

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010423.D
 Acq On : 24 Jun 2019 19:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/25/2019 9:01:50 AM

Quant Time: Jun 25 04:38:19 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	267173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	369732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185517	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	123158	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	5.50	113	120222	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	8.71	98	459279	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	11.13	95	162928	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85849	46.218	ug/l	99
3) Chloromethane	1.32	50	94824	43.841	ug/l	98
4) Vinyl Chloride	1.41	62	107177	45.241	ug/l	99
5) Bromomethane	1.64	94	48772	42.258	ug/l	98
6) Chloroethane	1.71	64	68080	48.709	ug/l	98
7) Trichlorofluoromethane	1.92	101	179366	47.761	ug/l	99
8) Diethyl Ether	2.19	74	66173	49.135	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	105492	46.353	ug/l	99
10) Methyl Iodide	2.51	142	133510	41.106	ug/l	99
11) Tert butyl alcohol	3.06	59	142659	217.640	ug/l	99
12) 1,1-Dichloroethene	2.37	96	108471	46.840	ug/l	100
13) Acrolein	2.29	56	105106	241.718	ug/l	99
14) Allyl chloride	2.73	41	157806	47.998	ug/l	100
15) Acrylonitrile	3.14	53	319315	246.048	ug/l	99
16) Acetone	2.45	43	272484	217.043	ug/l	98
17) Carbon Disulfide	2.57	76	272153	43.804	ug/l	99
18) Methyl Acetate	2.78	43	122921	49.126	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	355941	48.858	ug/l	98
20) Methylene Chloride	2.85	84	123646	47.858	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	116186	46.649	ug/l	98
22) Diisopropyl ether	3.86	45	334723	48.694	ug/l	90
23) Vinyl Acetate	3.82	43	1500403	252.662	ug/l	100
24) 1,1-Dichloroethane	3.70	63	193308	48.650	ug/l	99
25) 2-Butanone	4.68	43	441770	239.888	ug/l	99
26) 2,2-Dichloropropane	4.58	77	151958	44.024	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	138151	48.000	ug/l	99
28) Bromochloromethane	5.01	49	94186	49.578	ug/l	100
29) Tetrahydrofuran	5.13	42	281029	246.370	ug/l	100
30) Chloroform	5.21	83	208571	48.787	ug/l	99
31) Cyclohexane	5.58	56	172098	47.563	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	184433	48.857	ug/l	100
36) 1,1-Dichloropropene	5.80	75	148960	46.154	ug/l	100
37) Ethyl Acetate	4.83	43	164942	49.677	ug/l	99
38) Carbon Tetrachloride	5.79	117	165374	47.319	ug/l	100

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MMDadoda
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Quant Time: Jun 25 04:38:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	195569	46.099	ug/l	99
40) Benzene	6.14	78	484139	48.149	ug/l	99
41) Methacrylonitrile	5.04	41	87881	48.239	ug/l	99
42) 1,2-Dichloroethane	6.19	62	152618	49.863	ug/l	99
43) Isopropyl Acetate	6.45	43	268862	48.944	ug/l	99
44) Trichloroethene	7.21	130	142810	47.465	ug/l	99
45) 1,2-Dichloropropane	7.51	63	121125	47.702	ug/l	97
46) Dibromomethane	7.66	93	87903	48.251	ug/l	99
47) Bromodichloromethane	7.90	83	161785	48.458	ug/l	100
48) Methyl methacrylate	7.77	41	127371	49.883	ug/l	99
49) 1,4-Dioxane	7.74	88	66991	910.748	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	866088	246.516	ug/l	99
52) Toluene	8.79	92	317019	47.877	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	178592	47.712	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	196961	48.421	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	133641	48.937	ug/l	99
56) Ethyl methacrylate	9.18	69	203375	49.161	ug/l	99
57) 1,3-Dichloropropane	9.37	76	204300	48.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	506732	257.913	ug/l	100
59) 2-Hexanone	9.49	43	657207	237.679	ug/l	100
60) Dibromochloromethane	9.58	129	149063	48.750	ug/l	99
61) 1,2-Dibromoethane	9.67	107	143163	48.568	ug/l	100
64) Tetrachloroethene	9.34	164	139115	46.519	ug/l	99
65) Chlorobenzene	10.14	112	356632	47.511	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	135860	49.690	ug/l	99
67) Ethyl Benzene	10.25	91	605235	47.761	ug/l	100
68) m/p-Xylenes	10.36	106	472206	96.169	ug/l	99
69) o-Xylene	10.69	106	228290	47.278	ug/l	99
70) Styrene	10.71	104	395802	48.877	ug/l	100
71) Bromoform	10.85	173	115667	48.647	ug/l	98
73) Isopropylbenzene	11.02	105	610649	48.558	ug/l	99
74) N-amyl acetate	10.90	43	237661	50.006	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	201717	48.434	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	166373m	49.214	ug/l	
77) Bromobenzene	11.26	156	166830	47.509	ug/l	100
78) n-propylbenzene	11.36	91	669883	48.467	ug/l	100
79) 2-Chlorotoluene	11.42	91	393031	47.754	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	504923	48.704	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	66792	46.092	ug/l	97
82) 4-Chlorotoluene	11.51	91	454335	48.513	ug/l	99
83) tert-Butylbenzene	11.77	119	503088	48.349	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	512844	49.237	ug/l	100
85) sec-Butylbenzene	11.94	105	591299	48.398	ug/l	100
86) p-Isopropyltoluene	12.06	119	546168	48.331	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	290633	47.415	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	286581	45.925	ug/l	99
89) n-Butylbenzene	12.38	91	464577	48.379	ug/l	100
90) Hexachloroethane	12.60	117	96734	49.505	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	284494	46.699	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41250	45.938	ug/l	99

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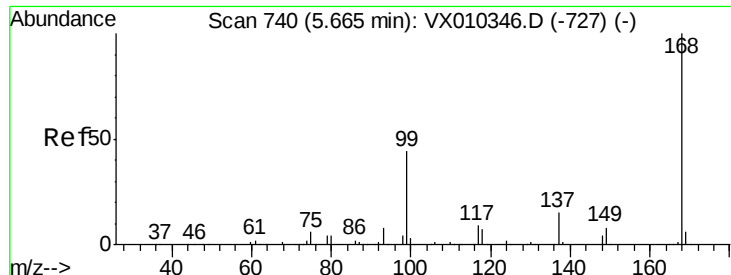
Manual Integrations
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6/25/2019 9:01:50 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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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	199713	47.272	ug/l	99
94) Hexachlorobutadiene	13.78	225	96749	46.857	ug/l	99
95) Naphthalene	13.83	128	637826	49.129	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	203366	48.415	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: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 267173

Ion Ratio Lower Upper

168 100

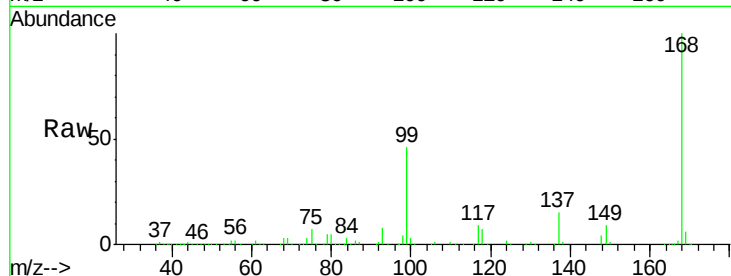
99 46.1 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

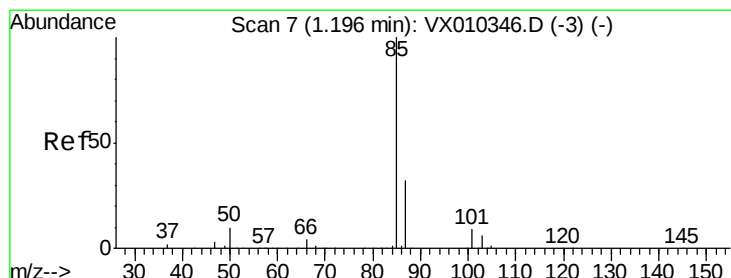
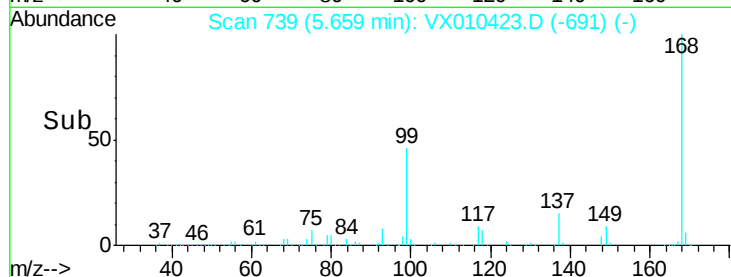
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.218 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010423.D

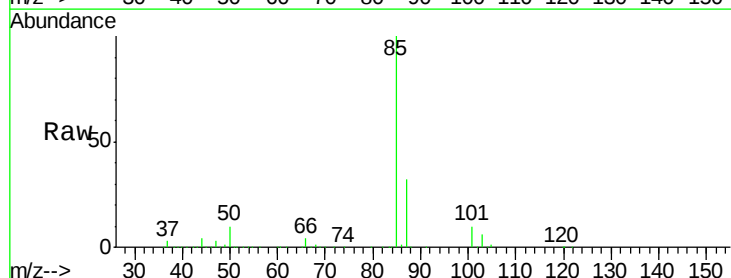
Acq: 24 Jun 2019 19:44

Tgt Ion: 85 Resp: 85849

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

40000

20000

0

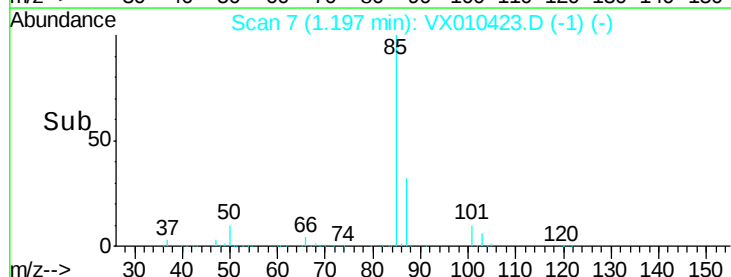
1.15

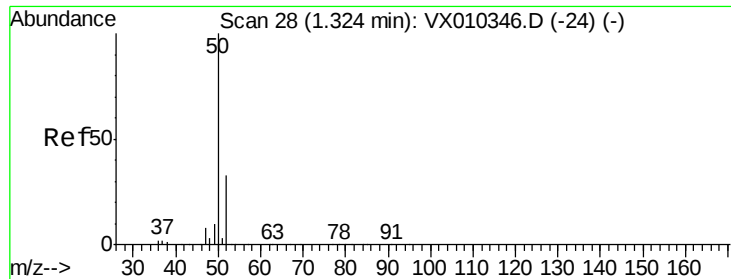
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 43.841 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 94824

Ion Ratio Lower Upper

50 100

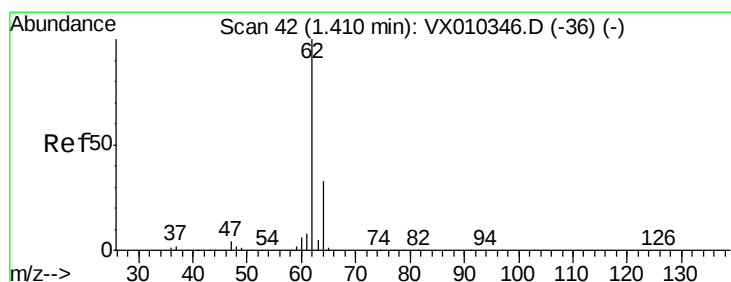
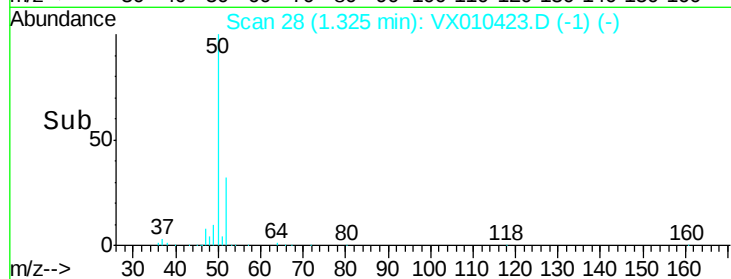
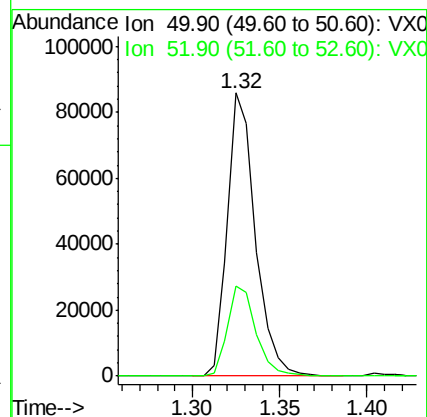
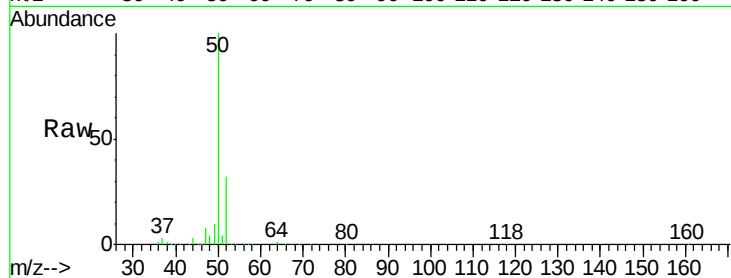
52 32.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.241 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010423.D

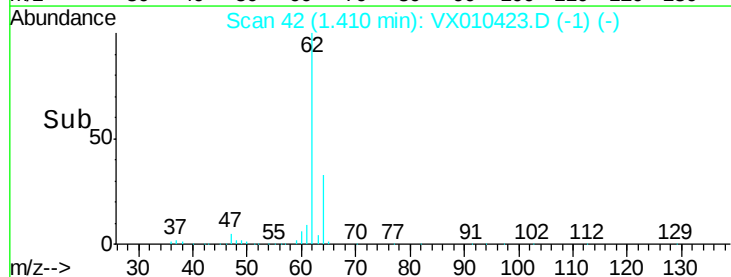
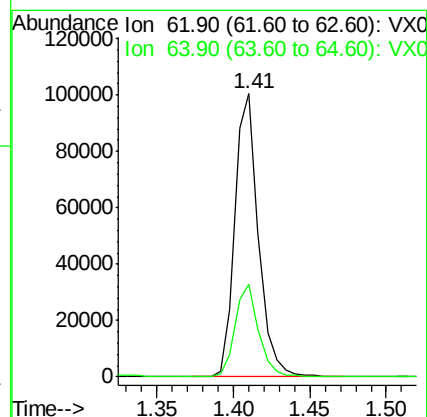
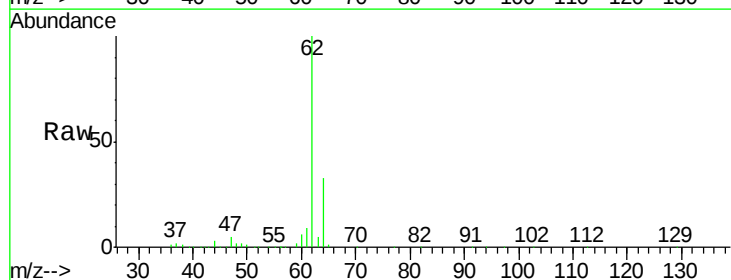
Acq: 24 Jun 2019 19:44

Tgt Ion: 62 Resp: 107177

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.4





#5

Bromomethane

Concen: 42.258 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48772

Ion Ratio Lower Upper

94 100

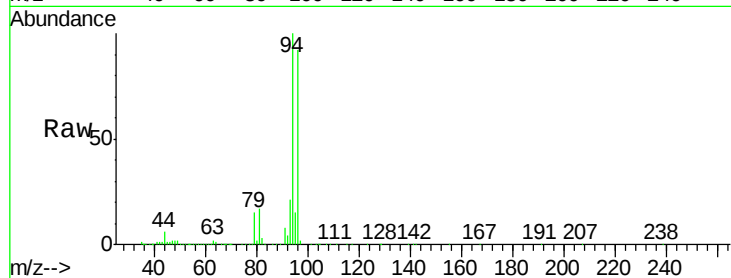
96 92.1 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

60000

50000

40000

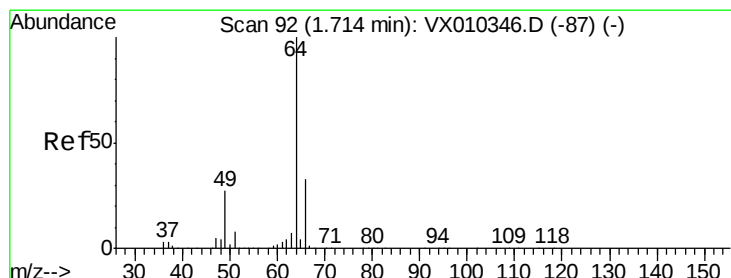
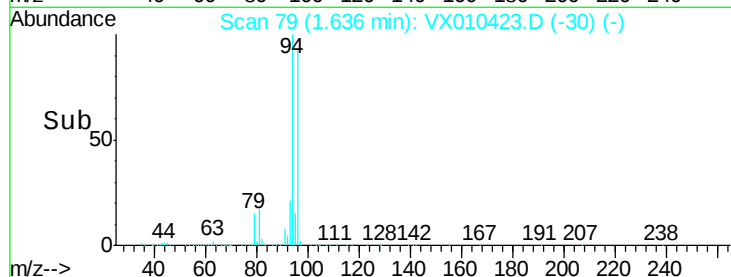
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.709 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010423.D

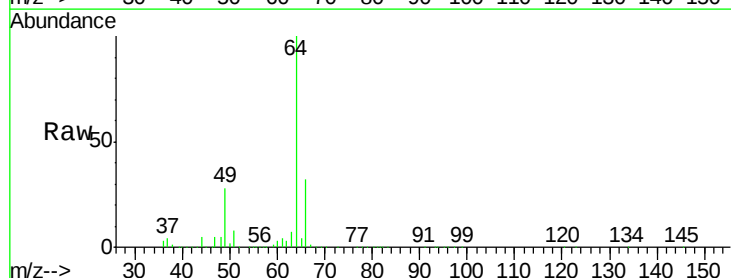
Acq: 24 Jun 2019 19:44

Tgt Ion: 64 Resp: 68080

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

50000

40000

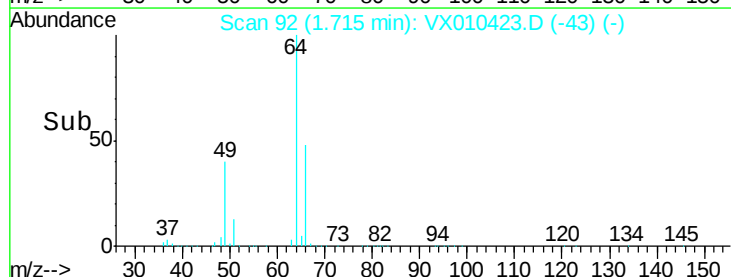
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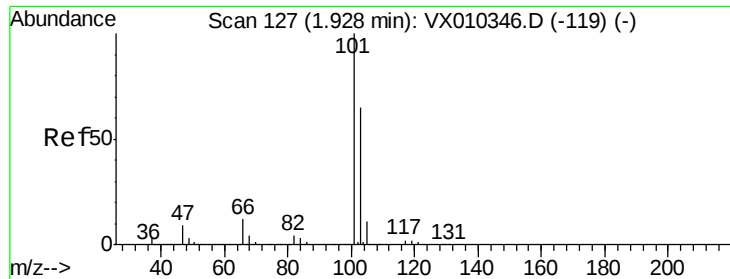
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10000

0

Time-->





#7

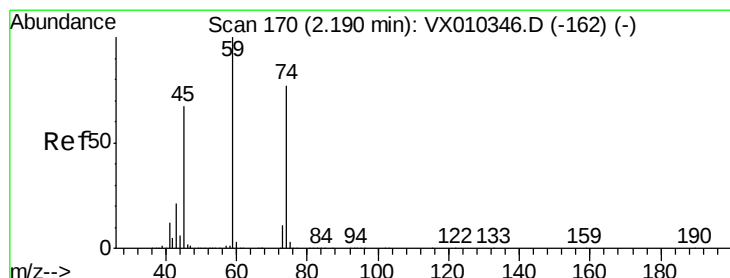
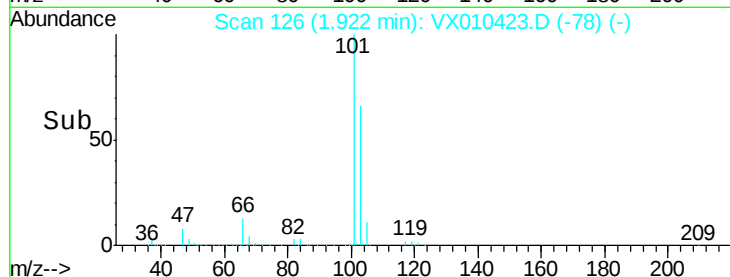
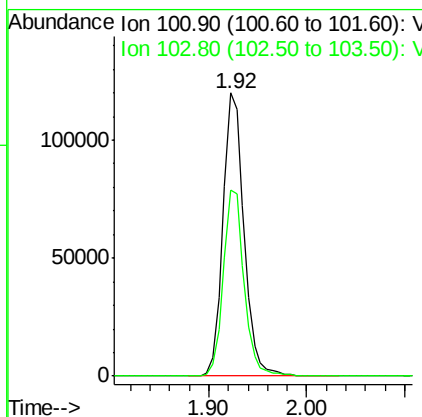
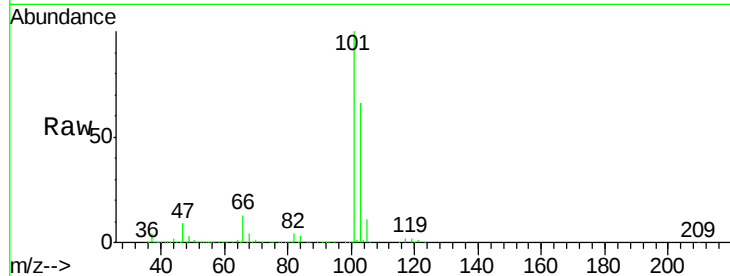
Trichlorofluoromethane
Concen: 47.761 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.3	78.5

Manual Integrations
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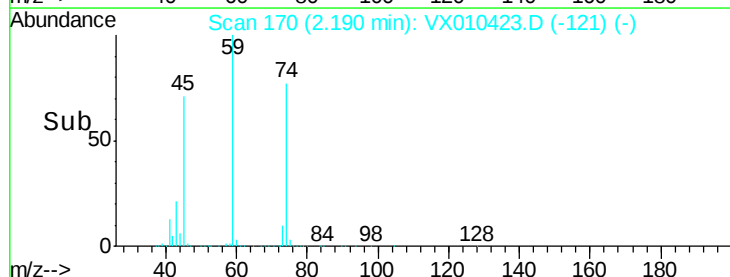
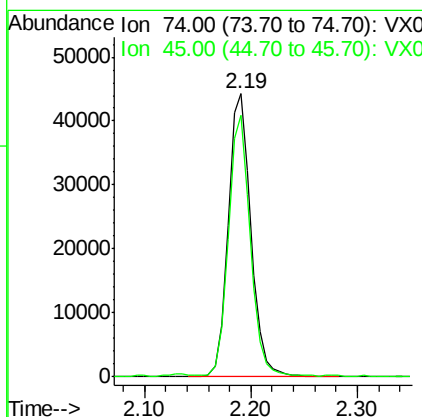
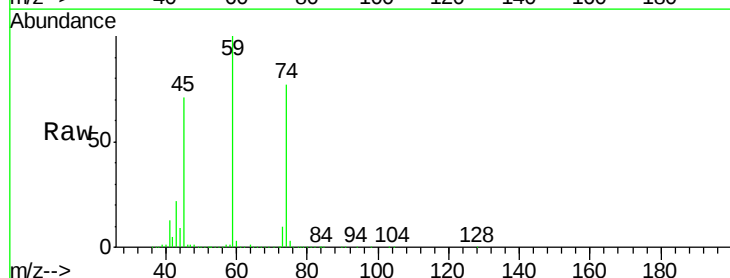
MMDadoda
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#8

Diethyl Ether
Concen: 49.135 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.9	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.353 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

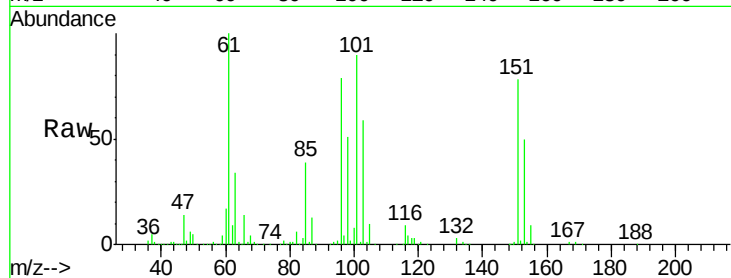
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	105492
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.7	50.5
151	88.0	70.1	105.1

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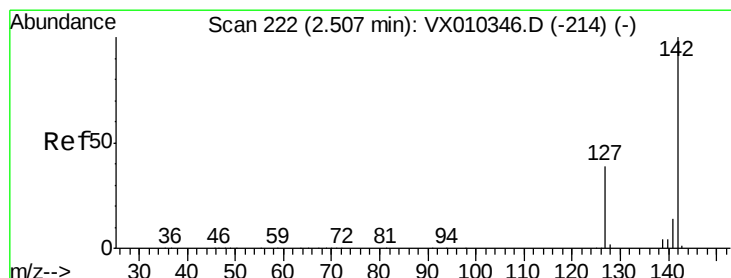
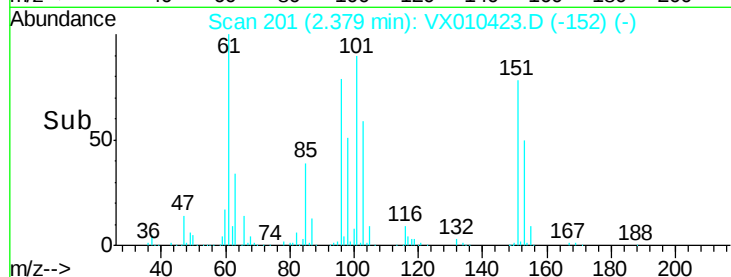
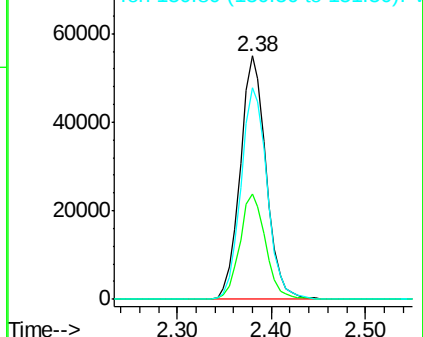
MMDadoda
6/25/2019 9:01:50 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.106 ug/l

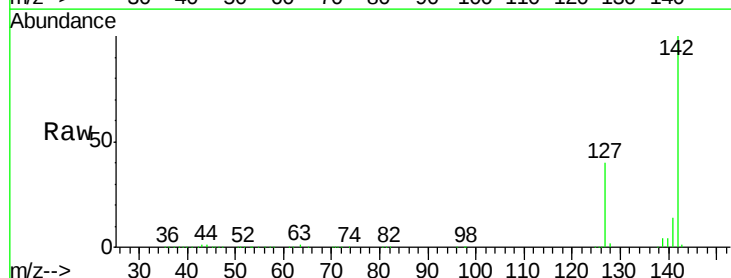
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

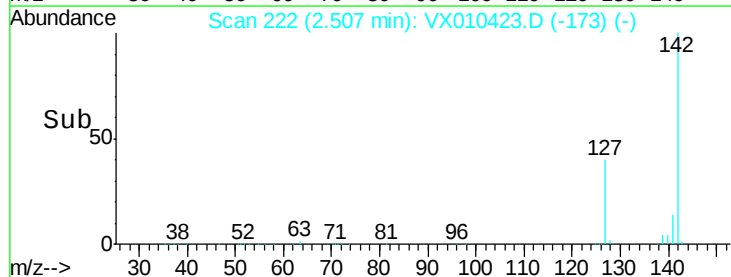
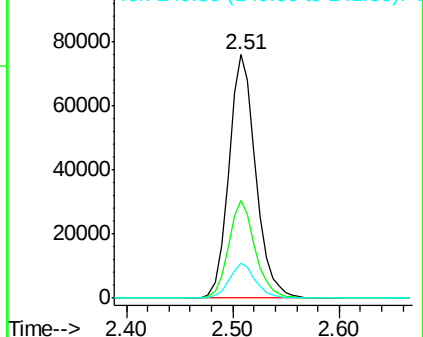
Tgt Ion:	142	Resp:	133510
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.1	46.7
141	14.0	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

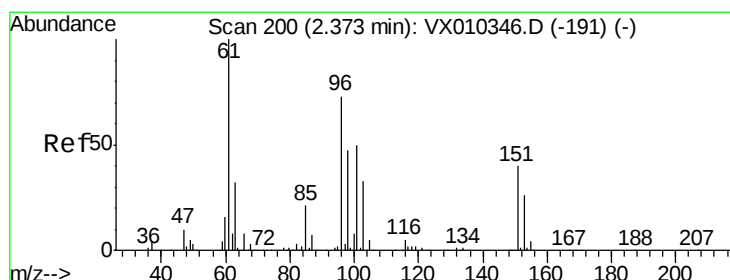
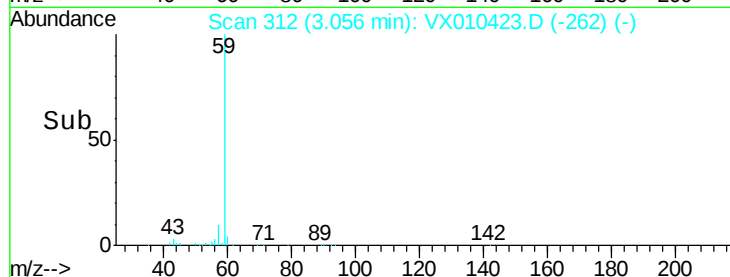
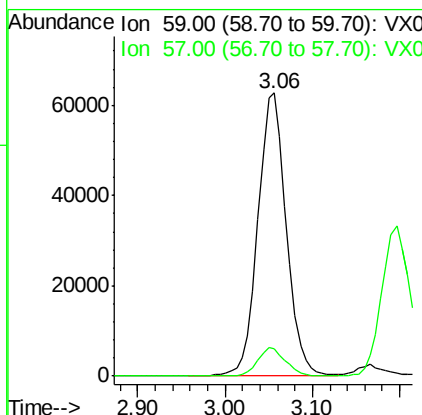
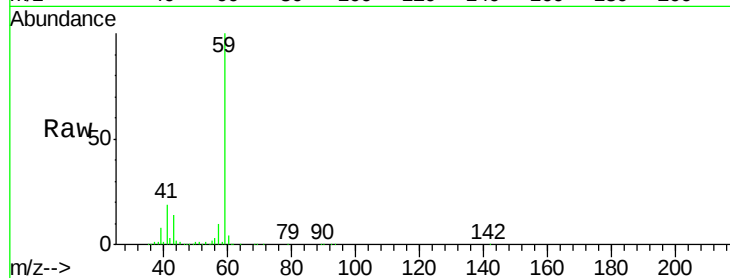
Tert butyl alcohol
Concen: 217.640 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	59	Resp	142659
Ion Ratio	100	Lower	Upper
57	9.9	7.7	11.5

