

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010523.D
 Acq On : 28 Jun 2019 06:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 08:29:37 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	237712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	111103	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	5.50	113	110668	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	8.71	98	411292	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.13	95	150123	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	73952	44.748	ug/l	99
3) Chloromethane	1.32	50	87261	45.344	ug/l	99
4) Vinyl Chloride	1.41	62	94295	44.736	ug/l	100
5) Bromomethane	1.64	94	48432	47.164	ug/l	98
6) Chloroethane	1.71	64	60879	48.955	ug/l	100
7) Trichlorofluoromethane	1.92	101	166354	49.786	ug/l	98
8) Diethyl Ether	2.19	74	61288	51.147	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	95111	46.971	ug/l	99
10) Methyl Iodide	2.51	142	143355	49.607	ug/l	98
11) Tert butyl alcohol	3.06	59	141715	242.995	ug/l	99
12) 1,1-Dichloroethene	2.37	96	96982	47.069	ug/l	99
13) Acrolein	2.29	56	64866	167.664	ug/l	100
14) Allyl chloride	2.73	41	134845	46.097	ug/l	98
15) Acrylonitrile	3.14	53	300320	260.091	ug/l	100
16) Acetone	2.45	43	241038	215.791	ug/l	99
17) Carbon Disulfide	2.57	76	221122	40.001	ug/l	99
18) Methyl Acetate	2.78	43	119456	53.658	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	326136	50.315	ug/l	99
20) Methylene Chloride	2.85	84	112785	49.064	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	105148	47.449	ug/l	97
22) Diisopropyl ether	3.85	45	306772	50.159	ug/l	97
23) Vinyl Acetate	3.82	43	1302844	246.585	ug/l	100
24) 1,1-Dichloroethane	3.70	63	173717	49.138	ug/l	99
25) 2-Butanone	4.67	43	404427	246.828	ug/l	99
26) 2,2-Dichloropropane	4.58	77	85105	27.712	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	125976	49.194	ug/l	96
28) Bromochloromethane	5.02	49	79857	47.245	ug/l	99
29) Tetrahydrofuran	5.13	42	261107	257.274	ug/l	99
30) Chloroform	5.21	83	190043	49.962	ug/l	100
31) Cyclohexane	5.58	56	148854	46.237	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	165239	49.198	ug/l	100
36) 1,1-Dichloropropene	5.80	75	131581	45.770	ug/l	99
37) Ethyl Acetate	4.84	43	151753	51.312	ug/l	99
38) Carbon Tetrachloride	5.78	117	147198	47.284	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	166790	44.138	ug/l	98
40) Benzene	6.14	78	431603	48.189	ug/l	100
41) Methacrylonitrile	5.04	41	82614	50.911	ug/l	99
42) 1,2-Dichloroethane	6.19	62	139542	51.183	ug/l	99
43) Isopropyl Acetate	6.45	43	249395	50.969	ug/l	98
44) Trichloroethene	7.21	130	129626	48.368	ug/l	96
45) 1,2-Dichloropropane	7.51	63	107788	47.657	ug/l	100
46) Dibromomethane	7.66	93	78799	48.559	ug/l	99
47) Bromodichloromethane	7.90	83	146015	49.099	ug/l	100
48) Methyl methacrylate	7.77	41	116807	51.357	ug/l	99
49) 1,4-Dioxane	7.74	88	66753	1018.831	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	814538	260.282	ug/l	99
52) Toluene	8.79	92	282871	47.960	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147795	44.328	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	164779	45.478	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	122527	50.371	ug/l	97
56) Ethyl methacrylate	9.18	69	185603	50.368	ug/l	99
57) 1,3-Dichloropropane	9.37	76	189455	50.174	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	456764	260.998	ug/l	100
59) 2-Hexanone	9.49	43	622909	252.908	ug/l	99
60) Dibromochloromethane	9.58	129	133092	48.866	ug/l	100
61) 1,2-Dibromoethane	9.67	107	132114	50.318	ug/l	100
64) Tetrachloroethene	9.34	164	140074	52.288	ug/l	97
65) Chlorobenzene	10.13	112	326496	48.556	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	121744	49.706	ug/l	99
67) Ethyl Benzene	10.25	91	547190	48.203	ug/l	99
68) m/p-Xylenes	10.36	106	428677	97.459	ug/l	99
69) o-Xylene	10.69	106	211275	48.843	ug/l	100
70) Styrene	10.71	104	360280	49.665	ug/l	100
71) Bromoform	10.85	173	104971	49.283	ug/l #	100
73) Isopropylbenzene	11.02	105	557129	47.948	ug/l	99
74) N-amyl acetate	10.90	43	224458	51.114	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	187894	48.828	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	154773m	49.550	ug/l	
77) Bromobenzene	11.26	156	157500	48.544	ug/l	98
78) n-propylbenzene	11.36	91	615458	48.194	ug/l	99
79) 2-Chlorotoluene	11.42	91	364090	47.879	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	460855	48.111	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	50149	37.455	ug/l	93
82) 4-Chlorotoluene	11.51	91	415307	47.995	ug/l	99
83) tert-Butylbenzene	11.77	119	452819	47.099	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	466998	48.525	ug/l	100
85) sec-Butylbenzene	11.94	105	542552	48.063	ug/l	100
86) p-Isopropyltoluene	12.06	119	499093	47.799	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	270607	47.781	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	270358	46.890	ug/l	100
89) n-Butylbenzene	12.38	91	410727	46.292	ug/l	99
90) Hexachloroethane	12.59	117	84493	46.799	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	269038	47.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39140	47.176	ug/l	99

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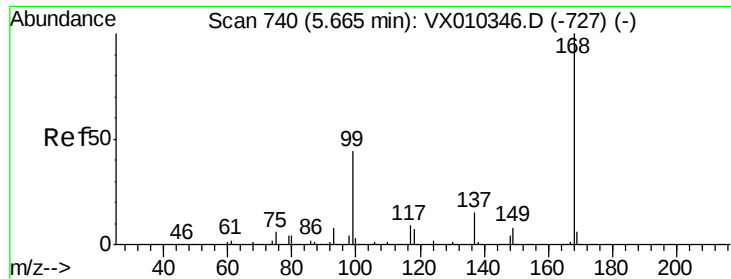
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	189586	48.568	ug/l	99
94) Hexachlorobutadiene	13.78	225	90648	47.515	ug/l	98
95) Naphthalene	13.83	128	604085	50.359	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	191435	49.325	ug/l	99

(#) = 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: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 237712

Ion Ratio Lower Upper

168 100

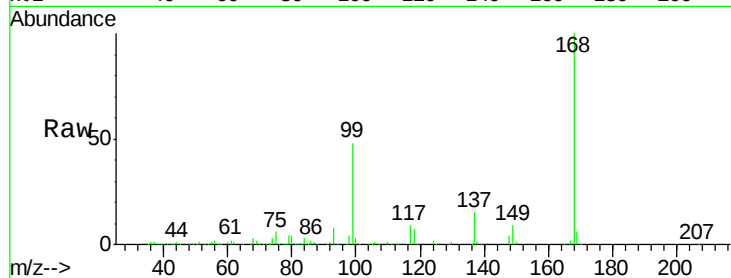
99 47.7 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

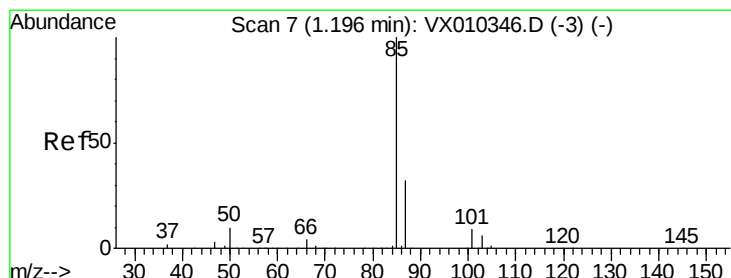
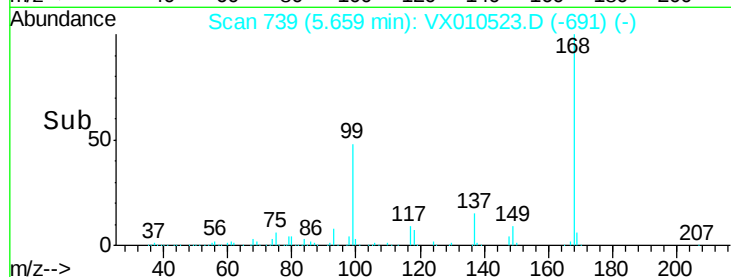
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.748 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010523.D

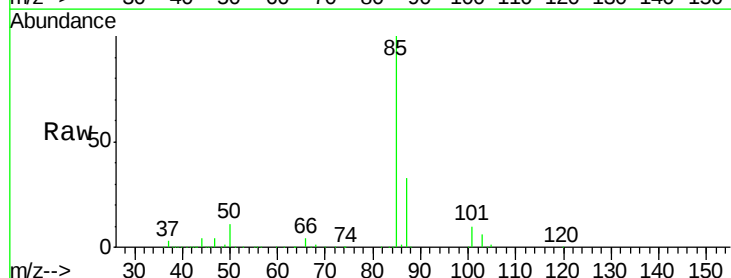
Acq: 28 Jun 2019 06:31

Tgt Ion: 85 Resp: 73952

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

40000

20000

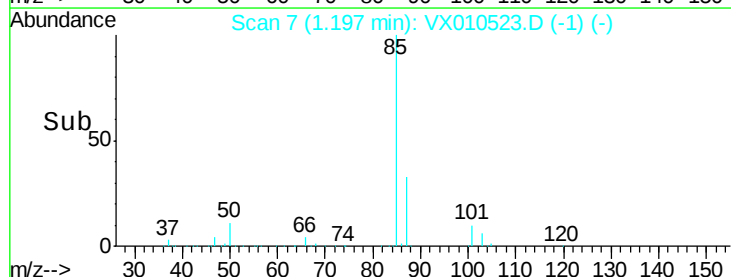
0

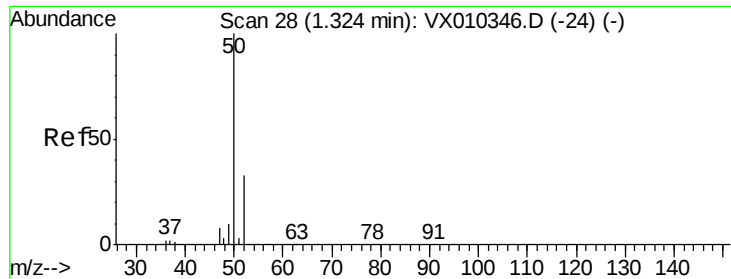
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 45.344 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 87261

Ion Ratio Lower Upper

50 100

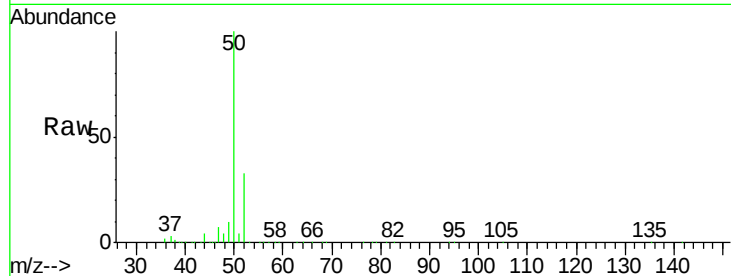
52 33.4 26.5 39.7

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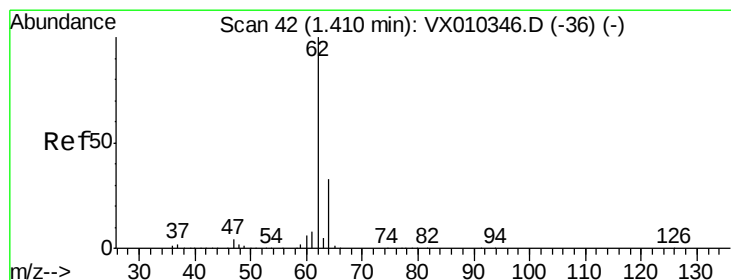
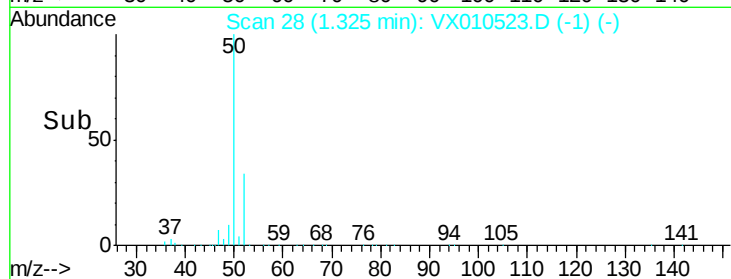
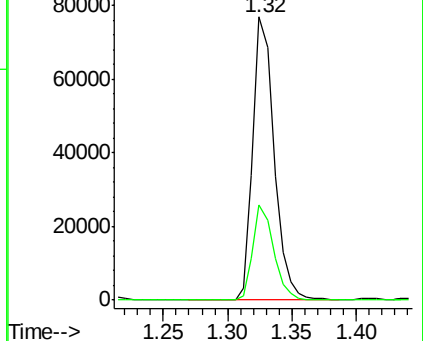
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.736 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010523.D

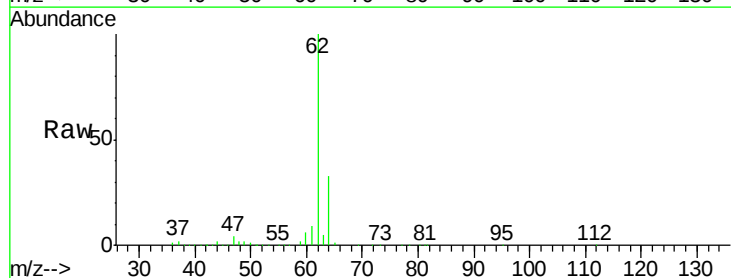
Acq: 28 Jun 2019 06:31

Tgt Ion: 62 Resp: 94295

Ion Ratio Lower Upper

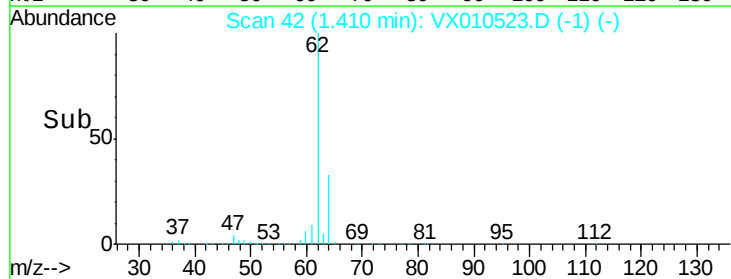
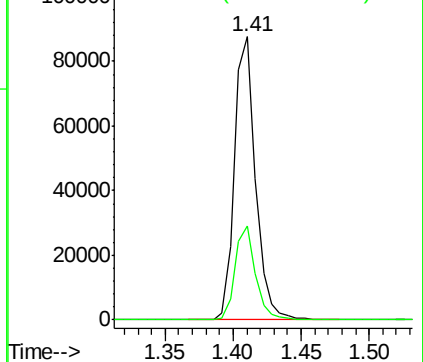
62 100

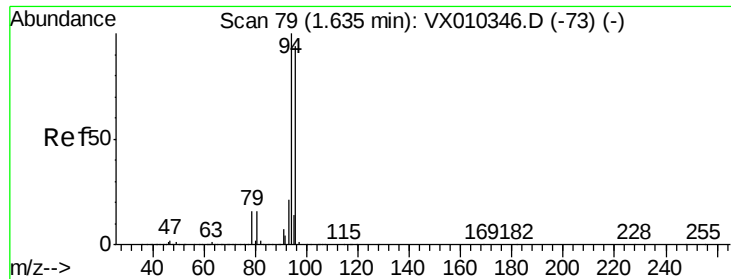
64 33.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.164 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48432

Ion Ratio Lower Upper

94 100

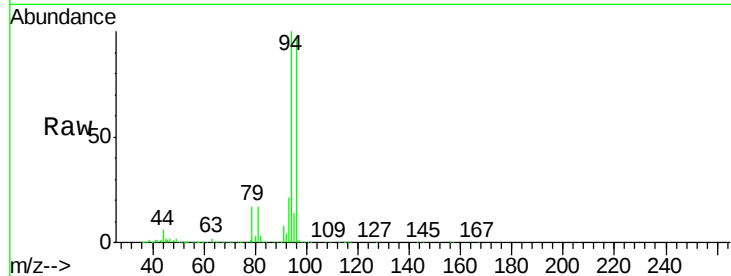
96 96.5 75.5 113.3

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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

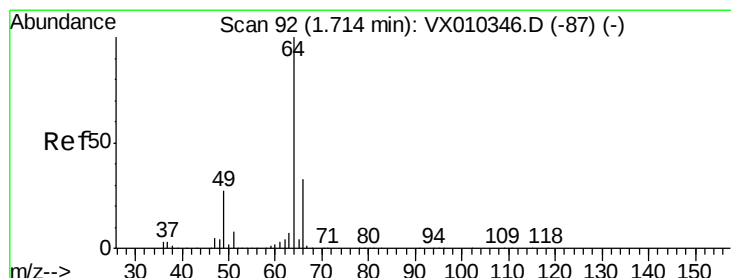
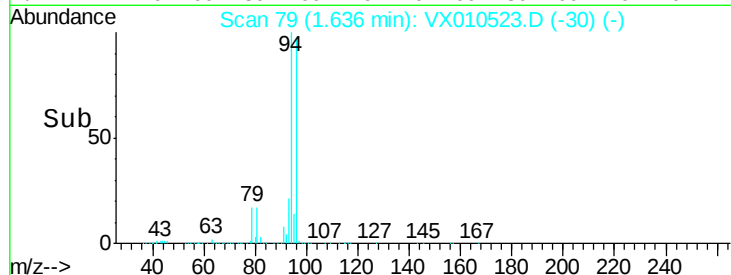
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.955 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010523.D

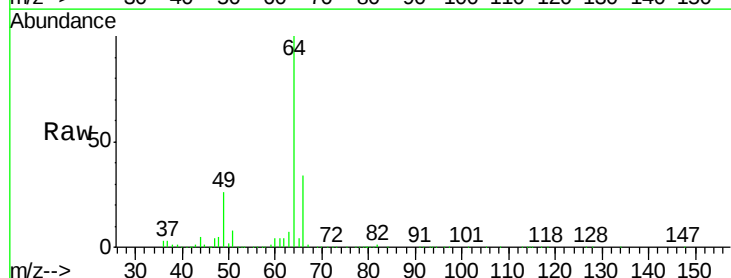
Acq: 28 Jun 2019 06:31

Tgt Ion: 64 Resp: 60879

Ion Ratio Lower Upper

64 100

66 33.6 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

50000

40000

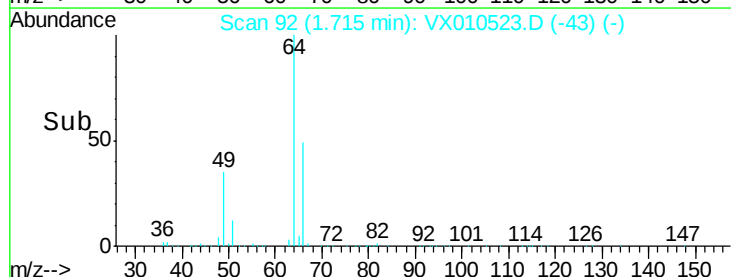
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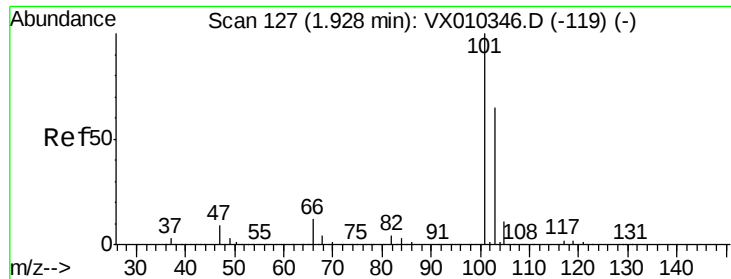
20000

10000

0

Time-->





#7

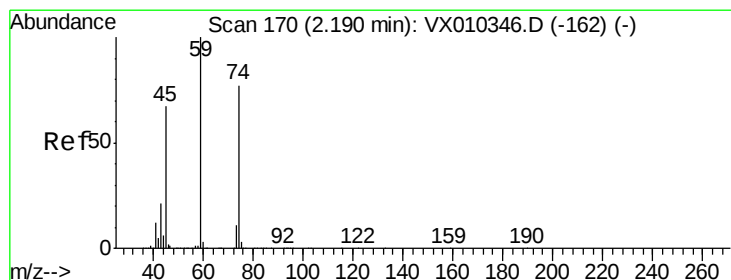
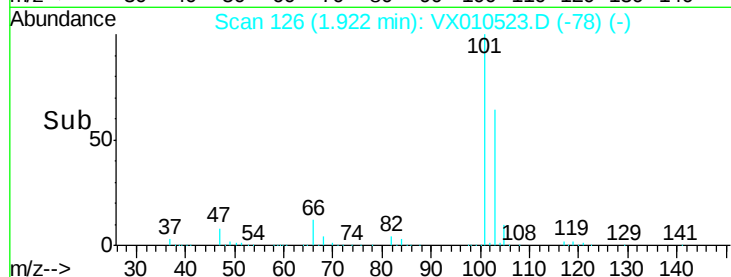
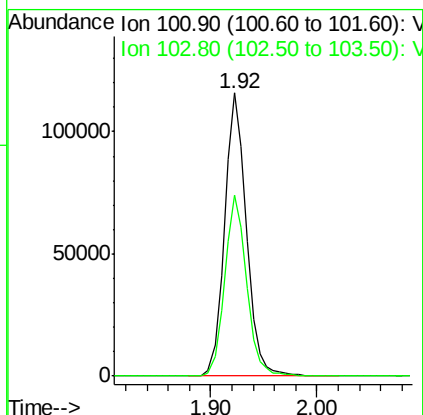
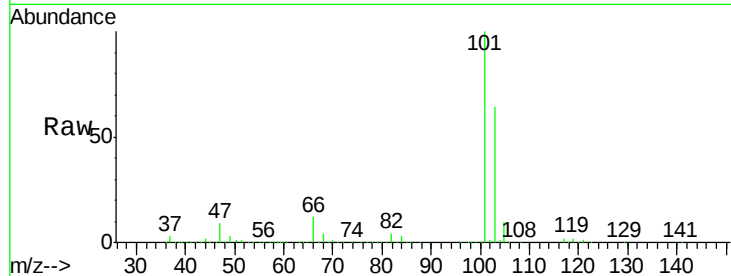
Trichlorofluoromethane
Concen: 49.786 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.3	78.5

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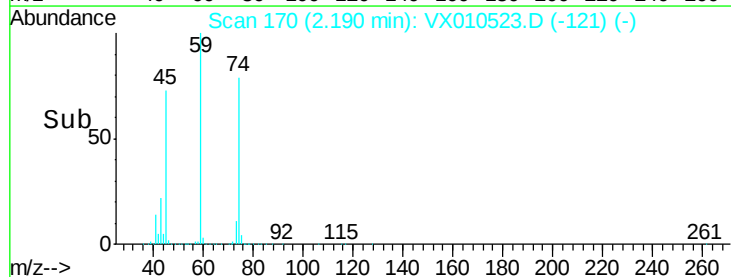
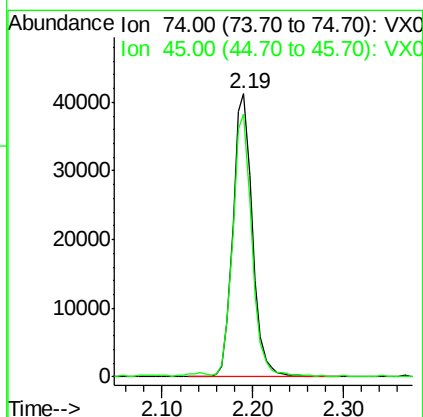
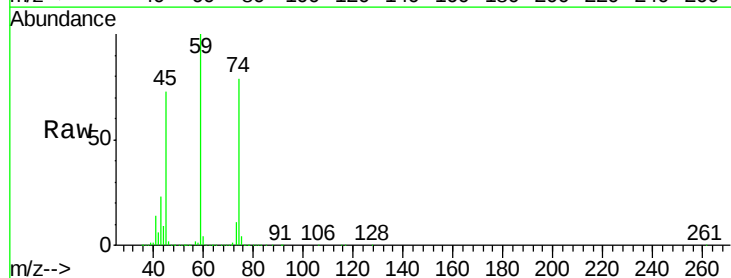
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#8

Diethyl Ether
Concen: 51.147 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.5	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.971 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

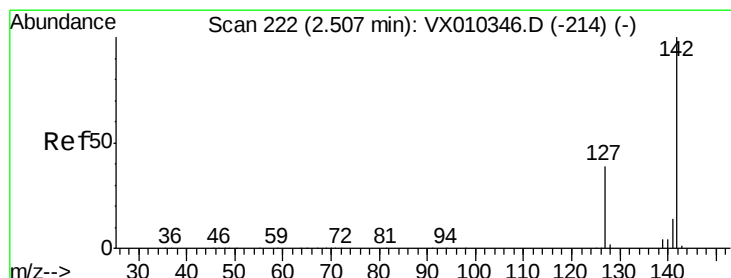
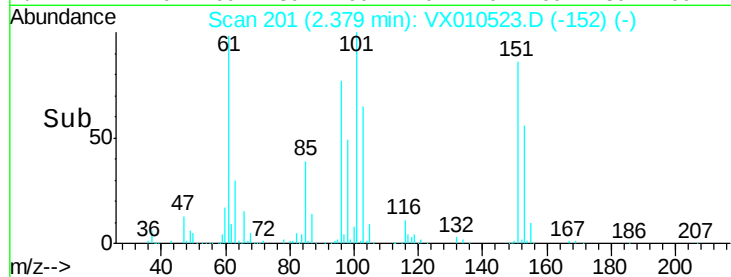
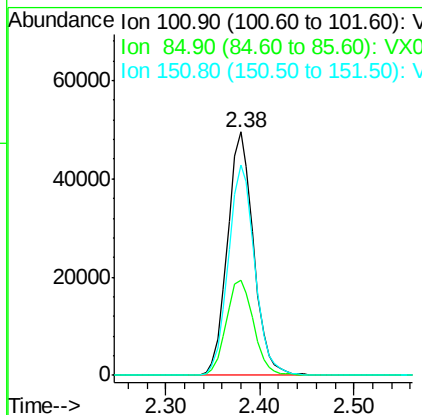
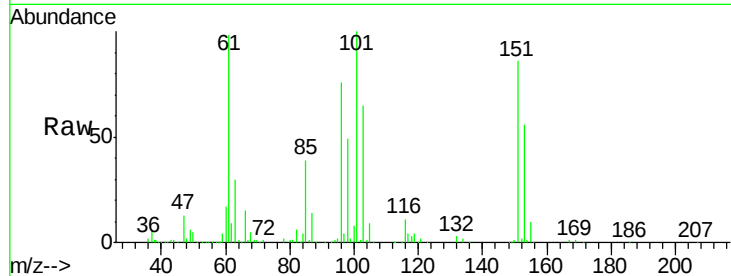
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	95111
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.7	50.5
151	87.8	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 49.607 ug/l

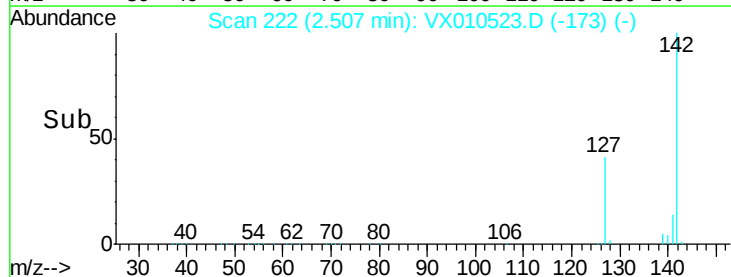
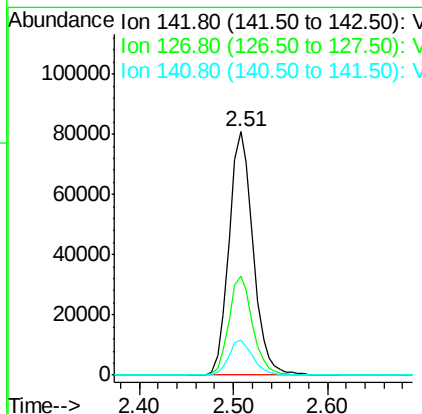
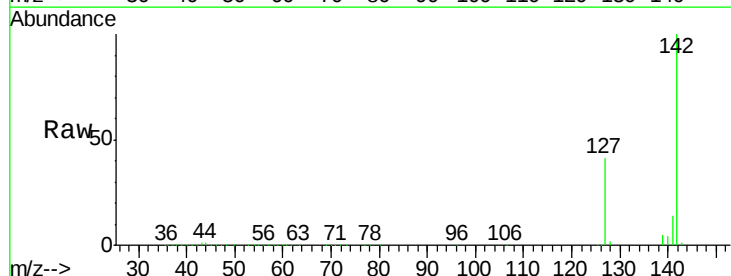
RT: 2.51 min Scan# 222

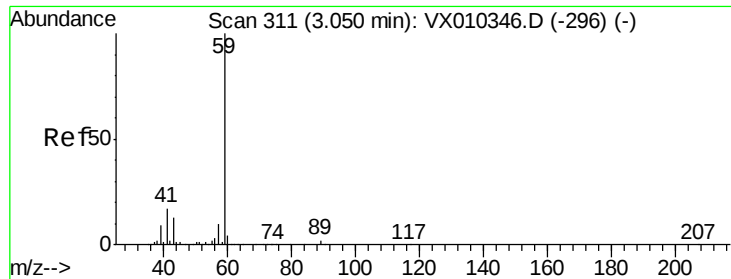
Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Tgt Ion:	142	Resp:	143355
Ion Ratio	Lower	Upper	
142	100		
127	40.3	31.1	46.7
141	14.2	11.2	16.8





#11

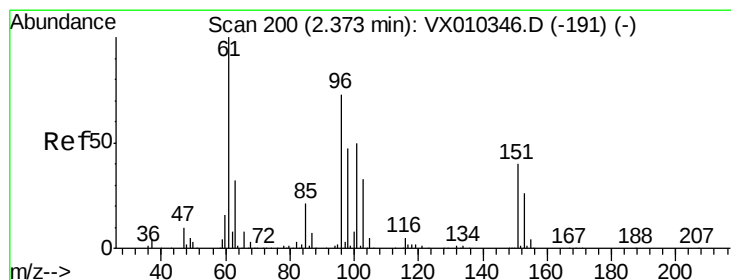
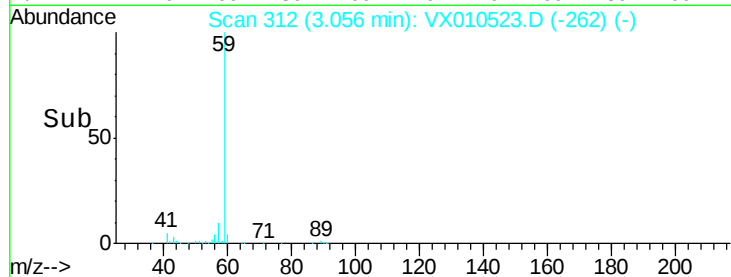
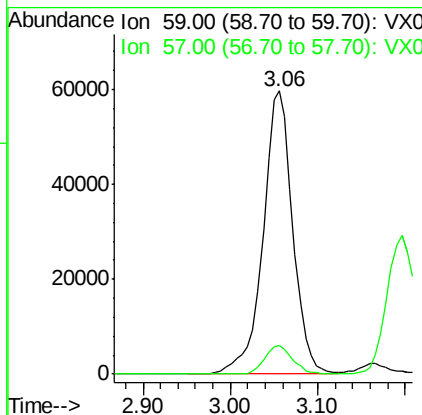
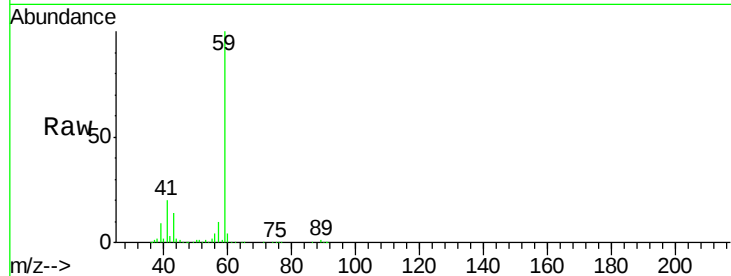
Tert butyl alcohol
Concen: 242.995 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	141715		
57	9.1		7.7	11.5

