

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010719\
 Data File : VX006945.D
 Acq On : 07 Jan 2019 19:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:33:45 AM

Quant Time: Jan 08 07:34:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	504761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	762086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	685344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	353634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	276904	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	5.51	113	253859	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	8.71	98	913225	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.13	95	329801	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	173514	37.576	ug/l	100
3) Chloromethane	1.32	50	232186	46.672	ug/l	99
4) Vinyl Chloride	1.41	62	219377	42.222	ug/l	98
5) Bromomethane	1.64	94	192371	39.263	ug/l	100
6) Chloroethane	1.71	64	148576	41.298	ug/l	99
7) Trichlorofluoromethane	1.92	101	369939	45.668	ug/l	96
8) Diethyl Ether	2.19	74	154199	47.925	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	223218	46.931	ug/l	99
10) Methyl Iodide	2.51	142	290288	42.637	ug/l	99
11) Tert butyl alcohol	3.08	59	313804	258.471	ug/l	99
12) 1,1-Dichloroethene	2.37	96	201919	44.773	ug/l	98
13) Acrolein	2.29	56	190338	232.395	ug/l	99
14) Allyl chloride	2.73	41	366678	48.303	ug/l	99
15) Acrylonitrile	3.15	53	721174	267.534	ug/l	100
16) Acetone	2.45	43	594320	237.790	ug/l	99
17) Carbon Disulfide	2.57	76	402254	33.704	ug/l	99
18) Methyl Acetate	2.78	43	455422	61.968	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	795458	53.142	ug/l	100
20) Methylene Chloride	2.85	84	335072	64.833	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	217707	43.568	ug/l	98
22) Diisopropyl ether	3.87	45	736352	53.022	ug/l	94
23) Vinyl Acetate	3.82	43	2959510	260.528	ug/l	99
24) 1,1-Dichloroethane	3.70	63	401045	48.375	ug/l	100
25) 2-Butanone	4.70	43	891725	253.645	ug/l	97
26) 2,2-Dichloropropane	4.59	77	283678	44.297	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	265222	48.106	ug/l	99
28) Bromochloromethane	5.01	49	189432	54.367	ug/l	97
29) Tetrahydrofuran	5.15	42	604181	260.927	ug/l	97
30) Chloroform	5.21	83	431148	50.221	ug/l	100
31) Cyclohexane	5.57	56	315447	41.883	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	361630	49.886	ug/l	99
36) 1,1-Dichloropropene	5.79	75	291400	46.167	ug/l	99
37) Ethyl Acetate	4.85	43	346070	52.679	ug/l	99
38) Carbon Tetrachloride	5.78	117	307377	50.110	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	346067	41.646	ug/l	98
40) Benzene	6.14	78	917457	47.819	ug/l	99
41) Methacrylonitrile	5.06	41	195885	56.162	ug/l	98
42) 1,2-Dichloroethane	6.20	62	323678	49.510	ug/l	99
43) Isopropyl Acetate	6.46	43	570238	57.048	ug/l	98
44) Trichloroethene	7.21	130	268765	46.283	ug/l	98
45) 1,2-Dichloropropane	7.52	63	241085	51.637	ug/l	99
46) Dibromomethane	7.66	93	169650	49.400	ug/l	98
47) Bromodichloromethane	7.90	83	301443	52.870	ug/l	99
48) Methyl methacrylate	7.77	41	288392	56.735	ug/l	97
49) 1,4-Dioxane	7.75	88	128688	966.942	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1774180	278.960	ug/l	99
52) Toluene	8.79	92	598135	48.257	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	337151	55.136	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	366365	54.604	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	268214	52.866	ug/l	96
56) Ethyl methacrylate	9.18	69	388107	54.124	ug/l	95
57) 1,3-Dichloropropane	9.37	76	419031	51.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1027718	269.623	ug/l	100
59) 2-Hexanone	9.49	43	1323902	272.064	ug/l	99
60) Dibromochloromethane	9.59	129	271082	51.037	ug/l	98
61) 1,2-Dibromoethane	9.67	107	286936	53.203	ug/l	99
64) Tetrachloroethene	9.34	164	252758	46.575	ug/l	96
65) Chlorobenzene	10.14	112	716957	49.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	264179	58.399	ug/l	99
67) Ethyl Benzene	10.25	91	1167618	49.282	ug/l	99
68) m/p-Xylenes	10.36	106	922221	98.644	ug/l	99
69) o-Xylene	10.70	106	457225	49.527	ug/l	99
70) Styrene	10.71	104	738492	50.563	ug/l	99
71) Bromoform	10.86	173	199967	49.095	ug/l #	99
73) Isopropylbenzene	11.02	105	1199142	49.566	ug/l	99
74) N-amyl acetate	10.90	43	506686	58.511	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	399792	55.565	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	364054m	55.395	ug/l	
77) Bromobenzene	11.26	156	328307	50.195	ug/l	98
78) n-propylbenzene	11.36	91	1326461	49.790	ug/l	99
79) 2-Chlorotoluene	11.42	91	779857	48.304	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	995068	49.936	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	104122	48.367	ug/l	99
82) 4-Chlorotoluene	11.51	91	918349	49.589	ug/l	99
83) tert-Butylbenzene	11.77	119	1038581	52.076	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1013186	48.340	ug/l	99
85) sec-Butylbenzene	11.94	105	1197277	48.964	ug/l	100
86) p-Isopropyltoluene	12.06	119	1078228	50.164	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	578497	49.076	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	588887	48.732	ug/l	100
89) n-Butylbenzene	12.39	91	907934	49.634	ug/l	98
90) Hexachloroethane	12.60	117	162502	48.418	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	582721	49.417	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	80521	54.087	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	410565	50.475	ug/l	100
94) Hexachlorobutadiene	13.78	225	178154	46.468	ug/l	99
95) Naphthalene	13.83	128	1279395	49.282	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	406998	48.462	ug/l	98

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

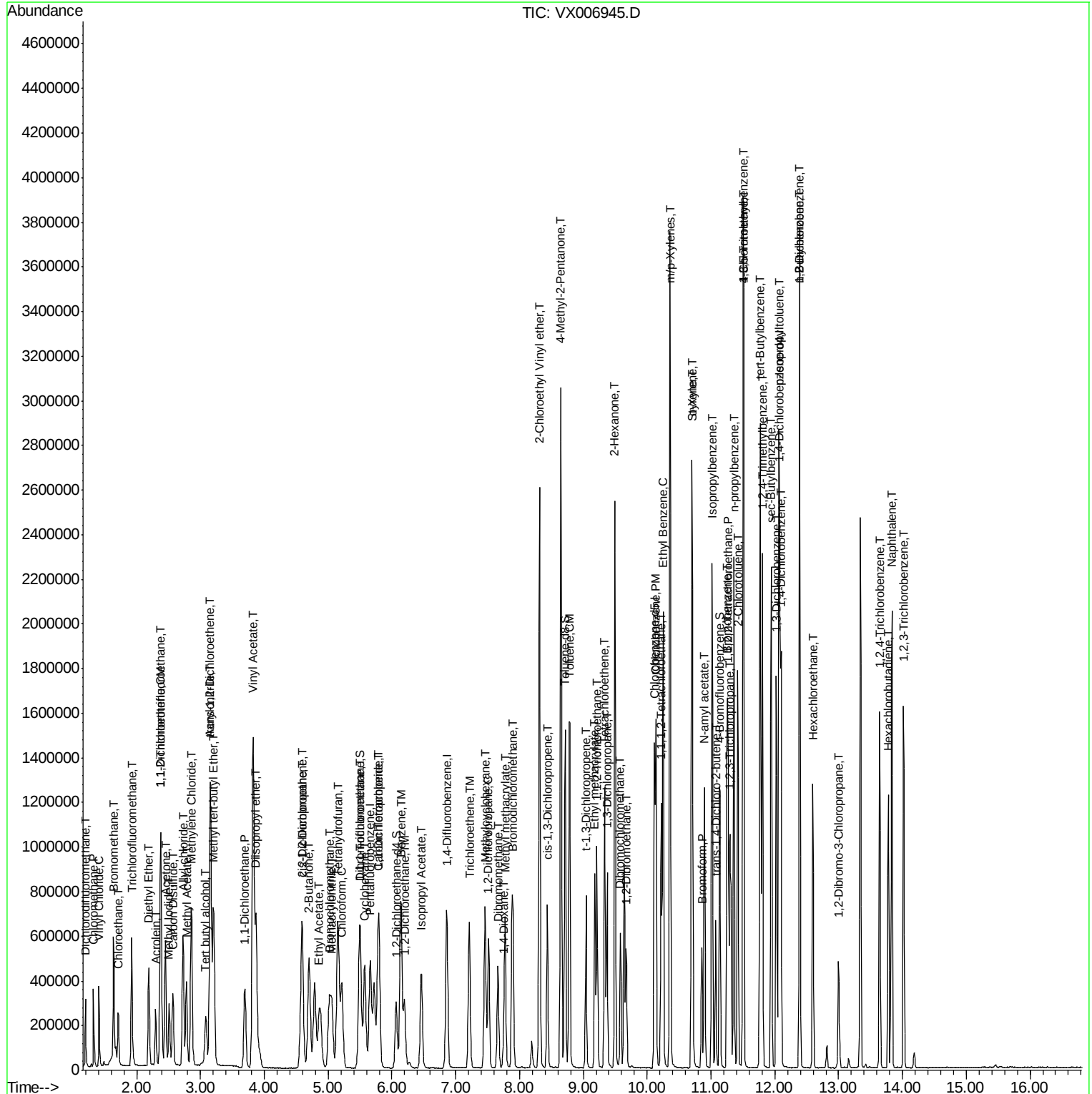
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010719\
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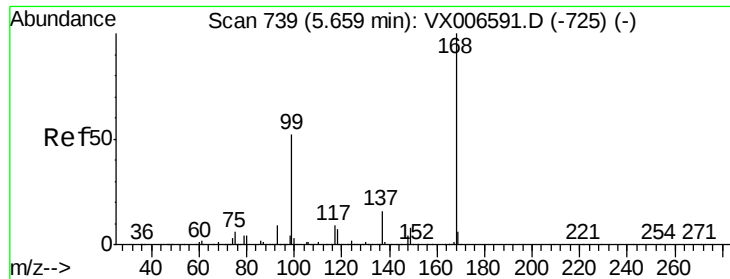
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 504761

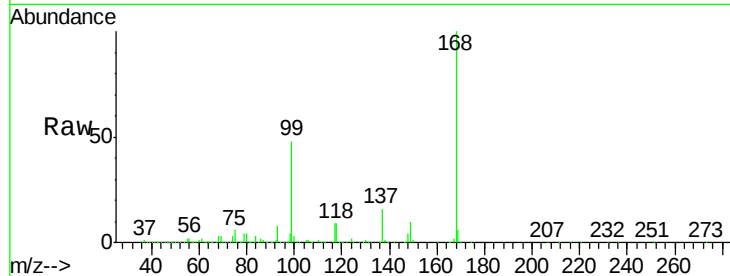
Ion Ratio Lower Upper

168 100

99 47.8 41.8 62.8

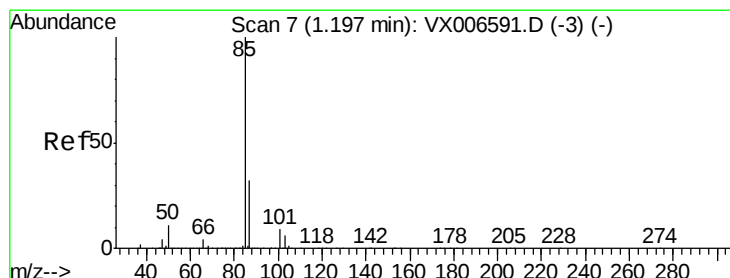
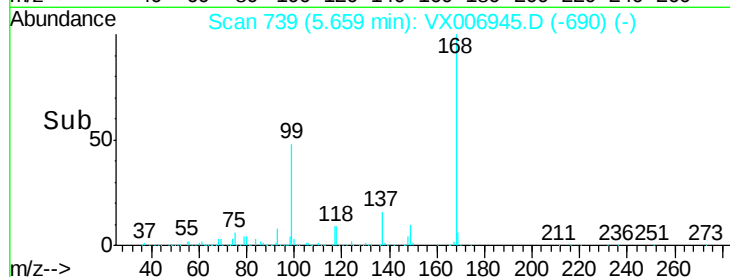
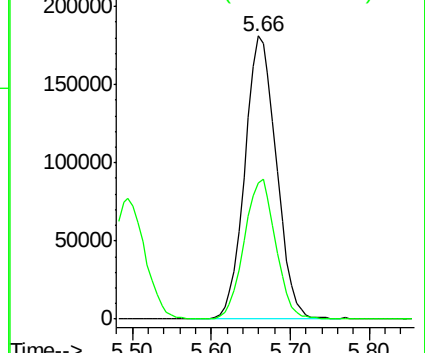
Manual Integrations
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1/8/2019 9:33:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 37.576 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006945.D

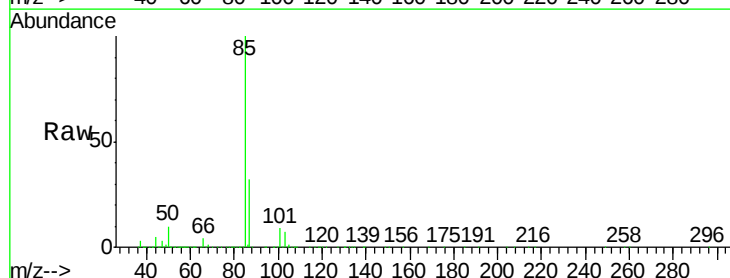
Acq: 07 Jan 2019 19:28

Tgt Ion: 85 Resp: 173514

Ion Ratio Lower Upper

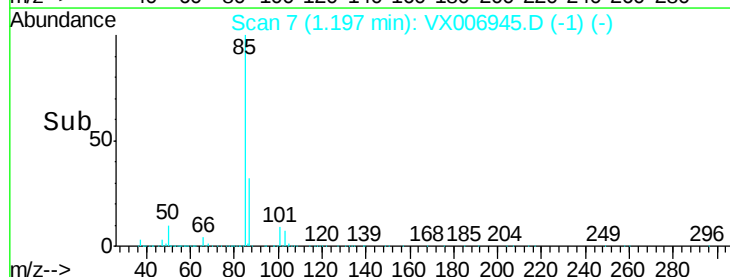
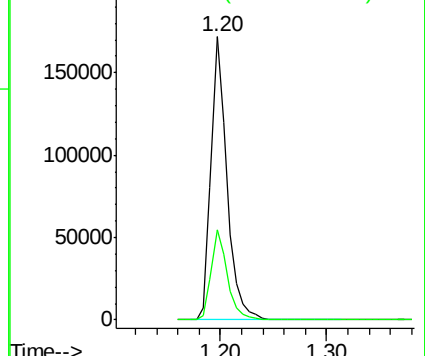
85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.672 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 232186

Ion Ratio Lower Upper

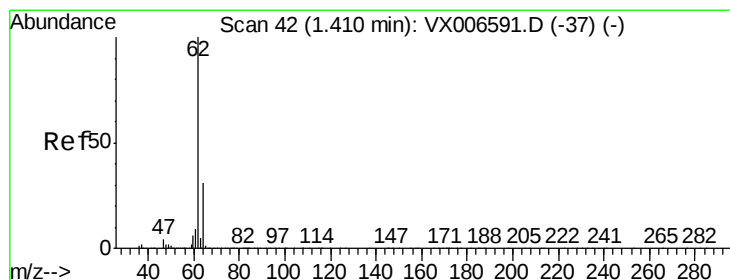
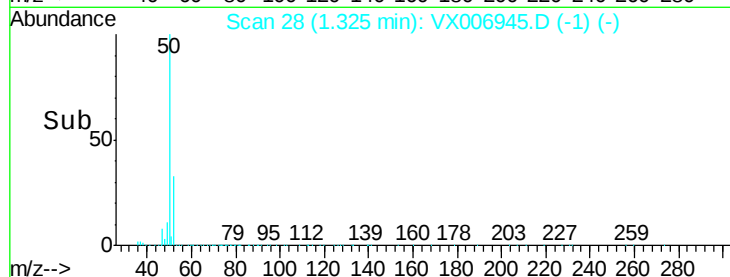
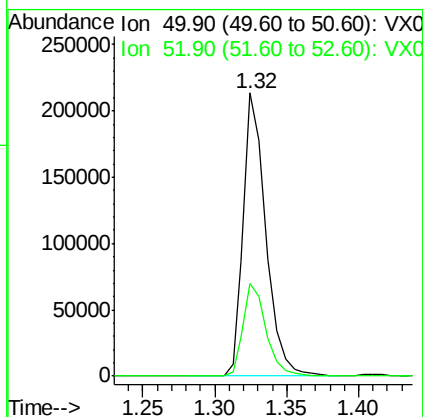
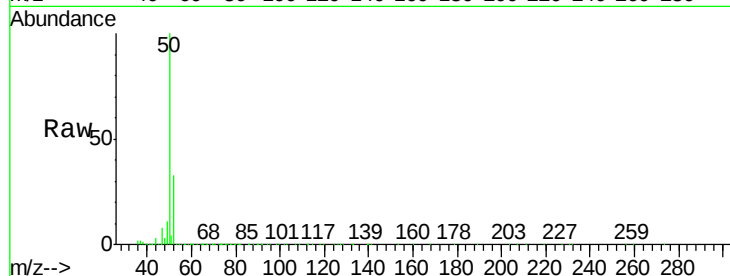
50 100

52 32.6 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 42.222 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006945.D

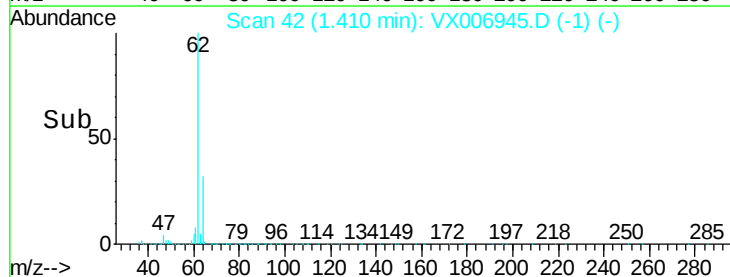
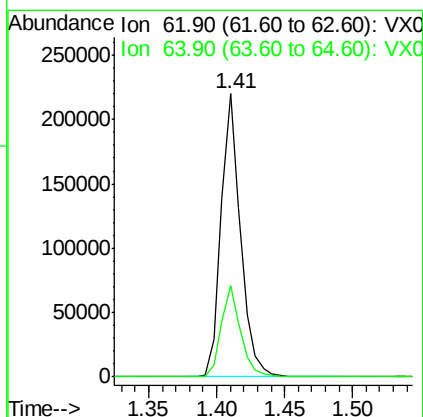
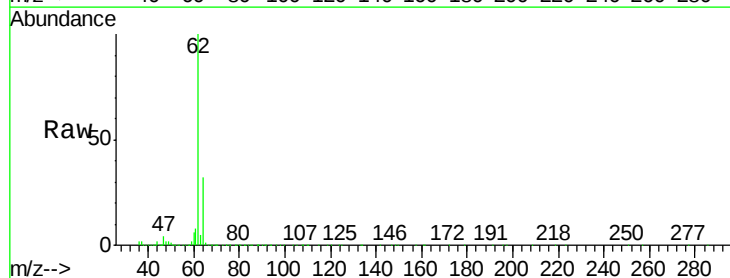
Acq: 07 Jan 2019 19:28

Tgt Ion: 62 Resp: 219377

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 39.263 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 192371

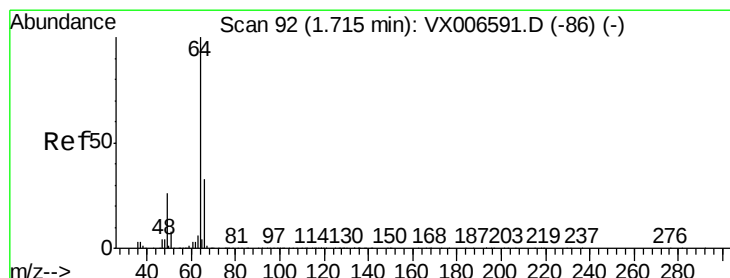
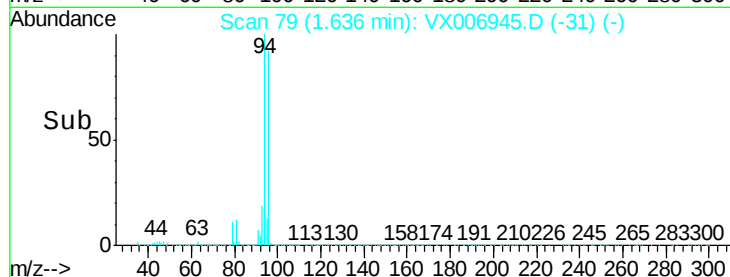
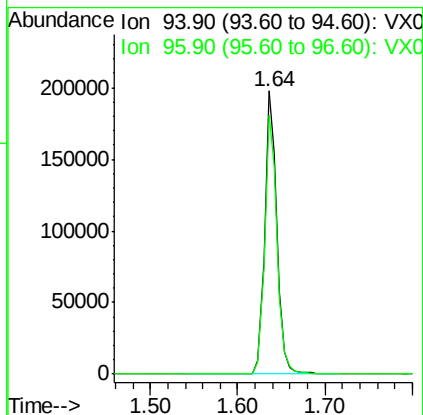
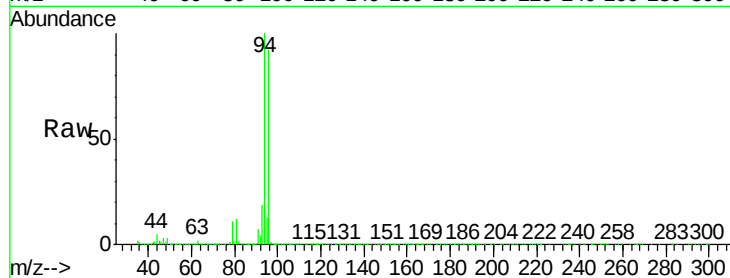
Ion Ratio Lower Upper

94 100

96 91.7 73.4 110.2

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#6

Chloroethane

Concen: 41.298 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX006945.D

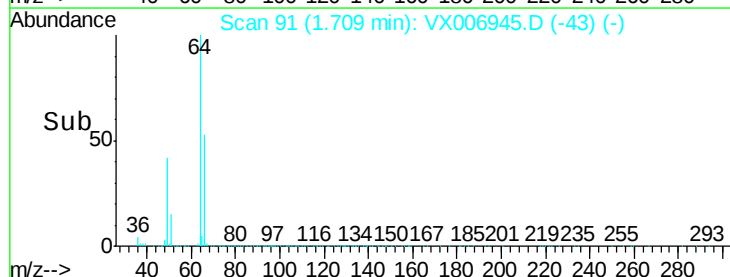
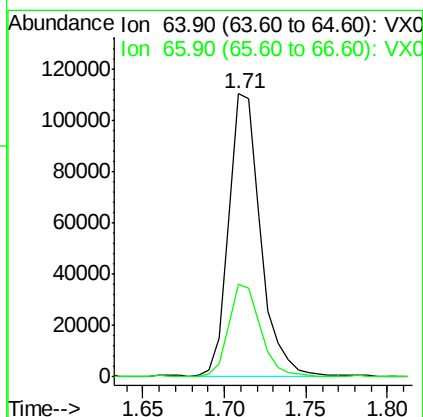
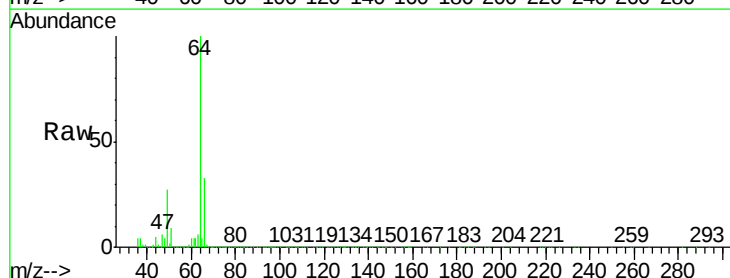
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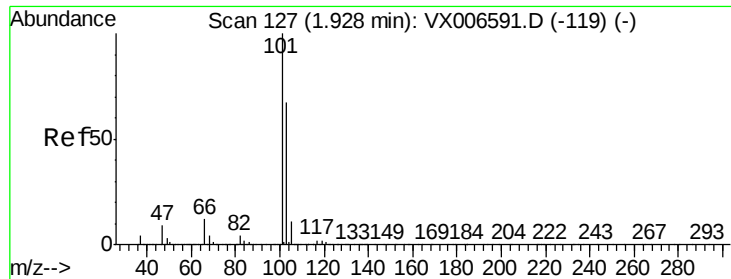
Tgt Ion: 64 Resp: 148576

Ion Ratio Lower Upper

64 100

66 32.5 26.4 39.6





#7

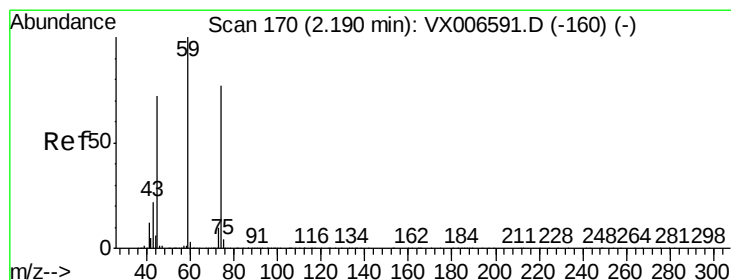
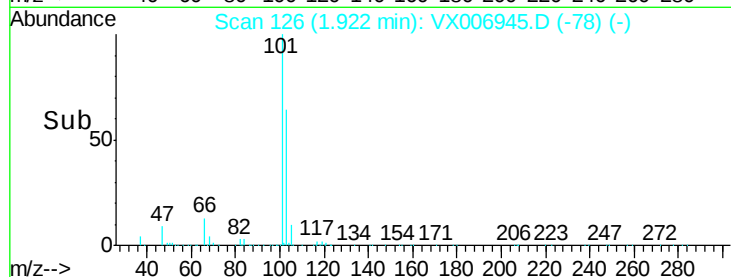
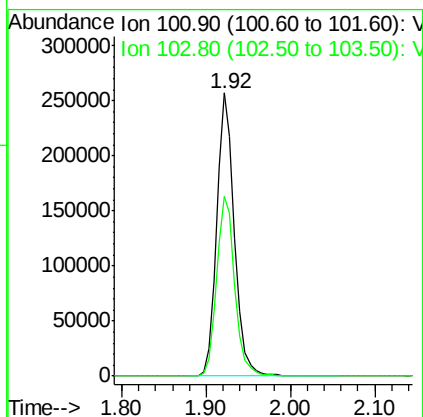
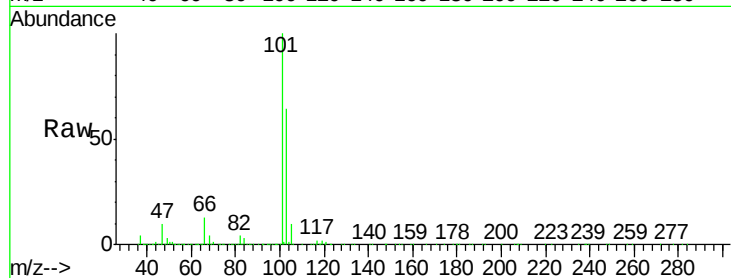
Trichlorofluoromethane
Concen: 45.668 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.2	79.8

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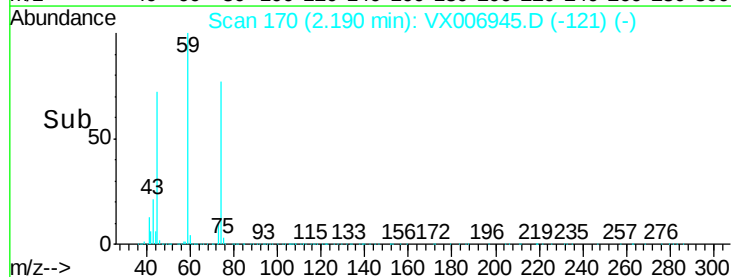
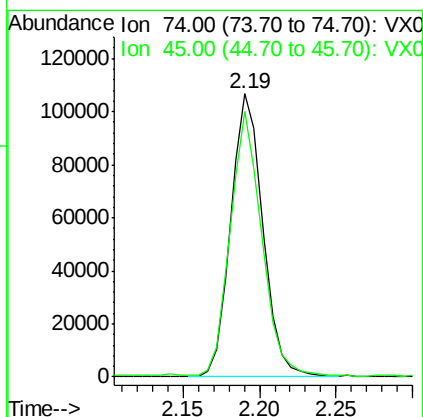
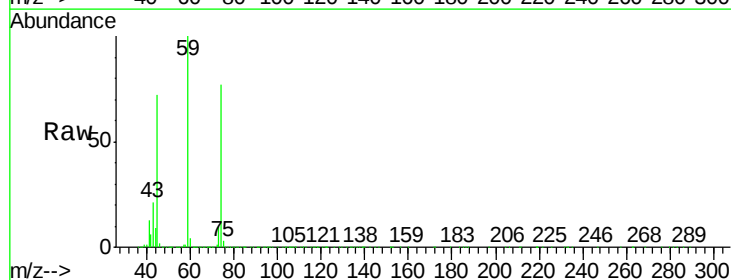
MMDadoda
1/8/2019 9:33:45 AM

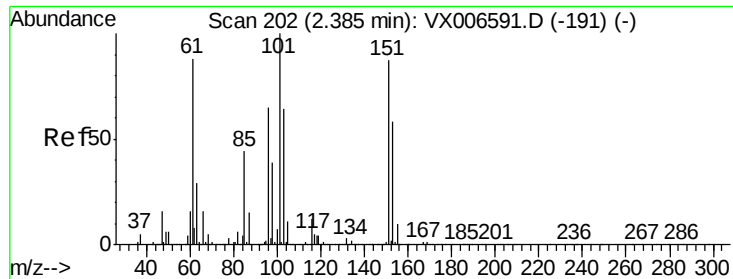


#8

Diethyl Ether
Concen: 47.925 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.931 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

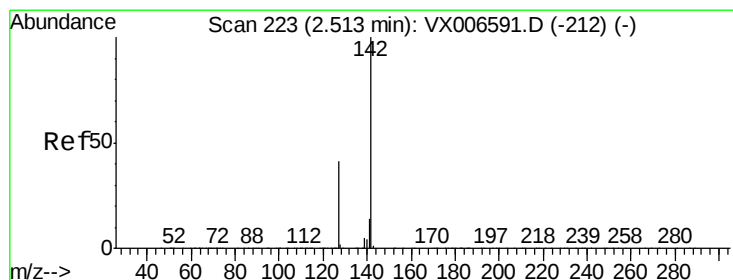
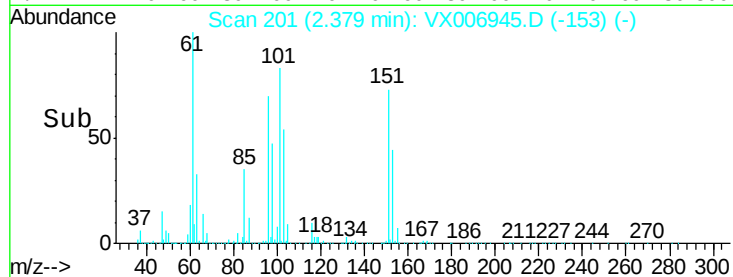
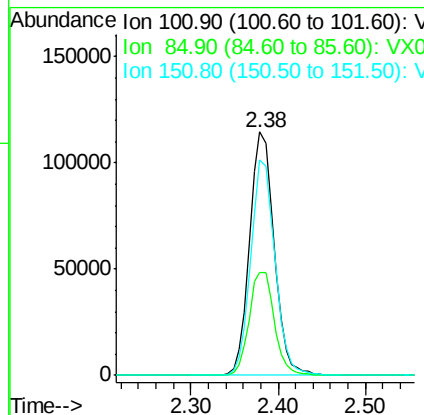
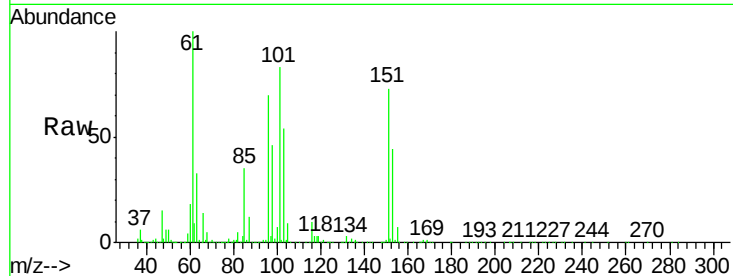
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	223218
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.1	52.7
151	87.3	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 42.637 ug/l

