

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021619\
 Data File : VX007561.D
 Acq On : 15 Feb 2019 11:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 10:39:28 AM

Quant Time: Feb 16 04:03:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	485263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	694126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	625597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	329635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	250748	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	5.50	113	232015	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	8.71	98	843947	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.13	95	301662	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	252427	42.359	ug/l	99
3) Chloromethane	1.33	50	214379	39.222	ug/l	98
4) Vinyl Chloride	1.41	62	237673	44.324	ug/l	100
5) Bromomethane	1.64	94	222328	41.853	ug/l	99
6) Chloroethane	1.72	64	151484	43.671	ug/l	100
7) Trichlorofluoromethane	1.93	101	378625	45.138	ug/l	97
8) Diethyl Ether	2.19	74	140917	44.634	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	227285	45.552	ug/l	99
10) Methyl Iodide	2.51	142	260682	35.516	ug/l	100
11) Tert butyl alcohol	3.07	59	255834	240.009	ug/l	99
12) 1,1-Dichloroethene	2.37	96	200265	43.223	ug/l	98
13) Acrolein	2.30	56	116552	233.176	ug/l	100
14) Allyl chloride	2.73	41	350404	46.415	ug/l	99
15) Acrylonitrile	3.15	53	621870	235.833	ug/l	99
16) Acetone	2.45	43	611256	259.074	ug/l	99
17) Carbon Disulfide	2.57	76	488654	40.742	ug/l	99
18) Methyl Acetate	2.78	43	338249	54.963	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	686388	45.727	ug/l	97
20) Methylene Chloride	2.86	84	217908	45.178	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	209779	42.503	ug/l	99
22) Diisopropyl ether	3.87	45	686392	49.429	ug/l	98
23) Vinyl Acetate	3.82	43	2935672	254.758	ug/l	100
24) 1,1-Dichloroethane	3.70	63	385837	48.383	ug/l	99
25) 2-Butanone	4.70	43	852468	253.885	ug/l	99
26) 2,2-Dichloropropane	4.58	77	297842	49.042	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	242515	44.986	ug/l	99
28) Bromochloromethane	5.02	49	176076	48.012	ug/l	99
29) Tetrahydrofuran	5.15	42	529062	250.531	ug/l	99
30) Chloroform	5.21	83	389190	46.769	ug/l	100
31) Cyclohexane	5.57	56	320935	44.808	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	336002	47.835	ug/l	99
36) 1,1-Dichloropropene	5.79	75	282910	45.426	ug/l	99
37) Ethyl Acetate	4.85	43	305673	48.553	ug/l	99
38) Carbon Tetrachloride	5.78	117	298254	49.363	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	357295	47.417	ug/l	96
40) Benzene	6.14	78	858380	46.789	ug/l	98
41) Methacrylonitrile	5.06	41	167833	49.740	ug/l	98
42) 1,2-Dichloroethane	6.20	62	290800	45.813	ug/l	98
43) Isopropyl Acetate	6.46	43	489371	50.360	ug/l	100
44) Trichloroethene	7.21	130	253231	45.831	ug/l	98
45) 1,2-Dichloropropane	7.51	63	221104	48.102	ug/l	97
46) Dibromomethane	7.66	93	153952	46.082	ug/l	99
47) Bromodichloromethane	7.90	83	286009	50.515	ug/l	99
48) Methyl methacrylate	7.77	41	253083	52.068	ug/l	99
49) 1,4-Dioxane	7.75	88	110661	1001.083	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1600885	250.252	ug/l	100
52) Toluene	8.78	92	552877	46.710	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	316107	51.976	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	346253	51.772	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	231470	46.914	ug/l	98
56) Ethyl methacrylate	9.18	69	342682	50.147	ug/l	99
57) 1,3-Dichloropropane	9.37	76	374808	47.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	917476	254.723	ug/l	100
59) 2-Hexanone	9.49	43	1233041	247.698	ug/l	99
60) Dibromochloromethane	9.58	129	252223	54.051	ug/l	99
61) 1,2-Dibromoethane	9.67	107	250684	47.977	ug/l	100
64) Tetrachloroethene	9.34	164	262212	44.470	ug/l	100
65) Chlorobenzene	10.13	112	638347	46.760	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	239253	52.273	ug/l	99
67) Ethyl Benzene	10.25	91	1063644	48.382	ug/l	99
68) m/p-Xylenes	10.36	106	824207	94.313	ug/l	98
69) o-Xylene	10.69	106	405328	48.201	ug/l	100
70) Styrene	10.71	104	656370	48.129	ug/l	100
71) Bromoform	10.86	173	186617	46.770	ug/l #	98
73) Isopropylbenzene	11.02	105	1098391	49.034	ug/l	99
74) N-amyl acetate	10.90	43	429193	49.536	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	335148	49.093	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	328270m	51.198	ug/l	
77) Bromobenzene	11.26	156	290626	46.047	ug/l	99
78) n-propylbenzene	11.36	91	1233649	50.223	ug/l	100
79) 2-Chlorotoluene	11.42	91	710213	47.651	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	898431	49.024	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	101309	48.936	ug/l	96
82) 4-Chlorotoluene	11.51	91	836602	48.509	ug/l	99
83) tert-Butylbenzene	11.77	119	897489	49.464	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	915994	49.232	ug/l	99
85) sec-Butylbenzene	11.94	105	1114168	50.736	ug/l	100
86) p-Isopropyltoluene	12.06	119	997697	50.329	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	524404	46.297	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	530175	46.136	ug/l	98
89) n-Butylbenzene	12.38	91	867125	50.849	ug/l	100
90) Hexachloroethane	12.60	117	164374	55.404	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	520310	46.158	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	74520	52.498	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	369991	48.670	ug/l	100
94) Hexachlorobutadiene	13.78	225	179454	48.615	ug/l	100
95) Naphthalene	13.83	128	1123136	50.522	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	371290	48.521	ug/l	99

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

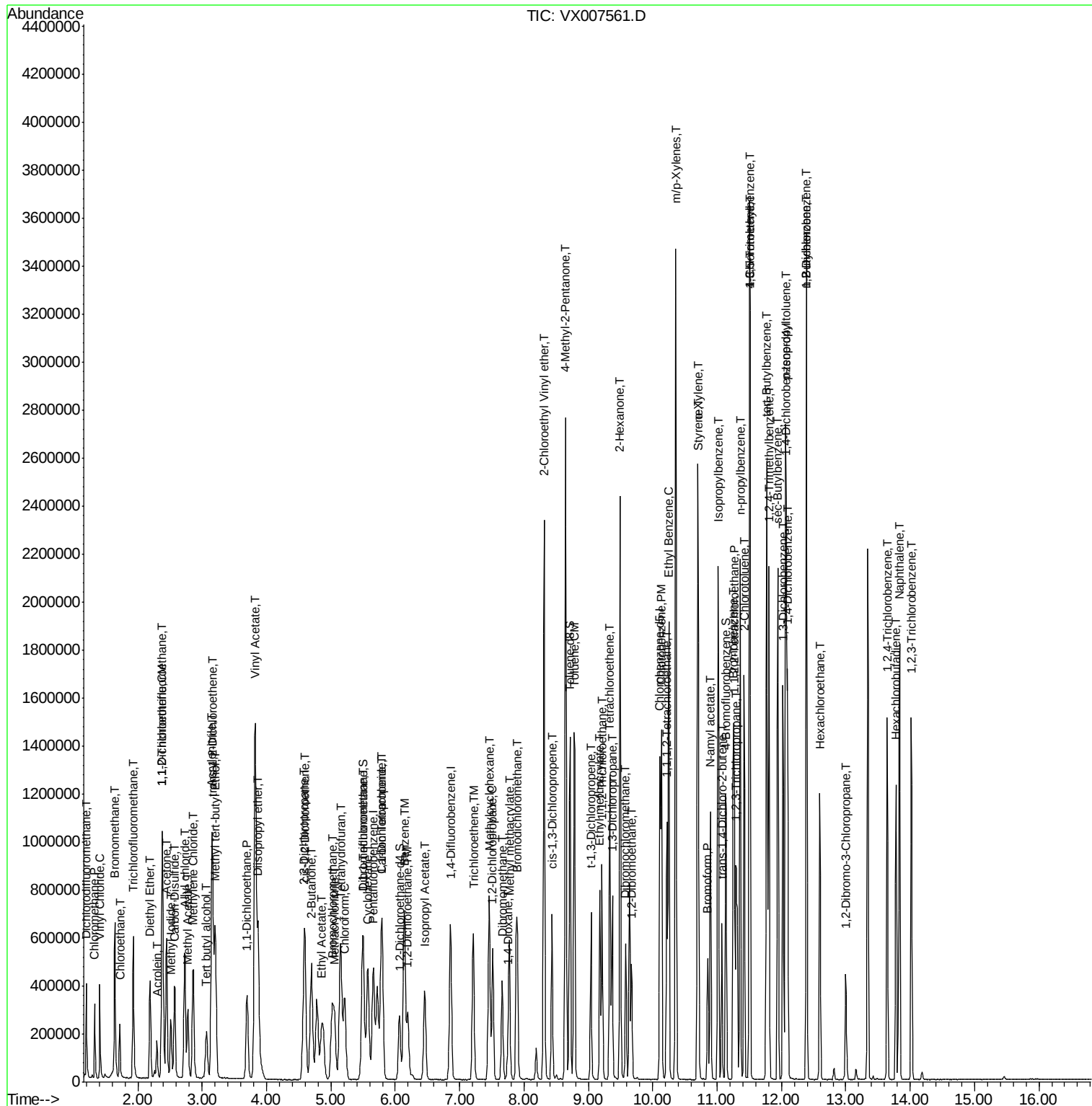
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021619\
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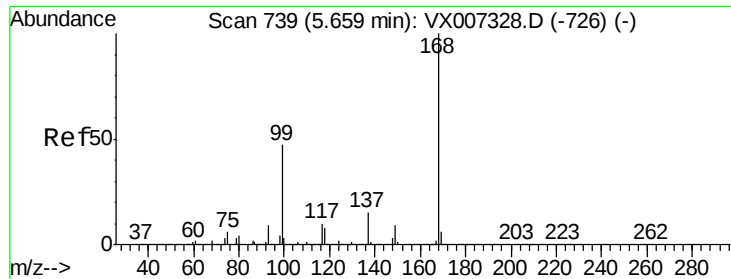
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

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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: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 485263

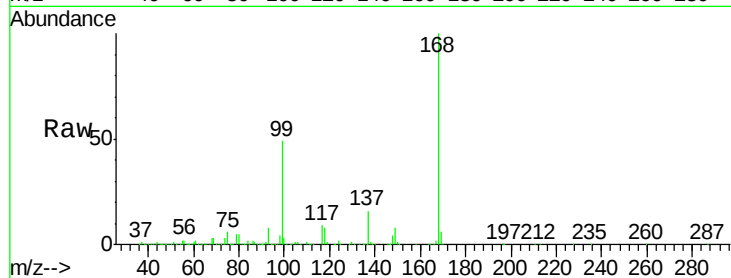
Ion Ratio Lower Upper

168 100

99 49.0 37.9 56.9

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2/18/2019 10:39:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

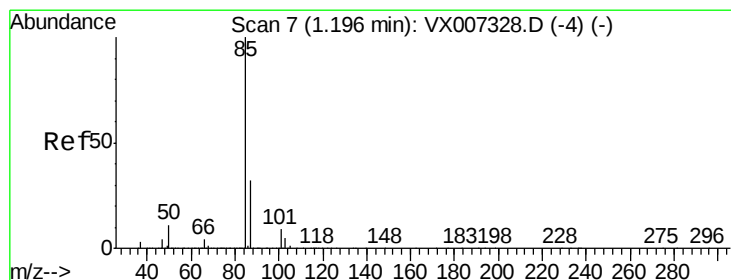
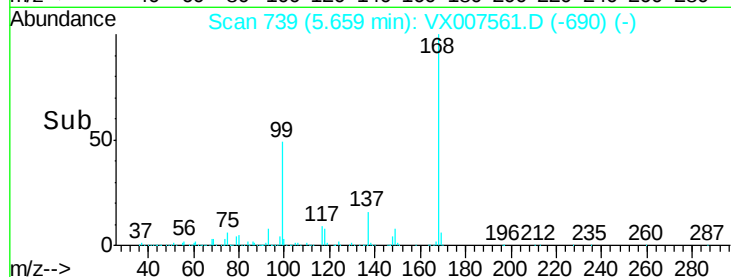
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.359 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007561.D

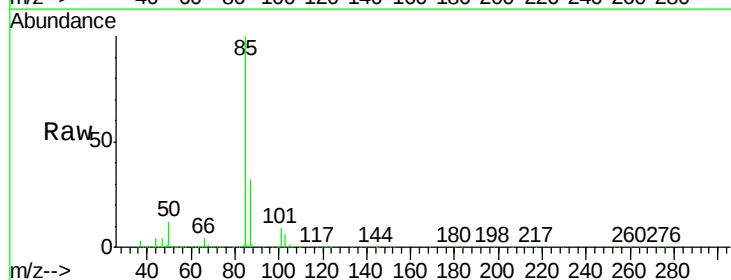
Acq: 15 Feb 2019 11:56

Tgt Ion: 85 Resp: 252427

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

150000

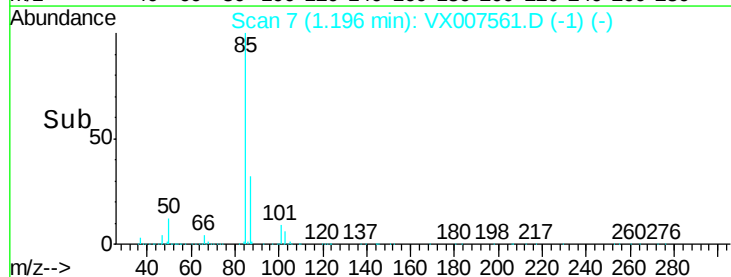
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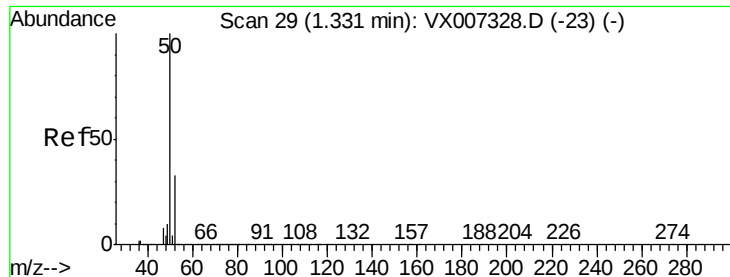
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 39.222 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 214379

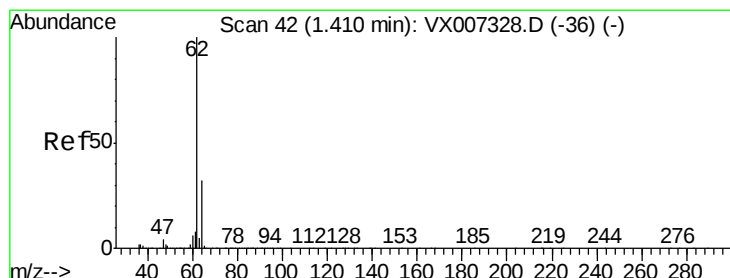
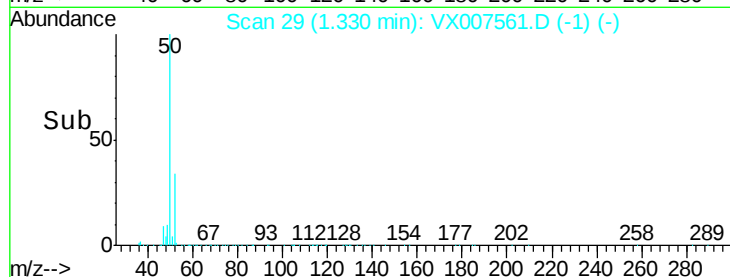
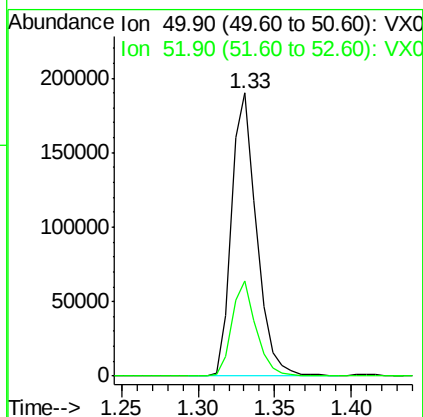
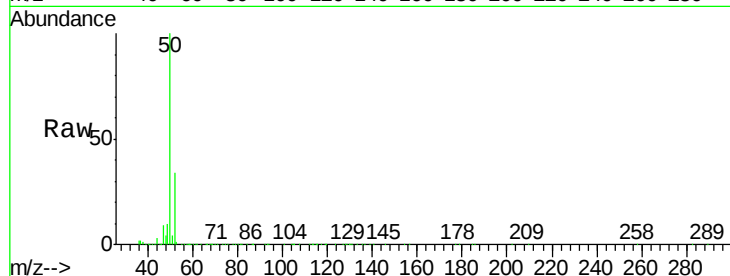
Ion Ratio Lower Upper

50 100

52 33.8 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 44.324 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007561.D

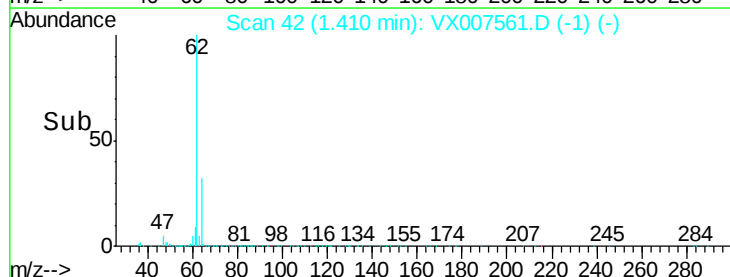
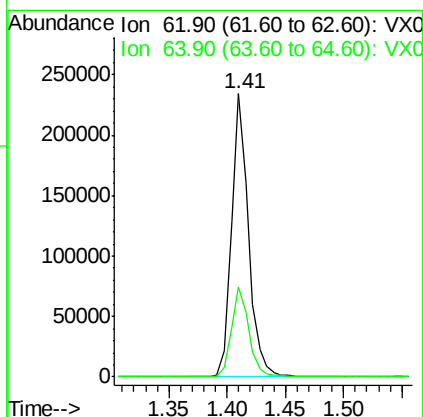
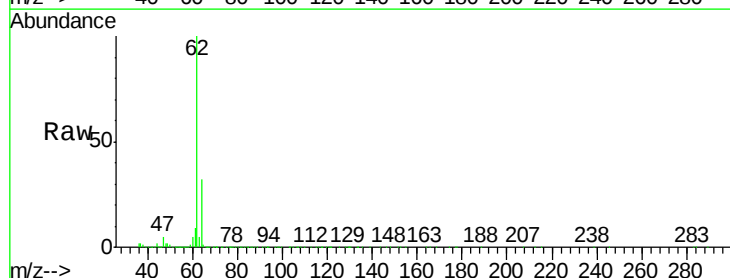
Acq: 15 Feb 2019 11:56

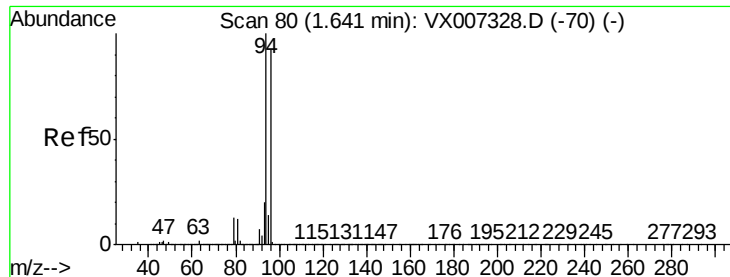
Tgt Ion: 62 Resp: 237673

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 41.853 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 222328

Ion Ratio Lower Upper

94 100

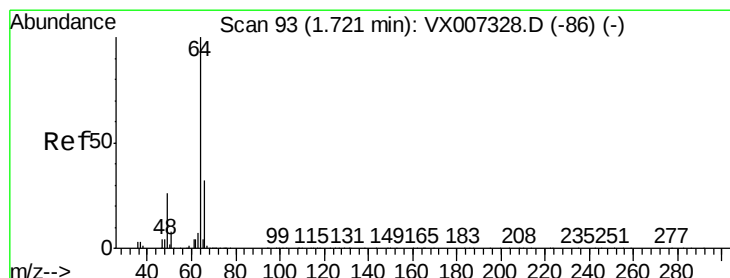
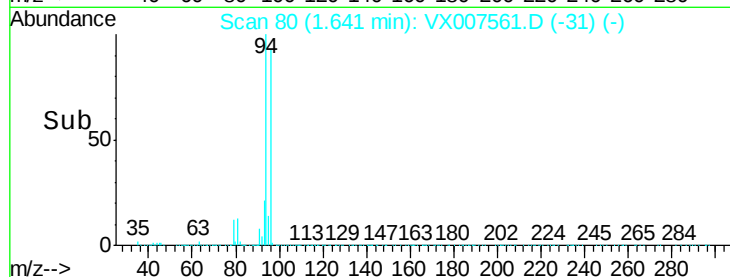
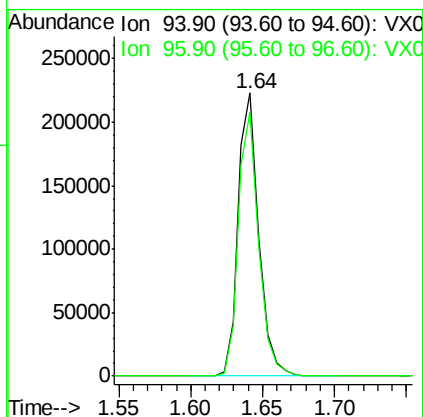
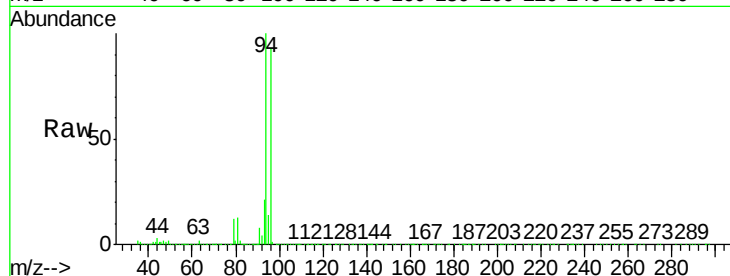
96 93.2 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 43.671 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007561.D

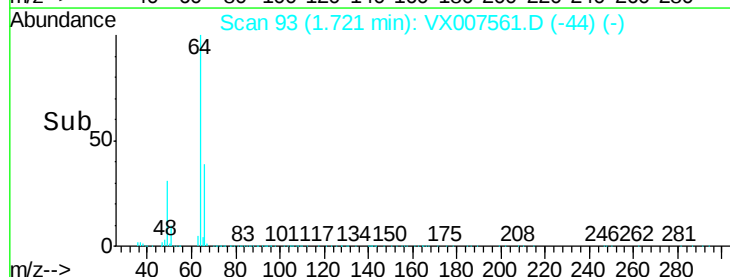
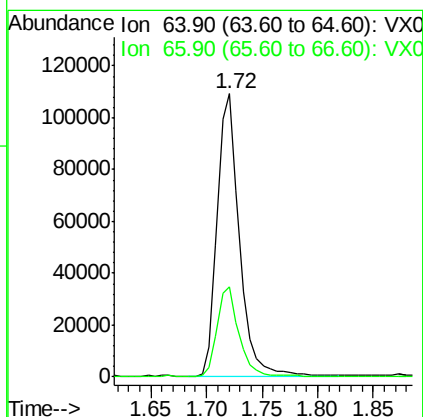
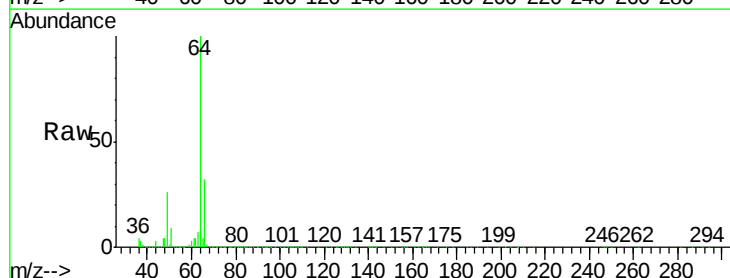
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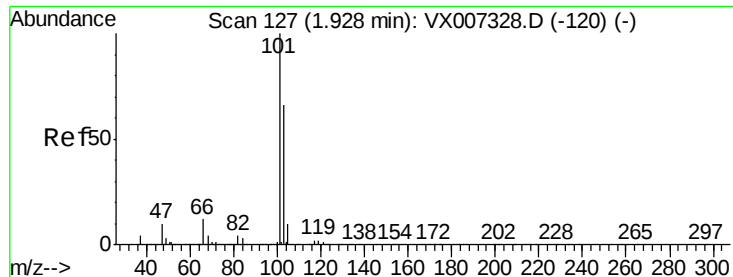
Tgt Ion: 64 Resp: 151484

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3





#7

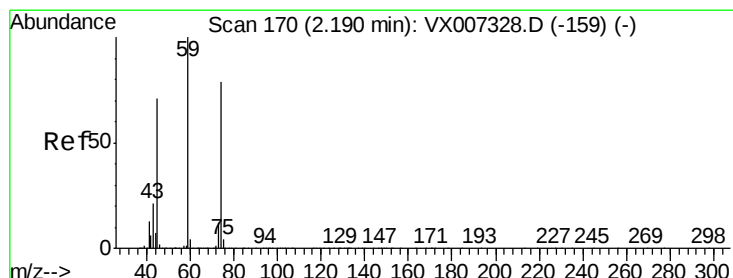
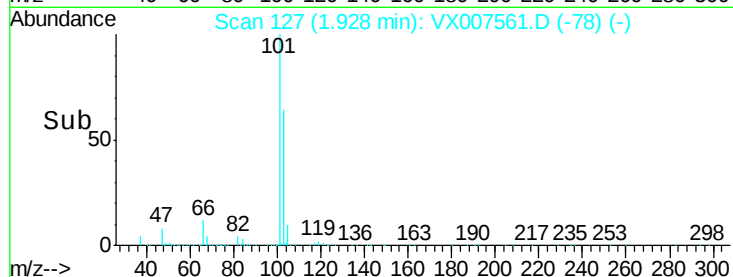
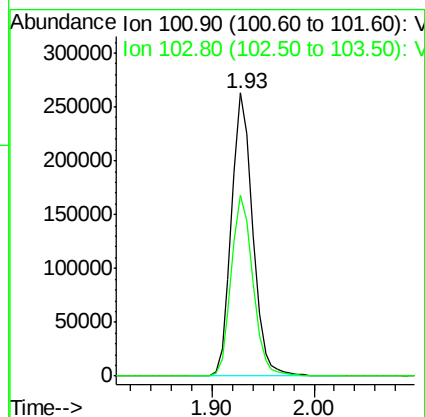
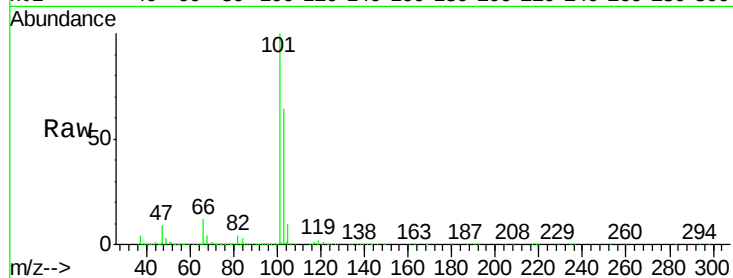
Trichlorofluoromethane
Concen: 45.138 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		378625		
103	63.8	52.6	79.0		

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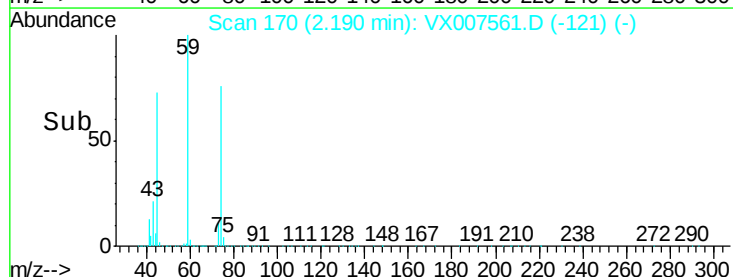
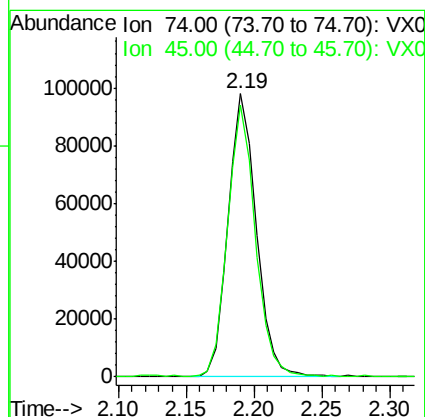
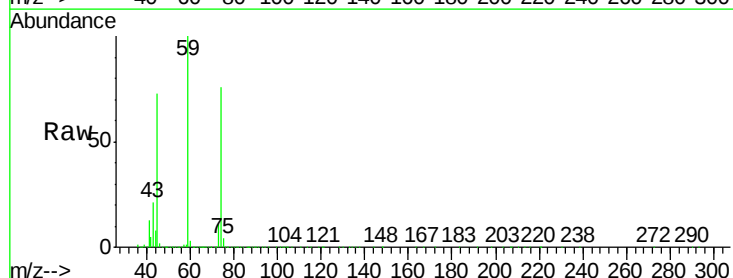
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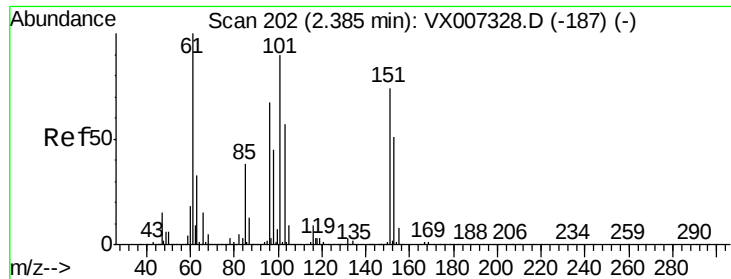


#8

Diethyl Ether
Concen: 44.634 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		140917		
45	94.6	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.552 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007561.D

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MSVOA_X

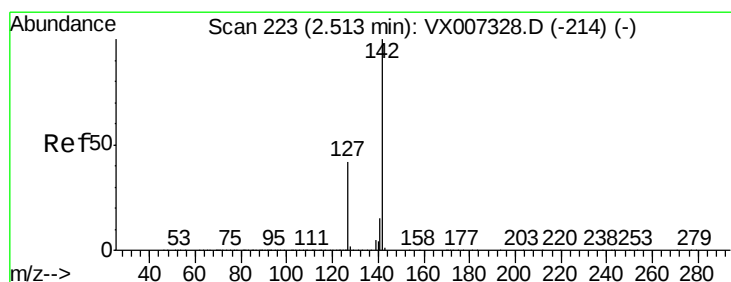
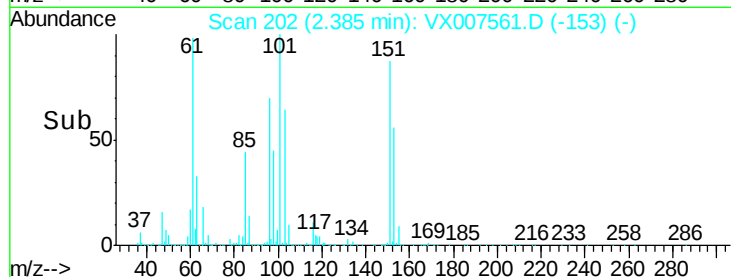
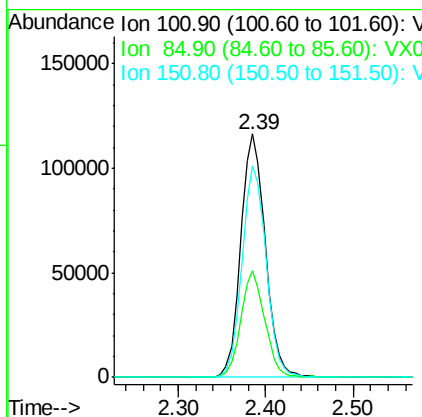
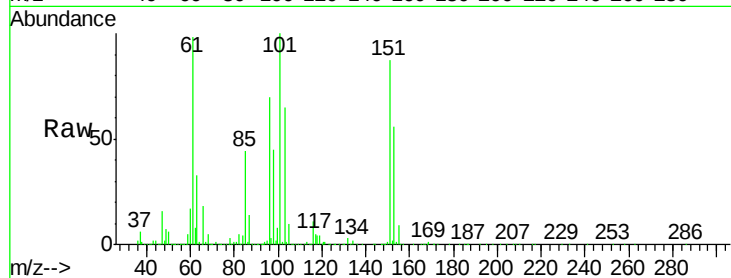
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	227285
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.1	51.1
151	85.6	69.9	104.9