Manual Integrations
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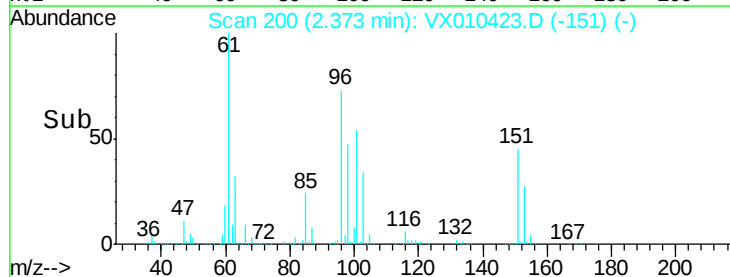
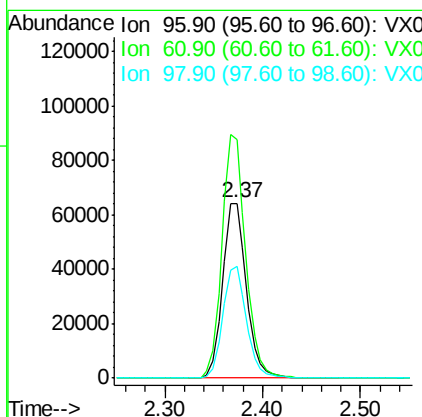
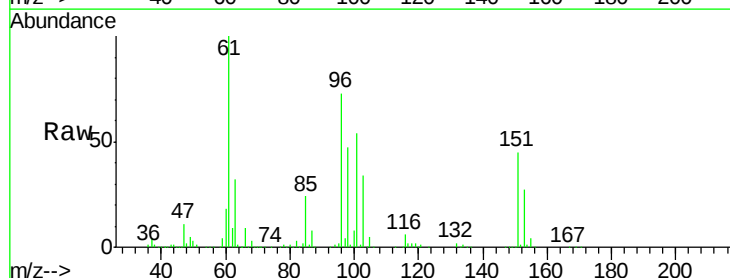
MMDadoda
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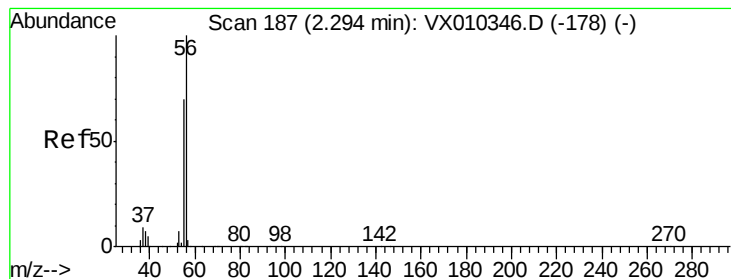


#12

1,1-Dichloroethene
Concen: 46.840 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	96	Resp	108471
Ion Ratio	100	Lower	Upper
61	136.9	109.2	163.8
98	63.7	51.1	76.7





#13

Acrolein

Concen: 241.718 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 105106

Ion Ratio Lower Upper

56 100

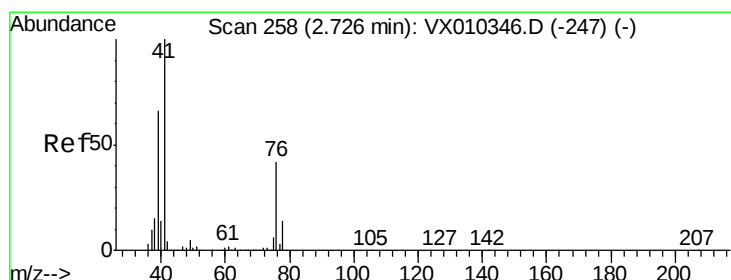
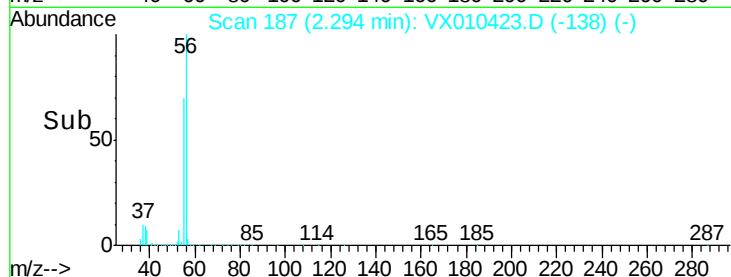
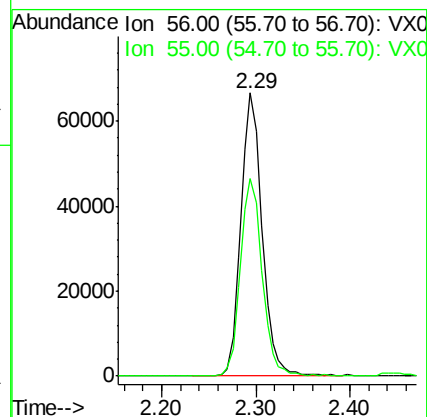
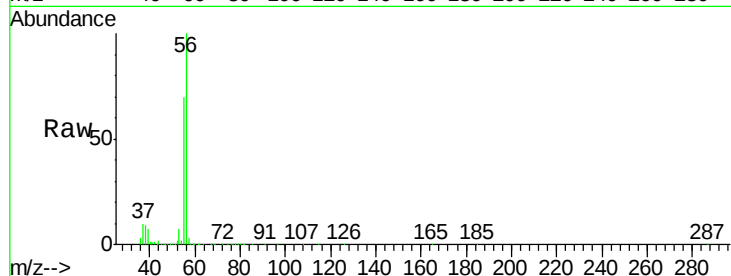
55 70.6 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 47.998 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

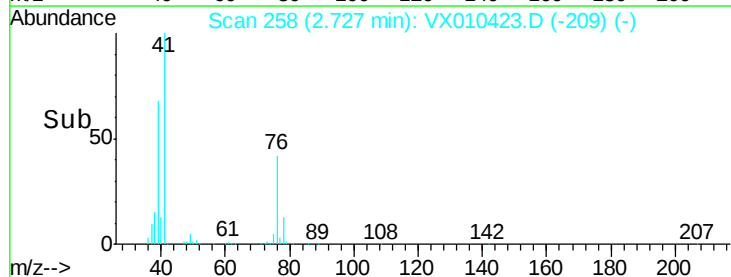
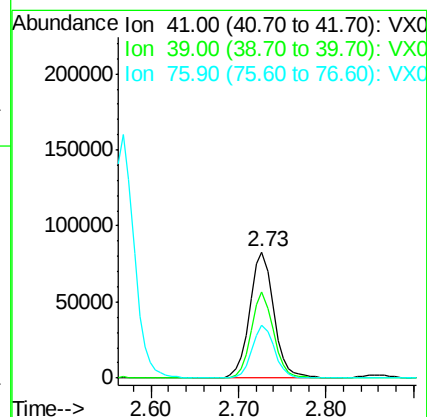
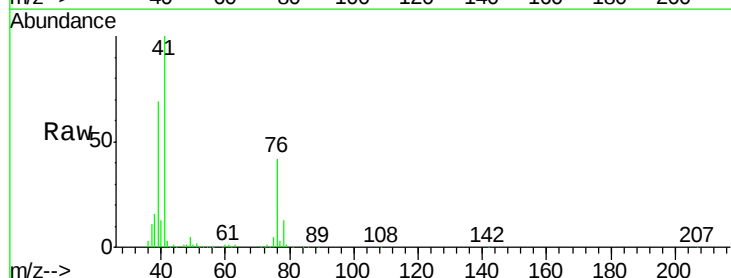
Tgt Ion: 41 Resp: 157806

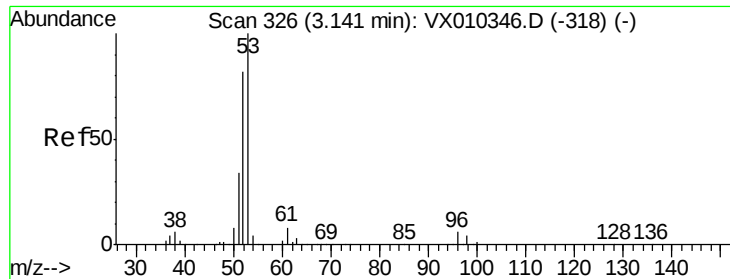
Ion Ratio Lower Upper

41 100

39 63.1 50.3 75.5

76 38.7 31.3 46.9





#15

Acrylonitrile

Concen: 246.048 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

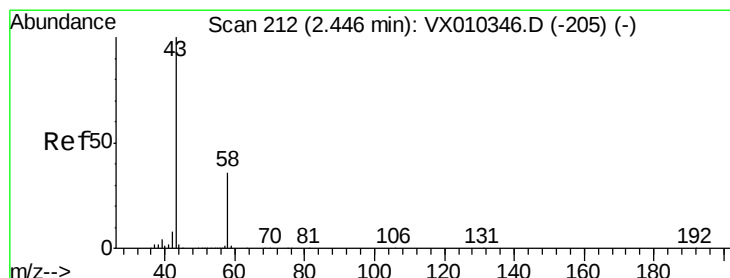
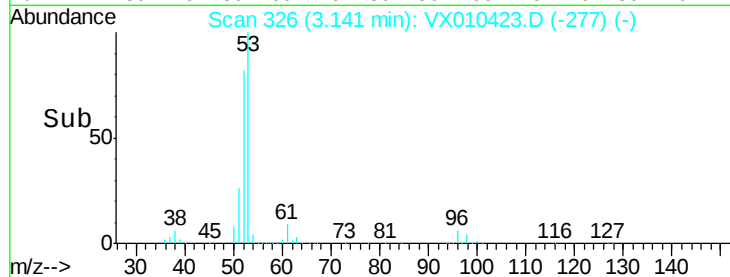
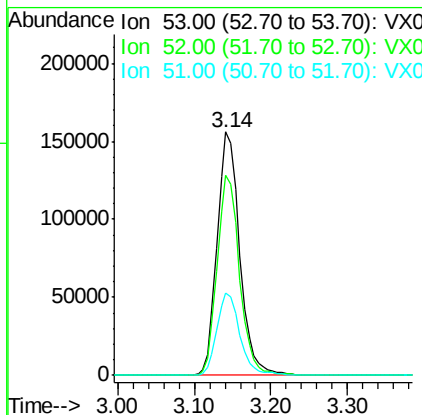
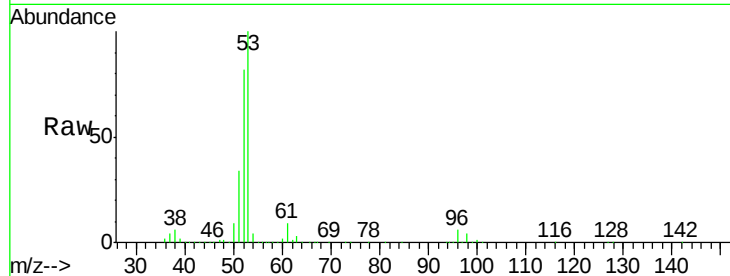
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	319315
Ion Ratio		Lower	Upper
53	100		
52	81.3	65.5	98.3
51	34.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 217.043 ug/l

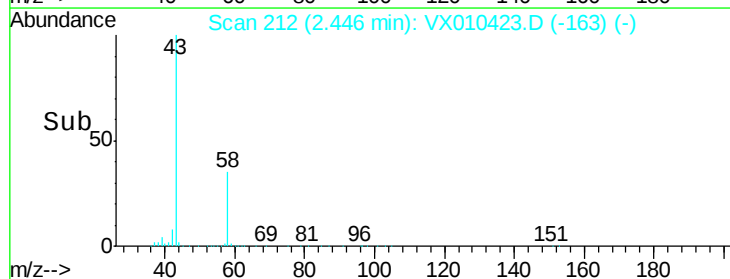
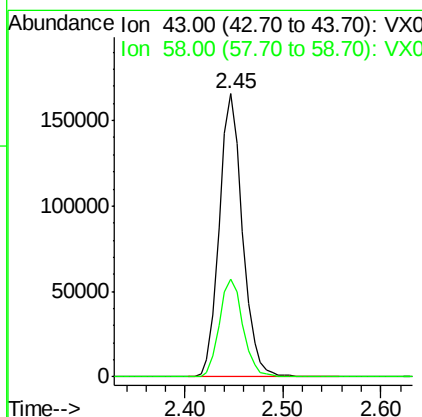
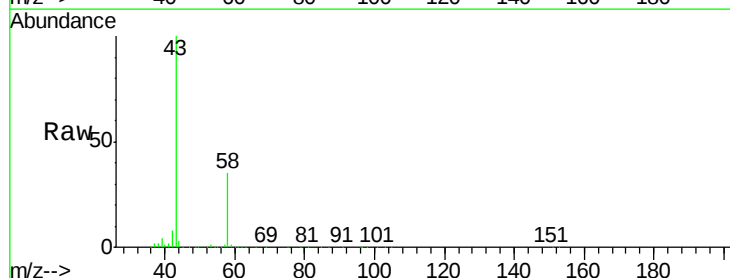
RT: 2.45 min Scan# 212

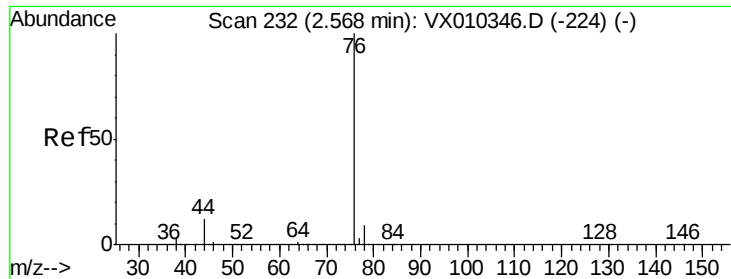
Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Tgt Ion:	43	Resp:	272484
Ion Ratio		Lower	Upper
43	100		
58	34.7	28.9	43.3





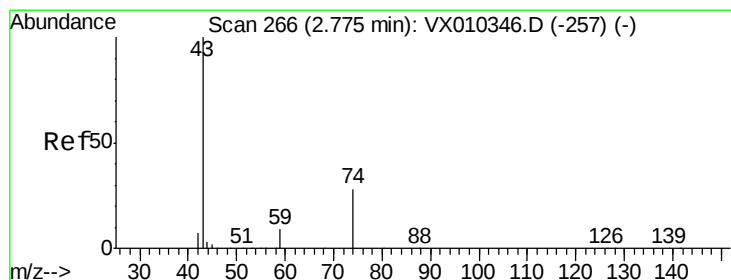
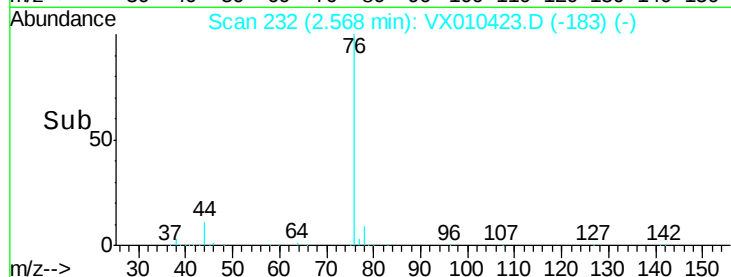
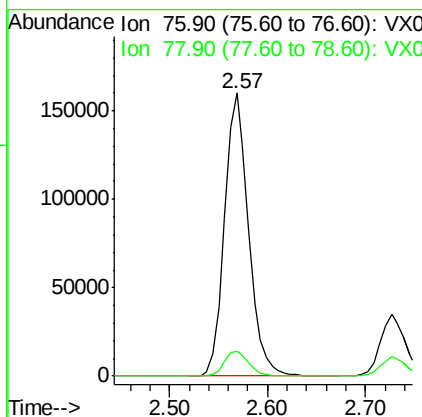
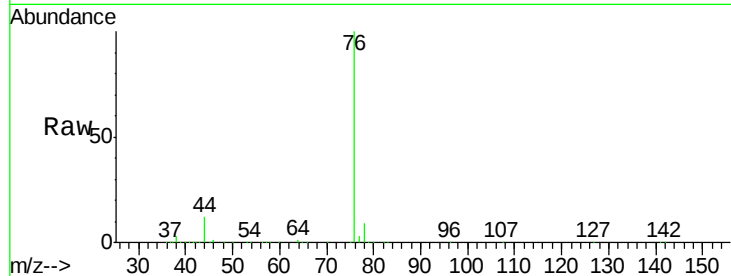
#17
Carbon Disulfide
Concen: 43.804 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

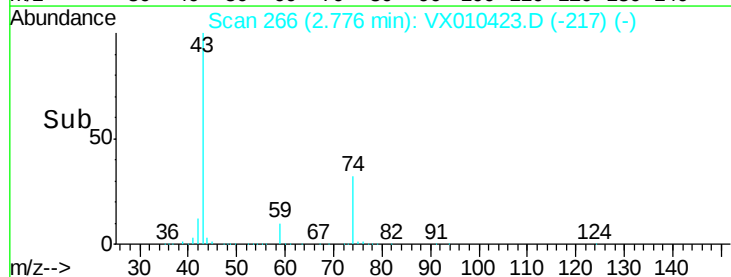
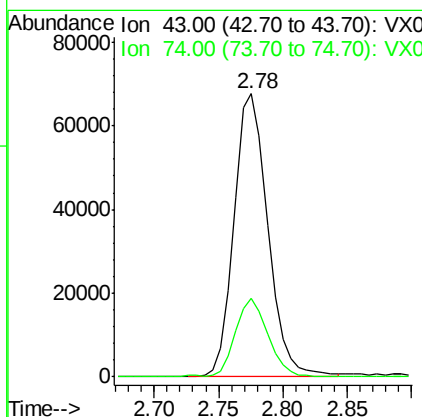
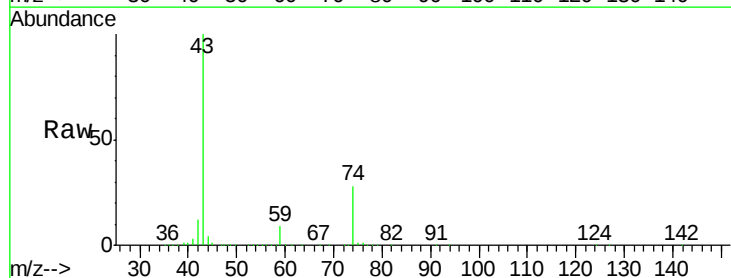
Manual Integrations
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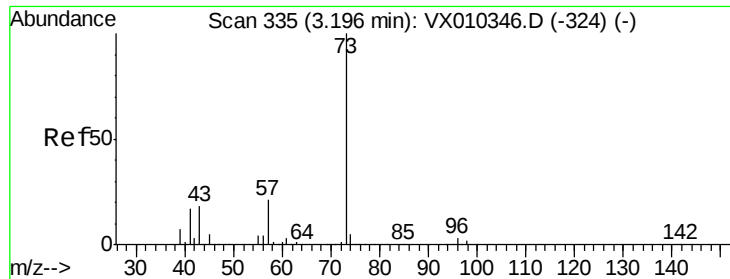
MMDadoda
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#18
Methyl Acetate
Concen: 49.126 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	21.3	31.9





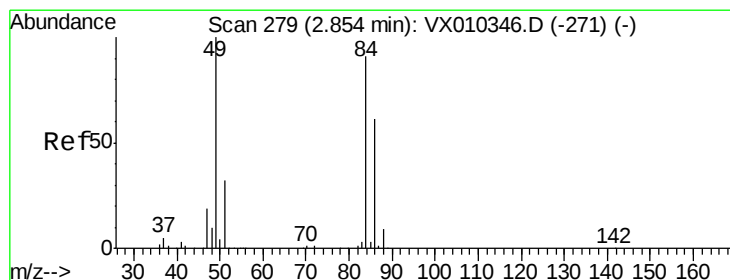
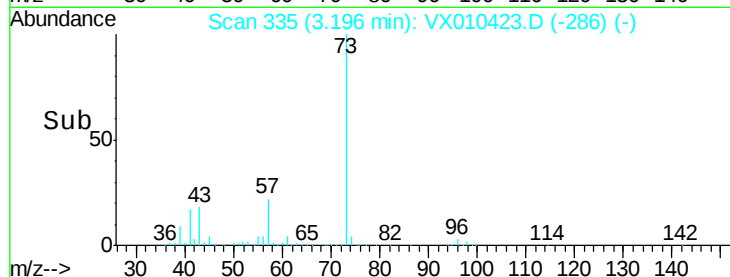
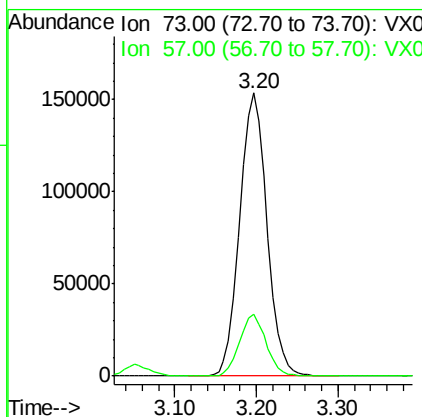
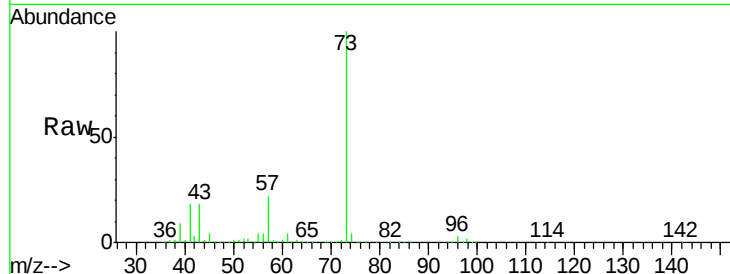
#19
Methyl tert-butyl Ether
Concen: 48.858 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.4	24.6

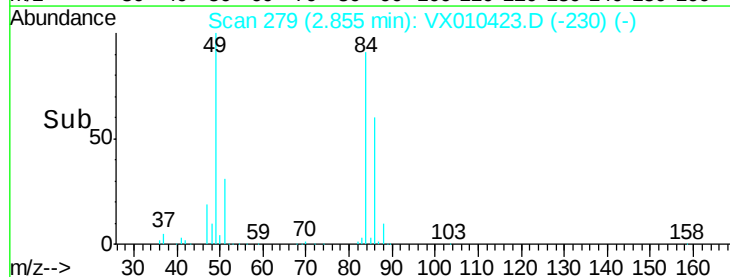
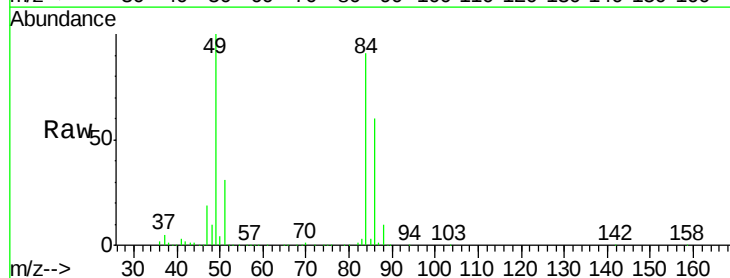
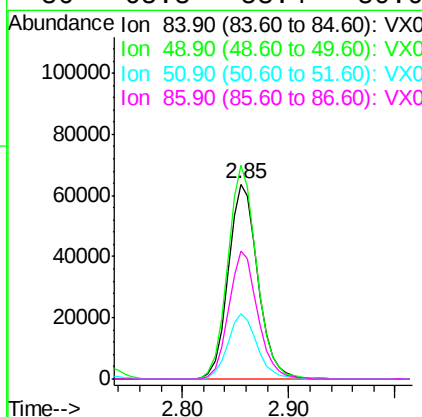
Manual Integrations
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#20
Methylene Chloride
Concen: 47.858 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.6	87.5	131.3
51	33.5	27.7	41.5
86	65.8	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 46.649 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

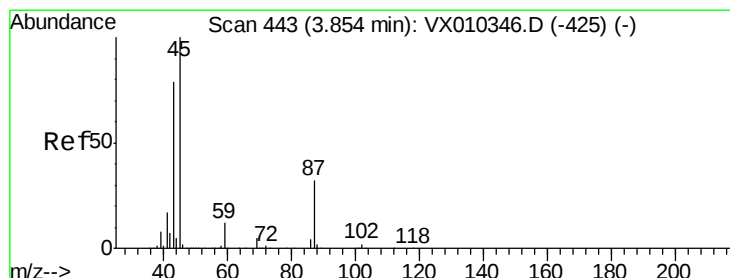
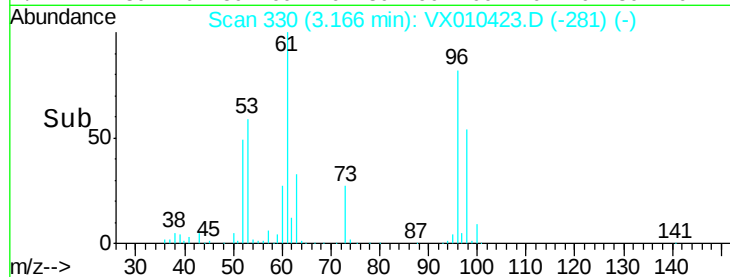
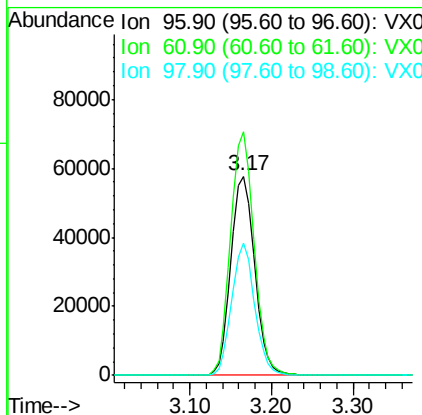
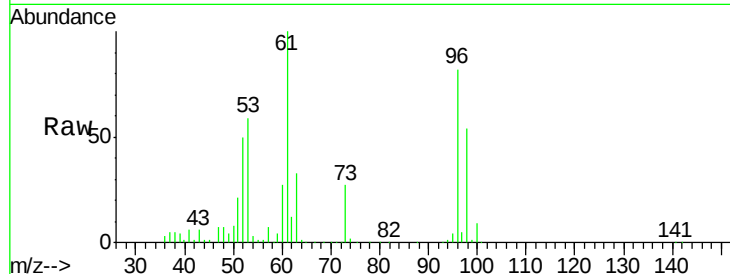
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	116186
Ion	Ratio	Lower	Upper
96	100		
61	122.3	95.6	143.4
98	66.6	52.5	78.7

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#22

Diisopropyl ether

Concen: 48.694 ug/l

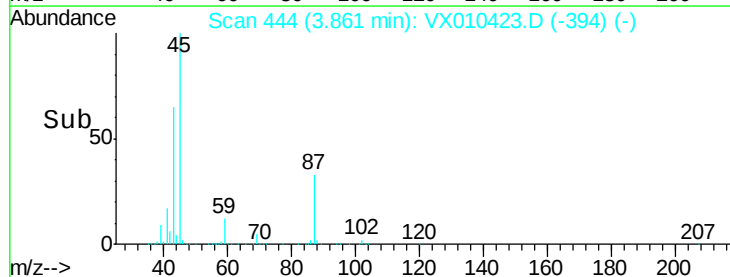
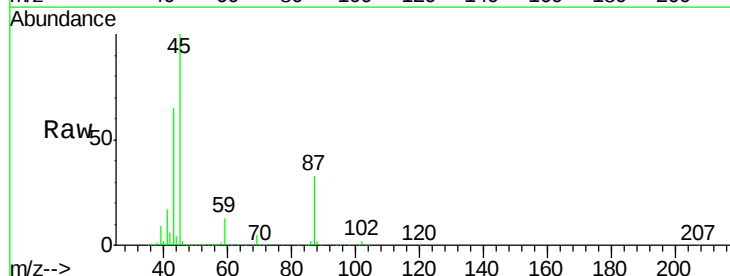
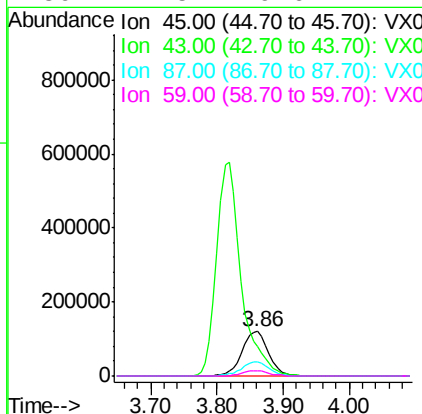
RT: 3.86 min Scan# 444

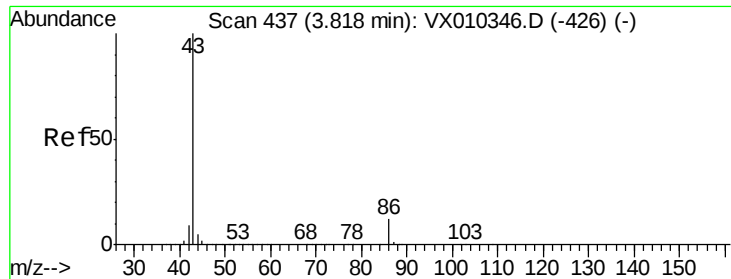
Delta R.T. 0.01 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Tgt Ion:	45	Resp:	334723
Ion	Ratio	Lower	Upper
45	100		
43	65.4	63.3	94.9
87	33.0	25.8	38.8
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 252.662 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1500403

Ion Ratio Lower Upper

43 100

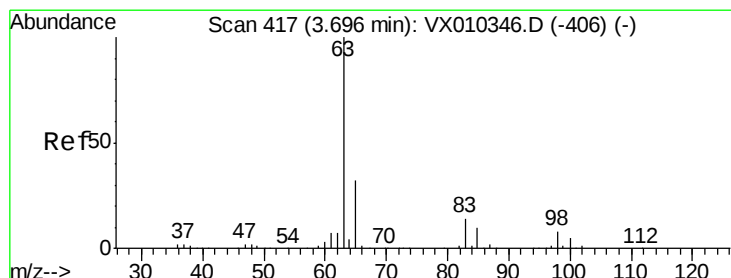
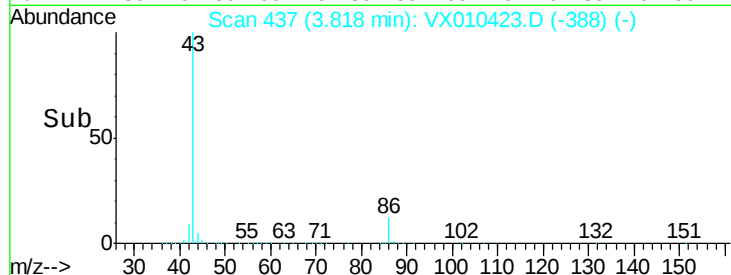
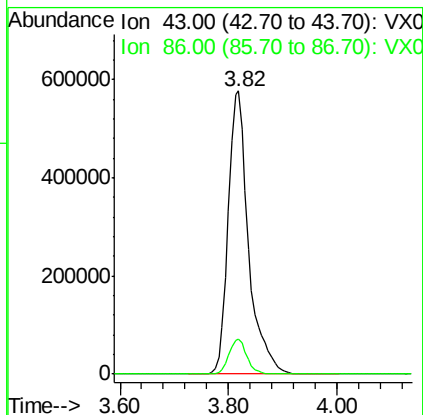
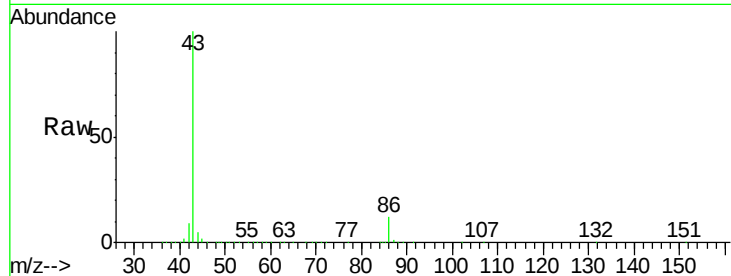
86 12.3 9.9 14.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.650 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