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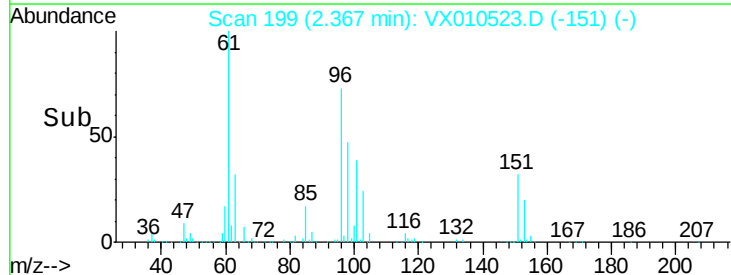
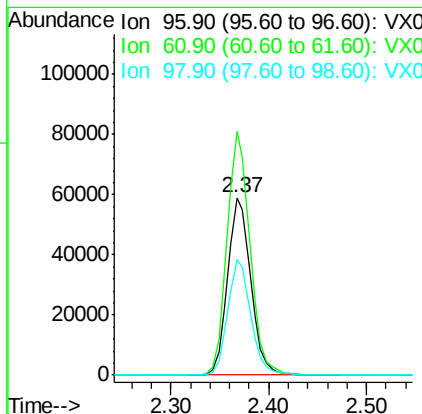
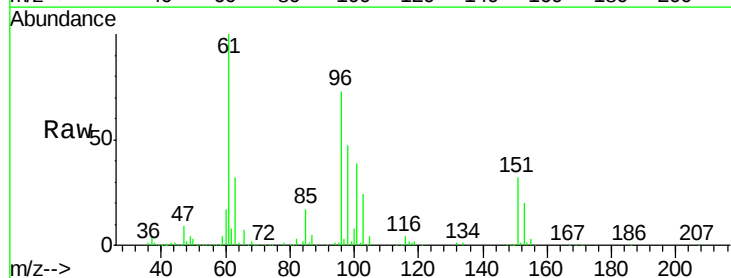
MMDadoda
6/28/2019 10:36:28 AM



#12

1,1-Dichloroethene
Concen: 47.069 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	96982		
61	137.3		109.2	163.8
98	64.8		51.1	76.7





#13

Acrolein

Concen: 167.664 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 64866

Ion Ratio Lower Upper

56 100

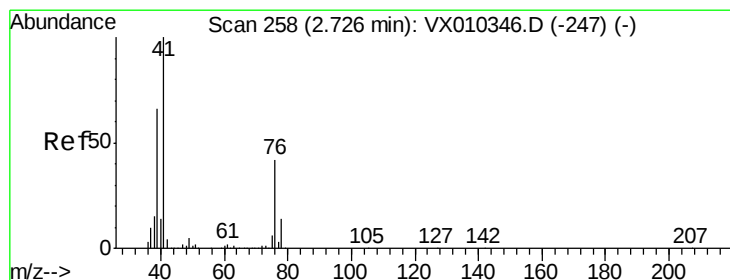
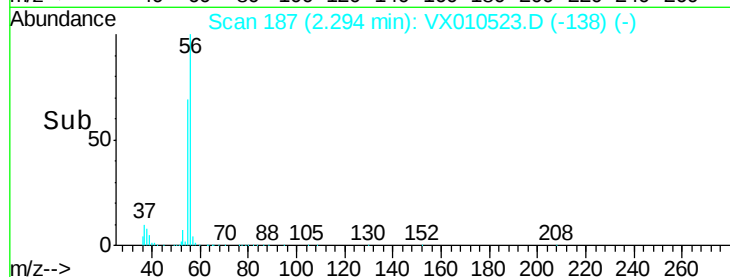
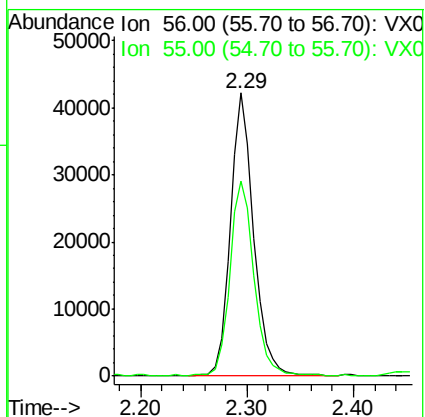
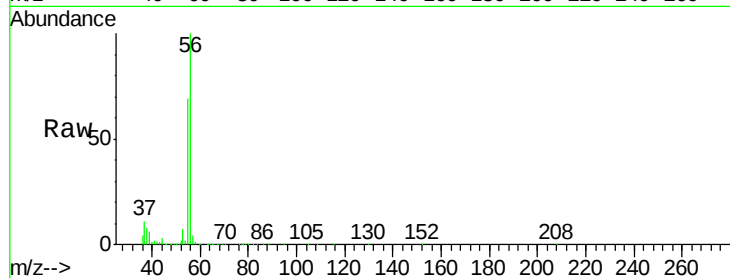
55 70.8 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 46.097 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

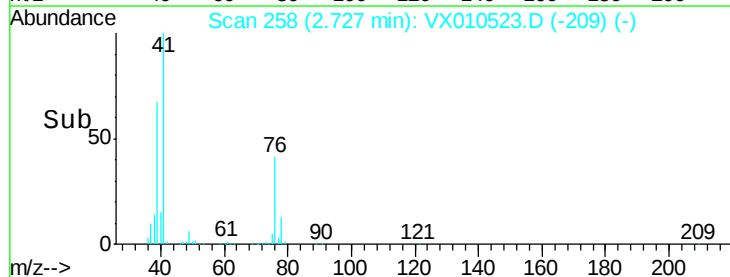
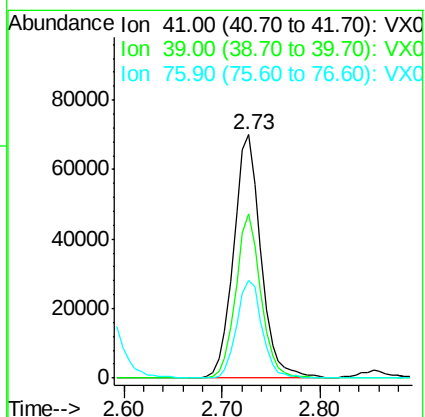
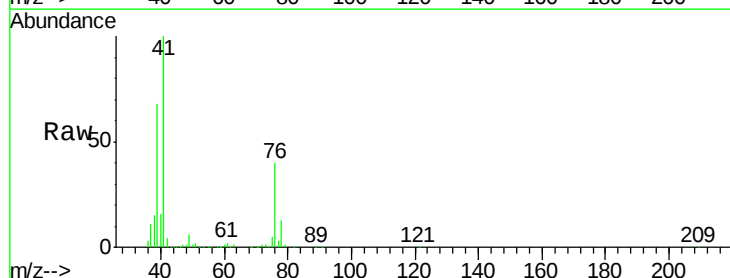
Tgt Ion: 41 Resp: 134845

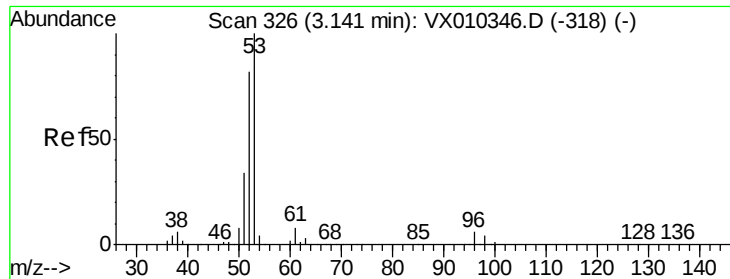
Ion Ratio Lower Upper

41 100

39 62.0 50.3 75.5

76 37.5 31.3 46.9





#15

Acrylonitrile

Concen: 260.091 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

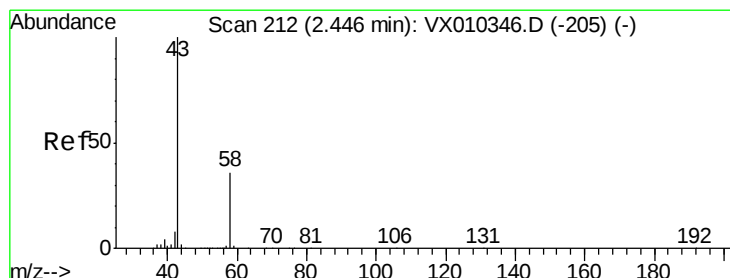
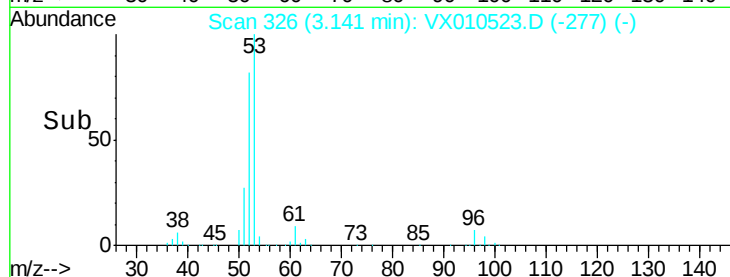
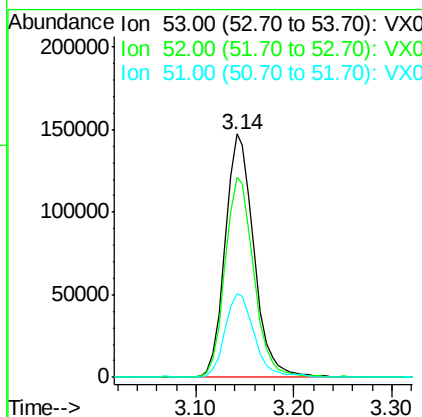
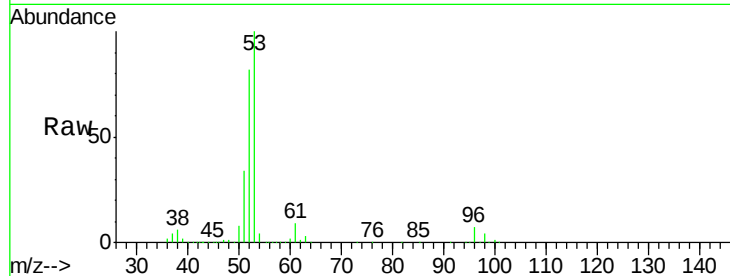
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	300320
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.5	98.3
51	34.9	28.2	42.4

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#16

Acetone

Concen: 215.791 ug/l

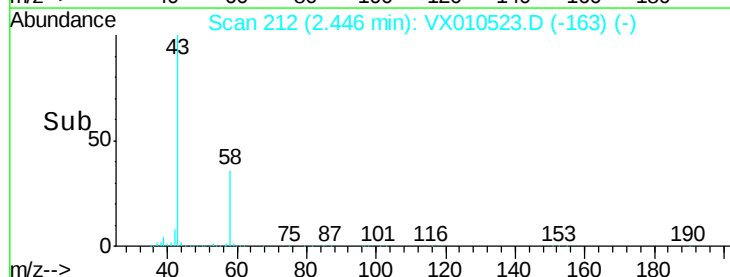
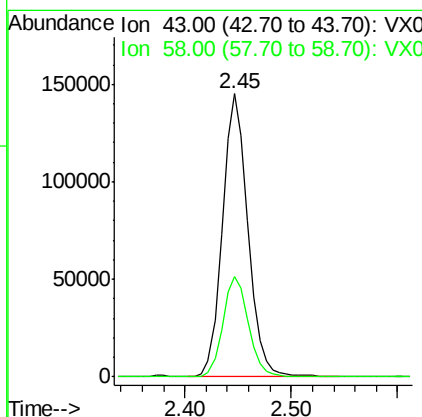
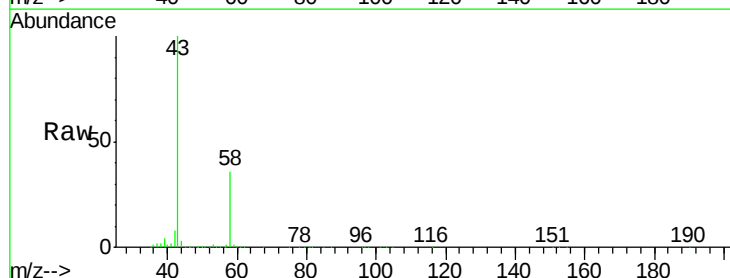
RT: 2.45 min Scan# 212

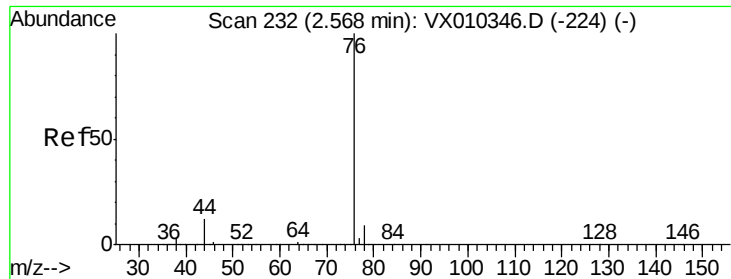
Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Tgt Ion:	43	Resp:	241038
Ion Ratio		Lower	Upper
43	100		
58	35.6	28.9	43.3





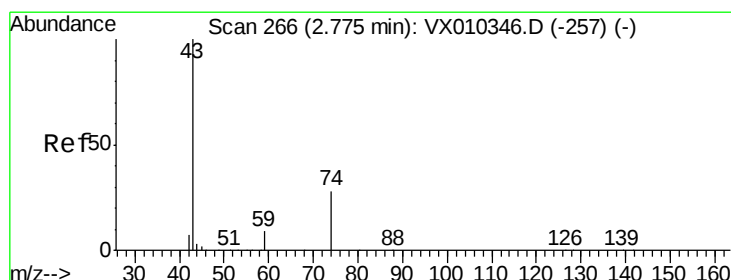
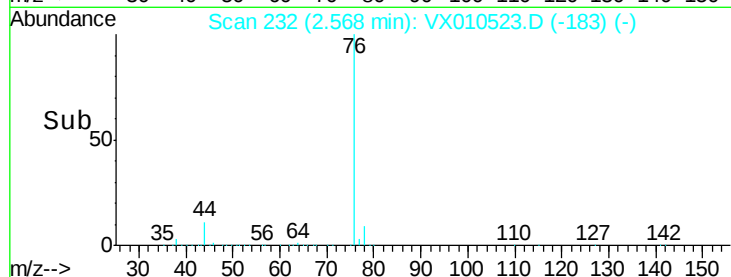
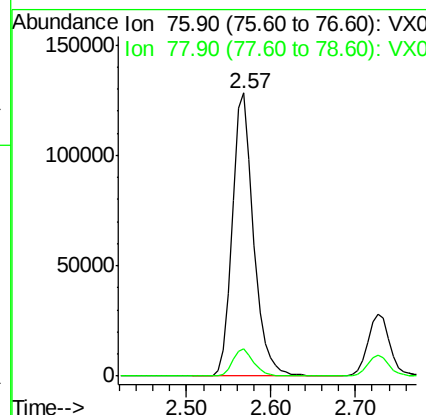
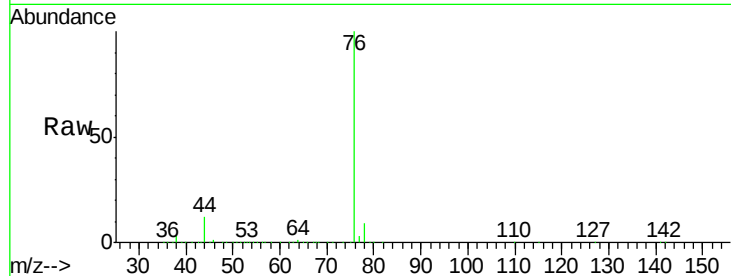
#17
Carbon Disulfide
Concen: 40.001 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

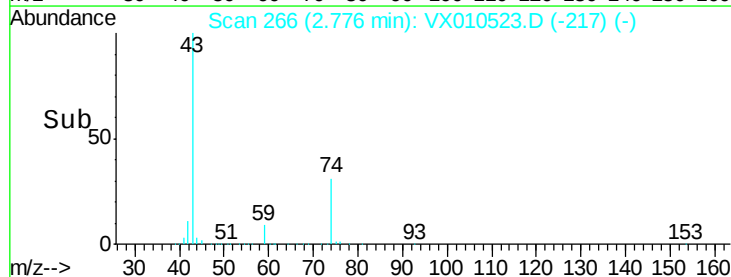
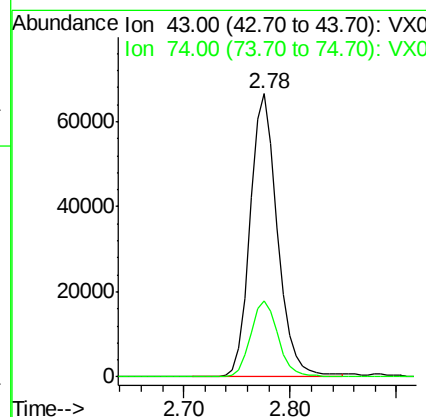
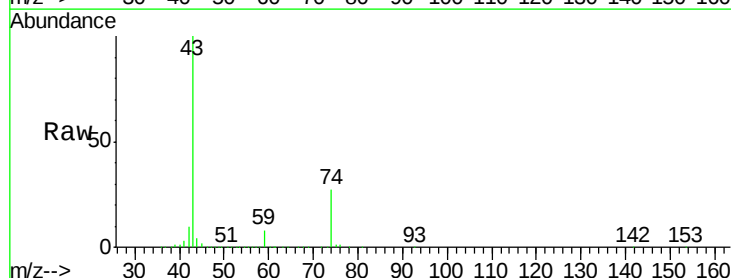
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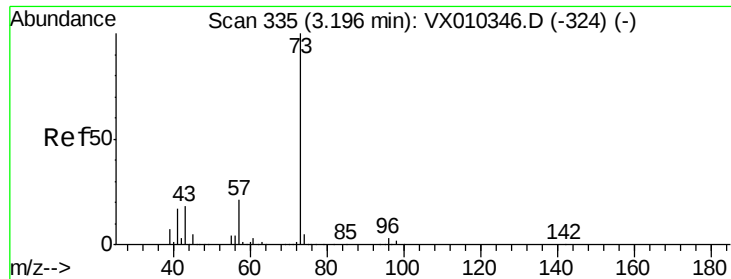
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#18
Methyl Acetate
Concen: 53.658 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	21.3	31.9





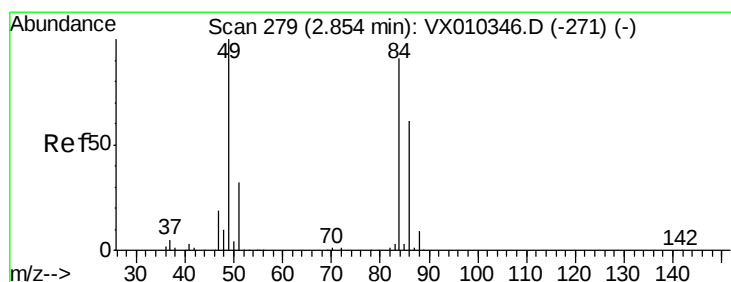
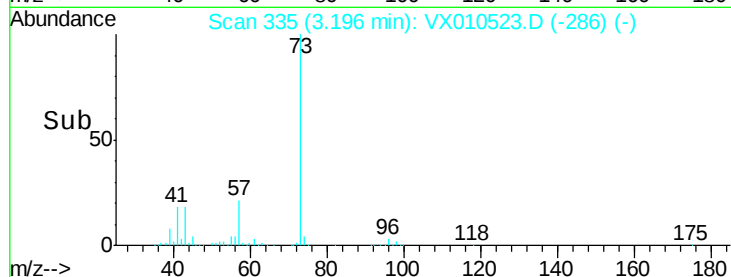
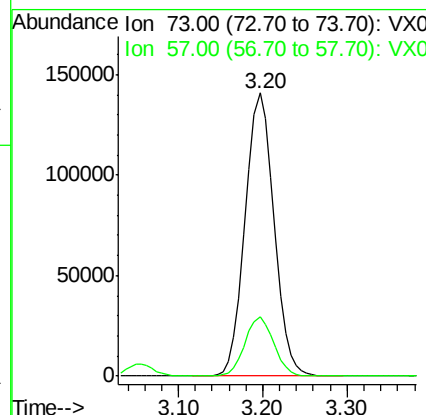
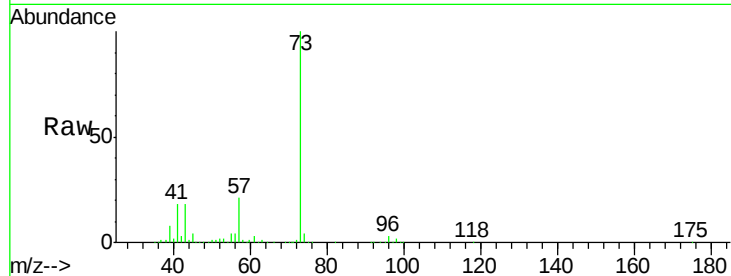
#19
Methvl tert-butvl Ether
Concen: 50.315 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	16.4	24.6

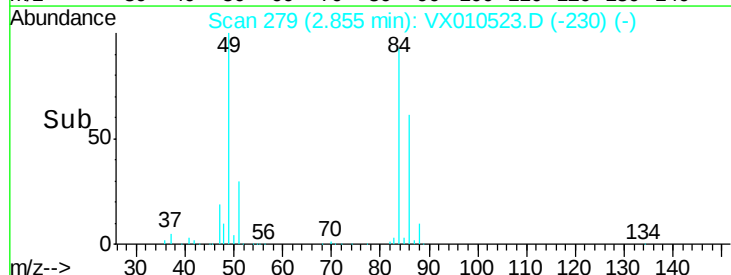
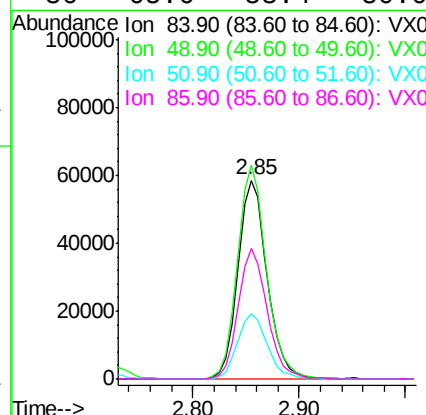
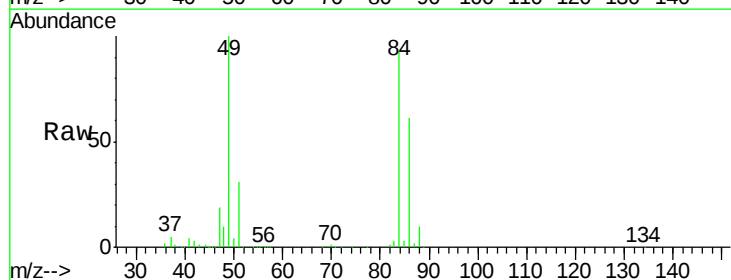
Manual Integrations
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#20
Methylene Chloride
Concen: 49.064 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.5	87.5	131.3
51	32.7	27.7	41.5
86	65.6	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 47.449 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

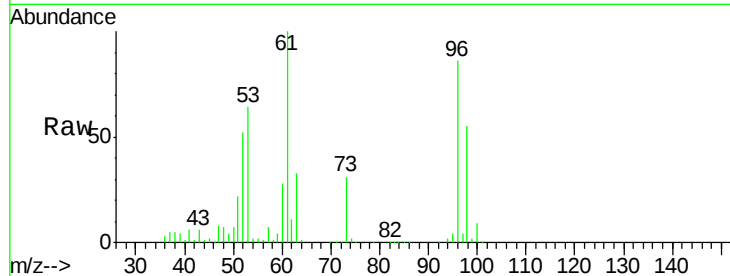
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	105148
Ion	Ratio	Lower	Upper
96	100		
61	116.1	95.6	143.4
98	63.9	52.5	78.7

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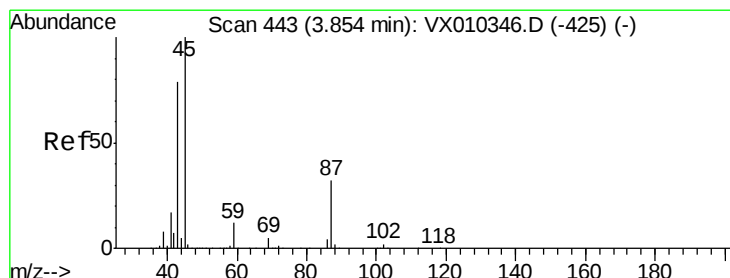
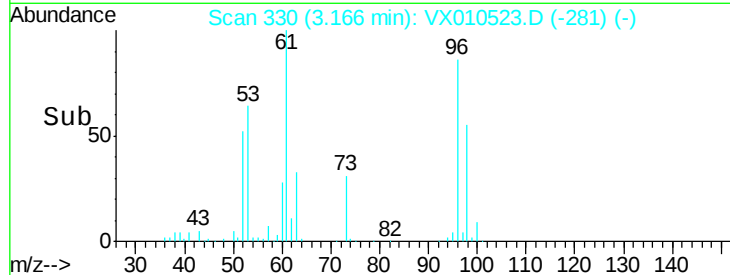
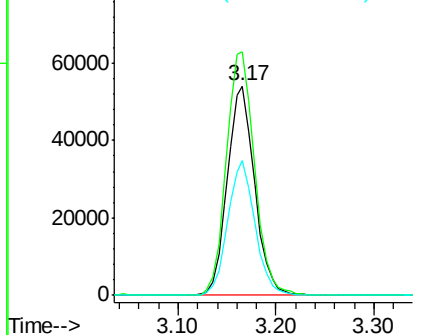


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.159 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Tgt Ion:	45	Resp:	306772
Ion	Ratio	Lower	Upper
45	100		
43	74.8	63.3	94.9
87	31.8	25.8	38.8
59	12.4	9.6	14.4

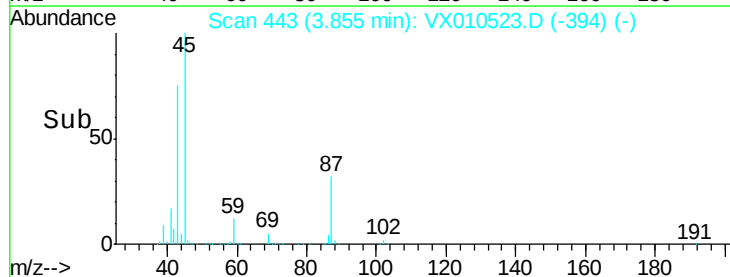
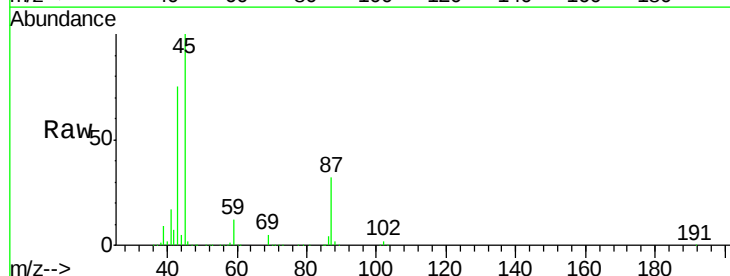
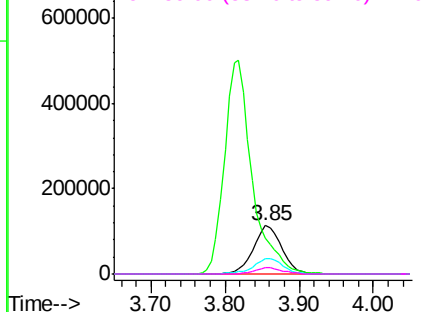
Abundance

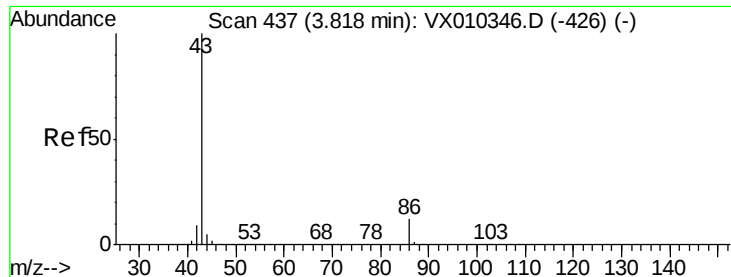
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





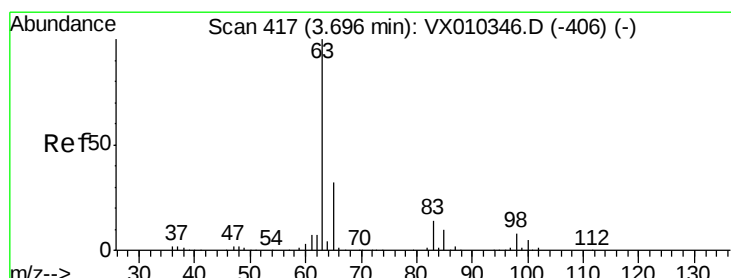
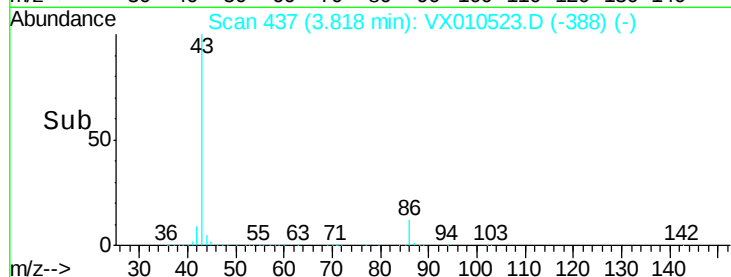
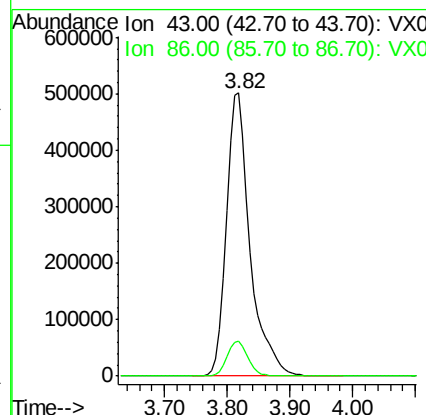
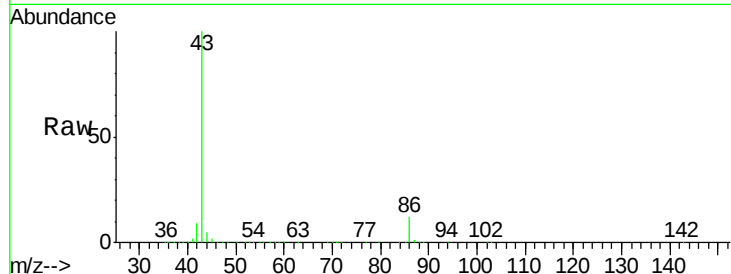
#23
 Vinyl Acetate
 Concen: 246.585 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1302844
 Ion Ratio Lower Upper
 43 100
 86 12.4 9.9 14.9