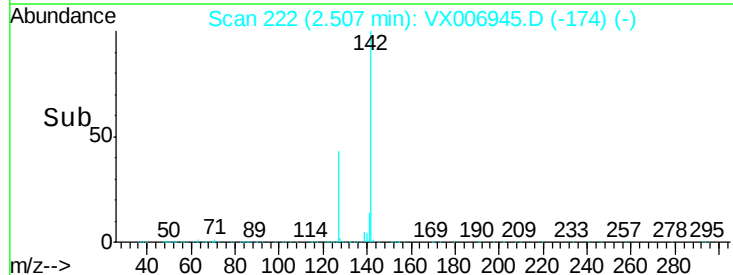
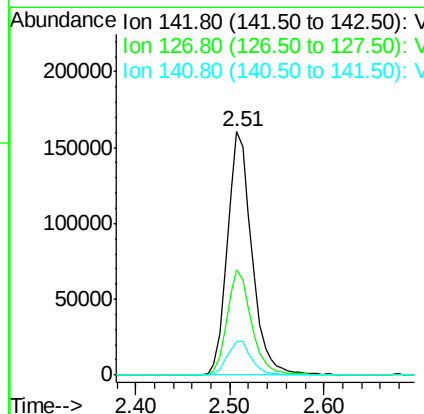
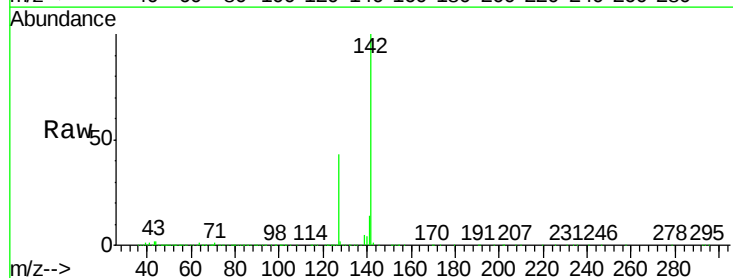
RT: 2.51 min Scan# 222

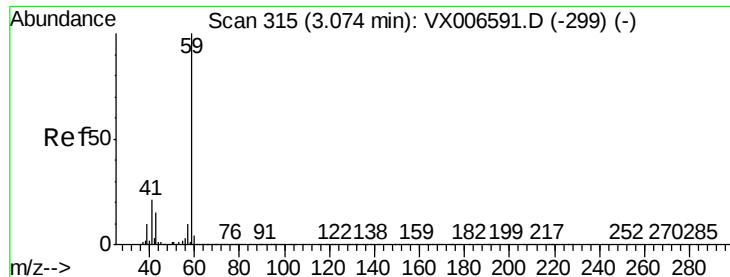
Delta R.T. -0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion:	142	Resp:	290288
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.9	50.9
141	14.1	11.4	17.0





#11

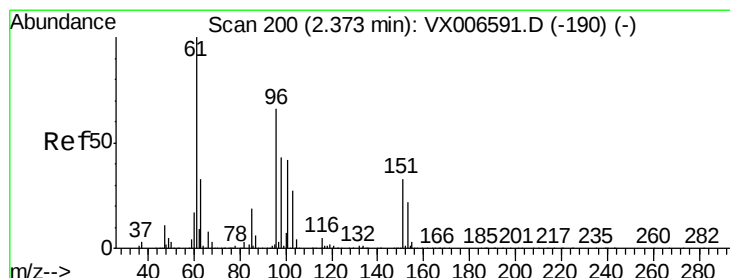
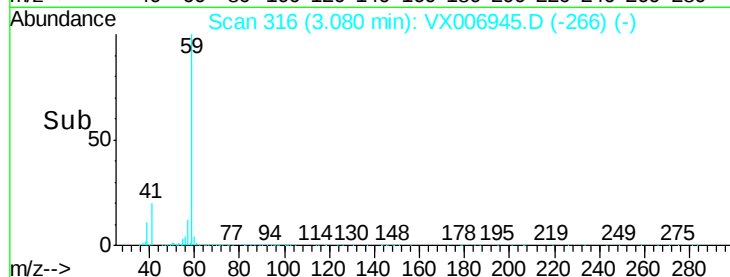
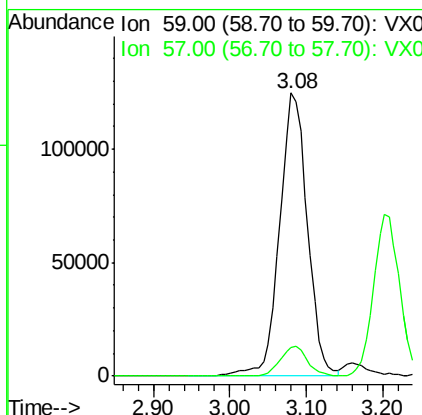
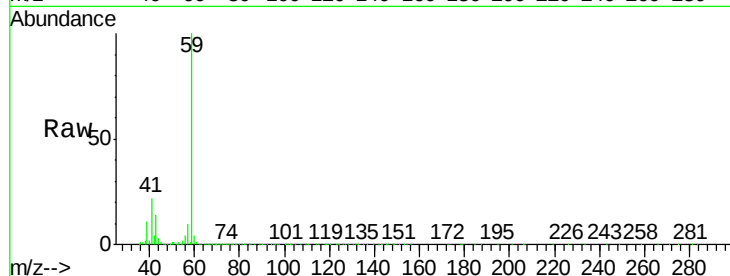
Tert butyl alcohol
Concen: 258.471 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

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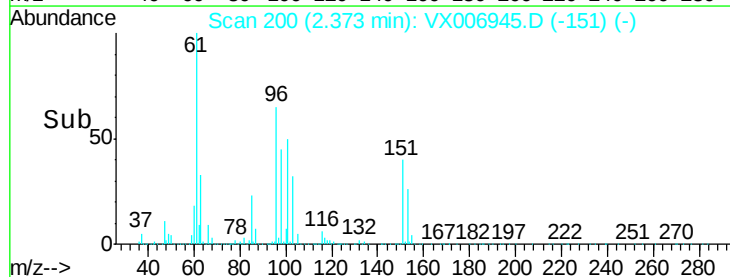
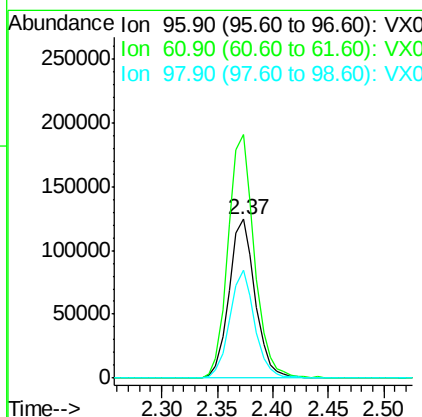
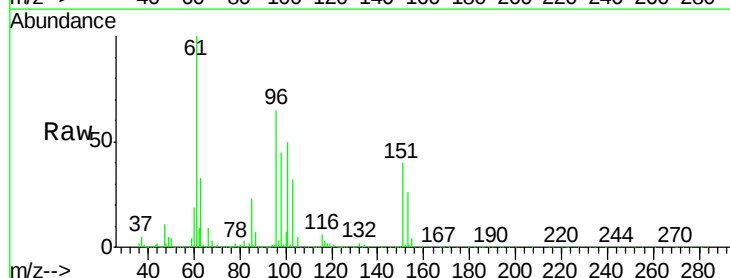
MMDadoda
1/8/2019 9:33:45 AM

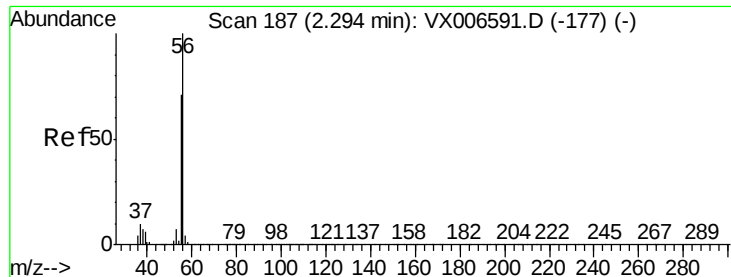


#12

1,1-Dichloroethene
Concen: 44.773 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	121.4	182.2
98	68.4	51.9	77.9





#13

Acrolein

Concen: 232.395 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 190338

Ion Ratio Lower Upper

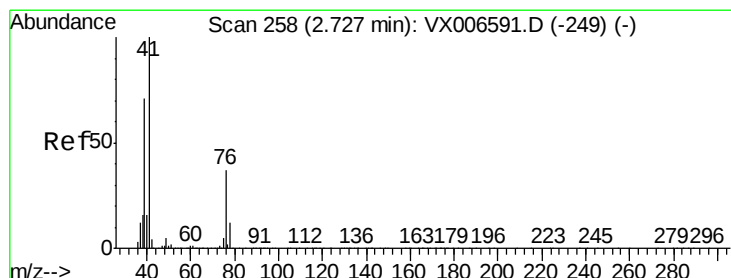
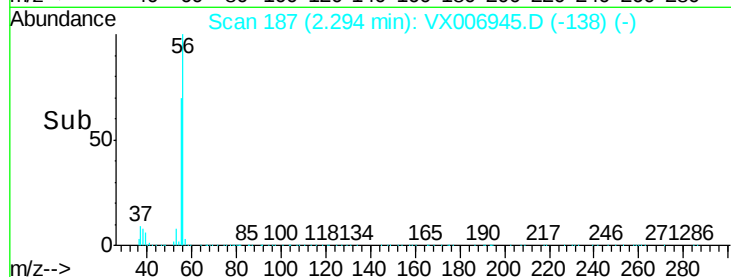
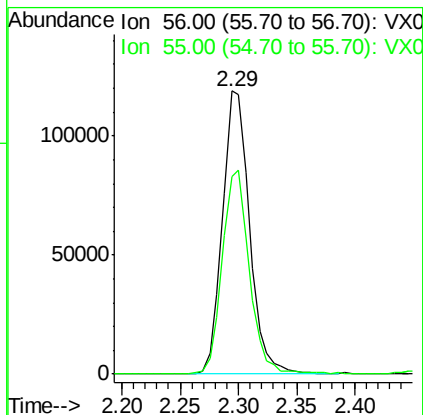
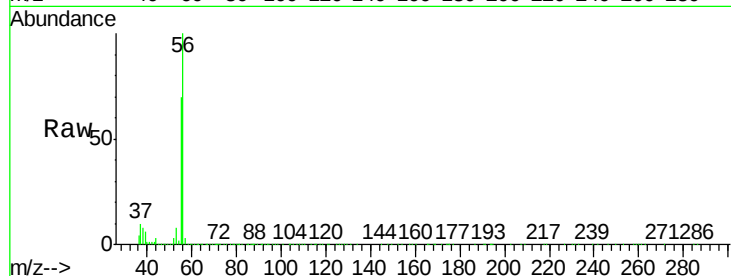
56 100

55 71.7 58.2 87.4

Manual Integrations
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MMDadoda

1/8/2019 9:33:45 AM



#14

Allyl chloride

Concen: 48.303 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

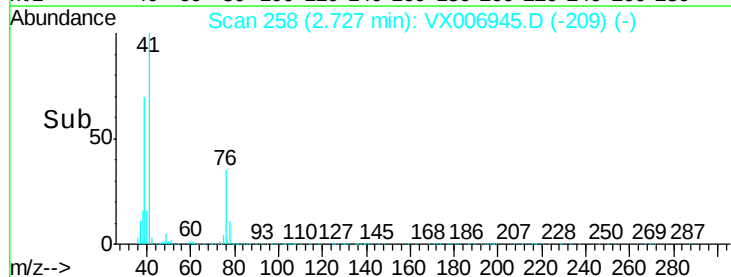
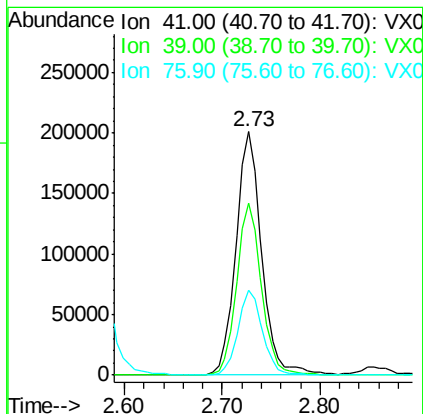
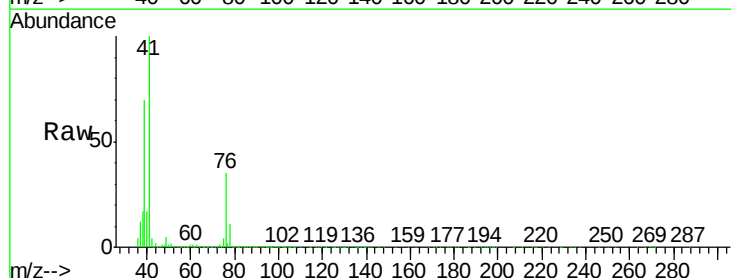
Tgt Ion: 41 Resp: 366678

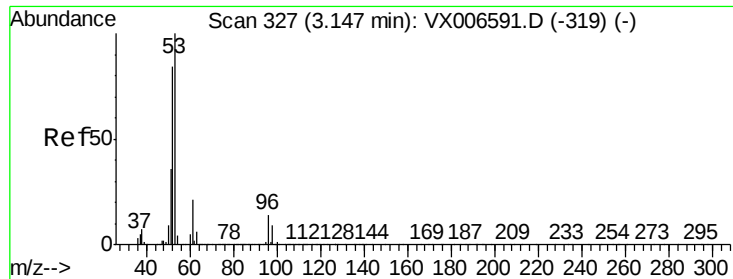
Ion Ratio Lower Upper

41 100

39 67.7 53.6 80.4

76 33.3 27.4 41.2





#15

Acrylonitrile

Concen: 267.534 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

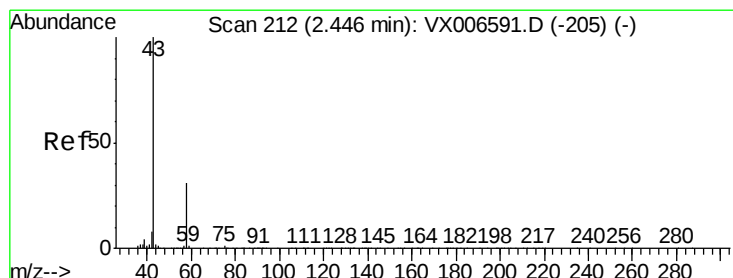
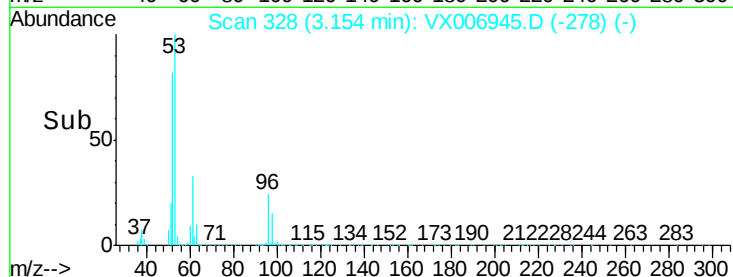
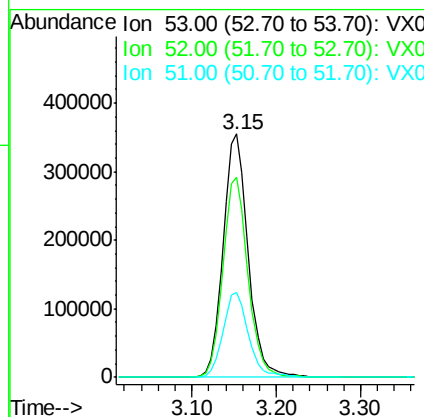
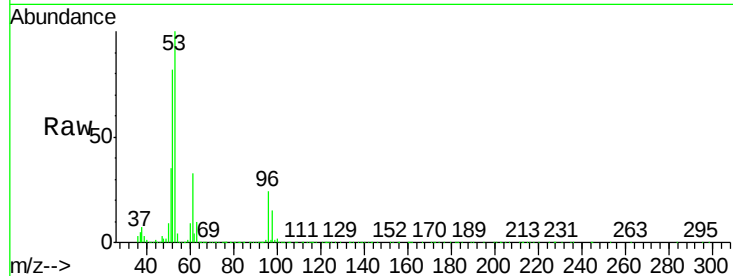
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	721174
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.0	99.0
51	35.6	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 237.790 ug/l

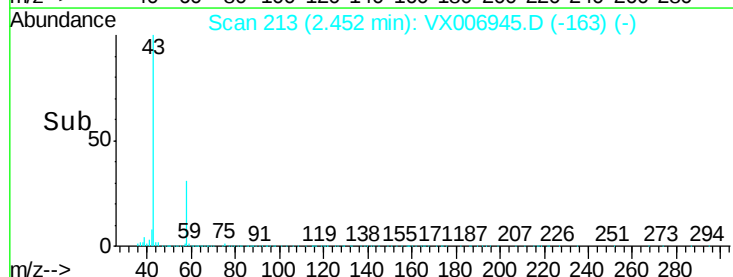
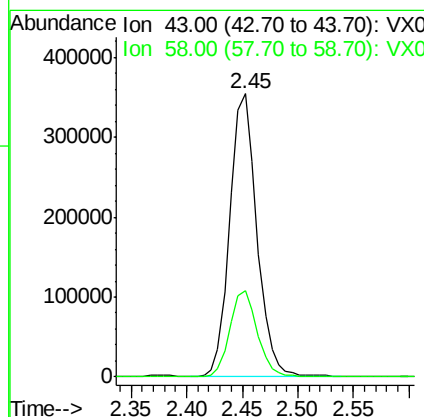
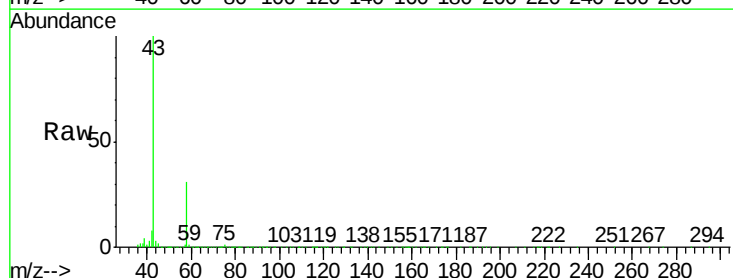
RT: 2.45 min Scan# 213

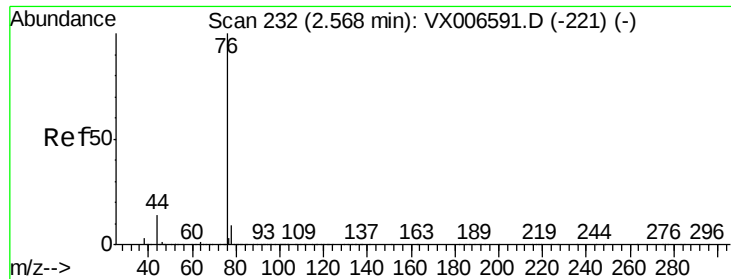
Delta R.T. 0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion:	43	Resp:	594320
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.0	37.6





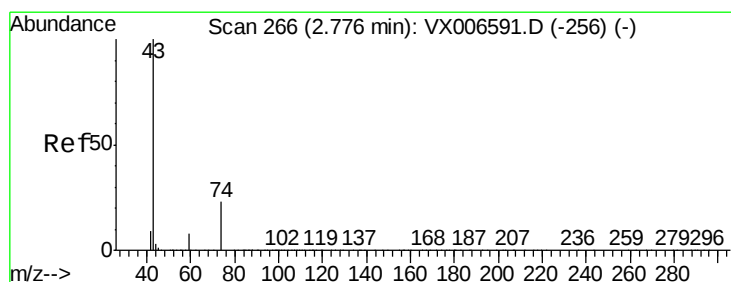
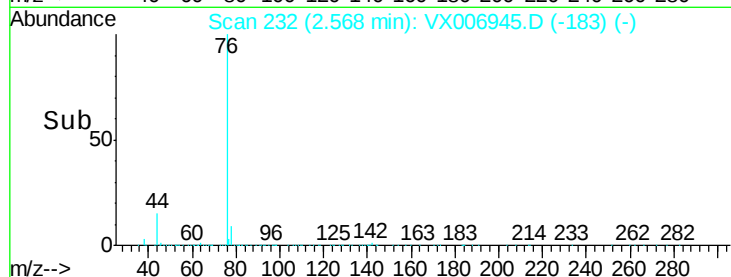
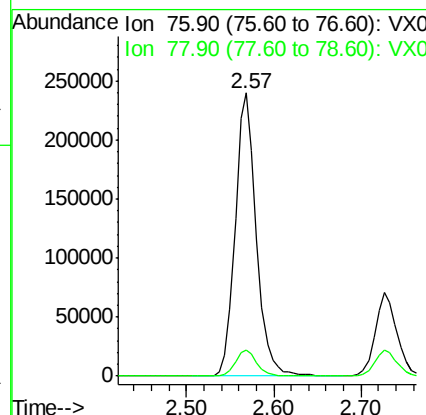
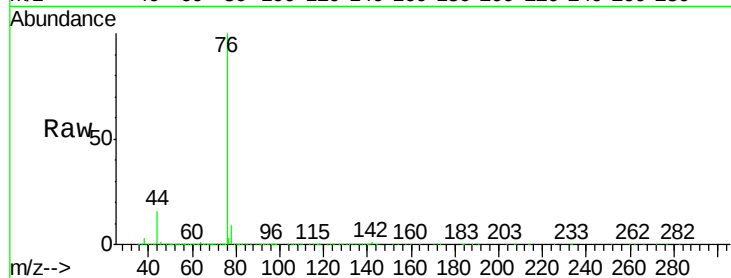
#17
Carbon Disulfide
Concen: 33.704 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

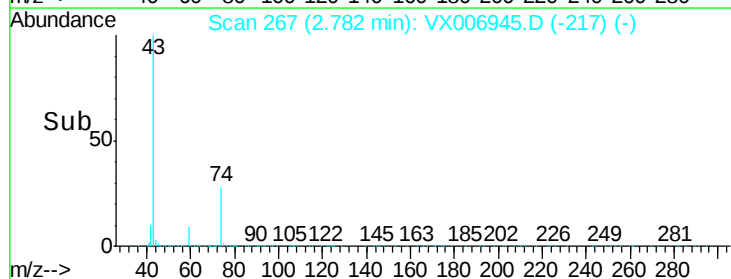
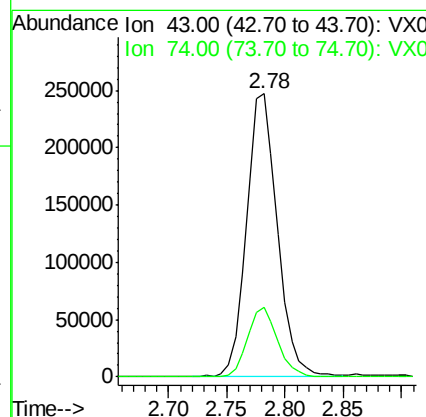
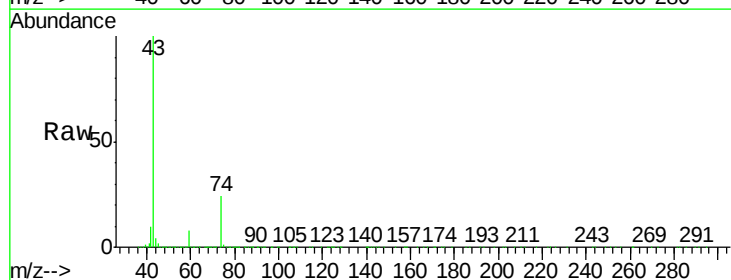
Manual Integrations
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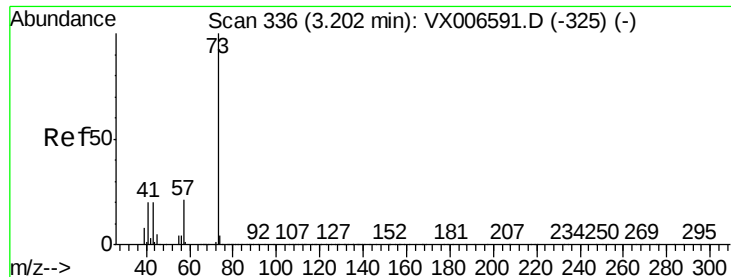
MMDadoda
1/8/2019 9:33:45 AM



#18
Methyl Acetate
Concen: 61.968 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	28.0





#19

Methyl tert-butyl Ether

Concen: 53.142 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX006945.D

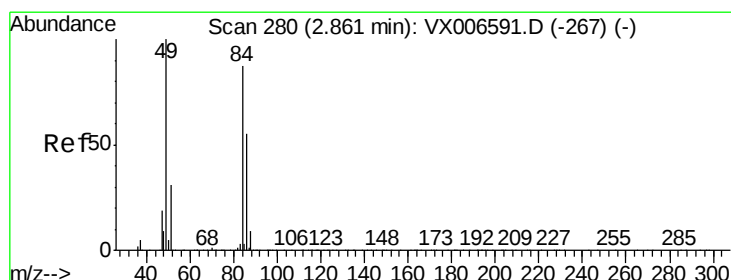
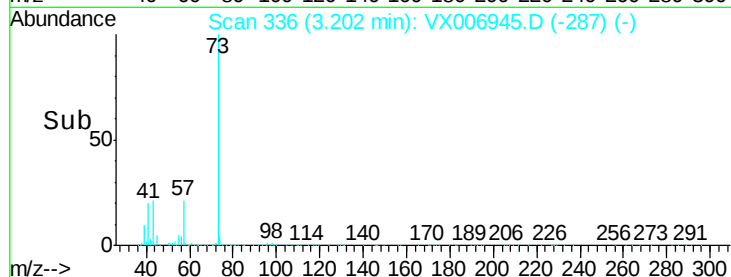
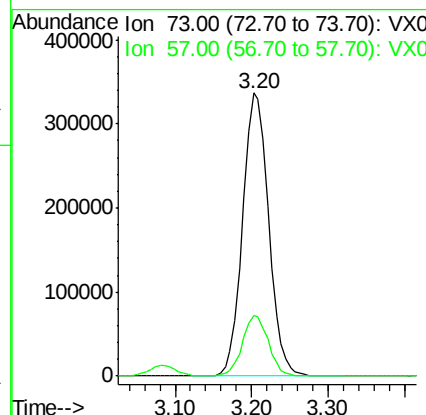
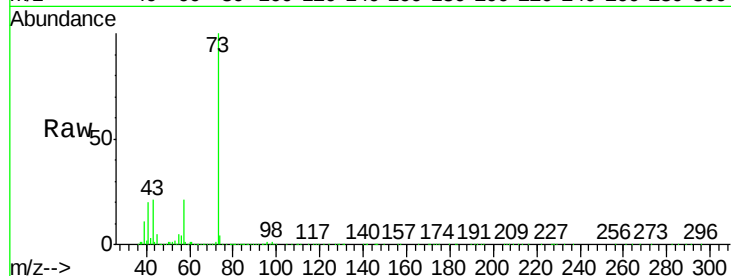
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.8	25.2

Manual Integrations
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#20

Methylene Chloride

Concen: 64.833 ug/l

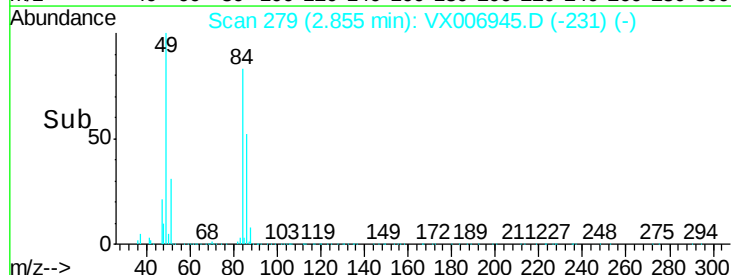
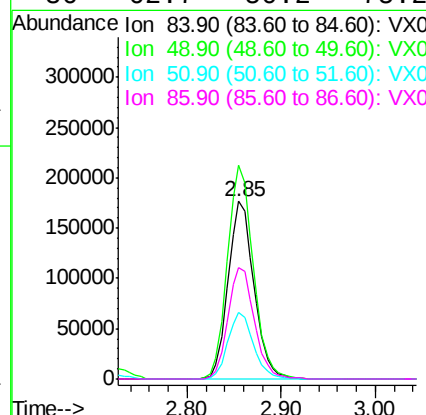
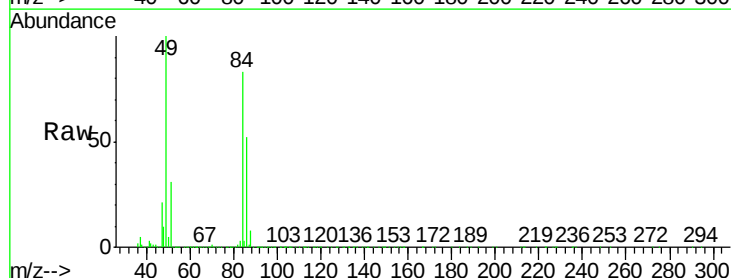
RT: 2.85 min Scan# 279

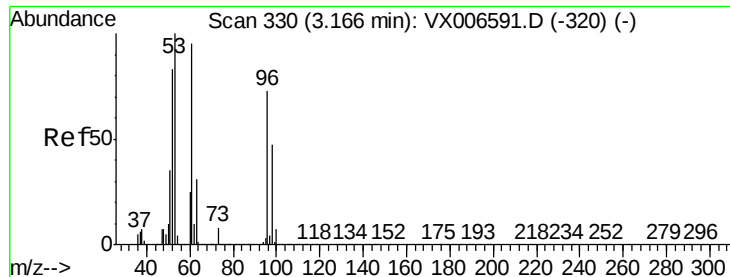
Delta R.T. -0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.1	91.8	137.6
51	37.5	28.5	42.7
86	62.7	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 43.568 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

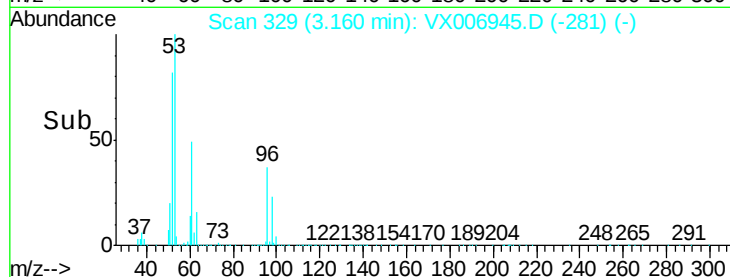
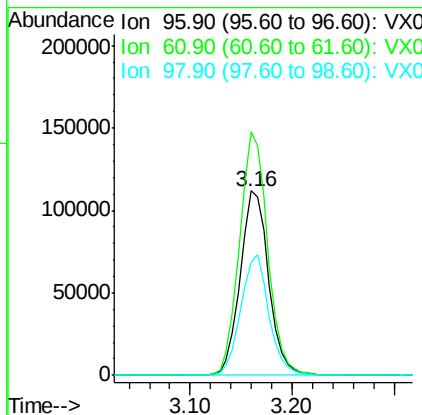
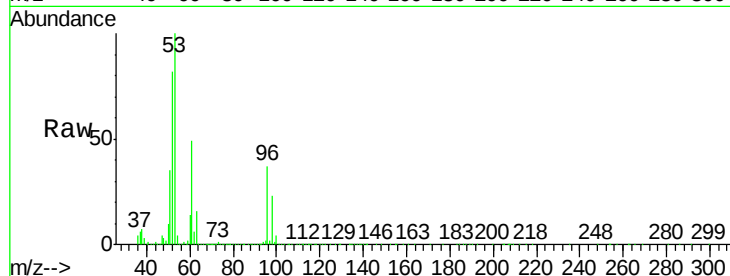
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	217707
Ion	Ratio	Lower	Upper
96	100		
61	131.6	103.7	155.5
98	61.3	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.022 ug/l