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#10

Methyl Iodide

Concen: 35.516 ug/l

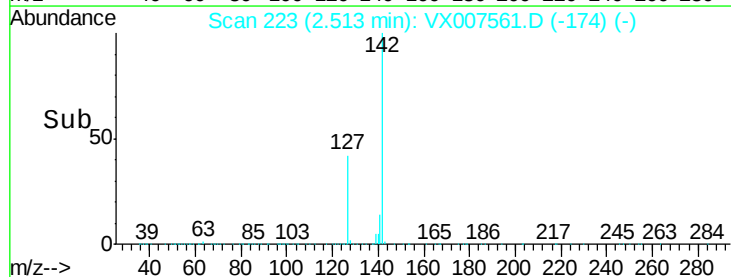
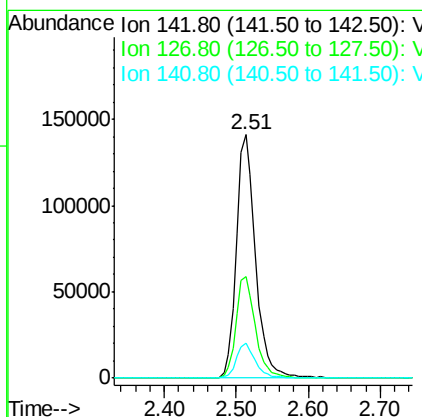
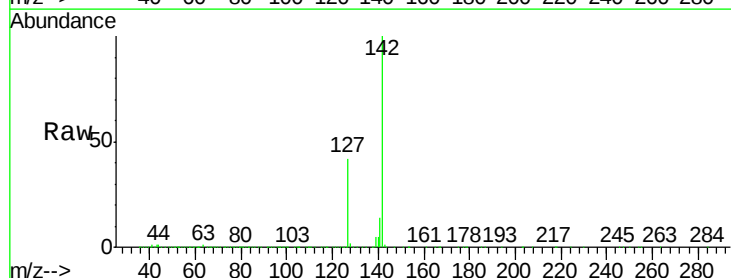
RT: 2.51 min Scan# 223

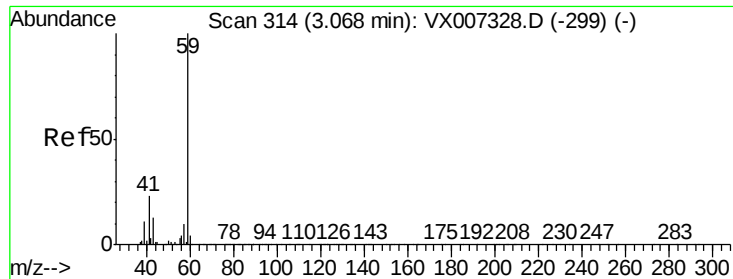
Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	142	Resp:	260682
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.7	50.5
141	14.2	11.3	16.9





#11

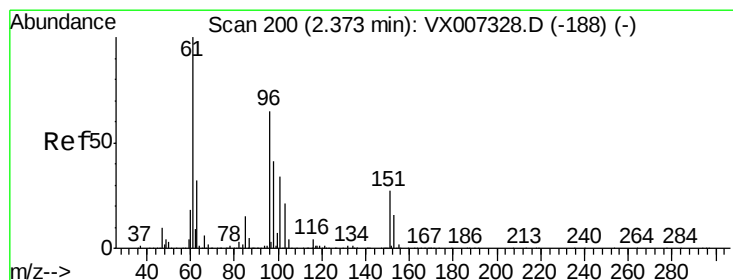
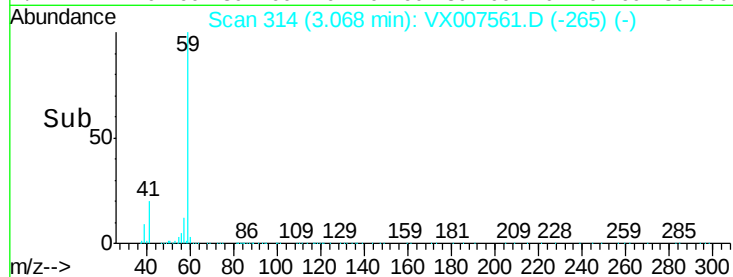
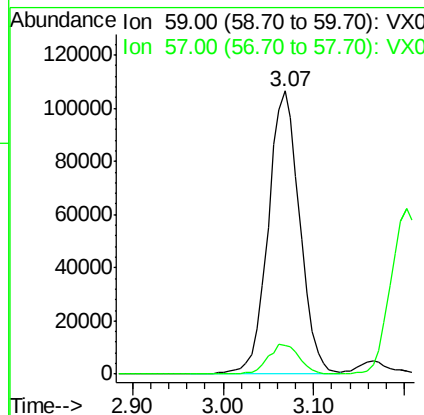
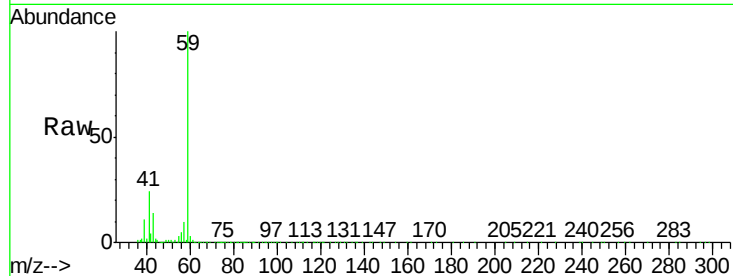
Tert butyl alcohol
Concen: 240.009 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.1	12.1

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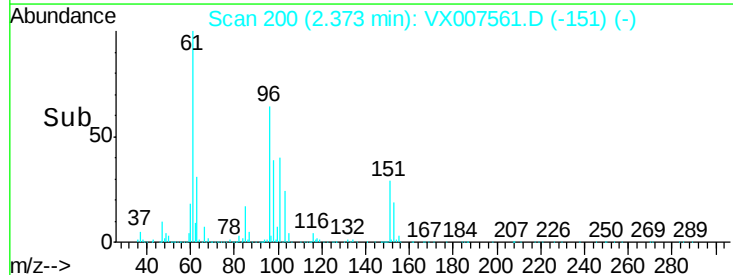
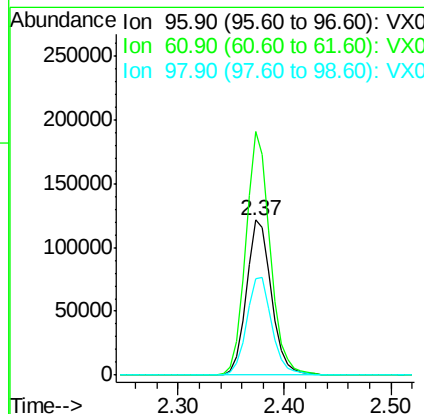
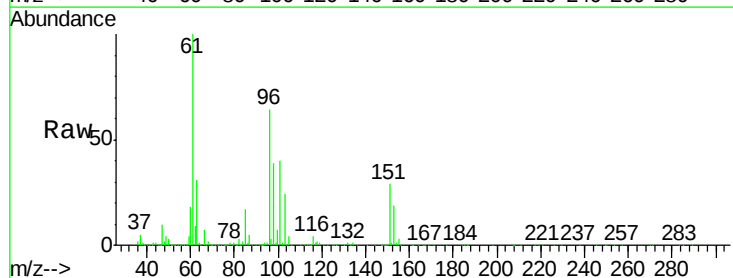
MMDadoda
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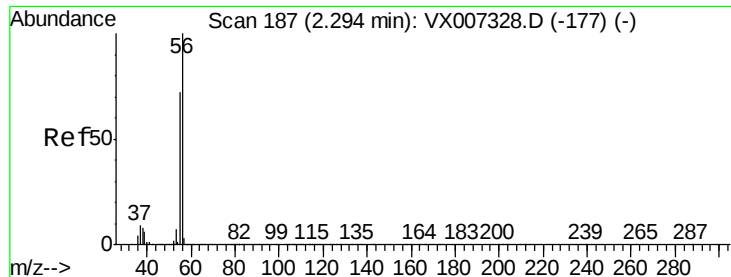


#12

1,1-Dichloroethene
Concen: 43.223 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	123.0	184.4
98	62.0	50.9	76.3





#13

Acrolein

Concen: 233.176 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 116552

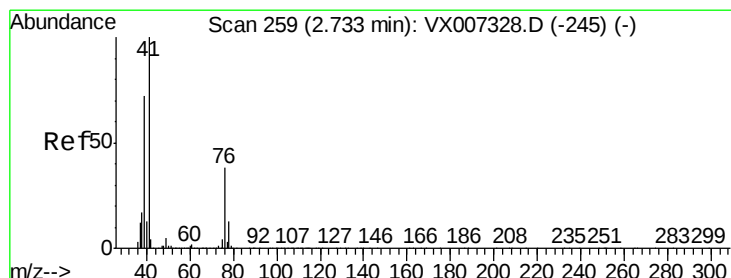
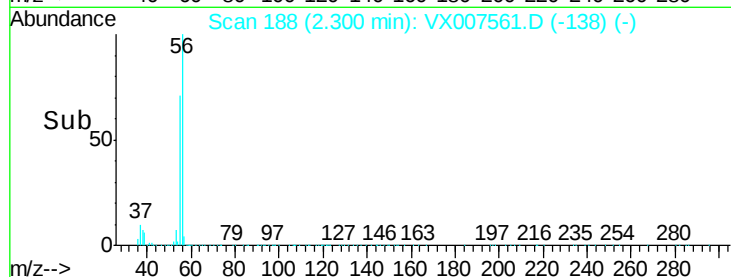
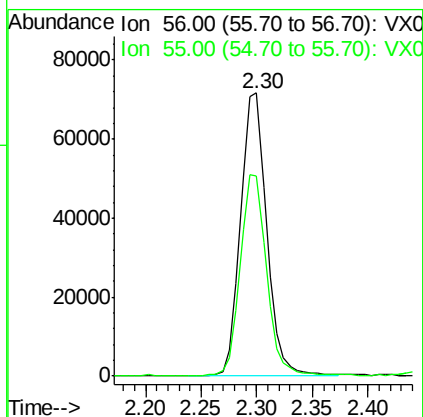
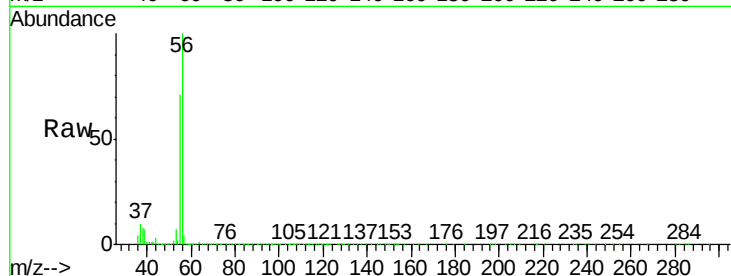
Ion Ratio Lower Upper

56 100

55 71.4 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 46.415 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

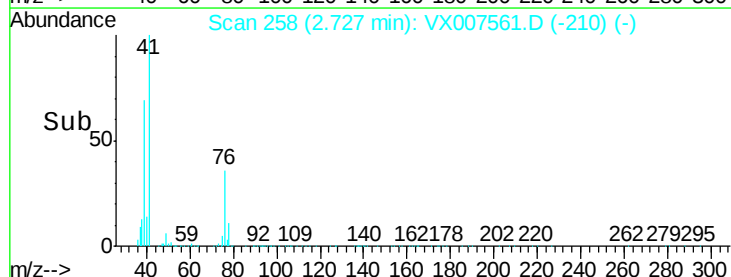
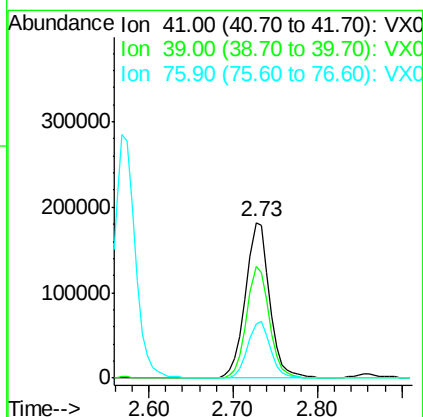
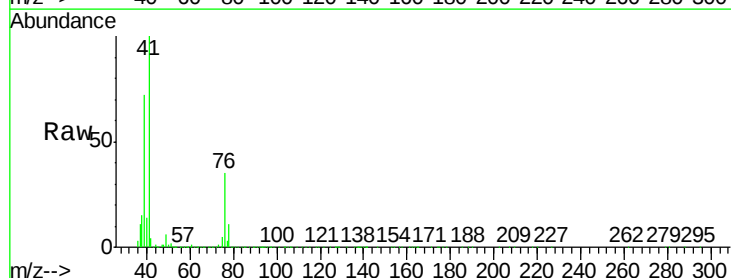
Tgt Ion: 41 Resp: 350404

Ion Ratio Lower Upper

41 100

39 67.2 54.1 81.1

76 34.0 27.8 41.8





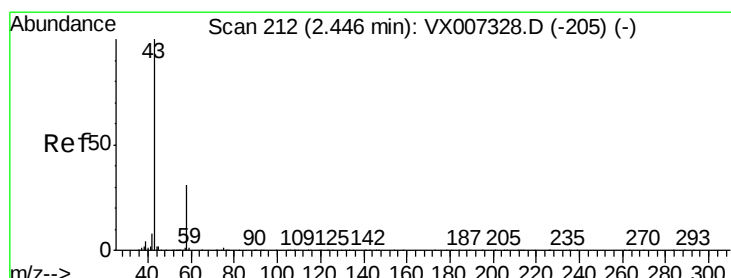
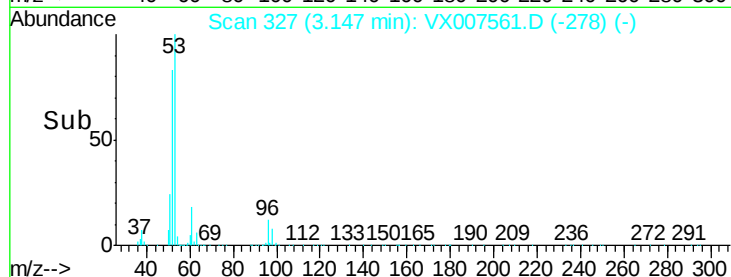
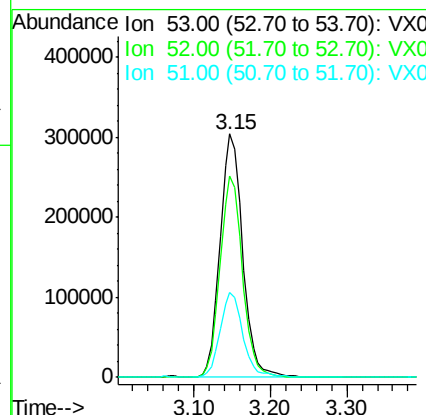
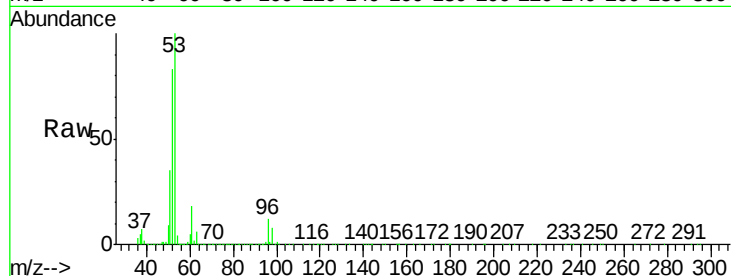
#15
 Acrylonitrile
 Concen: 235.833 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	621870
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.4	99.6
51	35.2	28.4	42.6

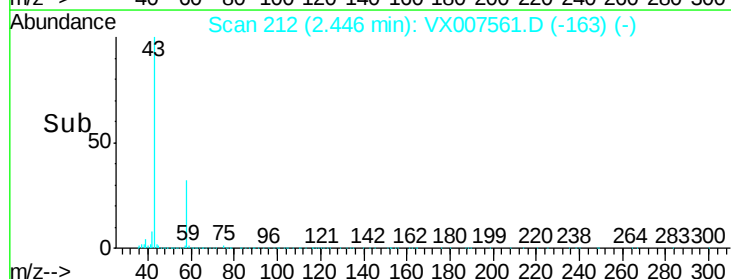
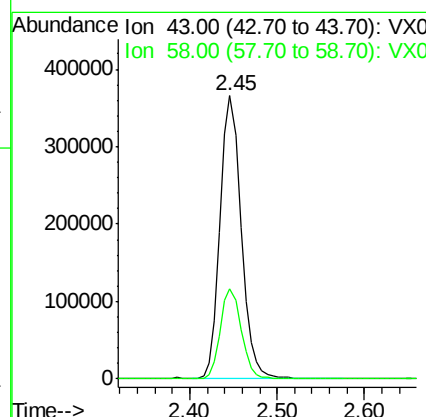
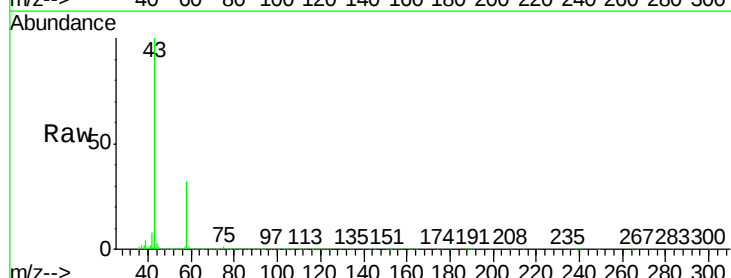
Manual Integrations
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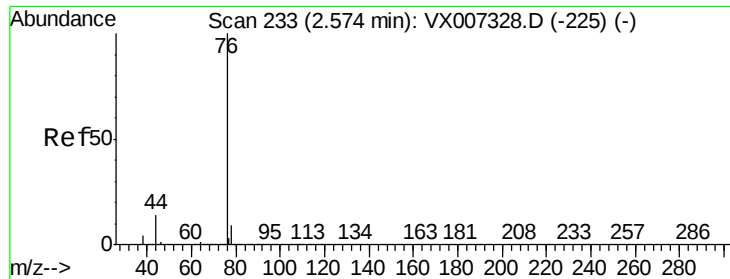
MMDadoda
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#16
 Acetone
 Concen: 259.074 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Tgt Ion:	43	Resp:	611256
Ion Ratio	Lower	Upper	
43	100		
58	31.8	24.9	37.3





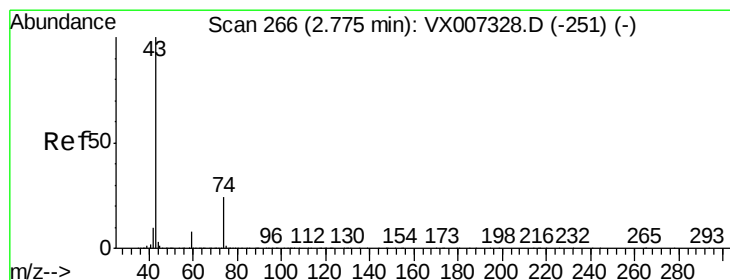
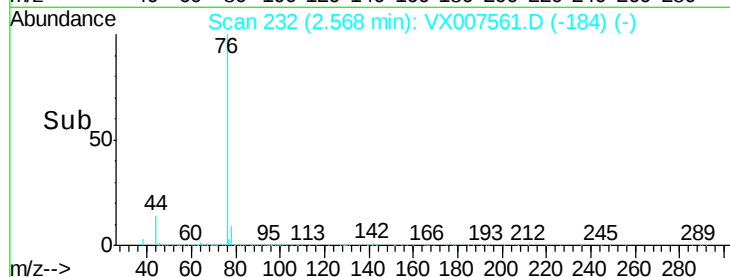
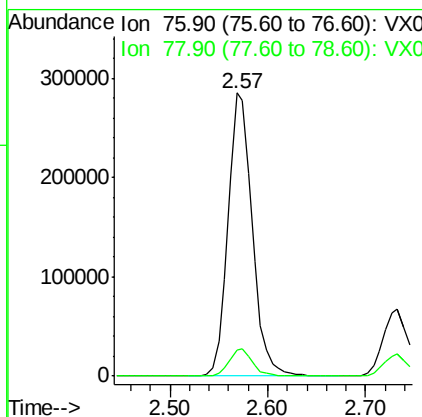
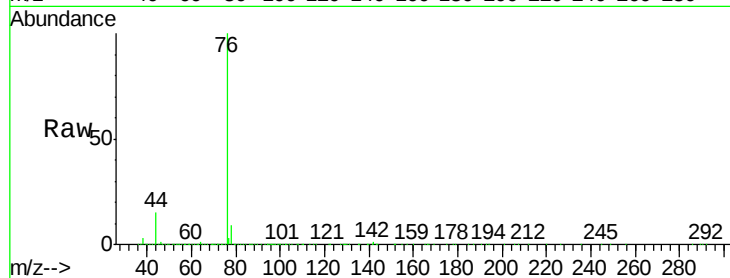
#17
Carbon Disulfide
Concen: 40.742 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

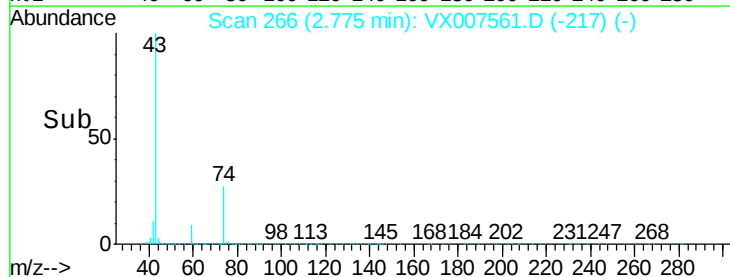
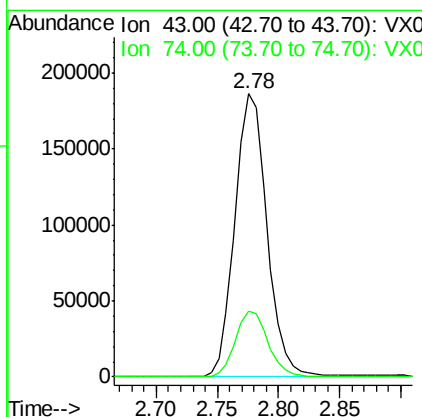
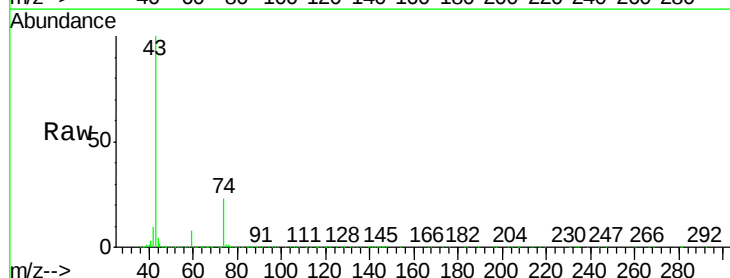
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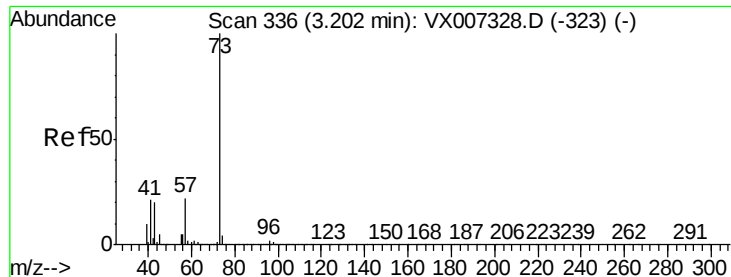
MMDadoda
2/18/2019 10:39:28 AM



#18
Methyl Acetate
Concen: 54.963 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2





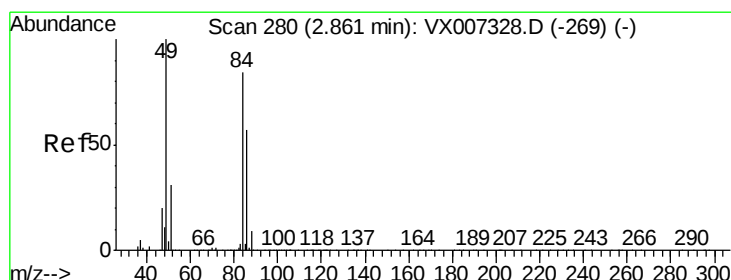
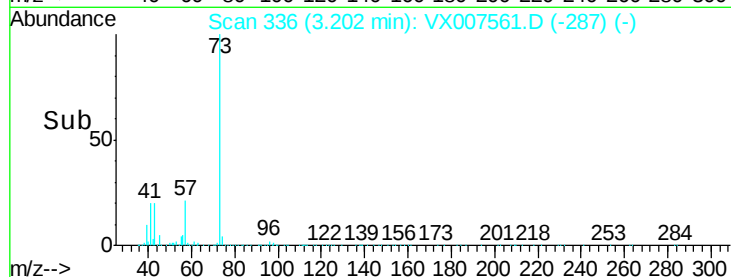
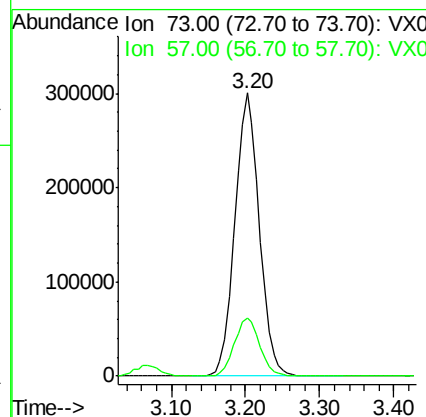
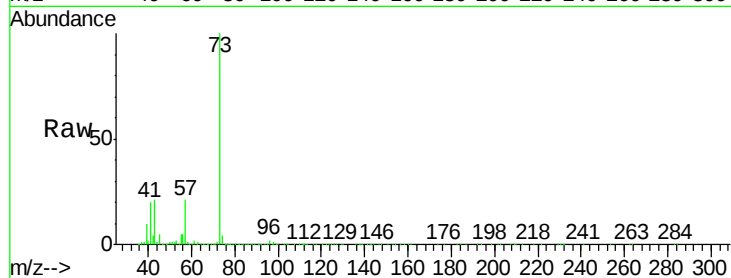
#19
Methvl tert-butvl Ether
Concen: 45.727 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.8	26.8

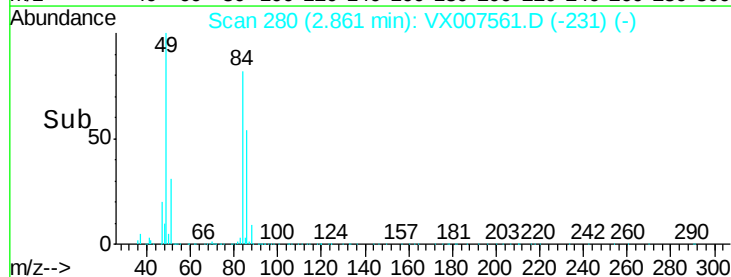
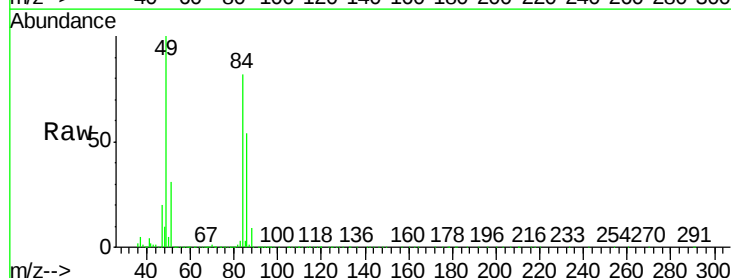
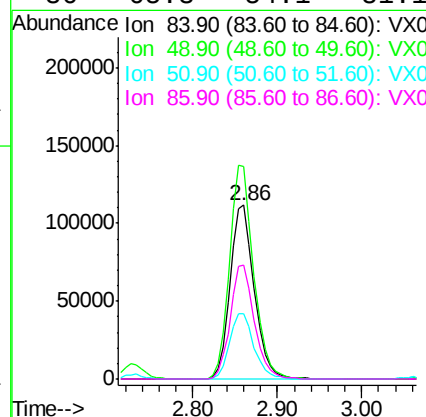
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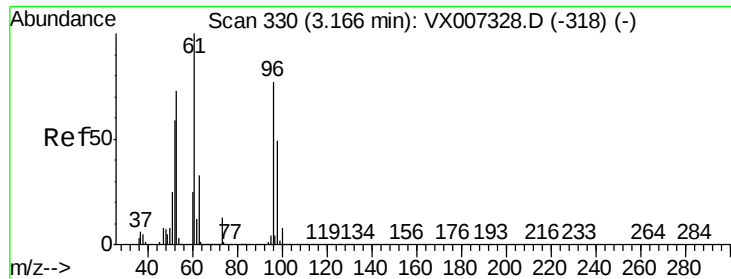
MMDadoda
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#20
Methylene Chloride
Concen: 45.178 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	94.8	142.2
51	37.3	29.8	44.8
86	65.3	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 42.503 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

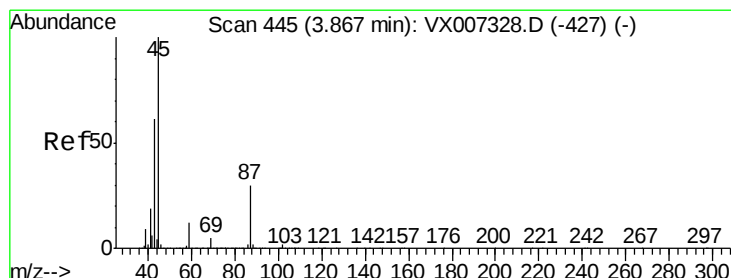
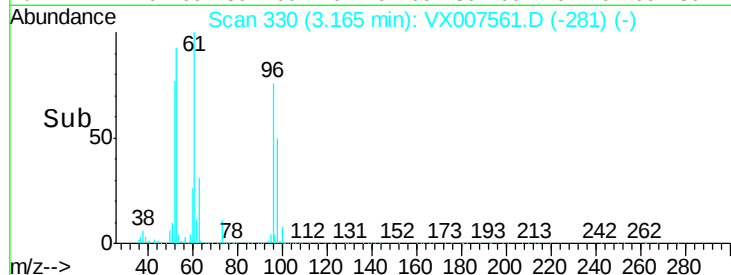
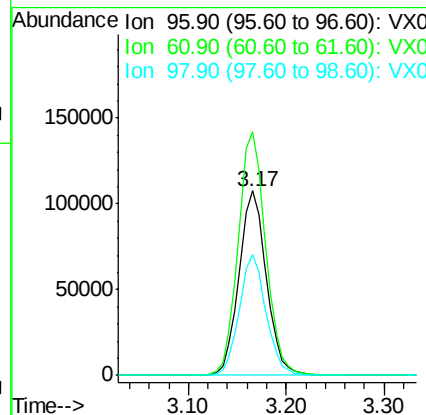
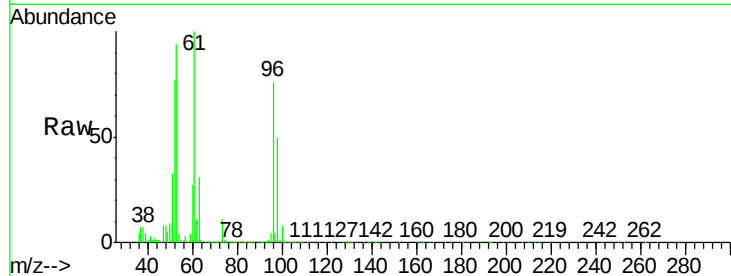
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	209779
Ion Ratio	Lower	Upper	
96	100		
61	131.8	104.6	156.8
98	65.5	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.429 ug/l

