

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061819\
 Data File : VX010332.D
 Acq On : 18 Jun 2019 10:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 8:58:22 AM

Quant Time: Jun 19 01:24:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	318032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	463715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	421840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	154357	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	5.49	113	154569	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
50) Toluene-d8	8.71	98	579252	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
62) 4-Bromofluorobenzene	11.13	95	217787	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	150547	51.445	ug/l	99
3) Chloromethane	1.32	50	137687	47.377	ug/l	99
4) Vinyl Chloride	1.41	62	148432	54.342	ug/l	100
5) Bromomethane	1.64	94	63428	61.538	ug/l	100
6) Chloroethane	1.71	64	87171	63.299	ug/l	100
7) Trichlorofluoromethane	1.92	101	244760	60.325	ug/l	100
8) Diethyl Ether	2.18	74	84408	60.359	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	150905	53.956	ug/l	92
10) Methyl Iodide	2.51	142	203505	46.963	ug/l	98
11) Tert butyl alcohol	3.05	59	192834	253.568	ug/l	99
12) 1,1-Dichloroethene	2.37	96	142574	49.910	ug/l #	79
13) Acrolein	2.29	56	33170	239.207	ug/l	99
14) Allyl chloride	2.72	41	212979	49.392	ug/l #	87
15) Acrylonitrile	3.14	53	407343	262.057	ug/l	99
16) Acetone	2.44	43	398292	272.783	ug/l #	89
17) Carbon Disulfide	2.57	76	342117	41.449	ug/l	98
18) Methyl Acetate	2.77	43	177615	55.313	ug/l #	83
19) Methyl tert-butyl Ether	3.19	73	477087	51.985	ug/l	93
20) Methylene Chloride	2.85	84	161736	50.438	ug/l #	78
21) trans-1,2-Dichloroethene	3.16	96	150770	47.692	ug/l #	80
22) Diisopropyl ether	3.85	45	445123	53.992	ug/l #	82
23) Vinyl Acetate	3.81	43	1933743	262.924	ug/l #	88
24) 1,1-Dichloroethane	3.69	63	253898	50.723	ug/l	95
25) 2-Butanone	4.67	43	586485	269.744	ug/l #	83
26) 2,2-Dichloropropane	4.57	77	230911	50.566	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	181374	51.573	ug/l	78
28) Bromochloromethane	5.01	49	107356	47.855	ug/l #	50
29) Tetrahydrofuran	5.12	42	349179	255.546	ug/l #	76
30) Chloroform	5.21	83	270146	51.967	ug/l	100
31) Cyclohexane	5.57	56	228289	50.534	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	246401	50.419	ug/l	94
36) 1,1-Dichloropropene	5.79	75	193862	51.243	ug/l	93
37) Ethyl Acetate	4.83	43	206114	52.362	ug/l #	92
38) Carbon Tetrachloride	5.78	117	220989	51.607	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	263116	51.075	ug/l #	84
40) Benzene	6.14	78	623870	53.329	ug/l	99
41) Methacrylonitrile	5.04	41	112871	53.009	ug/l #	85
42) 1,2-Dichloroethane	6.19	62	194414	52.056	ug/l	93
43) Isopropyl Acetate	6.44	43	349036	53.033	ug/l #	90
44) Trichloroethene	7.21	130	187736	53.240	ug/l	87
45) 1,2-Dichloropropane	7.51	63	158803	54.236	ug/l	98
46) Dibromomethane	7.66	93	114061	51.997	ug/l	91
47) Bromodichloromethane	7.90	83	219610	53.577	ug/l #	98
48) Methyl methacrylate	7.76	41	165970	53.922	ug/l #	78
49) 1,4-Dioxane	7.74	88	88262	1005.758	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	1111714	282.751	ug/l	90
52) Toluene	8.78	92	408335	53.100	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	248228	52.356	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	268364	52.799	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	174529	55.418	ug/l	97
56) Ethyl methacrylate	9.18	69	271660	54.606	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	268931	54.240	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	557681	237.789	ug/l #	87
59) 2-Hexanone	9.49	43	877122	279.797	ug/l	88
60) Dibromochloromethane	9.58	129	203033	54.504	ug/l	99
61) 1,2-Dibromoethane	9.67	107	187093	53.340	ug/l	99
64) Tetrachloroethene	9.34	164	178561	56.992	ug/l	96
65) Chlorobenzene	10.13	112	475236	54.584	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	181880	54.322	ug/l	99
67) Ethyl Benzene	10.25	91	808877	54.575	ug/l	95
68) m/p-Xylenes	10.35	106	631732	110.145	ug/l	90
69) o-Xylene	10.69	106	309282	54.247	ug/l	89
70) Styrene	10.71	104	532897	55.188	ug/l	95
71) Bromoform	10.85	173	165888	53.895	ug/l	98
73) Isopropylbenzene	11.02	105	822591	53.361	ug/l	95
74) N-amyl acetate	10.90	43	317991	52.183	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.27	83	268834	50.945	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	226337m	51.241	ug/l	
77) Bromobenzene	11.26	156	227620	53.694	ug/l	80
78) n-propylbenzene	11.36	91	936778	54.584	ug/l	95
79) 2-Chlorotoluene	11.42	91	541984	52.582	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	691868	53.286	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	98759	49.399	ug/l	86
82) 4-Chlorotoluene	11.51	91	625966	53.460	ug/l	92
83) tert-Butylbenzene	11.77	119	697211	53.053	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	703934	53.673	ug/l	96
85) sec-Butylbenzene	11.94	105	832800	54.394	ug/l	96
86) p-Isopropyltoluene	12.06	119	773383	55.254	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	406509	54.440	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	398532	52.945	ug/l	98
89) n-Butylbenzene	12.38	91	681387	56.555	ug/l	98
90) Hexachloroethane	12.60	117	143389	51.427	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	392231	54.031	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57607	46.392	ug/l	66

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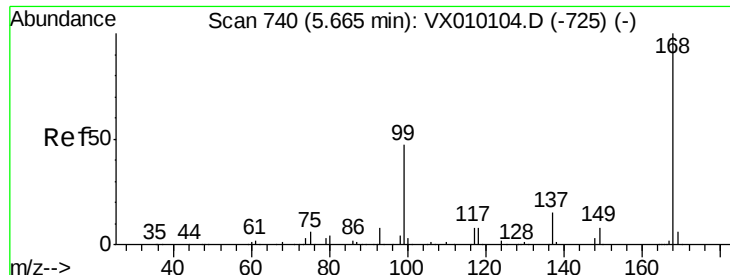
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	292106	54.971	ug/l	99
94) Hexachlorobutadiene	13.78	225	141207	59.752	ug/l	100
95) Naphthalene	13.83	128	885590	52.943	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	288368	54.886	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: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 318032

Ion Ratio Lower Upper

168 100

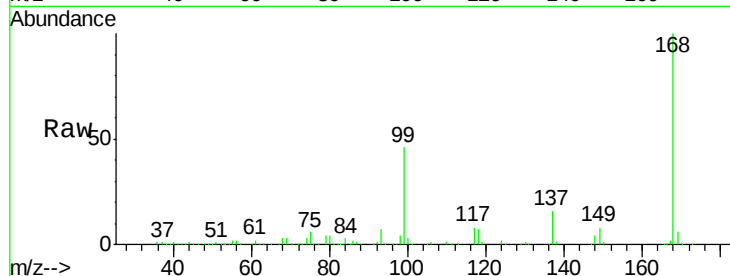
99 46.3 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

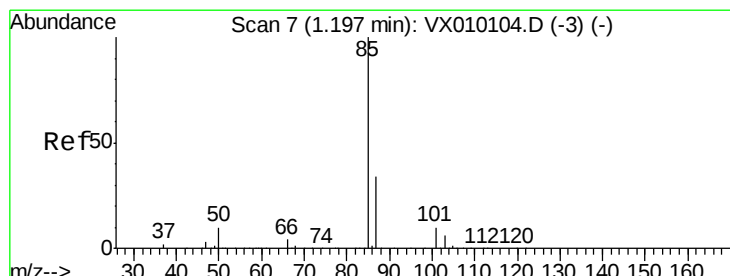
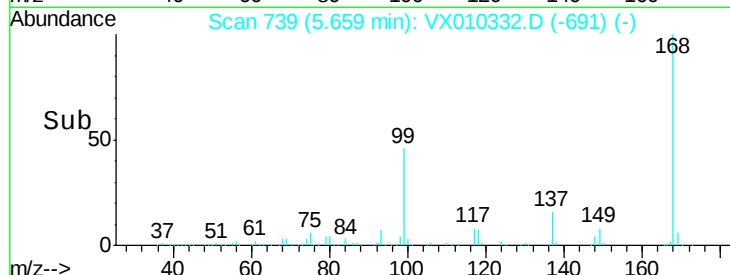
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.445 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010332.D

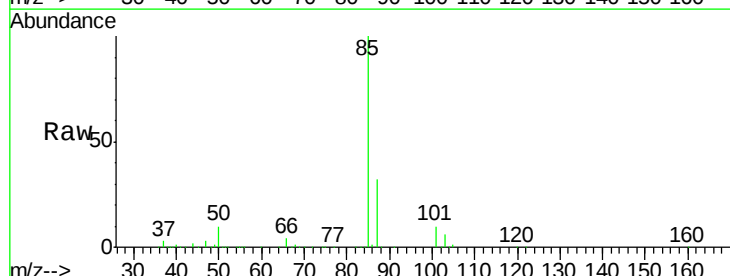
Acq: 18 Jun 2019 10:28

Tgt Ion: 85 Resp: 150547

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

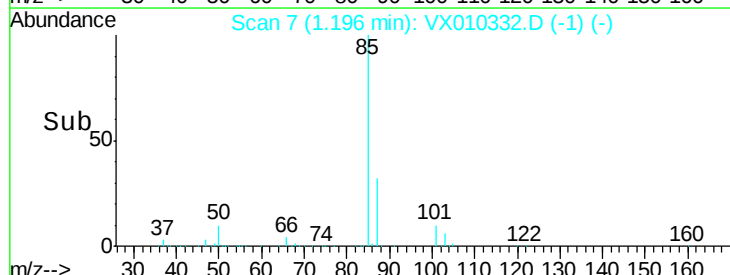
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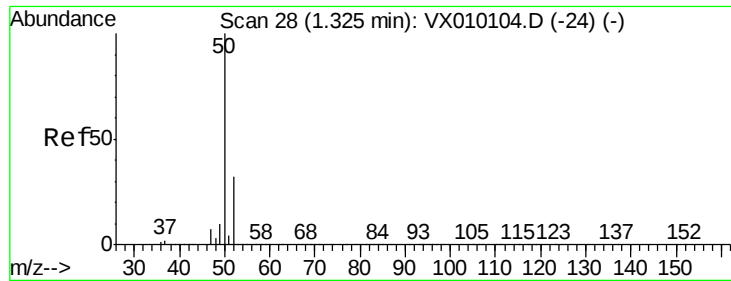
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.377 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 137687

Ion Ratio Lower Upper

50 100

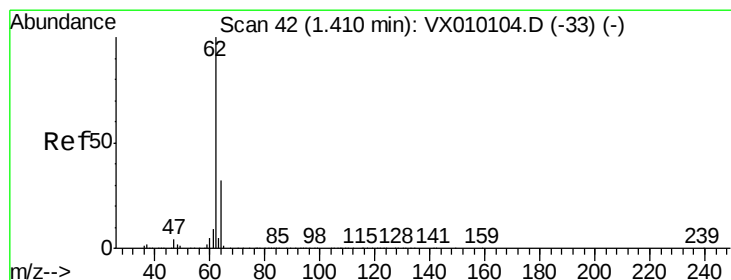
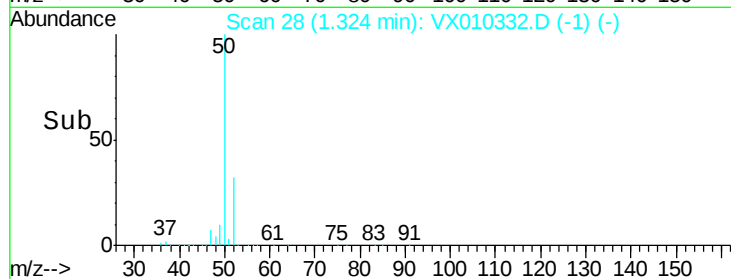
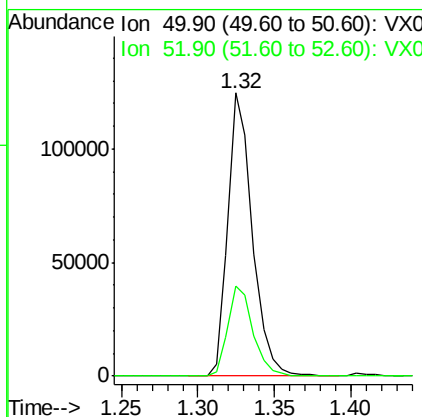
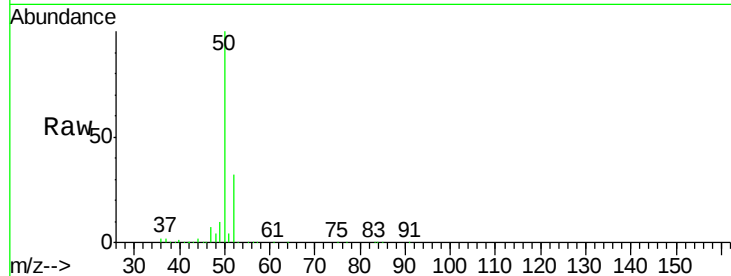
52 32.0 26.0 39.0

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#4

Vinyl Chloride

Concen: 54.342 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010332.D

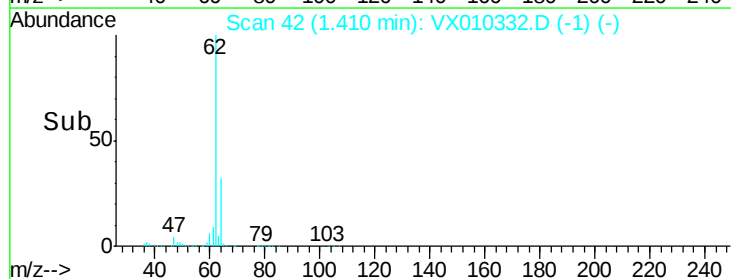
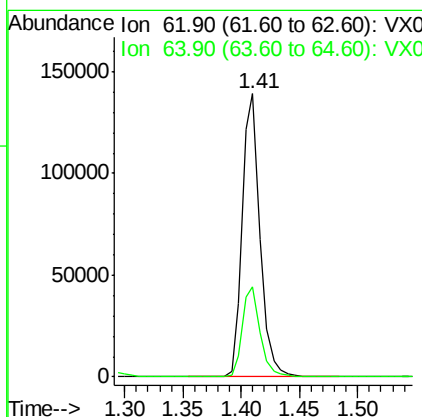
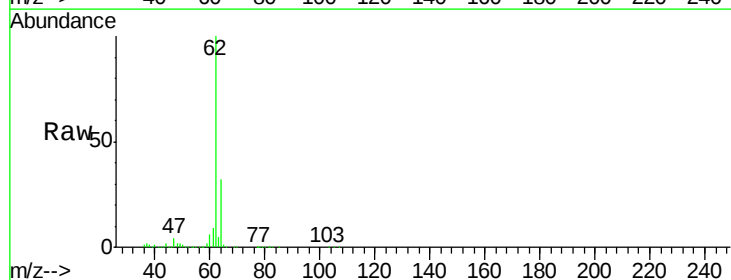
Acq: 18 Jun 2019 10:28

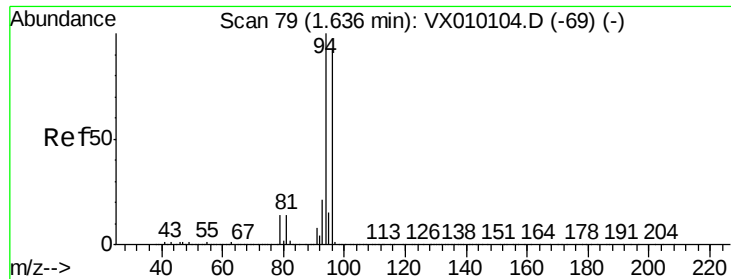
Tgt Ion: 62 Resp: 148432

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 61.538 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63428

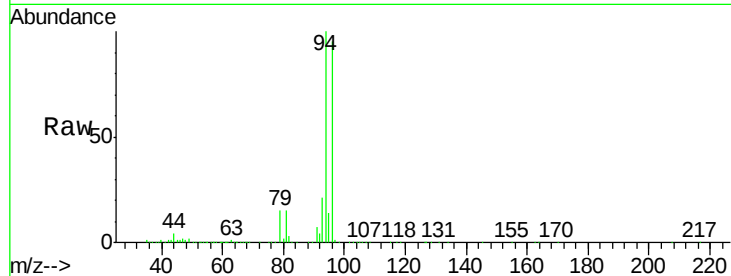
Ion Ratio Lower Upper

94 100

96 94.9 76.2 114.4

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

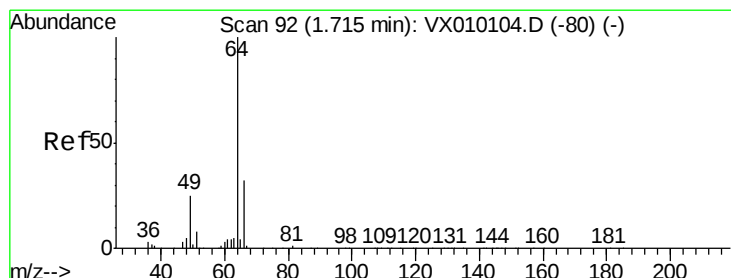
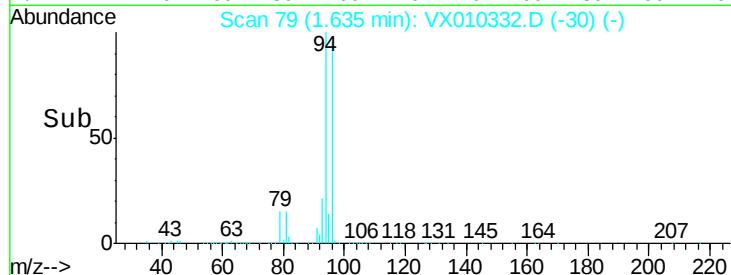
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 63.299 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010332.D

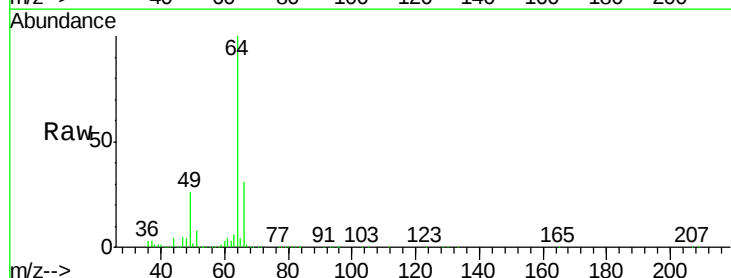
Acq: 18 Jun 2019 10:28

Tgt Ion: 64 Resp: 87171

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

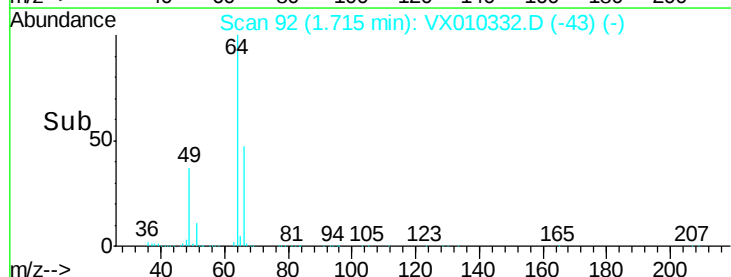
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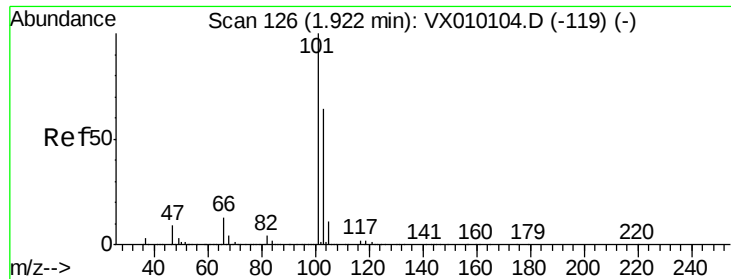
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20000

0

Time-->





#7

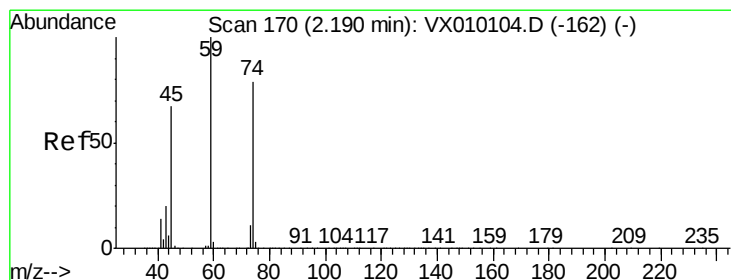
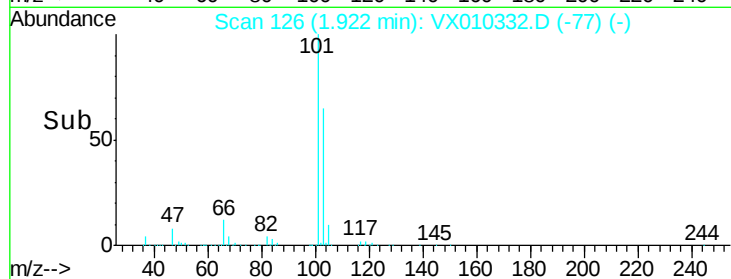
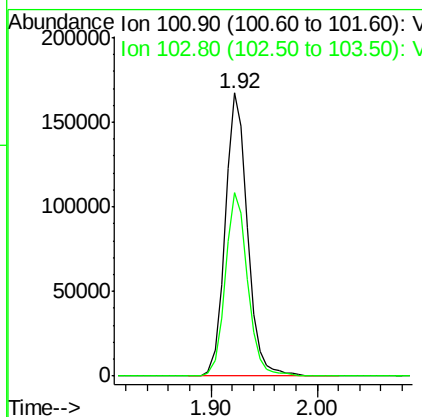
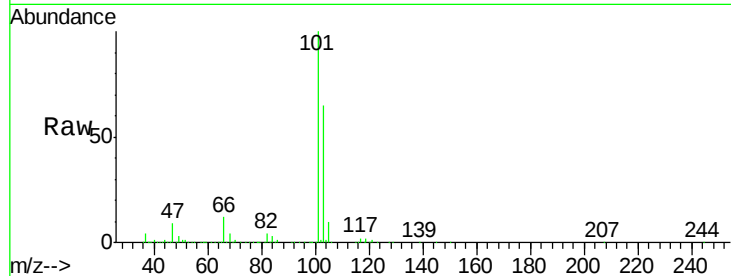
Trichlorofluoromethane
Concen: 60.325 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	244760		
103	64.9	52.2	78.4	

Manual Integrations
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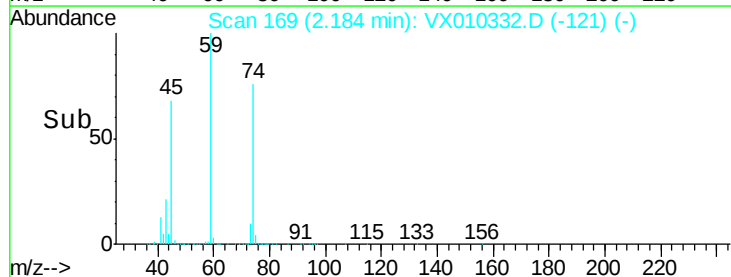
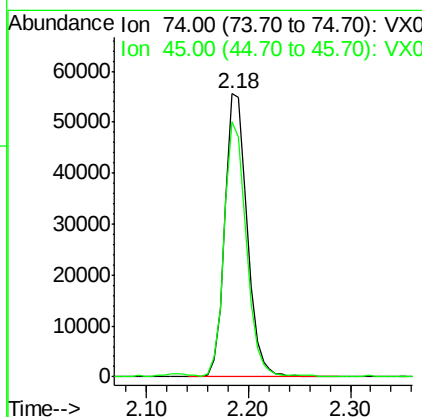
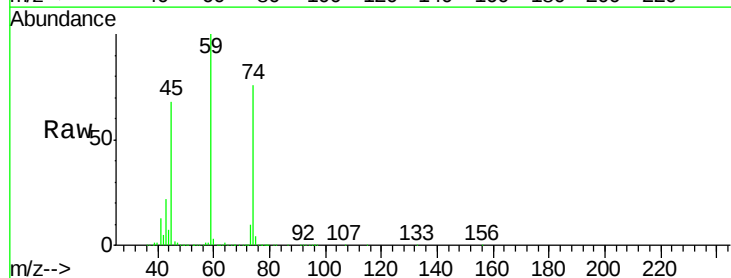
MMDadoda
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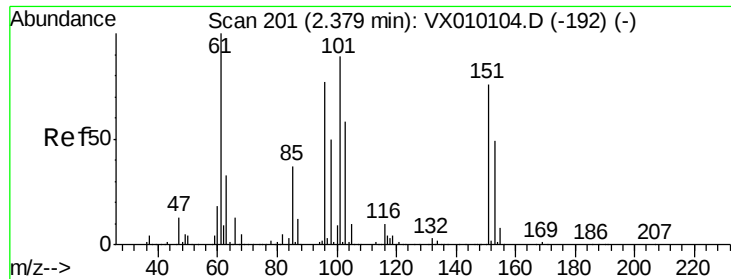


#8

Diethyl Ether
Concen: 60.359 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	84408		
45	88.4	56.1	168.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.956 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

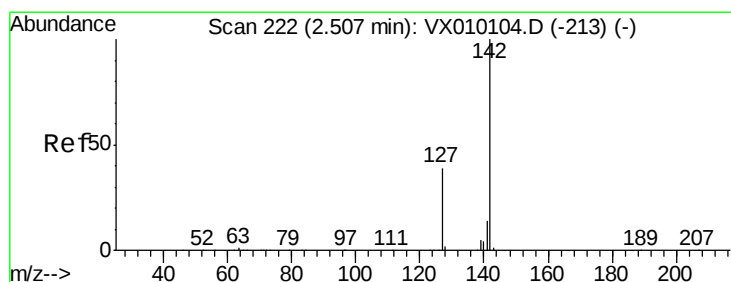
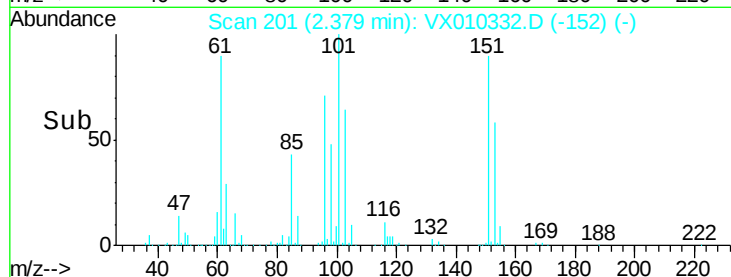
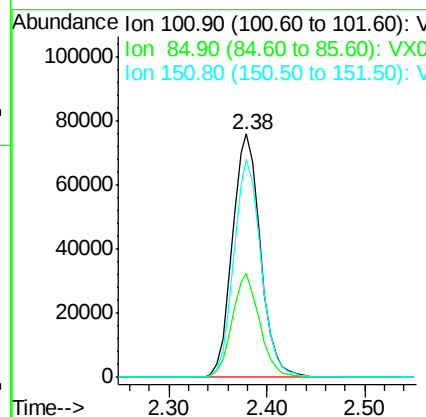
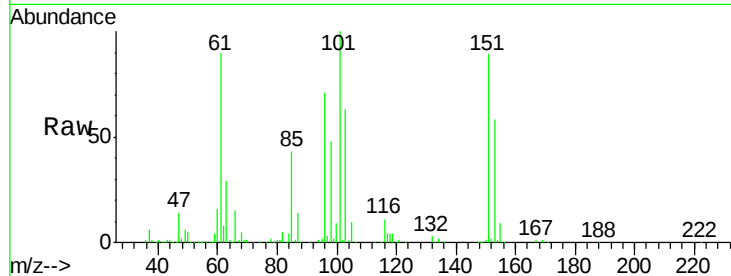
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	150905
Ion Ratio	Lower	Upper	
101	100		
85	41.8	35.2	52.8
151	87.1	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 46.963 ug/l

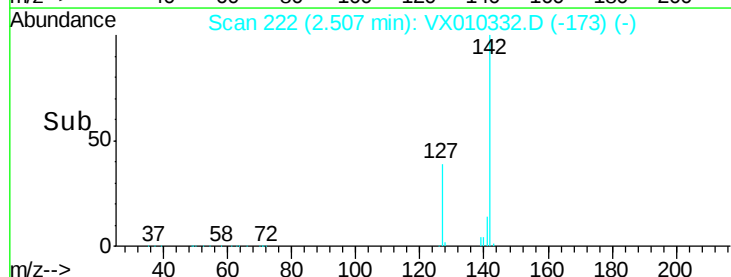
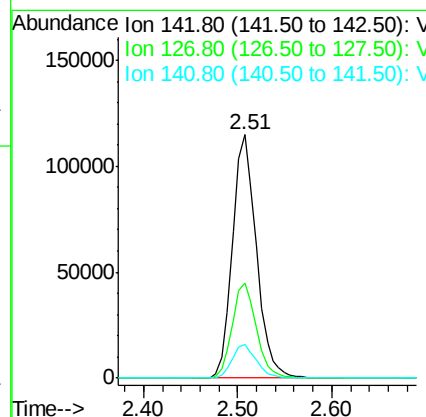
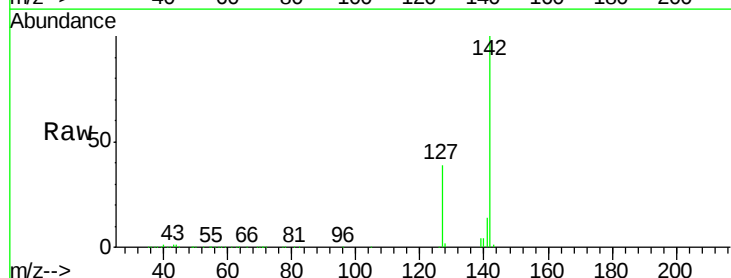
RT: 2.51 min Scan# 222

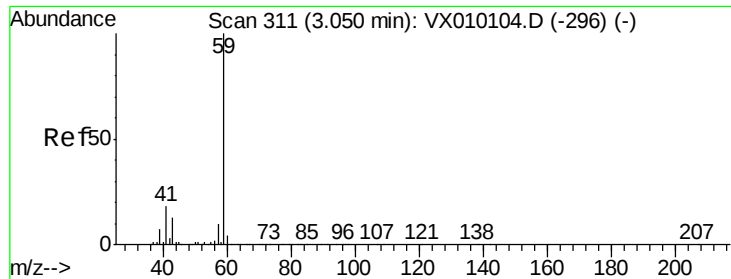
Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion:	142	Resp:	203505
Ion Ratio	Lower	Upper	
142	100		
127	39.4	33.0	49.4
141	14.1	11.4	17.0





