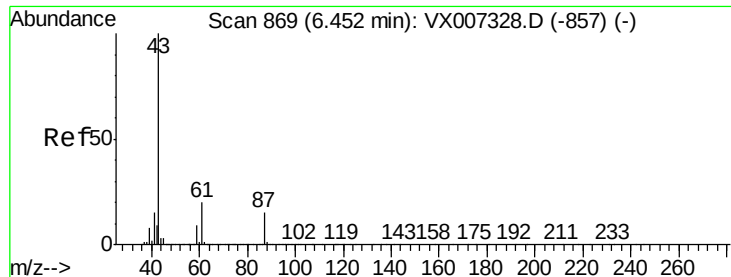
MMDadoda
2/19/2019 11:01:07 AM



#42
1,2-Dichloroethane
Concen: 50.165 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		336554		
98	10.0	0.0	19.0		





#43

Isopropyl Acetate

Concen: 55.318 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

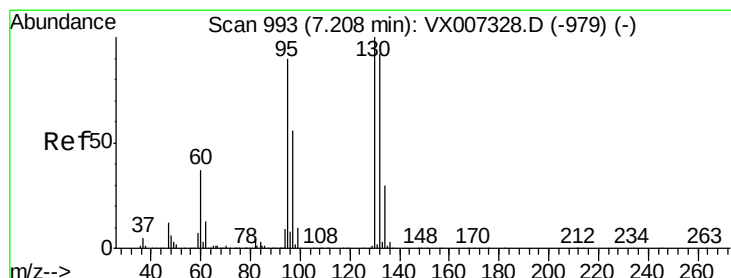
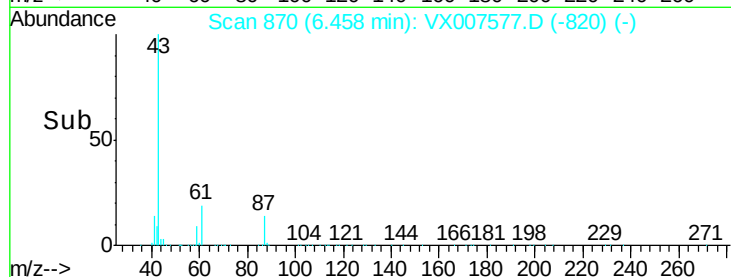
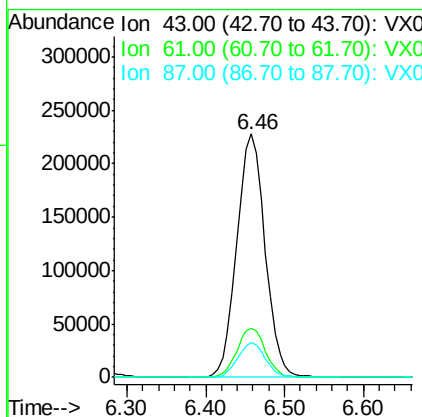
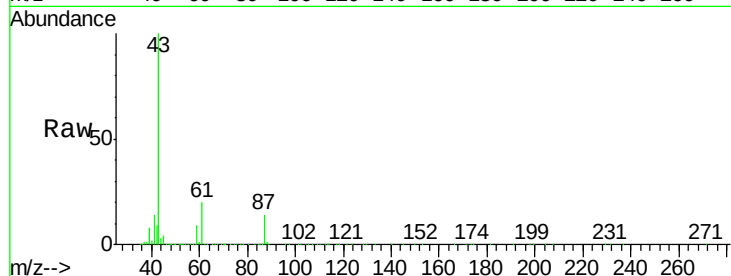
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	568164
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1
87	14.1	11.5	17.3

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#44

Trichloroethene

Concen: 49.586 ug/l

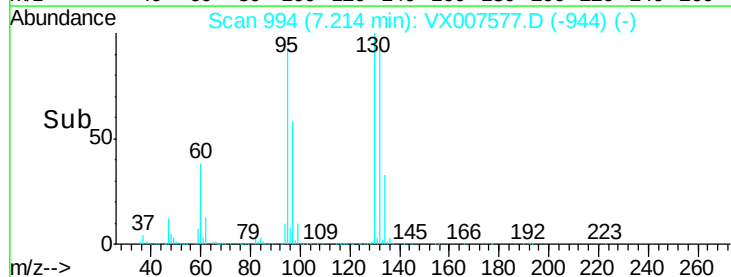
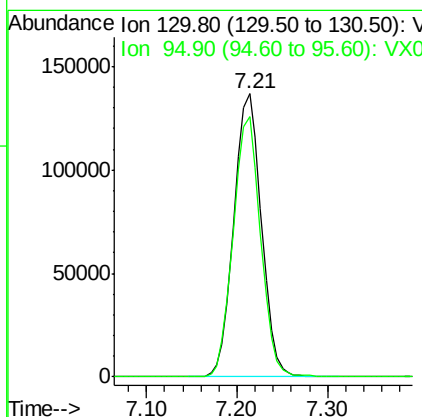
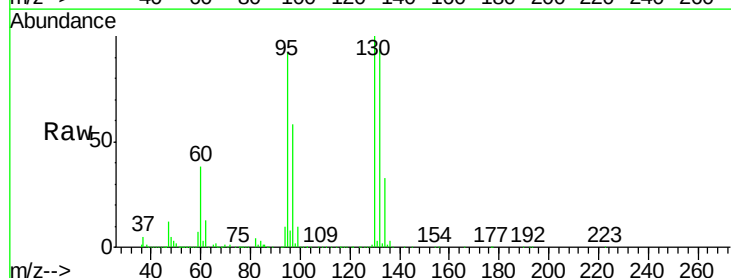
RT: 7.21 min Scan# 994

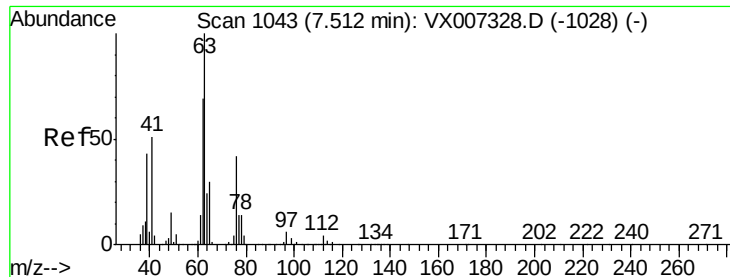
Delta R.T. 0.01 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion:	130	Resp:	289579
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	180.0





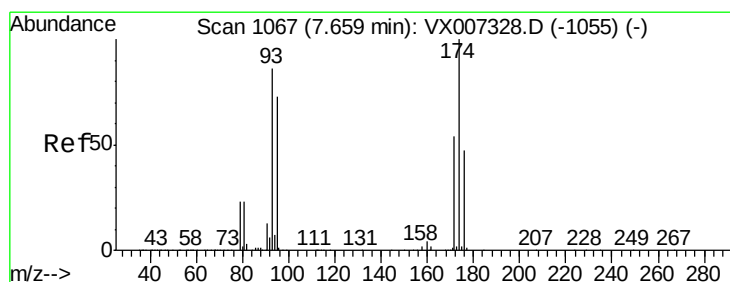
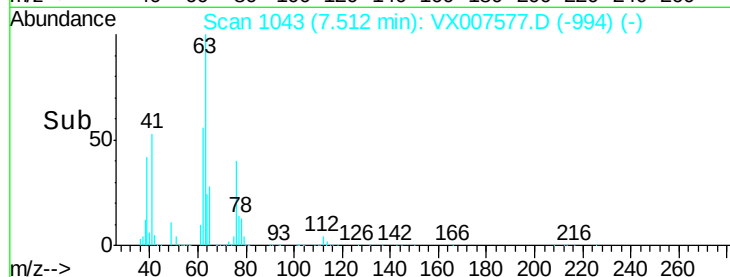
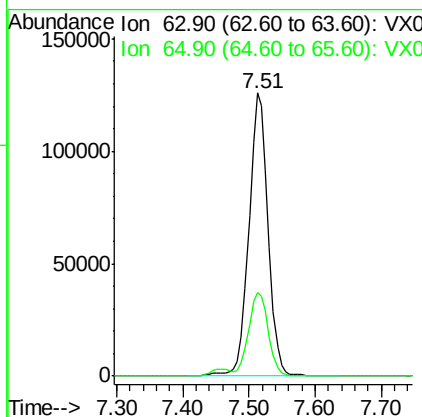
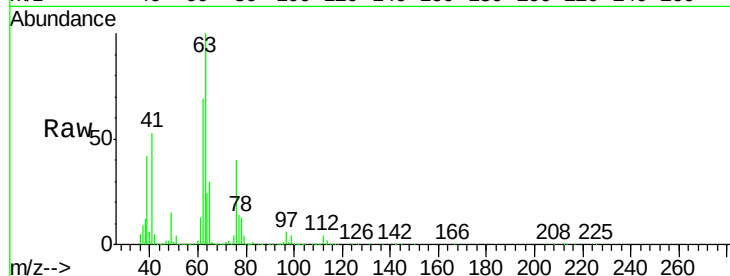
#45
 1,2-Dichloropropane
 Concen: 52.381 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	254480		
65	29.6		24.2	36.2

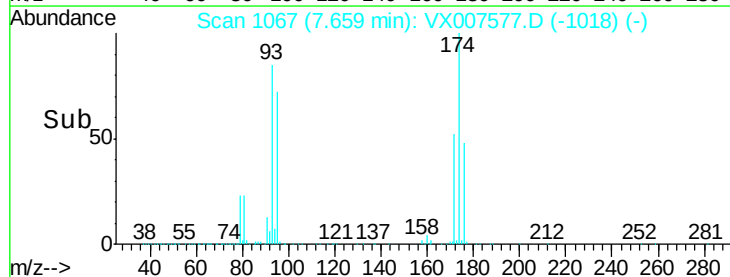
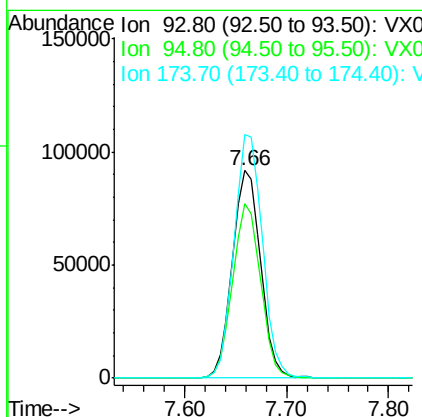
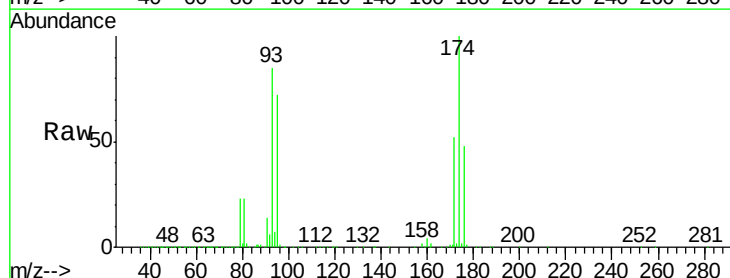
Manual Integrations
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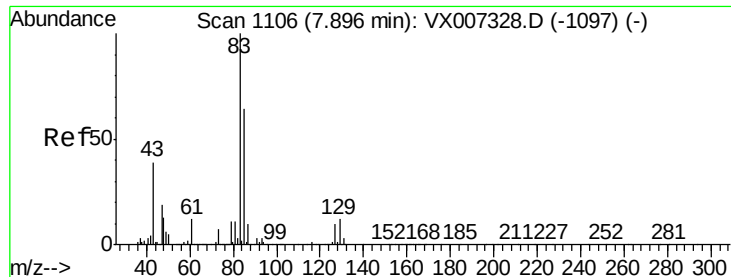
MMDadoda
 2/19/2019 11:01:07 AM



#46
 Dibromomethane
 Concen: 49.634 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	175259		
95	83.8		67.6	101.4
174	118.8		94.2	141.4





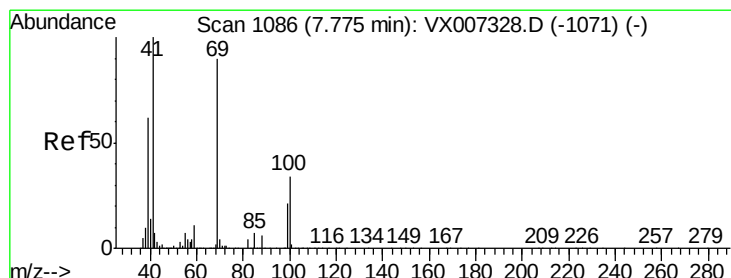
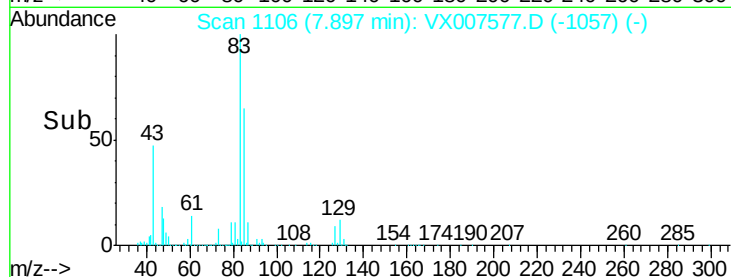
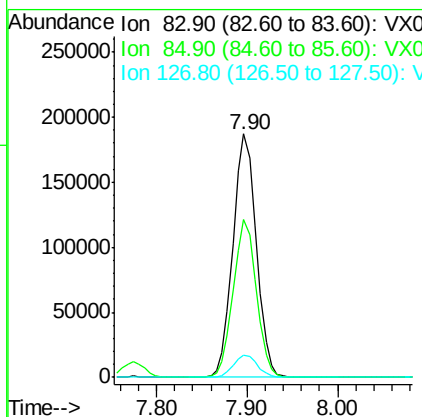
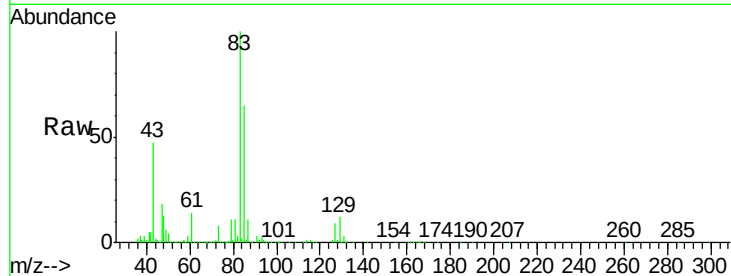
#47
Bromodichloromethane
Concen: 56.004 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	335141		
85	64.8	51.4	77.0	
127	9.1	8.1	12.1	

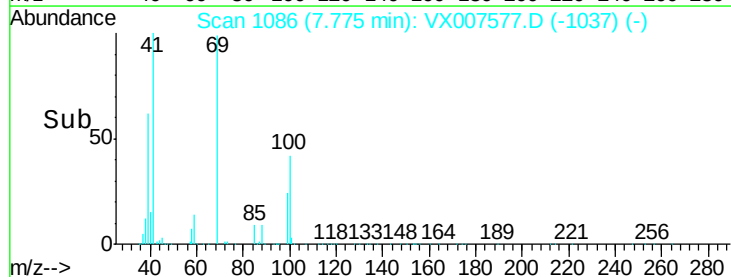
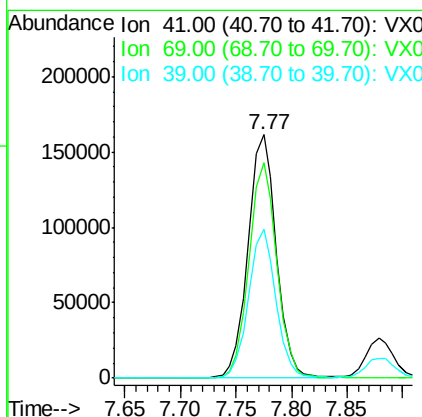
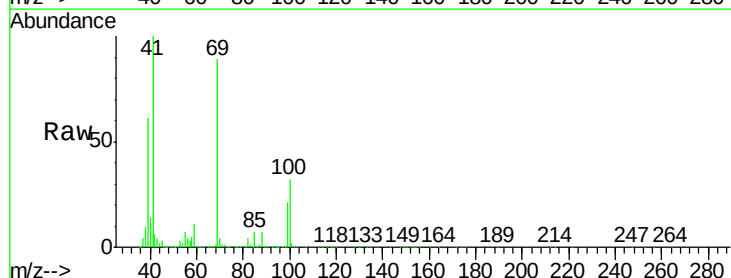
Manual Integrations
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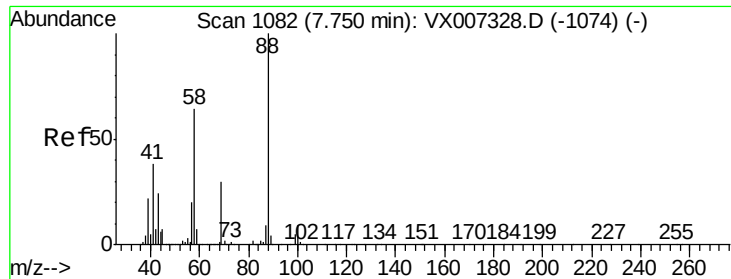
MMDadoda
2/19/2019 11:01:07 AM



#48
Methyl methacrylate
Concen: 55.510 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	285179		
69	87.8	70.2	105.4	
39	59.5	47.4	71.0	





