

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010504.D
 Acq On : 27 Jun 2019 22:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:36:46 AM

Quant Time: Jun 28 07:56:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	243035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	362061	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	333659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113439	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	5.50	113	111920	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	8.71	98	424307	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	154836	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	75172	44.490	ug/l	98
3) Chloromethane	1.32	50	88718	45.092	ug/l	98
4) Vinyl Chloride	1.41	62	96372	44.720	ug/l	99
5) Bromomethane	1.64	94	51948	49.480	ug/l	97
6) Chloroethane	1.71	64	62070	48.820	ug/l	99
7) Trichlorofluoromethane	1.92	101	169978	49.757	ug/l	98
8) Diethyl Ether	2.19	74	62315	50.866	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	97339	47.019	ug/l	98
10) Methyl Iodide	2.51	142	146264	49.506	ug/l	99
11) Tert butyl alcohol	3.06	59	134433	225.460	ug/l	99
12) 1,1-Dichloroethene	2.37	96	100771	47.836	ug/l	99
13) Acrolein	2.29	56	76277	192.841	ug/l	97
14) Allyl chloride	2.73	41	144064	48.170	ug/l	98
15) Acrylonitrile	3.14	53	303180	256.817	ug/l	100
16) Acetone	2.45	43	253361	221.855	ug/l	99
17) Carbon Disulfide	2.57	76	230599	40.802	ug/l	100
18) Methyl Acetate	2.78	43	118035	51.858	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	334203	50.430	ug/l	99
20) Methylene Chloride	2.85	84	116014	49.364	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	105362	46.504	ug/l	99
22) Diisopropyl ether	3.85	45	313575	50.148	ug/l	98
23) Vinyl Acetate	3.81	43	1371289	253.855	ug/l	100
24) 1,1-Dichloroethane	3.70	63	179542	49.674	ug/l	99
25) 2-Butanone	4.67	43	417697	249.343	ug/l	99
26) 2,2-Dichloropropane	4.58	77	124121	39.531	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	130802	49.960	ug/l	98
28) Bromochloromethane	5.01	49	87235	50.480	ug/l	99
29) Tetrahydrofuran	5.13	42	264958	255.351	ug/l	100
30) Chloroform	5.21	83	195685	50.319	ug/l	98
31) Cyclohexane	5.58	56	155343	47.196	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	170677	49.704	ug/l	99
36) 1,1-Dichloropropene	5.80	75	137297	47.720	ug/l	99
37) Ethyl Acetate	4.83	43	153874	51.987	ug/l	99
38) Carbon Tetrachloride	5.79	117	153663	49.321	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	172417	45.590	ug/l	99
40) Benzene	6.14	78	447957	49.975	ug/l	100
41) Methacrylonitrile	5.04	41	84388	51.962	ug/l	99
42) 1,2-Dichloroethane	6.19	62	141549	51.877	ug/l	99
43) Isopropyl Acetate	6.45	43	254383	51.946	ug/l	99
44) Trichloroethene	7.21	130	133779	49.877	ug/l	96
45) 1,2-Dichloropropane	7.51	63	113414	50.104	ug/l	98
46) Dibromomethane	7.66	93	81778	50.354	ug/l	99
47) Bromodichloromethane	7.90	83	148970	50.052	ug/l	100
48) Methyl methacrylate	7.77	41	119211	52.372	ug/l	99
49) 1,4-Dioxane	7.74	88	67849	1034.721	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	839029	267.891	ug/l	99
52) Toluene	8.78	92	293943	49.797	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	160147	47.994	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	177140	48.850	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	123421	50.697	ug/l	99
56) Ethyl methacrylate	9.18	69	190515	51.659	ug/l	98
57) 1,3-Dichloropropane	9.37	76	192754	51.006	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	427482	244.068	ug/l	100
59) 2-Hexanone	9.49	43	637878	258.776	ug/l	99
60) Dibromochloromethane	9.58	129	136771	50.176	ug/l	100
61) 1,2-Dibromoethane	9.67	107	133373	50.756	ug/l	99
64) Tetrachloroethene	9.34	164	136742	50.669	ug/l	98
65) Chlorobenzene	10.14	112	336928	49.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	125811	50.989	ug/l	99
67) Ethyl Benzene	10.25	91	573237	50.126	ug/l	99
68) m/p-Xylenes	10.36	106	442854	99.942	ug/l	100
69) o-Xylene	10.69	106	218222	50.079	ug/l	100
70) Styrene	10.71	104	377322	51.632	ug/l	100
71) Bromoform	10.85	173	107111	49.918	ug/l	99
73) Isopropylbenzene	11.02	105	581674	50.013	ug/l	99
74) N-amyl acetate	10.90	43	228685	52.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	193532	50.246	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	159403m	50.984	ug/l	
77) Bromobenzene	11.26	156	163417	50.320	ug/l	98
78) n-propylbenzene	11.36	91	640706	50.124	ug/l	100
79) 2-Chlorotoluene	11.42	91	378487	49.725	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	484024	50.482	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	58692	43.794	ug/l	97
82) 4-Chlorotoluene	11.51	91	434631	50.181	ug/l	99
83) tert-Butylbenzene	11.77	119	474424	49.299	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	486327	50.486	ug/l	100
85) sec-Butylbenzene	11.94	105	566674	50.152	ug/l	100
86) p-Isopropyltoluene	12.06	119	523762	50.115	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	282400	49.816	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	281156	48.717	ug/l	100
89) n-Butylbenzene	12.38	91	436867	49.191	ug/l	99
90) Hexachloroethane	12.59	117	87029	48.158	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	277546	49.262	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40964	49.327	ug/l	95

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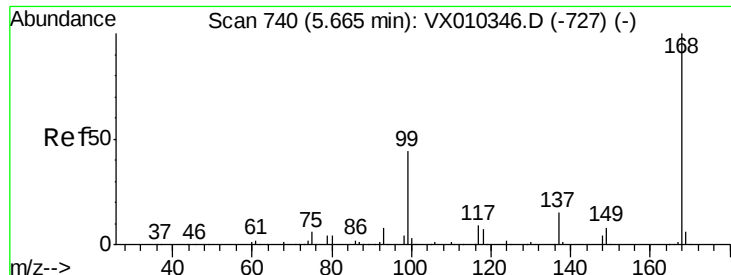
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	196808	50.371	ug/l	98
94) Hexachlorobutadiene	13.78	225	93049	48.728	ug/l	99
95) Naphthalene	13.83	128	621474	51.759	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	197654	50.880	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 243035

Ion Ratio Lower Upper

168 100

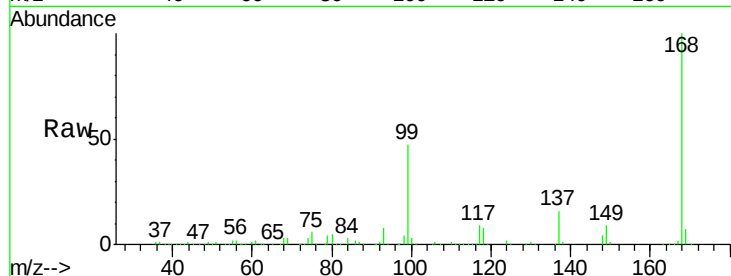
99 46.8 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

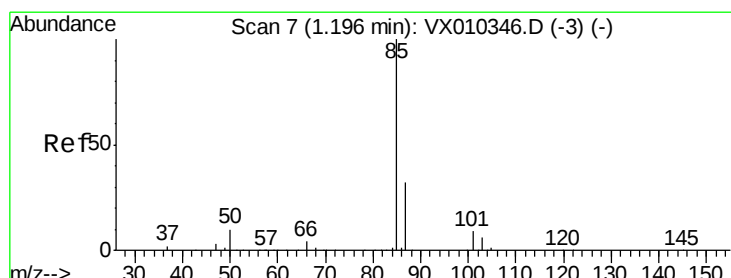
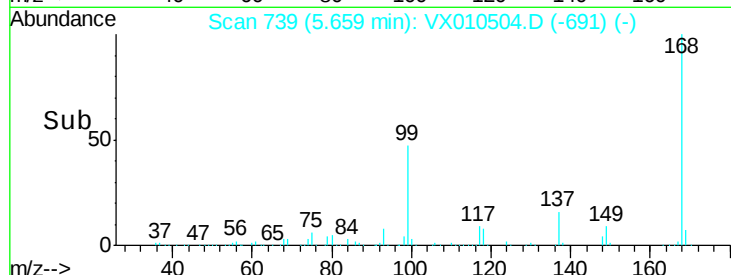
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.490 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010504.D

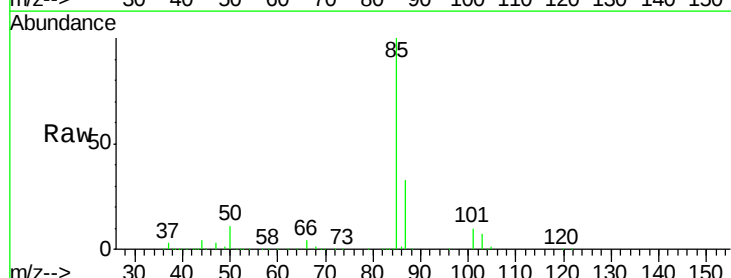
Acq: 27 Jun 2019 22:43

Tgt Ion: 85 Resp: 75172

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

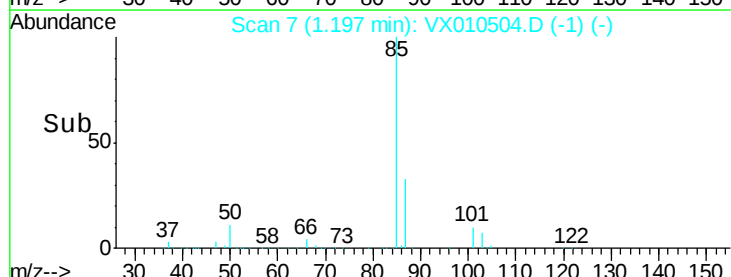
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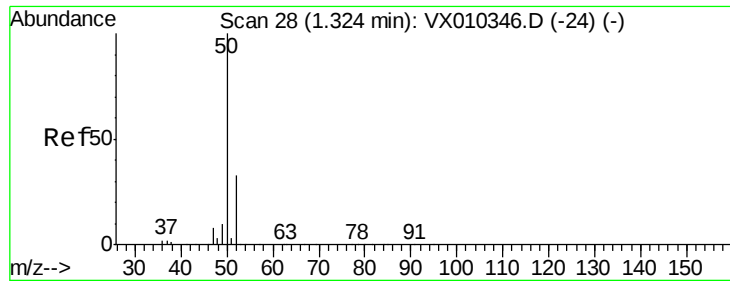
40000

20000

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Time-->





#3

Chloromethane

Concen: 45.092 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 88718

Ion Ratio Lower Upper

50 100

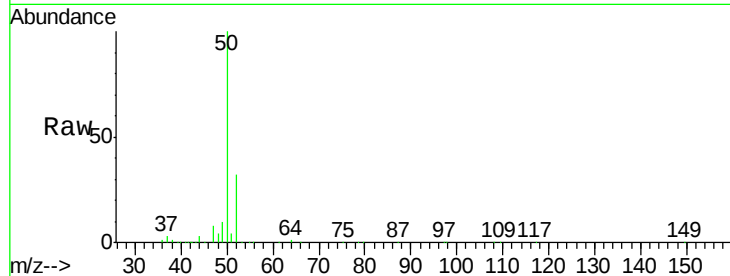
52 31.7 26.5 39.7

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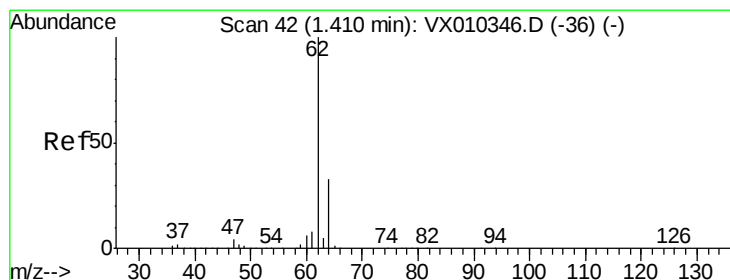
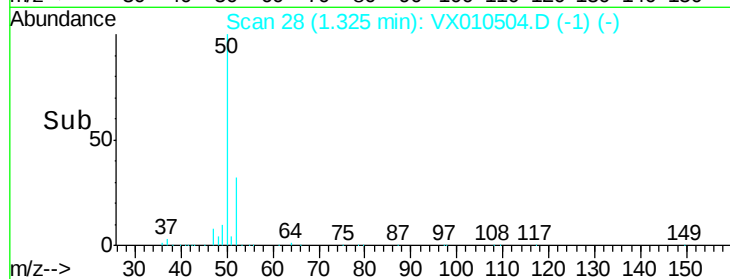
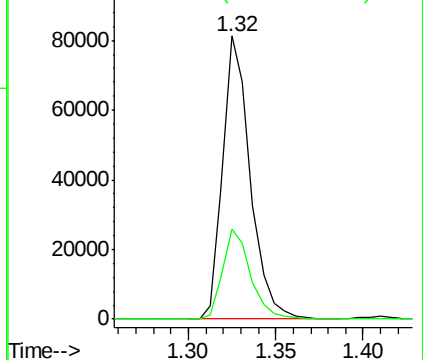
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.720 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010504.D

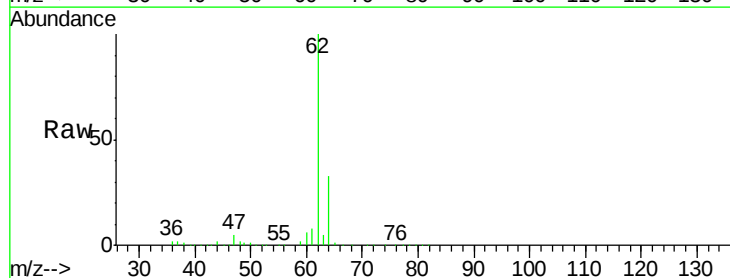
Acq: 27 Jun 2019 22:43

Tgt Ion: 62 Resp: 96372

Ion Ratio Lower Upper

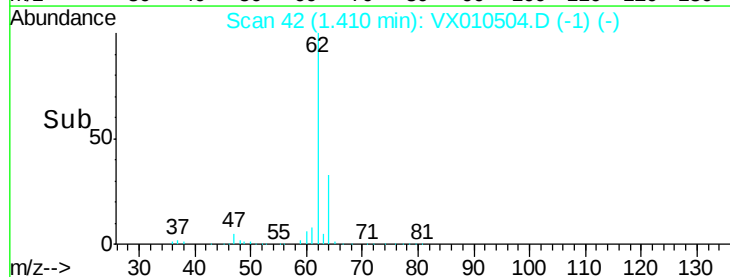
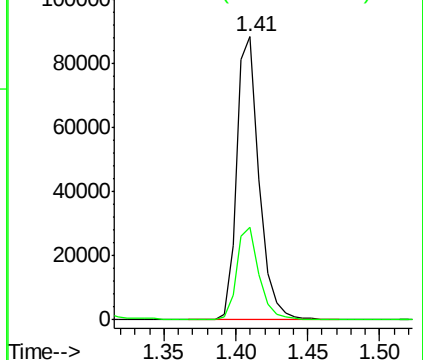
62 100

64 32.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.480 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 51948

Ion Ratio Lower Upper

94 100

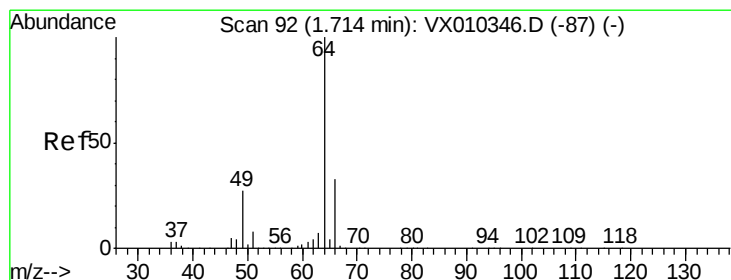
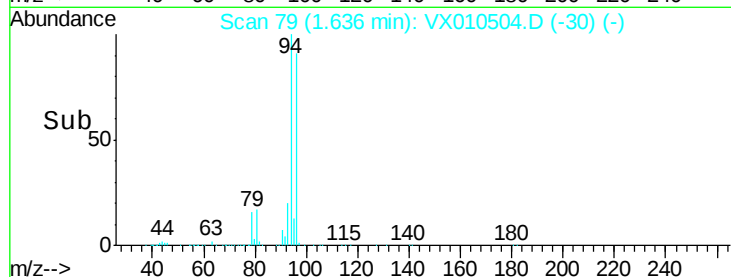
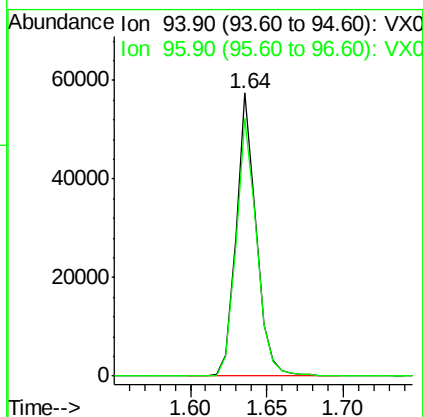
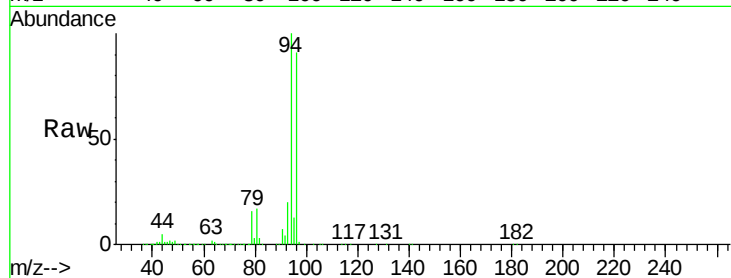
96 91.0 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 48.820 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010504.D

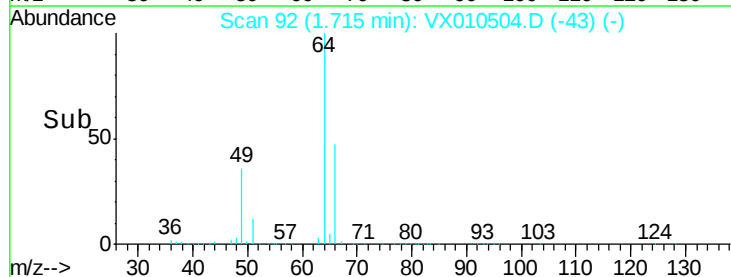
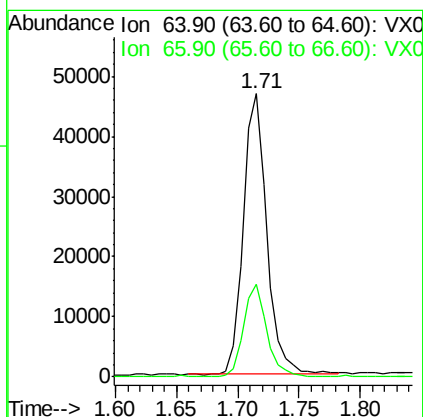
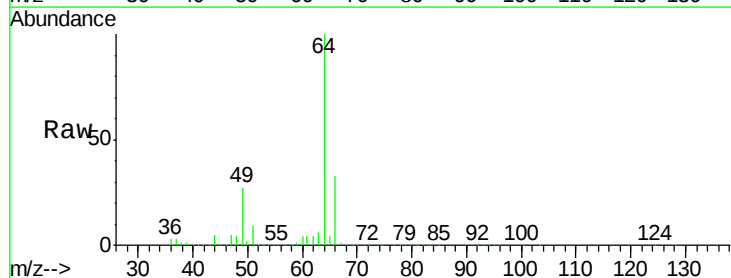
Acq: 27 Jun 2019 22:43

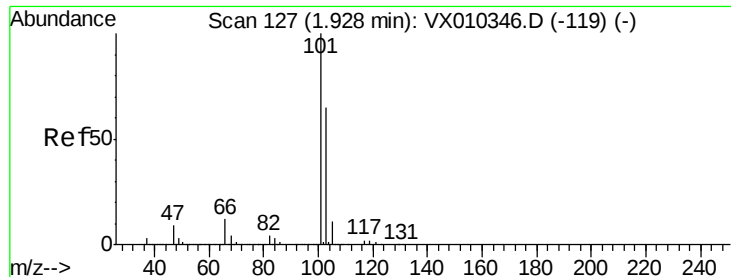
Tgt Ion: 64 Resp: 62070

Ion Ratio Lower Upper

64 100

66 32.6 26.6 40.0





#7

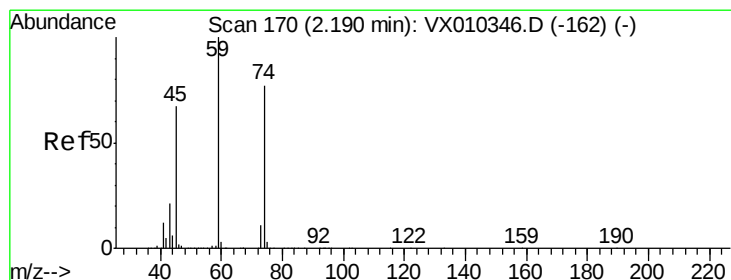
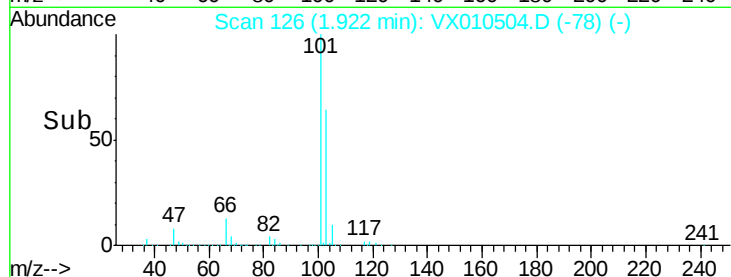
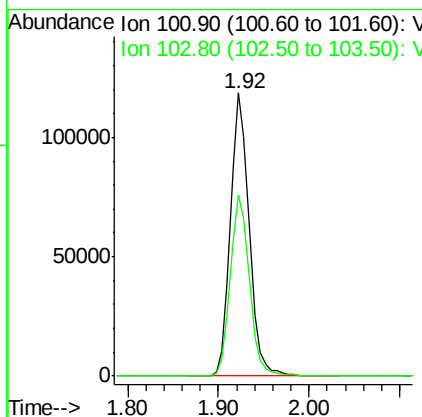
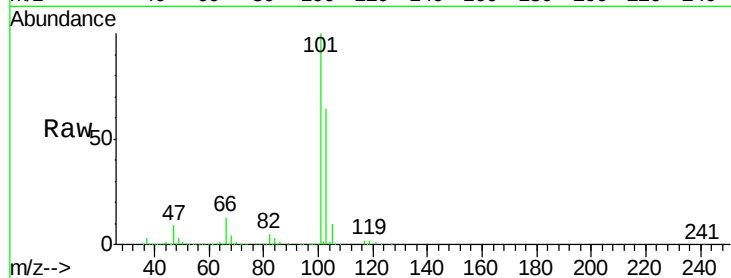
Trichlorofluoromethane
Concen: 49.757 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	169978		
103	63.9	52.3	78.5	

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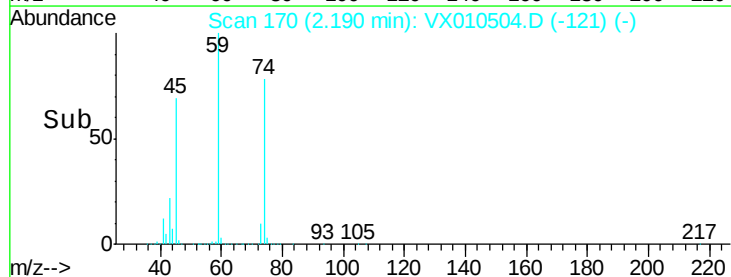
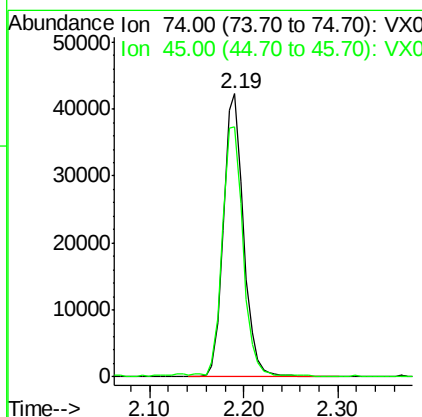
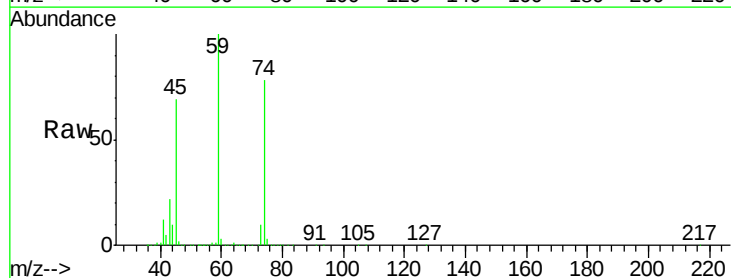
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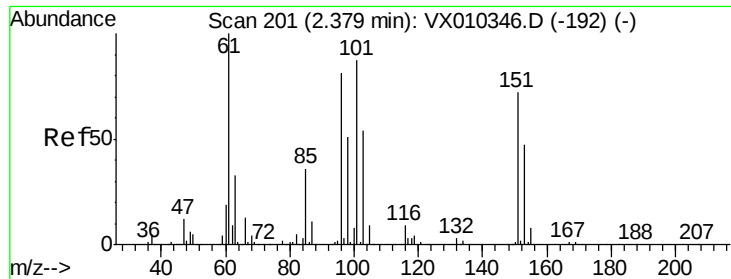


#8

Diethyl Ether
Concen: 50.866 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62315		
45	89.9	44.8	134.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.019 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

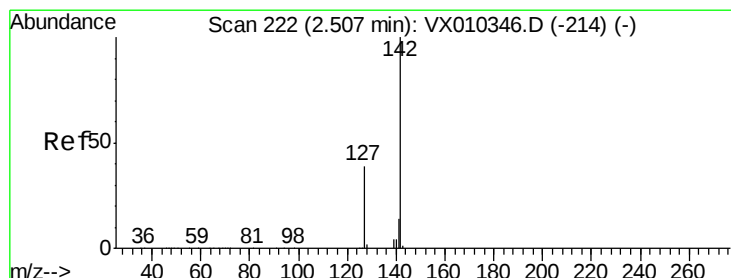
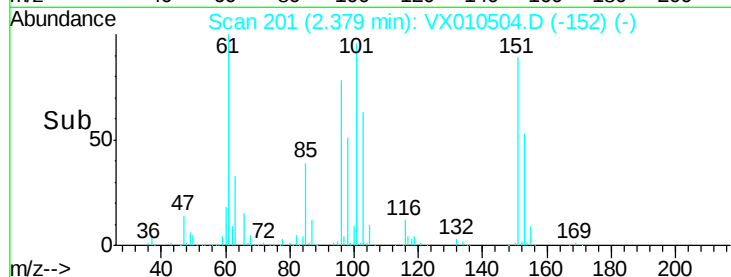
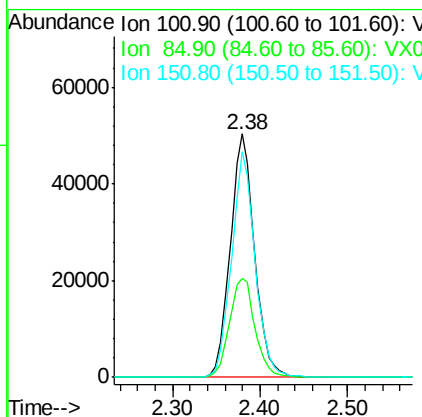
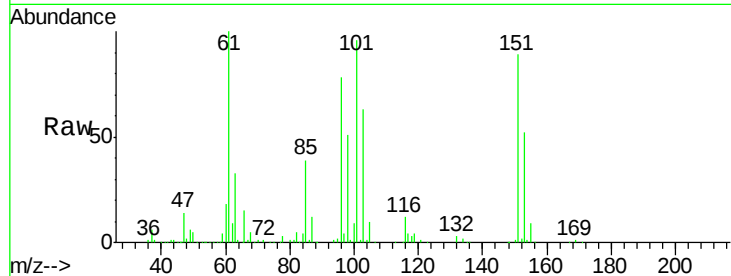
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	97339
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.7	50.5
151	90.1	70.1	105.1

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6/28/2019 10:36:46 AM



#10

Methyl Iodide

Concen: 49.506 ug/l

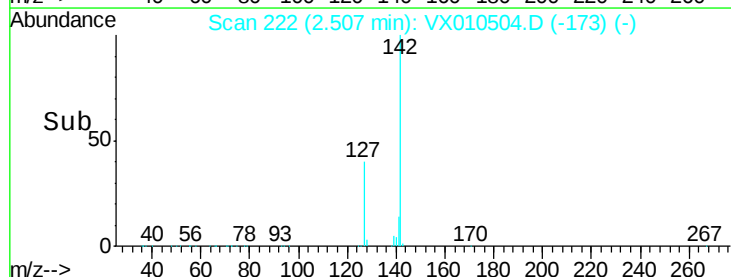
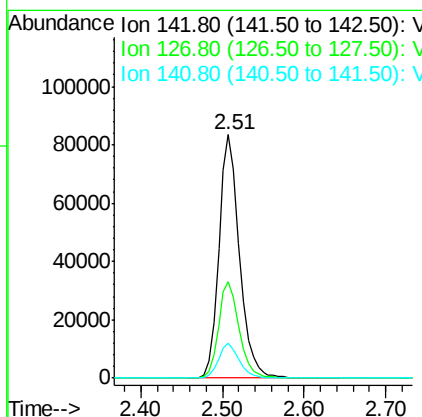
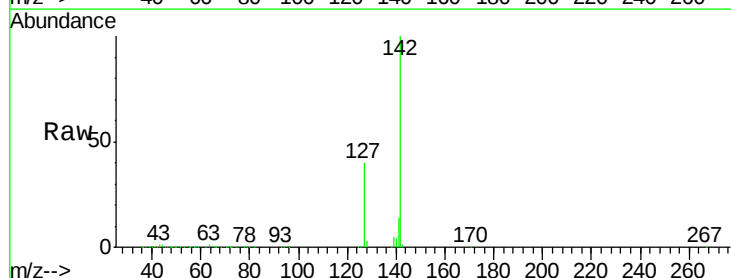
RT: 2.51 min Scan# 222

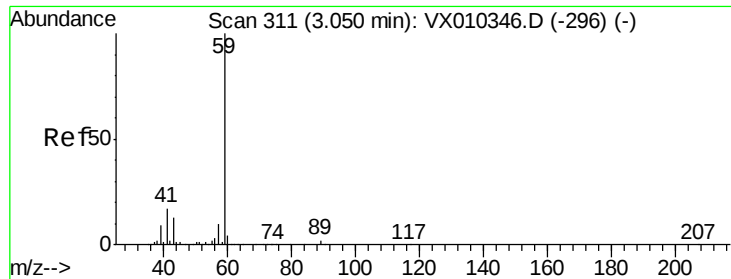
Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion:	142	Resp:	146264
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.1	46.7
141	14.4	11.2	16.8