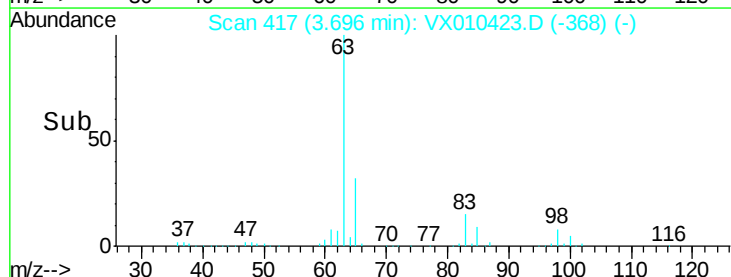
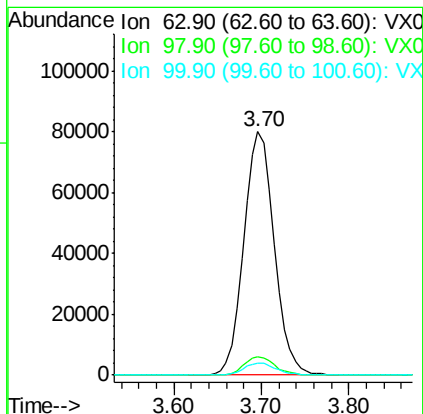
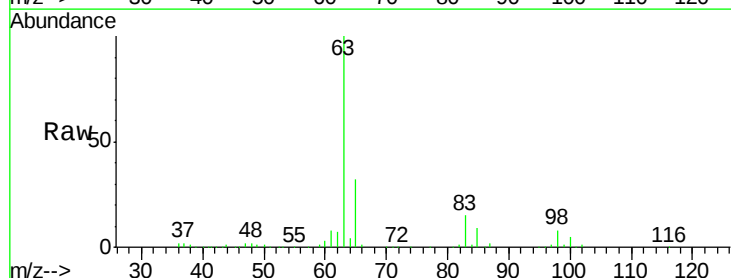
Tgt Ion: 63 Resp: 193308

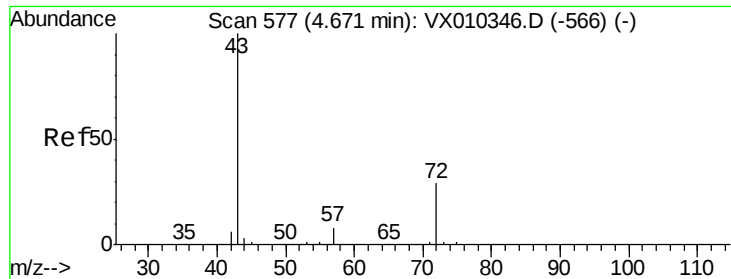
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 239.888 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 441770

Ion Ratio Lower Upper

43 100

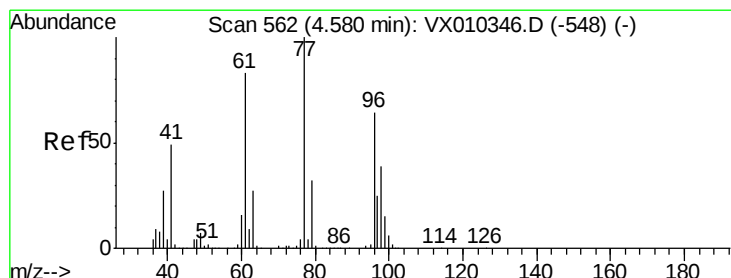
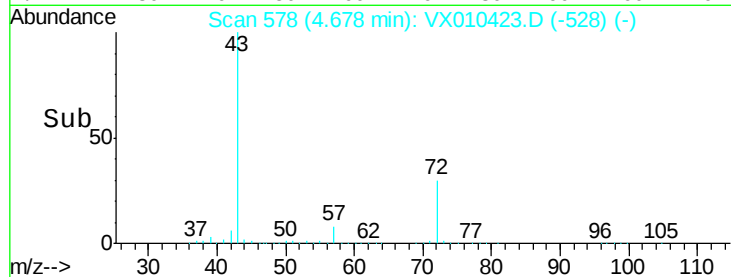
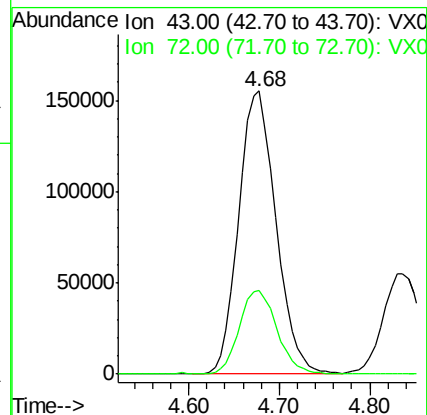
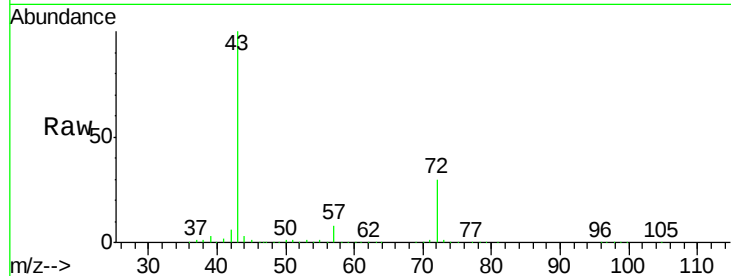
72 29.5 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.024 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010423.D

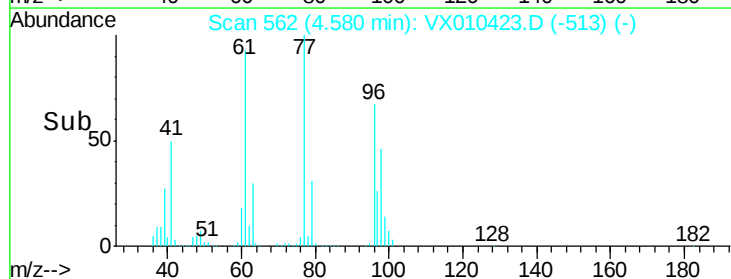
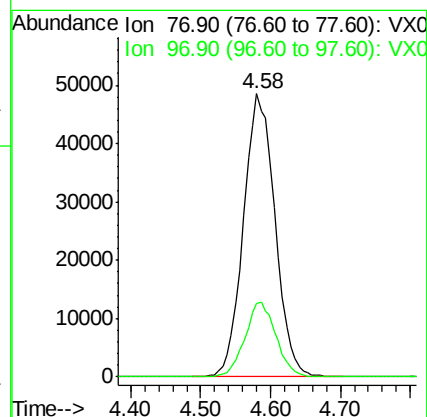
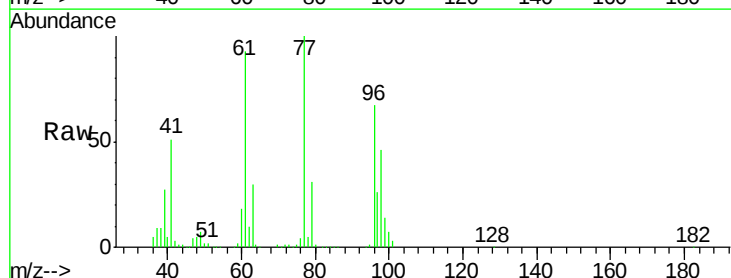
Acq: 24 Jun 2019 19:44

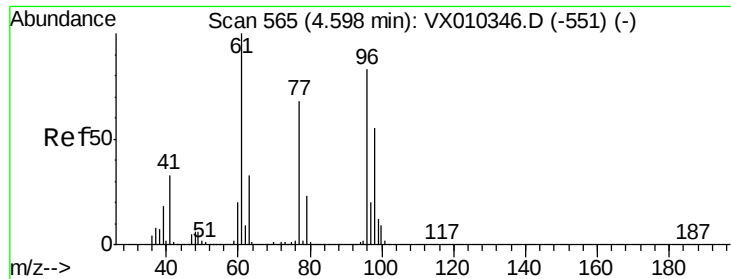
Tgt Ion: 77 Resp: 151958

Ion Ratio Lower Upper

77 100

97 26.0 13.1 39.3





#27

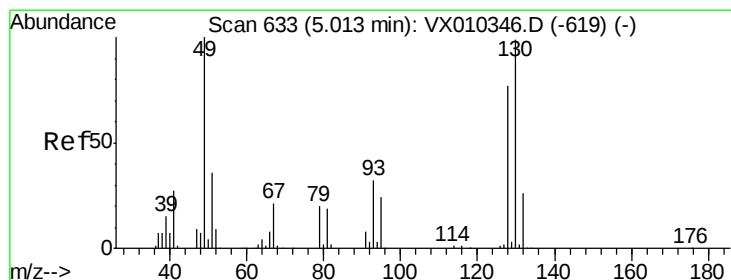
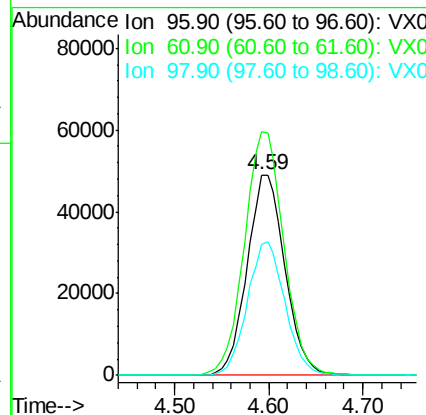
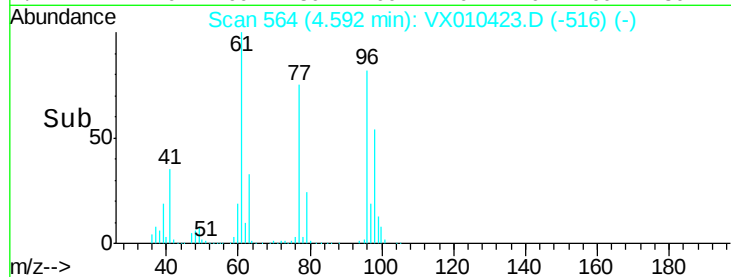
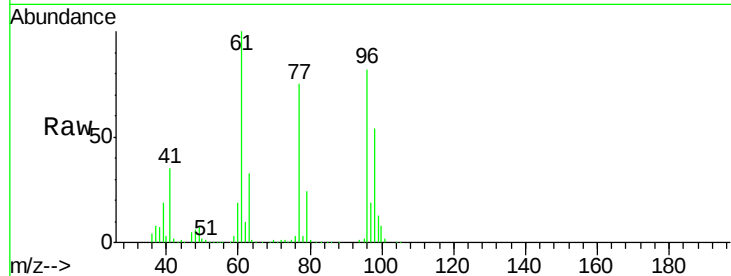
cis-1,2-Dichloroethene
Concen: 48.000 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	138151		
61	127.0	0.0	251.8	
98	66.3	0.0	129.4	

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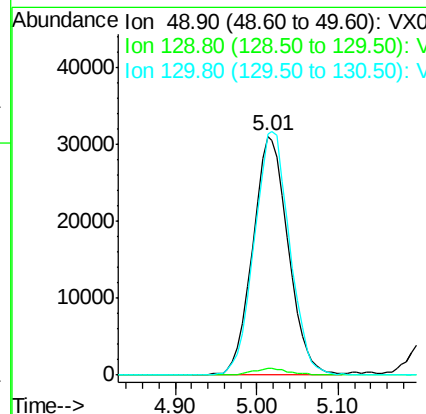
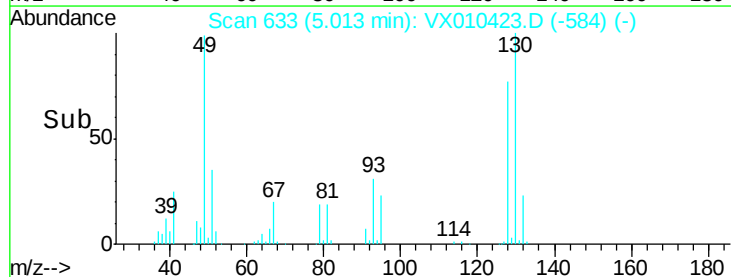
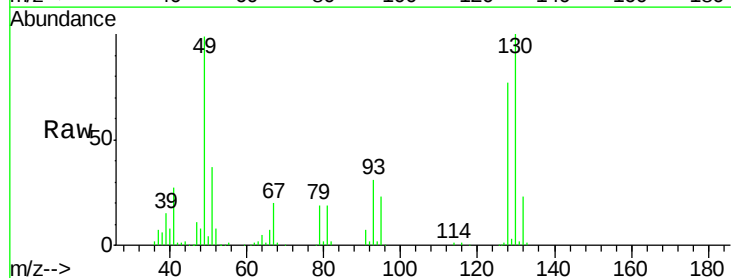
MMDadoda
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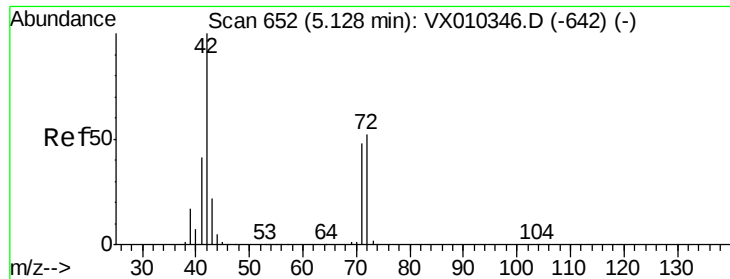


#28

Bromochloromethane
Concen: 49.578 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94186		
129	2.9	0.0	5.6	
130	101.6	81.4	122.0	





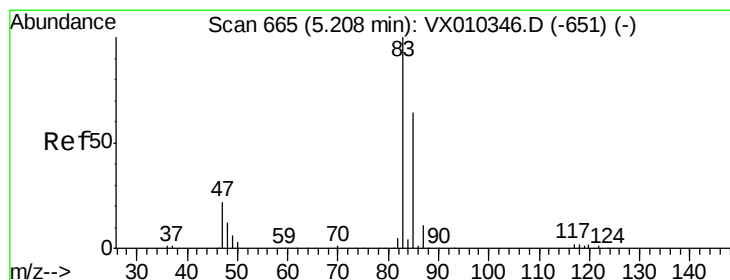
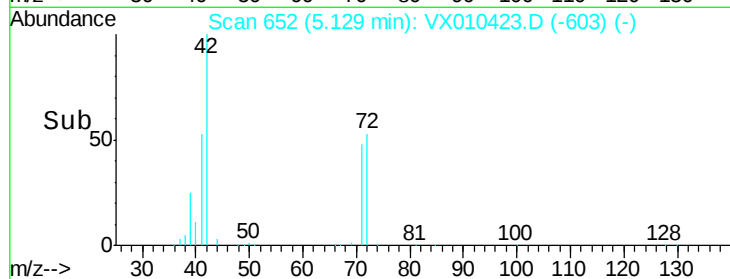
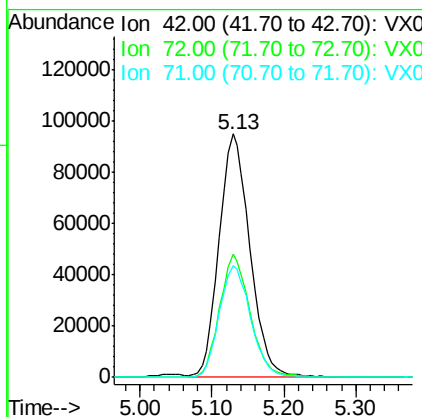
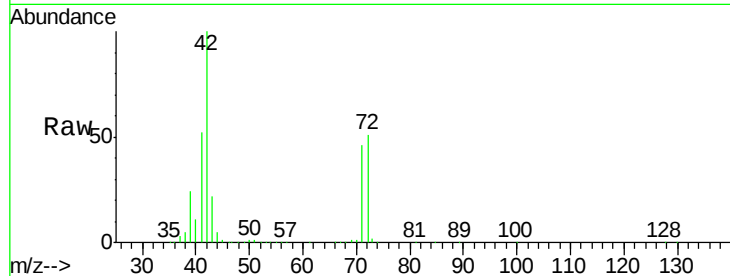
#29
Tetrahydrofuran
Concen: 246.370 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	40.6	60.8
71	46.9	37.8	56.8

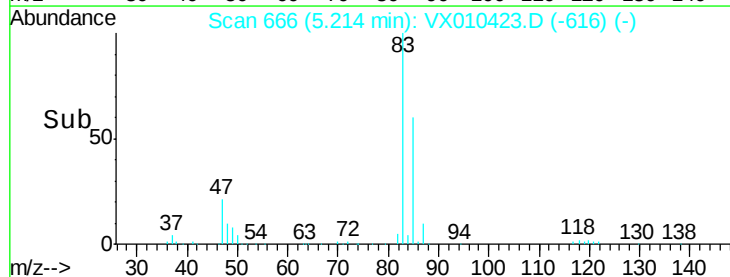
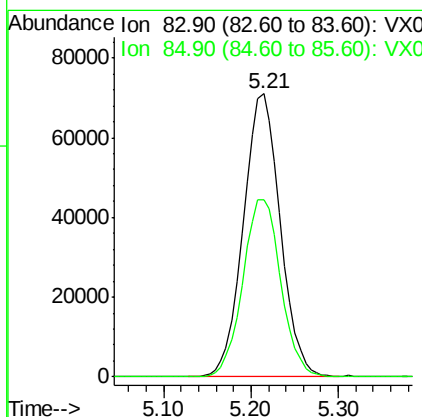
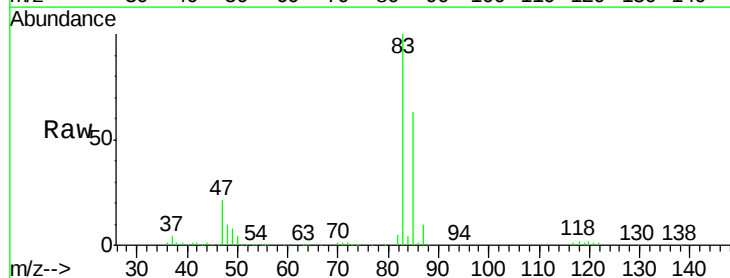
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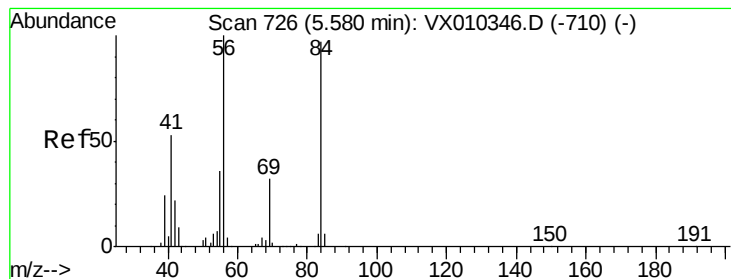
MMDadoda
6/25/2019 9:01:50 AM



#30
Chloroform
Concen: 48.787 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.9	76.3





#31

Cyclohexane

Concen: 47.563 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 172098

Ion Ratio Lower Upper

56 100

69 32.2 25.9 38.9

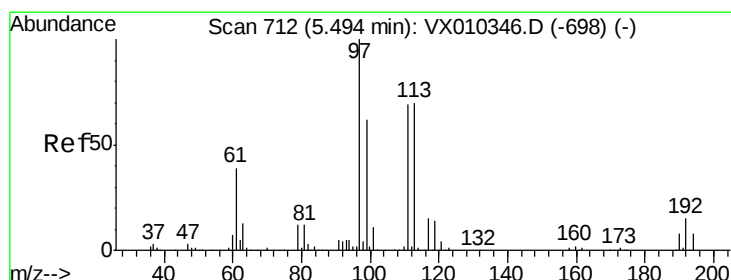
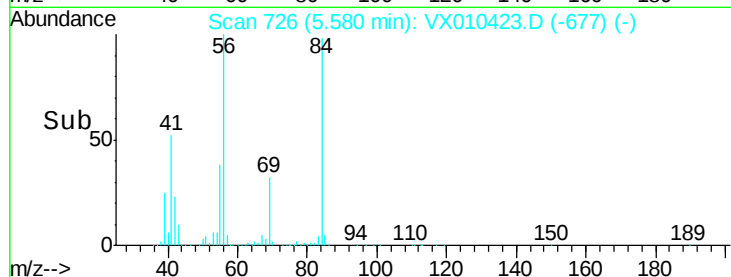
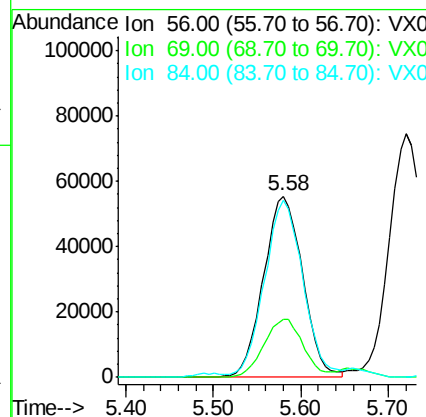
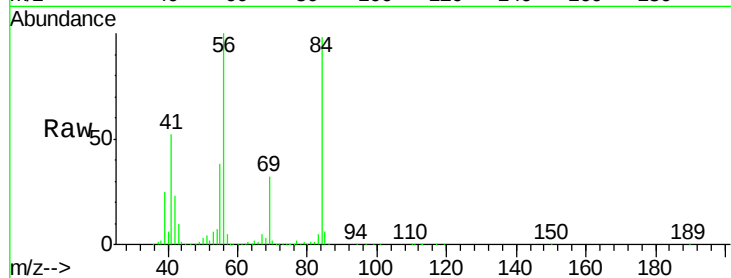
84 96.6 78.0 117.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 48.857 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

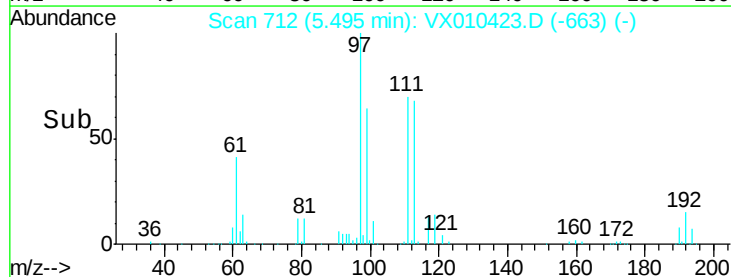
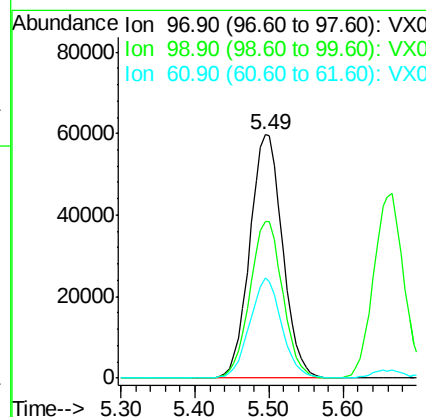
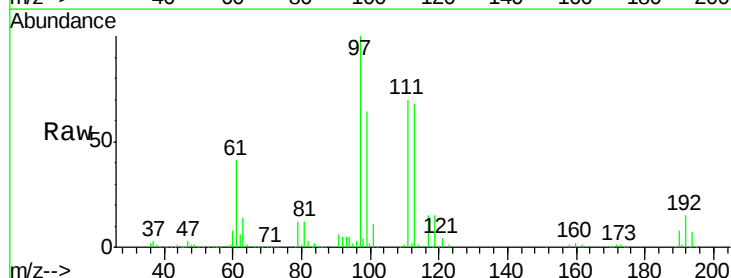
Tgt Ion: 97 Resp: 184433

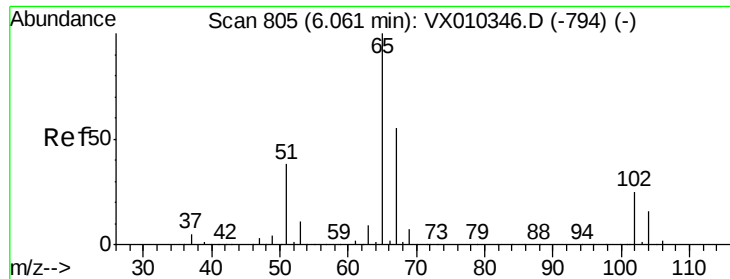
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

61 40.2 32.1 48.1





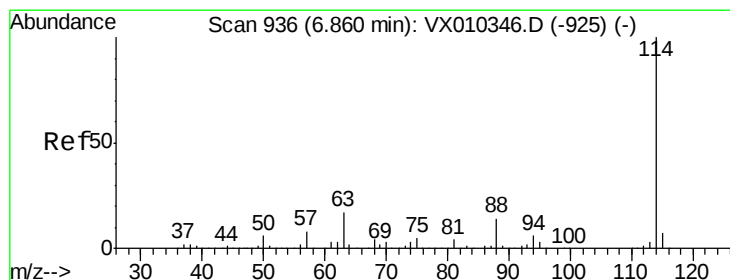
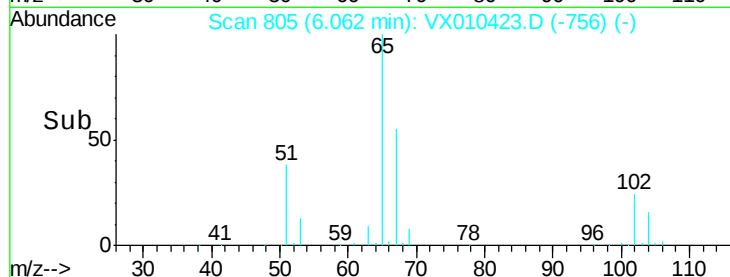
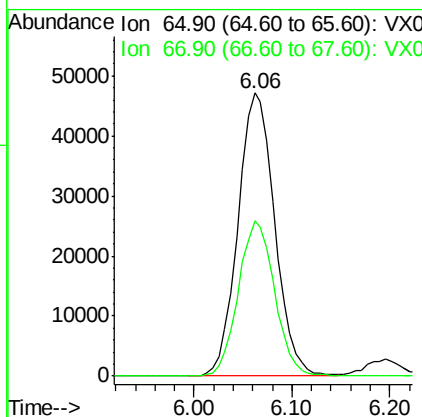
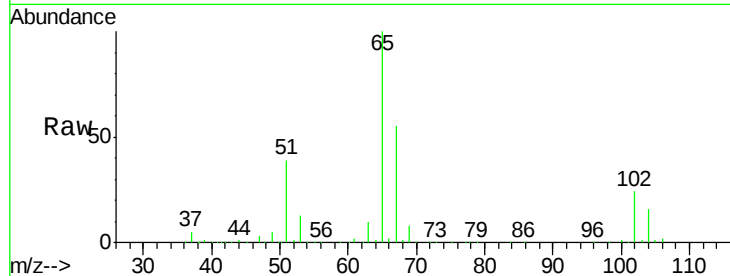
#33
 1,2-Dichloroethane-d4
 Concen: 49.165 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123158		
67	54.4	0.0	110.2	

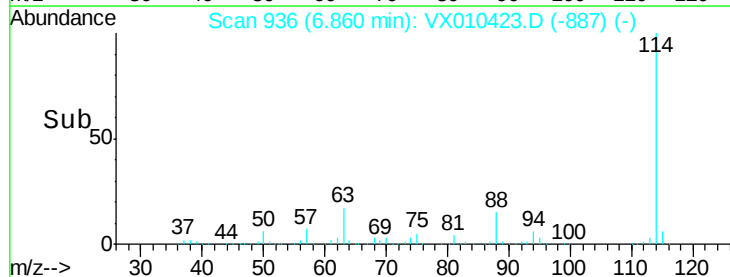
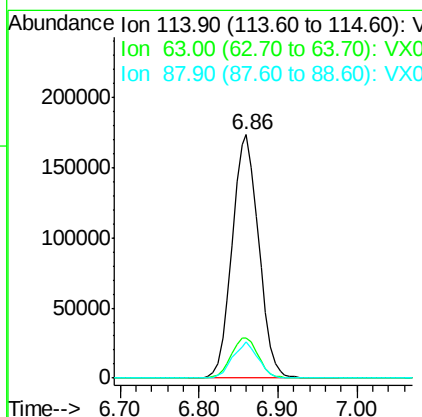
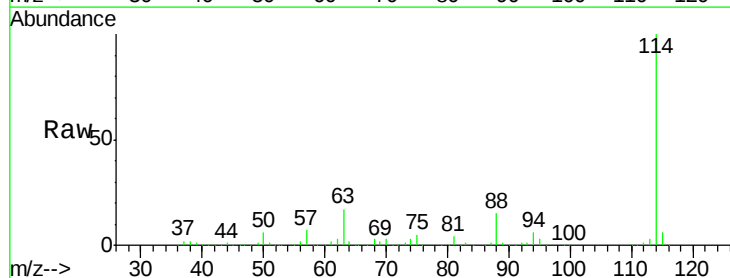
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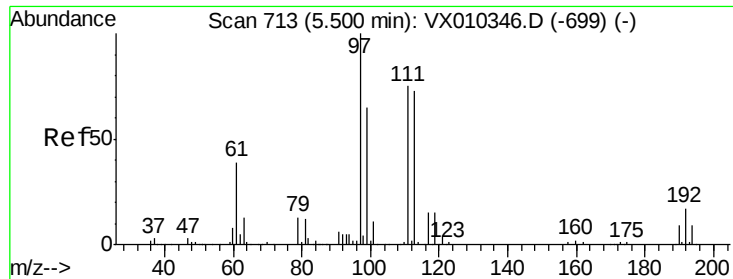
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 6/25/2019 9:01:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	406144		
63	16.6	0.0	33.8	
88	14.7	0.0	27.6	