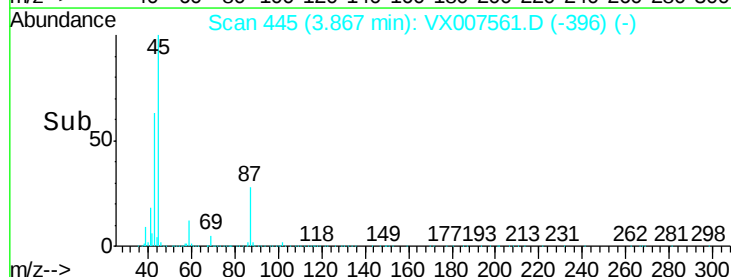
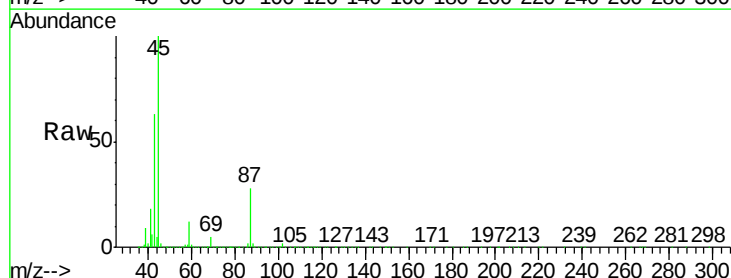
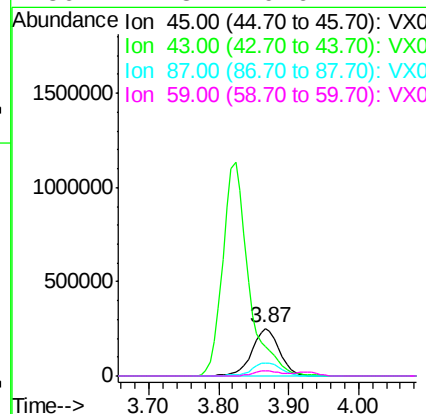
RT: 3.87 min Scan# 445

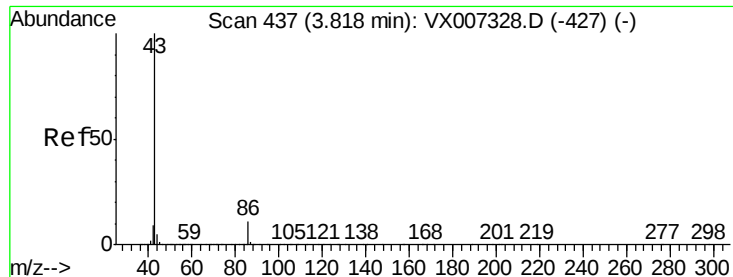
Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	45	Resp:	686392
Ion Ratio	Lower	Upper	
45	100		
43	62.7	48.9	73.3
87	28.2	23.9	35.9
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 254.758 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2935672

Ion Ratio Lower Upper

43 100

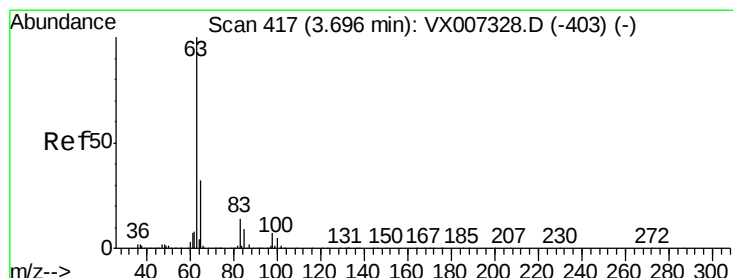
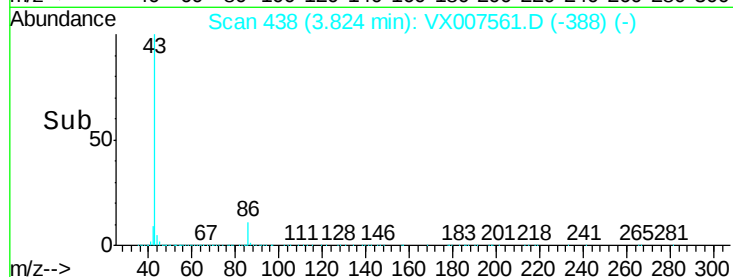
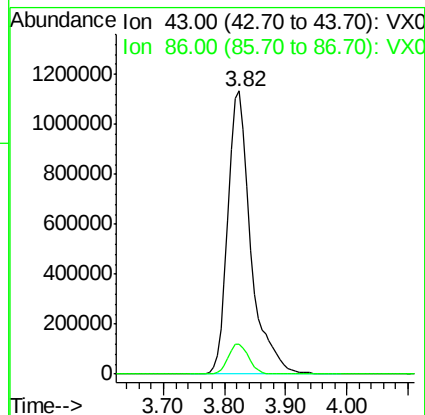
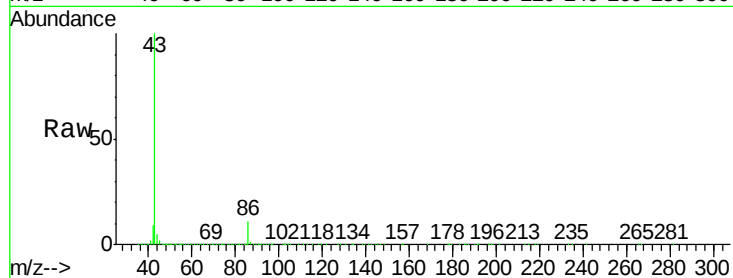
86 10.8 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.383 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

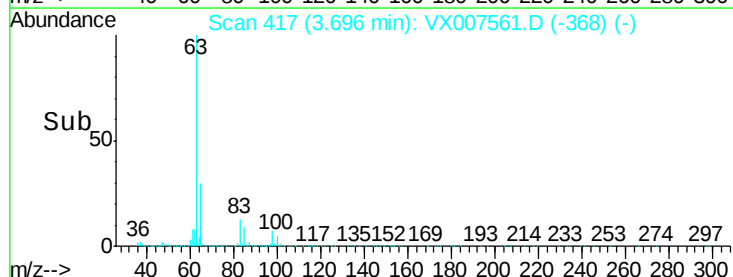
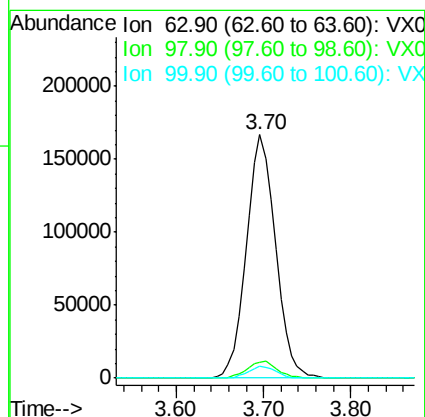
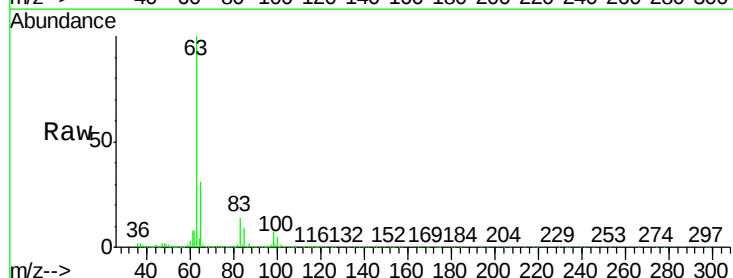
Tgt Ion: 63 Resp: 385837

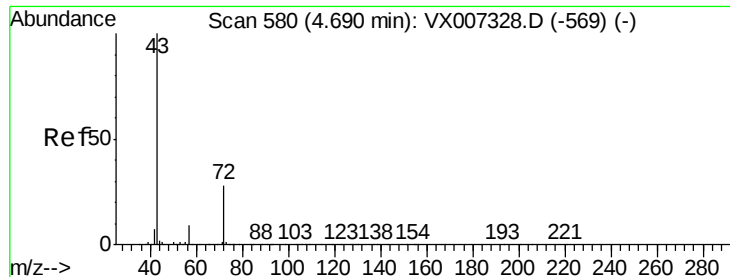
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.8

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 253.885 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 852468

Ion Ratio Lower Upper

43 100

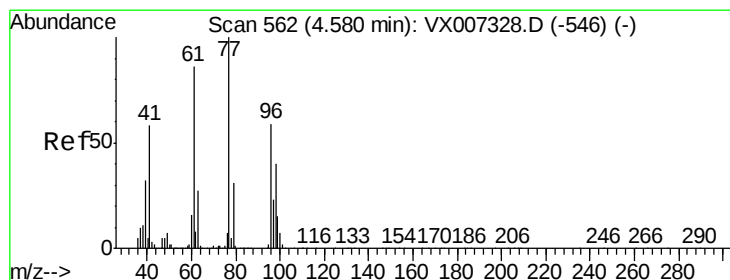
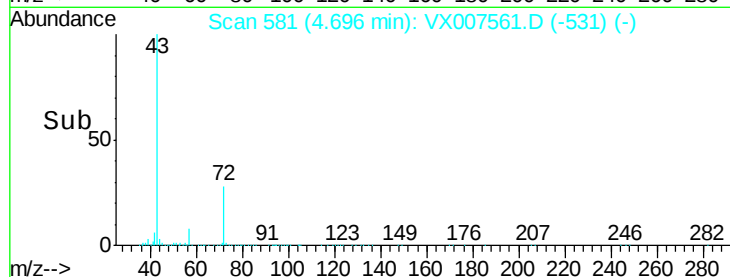
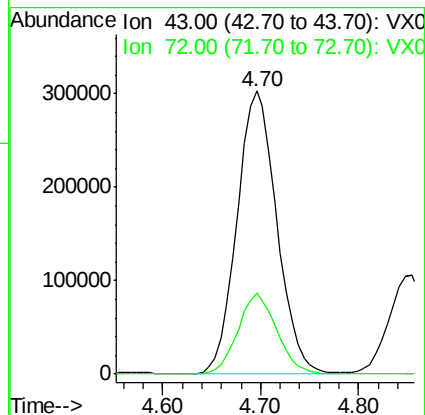
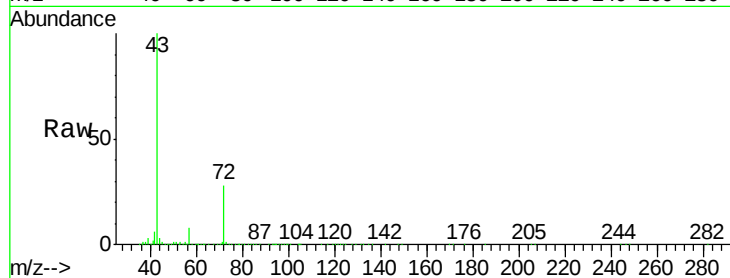
72 28.4 22.2 33.2

Manual Integrations

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MMDadoda

2/18/2019 10:39:28 AM



#26

2,2-Dichloropropane

Concen: 49.042 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX007561.D

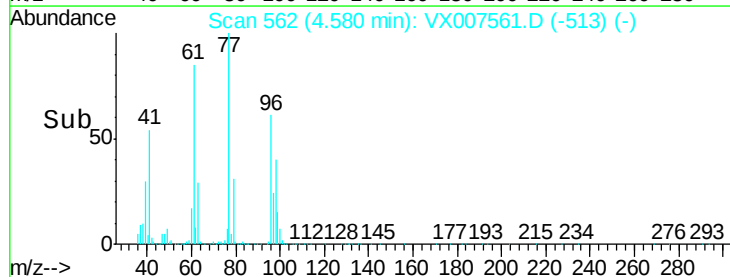
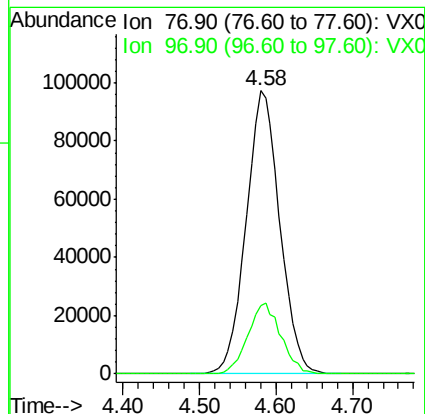
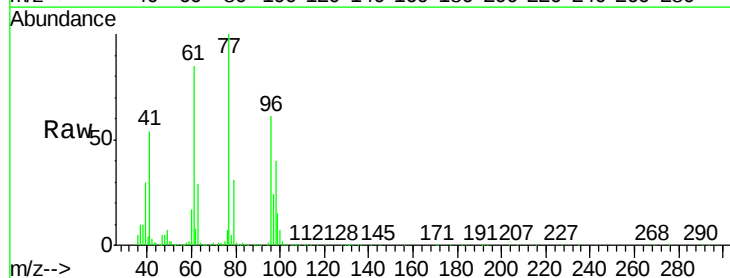
Acq: 15 Feb 2019 11:56

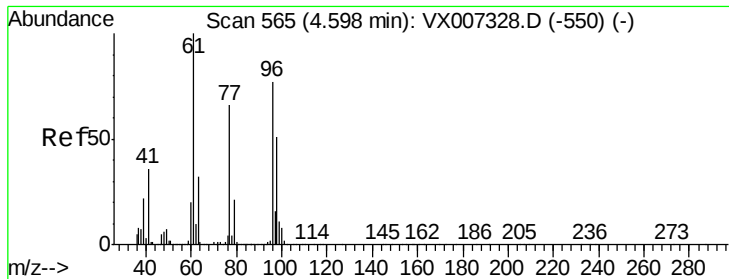
Tgt Ion: 77 Resp: 297842

Ion Ratio Lower Upper

77 100

97 24.7 12.1 36.3





#27

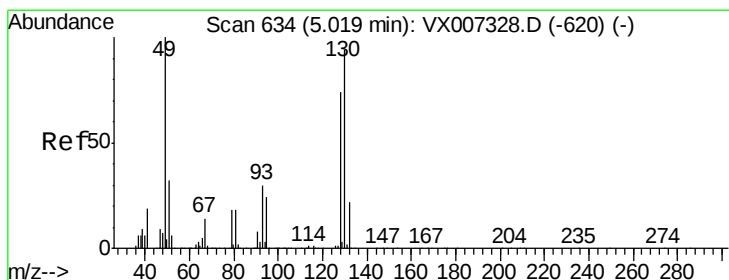
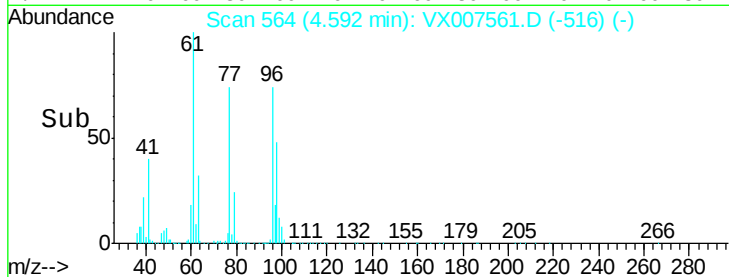
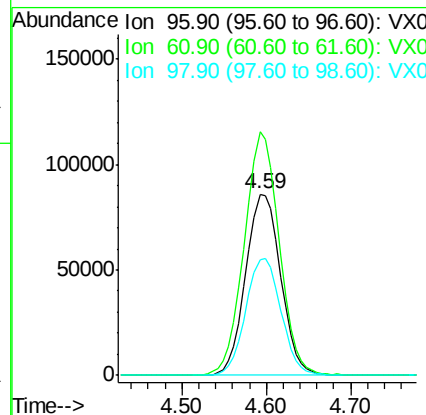
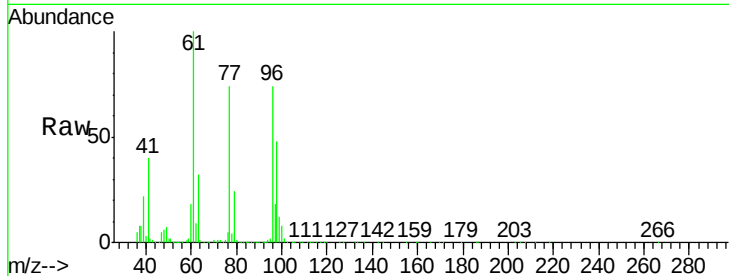
cis-1,2-Dichloroethene
 Concen: 44.986 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	242515		
61	134.2	0.0	265.6	
98	65.2	0.0	131.6	

Manual Integrations
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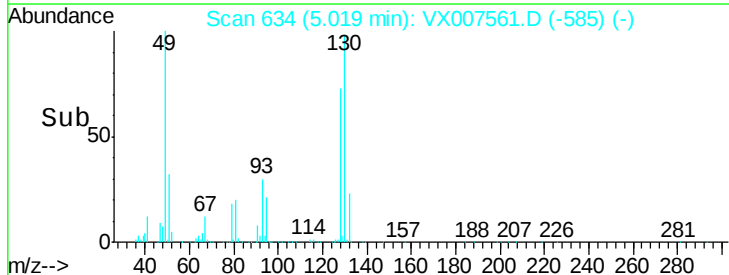
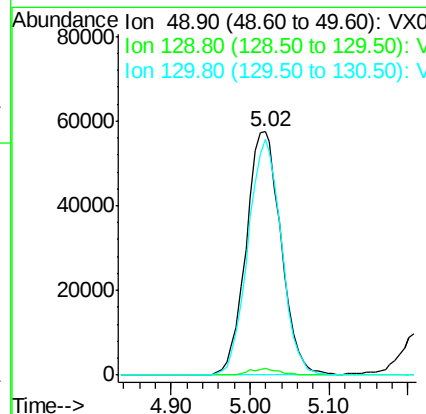
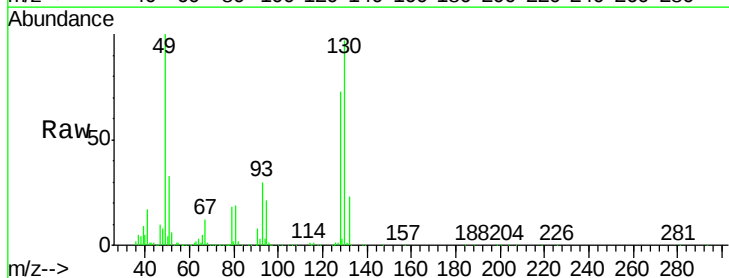
MMDadoda
 2/18/2019 10:39:28 AM



#28

Bromochloromethane
 Concen: 48.012 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	176076		
129	2.5	0.0	5.6	
130	93.2	75.6	113.4	





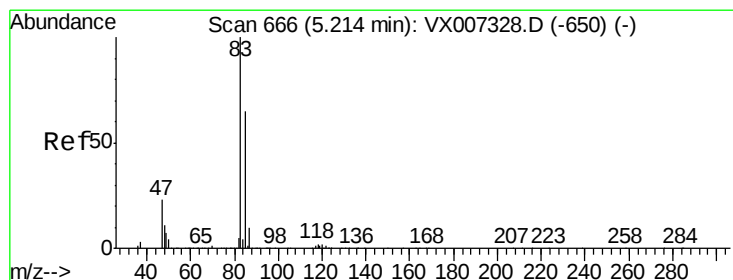
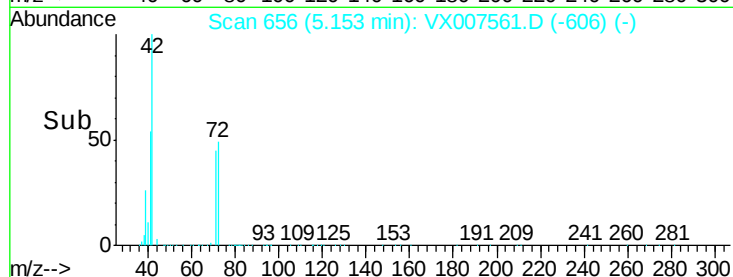
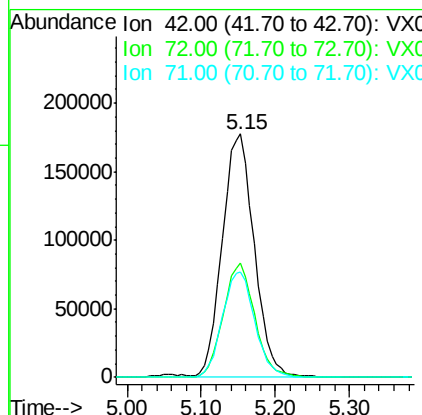
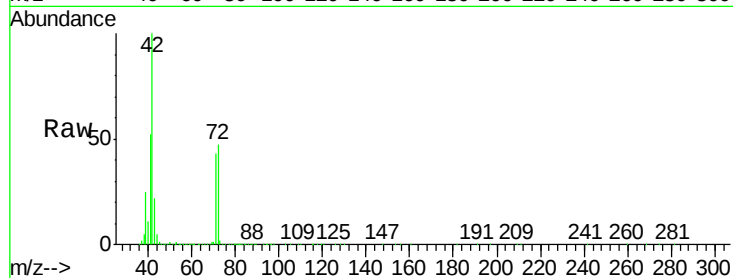
#29
Tetrahydrofuran
Concen: 250.531 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.6	56.4
71	43.9	34.6	51.8

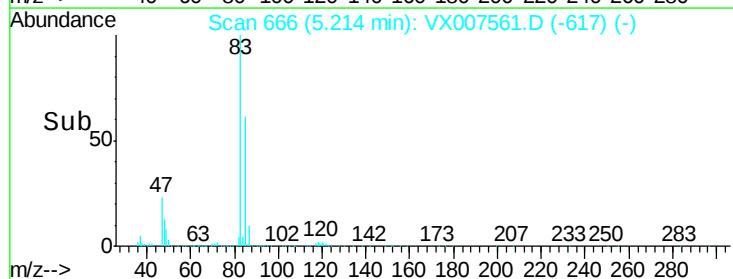
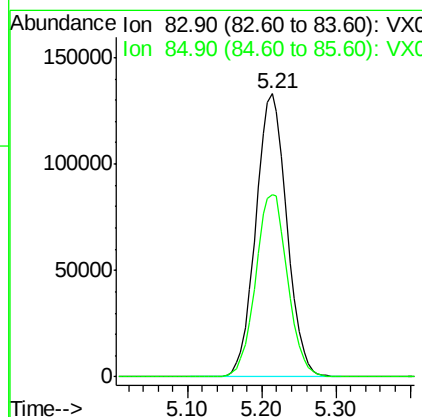
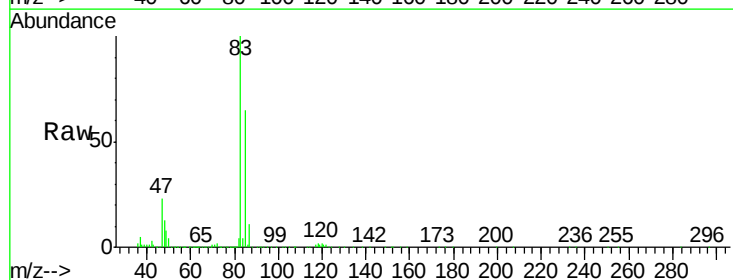
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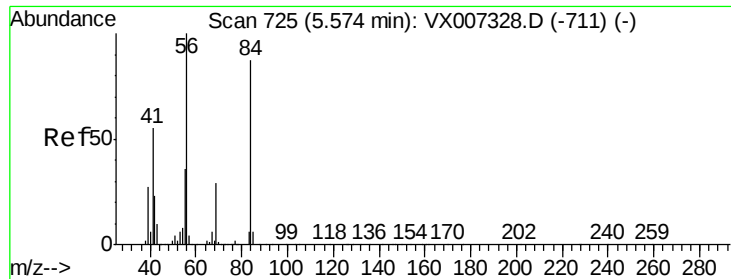
MMDadoda
2/18/2019 10:39:28 AM



#30
Chloroform
Concen: 46.769 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





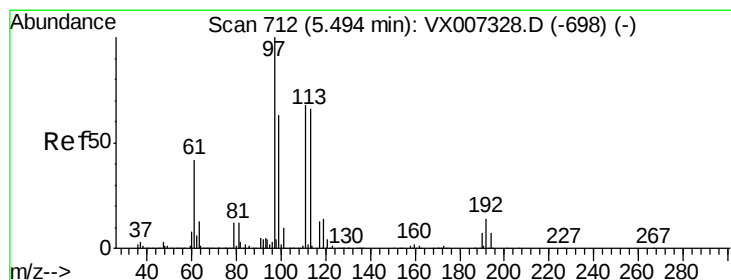
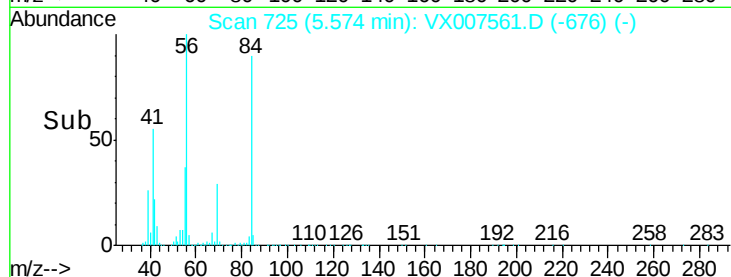
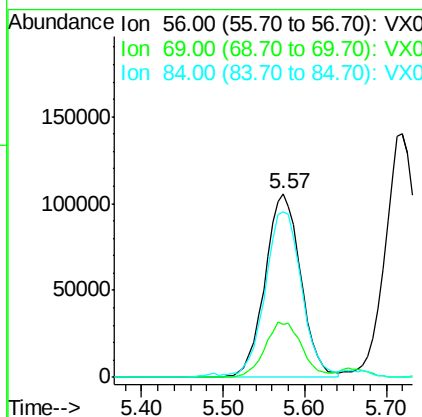
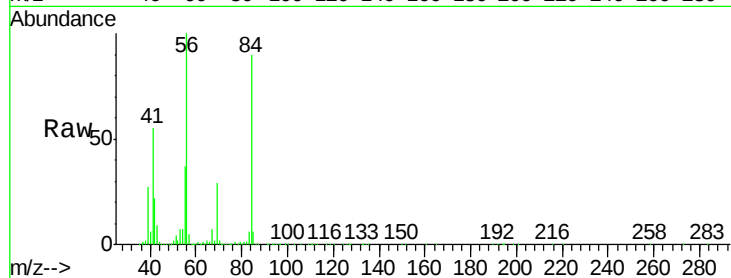
#31
Cyclohexane
Concen: 44.808 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.0	34.6
84	89.9	69.8	104.6

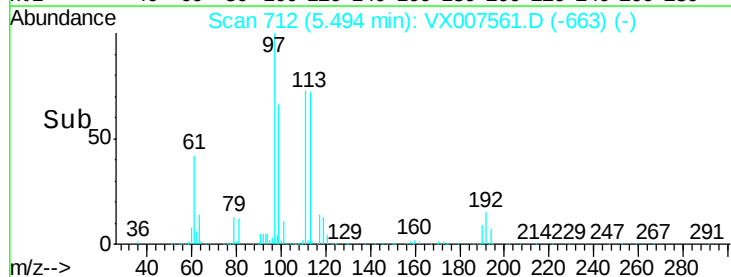
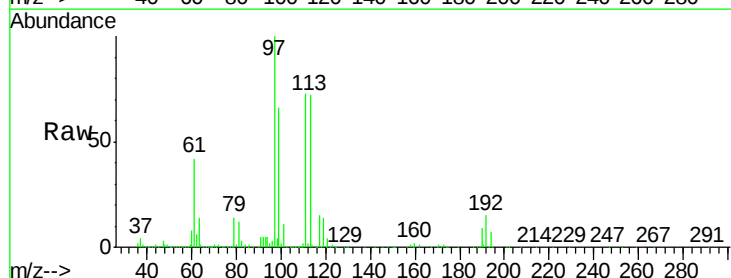
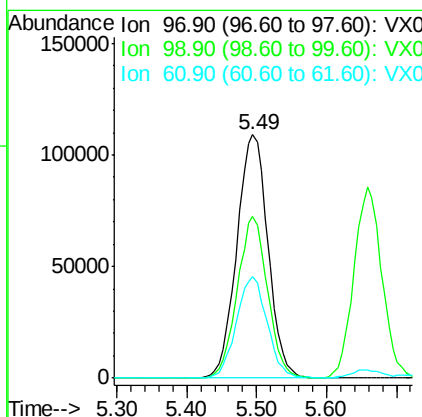
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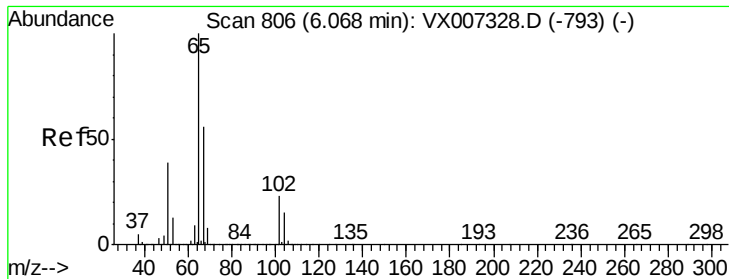
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#32
1,1,1-Trichloroethane
Concen: 47.835 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	41.4	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 48.683 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 65 Resp: 250748

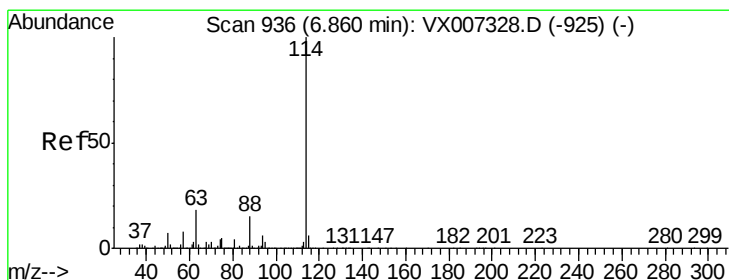
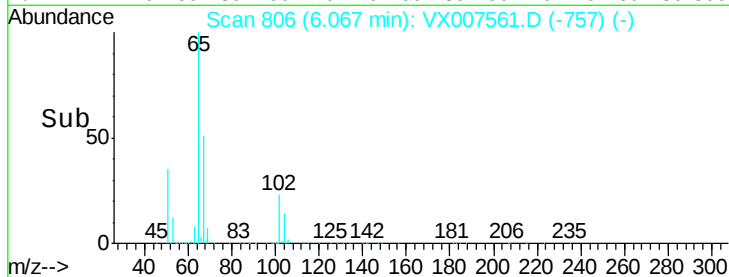
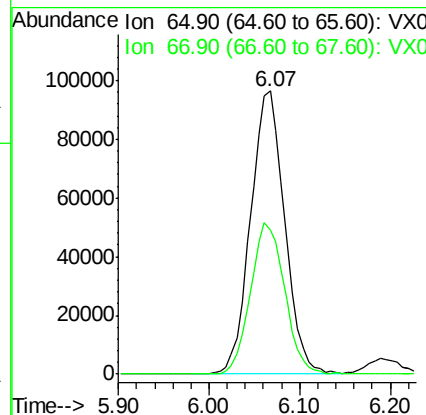
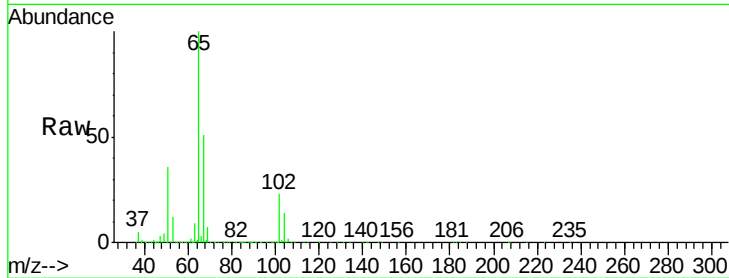
Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

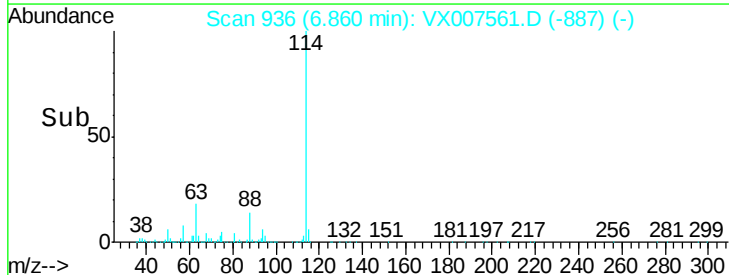
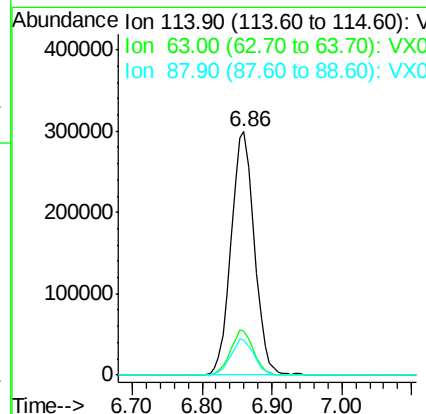
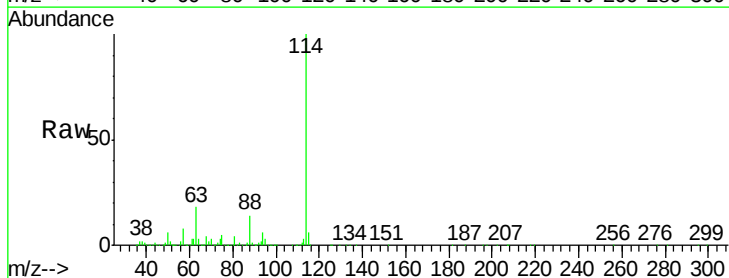
Tgt Ion: 114 Resp: 694126