#11

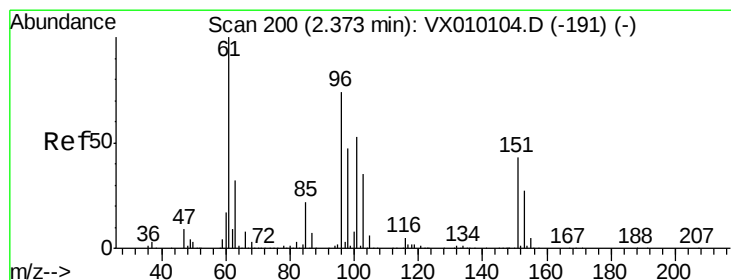
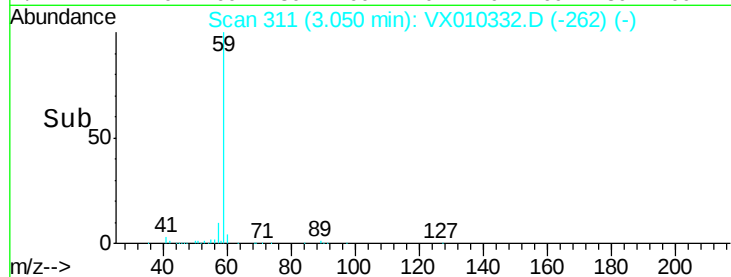
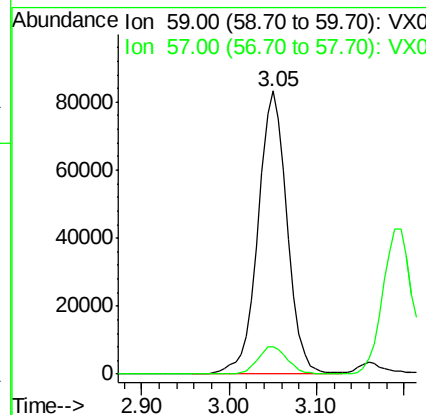
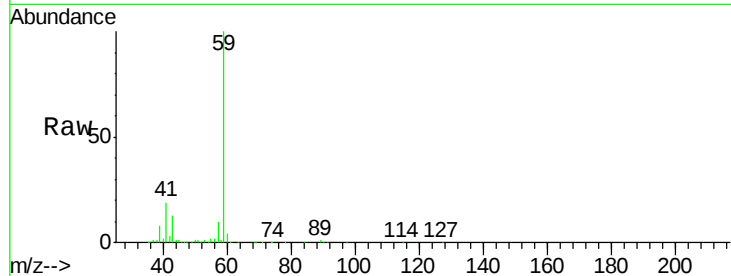
Tert butyl alcohol
Concen: 253.568 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	192834
Ion Ratio	100	Lower	Upper
57	10.0	8.2	12.2

Manual Integrations
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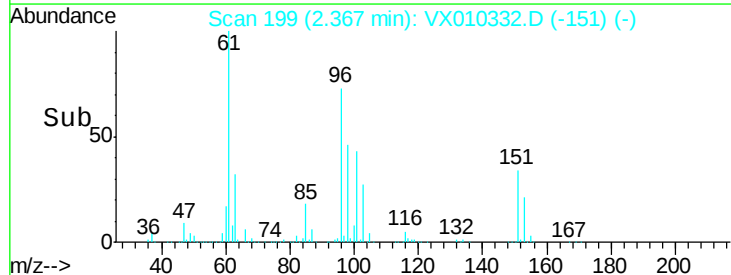
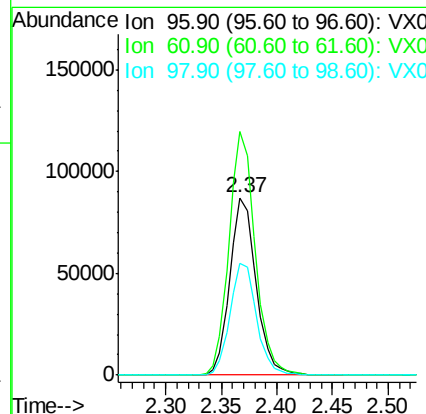
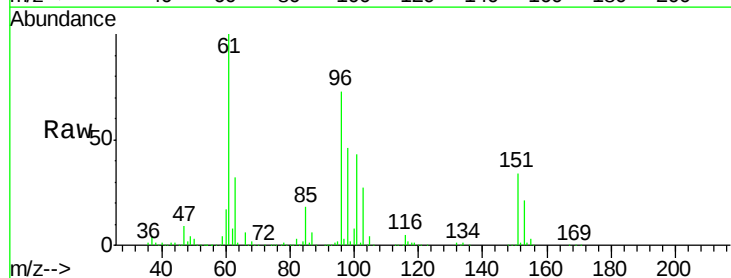
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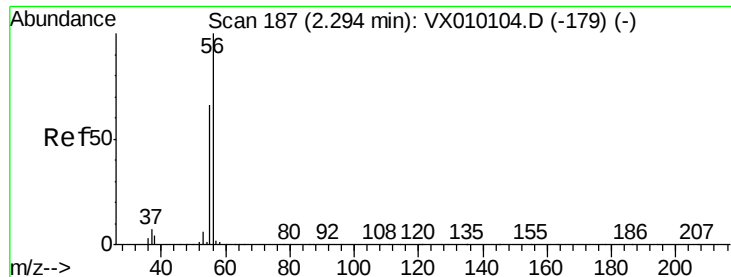


#12

1,1-Dichloroethene
Concen: 49.910 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	96	Resp	142574
Ion Ratio	100	Lower	Upper
61	137.1	140.7	211.1#
98	63.0	50.1	75.1





#13

Acrolein

Concen: 239.207 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 33170

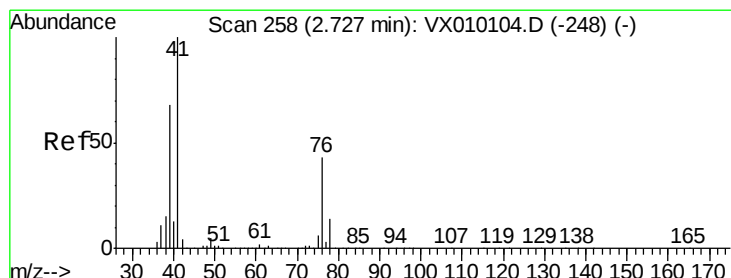
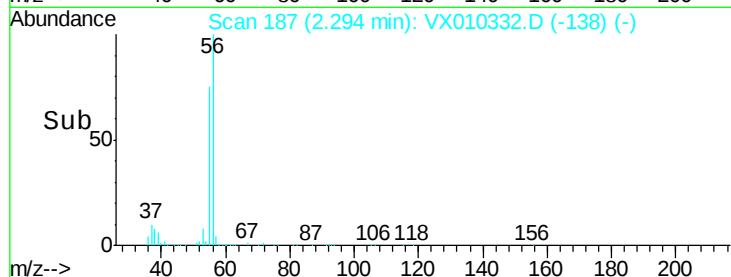
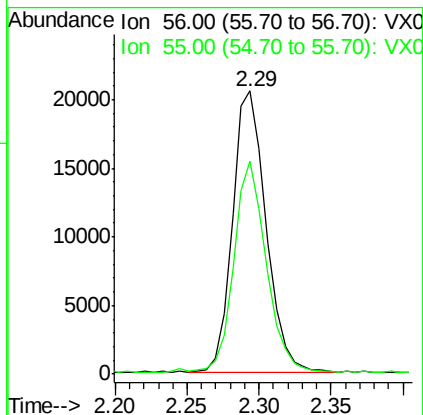
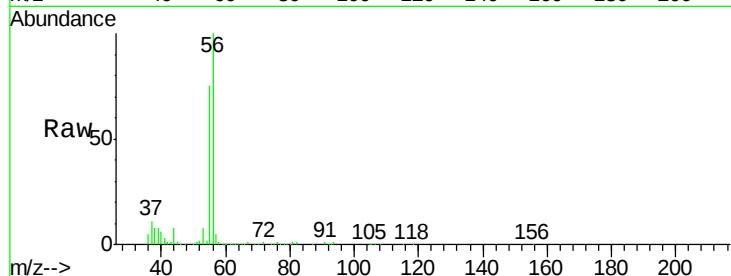
Ion Ratio Lower Upper

56 100

55 72.0 57.0 85.4

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#14

Allyl chloride

Concen: 49.392 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

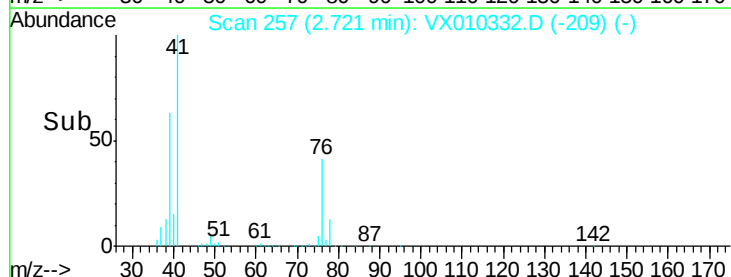
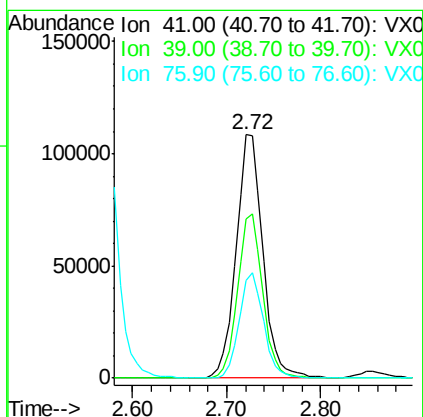
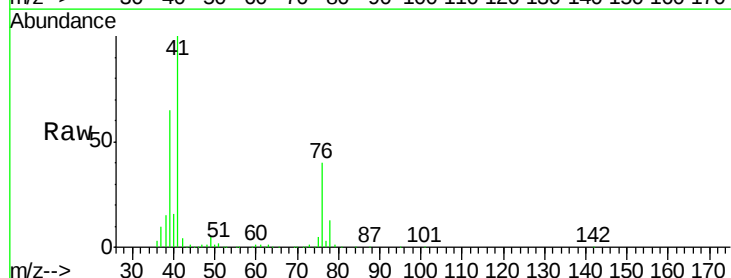
Tgt Ion: 41 Resp: 212979

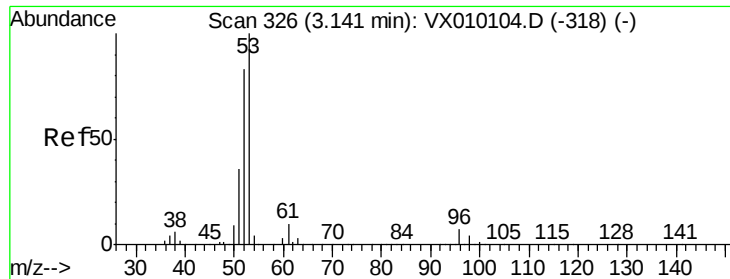
Ion Ratio Lower Upper

41 100

39 63.2 46.7 70.1

76 39.5 21.0 31.4#





#15

Acrylonitrile

Concen: 262.057 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

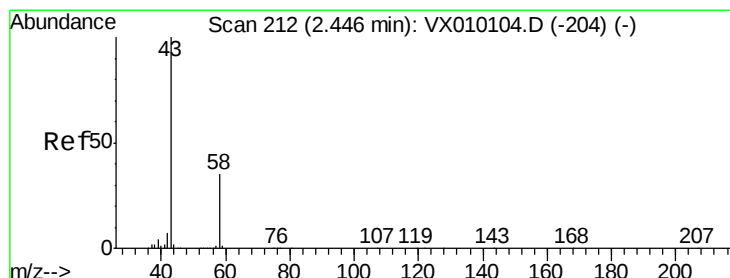
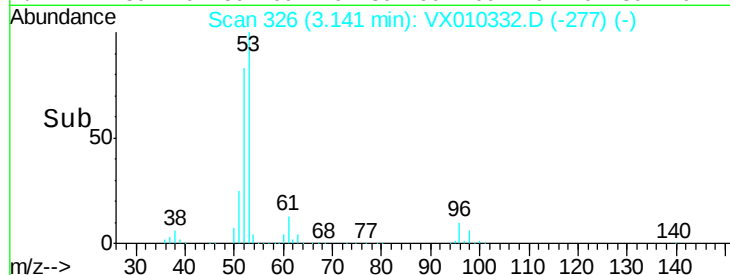
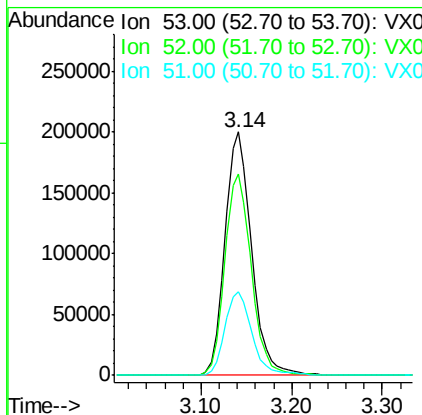
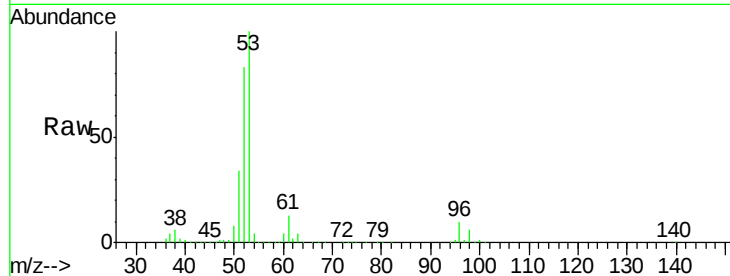
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	407343
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.7	100.1
51	34.9	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 272.783 ug/l

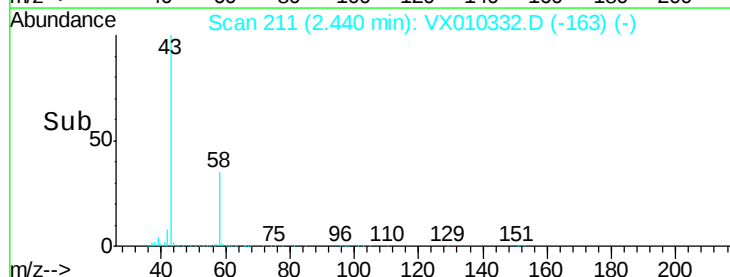
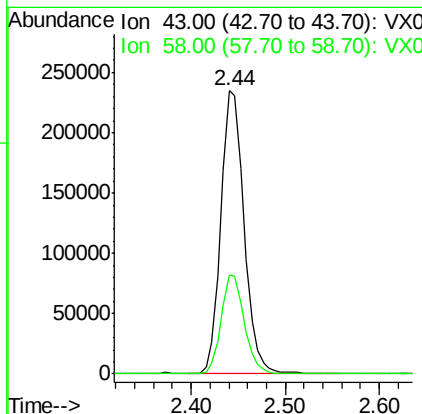
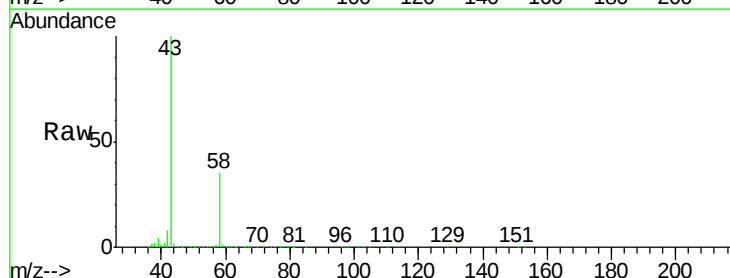
RT: 2.44 min Scan# 211

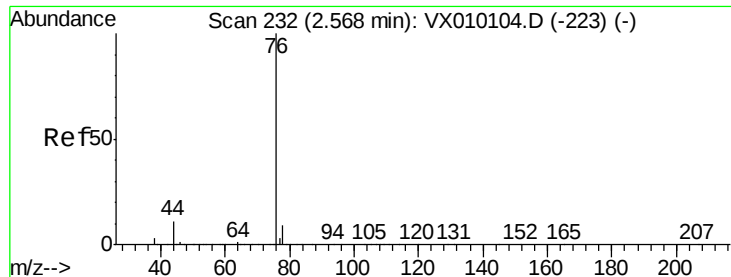
Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion:	43	Resp:	398292
Ion Ratio	Lower	Upper	
43	100		
58	34.8	23.2	34.8#





#17

Carbon Disulfide

Concen: 41.449 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 342117

Ion Ratio Lower Upper

76 100

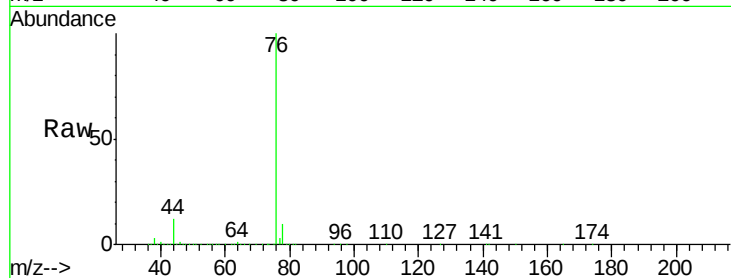
78 9.5 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

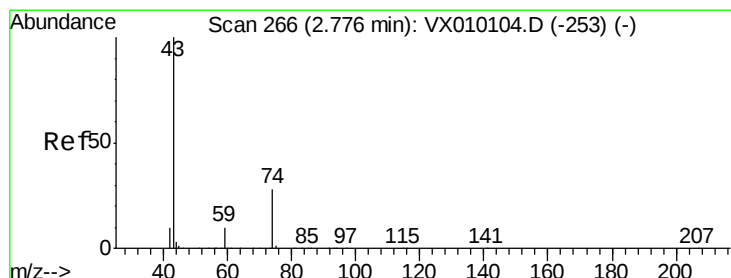
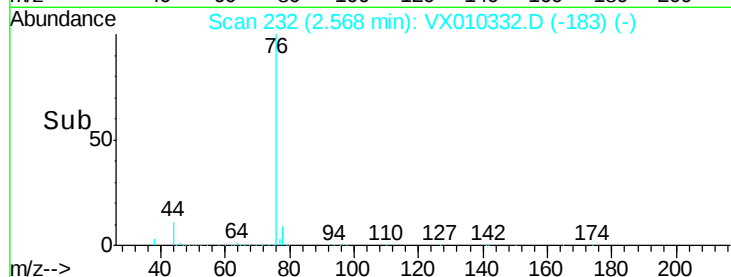
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 55.313 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010332.D

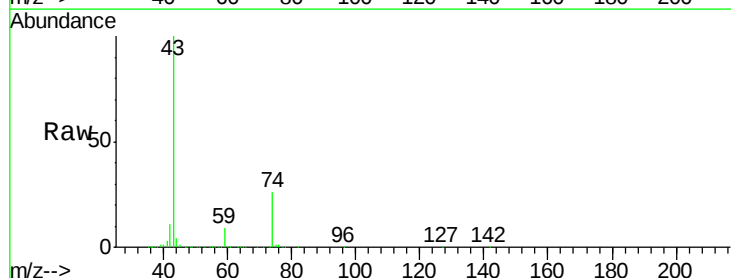
Acq: 18 Jun 2019 10:28

Tgt Ion: 43 Resp: 177615

Ion Ratio Lower Upper

43 100

74 27.6 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

100000

80000

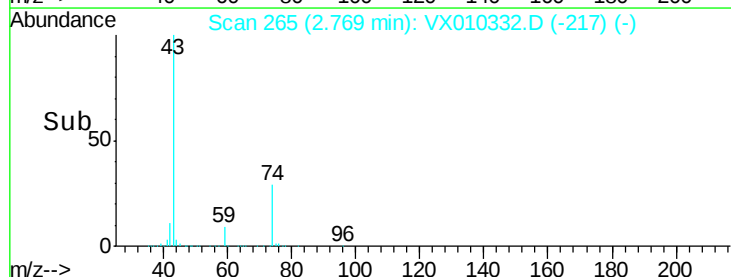
60000

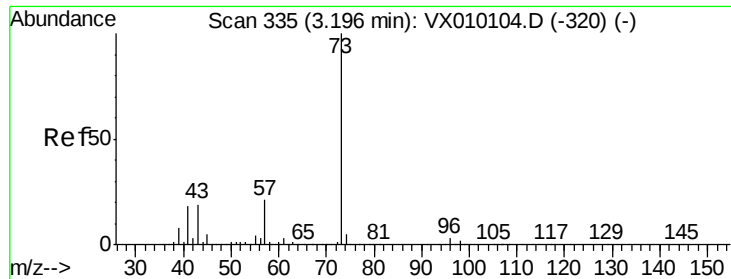
40000

20000

0

Time-->





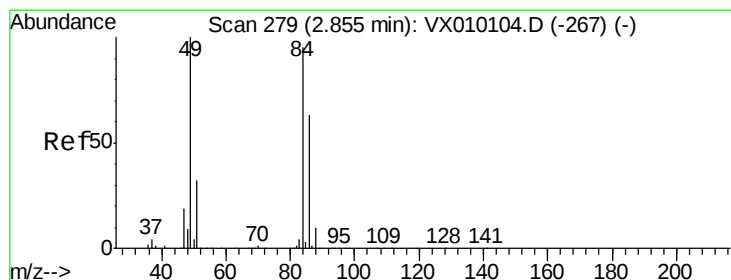
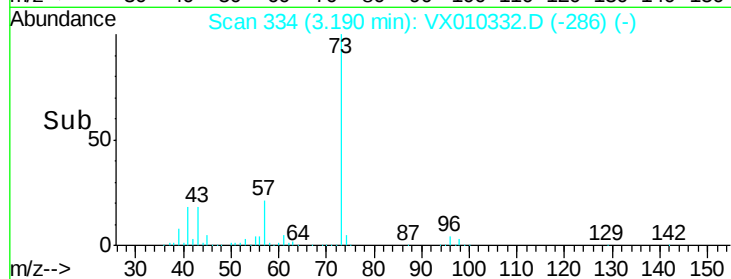
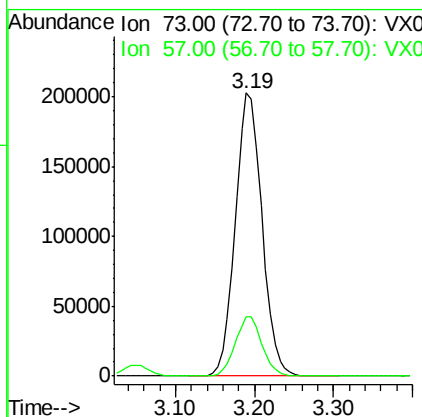
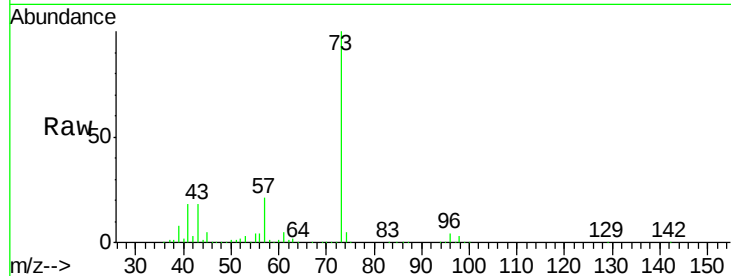
#19
Methyl tert-butyl Ether
Concen: 51.985 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 477087
Ion Ratio Lower Upper
73 100
57 21.0 19.4 29.2

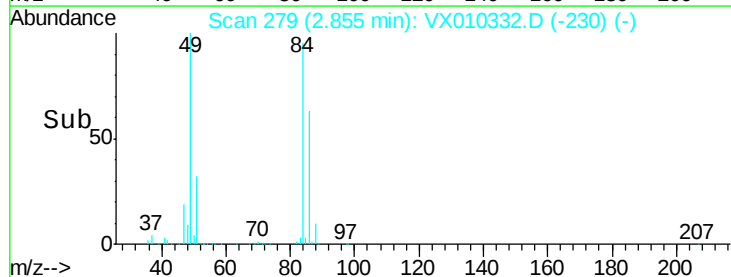
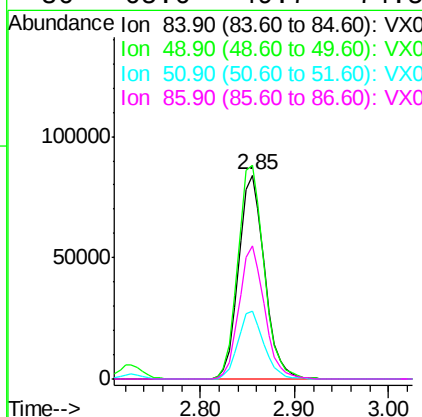
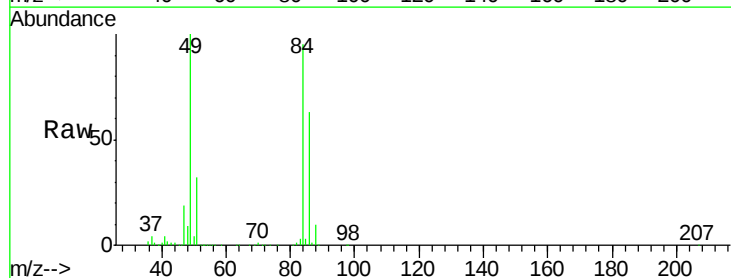
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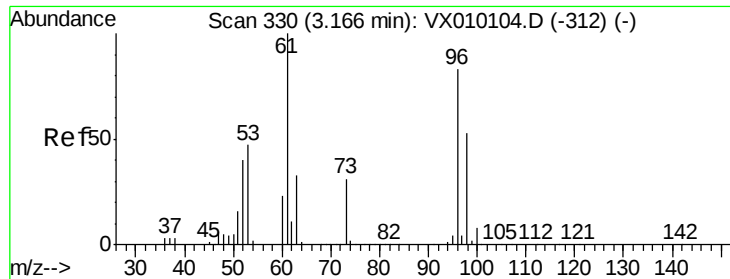
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#20
Methylene Chloride
Concen: 50.438 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion: 84 Resp: 161736
Ion Ratio Lower Upper
84 100
49 104.7 115.8 173.6#
51 33.3 34.4 51.6#
86 65.6 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 47.692 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 150770

Ion Ratio Lower Upper

96 100

61 122.6 125.7 188.5#

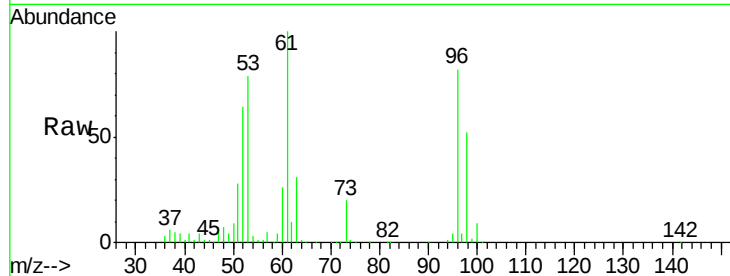
98 63.3 49.0 73.6

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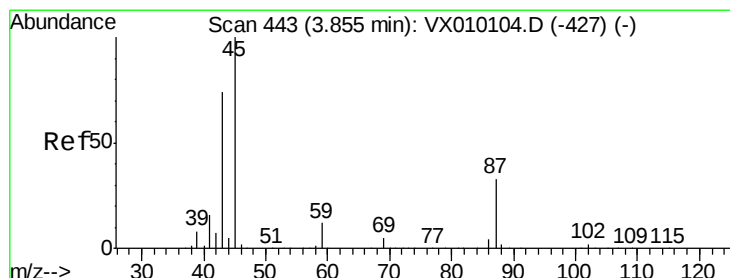
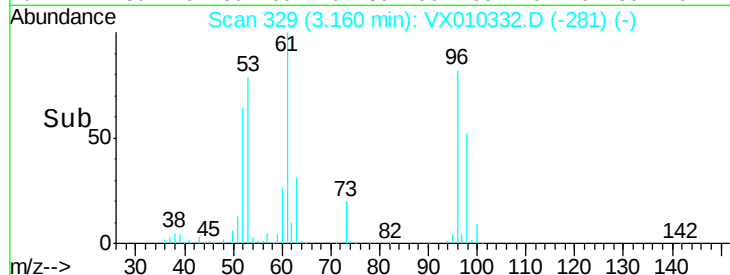
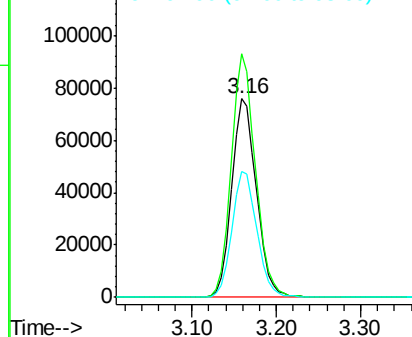


Abundance

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: 53.992 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion: 45 Resp: 445123

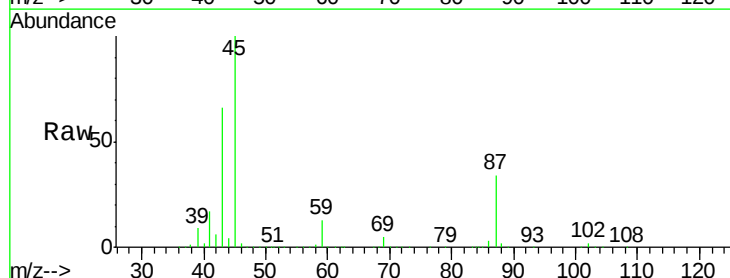
Ion Ratio Lower Upper

45 100

43 66.2 65.0 97.4

87 33.6 17.3 25.9#

59 12.7 8.1 12.1#



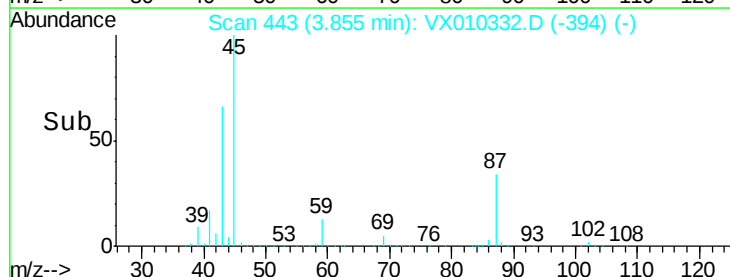
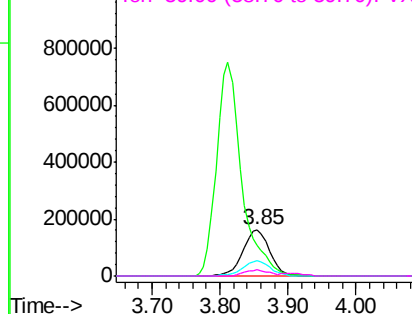
Abundance

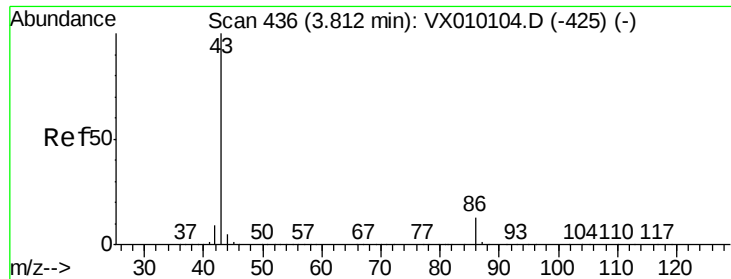
Ion 45.00 (44.70 to 45.70): VX0

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: 262.924 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1933743

Ion Ratio Lower Upper

43 100

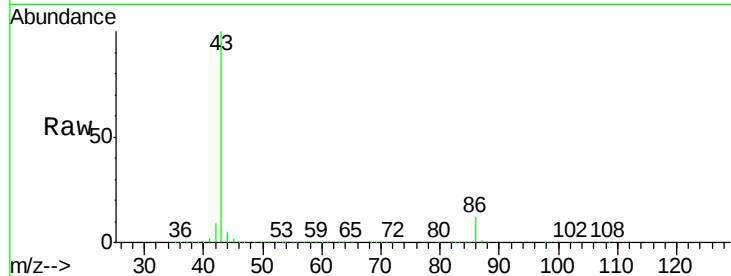
86 12.4 6.5 9.7#

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

800000

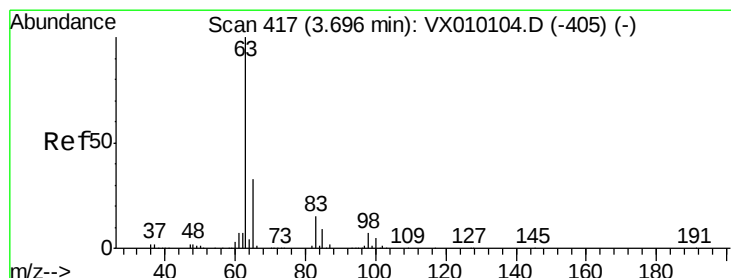
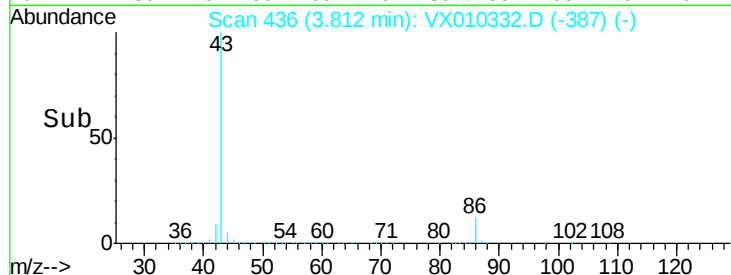
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.723 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