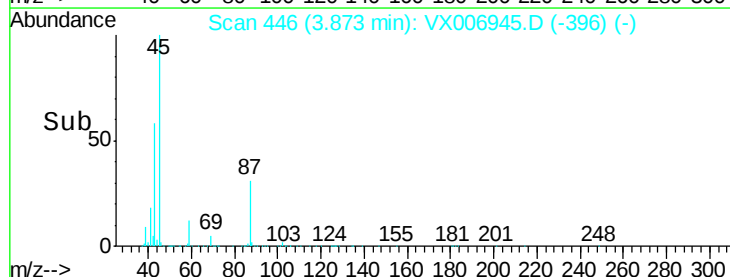
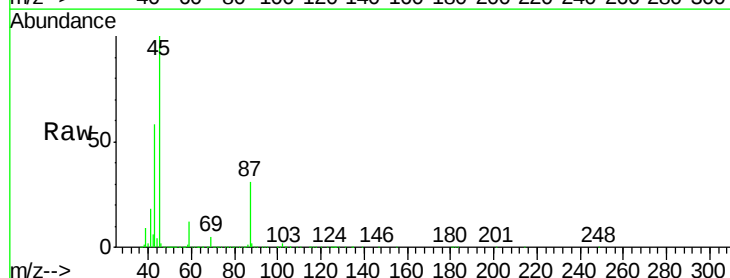
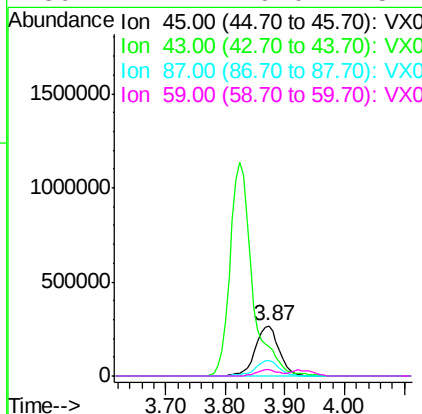
RT: 3.87 min Scan# 446

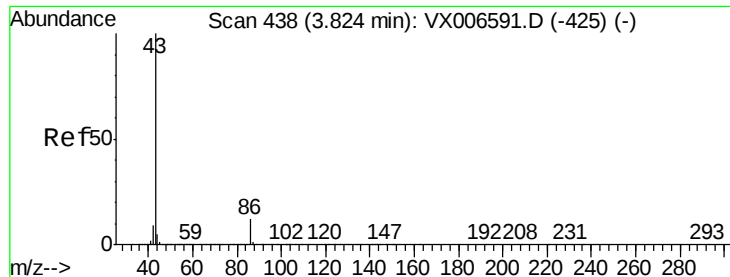
Delta R.T. 0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion:	45	Resp:	736352
Ion	Ratio	Lower	Upper
45	100		
43	57.7	51.2	76.8
87	30.8	25.8	38.6
59	12.2	9.0	13.4





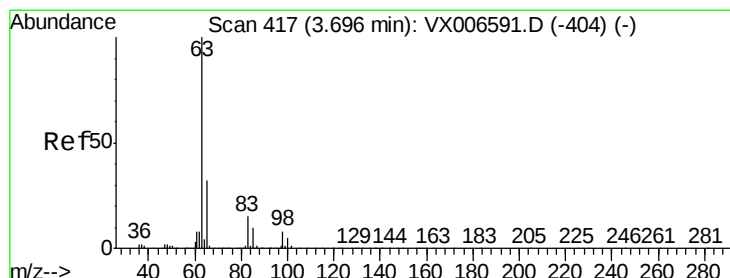
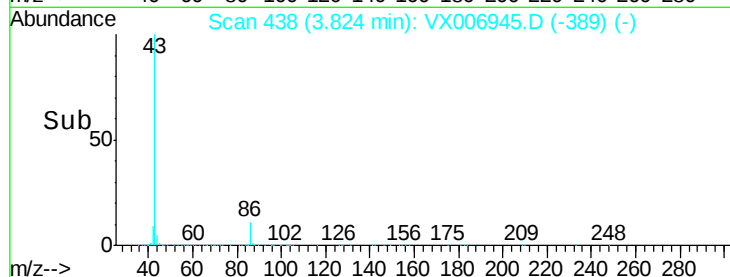
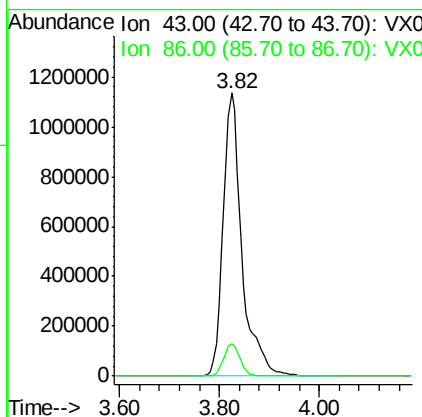
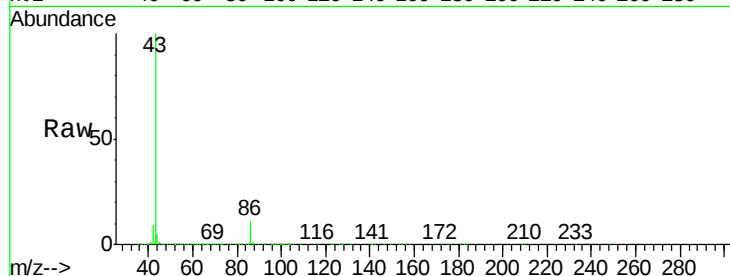
#23
 Vinyl Acetate
 Concen: 260.528 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX006945.D
 Acq: 07 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2959510
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8

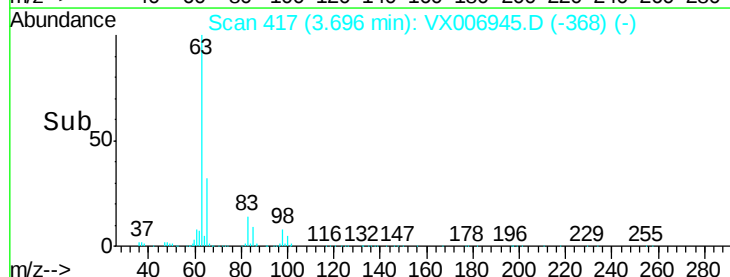
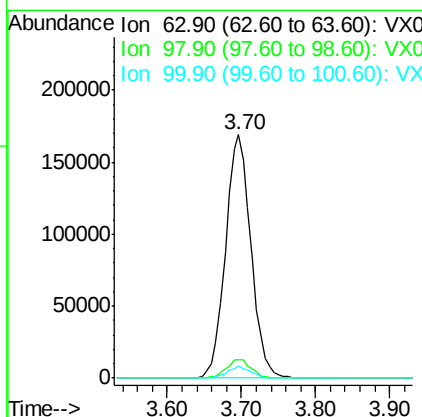
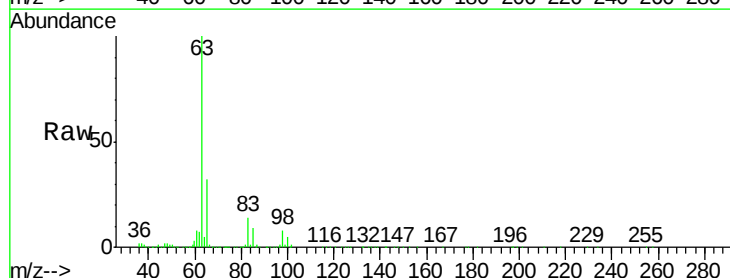
Manual Integrations
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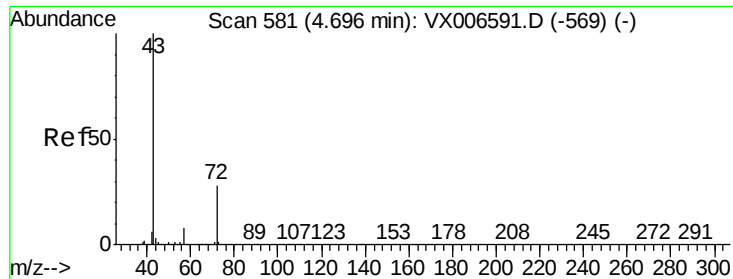
MMDadoda
 1/8/2019 9:33:45 AM



#24
 1,1-Dichloroethane
 Concen: 48.375 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX006945.D
 Acq: 07 Jan 2019 19:28

Tgt Ion: 63 Resp: 401045
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.5
 100 5.0 2.4 7.2





#25

2-Butanone

Concen: 253.645 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 891725

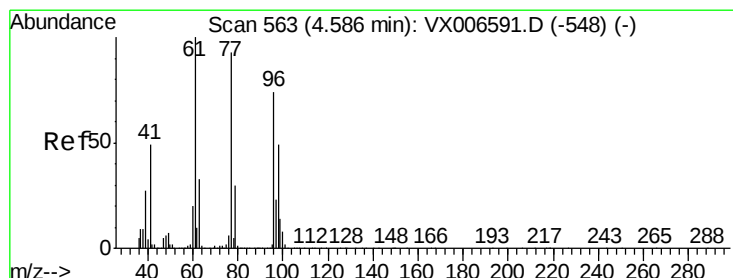
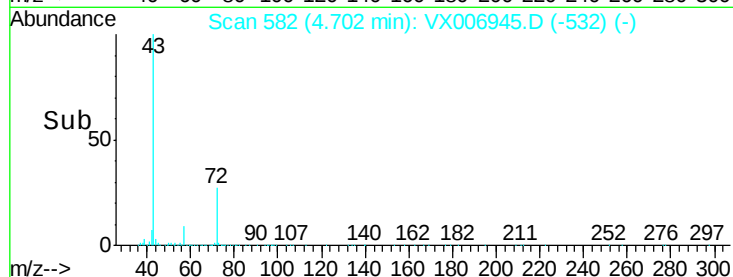
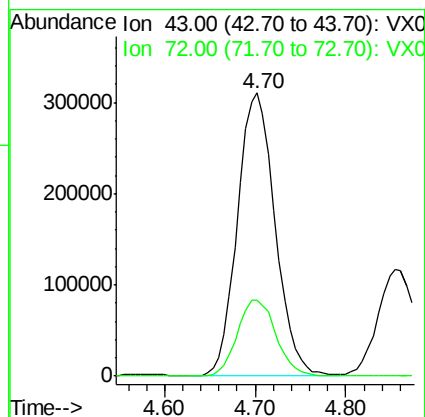
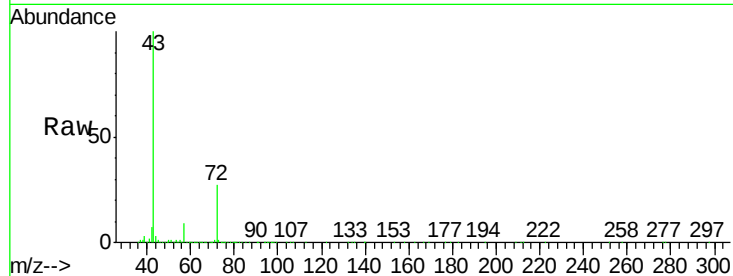
Ion Ratio Lower Upper

43 100

72 26.6 22.4 33.6

Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:33:45 AM



#26

2,2-Dichloropropane

Concen: 44.297 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006945.D

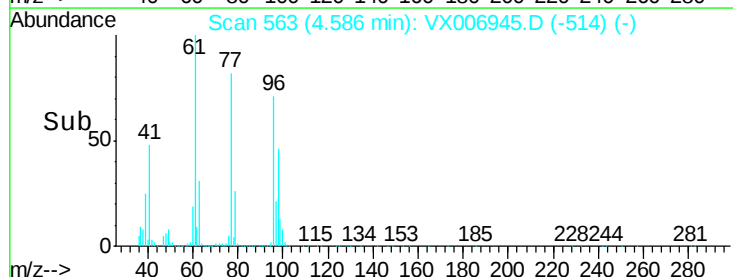
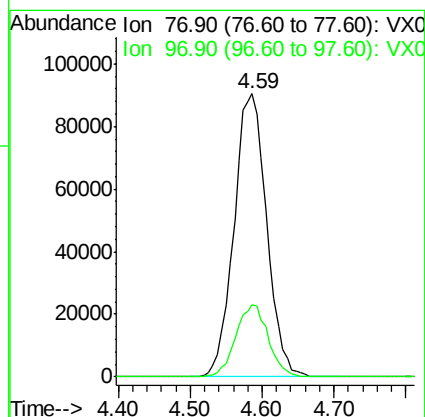
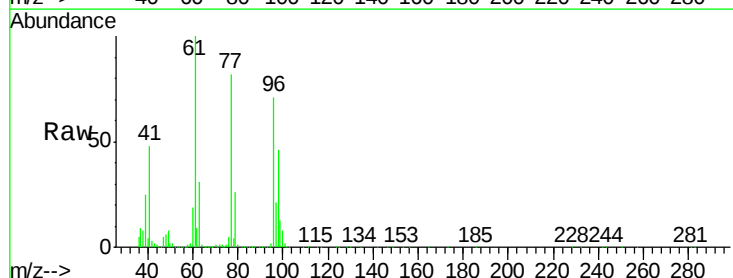
Acq: 07 Jan 2019 19:28

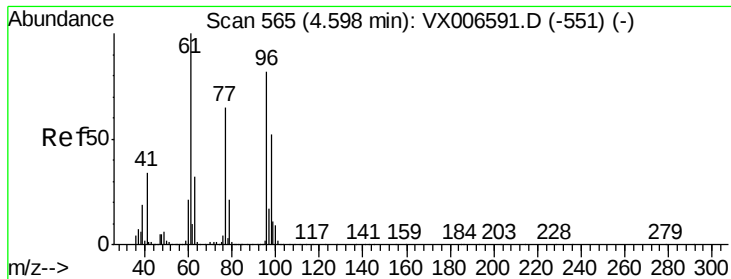
Tgt Ion: 77 Resp: 283678

Ion Ratio Lower Upper

77 100

97 25.1 12.4 37.4





#27

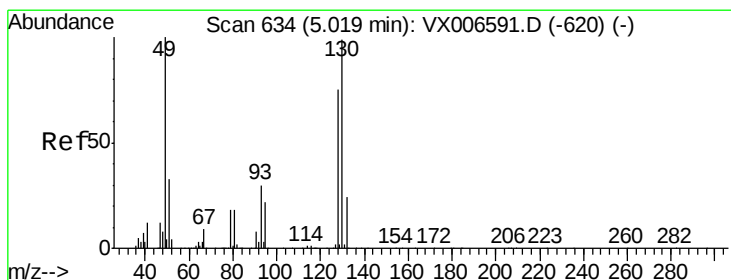
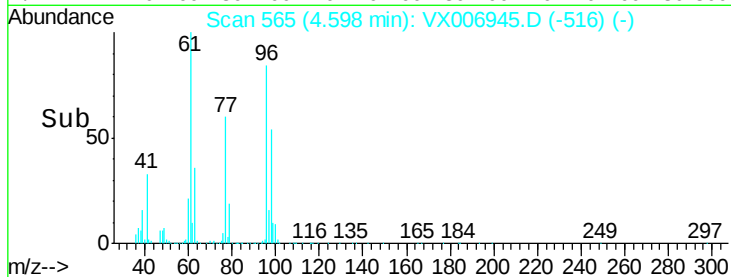
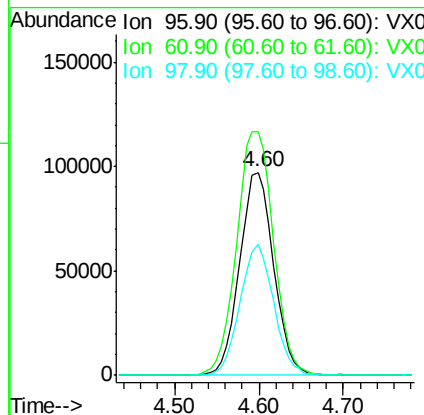
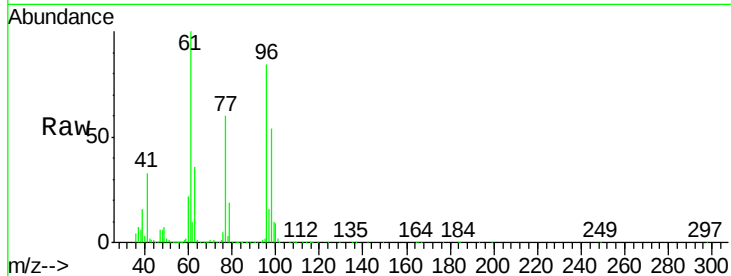
cis-1,2-Dichloroethene
Concen: 48.106 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	258.6
98	64.0	0.0	132.0

Manual Integrations
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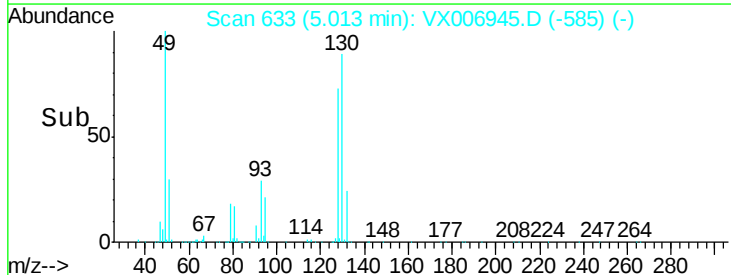
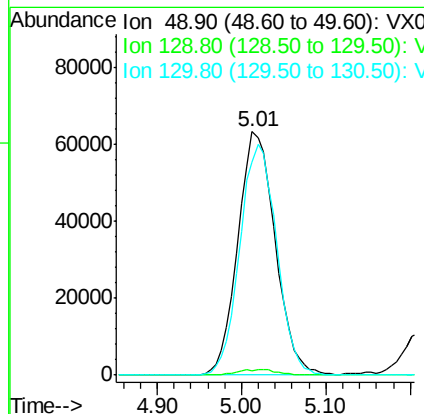
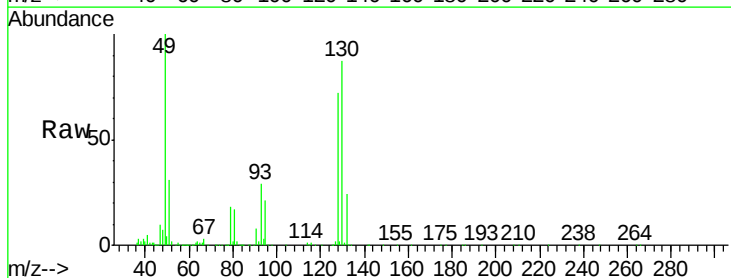
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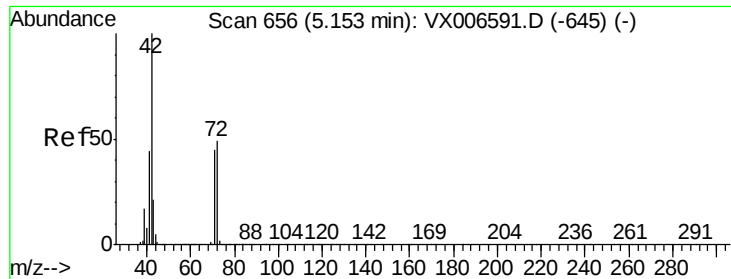


#28

Bromochloromethane
Concen: 54.367 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	94.0	77.7	116.5





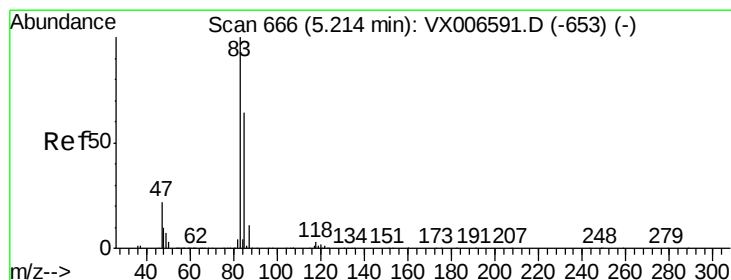
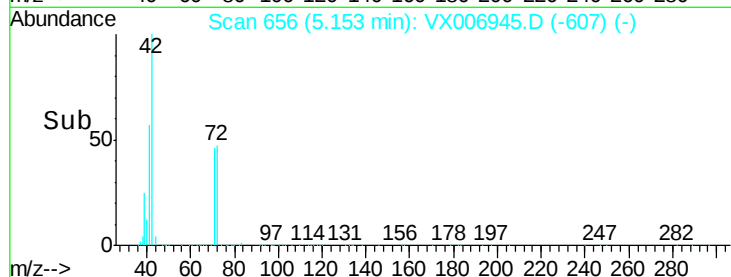
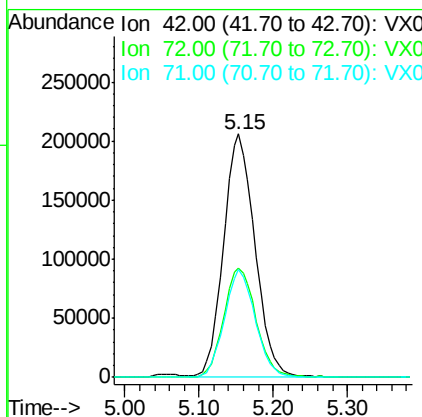
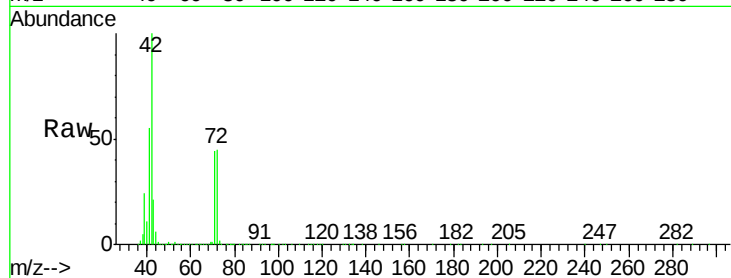
#29
Tetrahydrofuran
Concen: 260.927 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	38.9	58.3
71	43.6	36.2	54.4

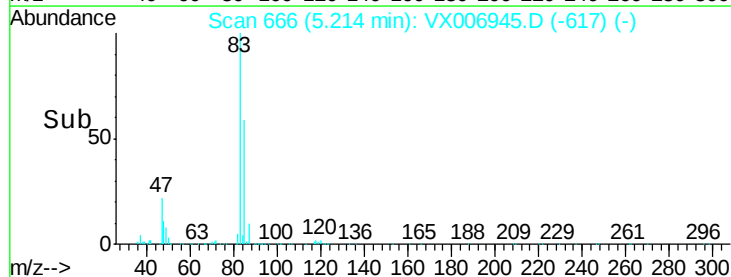
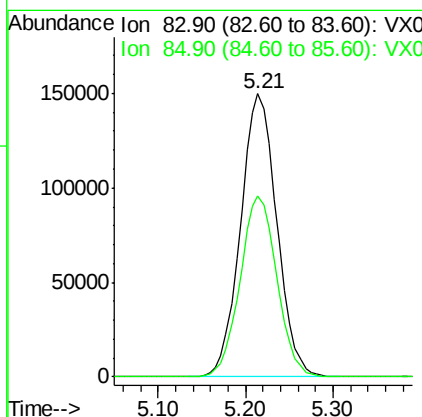
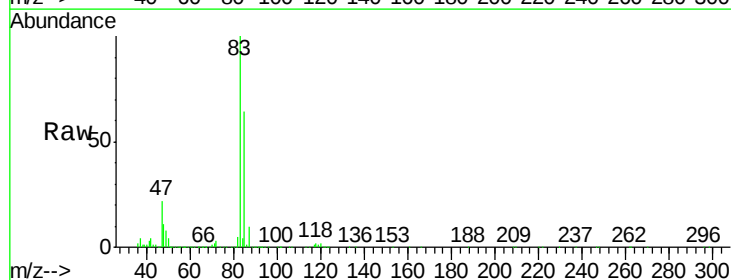
Manual Integrations
APPROVED

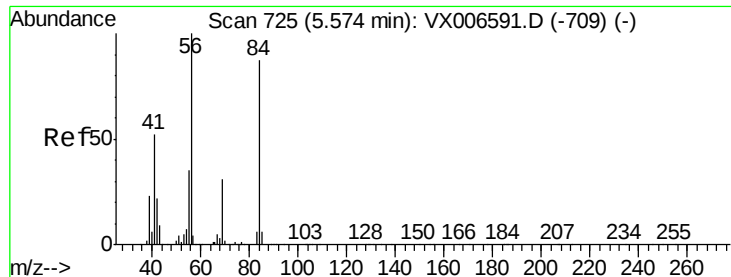
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#30
Chloroform
Concen: 50.221 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8





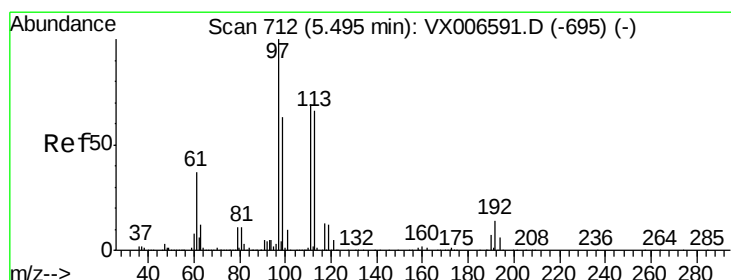
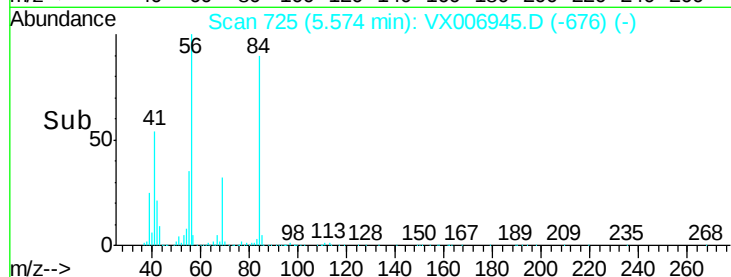
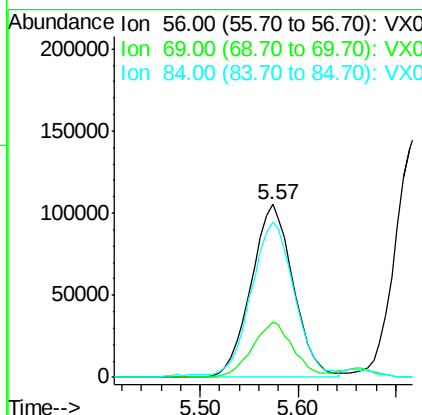
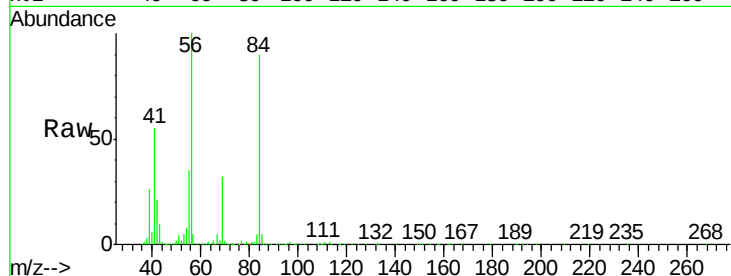
#31
Cyclohexane
Concen: 41.883 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.4	36.6
84	88.2	70.0	105.0

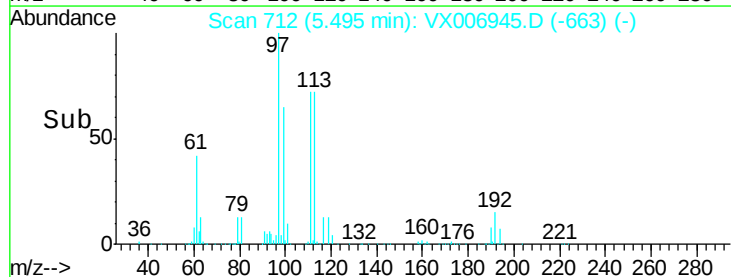
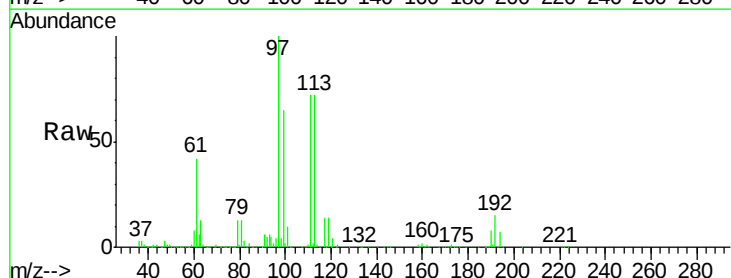
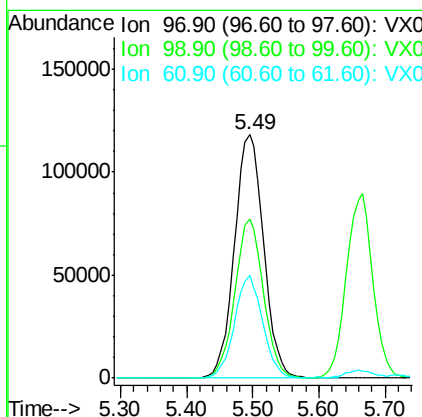
Manual Integrations
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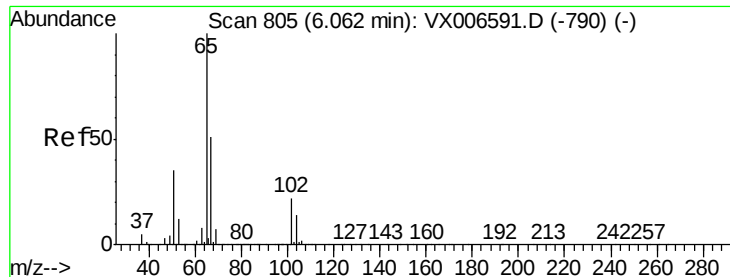
MMDadoda
1/8/2019 9:33:45 AM



#32
1,1,1-Trichloroethane
Concen: 49.886 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	40.5	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.901 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 276904

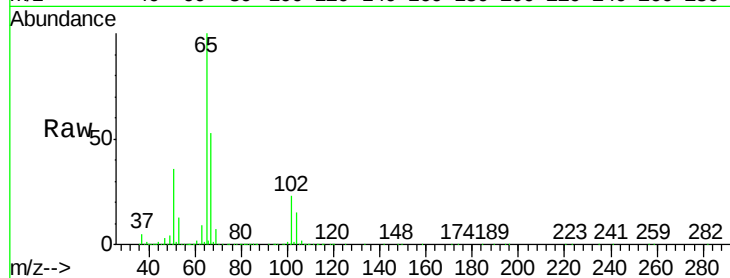
Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

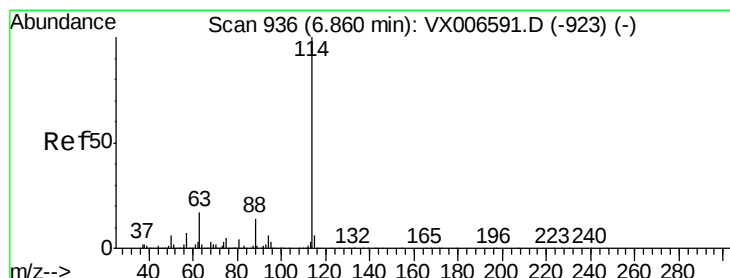
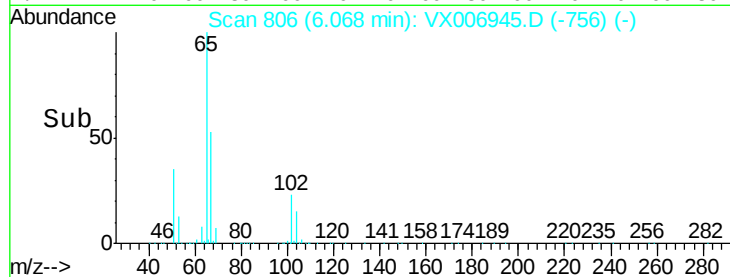
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

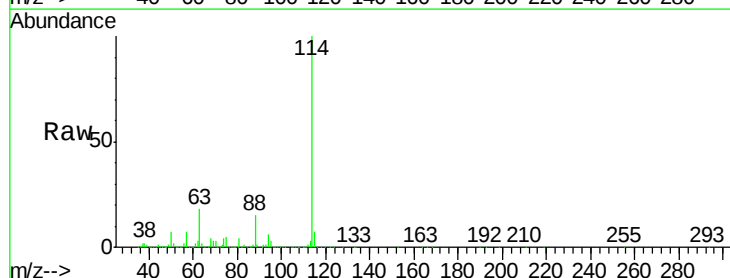
Tgt Ion: 114 Resp: 762086

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

88 14.7 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

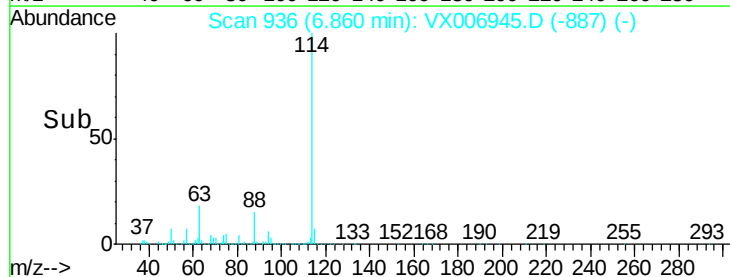
300000

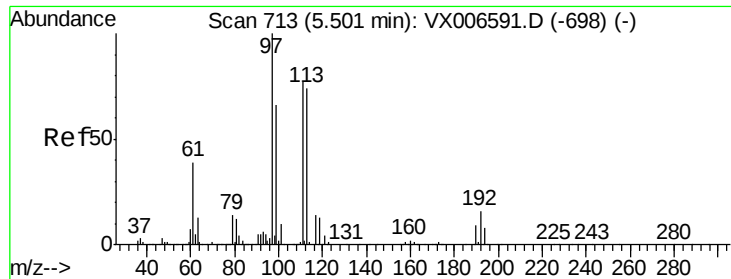
200000

100000

0

Time--> 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 52.676 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