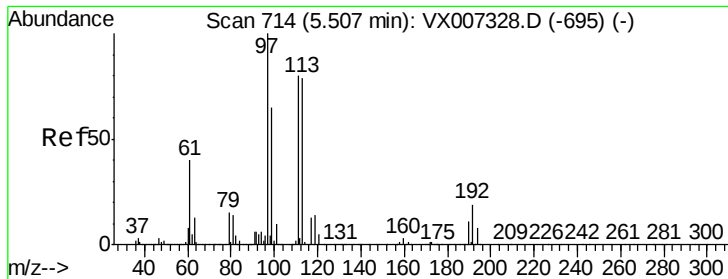
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

88 14.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.371 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

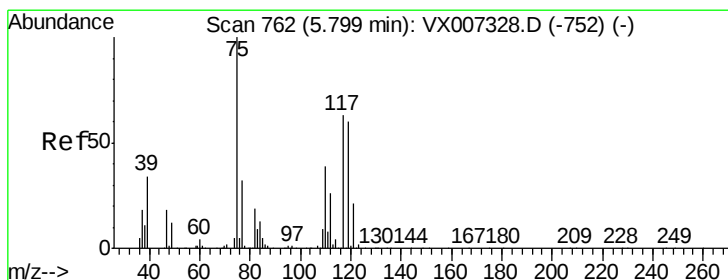
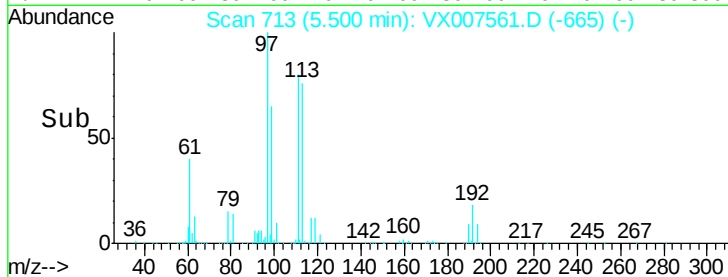
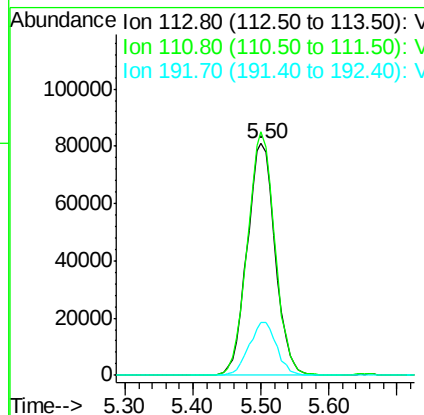
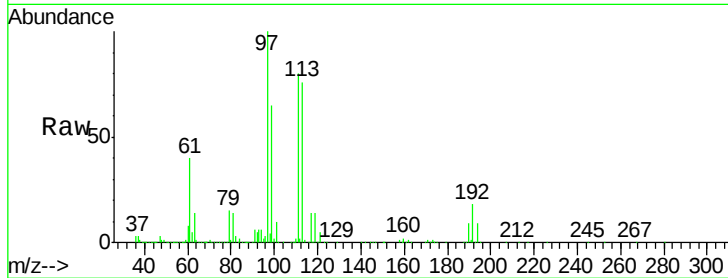
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	232015
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.8	122.8
192	22.7	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 45.426 ug/l

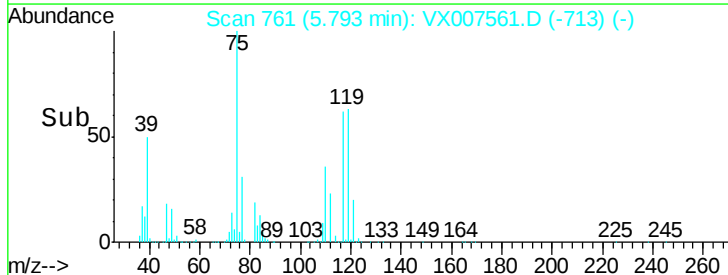
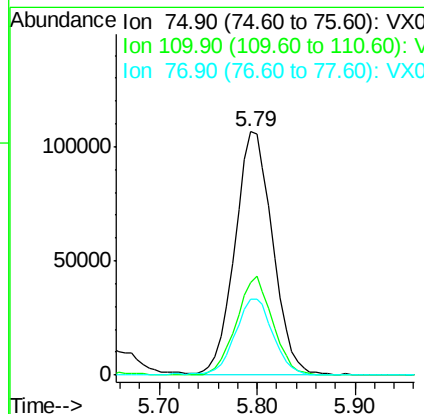
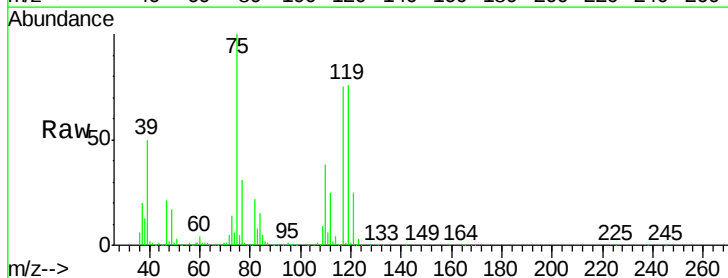
RT: 5.79 min Scan# 761

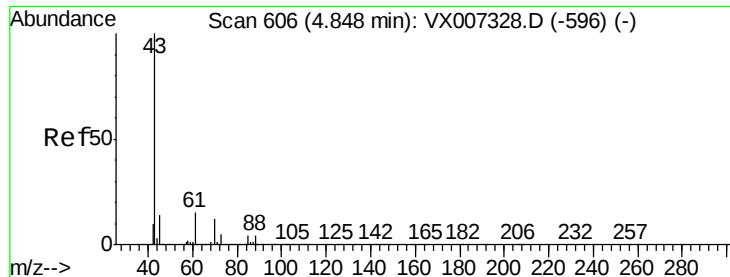
Delta R.T. -0.01 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	75	Resp:	282910
Ion Ratio	Lower	Upper	
75	100		
110	39.4	20.0	59.9
77	30.8	24.7	37.1





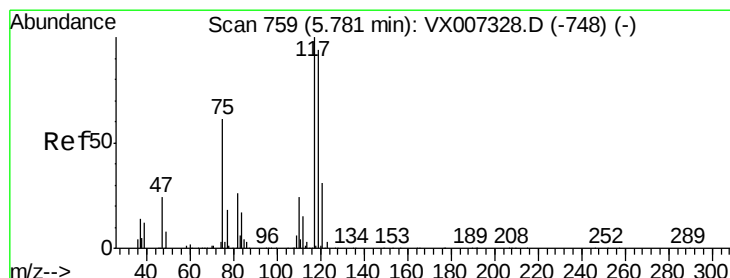
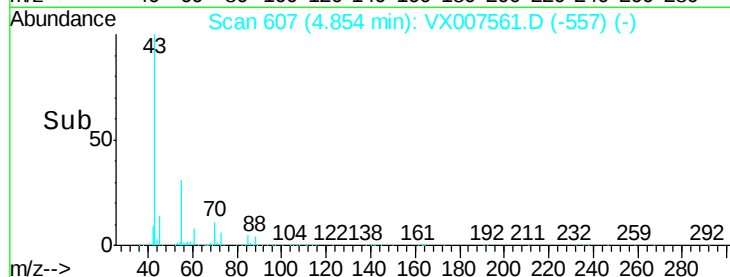
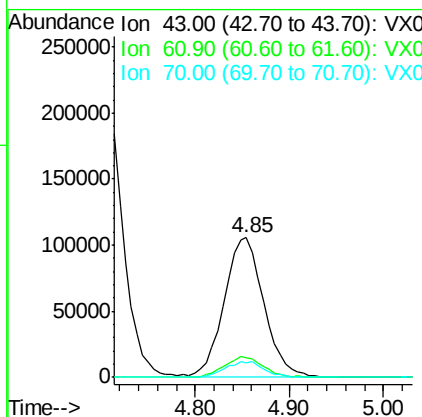
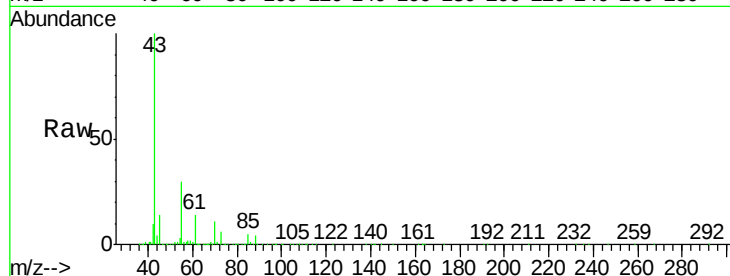
#37
Ethyl Acetate
Concen: 48.553 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	305673
Ion Ratio	Lower	Upper	
43	100		
61	14.2	11.3	16.9
70	11.4	8.6	13.0

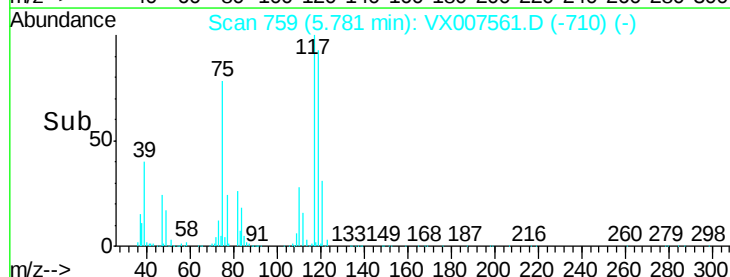
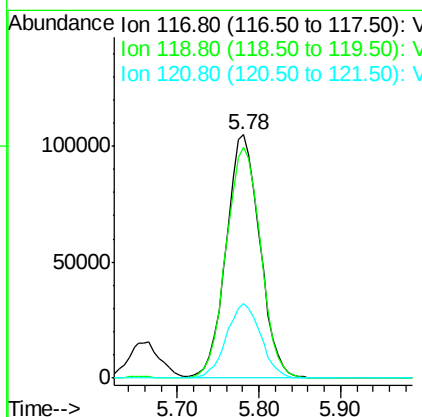
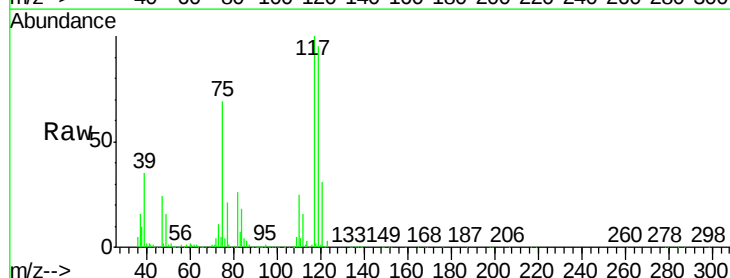
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#38
Carbon Tetrachloride
Concen: 49.363 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	117	Resp	298254
Ion Ratio	Lower	Upper	
117	100		
119	94.6	75.3	112.9
121	30.9	25.0	37.4





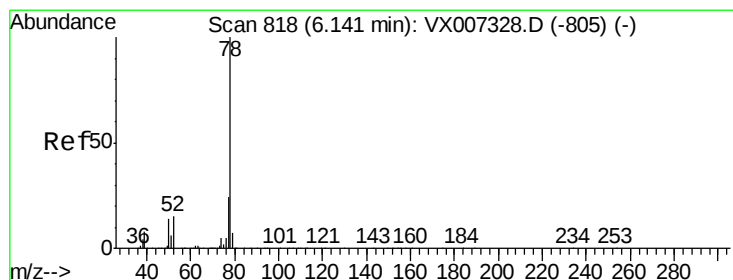
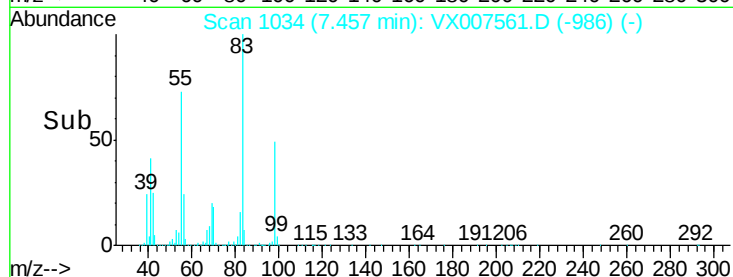
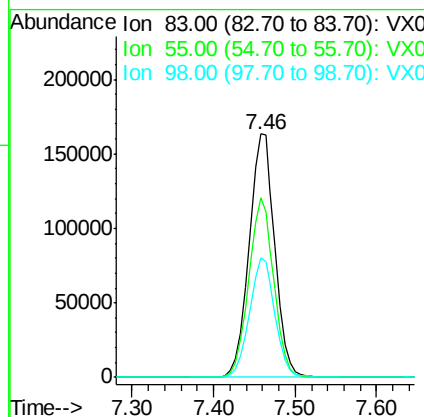
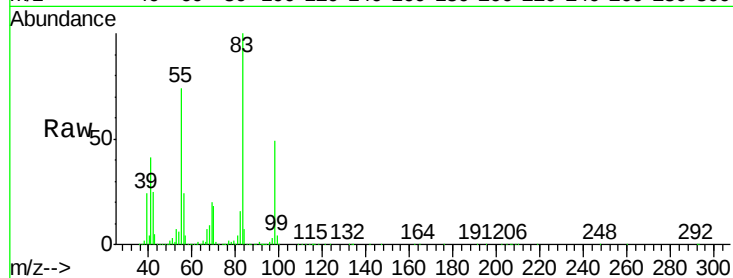
#39
Methvlcvclohexane
Concen: 47.417 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	56.2	84.2
98	48.9	36.8	55.2

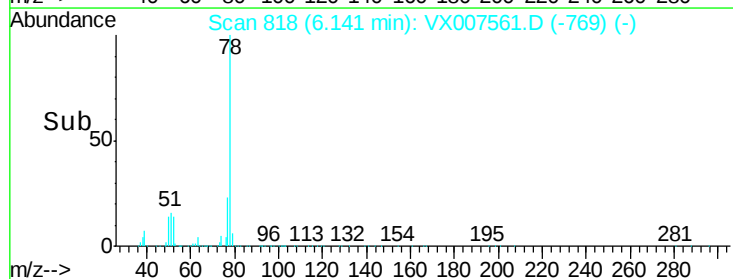
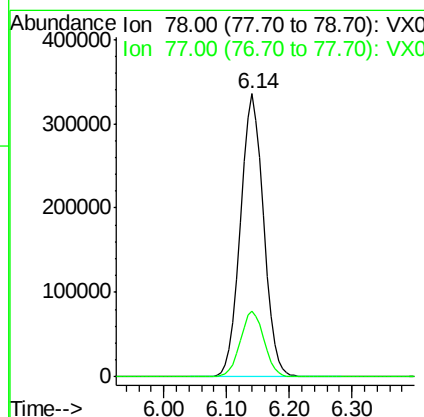
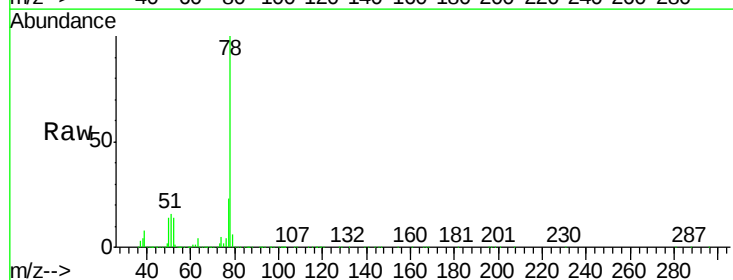
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#40
Benzene
Concen: 46.789 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9





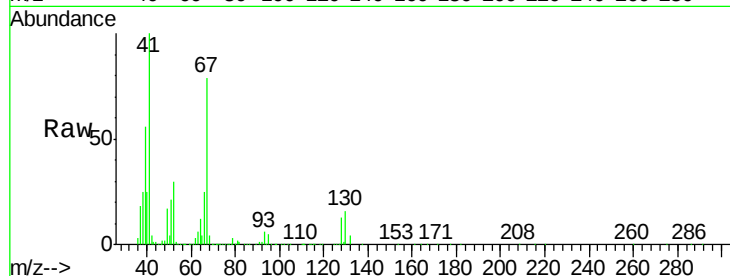
#41
Methacrylonitrile
Concen: 49.740 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

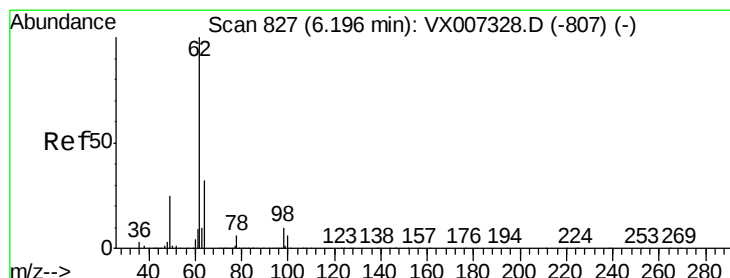
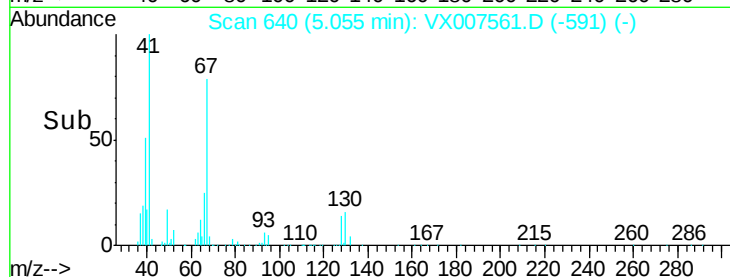
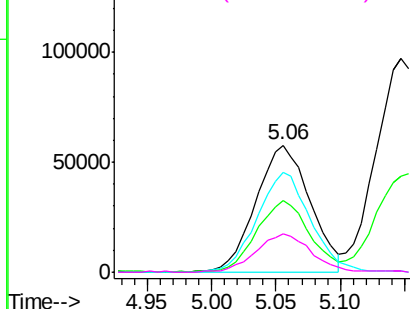
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		167833		
39	54.7	44.5	66.7		
67	77.3	60.4	90.6		
52	30.7	24.1	36.1		

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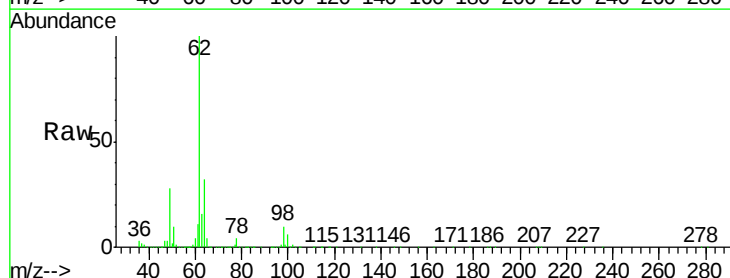


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

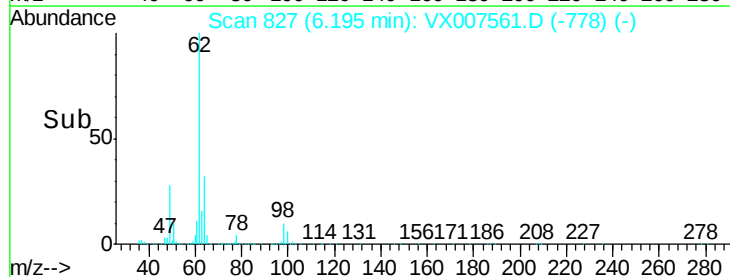
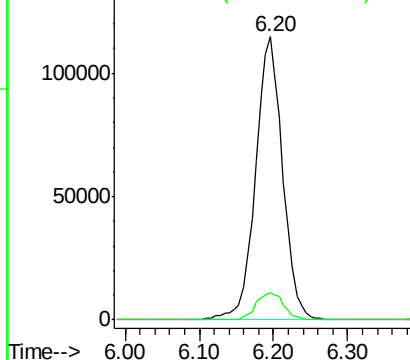


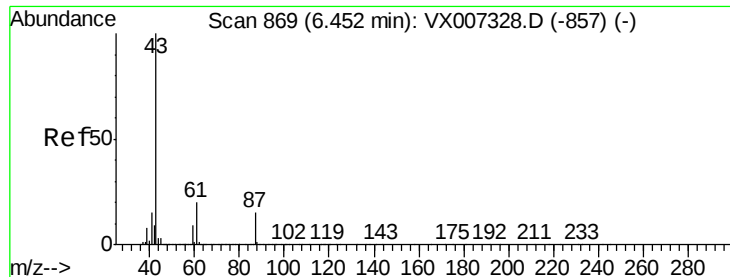
#42
1,2-Dichloroethane
Concen: 45.813 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		290800		
98	10.1	0.0	19.0		



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

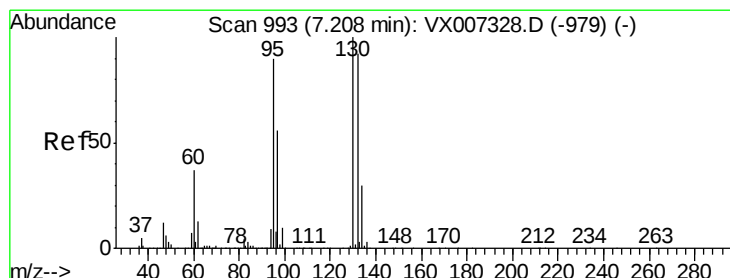
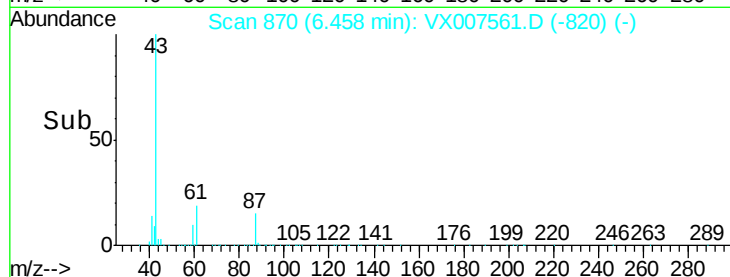
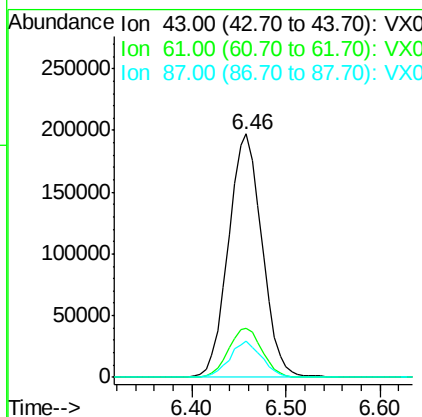
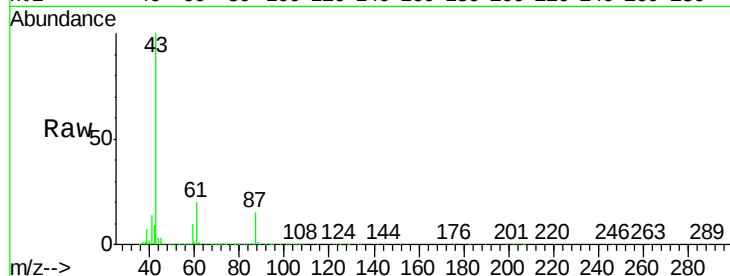
Isopropyl Acetate
 Concen: 50.360 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	14.4	11.5	17.3

Manual Integrations
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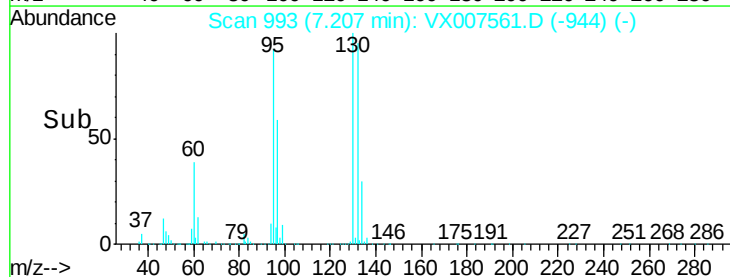
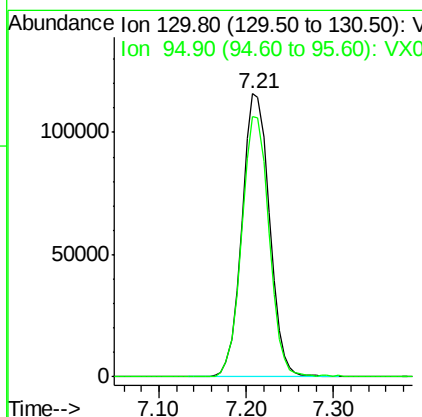
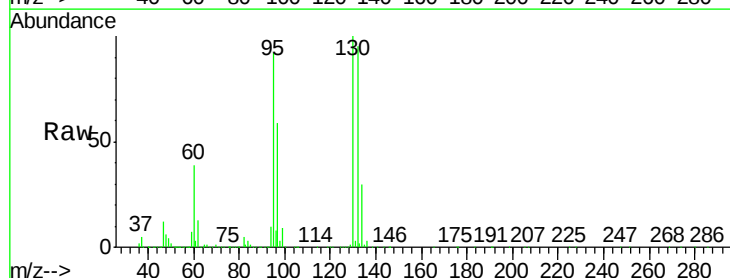
MMDadoda
 2/18/2019 10:39:28 AM

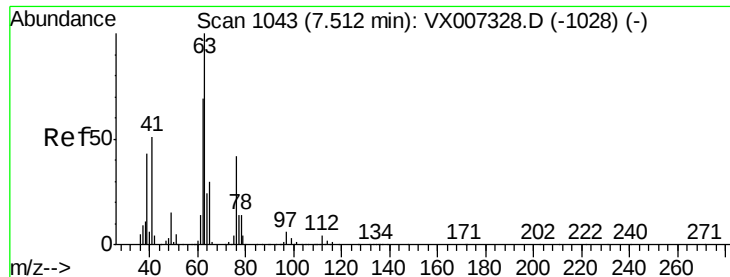


#44

Trichloroethene
 Concen: 45.831 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	180.0





#45

1,2-Dichloropropane

Concen: 48.102 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 221104

Ion Ratio Lower Upper

63 100

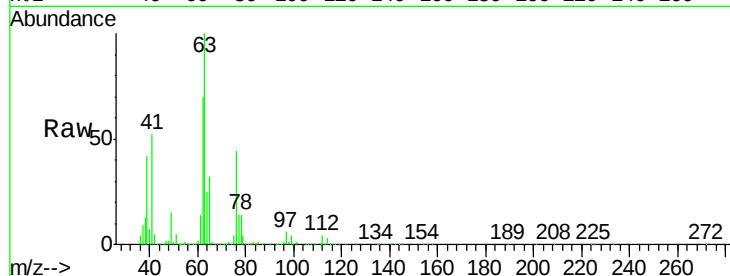
65 31.8 24.2 36.2

Manual Integrations

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2/18/2019 10:39:28 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

120000

100000

80000

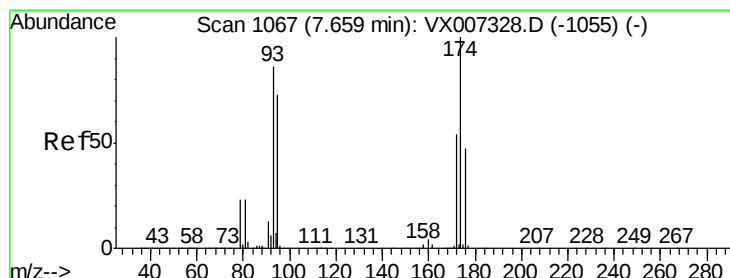
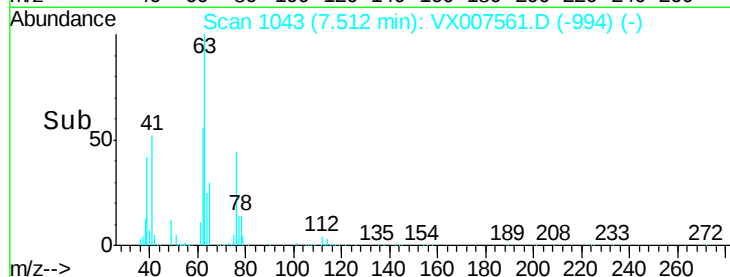
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 46.082 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

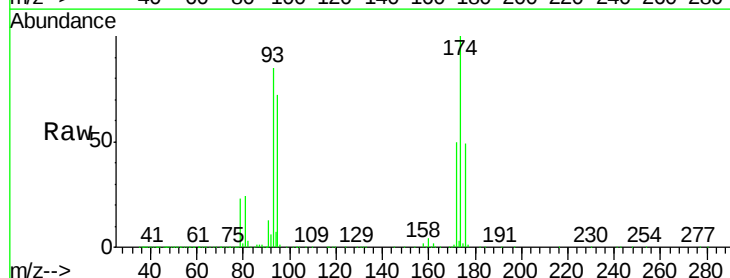
Tgt Ion: 93 Resp: 153952

Ion Ratio Lower Upper

93 100

95 84.0 67.6 101.4

174 116.6 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

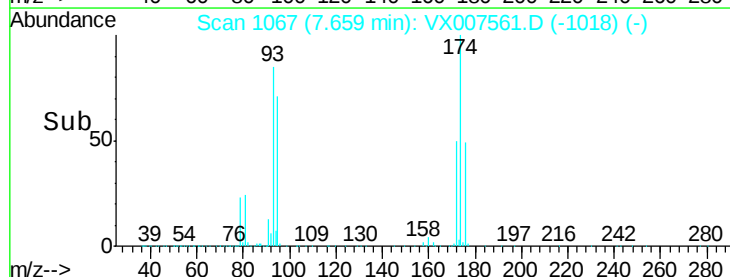
60000

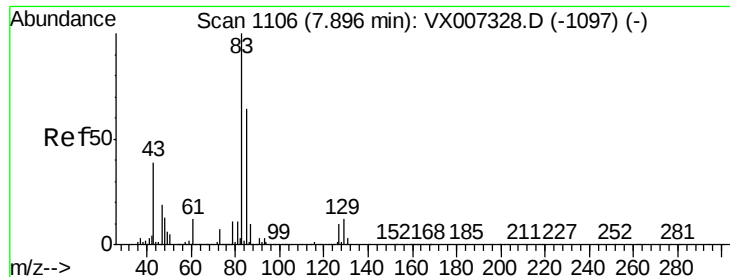
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.515 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

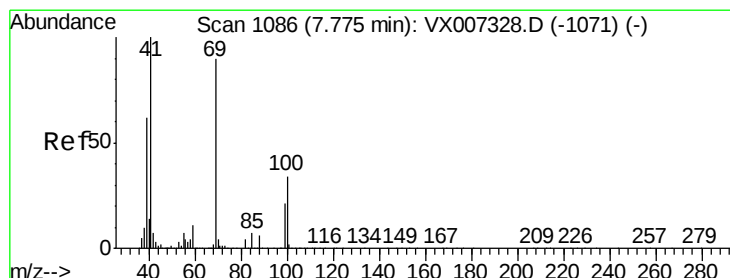
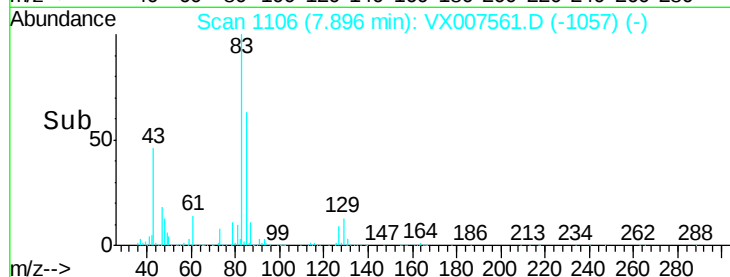
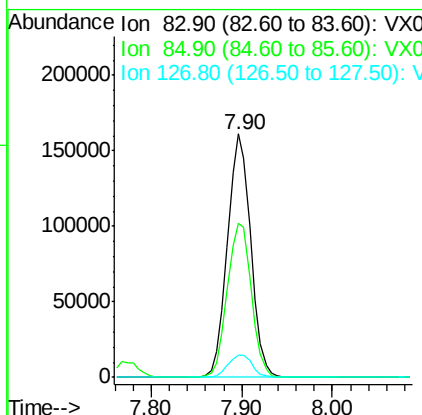
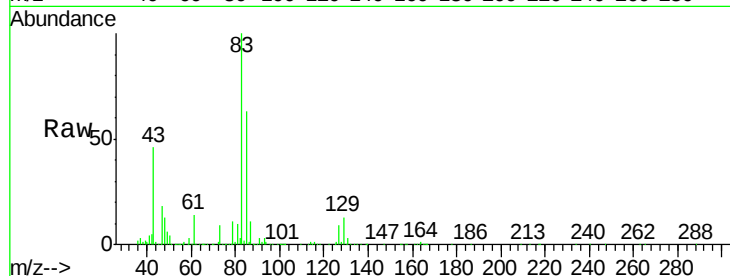
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	286009
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.4	77.0
127	9.2	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.068 ug/l