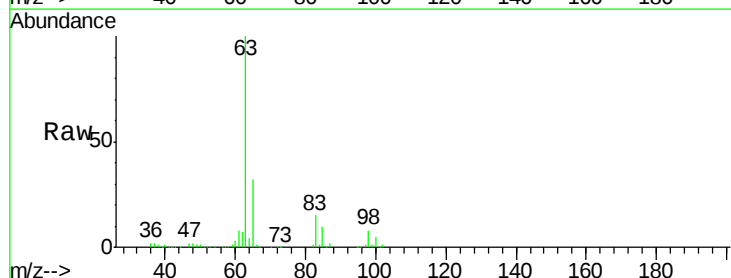
Tgt Ion: 63 Resp: 253898

Ion Ratio Lower Upper

63 100

98 7.9 2.9 8.8

100 4.8 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

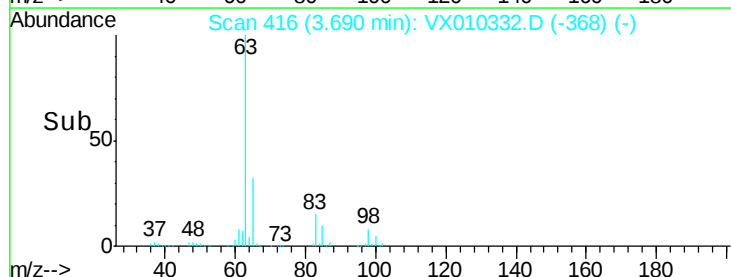
3.69

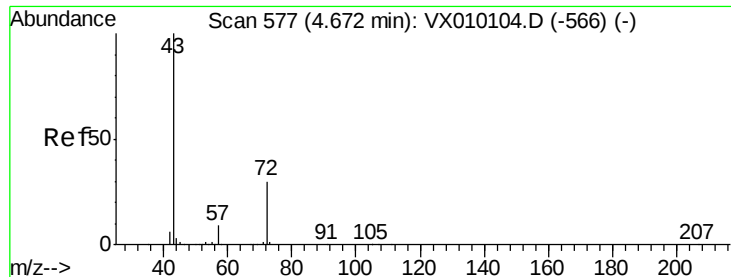
100000

50000

0

Time-->





#25

2-Butanone

Concen: 269.744 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 586485

Ion Ratio Lower Upper

43 100

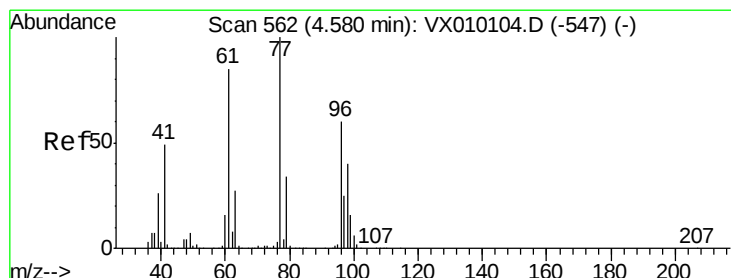
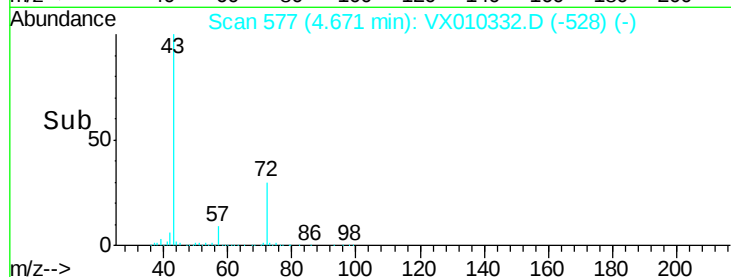
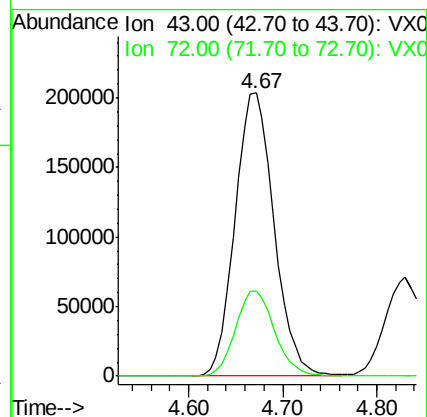
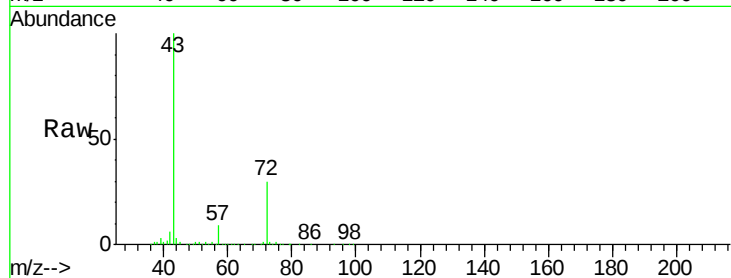
72 30.0 17.5 26.3#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.566 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX010332.D

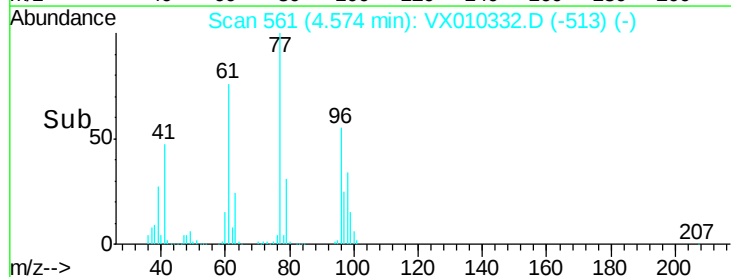
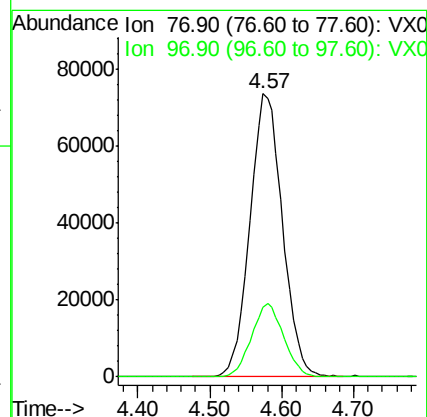
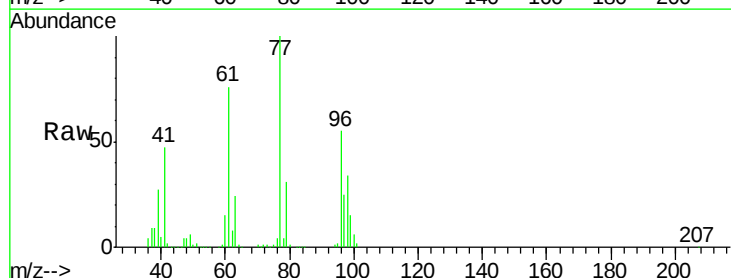
Acq: 18 Jun 2019 10:28

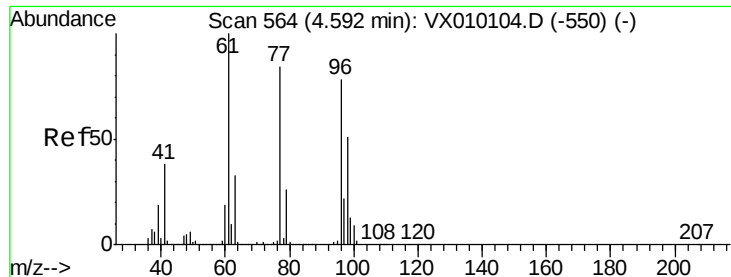
Tgt Ion: 77 Resp: 230911

Ion Ratio Lower Upper

77 100

97 25.7 11.4 34.2





#27

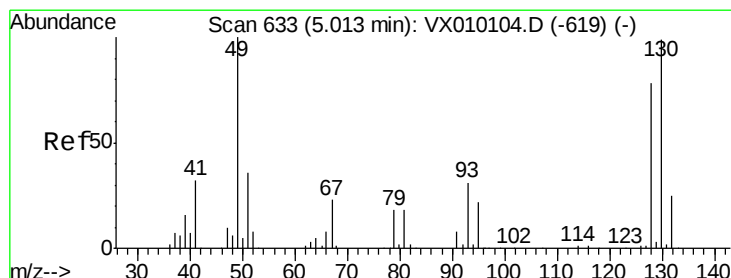
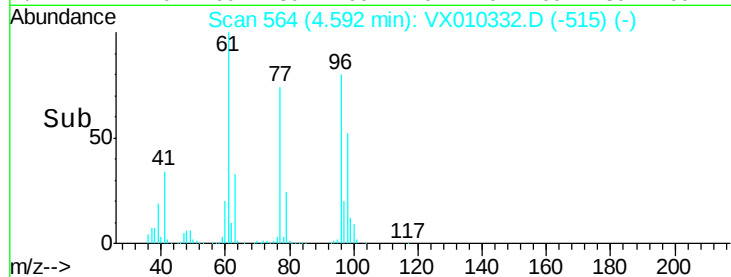
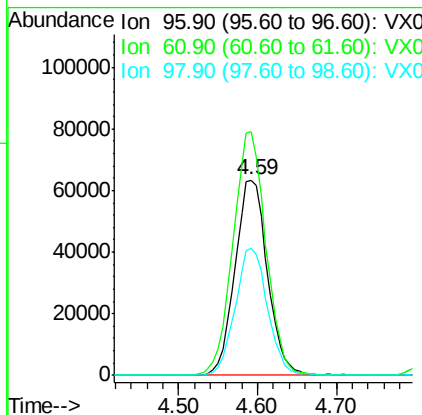
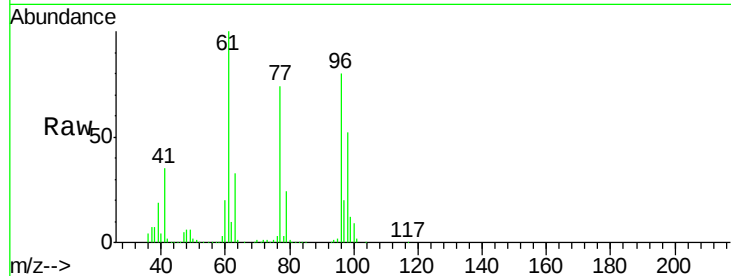
cis-1,2-Dichloroethene
Concen: 51.573 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	0.0	334.0
98	64.9	0.0	131.6

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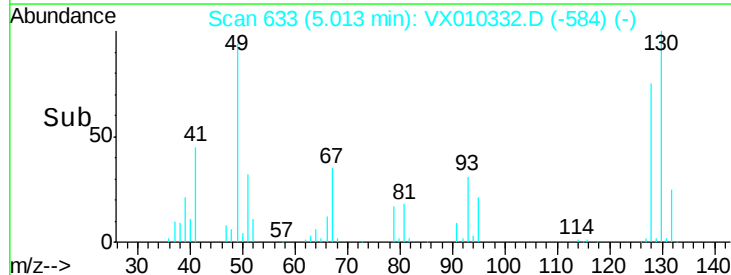
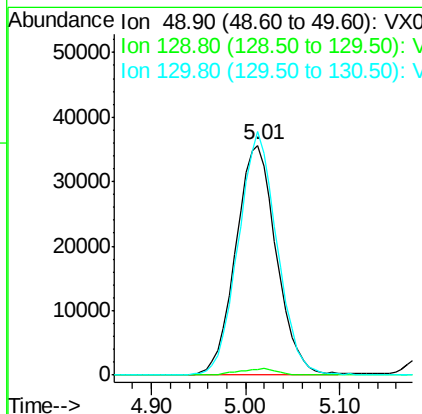
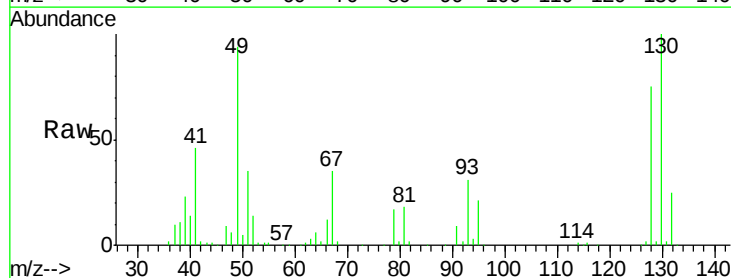
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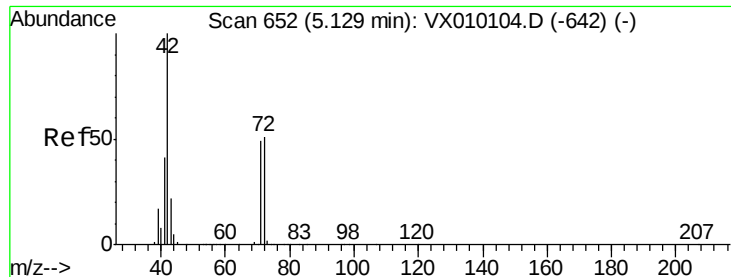


#28

Bromochloromethane
Concen: 47.855 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	3.4
130	101.2	49.4	74.2#





#29

Tetrahydrofuran

Concen: 255.546 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

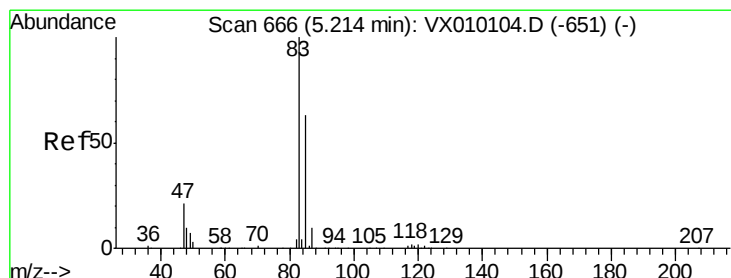
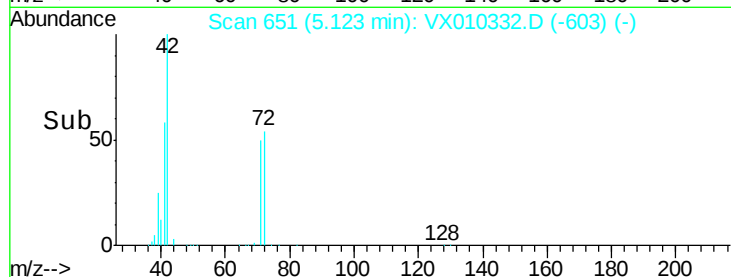
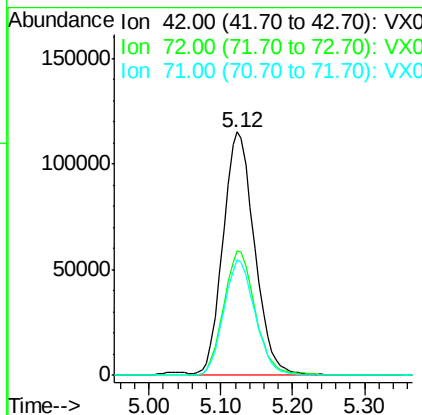
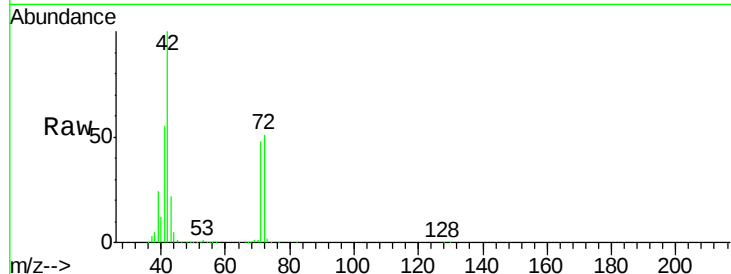
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	349179
Ion	Ratio	Lower	Upper
42	100		
72	51.6	29.2	43.8#
71	47.2	27.6	41.4#

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#30

Chloroform

Concen: 51.967 ug/l

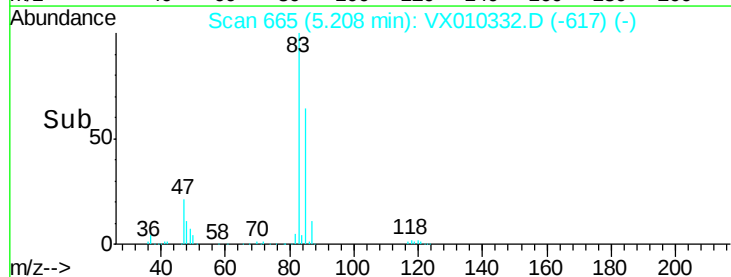
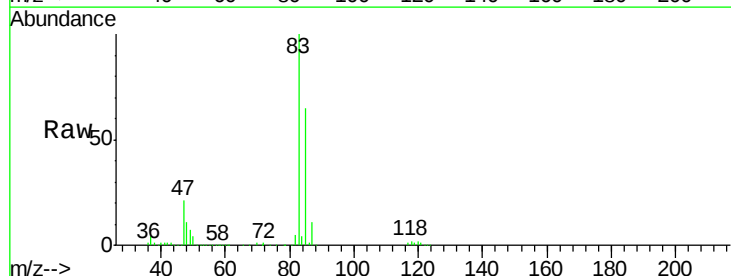
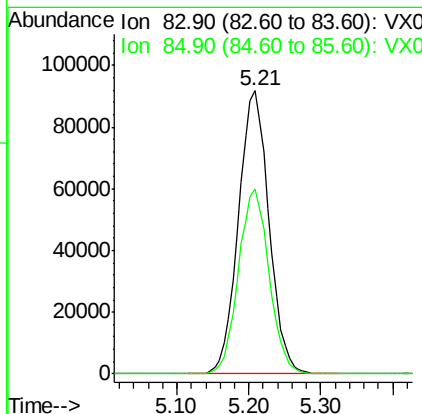
RT: 5.21 min Scan# 665

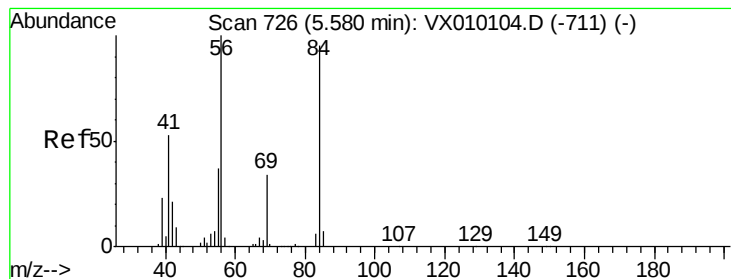
Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion:	83	Resp:	270146
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8





#31

Cyclohexane

Concen: 50.534 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

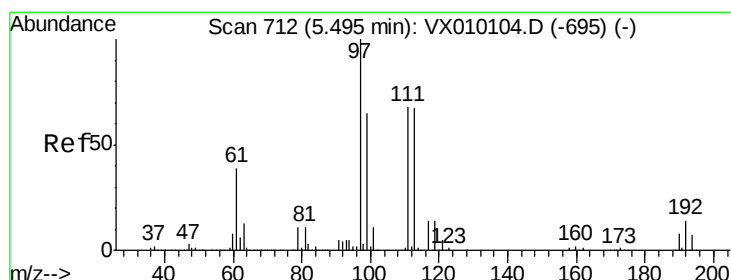
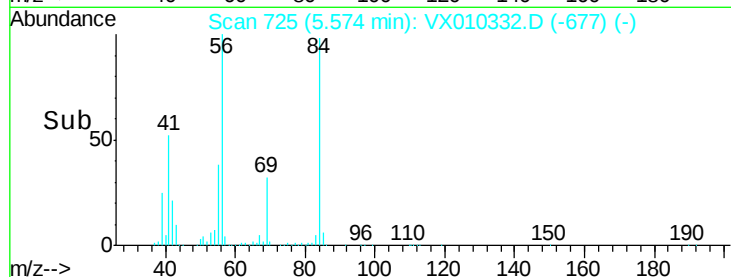
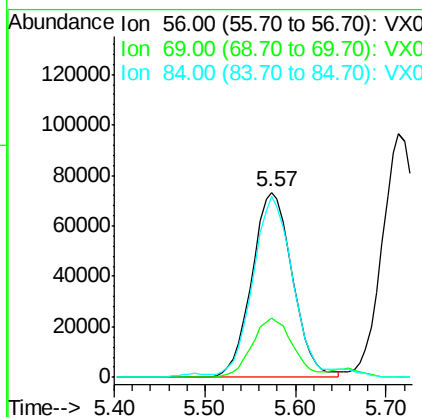
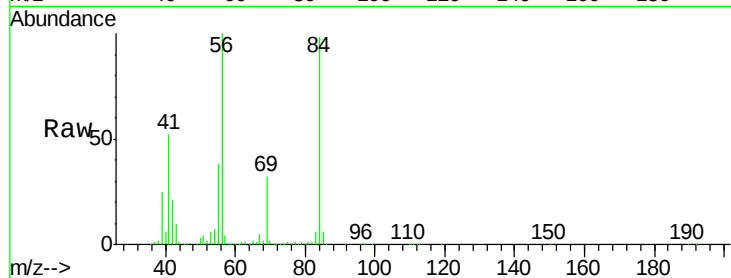
VSTDCCC050

Tot Ion: 56 Resp: 228289

Ion	Ratio	Lower	Upper
56	100		
69	32.1	21.6	32.4
84	96.0	56.8	85.2#

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#32

1,1,1-Trichloroethane

Concen: 50.419 ug/l

RT: 5.49 min Scan# 712

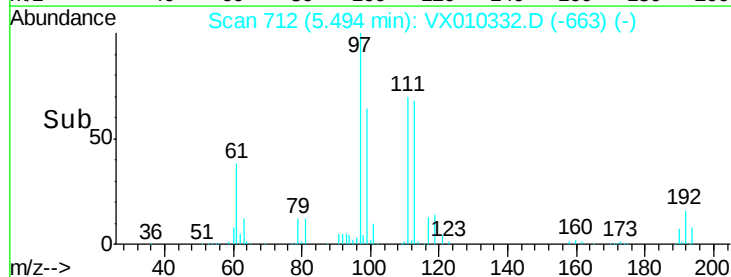
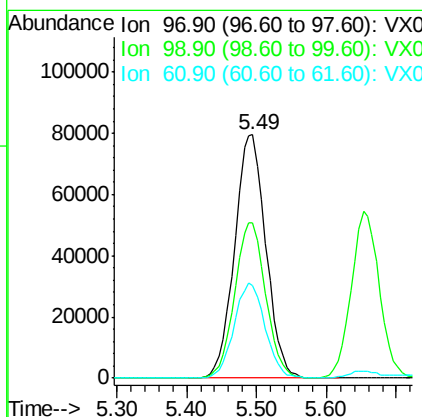
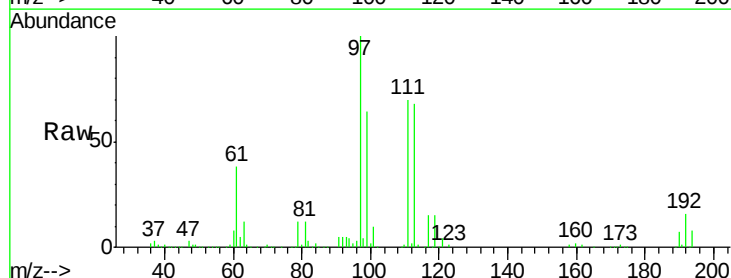
Delta R.T. -0.00 min

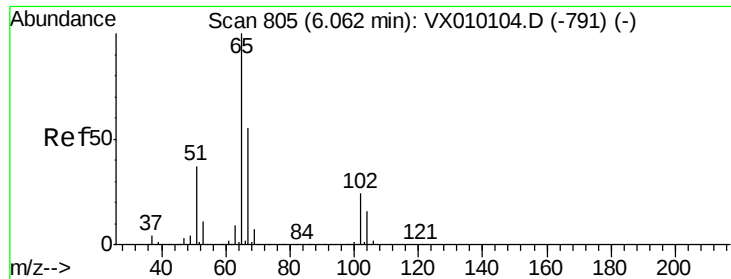
Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion: 97 Resp: 246401

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	38.9	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 49.723 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 154357

Ion Ratio Lower Upper

65 100

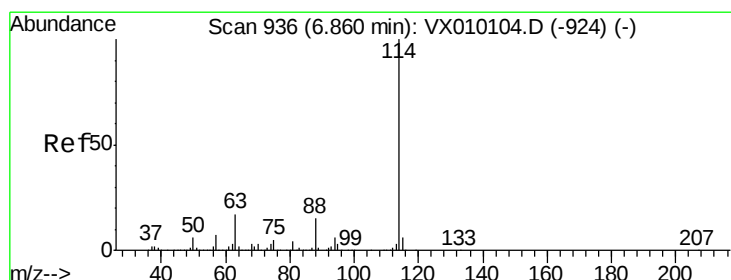
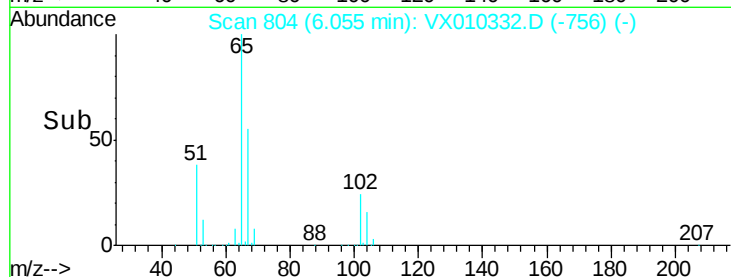
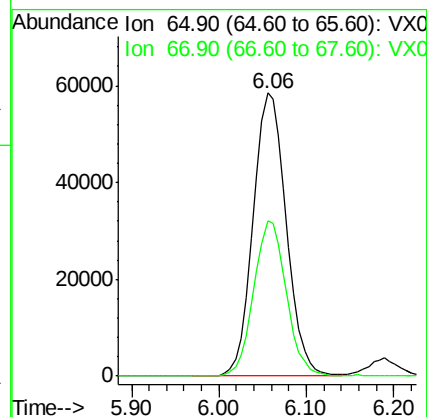
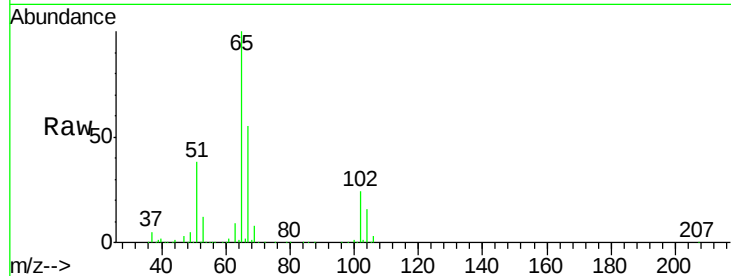
67 53.8 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

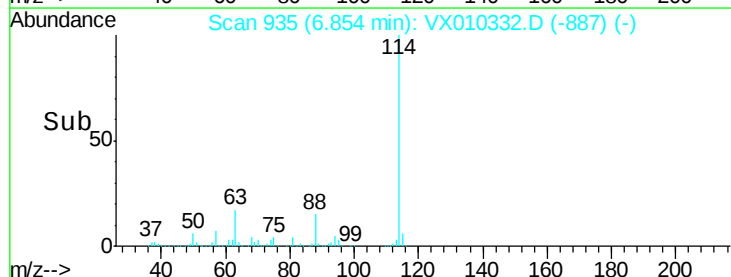
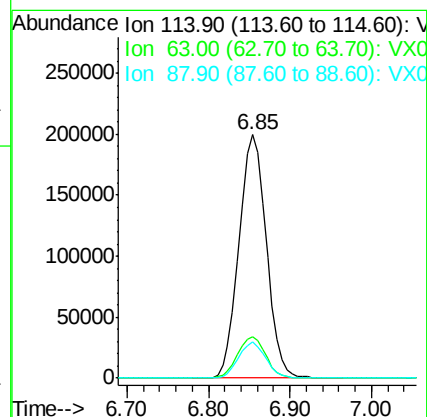
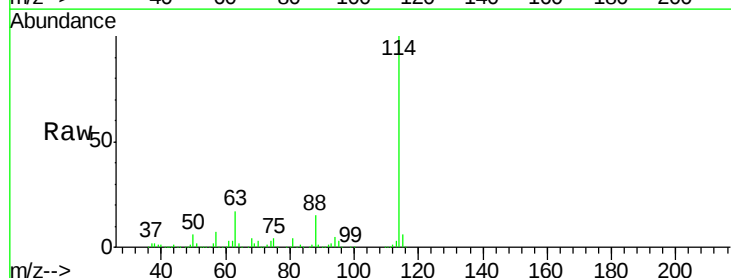
Tgt Ion: 114 Resp: 463715

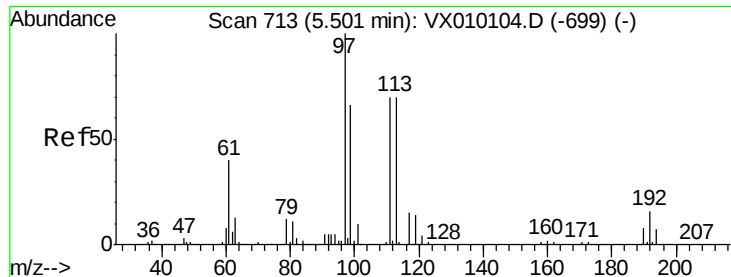
Ion Ratio Lower Upper

114 100

63 17.0 0.0 47.4

88 14.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 54.039 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

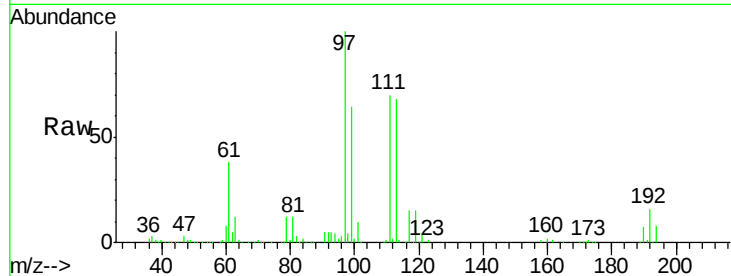
ClientSampleId :

VSTDCCC050

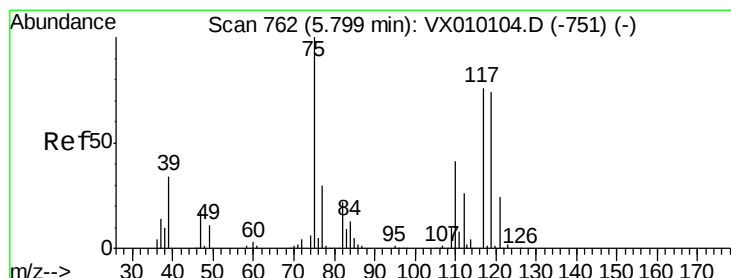
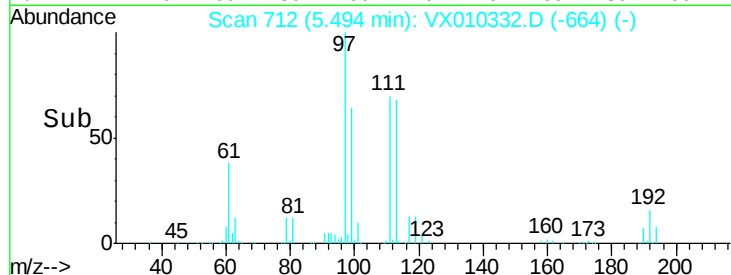
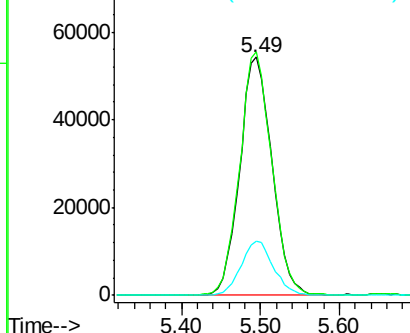
Tot Ion:	113	Resp:	154569
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.2	123.2
192	22.7	17.1	25.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.243 ug/l