#11

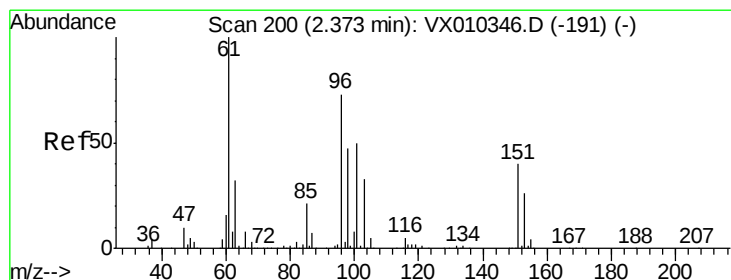
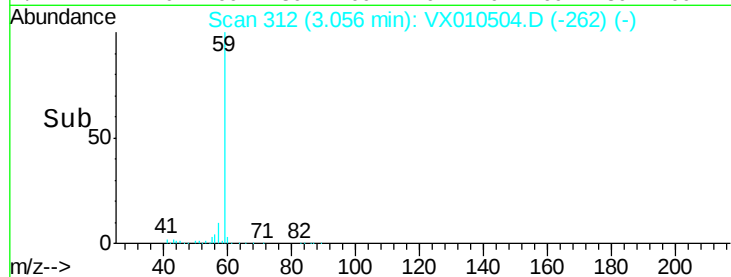
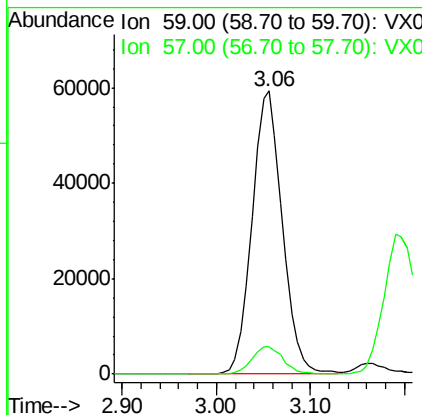
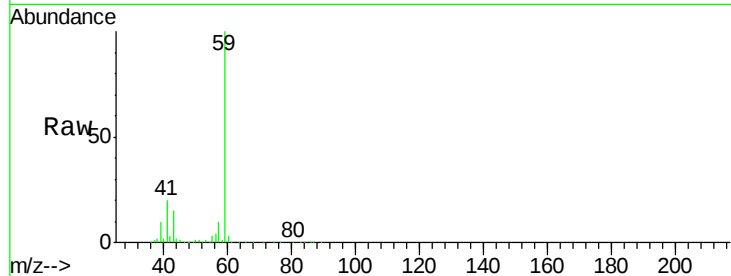
Tert butyl alcohol
Concen: 225.460 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.1	Resp	134433	Lower	7.7	Upper	11.5
Ion	59	57	Ratio	100	10.1	Resp	134433	Lower	7.7	Upper	11.5

Manual Integrations
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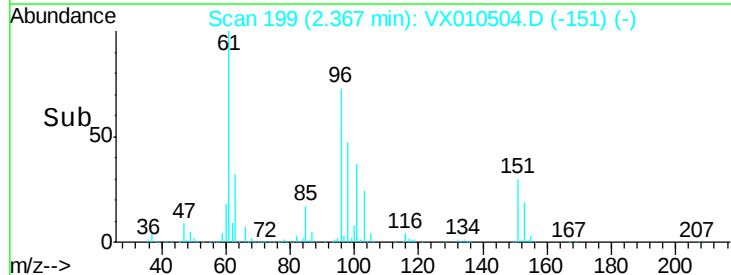
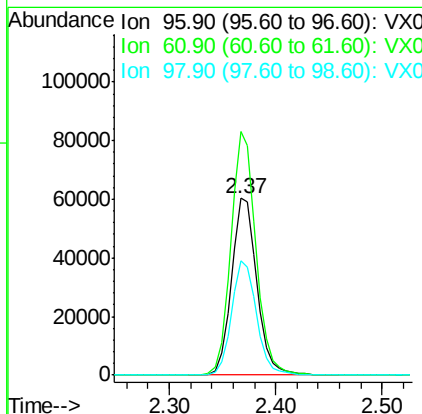
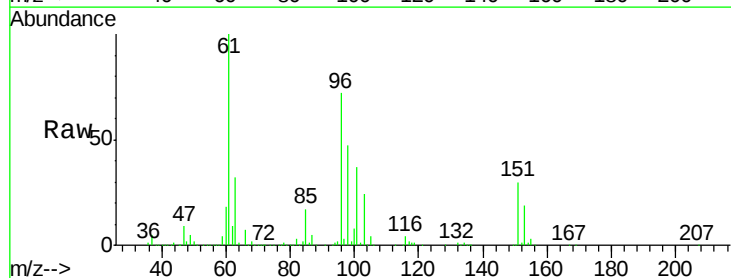
MMDadoda
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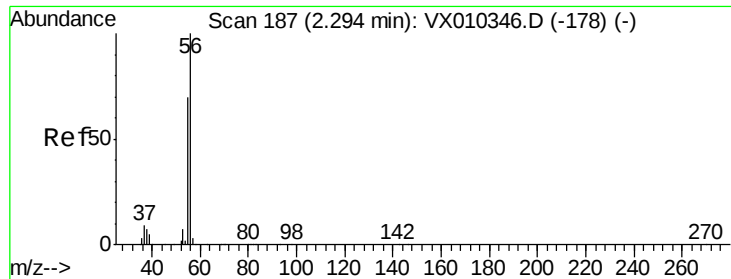


#12

1,1-Dichloroethene
Concen: 47.836 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	96	61	98	Ratio	100	137.8	64.7	Resp	100771	Lower	109.2	Upper	163.8	76.7
Ion	96	61	98	Ratio	100	137.8	64.7	Resp	100771	Lower	109.2	Upper	163.8	76.7





#13

Acrolein

Concen: 192.841 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 76277

Ion Ratio Lower Upper

56 100

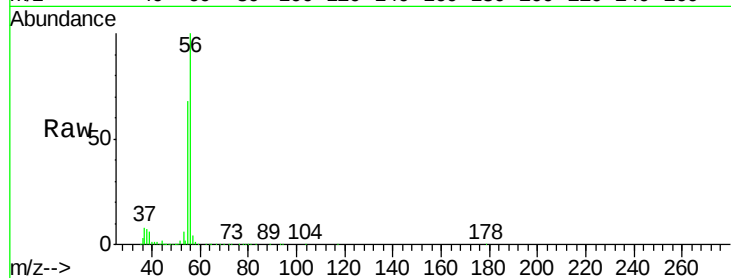
55 68.8 56.9 85.3

Manual Integrations

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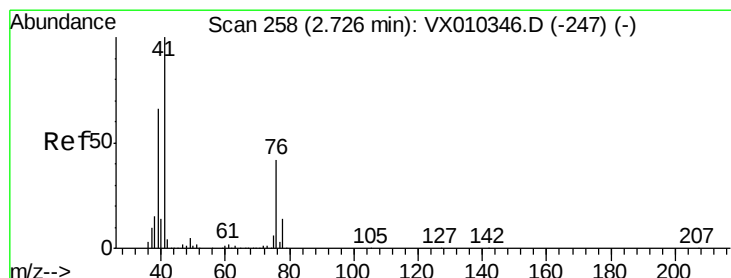
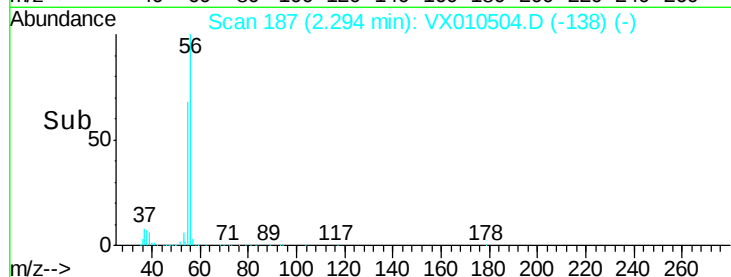
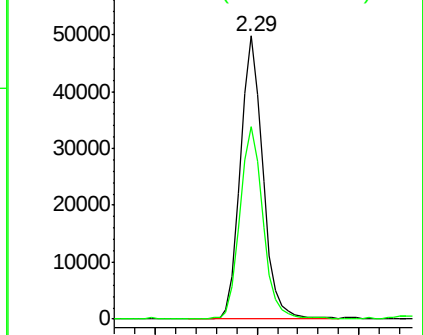
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.170 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

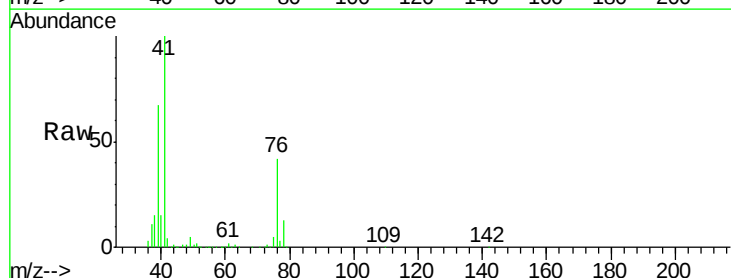
Tgt Ion: 41 Resp: 144064

Ion Ratio Lower Upper

41 100

39 63.8 50.3 75.5

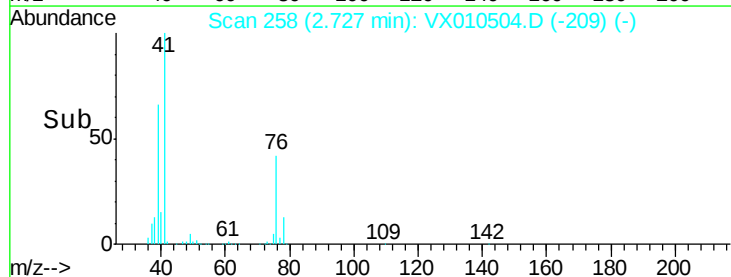
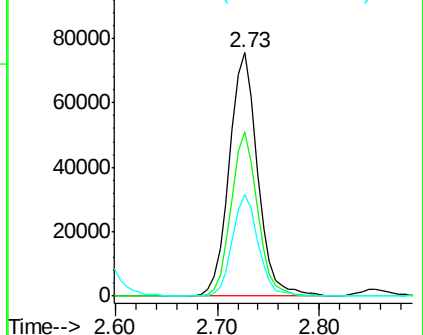
76 37.8 31.3 46.9

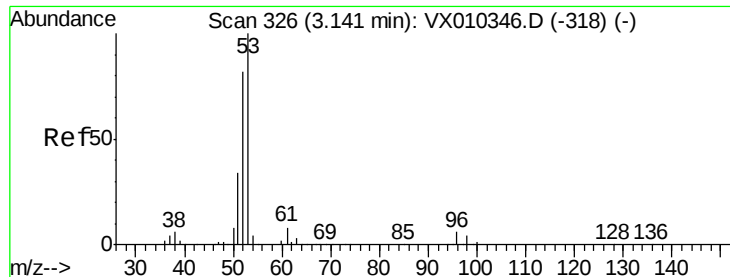


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 256.817 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

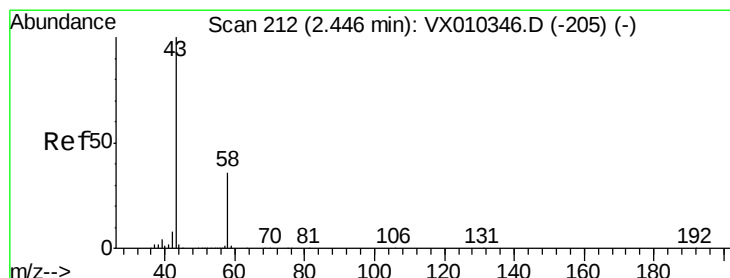
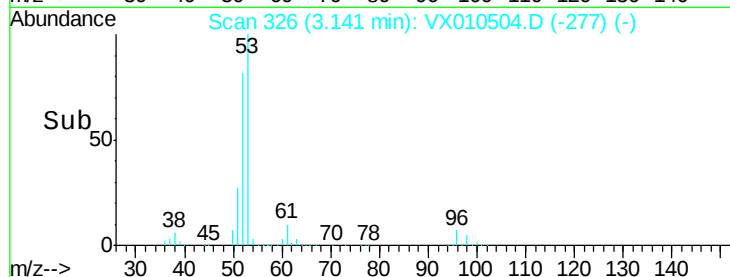
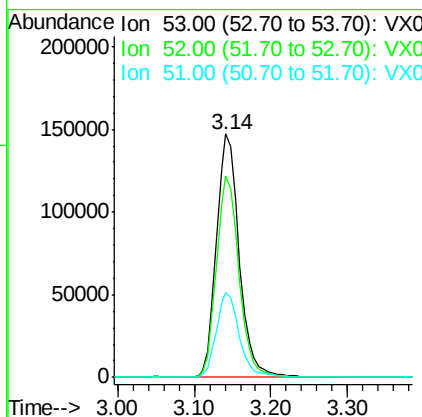
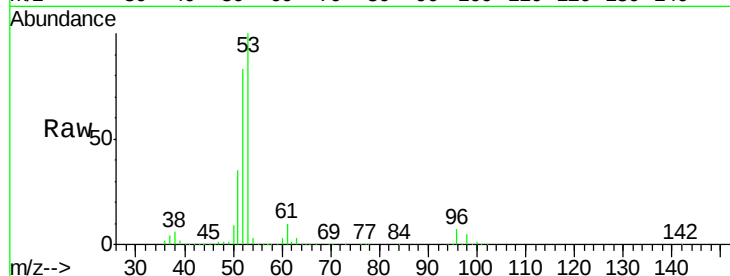
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	303180
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.5	98.3
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 221.855 ug/l

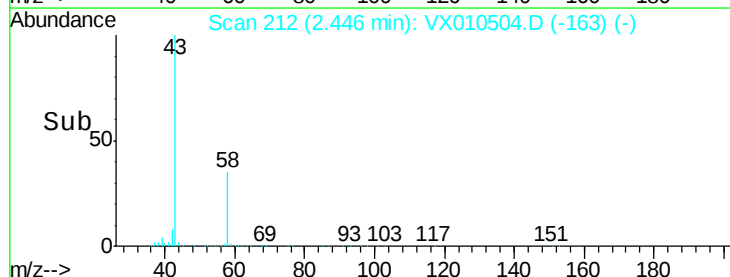
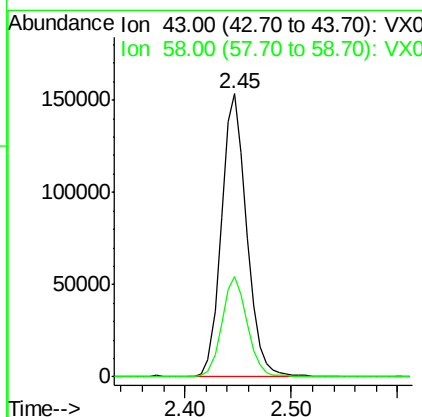
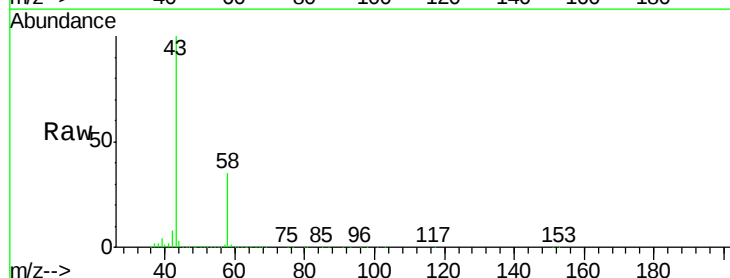
RT: 2.45 min Scan# 212

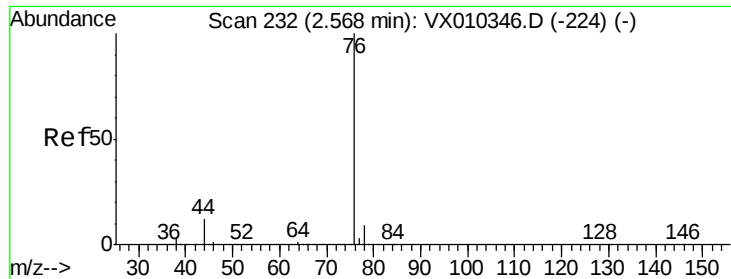
Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion:	43	Resp:	253361
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.9	43.3





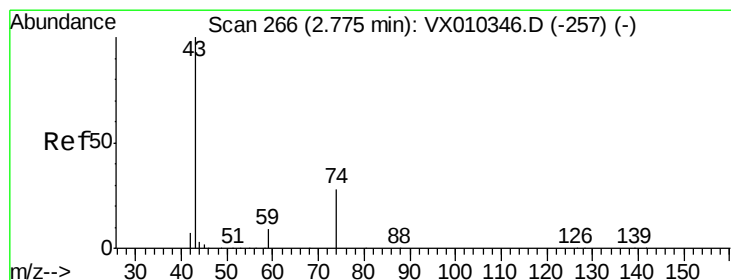
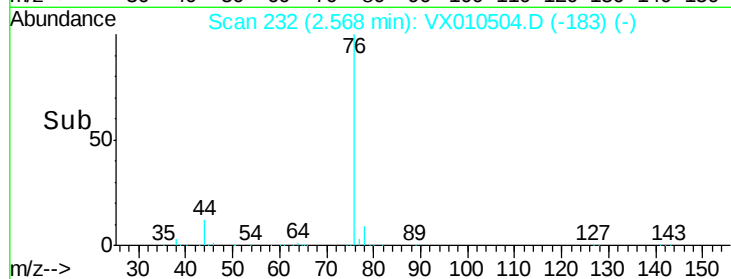
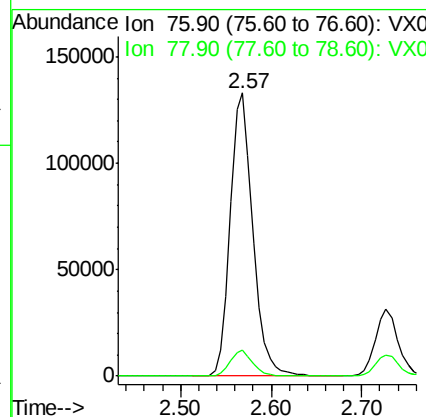
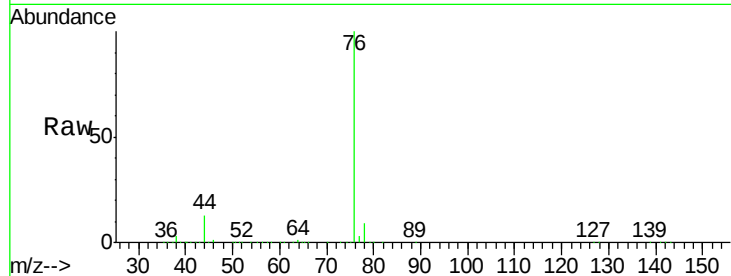
#17
Carbon Disulfide
Concen: 40.802 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

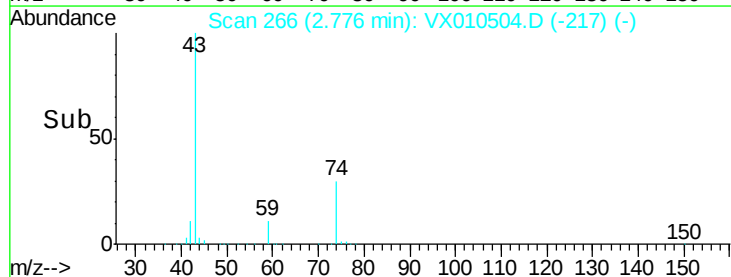
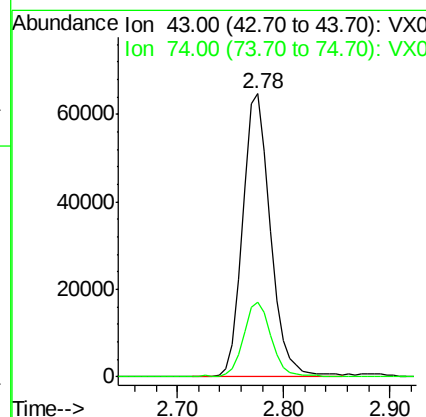
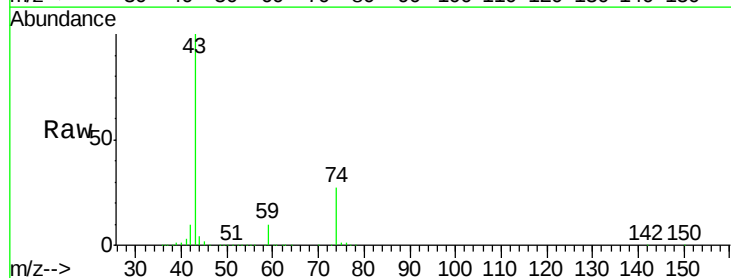
Manual Integrations
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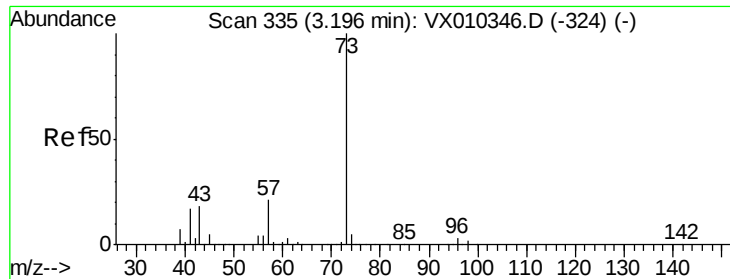
MMDadoda
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#18
Methyl Acetate
Concen: 51.858 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	21.3	31.9





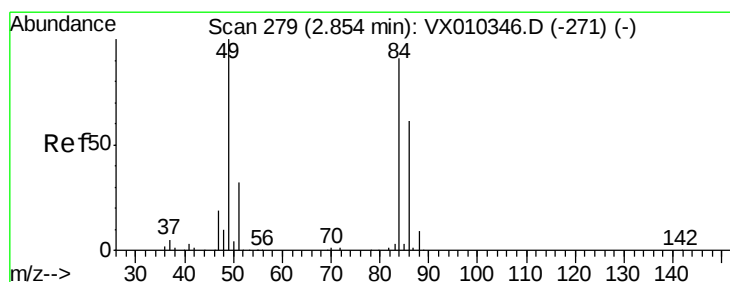
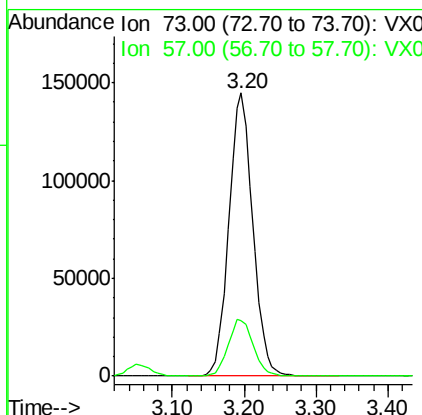
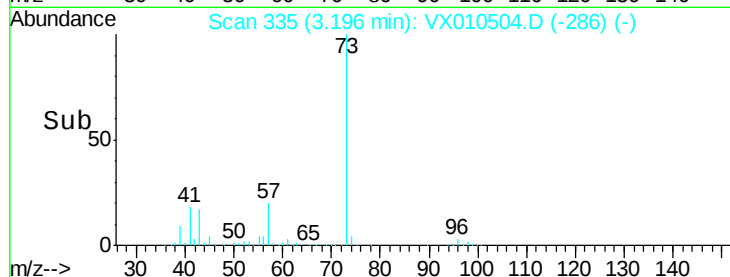
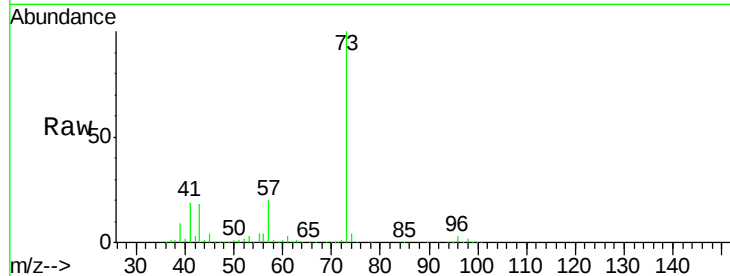
#19
Methvl tert-butvl Ether
Concen: 50.430 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 334203
Ion Ratio Lower Upper
73 100
57 19.8 16.4 24.6

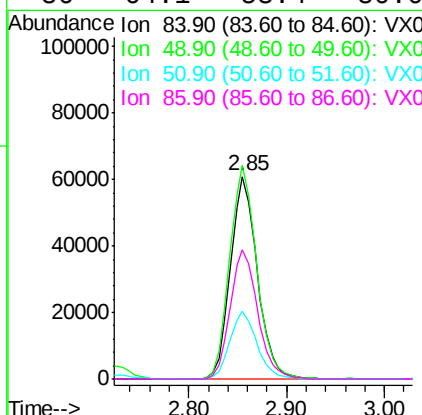
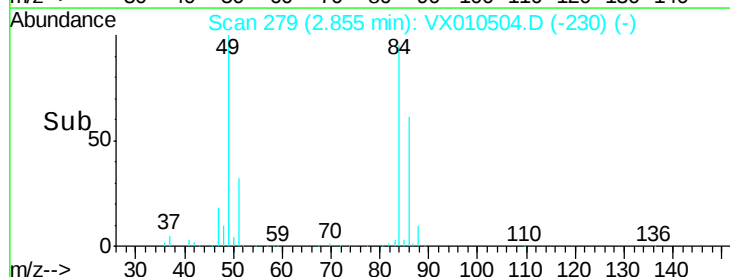
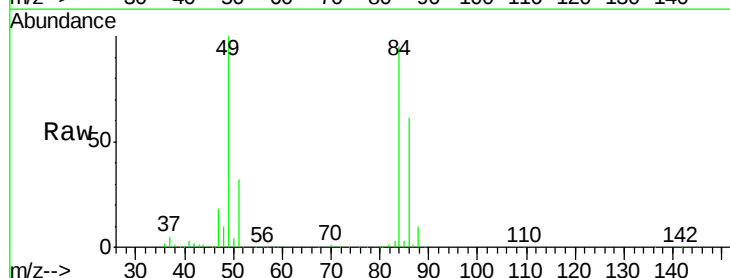
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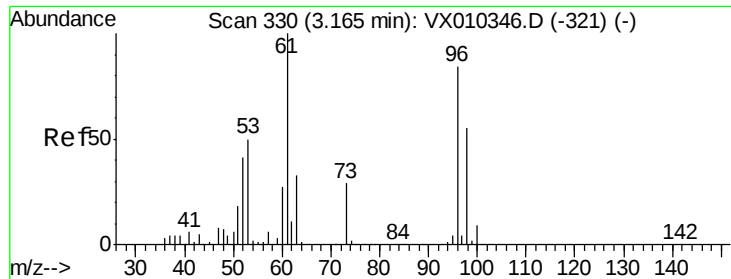
MMDadoda
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#20
Methylene Chloride
Concen: 49.364 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion: 84 Resp: 116014
Ion Ratio Lower Upper
84 100
49 105.4 87.5 131.3
51 33.4 27.7 41.5
86 64.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 46.504 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

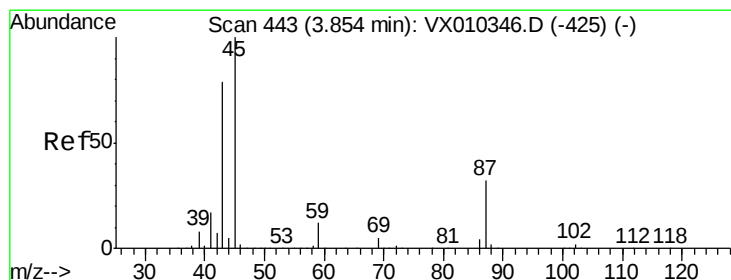
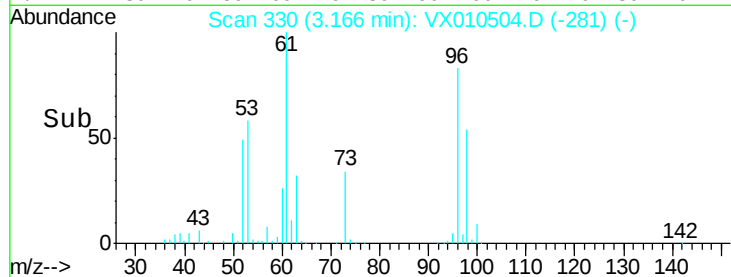
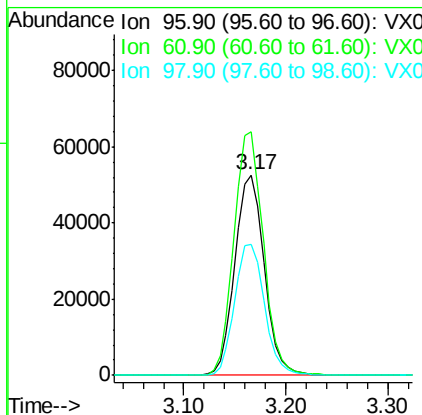
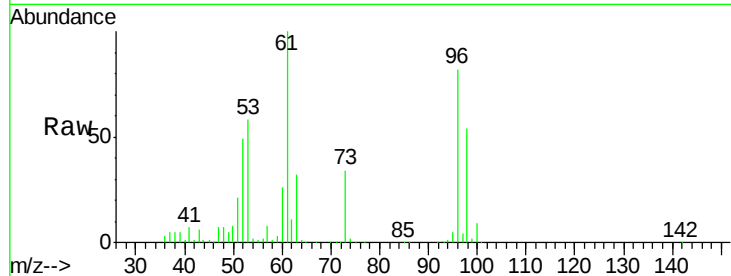
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	105362
Ion	Ratio	Lower	Upper
96	100		
61	121.3	95.6	143.4
98	65.2	52.5	78.7

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#22

Diisopropyl ether

Concen: 50.148 ug/l

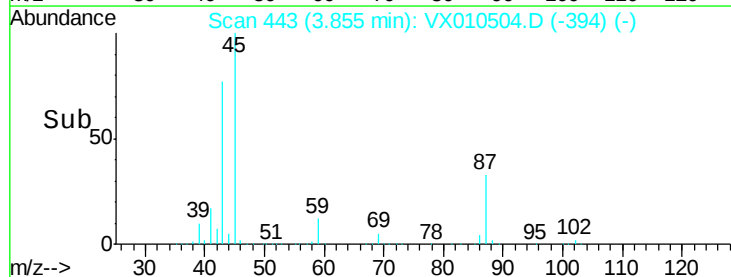
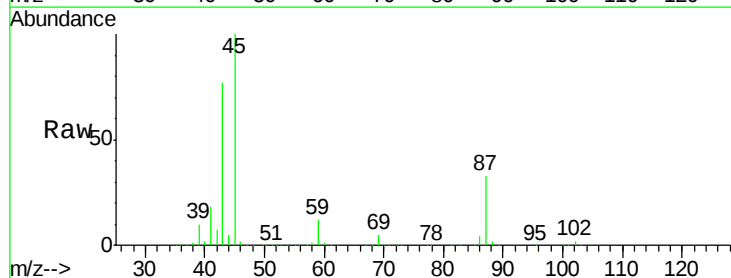
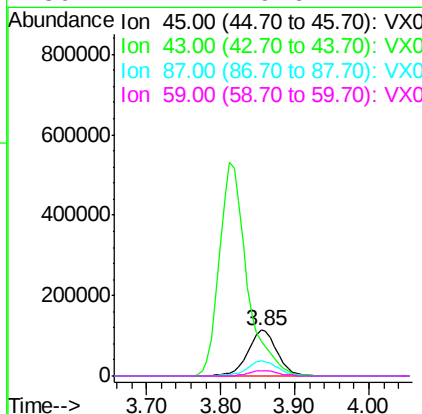
RT: 3.85 min Scan# 443