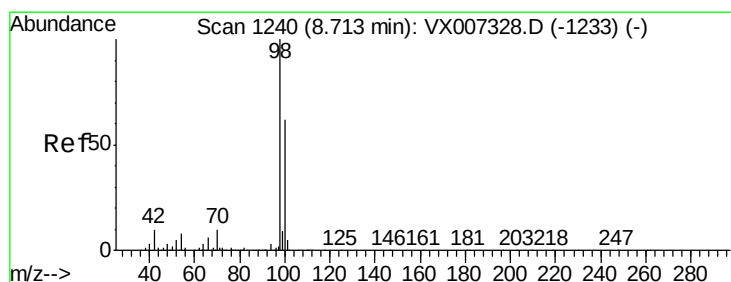
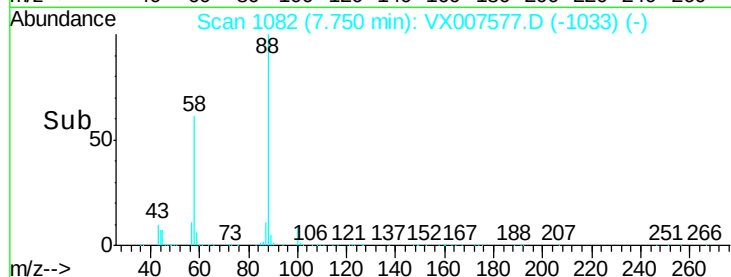
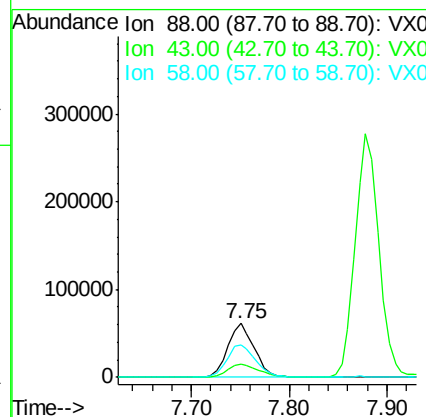
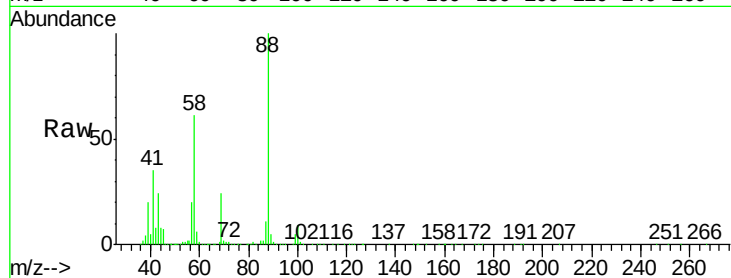
#49
1,4-Dioxane
Concen: 983.720 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.2	36.4
58	66.1	53.0	79.4

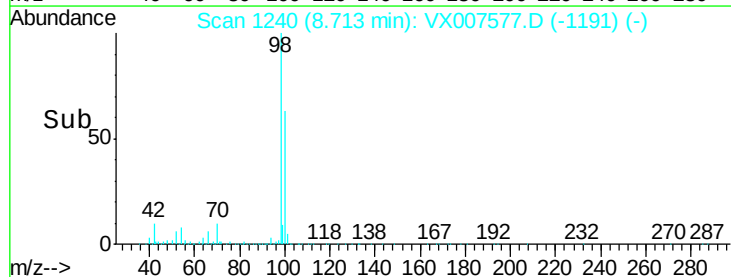
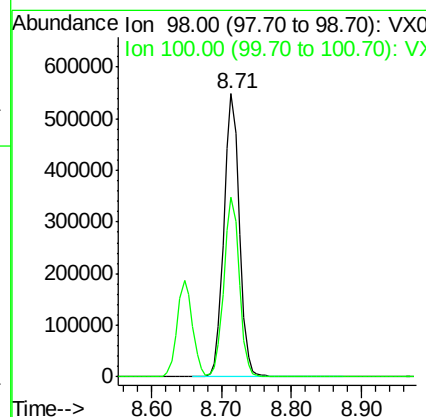
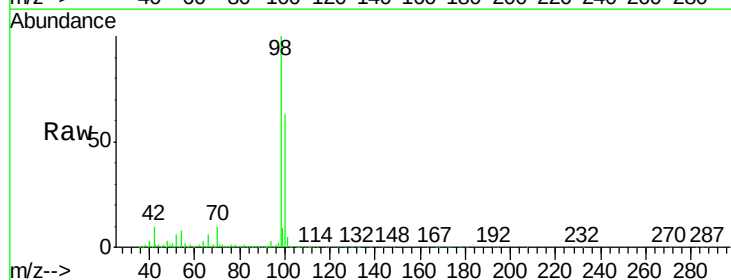
Manual Integrations
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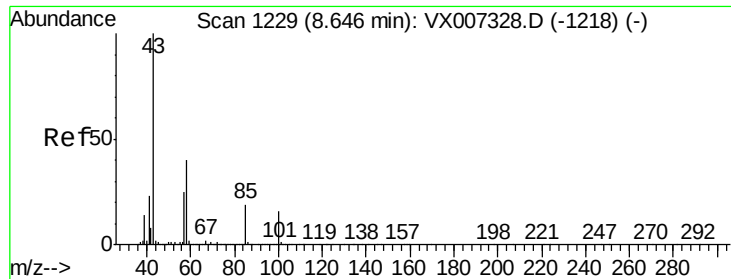
MMDadoda
2/19/2019 11:01:07 AM



#50
Toluene-d8
Concen: 47.644 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 265.853 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tot Ion: 43 Resp: 1797513

Ion Ratio Lower Upper

43 100

58 39.3 31.2 46.8

Instrument :

MSVOA_X

ClientSampled :

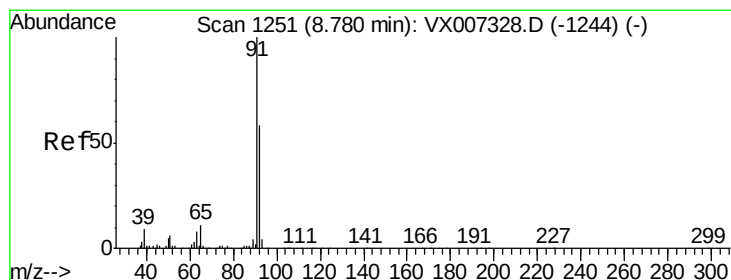
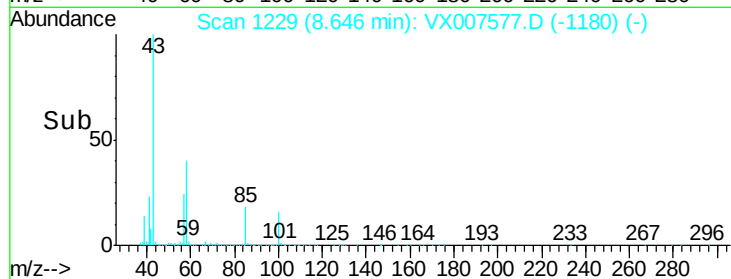
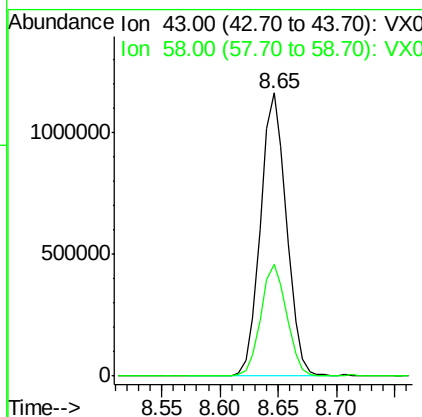
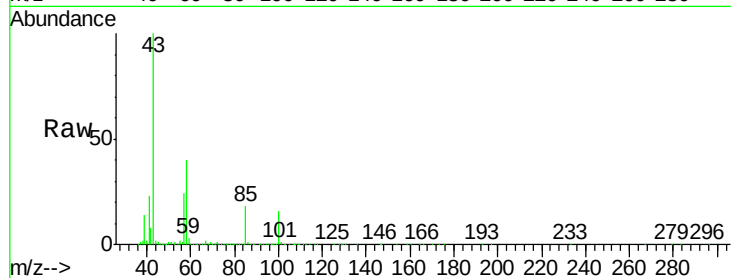
VSTDCCC050

Manual Integrations

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MMDadoda

2/19/2019 11:01:07 AM



#52

Toluene

Concen: 49.741 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007577.D

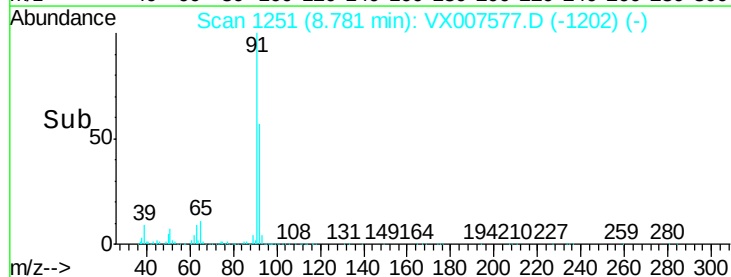
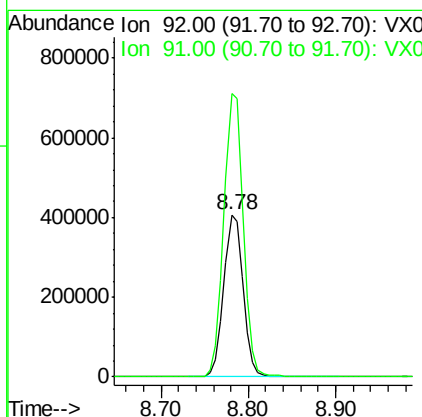
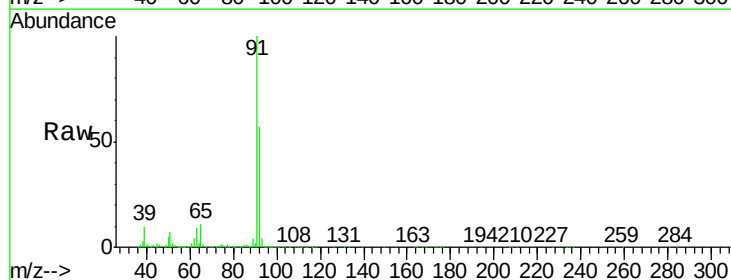
Acq: 18 Feb 2019 09:49

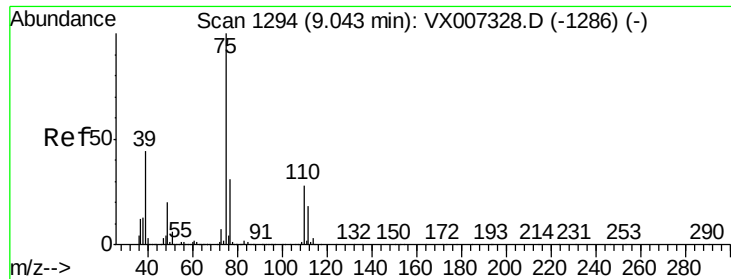
Tgt Ion: 92 Resp: 622285

Ion Ratio Lower Upper

92 100

91 176.5 139.1 208.7





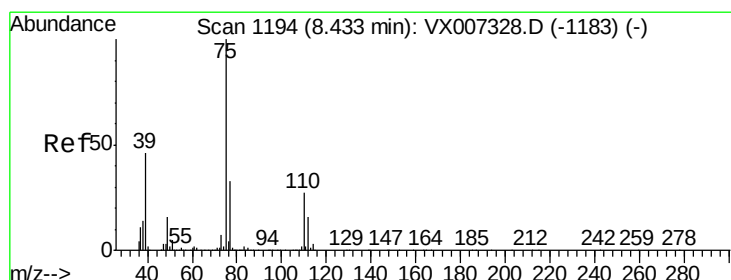
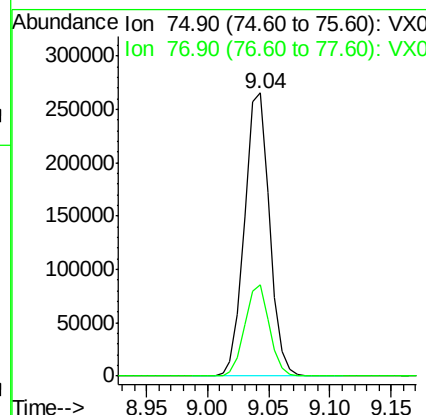
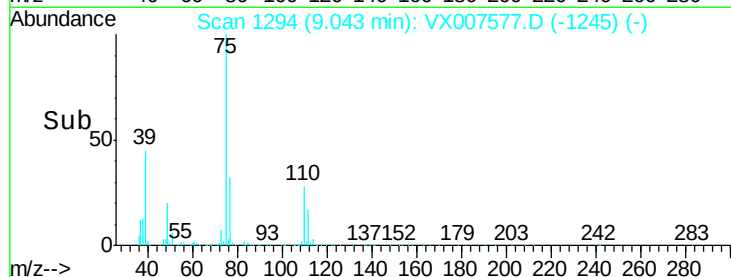
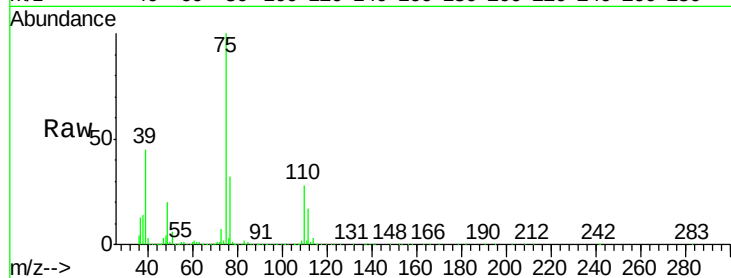
#53
t-1,3-Dichloropropene
Concen: 58.421 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.2	37.8

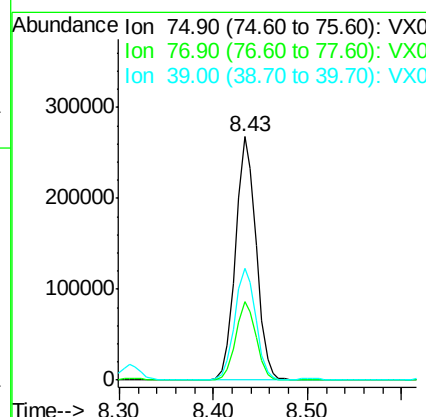
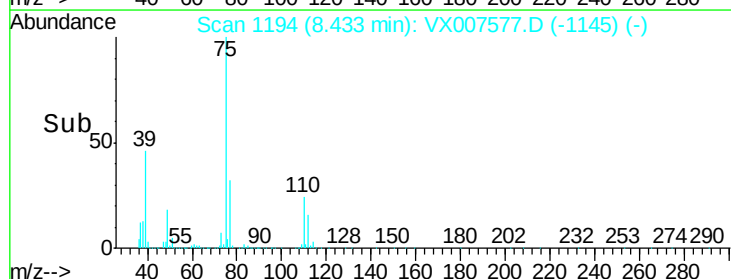
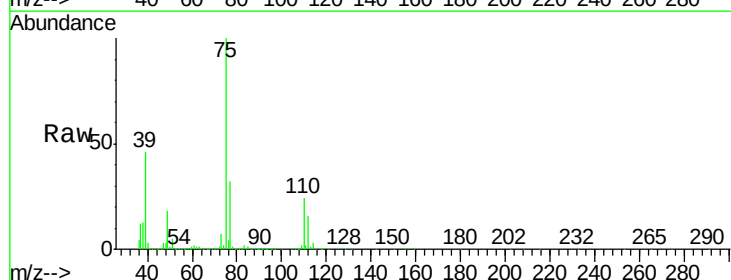
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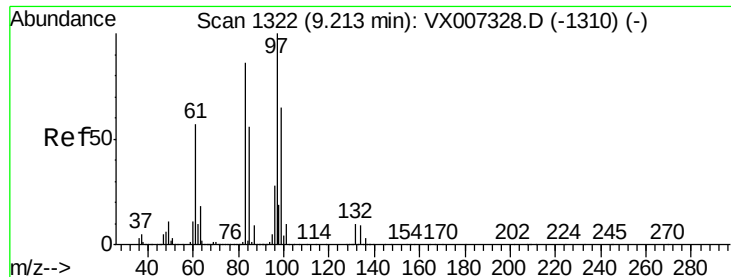
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 57.234 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.4
39	45.9	37.1	55.7





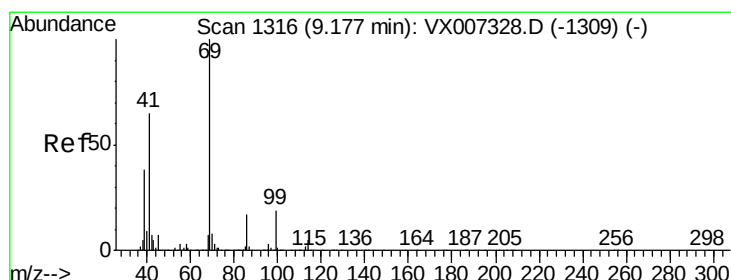
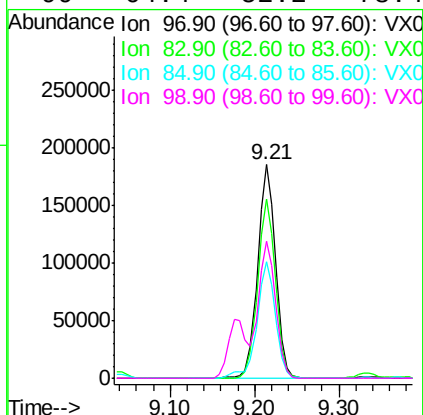
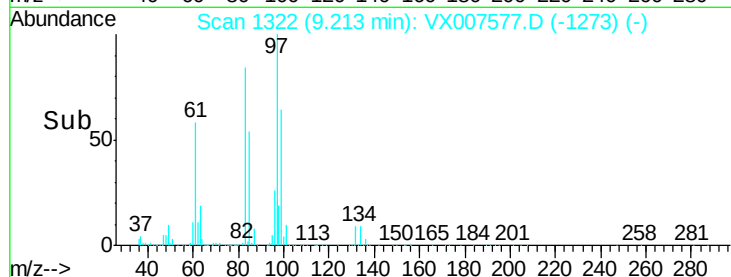
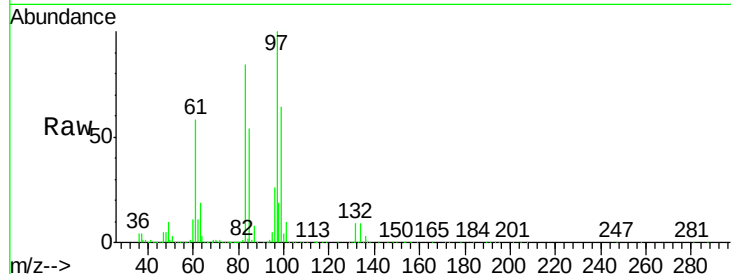
#55
 1,1,2-Trichloroethane
 Concen: 51.617 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	269176
Ion	Ratio	Lower	Upper
97	100		
83	83.6	68.6	102.8
85	54.3	44.5	66.7
99	64.4	52.2	78.4

