

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060419\
 Data File : VX010051.D
 Acq On : 04 Jun 2019 10:25
 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
 6/5/2019 9:26:26 AM

Quant Time: Jun 05 07:26:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	171651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	261529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115466	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	5.49	113	84955	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	8.71	98	345837	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.13	95	128823	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	107863	51.424	ug/l	98
3) Chloromethane	1.32	50	115826	41.075	ug/l	99
4) Vinyl Chloride	1.41	62	109189	42.954	ug/l	99
5) Bromomethane	1.64	94	61615	40.006	ug/l	97
6) Chloroethane	1.71	64	63430	40.535	ug/l	96
7) Trichlorofluoromethane	1.92	101	128777	45.844	ug/l	100
8) Diethyl Ether	2.19	74	55620	42.135	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79698	46.993	ug/l	97
10) Methyl Iodide	2.51	142	94697	45.550	ug/l	99
11) Tert butyl alcohol	3.05	59	125118	209.676	ug/l	100
12) 1,1-Dichloroethene	2.37	96	77265	44.447	ug/l	97
13) Acrolein	2.29	56	92403	221.121	ug/l	99
14) Allyl chloride	2.73	41	194695	46.081	ug/l	99
15) Acrylonitrile	3.14	53	307021	213.537	ug/l	99
16) Acetone	2.44	43	315726	225.366	ug/l	100
17) Carbon Disulfide	2.57	76	230727	43.881	ug/l	99
18) Methyl Acetate	2.77	43	147420	45.224	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	306092	46.639	ug/l	100
20) Methylene Chloride	2.85	84	95979	44.738	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	87174	45.069	ug/l	97
22) Diisopropyl ether	3.85	45	369039	45.906	ug/l	87
23) Vinyl Acetate	3.81	43	1640269	227.125	ug/l	99
24) 1,1-Dichloroethane	3.70	63	178802	45.895	ug/l	99
25) 2-Butanone	4.67	43	477810	218.912	ug/l	99
26) 2,2-Dichloropropane	4.58	77	140844	47.791	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	101109	45.285	ug/l	97
28) Bromochloromethane	5.01	49	91209	45.115	ug/l	97
29) Tetrahydrofuran	5.12	42	300130	214.432	ug/l	99
30) Chloroform	5.21	83	164749	46.890	ug/l	99
31) Cyclohexane	5.57	56	174621	47.324	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	140064	48.949	ug/l	99
36) 1,1-Dichloropropene	5.79	75	128433	48.401	ug/l	99
37) Ethyl Acetate	4.83	43	172377	46.622	ug/l	99
38) Carbon Tetrachloride	5.78	117	118339	51.609	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	164014	52.109	ug/l	99
40) Benzene	6.14	78	388929	49.410	ug/l	99
41) Methacrylonitrile	5.04	41	98824	45.742	ug/l	99
42) 1,2-Dichloroethane	6.19	62	141607	48.661	ug/l	100
43) Isopropyl Acetate	6.44	43	281224	47.139	ug/l	100
44) Trichloroethene	7.21	130	94476	49.412	ug/l	95
45) 1,2-Dichloropropane	7.51	63	109096	48.146	ug/l	98
46) Dibromomethane	7.66	93	62731	47.032	ug/l	97
47) Bromodichloromethane	7.89	83	129546	51.076	ug/l	99
48) Methyl methacrylate	7.77	41	143485	48.585	ug/l	99
49) 1,4-Dioxane	7.74	88	51602	939.345	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	927847	239.084	ug/l	100
52) Toluene	8.78	92	237079	49.605	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	153880	50.587	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	167489	50.536	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	94933	49.352	ug/l	98
56) Ethyl methacrylate	9.18	69	175377	51.211	ug/l	100
57) 1,3-Dichloropropane	9.37	76	167277	48.422	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	405637	225.883	ug/l	99
59) 2-Hexanone	9.49	43	733204	245.393	ug/l	100
60) Dibromochloromethane	9.58	129	99409	52.535	ug/l	100
61) 1,2-Dibromoethane	9.67	107	98920	50.055	ug/l	100
64) Tetrachloroethene	9.34	164	87403	52.231	ug/l	95
65) Chlorobenzene	10.13	112	250556	49.957	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	90771	52.180	ug/l	99
67) Ethyl Benzene	10.25	91	467390	51.901	ug/l	99
68) m/p-Xylenes	10.35	106	345913	103.975	ug/l	98
69) o-Xylene	10.69	106	166656	52.233	ug/l	98
70) Styrene	10.71	104	297727	53.215	ug/l	99
71) Bromoform	10.85	173	78133	54.948	ug/l #	97
73) Isopropylbenzene	11.02	105	452944	49.909	ug/l	99
74) N-amyl acetate	10.90	43	258707	47.705	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	156796	46.310	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	142311m	48.382	ug/l	
77) Bromobenzene	11.25	156	113155	48.925	ug/l	96
78) n-propylbenzene	11.36	91	533180	50.969	ug/l	100
79) 2-Chlorotoluene	11.42	91	313335	49.025	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	387307	50.657	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57038	47.978	ug/l	98
82) 4-Chlorotoluene	11.51	91	366037	49.197	ug/l	98
83) tert-Butylbenzene	11.77	119	373473	51.058	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	388448	50.028	ug/l	99
85) sec-Butylbenzene	11.94	105	451160	51.845	ug/l	100
86) p-Isopropyltoluene	12.06	119	413195	52.789	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	205399	49.883	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	204659	48.736	ug/l	98
89) n-Butylbenzene	12.38	91	387248	52.644	ug/l	99
90) Hexachloroethane	12.59	117	70073	52.166	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	201128	49.543	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35562	44.622	ug/l	95