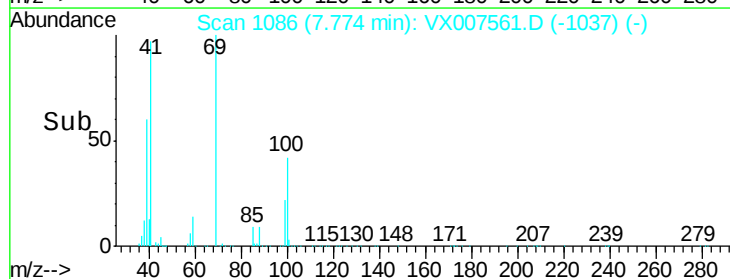
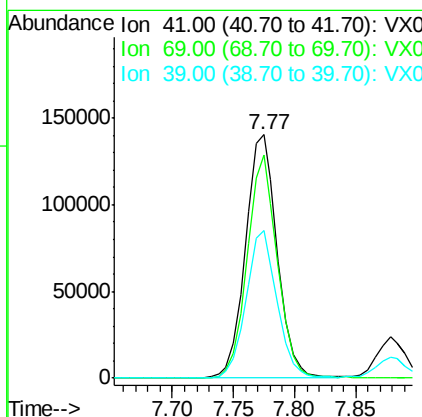
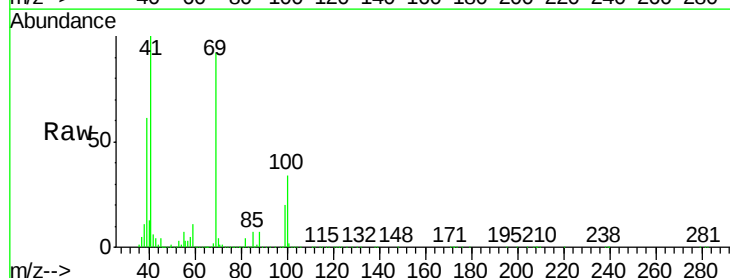
RT: 7.77 min Scan# 1086

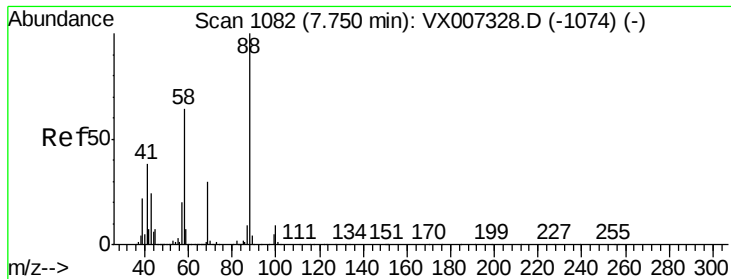
Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	41	Resp:	253083
Ion Ratio	Lower	Upper	
41	100		
69	86.8	70.2	105.4
39	58.4	47.4	71.0





#49

1,4-Dioxane

Concen: 1001.083 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

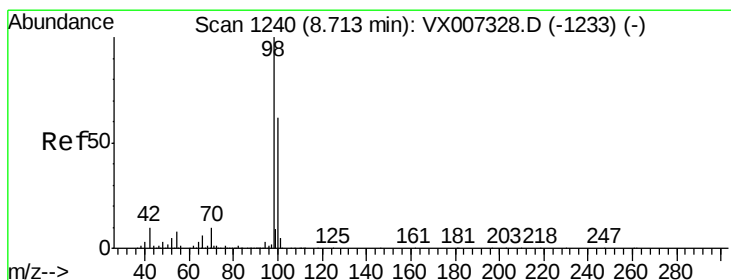
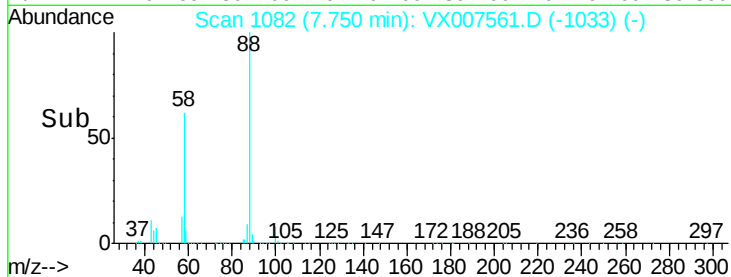
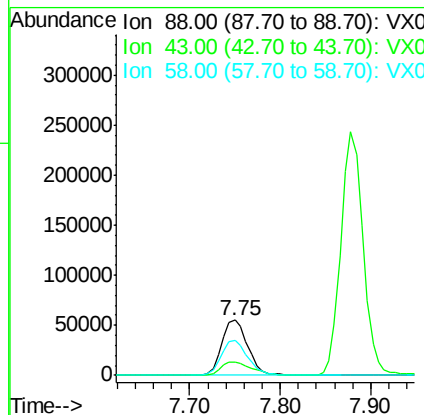
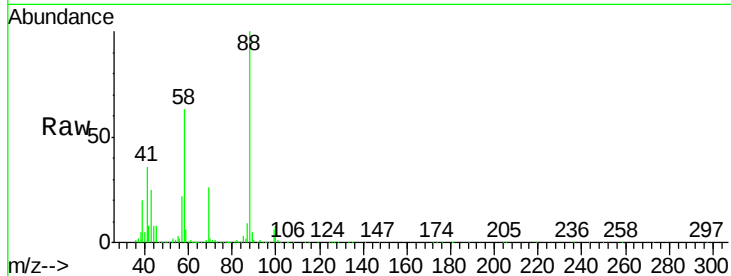
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	110661
Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.2	36.4
58	64.1	53.0	79.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.365 ug/l

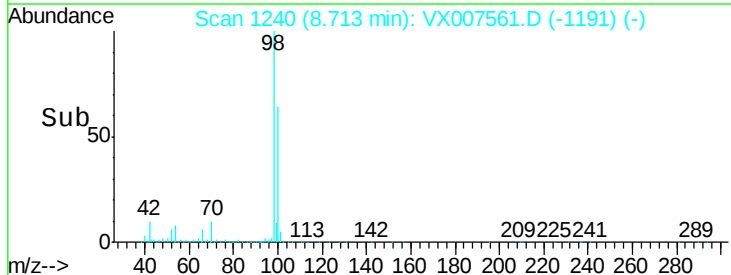
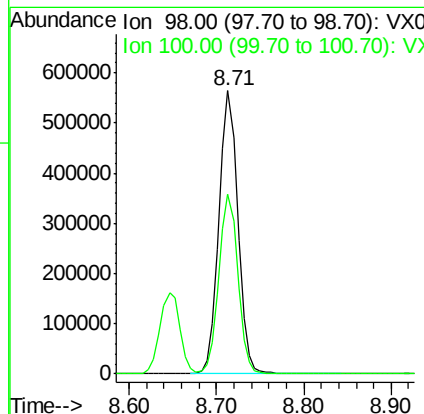
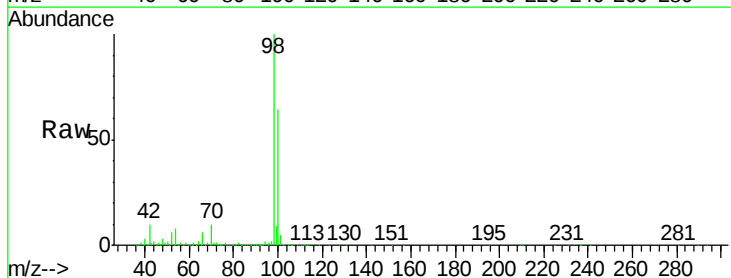
RT: 8.71 min Scan# 1240

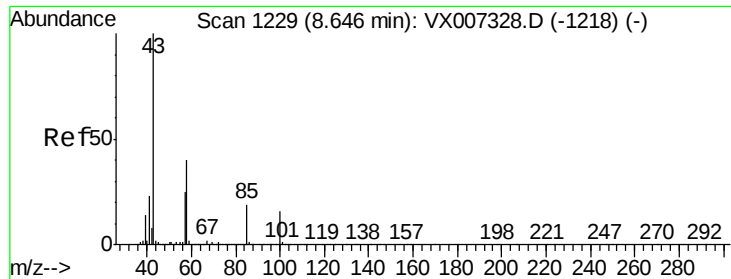
Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	98	Resp:	843947
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 250.252 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1600885

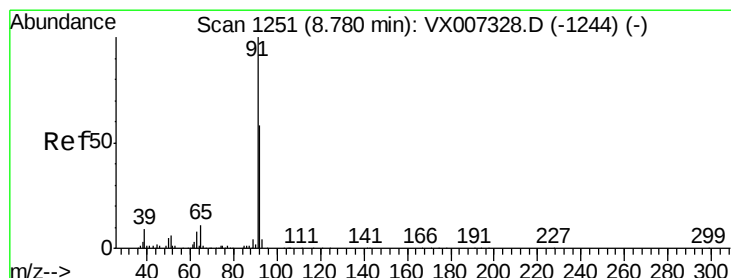
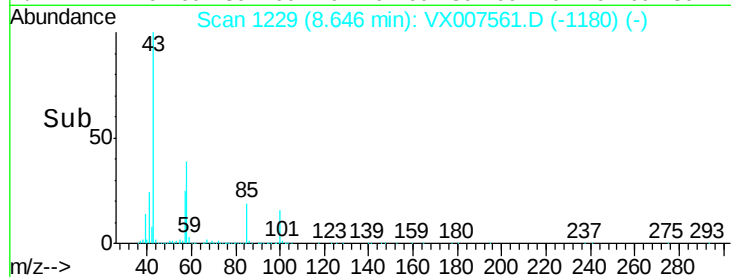
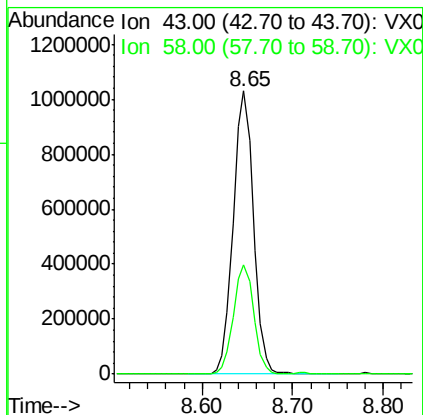
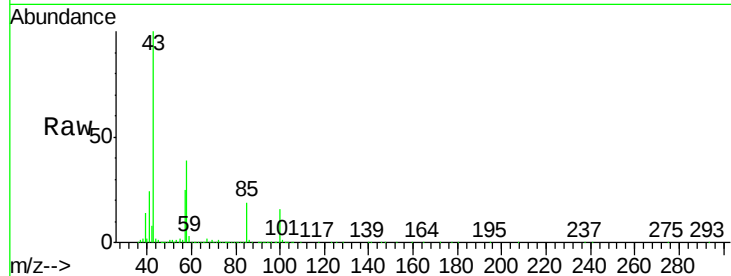
Ion Ratio Lower Upper

43 100

58 38.9 31.2 46.8

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#52

Toluene

Concen: 46.710 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007561.D

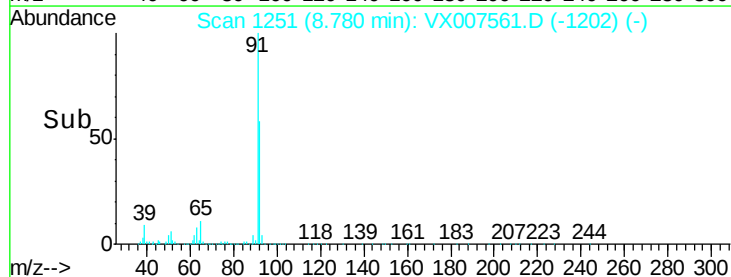
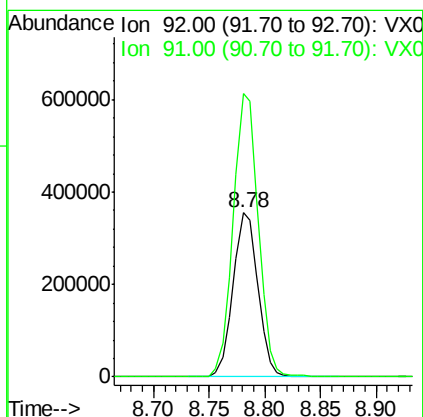
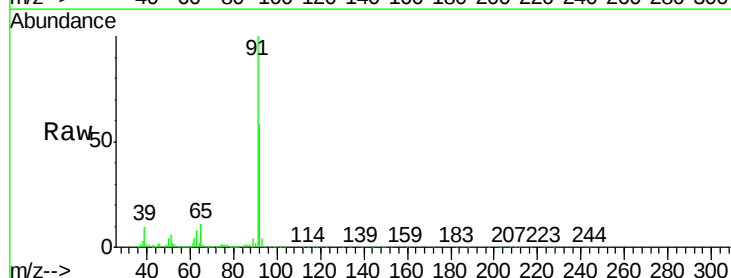
Acq: 15 Feb 2019 11:56

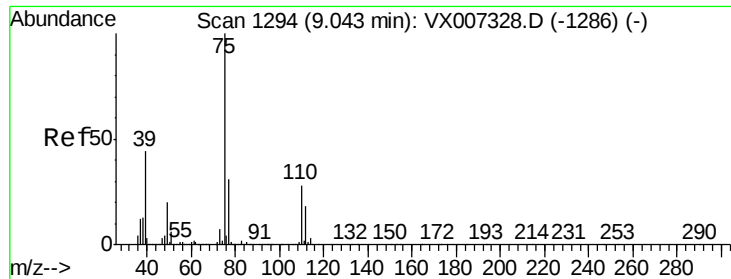
Tgt Ion: 92 Resp: 552877

Ion Ratio Lower Upper

92 100

91 174.3 139.1 208.7





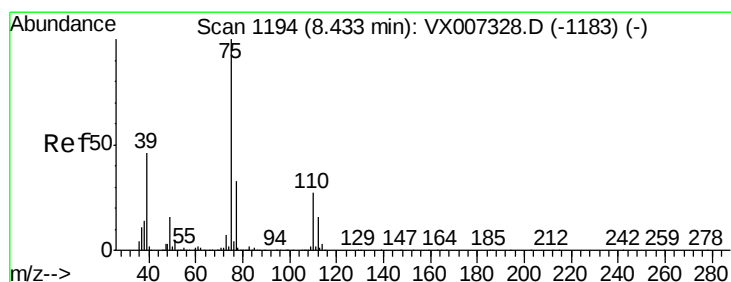
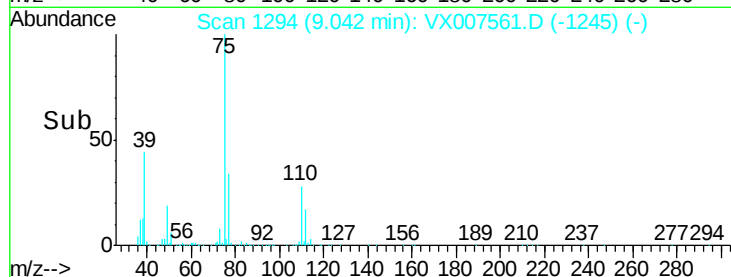
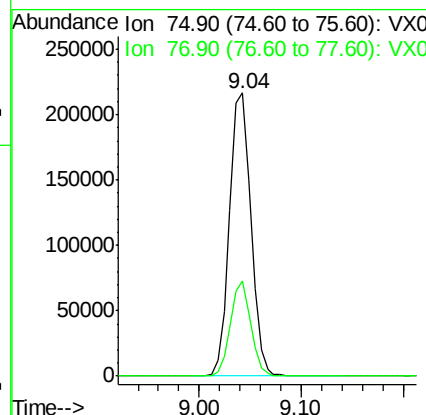
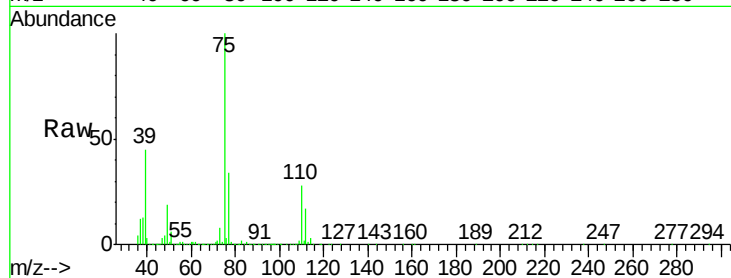
#53
t-1,3-Dichloropropene
Concen: 51.976 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.2	37.8

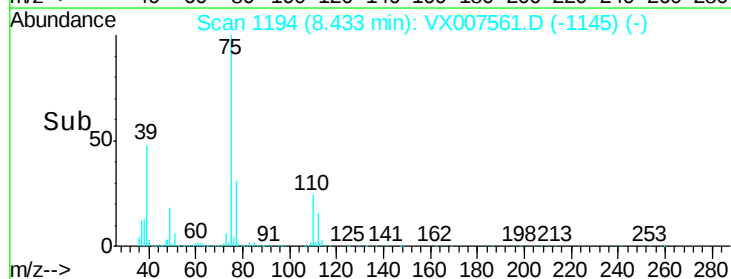
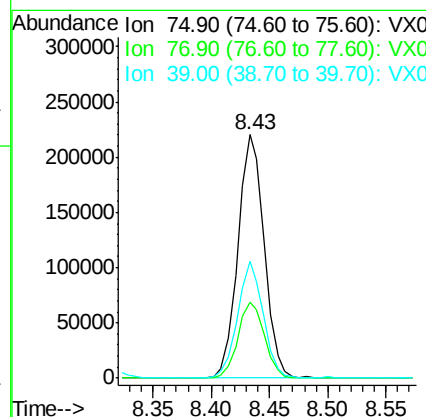
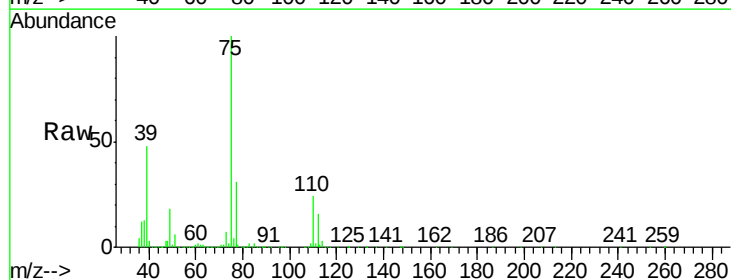
Manual Integrations
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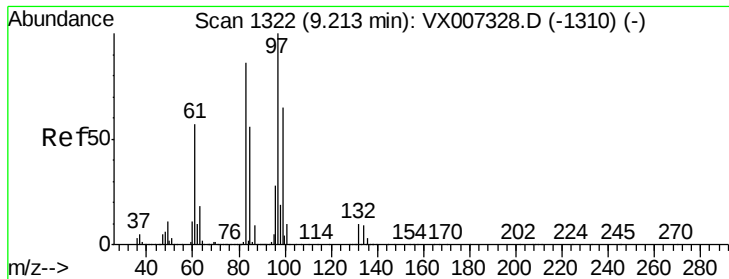
MMDadoda
2/18/2019 10:39:28 AM



#54
cis-1,3-Dichloropropene
Concen: 51.772 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.4
39	48.0	37.1	55.7





#55

1,1,2-Trichloroethane

Concen: 46.914 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

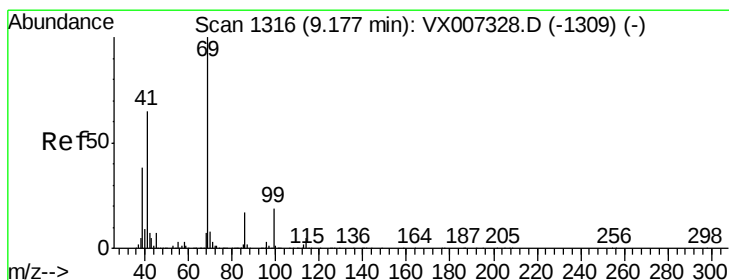
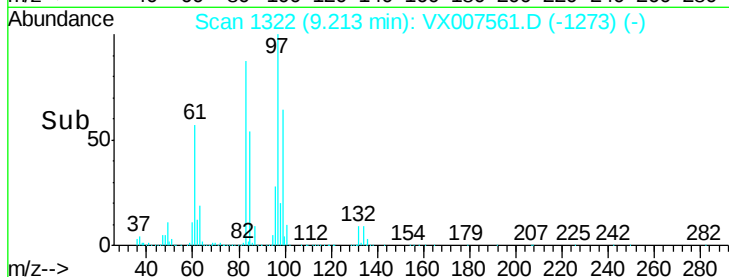
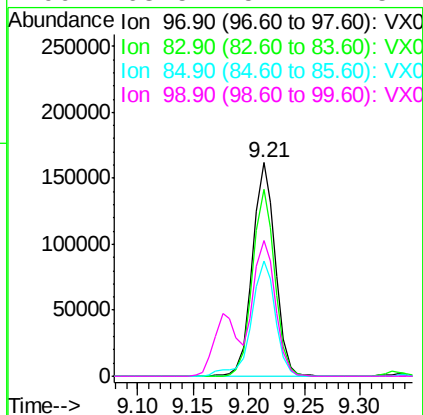
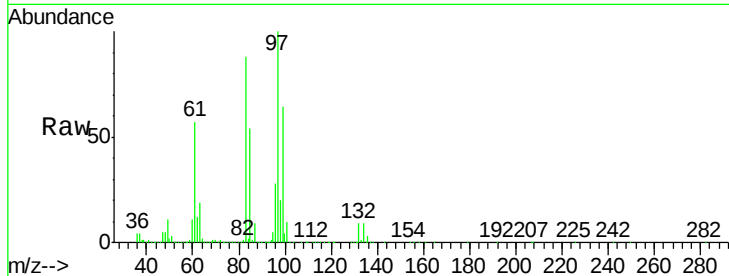
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	231470
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.6	102.8
85	53.8	44.5	66.7
99	63.5	52.2	78.4

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#56

Ethyl methacrylate

Concen: 50.147 ug/l

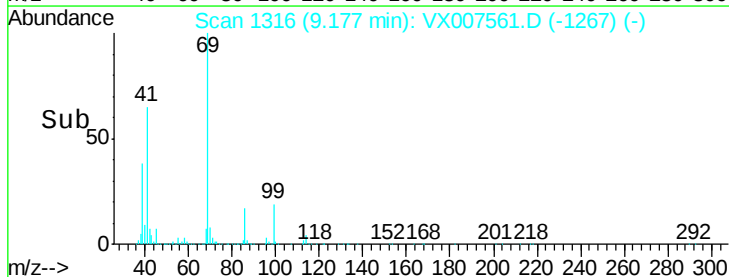
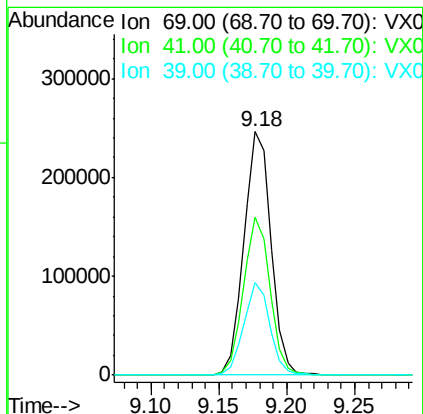
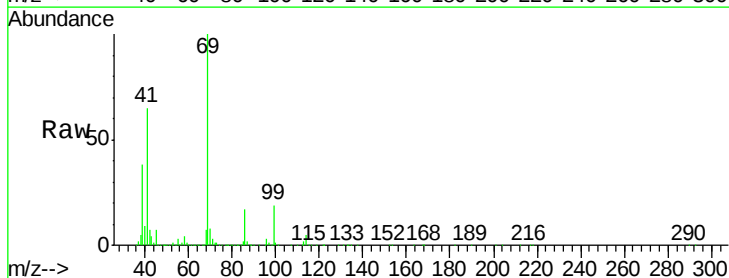
RT: 9.18 min Scan# 1316

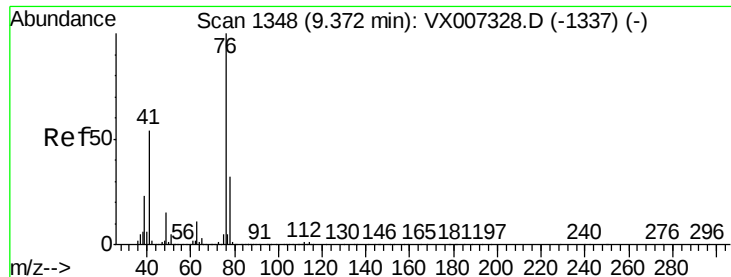
Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	69	Resp:	342682
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.1	78.1
39	36.4	30.1	45.1





#57

1,3-Dichloropropane

Concen: 47.768 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 374808

Ion Ratio Lower Upper

76 100

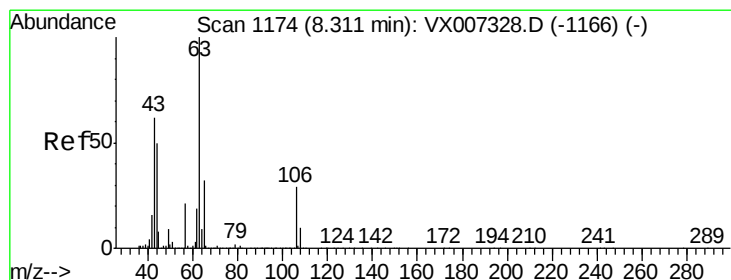
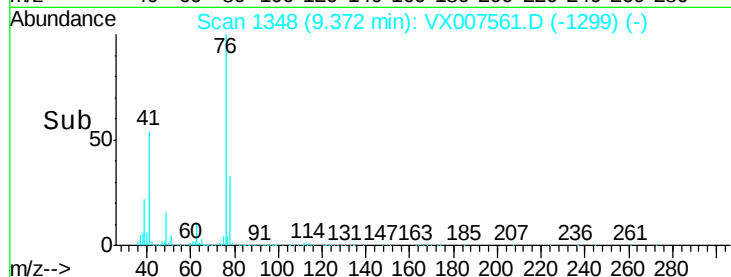
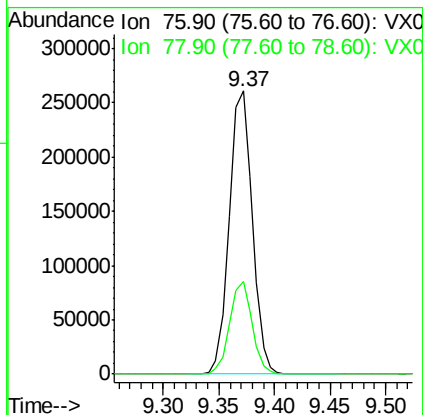
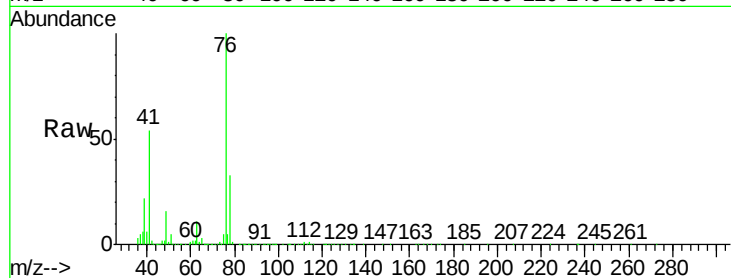
78 32.1 25.8 38.8

Manual Integrations

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2/18/2019 10:39:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 254.723 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007561.D

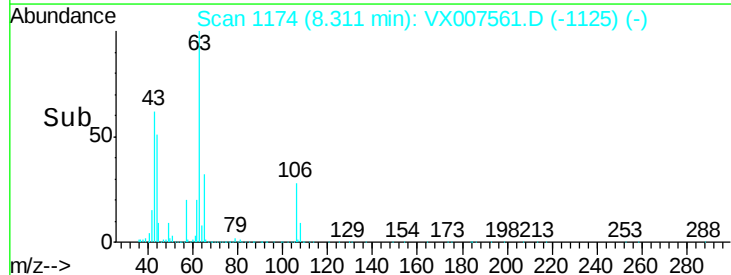
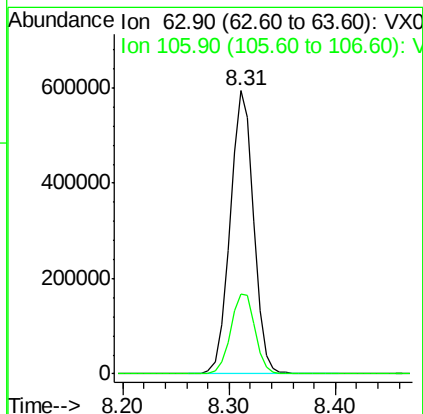
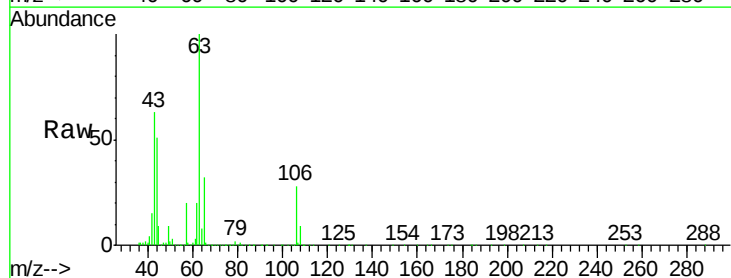
Acq: 15 Feb 2019 11:56

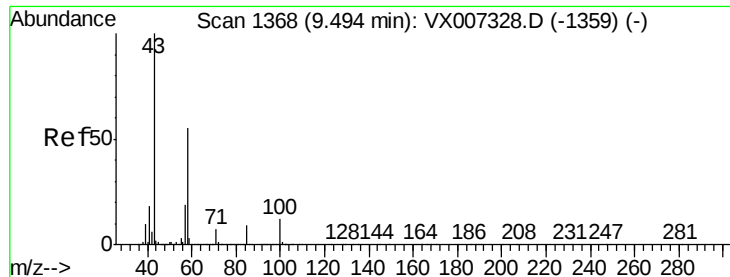
Tgt Ion: 63 Resp: 917476

Ion Ratio Lower Upper

63 100

106 29.5 23.6 35.4





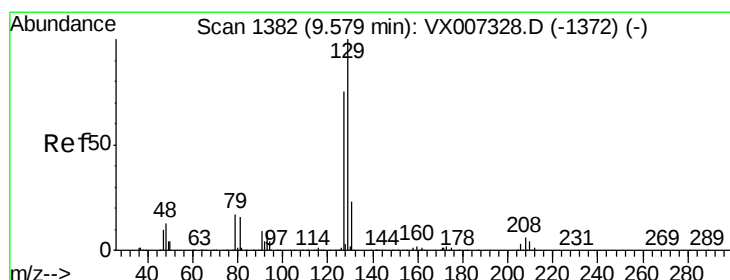
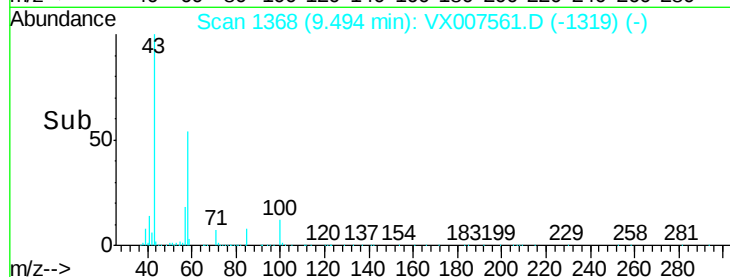
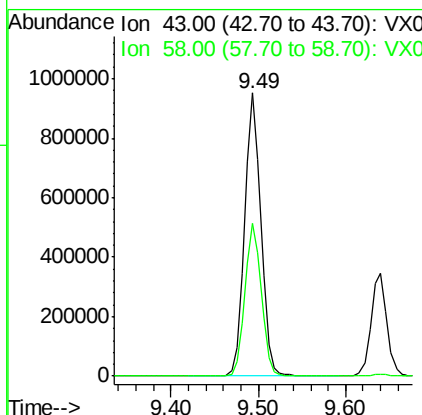
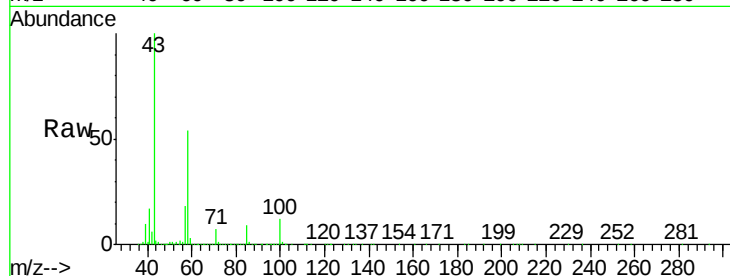
#59
2-Hexanone
Concen: 247.698 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1233041
Ion Ratio Lower Upper
43 100
58 54.6 27.1 81.3