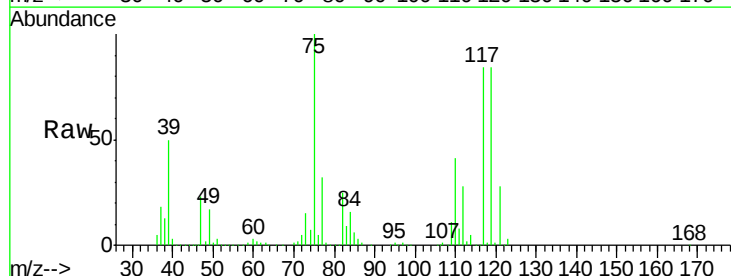
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

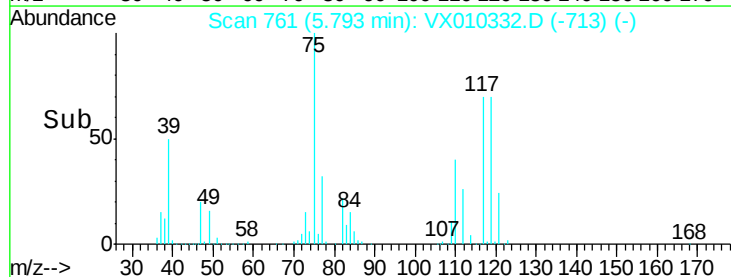
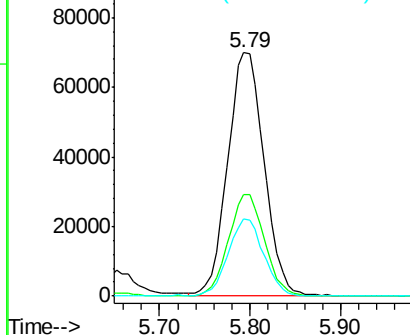
Lab File: VX010332.D

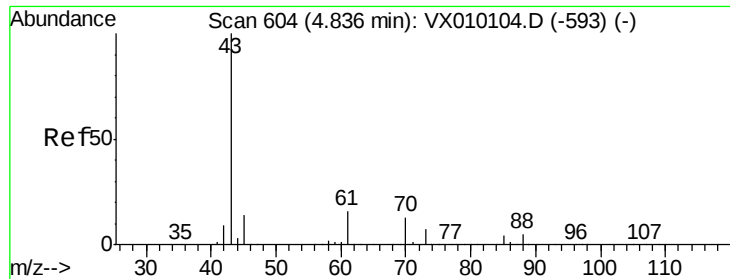
Acq: 18 Jun 2019 10:28

Tgt Ion:	75	Resp:	193862
Ion Ratio	Lower	Upper	
75	100		
110	41.3	16.7	50.1
77	31.0	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





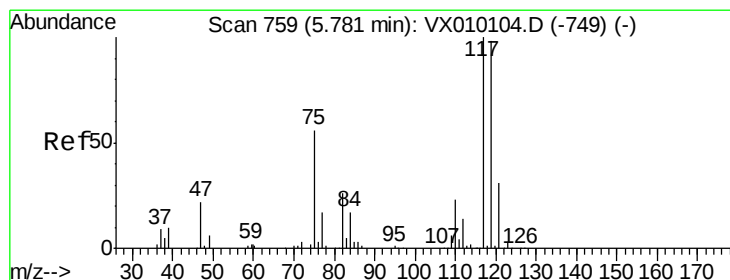
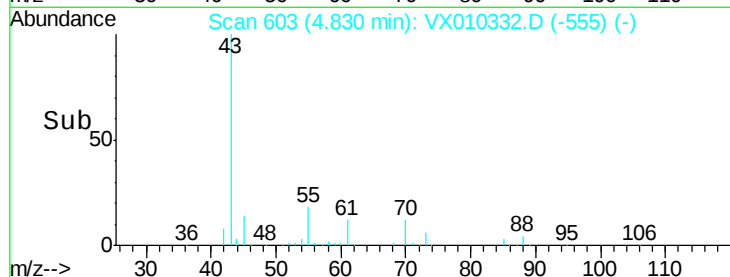
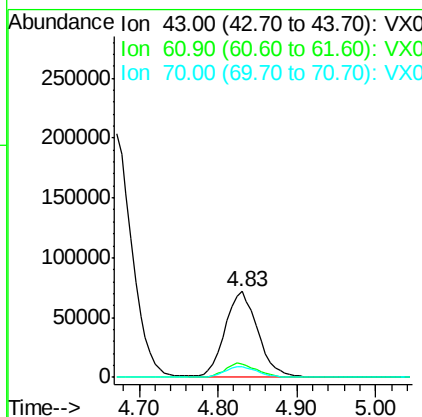
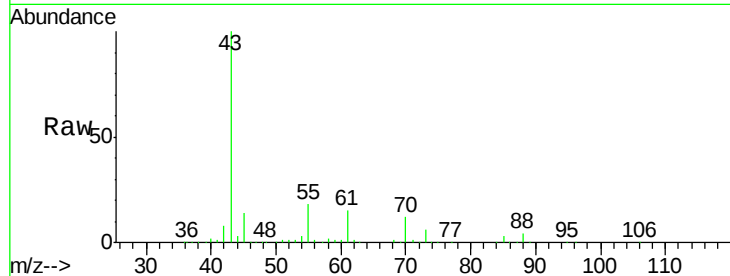
#37
Ethyl Acetate
Concen: 52.362 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	10.2	15.2#
70	12.5	7.4	11.2#

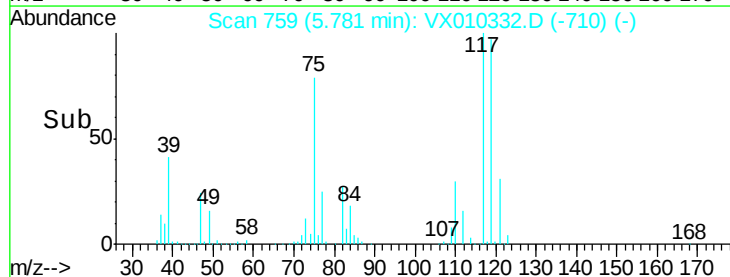
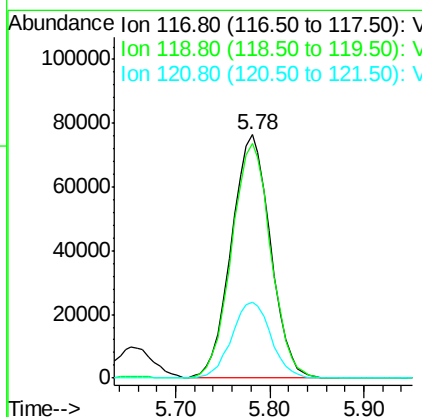
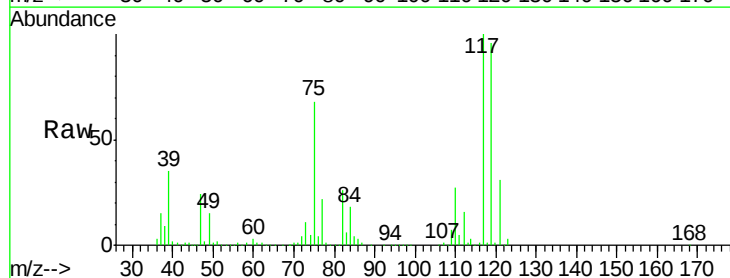
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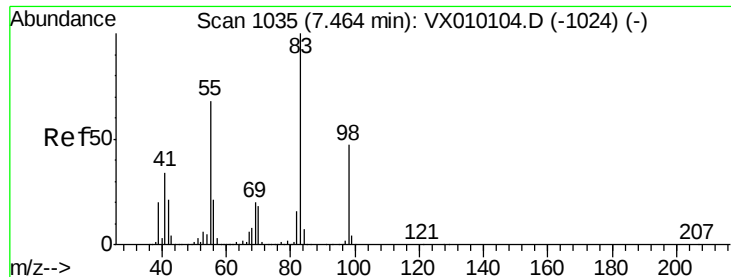
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#38
Carbon Tetrachloride
Concen: 51.607 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.3	115.9
121	31.2	25.4	38.0





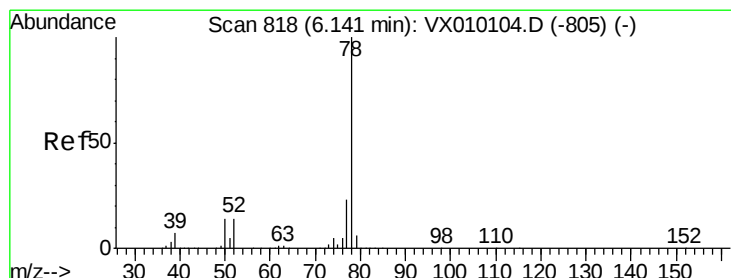
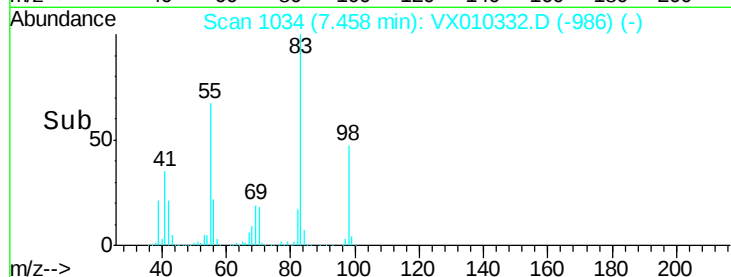
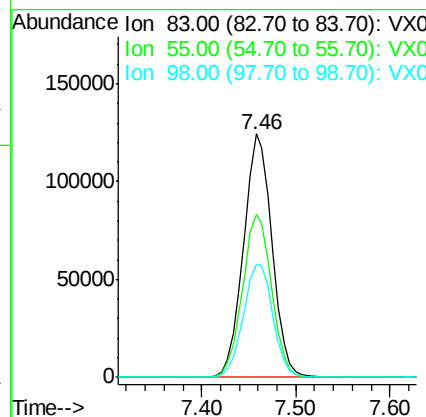
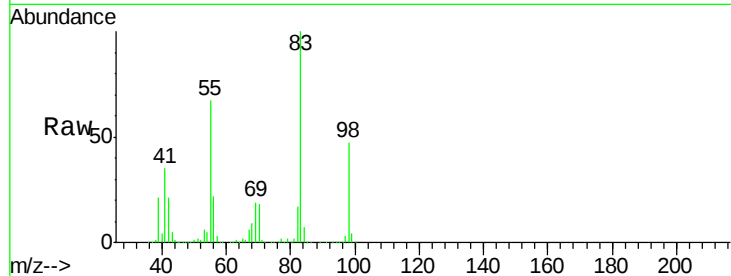
#39
Methvlcvclohexane
Concen: 51.075 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	263116		
55	66.7	69.9	104.9#	
98	46.7	35.1	52.7	

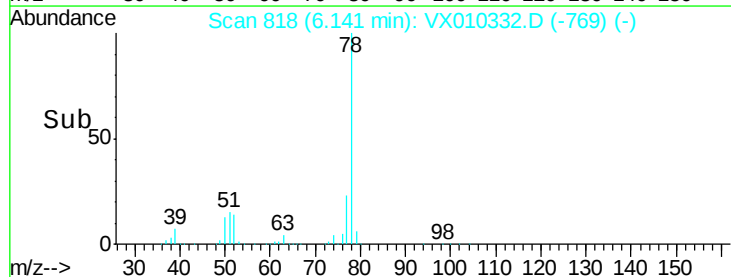
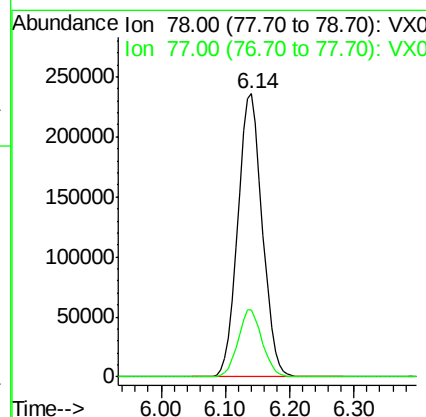
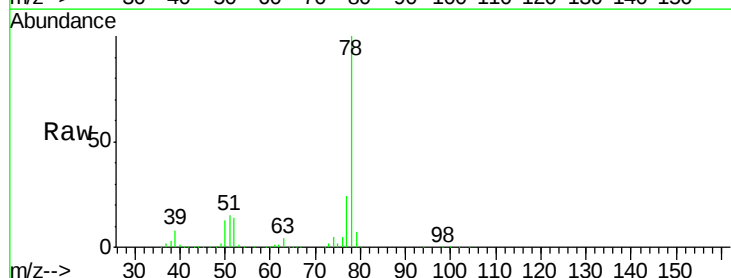
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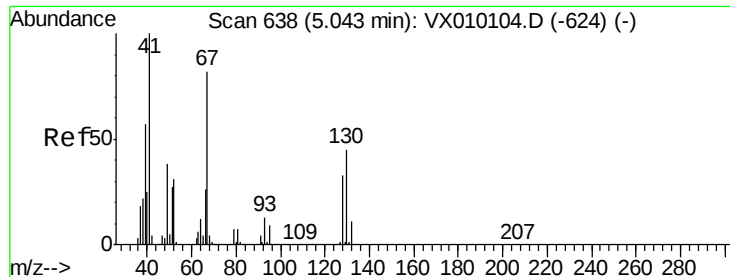
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#40
Benzene
Concen: 53.329 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	623870		
77	23.5	19.2	28.8	





#41

Methacrylonitrile

Concen: 53.009 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 112871
Ion Ratio Lower Upper

41 100

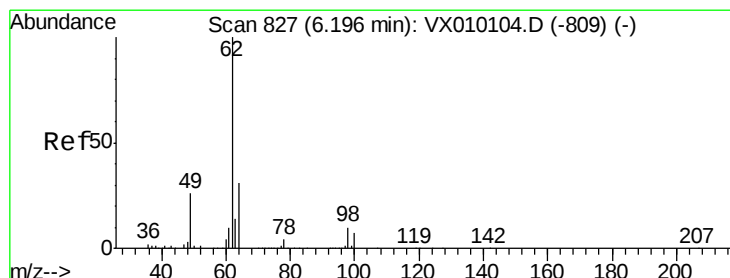
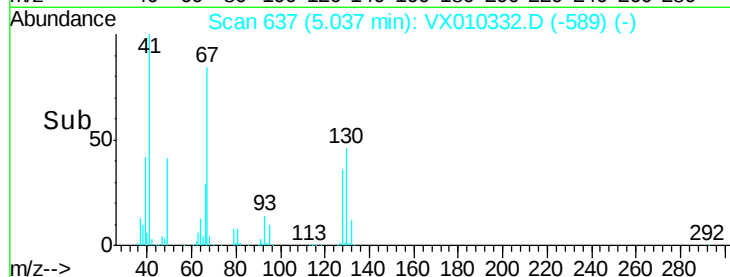
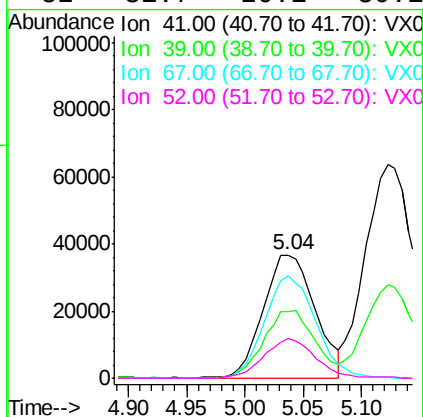
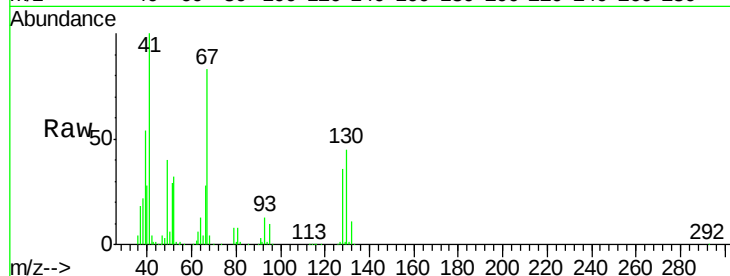
39 53.8 42.2 63.4

67 82.4 48.9 73.3#

52 31.7 20.1 30.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.056 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

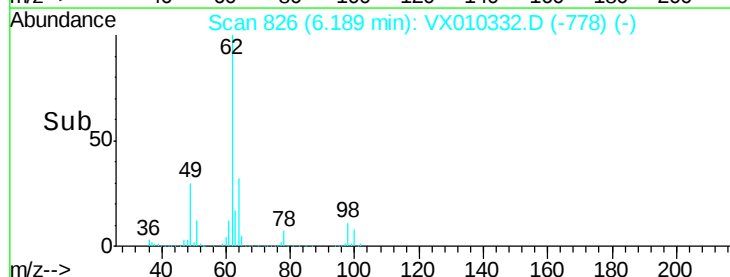
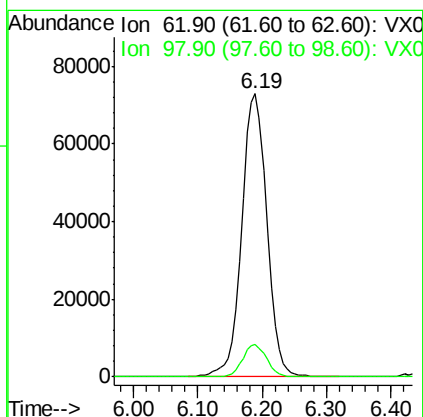
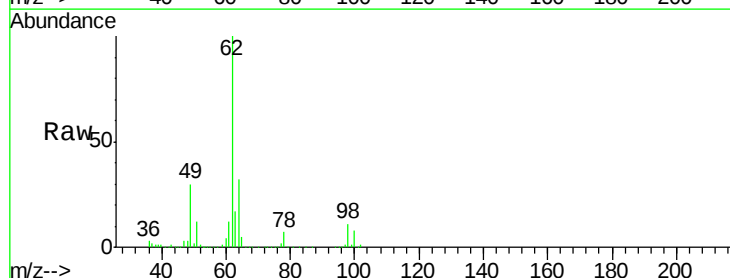
Lab File: VX010332.D

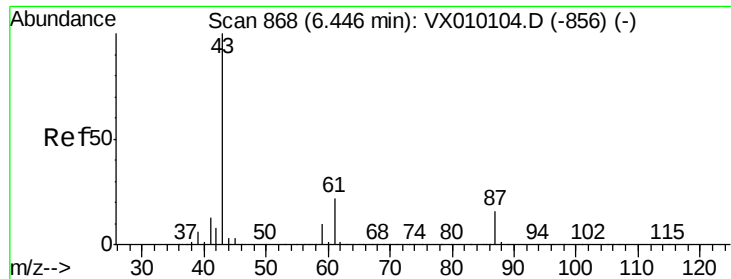
Acq: 18 Jun 2019 10:28

Tgt Ion: 62 Resp: 194414
Ion Ratio Lower Upper

62 100

98 11.1 0.0 17.2





#43

Isopropyl Acetate

Concen: 53.033 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

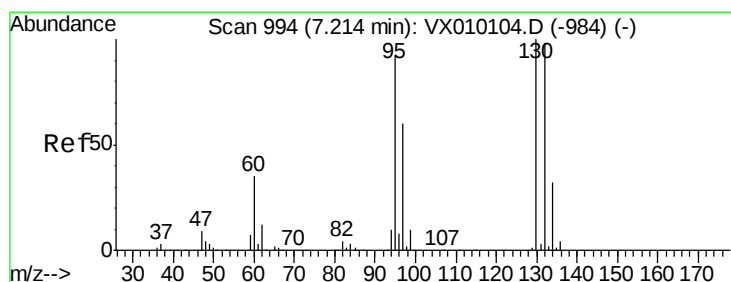
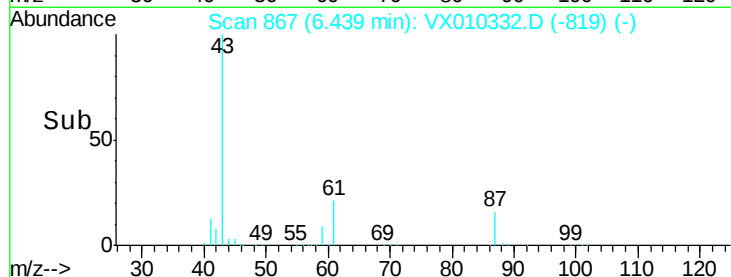
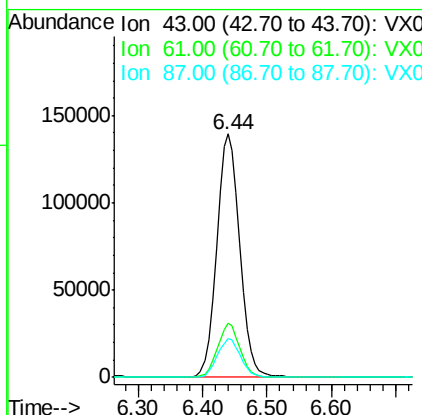
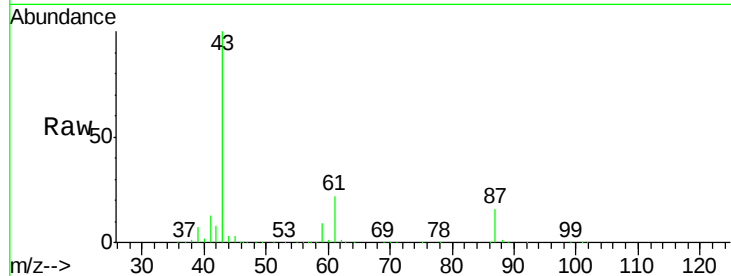
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	349036
Ion Ratio		Lower	Upper
43	100		
61	21.8	14.6	21.8
87	16.1	8.7	13.1

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#44

Trichloroethene

Concen: 53.240 ug/l

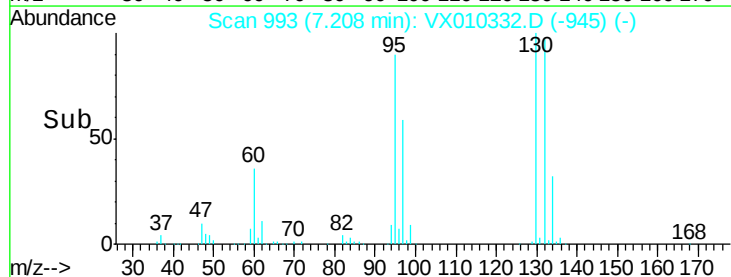
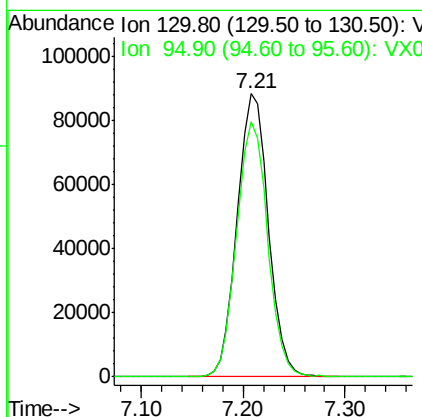
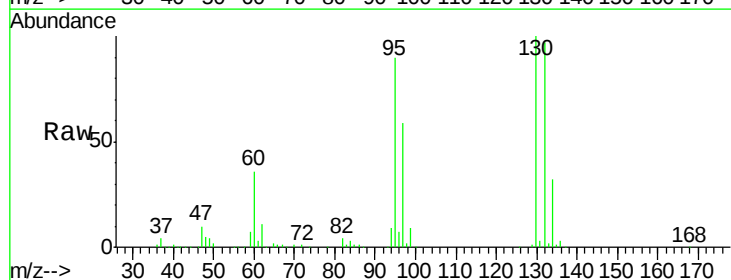
RT: 7.21 min Scan# 993

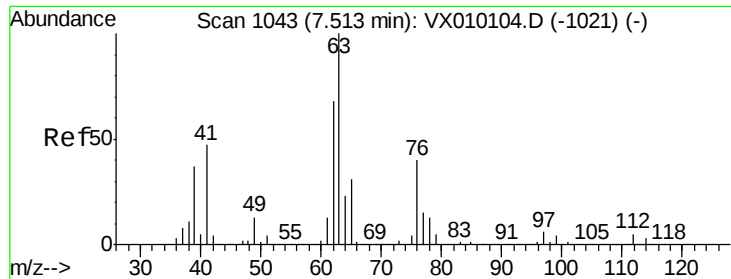
Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion:	130	Resp:	187736
Ion Ratio		Lower	Upper
130	100		
95	90.1	0.0	207.4





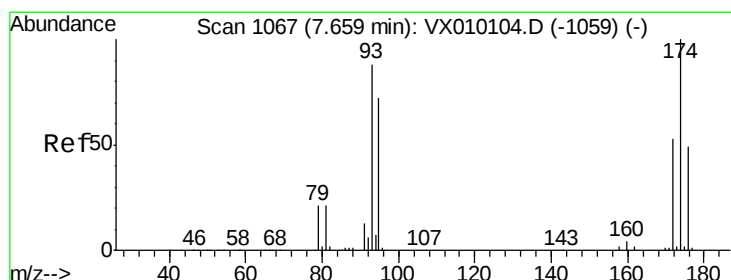
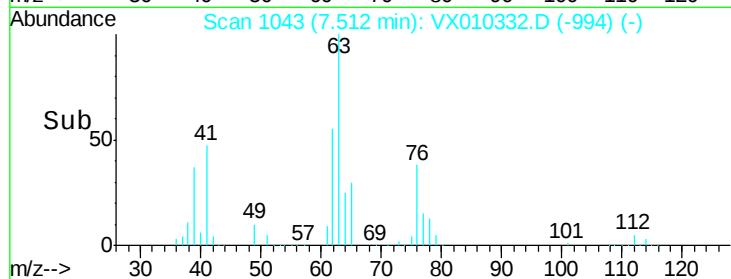
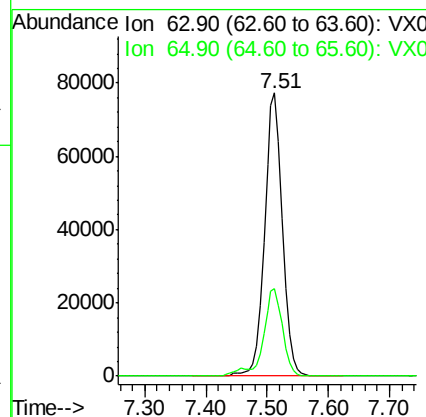
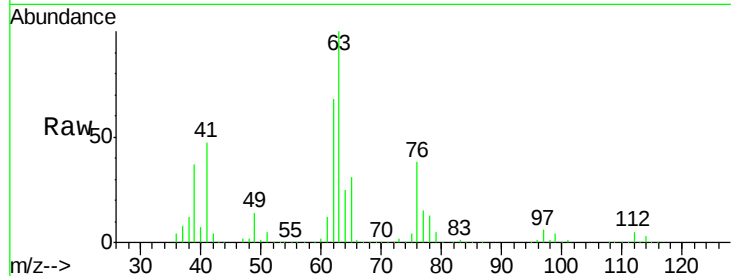
#45
 1,2-Dichloropropane
 Concen: 54.236 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 158803
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.7 38.5

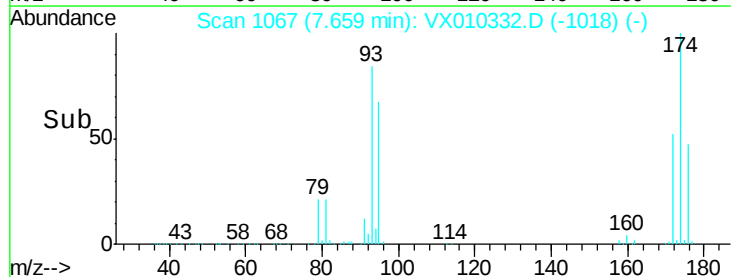
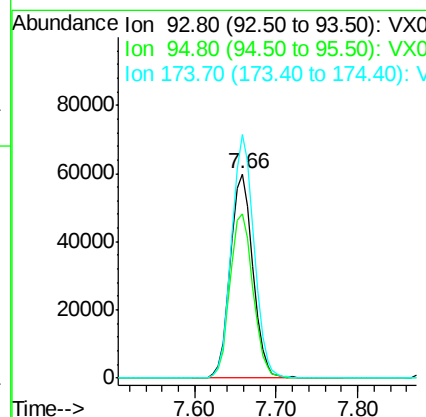
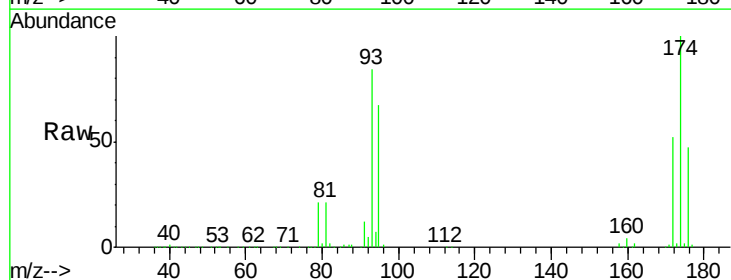
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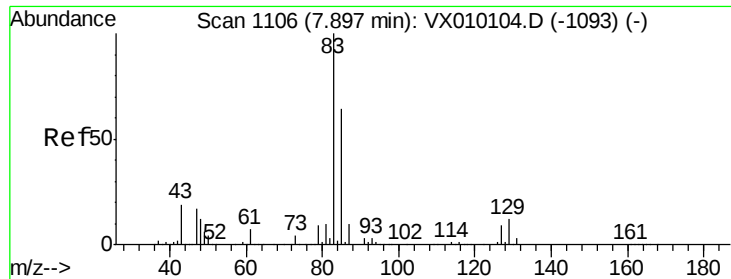
MMDadoda
 6/20/2019 8:58:22 AM



#46
 Dibromomethane
 Concen: 51.997 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Tgt Ion: 93 Resp: 114061
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.8 100.2
 174 118.1 81.9 122.9





#47

Bromodichloromethane

Concen: 53.577 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

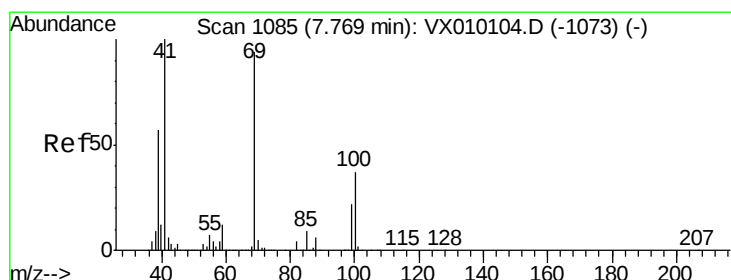
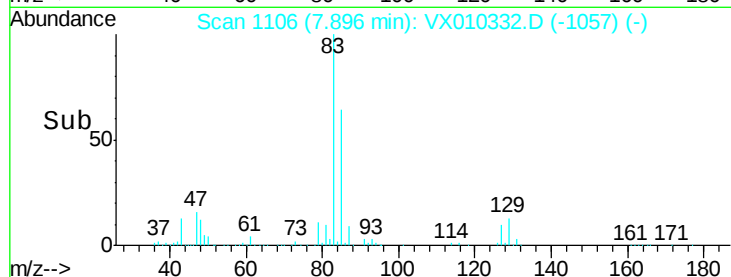
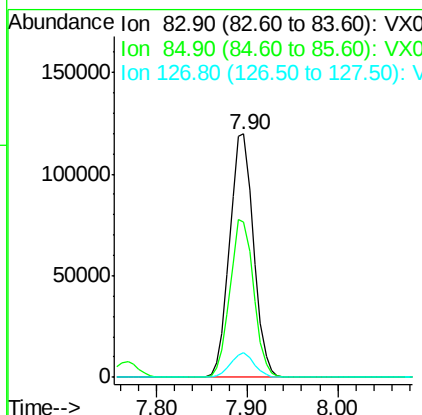
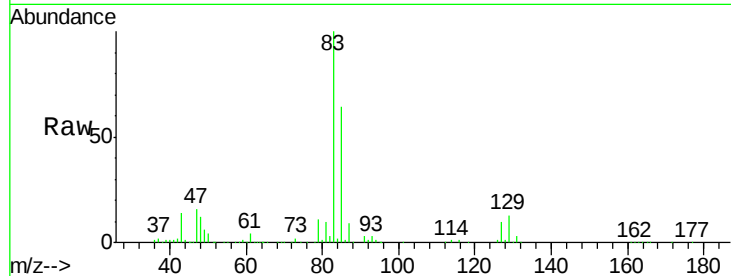
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	219610
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.4	77.2
127	10.1	6.4	9.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.922 ug/l