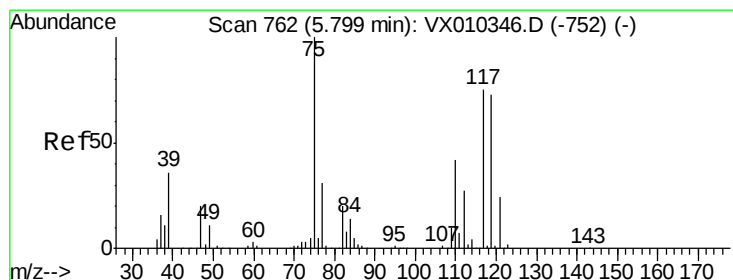
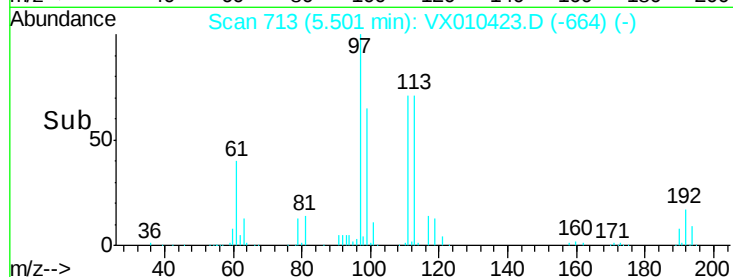
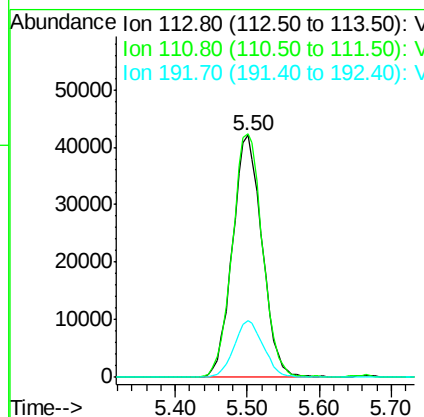
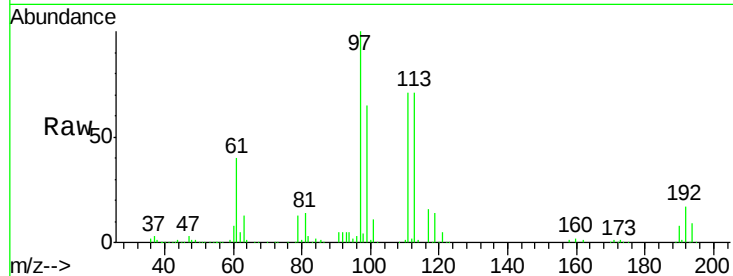
#35
Dibromofluoromethane
Concen: 48.380 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120222		
111	102.5	81.2	121.8	
192	23.1	18.6	27.8	

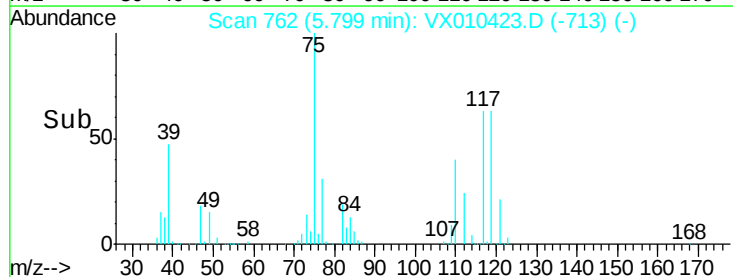
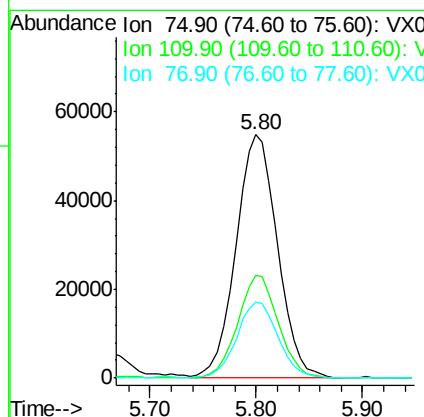
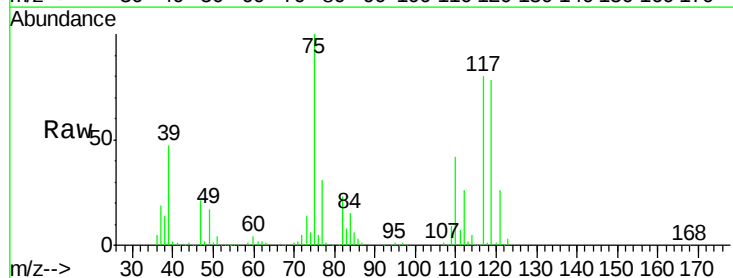
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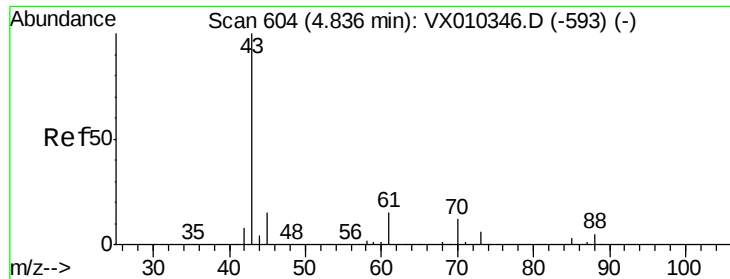
MMDadoda
6/25/2019 9:01:50 AM



#36
1,1-Dichloropropene
Concen: 46.154 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148960		
110	41.6	20.8	62.2	
77	31.8	25.4	38.0	





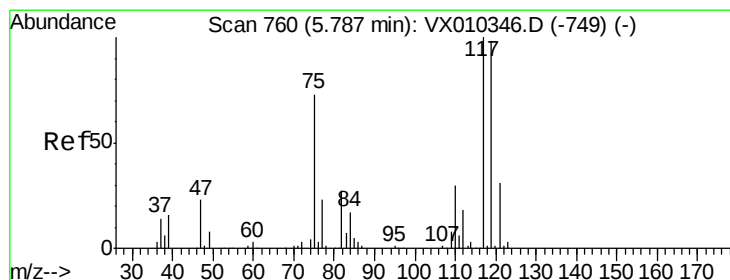
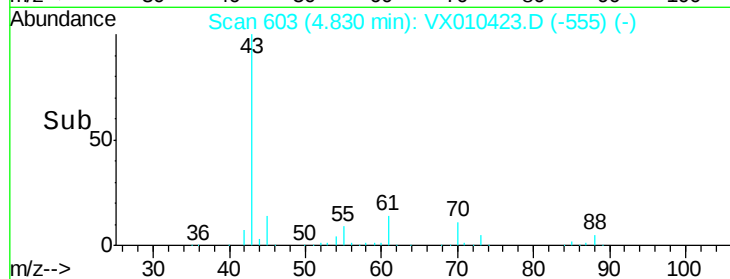
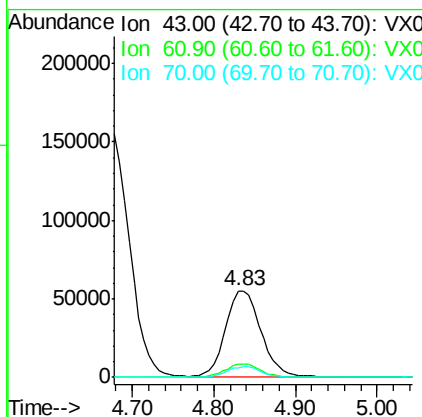
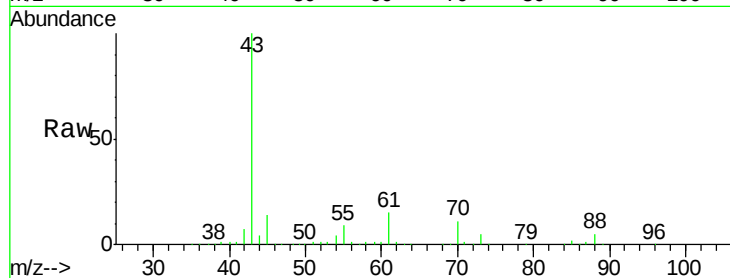
#37
Ethyl Acetate
Concen: 49.677 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.4	18.6
70	12.0	9.8	14.8

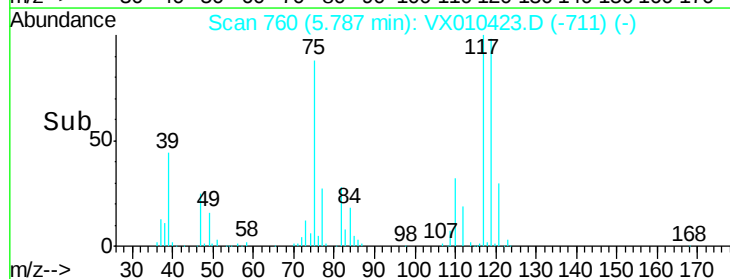
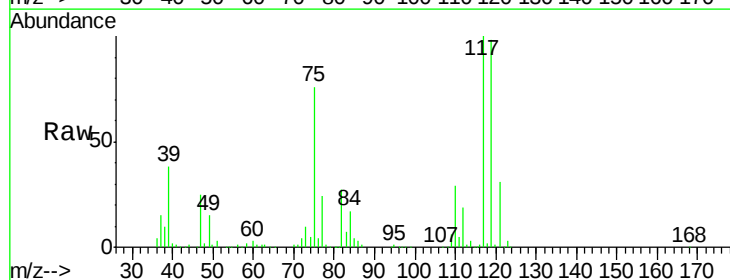
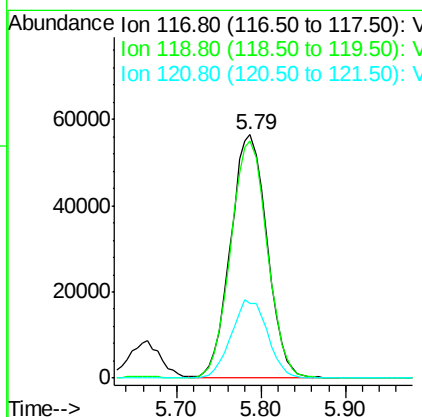
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6/25/2019 9:01:50 AM



#38
Carbon Tetrachloride
Concen: 47.319 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.2	117.4
121	30.9	24.7	37.1





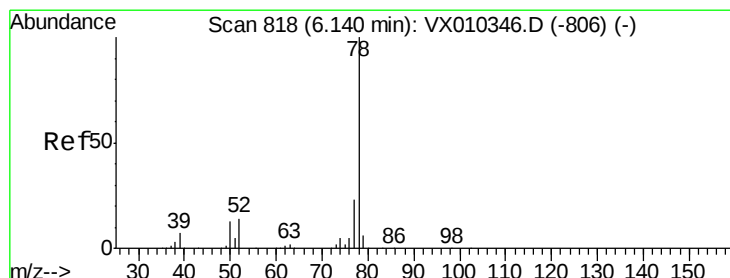
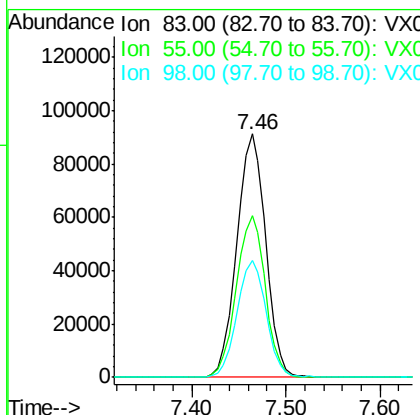
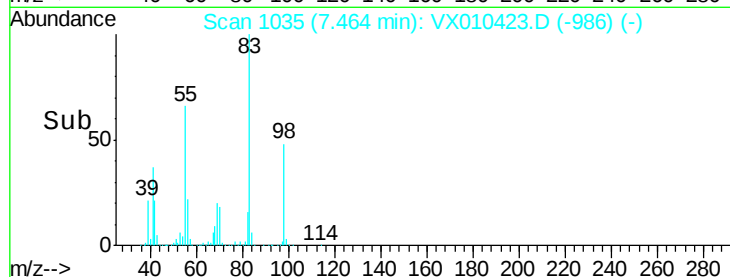
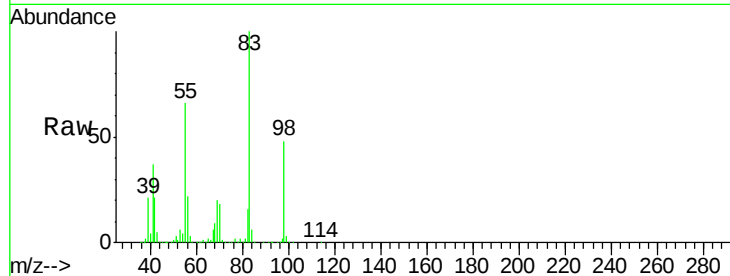
#39
Methvlcvclohexane
Concen: 46.099 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.1	53.0	79.6
98	48.0	37.8	56.8

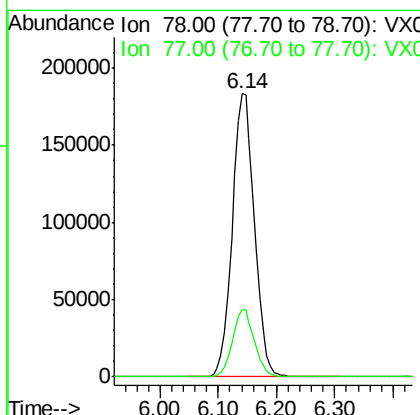
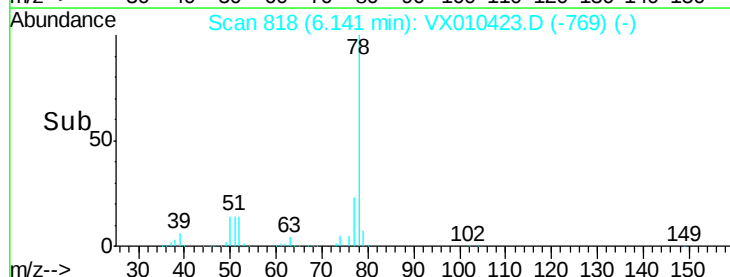
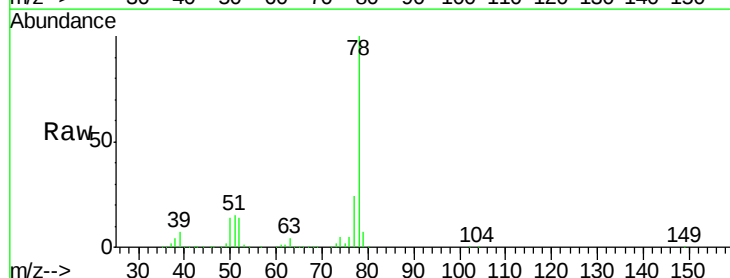
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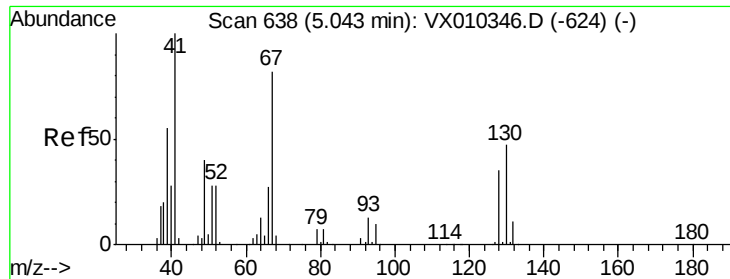
MMDadoda
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#40
Benzene
Concen: 48.149 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0





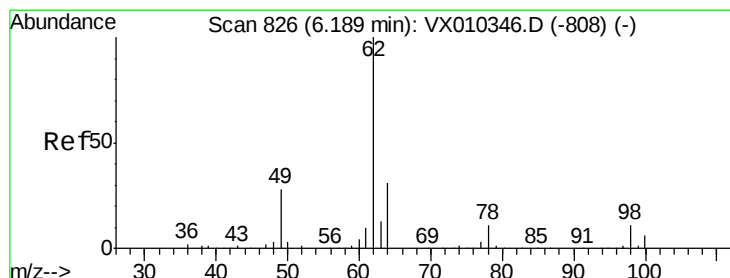
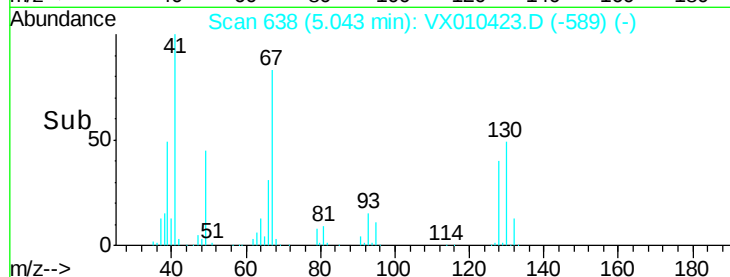
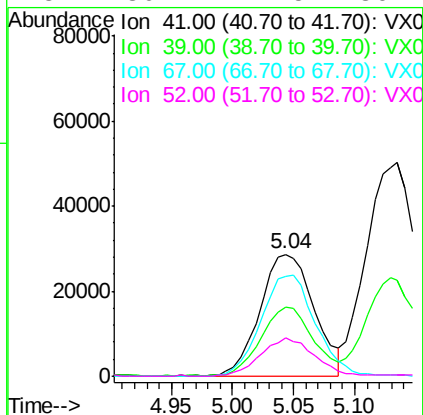
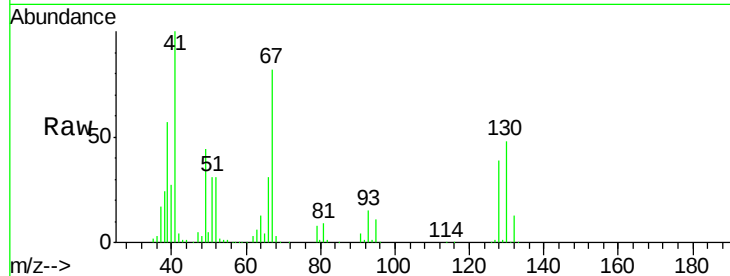
#41
Methacrylonitrile
Concen: 48.239 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.8	65.8
67	84.3	66.6	100.0
52	30.7	24.5	36.7

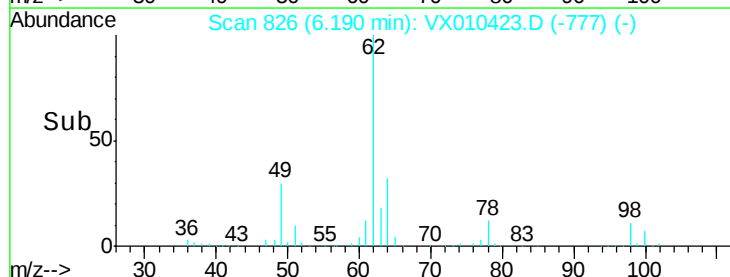
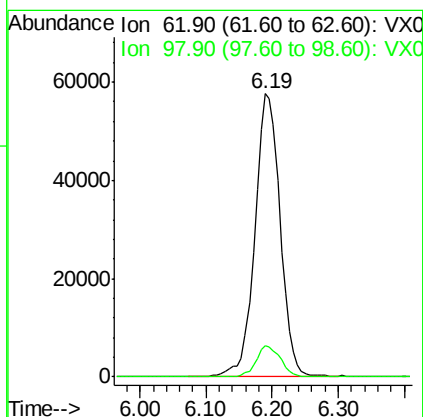
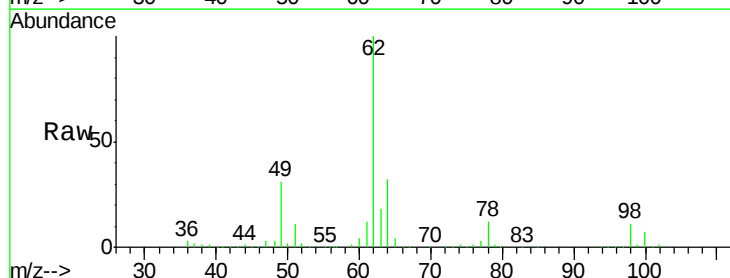
Manual Integrations
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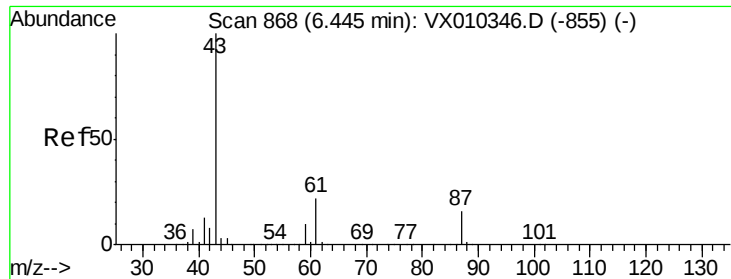
MMDadoda
6/25/2019 9:01:50 AM



#42
1,2-Dichloroethane
Concen: 49.863 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.2





#43

Isopropyl Acetate

Concen: 48.944 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

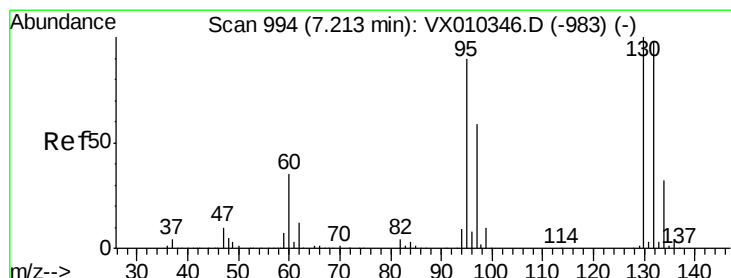
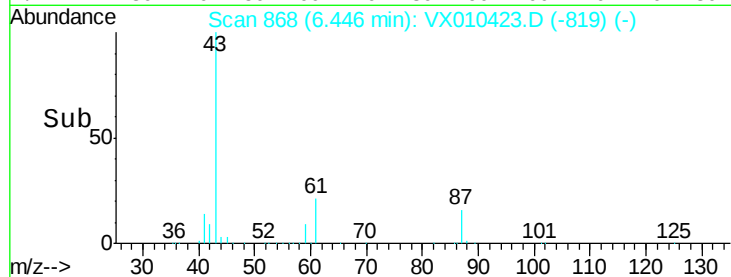
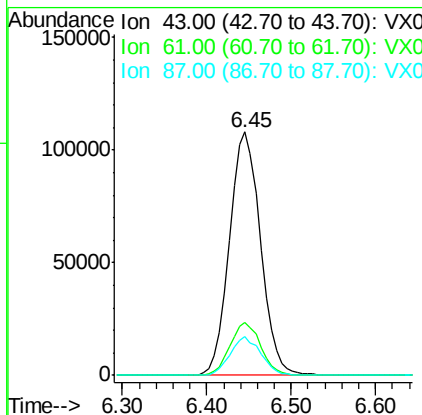
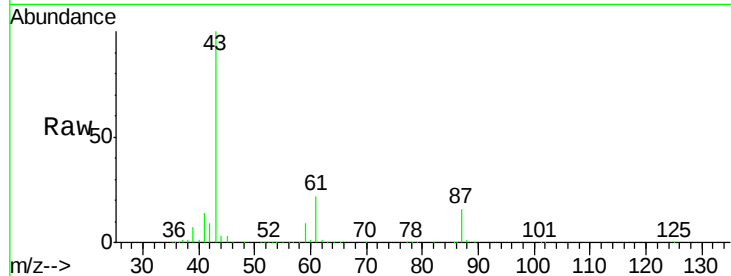
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	268862
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.8	26.6
87	15.8	13.0	19.4

Manual Integrations
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#44

Trichloroethene

Concen: 47.465 ug/l

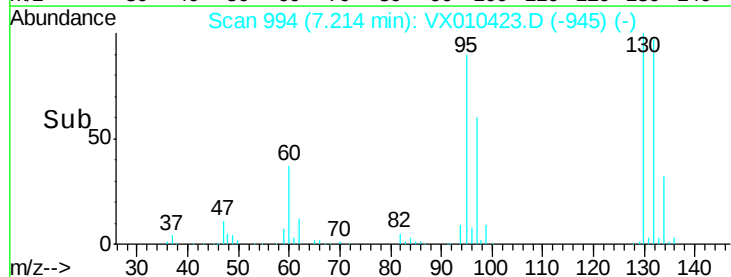
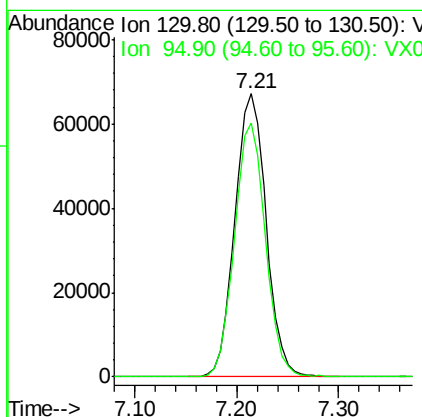
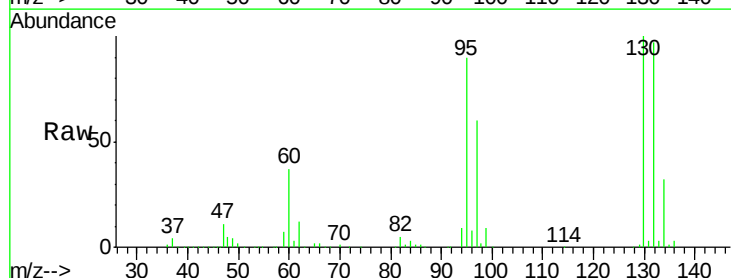
RT: 7.21 min Scan# 994

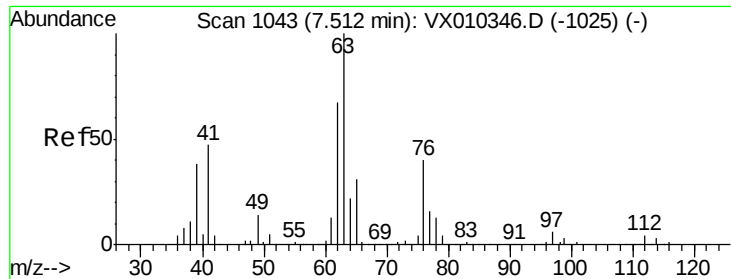
Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Tgt Ion:	130	Resp:	142810
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	180.8





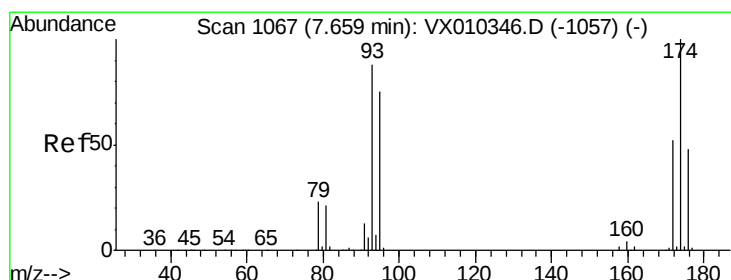
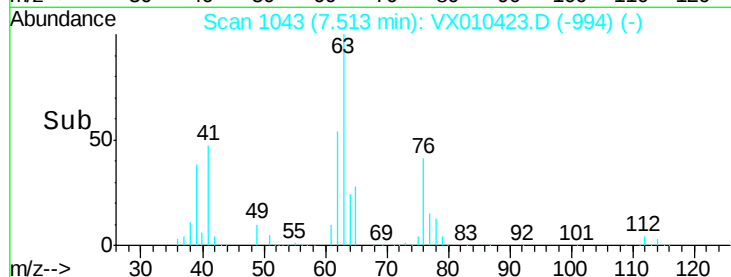
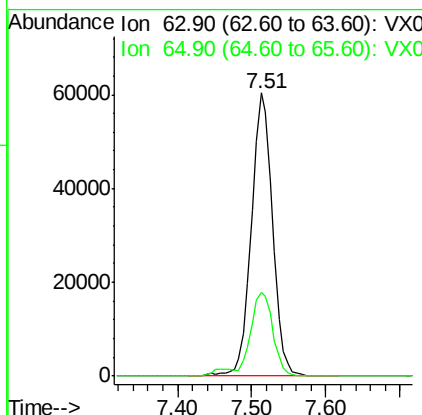
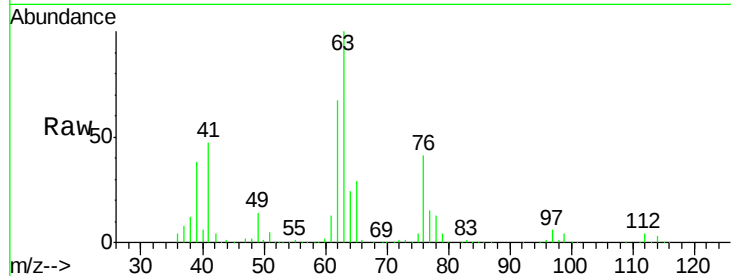
#45
 1,2-Dichloropropane
 Concen: 47.702 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.8	37.2

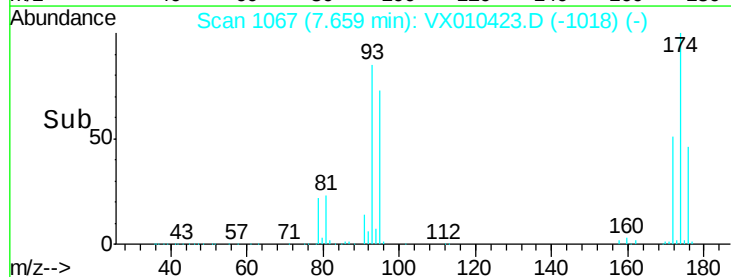
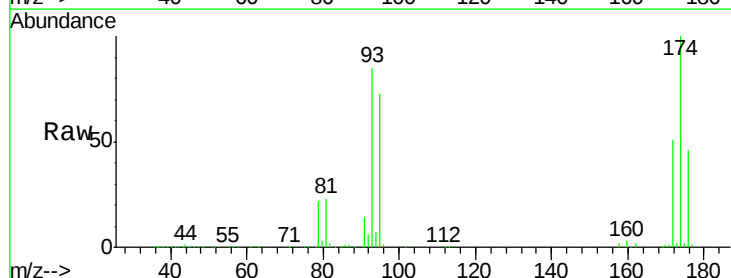
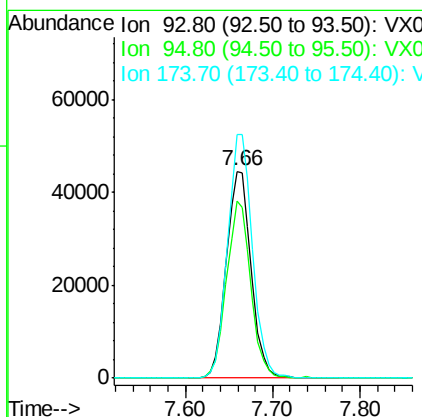
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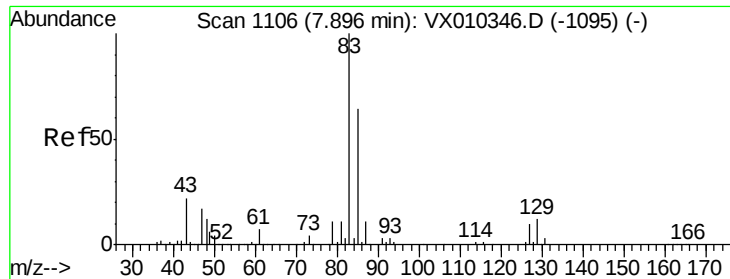
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 6/25/2019 9:01:50 AM



#46
 Dibromomethane
 Concen: 48.251 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.5	101.3
174	118.2	95.8	143.6