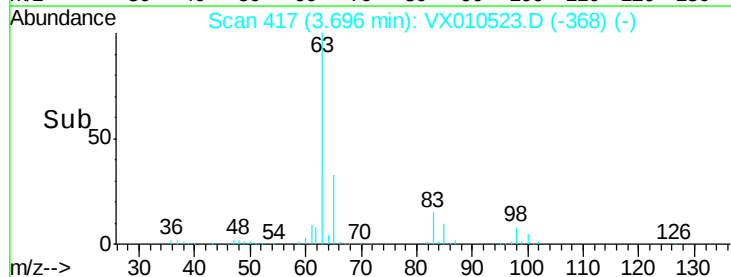
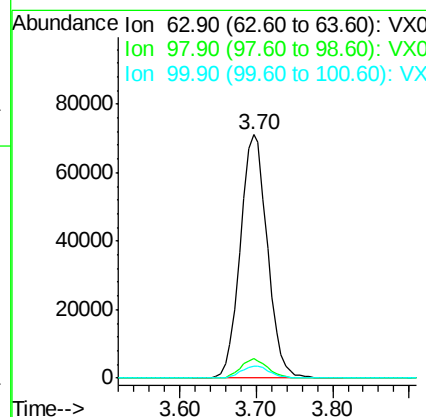
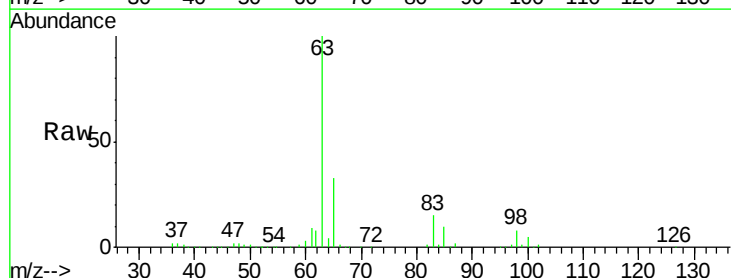
Manual Integrations
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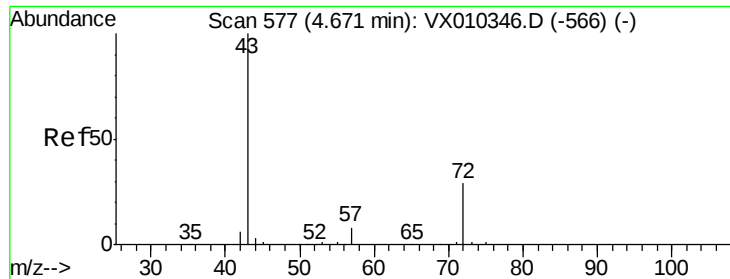
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#24
 1,1-Dichloroethane
 Concen: 49.138 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Tgt Ion: 63 Resp: 173717
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.9 11.7
 100 5.1 2.4 7.1





#25

2-Butanone

Concen: 246.828 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 404427

Ion Ratio Lower Upper

43 100

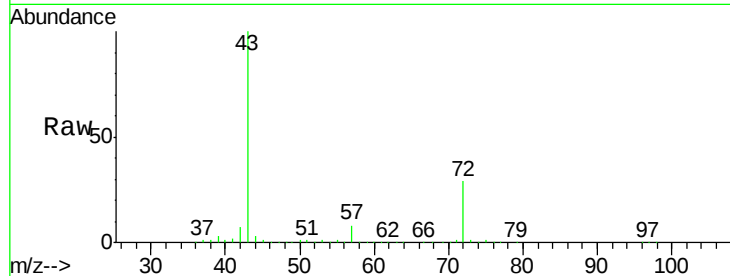
72 28.5 23.3 34.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

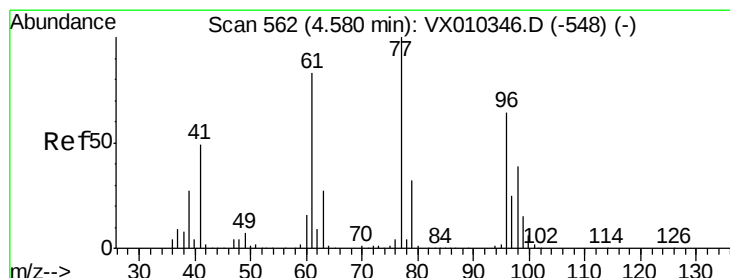
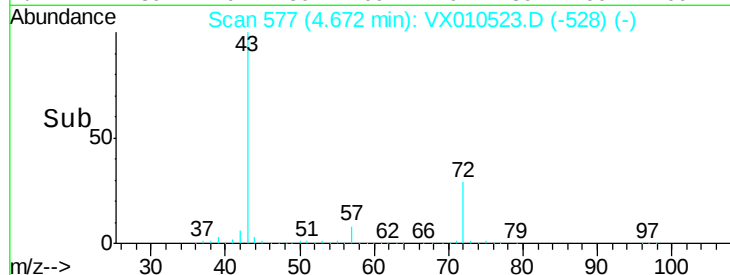
100000

50000

0

4.60 4.67 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 27.712 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010523.D

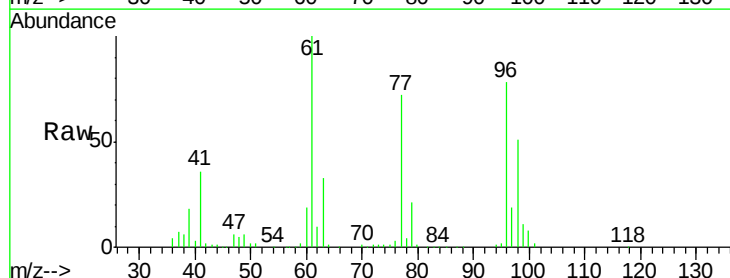
Acq: 28 Jun 2019 06:31

Tgt Ion: 77 Resp: 85105

Ion Ratio Lower Upper

77 100

97 28.8 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

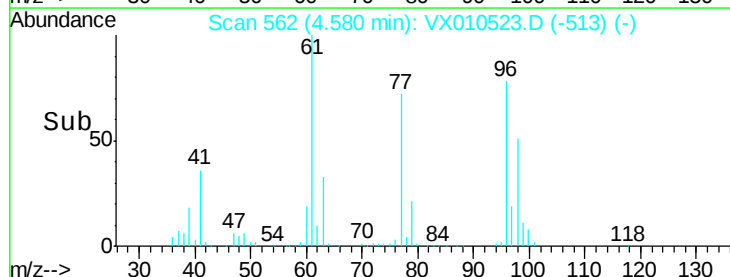
10000

5000

0

4.50 4.58 4.60 4.70

Time-->





#27

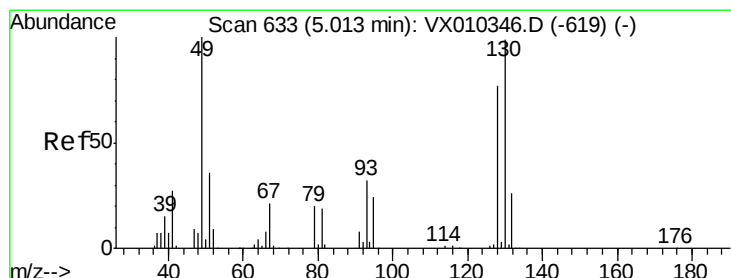
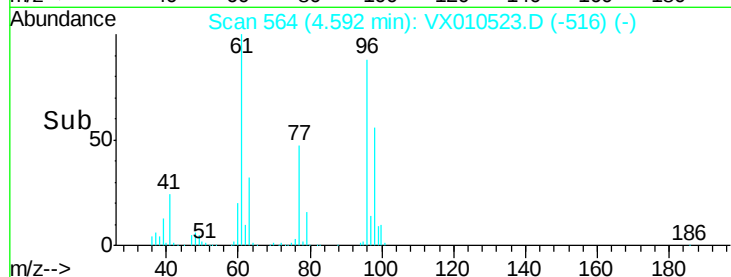
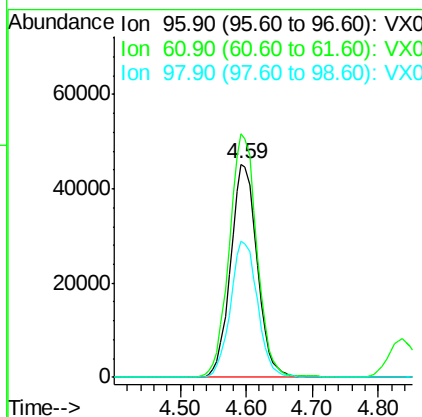
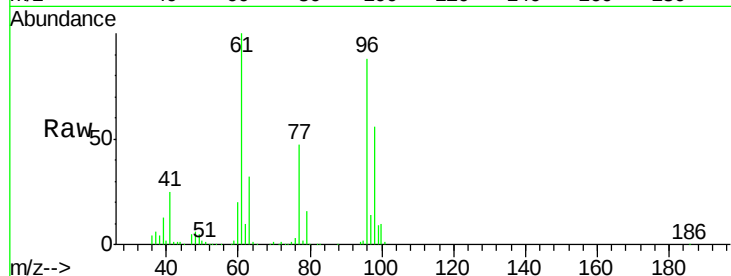
cis-1,2-Dichloroethene
 Concen: 49.194 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125976		
61	118.4	0.0	251.8	
98	64.8	0.0	129.4	

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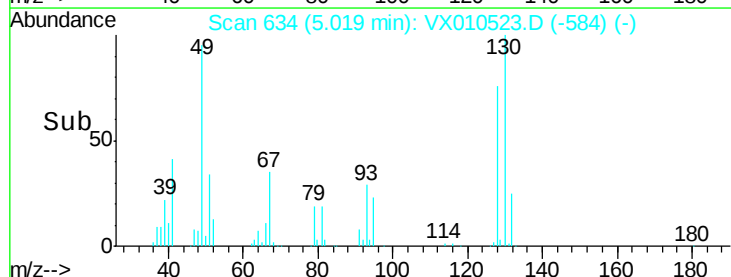
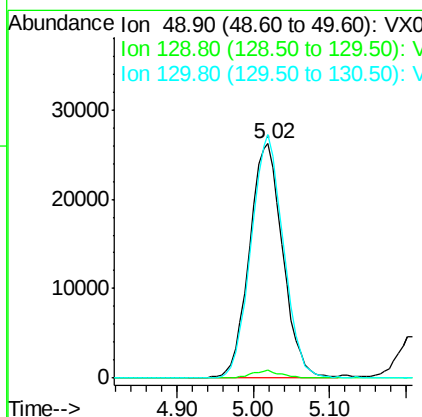
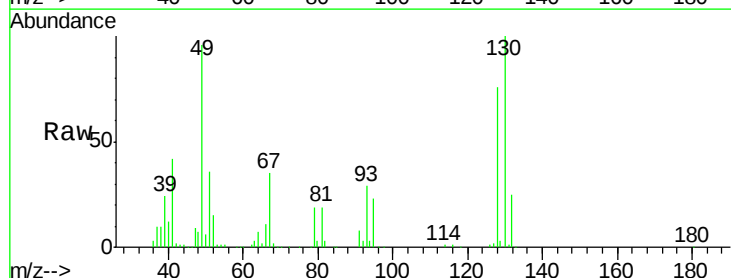
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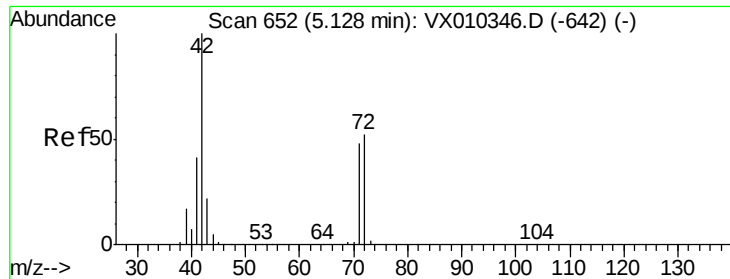


#28

Bromochloromethane
 Concen: 47.245 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	79857		
129	2.9	0.0	5.6	
130	100.4	81.4	122.0	





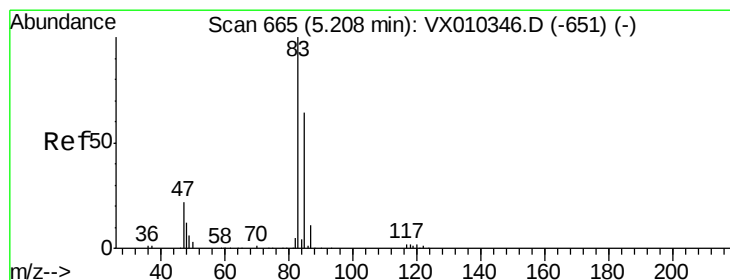
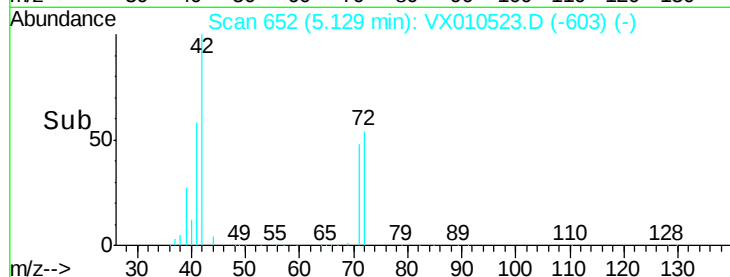
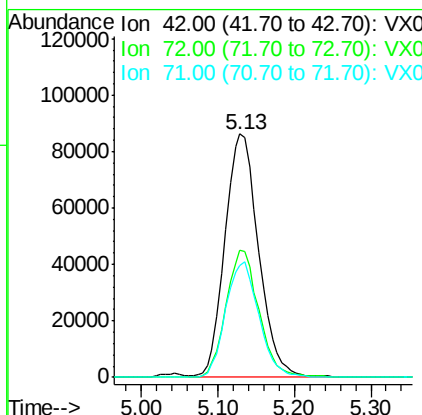
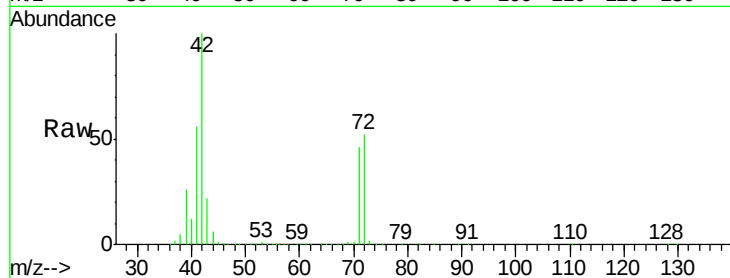
#29
Tetrahydrofuran
Concen: 257.274 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	40.6	60.8
71	47.0	37.8	56.8

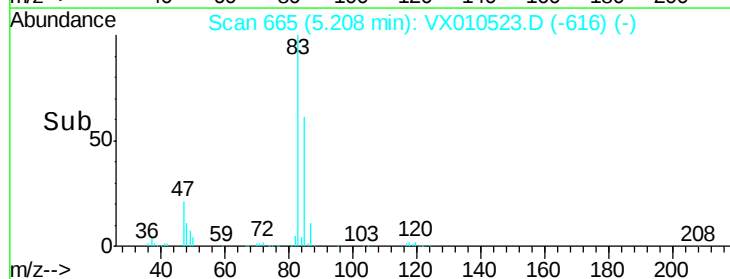
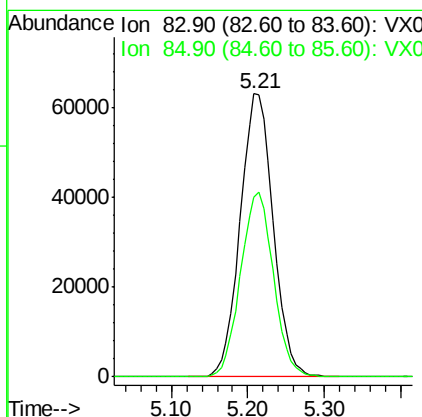
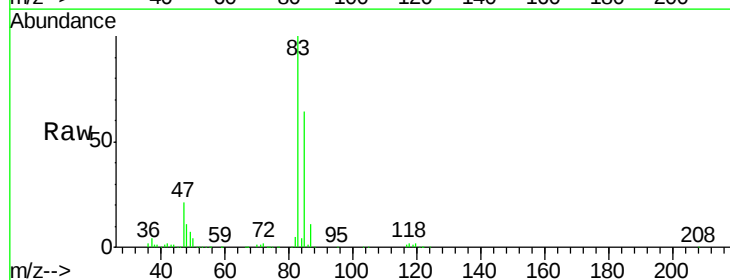
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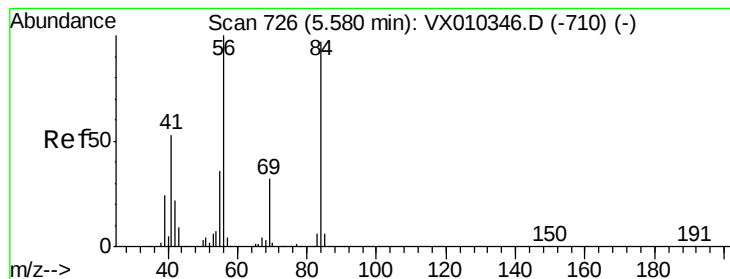
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#30
Chloroform
Concen: 49.962 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.9	76.3





#31

Cyclohexane

Concen: 46.237 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

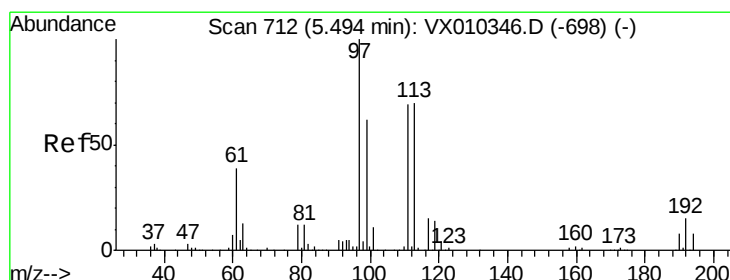
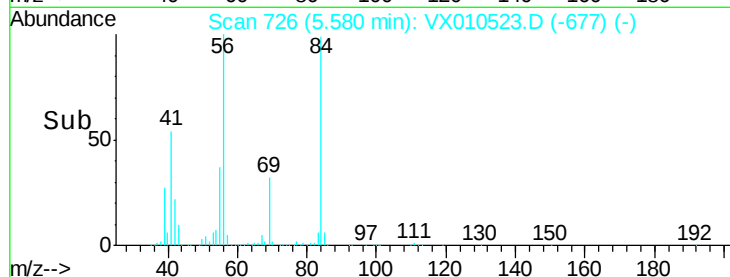
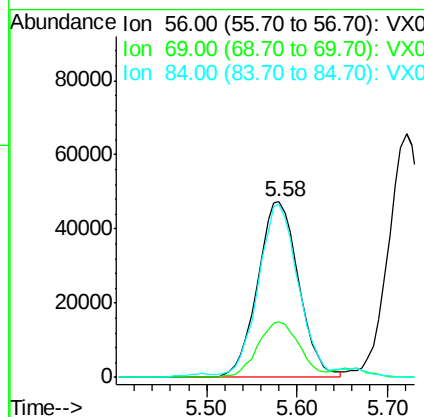
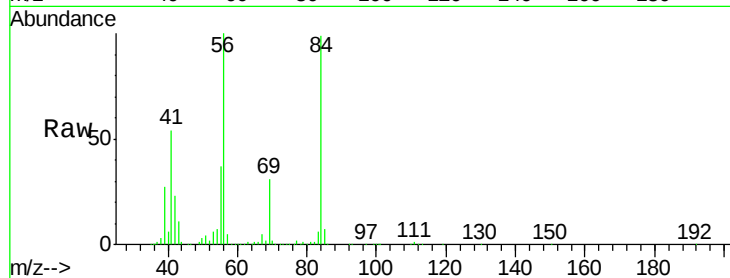
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	148854
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.9	38.9
84	97.1	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 49.198 ug/l

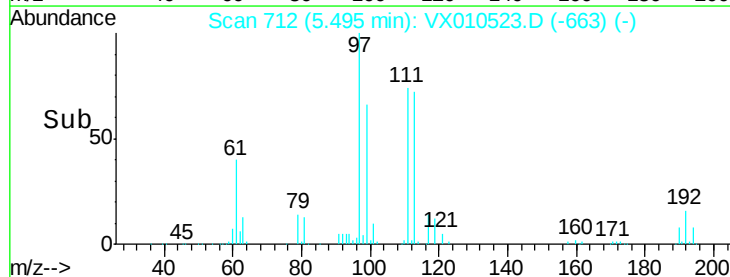
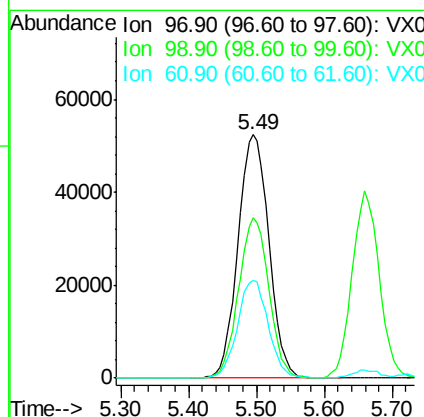
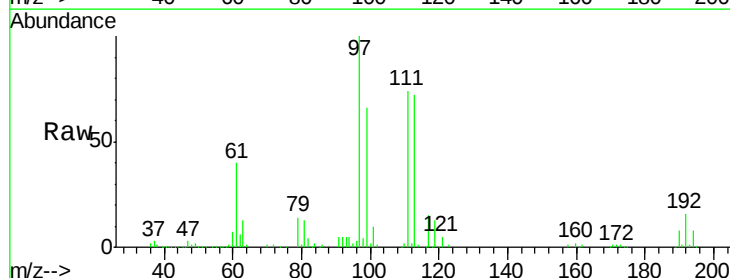
RT: 5.49 min Scan# 712

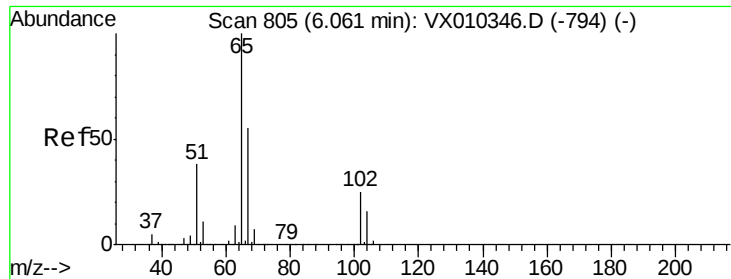
Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Tgt Ion:	97	Resp:	165239
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	40.1	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 49.849 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Tot Ion: 65 Resp: 111103

Ion Ratio Lower Upper

65 100

67 55.4 0.0 110.2

Instrument :

MSVOA_X

ClientSampleId :

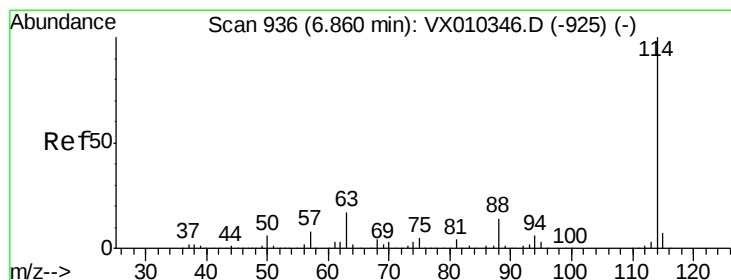
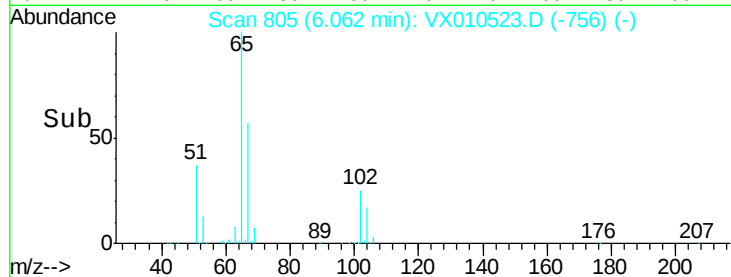
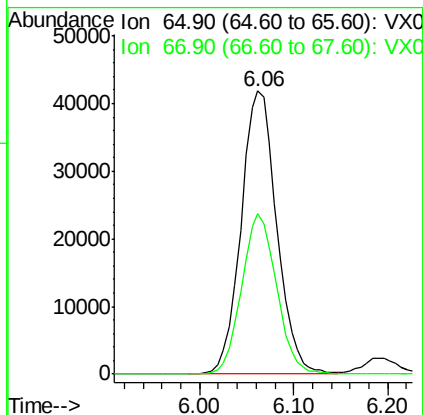
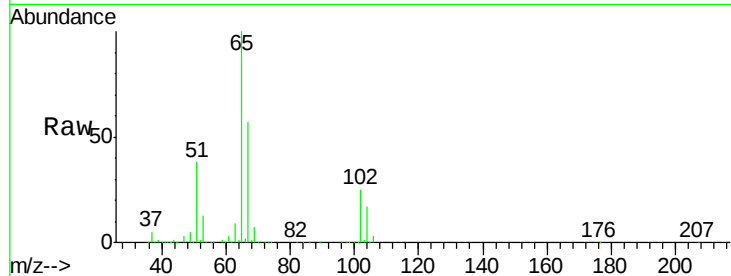
VSTDCCC050EC

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

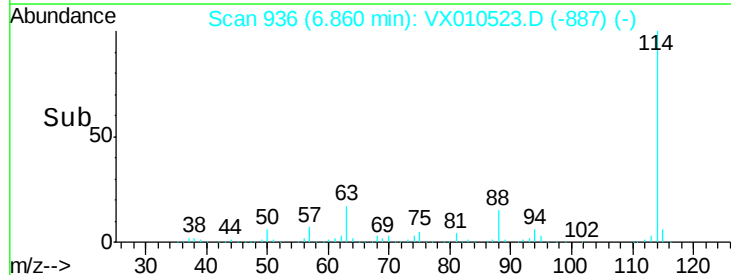
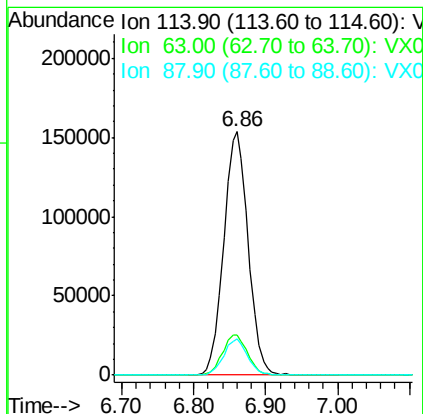
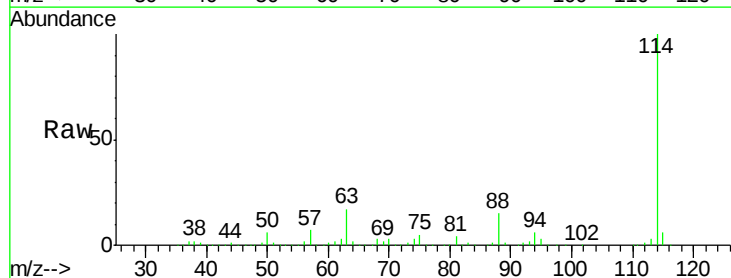
Tgt Ion: 114 Resp: 361768

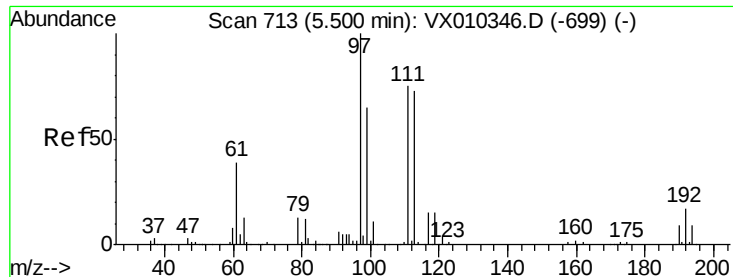
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

88 14.9 0.0 27.6





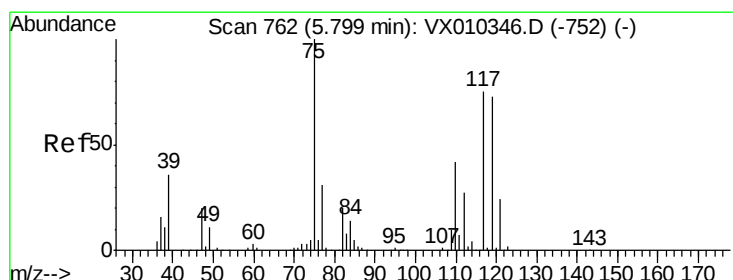
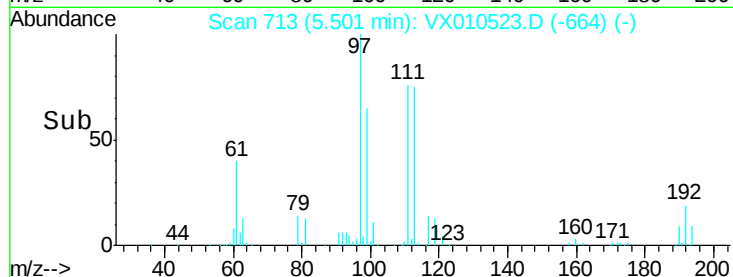
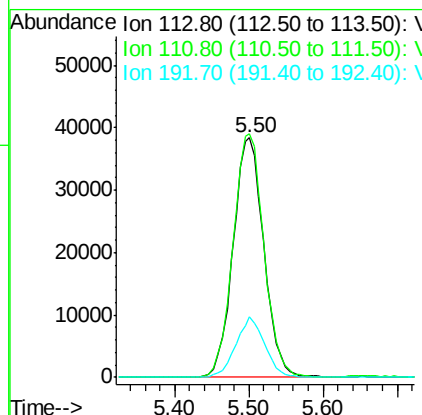
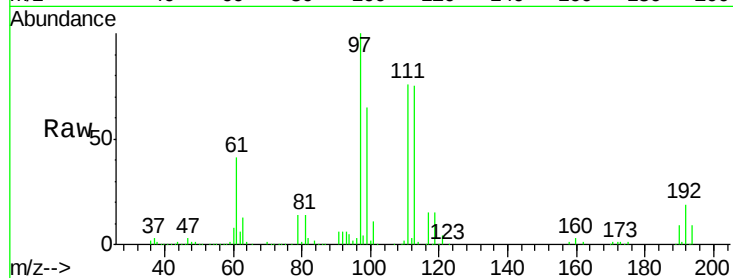
#35
 Dibromofluoromethane
 Concen: 49.998 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110668		
111	102.2	81.2	121.8	
192	23.7	18.6	27.8	