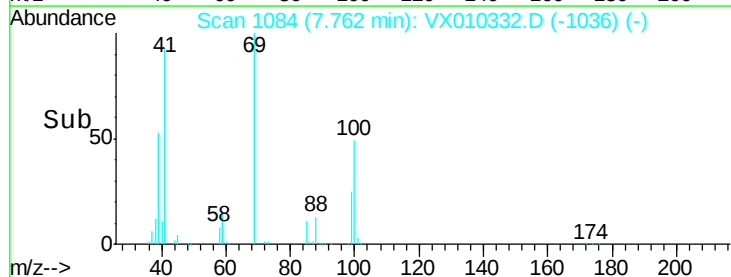
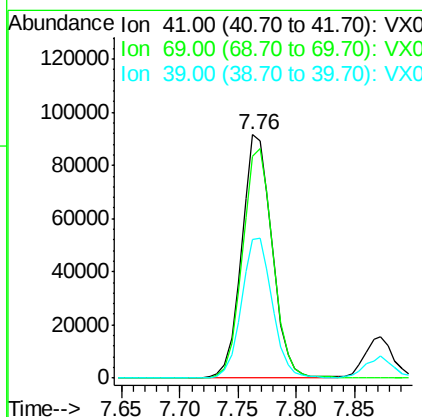
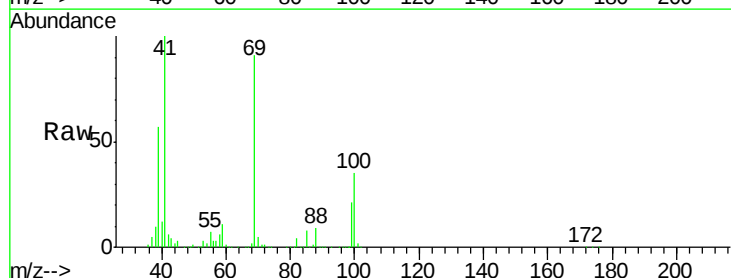
RT: 7.76 min Scan# 1084

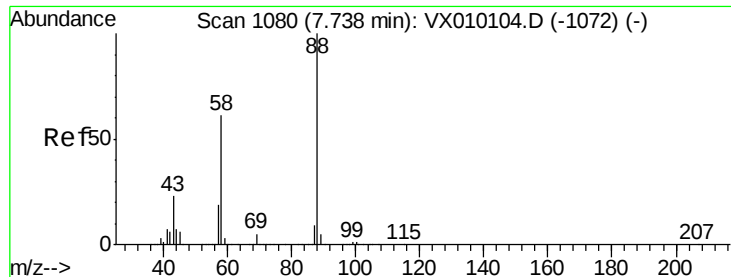
Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion:	41	Resp:	165970
Ion Ratio	Lower	Upper	
41	100		
69	95.2	56.4	84.6#
39	58.1	40.6	60.8





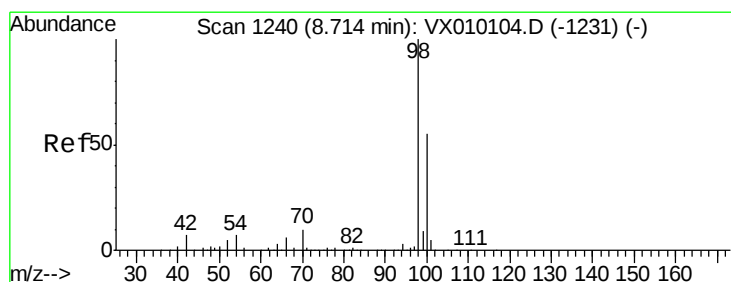
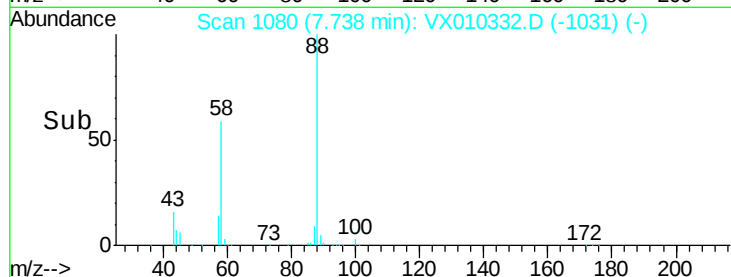
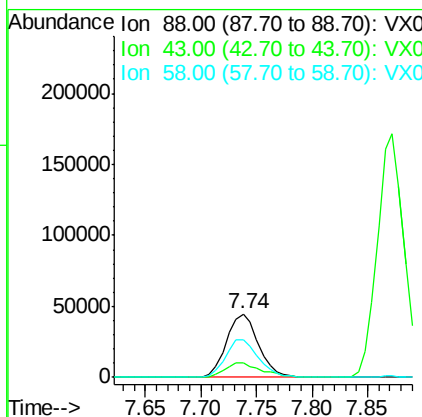
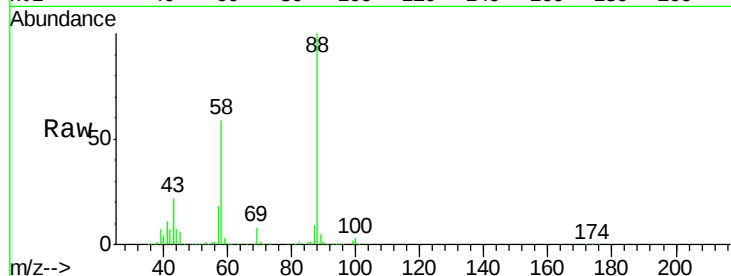
#49
1,4-Dioxane
Concen: 1005.758 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.8	30.2	45.4#
58	61.7	64.0	96.0#

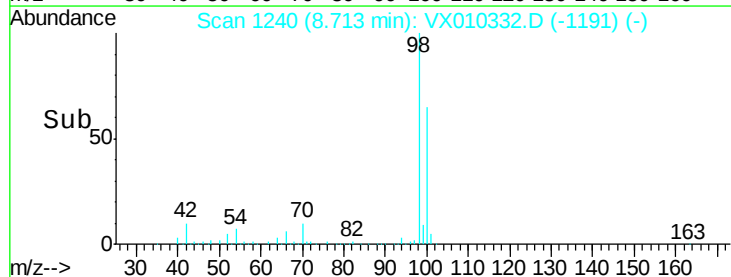
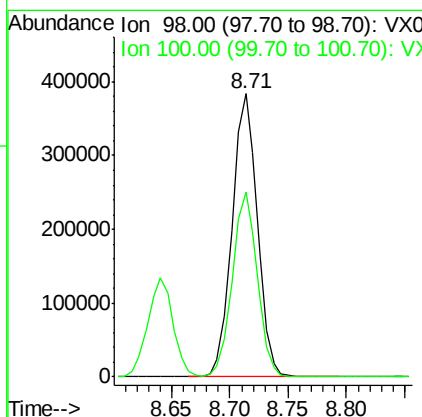
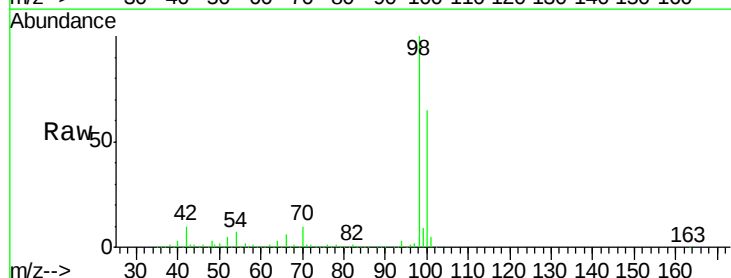
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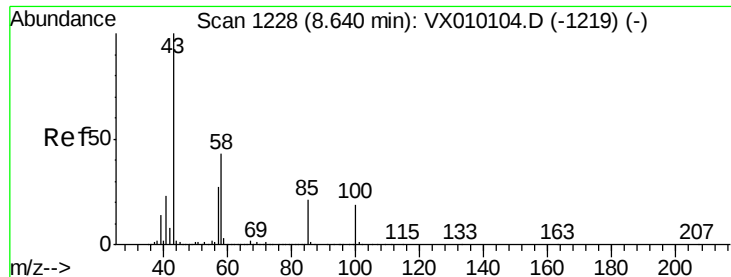
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#50
Toluene-d8
Concen: 54.035 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





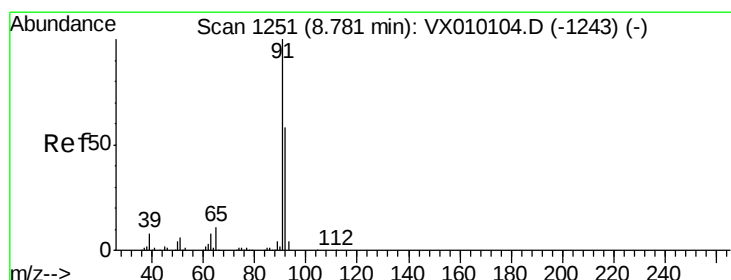
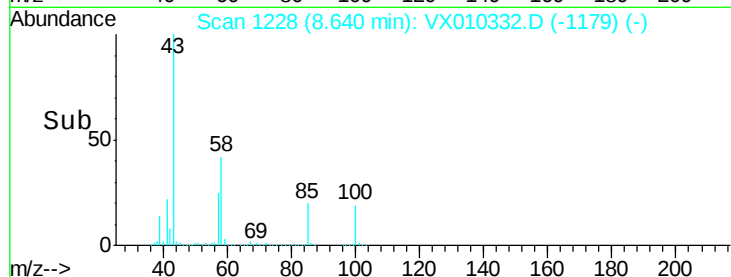
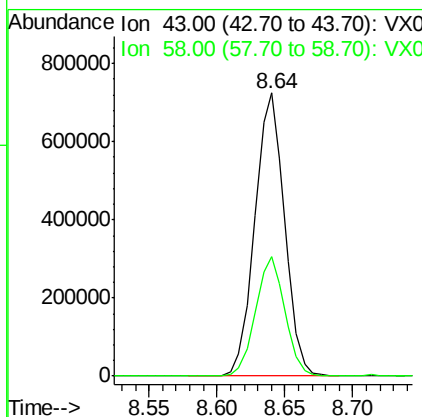
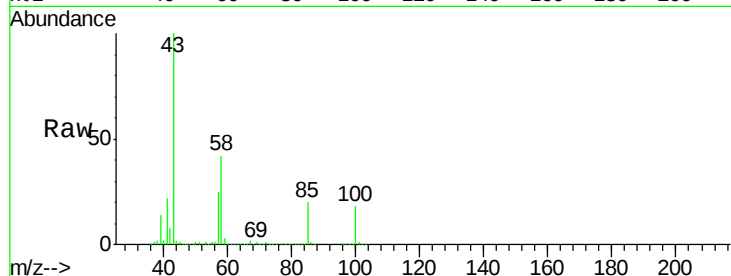
#51
4-Methyl-2-Pentanone
Concen: 282.751 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1111714
Ion Ratio Lower Upper
43 100
58 41.6 28.8 43.2

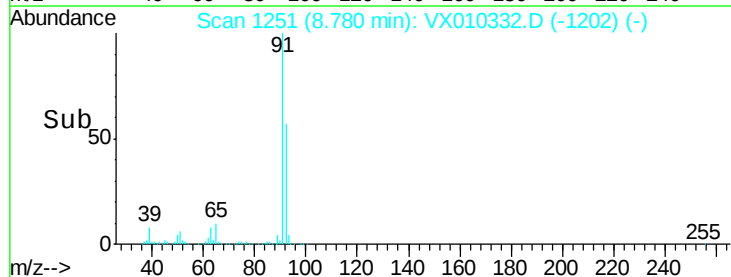
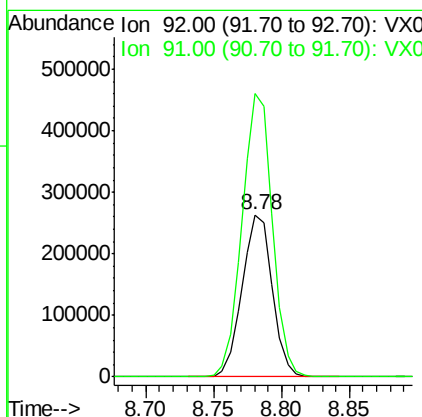
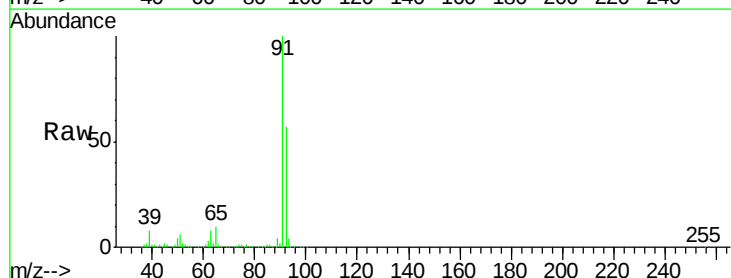
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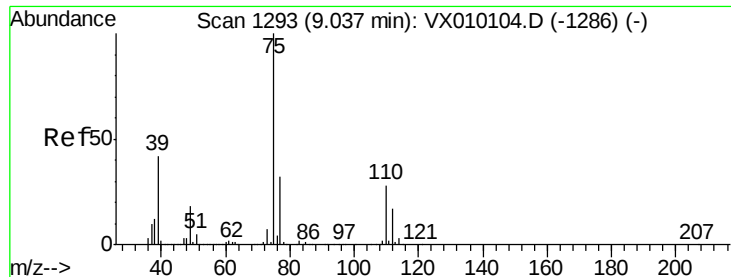
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#52
Toluene
Concen: 53.100 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion: 92 Resp: 408335
Ion Ratio Lower Upper
92 100
91 175.3 139.9 209.9





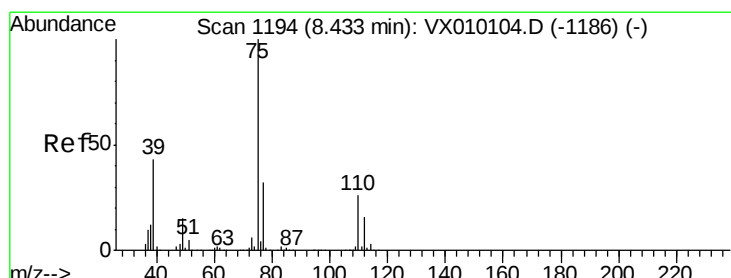
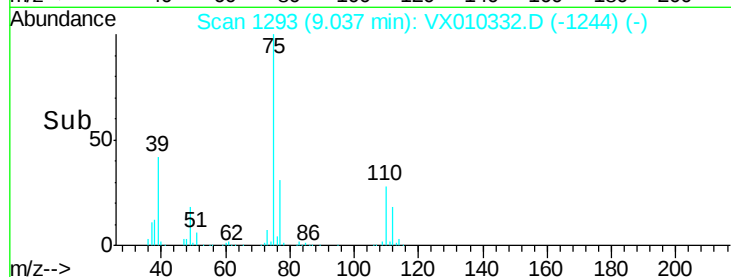
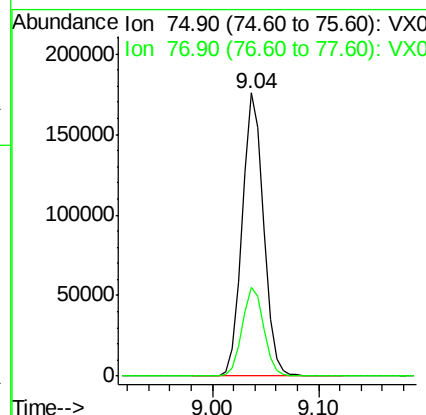
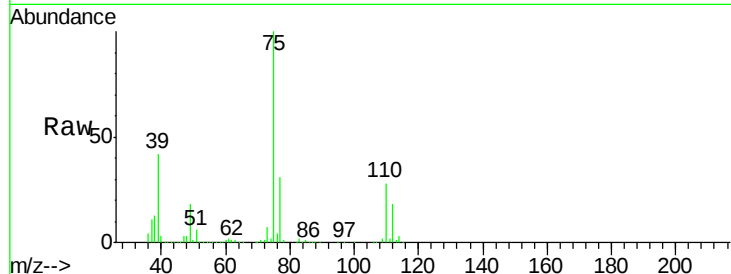
#53
t-1,3-Dichloropropene
Concen: 52.356 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8

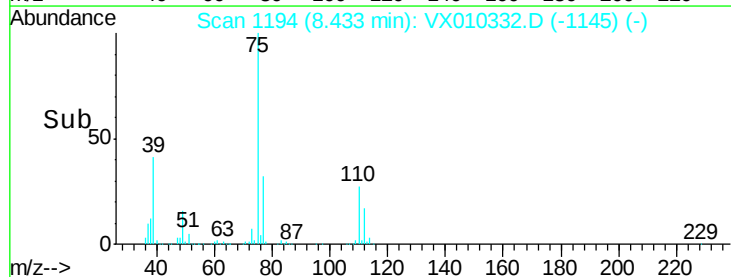
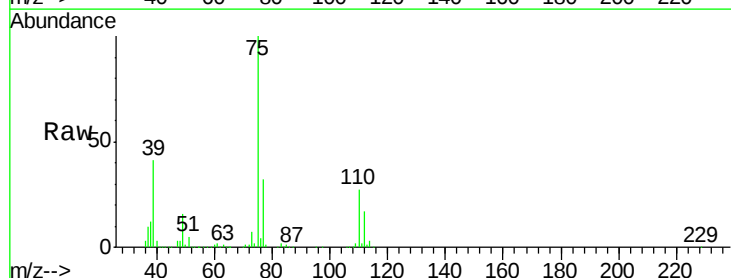
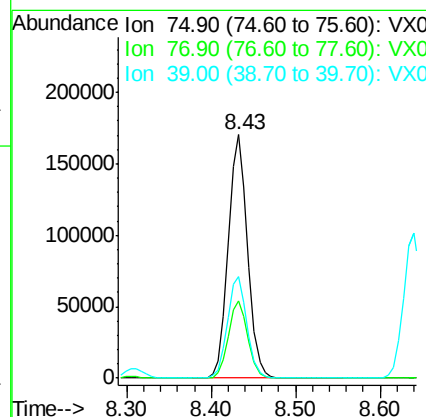
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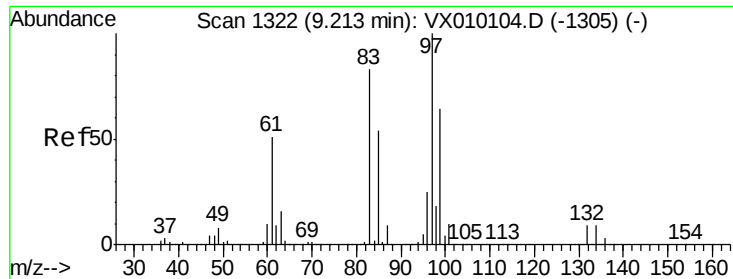
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#54
cis-1,3-Dichloropropene
Concen: 52.799 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2
39	41.5	43.4	65.0#





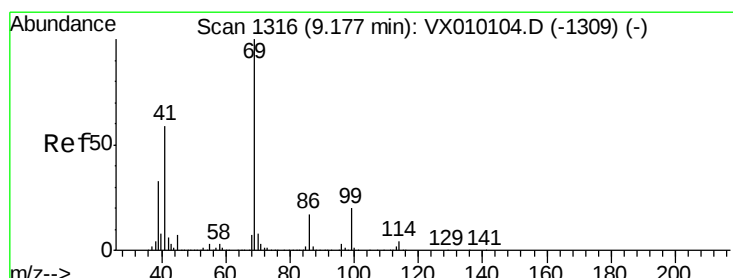
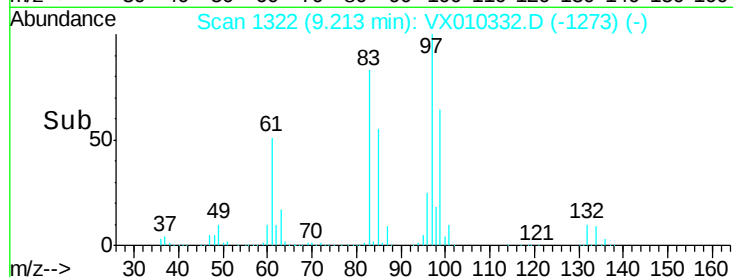
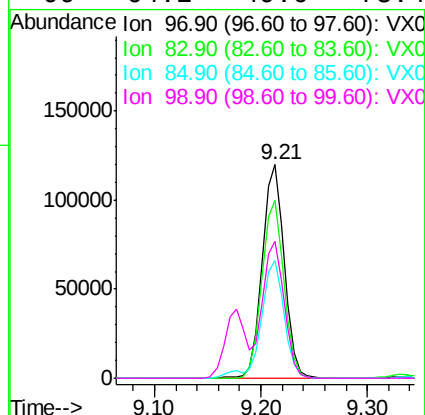
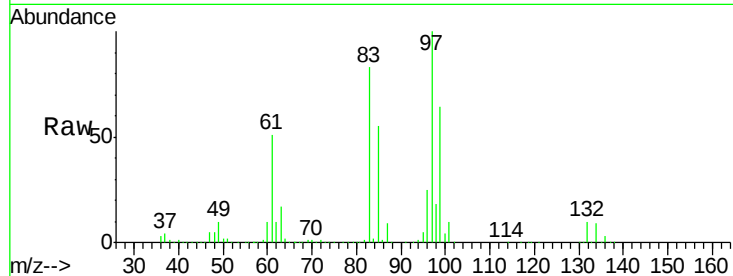
#55
 1,1,2-Trichloroethane
 Concen: 55.418 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	174529
Ion	Ratio	Lower	Upper
97	100		
83	83.5	69.8	104.8
85	55.1	45.3	67.9
99	64.2	49.0	73.4

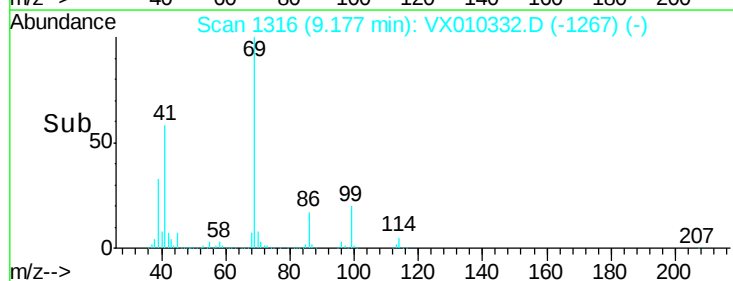
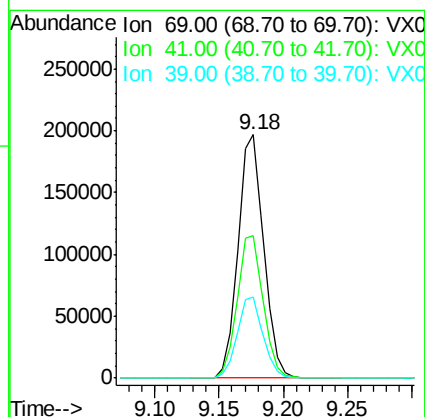
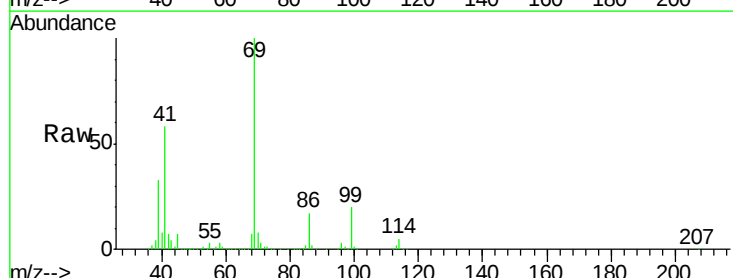
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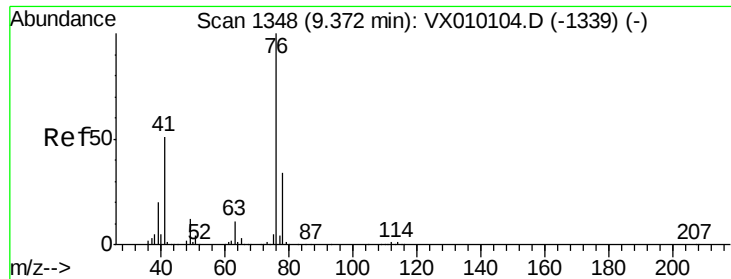
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#56
 Ethyl methacrylate
 Concen: 54.606 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Tgt Ion:	69	Resp:	271660
Ion	Ratio	Lower	Upper
69	100		
41	59.5	62.7	94.1#
39	33.5	29.5	44.3





#57

1,3-Dichloropropane

Concen: 54.240 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 268931

Ion Ratio Lower Upper

76 100

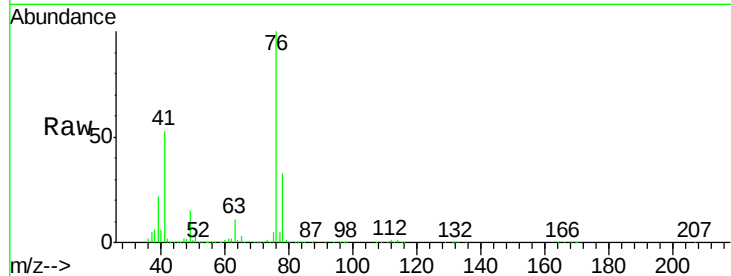
78 32.7 25.4 38.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

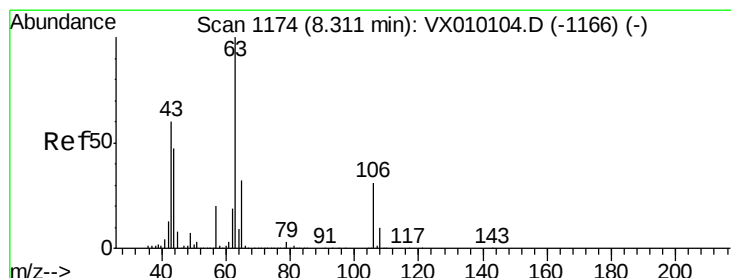
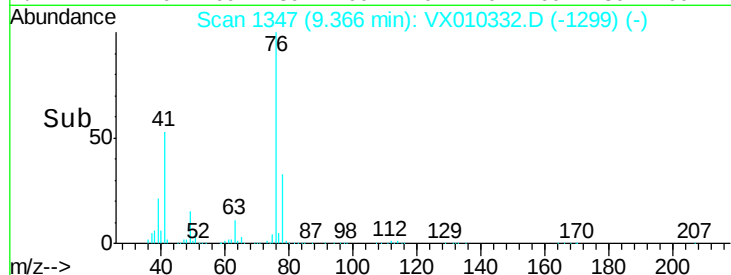
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 237.789 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010332.D

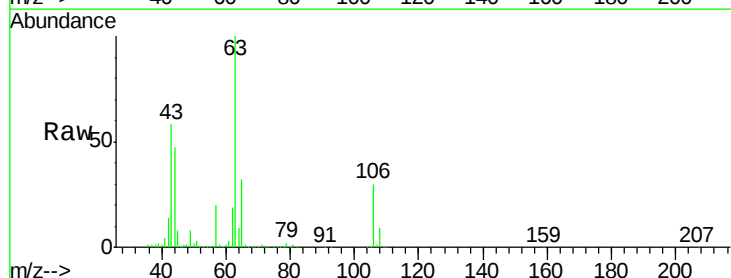
Acq: 18 Jun 2019 10:28

Tgt Ion: 63 Resp: 557681

Ion Ratio Lower Upper

63 100

106 30.9 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

400000

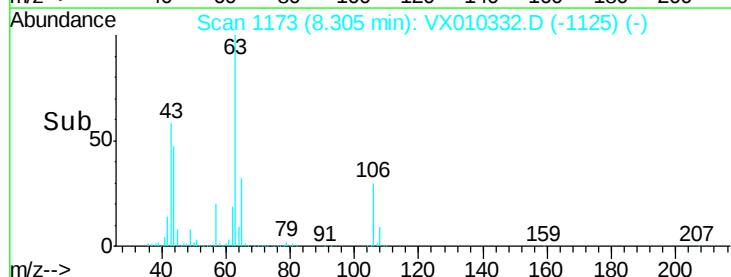
300000

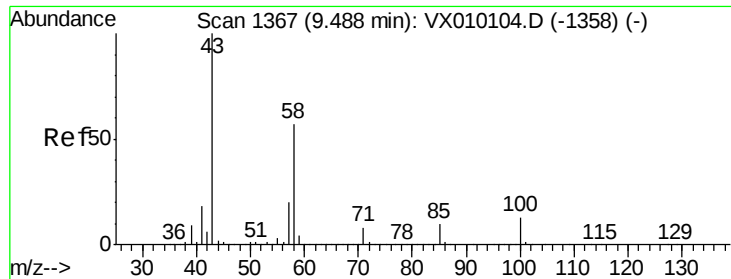
200000

100000

0

Time-->





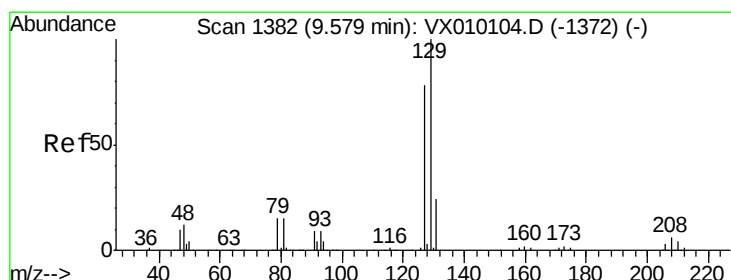
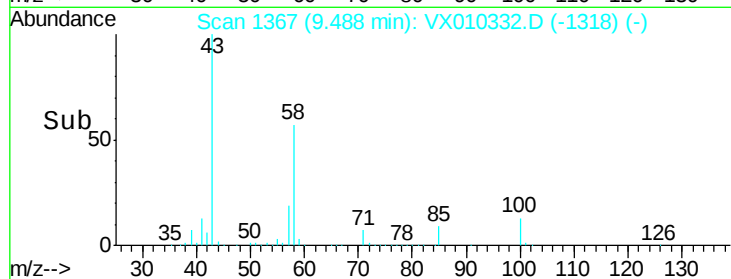
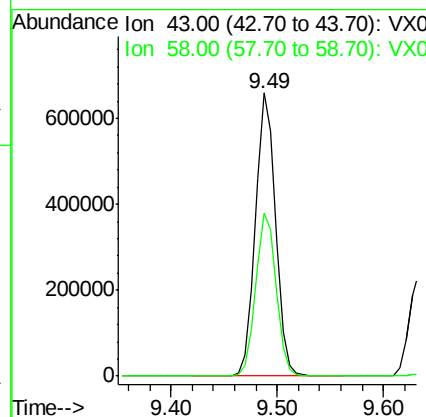
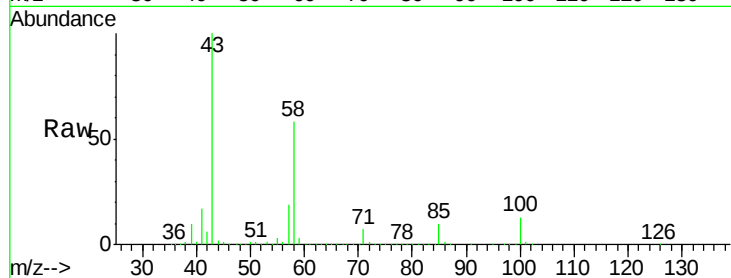
#59
2-Hexanone
Concen: 279.797 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 877122
Ion Ratio Lower Upper
43 100
58 58.4 25.1 75.3