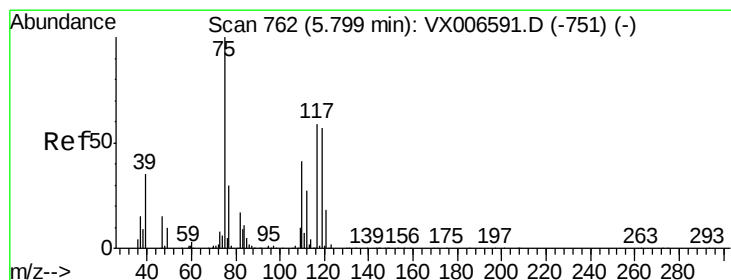
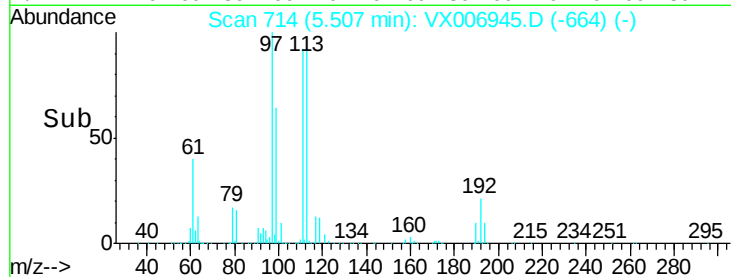
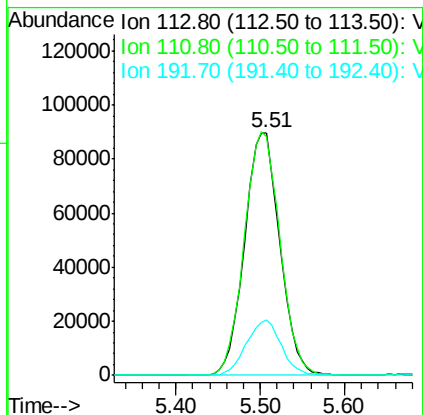
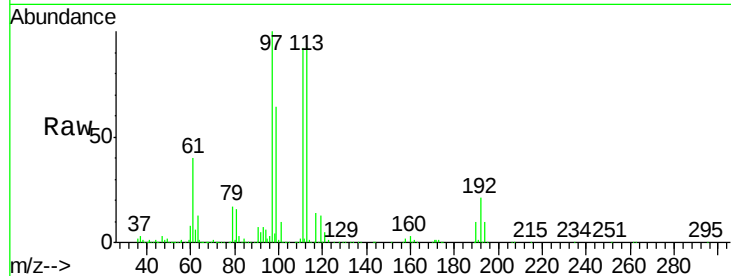
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	253859
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.6	122.4
192	22.6	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.167 ug/l

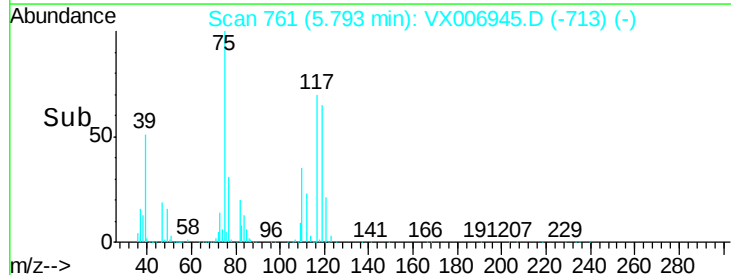
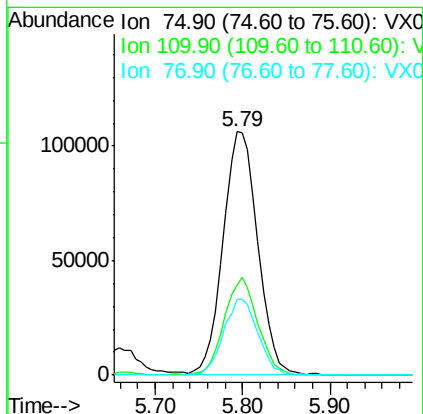
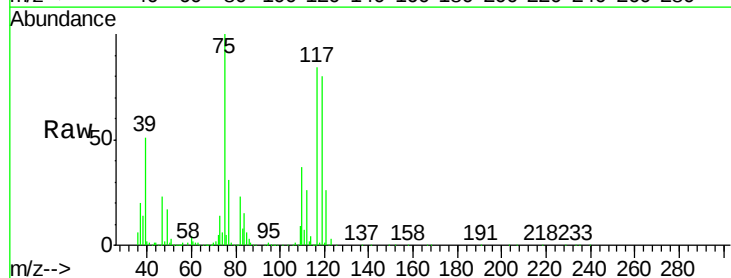
RT: 5.79 min Scan# 761

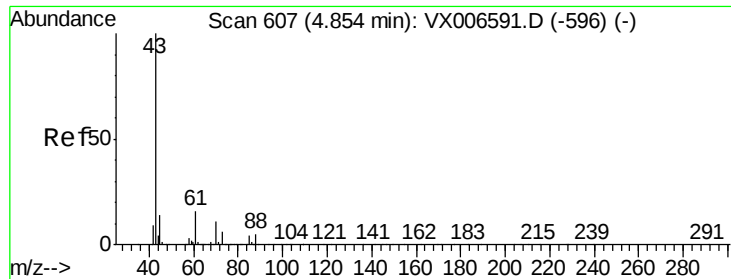
Delta R.T. -0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion:	75	Resp:	291400
Ion Ratio	Lower	Upper	
75	100		
110	39.0	20.2	60.5
77	30.7	24.8	37.2





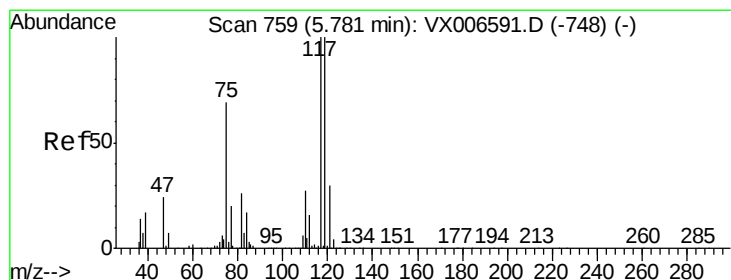
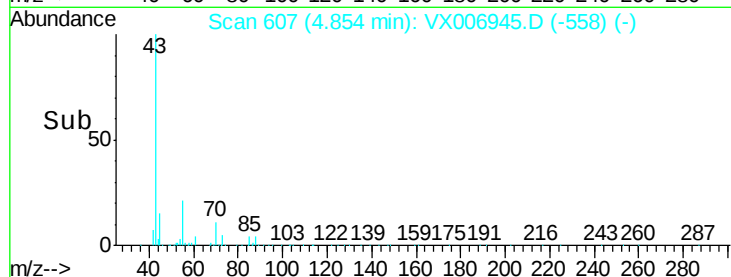
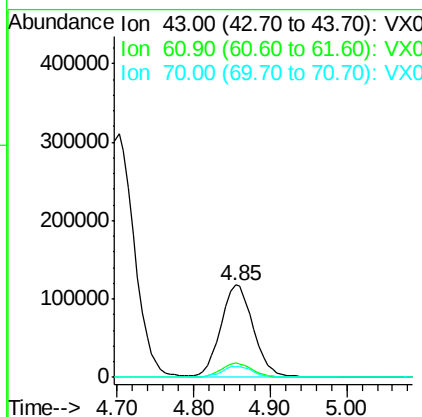
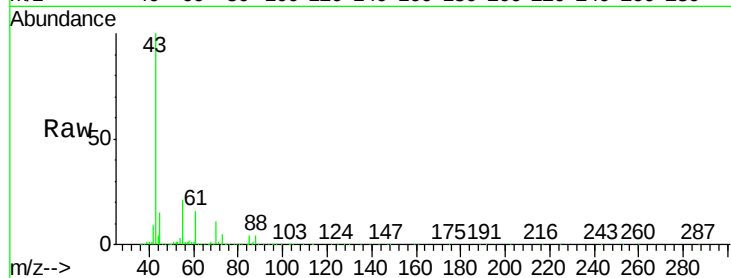
#37
Ethyl Acetate
Concen: 52.679 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	346070
Ion Ratio	Lower	Upper	
43	100		
61	14.7	11.9	17.9
70	11.5	9.7	14.5

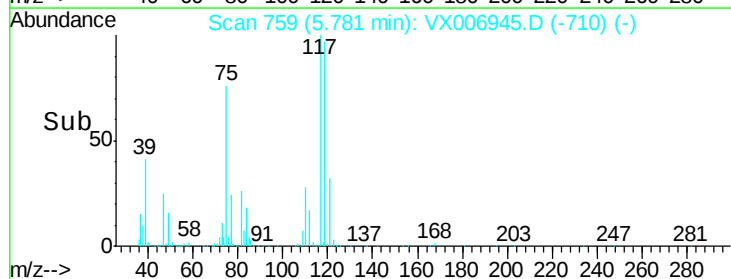
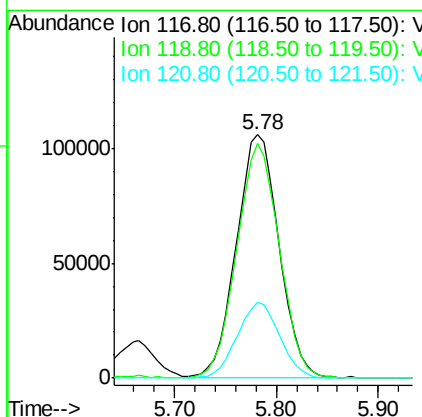
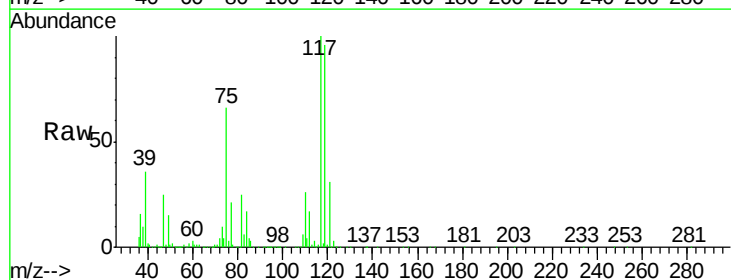
Manual Integrations
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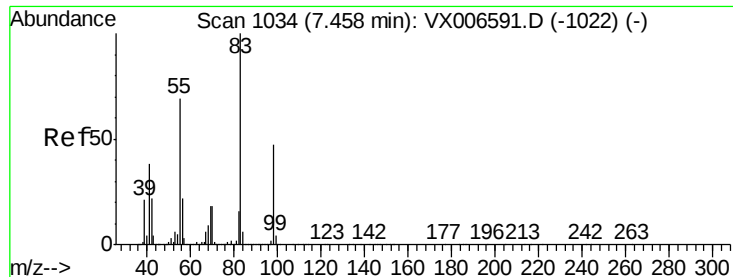
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1/8/2019 9:33:45 AM



#38
Carbon Tetrachloride
Concen: 50.110 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	117	Resp	307377
Ion Ratio	Lower	Upper	
117	100		
119	96.3	79.4	119.2
121	31.5	24.0	36.0





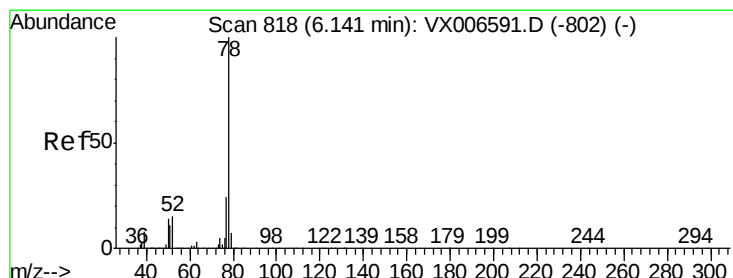
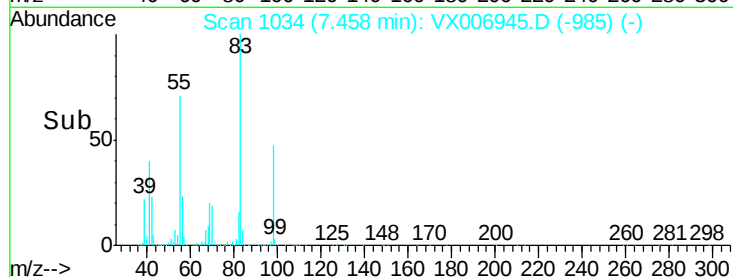
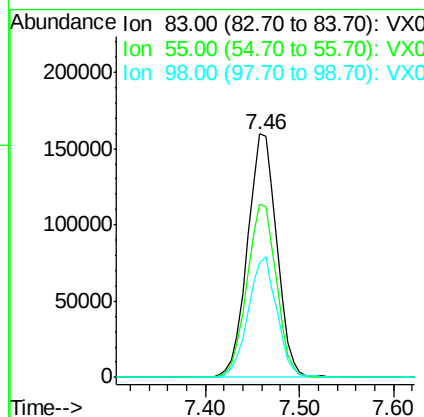
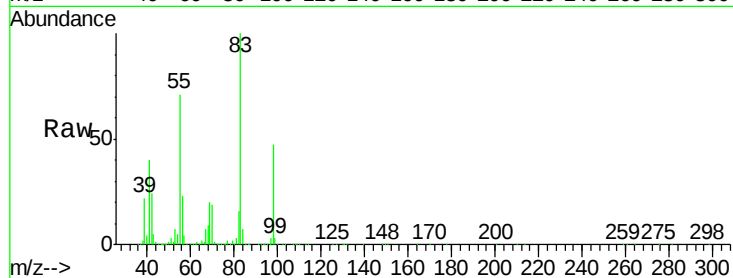
#39
Methvlcvclohexane
Concen: 41.646 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	54.9	82.3
98	47.1	37.9	56.9

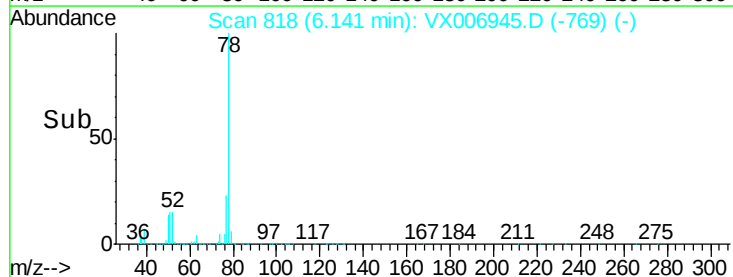
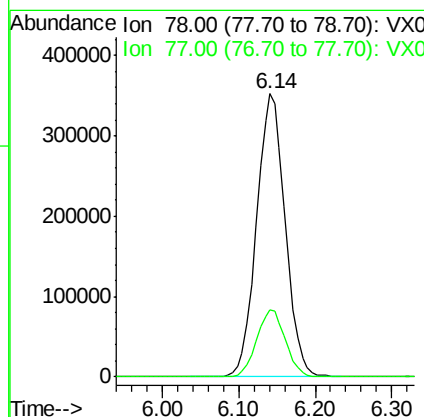
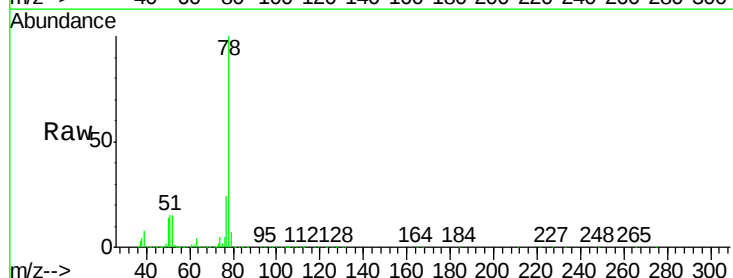
Manual Integrations
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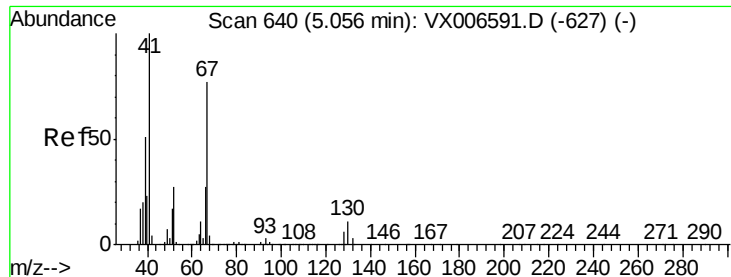
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#40
Benzene
Concen: 47.819 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 56.162 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

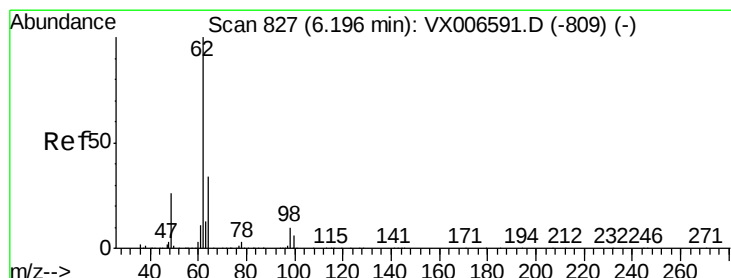
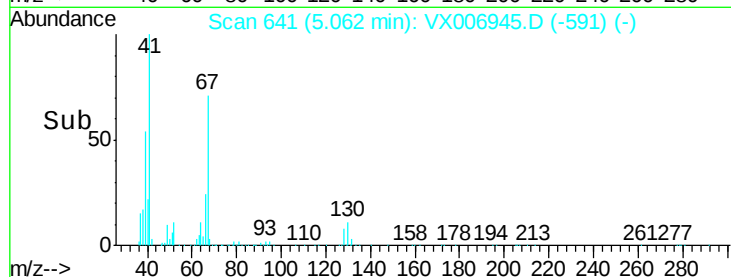
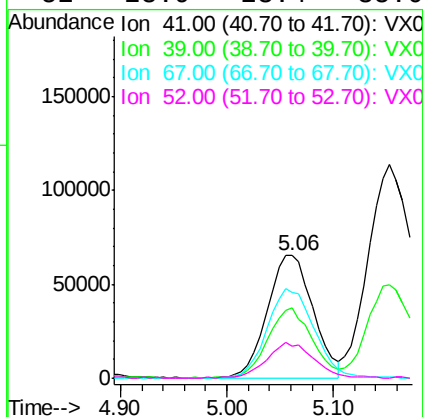
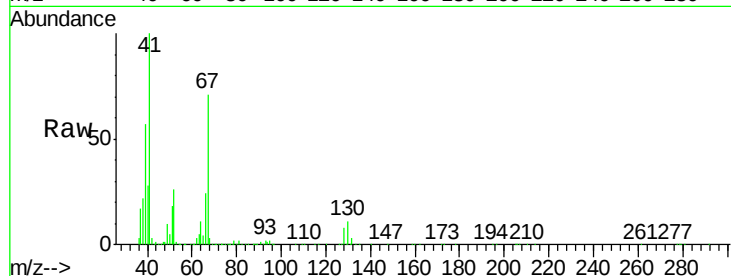
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		195885		
39	54.4	42.8	64.2		
67	75.3	62.1	93.1		
52	28.9	23.4	35.0		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.510 ug/l

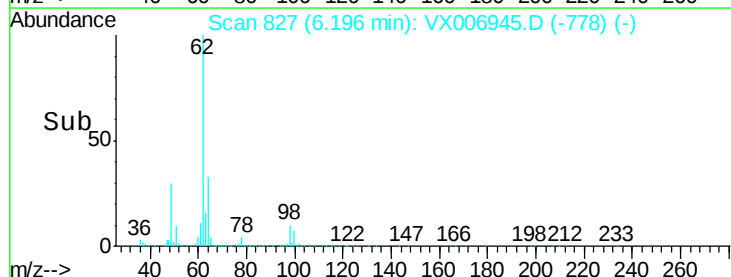
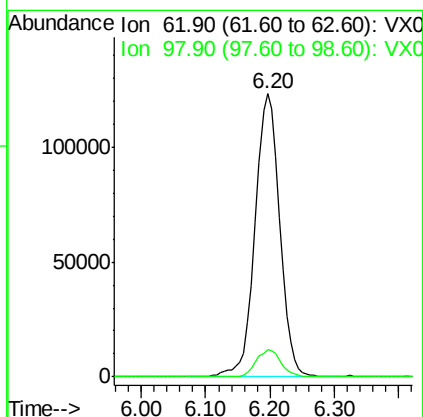
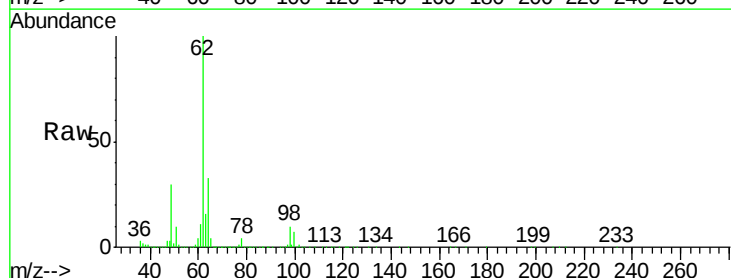
RT: 6.20 min Scan# 827

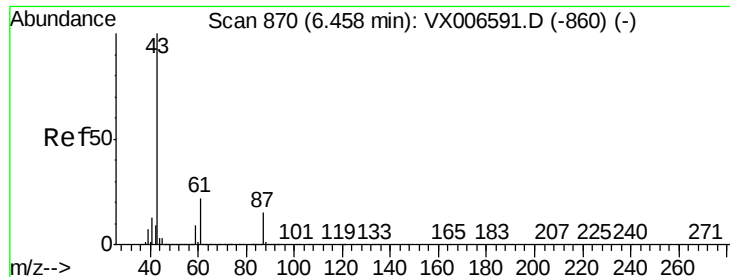
Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		323678		
98	9.8	0.0	20.2		





#43

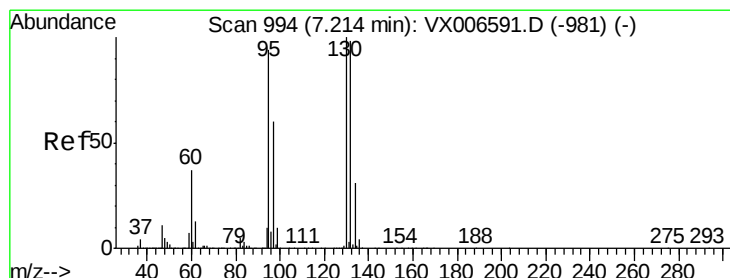
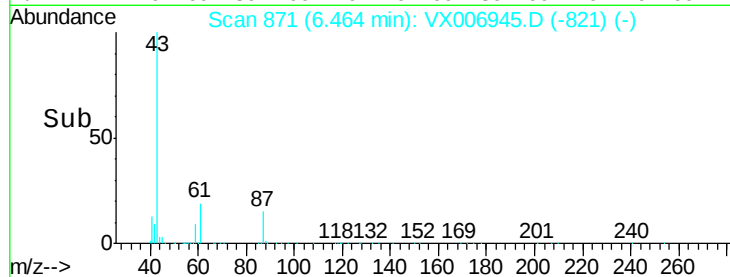
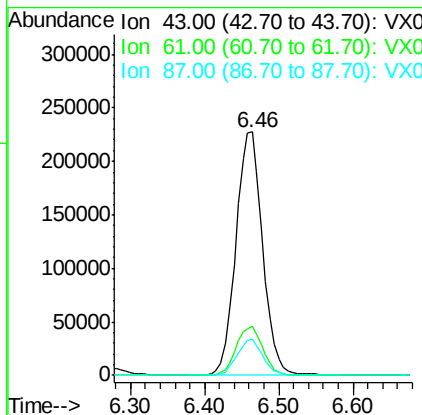
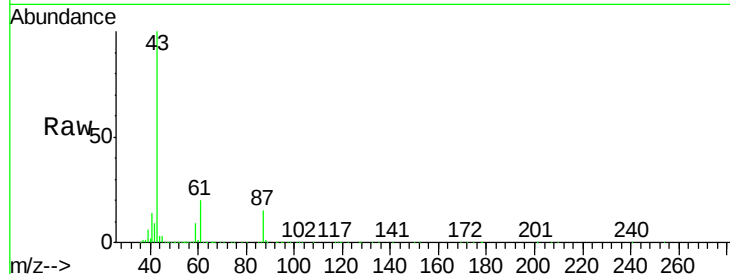
Isopropyl Acetate
 Concen: 57.048 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX006945.D
 Acq: 07 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	570238
Ion Ratio	100	Lower	Upper
43	100		
61	20.0	16.8	25.2
87	14.4	12.4	18.6

Manual Integrations
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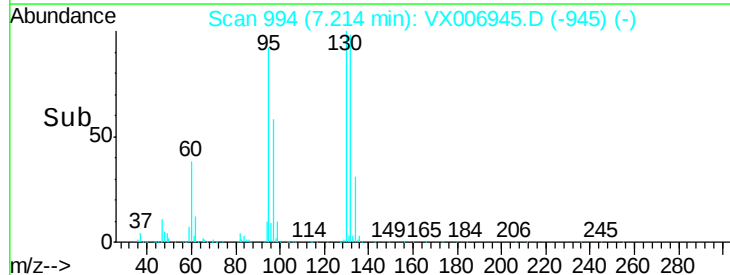
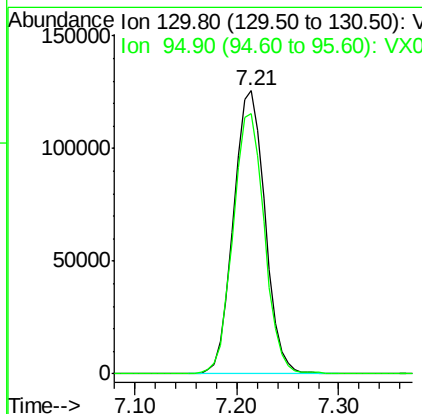
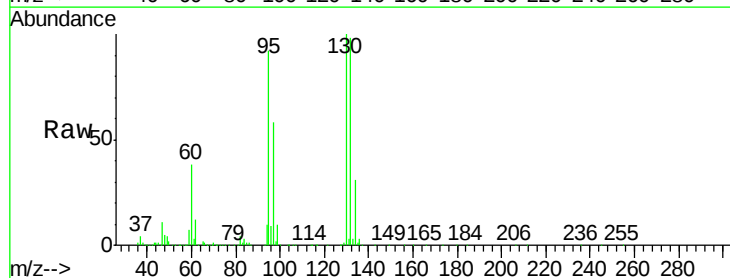
MMDadoda
 1/8/2019 9:33:45 AM

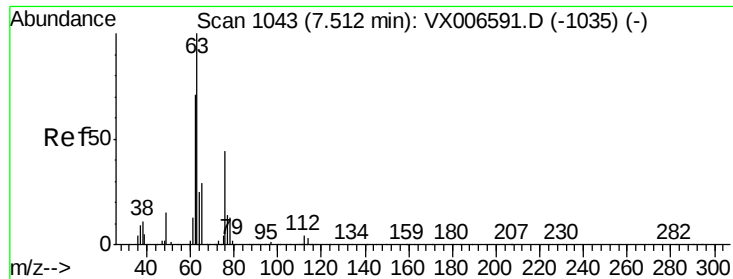


#44

Trichloroethene
 Concen: 46.283 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006945.D
 Acq: 07 Jan 2019 19:28

Tgt Ion	130	Resp	268765
Ion Ratio	100	Lower	Upper
130	100		
95	91.7	0.0	187.0





#45

1,2-Dichloropropane

Concen: 51.637 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 241085

Ion Ratio Lower Upper

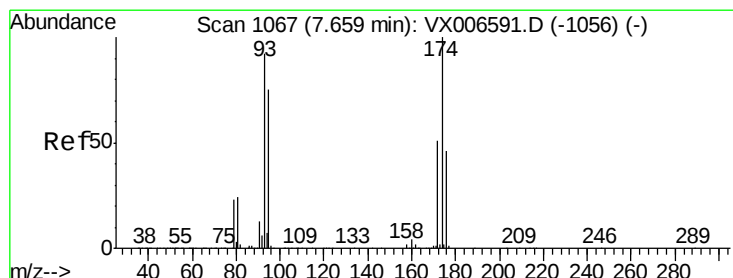
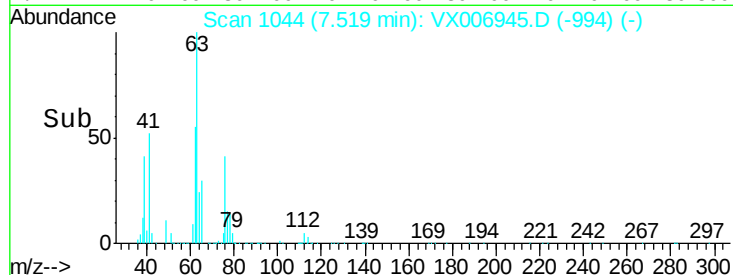
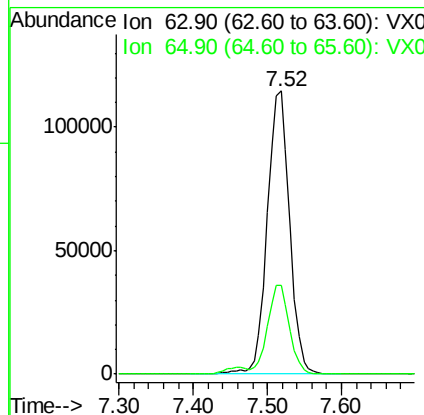
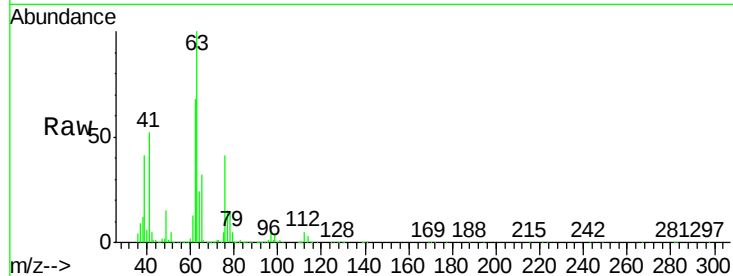
63 100

65 31.4 25.4 38.0

Manual Integrations
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#46

Dibromomethane

Concen: 49.400 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

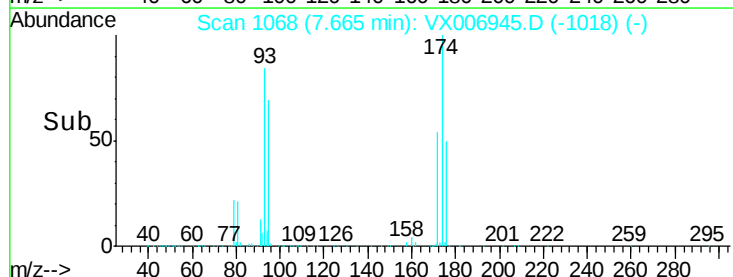
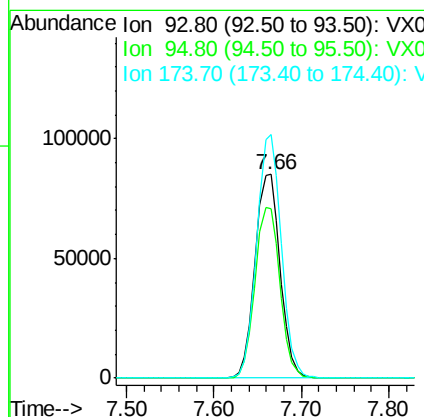
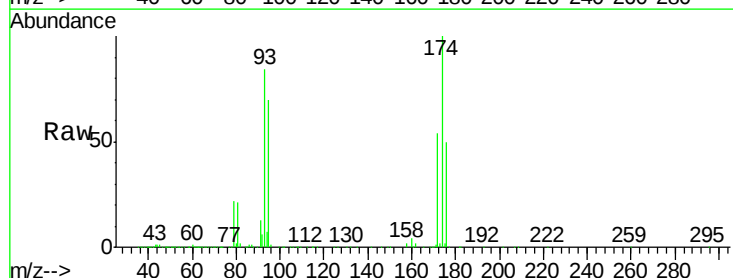
Tgt Ion: 93 Resp: 169650