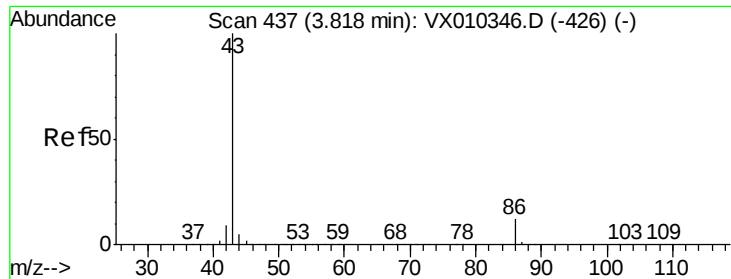
Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion:	45	Resp:	313575
Ion	Ratio	Lower	Upper
45	100		
43	76.7	63.3	94.9
87	33.0	25.8	38.8
59	12.2	9.6	14.4





#23

Vinyl Acetate

Concen: 253.855 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1371289

Ion Ratio Lower Upper

43 100

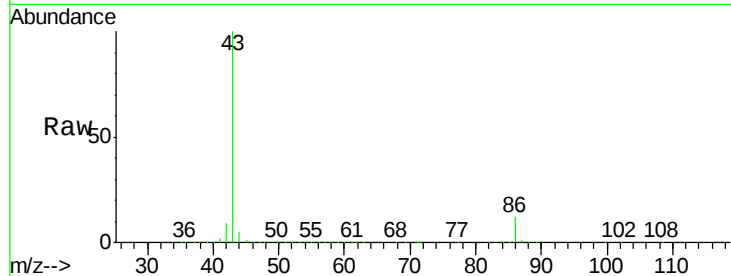
86 12.3 9.9 14.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

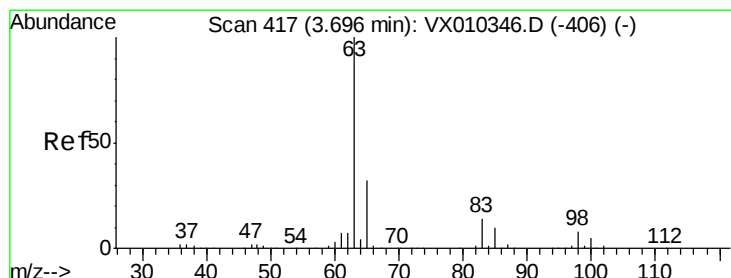
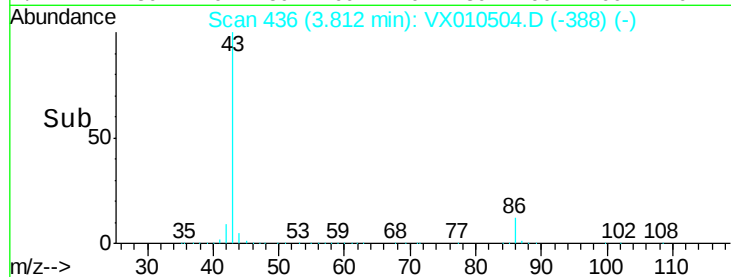
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.674 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

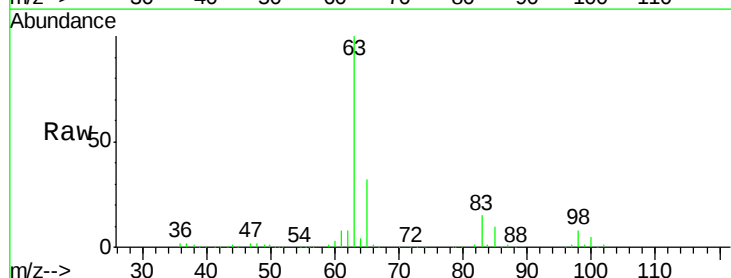
Tgt Ion: 63 Resp: 179542

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

100 5.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

100000

80000

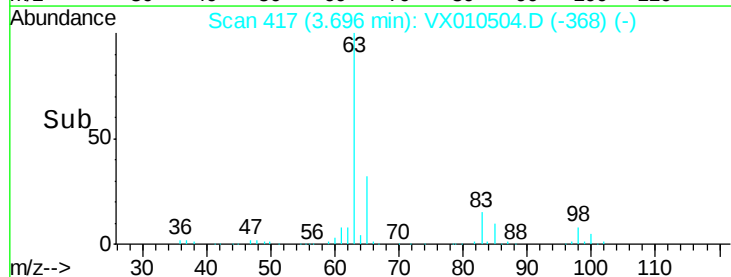
60000

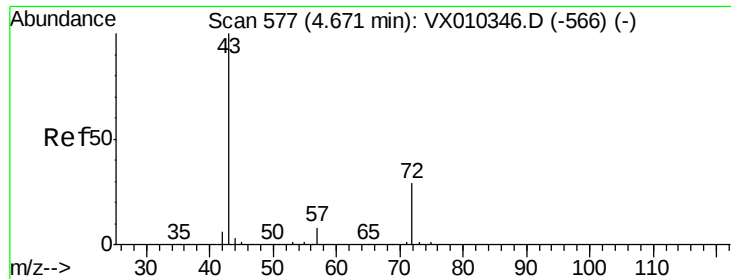
40000

20000

0

Time-->





#25

2-Butanone

Concen: 249.343 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 417697

Ion Ratio Lower Upper

43 100

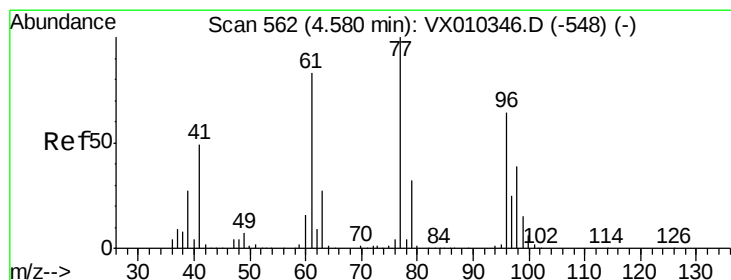
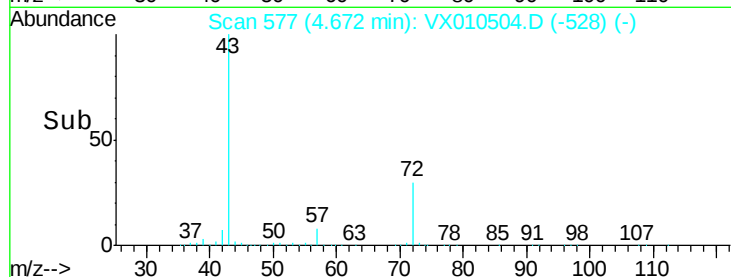
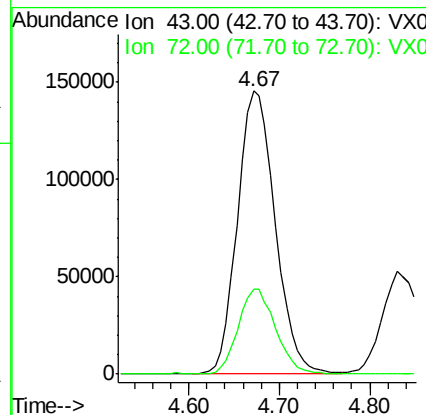
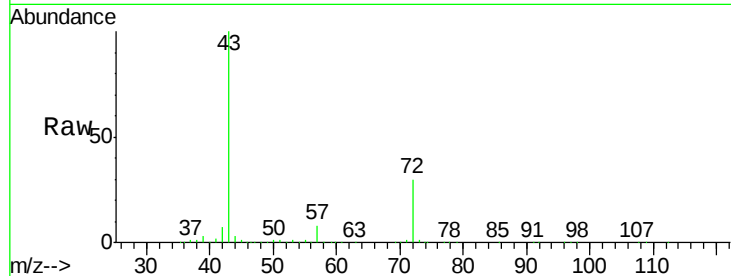
72 29.7 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 39.531 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010504.D

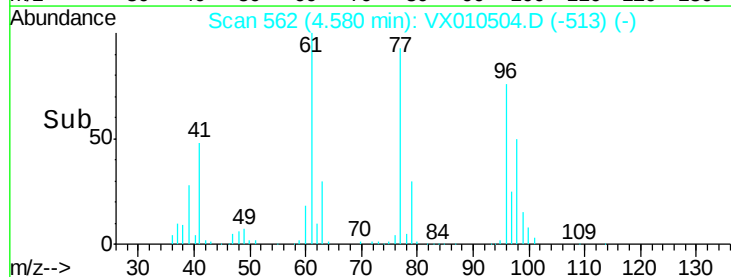
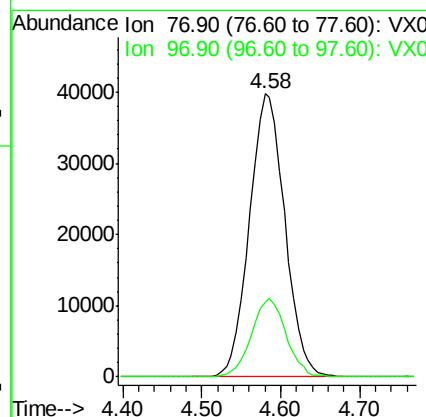
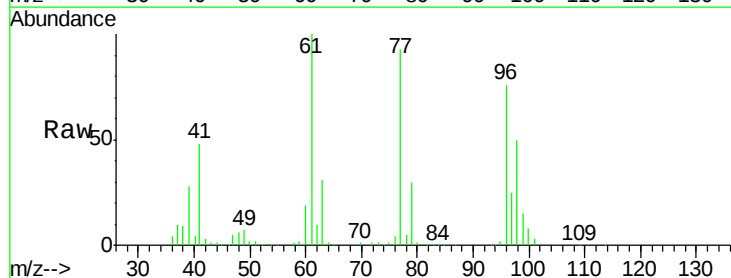
Acq: 27 Jun 2019 22:43

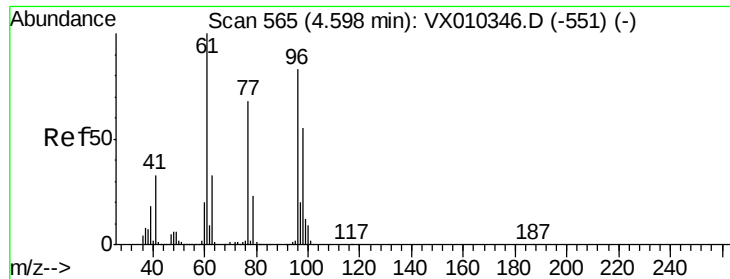
Tgt Ion: 77 Resp: 124121

Ion Ratio Lower Upper

77 100

97 27.3 13.1 39.3





#27

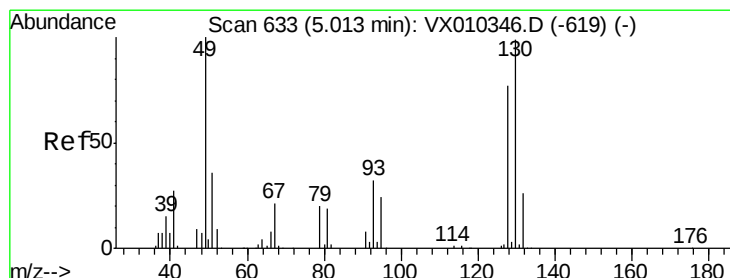
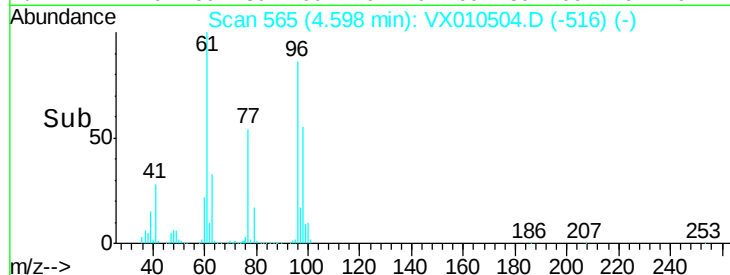
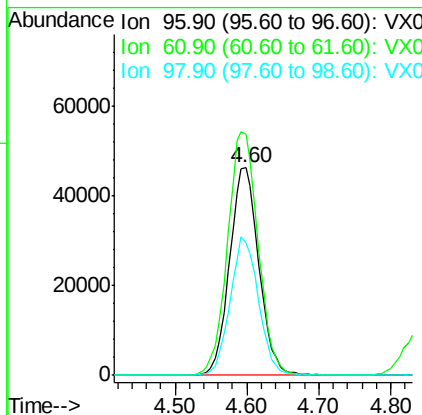
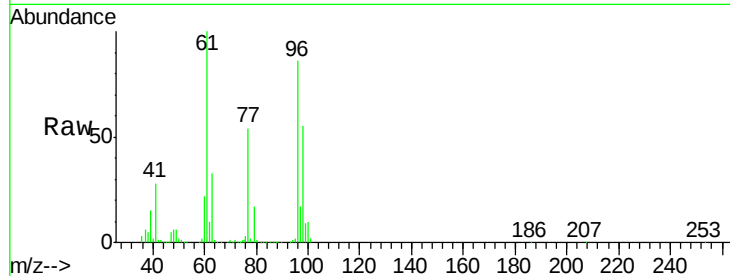
cis-1,2-Dichloroethene
Concen: 49.960 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.5	0.0	251.8
98	64.9	0.0	129.4

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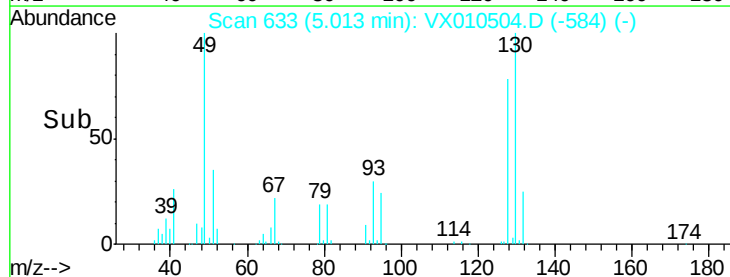
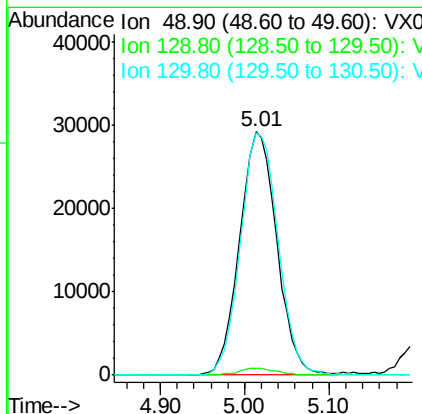
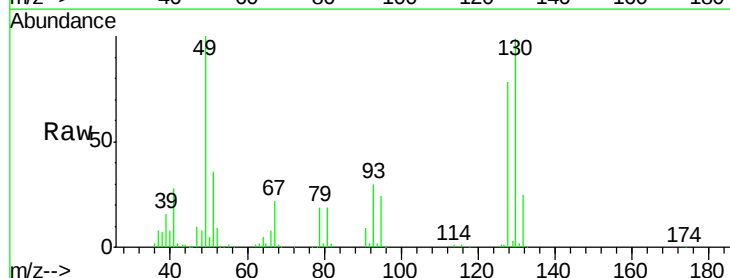
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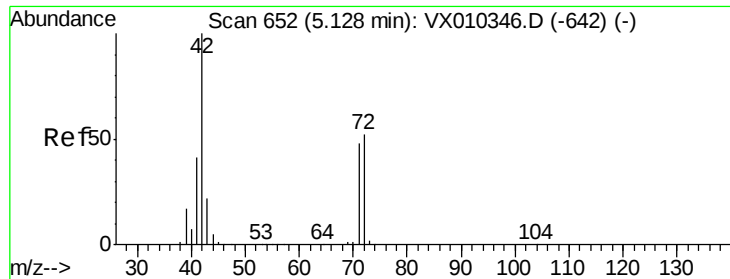


#28

Bromochloromethane
Concen: 50.480 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	101.1	81.4	122.0





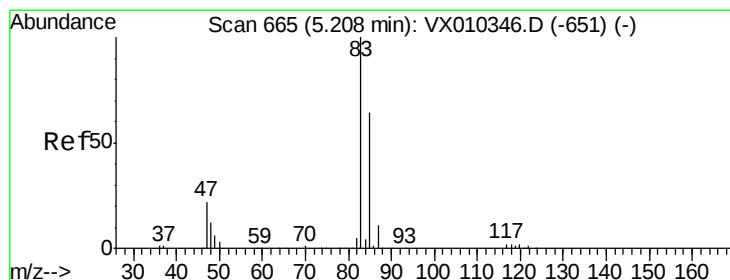
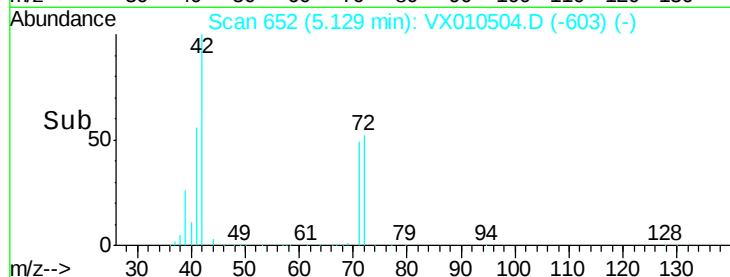
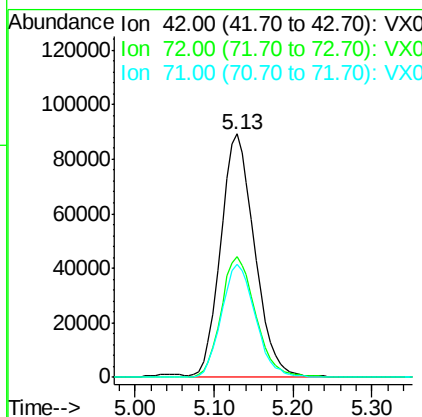
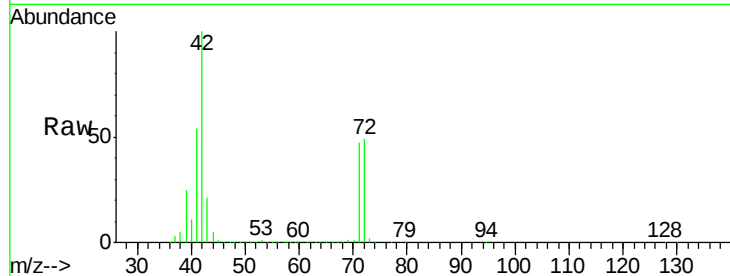
#29
Tetrahydrofuran
Concen: 255.351 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	40.6	60.8
71	47.0	37.8	56.8

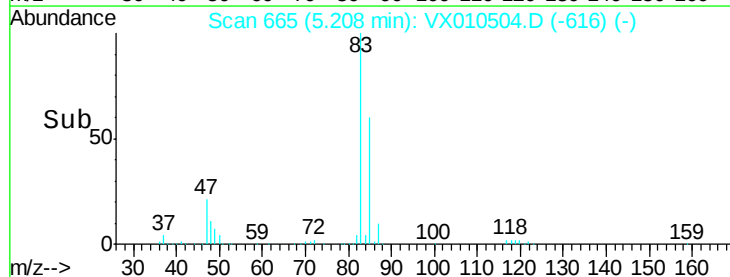
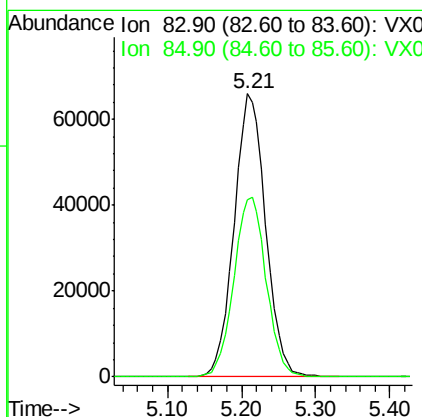
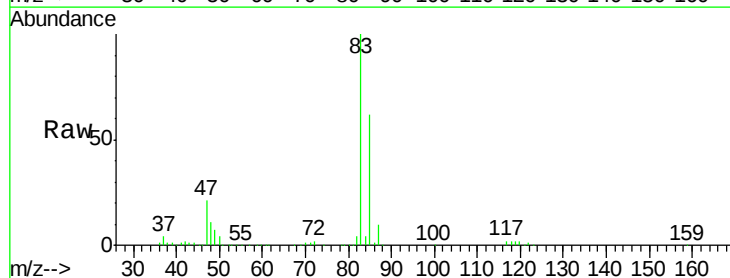
Manual Integrations
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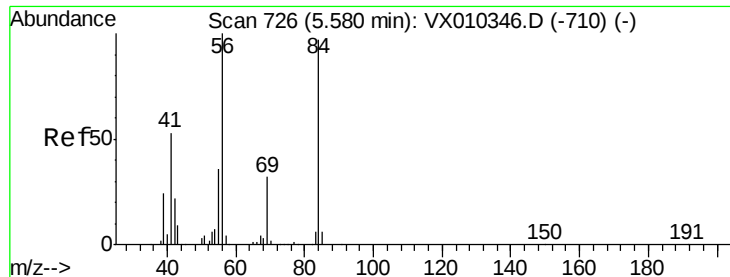
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#30
Chloroform
Concen: 50.319 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.9	76.3





#31

Cyclohexane

Concen: 47.196 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

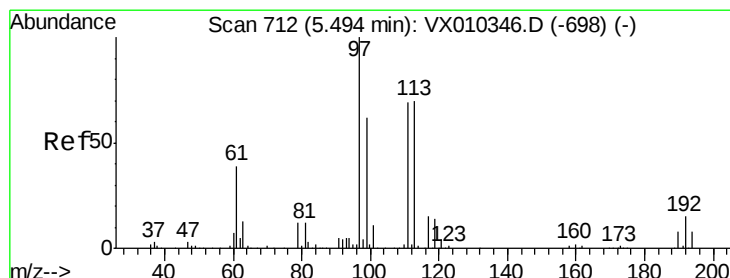
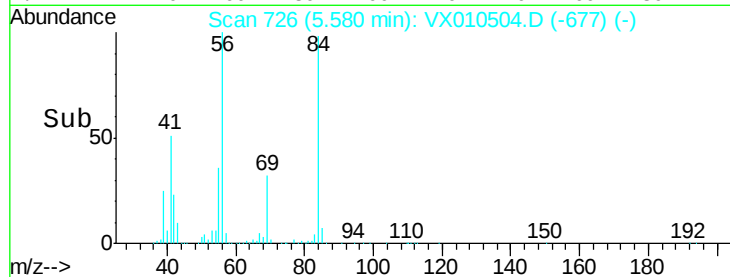
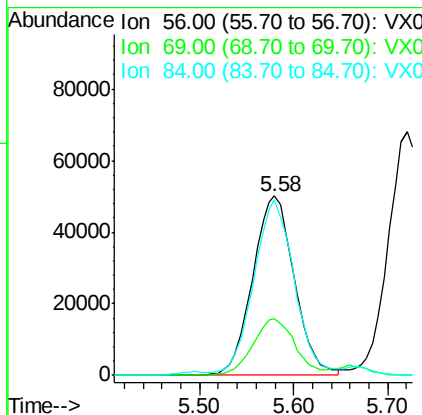
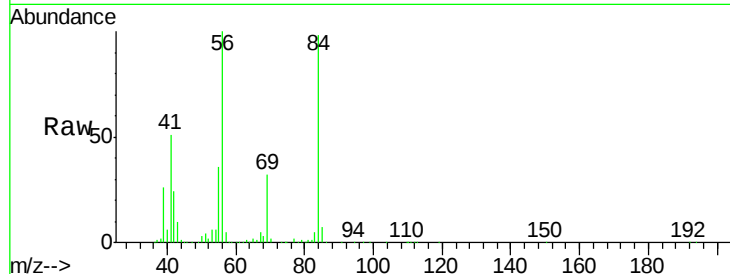
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	155343
Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.9	38.9
84	96.3	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 49.704 ug/l

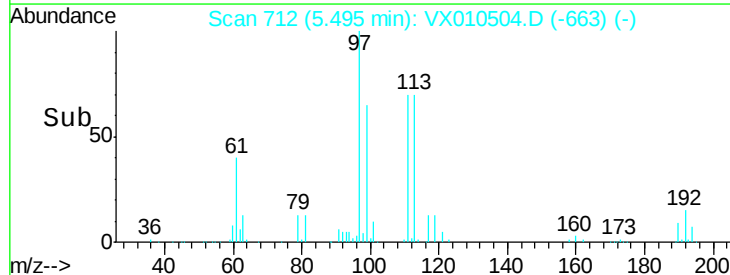
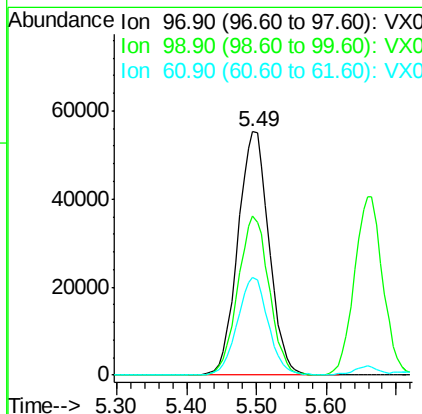
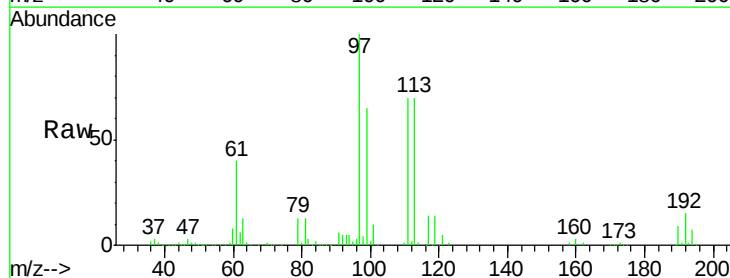
RT: 5.49 min Scan# 712

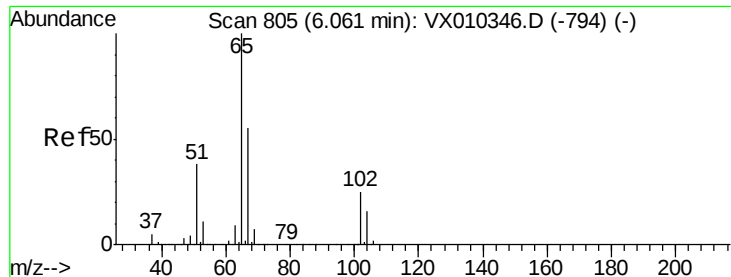
Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion:	97	Resp:	170677
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.8
61	39.9	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 49.782 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 113439

Ion Ratio Lower Upper

65 100

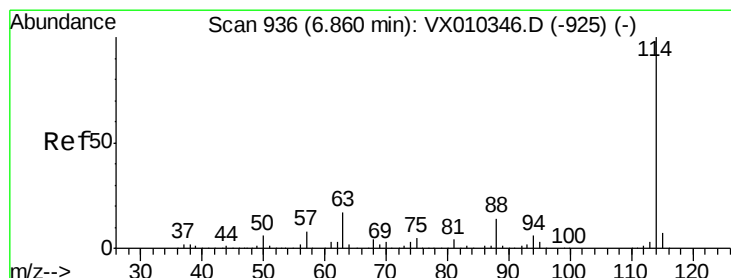
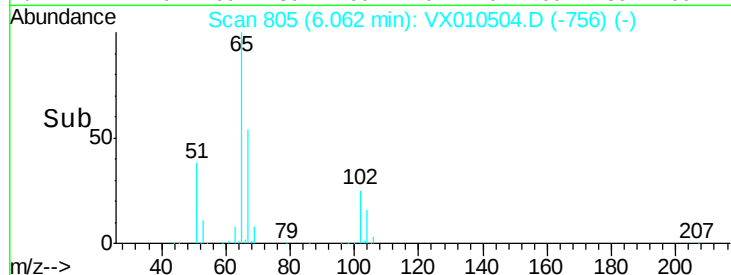
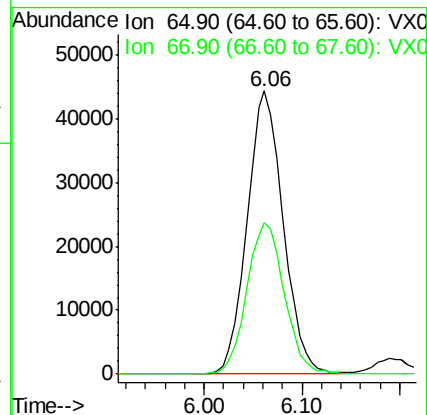
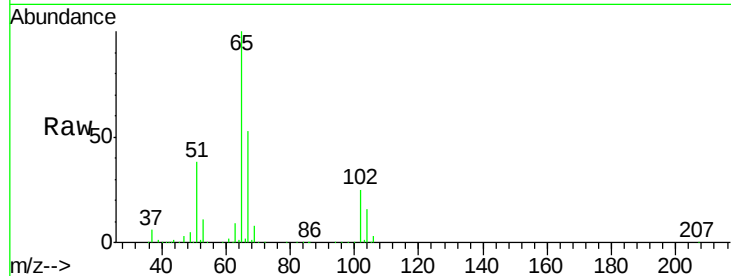
67 55.5 0.0 110.2

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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: VX010504.D

Acq: 27 Jun 2019 22:43

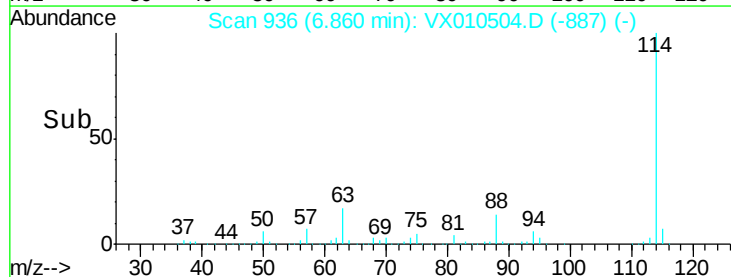
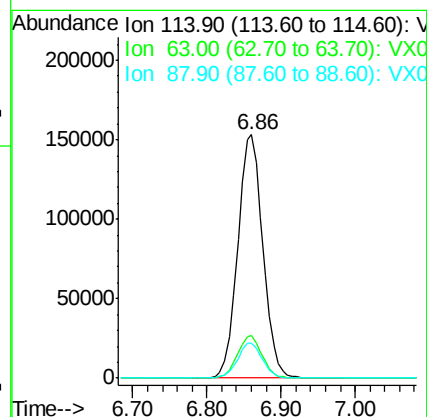
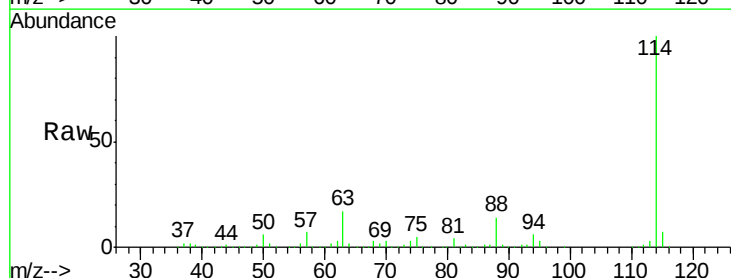
Tgt Ion: 114 Resp: 362061

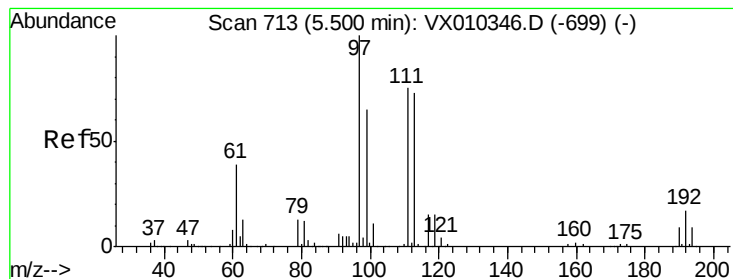
Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

88 14.4 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.523 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