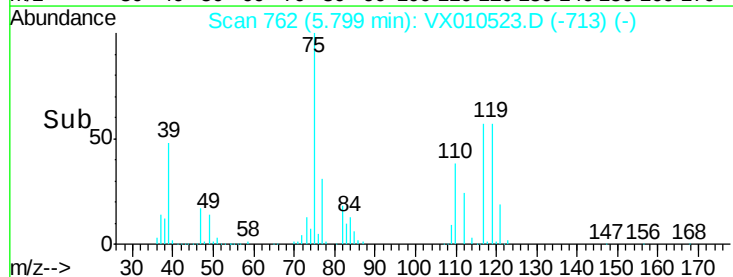
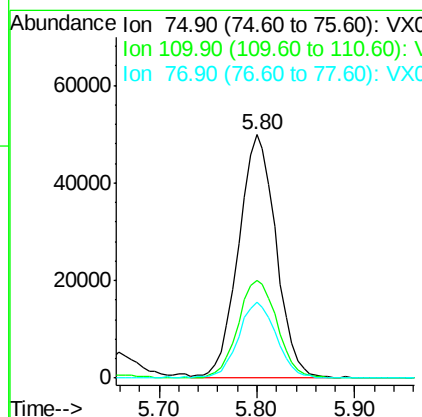
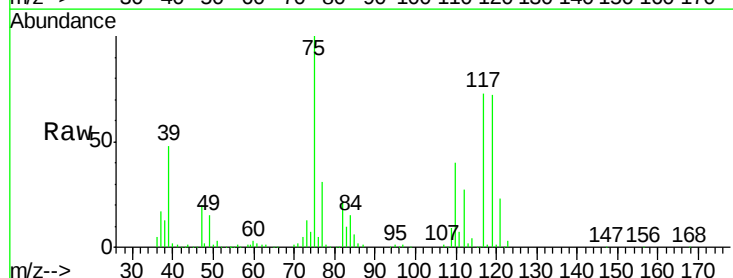
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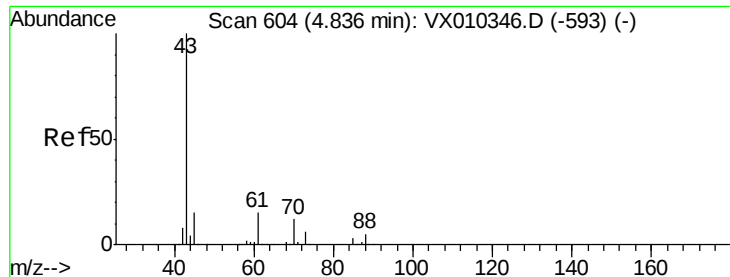
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#36
 1,1-Dichloropropene
 Concen: 45.770 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131581		
110	42.4	20.8	62.2	
77	32.0	25.4	38.0	





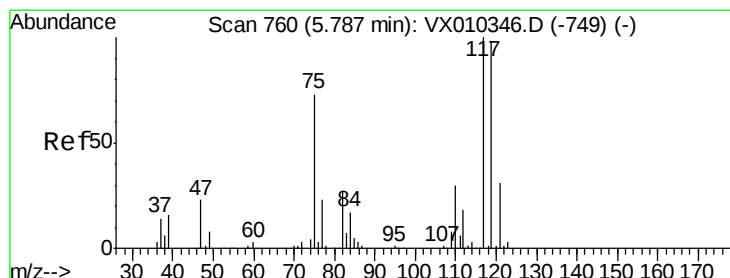
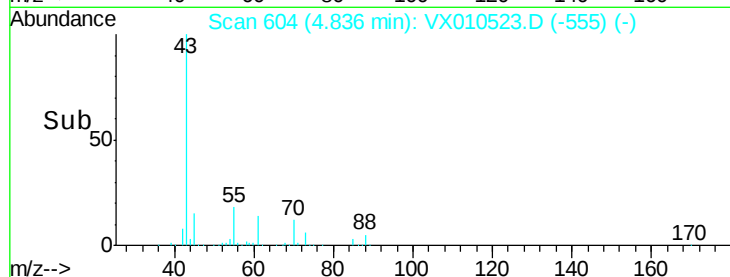
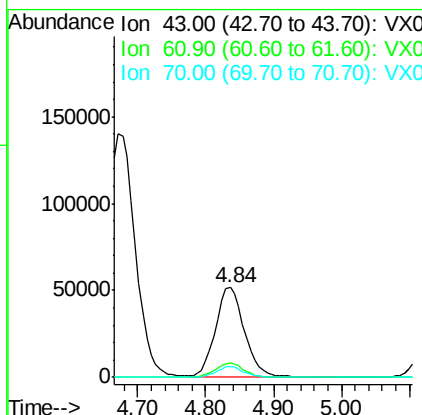
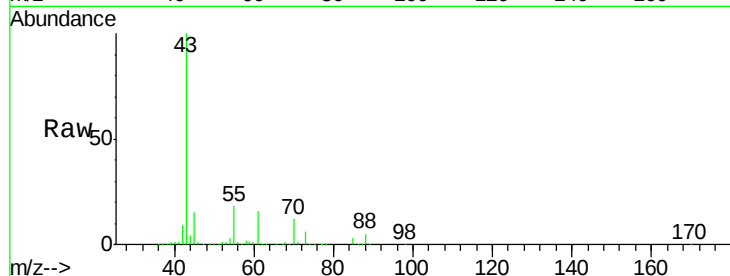
#37
Ethyl Acetate
Concen: 51.312 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	151753
Ion Ratio	Lower	Upper	
43	100		
61	15.3	12.4	18.6
70	12.0	9.8	14.8

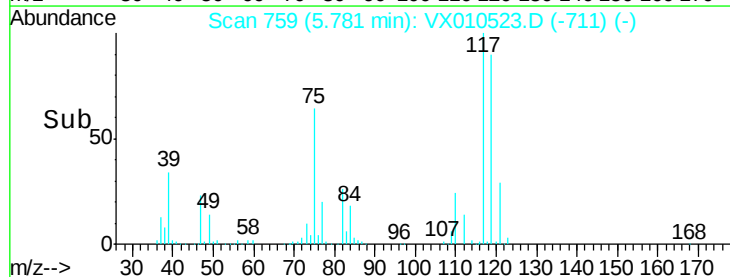
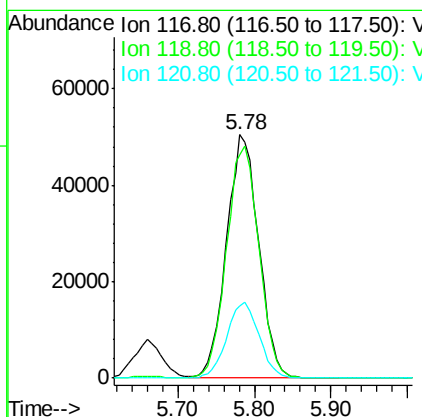
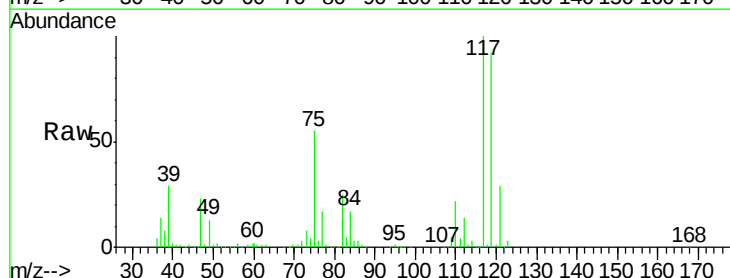
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#38
Carbon Tetrachloride
Concen: 47.284 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	117	Resp	147198
Ion Ratio	Lower	Upper	
117	100		
119	91.6	78.2	117.4
121	29.5	24.7	37.1





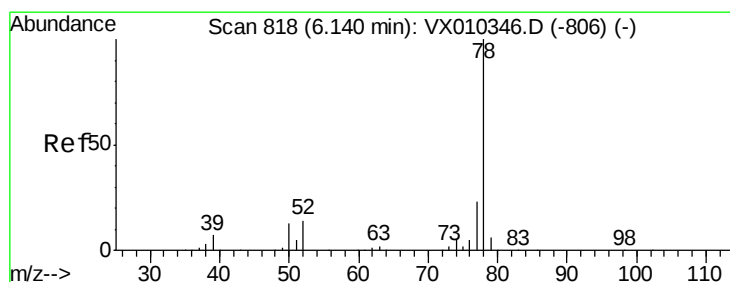
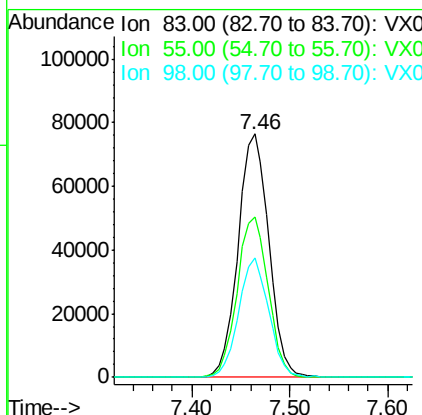
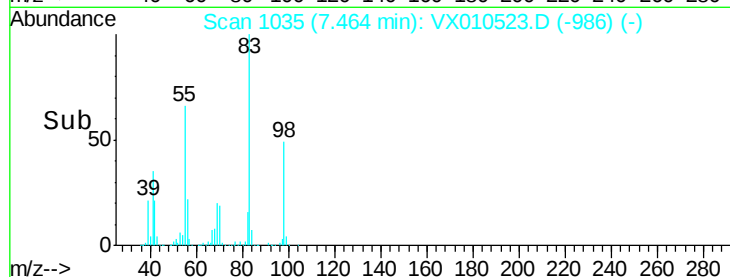
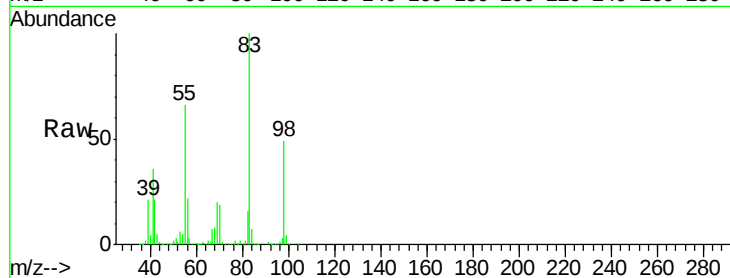
#39
Methvlcvclohexane
Concen: 44.138 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.6	53.0	79.6
98	49.2	37.8	56.8

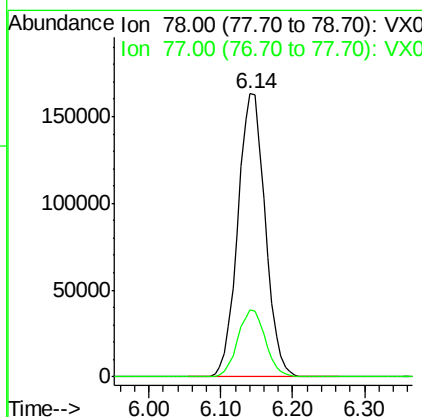
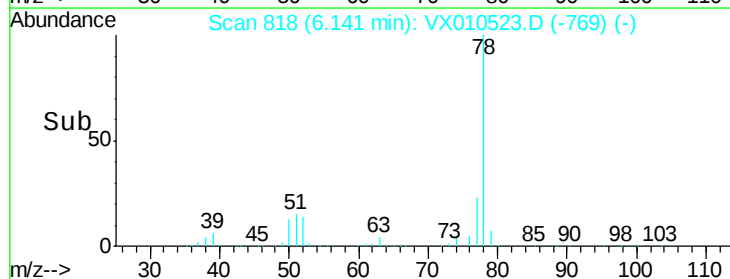
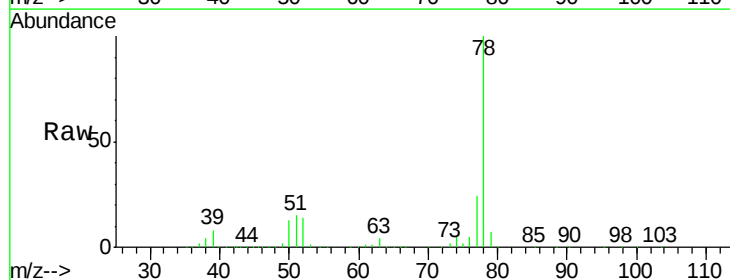
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#40
Benzene
Concen: 48.189 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





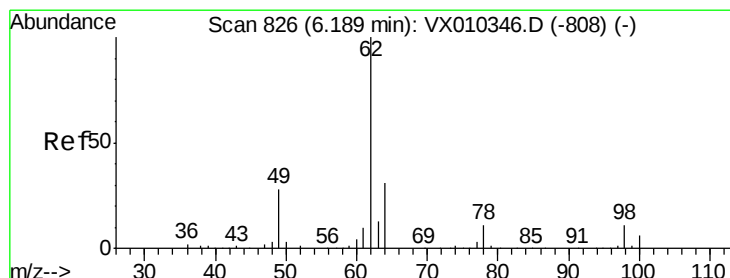
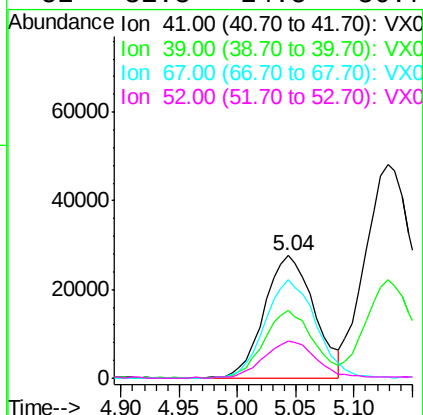
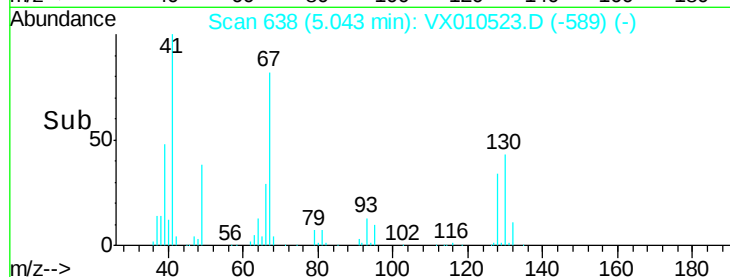
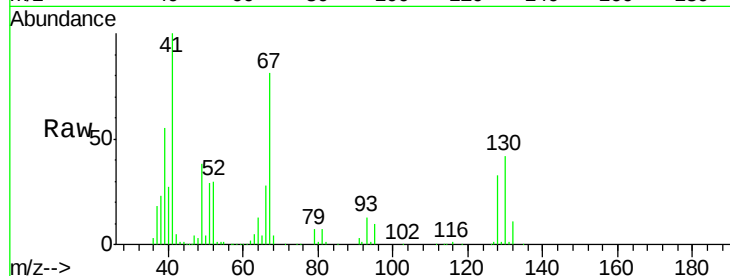
#41
Methacrylonitrile
Concen: 50.911 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	43.8	65.8	
67	82.1	66.6	100.0	
52	31.3	24.5	36.7	

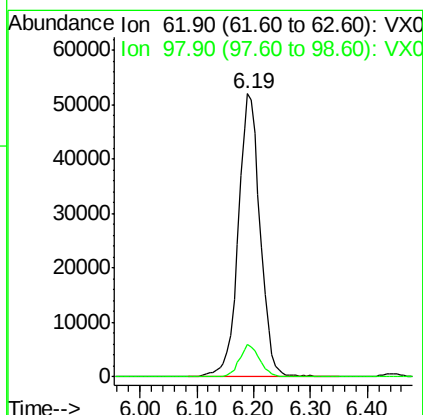
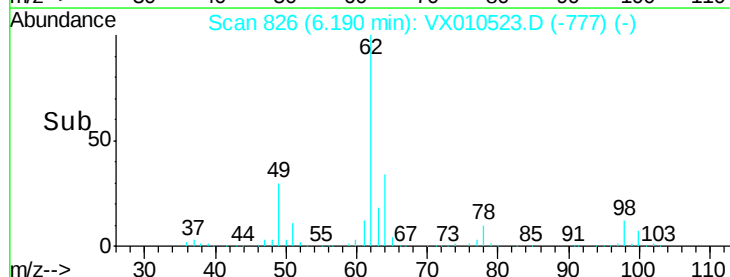
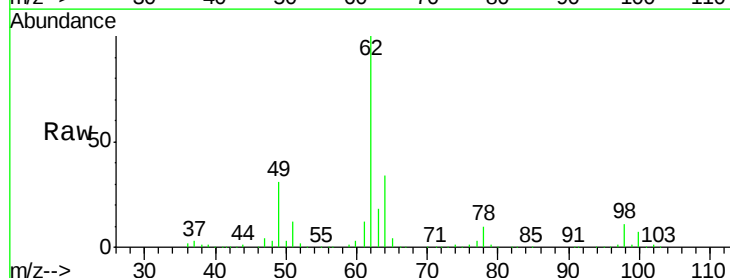
Manual Integrations
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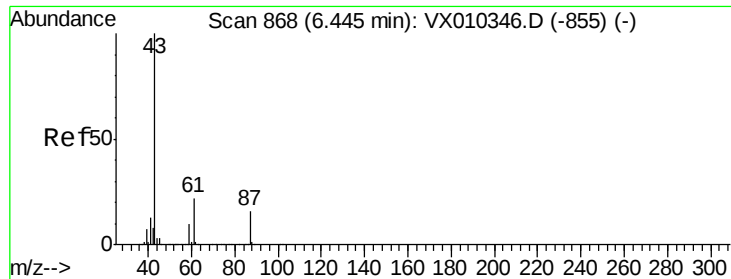
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#42
1,2-Dichloroethane
Concen: 51.183 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	22.2	





#43

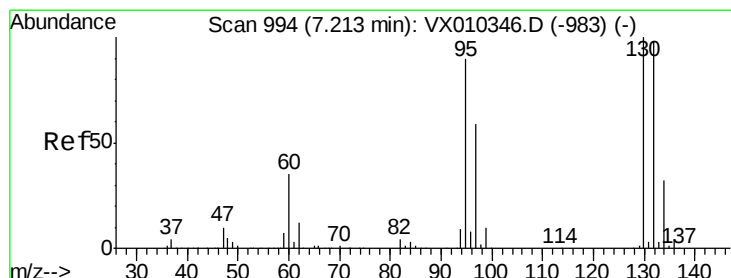
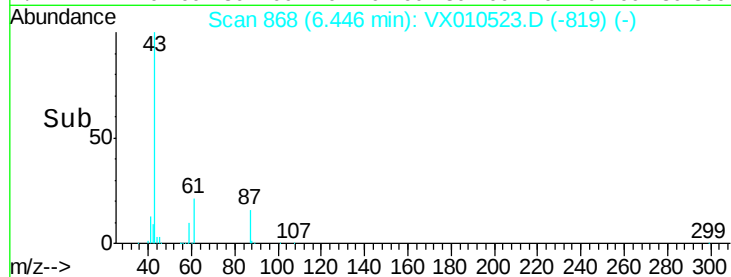
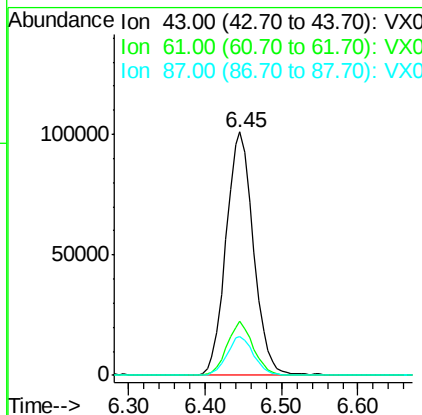
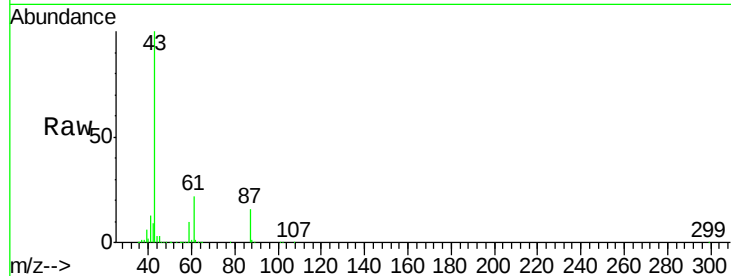
Isopropyl Acetate
 Concen: 50.969 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.8	26.6
87	15.6	13.0	19.4

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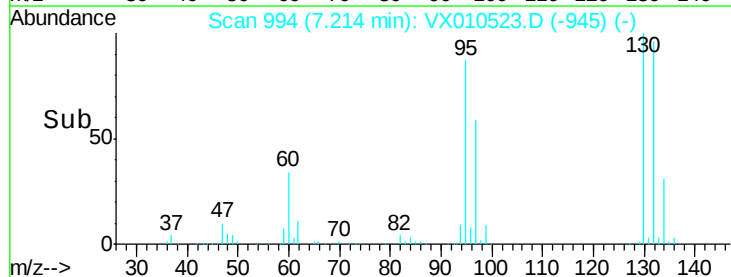
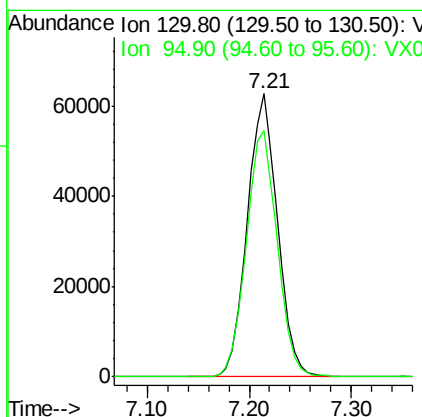
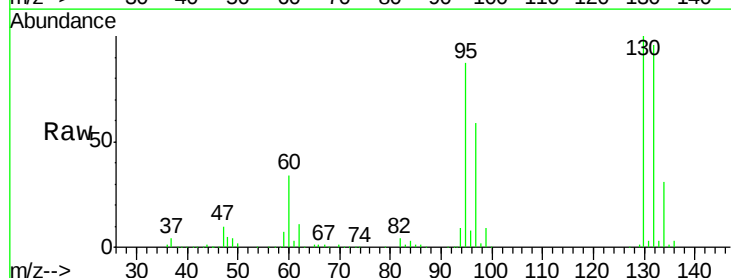
MMDadoda
 6/28/2019 10:36:28 AM

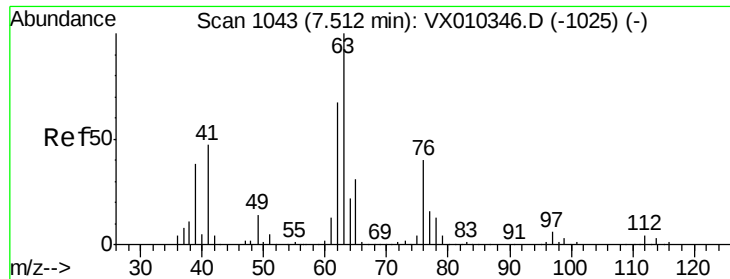


#44

Trichloroethene
 Concen: 48.368 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	180.8





#45

1,2-Dichloropropane

Concen: 47.657 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 107788

Ion Ratio Lower Upper

63 100

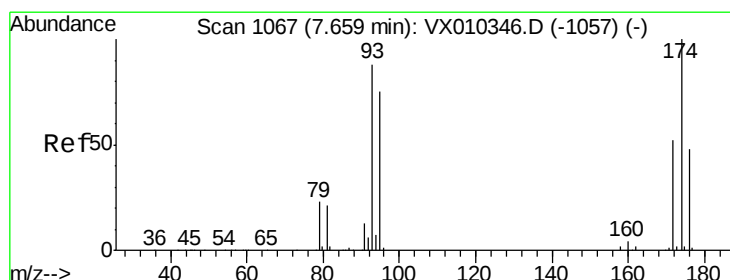
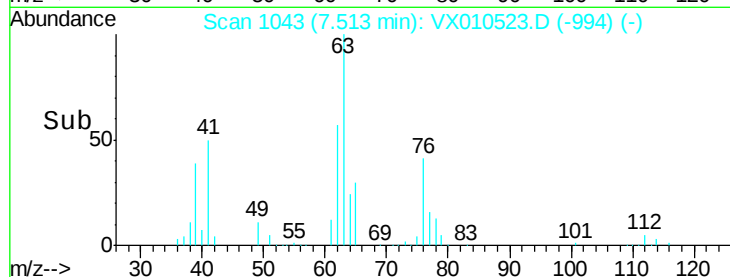
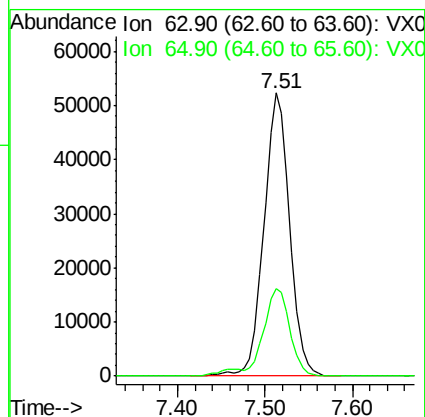
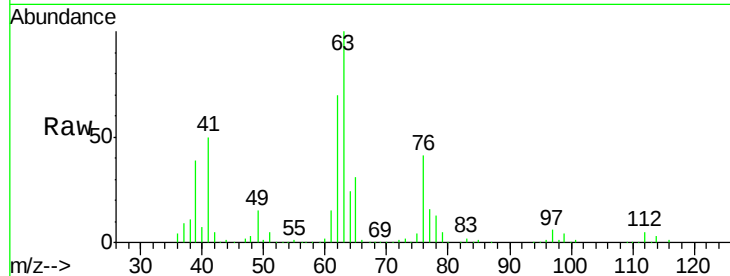
65 30.9 24.8 37.2

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#46

Dibromomethane

Concen: 48.559 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

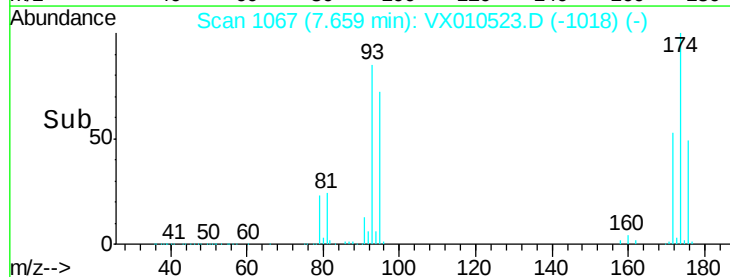
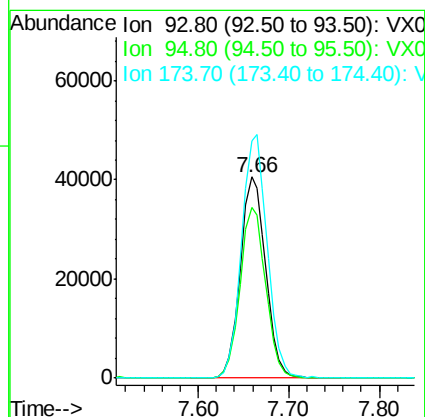
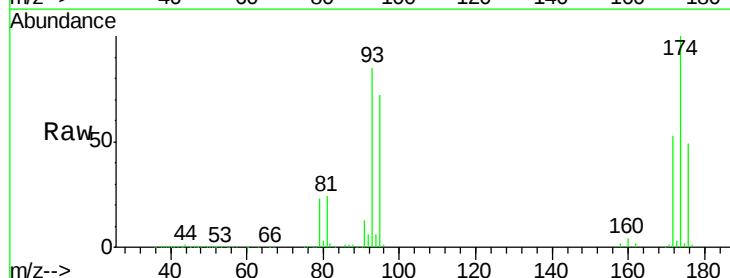
Tgt Ion: 93 Resp: 78799

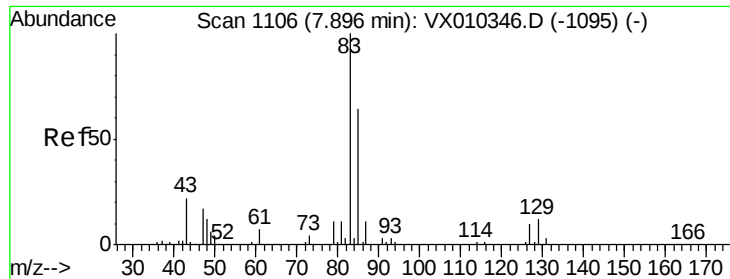
Ion Ratio Lower Upper

93 100

95 85.5 67.5 101.3

174 121.4 95.8 143.6





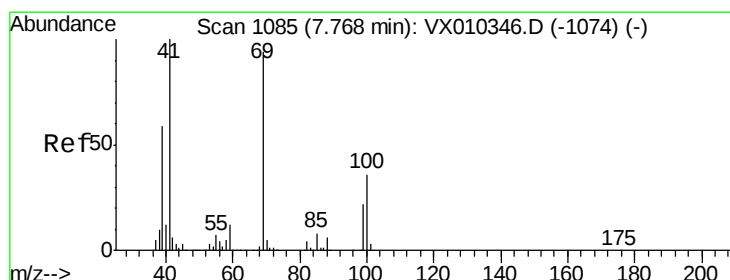
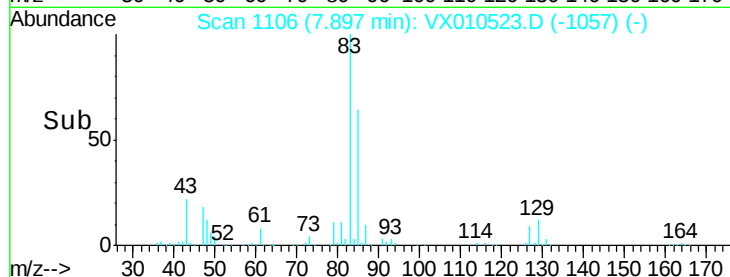
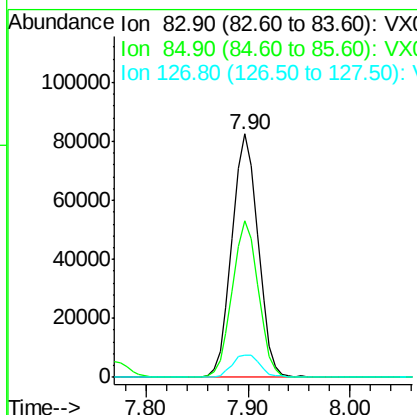
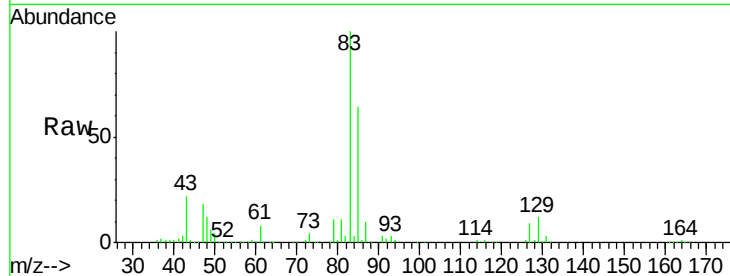
#47
Bromodichloromethane
Concen: 49.099 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	146015
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	9.3	7.8	11.8