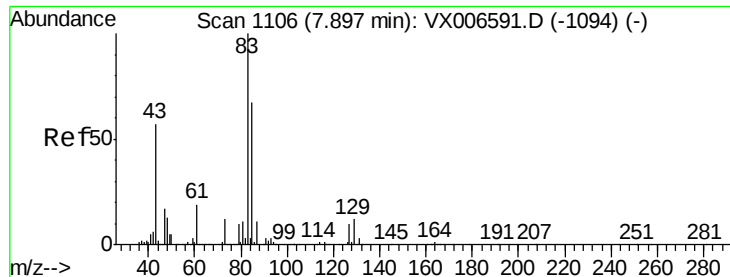
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 116.7 91.0 136.4





#47

Bromodichloromethane

Concen: 52.870 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

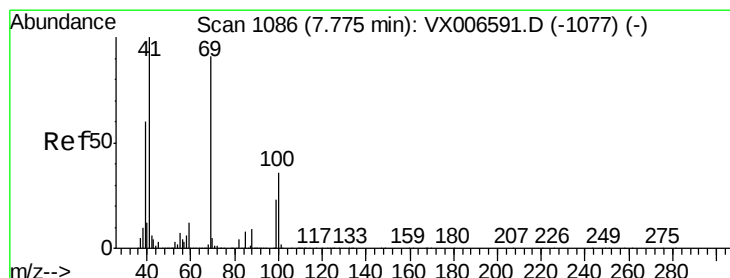
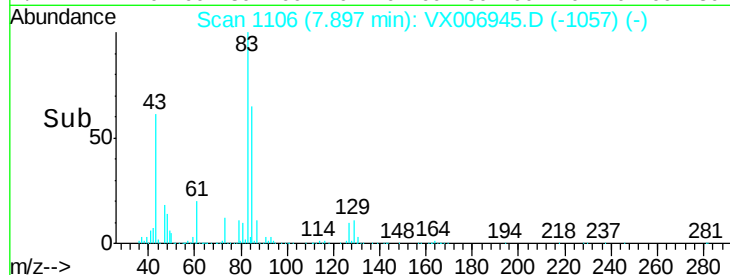
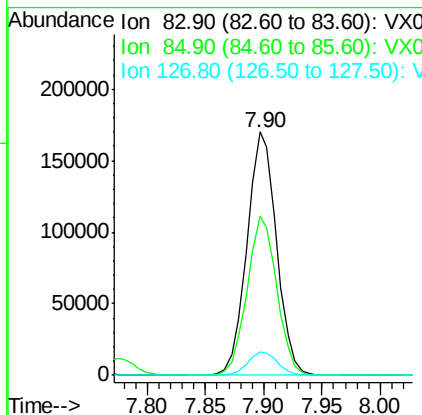
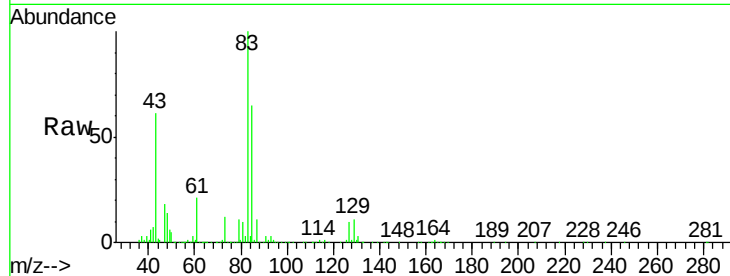
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	301443
Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.2	79.8
127	9.9	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.735 ug/l

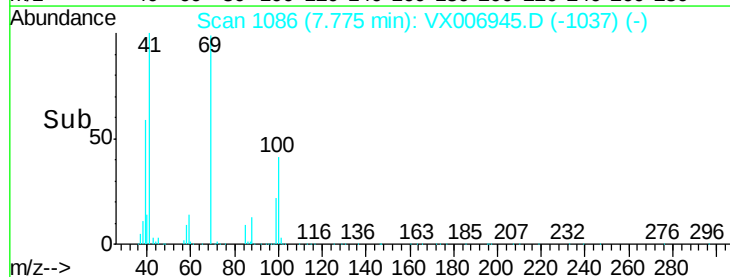
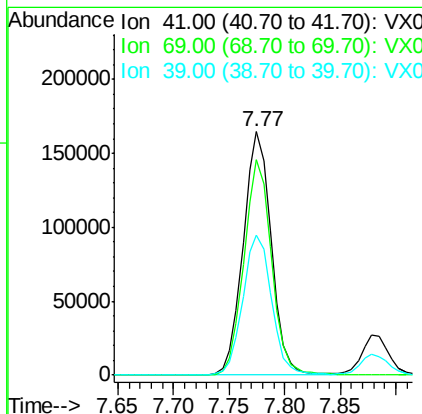
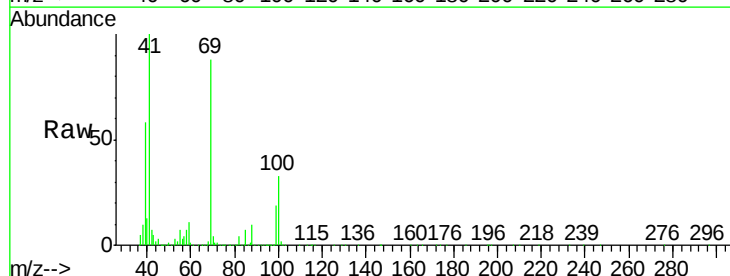
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion:	41	Resp:	288392
Ion	Ratio	Lower	Upper
41	100		
69	87.4	72.4	108.6
39	59.1	45.8	68.8





#49

1,4-Dioxane

Concen: 966.942 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

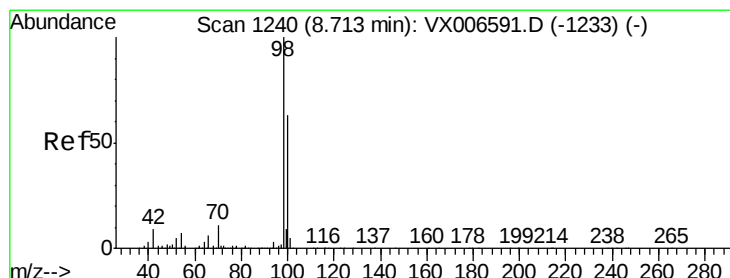
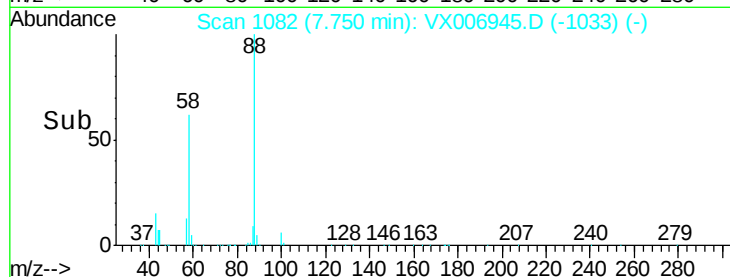
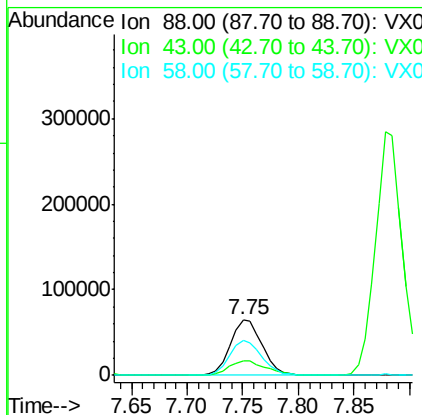
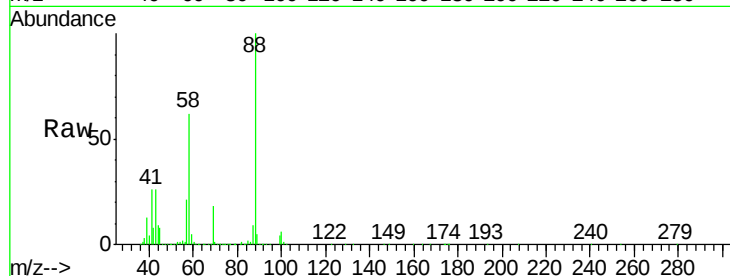
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	128688
Ion Ratio	Lower	Upper	
88	100		
43	29.4	22.2	33.4
58	64.5	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.263 ug/l

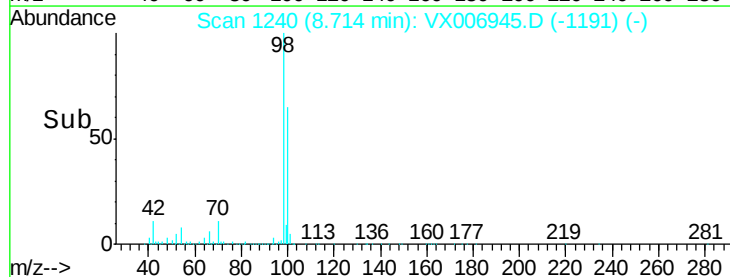
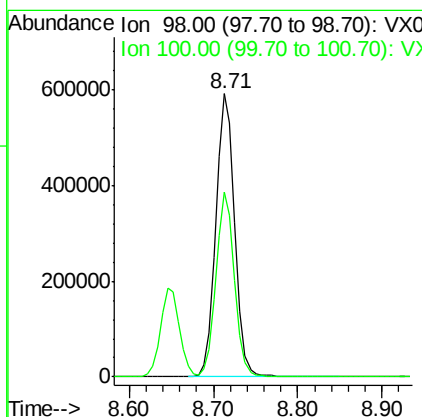
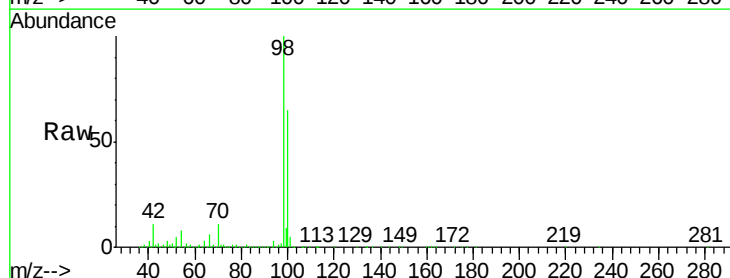
RT: 8.71 min Scan# 1240

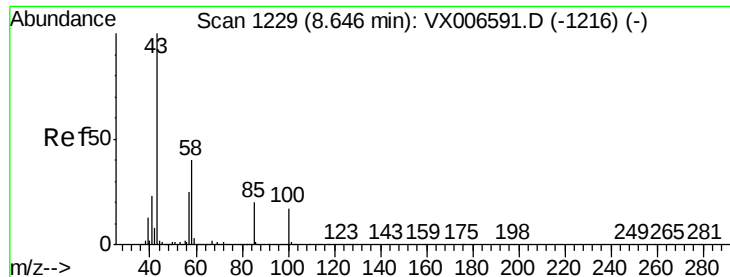
Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion:	98	Resp:	913225
Ion Ratio	Lower	Upper	
98	100		
100	64.2	52.0	78.0





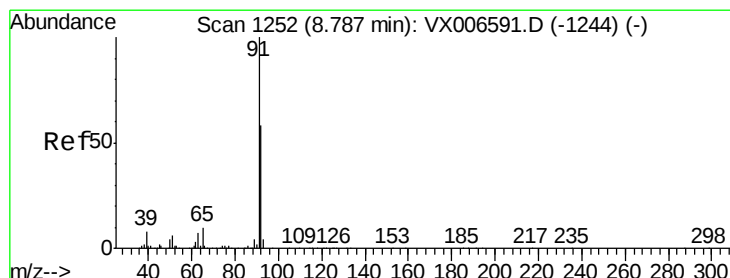
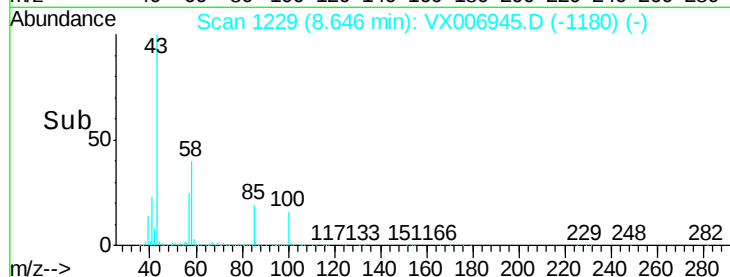
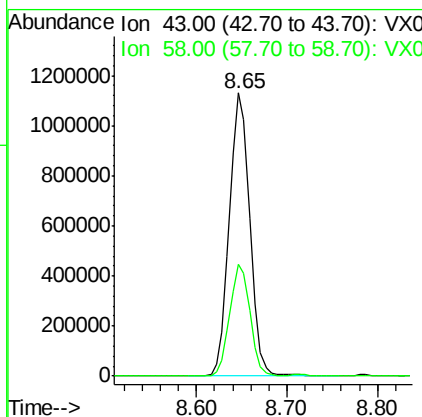
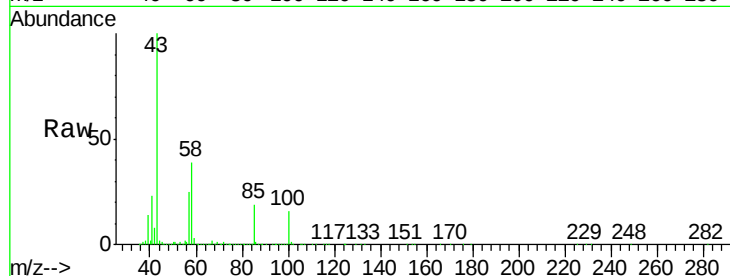
#51
4-Methyl-2-Pentanone
Concen: 278.960 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1774180
Ion Ratio Lower Upper
43 100
58 39.1 31.8 47.6

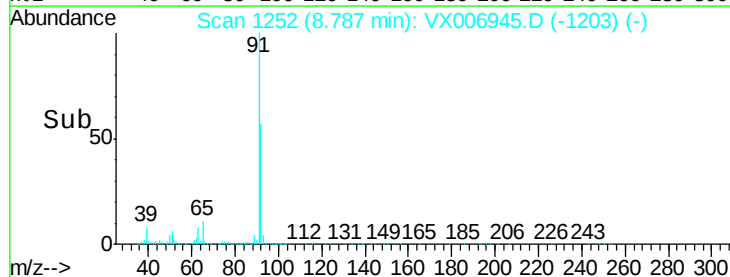
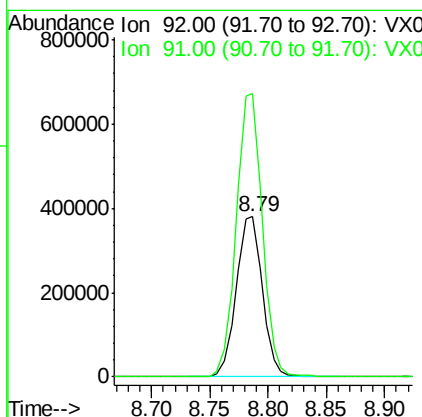
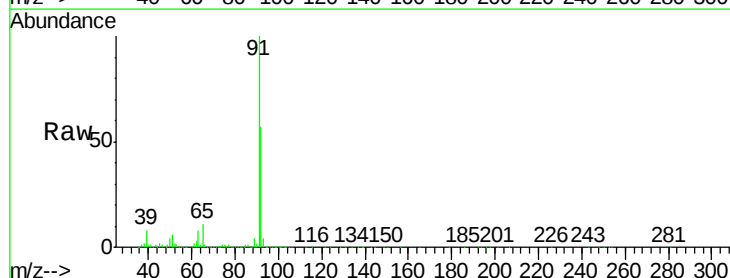
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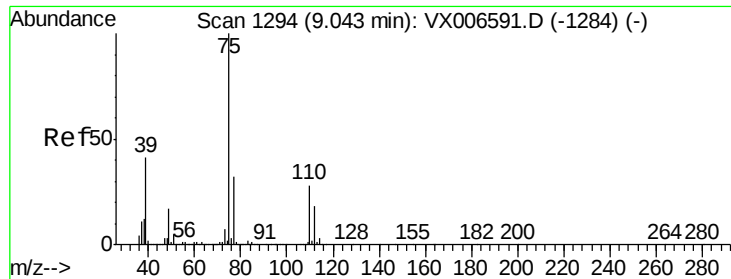
MMDadoda
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#52
Toluene
Concen: 48.257 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion: 92 Resp: 598135
Ion Ratio Lower Upper
92 100
91 176.3 137.6 206.4





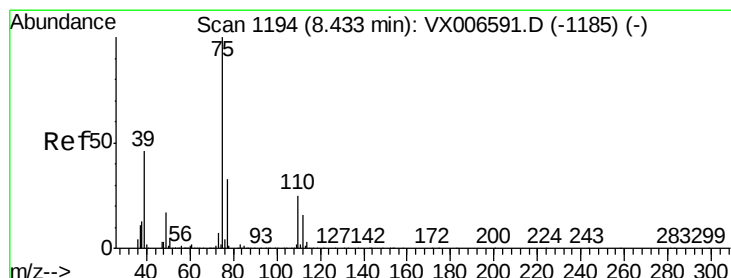
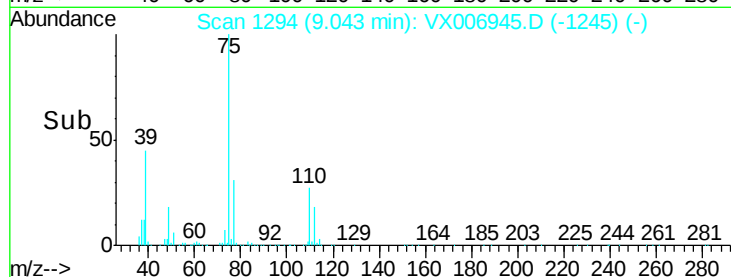
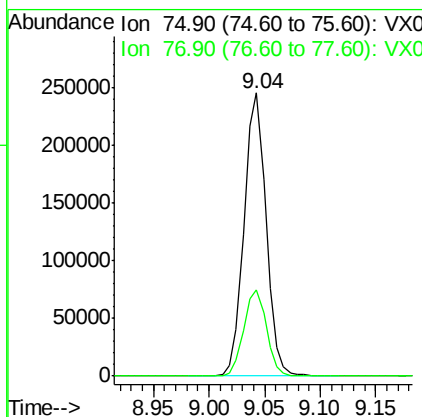
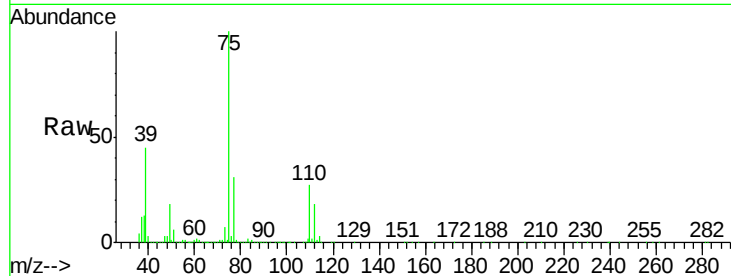
#53
t-1,3-Dichloropropene
Concen: 55.136 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0

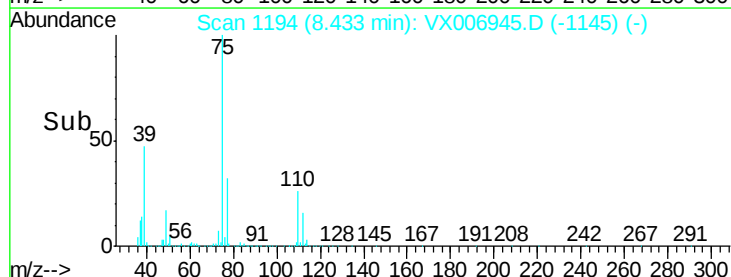
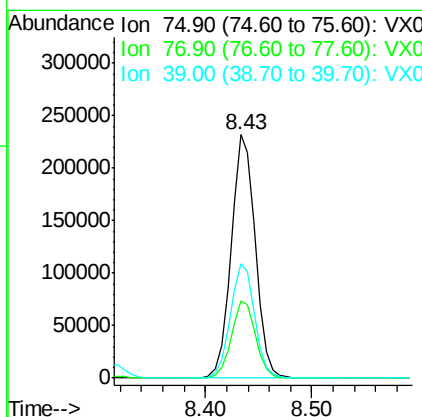
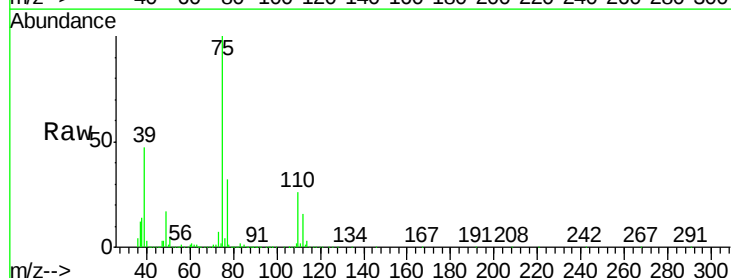
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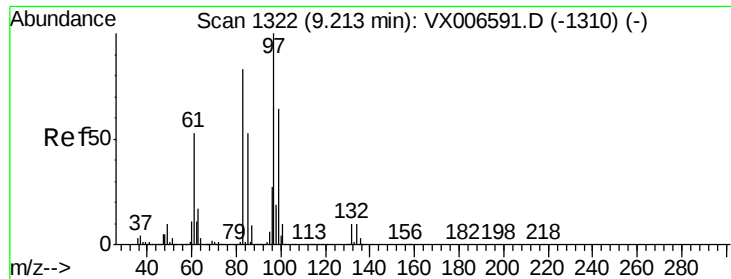
MMDadoda
1/8/2019 9:33:45 AM



#54
cis-1,3-Dichloropropene
Concen: 54.604 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.2	39.2
39	46.7	36.7	55.1





#55

1,1,2-Trichloroethane

Concen: 52.866 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

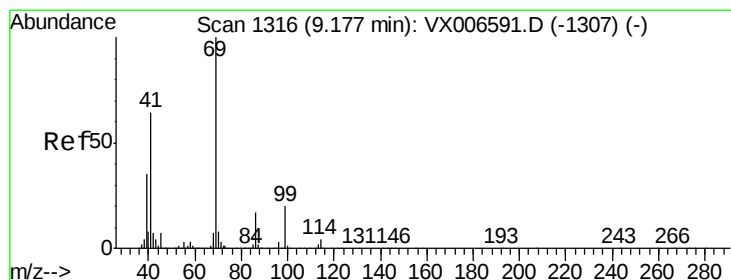
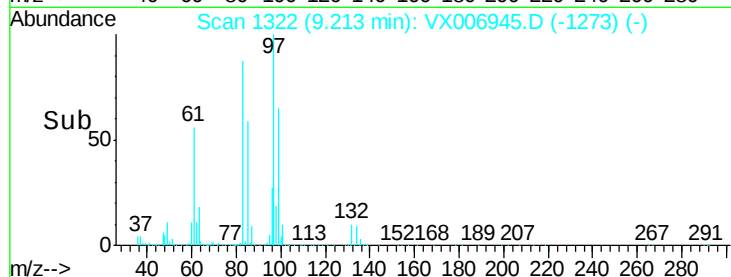
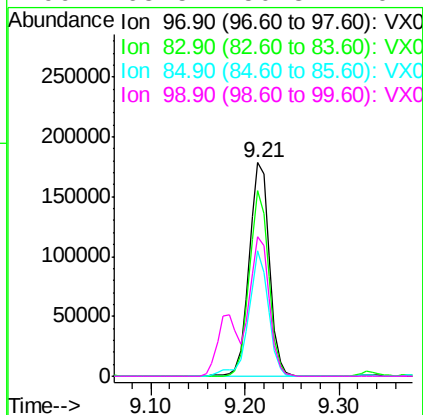
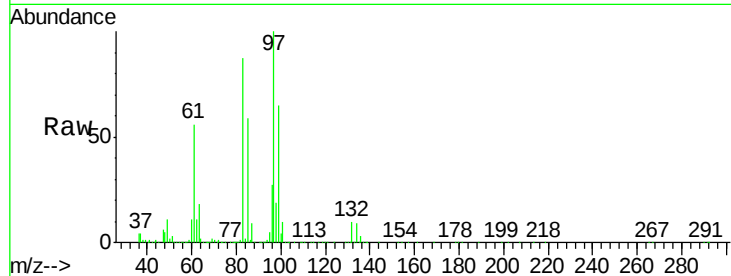
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		268214		
83	87.1	66.6	99.8		
85	58.5	42.7	64.1		
99	65.5	50.8	76.2		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 54.124 ug/l

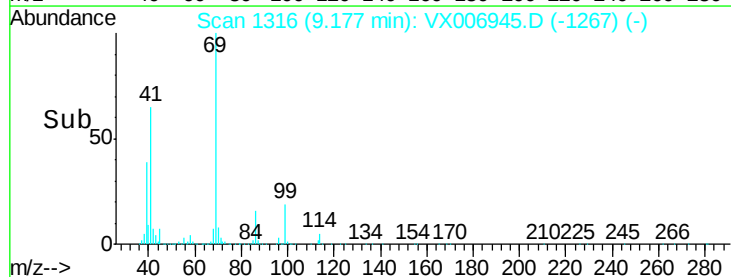
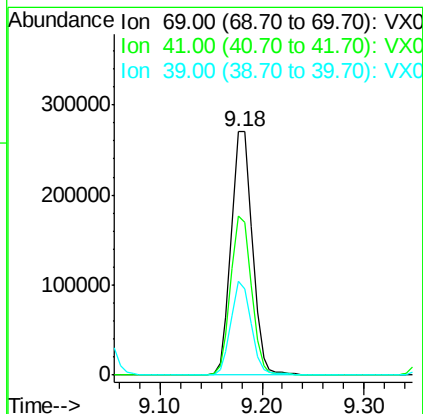
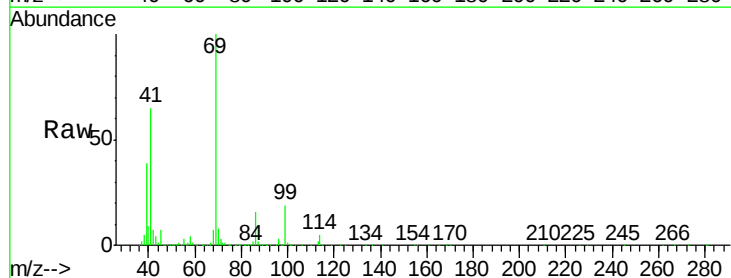
RT: 9.18 min Scan# 1316

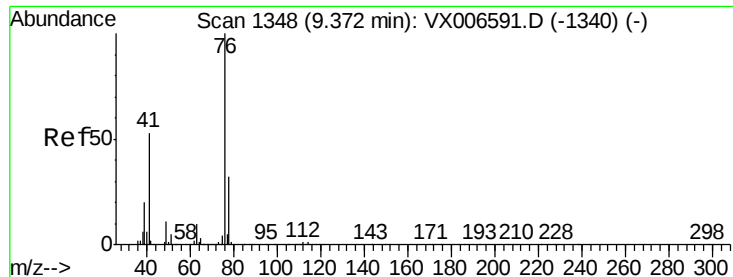
Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		388107		
41	64.6	48.7	73.1		
39	36.7	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 51.335 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 419031

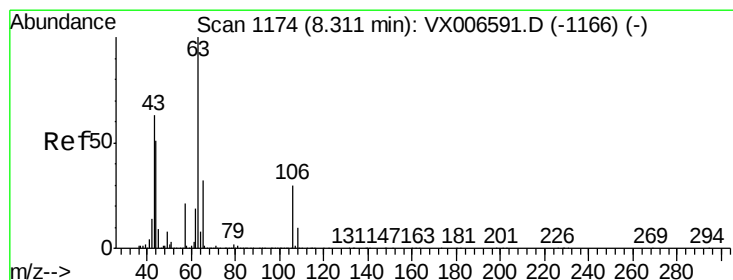
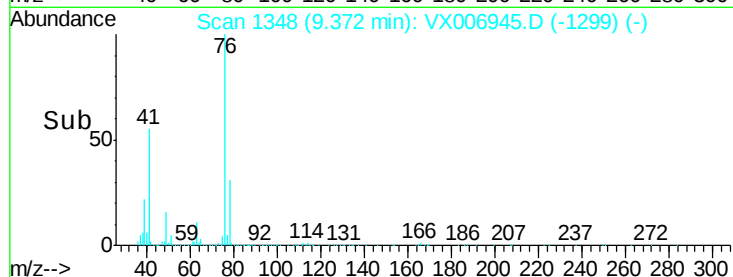
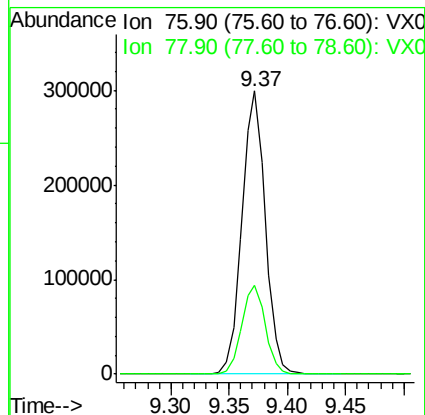
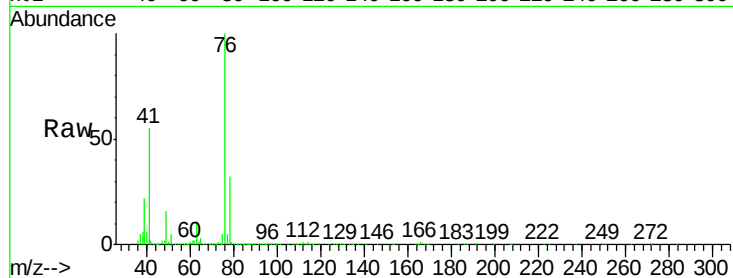
Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0

Manual Integrations
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1/8/2019 9:33:45 AM



#58

2-Chloroethyl Vinyl ether

Concen: 269.623 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006945.D

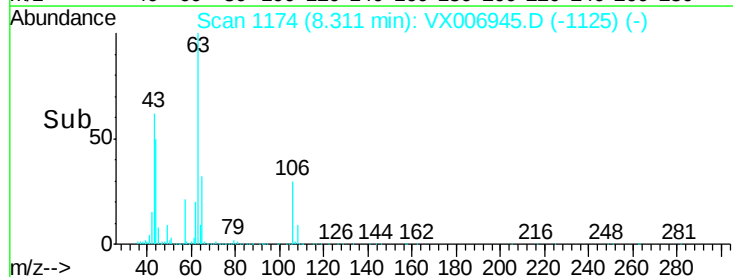
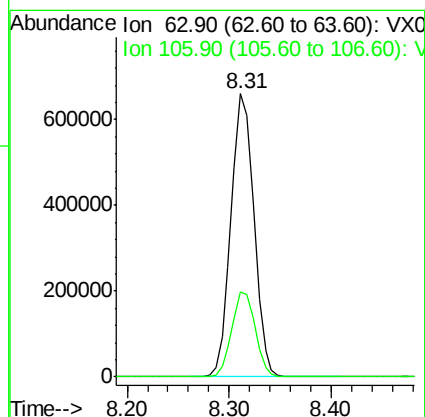
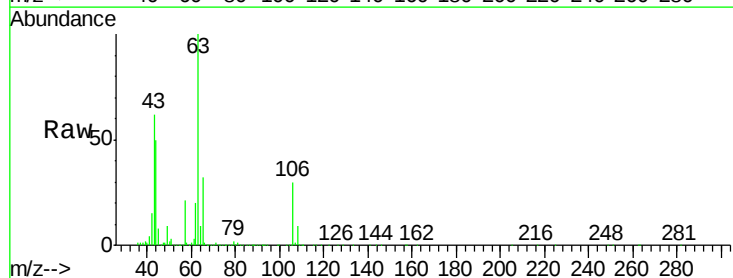
Acq: 07 Jan 2019 19:28