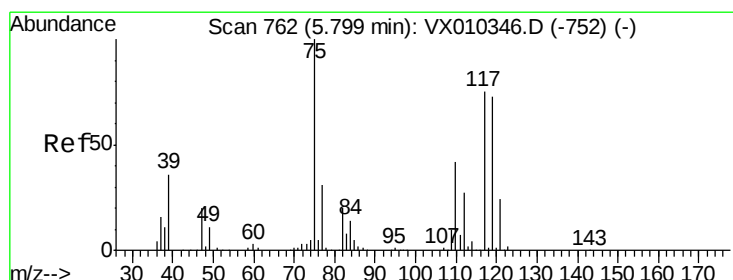
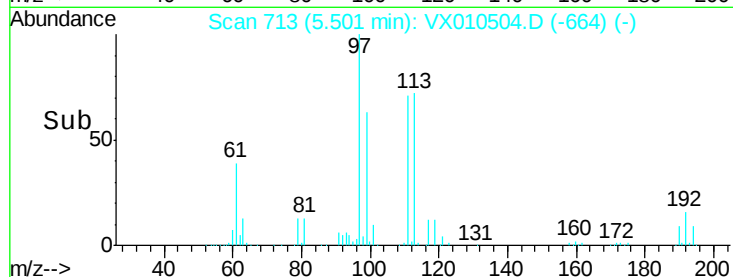
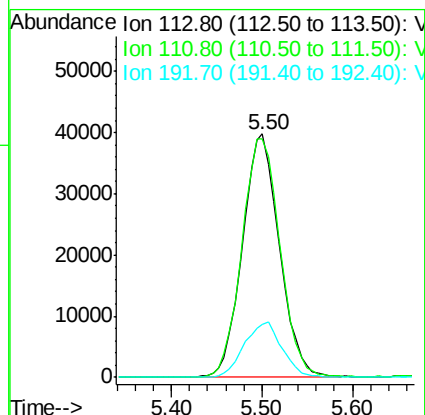
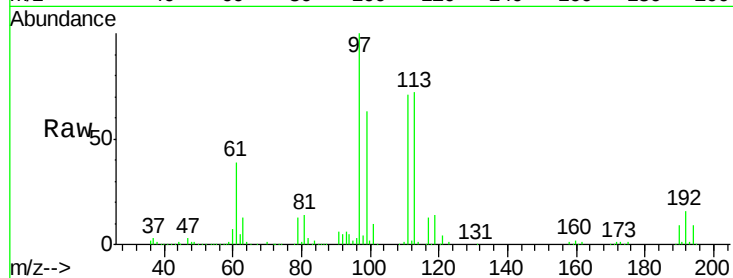
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	111920
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.2	121.8
192	23.3	18.6	27.8

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#36

1,1-Dichloropropene

Concen: 47.720 ug/l

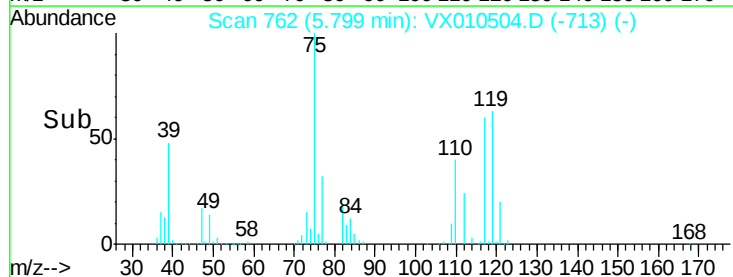
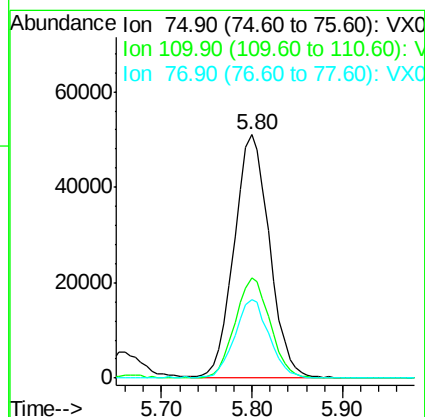
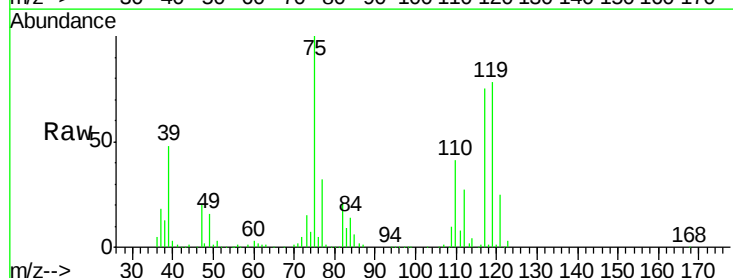
RT: 5.80 min Scan# 762

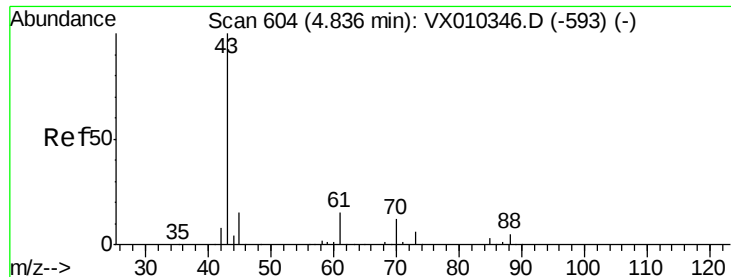
Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion:	75	Resp:	137297
Ion	Ratio	Lower	Upper
75	100		
110	41.0	20.8	62.2
77	31.8	25.4	38.0





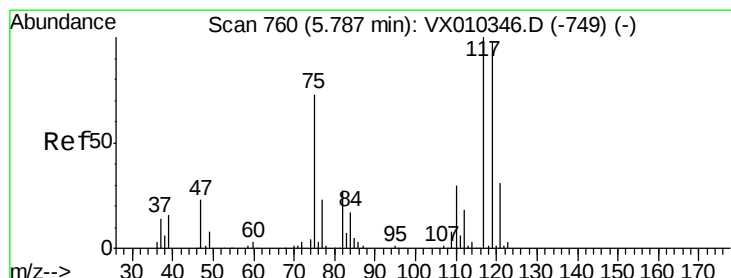
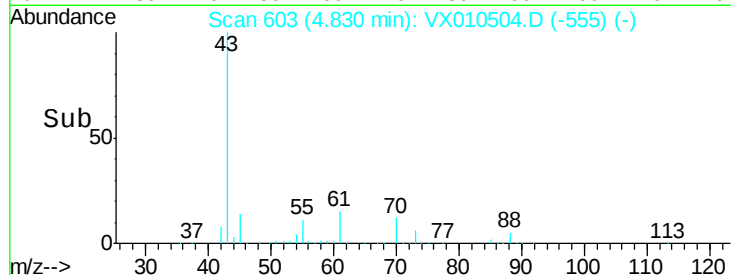
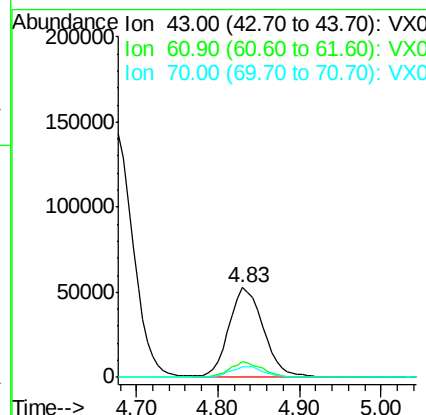
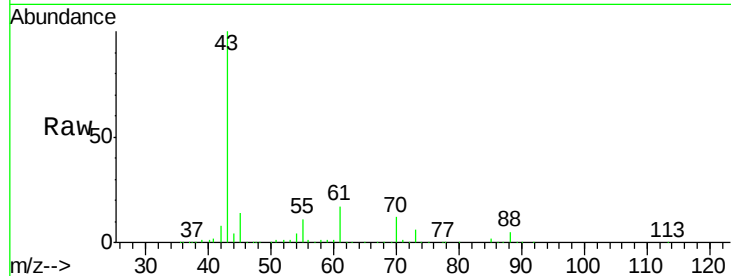
#37
Ethyl Acetate
Concen: 51.987 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	153874
Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.4	18.6
70	12.2	9.8	14.8

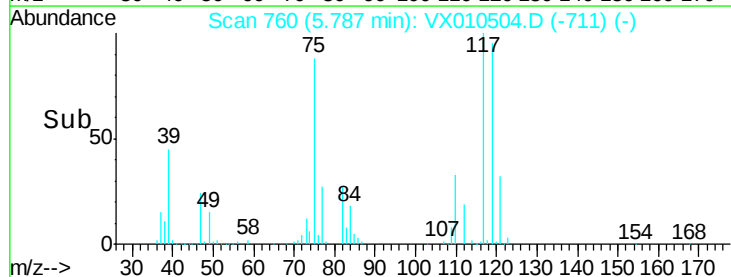
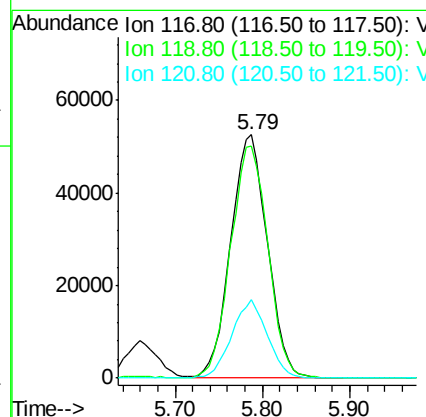
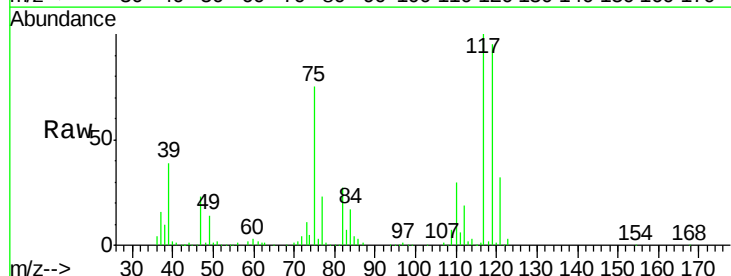
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#38
Carbon Tetrachloride
Concen: 49.321 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion:	117	Resp:	153663
Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.2	117.4
121	32.0	24.7	37.1





#39

Methvlcvclohexane

Concen: 45.590 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

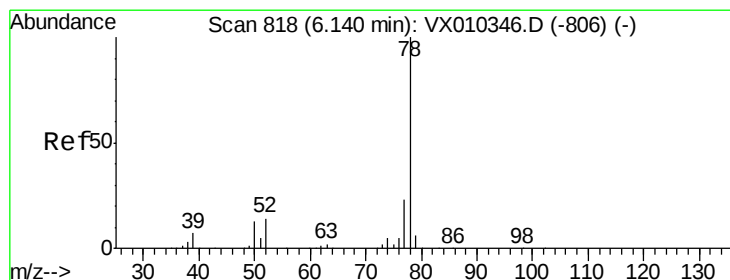
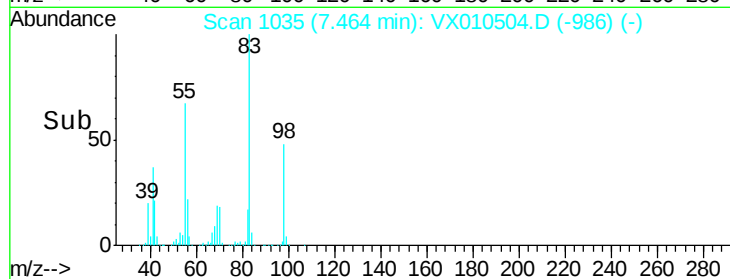
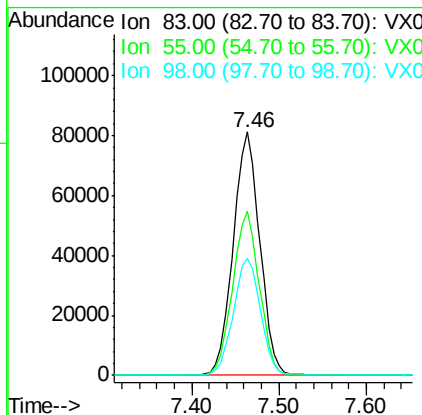
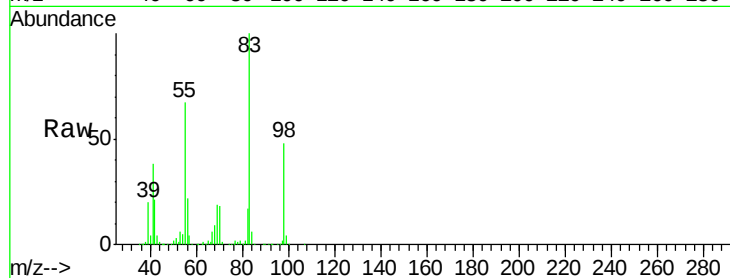
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172417
Ion	Ratio	Lower	Upper
83	100		
55	67.2	53.0	79.6
98	48.0	37.8	56.8

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#40

Benzene

Concen: 49.975 ug/l

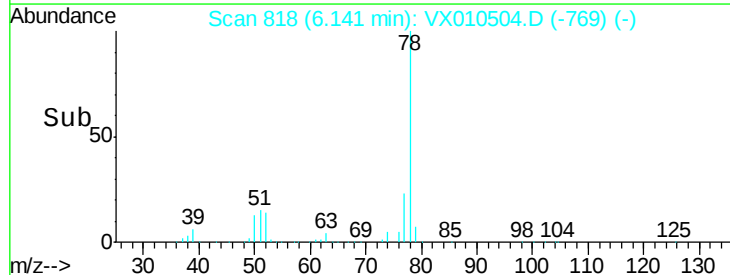
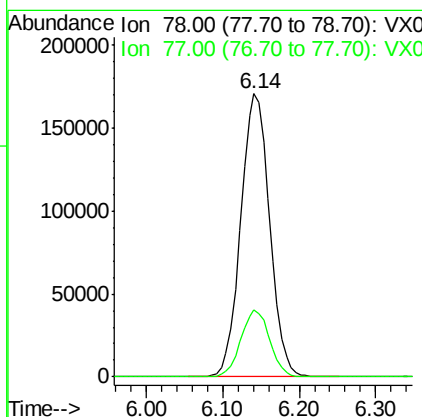
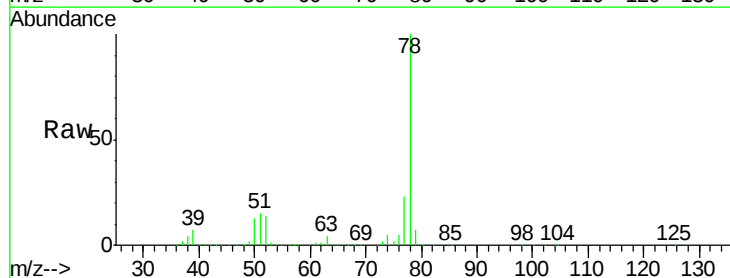
RT: 6.14 min Scan# 818

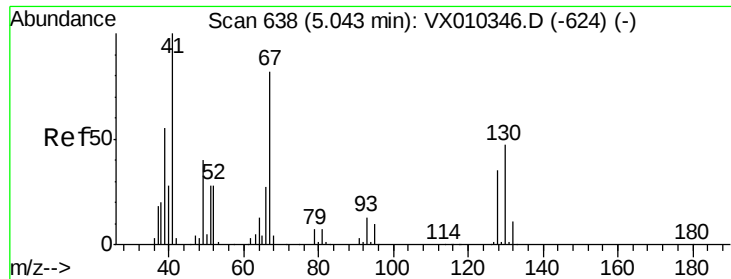
Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion:	78	Resp:	447957
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





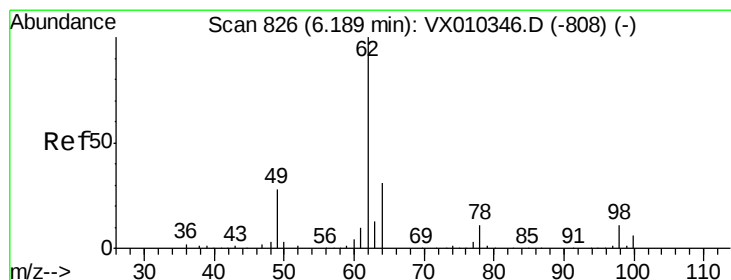
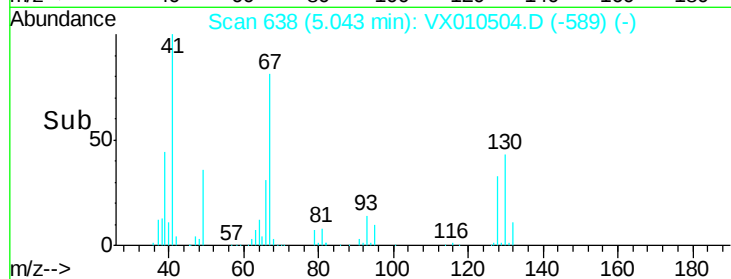
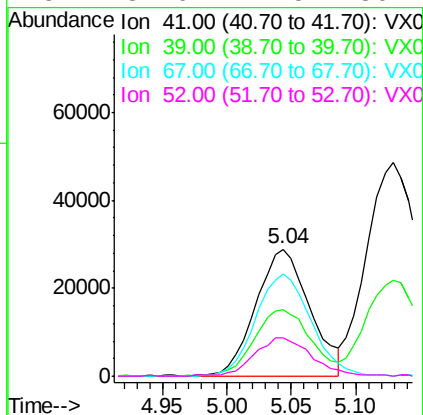
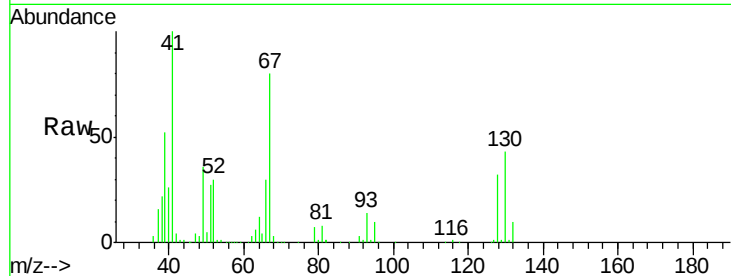
#41
Methacrylonitrile
Concen: 51.962 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	43.8	65.8	
67	82.4	66.6	100.0	
52	31.6	24.5	36.7	

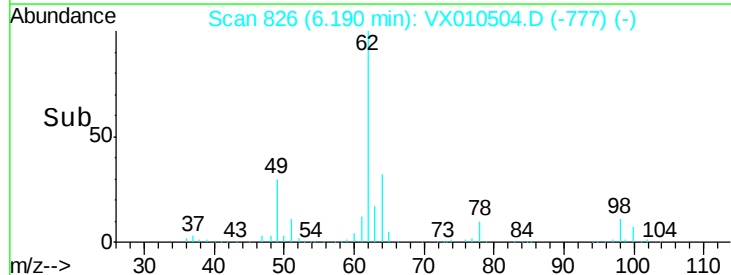
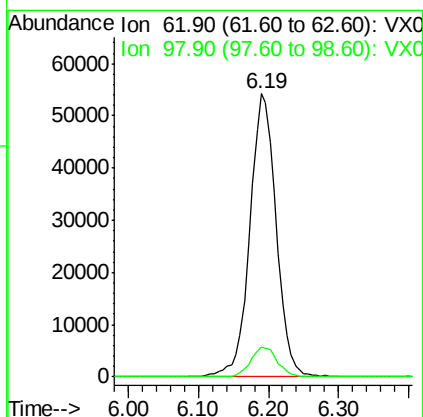
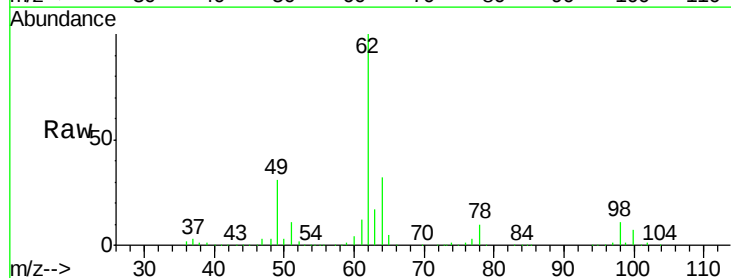
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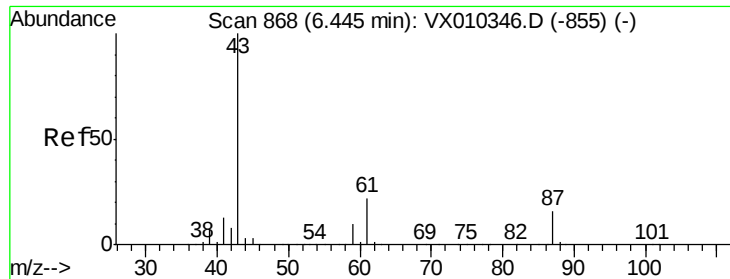
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.877 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	22.2	





#43

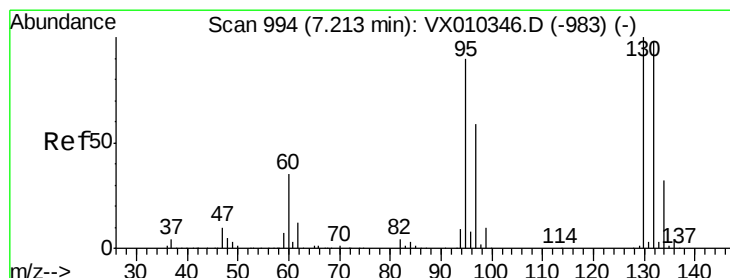
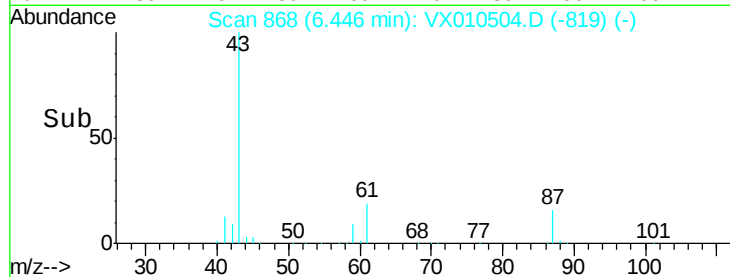
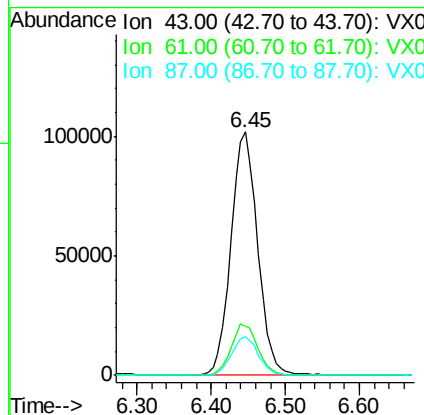
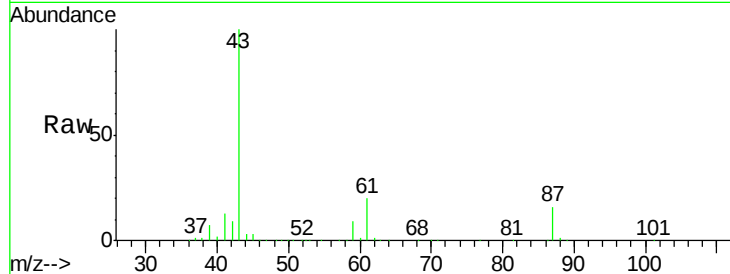
Isopropyl Acetate
 Concen: 51.946 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.8	26.6
87	15.9	13.0	19.4

Manual Integrations
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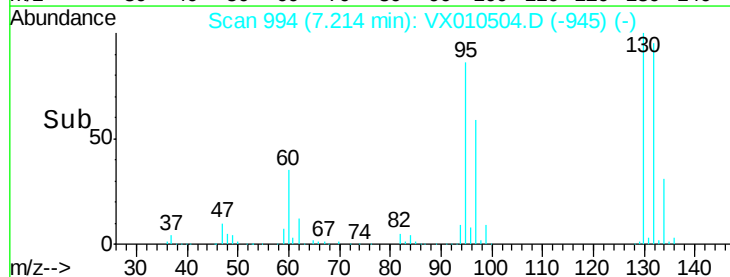
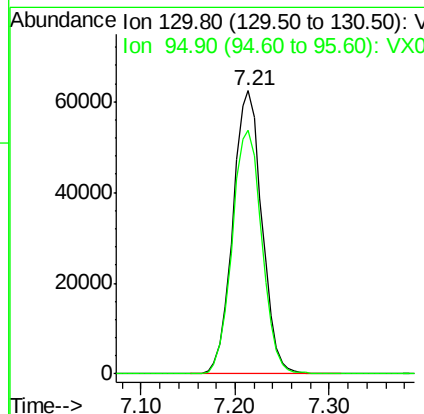
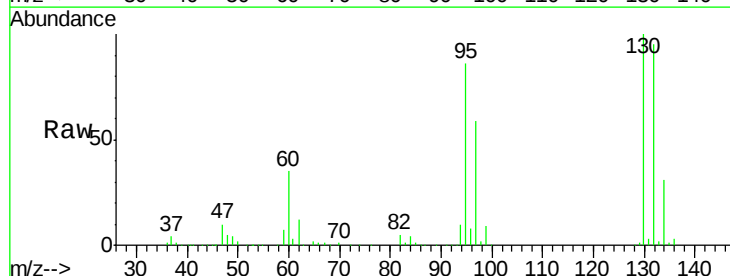
MMDadoda
 6/28/2019 10:36:46 AM

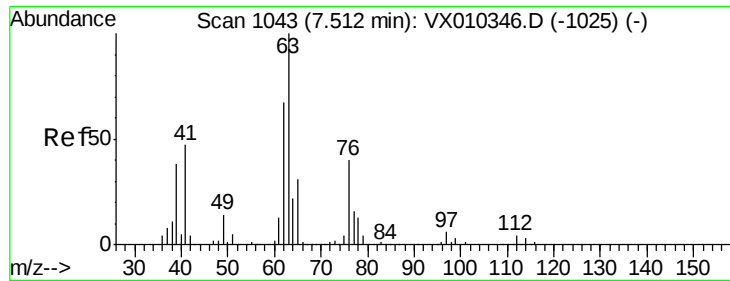


#44

Trichloroethene
 Concen: 49.877 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.2	0.0	180.8





#45

1,2-Dichloropropane

Concen: 50.104 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 113414

Ion Ratio Lower Upper

63 100

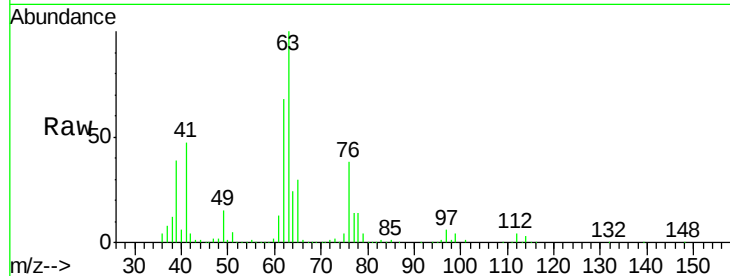
65 30.1 24.8 37.2

Manual Integrations

APPROVED

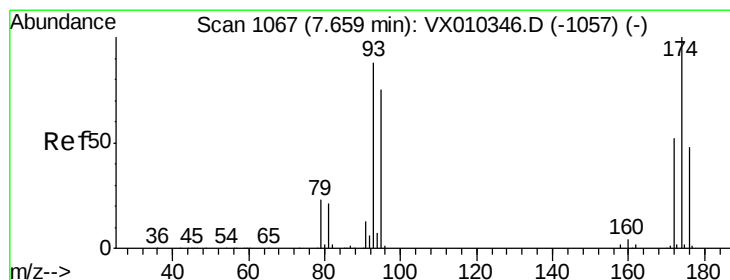
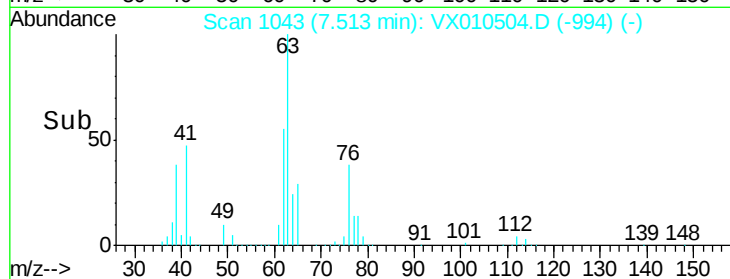
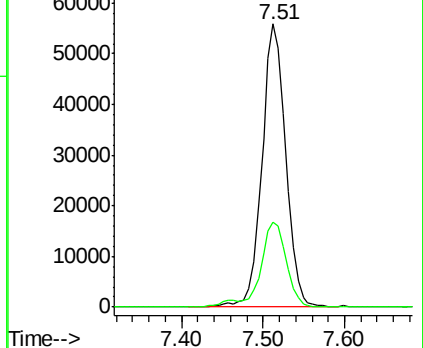
MMDadoda

6/28/2019 10:36:46 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.354 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

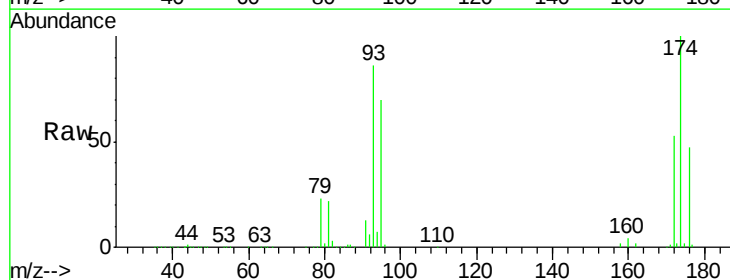
Tgt Ion: 93 Resp: 81778

Ion Ratio Lower Upper

93 100

95 85.0 67.5 101.3

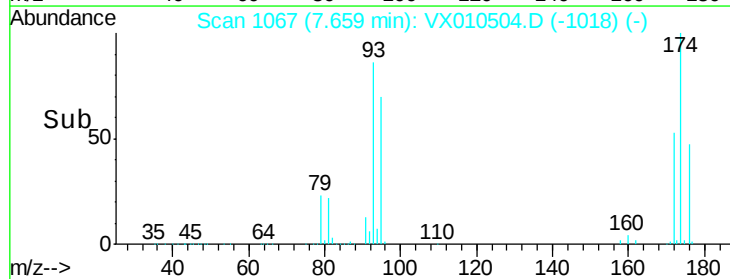
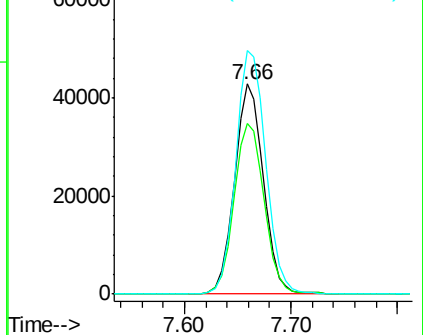
174 120.2 95.8 143.6