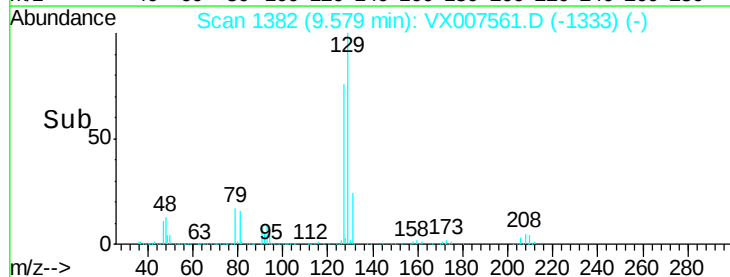
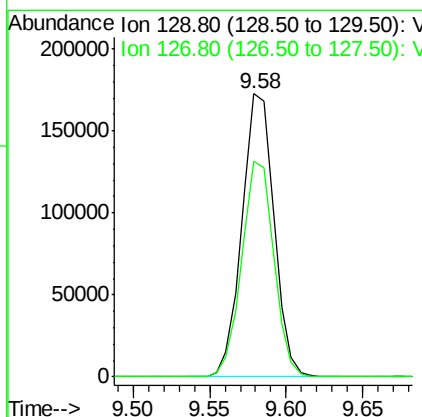
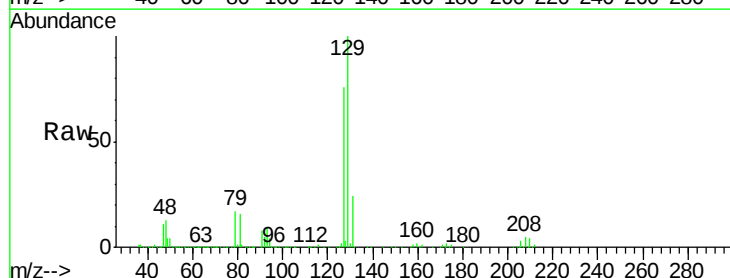
Manual Integrations
APPROVED

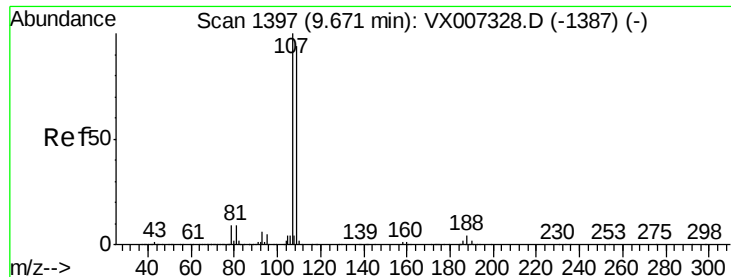
MMDadoda
2/18/2019 10:39:28 AM



#60
Dibromochloromethane
Concen: 54.051 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 129 Resp: 252223
Ion Ratio Lower Upper
129 100
127 76.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 47.977 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 250684

Ion Ratio Lower Upper

107 100

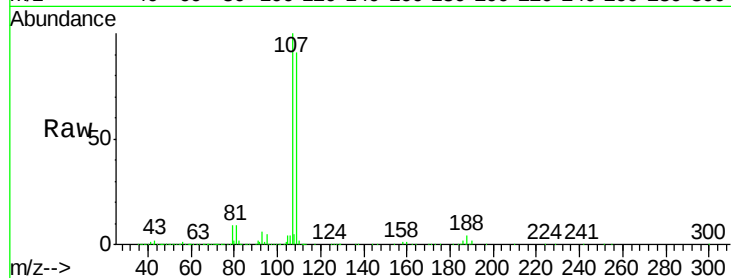
109 94.2 75.1 112.7

Manual Integrations

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2/18/2019 10:39:28 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

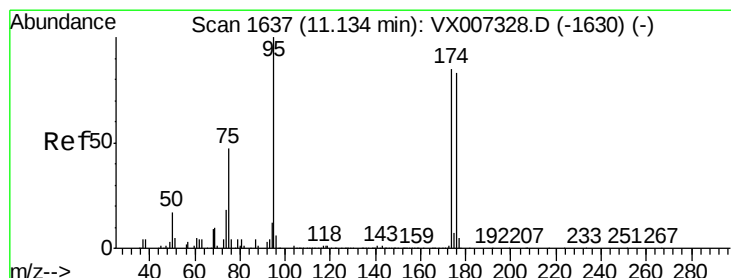
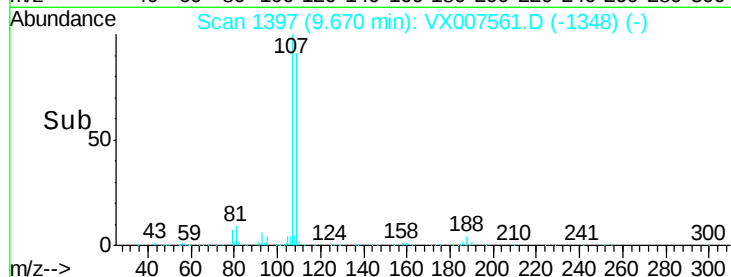
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.308 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

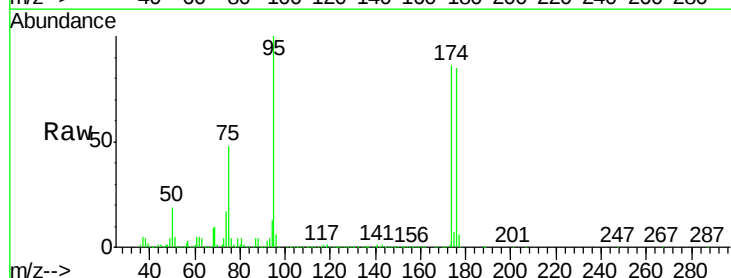
Tgt Ion: 95 Resp: 301662

Ion Ratio Lower Upper

95 100

174 93.8 0.0 189.2

176 92.1 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

300000

250000

200000

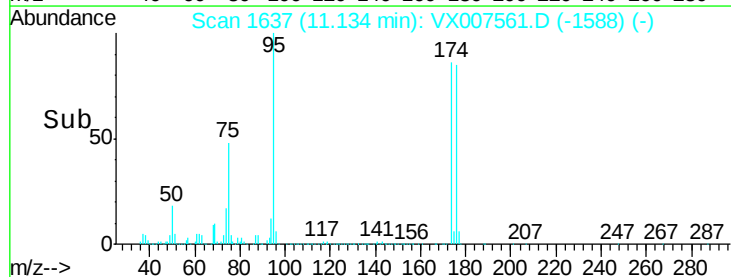
150000

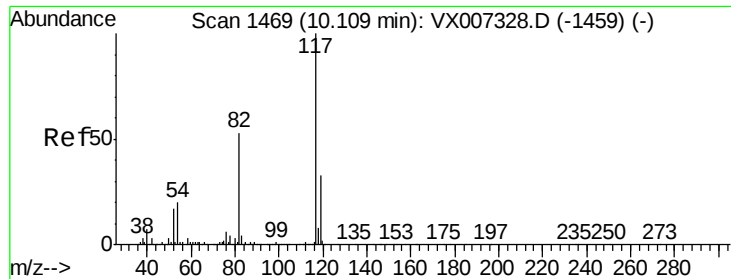
100000

50000

0

Time-->





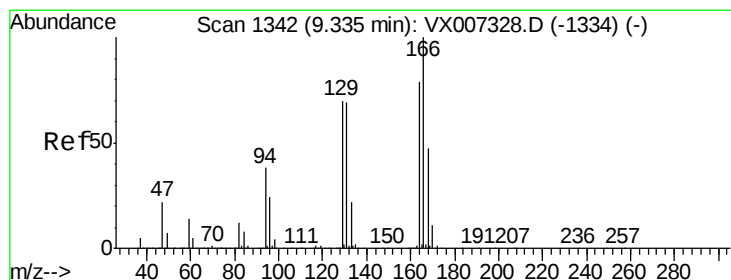
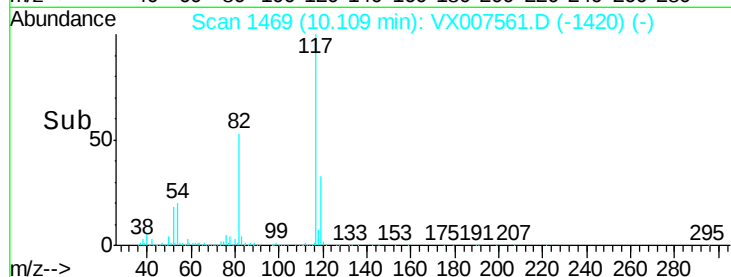
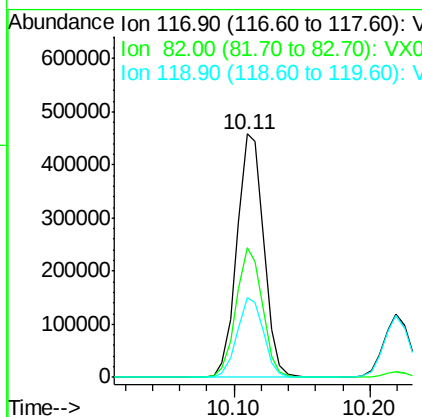
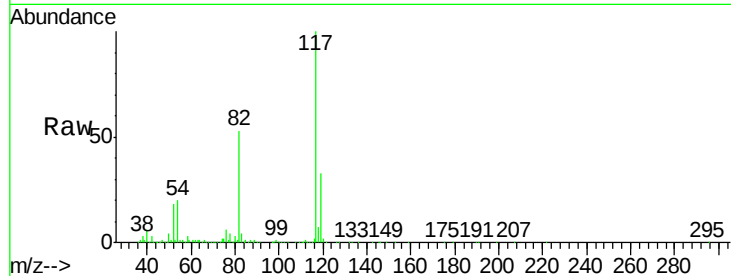
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	625597		
82	53.0		42.1	63.1
119	32.7		26.5	39.7

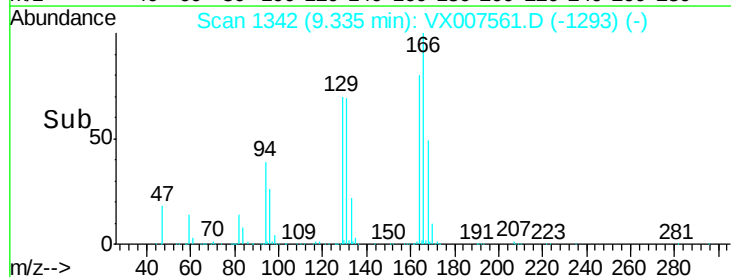
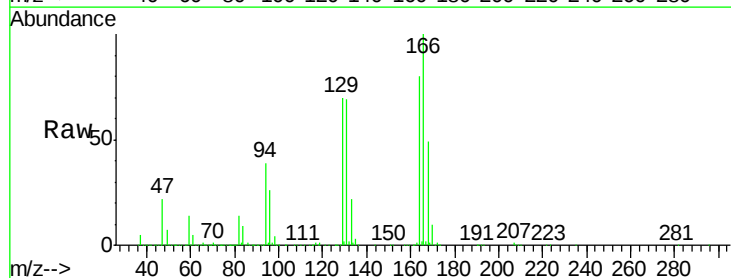
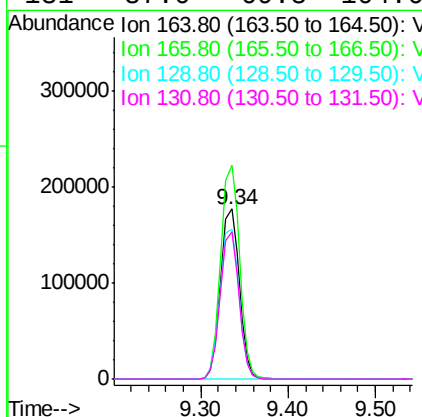
Manual Integrations
APPROVED

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2/18/2019 10:39:28 AM



#64
Tetrachloroethene
Concen: 44.470 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	262212		
166	125.6		101.0	151.4
129	88.4		70.5	105.7
131	87.0		69.8	104.6





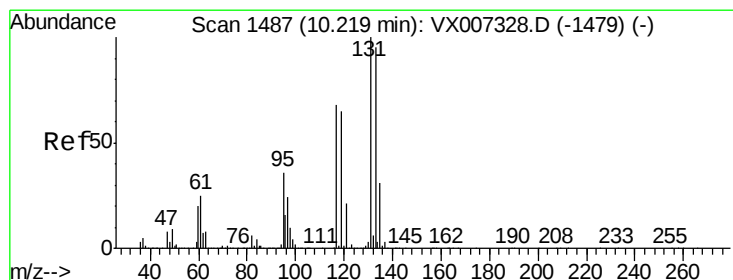
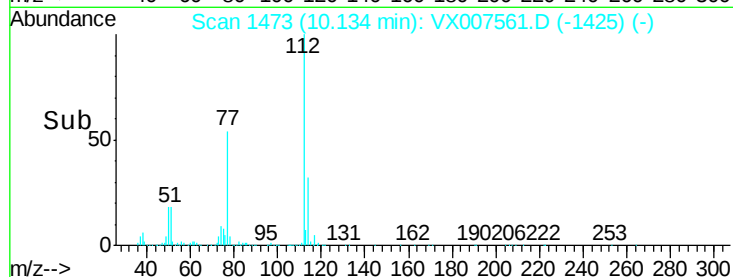
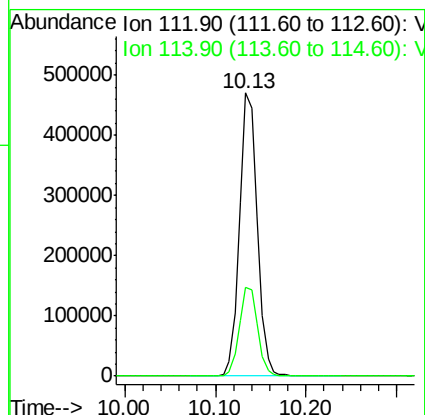
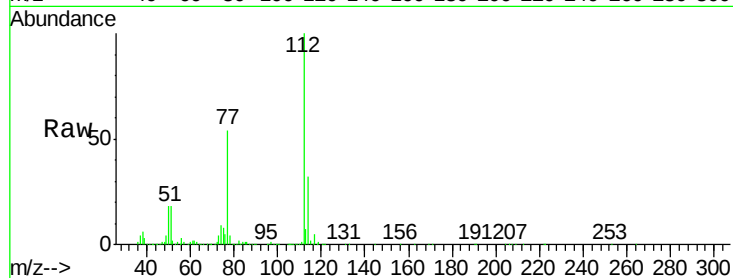
#65
Chlorobenzene
Concen: 46.760 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

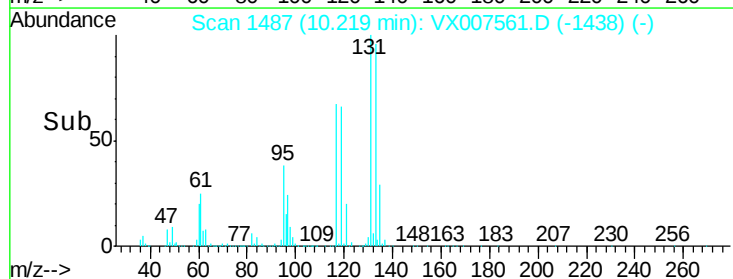
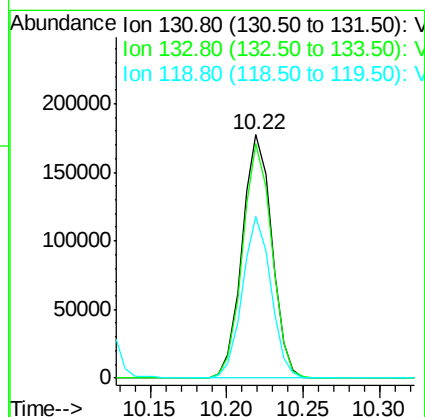
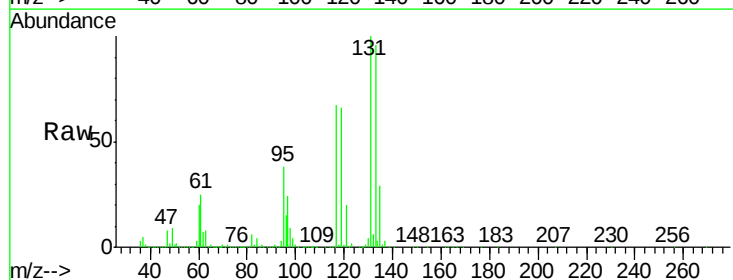
Manual Integrations
APPROVED

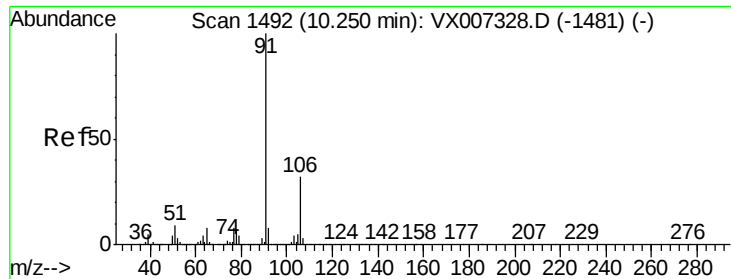
MMDadoda
2/18/2019 10:39:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.273 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.0	144.2
119	63.8	32.0	96.0





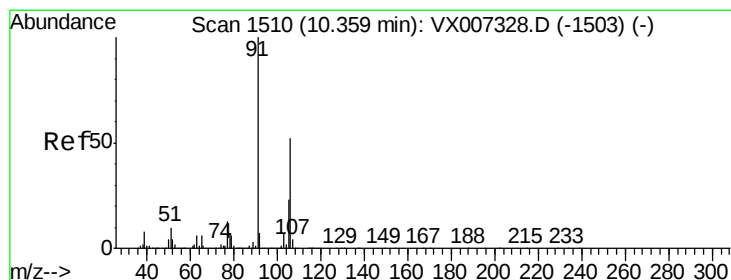
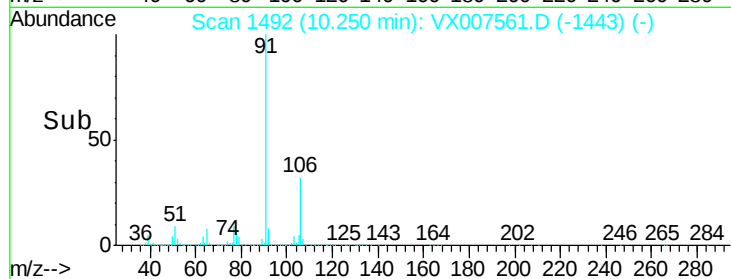
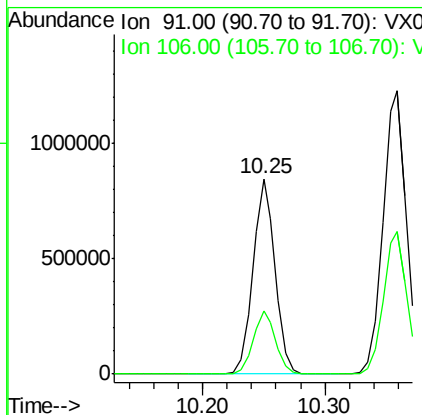
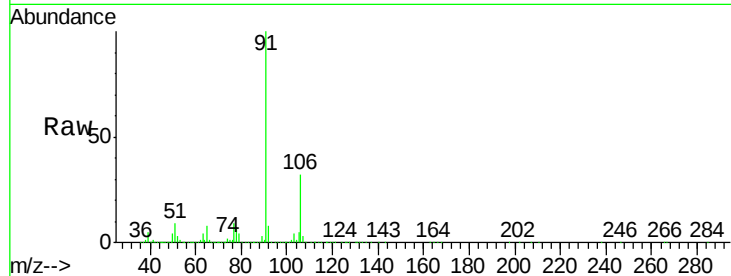
#67
Ethyl Benzene
Concen: 48.382 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1063644
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0

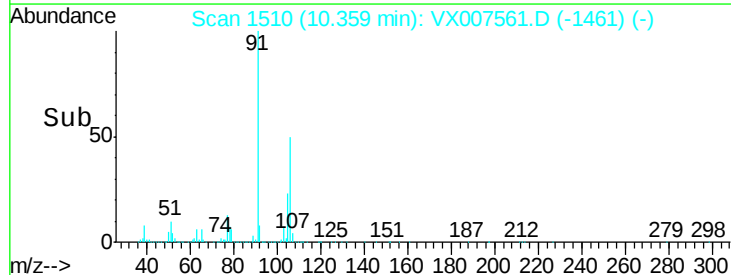
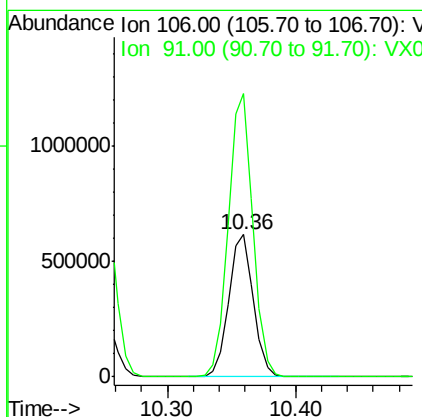
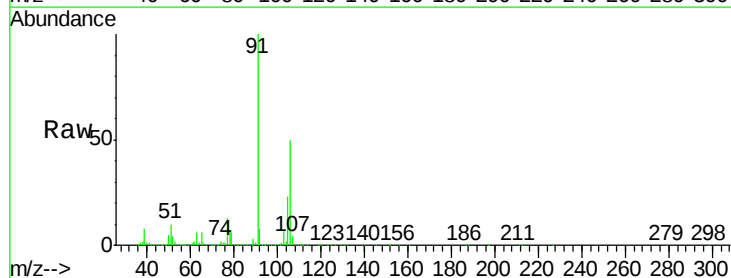
Manual Integrations
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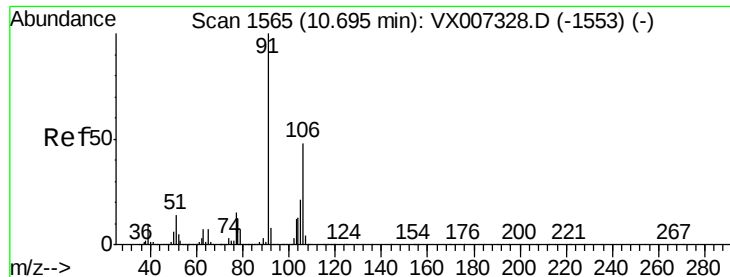
MMDadoda
2/18/2019 10:39:28 AM



#68
m/p-Xylenes
Concen: 94.313 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 106 Resp: 824207
Ion Ratio Lower Upper
106 100
91 199.0 156.6 234.8





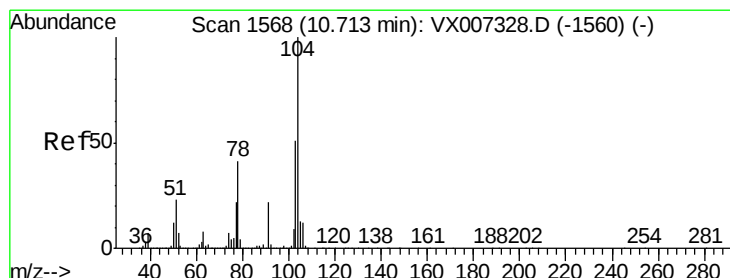
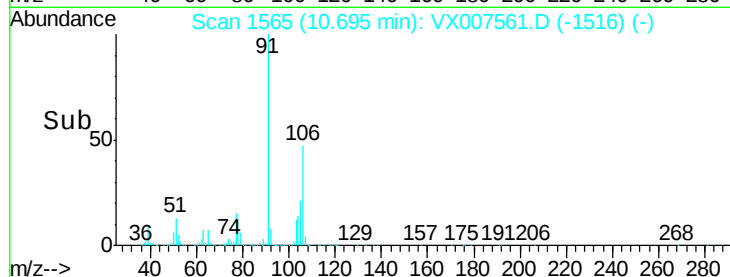
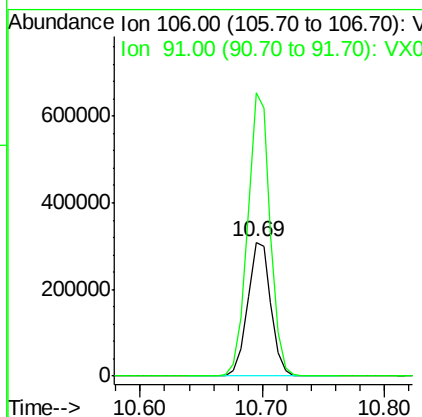
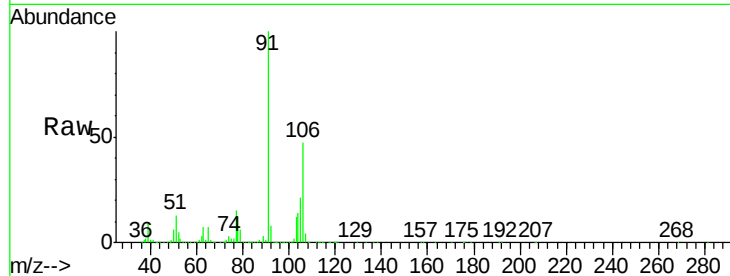
#69
o-Xylene
Concen: 48.201 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.8	102.9	308.7	

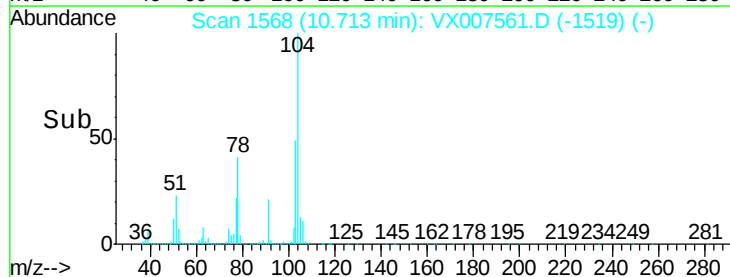
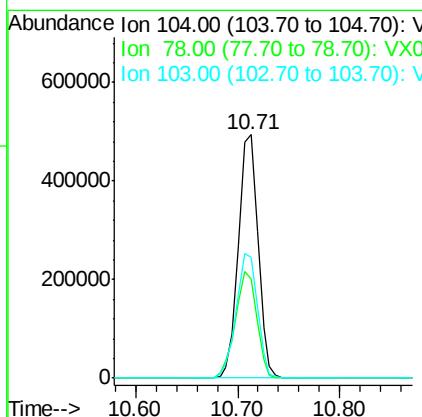
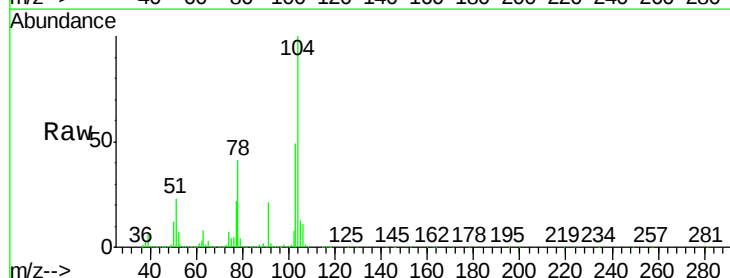
Manual Integrations
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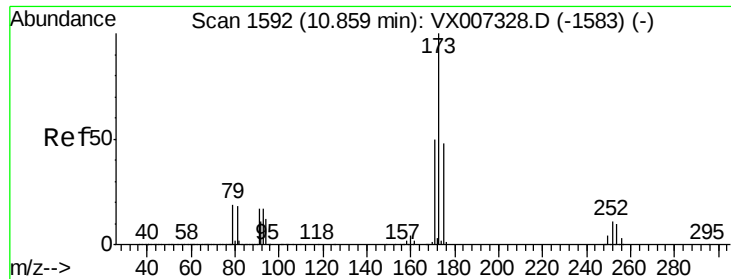
MMDadoda
2/18/2019 10:39:28 AM



#70
Styrene
Concen: 48.129 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.8	38.3	57.5	
103	55.4	44.6	67.0	





#71

Bromoform

Concen: 46.770 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 186617

Ion Ratio Lower Upper

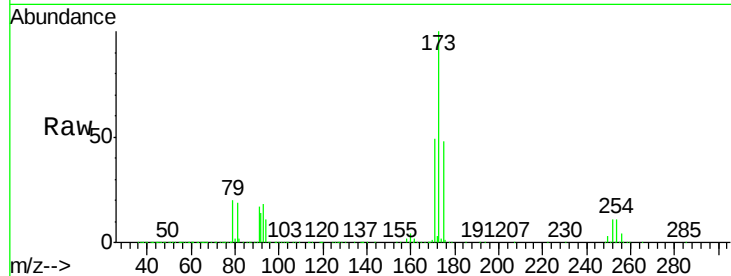
173 100

175 49.7 24.2 72.6

254 0.3 0.2 0.2#

Manual Integrations
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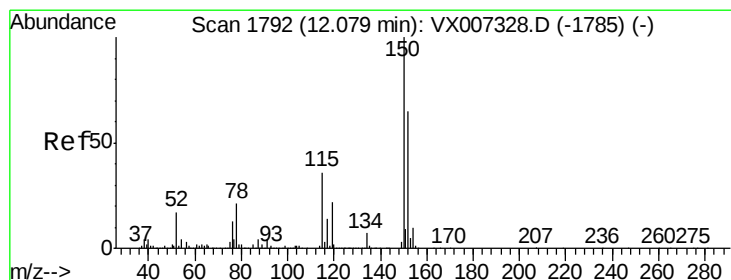
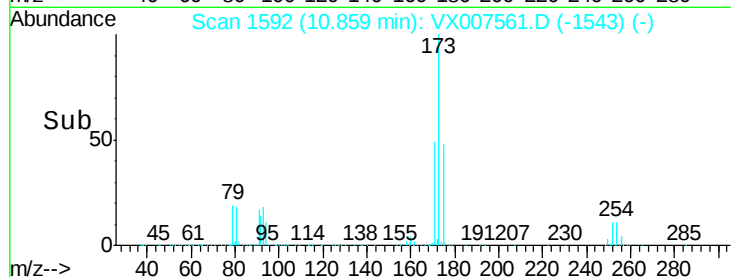
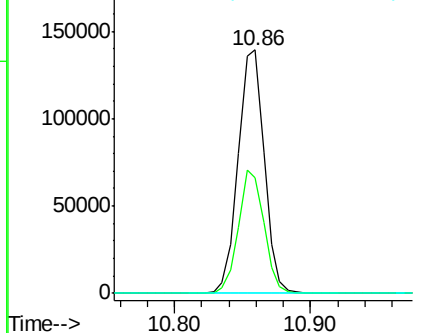
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