#47

Bromodichloromethane

Concen: 48.458 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

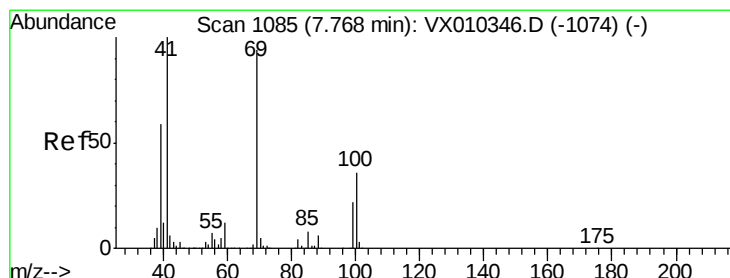
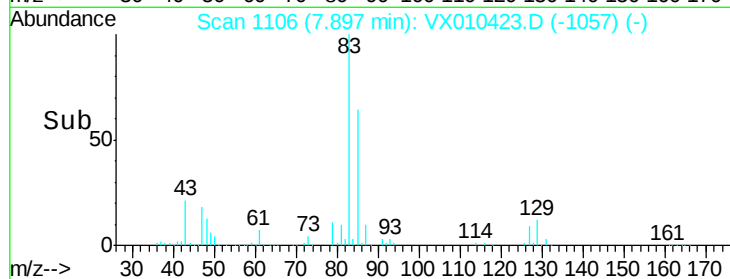
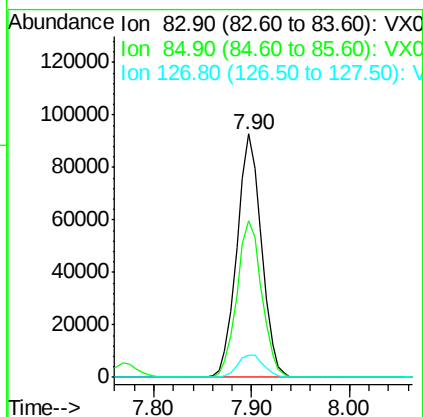
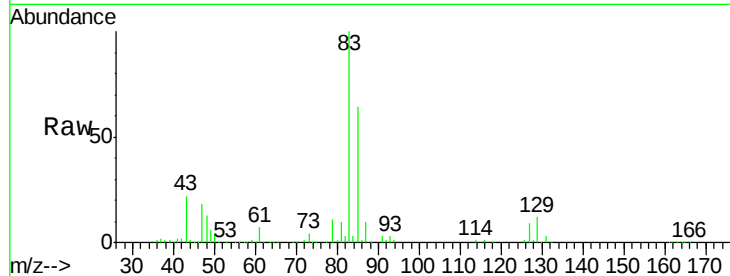
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	161785
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3
127	9.3	7.8	11.8

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#48

Methyl methacrylate

Concen: 49.883 ug/l

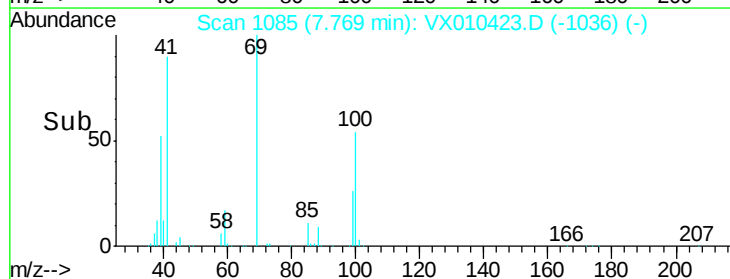
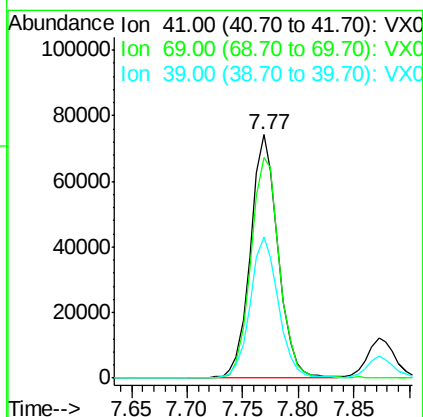
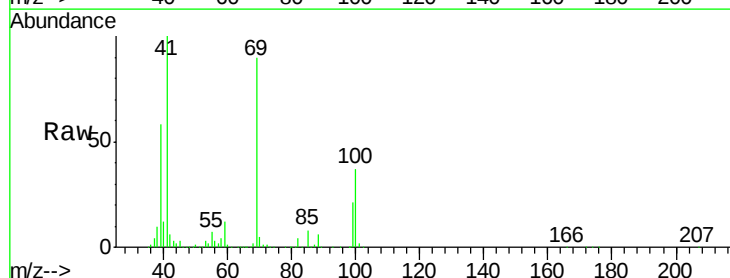
RT: 7.77 min Scan# 1085

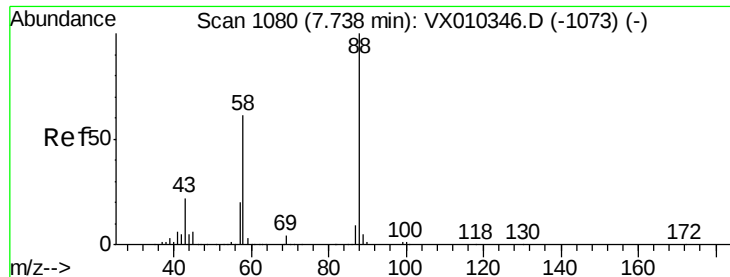
Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Tgt Ion:	41	Resp:	127371
Ion	Ratio	Lower	Upper
41	100		
69	94.7	76.1	114.1
39	58.6	47.6	71.4





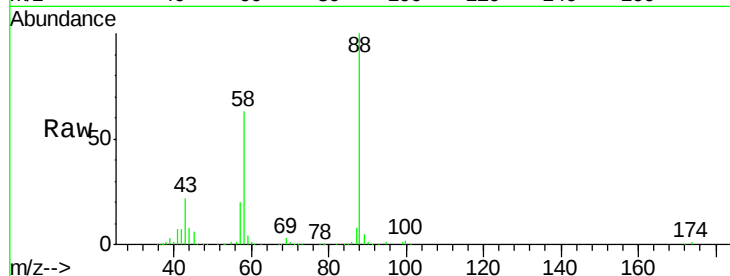
#49
1,4-Dioxane
Concen: 910.748 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

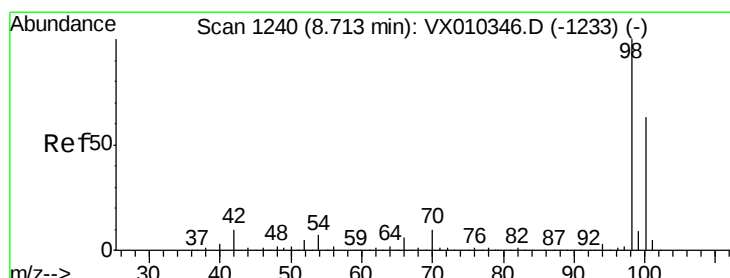
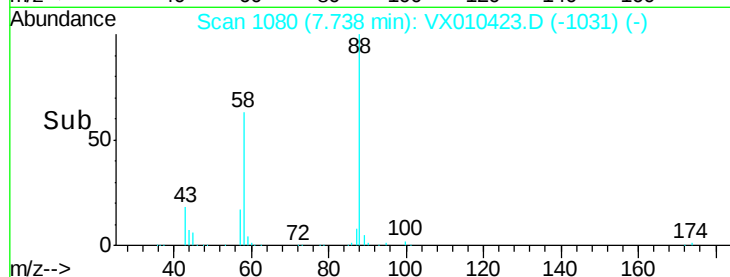
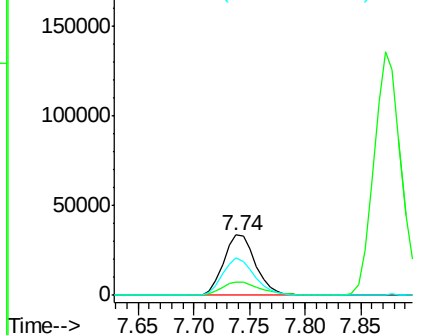
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.7	20.2	30.2
58	62.6	49.5	74.3

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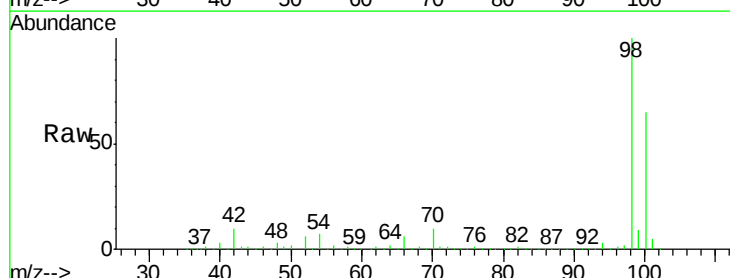


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

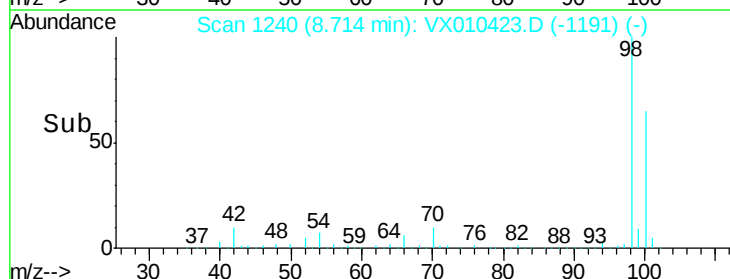
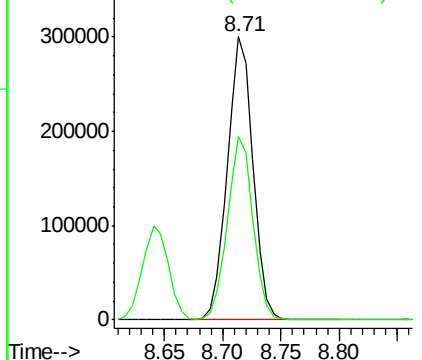


#50
Toluene-d8
Concen: 48.310 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 246.516 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 866088

Ion Ratio Lower Upper

43 100

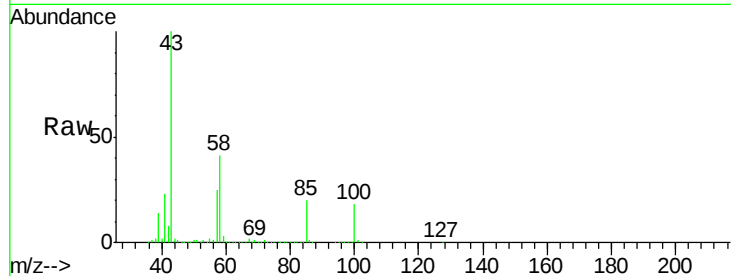
58 41.3 33.5 50.3

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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

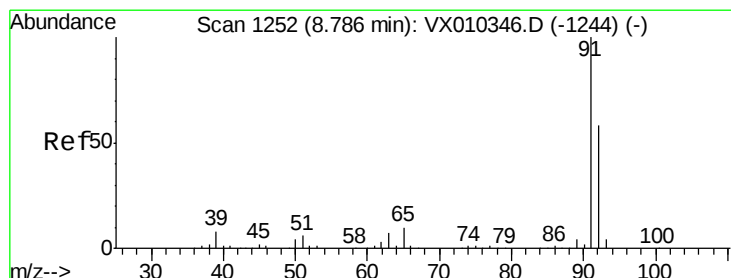
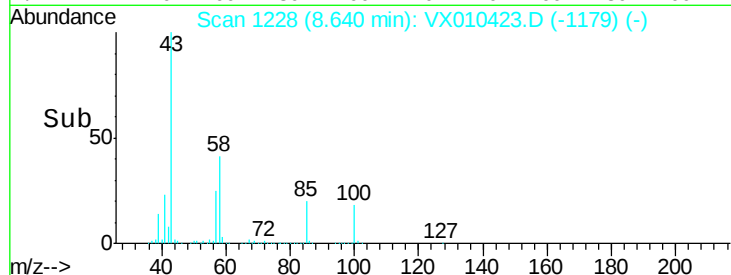
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 47.877 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010423.D

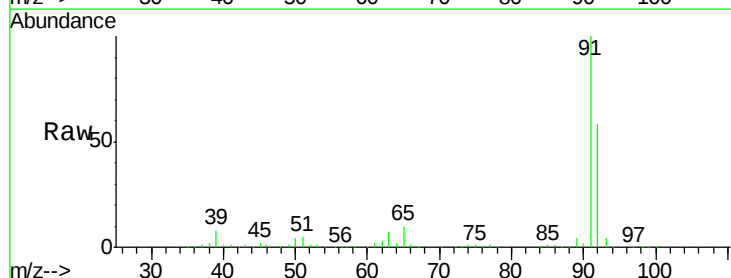
Acq: 24 Jun 2019 19:44

Tgt Ion: 92 Resp: 317019

Ion Ratio Lower Upper

92 100

91 174.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

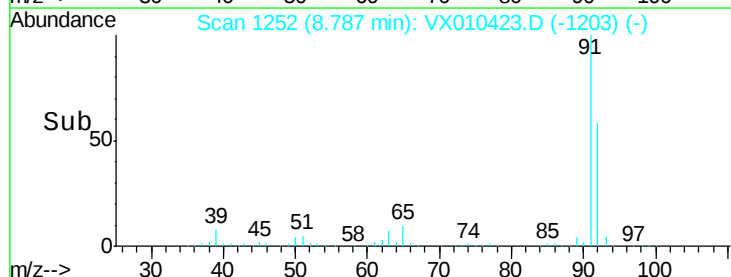
200000

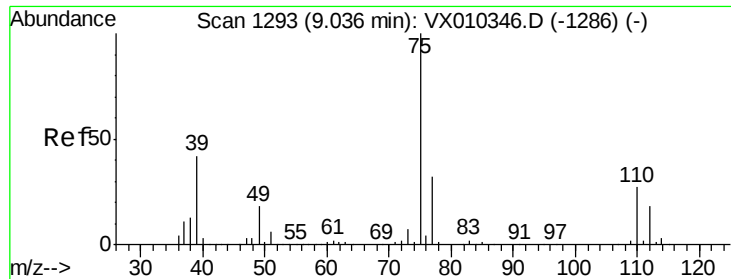
100000

0

8.70 8.75 8.80 8.85 8.90

Time-->





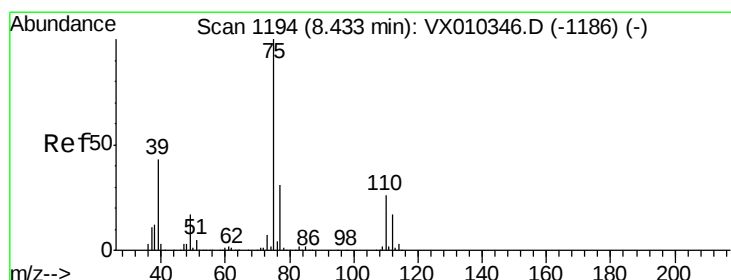
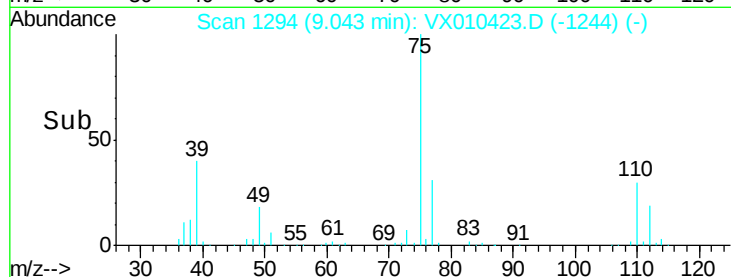
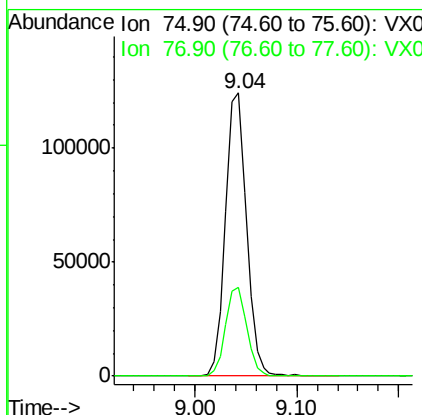
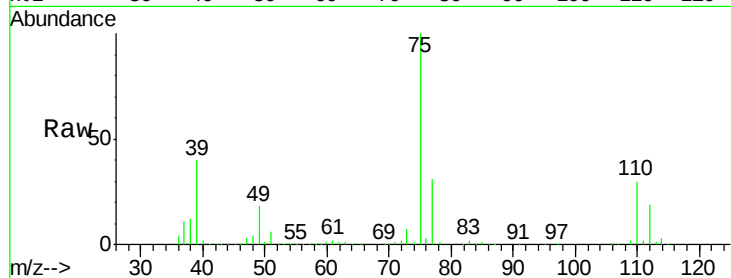
#53
t-1,3-Dichloropropene
Concen: 47.712 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 178592
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

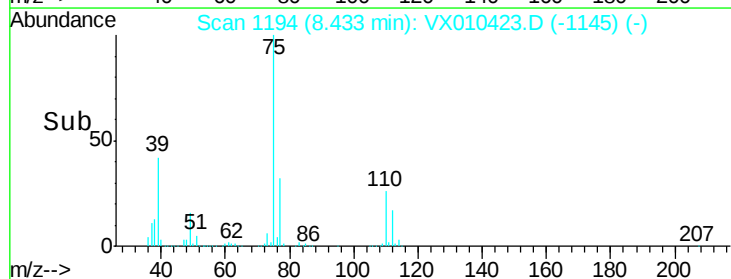
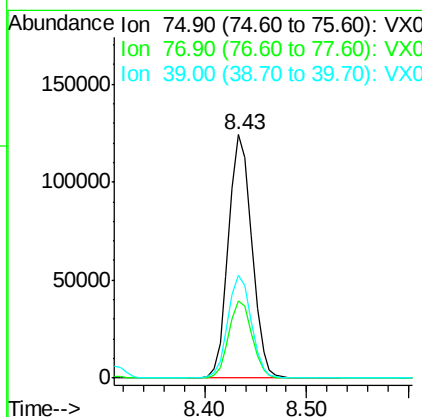
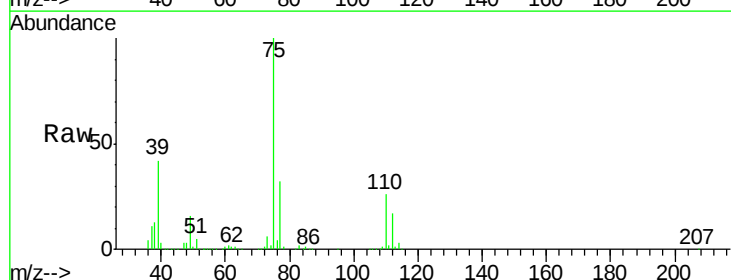
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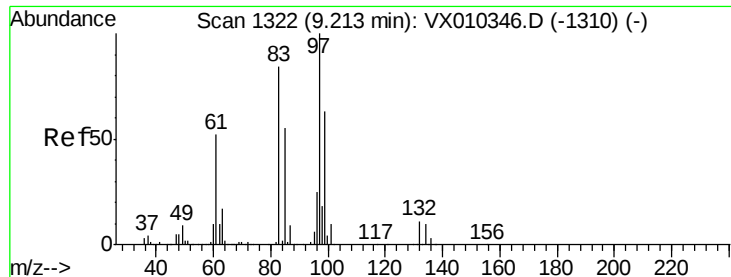
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#54
cis-1,3-Dichloropropene
Concen: 48.421 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion: 75 Resp: 196961
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8
39 42.3 34.5 51.7





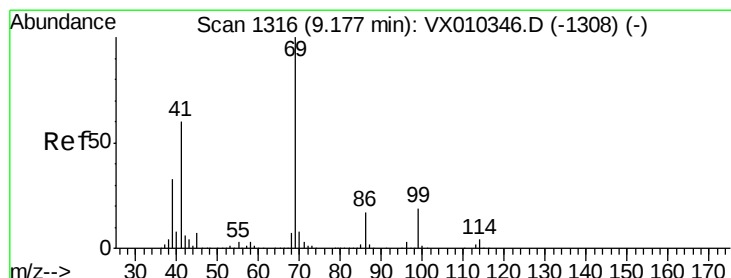
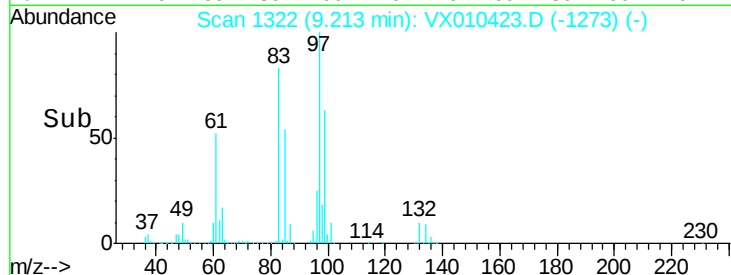
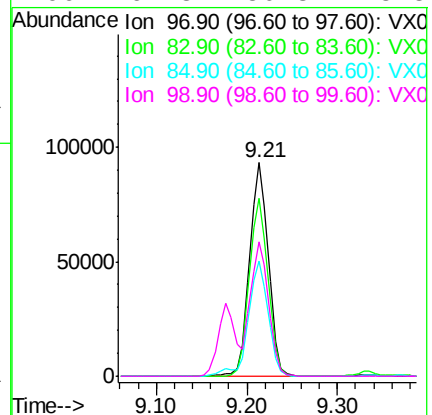
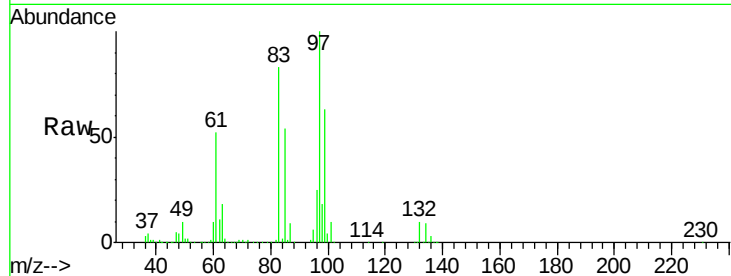
#55
 1,1,2-Trichloroethane
 Concen: 48.937 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	133641
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.4	101.0
85	54.0	43.8	65.8
99	62.8	50.3	75.5

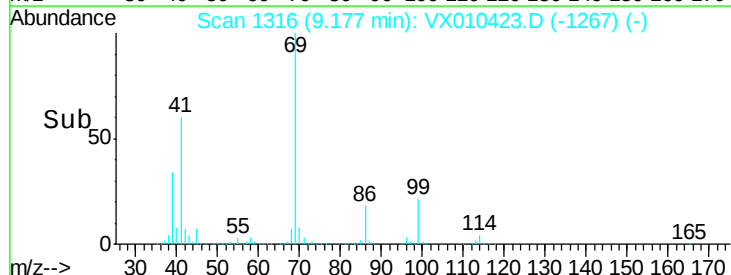
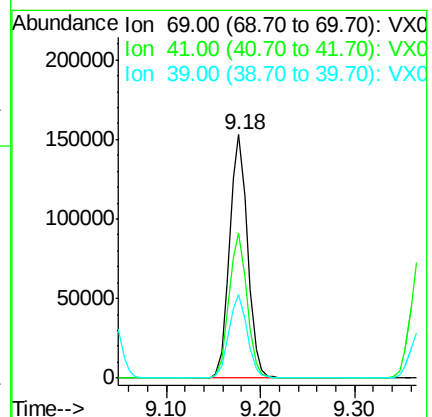
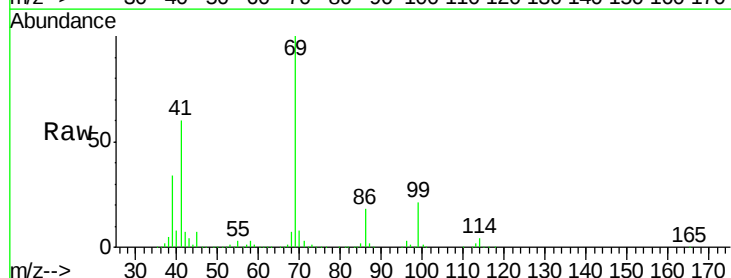
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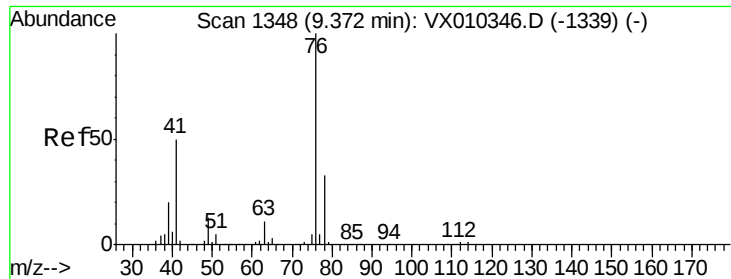
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 6/25/2019 9:01:50 AM



#56
 Ethyl methacrylate
 Concen: 49.161 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Tgt Ion:	69	Resp:	203375
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.1	70.7
39	34.7	26.6	40.0





#57

1,3-Dichloropropane

Concen: 48.194 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Tot Ion: 76 Resp: 204300

Ion Ratio Lower Upper

76 100

78 33.0 26.1 39.1

Instrument :

MSVOA_X

ClientSampleId :

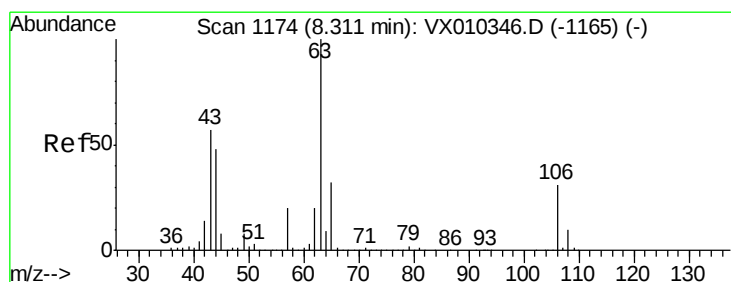
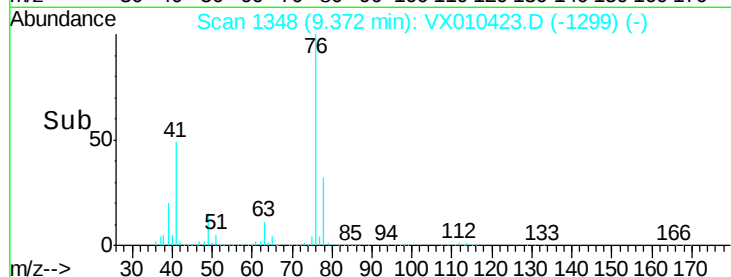
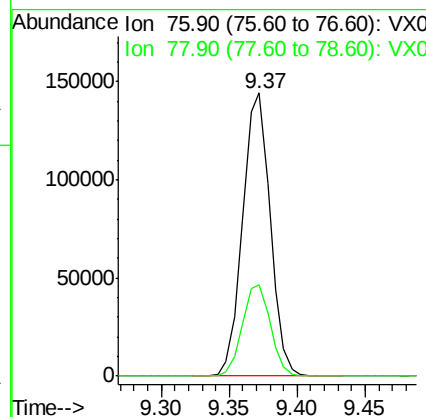
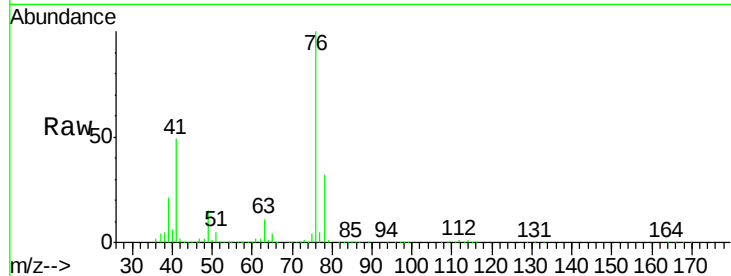
VSTDCCC050EC

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#58

2-Chloroethyl Vinyl ether

Concen: 257.913 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010423.D

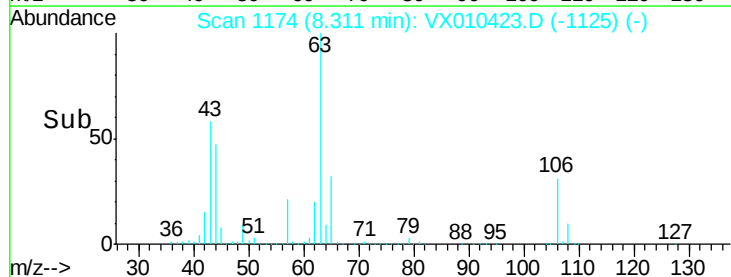
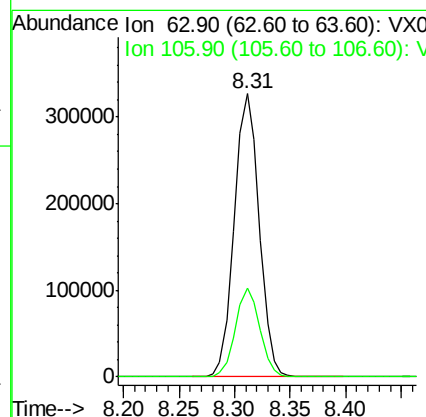
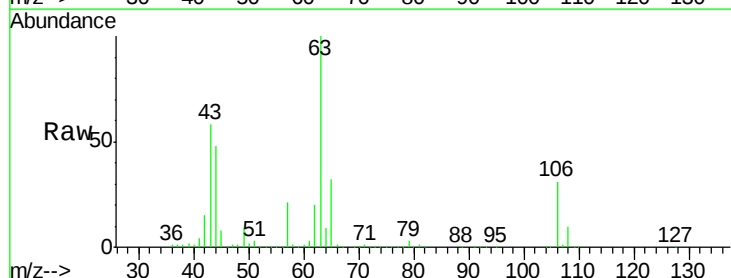
Acq: 24 Jun 2019 19:44