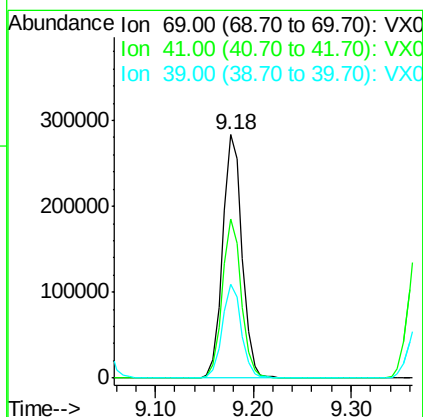
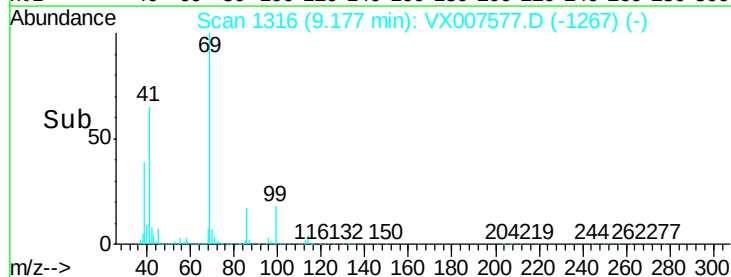
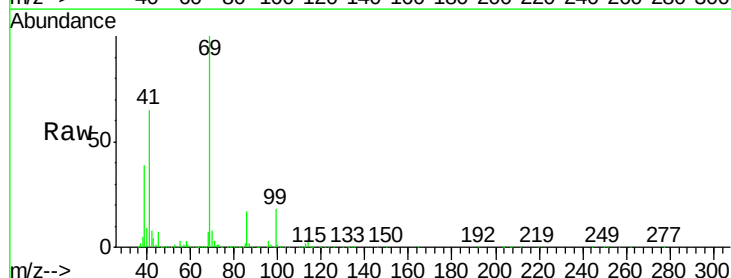
Manual Integrations
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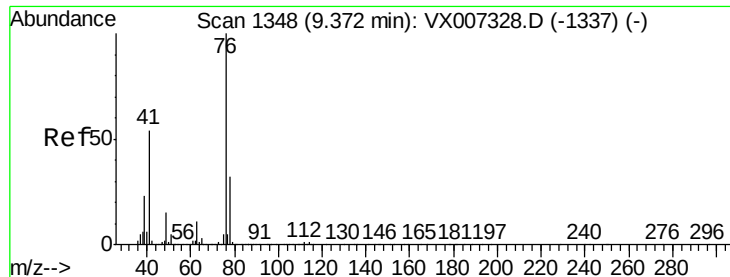
MMDadoda
 2/19/2019 11:01:07 AM



#56
 Ethyl methacrylate
 Concen: 53.732 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Tgt Ion:	69	Resp:	388086
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.1	78.1
39	38.0	30.1	45.1





#57

1,3-Dichloropropane

Concen: 51.114 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 423897

Ion Ratio Lower Upper

76 100

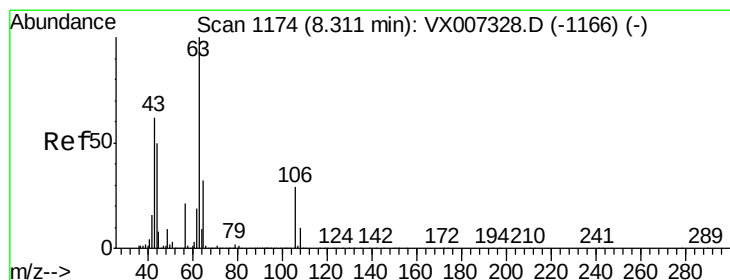
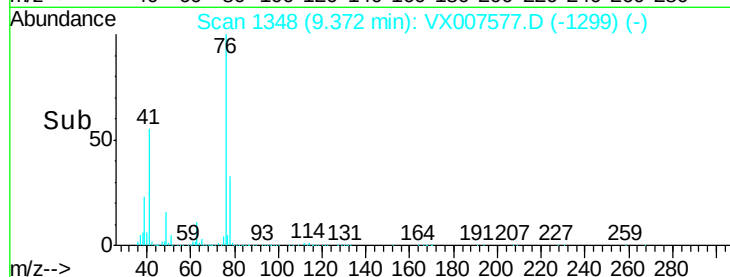
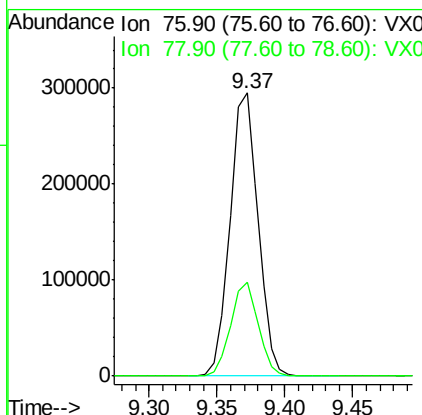
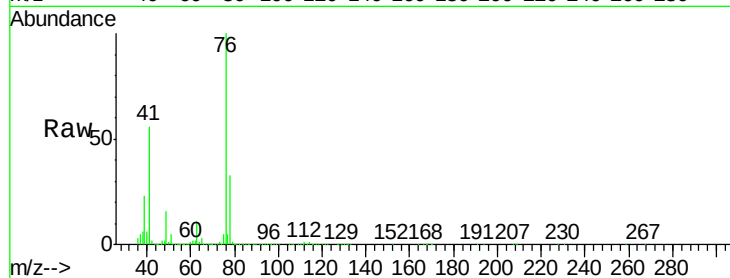
78 32.8 25.8 38.8

Manual Integrations

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MMDadoda

2/19/2019 11:01:07 AM



#58

2-Chloroethyl Vinyl ether

Concen: 334.801 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007577.D

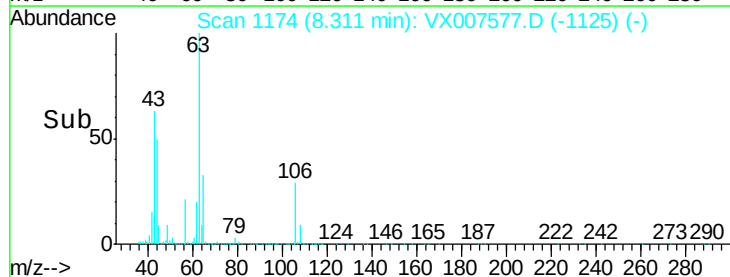
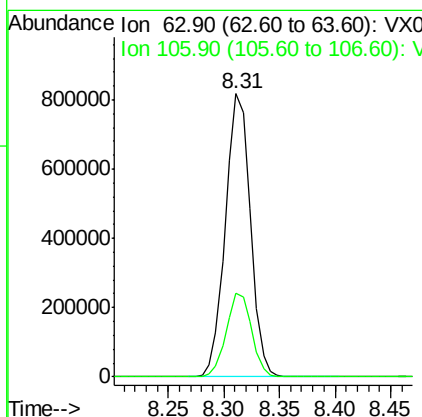
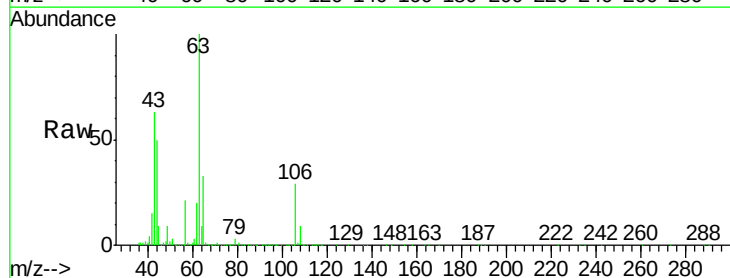
Acq: 18 Feb 2019 09:49

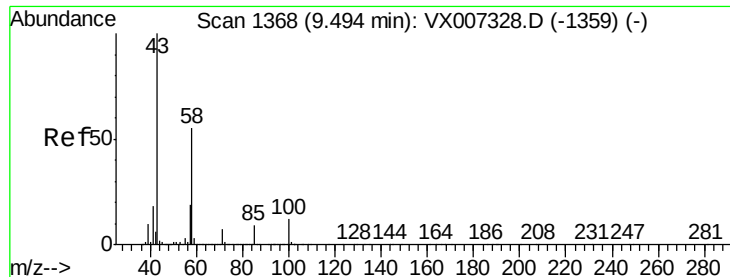
Tgt Ion: 63 Resp: 1274566

Ion Ratio Lower Upper

63 100

106 29.8 23.6 35.4





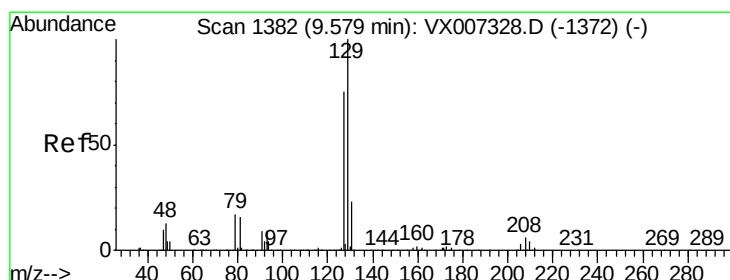
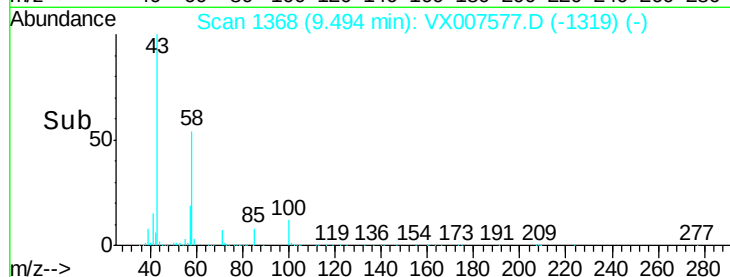
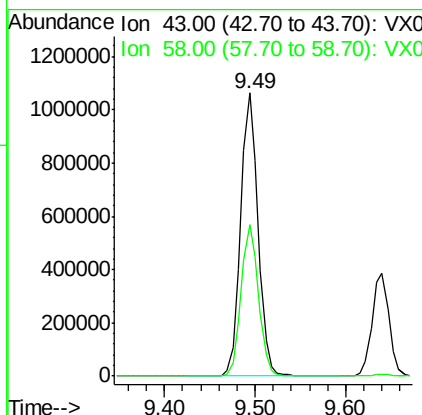
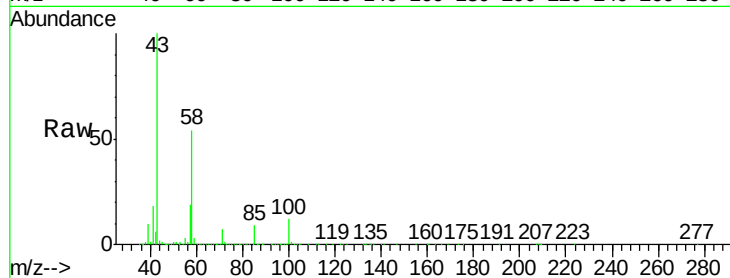
#59
2-Hexanone
Concen: 267.391 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1406861
Ion Ratio Lower Upper
43 100
58 53.8 27.1 81.3

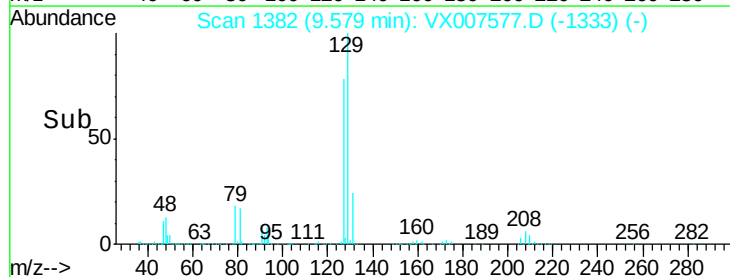
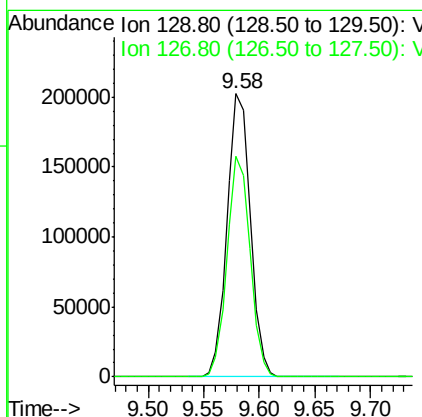
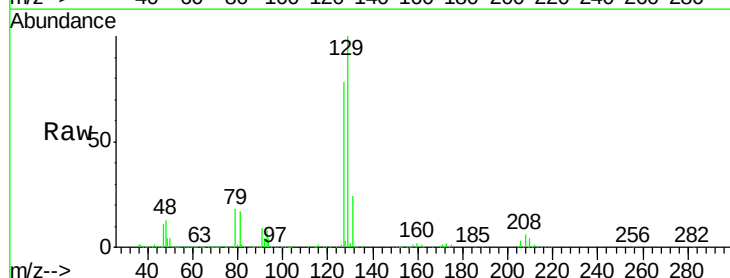
Manual Integrations
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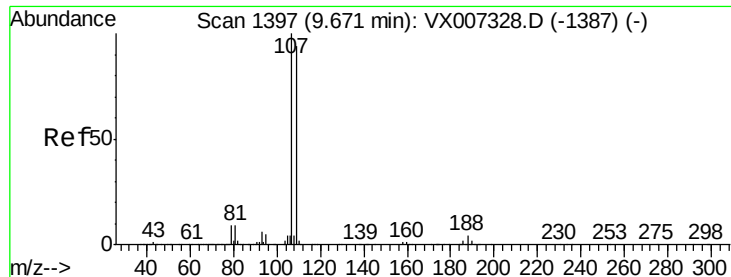
MMDadoda
2/19/2019 11:01:07 AM



#60
Dibromochloromethane
Concen: 59.651 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion: 129 Resp: 294202
Ion Ratio Lower Upper
129 100
127 77.1 37.8 113.4





#61

1,2-Dibromoethane

Concen: 51.477 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 284287

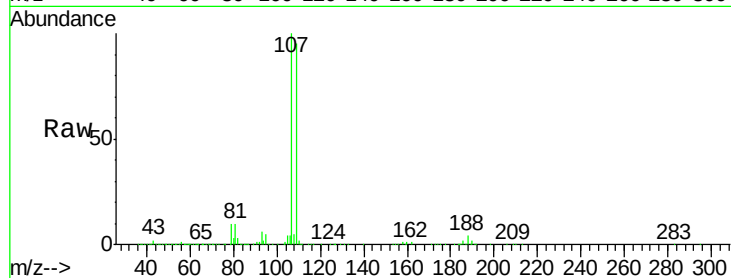
Ion Ratio Lower Upper

107 100

109 94.9 75.1 112.7

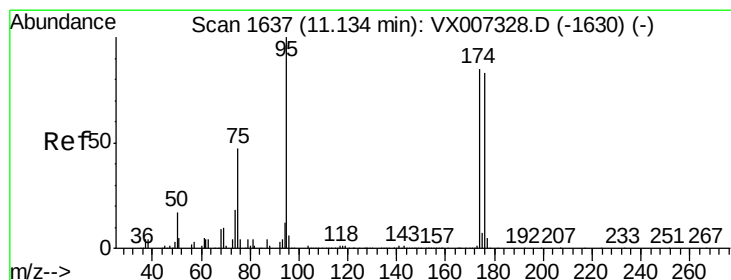
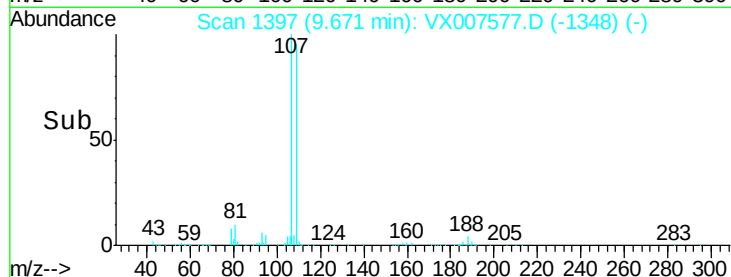
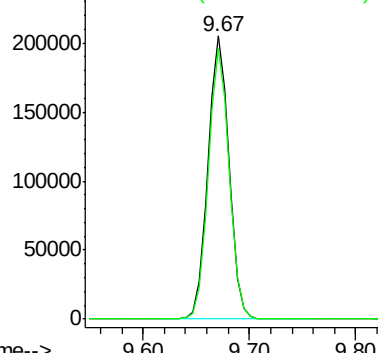
Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:07 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.393 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

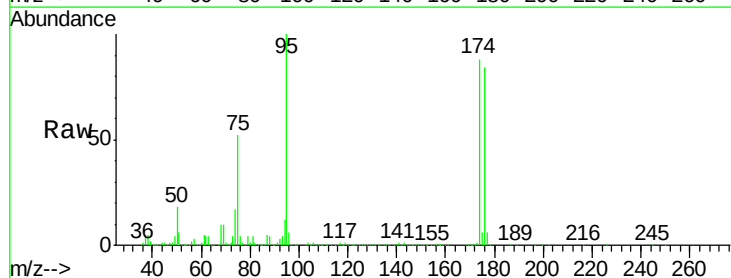
Tgt Ion: 95 Resp: 306453

Ion Ratio Lower Upper

95 100

174 94.1 0.0 189.2

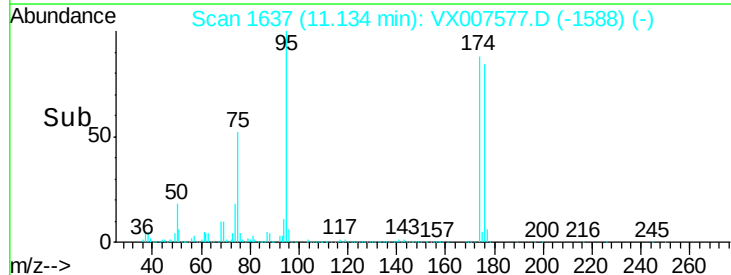
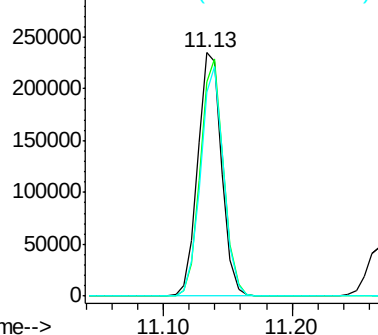
176 90.6 0.0 186.2