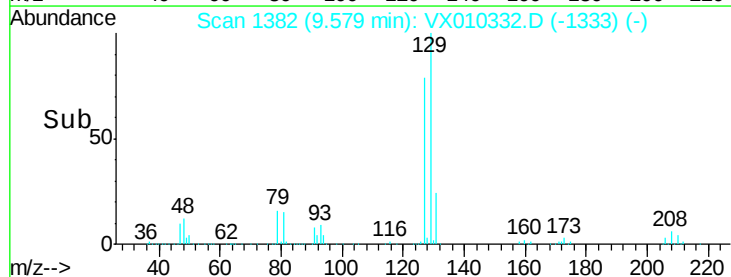
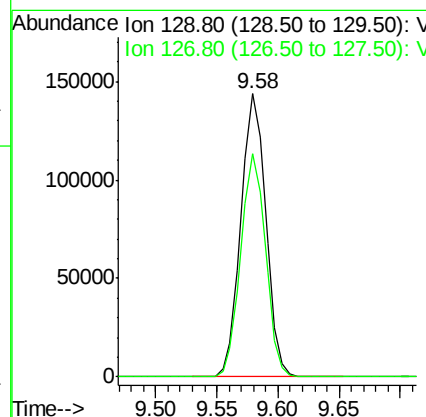
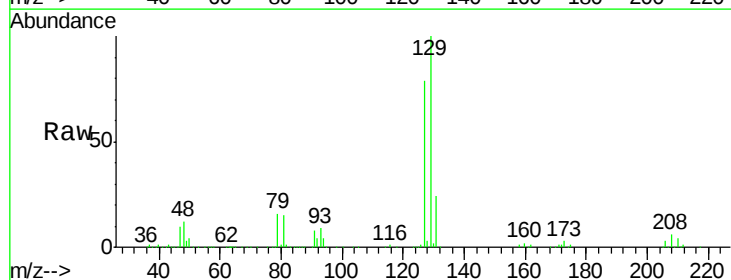
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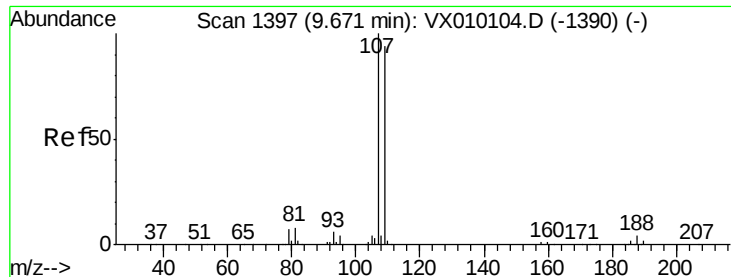
MMDadoda
6/20/2019 8:58:22 AM



#60
Dibromochloromethane
Concen: 54.504 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion:129 Resp: 203033
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.340 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 187093

Ion Ratio Lower Upper

107 100

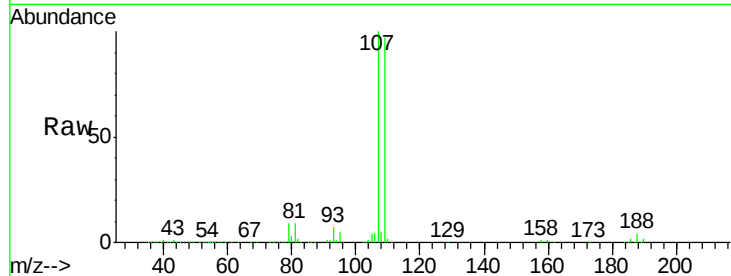
109 95.1 75.4 113.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

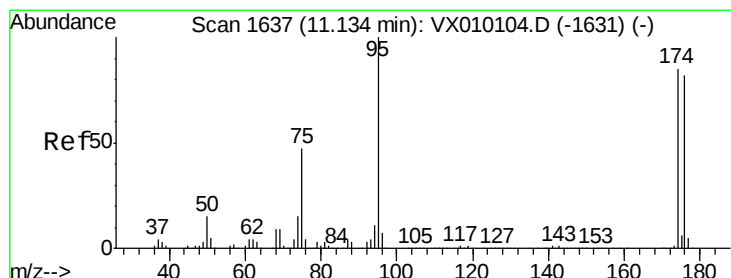
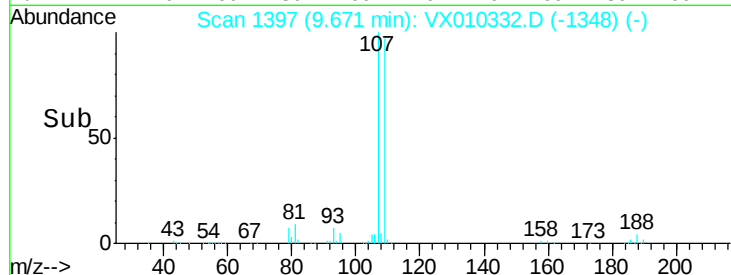
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.400 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

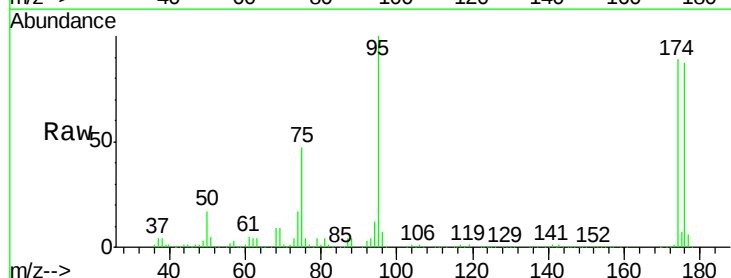
Tgt Ion: 95 Resp: 217787

Ion Ratio Lower Upper

95 100

174 93.5 0.0 160.4

176 90.5 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

200000

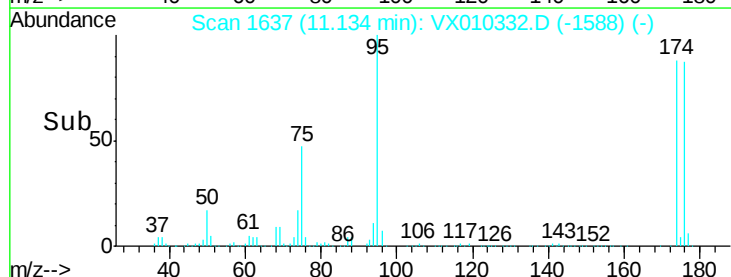
150000

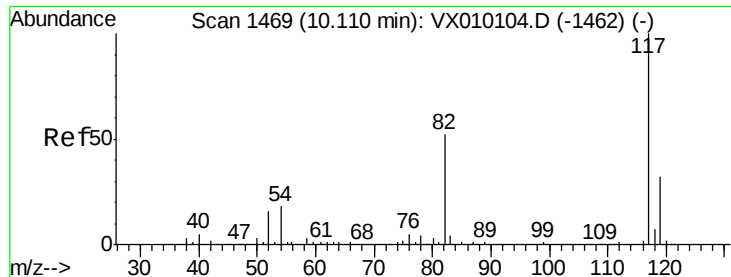
100000

50000

0

Time-->





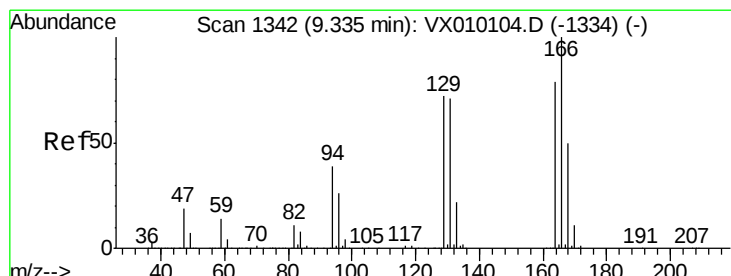
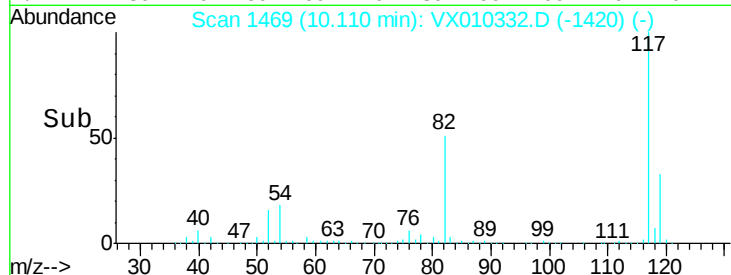
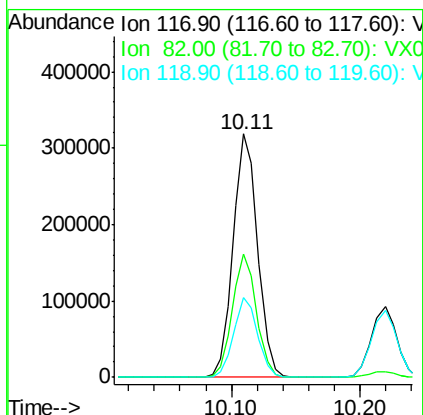
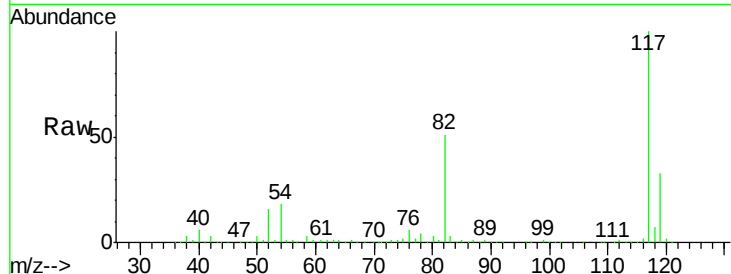
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	49.2	73.8
119	32.6	25.2	37.8

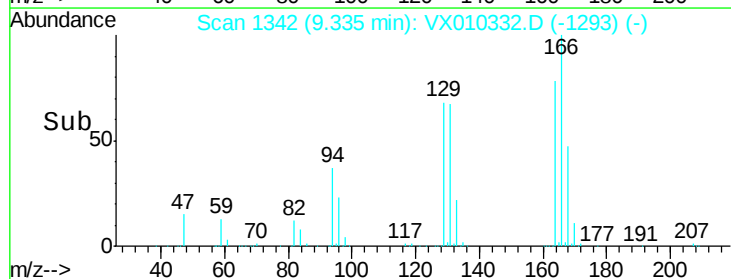
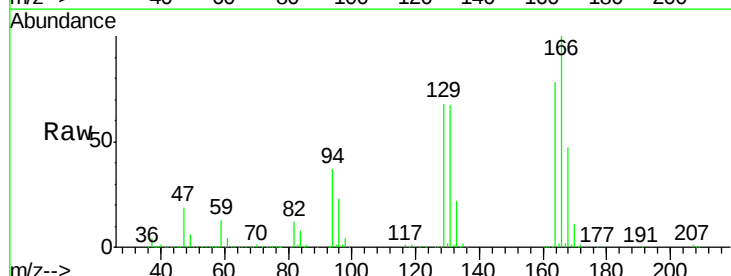
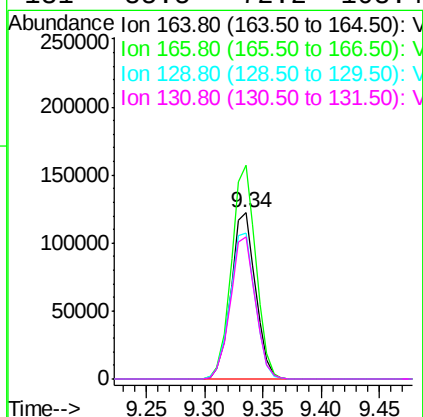
Manual Integrations
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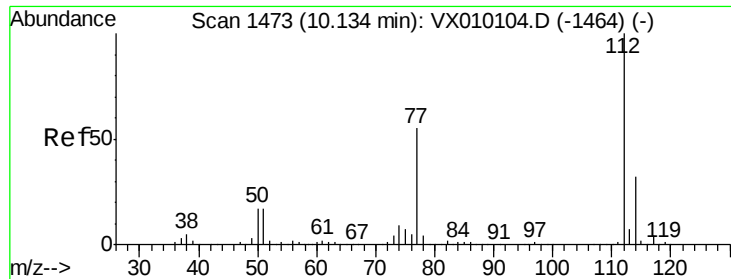
MMDadoda
6/20/2019 8:58:22 AM



#64
Tetrachloroethene
Concen: 56.992 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	105.0	157.4
129	87.5	75.1	112.7
131	85.5	72.2	108.4





#65

Chlorobenzene

Concen: 54.584 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 475236

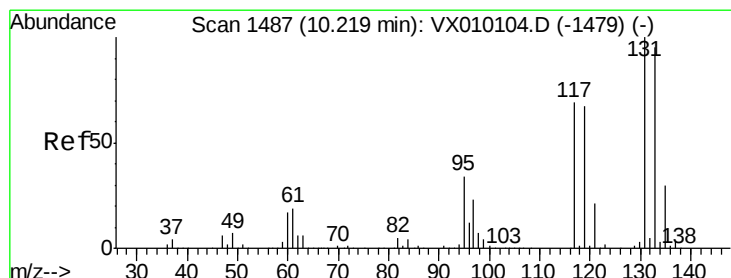
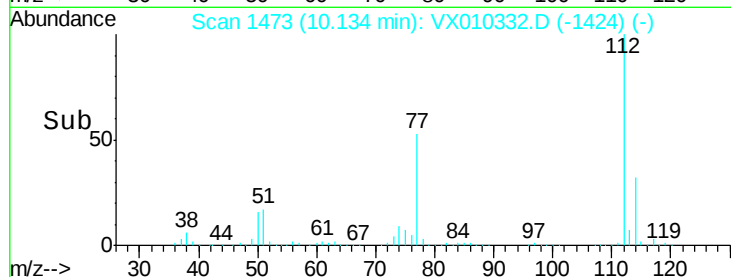
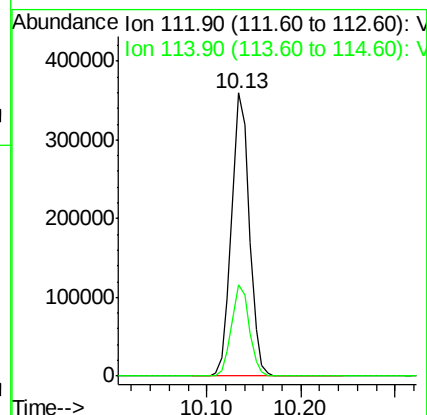
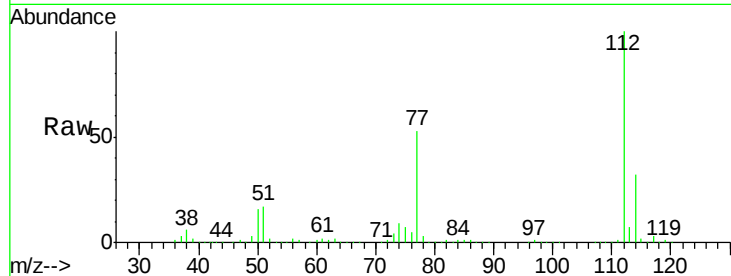
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 54.322 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

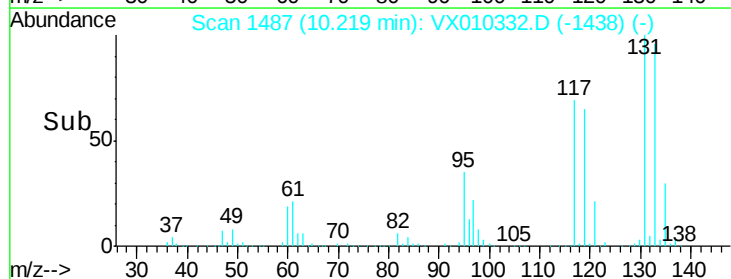
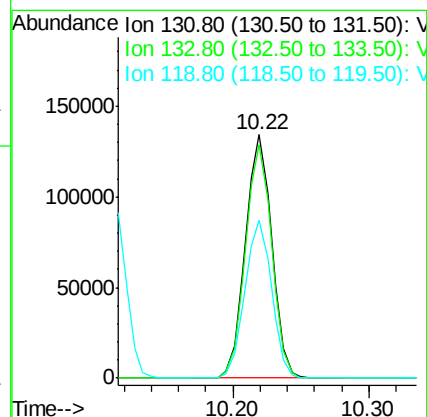
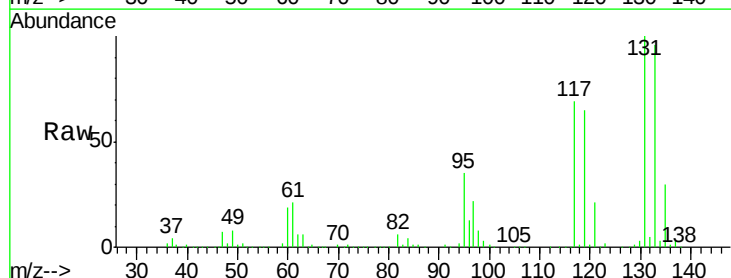
Tgt Ion:131 Resp: 181880

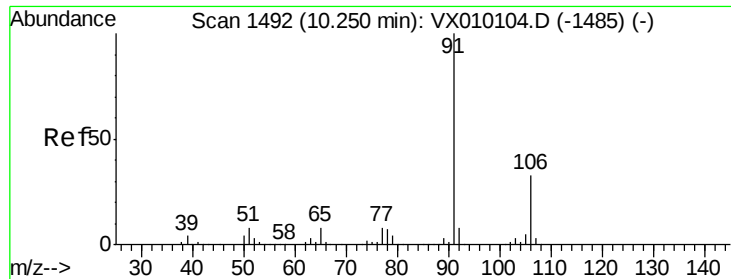
Ion Ratio Lower Upper

131 100

133 95.6 47.5 142.6

119 66.1 33.4 100.1





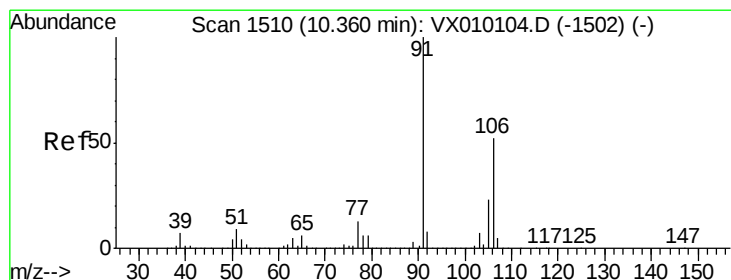
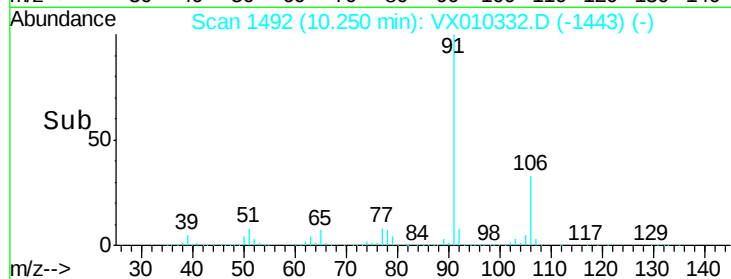
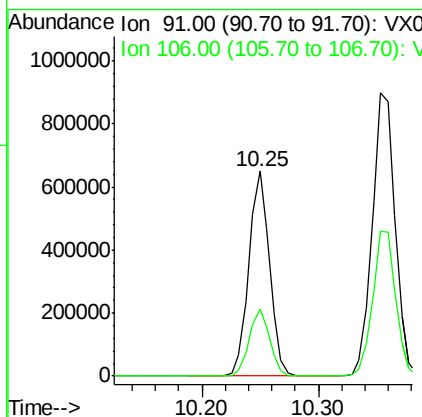
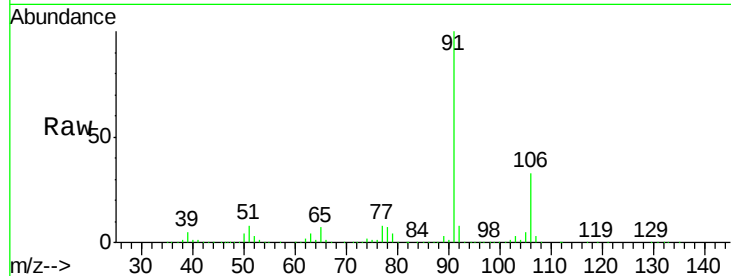
#67
Ethyl Benzene
Concen: 54.575 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 808877
Ion Ratio Lower Upper
91 100
106 32.8 23.9 35.9

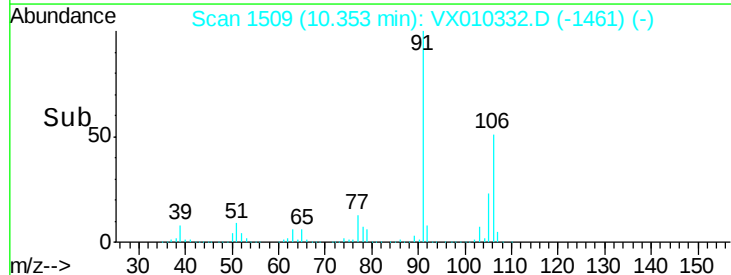
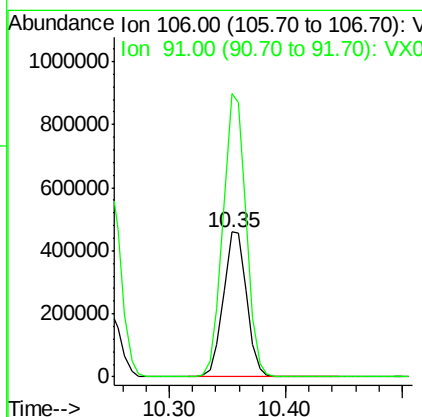
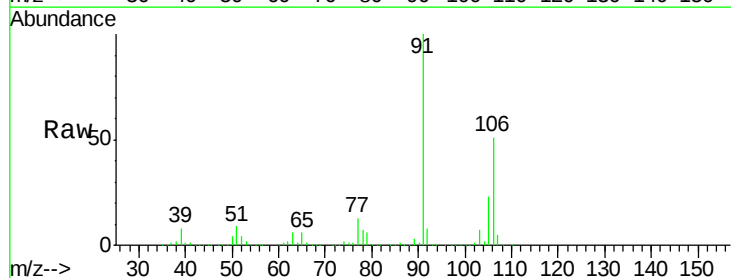
Manual Integrations
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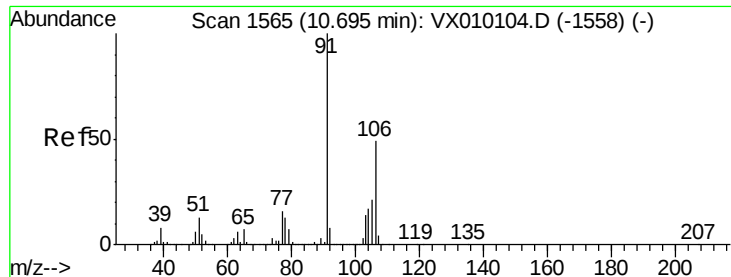
MMDadoda
6/20/2019 8:58:22 AM



#68
m/p-Xylenes
Concen: 110.145 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion: 106 Resp: 631732
Ion Ratio Lower Upper
106 100
91 194.1 167.3 250.9





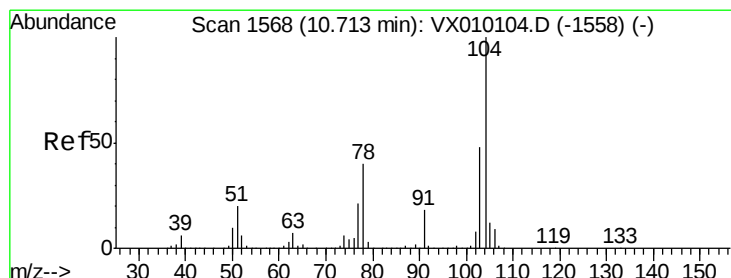
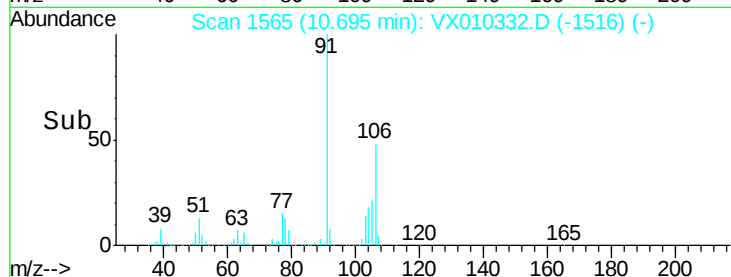
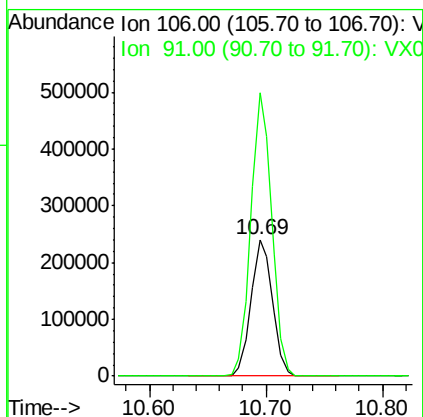
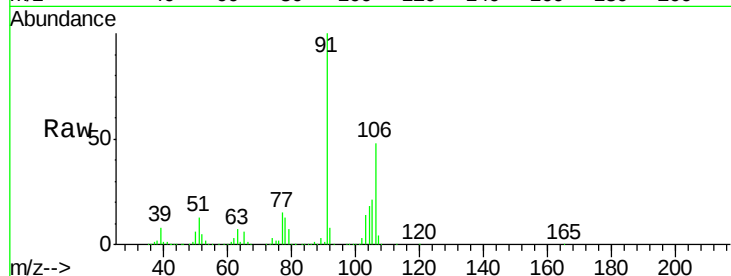
#69
o-Xylene
Concen: 54.247 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	203.2	110.4	309282	331.2	

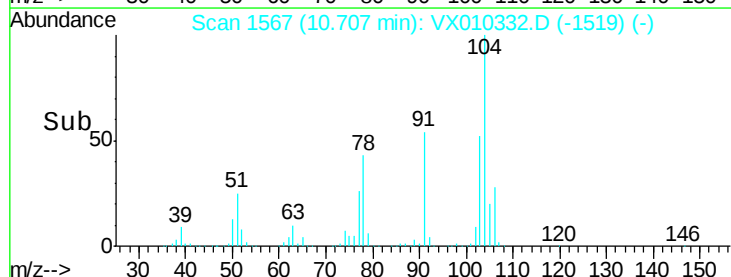
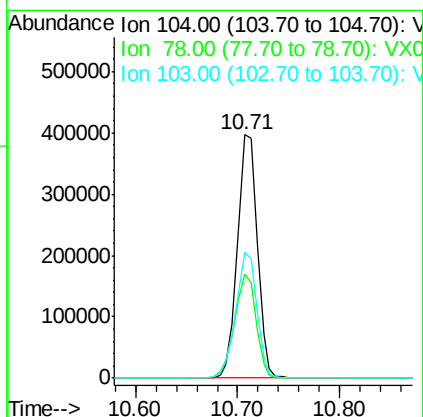
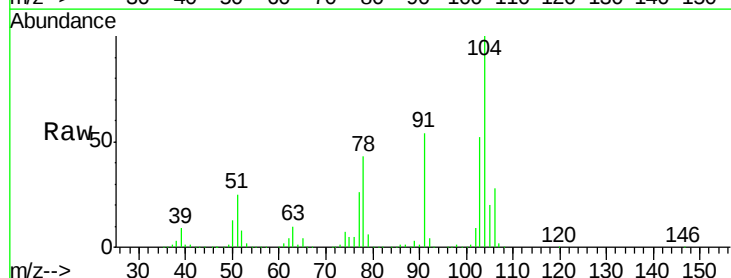
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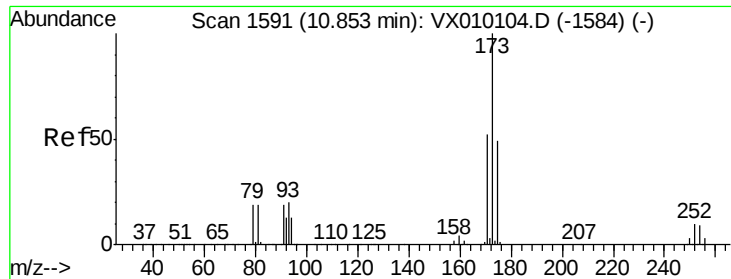
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6/20/2019 8:58:22 AM



#70
Styrene
Concen: 55.188 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	45.9	42.1	532897	63.1	
103	54.9	44.1		66.1	





#71

Bromoform

Concen: 53.895 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 165888

Ion Ratio Lower Upper

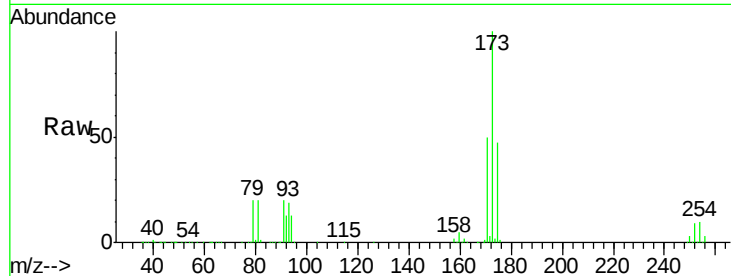
173 100

175 48.3 25.0 75.0

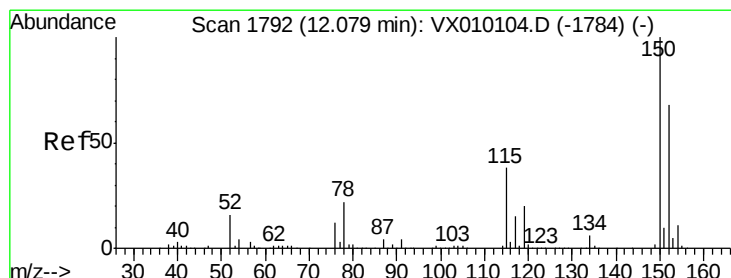
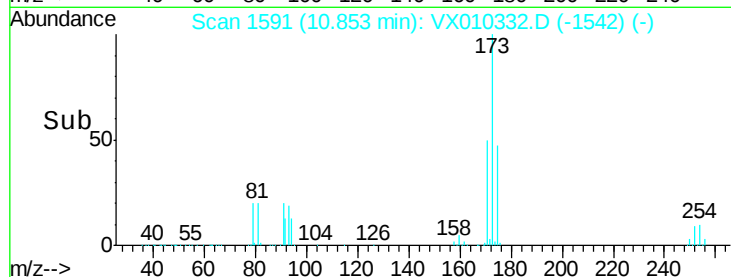
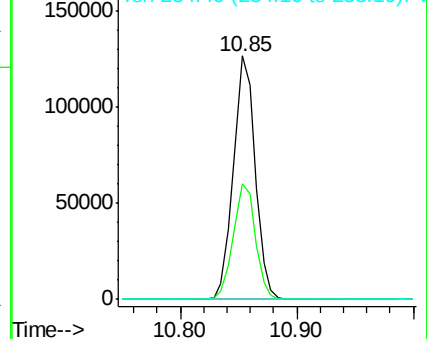
254 0.2 0.2 0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