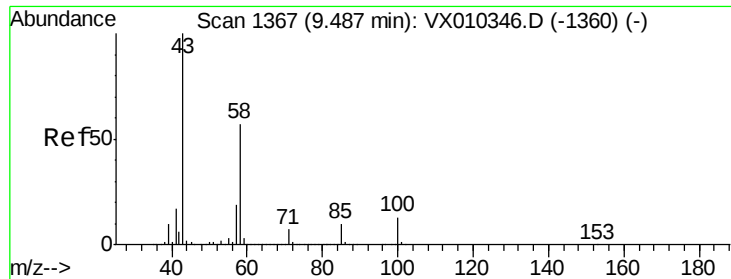
Tgt Ion: 63 Resp: 506732

Ion Ratio Lower Upper

63 100

106 30.7 24.7 37.1





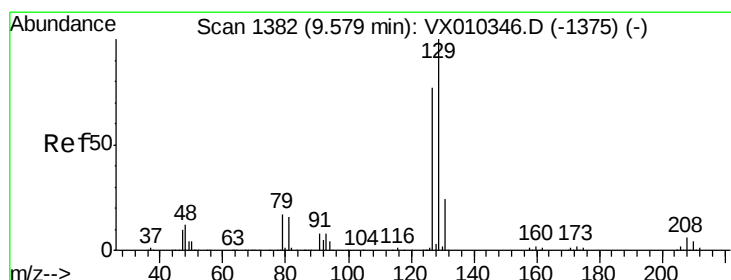
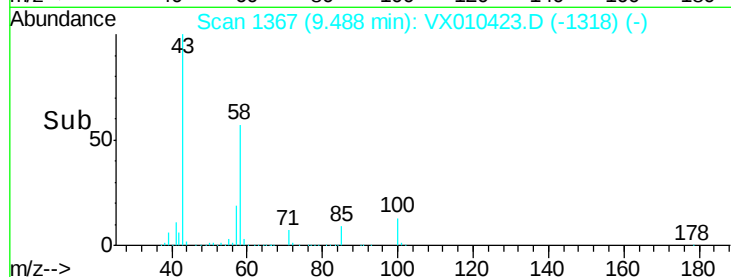
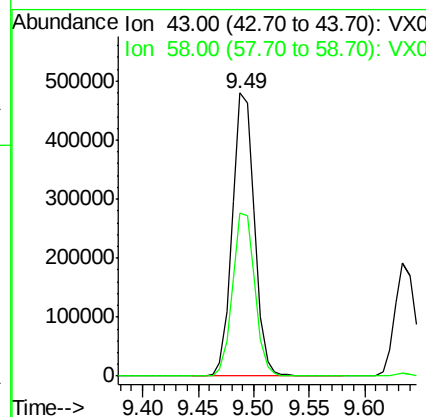
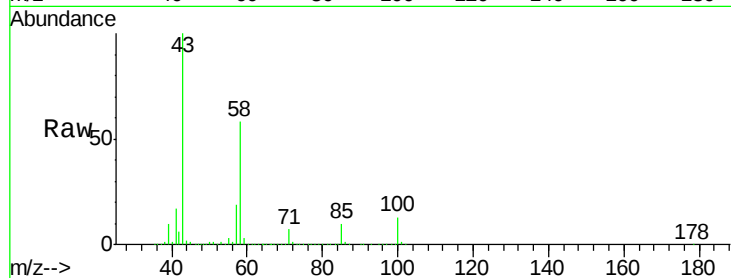
#59
2-Hexanone
Concen: 237.679 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 657207
Ion Ratio Lower Upper
43 100
58 58.1 29.0 87.1

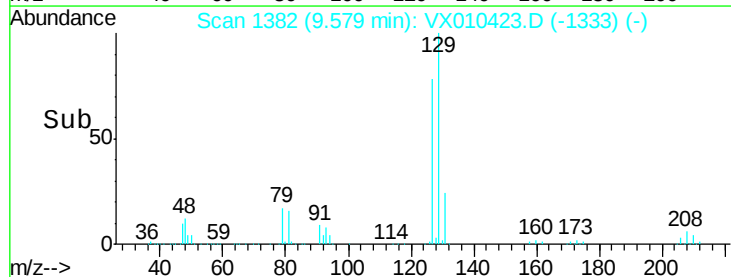
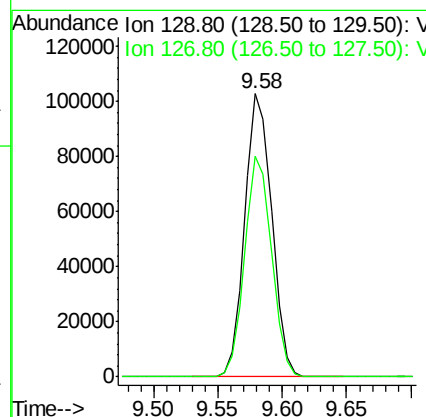
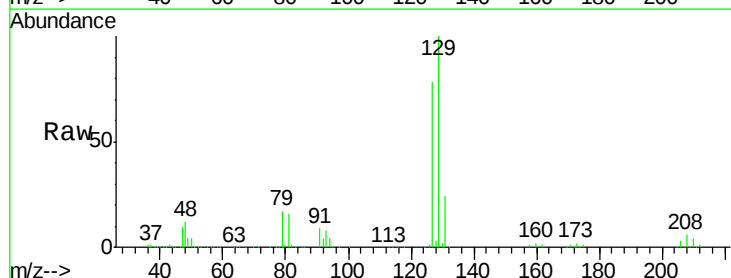
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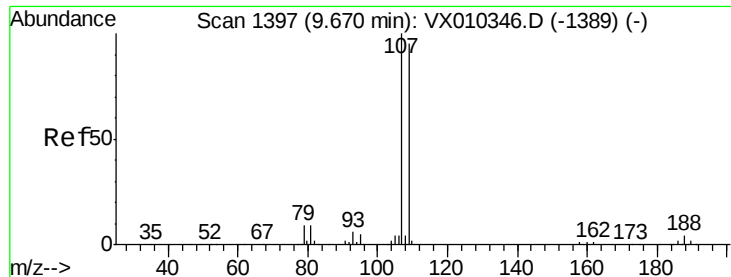
MMDadoda
6/25/2019 9:01:50 AM



#60
Dibromochloromethane
Concen: 48.750 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion: 129 Resp: 149063
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 48.568 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 143163

Ion Ratio Lower Upper

107 100

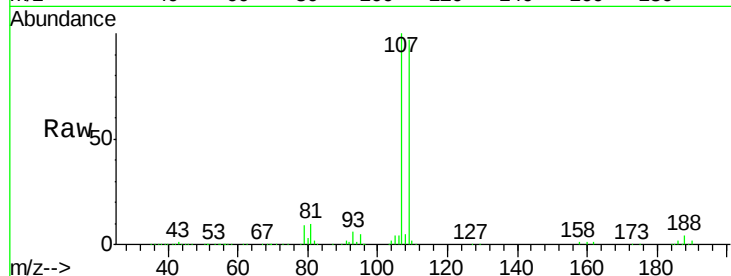
109 95.1 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

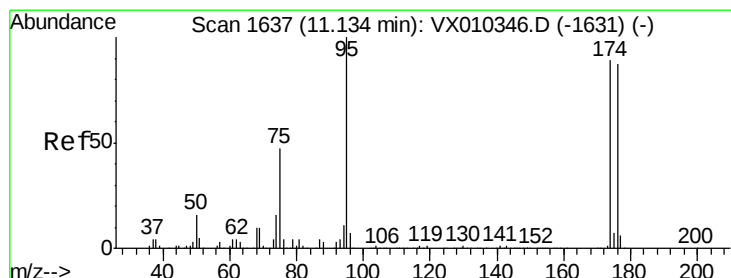
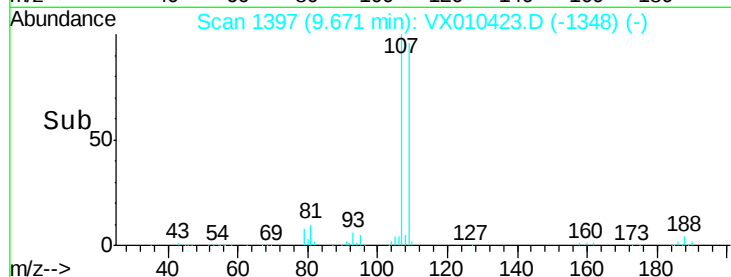
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.470 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

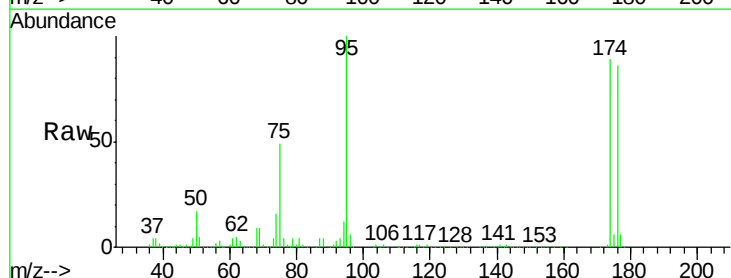
Tgt Ion: 95 Resp: 162928

Ion Ratio Lower Upper

95 100

174 93.2 0.0 187.6

176 91.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

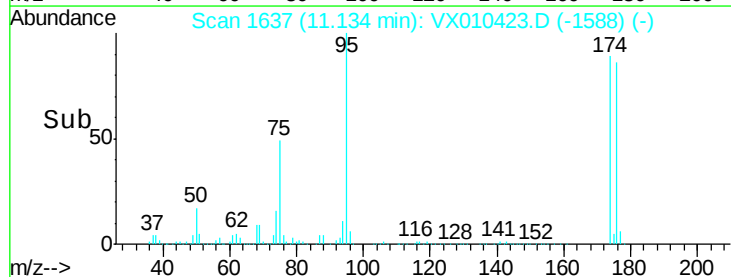
150000

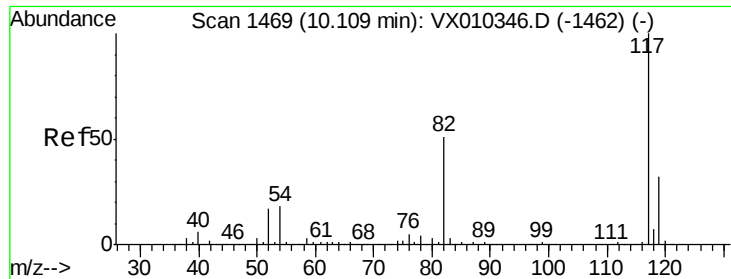
100000

50000

0

Time-->





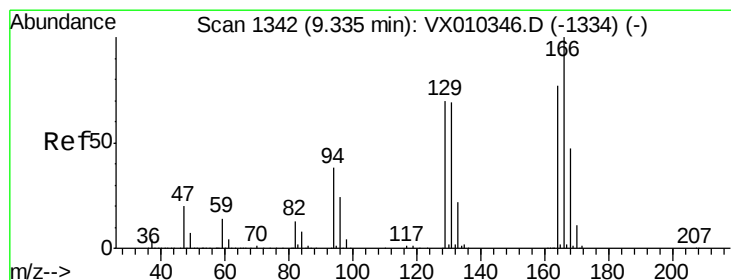
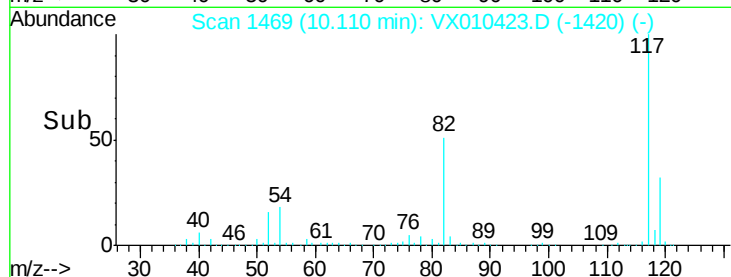
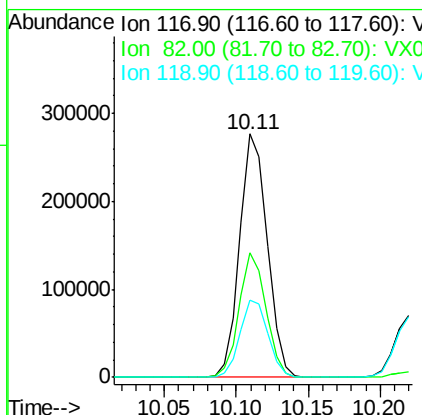
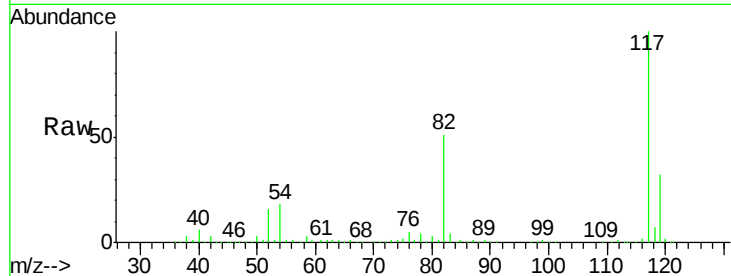
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.2	61.8
119	31.8	25.5	38.3

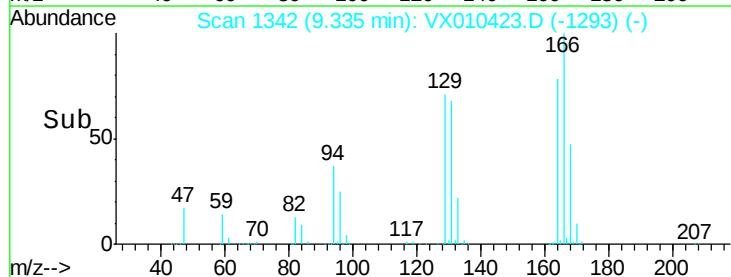
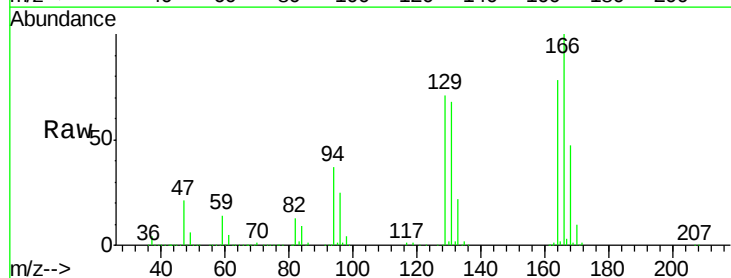
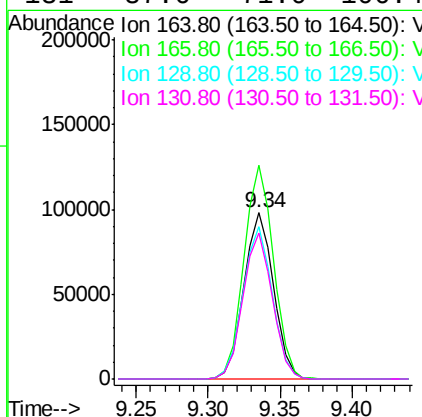
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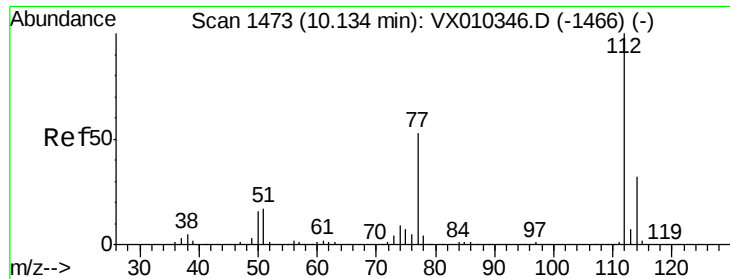
MMDadoda
6/25/2019 9:01:50 AM



#64
Tetrachloroethene
Concen: 46.519 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.6	155.4
129	91.6	73.0	109.4
131	87.6	71.0	106.4





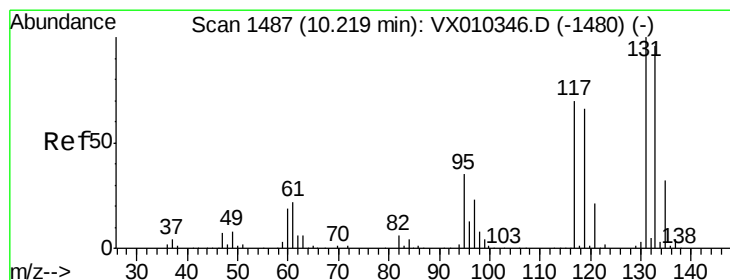
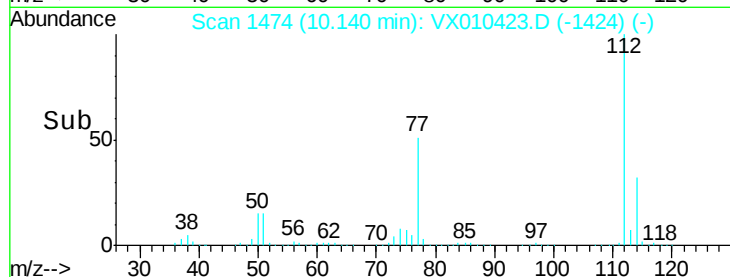
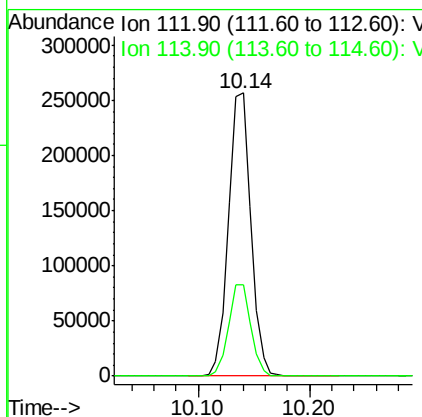
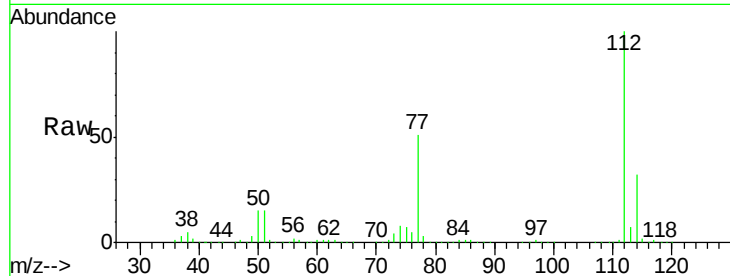
#65
Chlorobenzene
Concen: 47.511 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 356632
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2

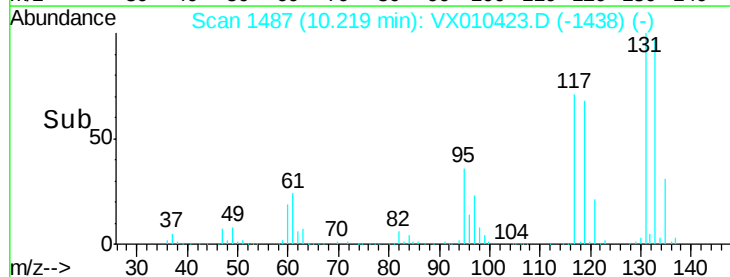
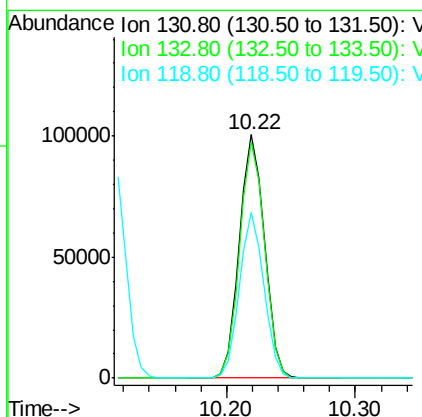
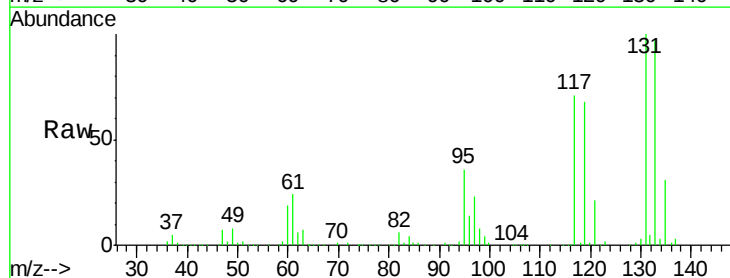
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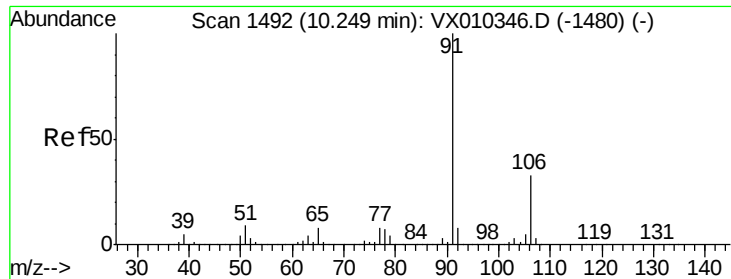
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.690 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion:131 Resp: 135860
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 66.3 32.6 97.7





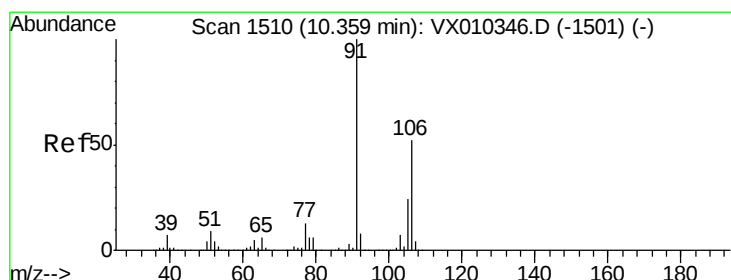
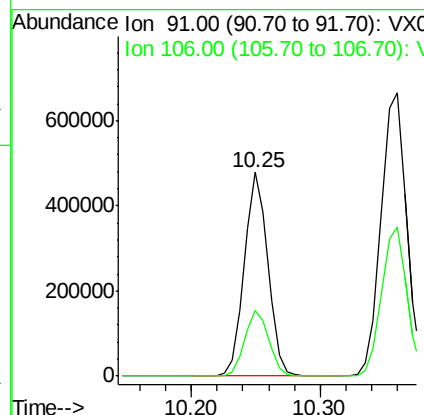
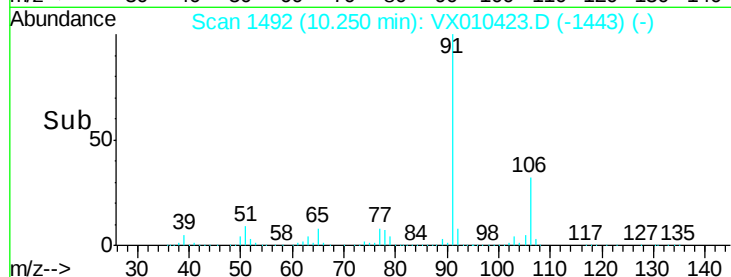
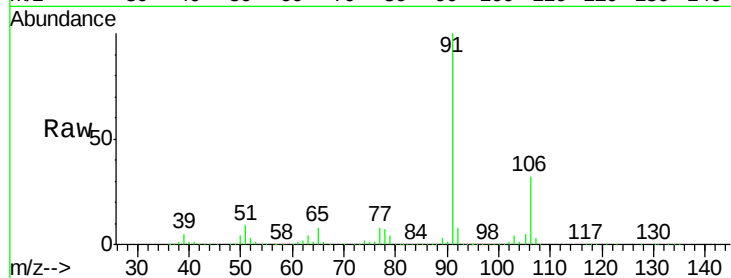
#67
Ethyl Benzene
Concen: 47.761 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 605235
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.2

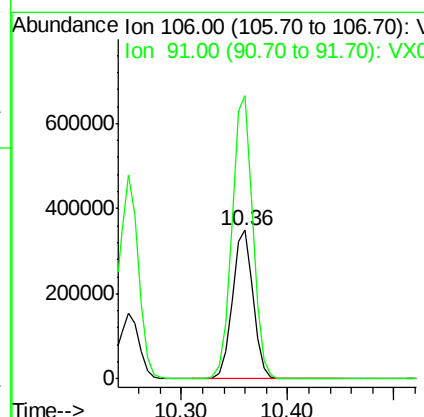
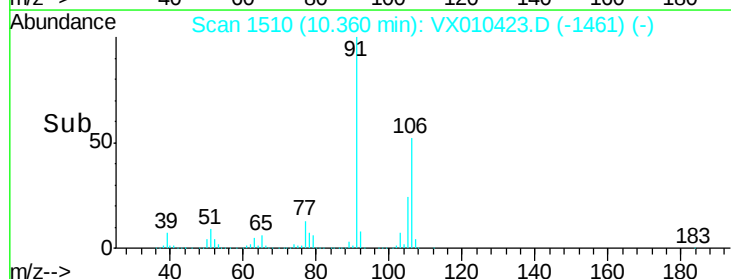
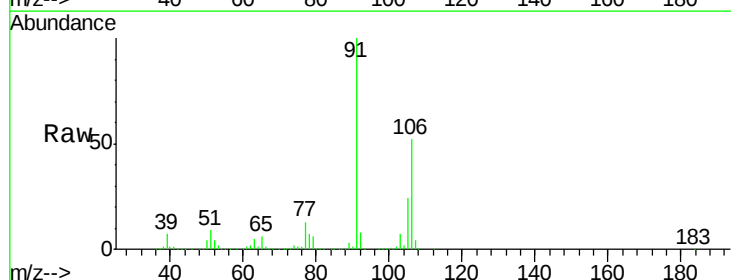
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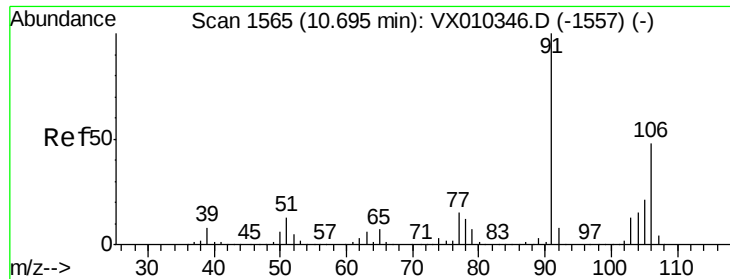
MMDadoda
6/25/2019 9:01:50 AM



#68
m/p-Xylenes
Concen: 96.169 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion: 106 Resp: 472206
Ion Ratio Lower Upper
106 100
91 192.3 155.3 232.9





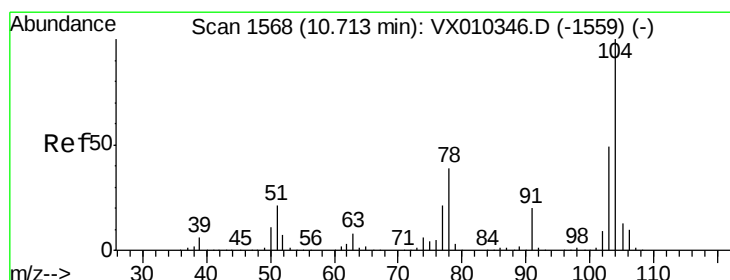
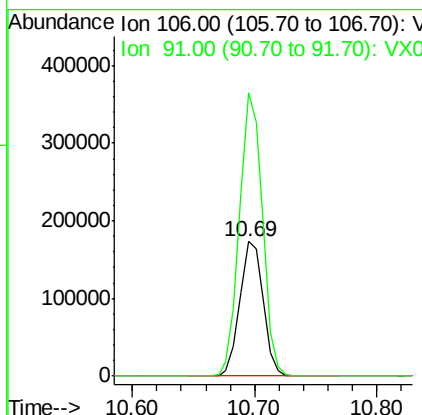
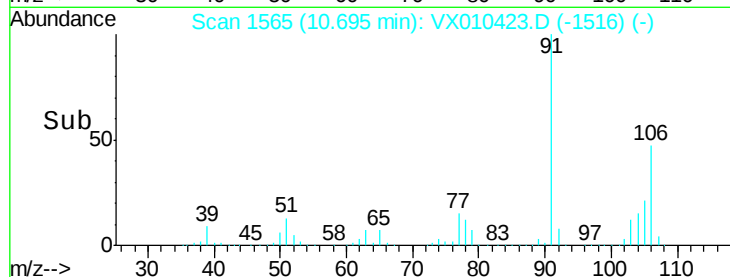
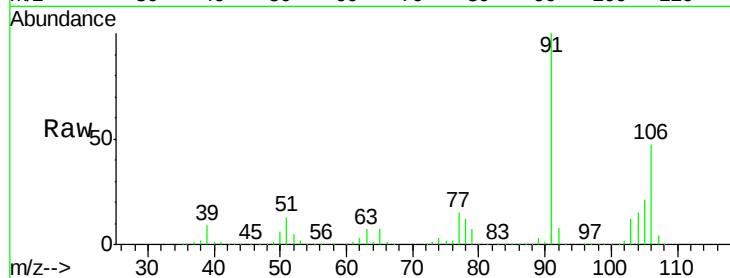
#69
o-Xylene
Concen: 47.278 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 228290
Ion Ratio Lower Upper
106 100
91 206.9 102.7 308.1

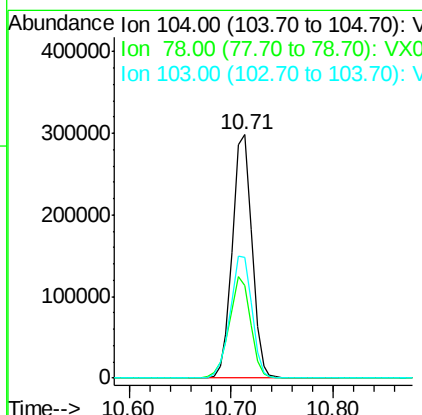
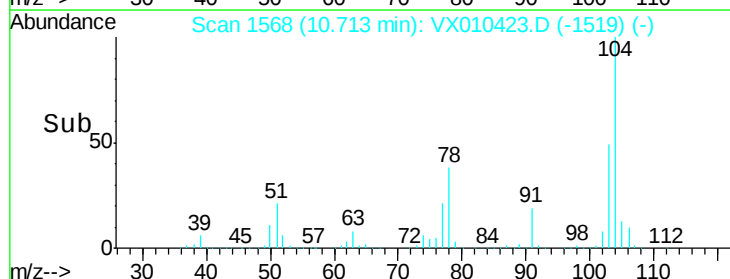
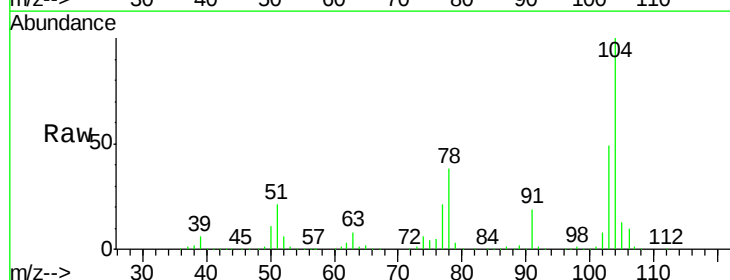
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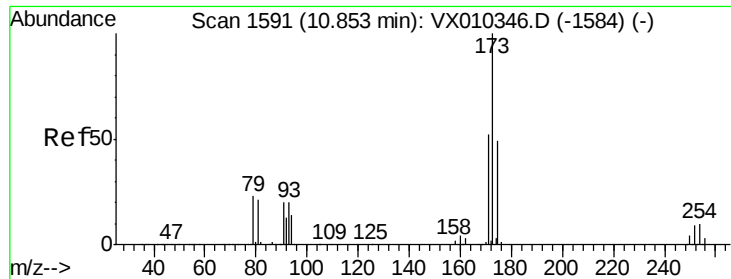
MMDadoda
6/25/2019 9:01:50 AM



#70
Styrene
Concen: 48.877 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion:104 Resp: 395802
Ion Ratio Lower Upper
104 100
78 45.2 36.2 54.2
103 55.1 44.2 66.4