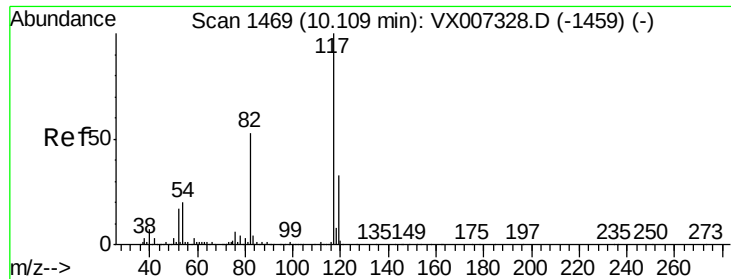


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

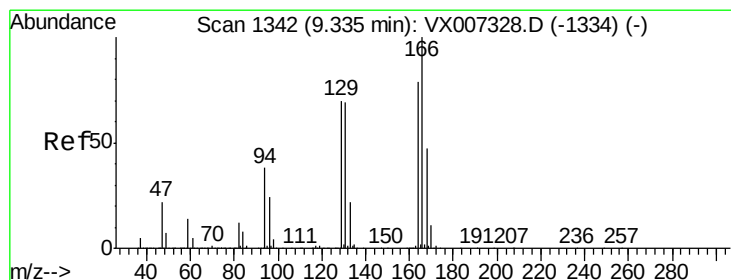
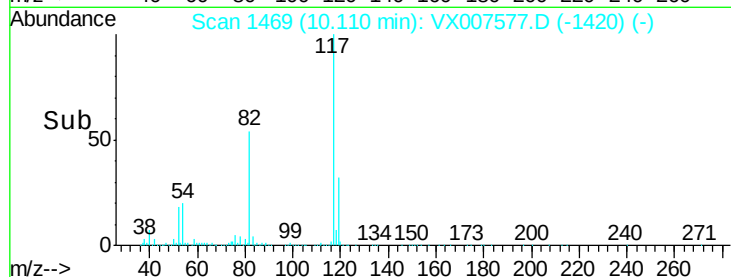
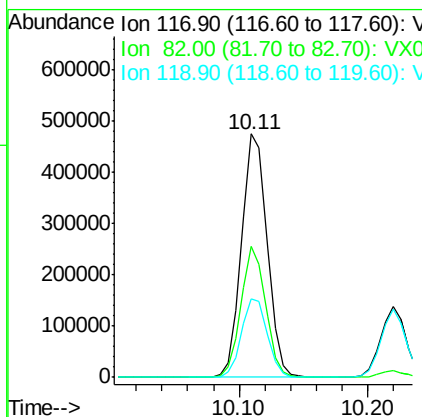
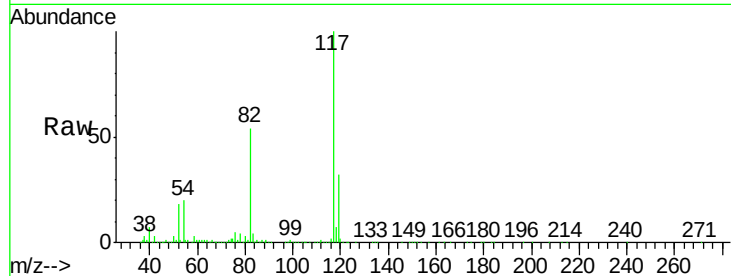
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	653864
Ion Ratio	Lower	Upper	
117	100		
82	53.6	42.1	63.1
119	32.4	26.5	39.7

Manual Integrations
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#64

Tetrachloroethene

Concen: 48.731 ug/l

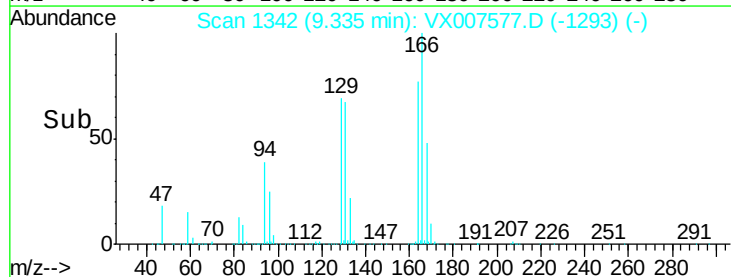
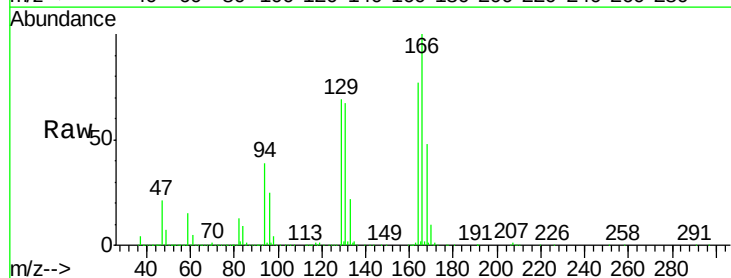
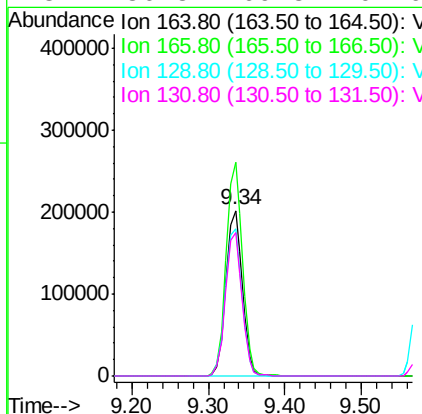
RT: 9.34 min Scan# 1342

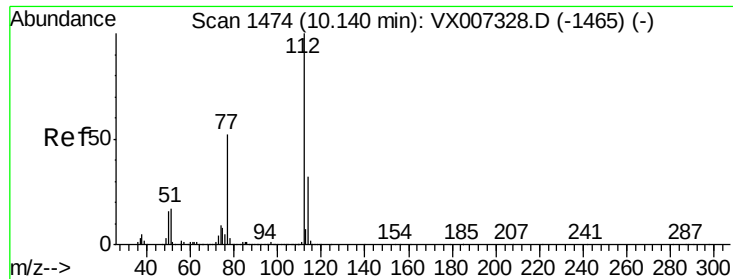
Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion:	164	Resp:	300324
Ion Ratio	Lower	Upper	
164	100		
166	129.2	101.0	151.4
129	89.4	70.5	105.7
131	86.8	69.8	104.6





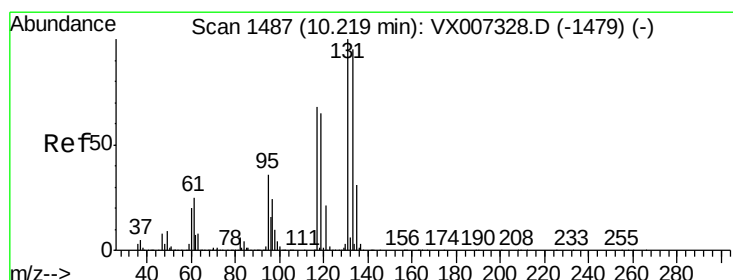
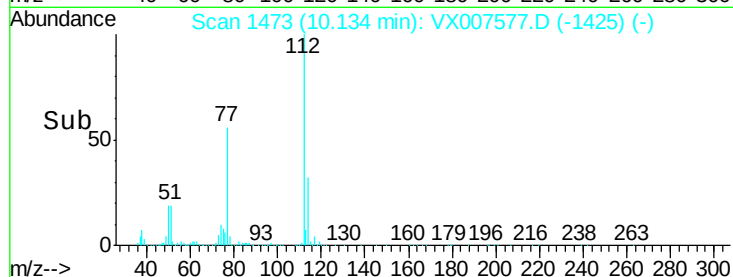
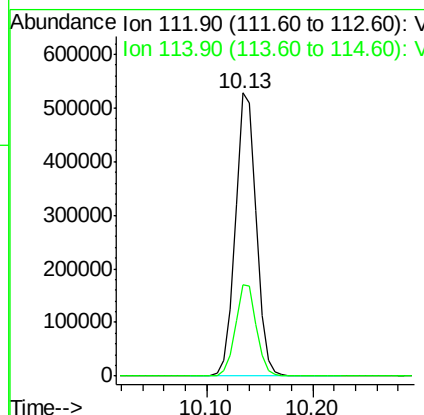
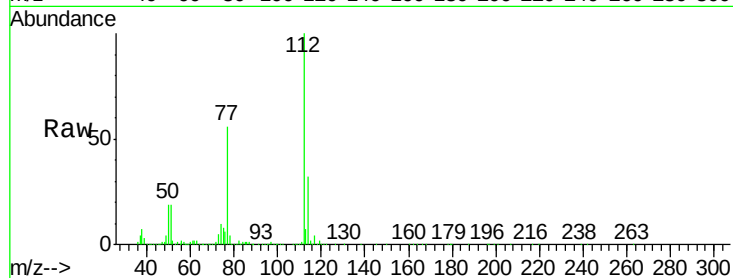
#65
Chlorobenzene
Concen: 50.905 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6

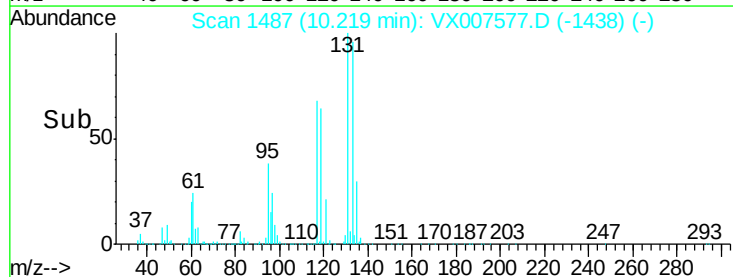
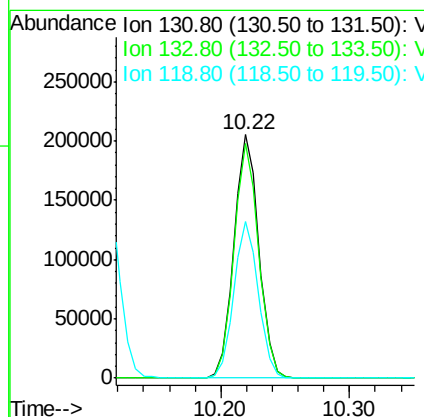
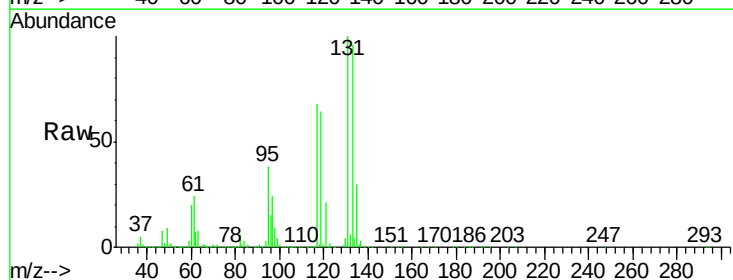
Manual Integrations
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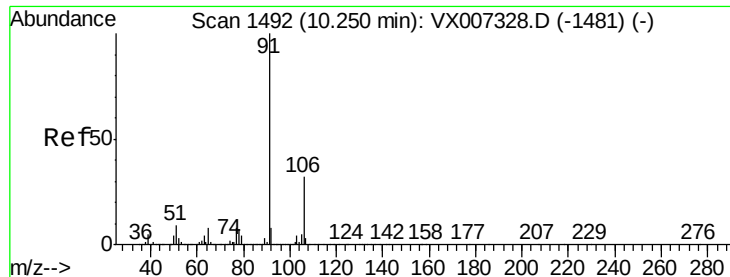
MMDadoda
2/19/2019 11:01:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.980 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.0	144.2
119	63.4	32.0	96.0





#67

Ethyl Benzene

Concen: 52.918 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1215944

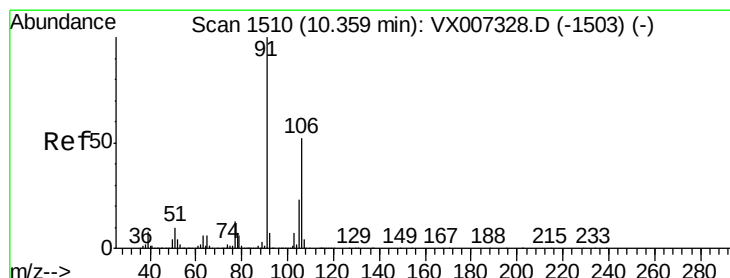
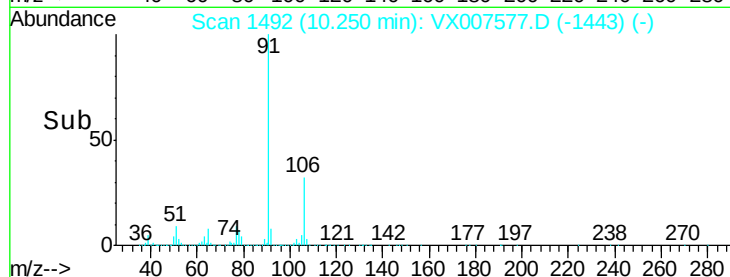
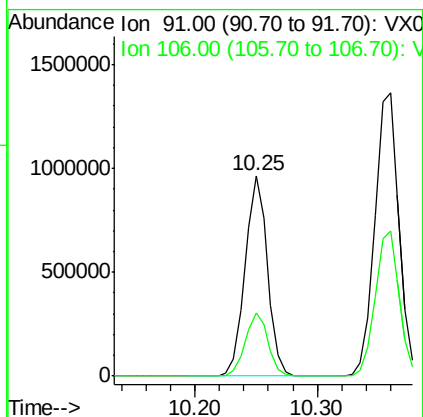
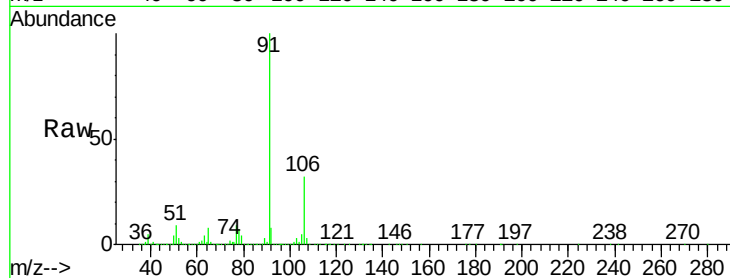
Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 104.387 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007577.D

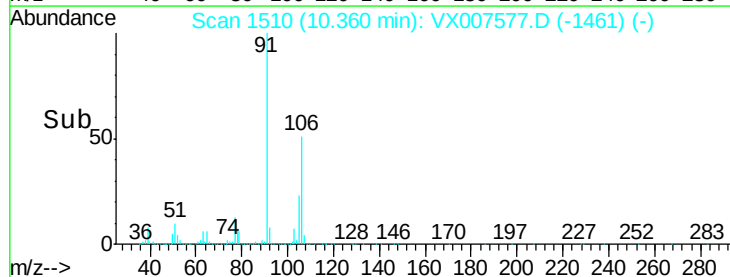
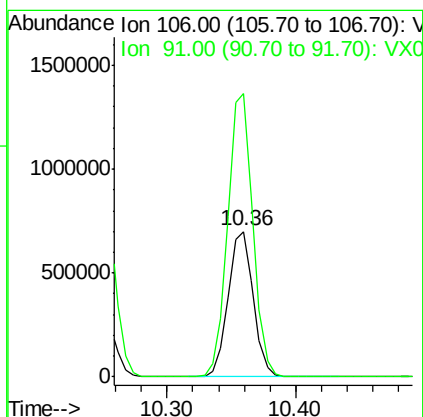
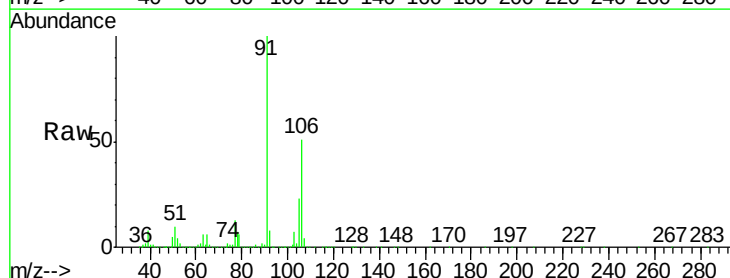
Acq: 18 Feb 2019 09:49