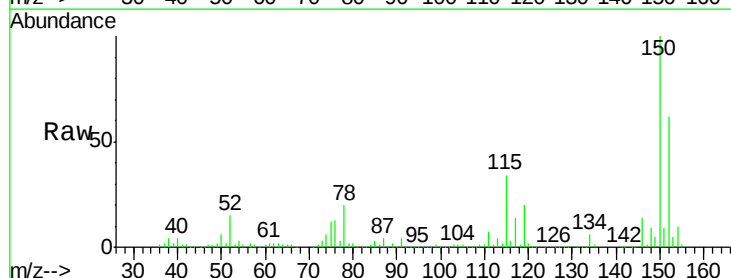
Tgt Ion:152 Resp: 220834

Ion Ratio Lower Upper

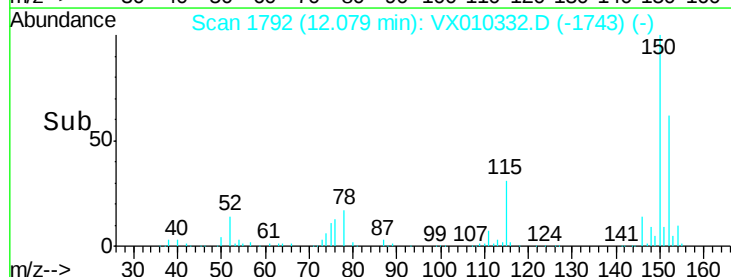
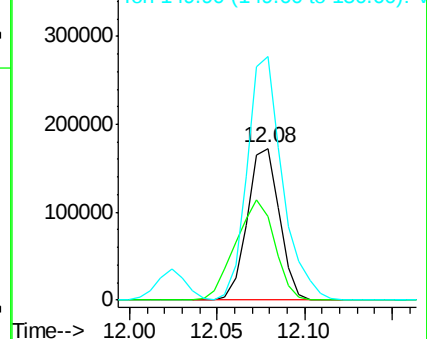
152 100

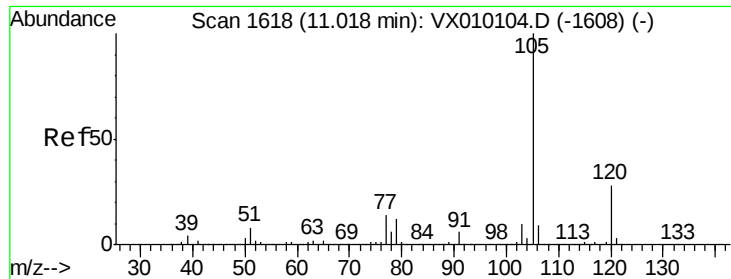
115 80.8 41.4 124.2

150 176.1 0.0 345.2



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: 53.361 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 822591

Ion Ratio Lower Upper

105 100

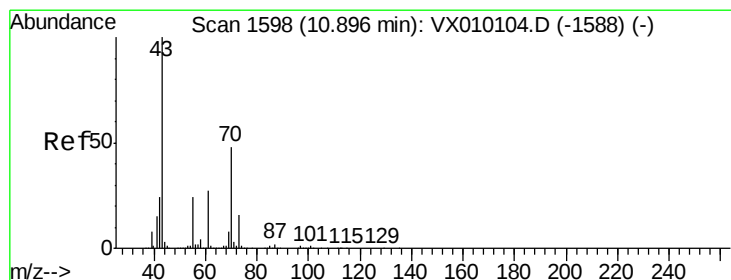
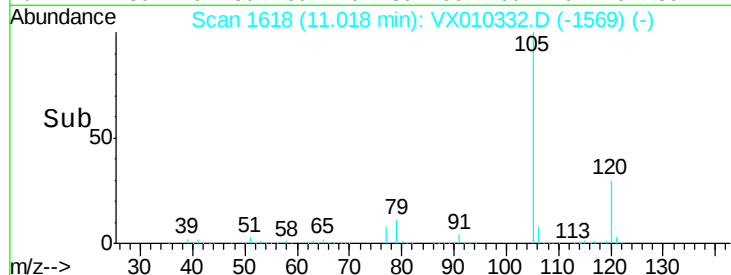
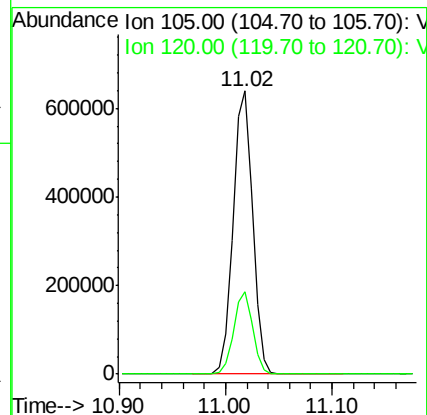
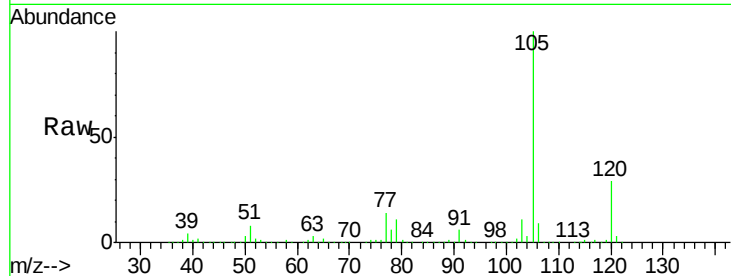
120 28.2 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.183 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion: 43 Resp: 317991

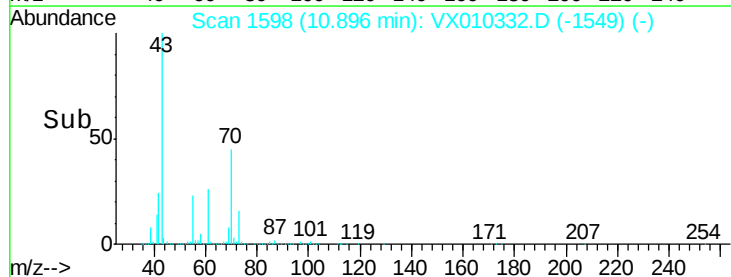
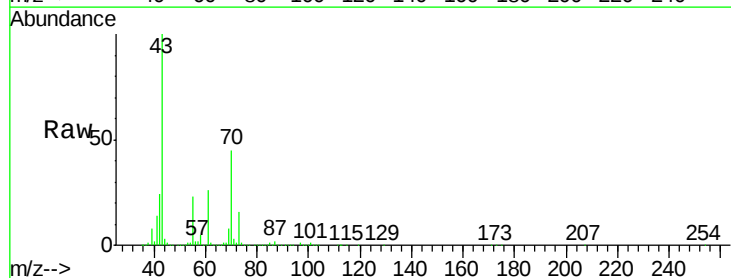
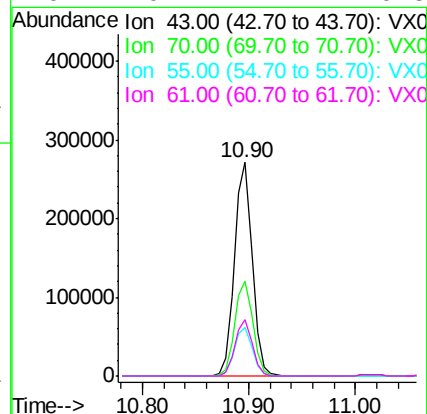
Ion Ratio Lower Upper

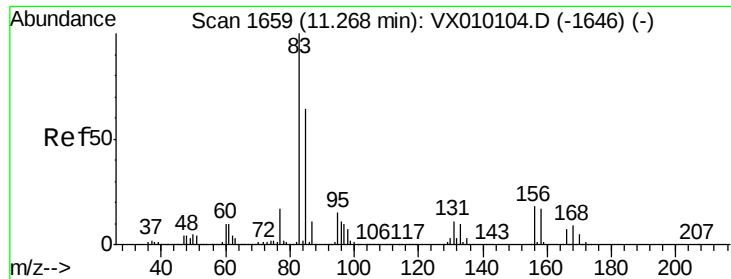
43 100

70 45.5 28.6 43.0#

55 23.6 17.8 26.8

61 26.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.945 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

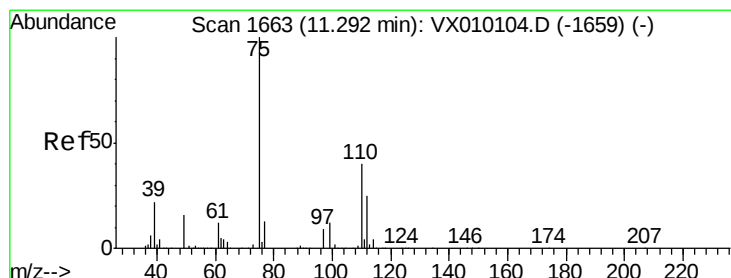
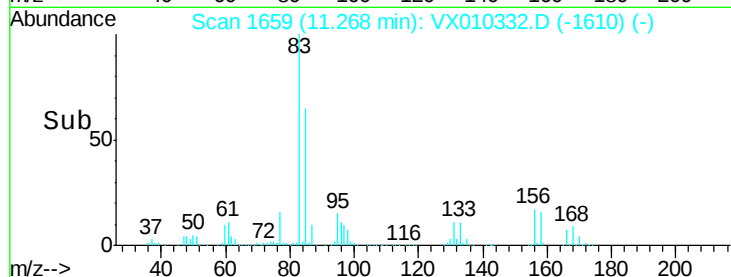
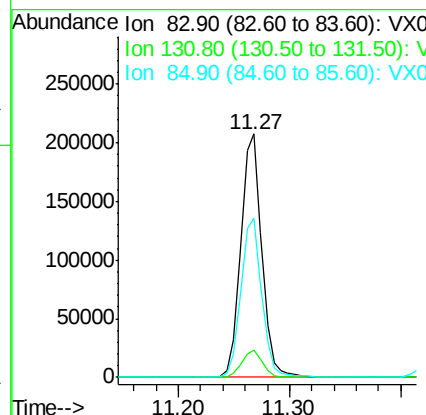
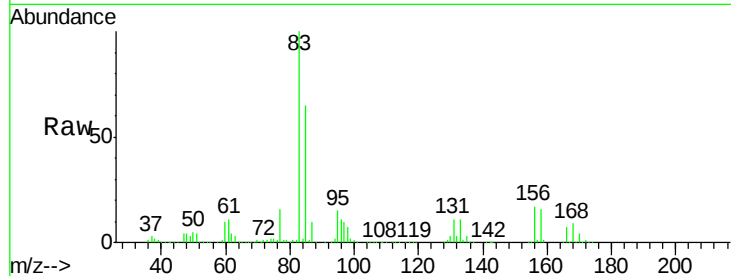
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	268834
Ion Ratio	Lower	Upper	
83	100		
131	11.1	4.7	14.1
85	65.5	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.241 ug/l m

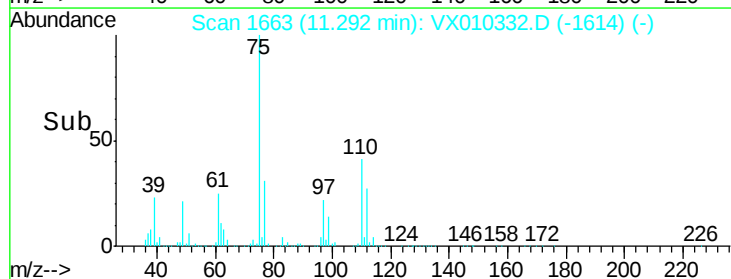
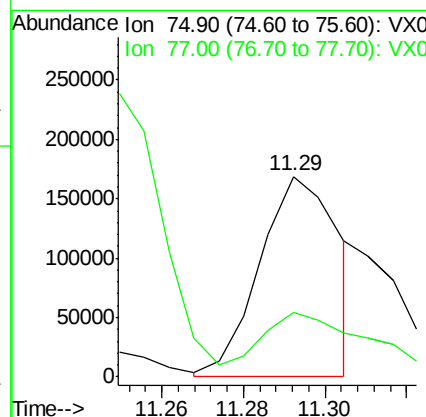
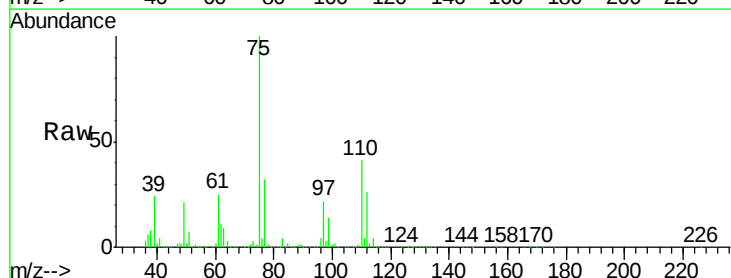
RT: 11.29 min Scan# 1663

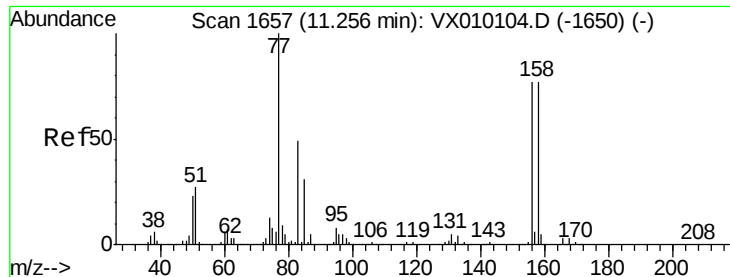
Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion:	75	Resp:	226337
Ion Ratio	Lower	Upper	
75	100		
77	44.0	22.1	66.1





#77

Bromobenzene

Concen: 53.694 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 227620

Ion Ratio Lower Upper

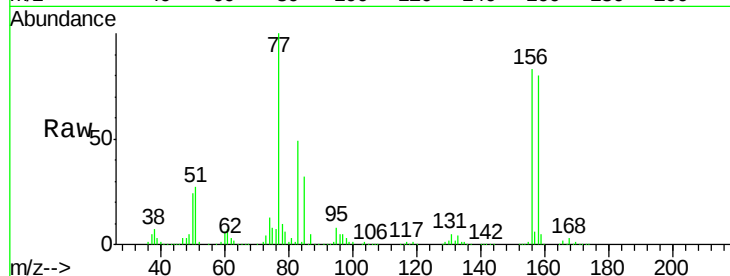
156 100

77 132.8 86.8 260.3

158 96.8 49.6 148.8

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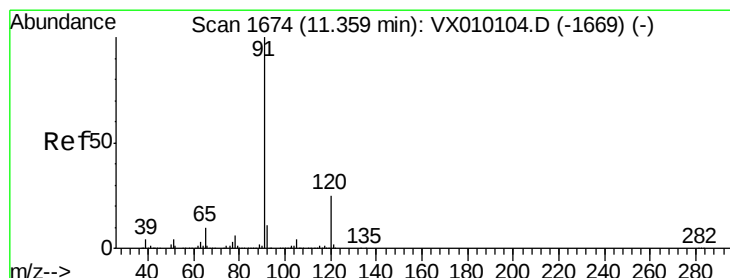
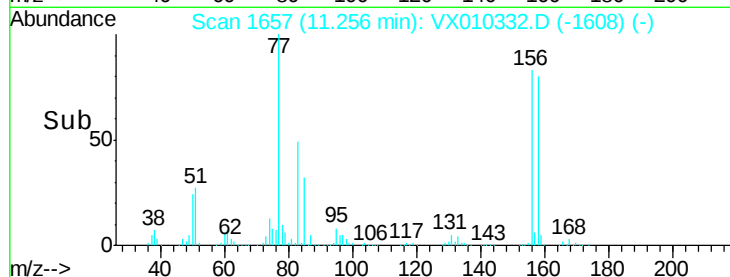
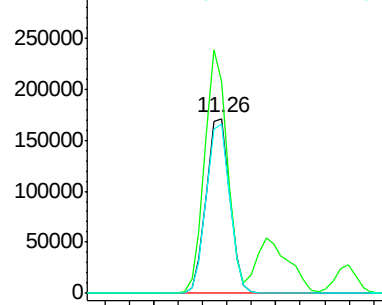
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.584 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010332.D

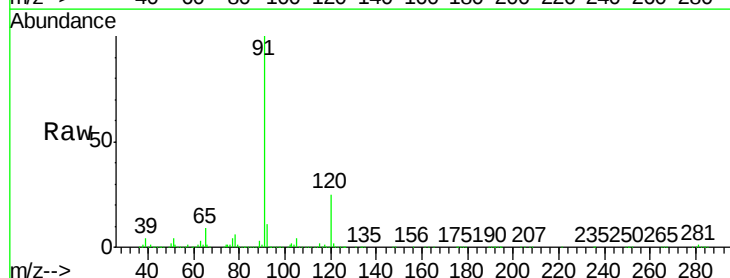
Acq: 18 Jun 2019 10:28

Tgt Ion: 91 Resp: 936778

Ion Ratio Lower Upper

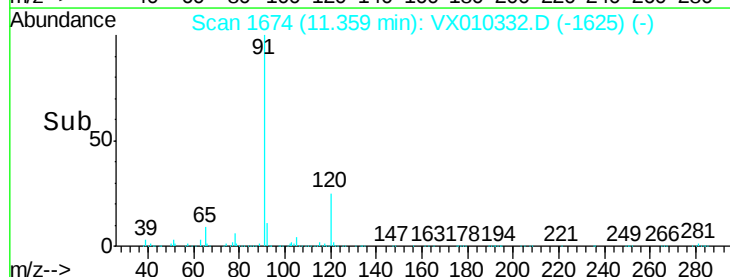
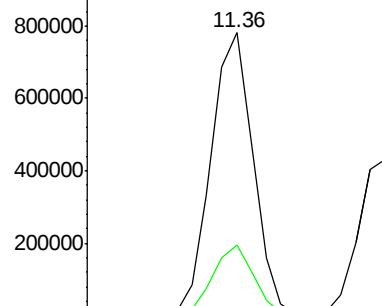
91 100

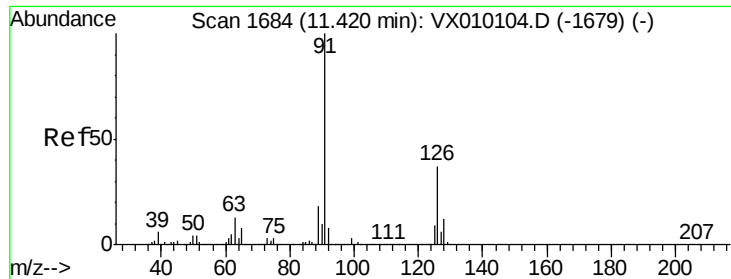
120 24.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.582 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 541984

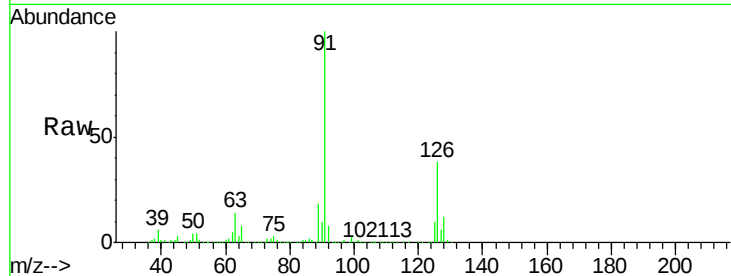
Ion Ratio Lower Upper

91 100

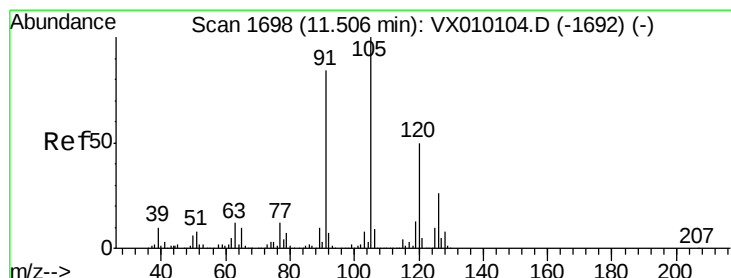
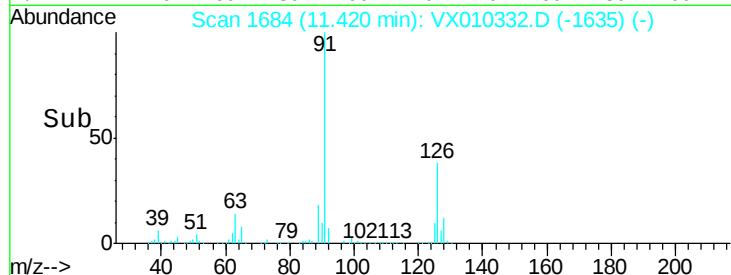
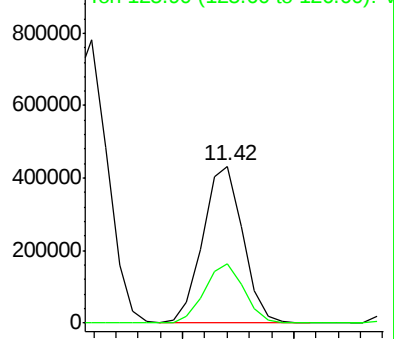
126 37.3 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.286 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010332.D

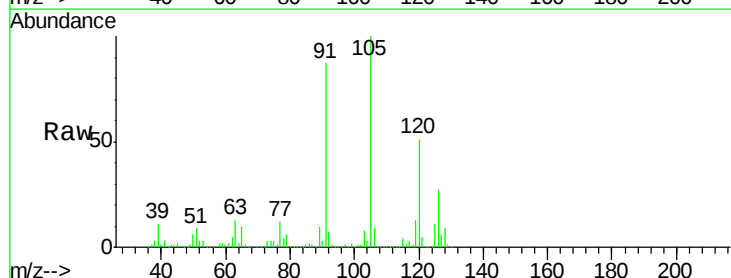
Acq: 18 Jun 2019 10:28

Tgt Ion: 105 Resp: 691868

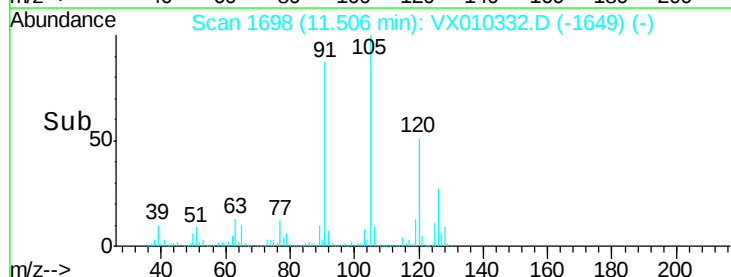
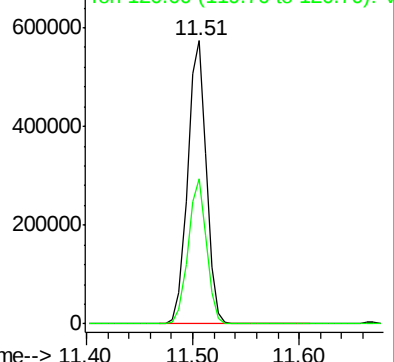
Ion Ratio Lower Upper

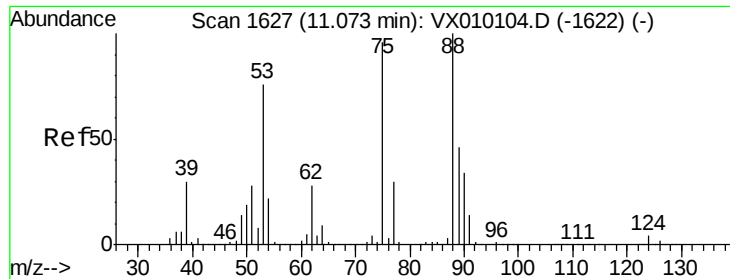
105 100

120 50.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010104.D (-1692) (-)





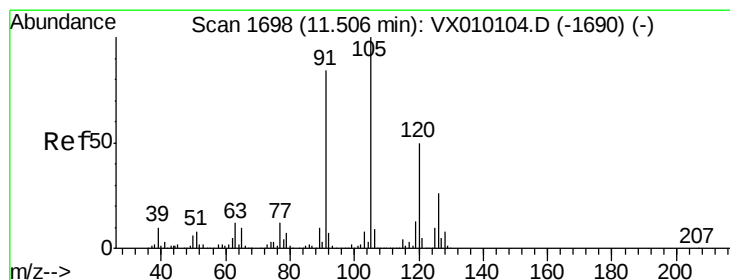
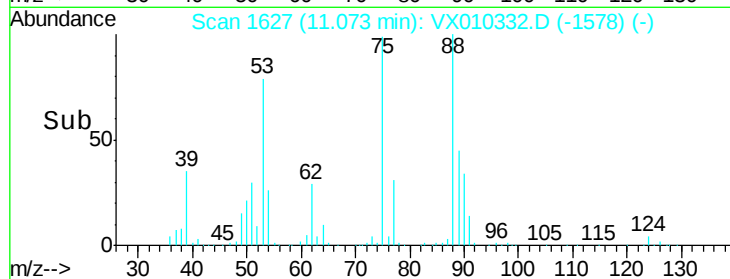
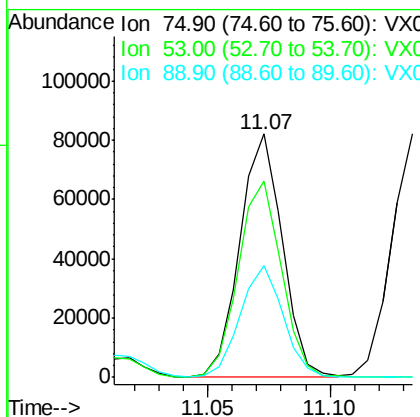
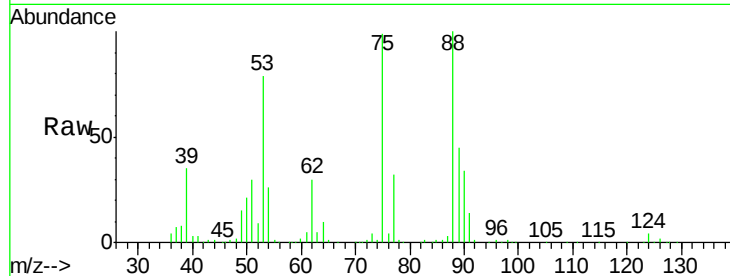
#81
trans-1,4-Dichloro-2-butene
Concen: 49.399 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.1	79.8	119.6
89	47.0	34.2	51.4

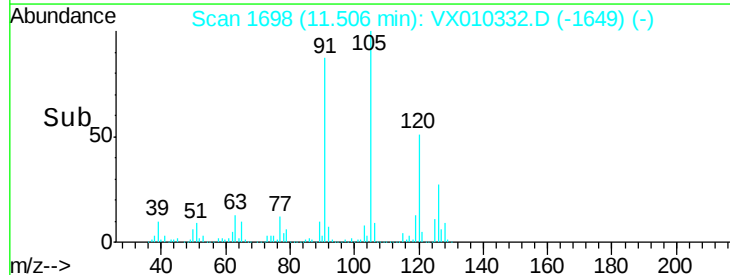
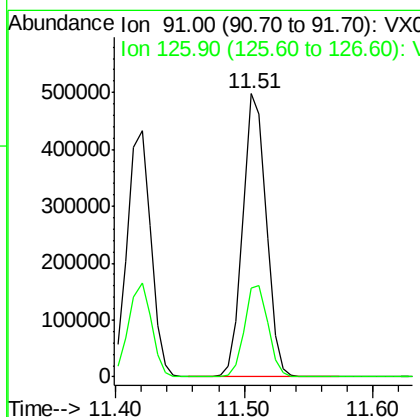
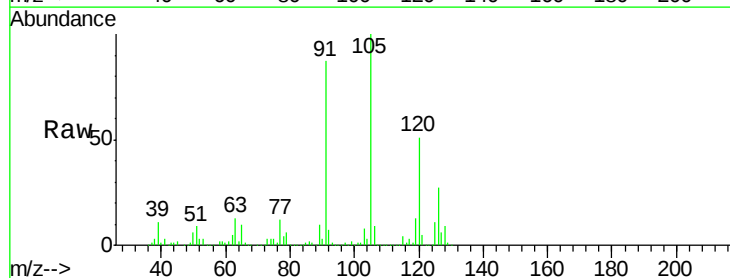
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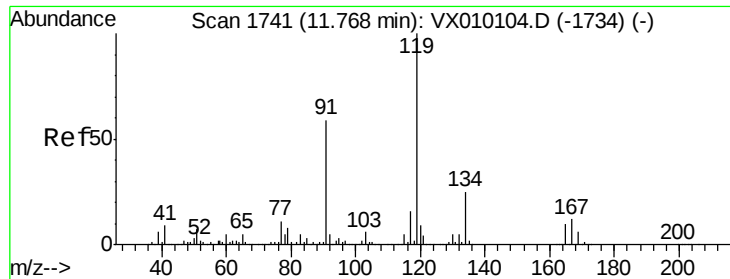
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#82
4-Chlorotoluene
Concen: 53.460 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	14.2	42.6





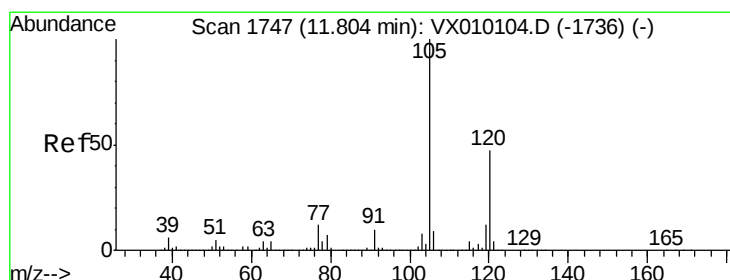
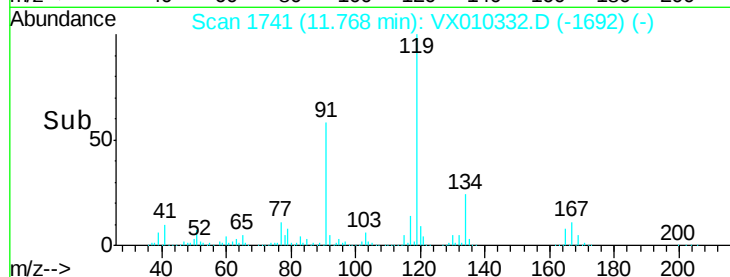
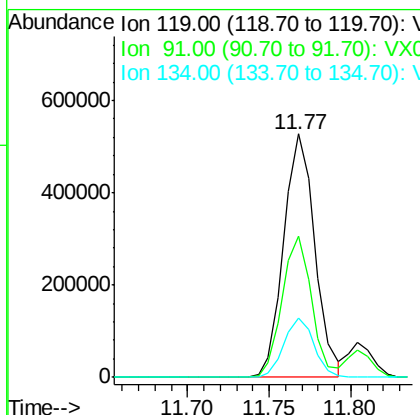
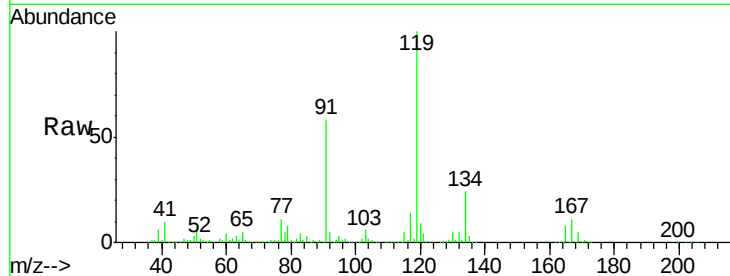
#83
 tert-Butylbenzene
 Concen: 53.053 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	697211		
91	55.0	30.0	90.0	
134	23.4	11.2	33.5	