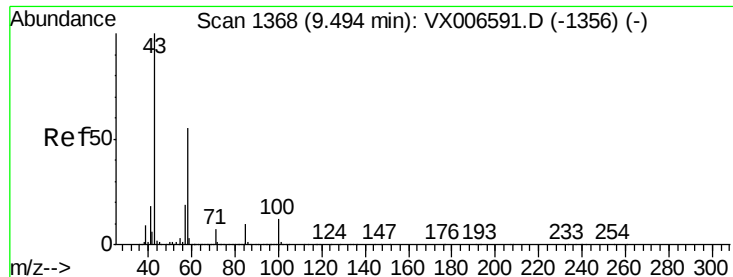
Tgt Ion: 63 Resp: 1027718

Ion Ratio Lower Upper

63 100

106 30.5 24.6 36.8





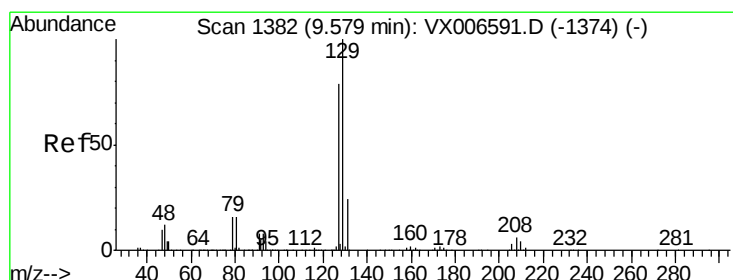
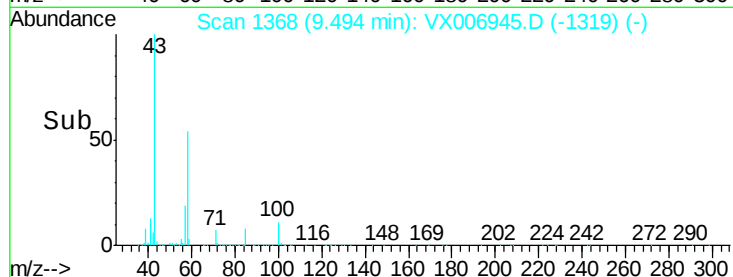
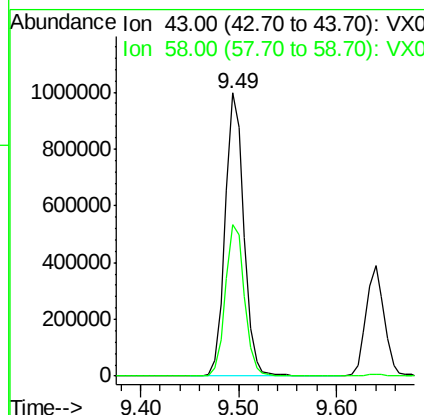
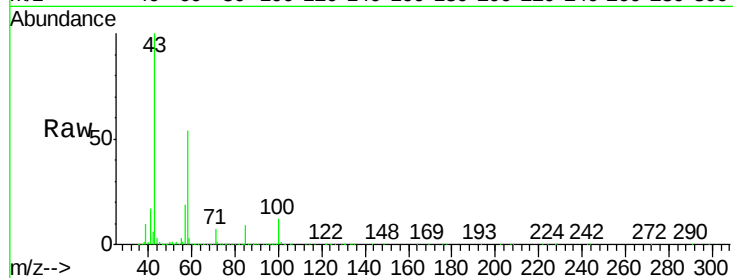
#59
2-Hexanone
Concen: 272.064 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1323902
Ion Ratio Lower Upper
43 100
58 54.7 27.7 83.1

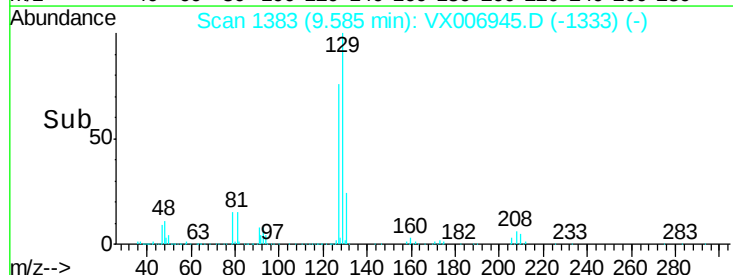
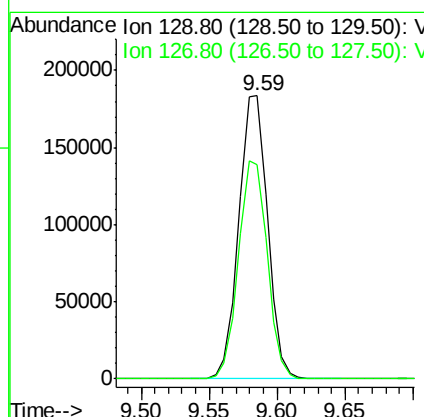
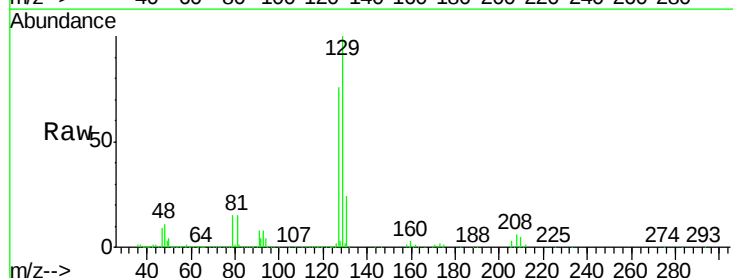
Manual Integrations
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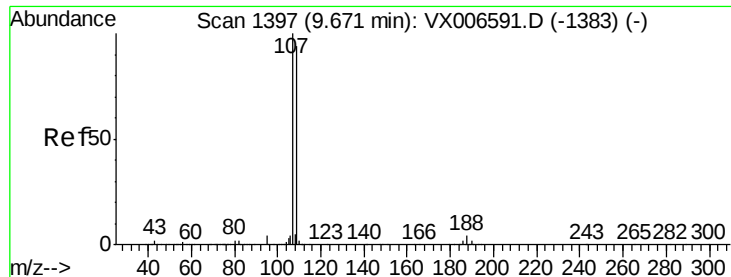
MMDadoda
1/8/2019 9:33:45 AM



#60
Dibromochloromethane
Concen: 51.037 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion: 129 Resp: 271082
Ion Ratio Lower Upper
129 100
127 77.2 39.3 117.8





#61

1,2-Dibromoethane

Concen: 53.203 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 286936

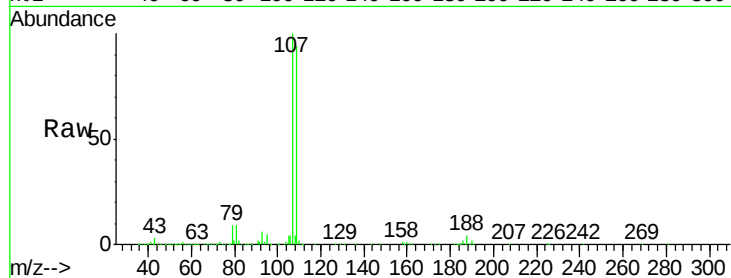
Ion Ratio Lower Upper

107 100

109 93.6 75.8 113.6

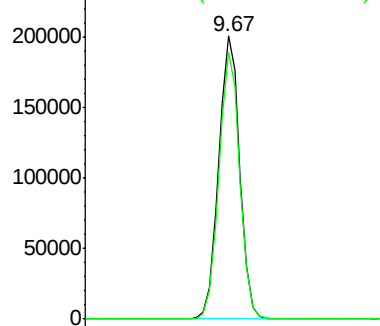
Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:33:45 AM

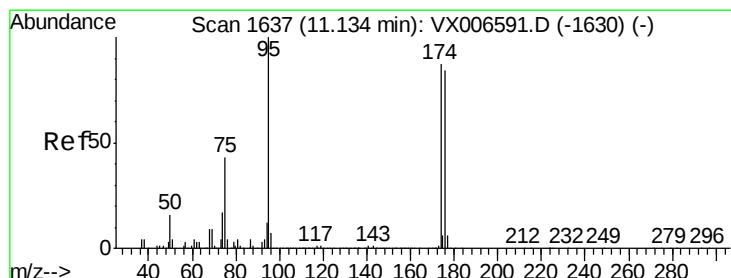
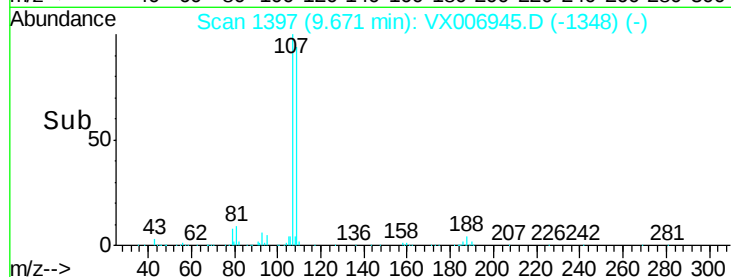


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 49.563 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

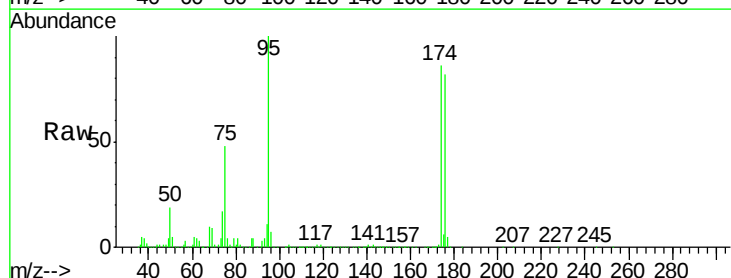
Tgt Ion: 95 Resp: 329801

Ion Ratio Lower Upper

95 100

174 93.8 0.0 182.2

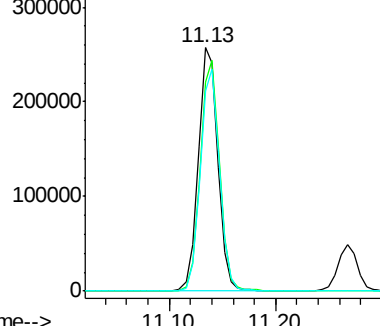
176 90.3 0.0 178.8



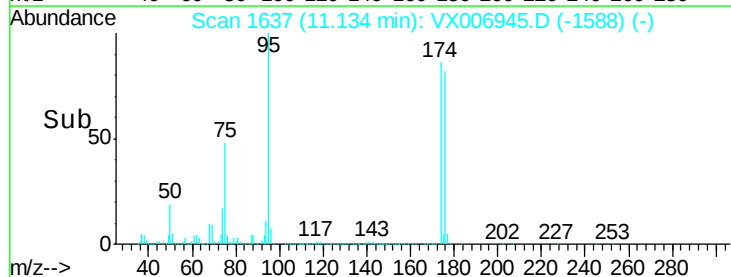
Abundance Ion 94.90 (94.60 to 95.60): VX0

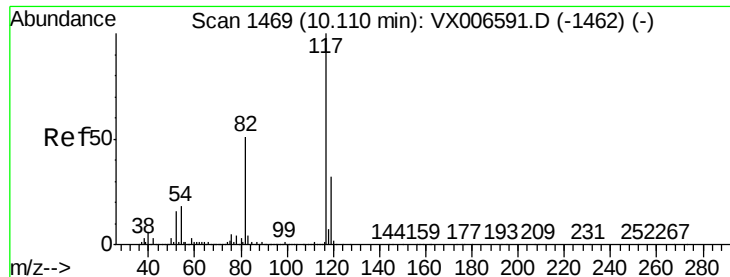
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





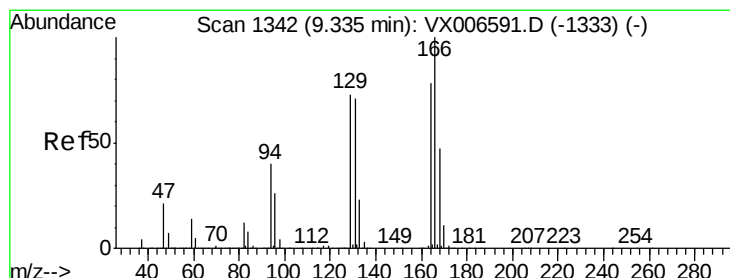
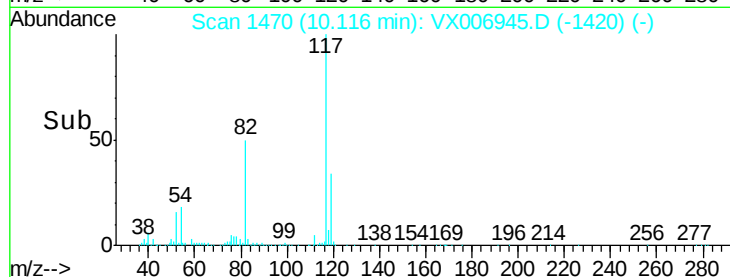
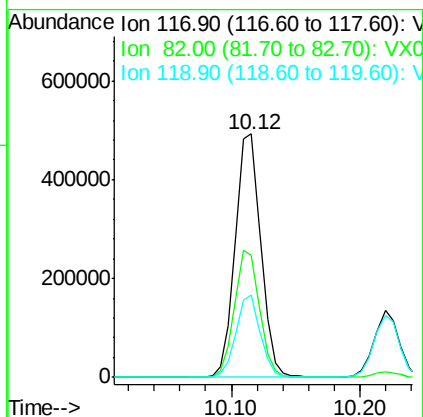
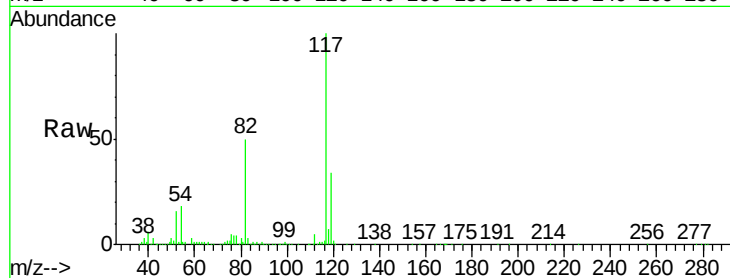
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	685344		
82	49.9		41.0	61.6
119	33.8		25.4	38.0

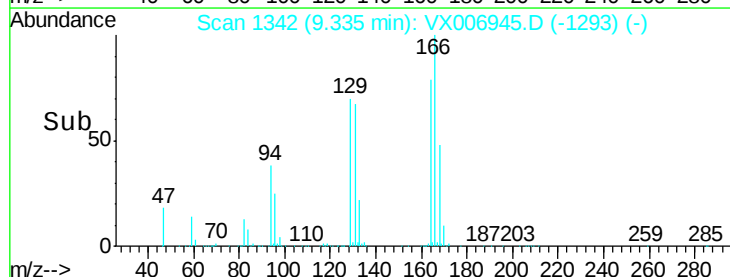
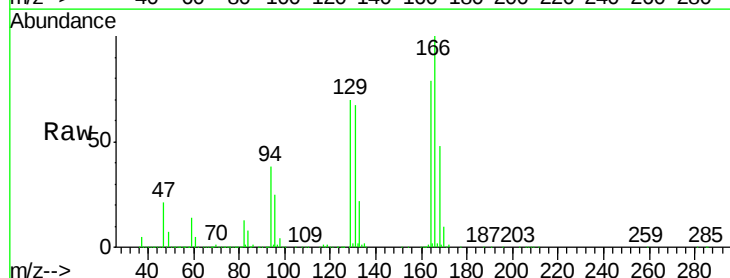
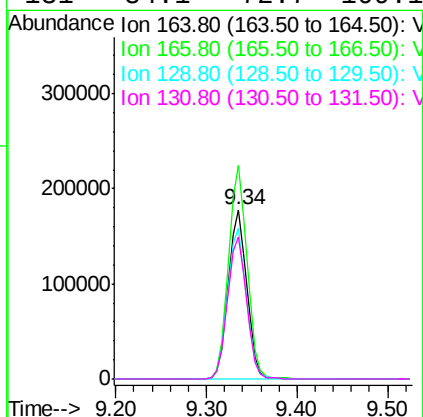
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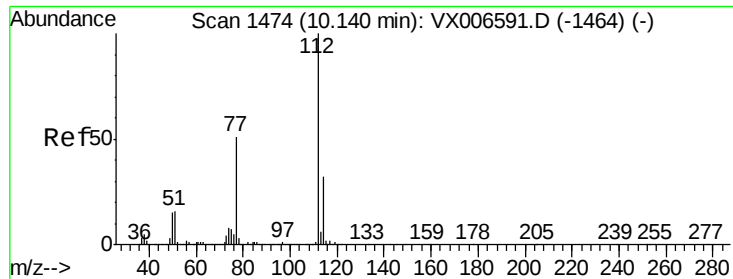
MMDadoda
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#64
Tetrachloroethene
Concen: 46.575 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	252758		
166	126.3		102.5	153.7
129	89.0		75.1	112.7
131	84.1		72.7	109.1





#65

Chlorobenzene

Concen: 49.449 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 716957

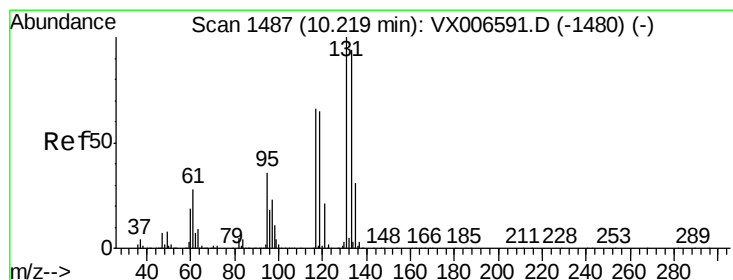
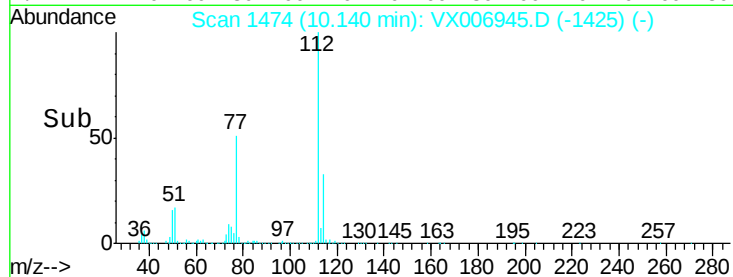
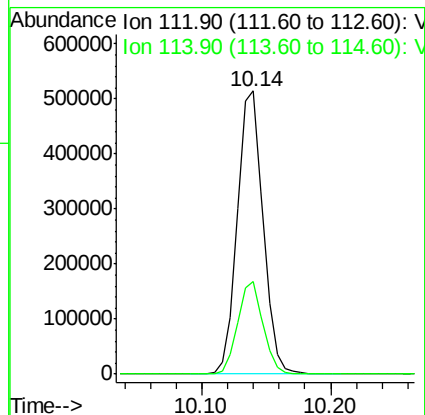
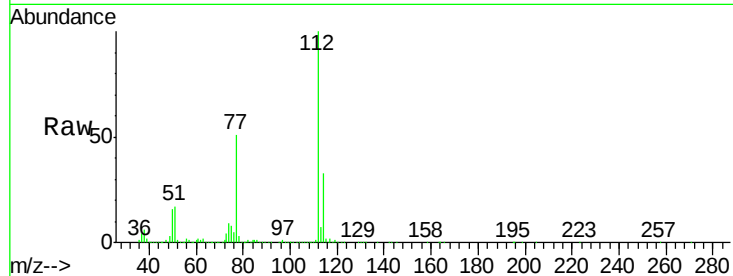
Ion Ratio Lower Upper

112 100

114 32.7 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 58.399 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

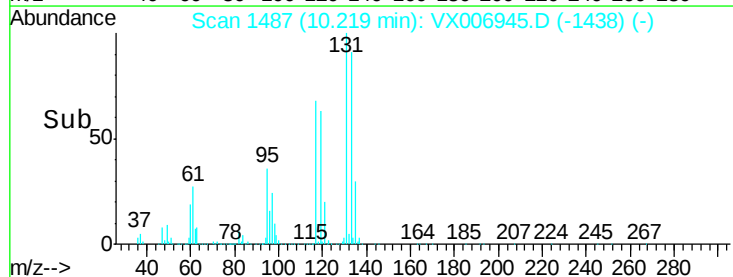
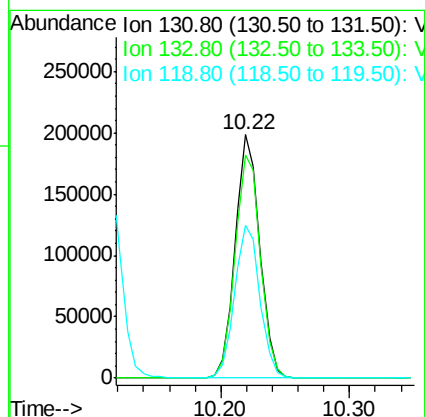
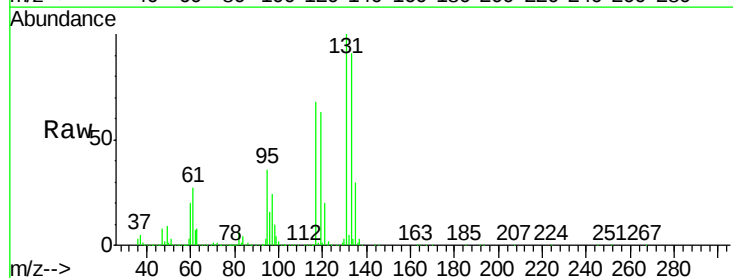
Tgt Ion:131 Resp: 264179

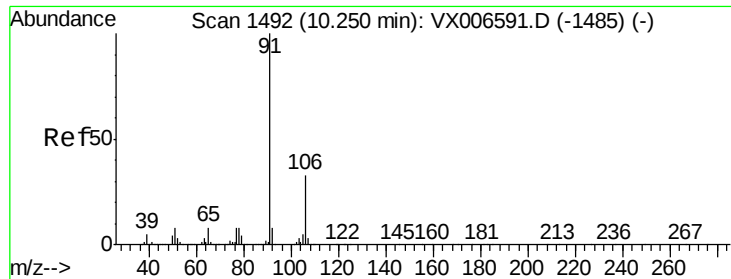
Ion Ratio Lower Upper

131 100

133 94.5 48.0 144.2

119 64.7 32.6 97.8





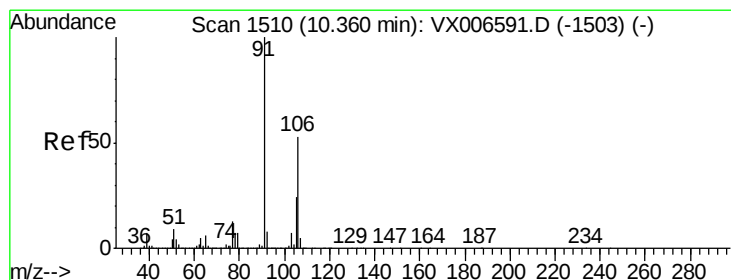
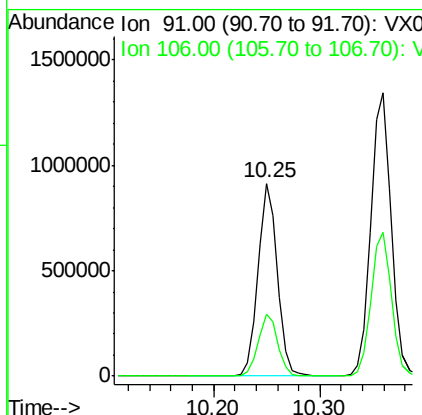
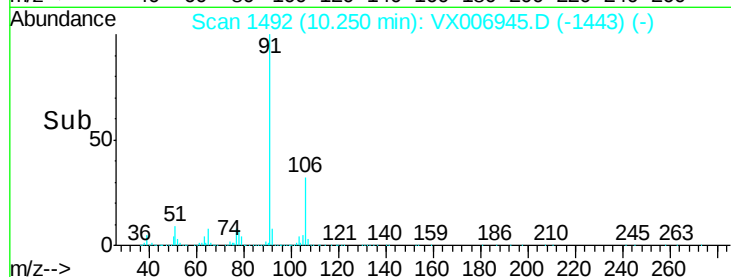
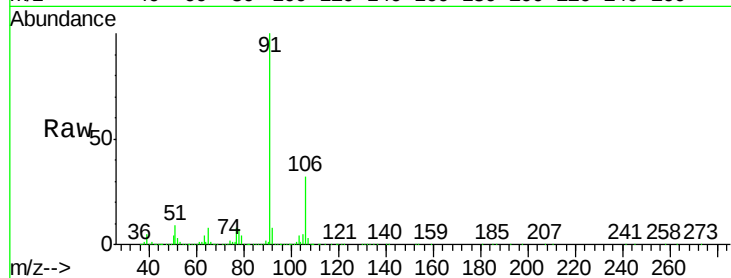
#67
Ethyl Benzene
Concen: 49.282 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1167618
Ion Ratio Lower Upper
91 100
106 32.2 26.4 39.6

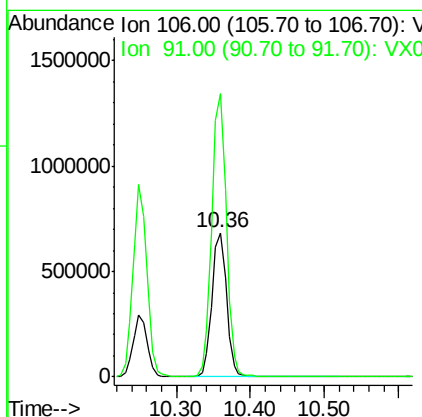
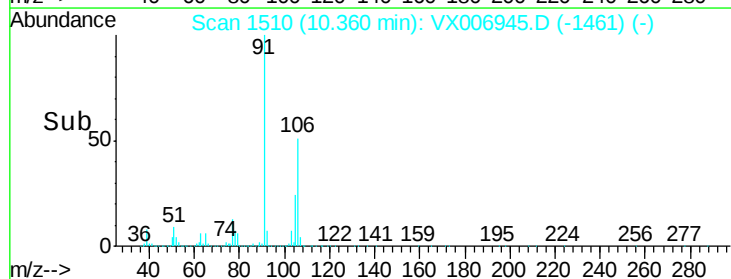
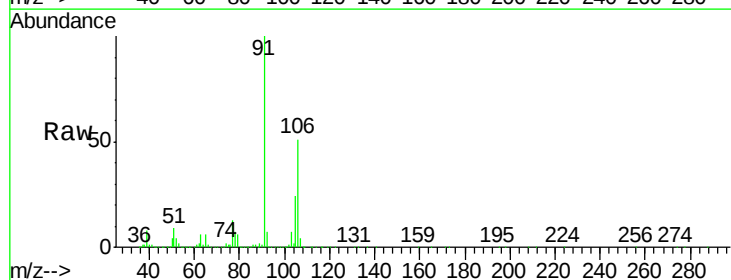
Manual Integrations
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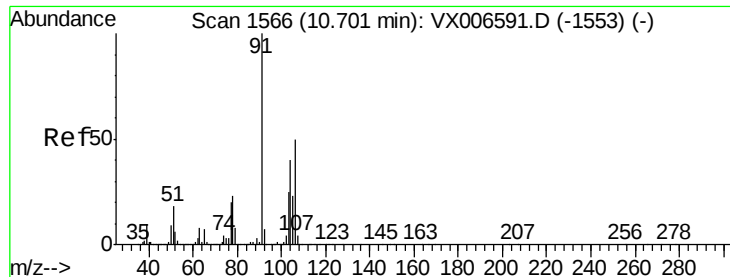
MMDadoda
1/8/2019 9:33:45 AM



#68
m/p-Xylenes
Concen: 98.644 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion: 106 Resp: 922221
Ion Ratio Lower Upper
106 100
91 195.9 155.8 233.6





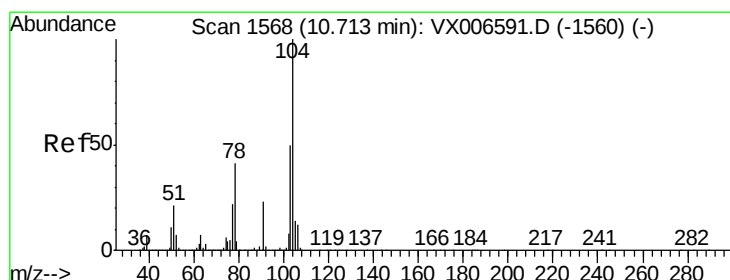
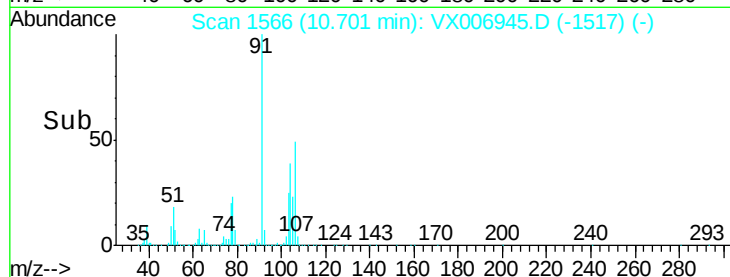
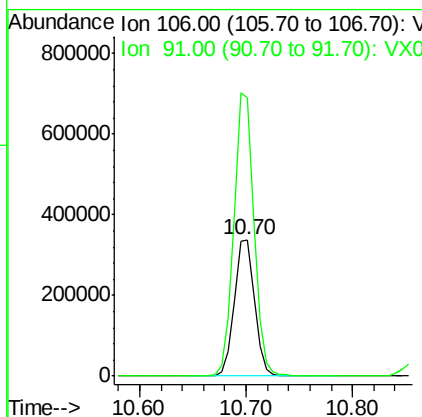
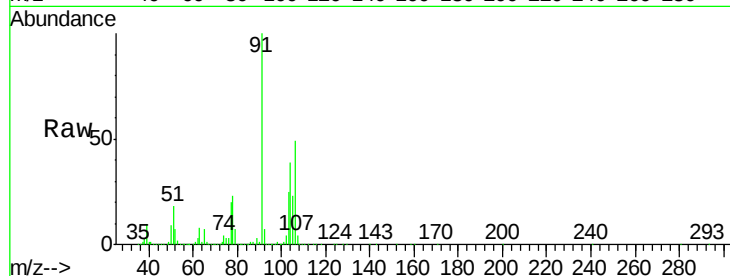
#69
o-Xylene
Concen: 49.527 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.5	101.3	303.7

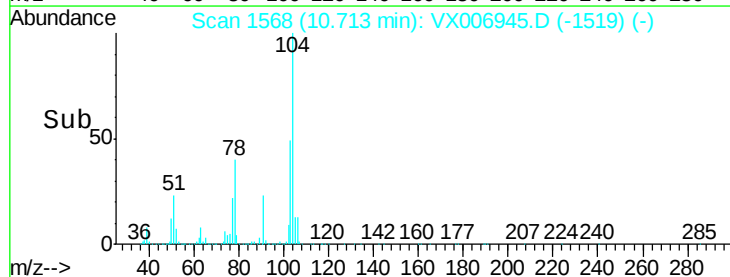
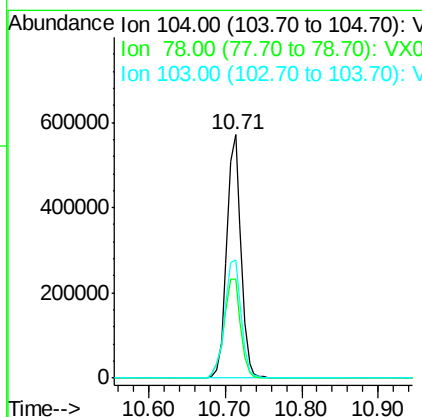
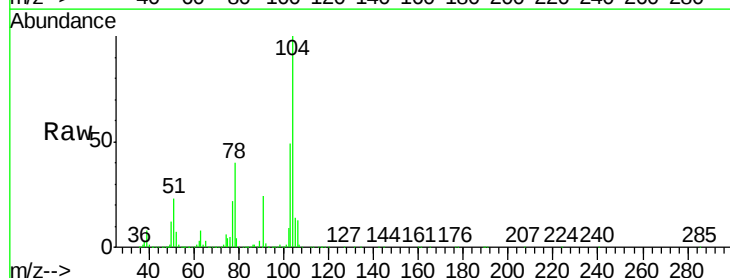
Manual Integrations
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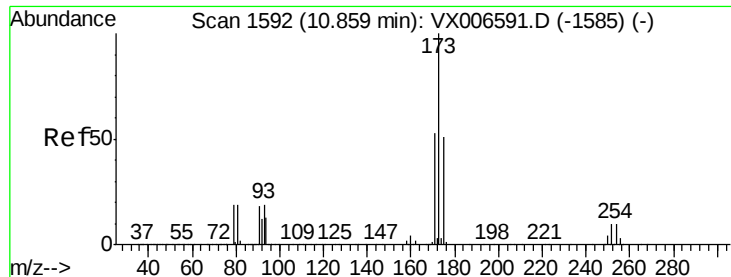
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#70
Styrene
Concen: 50.563 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.7	56.5
103	56.0	43.8	65.8