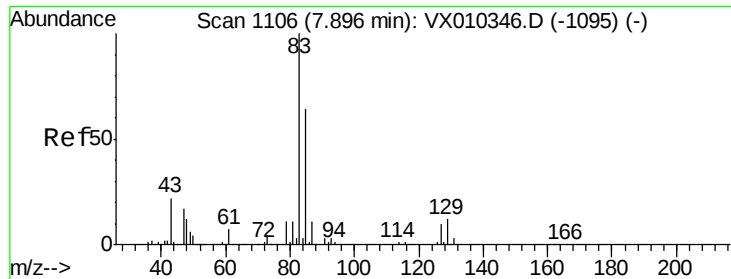


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





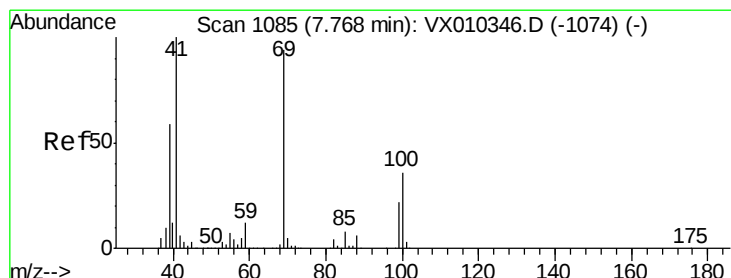
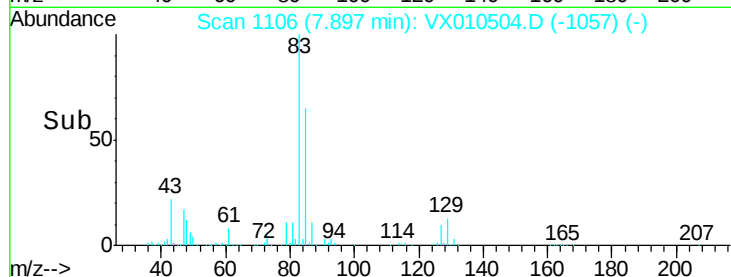
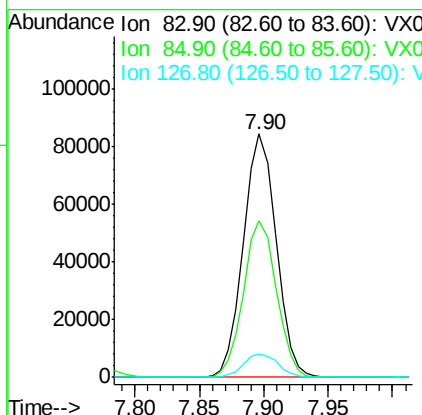
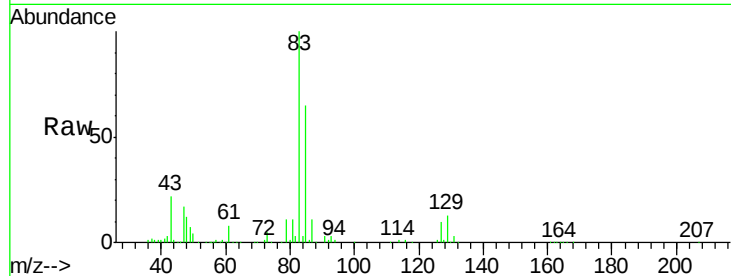
#47
Bromodichloromethane
Concen: 50.052 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	148970
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.5	77.3
127	9.6	7.8	11.8

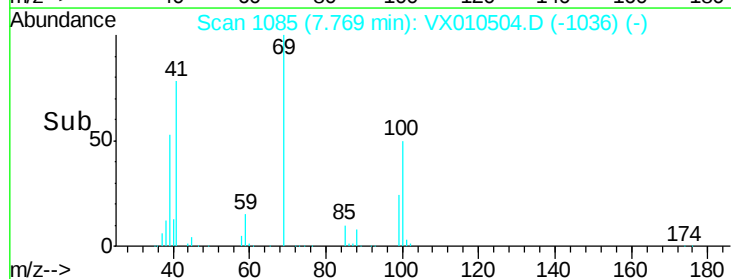
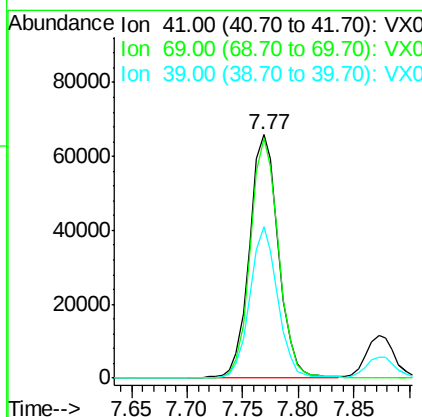
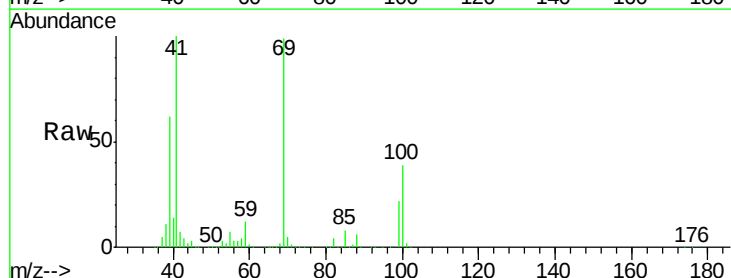
Manual Integrations
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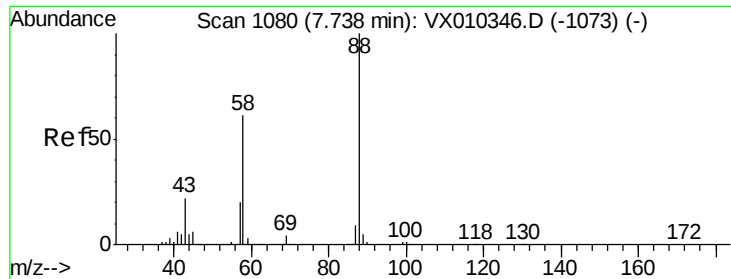
MMDadoda
6/28/2019 10:36:46 AM



#48
Methyl methacrylate
Concen: 52.372 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	41	Resp	119211
Ion Ratio	100	Lower	Upper
41	100		
69	96.2	76.1	114.1
39	58.9	47.6	71.4





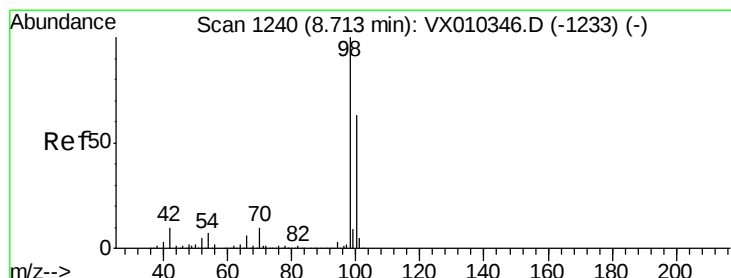
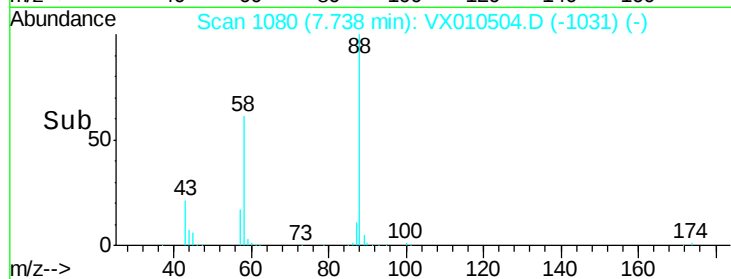
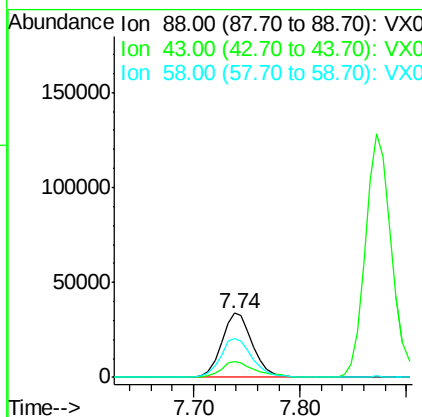
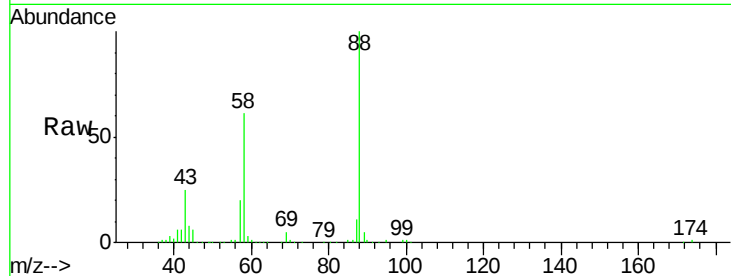
#49
1,4-Dioxane
Concen: 1034.721 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	20.2	30.2
58	62.1	49.5	74.3

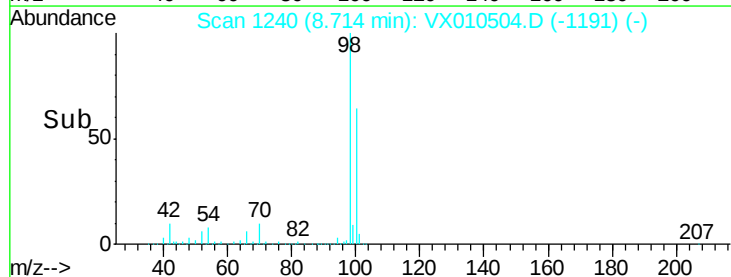
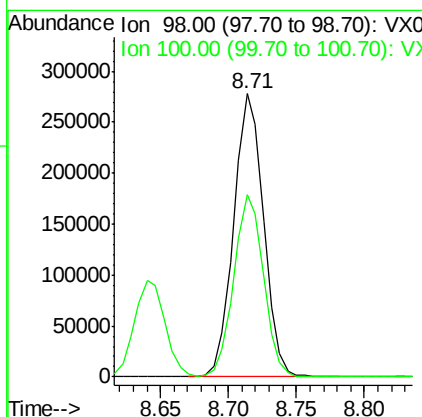
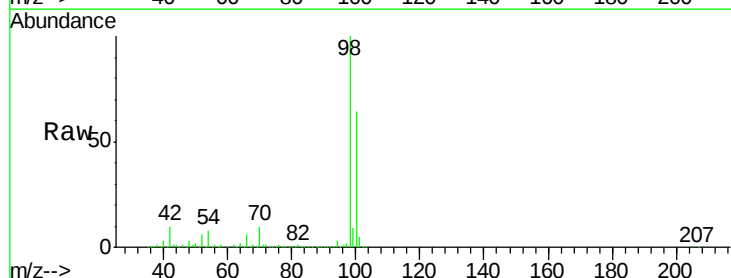
Manual Integrations
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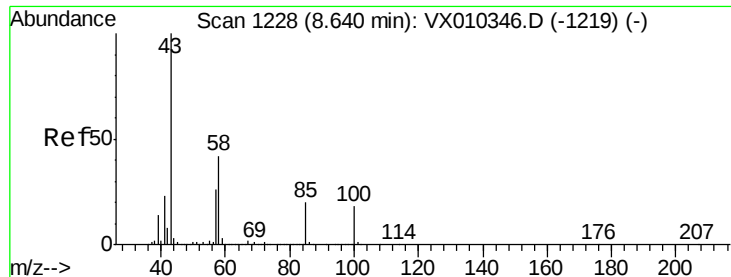
MMDadoda
6/28/2019 10:36:46 AM



#50
Toluene-d8
Concen: 50.066 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 267.891 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 839029

Ion Ratio Lower Upper

43 100

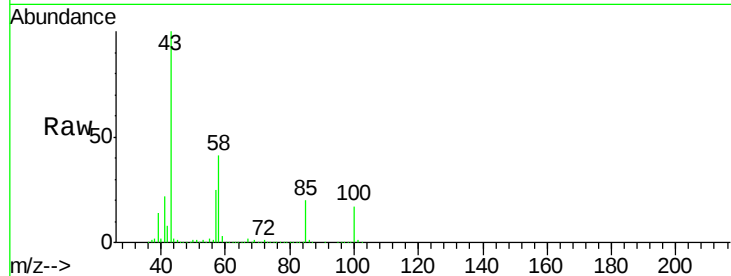
58 41.1 33.5 50.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

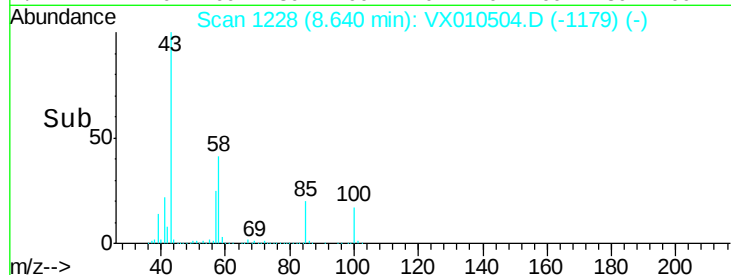
300000

200000

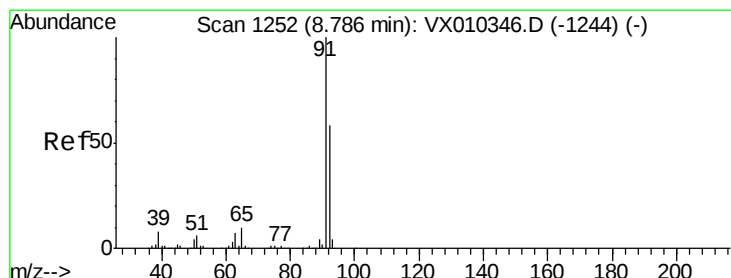
100000

0

Time-->



Time-->



#52

Toluene

Concen: 49.797 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010504.D

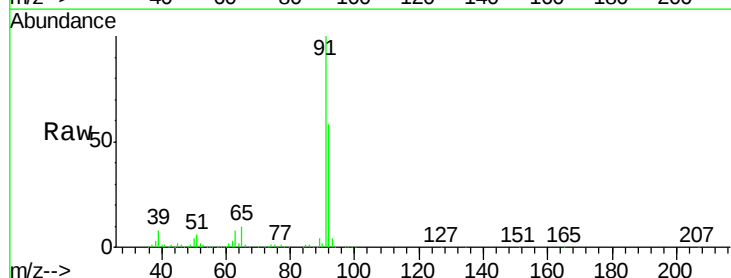
Acq: 27 Jun 2019 22:43

Tgt Ion: 92 Resp: 293943

Ion Ratio Lower Upper

92 100

91 174.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

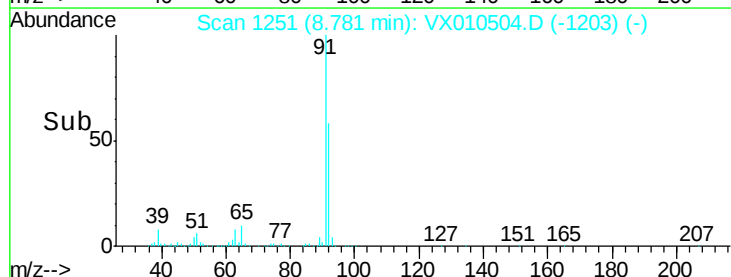
300000

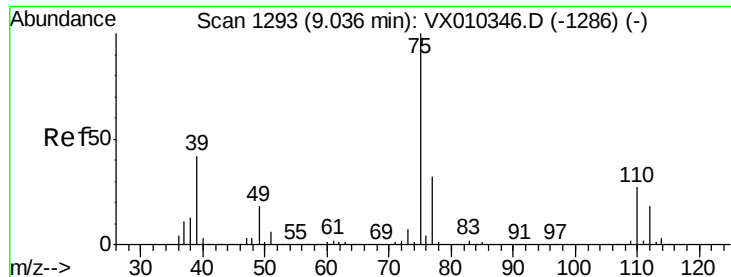
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.994 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tot Ion: 75 Resp: 160147

Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

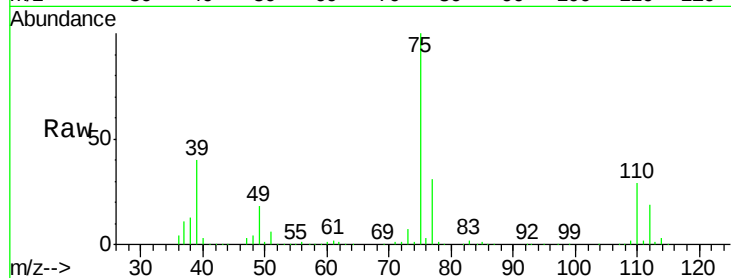
VSTDCCC050

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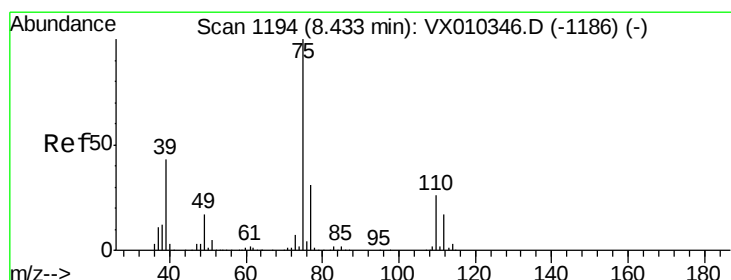
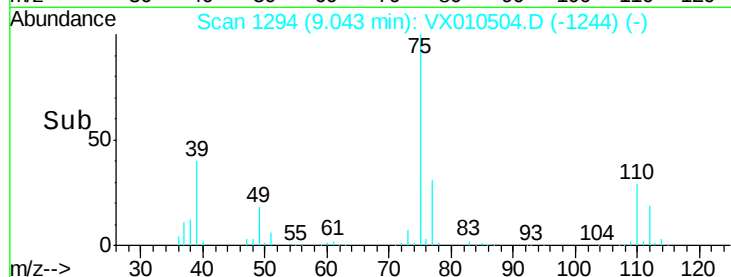
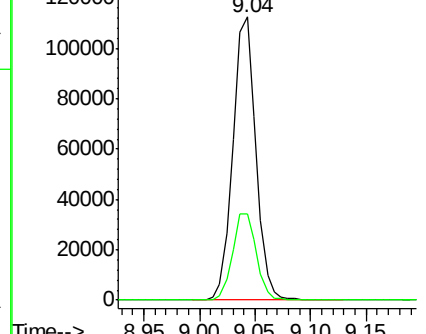
MMDadoda

6/28/2019 10:36:46 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 48.850 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

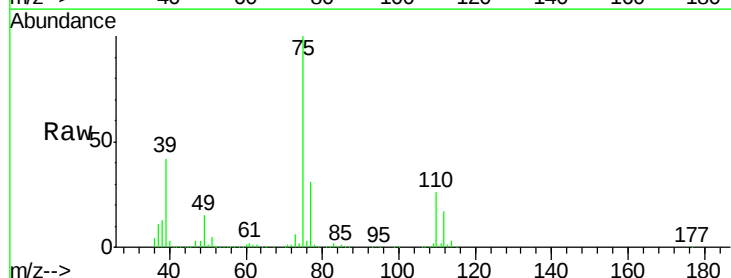
Tgt Ion: 75 Resp: 177140

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

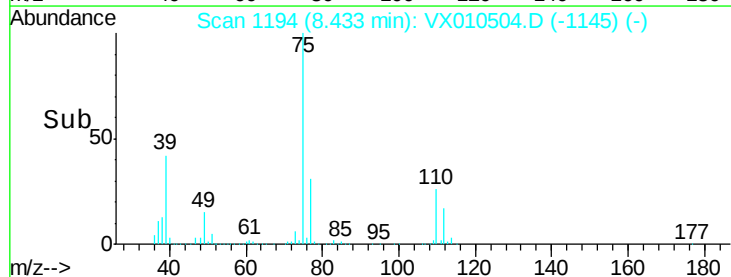
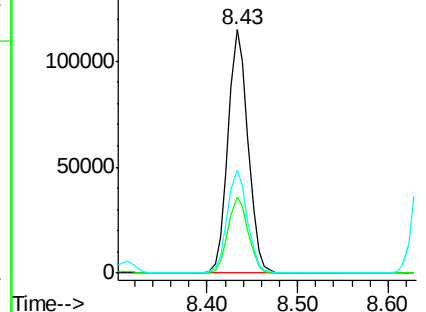
39 42.3 34.5 51.7

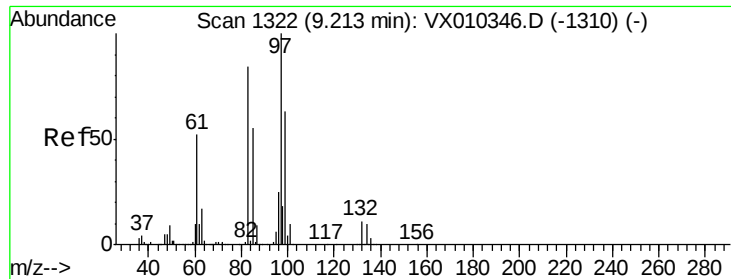


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





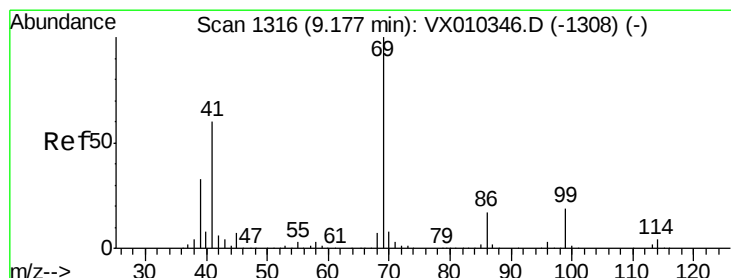
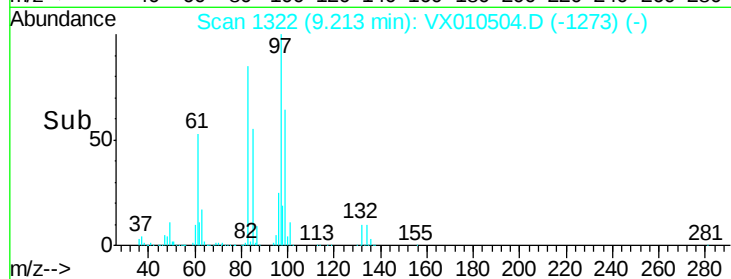
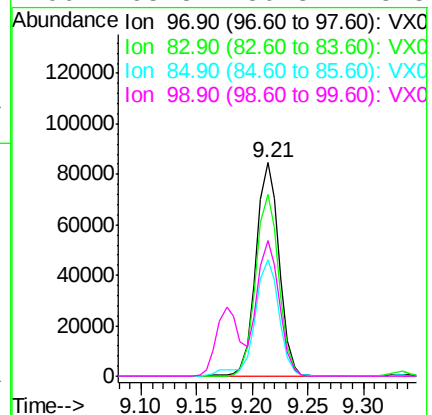
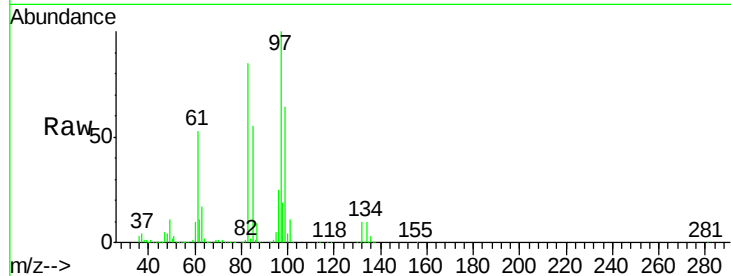
#55
 1,1,2-Trichloroethane
 Concen: 50.697 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		123421		
83	85.3	67.4	101.0		
85	54.7	43.8	65.8		
99	63.8	50.3	75.5		

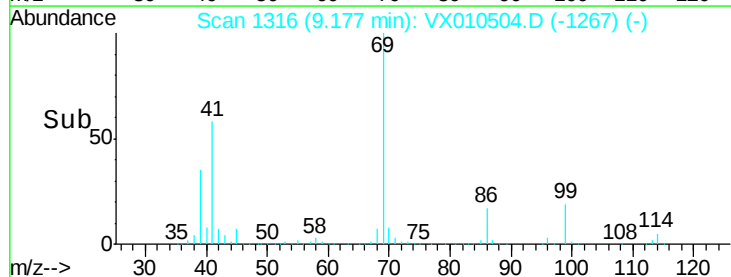
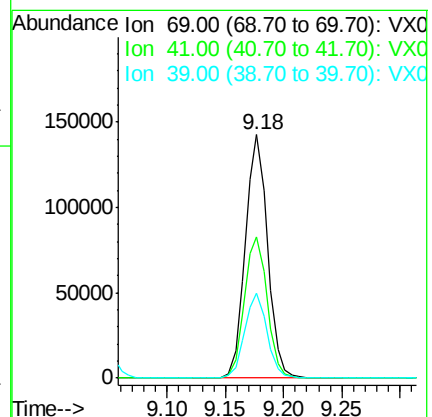
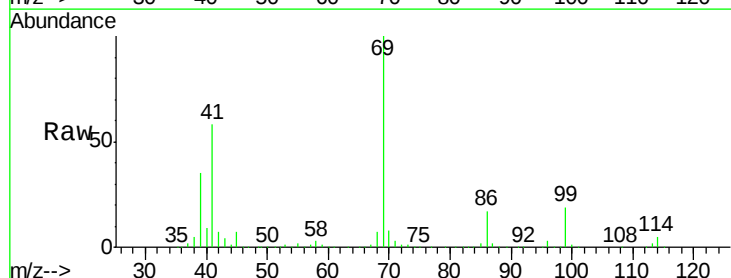
Manual Integrations
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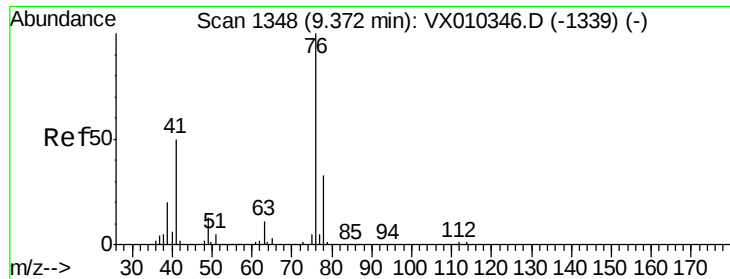
MMDadoda
 6/28/2019 10:36:46 AM



#56
 Ethyl methacrylate
 Concen: 51.659 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		190515		
41	59.7	47.1	70.7		
39	34.9	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 51.006 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 192754

Ion Ratio Lower Upper

76 100

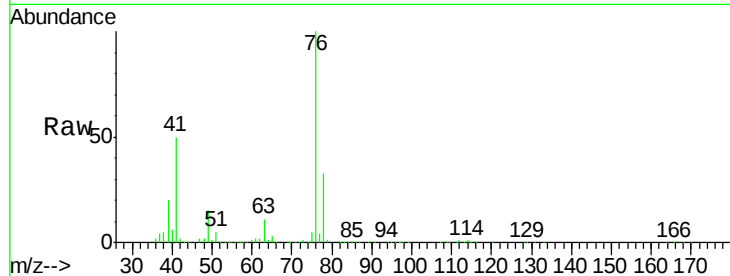
78 32.6 26.1 39.1

Manual Integrations

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MMDadoda

6/28/2019 10:36:46 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

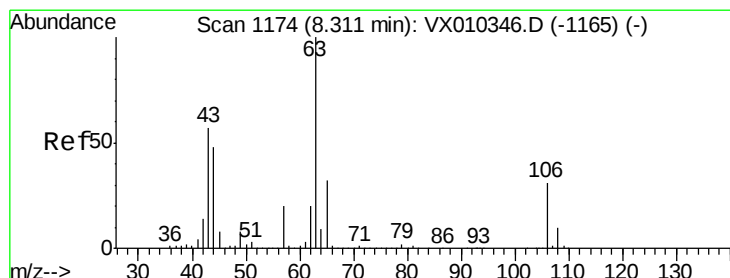
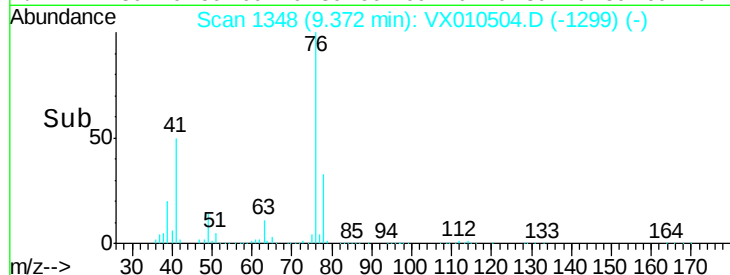
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.068 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010504.D

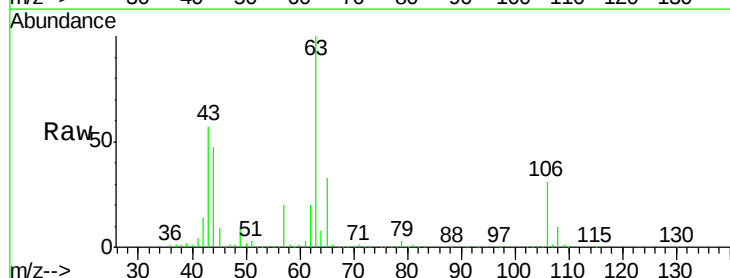
Acq: 27 Jun 2019 22:43

Tgt Ion: 63 Resp: 427482

Ion Ratio Lower Upper

63 100

106 31.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

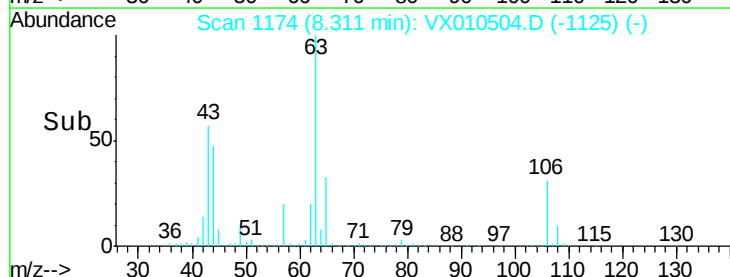
150000

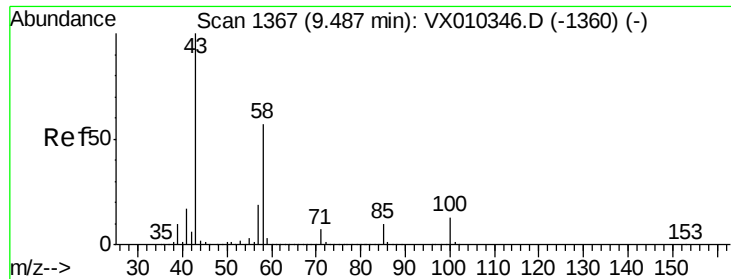
100000

50000

0

Time-->





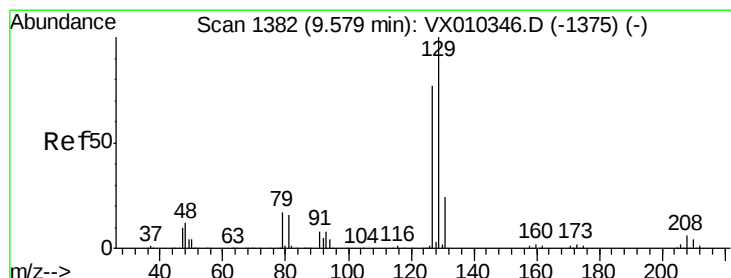
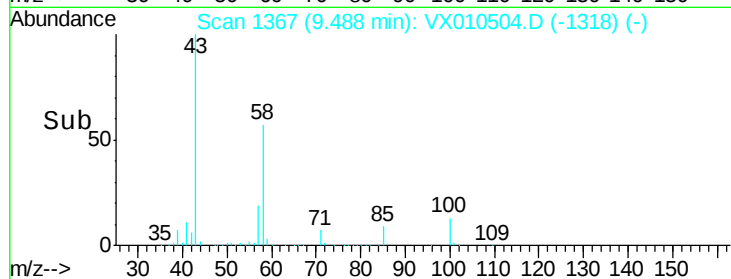
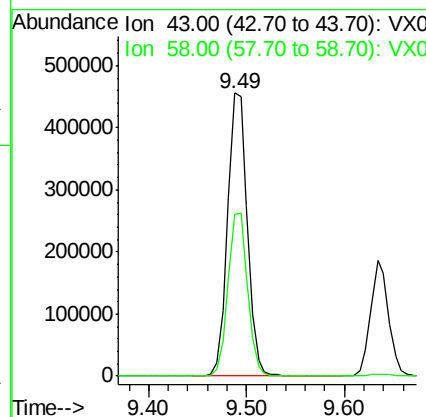
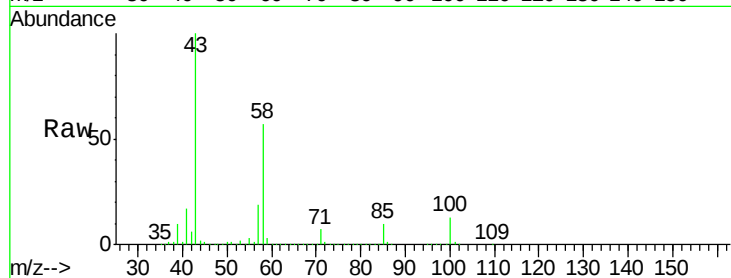
#59
2-Hexanone
Concen: 258.776 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 637878
Ion Ratio Lower Upper
43 100
58 57.4 29.0 87.1