#71

Bromoform

Concen: 48.647 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 115667

Ion Ratio Lower Upper

173 100

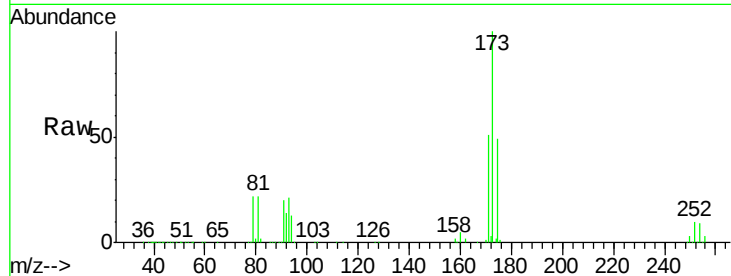
175 49.5 24.1 72.3

254 0.2 0.2 0.2

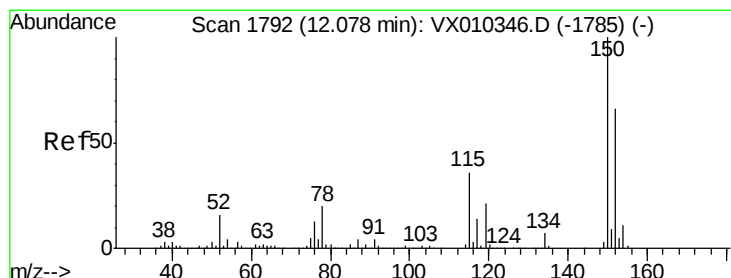
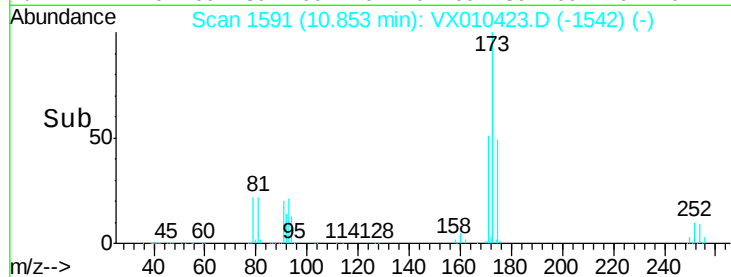
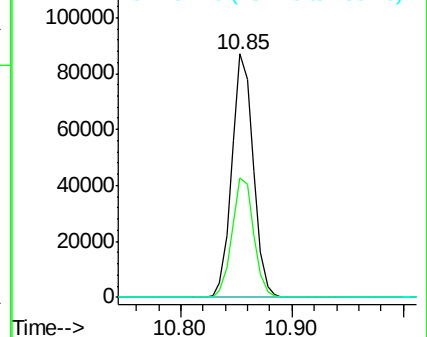
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

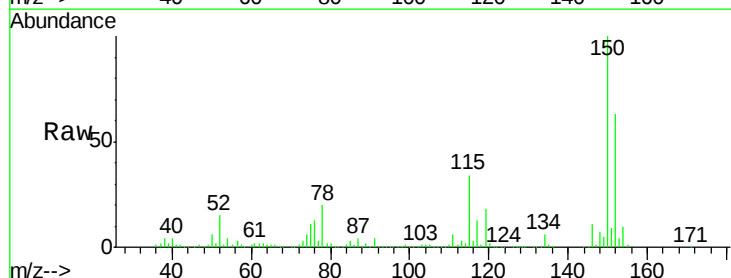
Tgt Ion:152 Resp: 185517

Ion Ratio Lower Upper

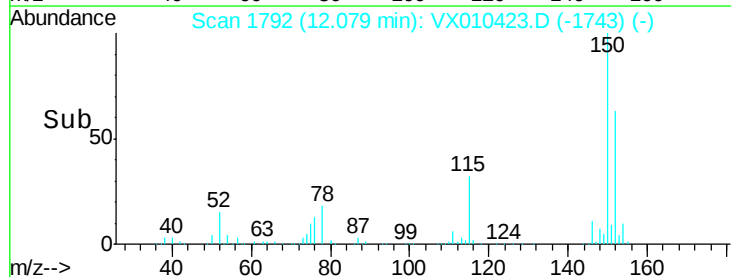
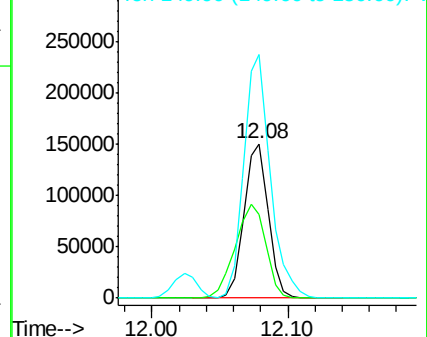
152 100

115 76.7 38.6 115.7

150 173.1 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: 48.558 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 610649

Ion Ratio Lower Upper

105 100

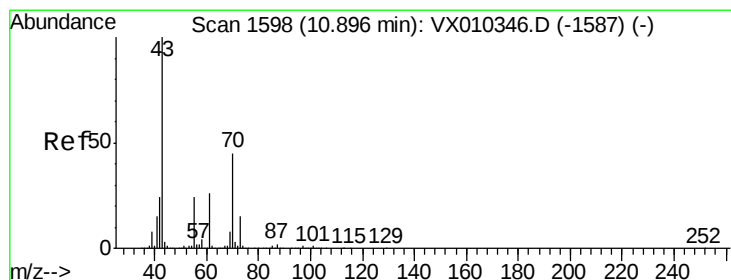
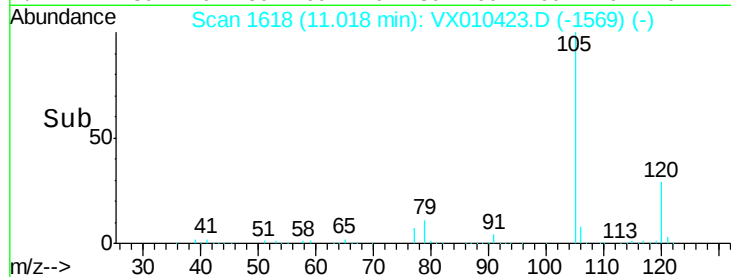
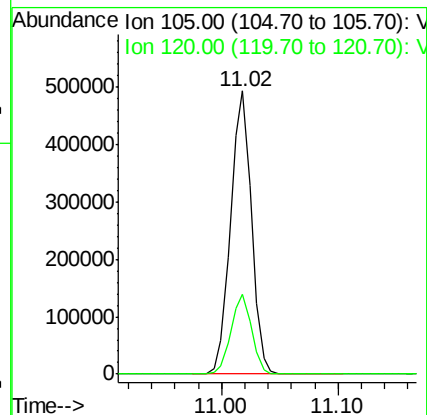
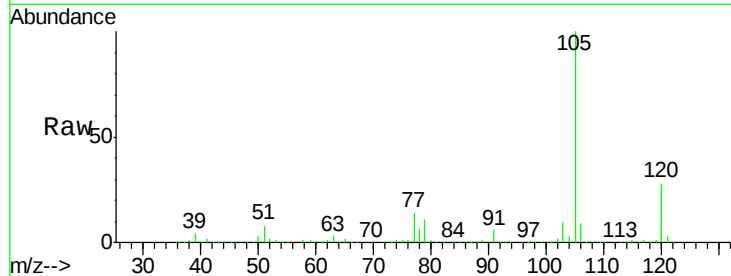
120 28.0 14.1 42.4

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#74

N-ethyl acetate

Concen: 50.006 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Tgt Ion: 43 Resp: 237661

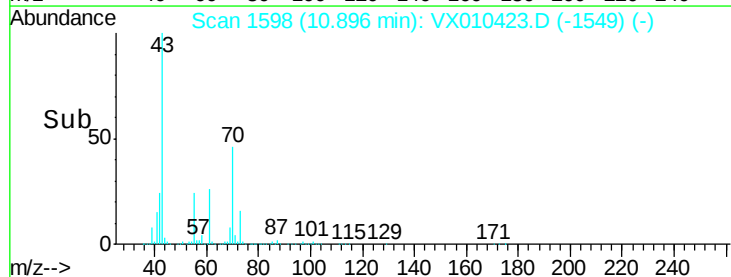
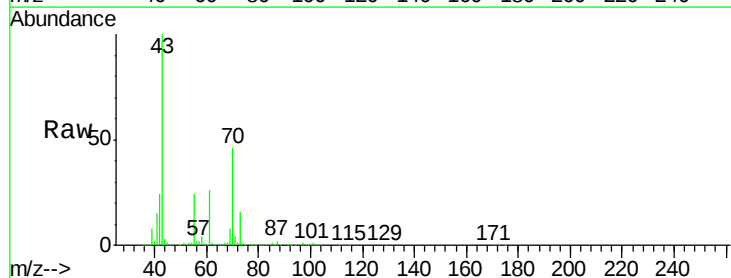
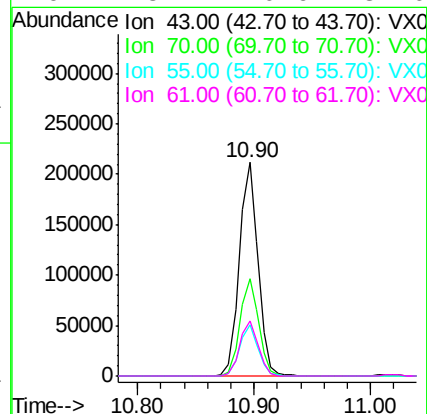
Ion Ratio Lower Upper

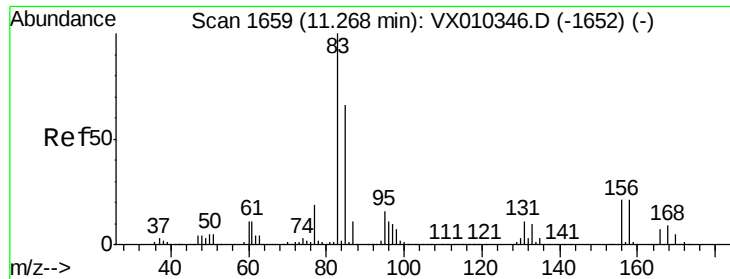
43 100

70 45.7 36.6 54.8

55 24.0 18.7 28.1

61 25.7 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.434 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 201717

Ion Ratio Lower Upper

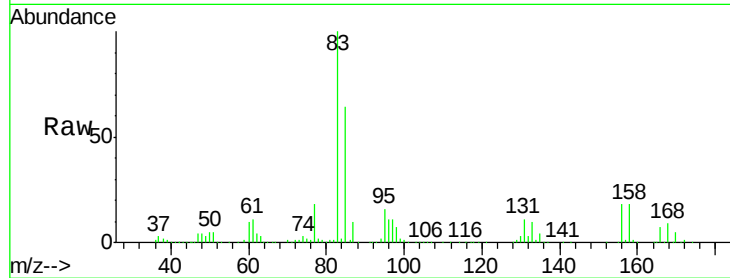
83 100

131 10.9 5.5 16.4

85 65.0 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

200000

150000

100000

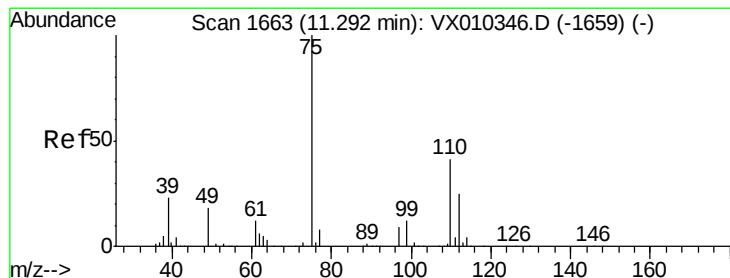
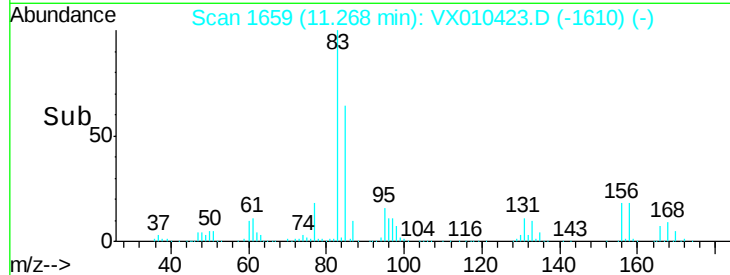
50000

0

11.20

11.30

Time-->



#76

1,2,3-Trichloropropane

Concen: 49.214 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010423.D

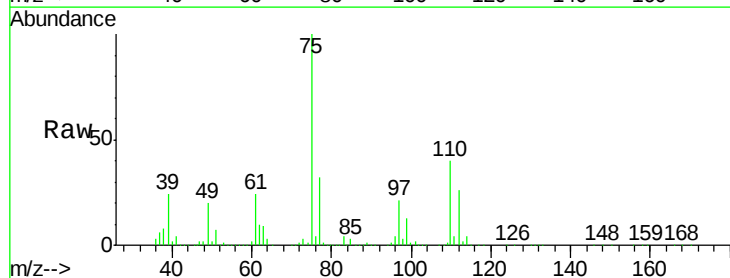
Acq: 24 Jun 2019 19:44

Tgt Ion: 75 Resp: 166373

Ion Ratio Lower Upper

75 100

77 44.3 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

150000

100000

50000

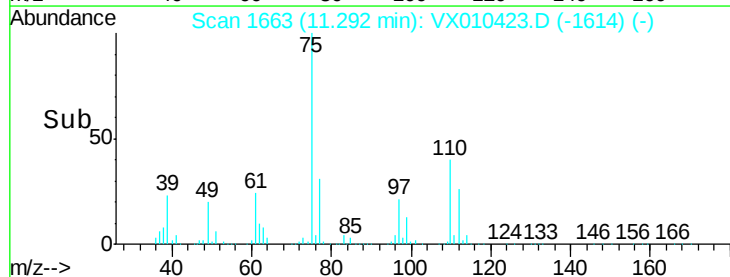
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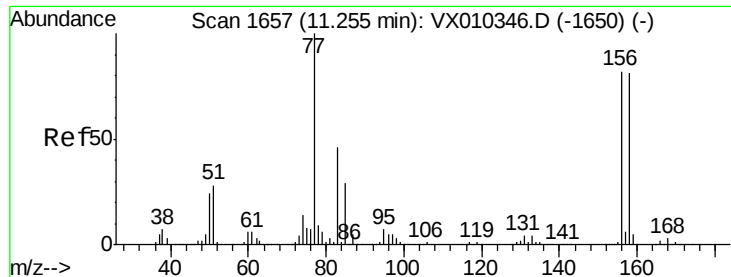
11.26

11.28

11.30

Time-->





#77

Bromobenzene

Concen: 47.509 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 166830

Ion Ratio Lower Upper

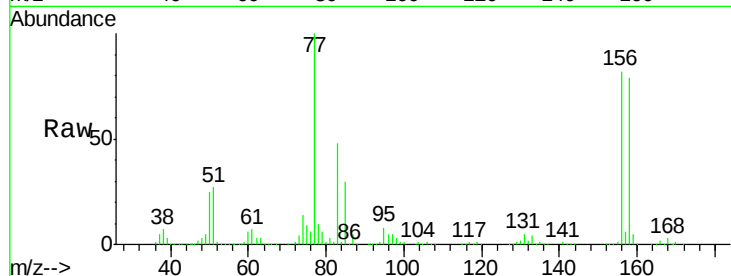
156 100

77 132.7 66.3 198.7

158 96.9 48.9 146.7

Manual Integrations
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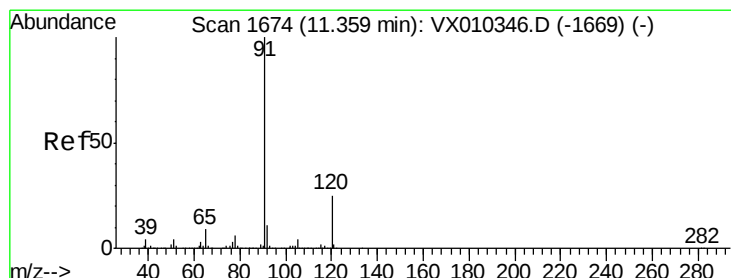
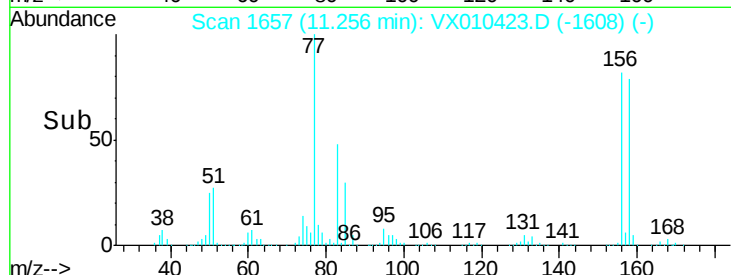
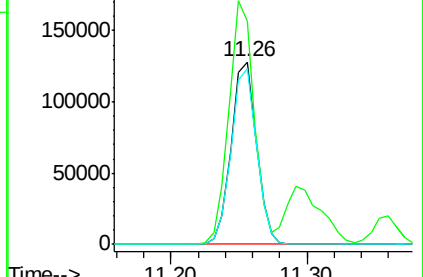
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.467 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010423.D

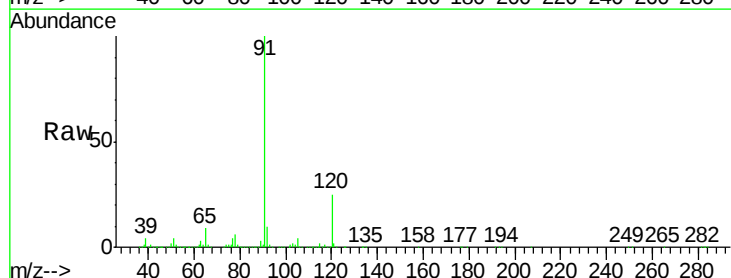
Acq: 24 Jun 2019 19:44

Tgt Ion: 91 Resp: 669883

Ion Ratio Lower Upper

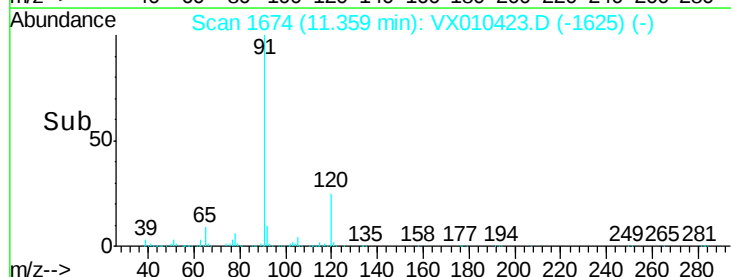
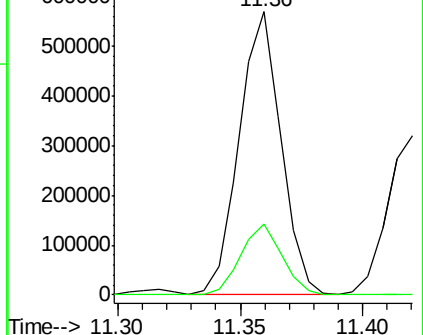
91 100

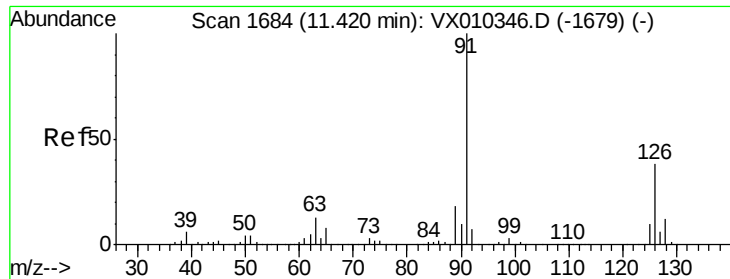
120 24.9 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.754 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 393031

Ion Ratio Lower Upper

91 100

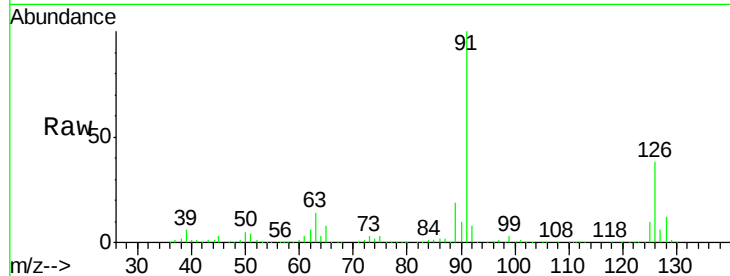
126 37.8 18.7 56.1

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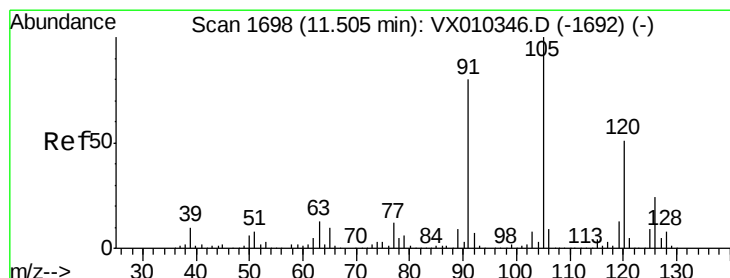
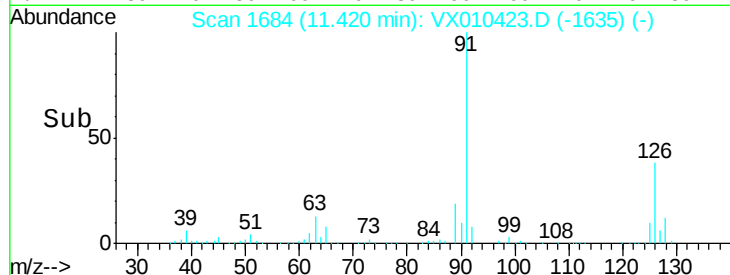
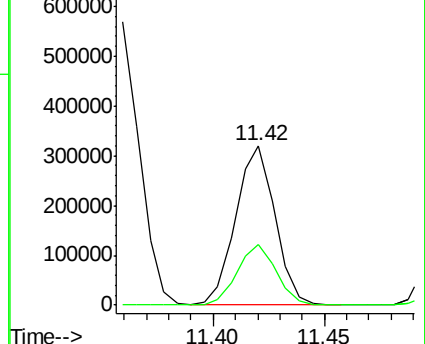
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.704 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010423.D

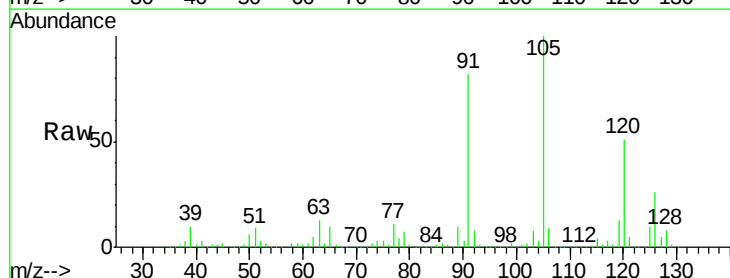
Acq: 24 Jun 2019 19:44

Tgt Ion:105 Resp: 504923

Ion Ratio Lower Upper

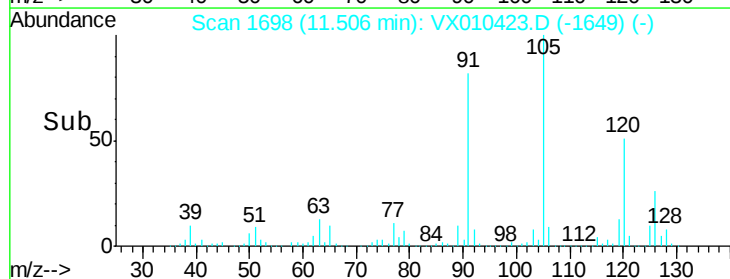
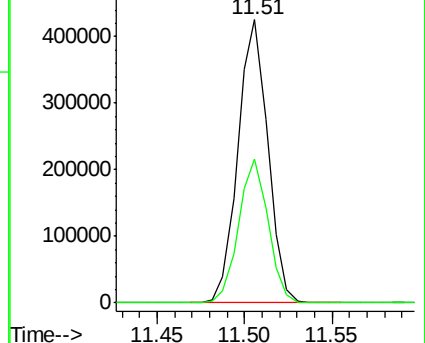
105 100

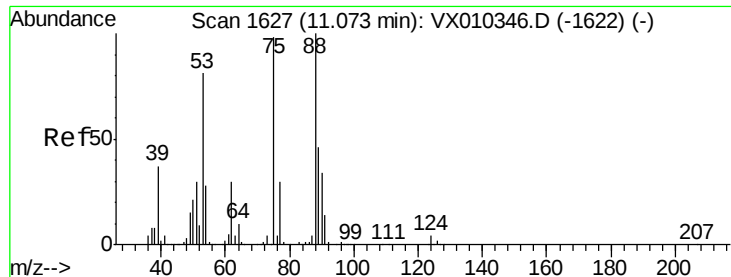
120 50.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





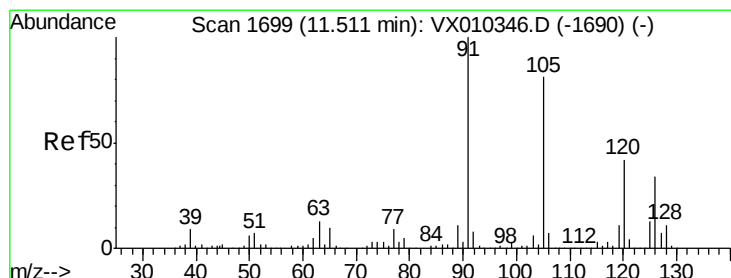
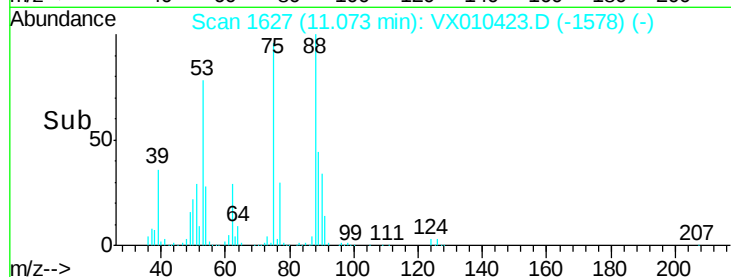
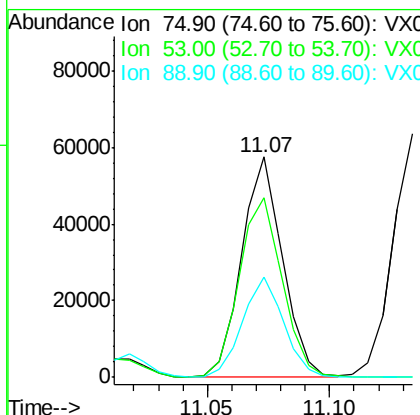
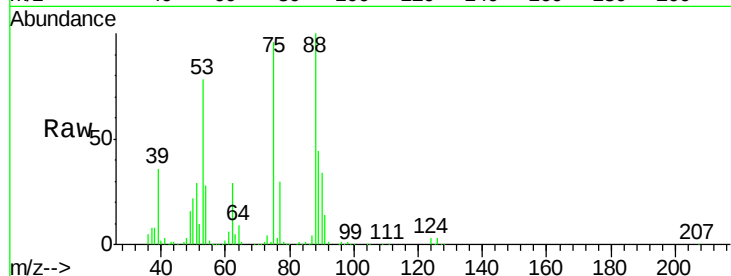
#81
trans-1,4-Dichloro-2-butene
Concen: 46.092 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.0	66.1	99.1
89	45.5	37.8	56.6

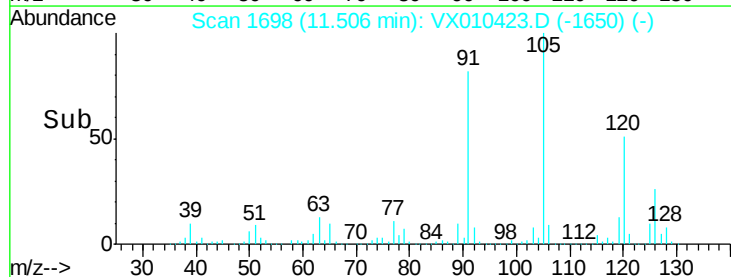
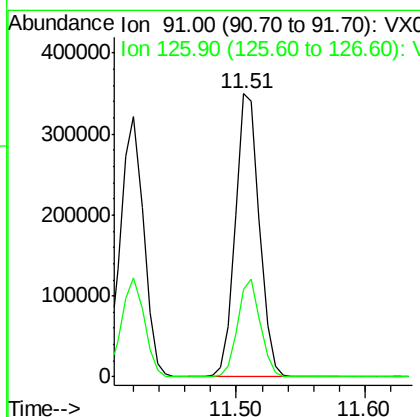
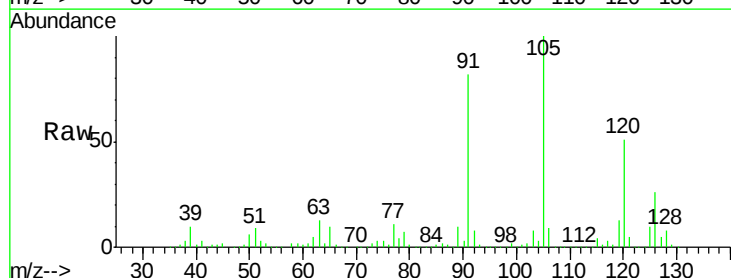
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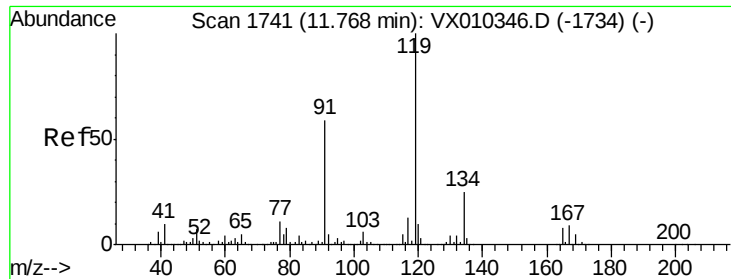
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#82
4-Chlorotoluene
Concen: 48.513 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6





#83

tert-Butylbenzene

Concen: 48.349 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

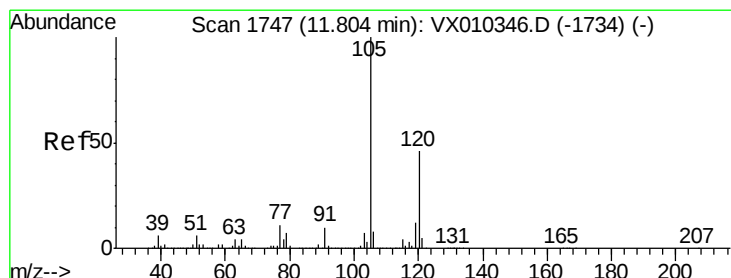
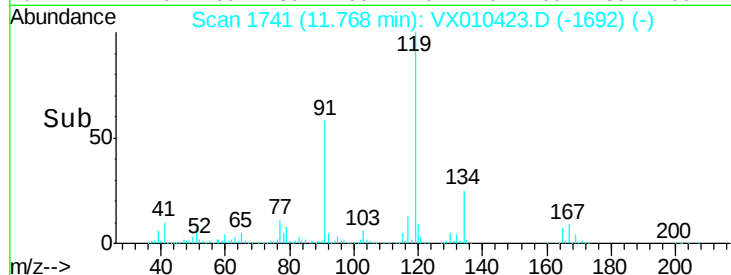
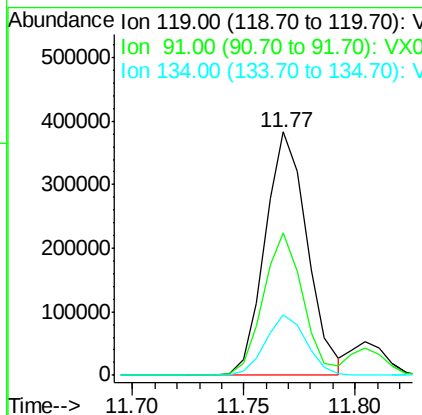
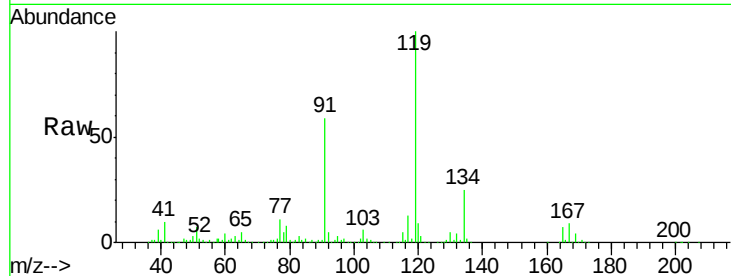
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	503088
Ion Ratio	Lower	Upper	
119	100		
91	55.4	27.6	82.7
134	23.9	11.8	35.4