#71

Bromoform

Concen: 49.095 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

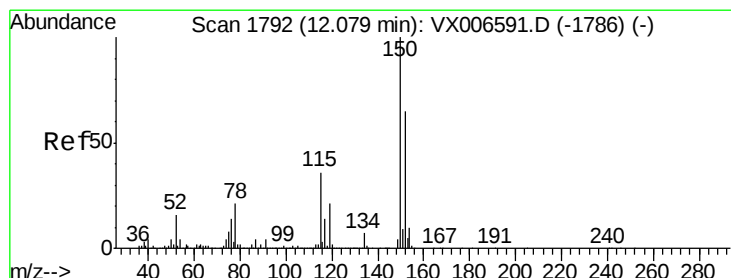
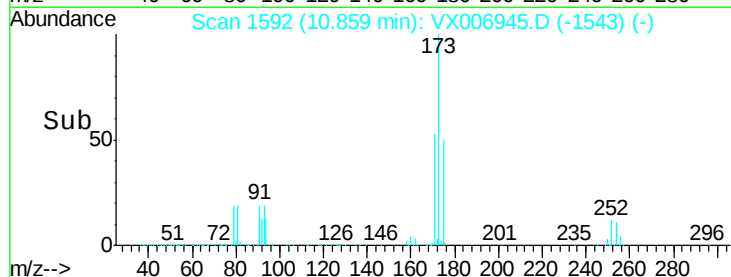
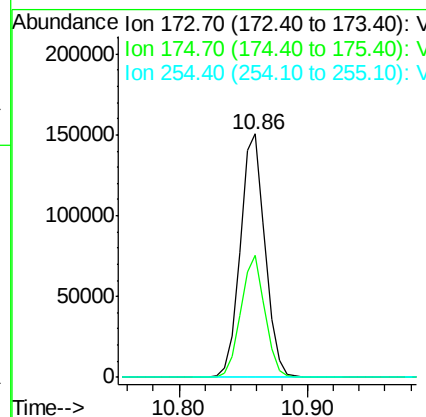
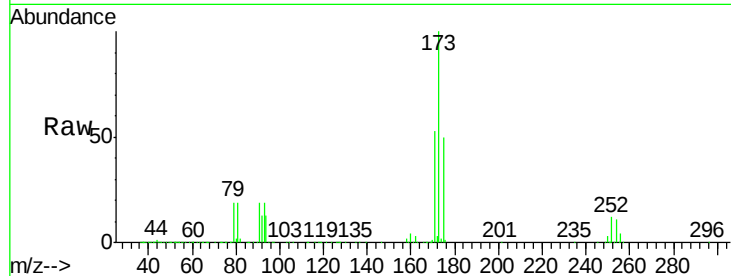
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	199967
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.7	74.1
254	0.2	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

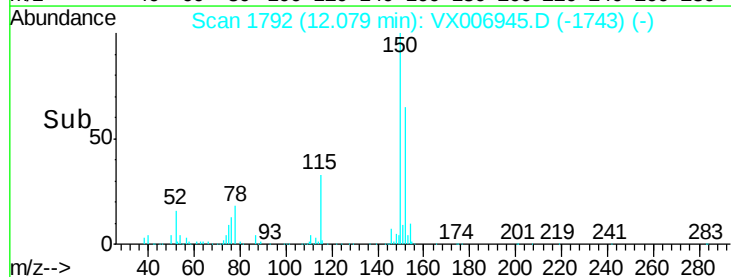
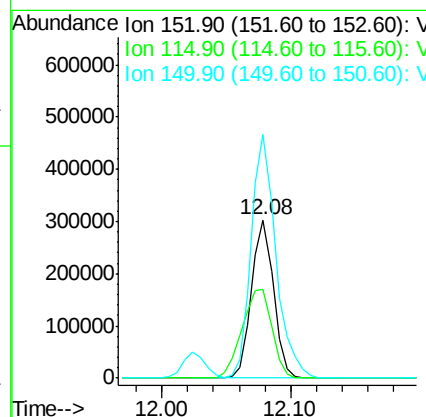
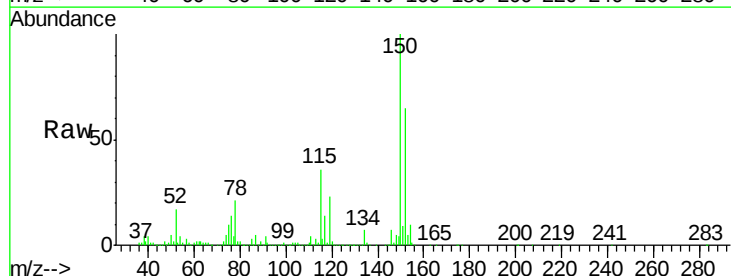
RT: 12.08 min Scan# 1792

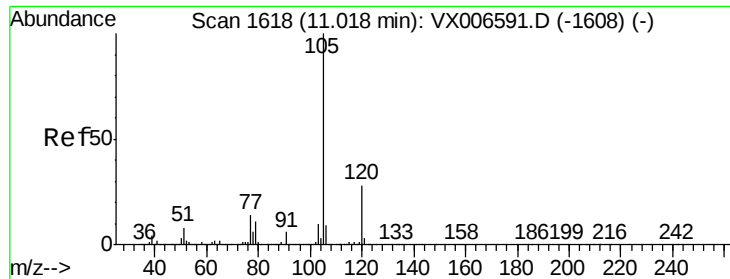
Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion:	152	Resp:	353634
Ion Ratio	Lower	Upper	
152	100		
115	77.0	39.1	117.2
150	173.1	0.0	344.8





#73

Isopropylbenzene

Concen: 49.566 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1199142

Ion Ratio Lower Upper

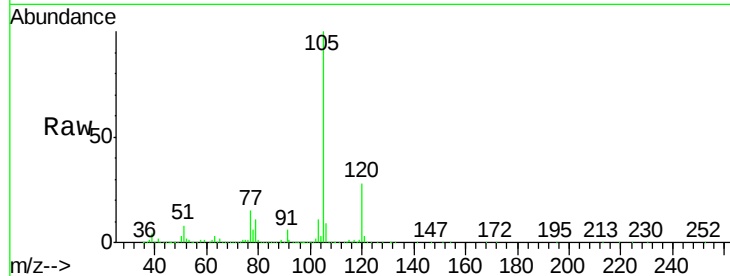
105 100

120 27.8 14.1 42.4

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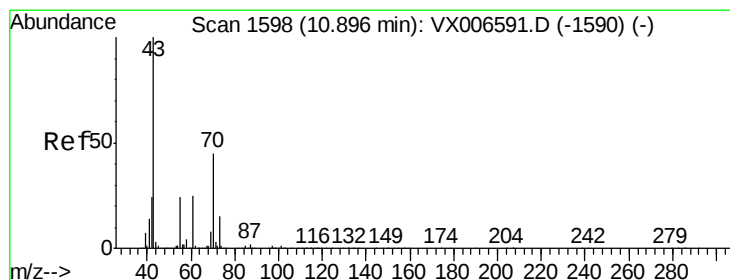
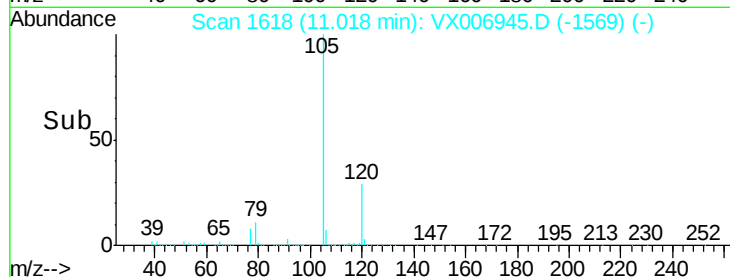
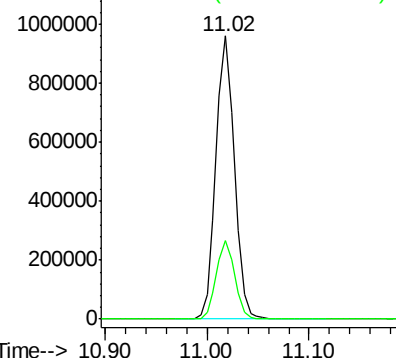
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.511 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion: 43 Resp: 506686

Ion Ratio Lower Upper

43 100

70 42.4 35.8 53.8

55 23.5 19.4 29.0

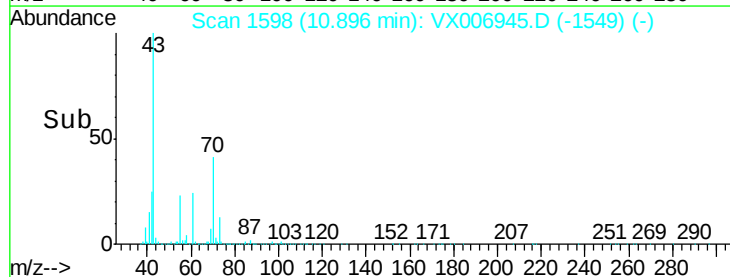
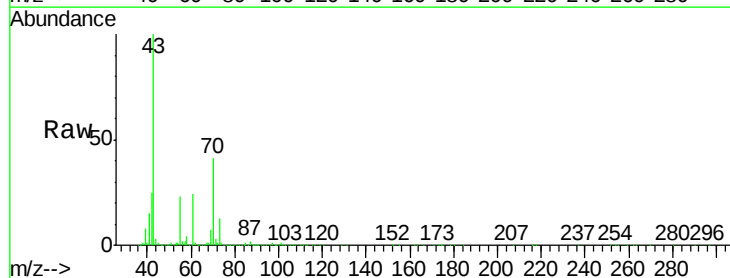
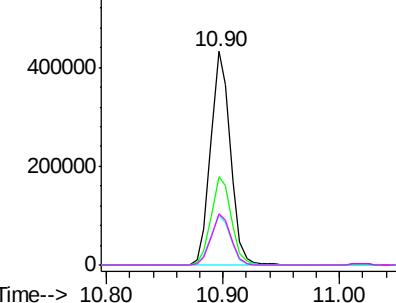
61 24.2 20.1 30.1

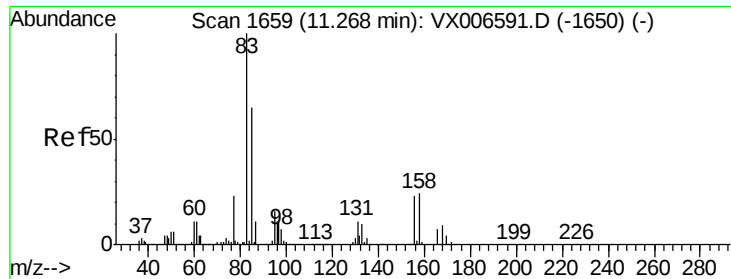
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.565 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 399792

Ion Ratio Lower Upper

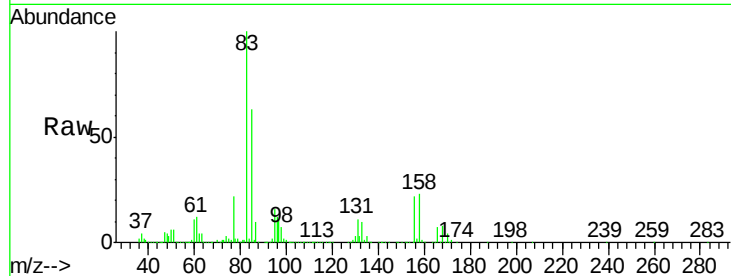
83 100

131 10.8 5.7 17.1

85 64.4 32.2 96.6

Manual Integrations
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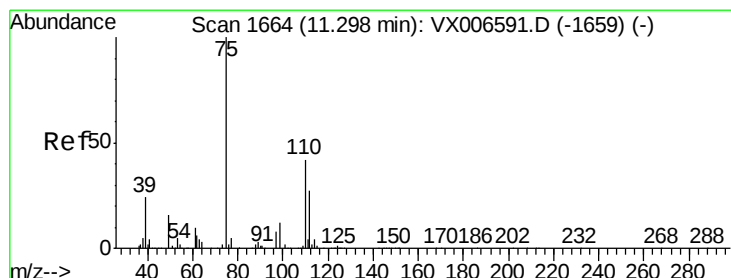
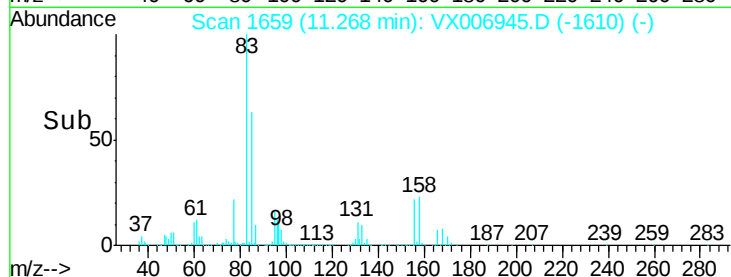
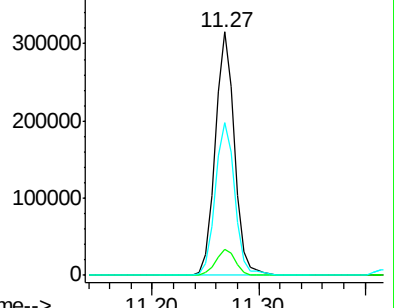
MMDadoda
1/8/2019 9:33:45 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 55.395 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006945.D

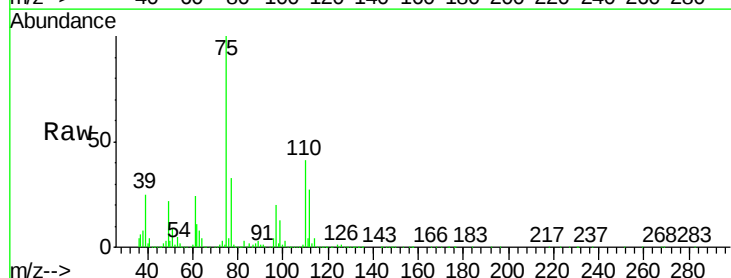
Acq: 07 Jan 2019 19:28

Tgt Ion: 75 Resp: 364054

Ion Ratio Lower Upper

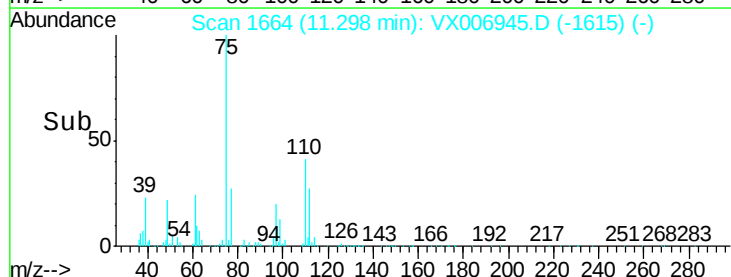
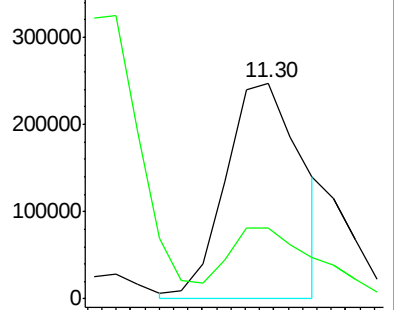
75 100

77 38.7 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.195 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

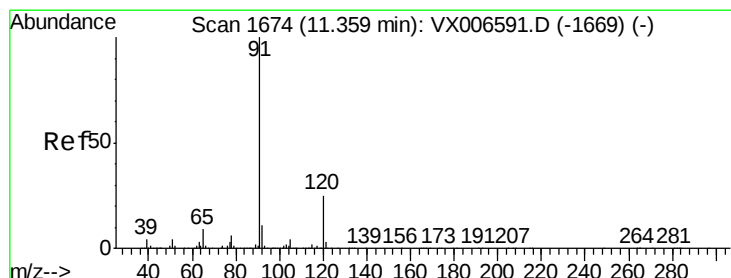
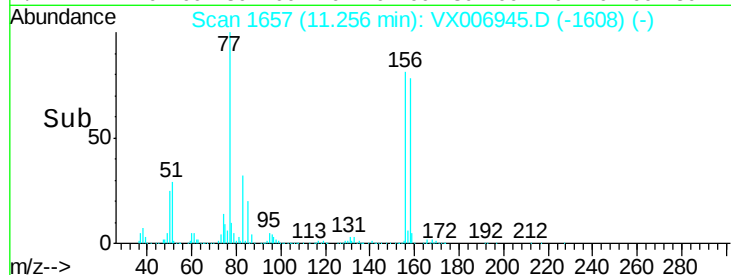
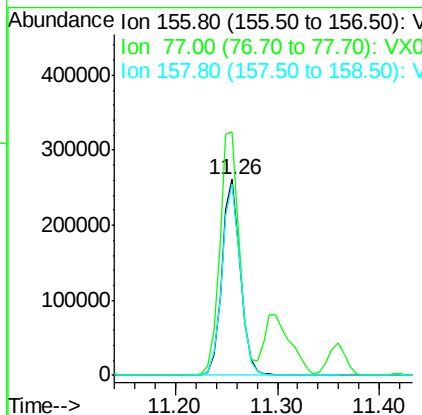
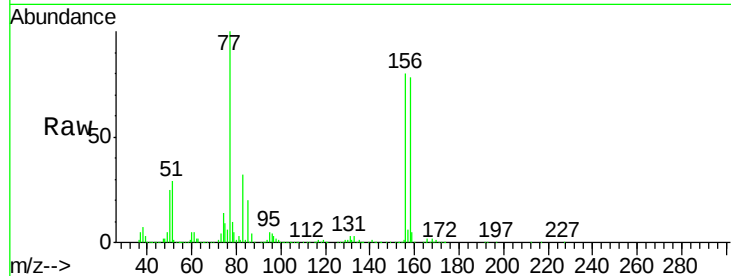
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.0	68.0	204.0
158	98.1	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 49.790 ug/l

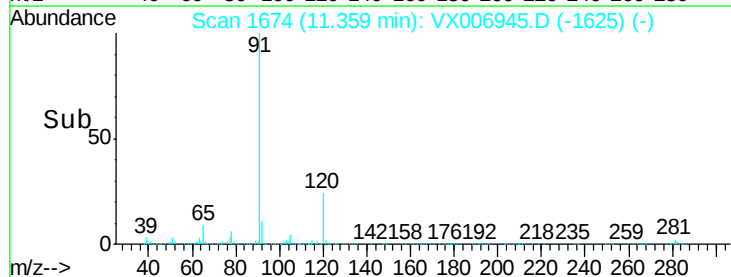
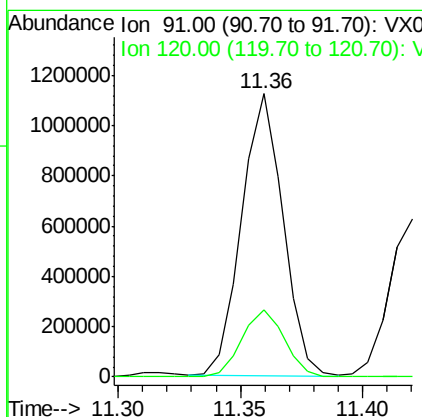
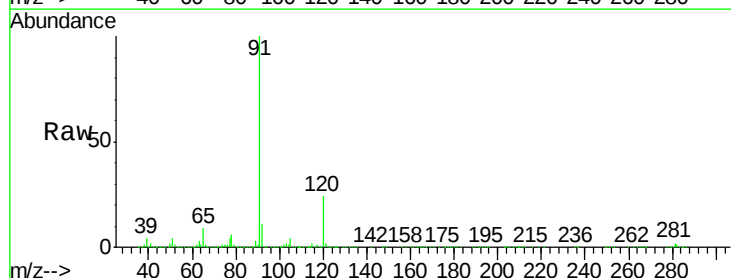
RT: 11.36 min Scan# 1674

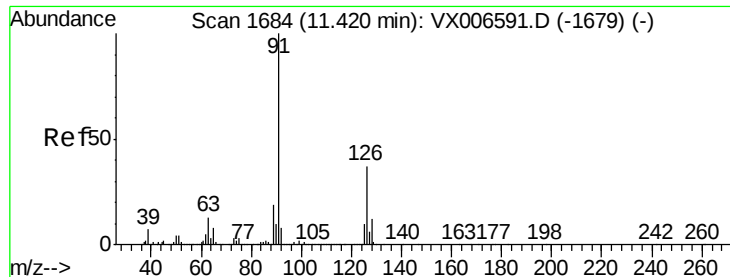
Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.7	38.0





#79

2-Chlorotoluene

Concen: 48.304 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 779857

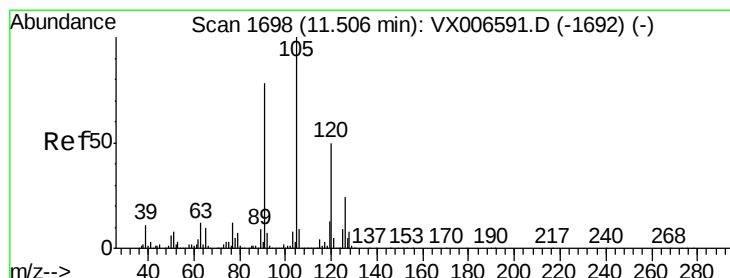
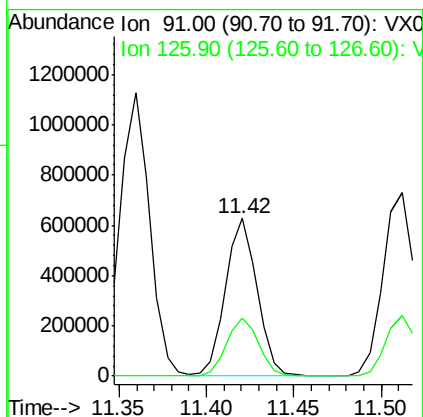
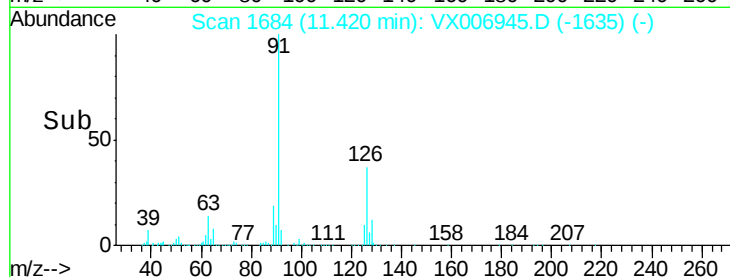
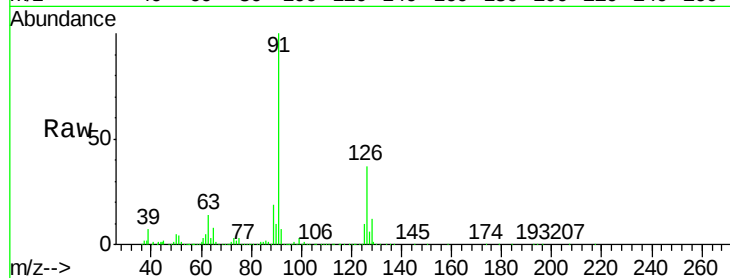
Ion Ratio Lower Upper

91 100

126 38.1 18.6 56.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 49.936 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006945.D

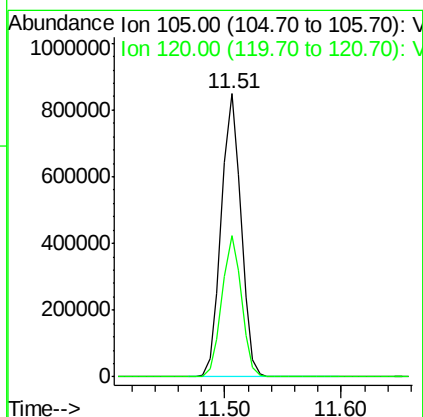
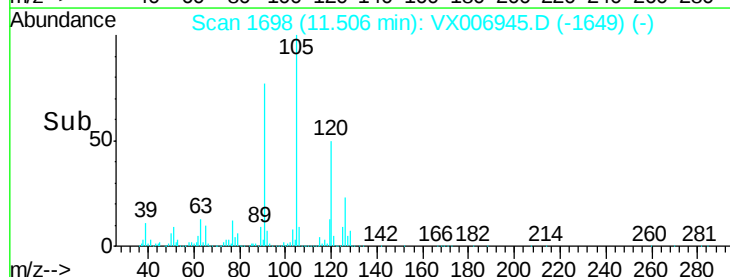
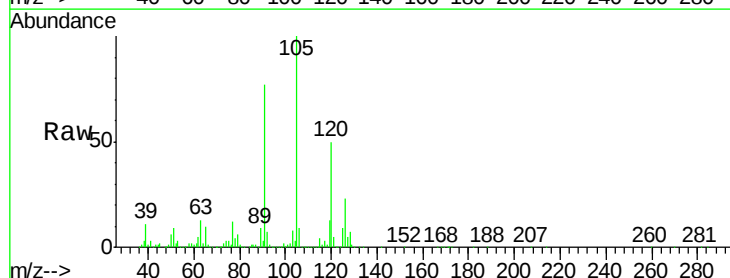
Acq: 07 Jan 2019 19:28

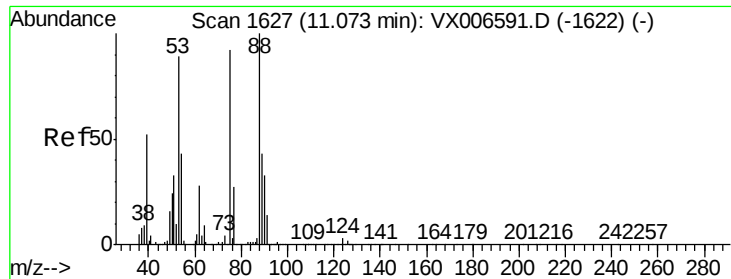
Tgt Ion: 105 Resp: 995068

Ion Ratio Lower Upper

105 100

120 49.5 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.367 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

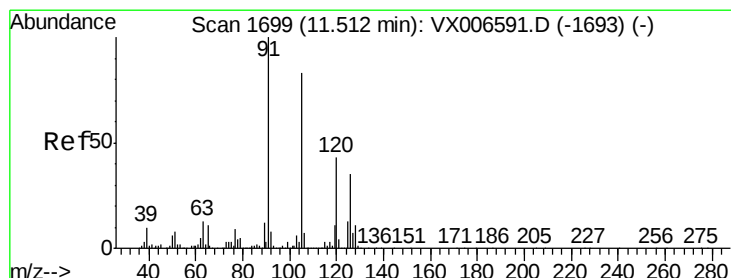
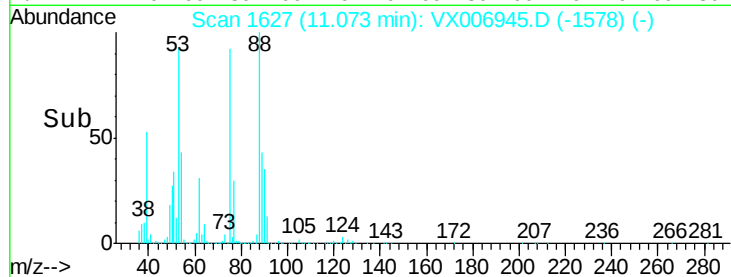
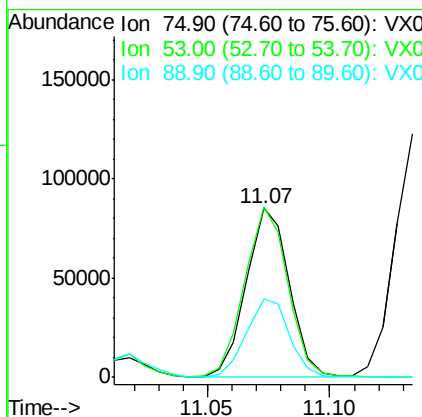
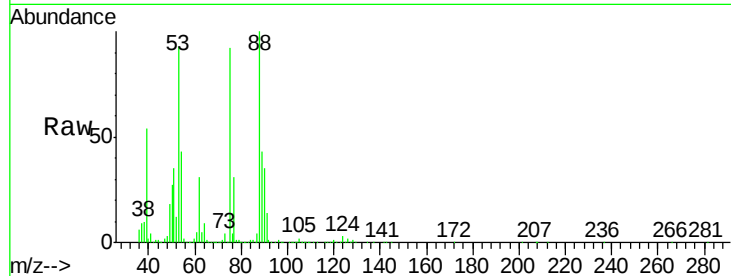
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	104122
Ion	Ratio	Lower	Upper
75	100		
53	101.2	79.7	119.5
89	47.3	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.589 ug/l

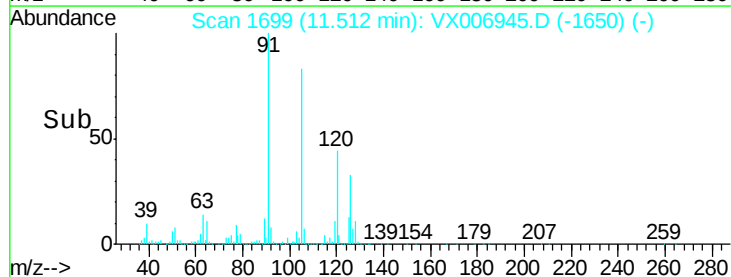
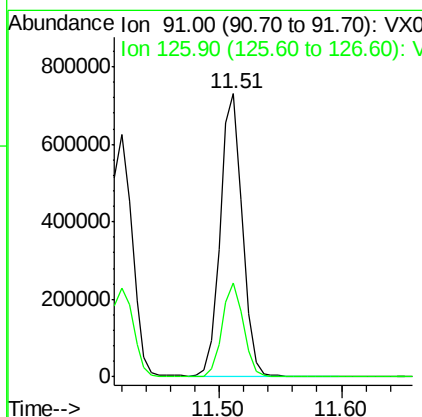
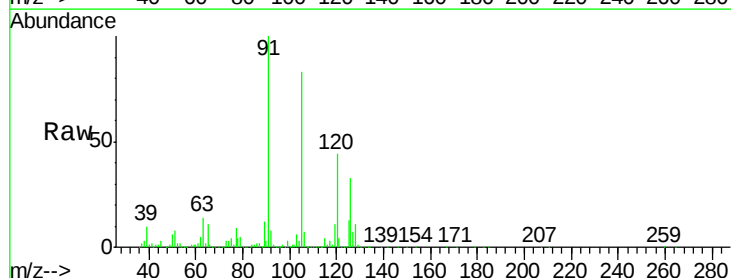
RT: 11.51 min Scan# 1699

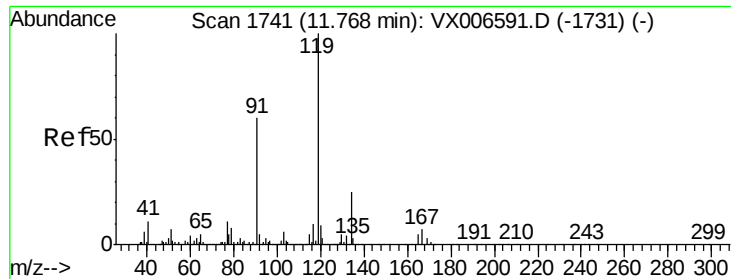
Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion:	91	Resp:	918349
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.3	48.9





#83

tert-Butylbenzene

Concen: 52.076 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:119 Resp: 1038581

Ion Ratio Lower Upper

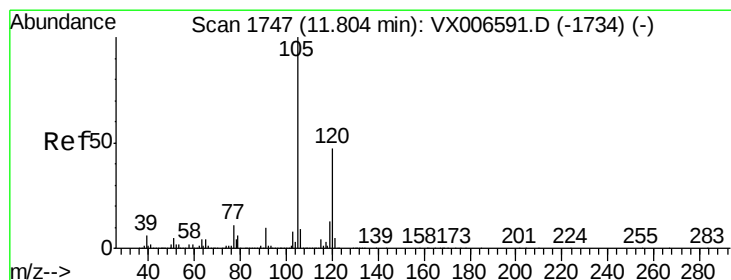
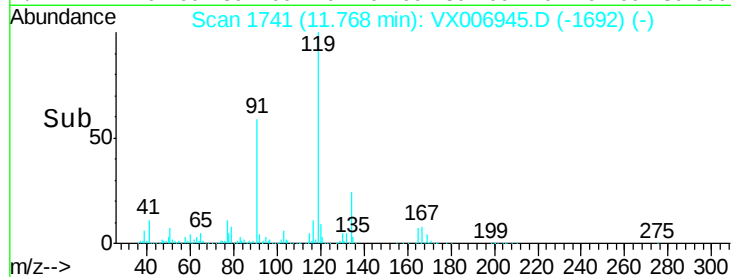
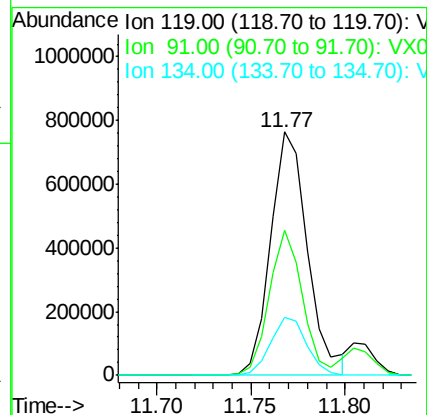
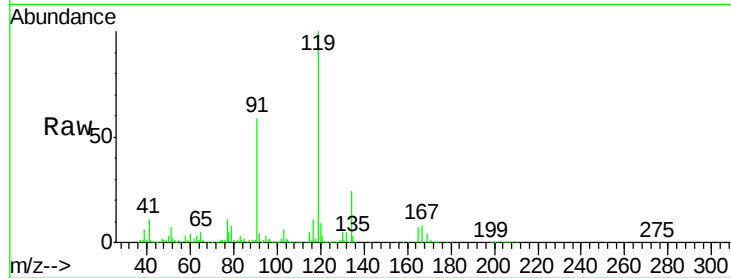
119 100