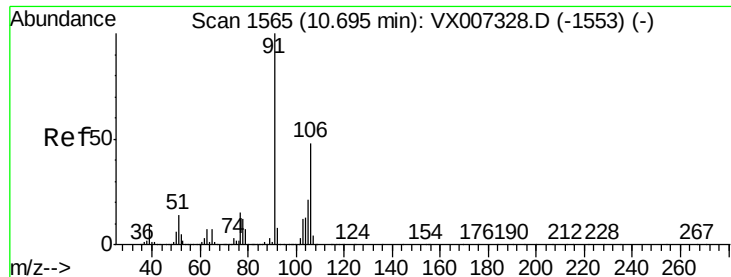
Tgt Ion: 106 Resp: 953466

Ion Ratio Lower Upper

106 100

91 195.6 156.6 234.8





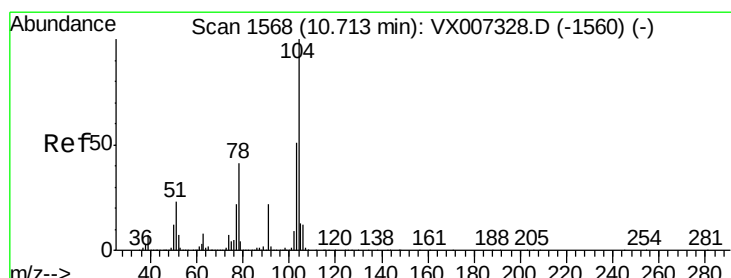
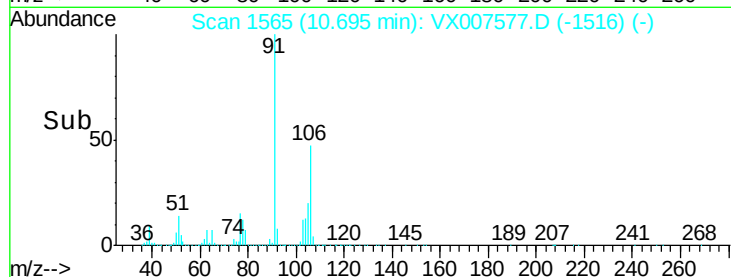
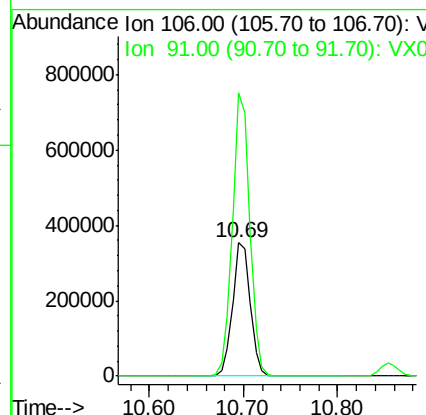
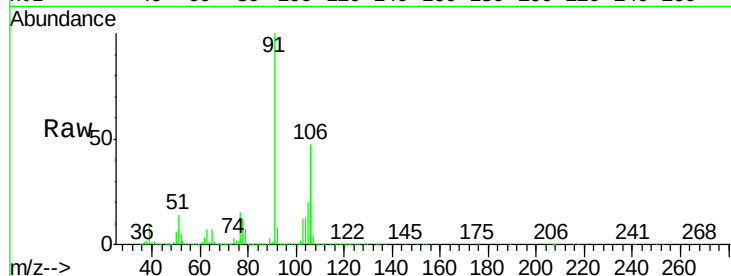
#69
o-Xylene
Concen: 52.843 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	207.1	102.9	308.7	

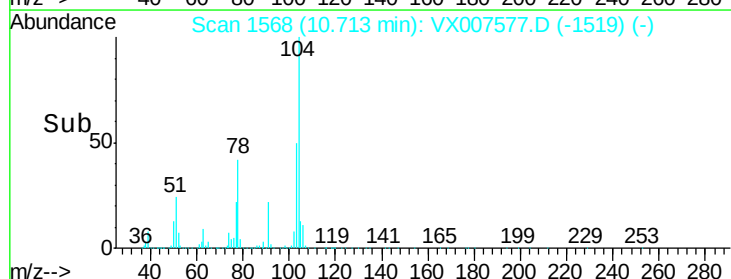
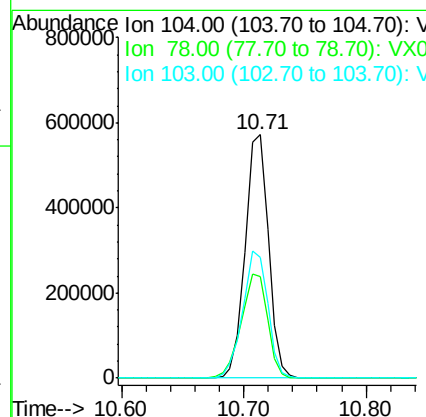
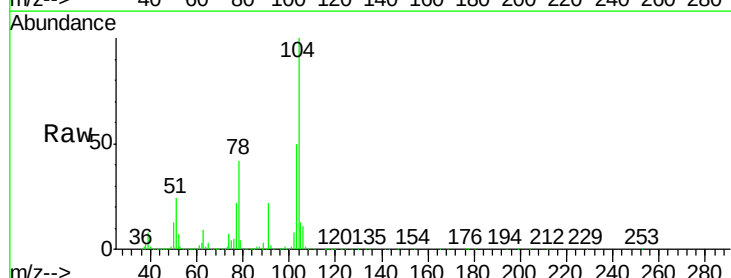
Manual Integrations
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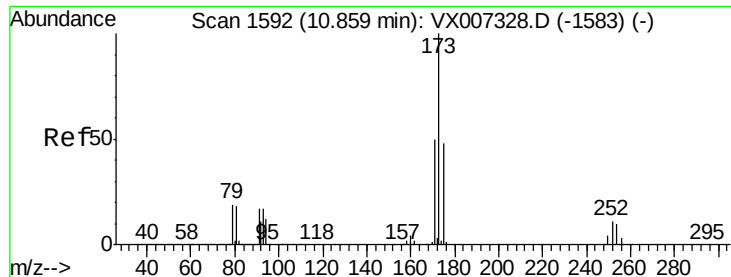
MMDadoda
2/19/2019 11:01:07 AM



#70
Styrene
Concen: 53.066 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	48.1	38.3	57.5	
103	56.1	44.6	67.0	





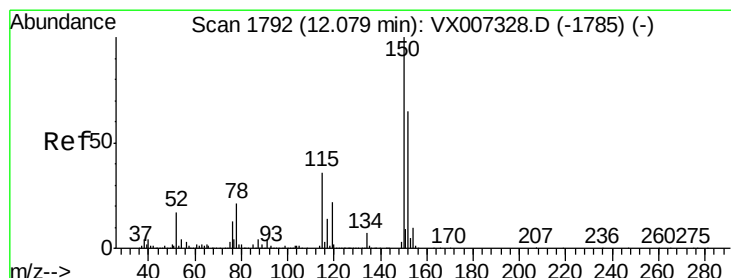
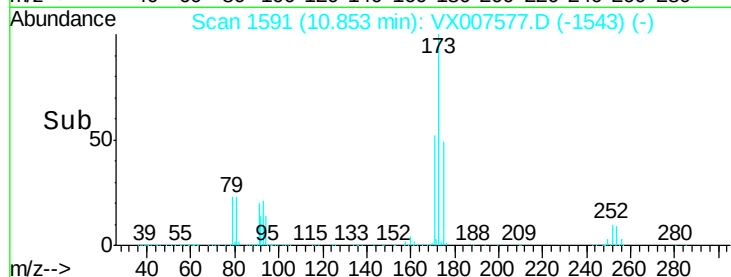
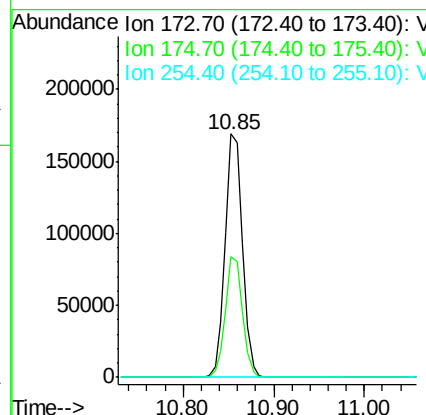
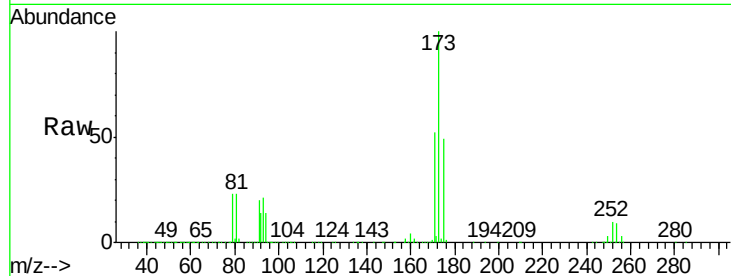
#71
Bromoform
Concen: 53.656 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.1	0.2	0.2#

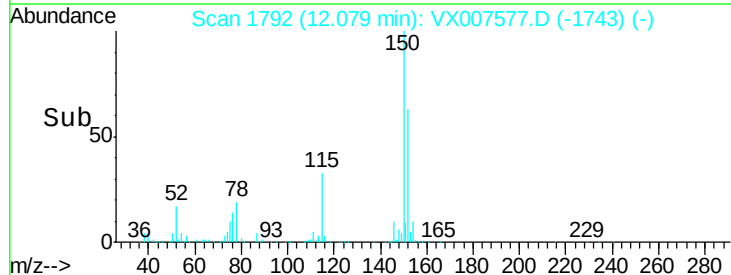
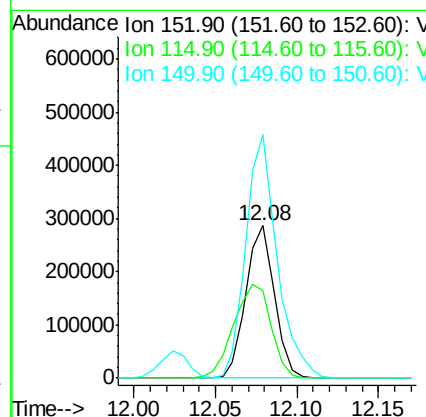
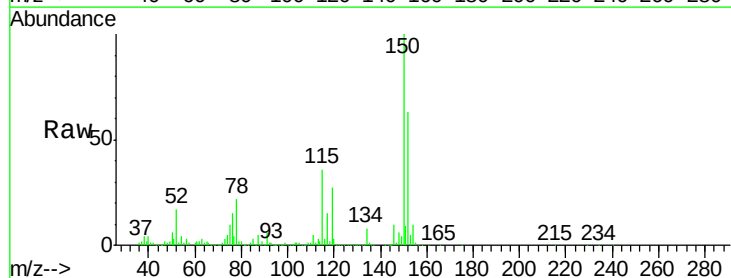
Manual Integrations
APPROVED

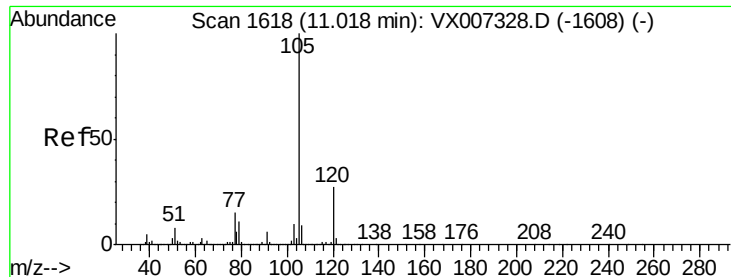
MMDadoda
2/19/2019 11:01:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.2	38.0	114.0
150	174.7	0.0	346.4





#73

Isopropylbenzene

Concen: 53.356 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1275068

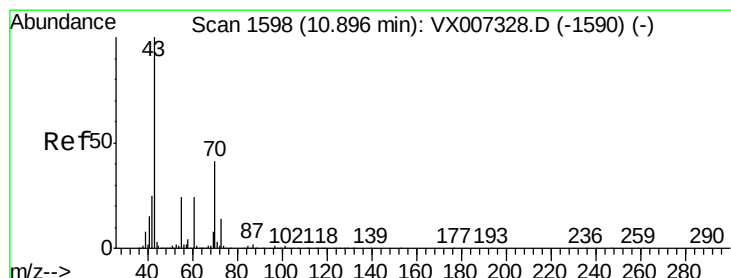
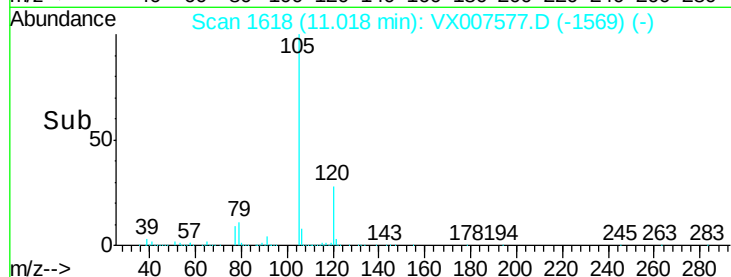
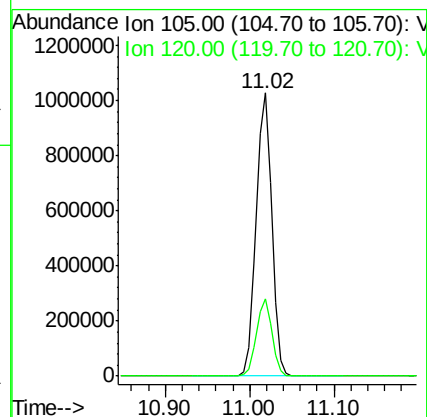
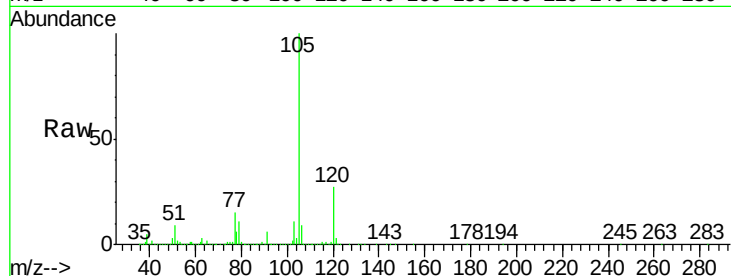
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7

Manual Integrations
APPROVED

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2/19/2019 11:01:07 AM



#74

N-ethyl acetate

Concen: 53.834 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion: 43 Resp: 497592

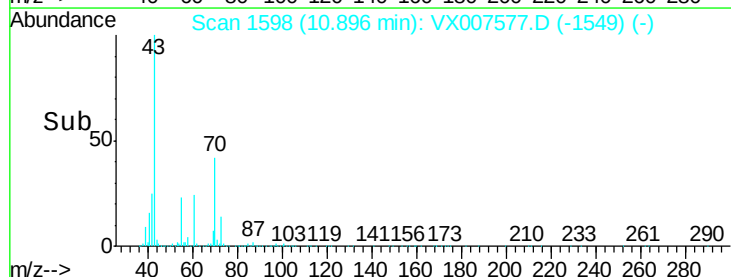
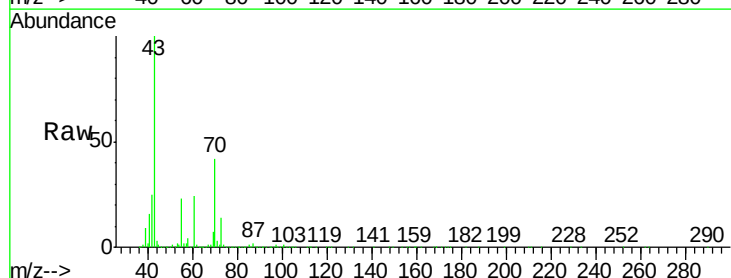
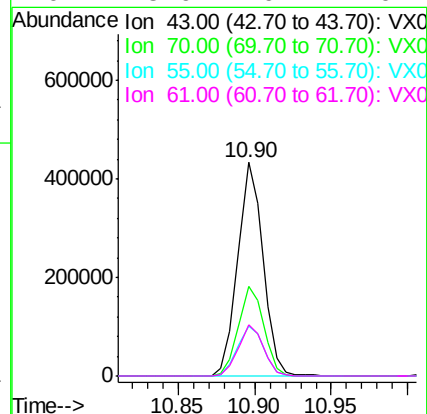
Ion Ratio Lower Upper

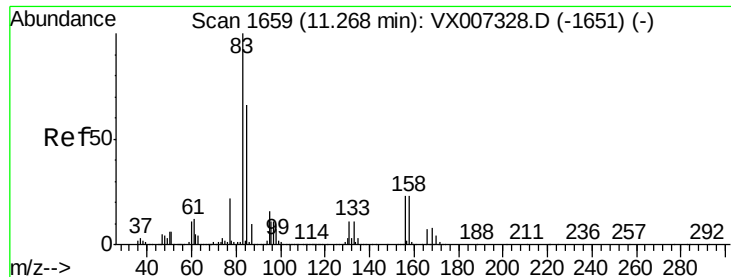
43 100

70 42.5 33.8 50.6

55 24.1 19.5 29.3

61 23.9 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.162 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

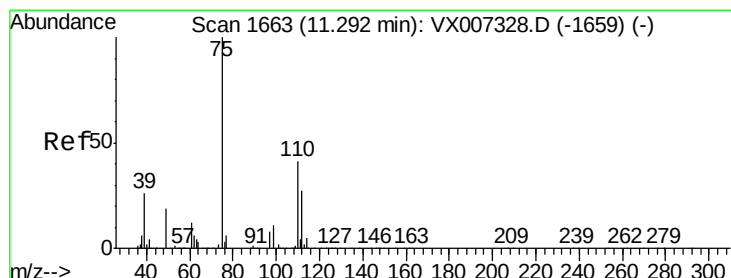
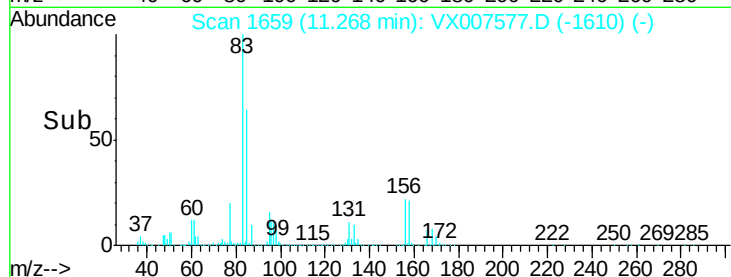
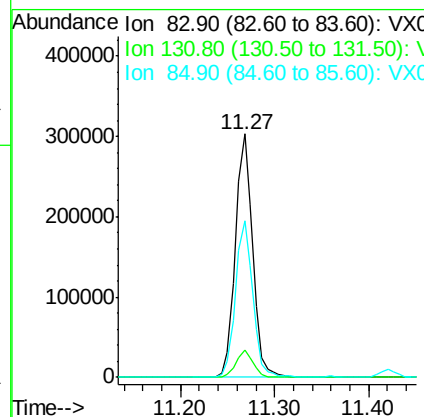
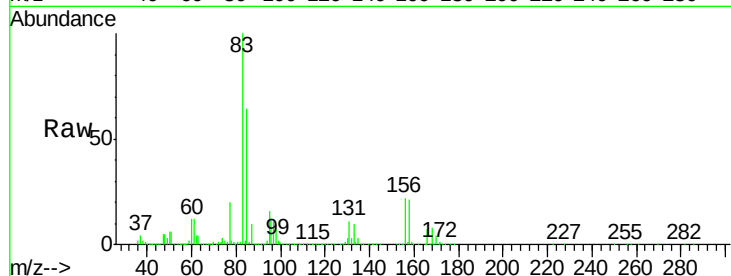
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	387172
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	64.4	32.8	98.3