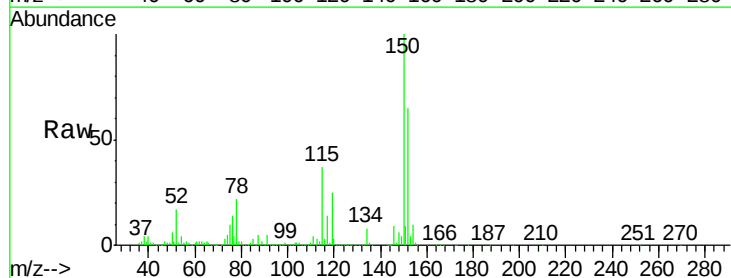
Tgt Ion:152 Resp: 329635

Ion Ratio Lower Upper

152 100

115 78.4 38.0 114.0

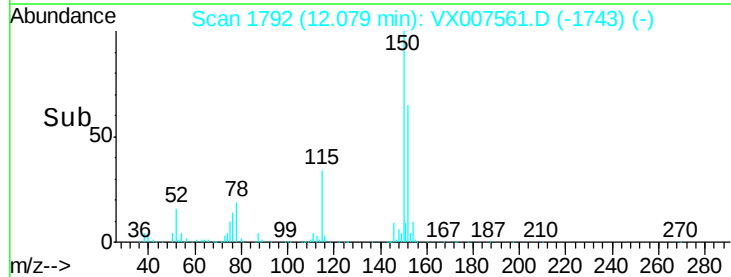
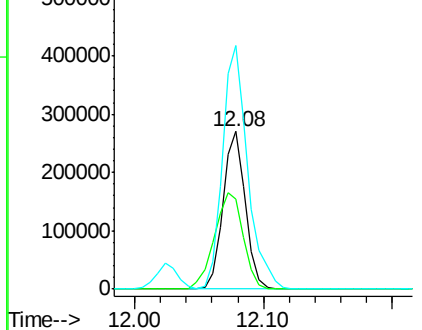
150 173.8 0.0 346.4

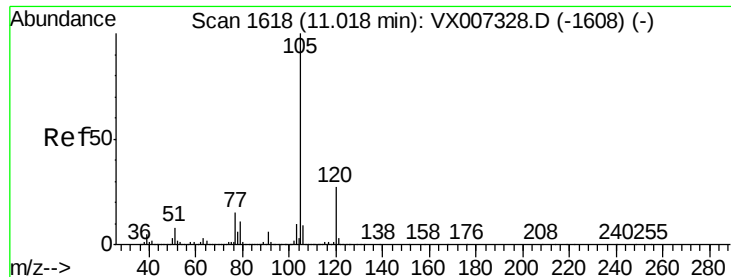


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.034 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1098391

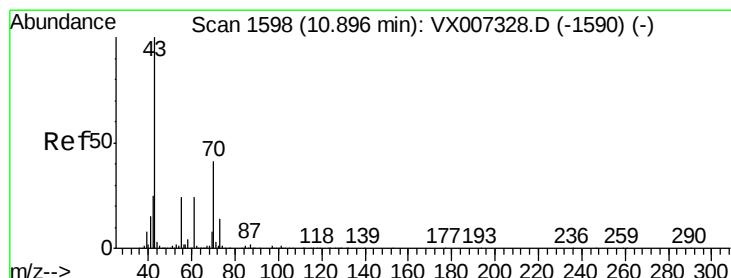
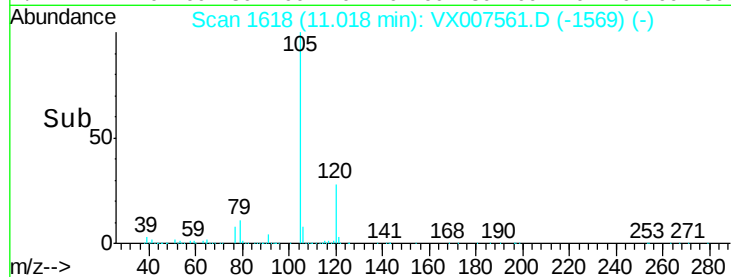
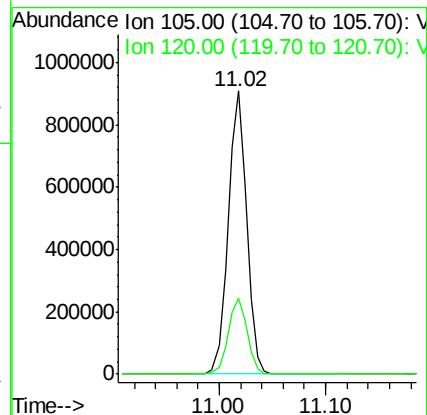
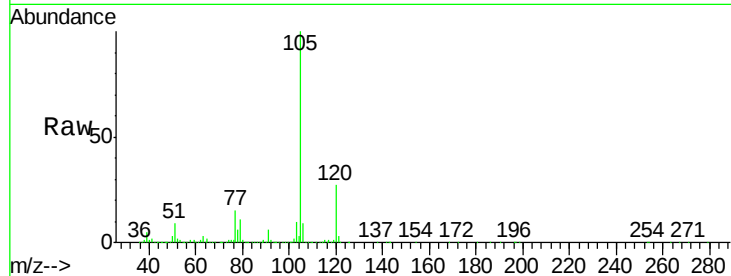
Ion Ratio Lower Upper

105 100

120 27.6 13.6 40.7

Manual Integrations
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2/18/2019 10:39:28 AM



#74

N-ethyl acetate

Concen: 49.536 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion: 43 Resp: 429193

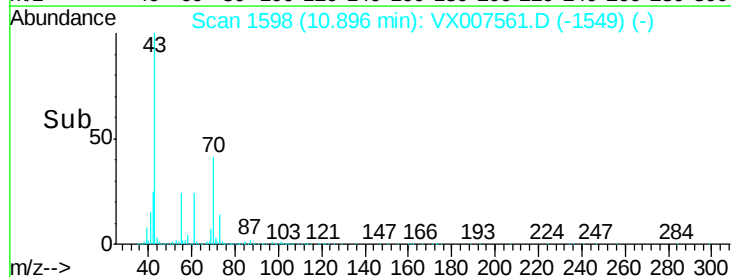
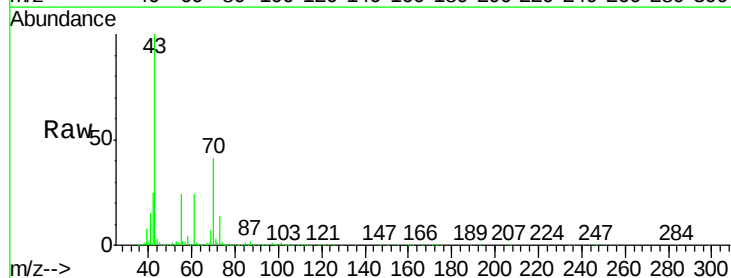
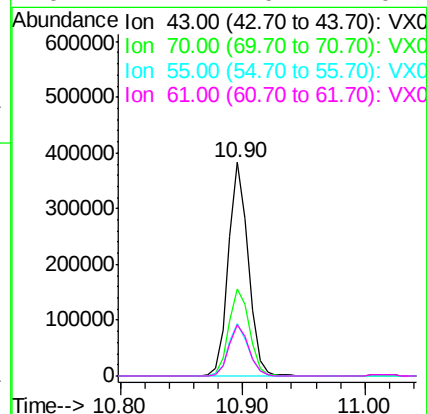
Ion Ratio Lower Upper

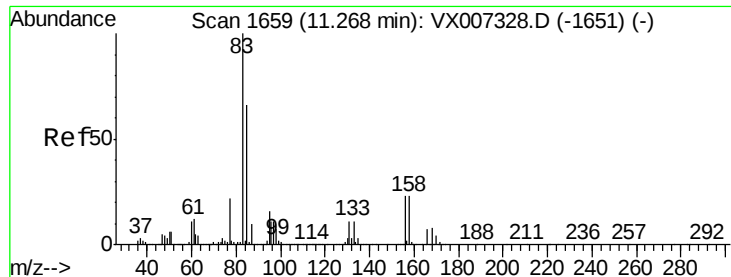
43 100

70 42.9 33.8 50.6

55 24.4 19.5 29.3

61 24.1 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.093 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

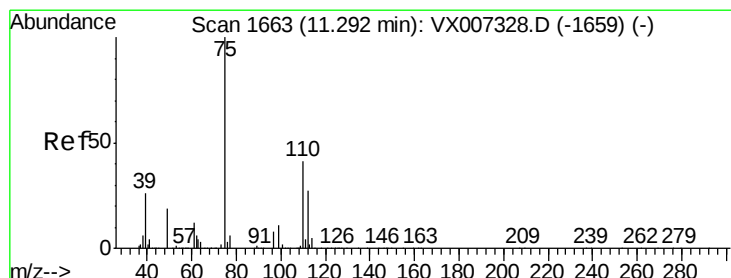
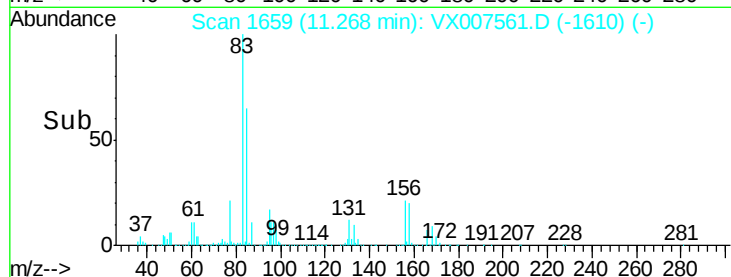
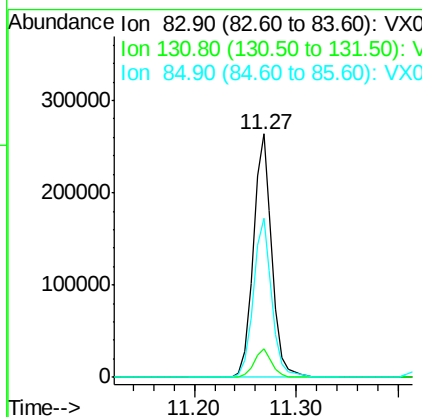
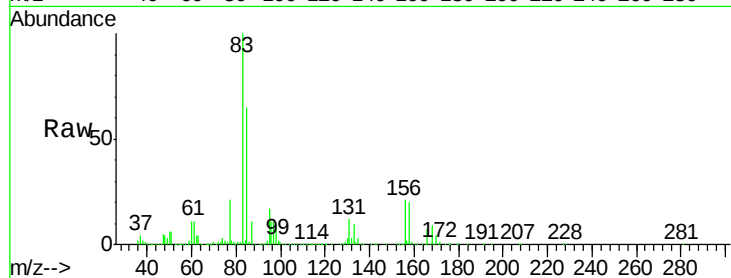
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	335148
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	64.8	32.8	98.3

Manual Integrations
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2/18/2019 10:39:28 AM



#76

1,2,3-Trichloropropane

Concen: 51.198 ug/l m

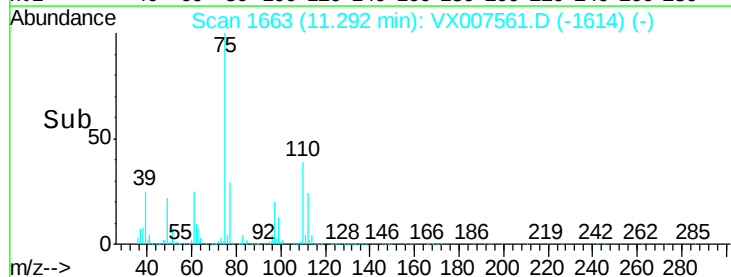
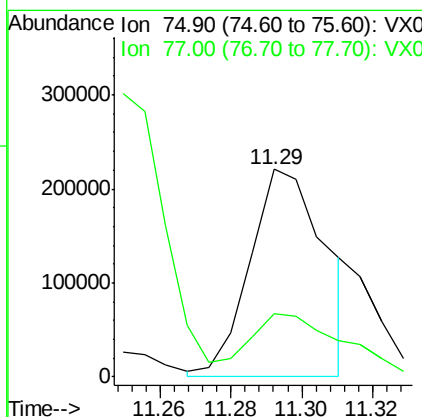
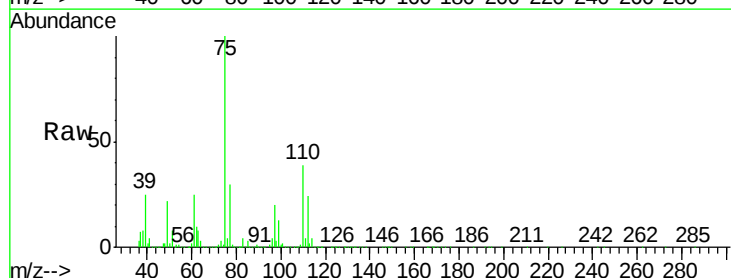
RT: 11.29 min Scan# 1663

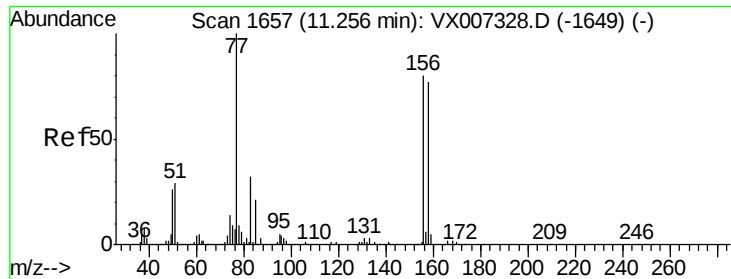
Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	75	Resp:	328270
Ion Ratio	Lower	Upper	
75	100		
77	38.4	23.0	69.0





#77

Bromobenzene

Concen: 46.047 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

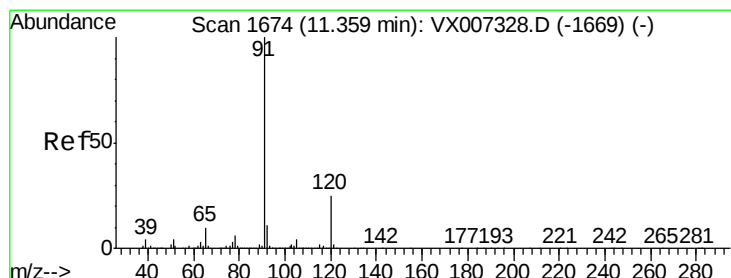
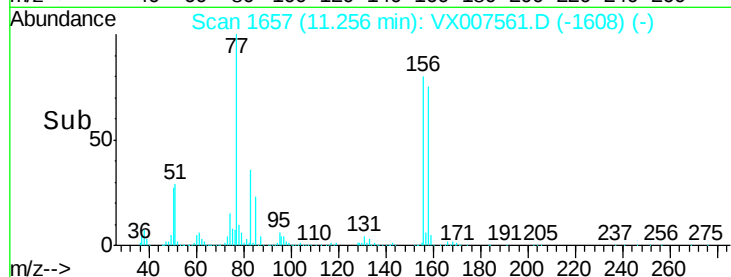
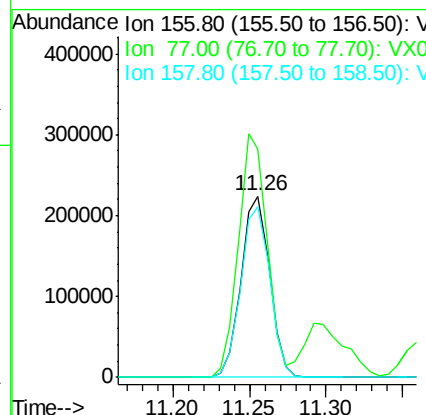
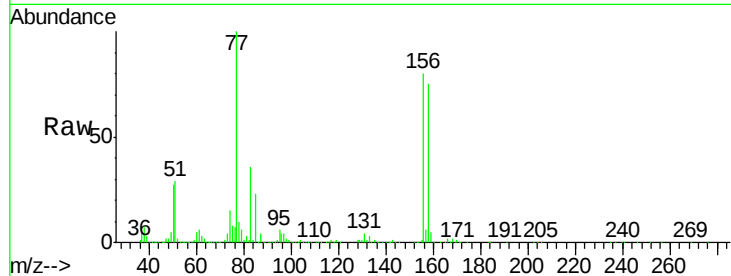
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	290626
Ion Ratio	Lower	Upper	
156	100		
77	135.1	66.8	200.6
158	96.3	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 50.223 ug/l

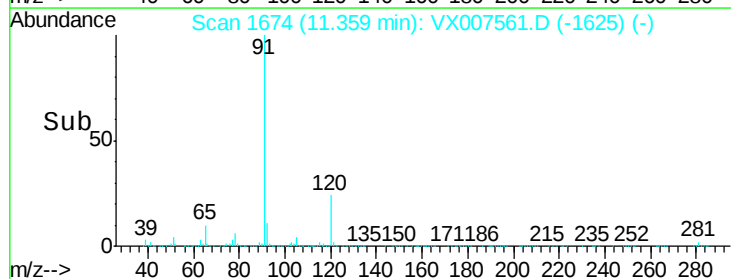
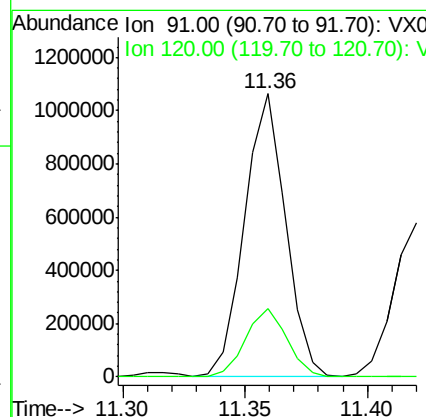
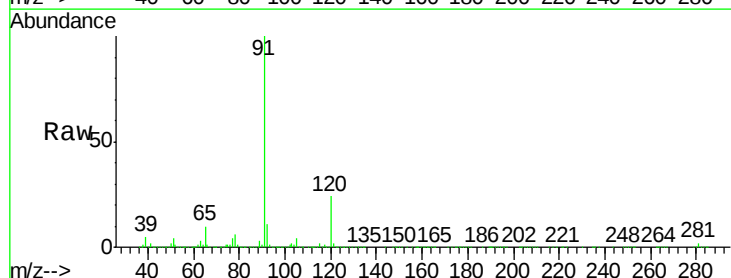
RT: 11.36 min Scan# 1674

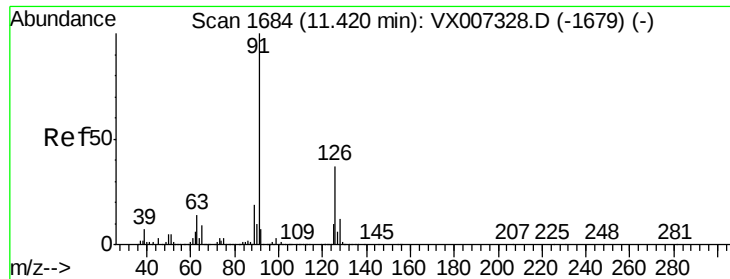
Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	91	Resp:	1233649
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.4	37.2





#79

2-Chlorotoluene

Concen: 47.651 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 710213

Ion Ratio Lower Upper

91 100

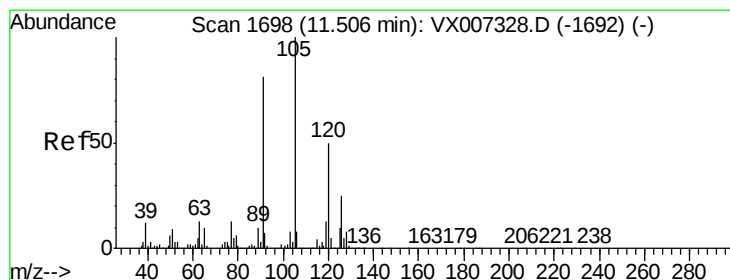
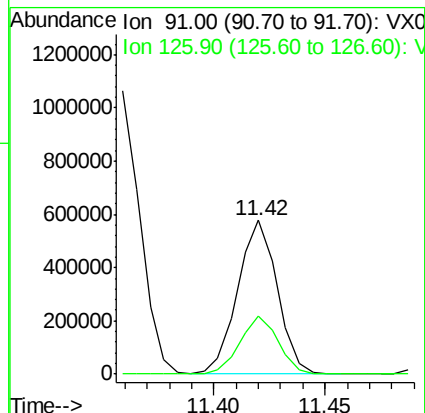
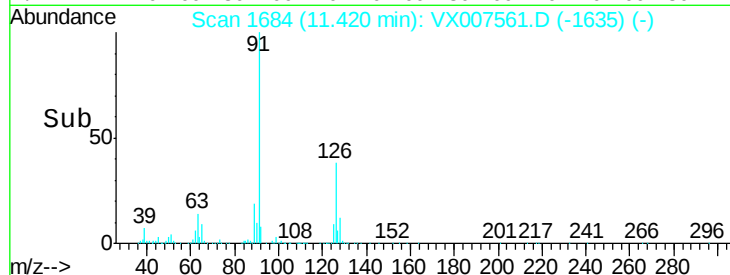
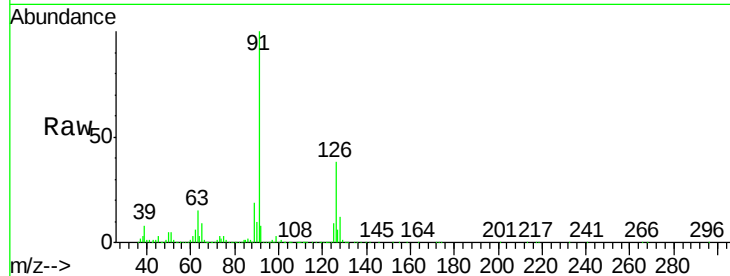
126 37.0 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.024 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007561.D

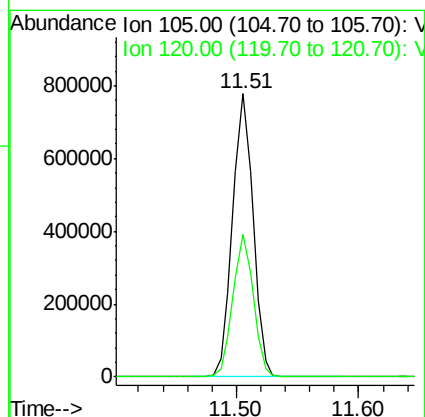
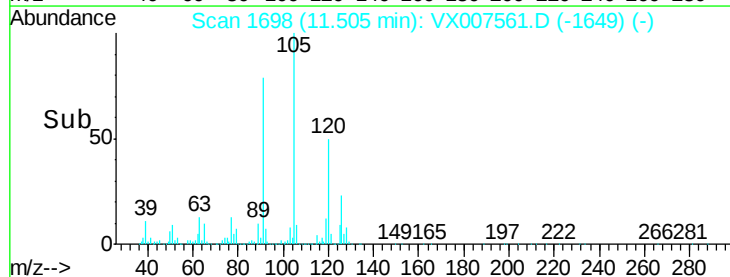
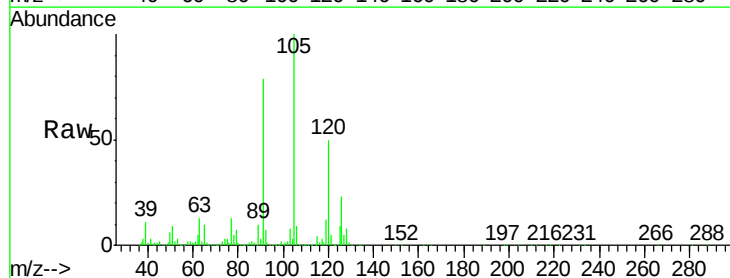
Acq: 15 Feb 2019 11:56

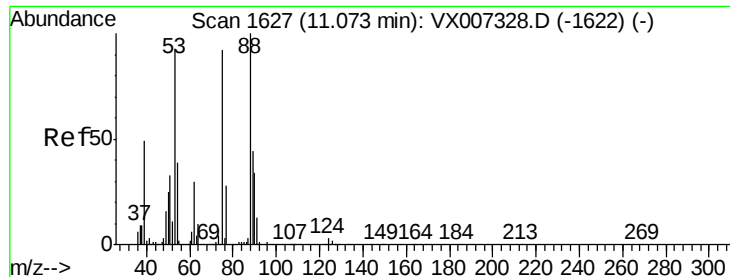
Tgt Ion: 105 Resp: 898431

Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.936 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

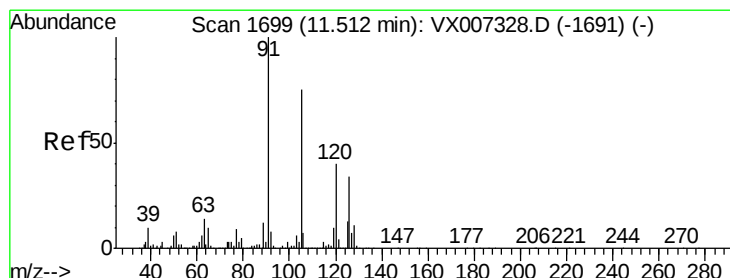
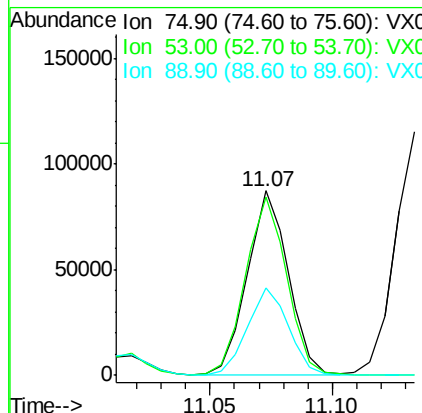
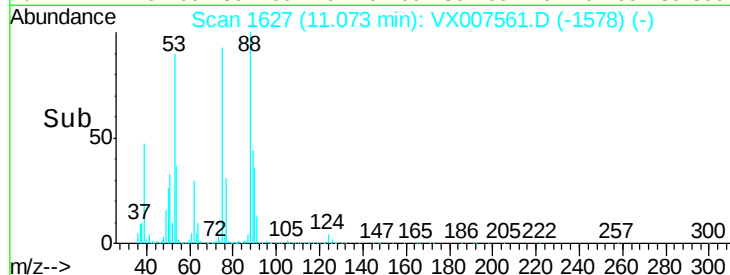
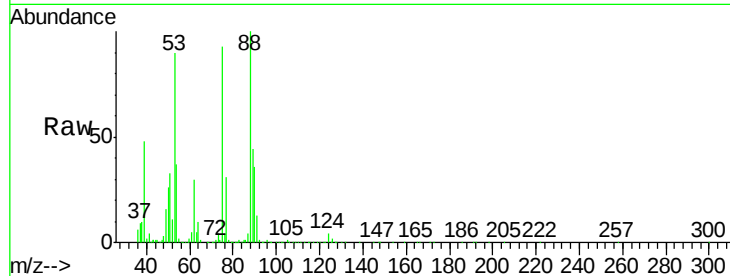
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	101309
Ion	Ratio	Lower	Upper
75	100		
53	97.7	81.0	121.6
89	47.7	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.509 ug/l

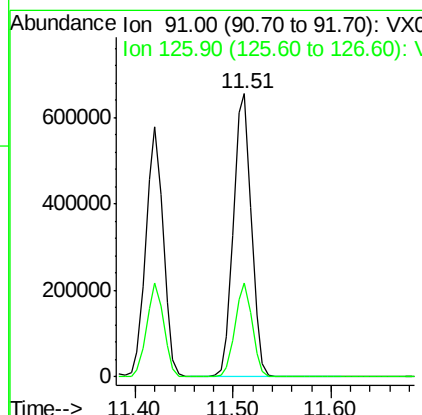
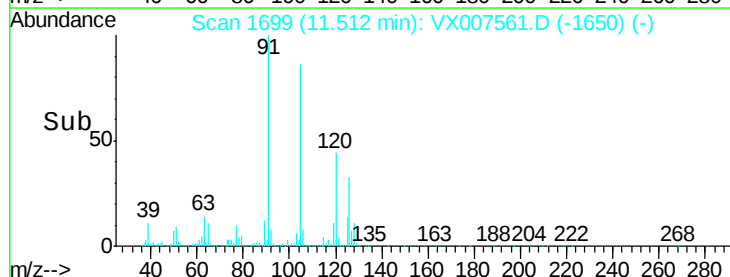
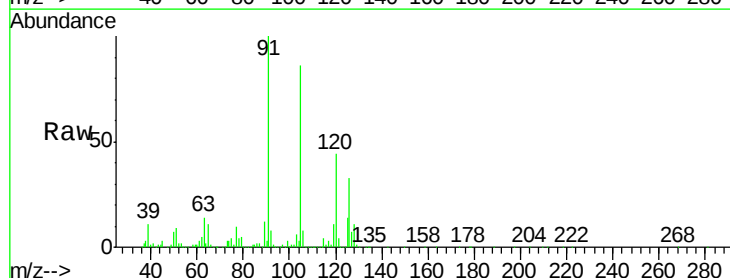
RT: 11.51 min Scan# 1699

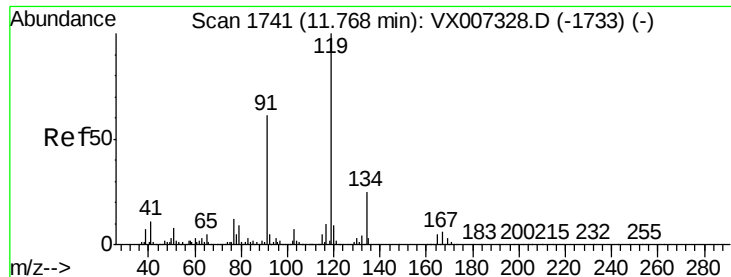
Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	91	Resp:	836602
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.2	48.5





#83

tert-Butylbenzene

Concen: 49.464 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

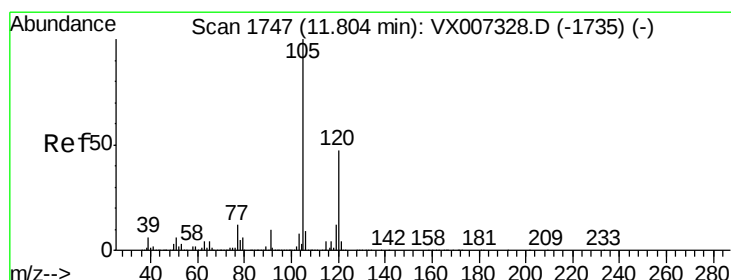
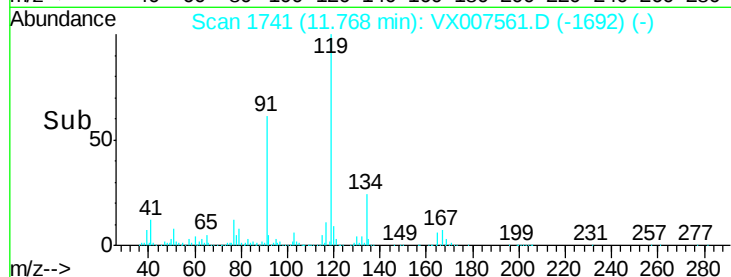
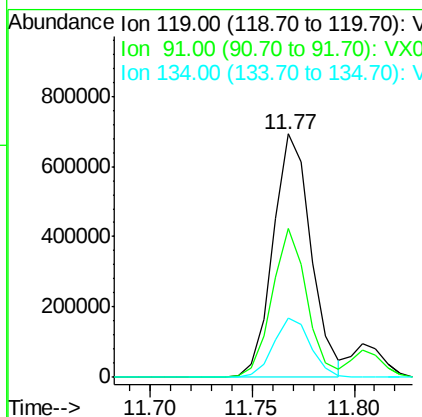
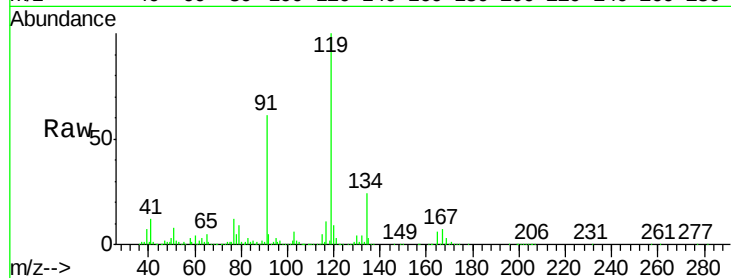
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	897489
Ion Ratio		Lower	Upper
119	100		
91	56.2	28.5	85.6
134	24.0	12.0	36.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.232 ug/l