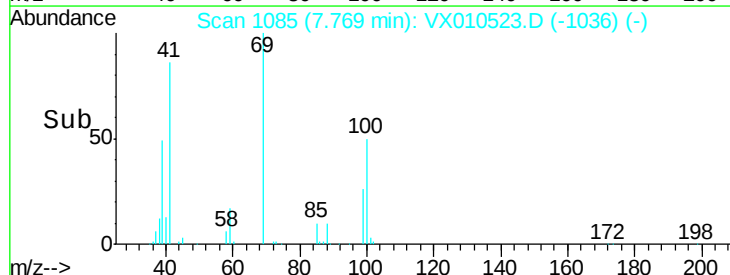
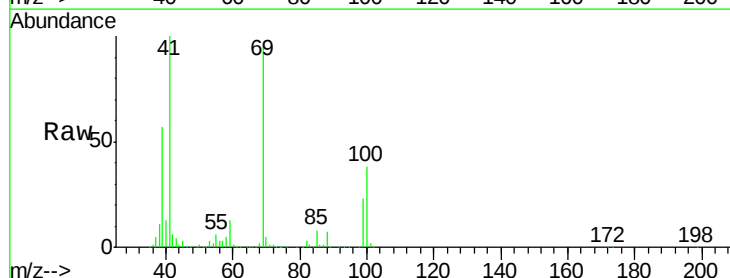
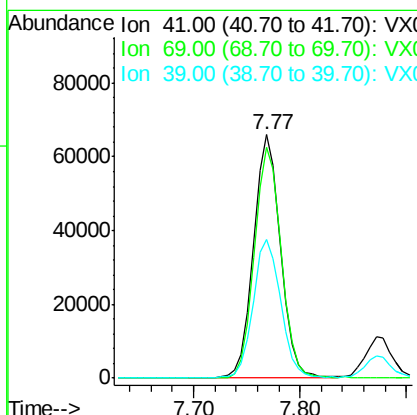
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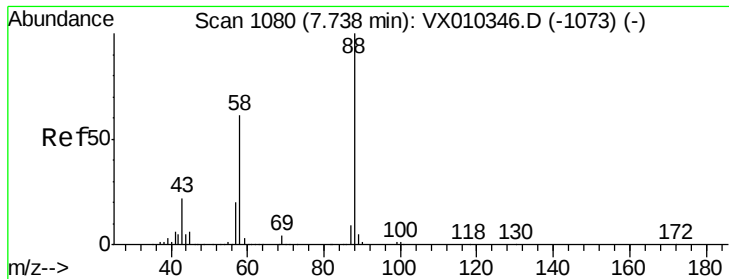
MMDadoda
6/28/2019 10:36:28 AM



#48
Methyl methacrylate
Concen: 51.357 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	41	Resp	116807
Ion Ratio	100	Lower	Upper
41	100		
69	95.3	76.1	114.1
39	58.2	47.6	71.4





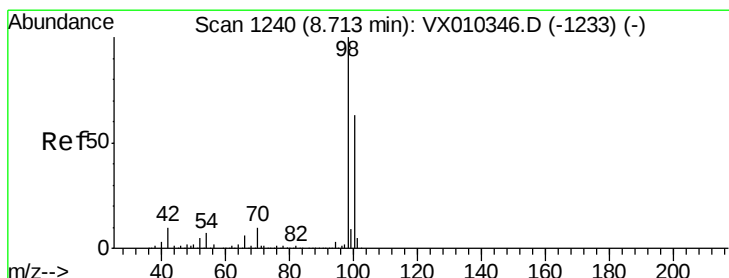
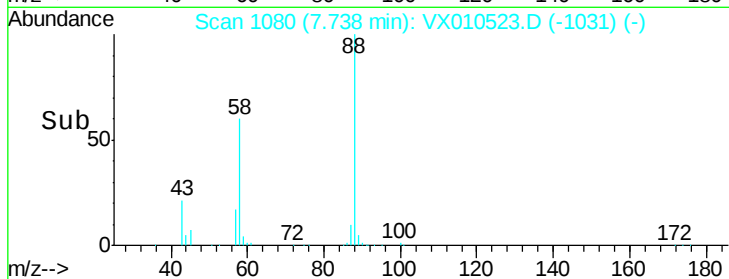
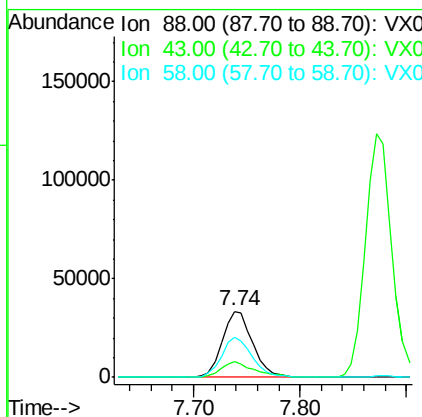
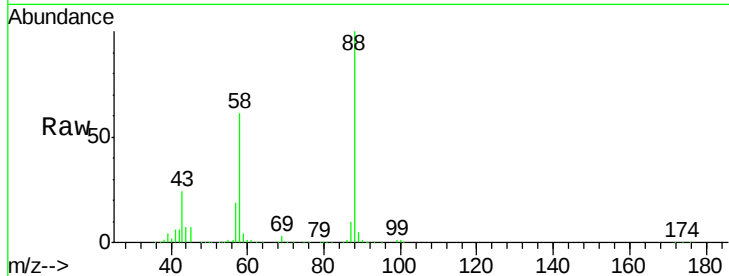
#49
 1,4-Dioxane
 Concen: 1018.831 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	66753
Ion	Ratio	Lower	Upper
88	100		
43	25.5	20.2	30.2
58	61.4	49.5	74.3

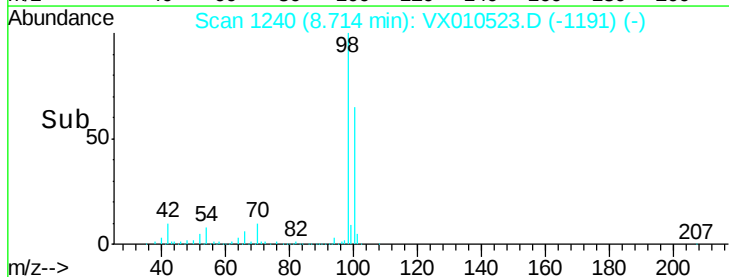
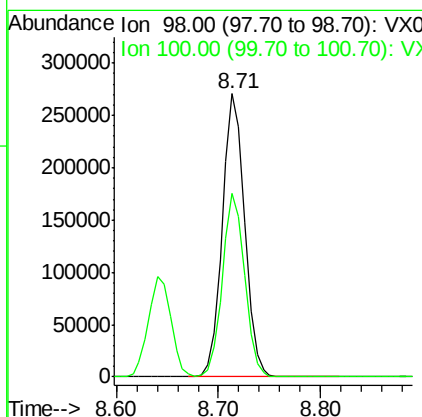
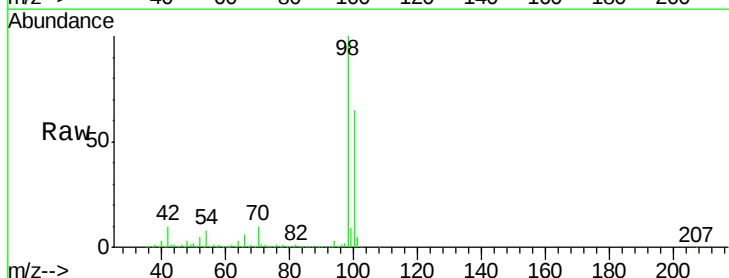
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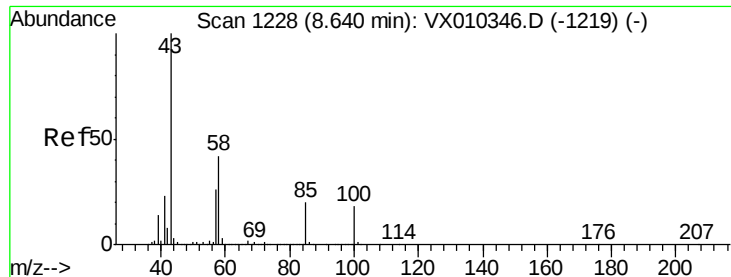
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#50
 Toluene-d8
 Concen: 48.569 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Tgt Ion	98	Resp	411292
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





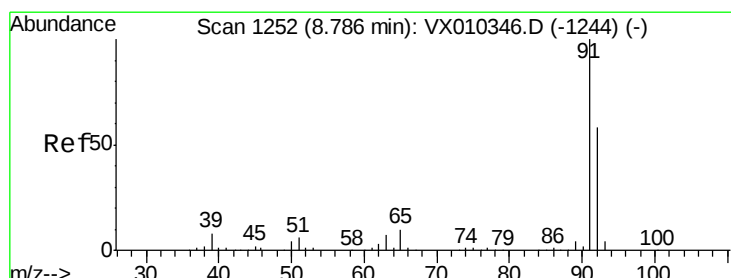
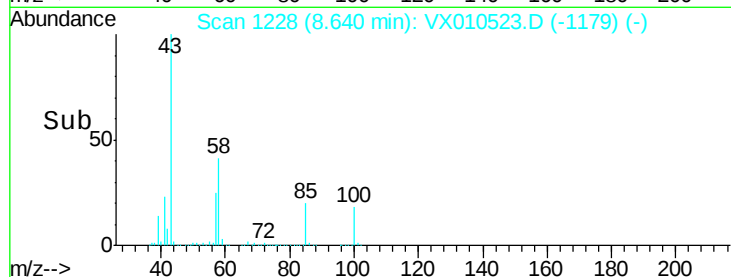
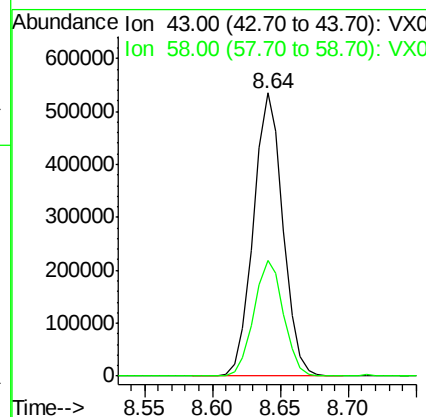
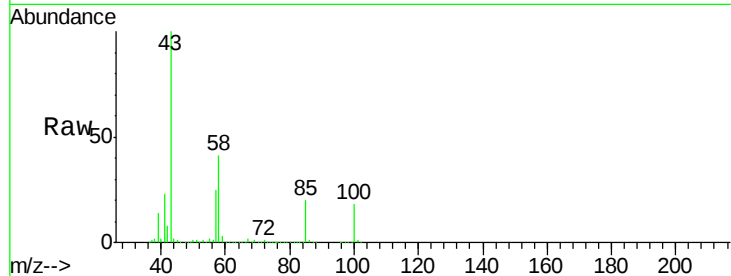
#51
4-Methyl-2-Pentanone
Concen: 260.282 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 814538
Ion Ratio Lower Upper
43 100
58 41.3 33.5 50.3

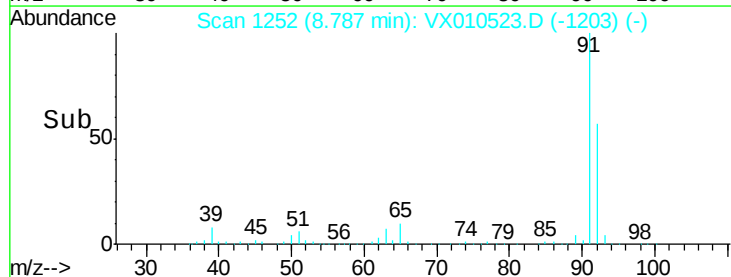
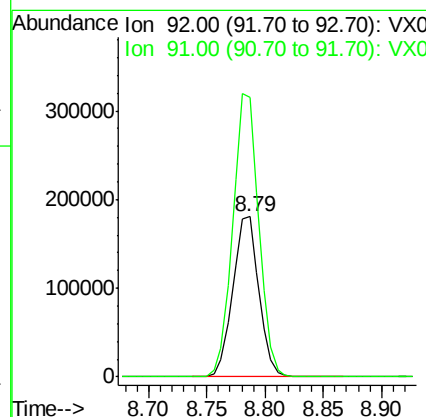
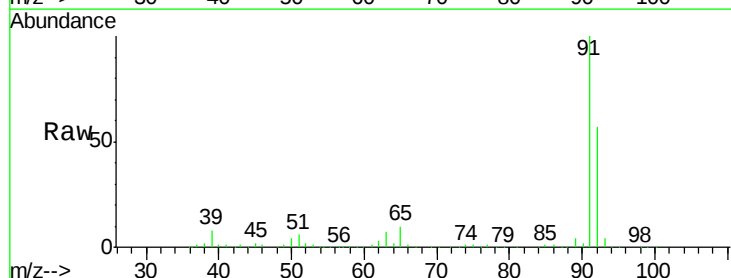
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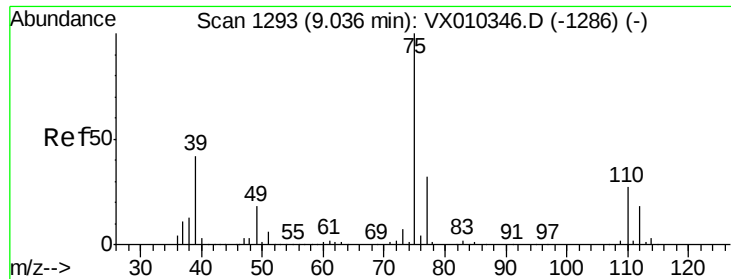
MMDadoda
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#52
Toluene
Concen: 47.960 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion: 92 Resp: 282871
Ion Ratio Lower Upper
92 100
91 175.5 139.8 209.6





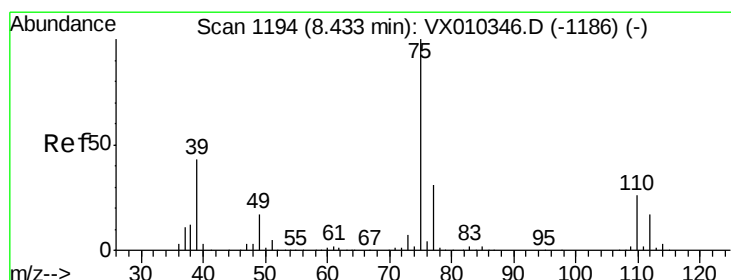
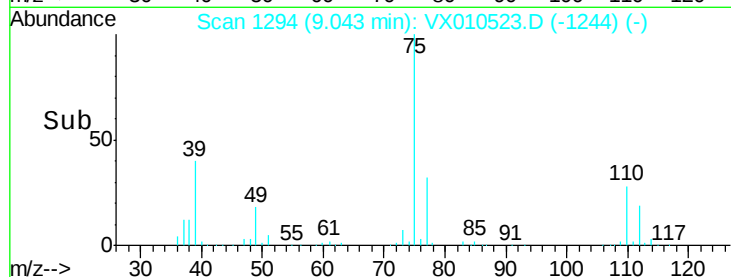
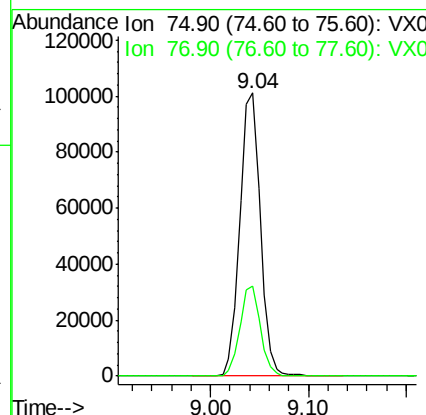
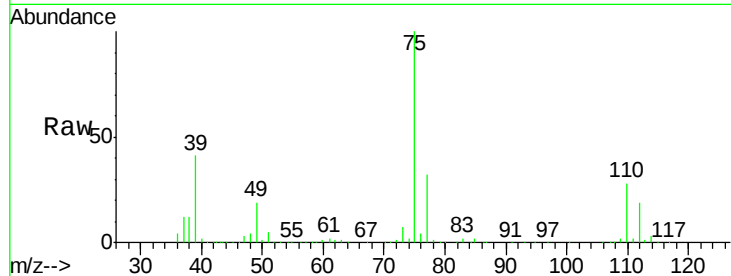
#53
t-1,3-Dichloropropene
Concen: 44.328 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 147795
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

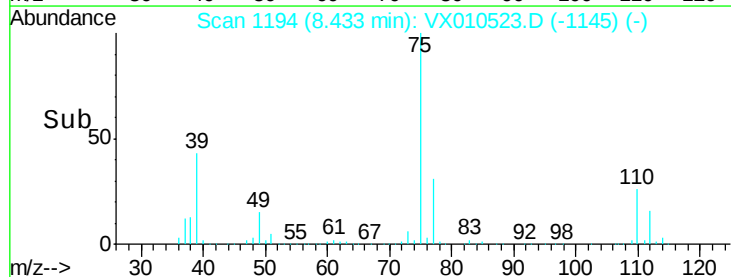
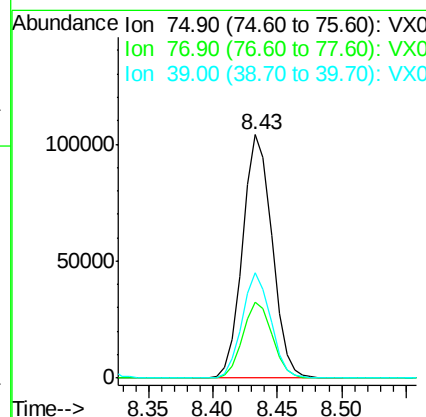
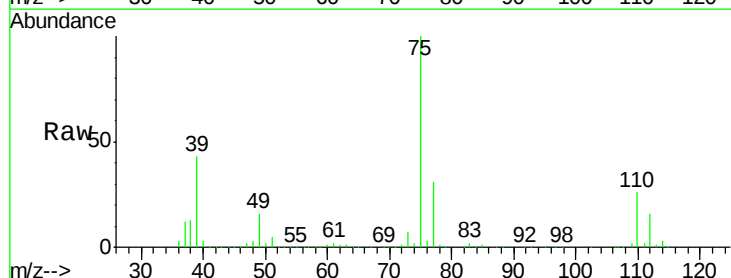
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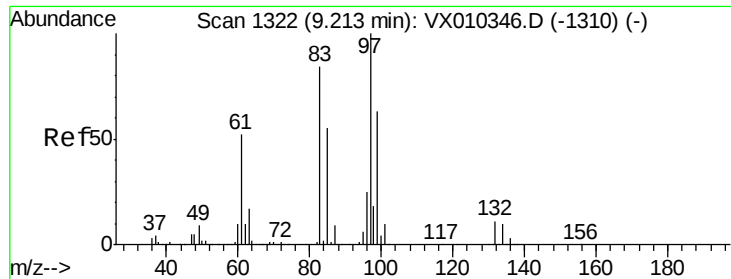
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#54
cis-1,3-Dichloropropene
Concen: 45.478 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion: 75 Resp: 164779
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
39 43.0 34.5 51.7





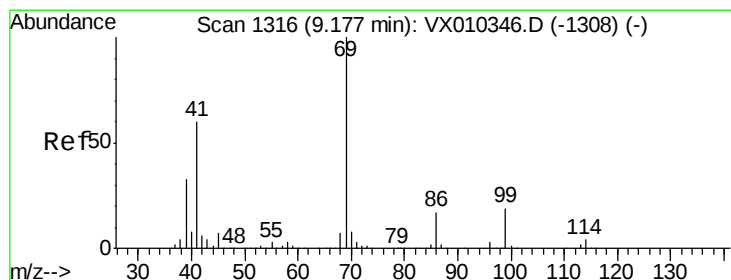
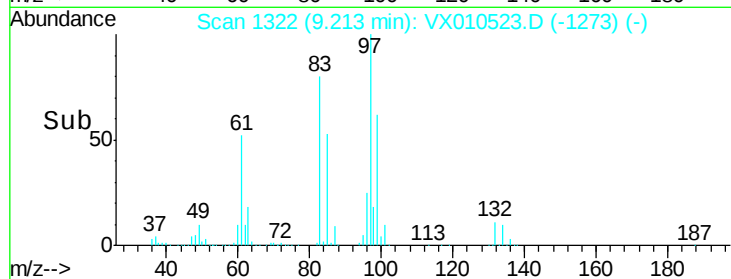
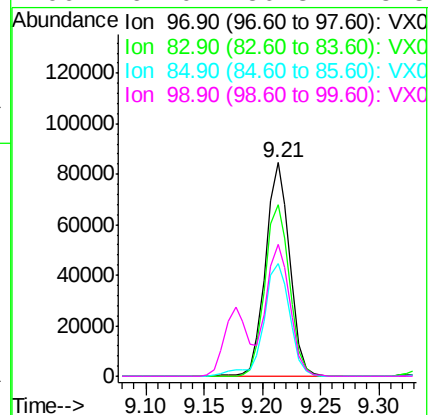
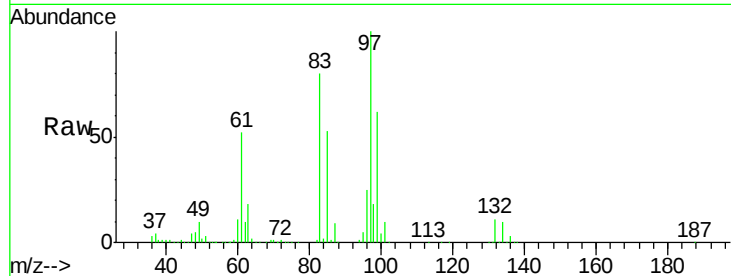
#55
 1,1,2-Trichloroethane
 Concen: 50.371 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	122527
Ion	Ratio	Lower	Upper
97	100		
83	80.0	67.4	101.0
85	53.0	43.8	65.8
99	62.0	50.3	75.5

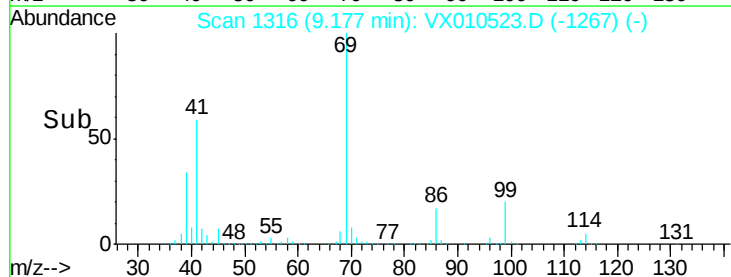
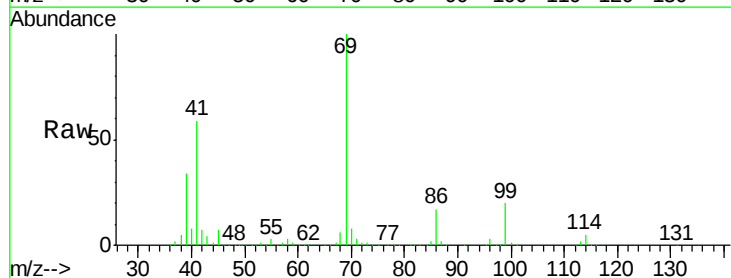
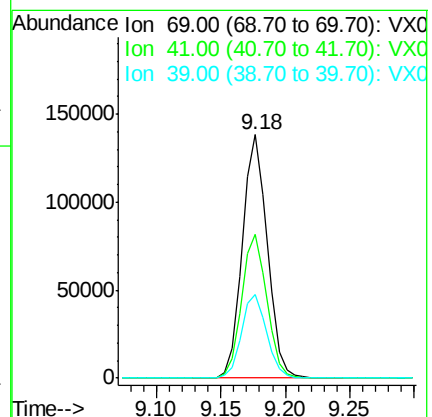
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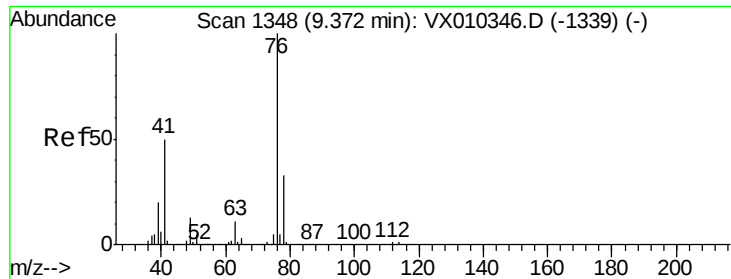
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#56
 Ethyl methacrylate
 Concen: 50.368 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Tgt Ion	69	Resp	185603
Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.1	70.7
39	34.6	26.6	40.0





#57

1,3-Dichloropropane

Concen: 50.174 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 189455

Ion Ratio Lower Upper

76 100

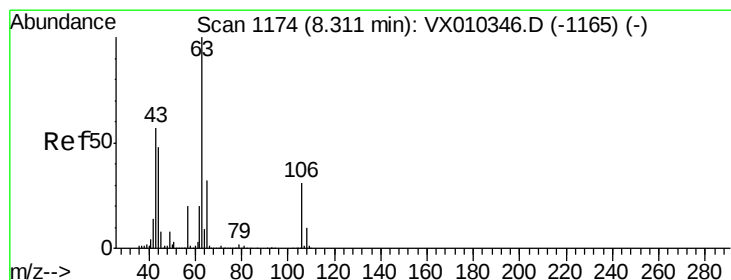
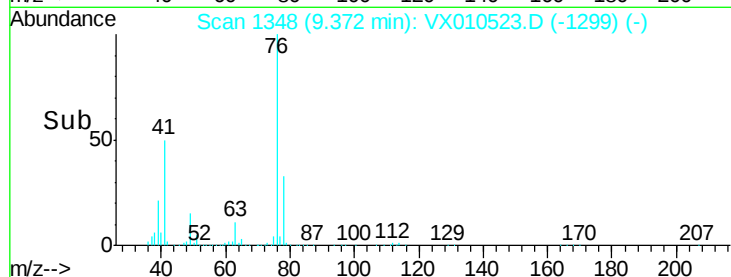
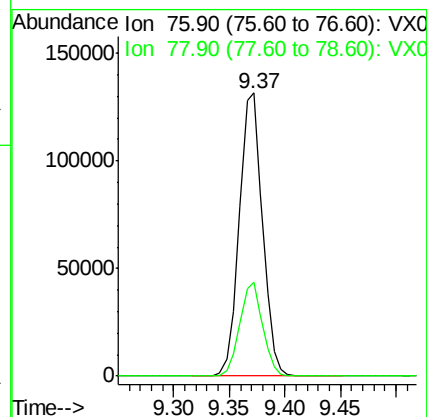
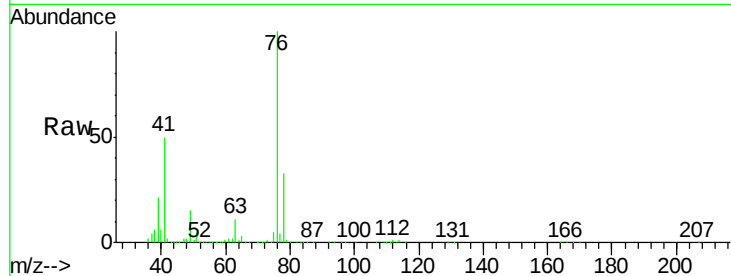
78 32.6 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 260.998 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010523.D

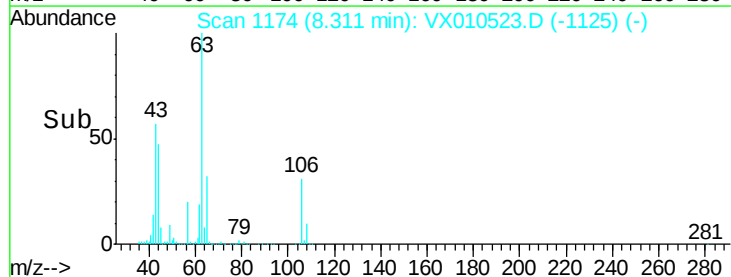
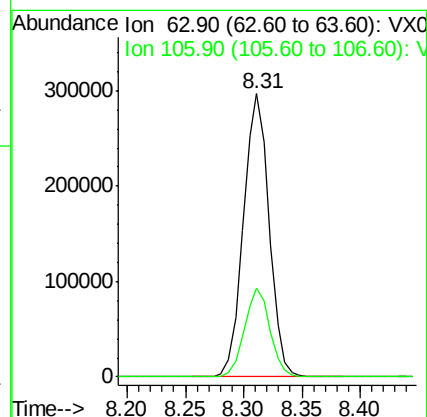
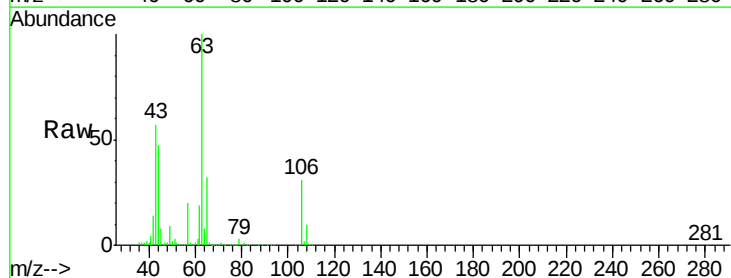
Acq: 28 Jun 2019 06:31

Tgt Ion: 63 Resp: 456764

Ion Ratio Lower Upper

63 100

106 30.9 24.7 37.1





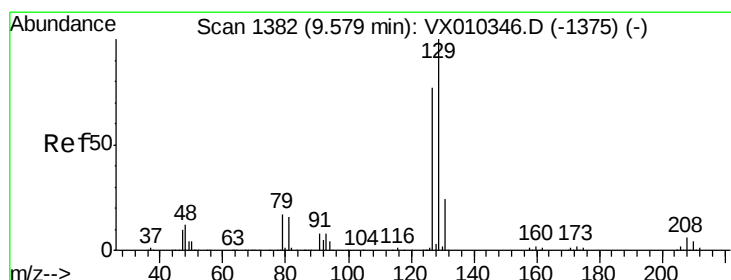
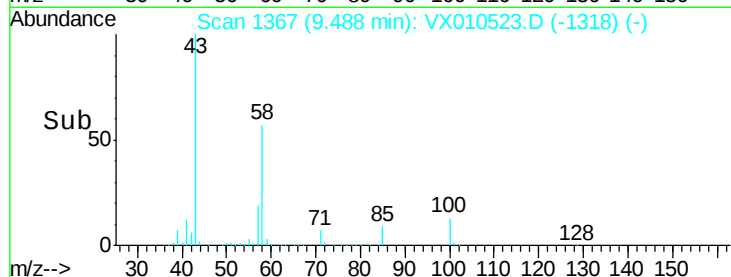
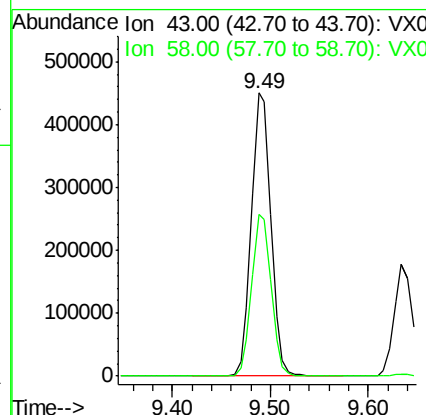
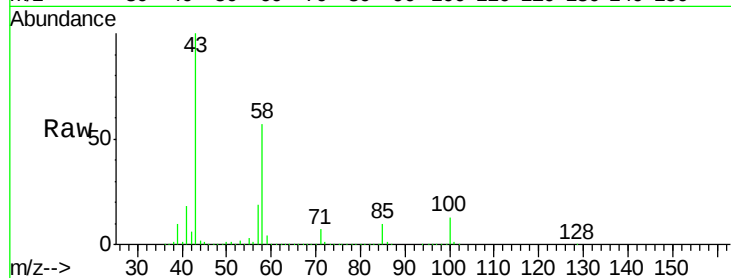
#59
2-Hexanone
Concen: 252.908 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 622909
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.1