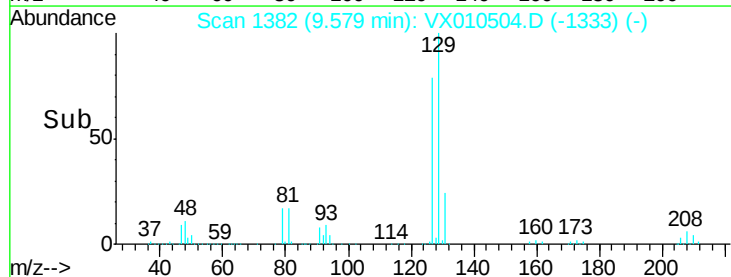
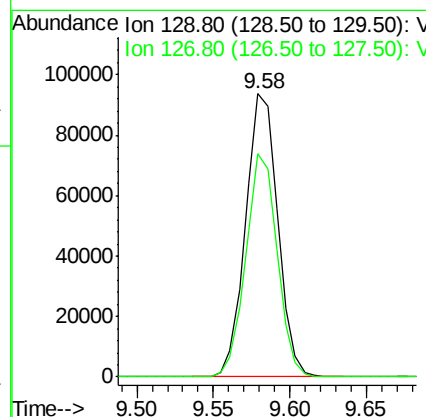
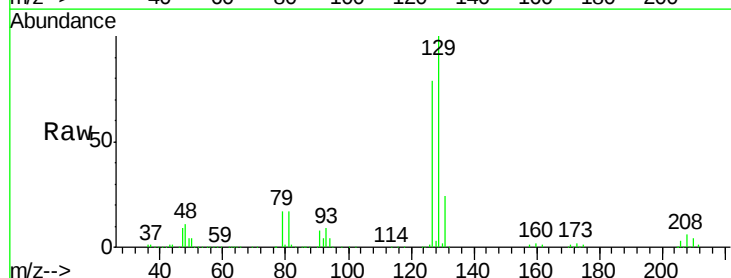
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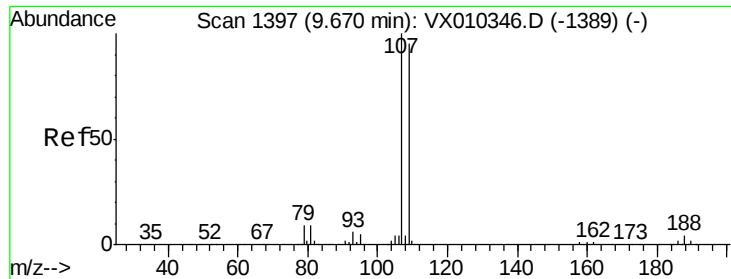
MMDadoda
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#60
Dibromochloromethane
Concen: 50.176 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion: 129 Resp: 136771
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 50.756 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 133373

Ion Ratio Lower Upper

107 100

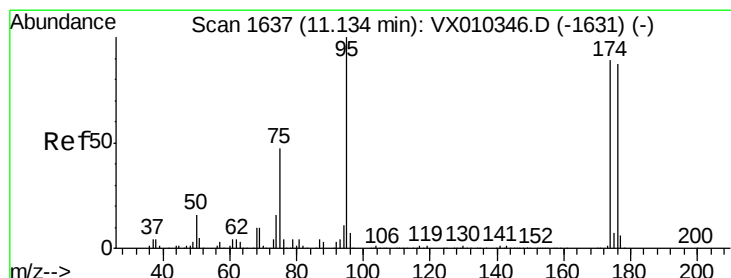
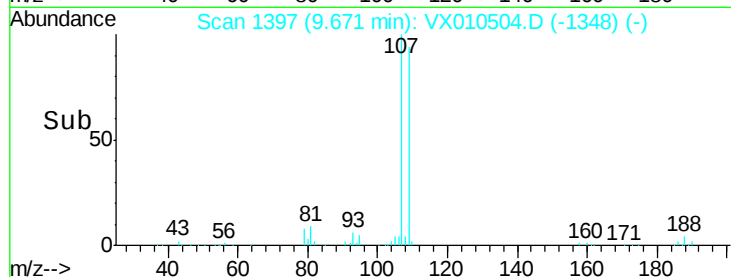
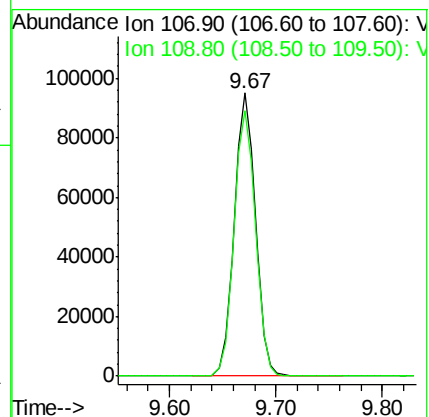
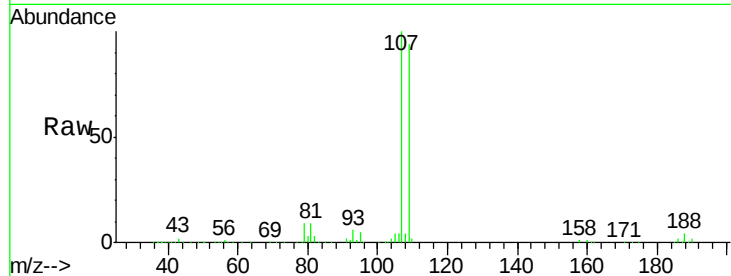
109 95.4 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 50.605 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

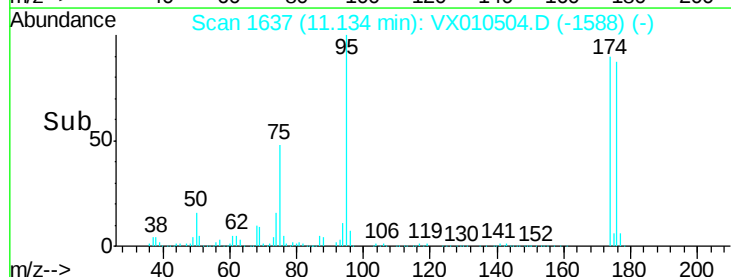
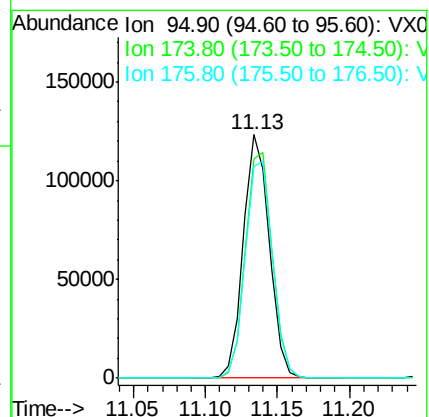
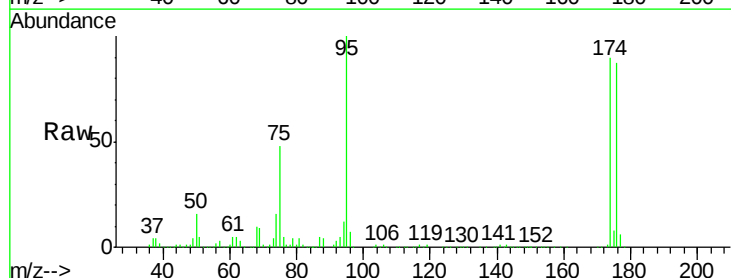
Tgt Ion: 95 Resp: 154836

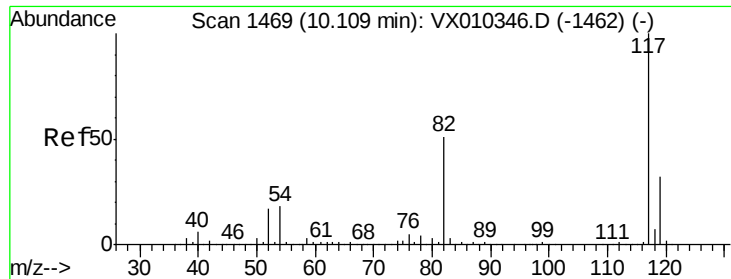
Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.6

176 92.4 0.0 184.0





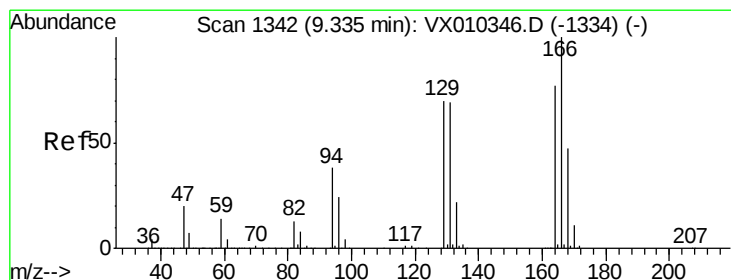
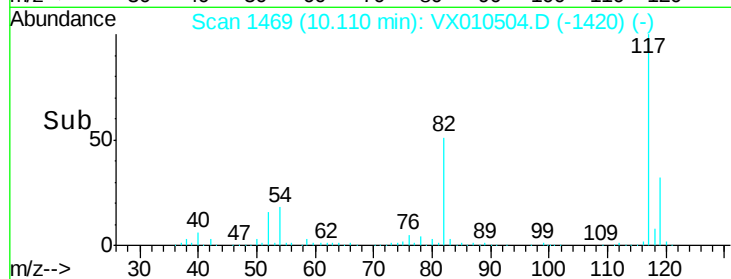
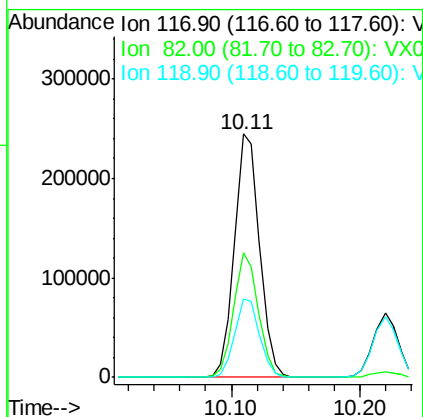
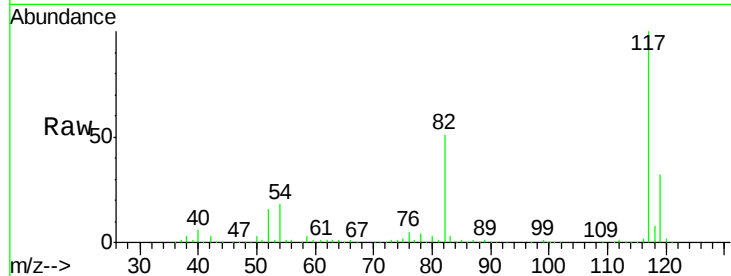
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.2	61.8
119	32.2	25.5	38.3

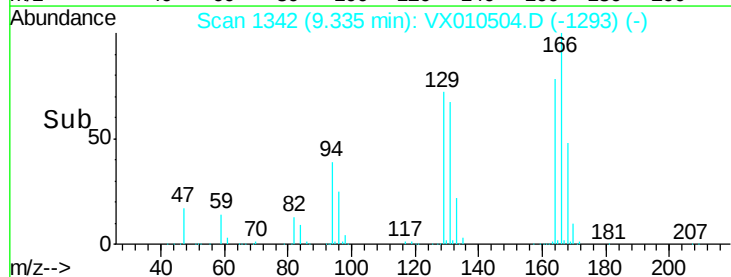
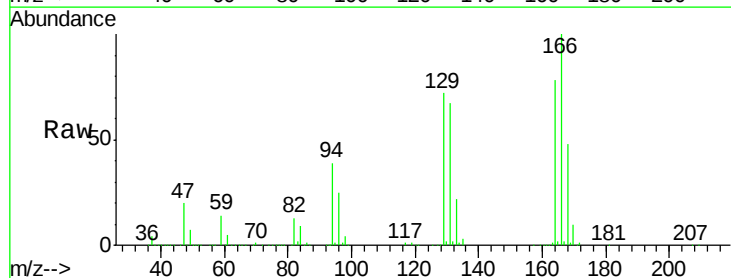
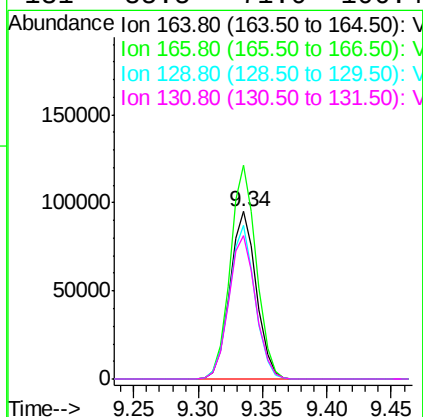
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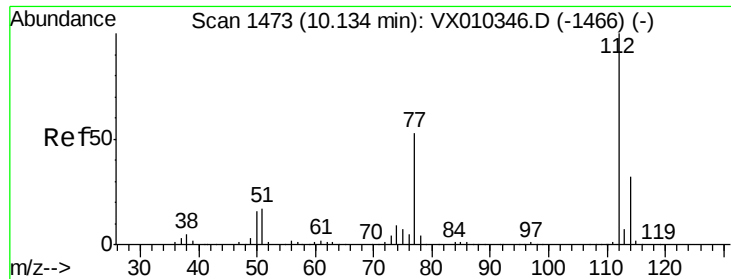
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#64
Tetrachloroethene
Concen: 50.669 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	103.6	155.4
129	91.8	73.0	109.4
131	85.5	71.0	106.4





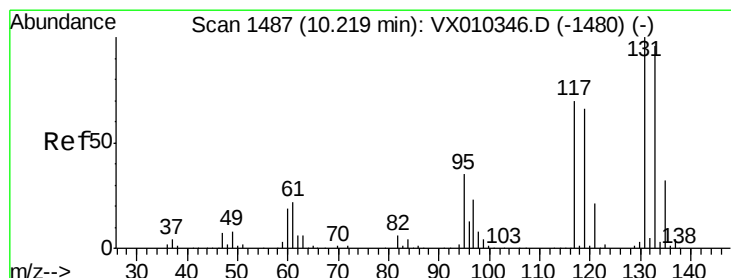
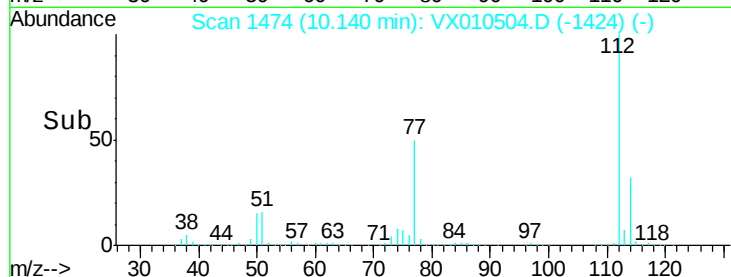
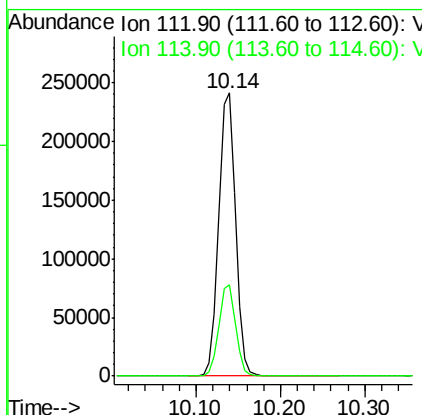
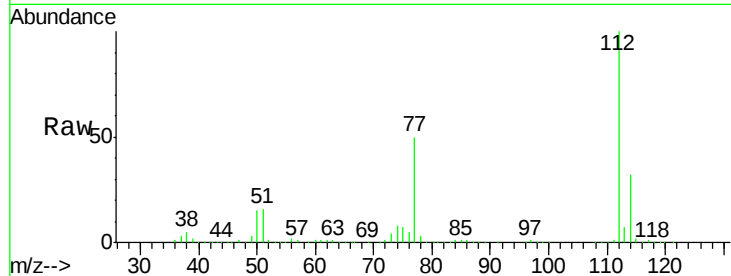
#65
Chlorobenzene
Concen: 49.739 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 336928
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

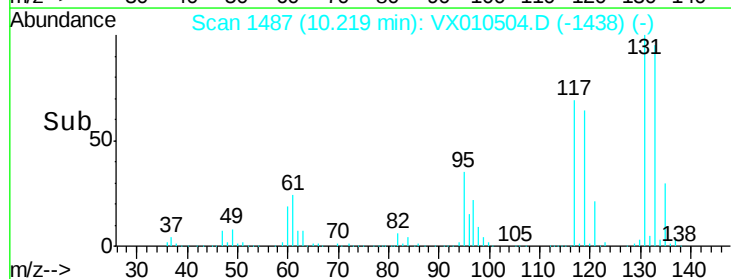
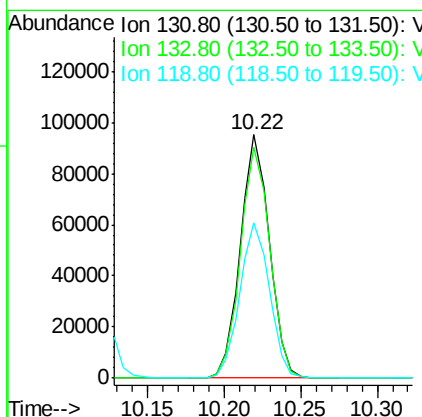
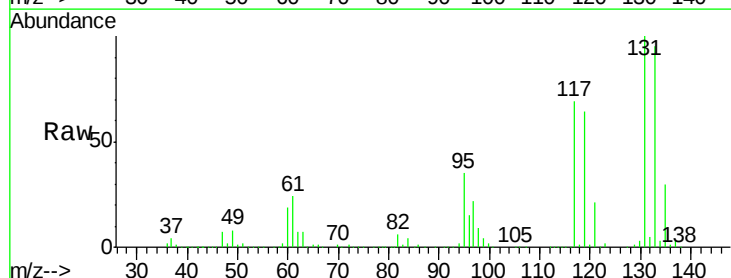
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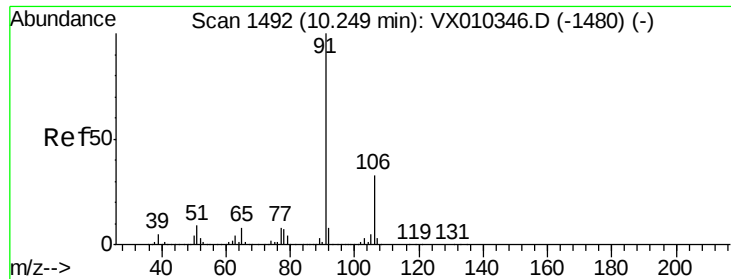
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.989 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion:131 Resp: 125811
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 65.4 32.6 97.7





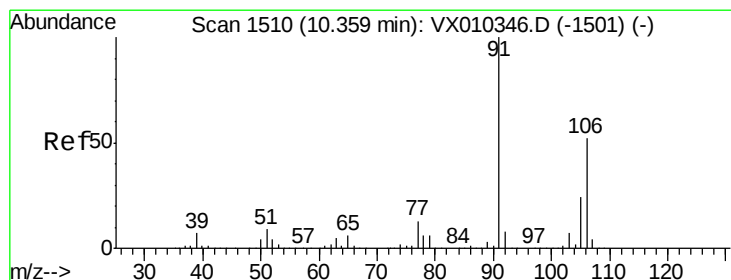
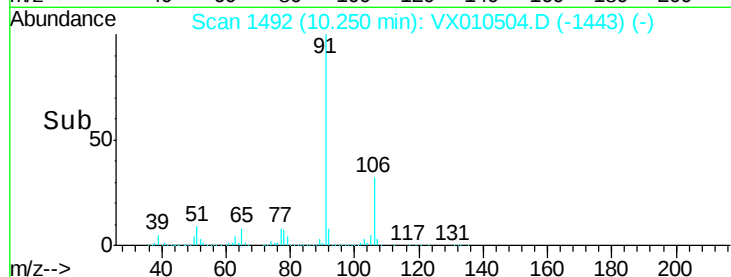
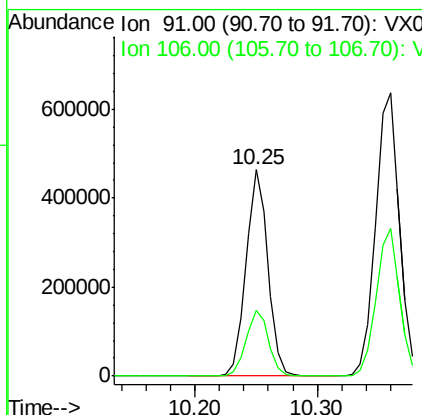
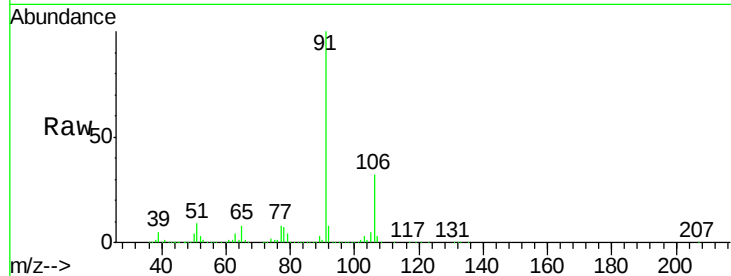
#67
Ethyl Benzene
Concen: 50.126 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 573237
Ion Ratio Lower Upper
91 100
106 31.9 26.2 39.2

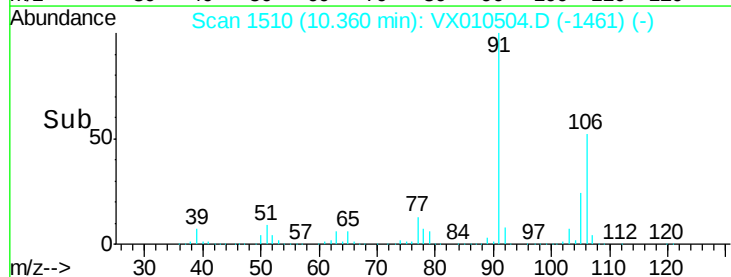
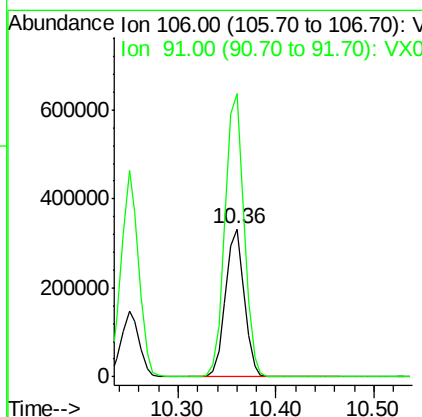
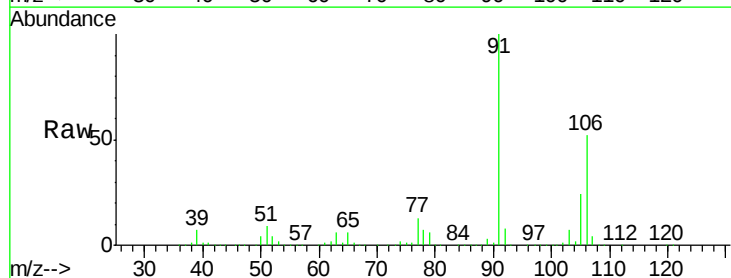
Manual Integrations
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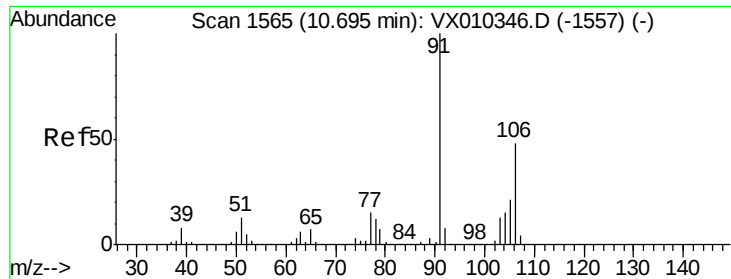
MMDadoda
6/28/2019 10:36:46 AM



#68
m/p-Xylenes
Concen: 99.942 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion: 106 Resp: 442854
Ion Ratio Lower Upper
106 100
91 194.8 155.3 232.9





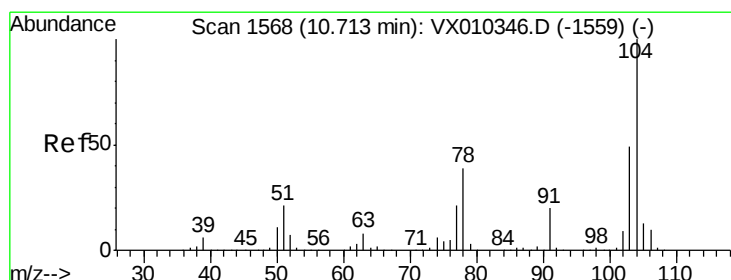
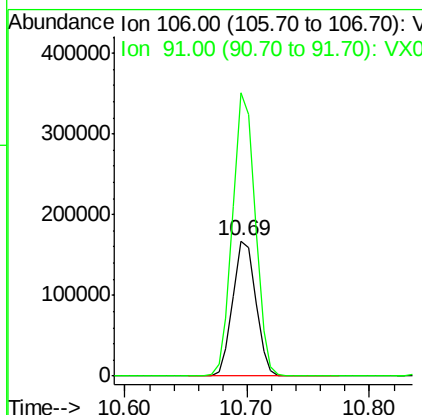
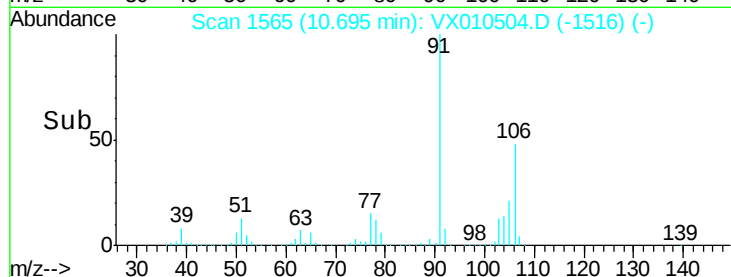
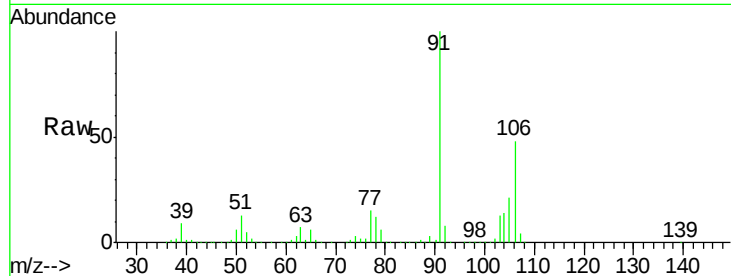
#69
o-Xylene
Concen: 50.079 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 218222
Ion Ratio Lower Upper
106 100
91 205.1 102.7 308.1

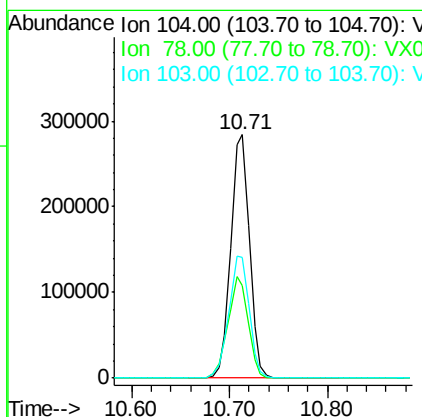
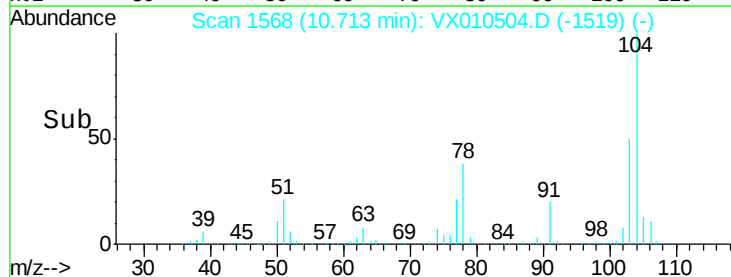
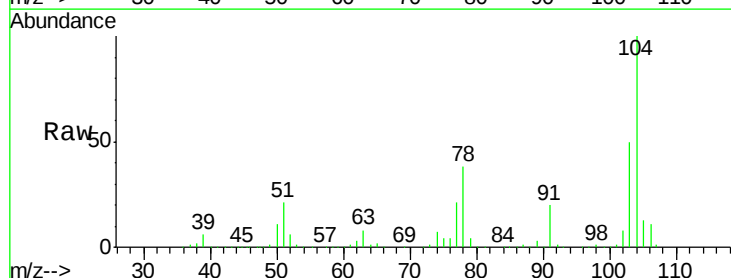
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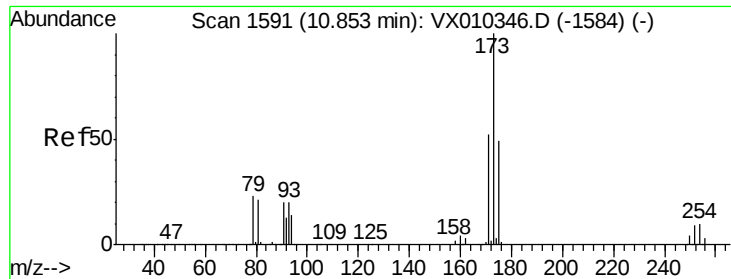
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#70
Styrene
Concen: 51.632 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion:104 Resp: 377322
Ion Ratio Lower Upper
104 100
78 45.2 36.2 54.2
103 54.9 44.2 66.4





#71

Bromoform

Concen: 49.918 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 107111

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

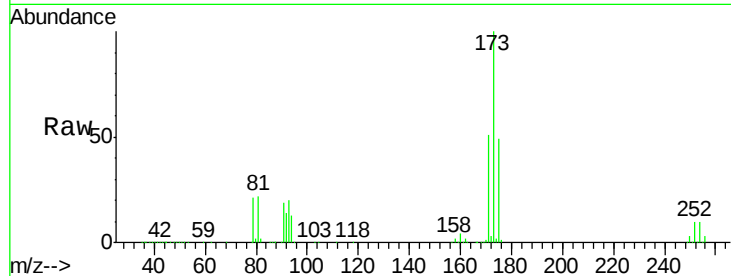
254 0.2 0.2 0.2

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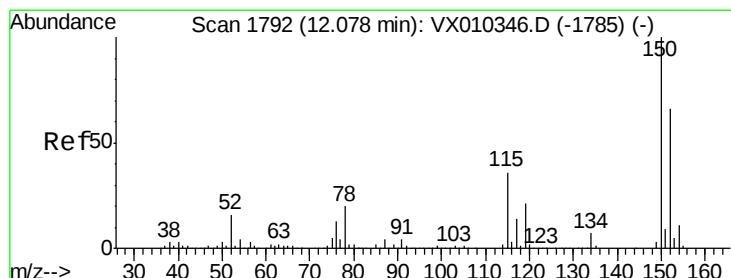
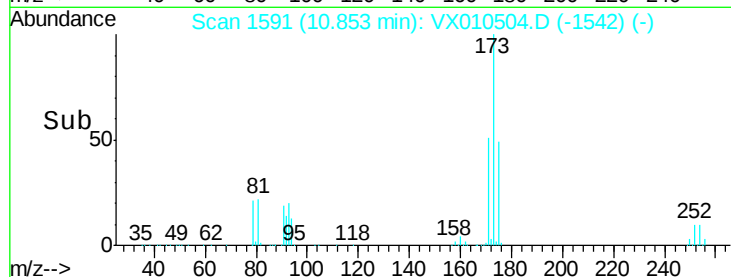
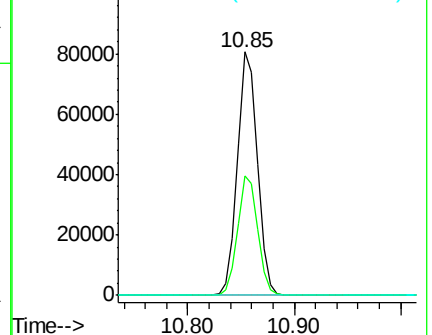
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX010504.D