Manual Integrations
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2/19/2019 11:01:07 AM



#76

1,2,3-Trichloropropane

Concen: 54.834 ug/l m

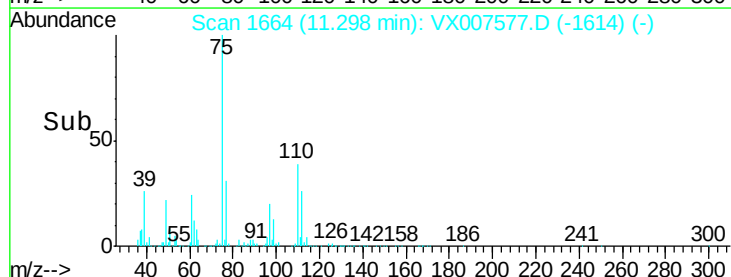
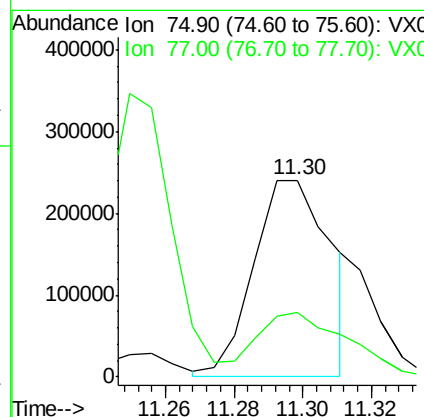
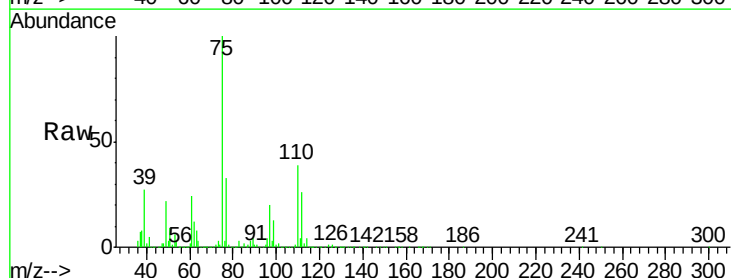
RT: 11.30 min Scan# 1664

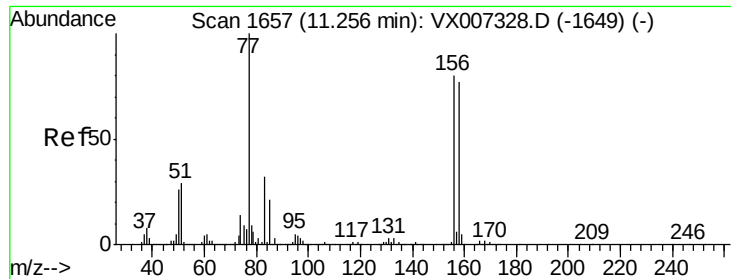
Delta R.T. 0.01 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion:	75	Resp:	375076
Ion Ratio	Lower	Upper	
75	100		
77	39.3	23.0	69.0





#77

Bromobenzene

Concen: 50.063 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

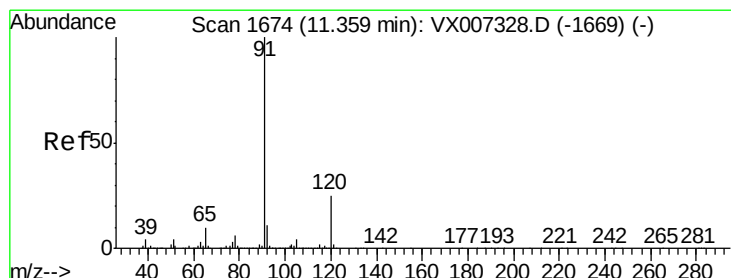
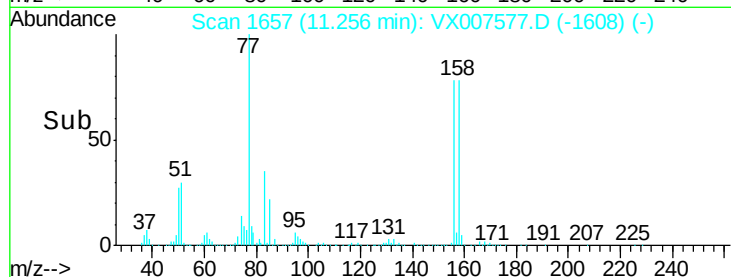
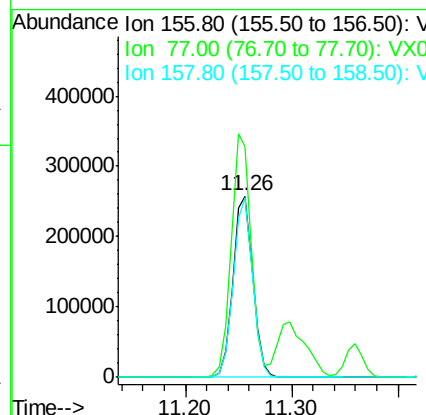
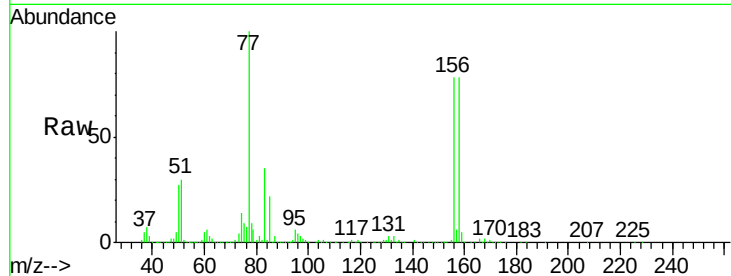
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.5	66.8	200.6
158	96.9	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 54.899 ug/l

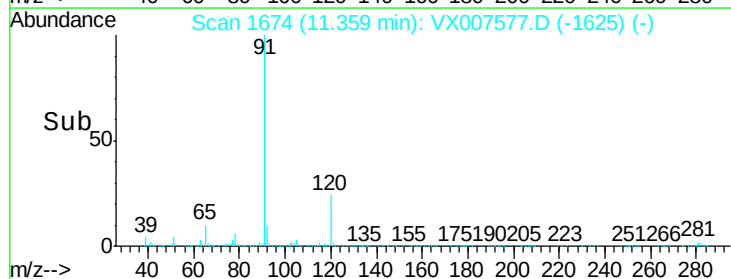
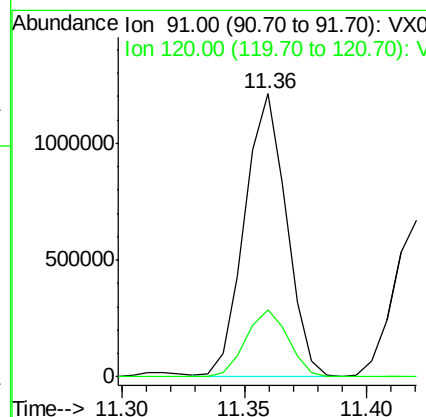
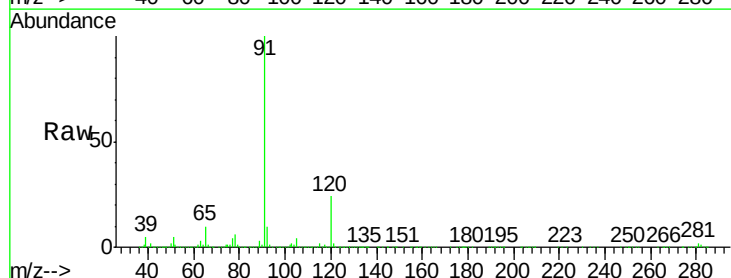
RT: 11.36 min Scan# 1674

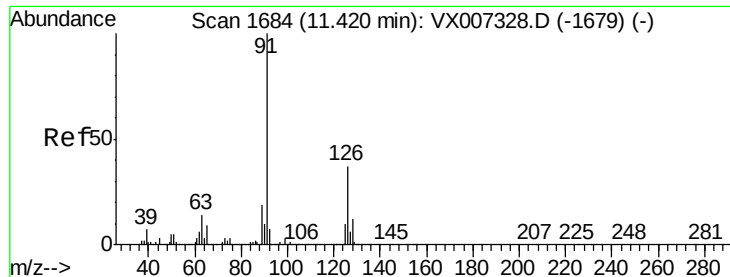
Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.4	37.2





#79

2-Chlorotoluene

Concen: 51.649 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 821241

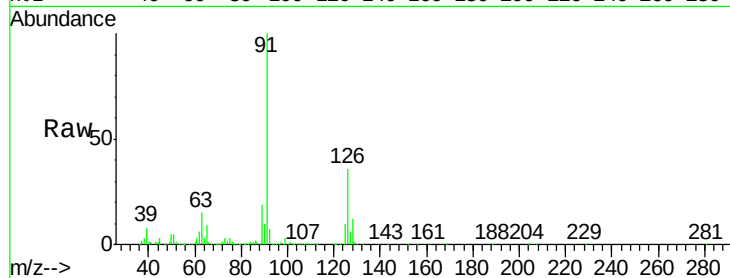
Ion Ratio Lower Upper

91 100

126 36.7 18.7 56.1

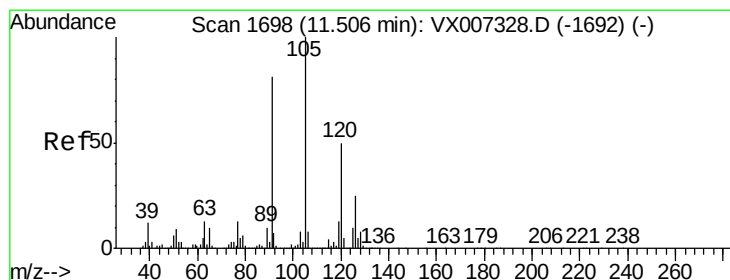
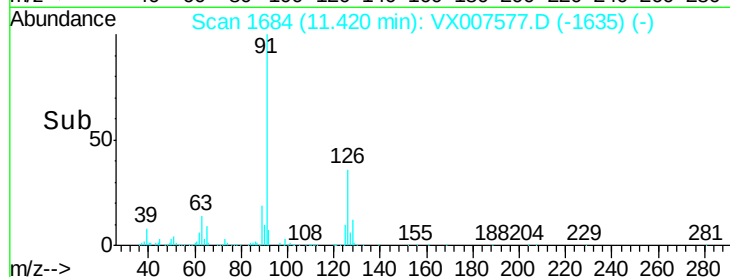
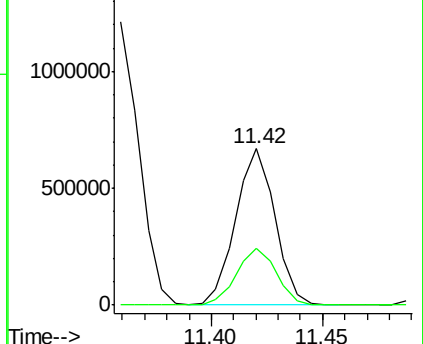
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Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007328.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.500 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007577.D

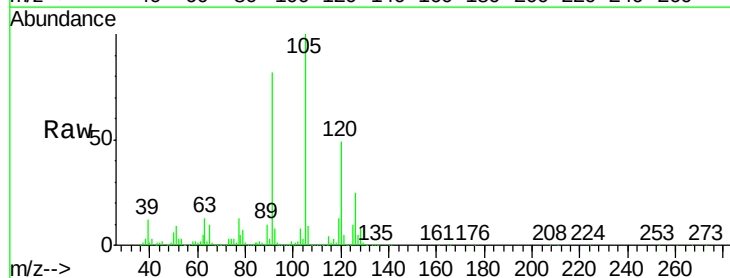
Acq: 18 Feb 2019 09:49

Tgt Ion: 105 Resp: 1045964

Ion Ratio Lower Upper

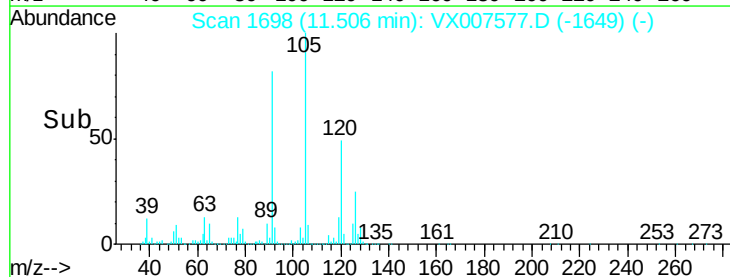
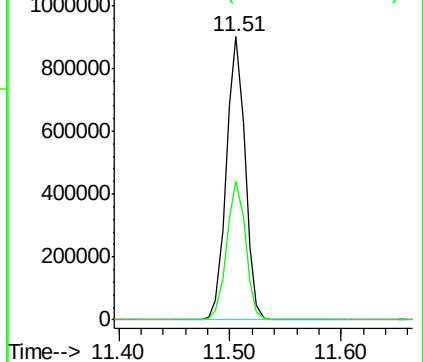
105 100

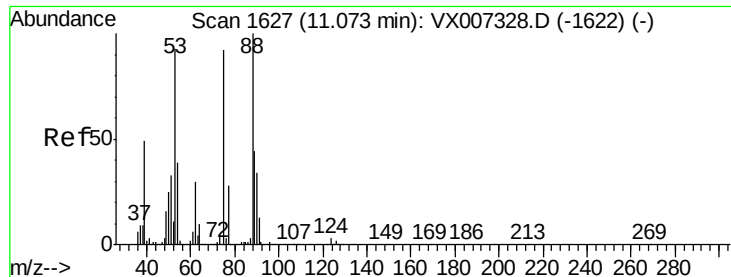
120 49.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007328.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007328.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.127 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

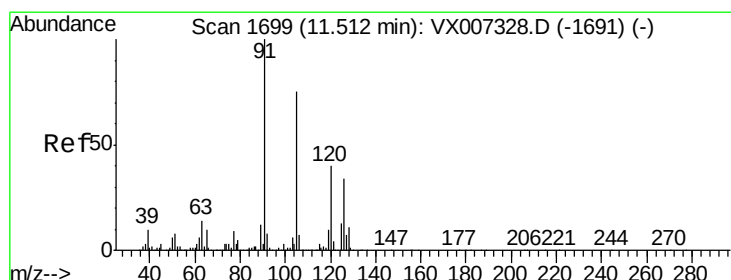
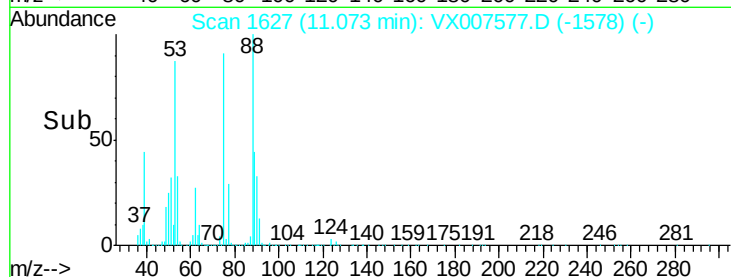
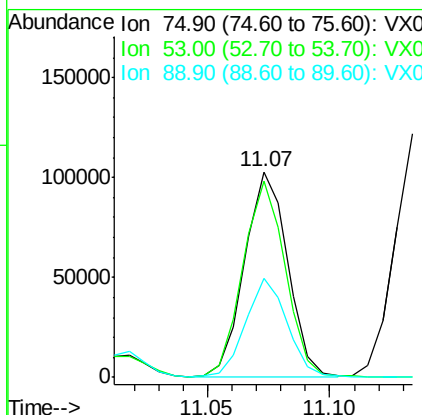
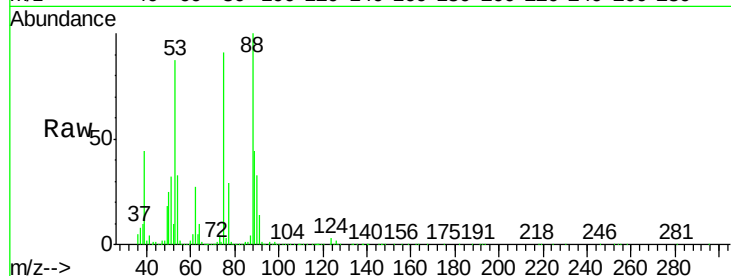
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	125463
Ion	Ratio	Lower	Upper
75	100		
53	94.5	81.0	121.6
89	47.1	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.943 ug/l

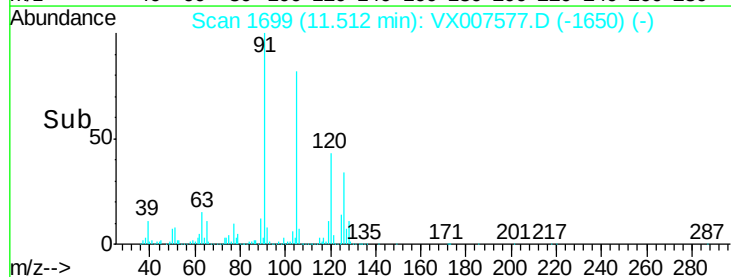
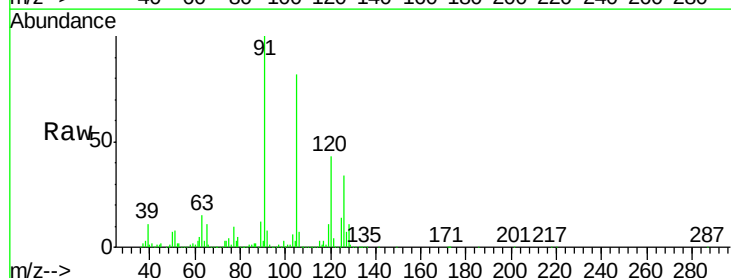
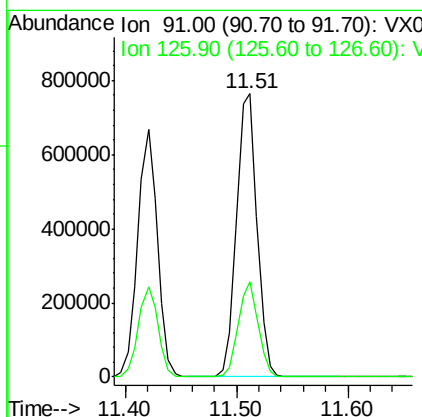
RT: 11.51 min Scan# 1699