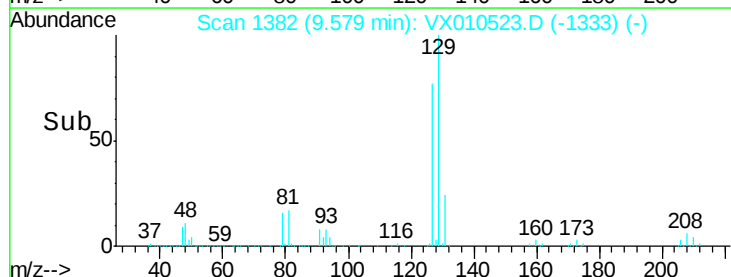
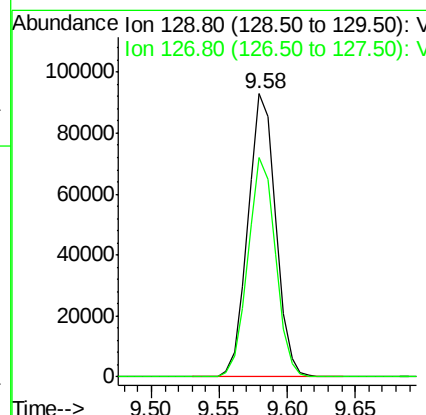
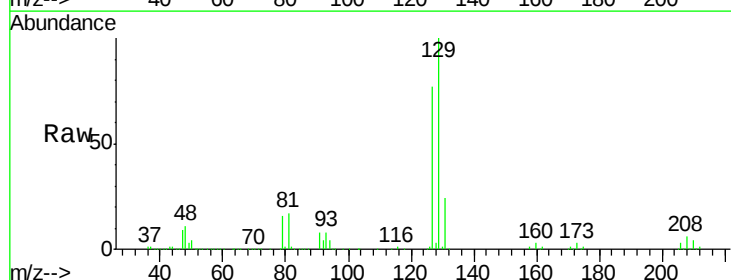
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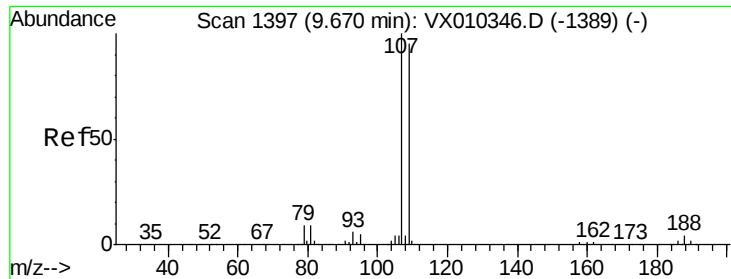
MMDadoda
6/28/2019 10:36:28 AM



#60
Dibromochloromethane
Concen: 48.866 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion: 129 Resp: 133092
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 50.318 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 132114

Ion Ratio Lower Upper

107 100

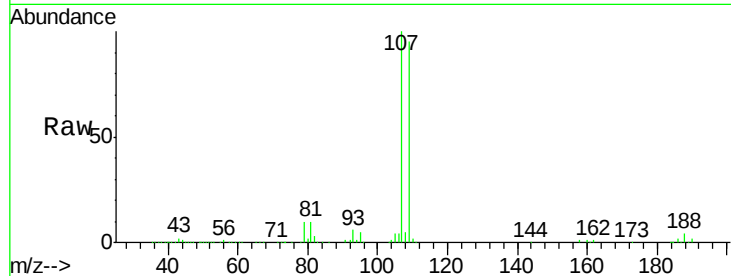
109 94.5 75.8 113.6

Manual Integrations

APPROVED

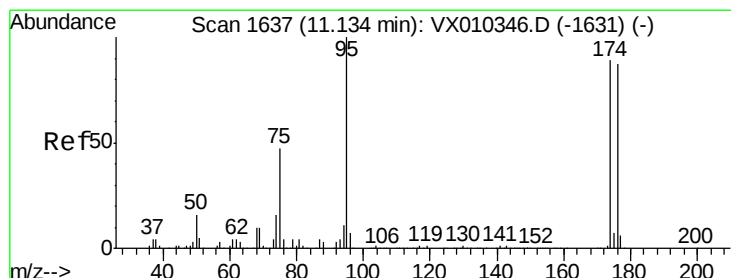
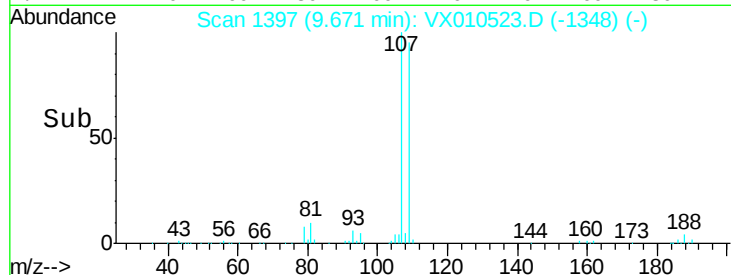
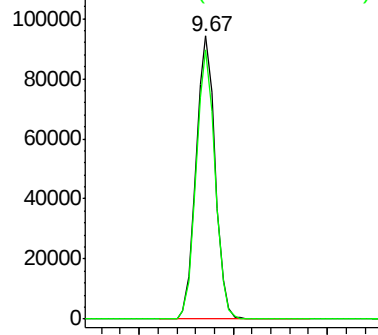
MMDadoda

6/28/2019 10:36:28 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.104 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

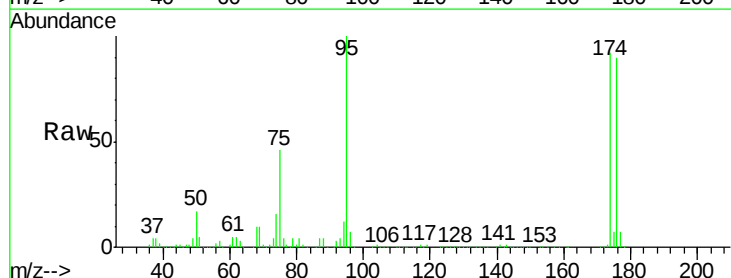
Tgt Ion: 95 Resp: 150123

Ion Ratio Lower Upper

95 100

174 96.3 0.0 187.6

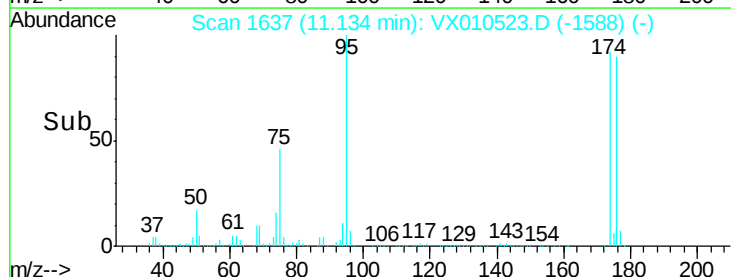
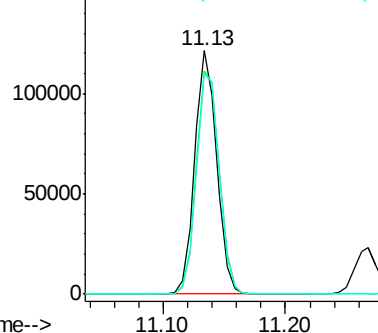
176 93.9 0.0 184.0

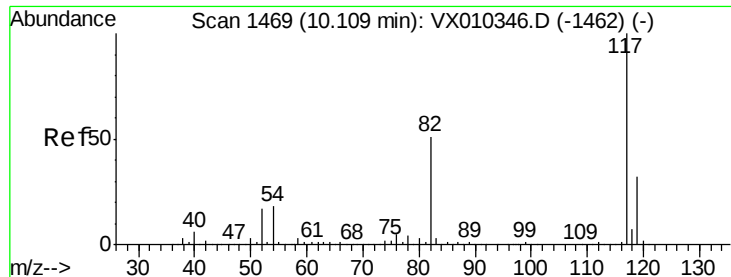


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





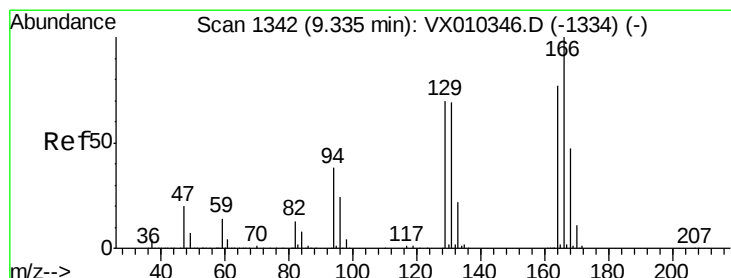
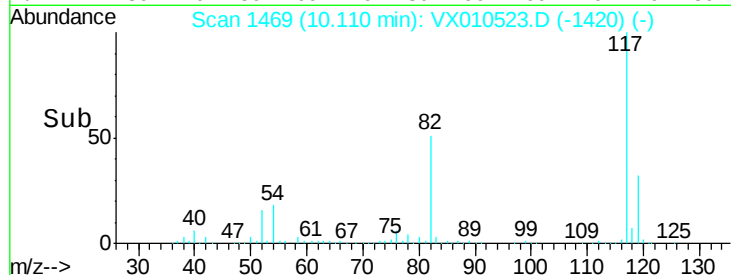
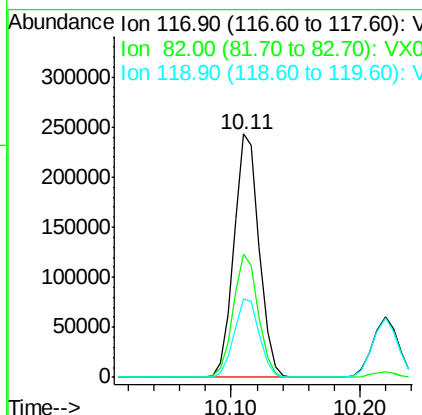
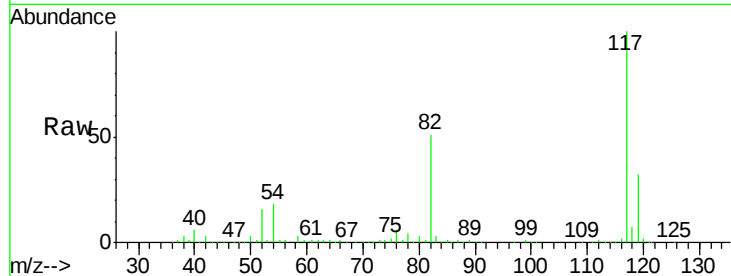
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.2	61.8
119	32.5	25.5	38.3

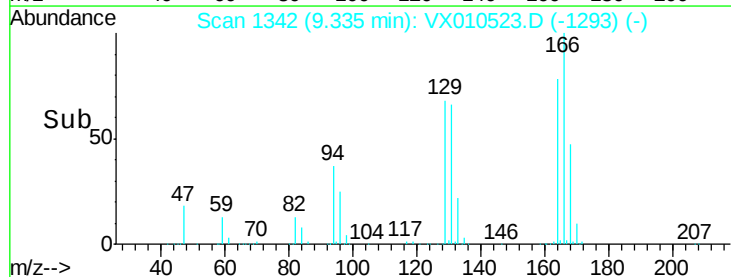
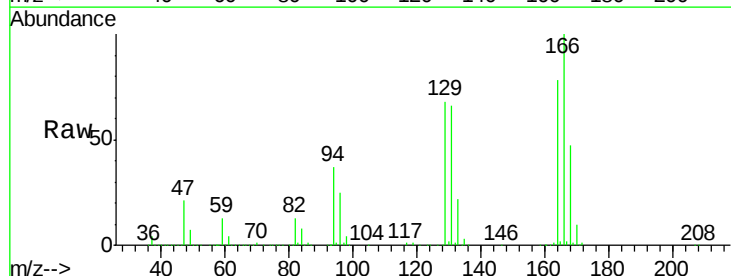
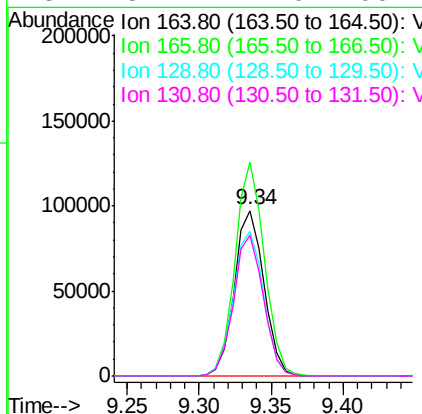
Manual Integrations
APPROVED

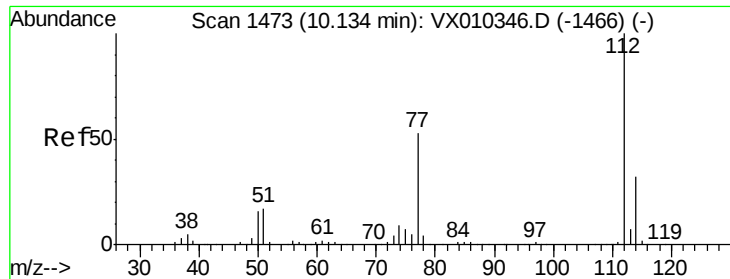
MMDadoda
6/28/2019 10:36:28 AM



#64
Tetrachloroethene
Concen: 52.288 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.6	155.4
129	87.6	73.0	109.4
131	84.7	71.0	106.4





#65

Chlorobenzene

Concen: 48.556 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 326496

Ion Ratio Lower Upper

112 100

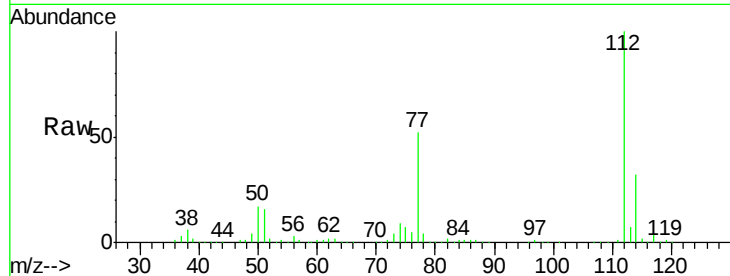
114 31.8 25.4 38.2

Manual Integrations

APPROVED

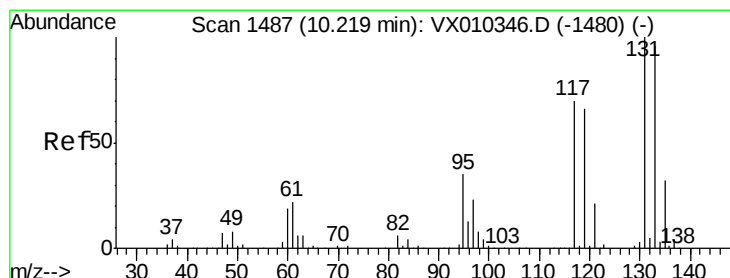
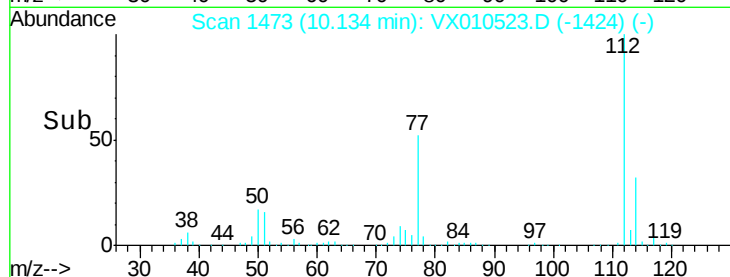
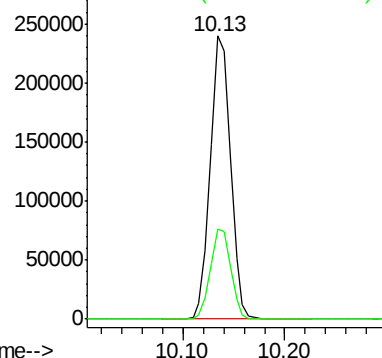
MMDadoda

6/28/2019 10:36:28 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.706 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

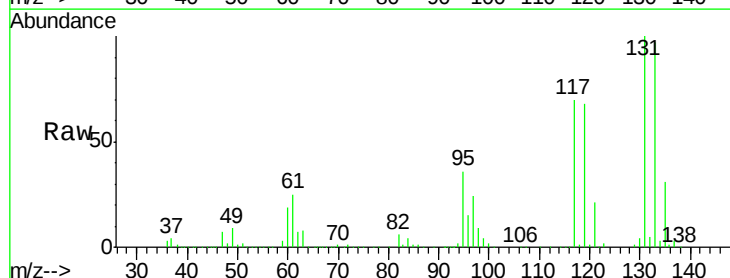
Tgt Ion:131 Resp: 121744

Ion Ratio Lower Upper

131 100

133 95.8 47.7 143.1

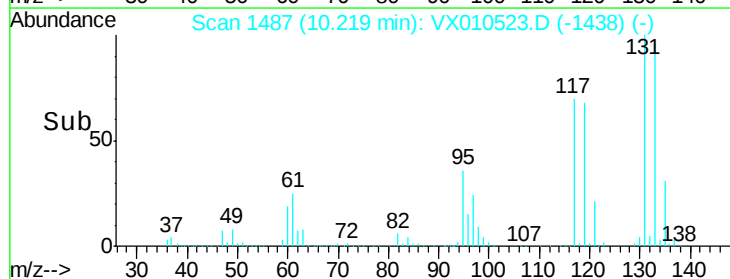
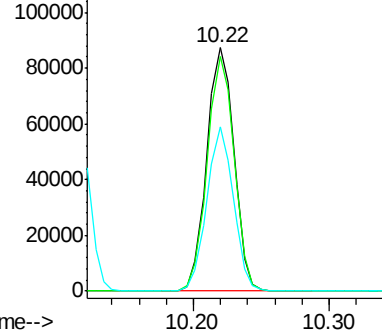
119 66.0 32.6 97.7

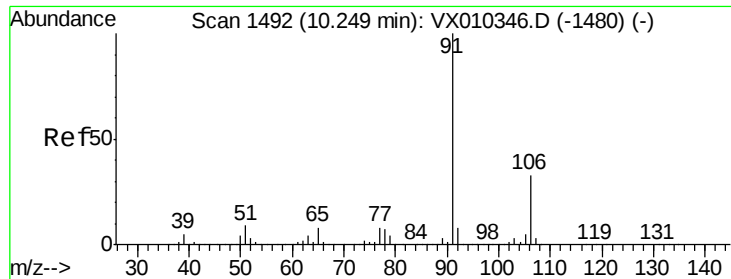


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





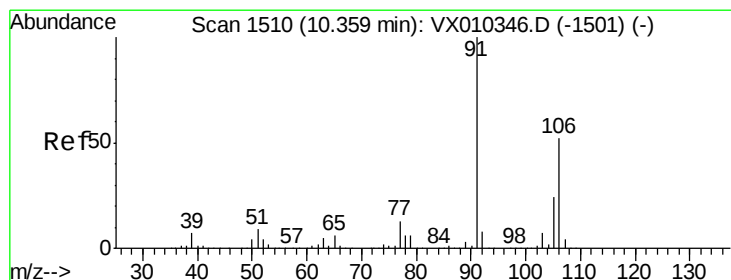
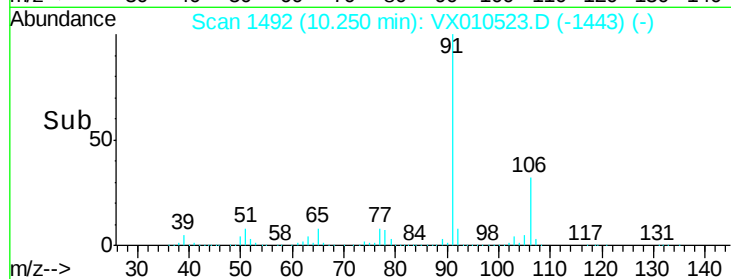
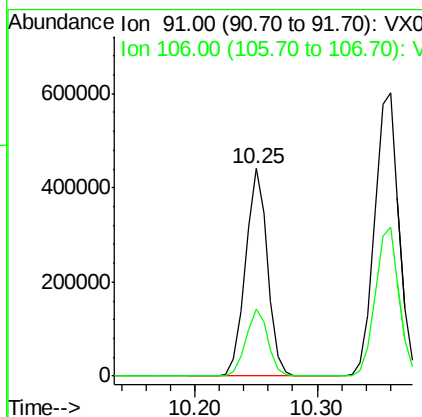
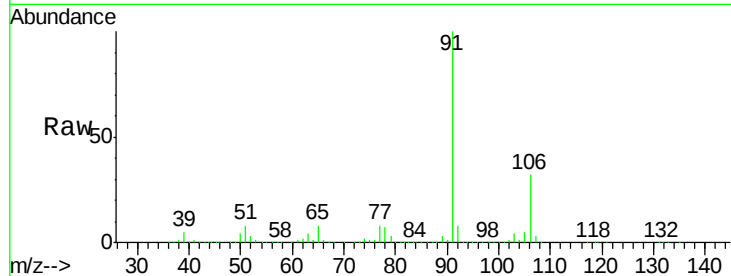
#67
Ethyl Benzene
Concen: 48.203 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 547190
Ion Ratio Lower Upper
91 100
106 32.1 26.2 39.2

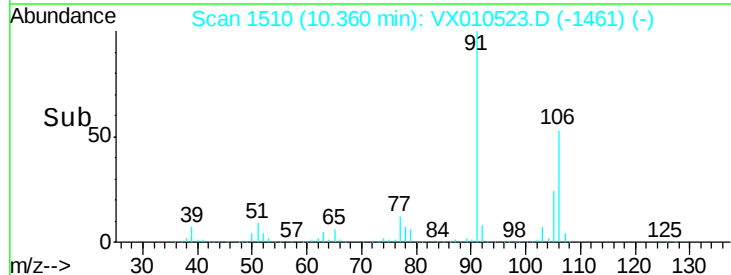
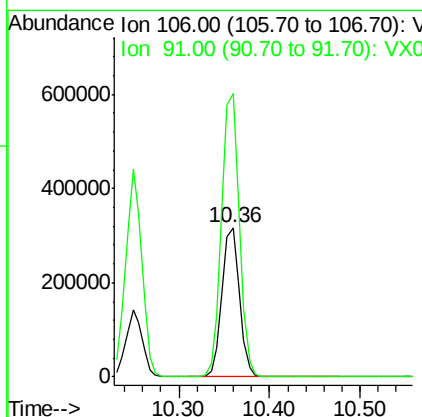
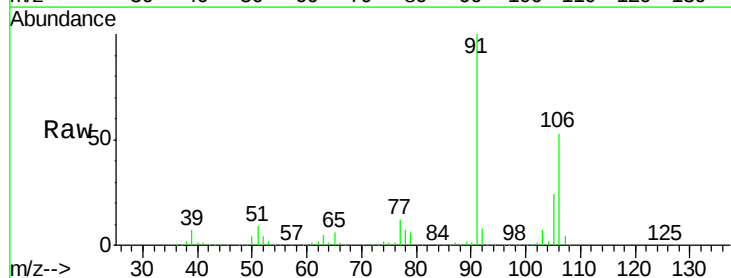
Manual Integrations
APPROVED

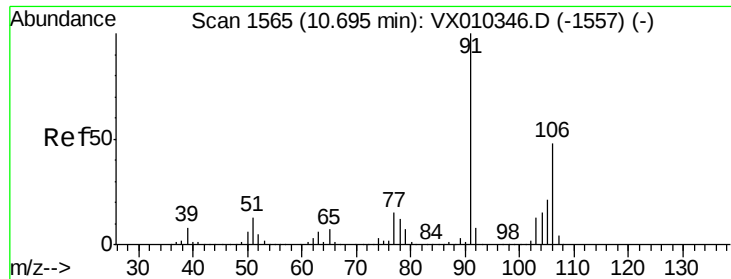
MMDadoda
6/28/2019 10:36:28 AM



#68
m/p-Xylenes
Concen: 97.459 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion: 106 Resp: 428677
Ion Ratio Lower Upper
106 100
91 193.2 155.3 232.9





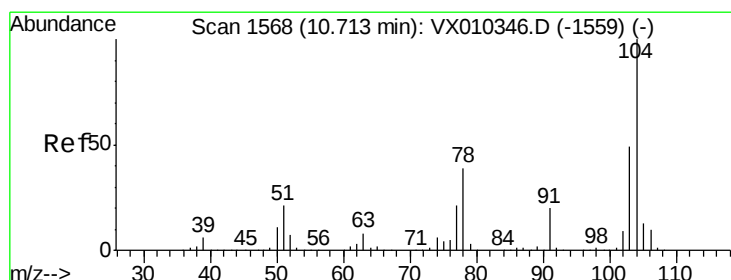
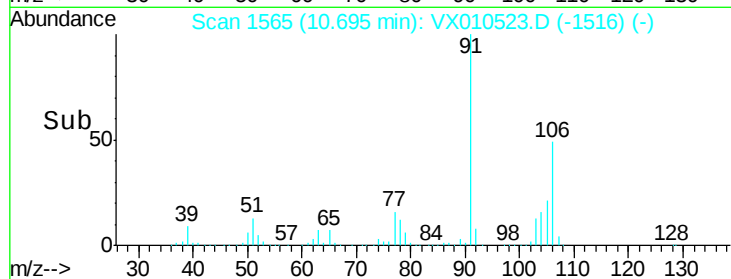
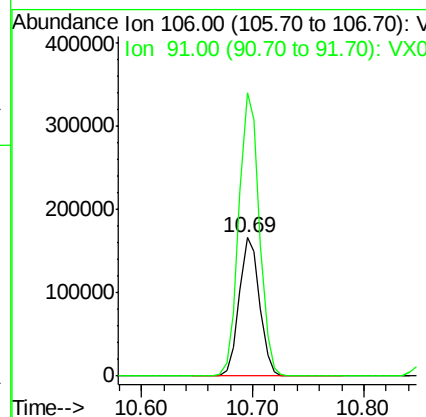
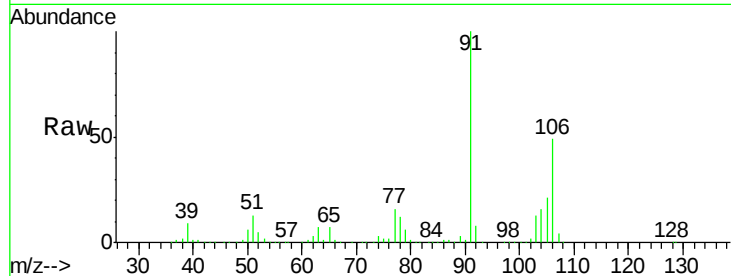
#69
o-Xylene
Concen: 48.843 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 211275
Ion Ratio Lower Upper
106 100
91 205.1 102.7 308.1

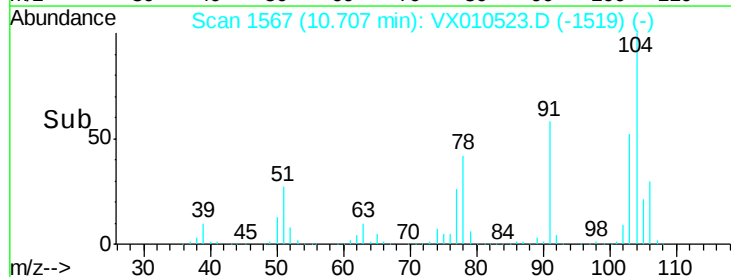
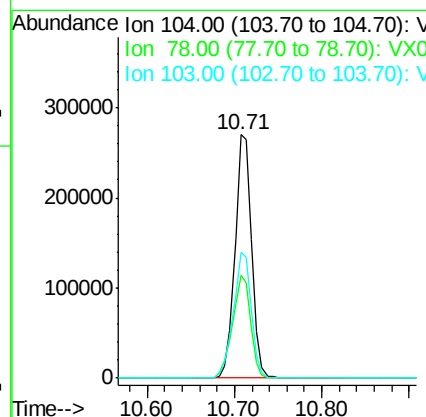
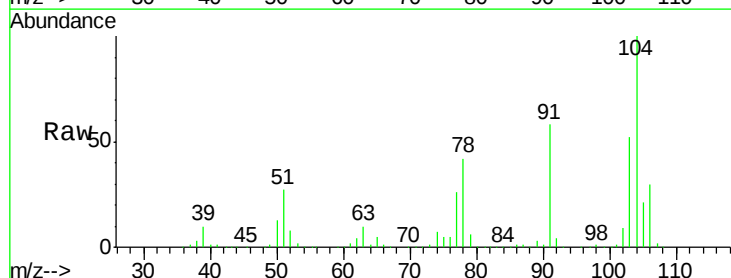
Manual Integrations
APPROVED

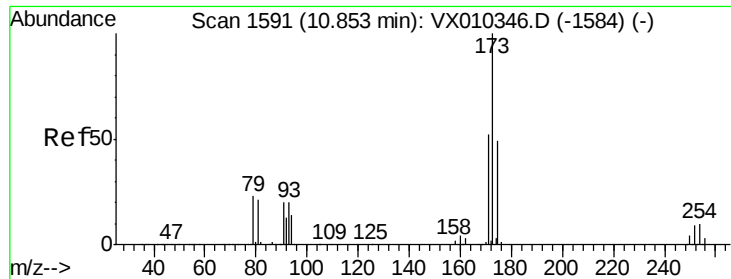
MMDadoda
6/28/2019 10:36:28 AM



#70
Styrene
Concen: 49.665 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion:104 Resp: 360280
Ion Ratio Lower Upper
104 100
78 45.3 36.2 54.2
103 55.6 44.2 66.4





#71

Bromoform

Concen: 49.283 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 104971

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

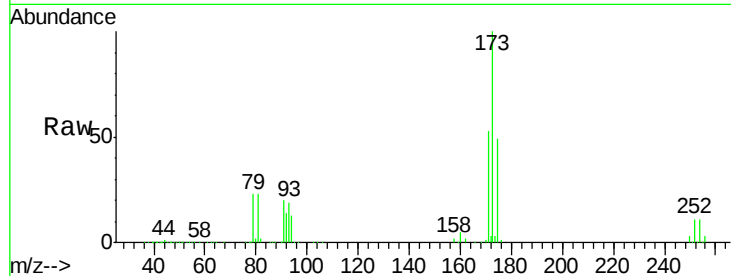
254 0.1 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