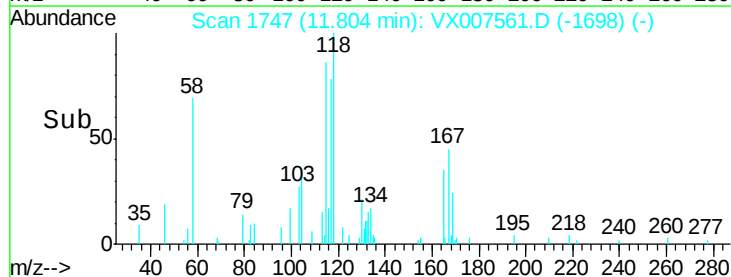
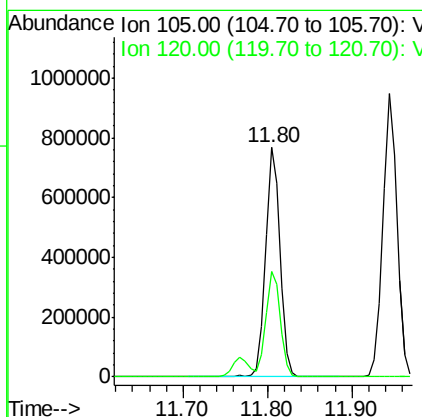
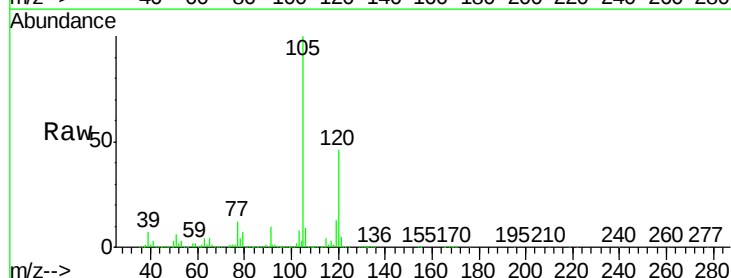
RT: 11.80 min Scan# 1747

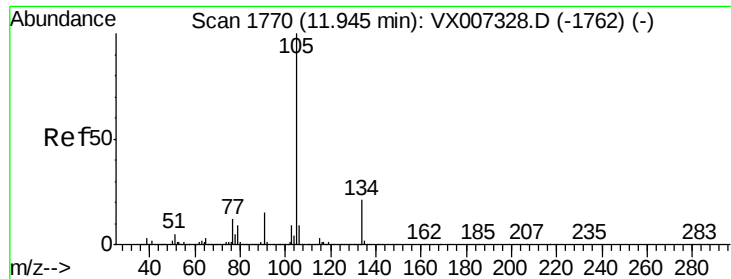
Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	105	Resp:	915994
Ion Ratio		Lower	Upper
105	100		
120	45.8	23.1	69.3





#85

sec-Butylbenzene

Concen: 50.736 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1114168

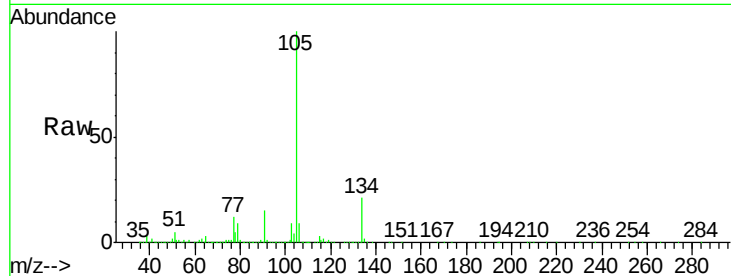
Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8

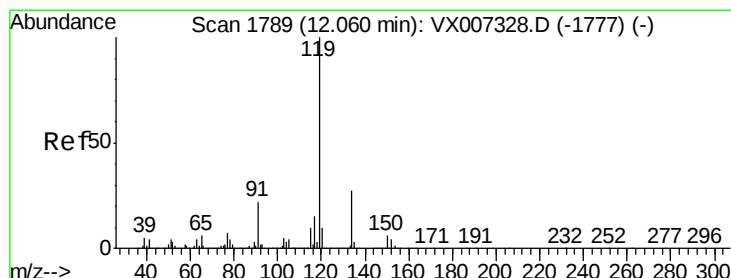
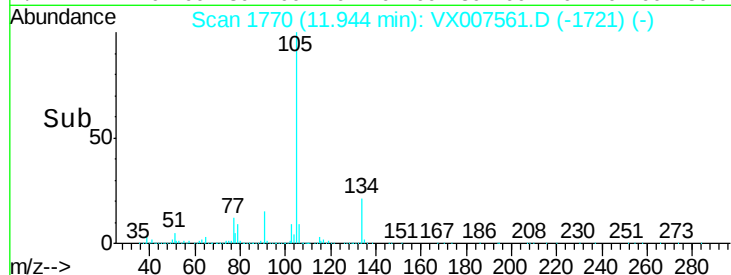
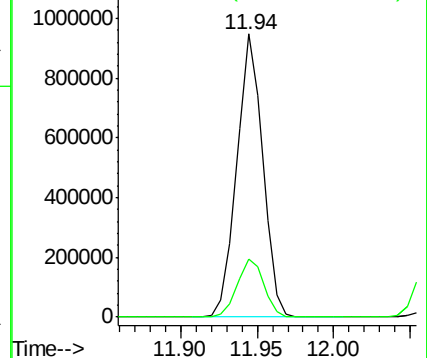
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.329 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

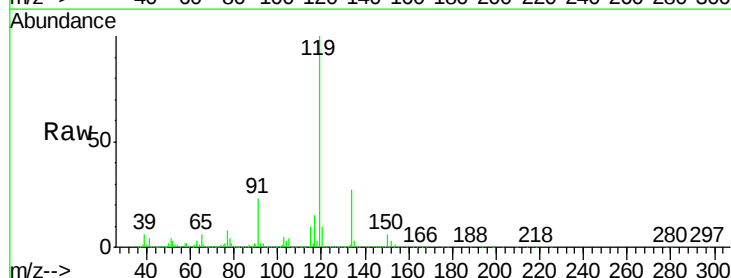
Tgt Ion:119 Resp: 997697

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.1

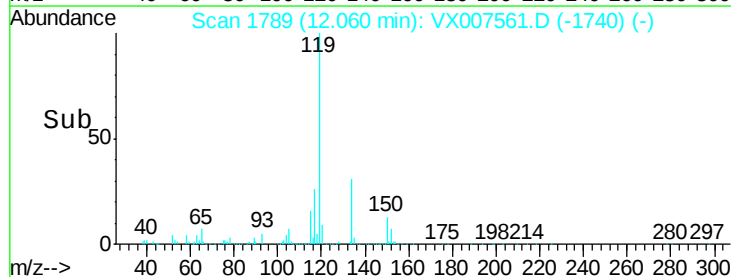
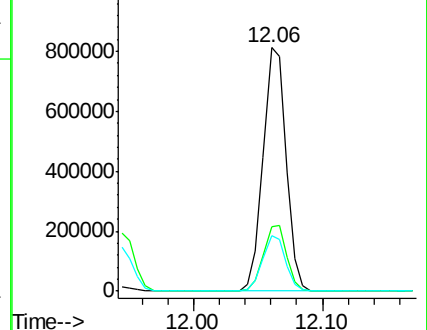
91 22.7 11.2 33.5

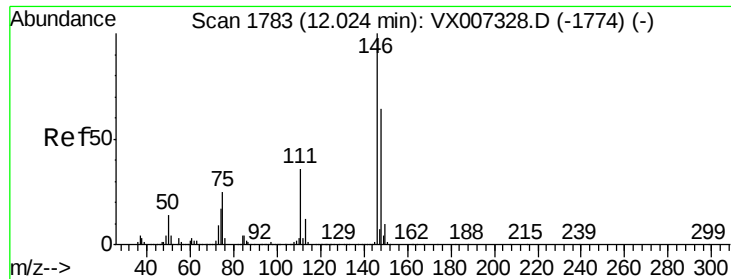


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





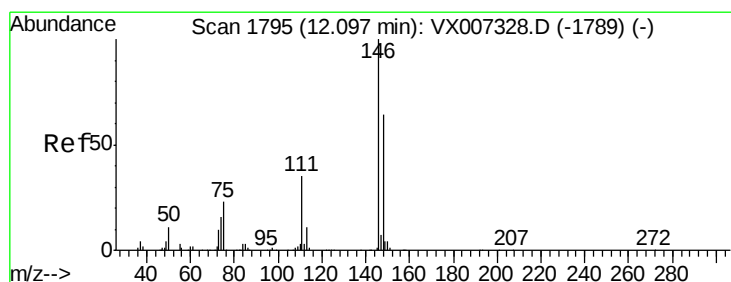
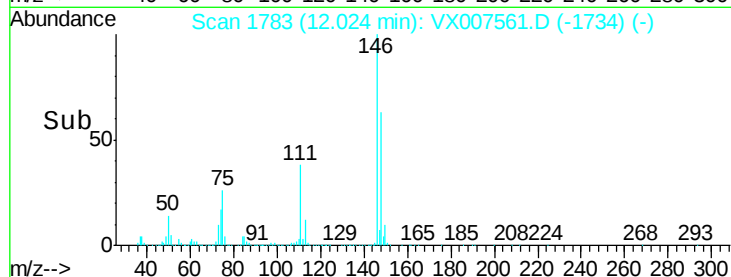
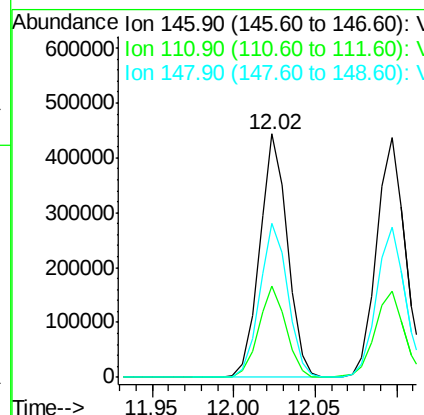
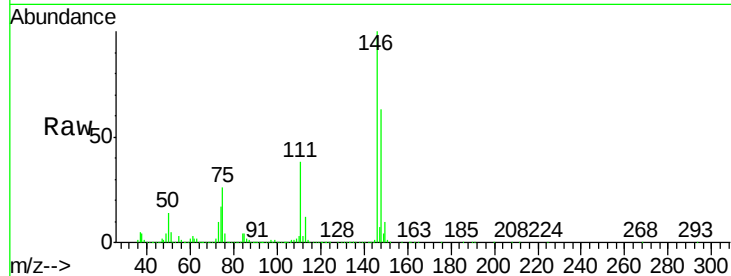
#87
 1,3-Dichlorobenzene
 Concen: 46.297 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	64.2	32.0	96.2

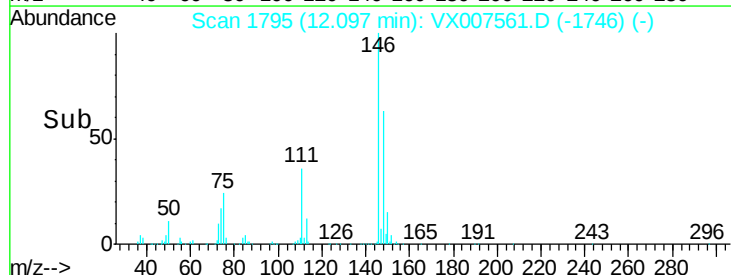
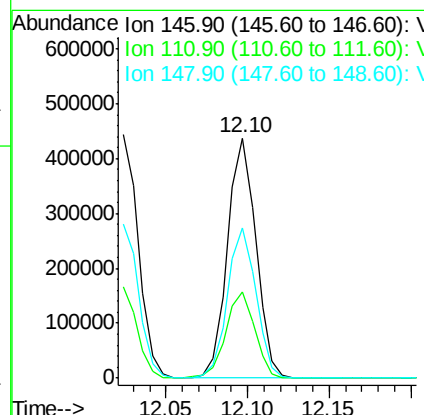
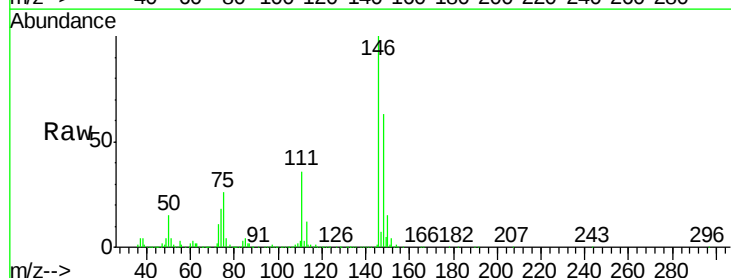
Manual Integrations
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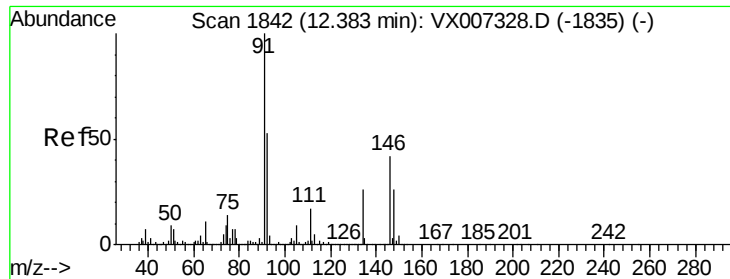
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#88
 1,4-Dichlorobenzene
 Concen: 46.136 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	63.1	32.3	96.9





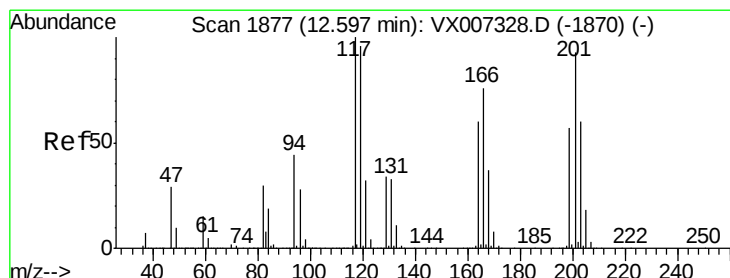
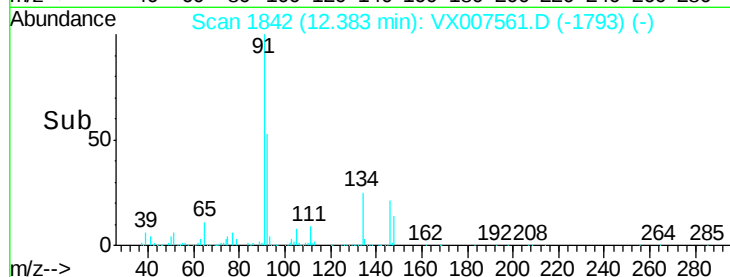
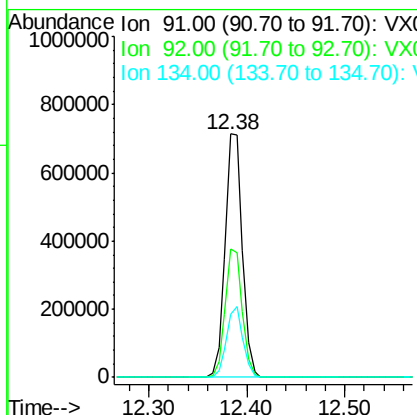
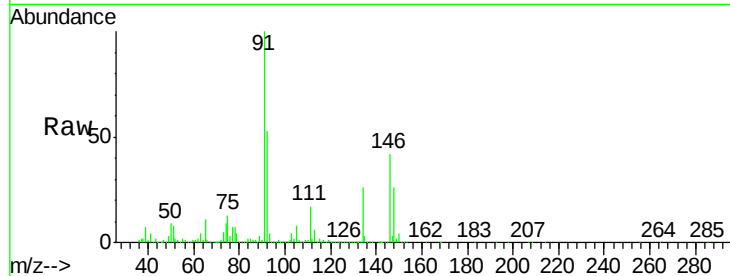
#89
n-Butylbenzene
Concen: 50.849 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.9
134	27.8	13.9	41.6

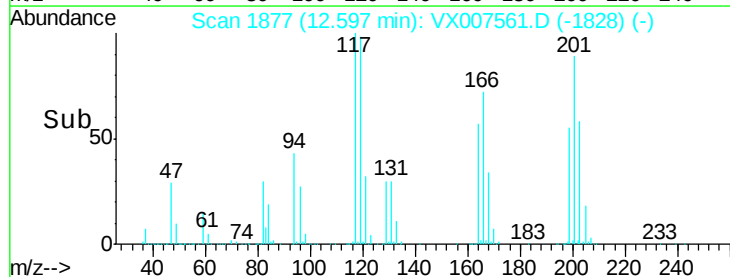
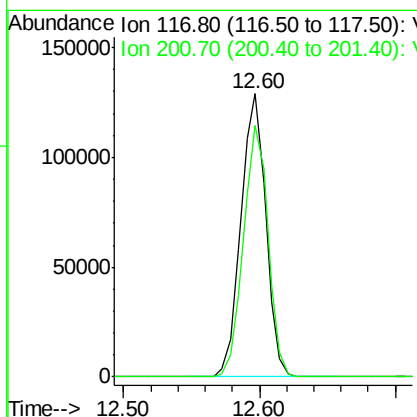
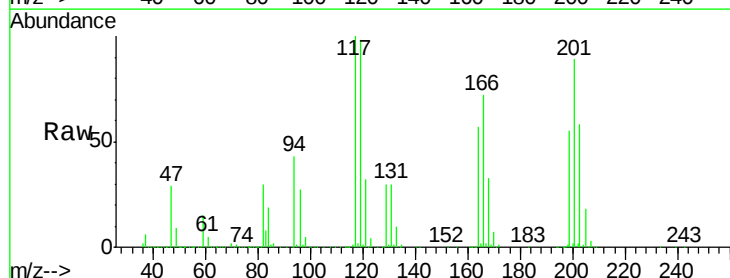
Manual Integrations
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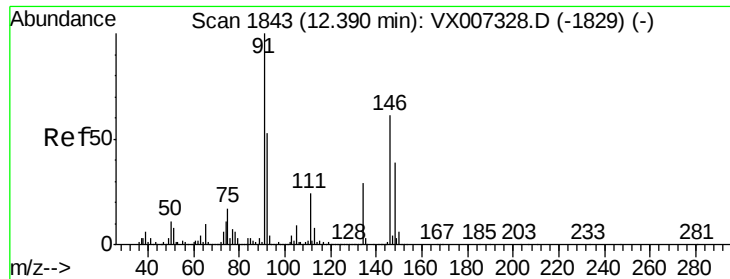
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#90
Hexachloroethane
Concen: 55.404 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007561.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	44.9	134.7





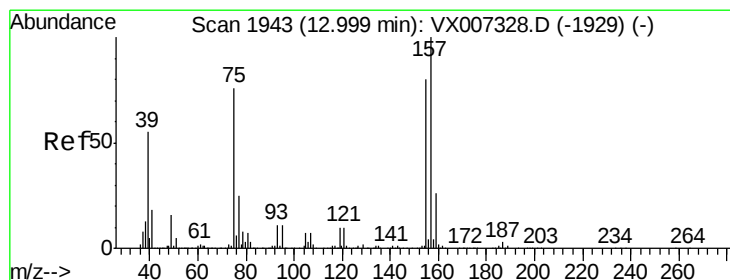
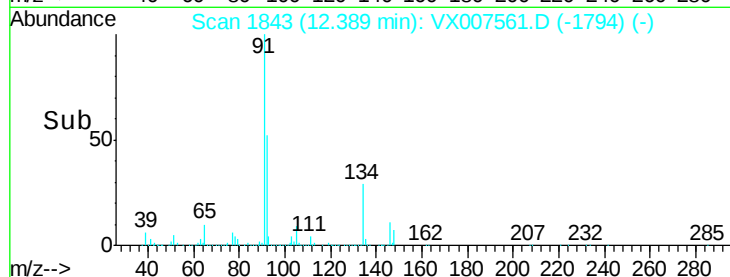
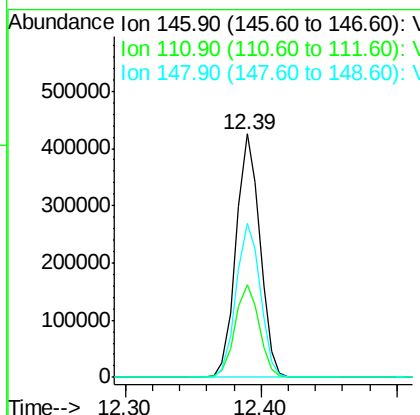
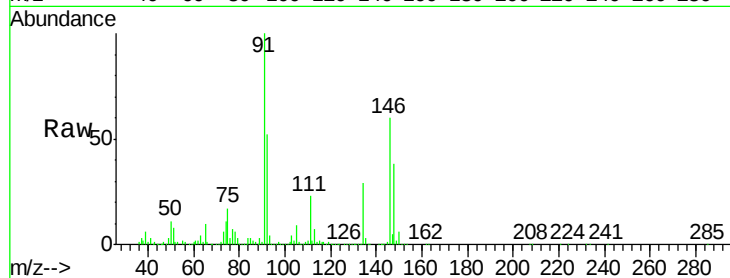
#91
 1,2-Dichlorobenzene
 Concen: 46.158 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	64.1	32.1	96.3

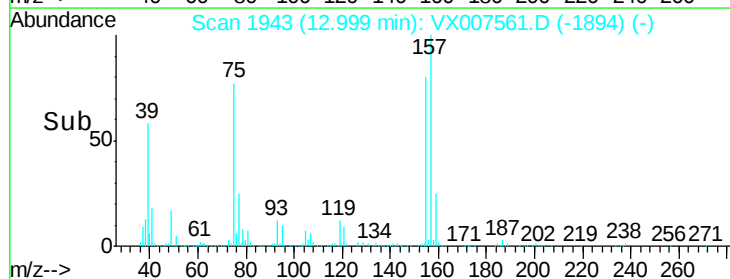
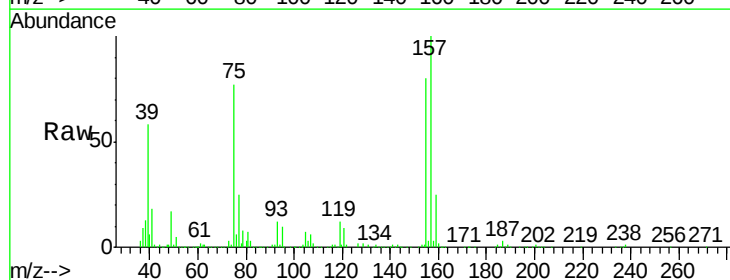
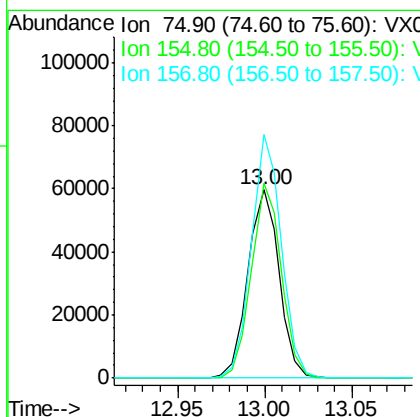
Manual Integrations
 APPROVED

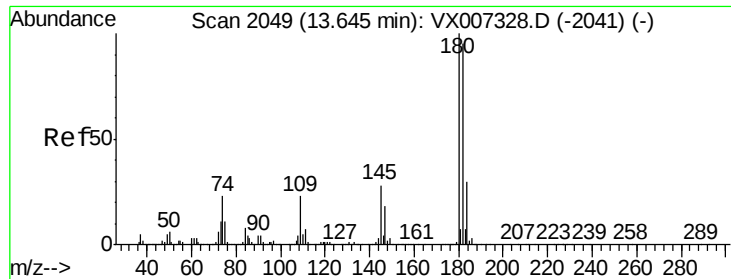
MMDadoda
 2/18/2019 10:39:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.498 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	49.6	149.0
157	124.6	65.1	195.3





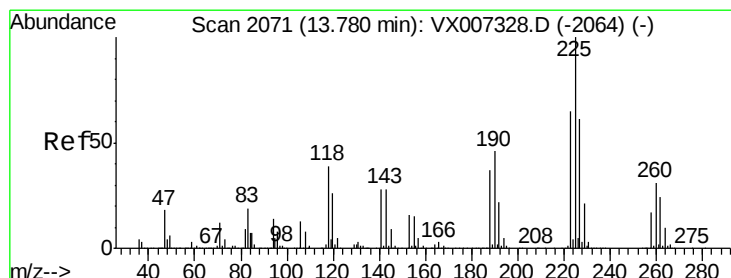
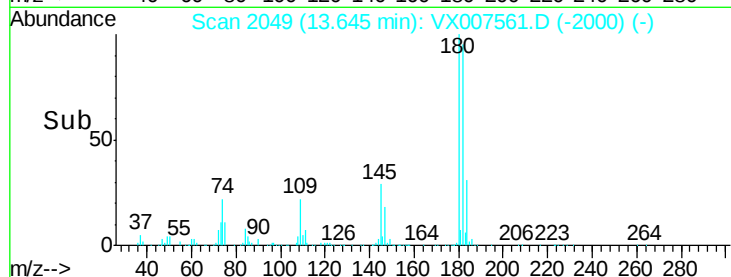
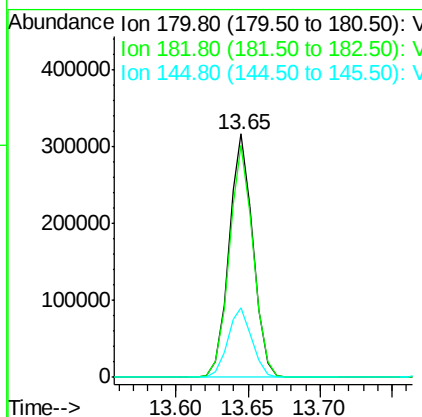
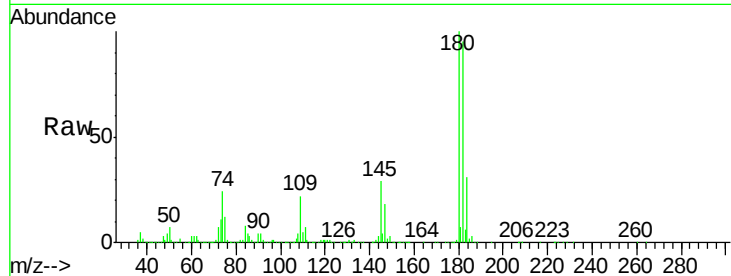
#93
 1,2,4-Trichlorobenzene
 Concen: 48.670 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	369991		
182	95.5	47.8	143.3	
145	29.0	14.1	42.2	

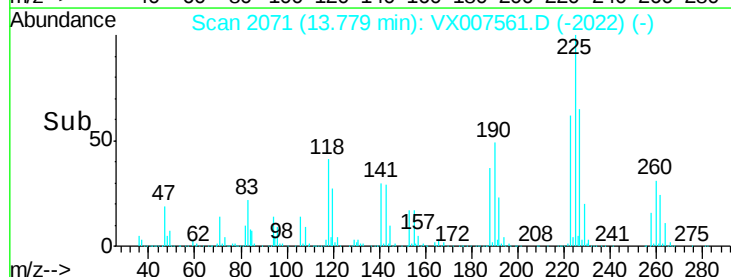
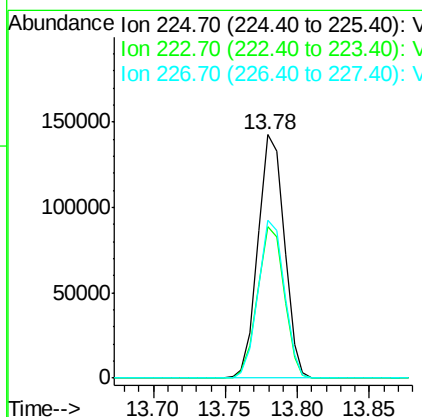
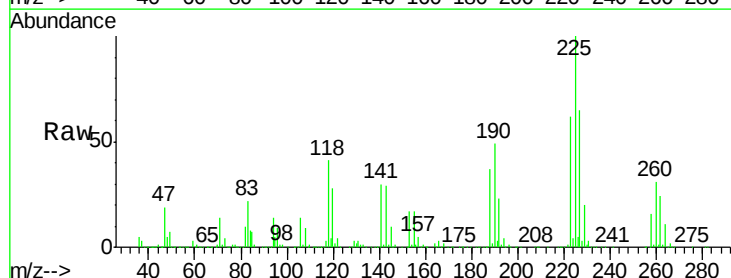
Manual Integrations
 APPROVED

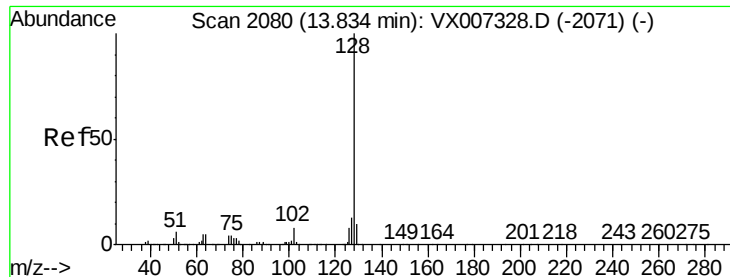
MMDadoda
 2/18/2019 10:39:28 AM



#94
 Hexachlorobutadiene
 Concen: 48.615 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007561.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	179454		
223	62.9	31.6	94.8	
227	64.7	32.1	96.3	





#95

Naphthalene

Concen: 50.522 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1123136

Ion Ratio Lower Upper

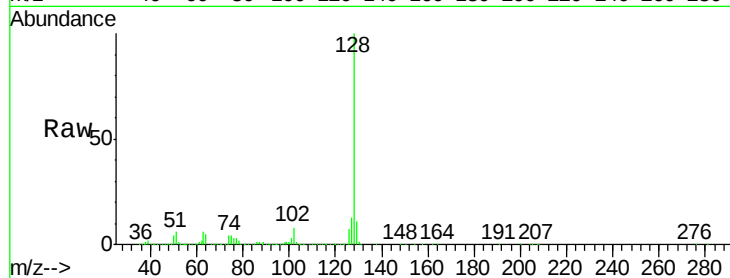
128 100

127 13.0 10.5 15.7

129 10.8 8.7 13.1

Manual Integrations
APPROVED

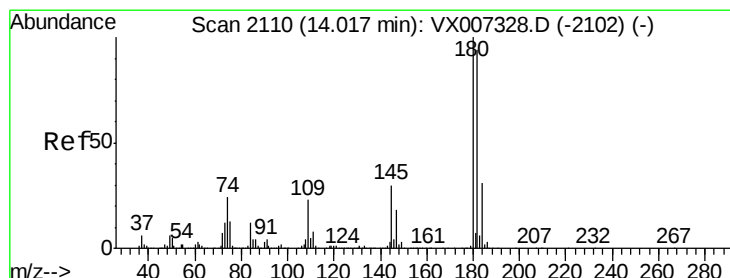
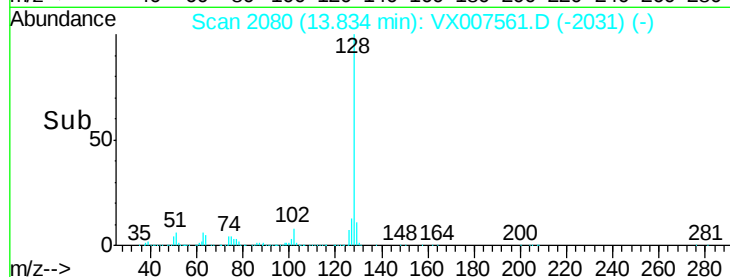
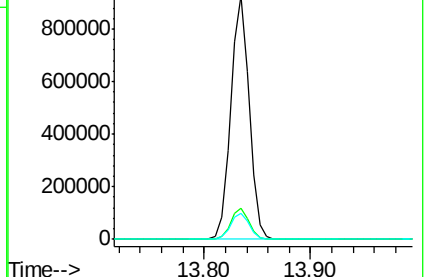
MMDadoda
2/18/2019 10:39:28 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.521 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007561.D

Acq: 15 Feb 2019 11:56

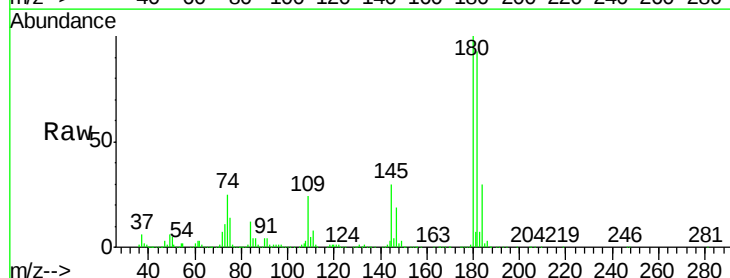
Tgt Ion:180 Resp: 371290

Ion Ratio Lower Upper

180 100

182 94.0 47.5 142.6

145 29.7 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