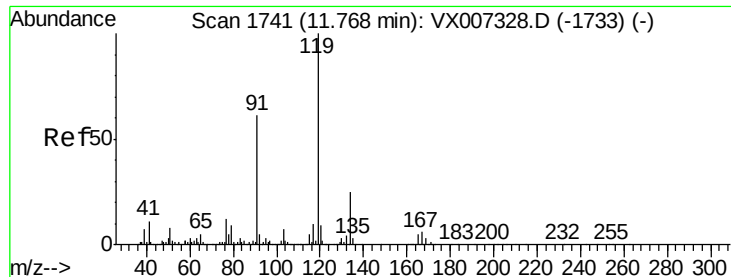
Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion:	91	Resp:	974068
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.5





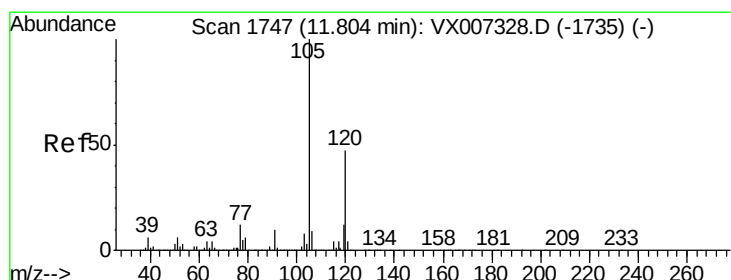
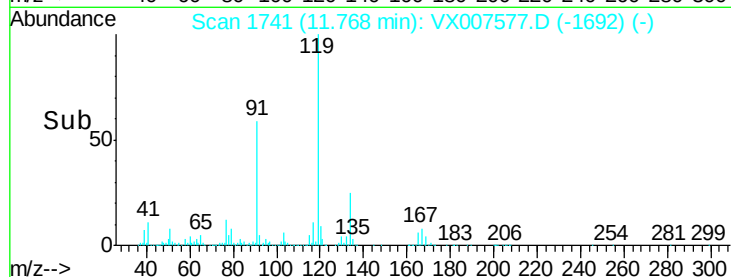
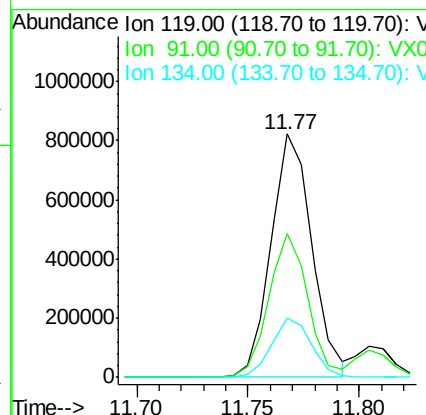
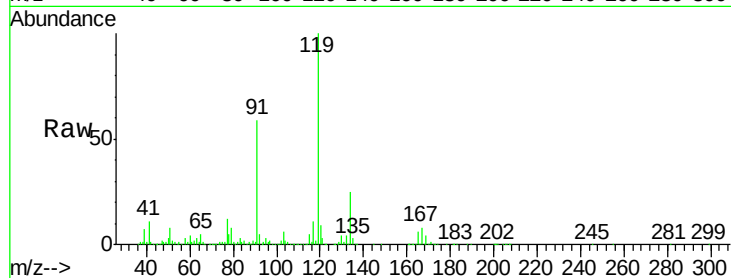
#83
tert-Butylbenzene
Concen: 54.162 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	28.5	85.6
134	23.9	12.0	36.0

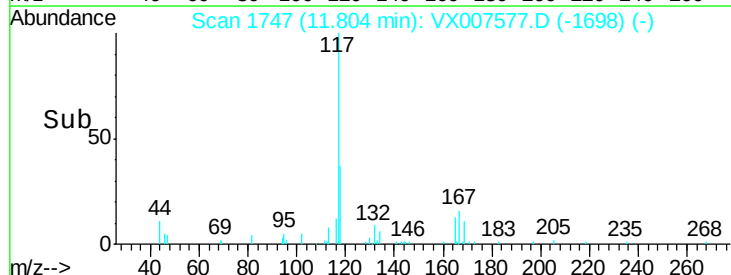
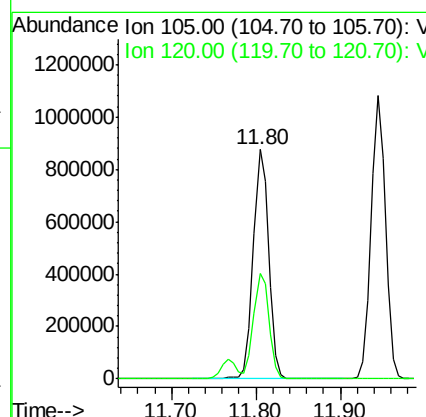
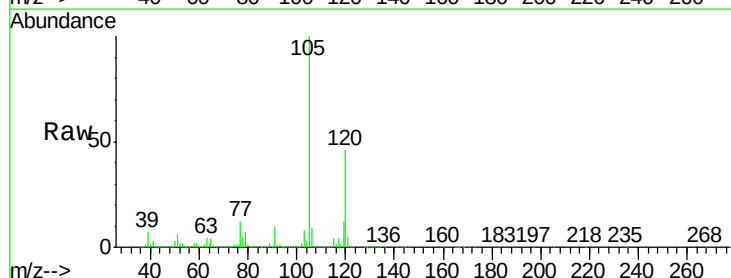
Manual Integrations
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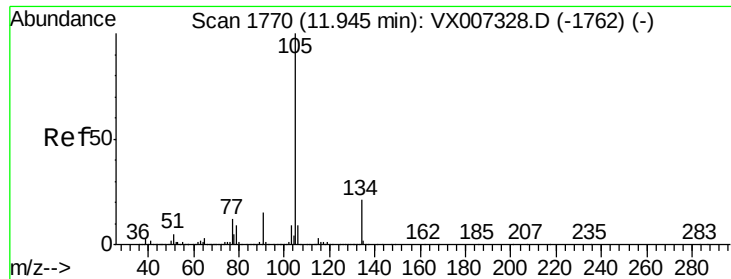
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#84
1,2,4-Trimethylbenzene
Concen: 53.433 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.3





#85

sec-Butylbenzene

Concen: 55.108 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1291038

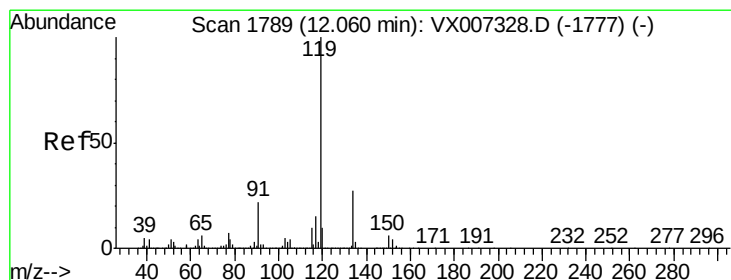
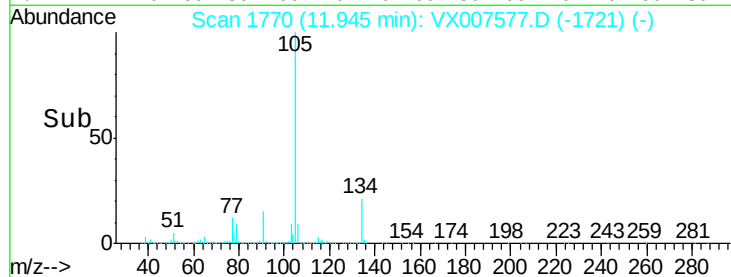
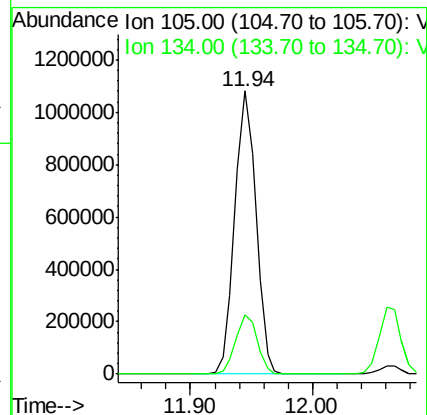
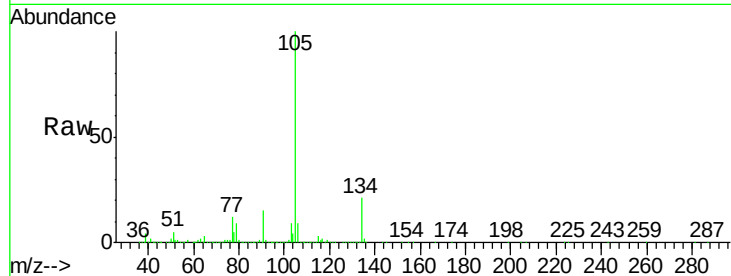
Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 54.893 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

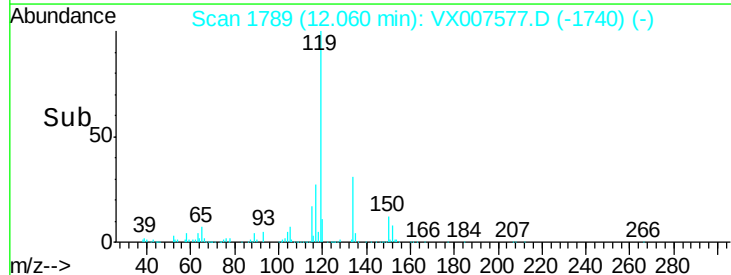
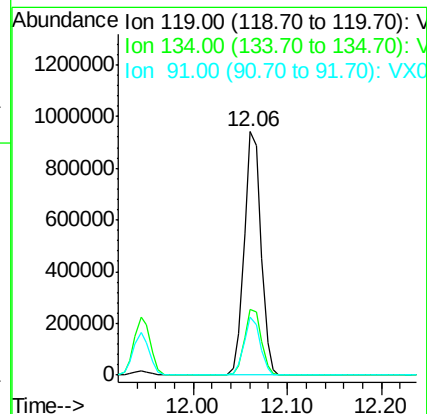
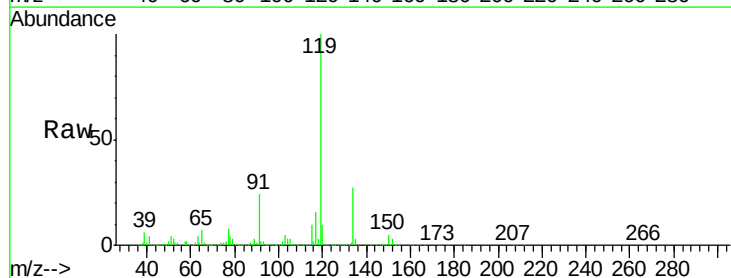
Tgt Ion:119 Resp: 1160877

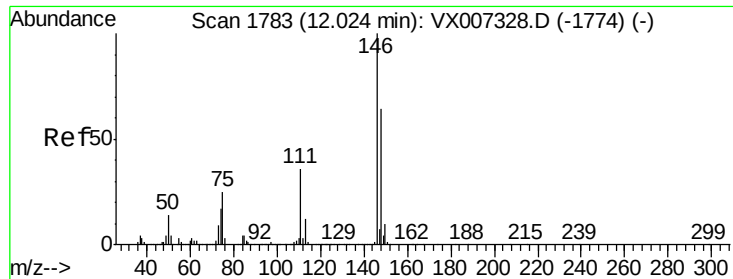
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 22.9 11.2 33.5





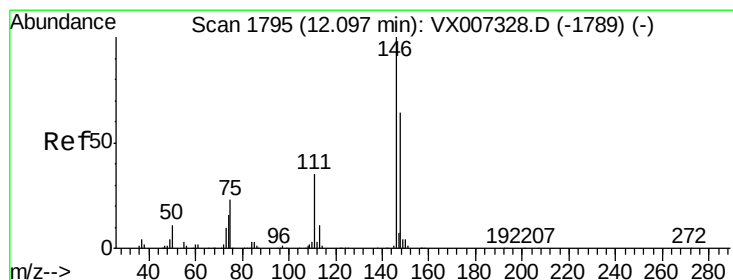
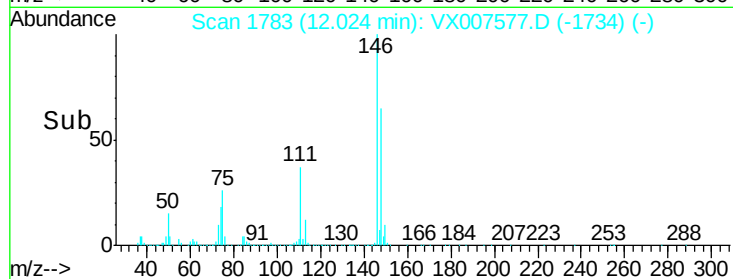
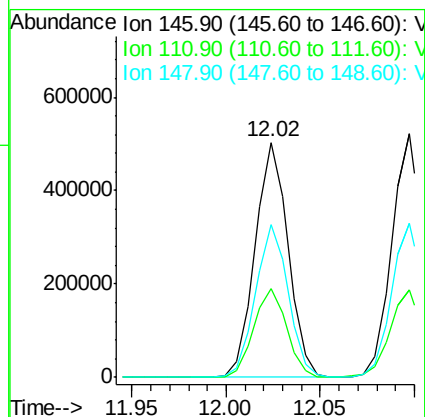
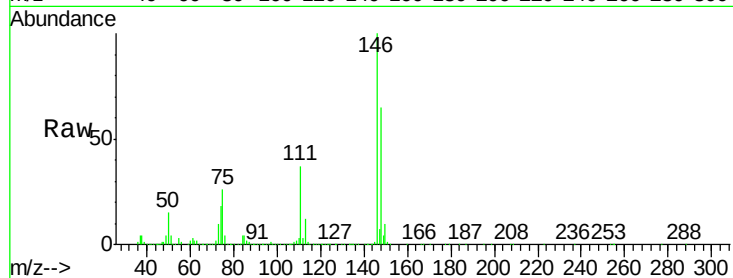
#87
 1,3-Dichlorobenzene
 Concen: 50.670 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	64.3	32.0	96.2

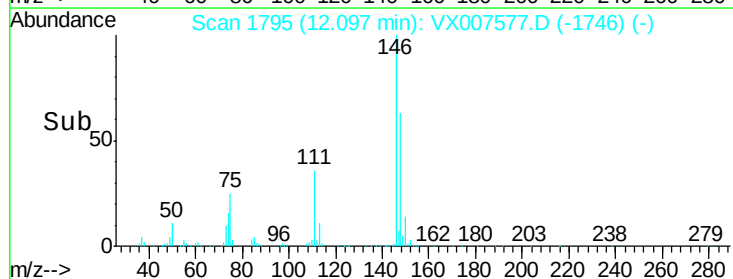
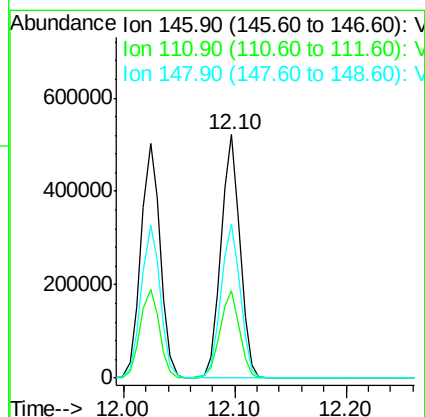
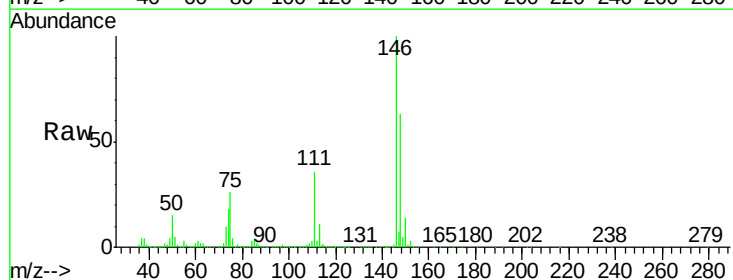
Manual Integrations
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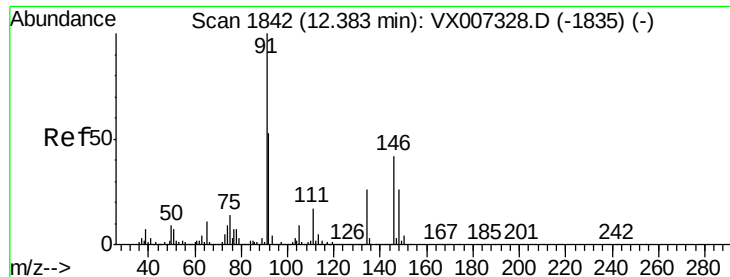
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#88
 1,4-Dichlorobenzene
 Concen: 50.187 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	64.6	32.3	96.9