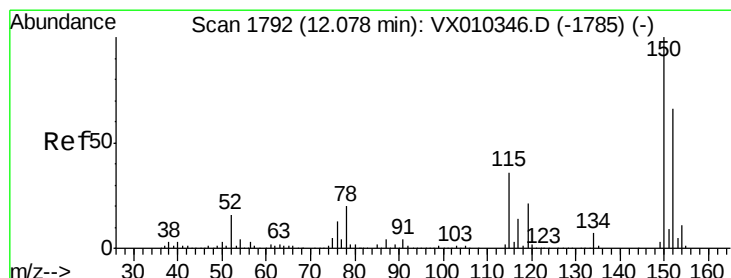
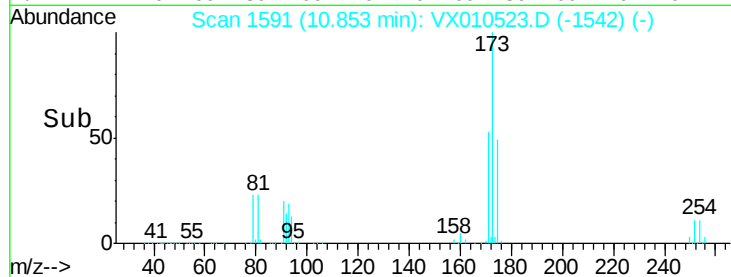
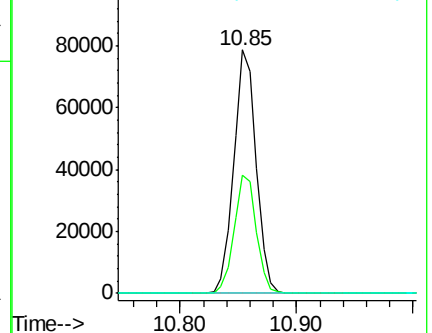
6/28/2019 10:36:28 AM



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: VX010523.D

Acq: 28 Jun 2019 06:31

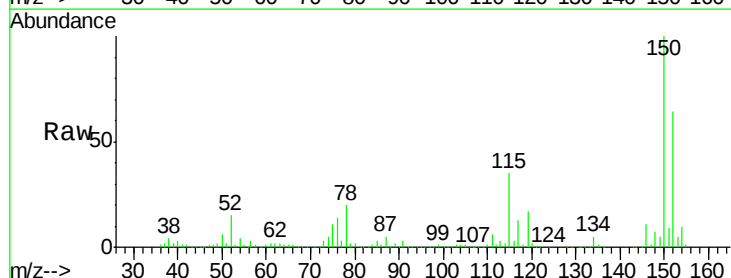
Tgt Ion:152 Resp: 171411

Ion Ratio Lower Upper

152 100

115 75.7 38.6 115.7

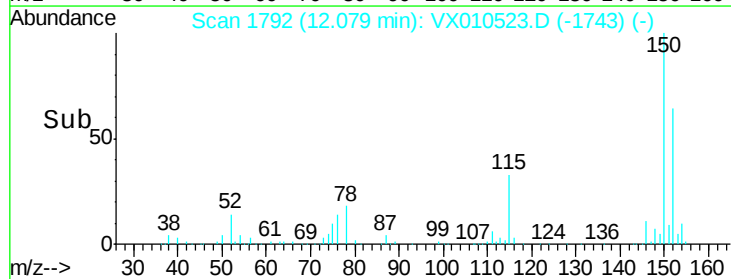
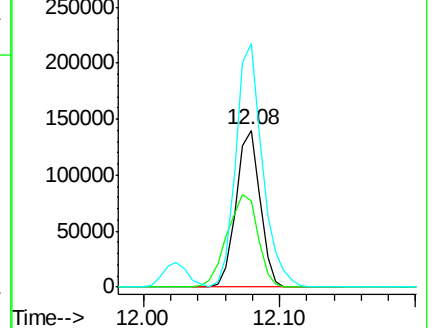
150 172.8 0.0 347.4



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: 47.948 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 557129

Ion Ratio Lower Upper

105 100

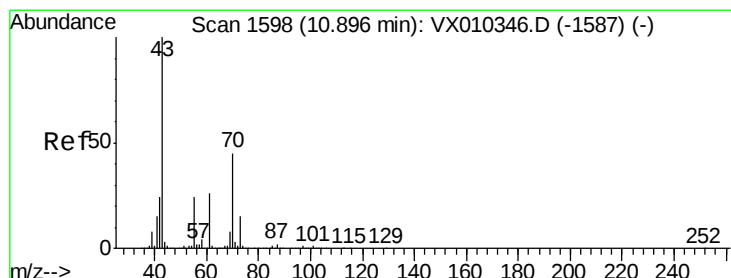
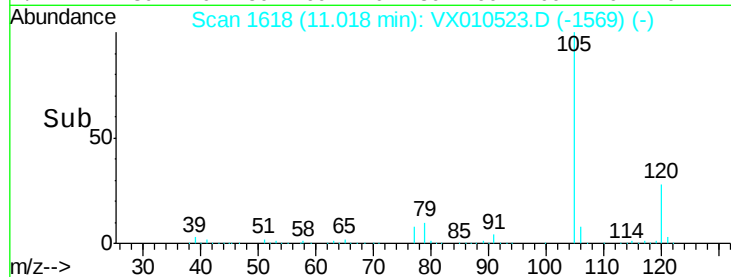
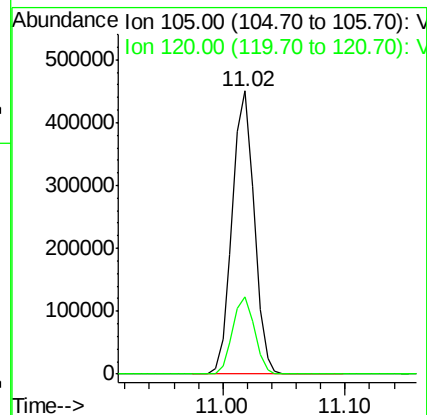
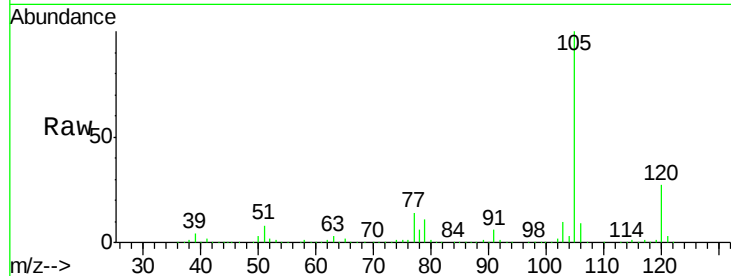
120 27.7 14.1 42.4

Manual Integrations

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6/28/2019 10:36:28 AM



#74

N-ethyl acetate

Concen: 51.114 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Tgt Ion: 43 Resp: 224458

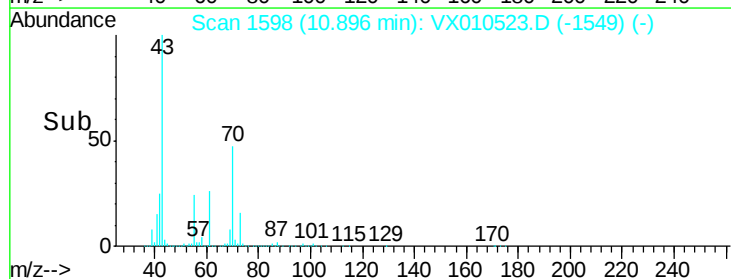
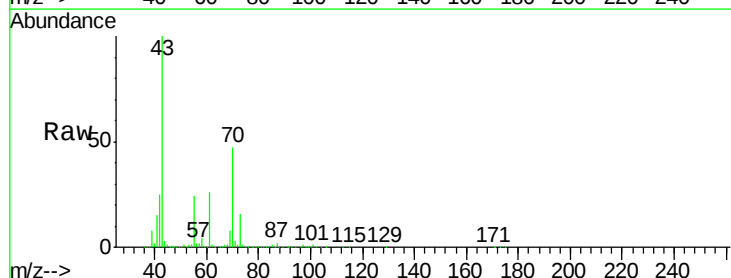
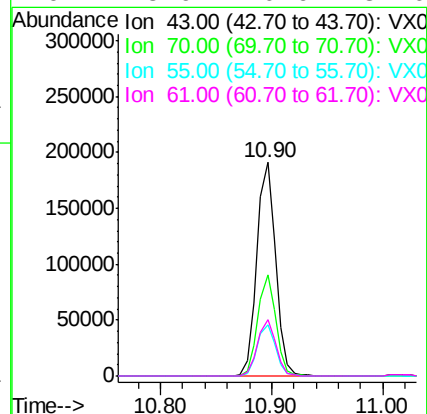
Ion Ratio Lower Upper

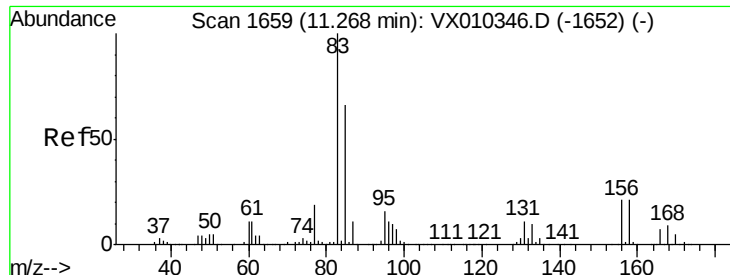
43 100

70 46.0 36.6 54.8

55 24.0 18.7 28.1

61 25.9 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.828 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

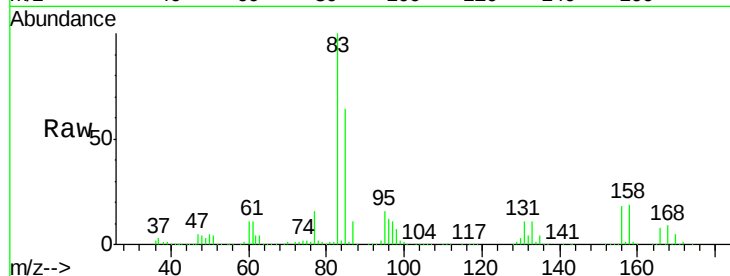
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	187894
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	64.7	32.3	96.8

Manual Integrations
APPROVED

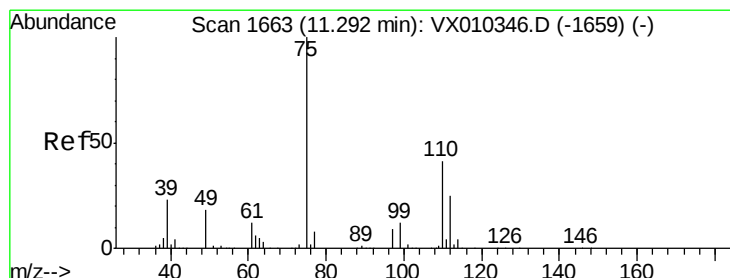
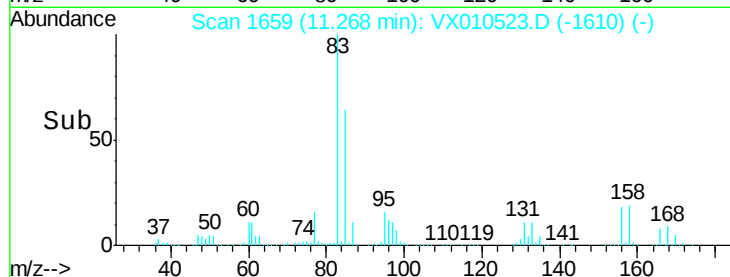
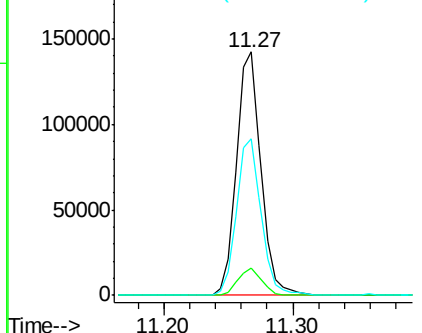
MMDadoda
6/28/2019 10:36:28 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.550 ug/l m

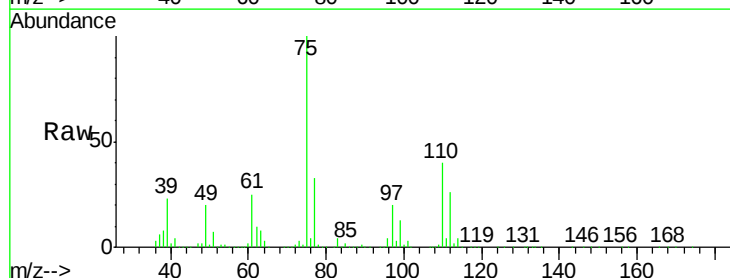
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010523.D

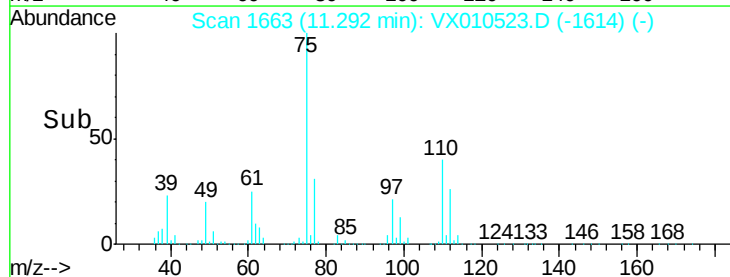
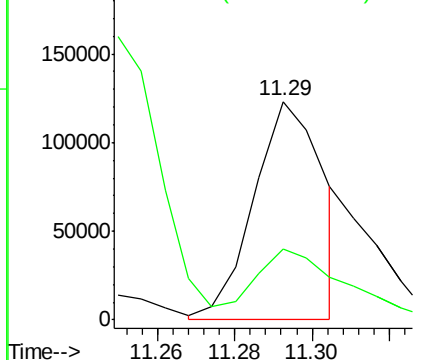
Acq: 28 Jun 2019 06:31

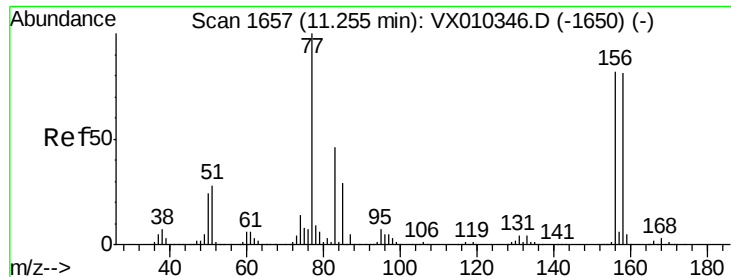
Tgt Ion:	75	Resp:	154773
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.544 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 157500

Ion Ratio Lower Upper

156 100

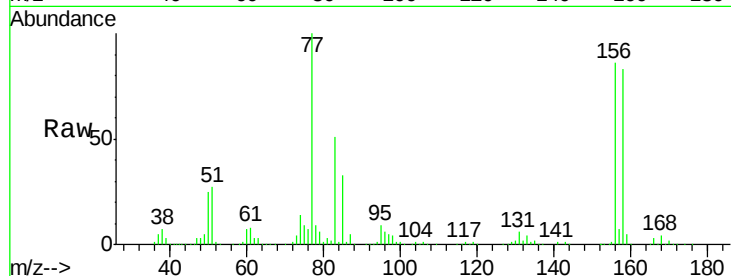
77 129.2 66.3 198.7

158 98.0 48.9 146.7

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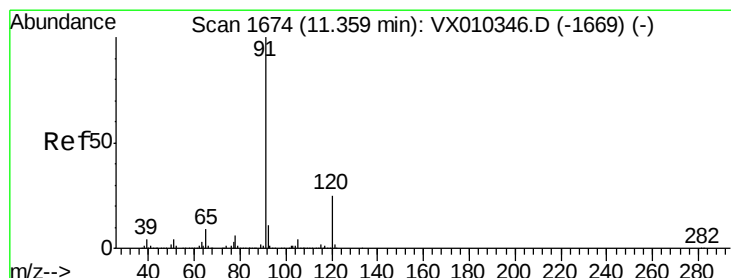
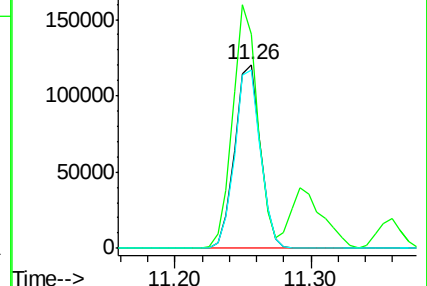
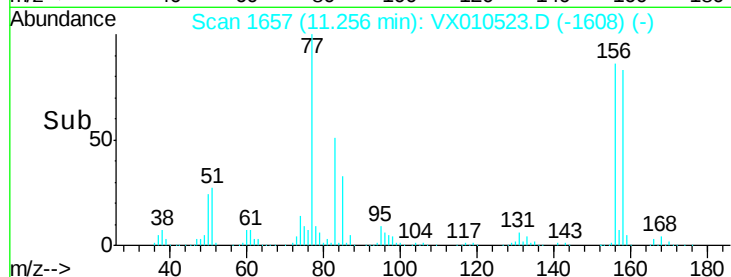
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.194 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010523.D

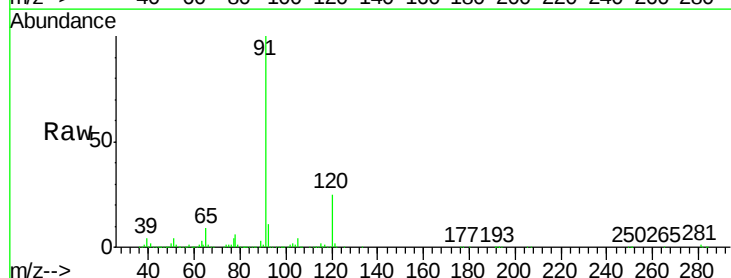
Acq: 28 Jun 2019 06:31

Tgt Ion: 91 Resp: 615458

Ion Ratio Lower Upper

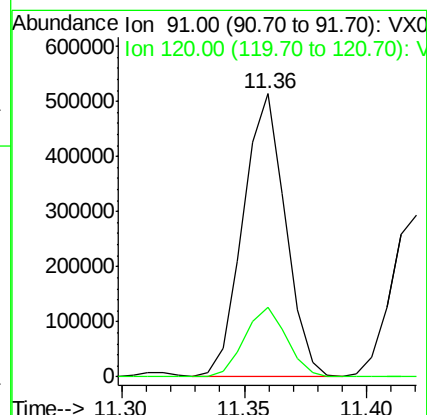
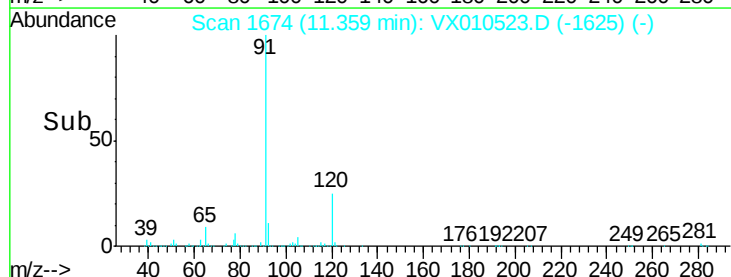
91 100

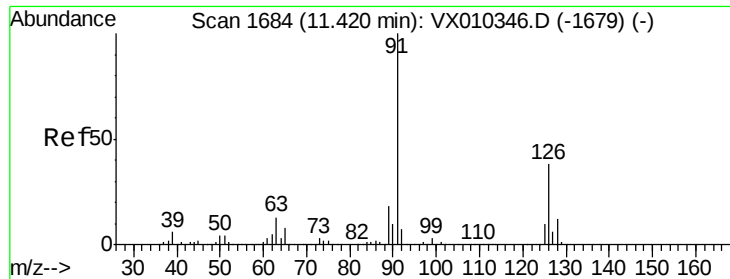
120 24.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





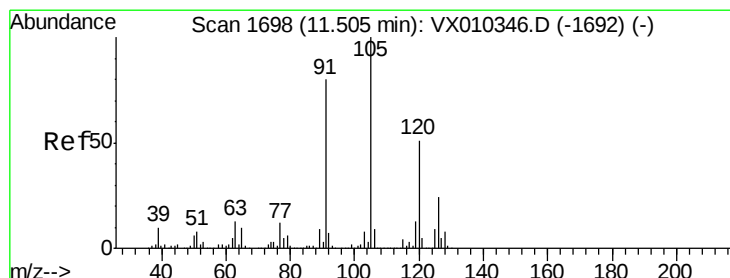
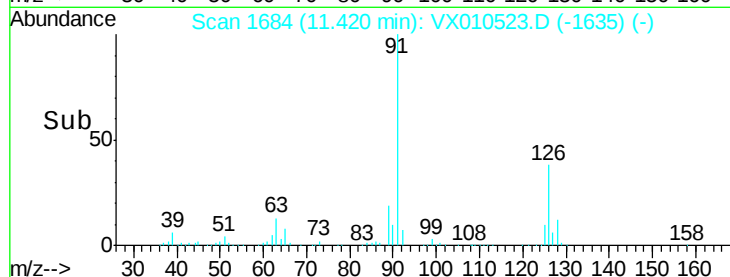
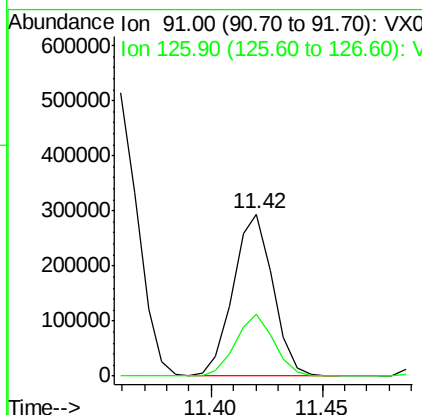
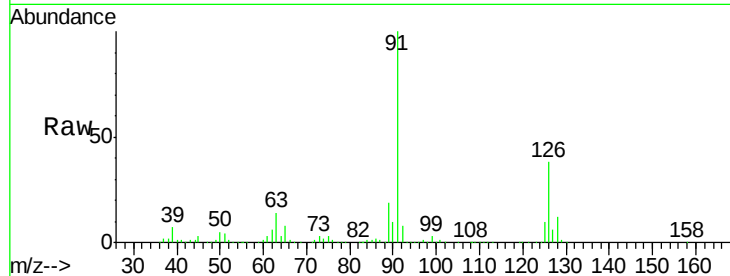
#79
2-Chlorotoluene
Concen: 47.879 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 364090
Ion Ratio Lower Upper
91 100
126 37.2 18.7 56.1

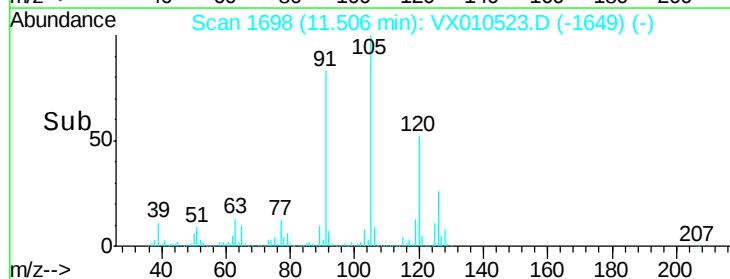
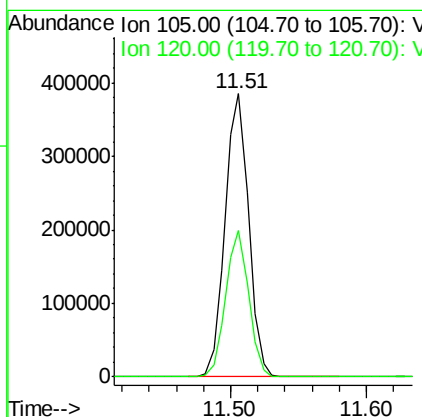
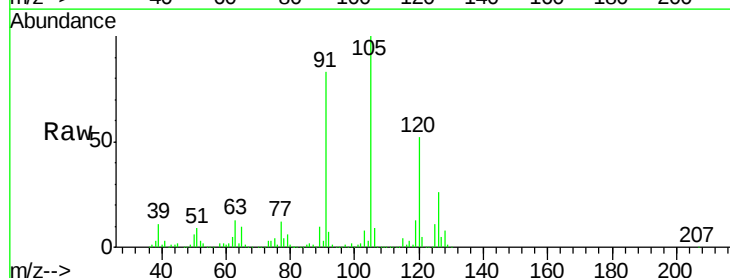
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#80
1,3,5-Trimethylbenzene
Concen: 48.111 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion: 105 Resp: 460855
Ion Ratio Lower Upper
105 100
120 50.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 37.455 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

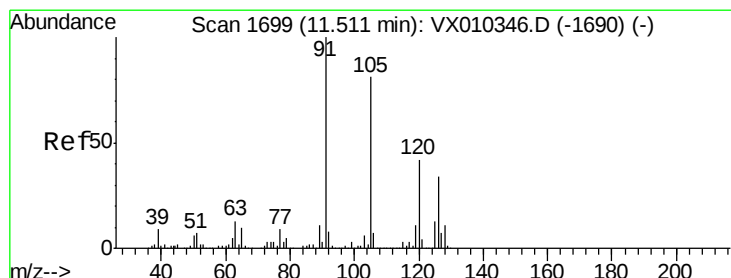
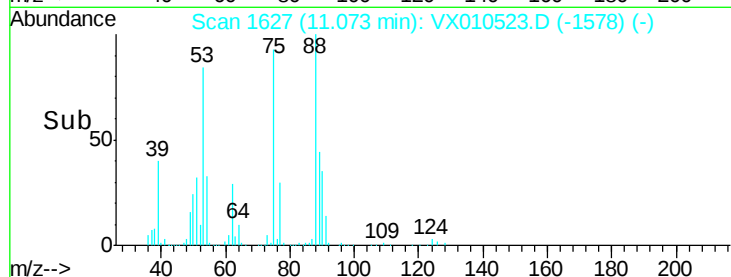
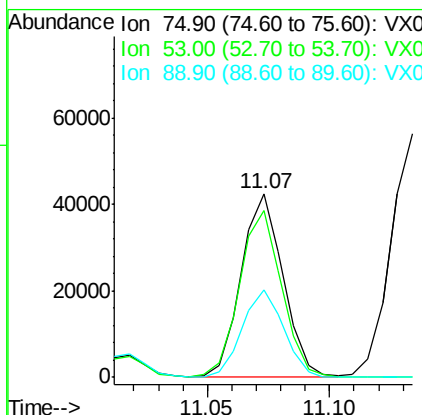
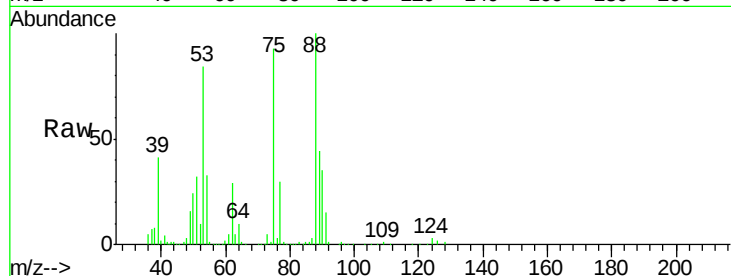
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	50149
Ion	Ratio	Lower	Upper
75	100		
53	91.6	66.1	99.1
89	47.9	37.8	56.6

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#82

4-Chlorotoluene

Concen: 47.995 ug/l

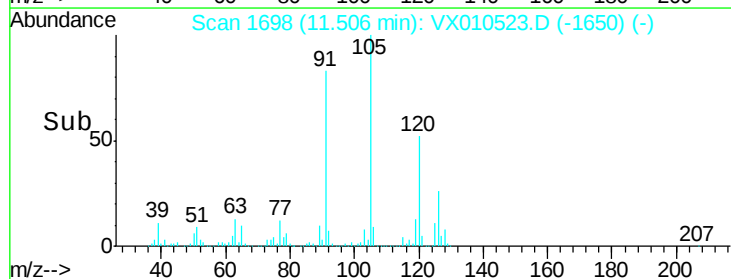
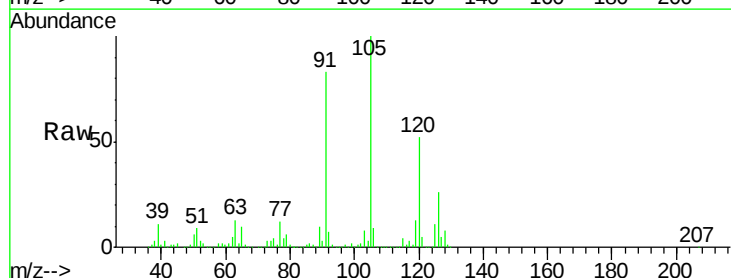
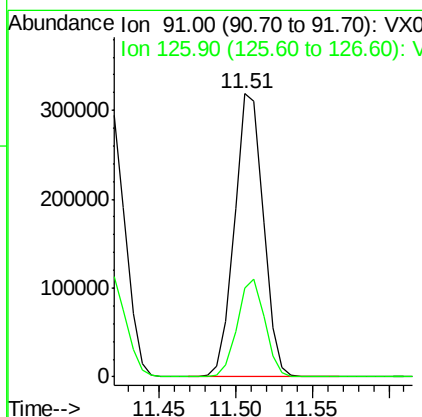
RT: 11.51 min Scan# 1698

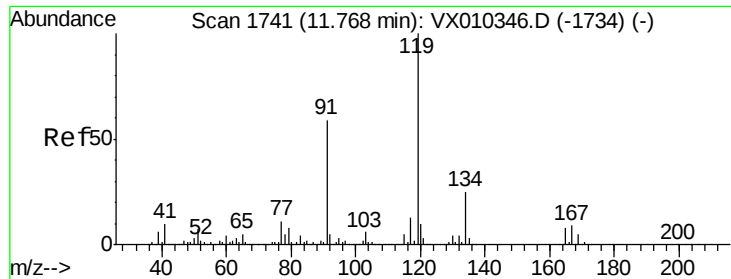
Delta R.T. -0.01 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Tgt Ion:	91	Resp:	415307
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.6





#83

tert-Butylbenzene

Concen: 47.099 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 452819

Ion Ratio Lower Upper

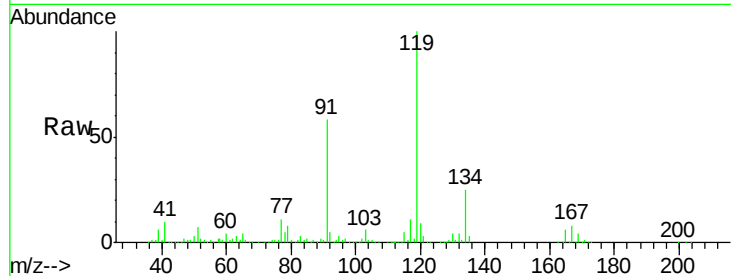
119 100

91 56.8 27.6 82.7

134 24.1 11.8 35.4

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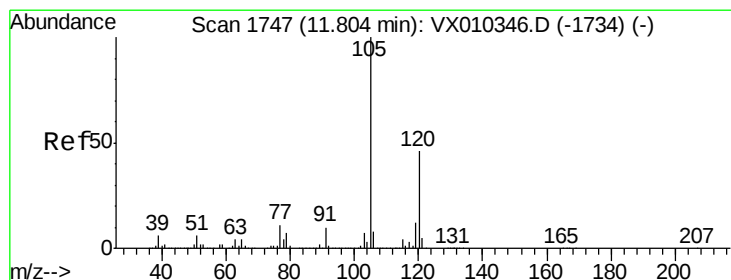
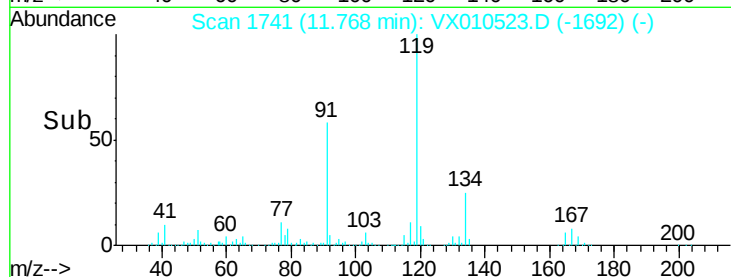
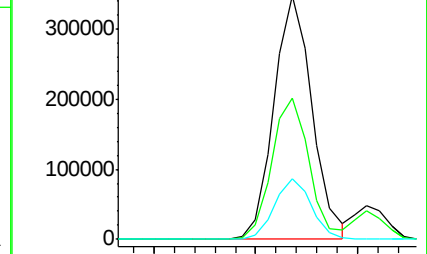
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.525 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010523.D