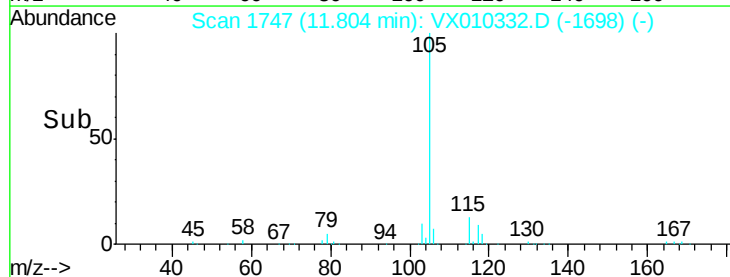
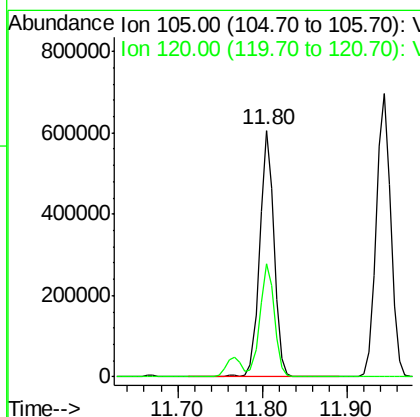
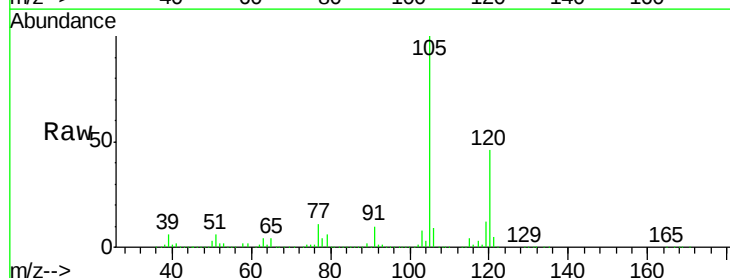
Manual Integrations
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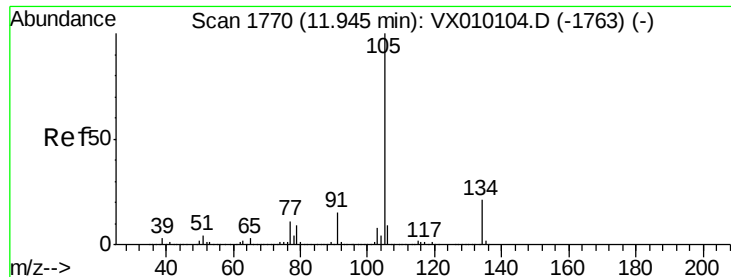
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.673 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	703934		
120	46.6	22.1	66.1	





#85

sec-Butylbenzene

Concen: 54.394 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 832800

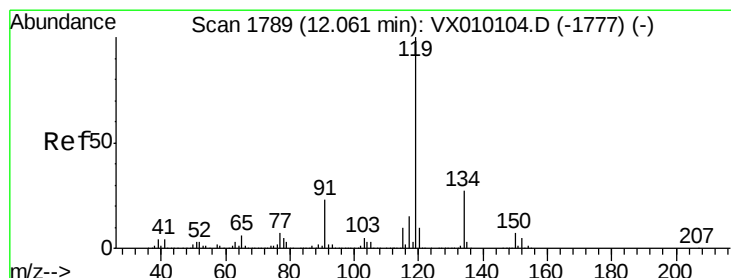
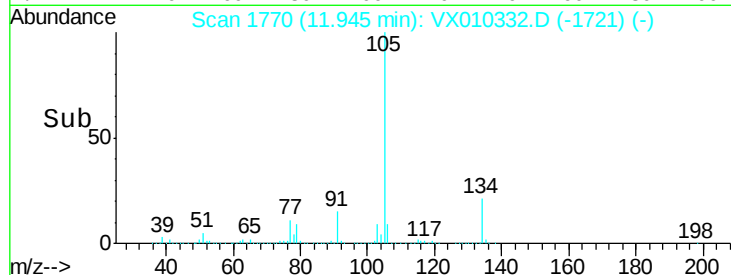
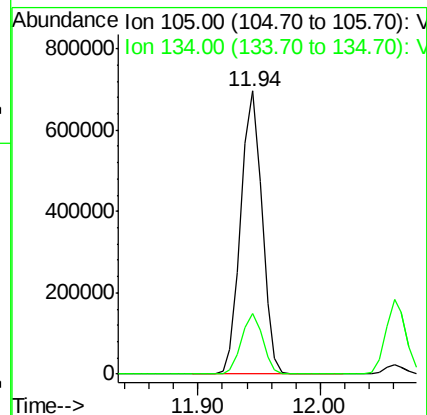
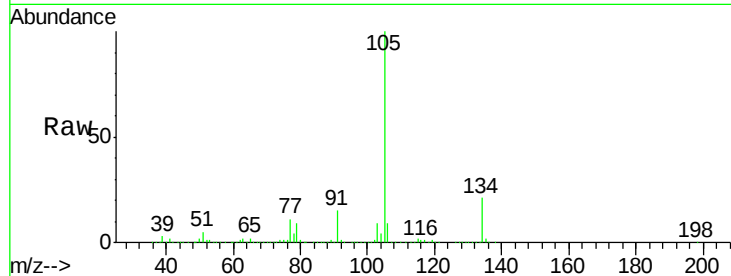
Ion Ratio Lower Upper

105 100

134 21.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 55.254 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

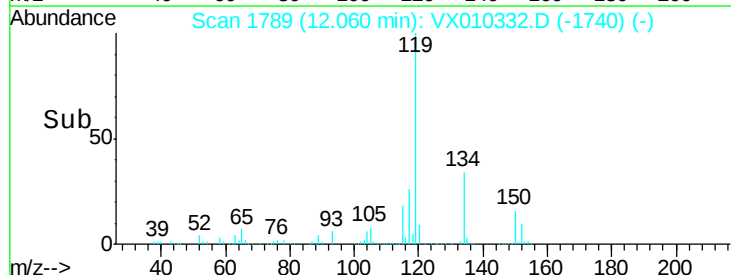
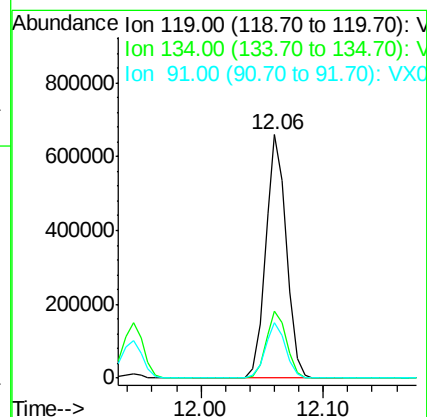
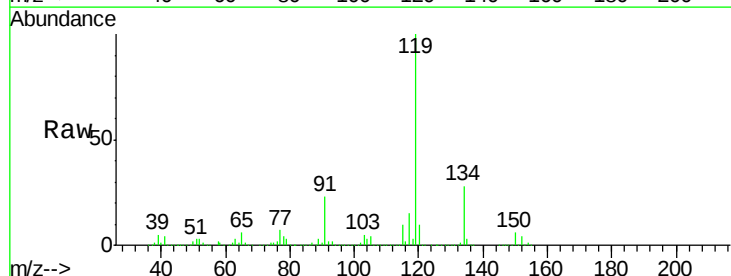
Tgt Ion:119 Resp: 773383

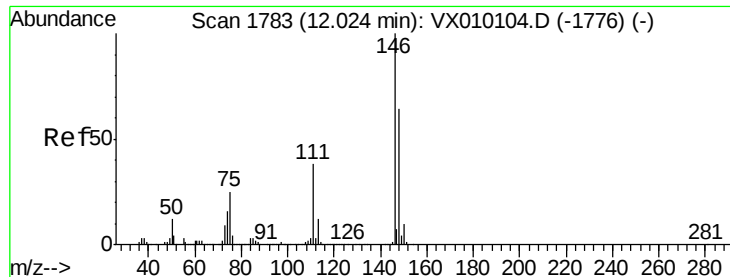
Ion Ratio Lower Upper

119 100

134 27.5 12.9 38.6

91 22.4 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 54.440 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

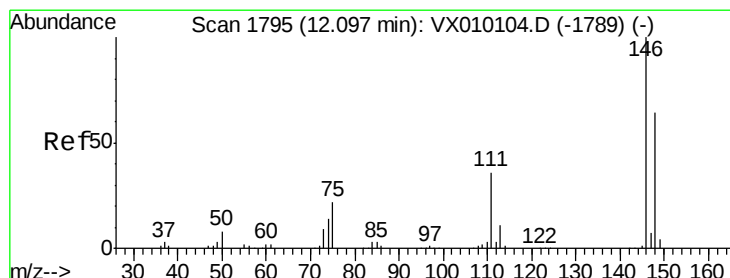
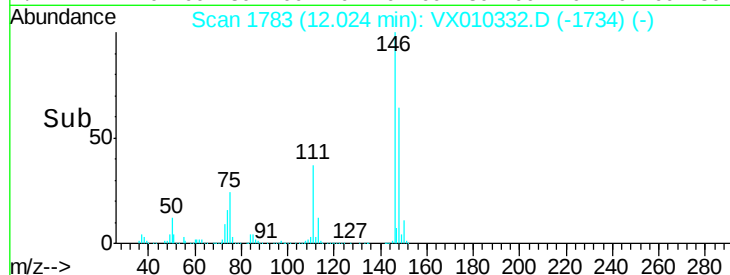
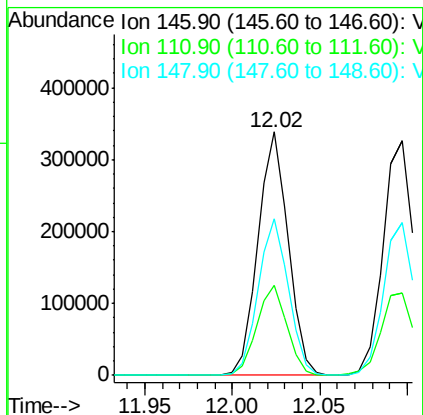
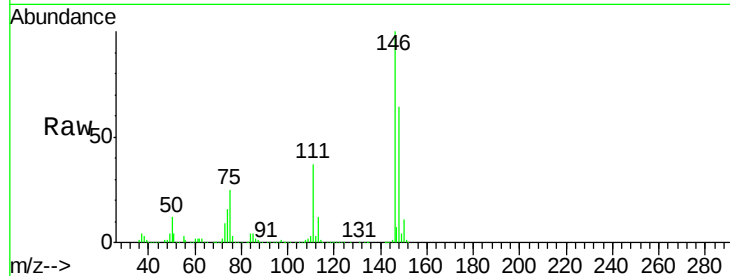
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	406509
Ion Ratio	Lower	Upper	
146	100		
111	37.2	20.1	60.2
148	64.2	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.945 ug/l

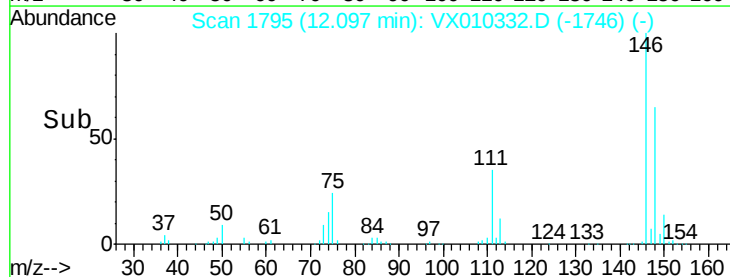
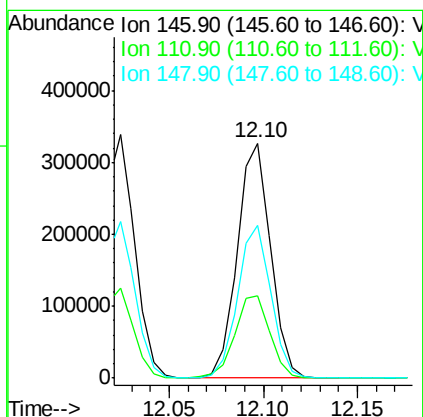
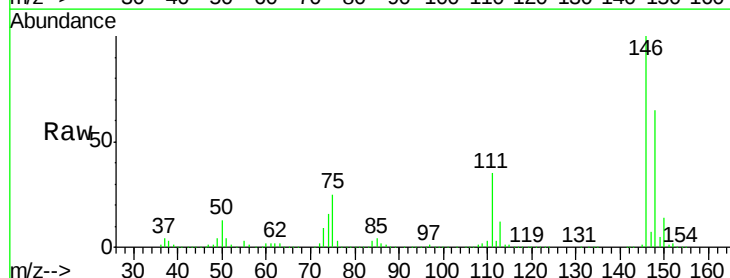
RT: 12.10 min Scan# 1795

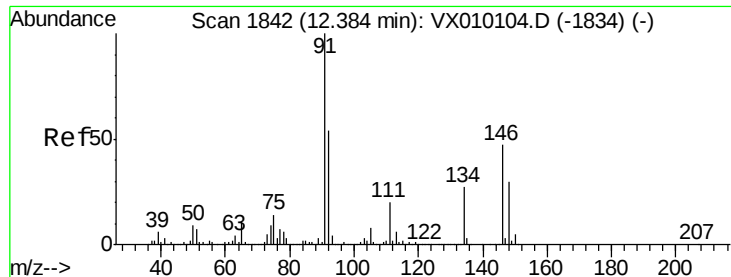
Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion:	146	Resp:	398532
Ion Ratio	Lower	Upper	
146	100		
111	36.9	20.0	59.9
148	64.8	32.3	96.9





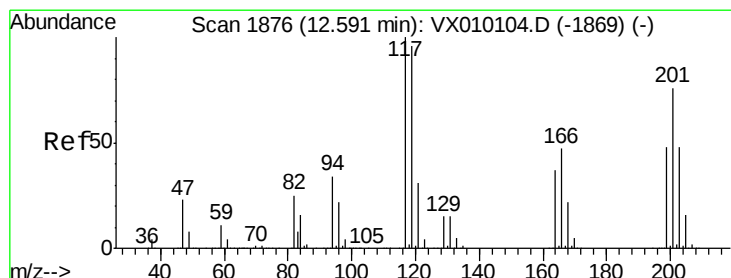
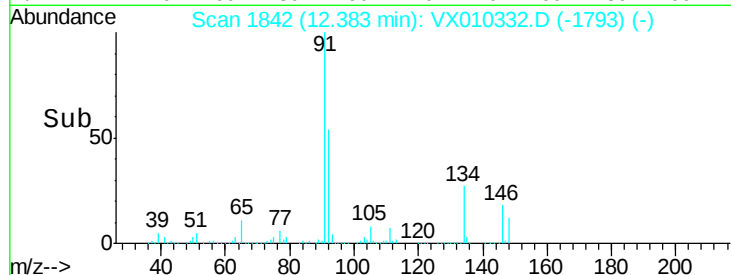
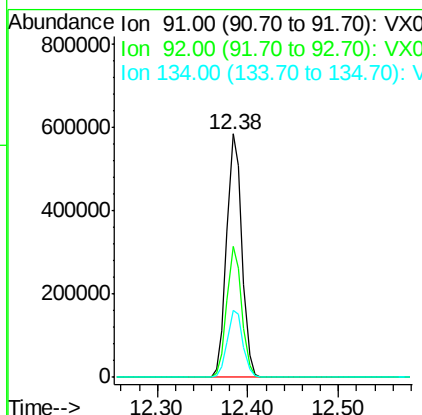
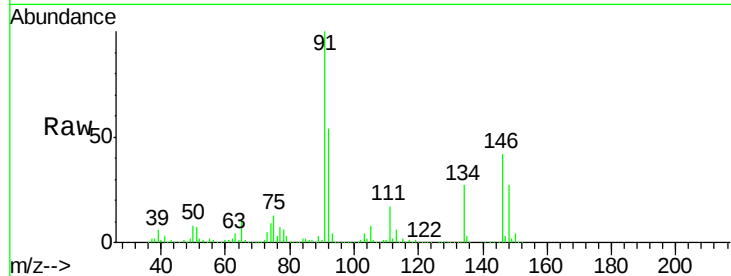
#89
n-Butylbenzene
Concen: 56.555 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	28.0	12.3	36.8

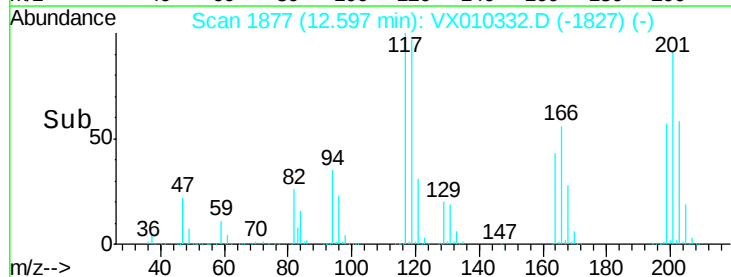
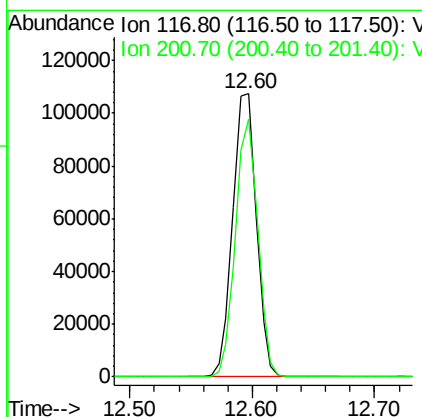
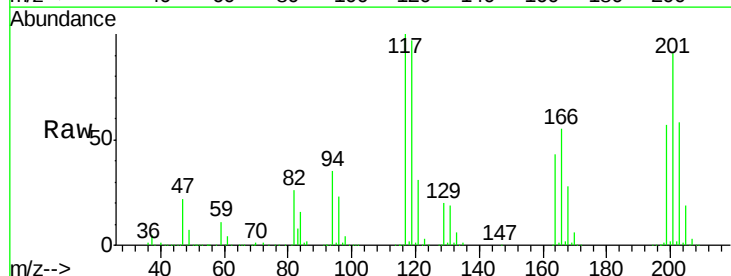
Manual Integrations
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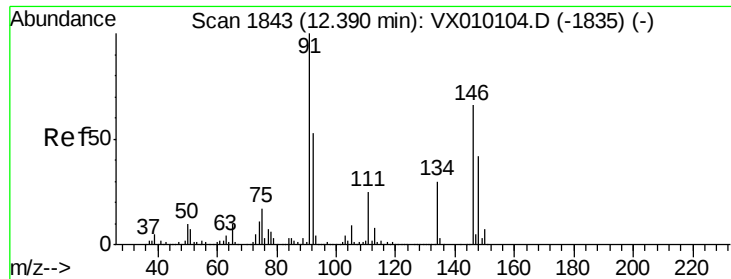
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#90
Hexachloroethane
Concen: 51.427 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010332.D
Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	43.6	130.9





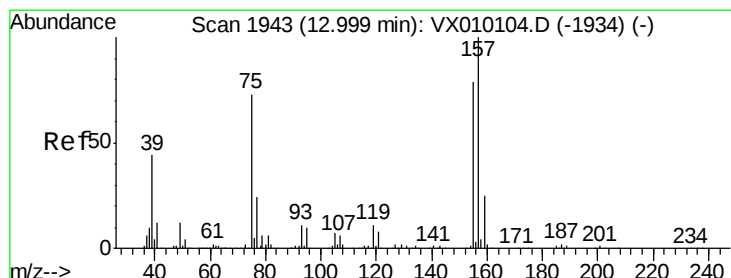
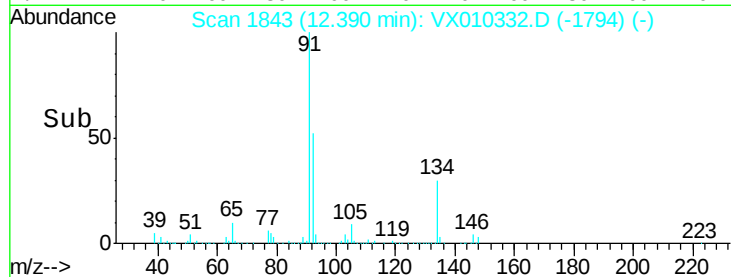
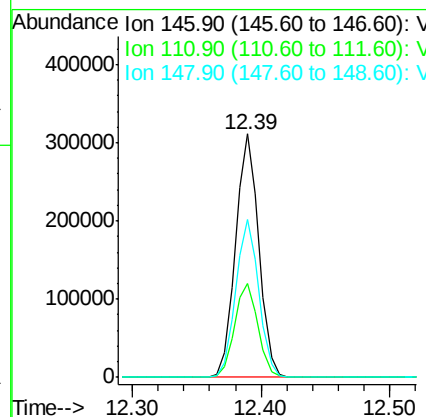
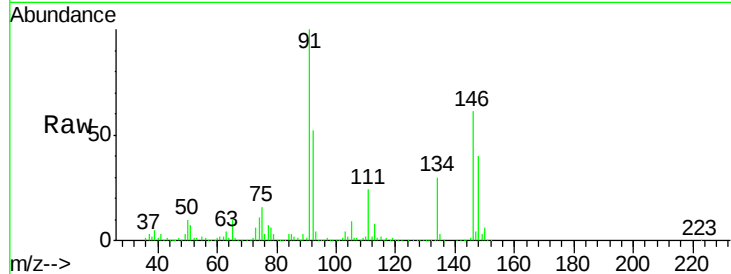
#91
 1,2-Dichlorobenzene
 Concen: 54.031 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	392231		
111	38.7	21.1	63.1	
148	64.6	32.3	96.8	

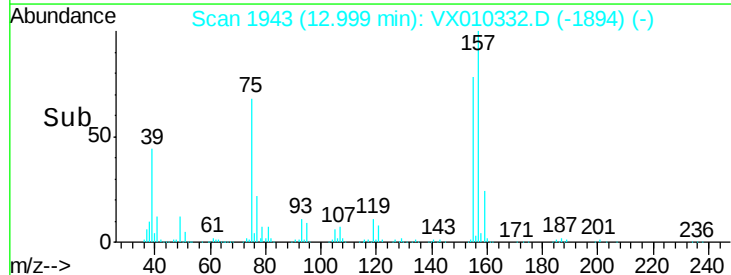
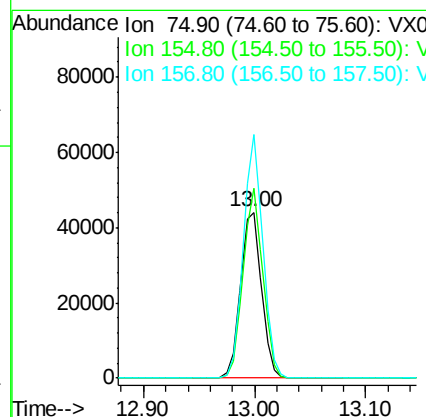
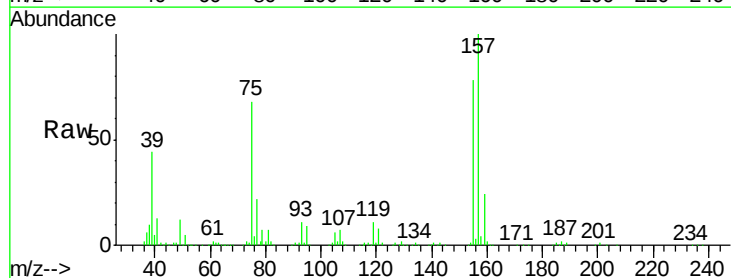
Manual Integrations
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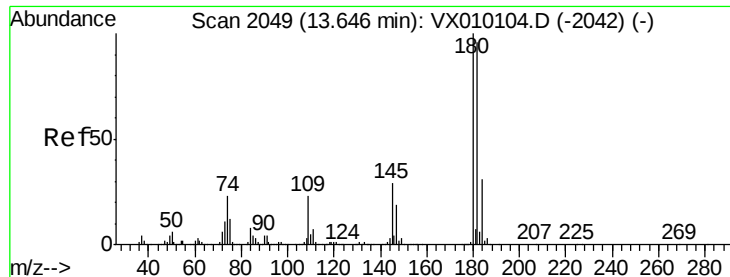
MMDadoda
 6/20/2019 8:58:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.392 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57607		
155	107.7	39.3	117.8	
157	136.2	50.6	151.8	





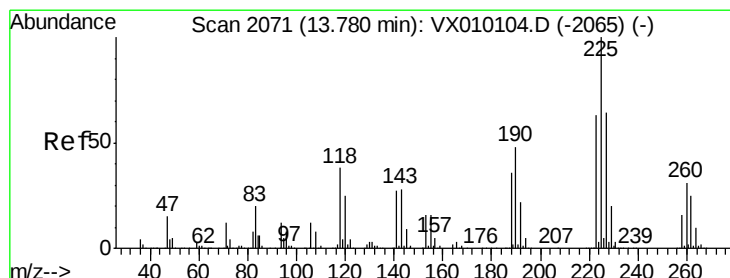
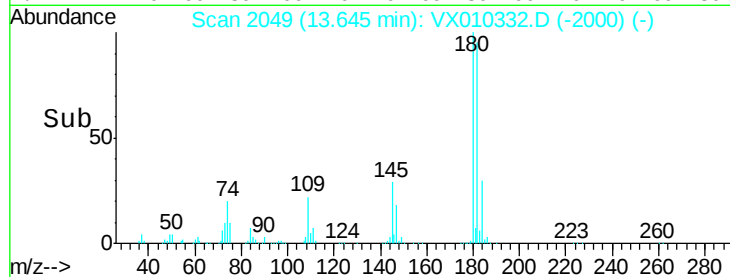
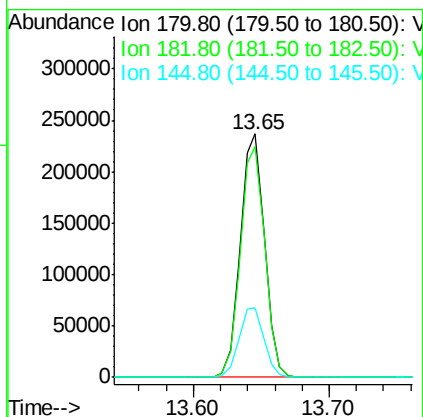
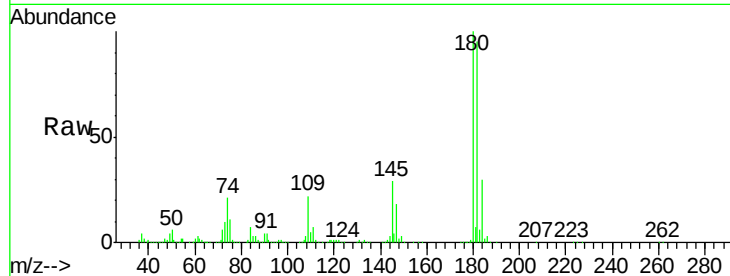
#93
 1,2,4-Trichlorobenzene
 Concen: 54.971 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	292106		
182	95.7	47.4	142.2	
145	29.4	14.5	43.5	

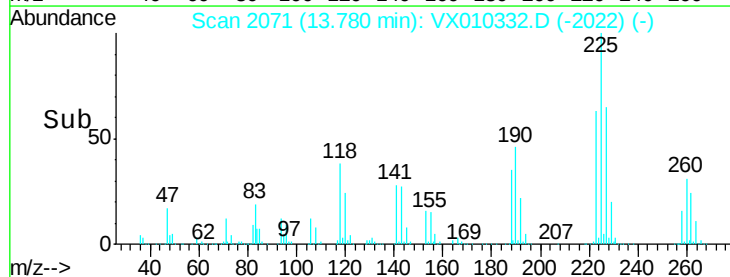
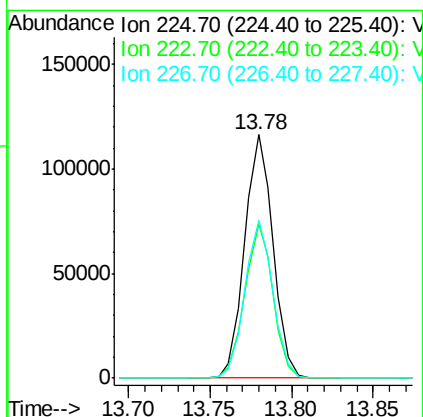
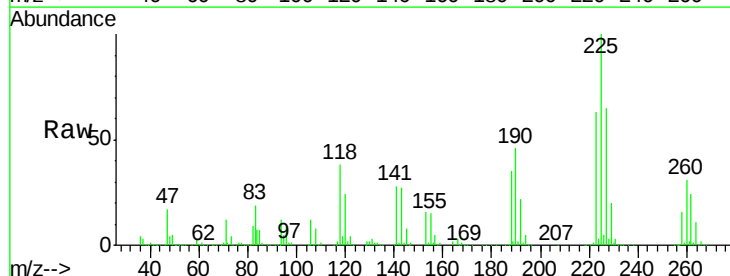
Manual Integrations
 APPROVED

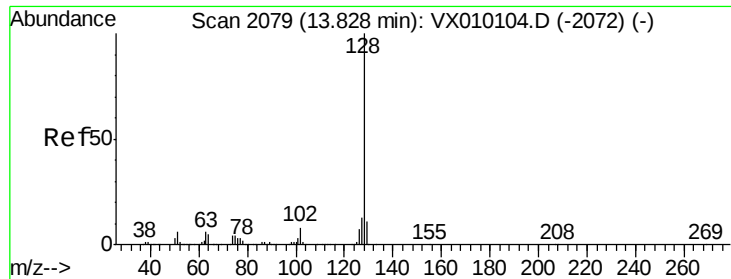
MMDadoda
 6/20/2019 8:58:22 AM



#94
 Hexachlorobutadiene
 Concen: 59.752 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010332.D
 Acq: 18 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141207		
223	62.8	31.3	93.8	
227	64.0	32.3	96.8	





#95

Naphthalene

Concen: 52.943 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Instrument :

MSVOA_X

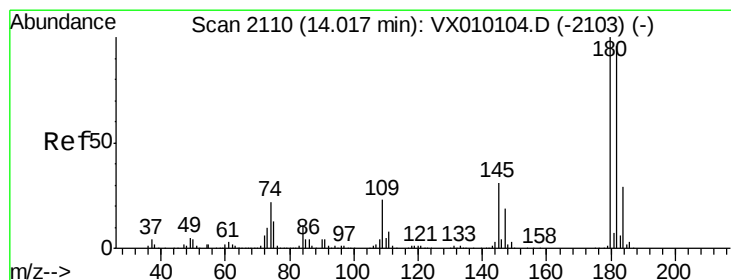
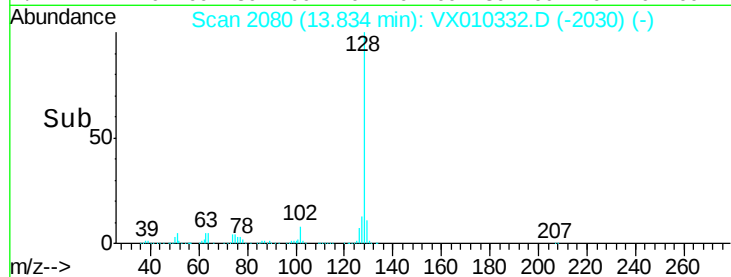
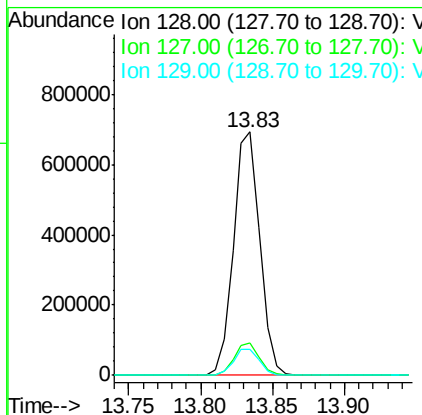
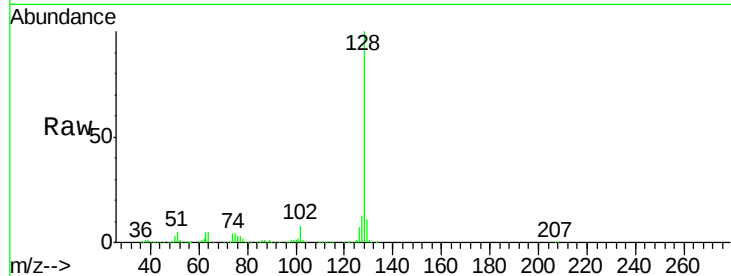
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	885590
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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6/20/2019 8:58:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.886 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010332.D

Acq: 18 Jun 2019 10:28

Tgt Ion:	180	Resp:	288368
Ion Ratio		Lower	Upper
180	100		
182	95.8	47.3	142.0
145	30.9	15.6	46.7