Acq: 27 Jun 2019 22:43

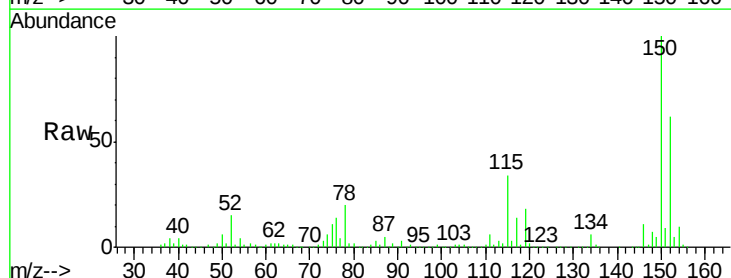
Tgt Ion:152 Resp: 171573

Ion Ratio Lower Upper

152 100

115 76.9 38.6 115.7

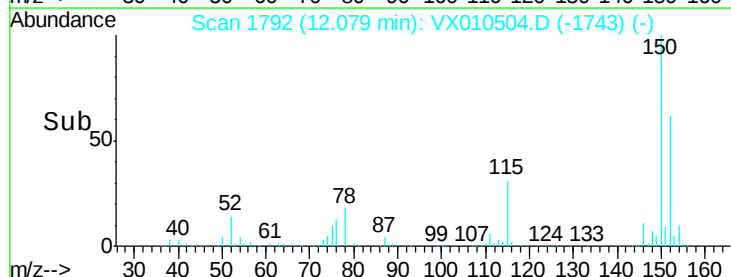
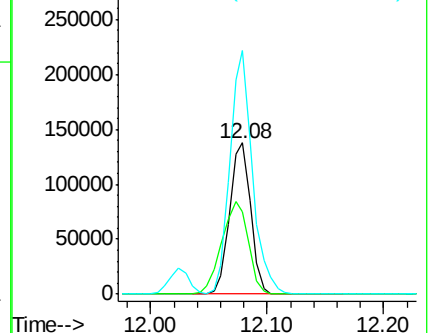
150 172.3 0.0 347.4



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: 50.013 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 581674

Ion Ratio Lower Upper

105 100

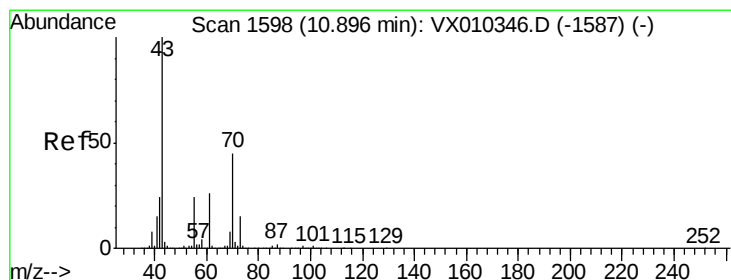
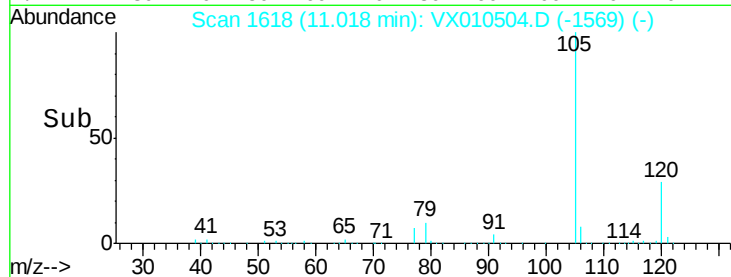
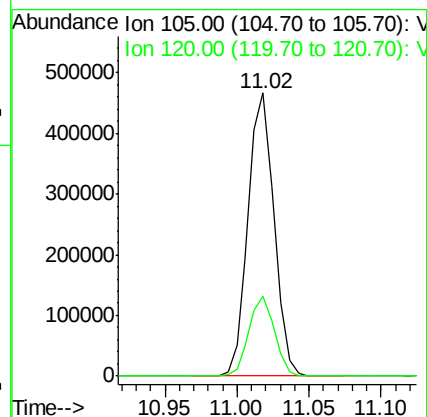
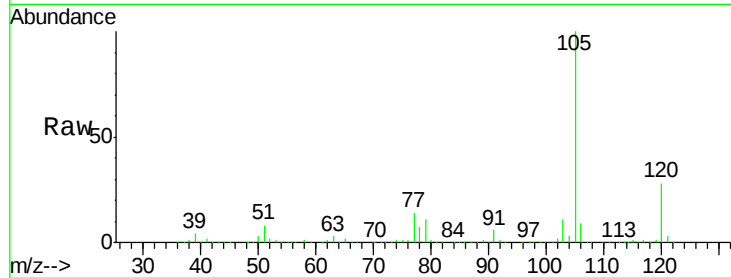
120 27.8 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.028 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion: 43 Resp: 228685

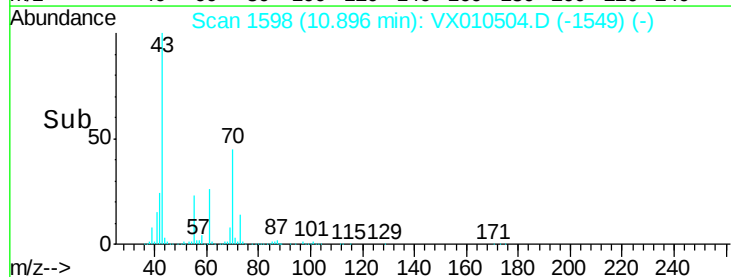
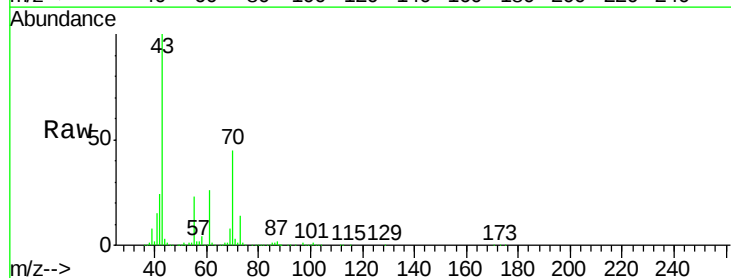
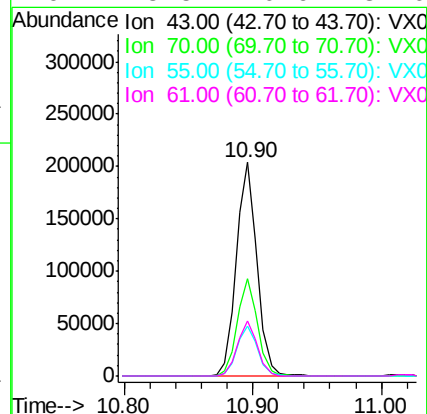
Ion Ratio Lower Upper

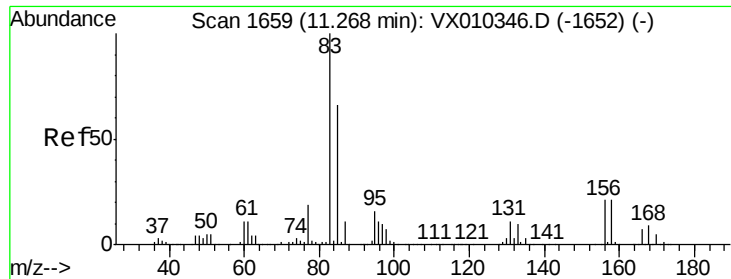
43 100

70 44.9 36.6 54.8

55 23.6 18.7 28.1

61 25.5 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.246 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 193532
Ion Ratio Lower Upper

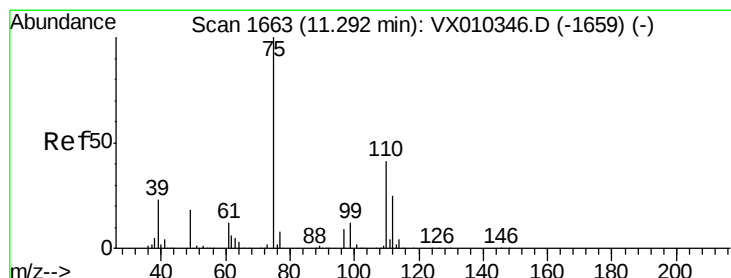
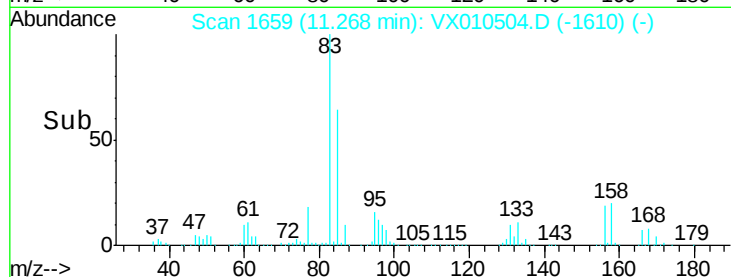
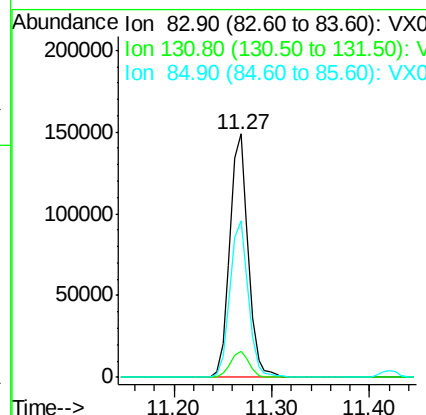
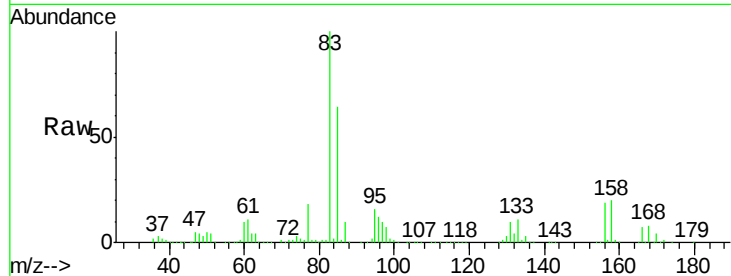
83 100

131 10.8 5.5 16.4

85 64.8 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 50.984 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

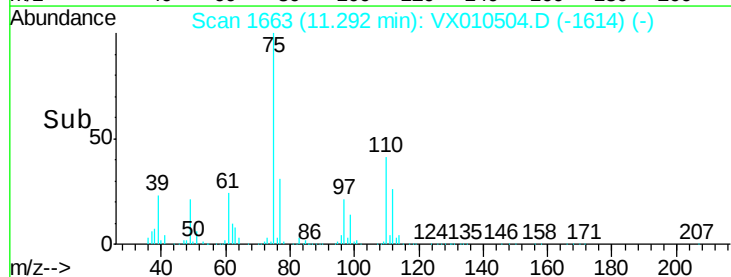
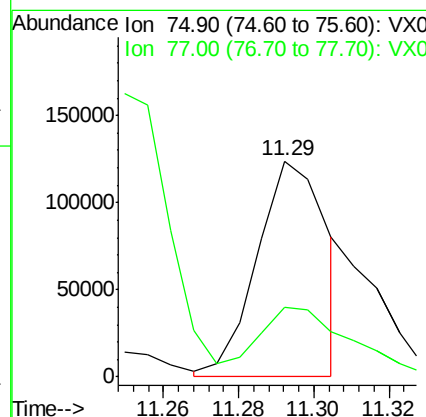
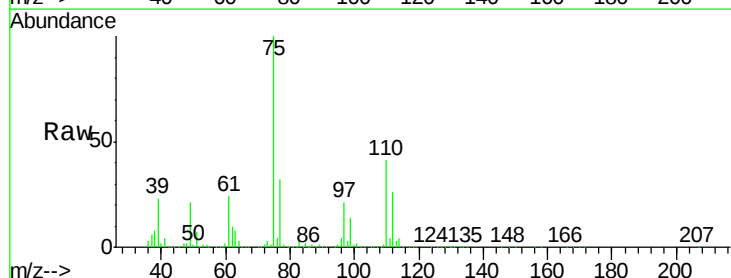
Lab File: VX010504.D

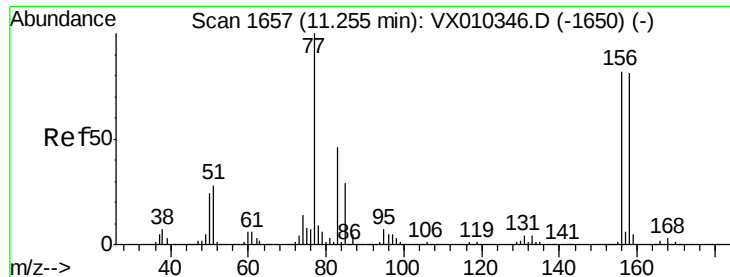
Acq: 27 Jun 2019 22:43

Tgt Ion: 75 Resp: 159403
Ion Ratio Lower Upper

75 100

77 43.1 22.6 67.8





#77

Bromobenzene

Concen: 50.320 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

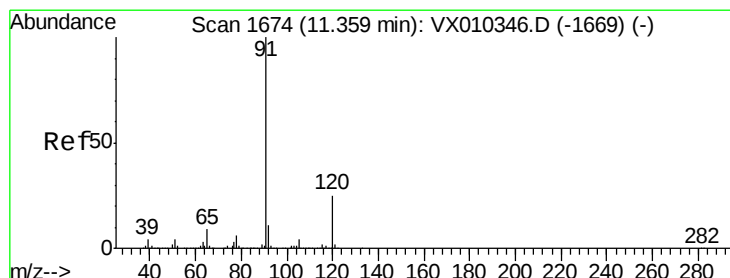
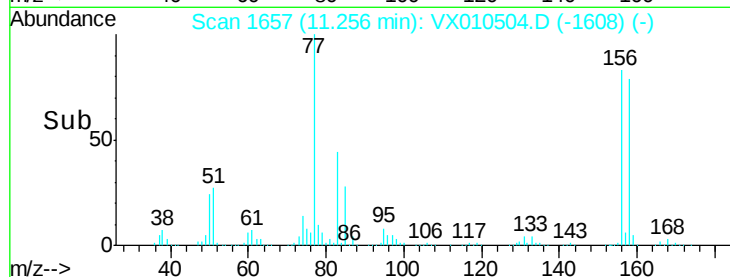
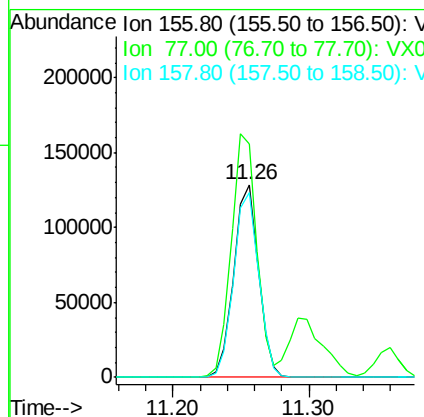
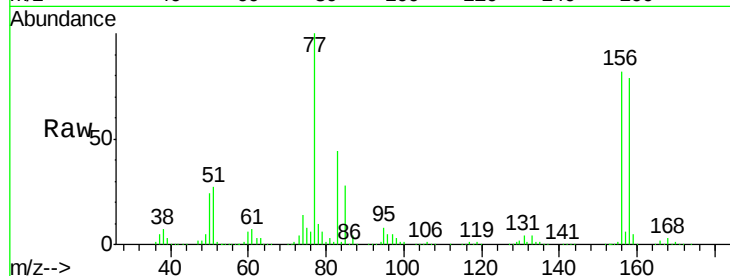
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	163417
Ion Ratio	Lower	Upper	
156	100		
77	129.8	66.3	198.7
158	97.3	48.9	146.7

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#78

n-propylbenzene

Concen: 50.124 ug/l

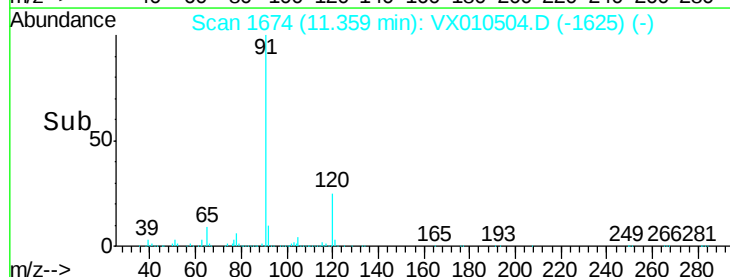
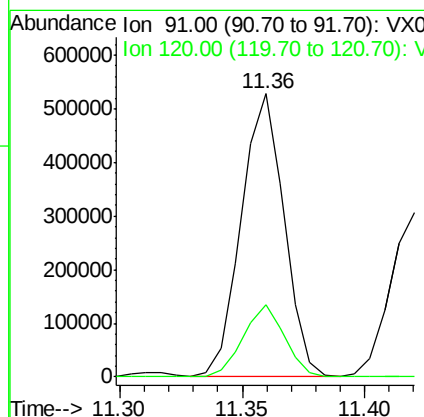
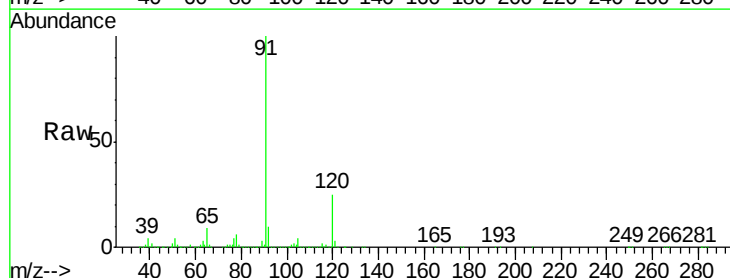
RT: 11.36 min Scan# 1674

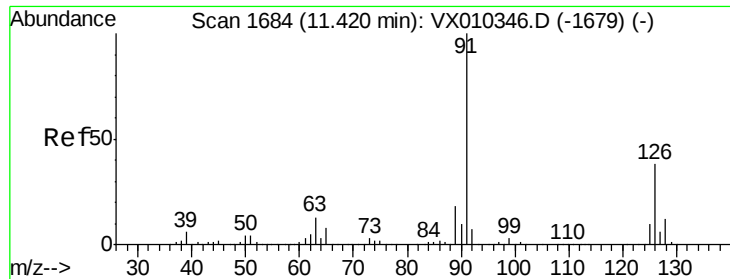
Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion:	91	Resp:	640706
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.4	37.4





#79

2-Chlorotoluene

Concen: 49.725 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 378487

Ion Ratio Lower Upper

91 100

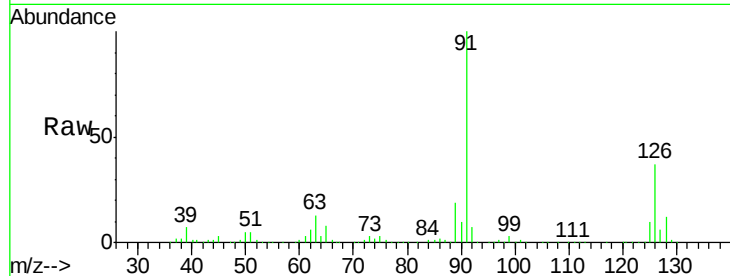
126 37.3 18.7 56.1

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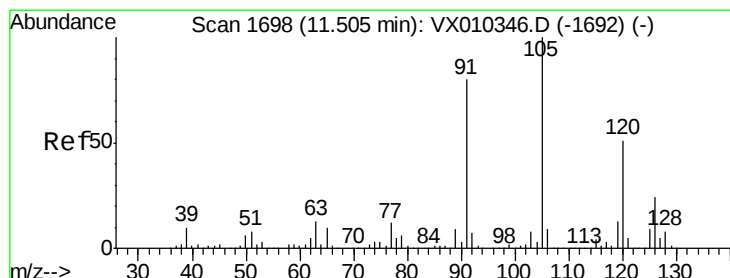
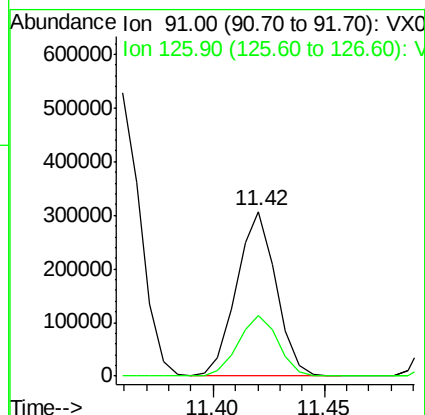
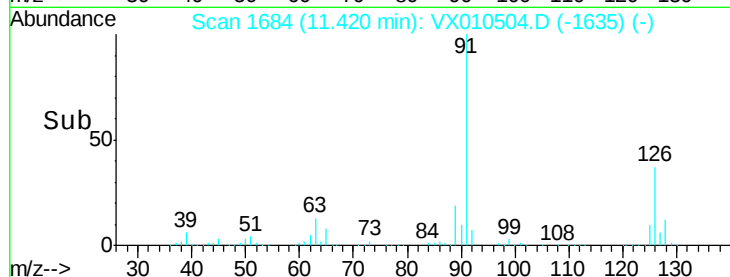
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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.482 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010504.D

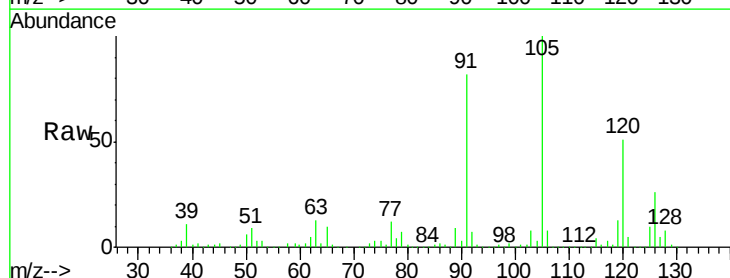
Acq: 27 Jun 2019 22:43

Tgt Ion: 105 Resp: 484024

Ion Ratio Lower Upper

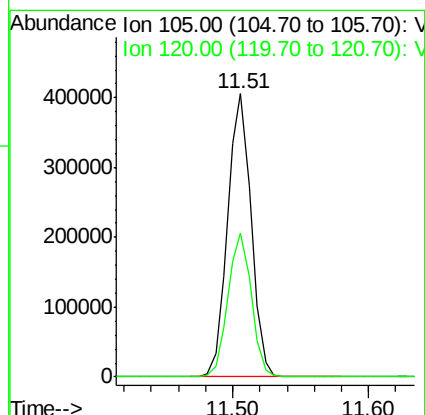
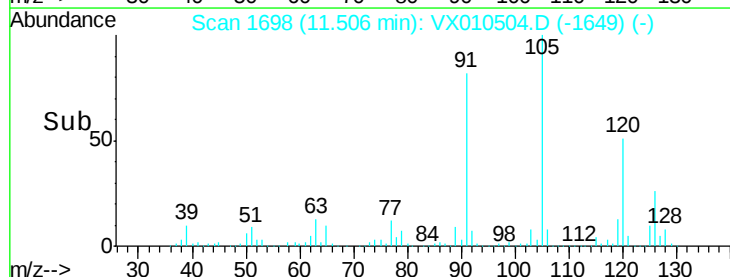
105 100

120 50.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.794 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

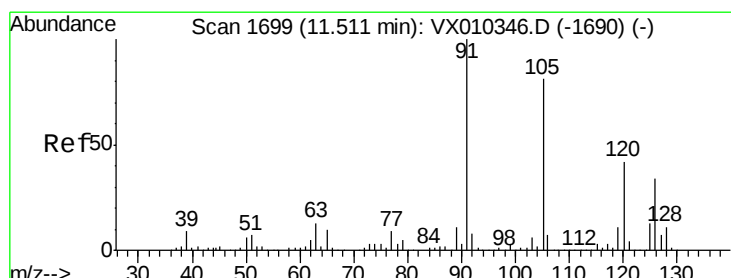
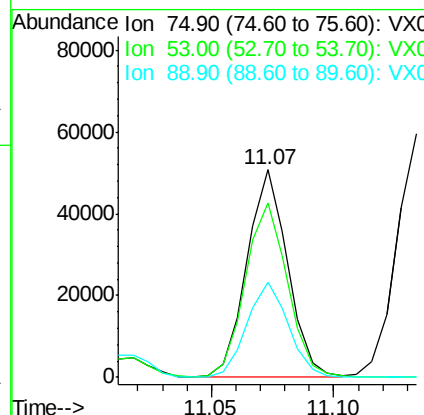
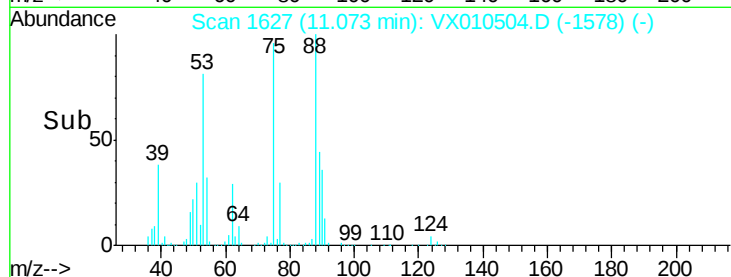
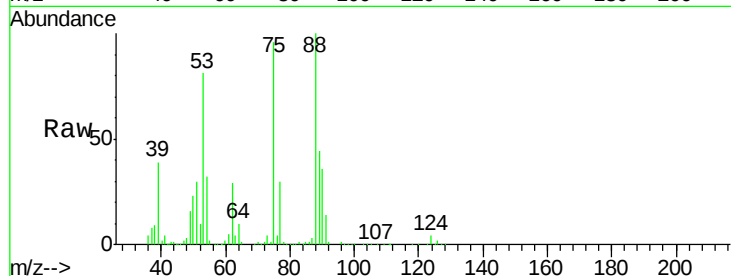
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	58692
Ion Ratio	Lower	Upper	
75	100		
53	86.8	66.1	99.1
89	46.6	37.8	56.6

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#82

4-Chlorotoluene

Concen: 50.181 ug/l

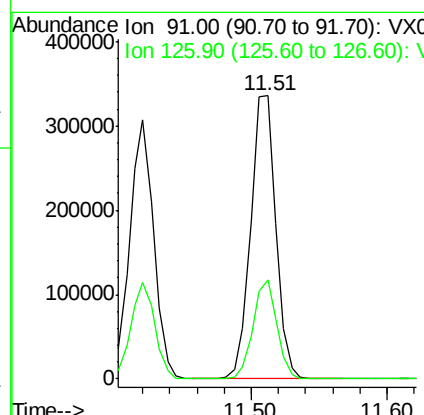
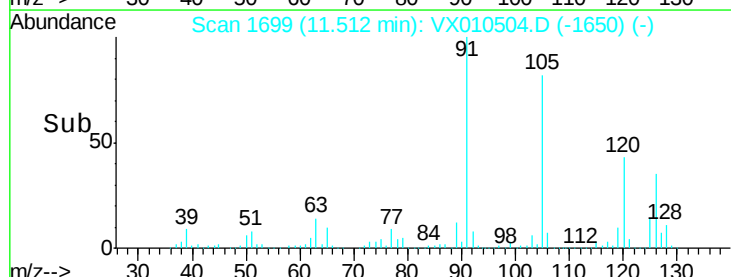
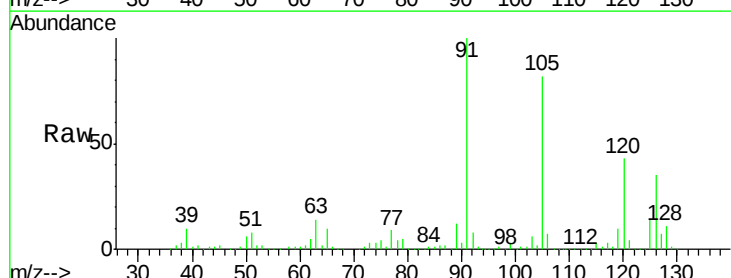
RT: 11.51 min Scan# 1699

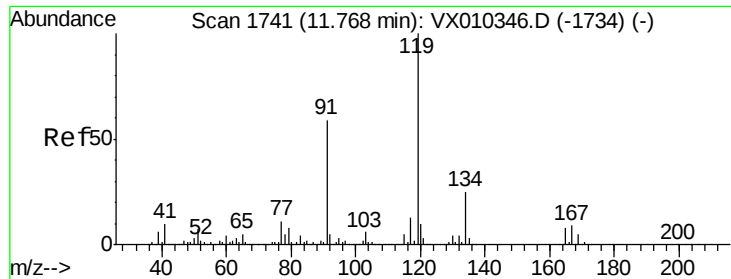
Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion:	91	Resp:	434631
Ion Ratio	Lower	Upper	
91	100		
126	33.2	16.2	48.6





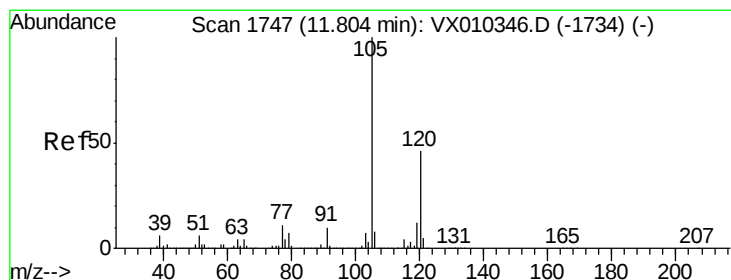
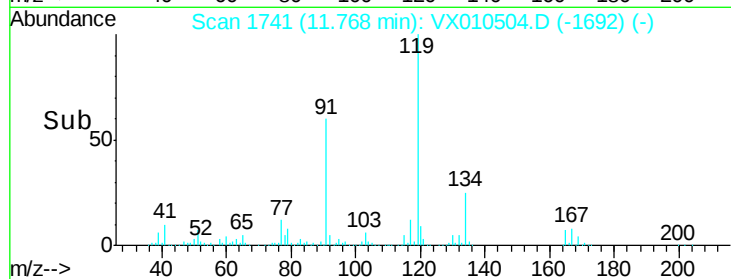
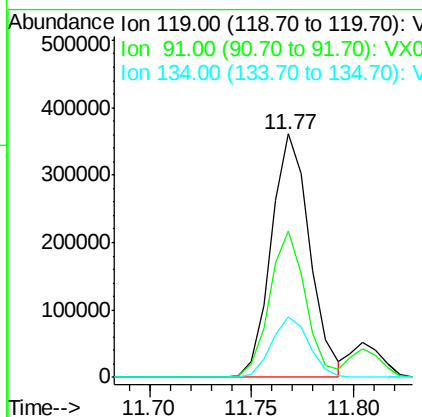
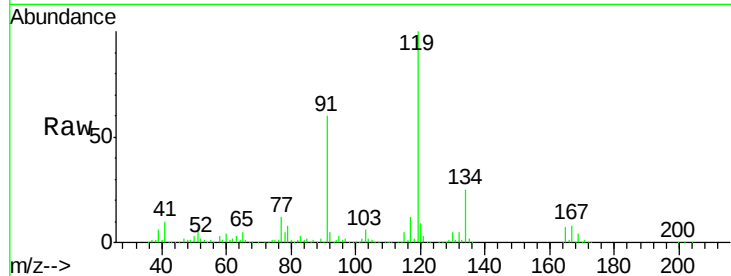
#83
tert-Butylbenzene
Concen: 49.299 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.2	27.6	82.7
134	24.2	11.8	35.4