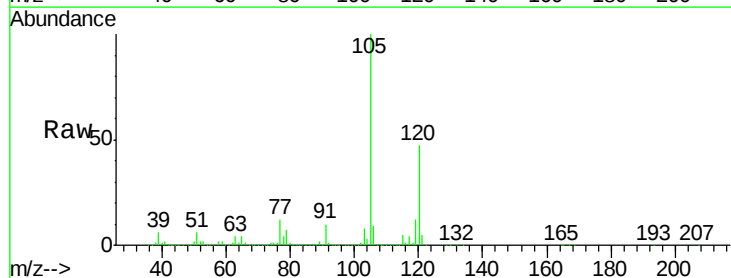
Acq: 28 Jun 2019 06:31

Tgt Ion:105 Resp: 466998

Ion Ratio Lower Upper

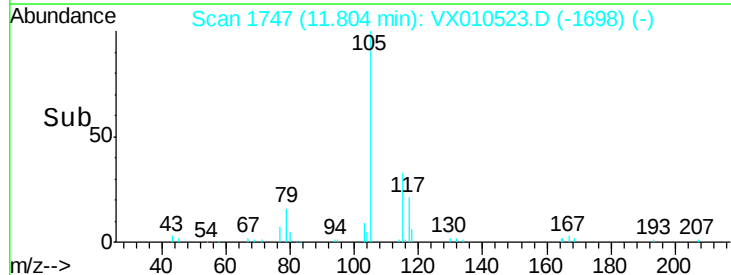
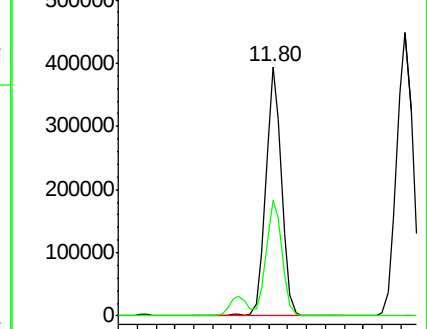
105 100

120 46.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.063 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 542552

Ion Ratio Lower Upper

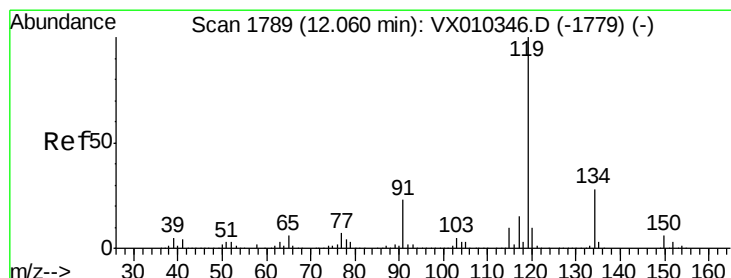
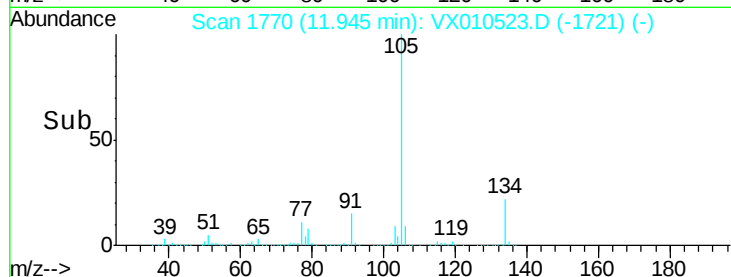
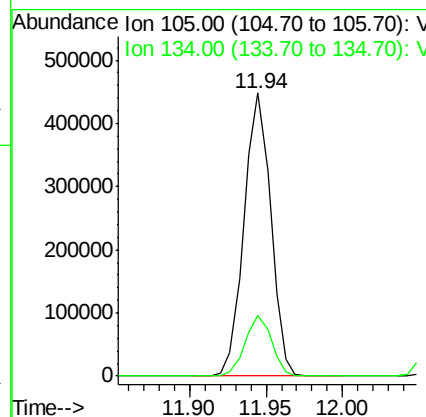
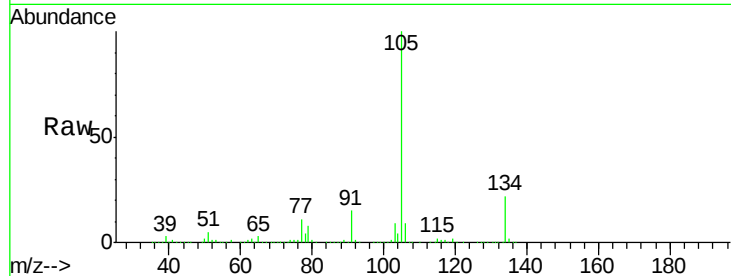
105 100

134 21.4 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 47.799 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

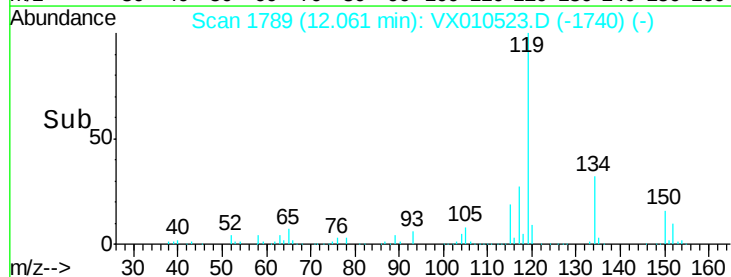
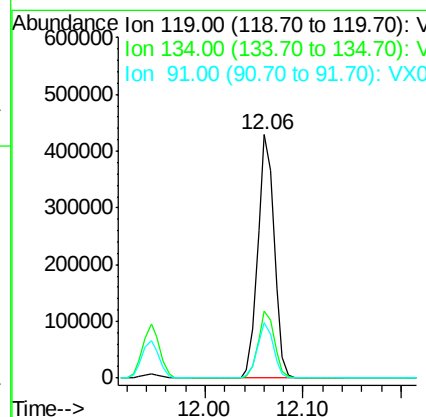
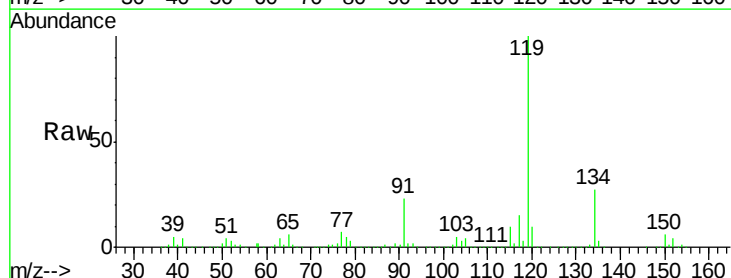
Tgt Ion:119 Resp: 499093

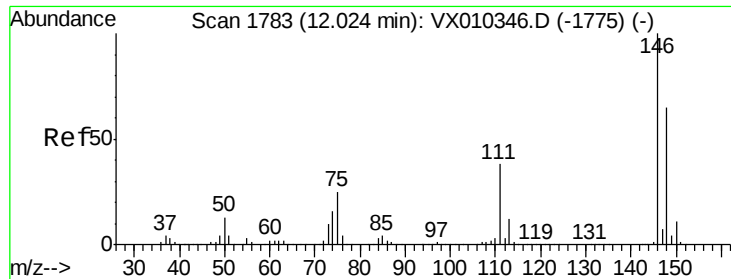
Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.1

91 22.4 11.3 33.8





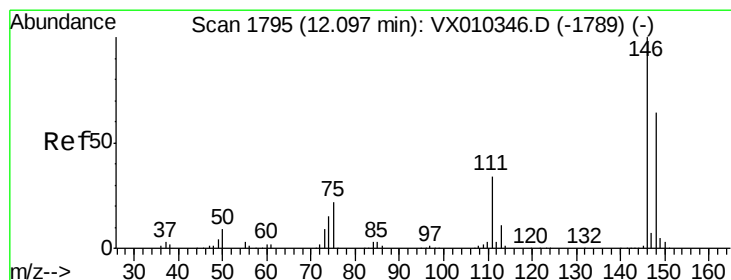
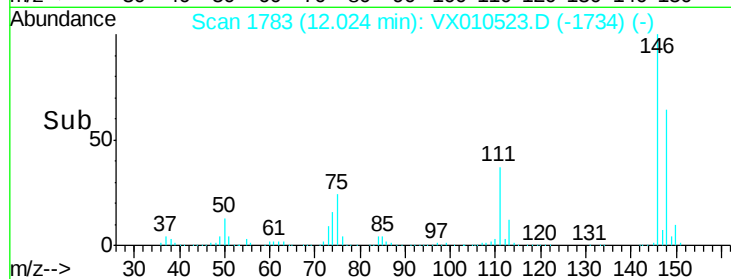
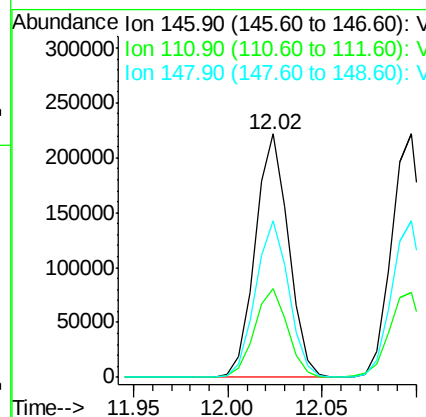
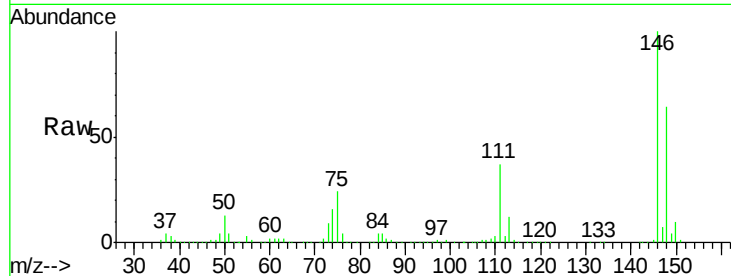
#87
 1,3-Dichlorobenzene
 Concen: 47.781 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.1	57.1
148	64.3	32.5	97.4

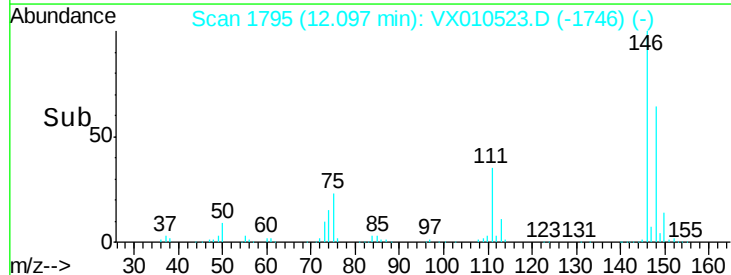
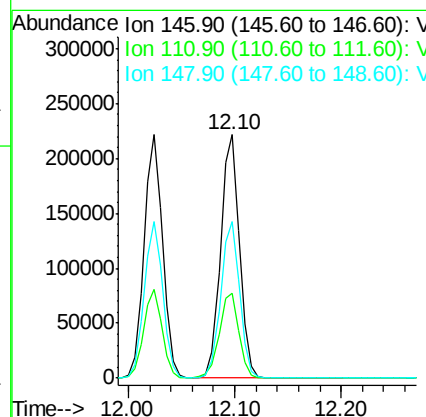
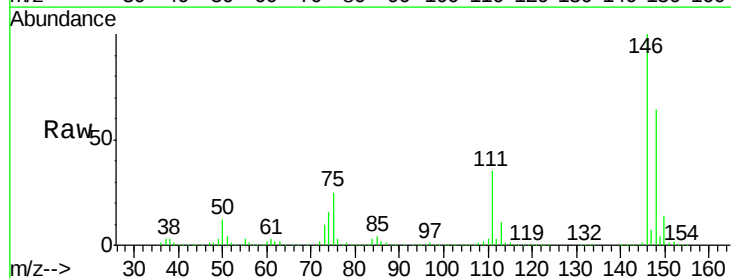
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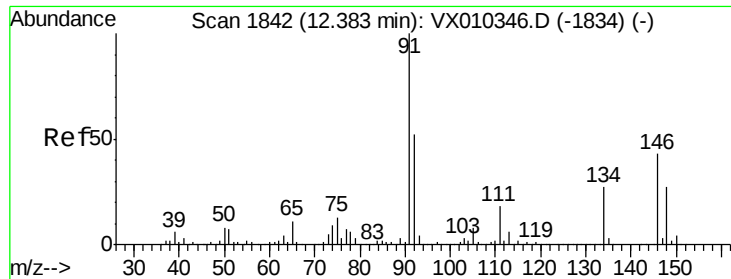
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#88
 1,4-Dichlorobenzene
 Concen: 46.890 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.3
148	64.5	32.1	96.3





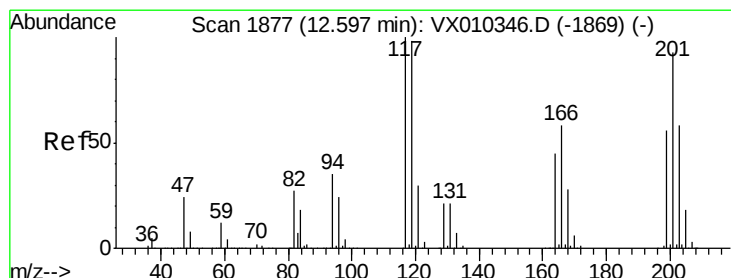
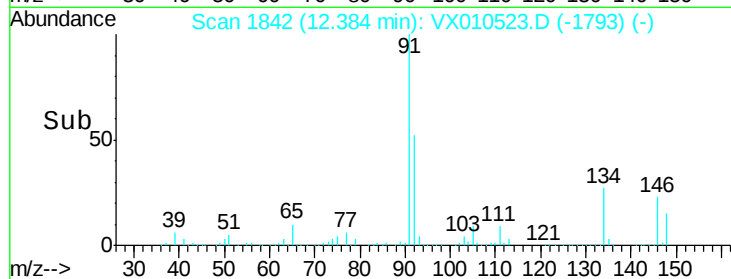
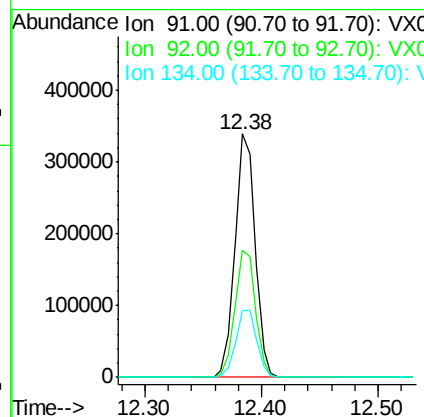
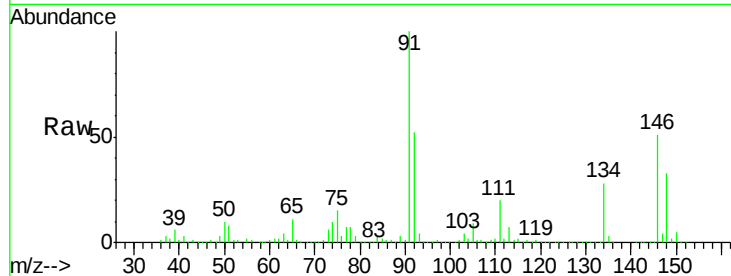
#89
n-Butylbenzene
Concen: 46.292 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.2	78.5
134	28.7	14.1	42.4

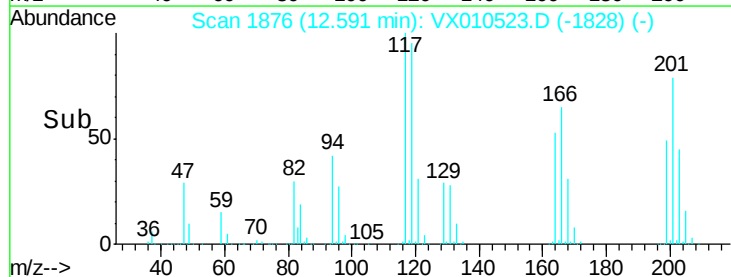
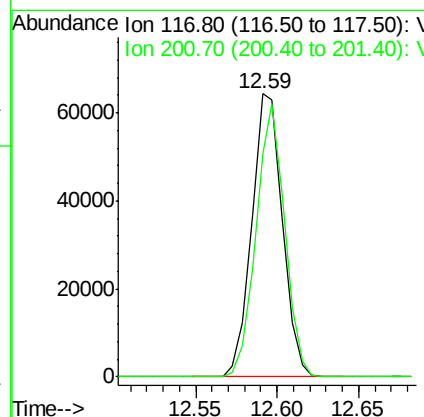
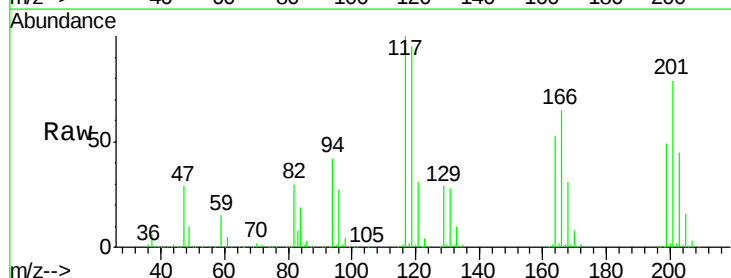
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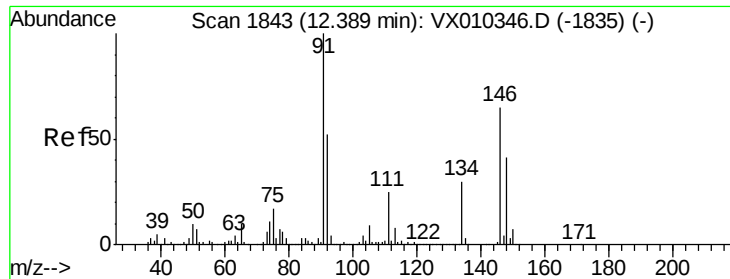
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#90
Hexachloroethane
Concen: 46.799 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010523.D
Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	44.0	131.8





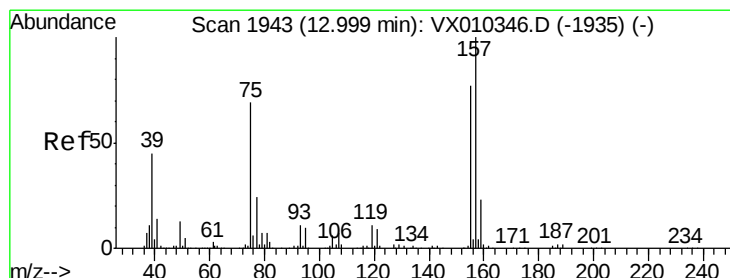
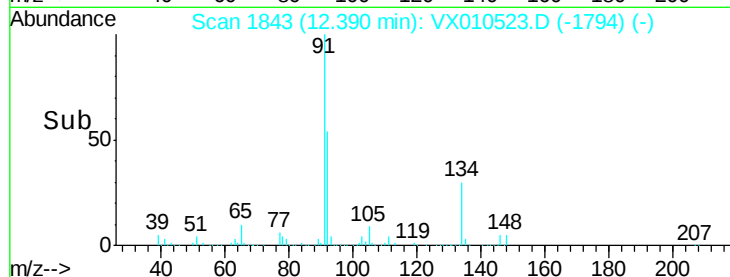
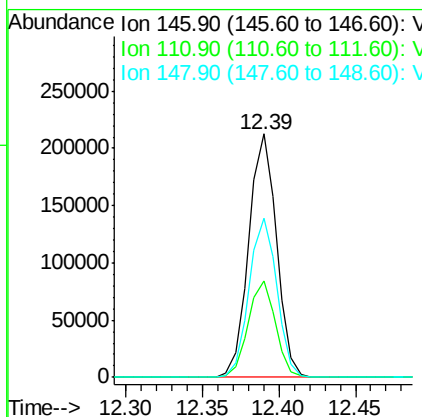
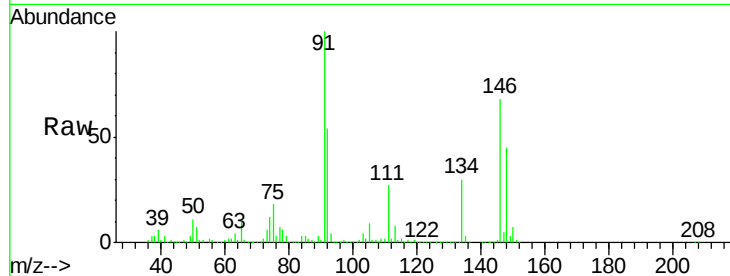
#91
 1,2-Dichlorobenzene
 Concen: 47.797 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.2	57.6
148	65.4	32.0	96.0

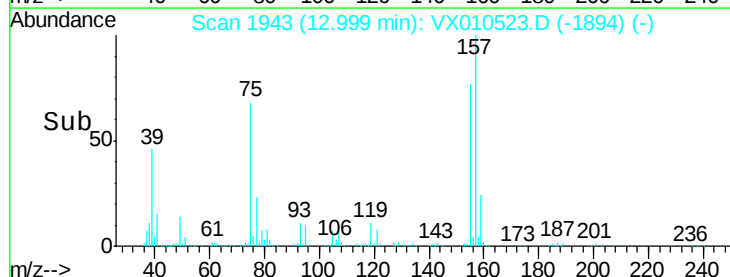
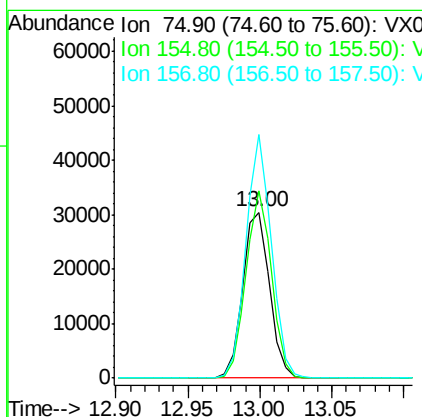
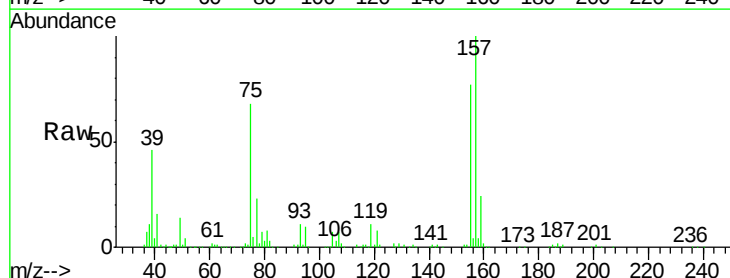
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.176 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.2	54.4	163.1
157	138.0	69.5	208.3





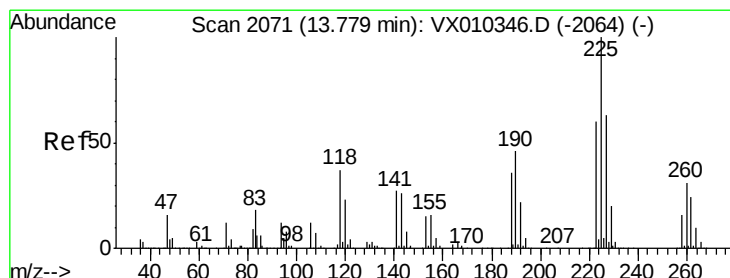
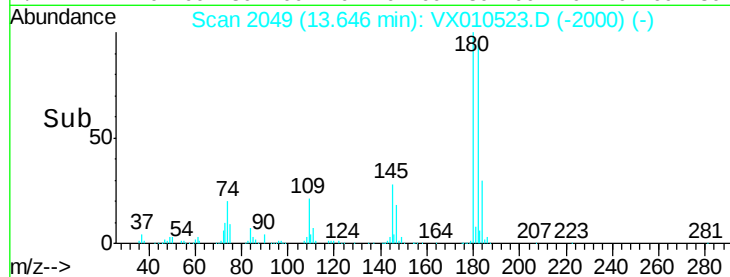
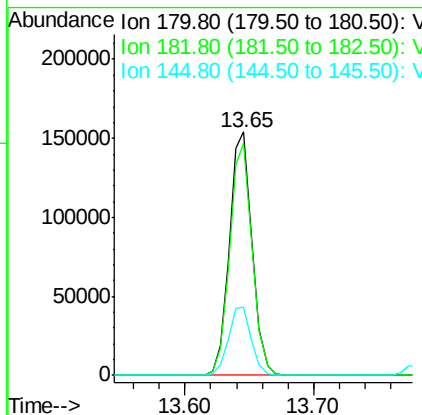
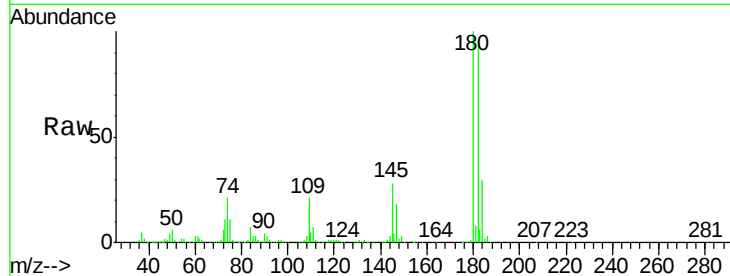
#93
 1,2,4-Trichlorobenzene
 Concen: 48.568 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	189586		
182	94.8	48.0	144.0	
145	28.3	14.4	43.4	

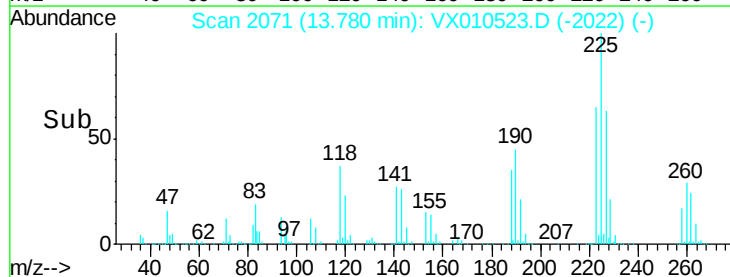
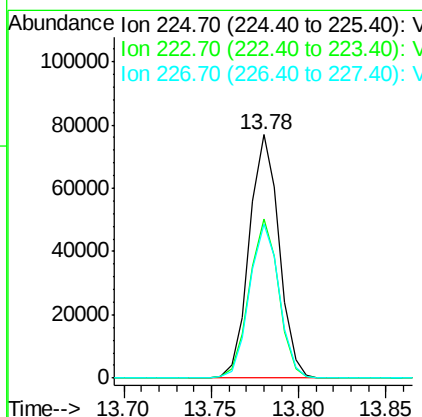
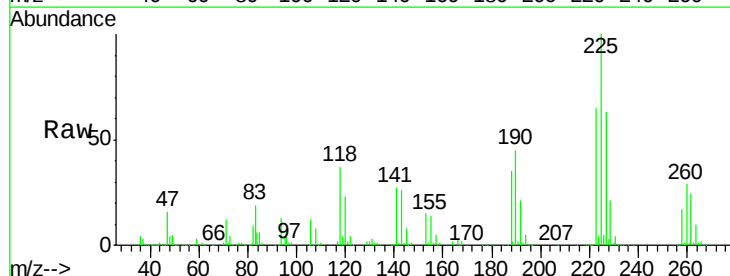
Manual Integrations
 APPROVED

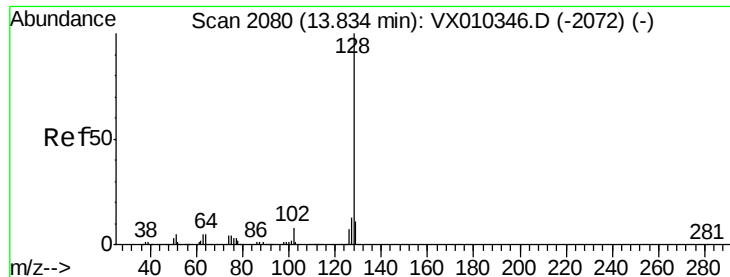
MMDadoda
 6/28/2019 10:36:28 AM



#94
 Hexachlorobutadiene
 Concen: 47.515 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010523.D
 Acq: 28 Jun 2019 06:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90648		
223	64.5	30.9	92.7	
227	63.1	31.9	95.5	





#95

Naphthalene

Concen: 50.359 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Instrument :

MSVOA_X

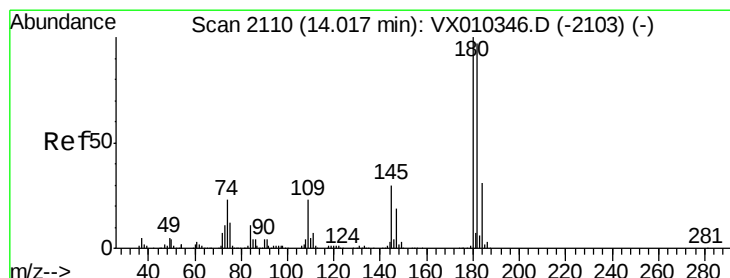
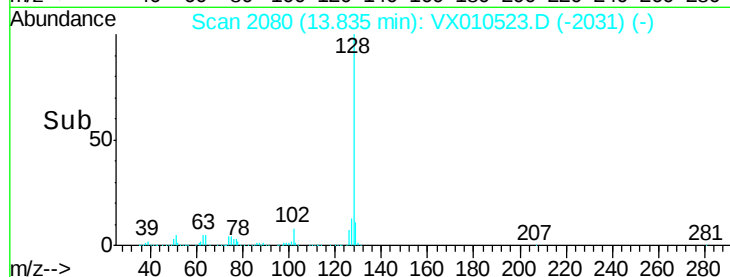
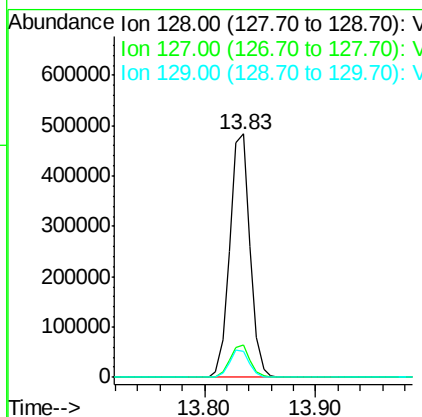
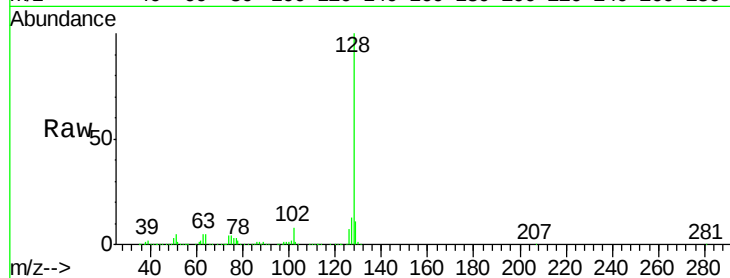
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	604085
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 49.325 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010523.D

Acq: 28 Jun 2019 06:31

Tgt Ion:	180	Resp:	191435
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.8	143.3
145	30.6	15.2	45.6