91 53.5 27.7 83.1

134 23.2 11.9 35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.340 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006945.D

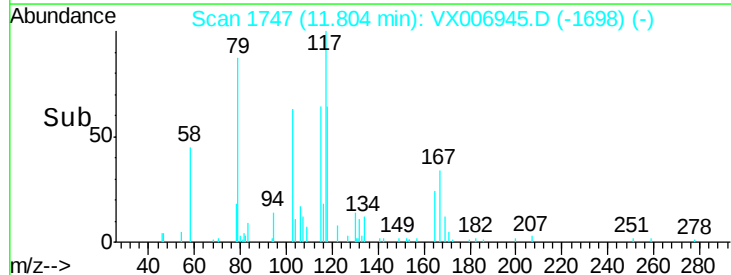
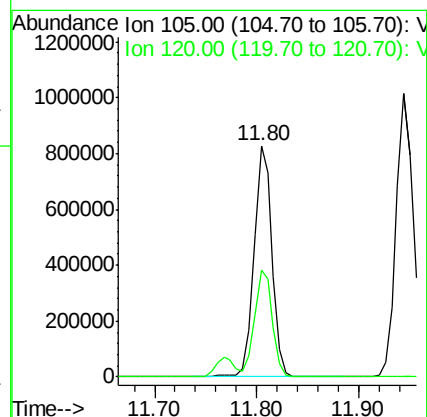
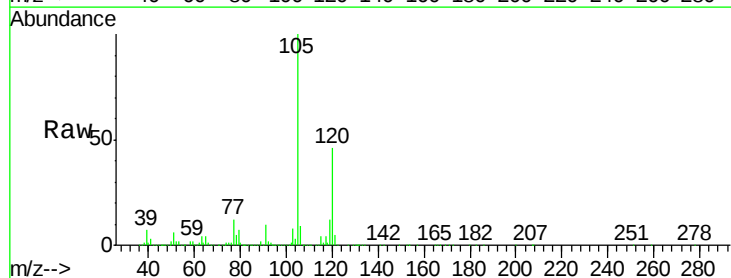
Acq: 07 Jan 2019 19:28

Tgt Ion:105 Resp: 1013186

Ion Ratio Lower Upper

105 100

120 45.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 48.964 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1197277

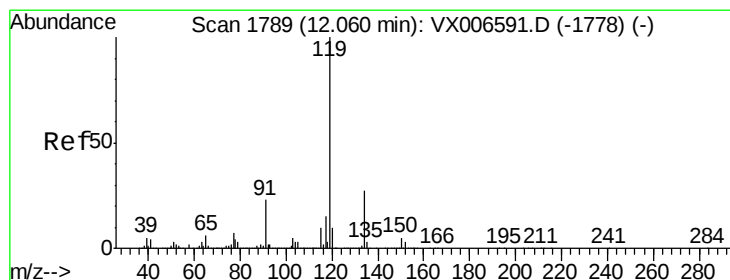
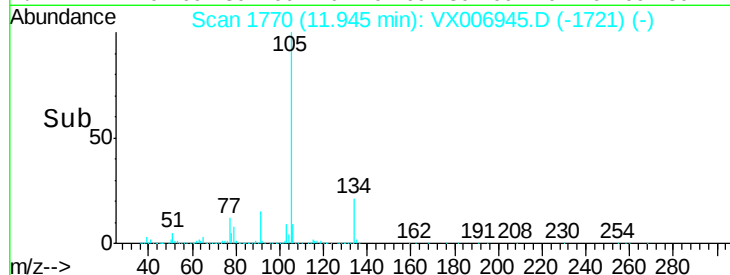
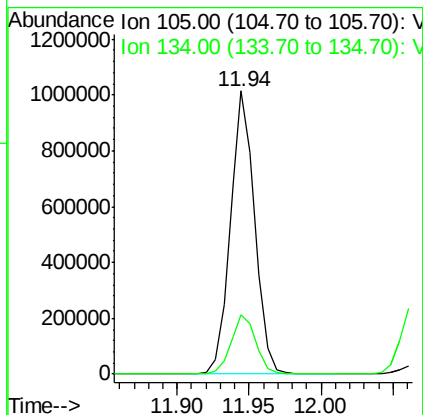
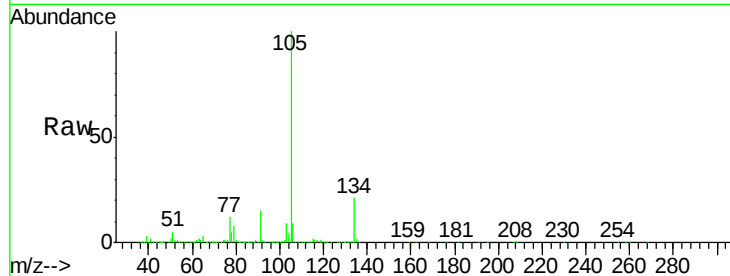
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 50.164 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

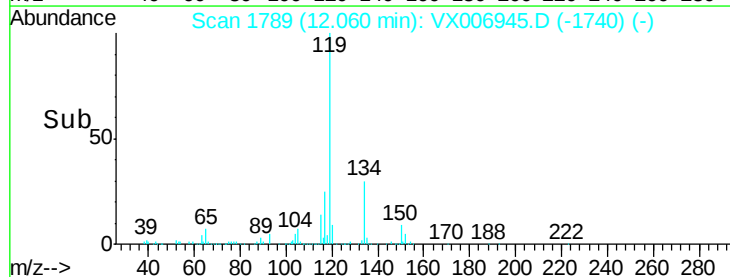
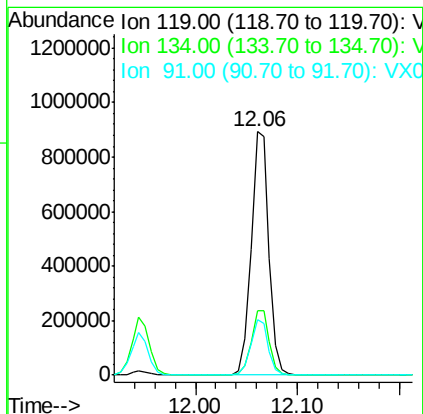
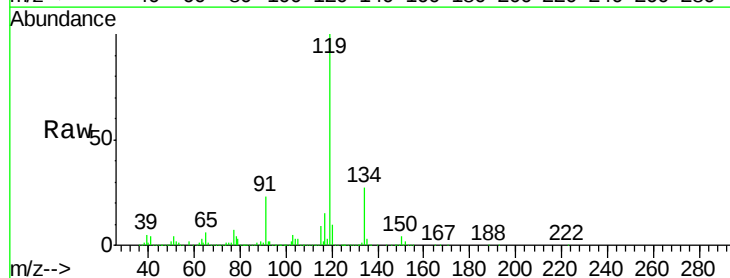
Tgt Ion:119 Resp: 1078228

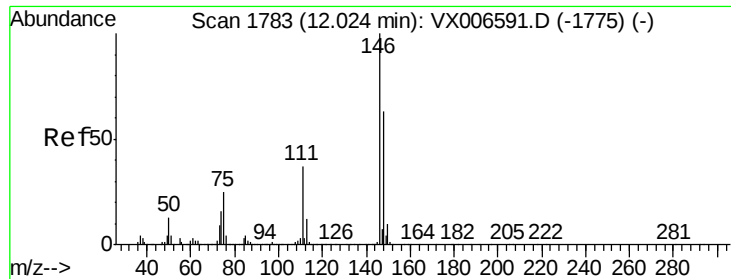
Ion Ratio Lower Upper

119 100

134 27.1 14.0 41.9

91 22.4 11.3 33.9





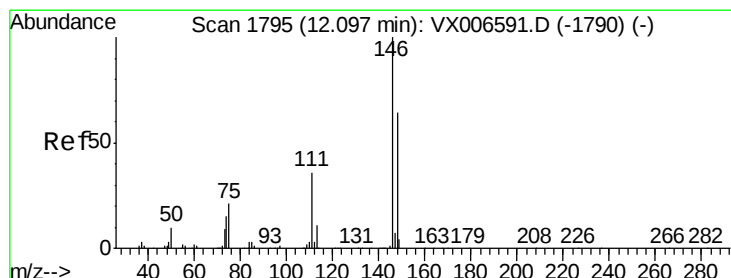
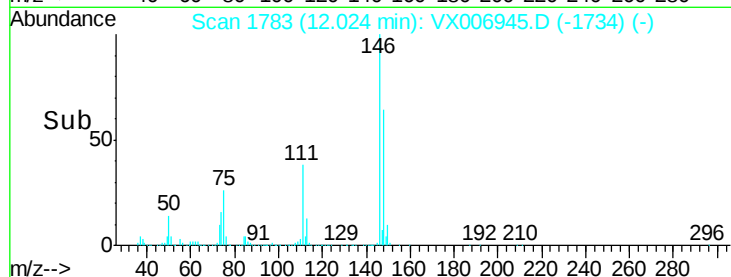
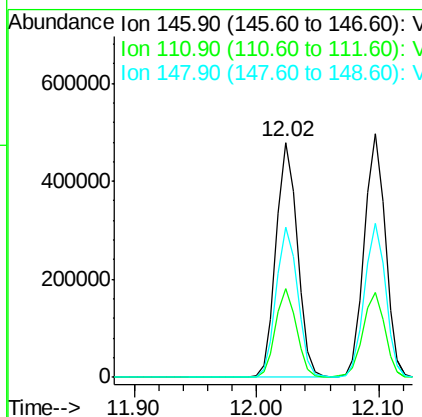
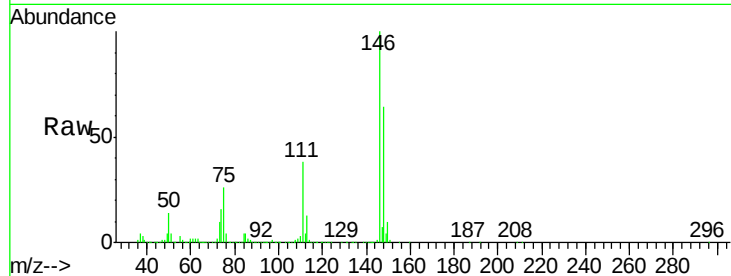
#87
 1,3-Dichlorobenzene
 Concen: 49.076 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006945.D
 Acq: 07 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.5	31.8	95.3

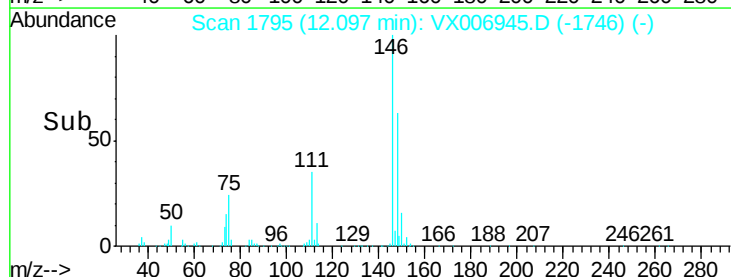
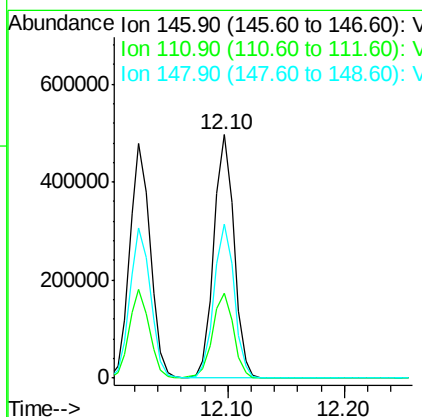
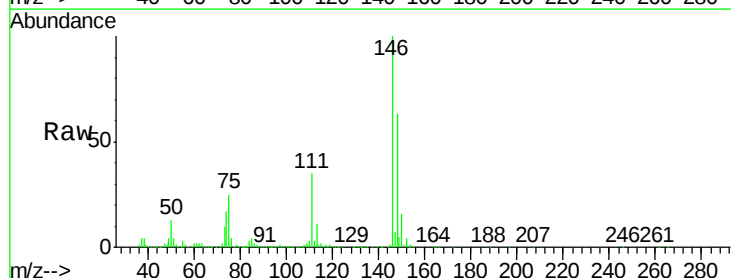
Manual Integrations
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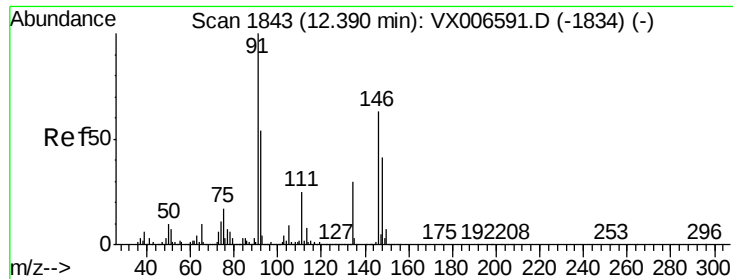
MMDadoda
 1/8/2019 9:33:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.732 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006945.D
 Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.7	31.9	95.9





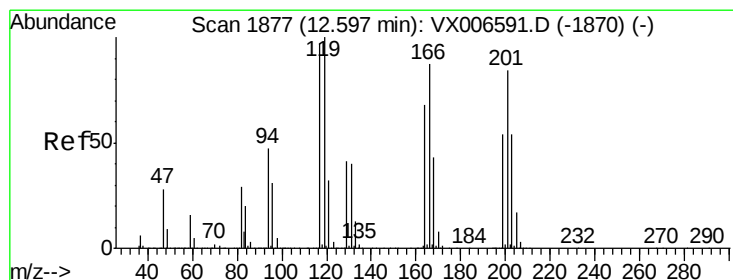
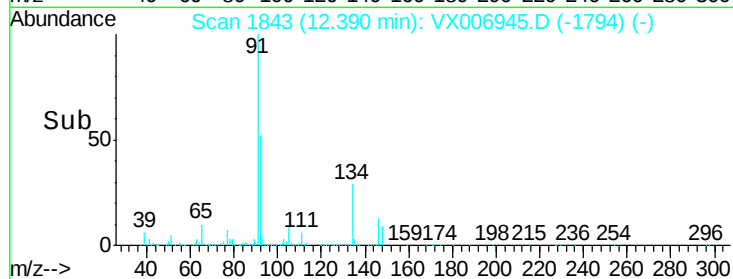
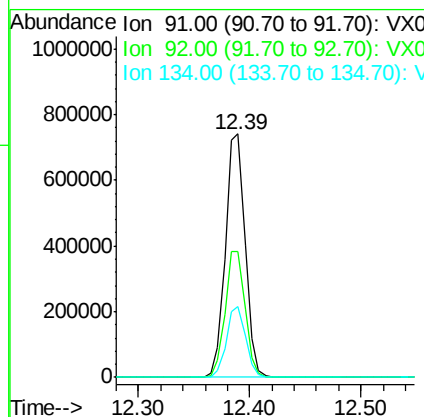
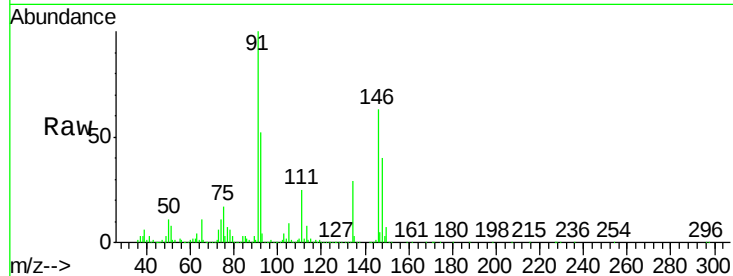
#89
n-Butylbenzene
Concen: 49.634 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	26.8	80.4	
134	28.1	14.4	43.2	

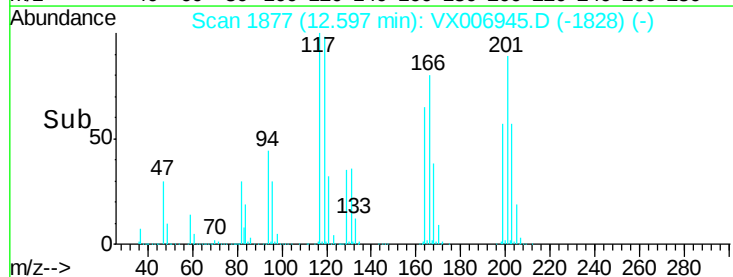
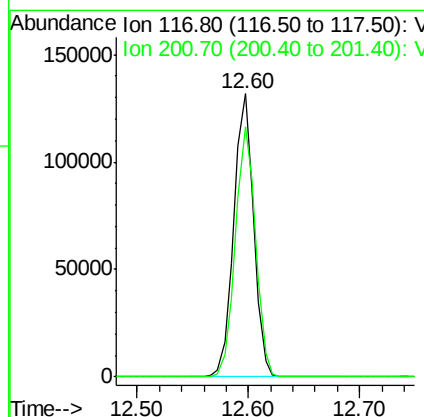
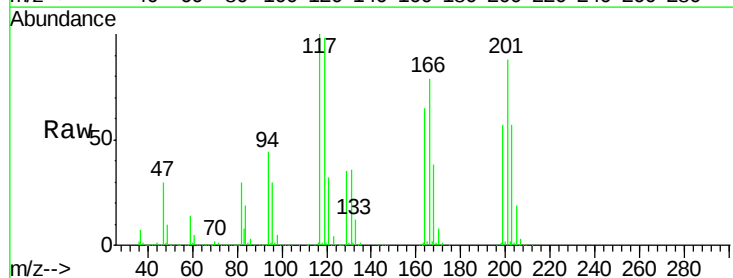
Manual Integrations
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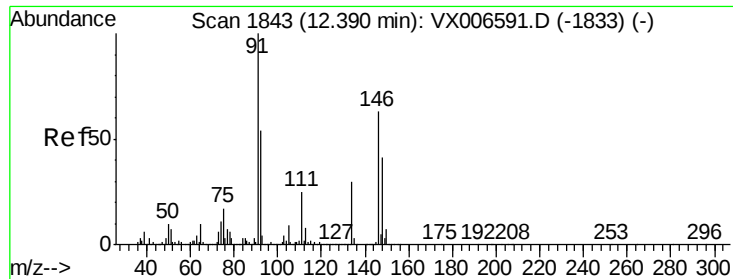
MMDadoda
1/8/2019 9:33:45 AM



#90
Hexachloroethane
Concen: 48.418 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.8	42.9	128.7	





#91

1,2-Dichlorobenzene

Concen: 49.417 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Instrument :

MSVOA_X

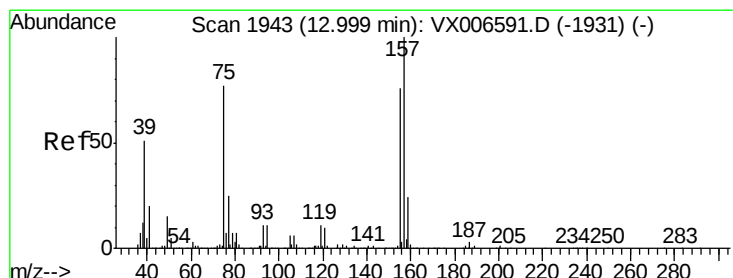
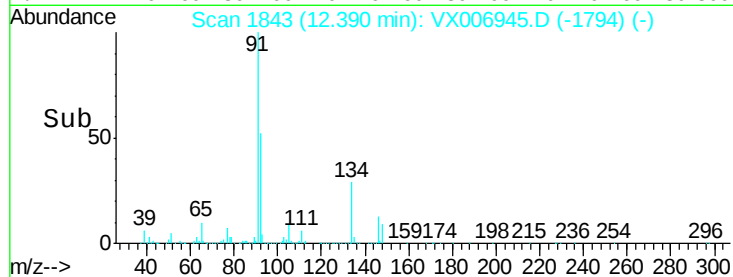
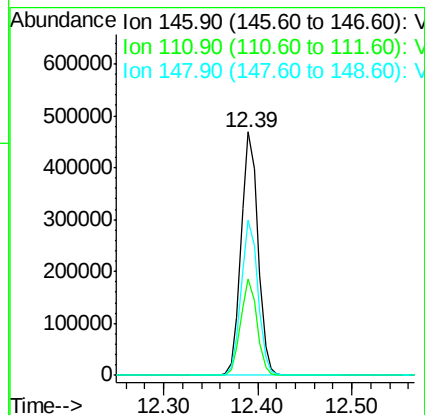
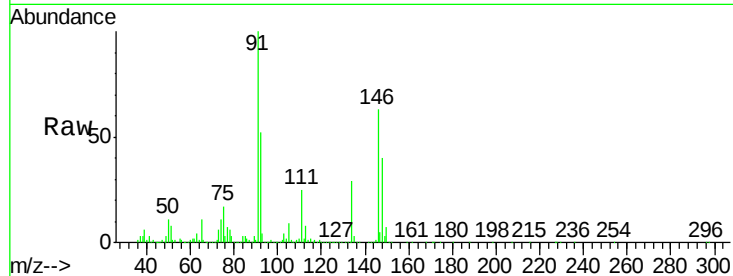
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	582721
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.4	58.2
148	63.7	32.3	96.9

Manual Integrations
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MMDadoda
1/8/2019 9:33:45 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.087 ug/l

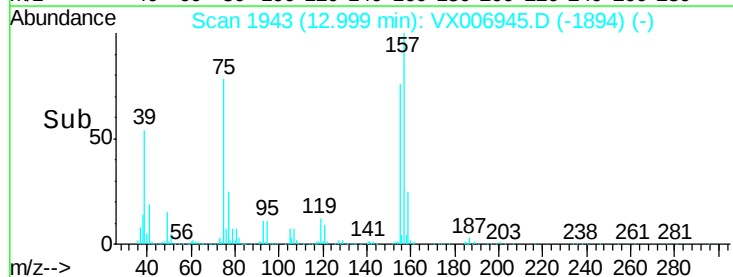
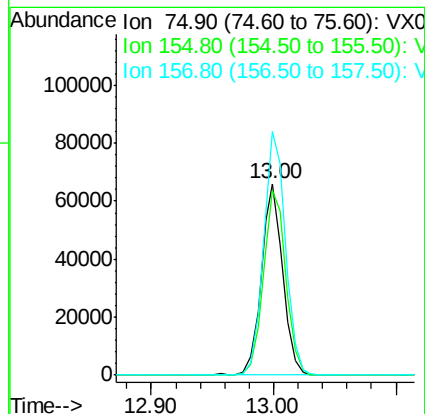
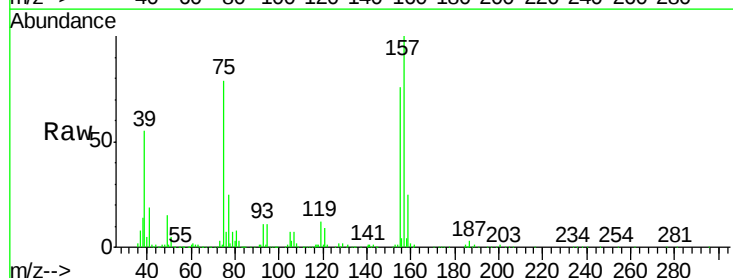
RT: 13.00 min Scan# 1943

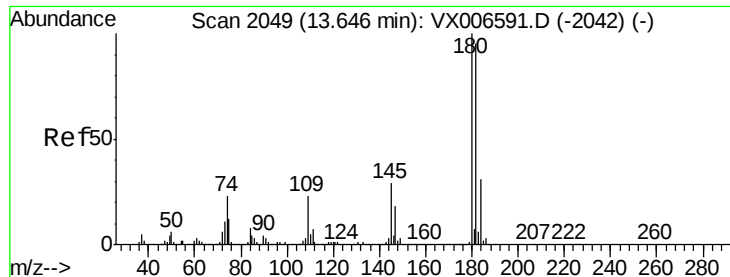
Delta R.T. 0.00 min

Lab File: VX006945.D

Acq: 07 Jan 2019 19:28

Tgt Ion:	75	Resp:	80521
Ion Ratio	Lower	Upper	
75	100		
155	101.2	50.6	151.8
157	130.3	64.6	193.8





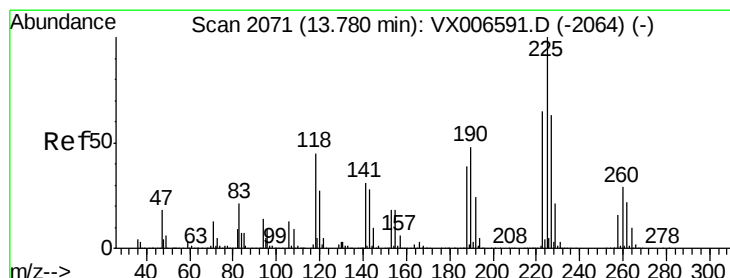
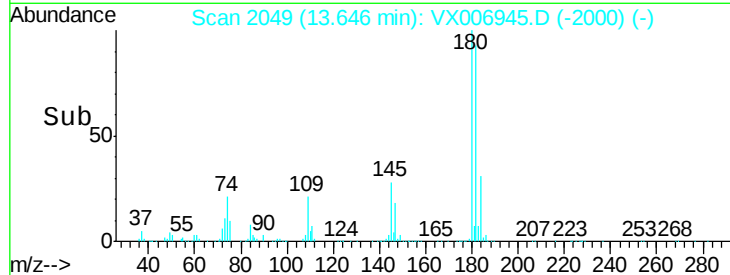
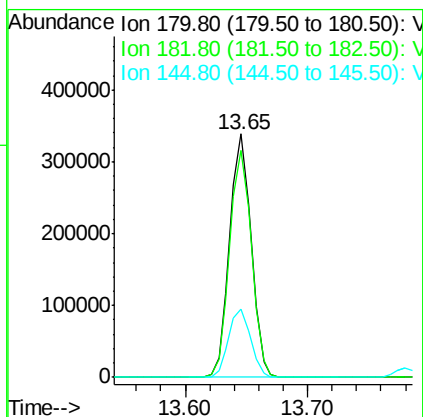
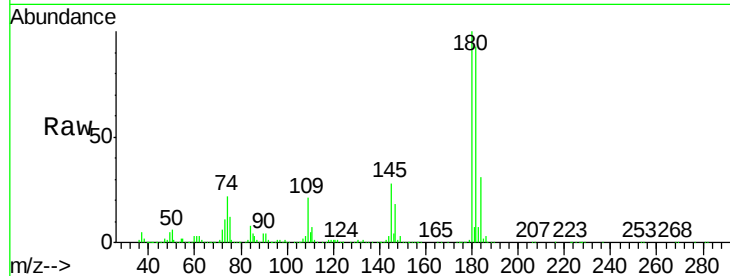
#93
 1,2,4-Trichlorobenzene
 Concen: 50.475 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006945.D
 Acq: 07 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	410565		
182	94.8	47.3	142.0	
145	28.9	14.8	44.3	

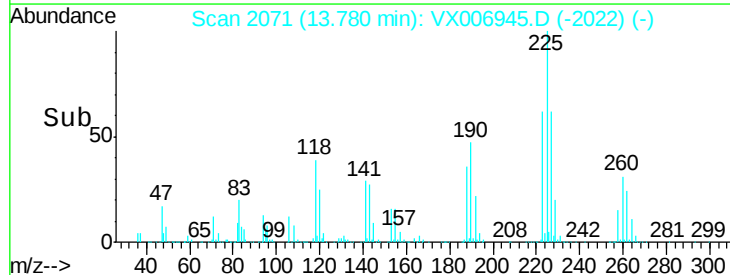
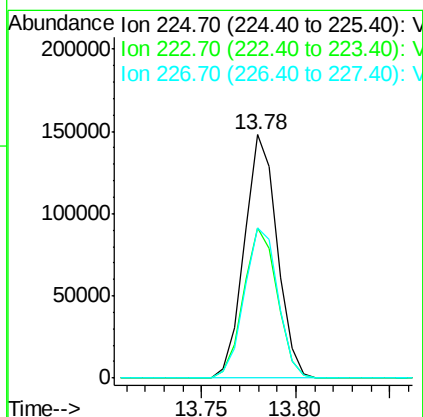
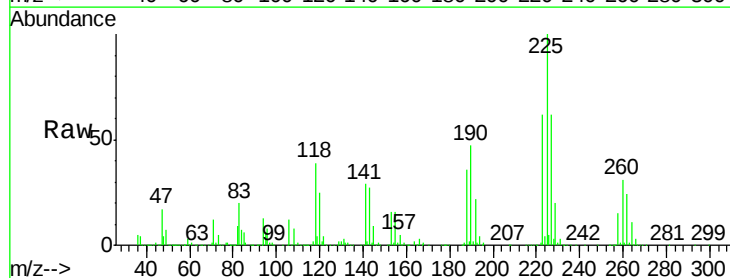
Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:33:45 AM



#94
 Hexachlorobutadiene
 Concen: 46.468 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006945.D
 Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	178154		
223	63.0	32.1	96.3	
227	63.4	32.3	96.8	





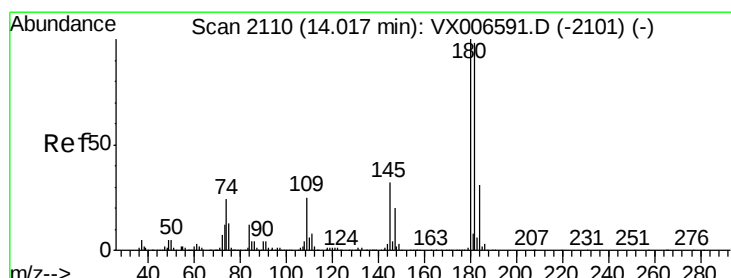
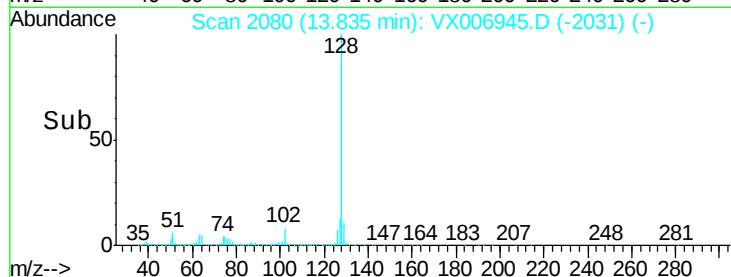
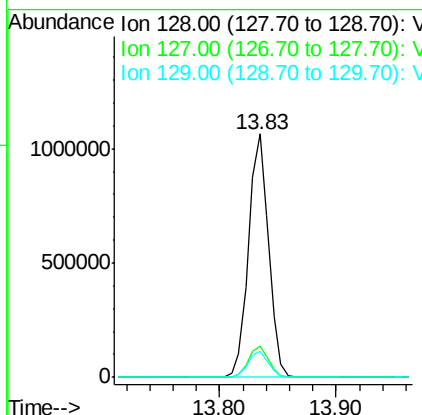
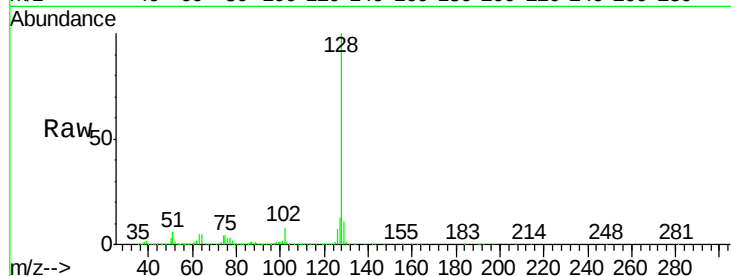
#95
Naphthalene
Concen: 49.282 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:33:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.462 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX006945.D
Acq: 07 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.5	145.5
145	30.7	16.0	47.9