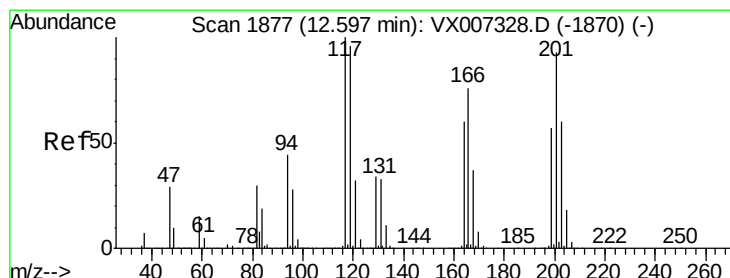
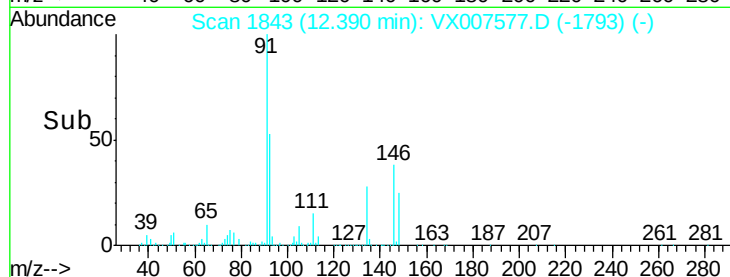
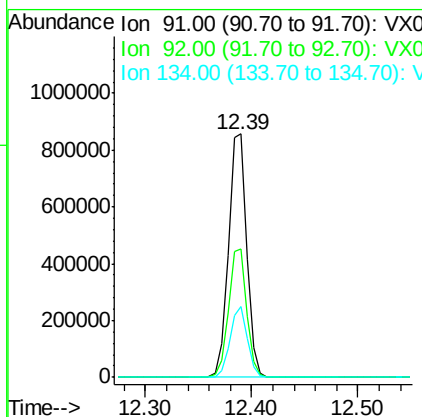
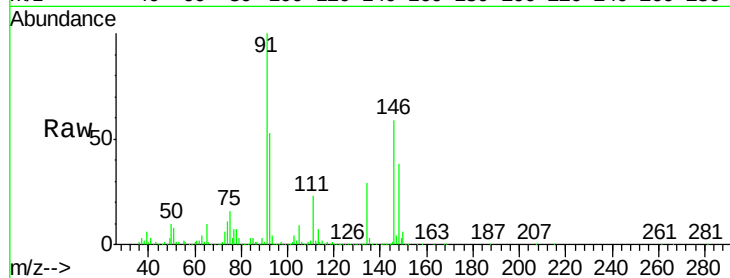
#89
n-Butylbenzene
Concen: 56.550 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1028772
Ion Ratio Lower Upper
91 100
92 52.3 26.3 78.9
134 27.6 13.9 41.6

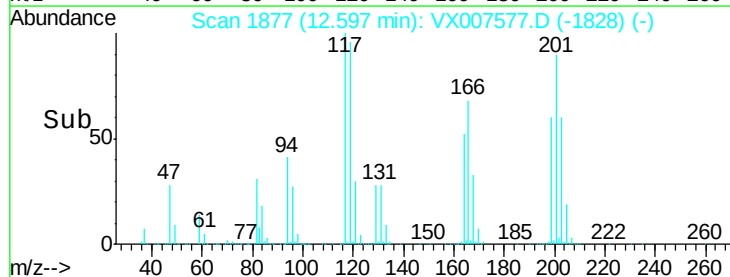
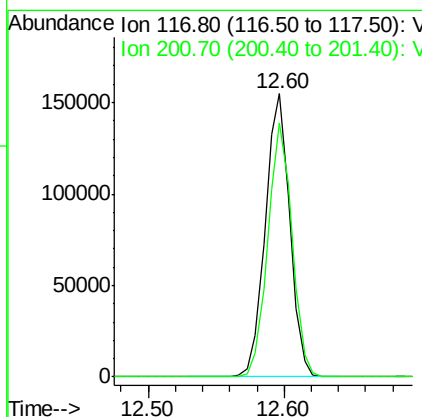
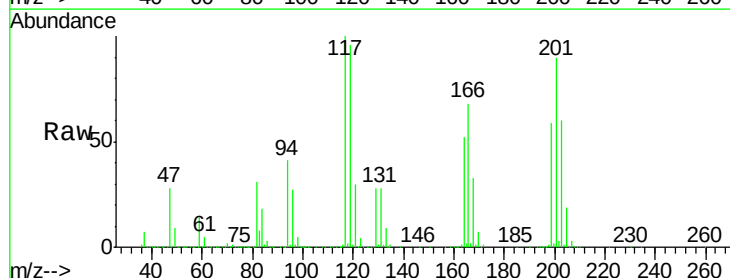
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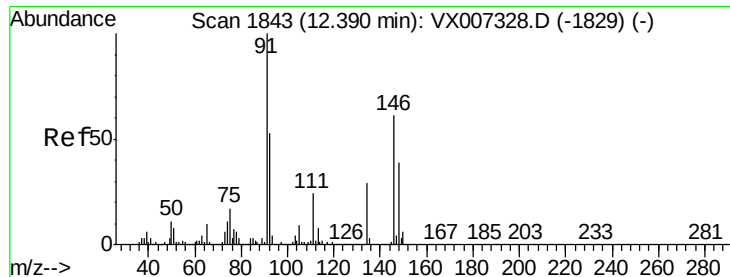
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#90
Hexachloroethane
Concen: 61.964 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion: 117 Resp: 196120
Ion Ratio Lower Upper
117 100
201 88.6 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 50.695 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Instrument :

MSVOA_X

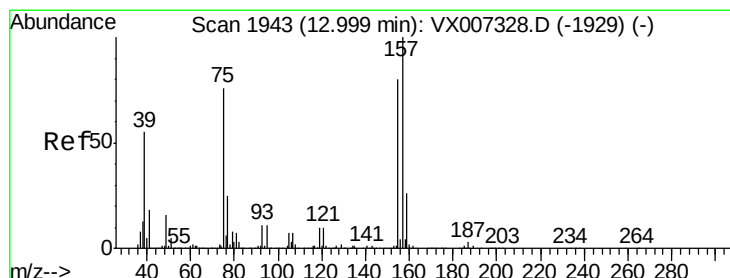
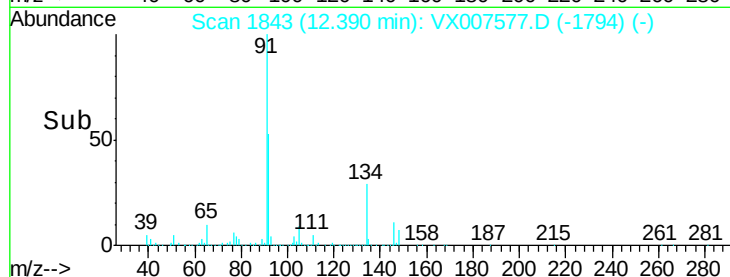
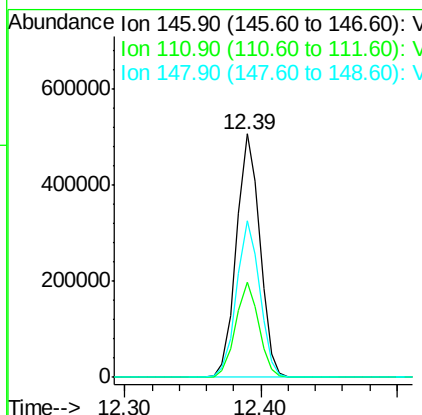
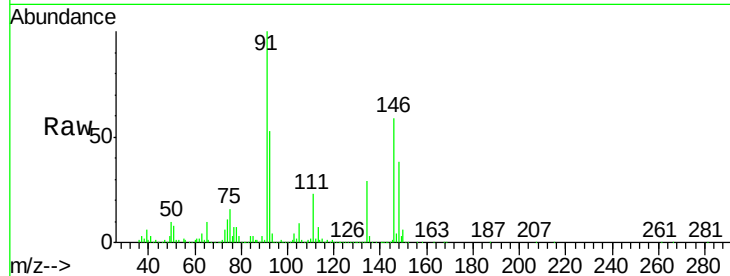
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	609645
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.3
148	63.8	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 56.050 ug/l

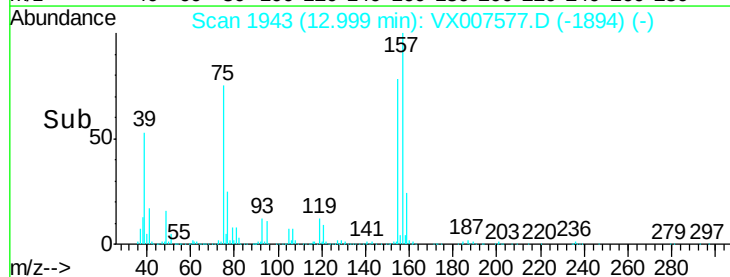
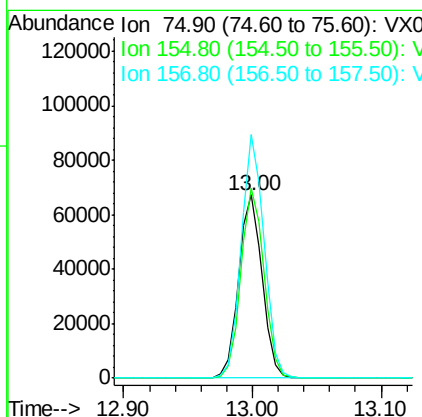
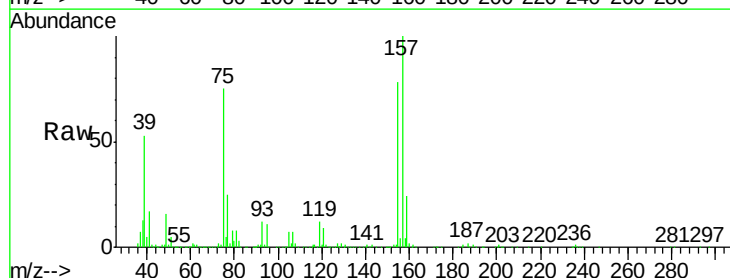
RT: 13.00 min Scan# 1943

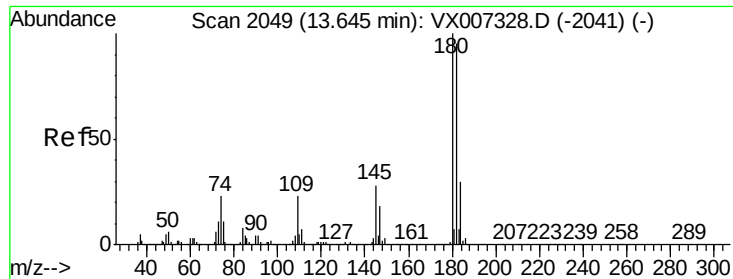
Delta R.T. 0.00 min

Lab File: VX007577.D

Acq: 18 Feb 2019 09:49

Tgt Ion:	75	Resp:	84879
Ion Ratio	Lower	Upper	
75	100		
155	101.4	49.6	149.0
157	128.9	65.1	195.3





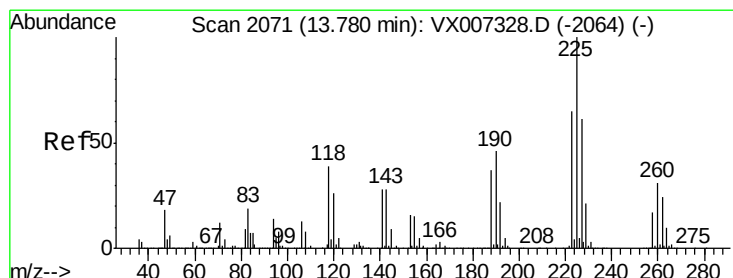
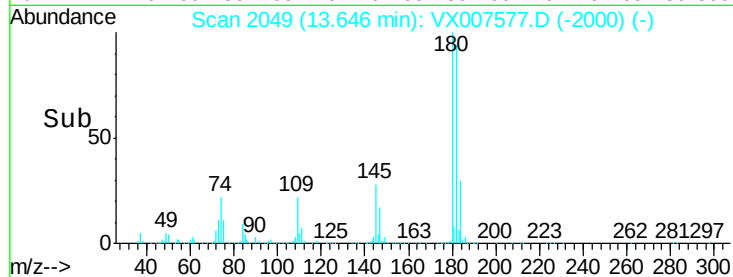
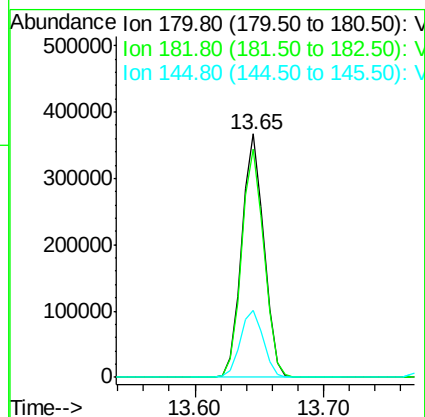
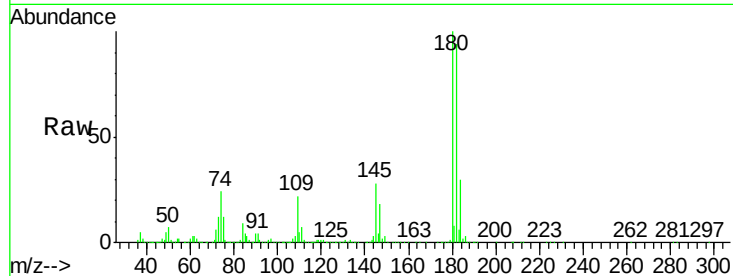
#93
 1,2,4-Trichlorobenzene
 Concen: 53.919 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	437281		
182	94.8	47.8	143.3	
145	28.8	14.1	42.2	

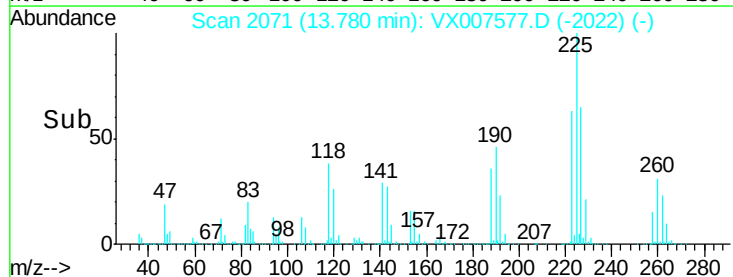
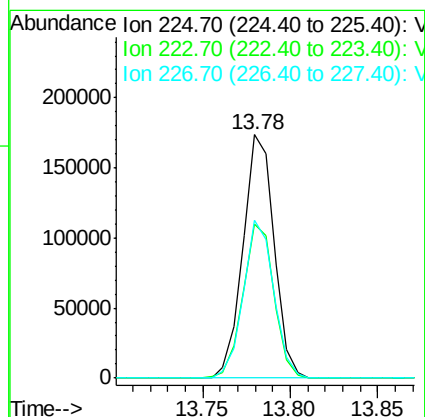
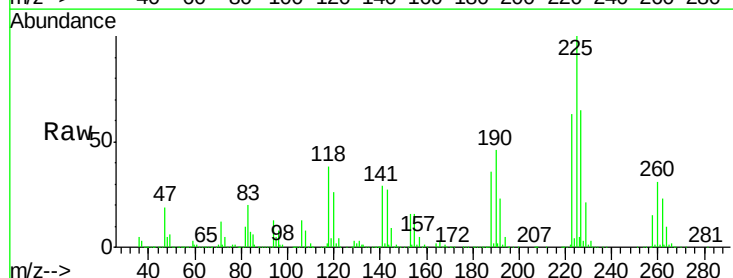
Manual Integrations
 APPROVED

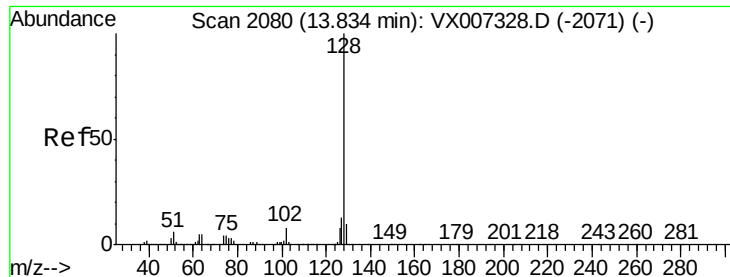
MMDadoda
 2/19/2019 11:01:07 AM



#94
 Hexachlorobutadiene
 Concen: 54.536 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007577.D
 Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	214761		
223	63.0	31.6	94.8	
227	63.4	32.1	96.3	





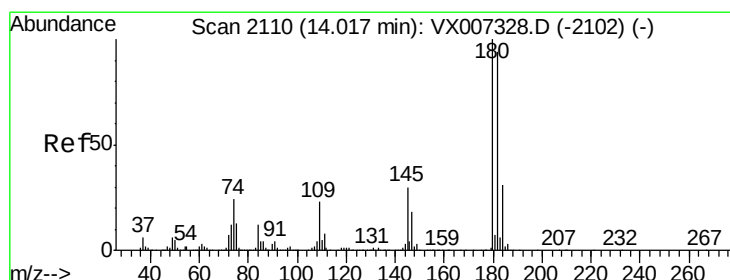
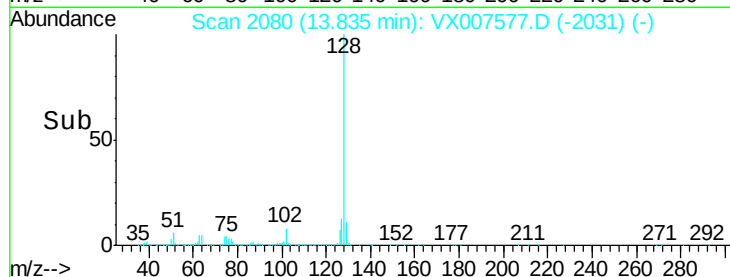
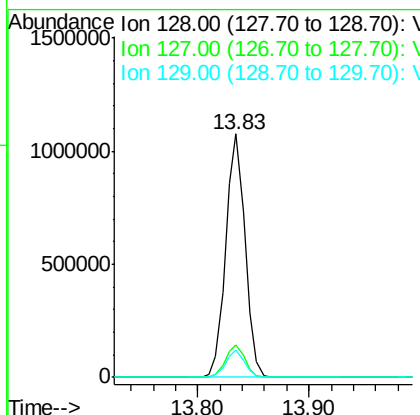
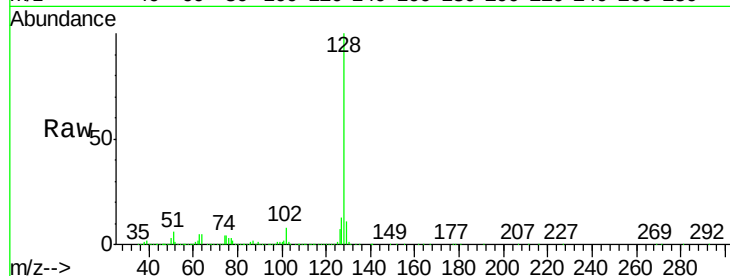
#95
Naphthalene
Concen: 54.210 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.866 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007577.D
Acq: 18 Feb 2019 09:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.5	142.6
145	30.6	14.9	44.5