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#84

1,2,4-Trimethylbenzene

Concen: 49.237 ug/l

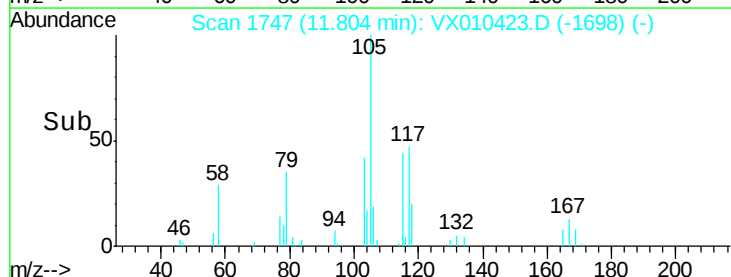
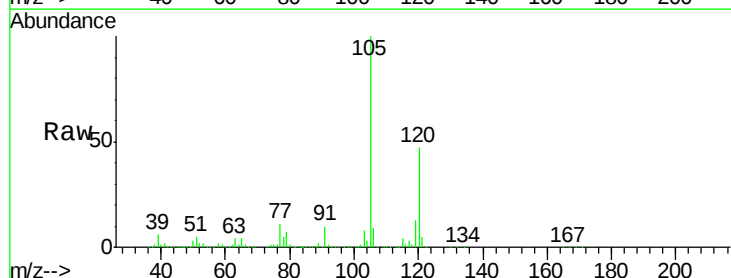
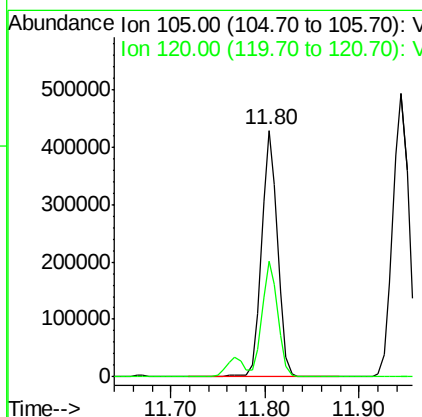
RT: 11.80 min Scan# 1747

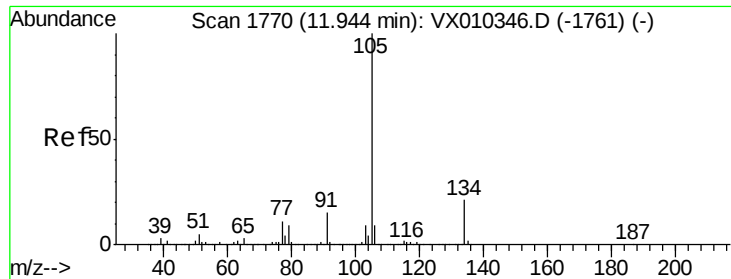
Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Tgt Ion:	105	Resp:	512844
Ion Ratio	Lower	Upper	
105	100		
120	45.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 48.398 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 591299

Ion Ratio Lower Upper

105 100

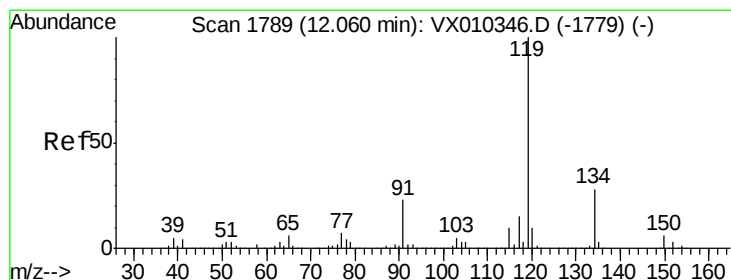
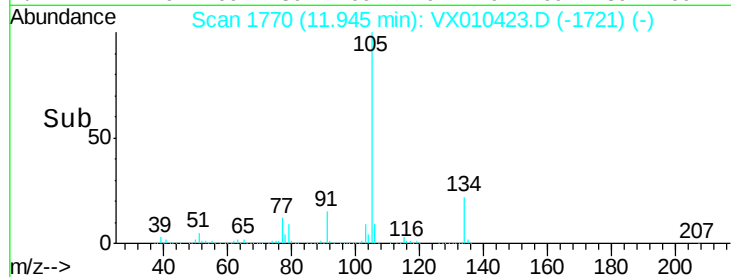
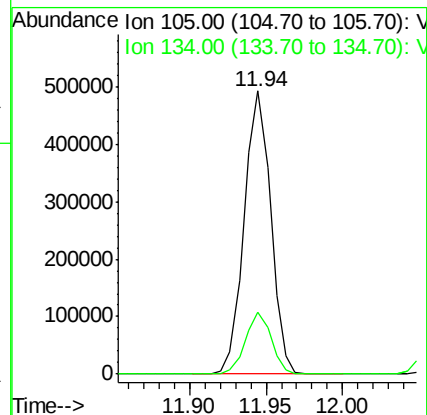
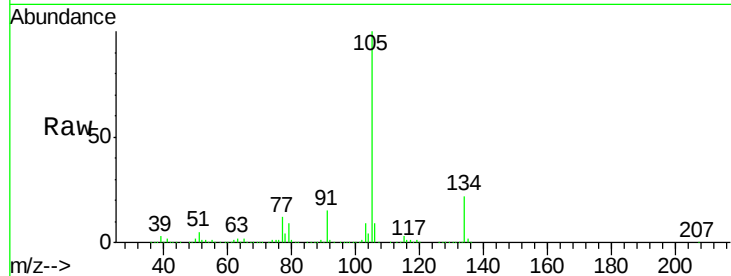
134 21.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 48.331 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

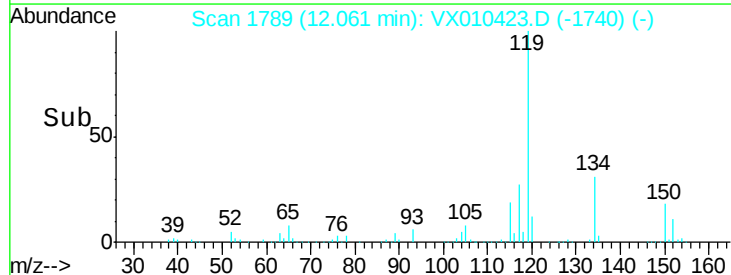
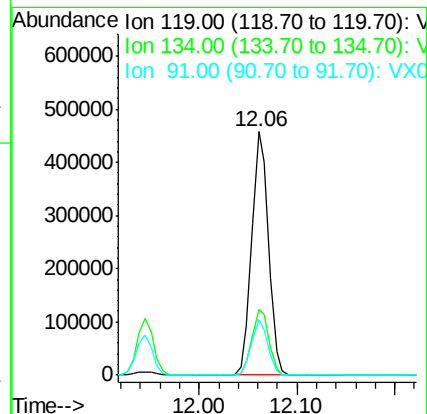
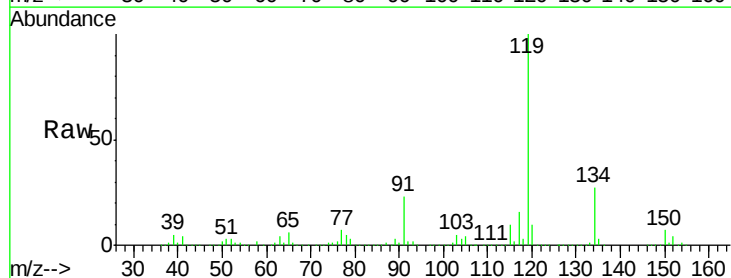
Tgt Ion:119 Resp: 546168

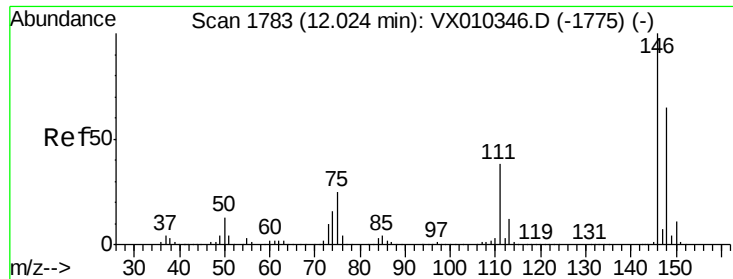
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

91 22.4 11.3 33.8





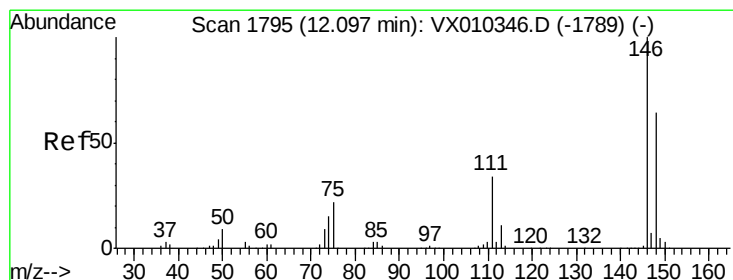
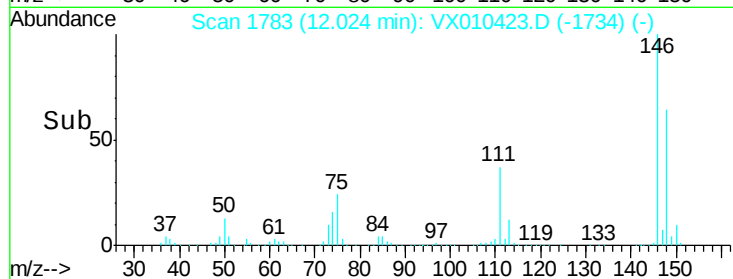
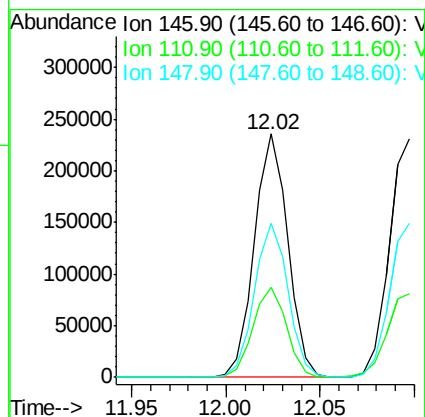
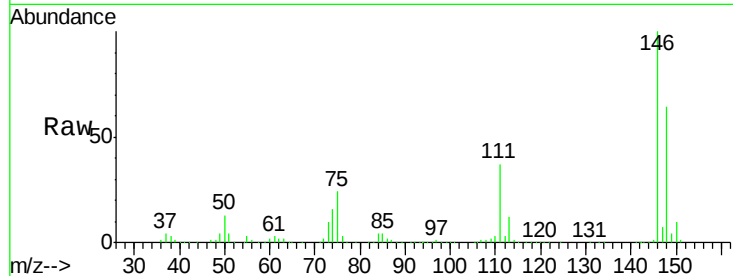
#87
 1,3-Dichlorobenzene
 Concen: 47.415 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.1
148	63.5	32.5	97.4

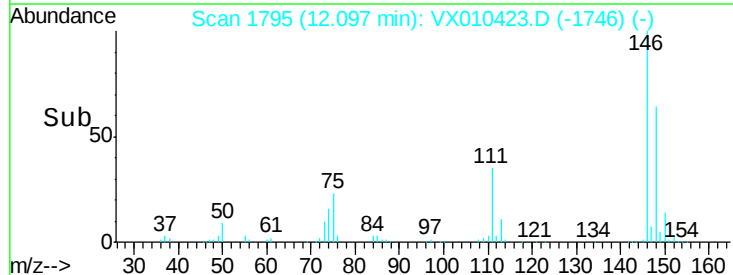
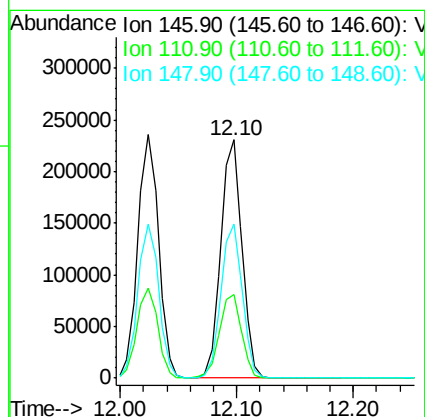
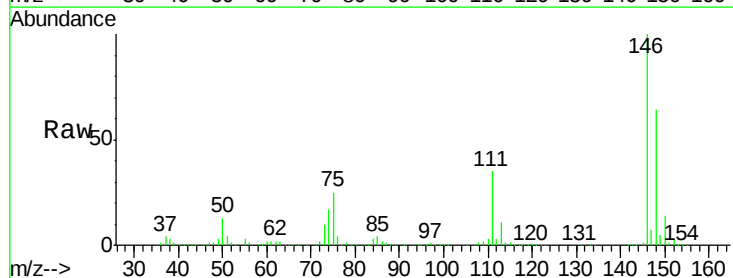
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#88
 1,4-Dichlorobenzene
 Concen: 45.925 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.3
148	64.9	32.1	96.3





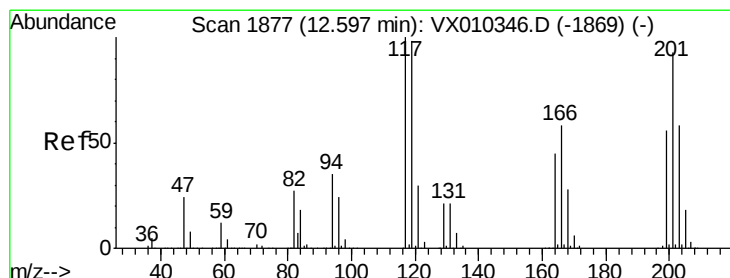
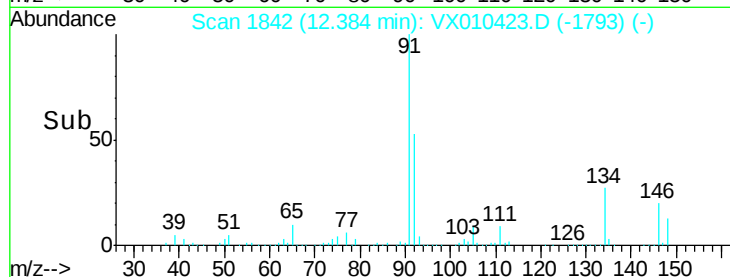
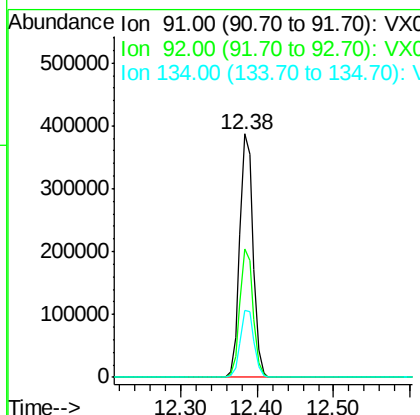
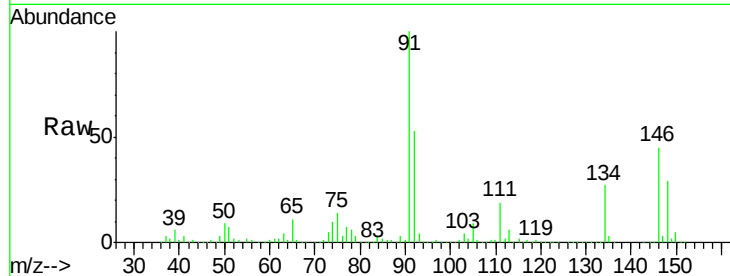
#89
n-Butylbenzene
Concen: 48.379 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	28.2	14.1	42.4

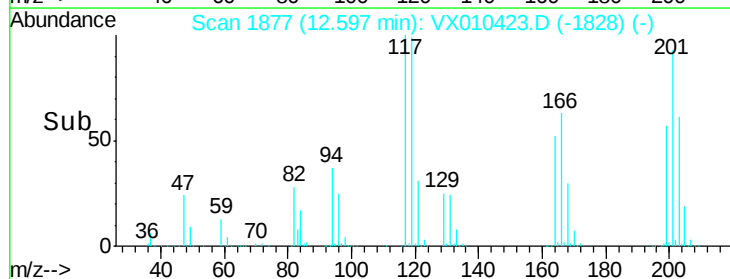
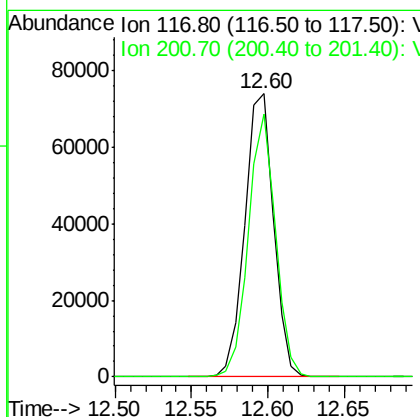
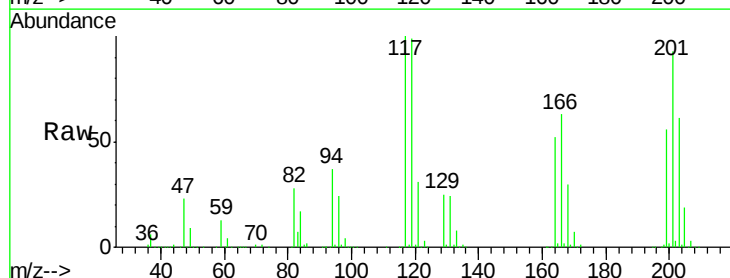
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#90
Hexachloroethane
Concen: 49.505 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010423.D
Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	44.0	131.8





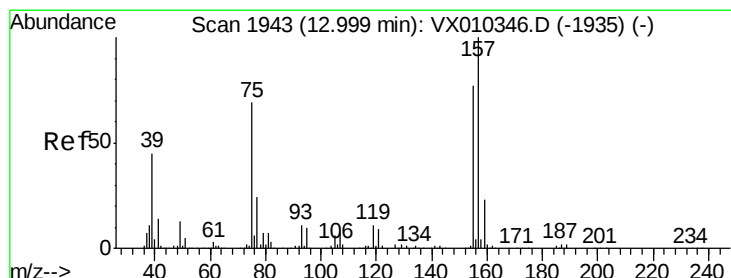
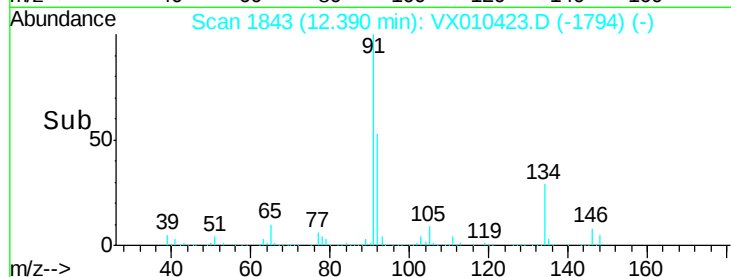
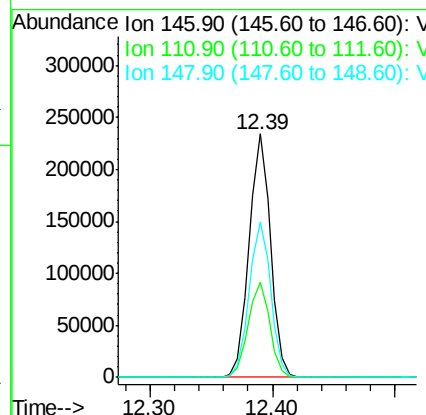
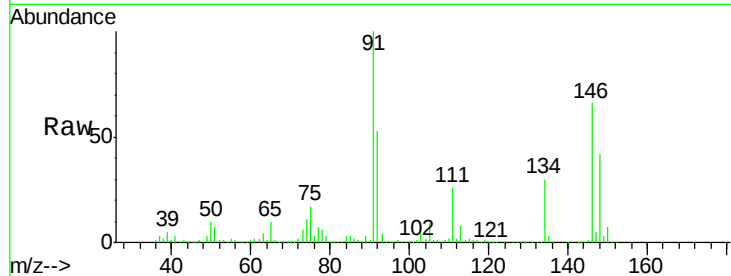
#91
 1,2-Dichlorobenzene
 Concen: 46.699 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	284494		
111	39.3	19.2	57.6	
148	64.4	32.0	96.0	

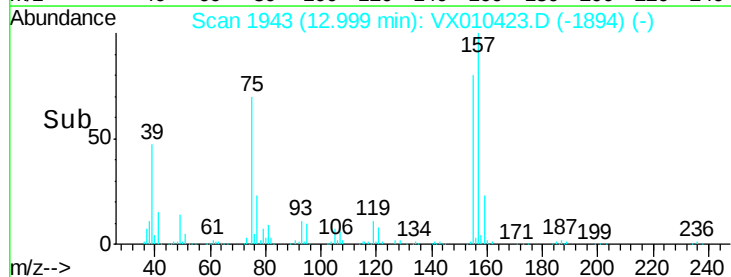
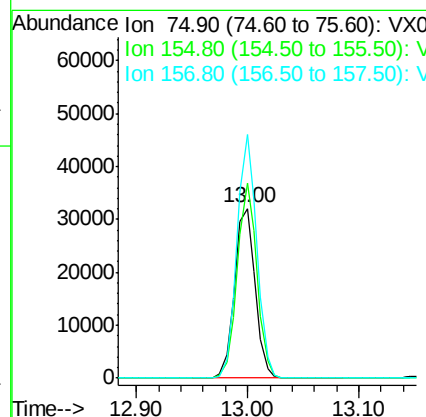
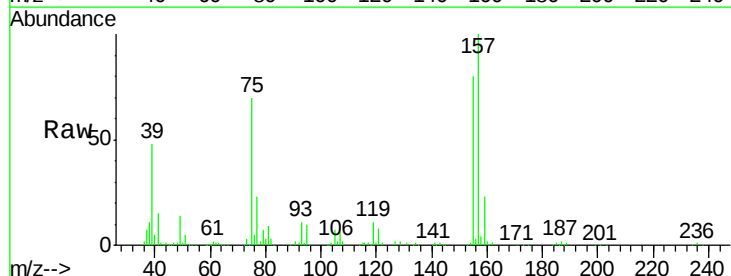
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.938 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	41250		
155	108.8	54.4	163.1	
157	137.0	69.5	208.3	





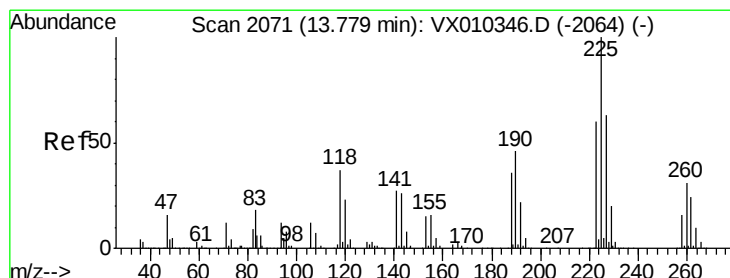
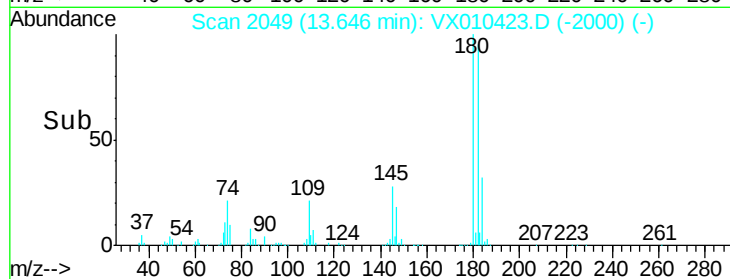
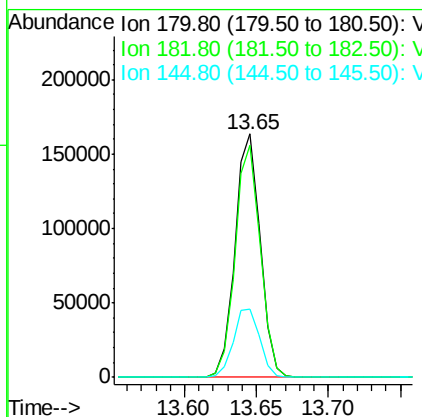
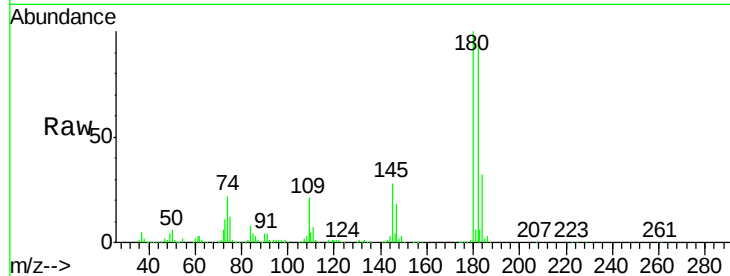
#93
 1,2,4-Trichlorobenzene
 Concen: 47.272 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	199713		
182	95.5	48.0	144.0	
145	29.4	14.4	43.4	

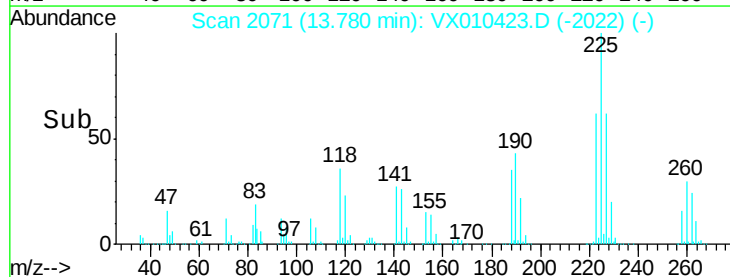
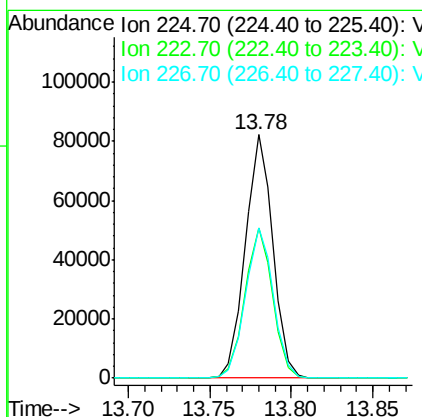
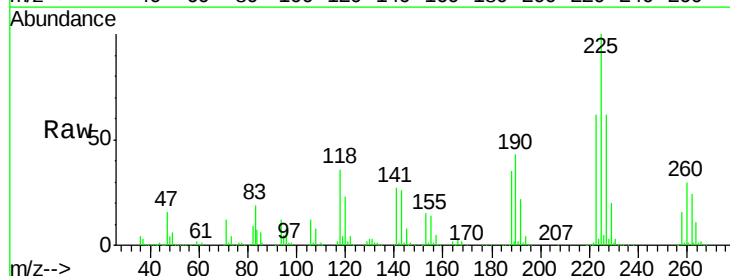
Manual Integrations
 APPROVED

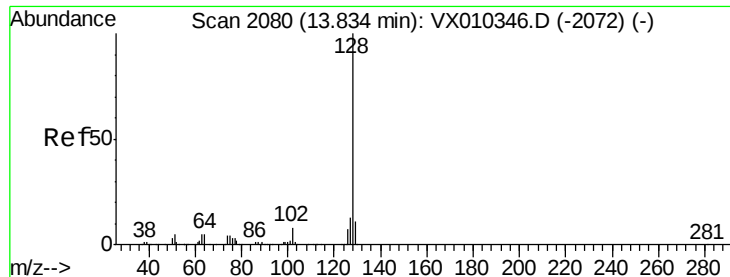
MMDadoda
 6/25/2019 9:01:50 AM



#94
 Hexachlorobutadiene
 Concen: 46.857 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010423.D
 Acq: 24 Jun 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96749		
223	61.9	30.9	92.7	
227	62.5	31.9	95.5	





#95

Naphthalene

Concen: 49.129 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Instrument :

MSVOA_X

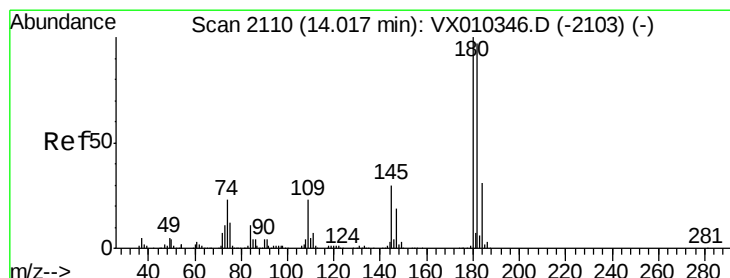
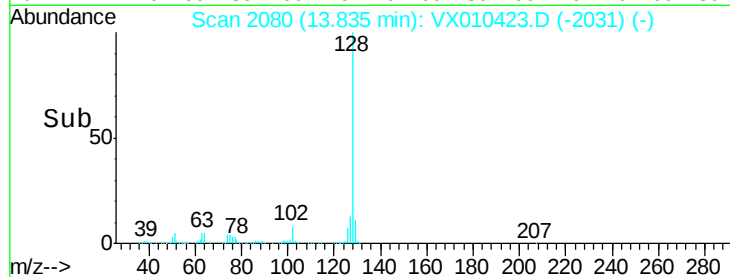
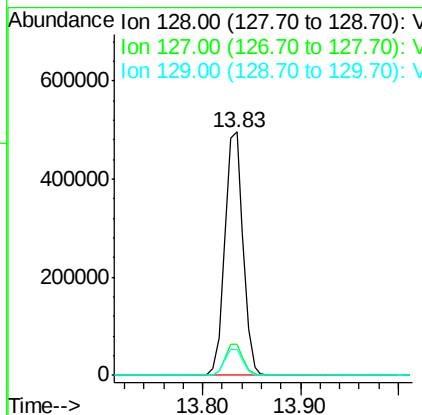
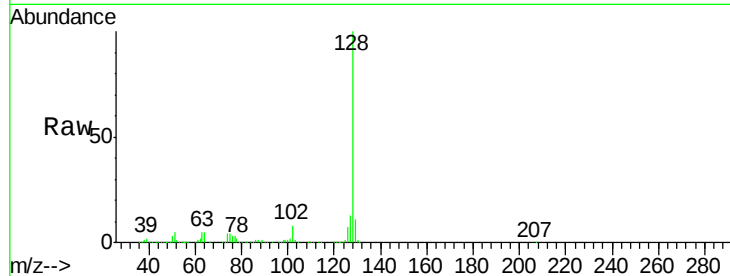
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	637826
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/25/2019 9:01:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.415 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010423.D

Acq: 24 Jun 2019 19:44

Tgt Ion:	180	Resp:	203366
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.8	143.3
145	30.4	15.2	45.6