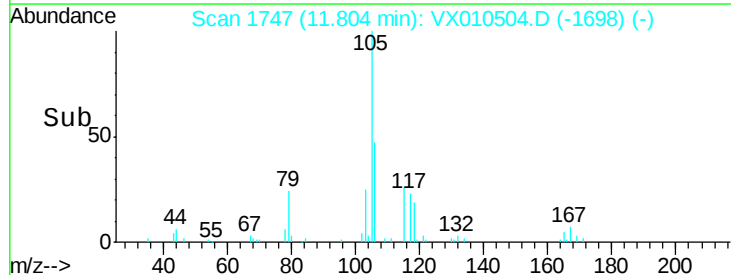
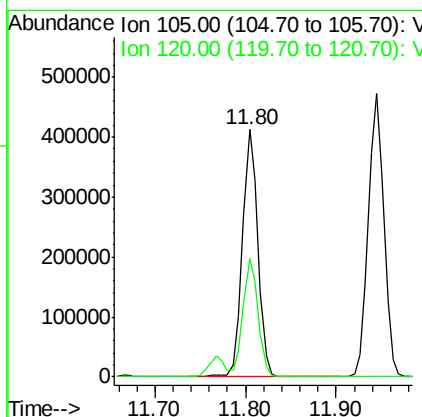
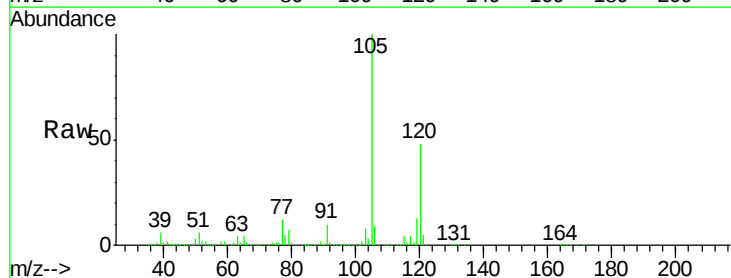
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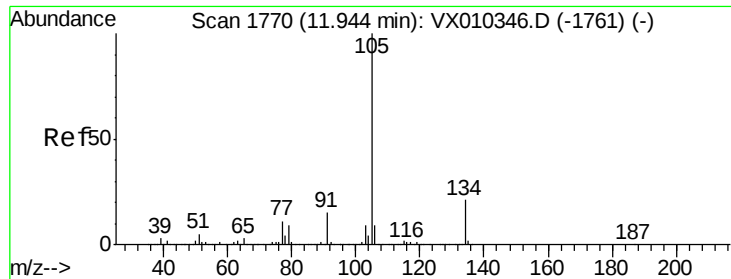
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#84
1,2,4-Trimethylbenzene
Concen: 50.486 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2





#85

sec-Butylbenzene

Concen: 50.152 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 566674

Ion Ratio Lower Upper

105 100

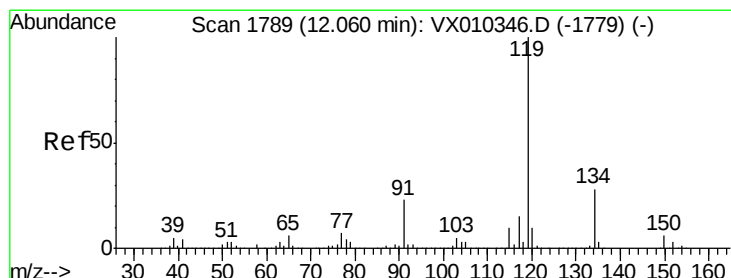
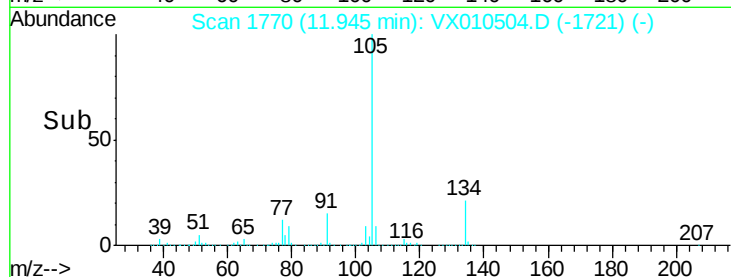
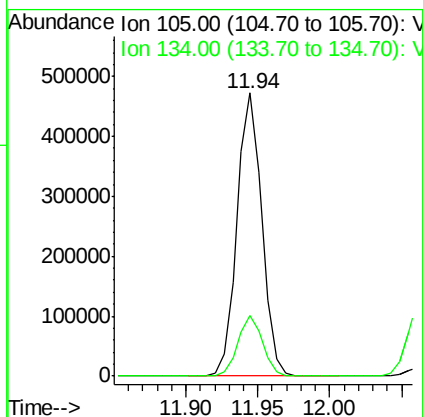
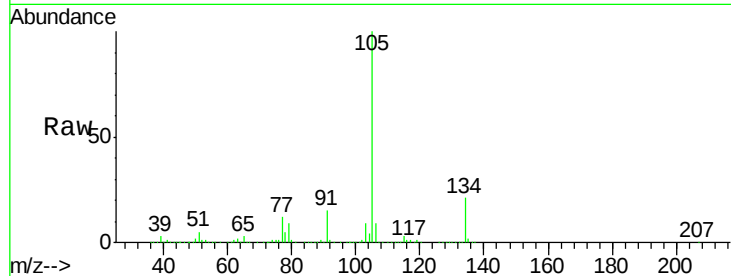
134 21.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 50.115 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

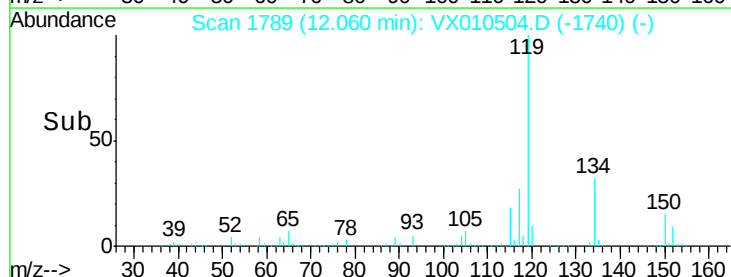
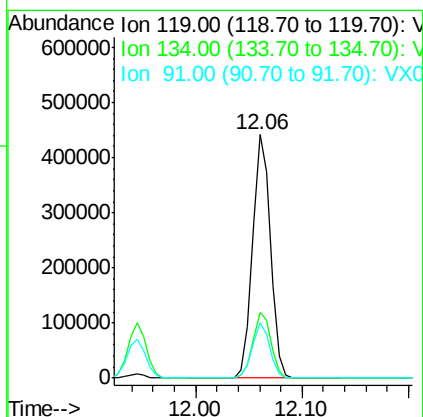
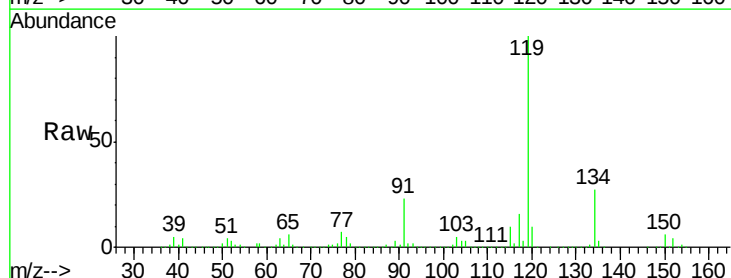
Tgt Ion:119 Resp: 523762

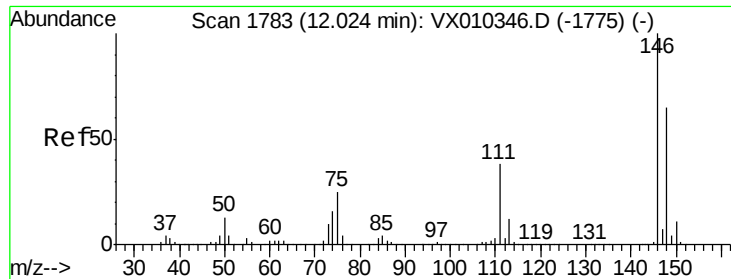
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 22.3 11.3 33.8





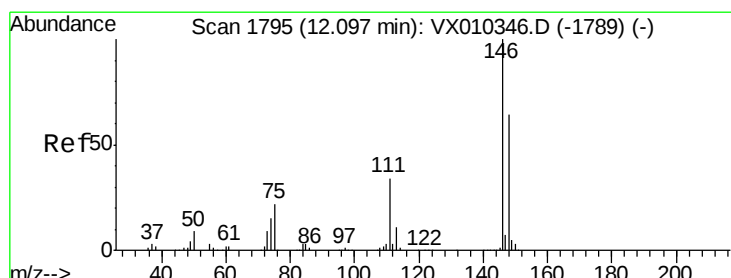
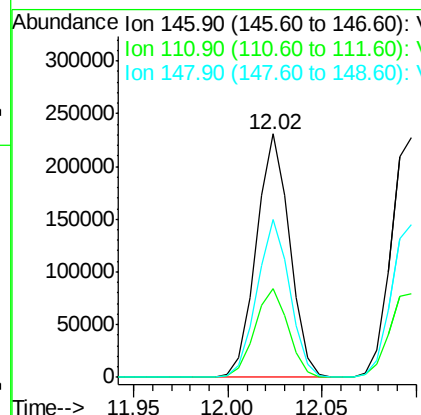
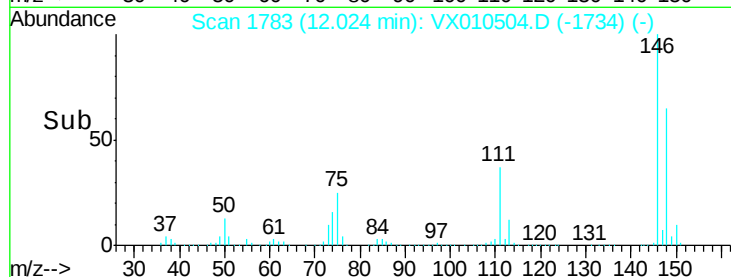
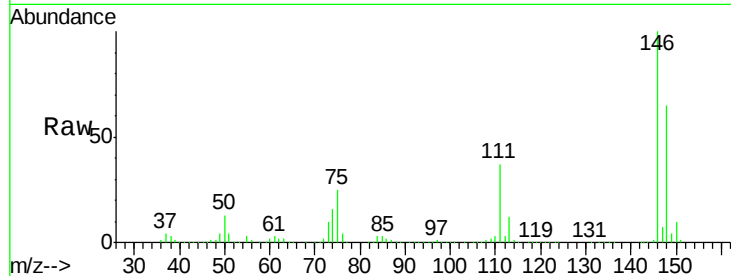
#87
 1,3-Dichlorobenzene
 Concen: 49.816 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.1	57.1
148	64.1	32.5	97.4

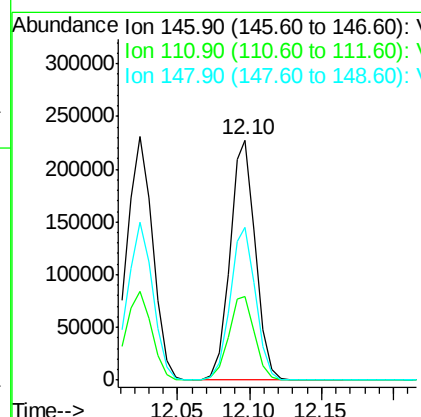
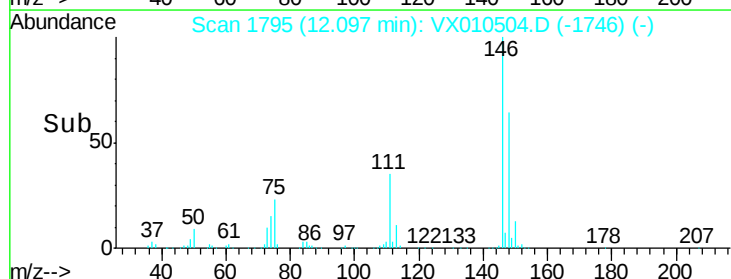
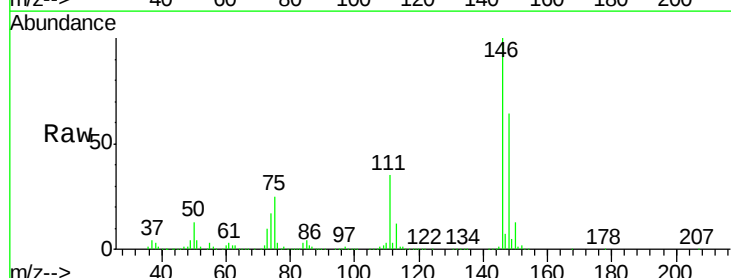
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#88
 1,4-Dichlorobenzene
 Concen: 48.717 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.3
148	64.1	32.1	96.3





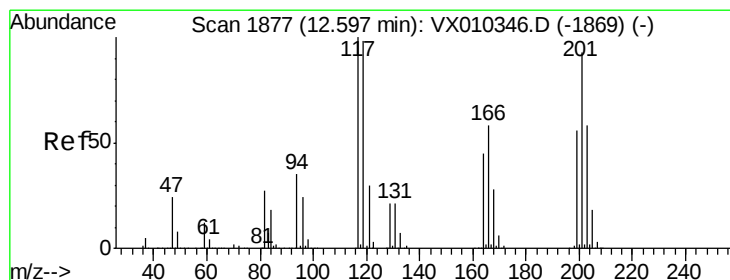
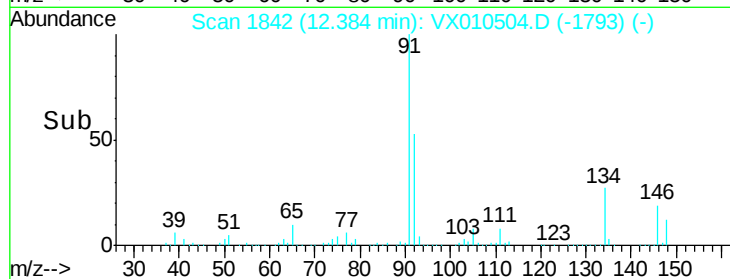
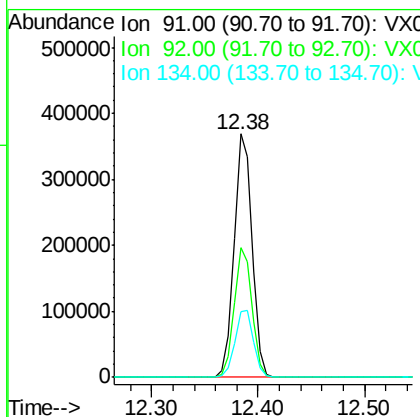
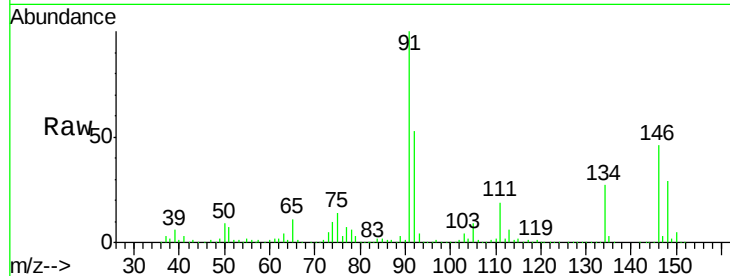
#89
n-Butylbenzene
Concen: 49.191 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	28.4	14.1	42.4

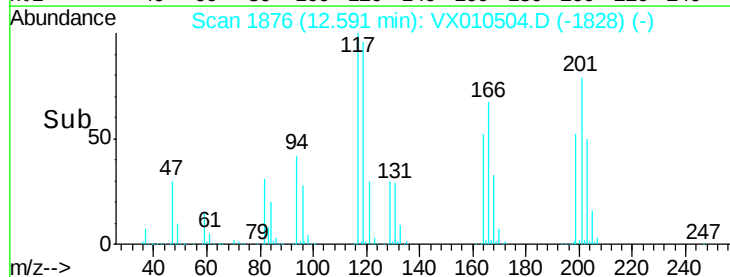
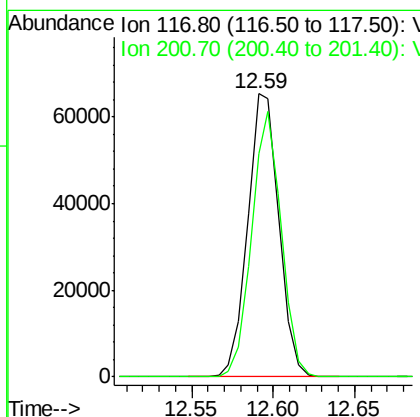
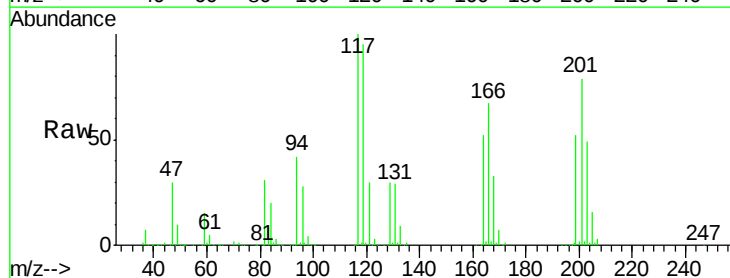
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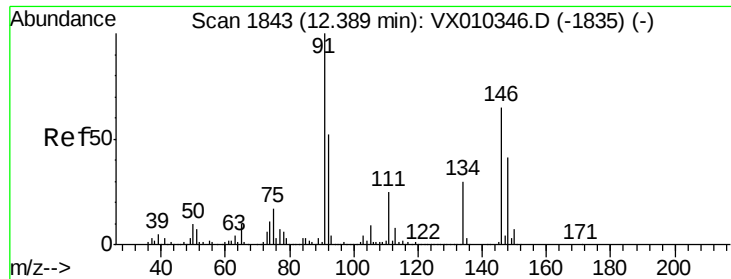
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#90
Hexachloroethane
Concen: 48.158 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010504.D
Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	44.0	131.8





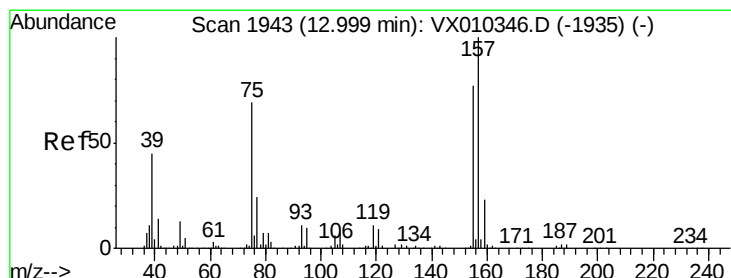
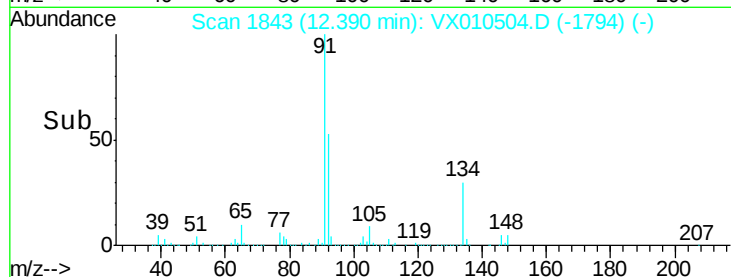
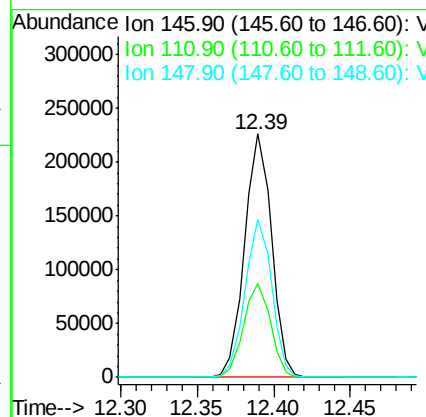
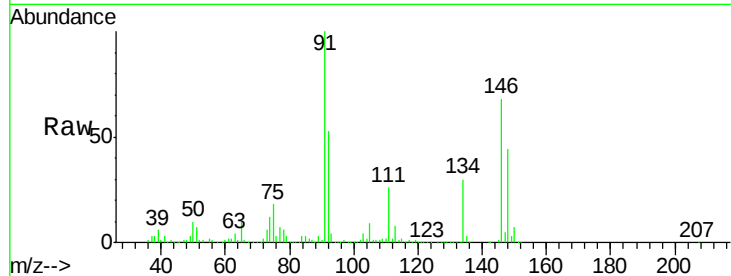
#91
 1,2-Dichlorobenzene
 Concen: 49.262 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.2	57.6
148	64.4	32.0	96.0

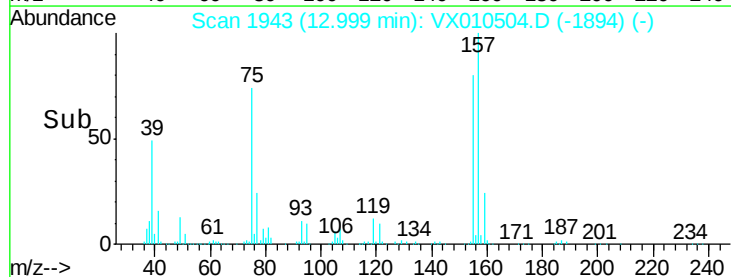
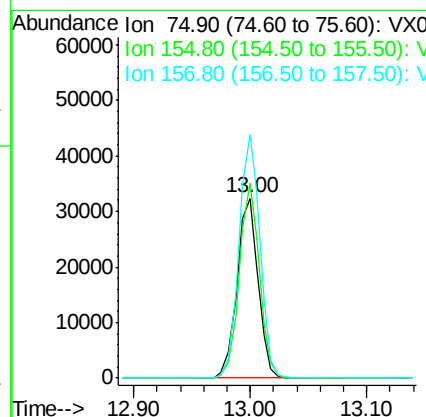
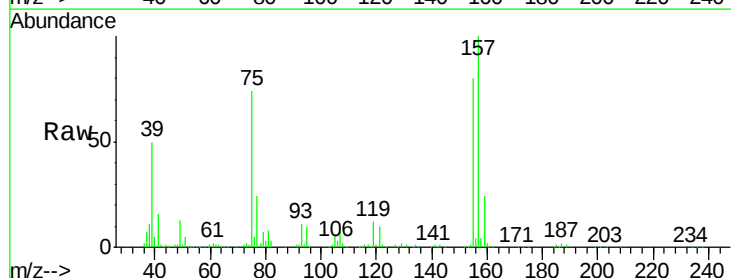
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.327 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	54.4	163.1
157	134.1	69.5	208.3





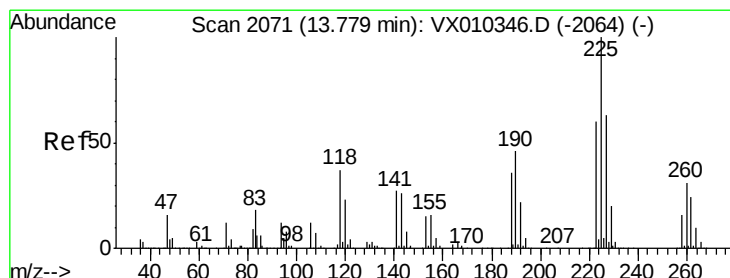
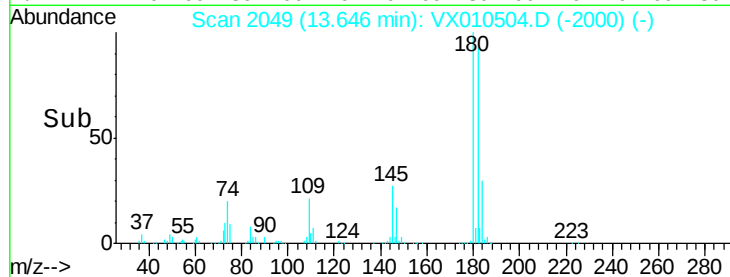
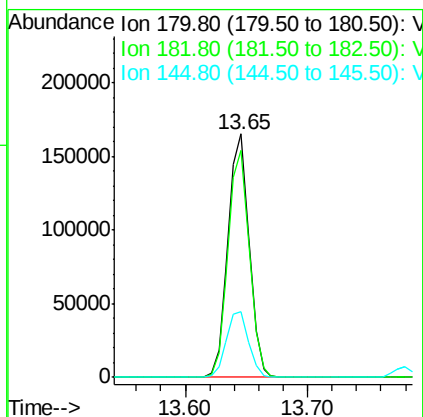
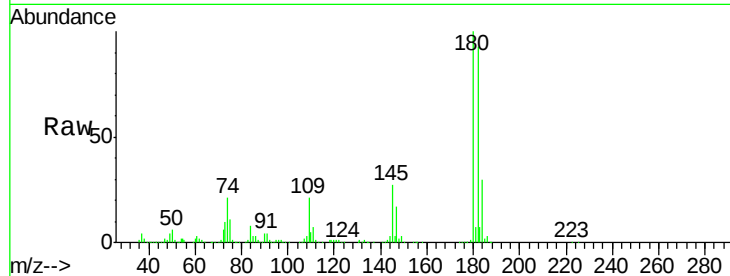
#93
 1,2,4-Trichlorobenzene
 Concen: 50.371 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	196808		
182	94.3	48.0	144.0	
145	28.4	14.4	43.4	

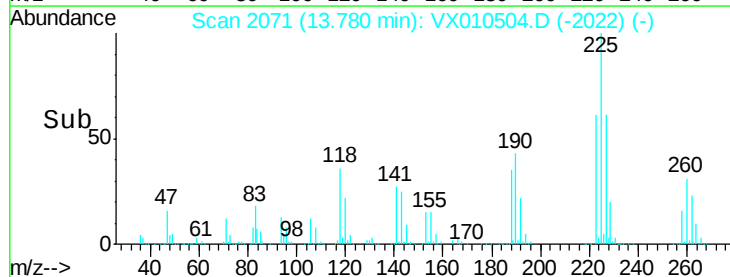
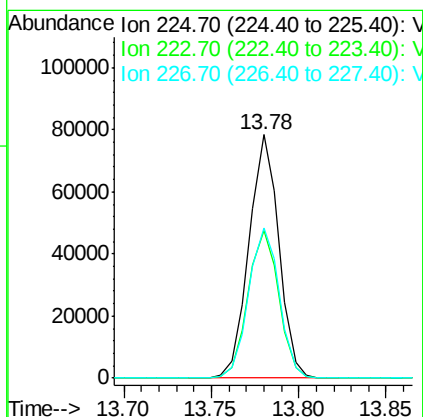
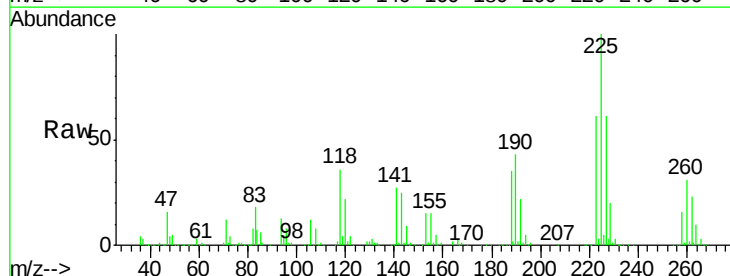
Manual Integrations
 APPROVED

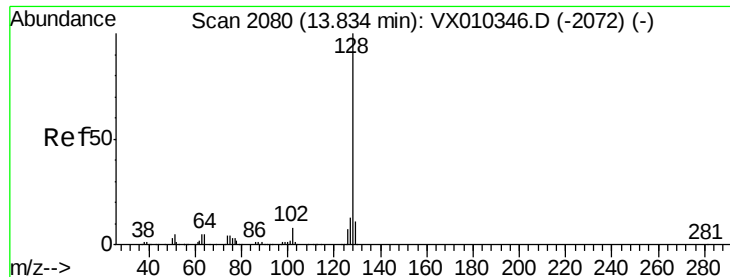
MMDadoda
 6/28/2019 10:36:46 AM



#94
 Hexachlorobutadiene
 Concen: 48.728 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010504.D
 Acq: 27 Jun 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93049		
223	62.5	30.9	92.7	
227	63.3	31.9	95.5	





#95

Naphthalene

Concen: 51.759 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Instrument :

MSVOA_X

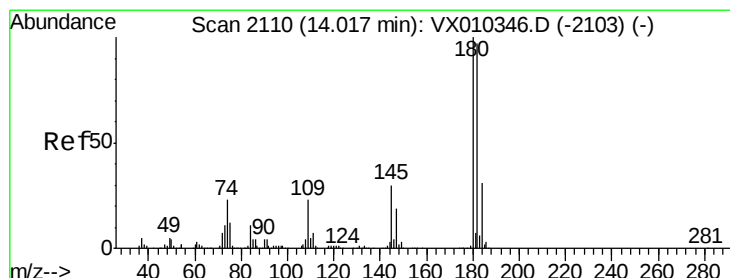
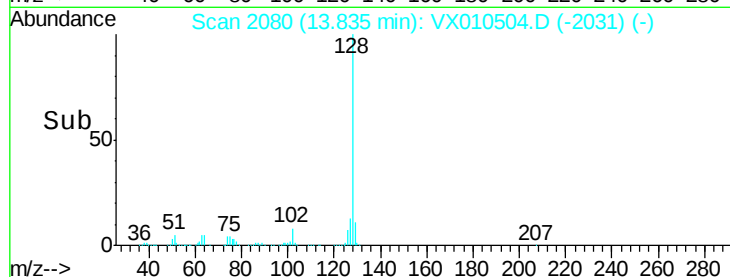
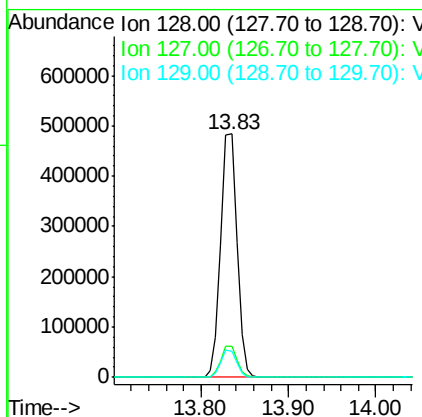
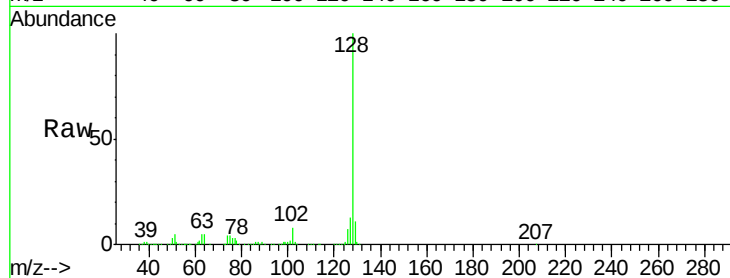
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	621474
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/28/2019 10:36:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.880 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010504.D

Acq: 27 Jun 2019 22:43

Tgt Ion:	180	Resp:	197654
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.3
145	29.9	15.2	45.6