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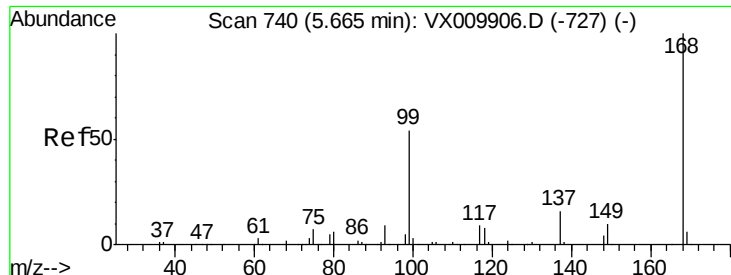
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	150455	51.861	ug/l	100
94) Hexachlorobutadiene	13.78	225	77493	53.255	ug/l	100
95) Naphthalene	13.83	128	449275	49.764	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	146889	50.582	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: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 171651

Ion Ratio Lower Upper

168 100

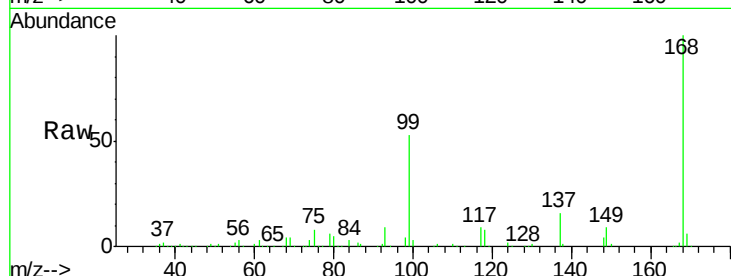
99 52.7 43.0 64.6

Manual Integrations

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6/5/2019 9:26:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

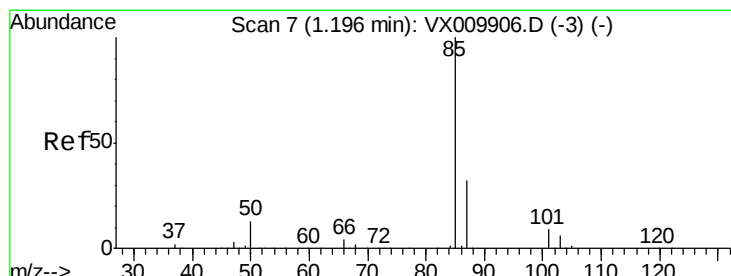
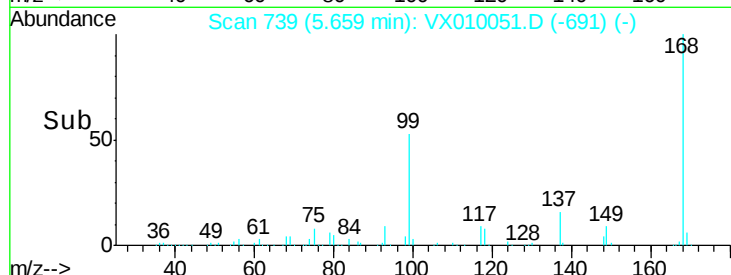
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.424 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010051.D

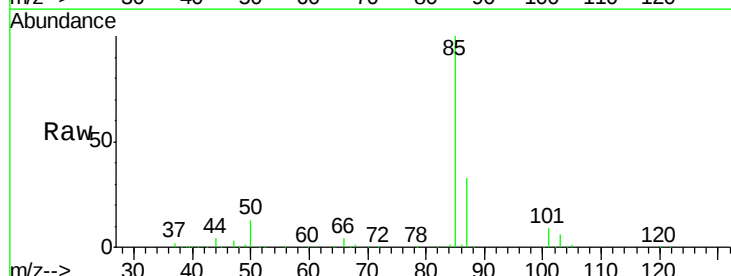
Acq: 04 Jun 2019 10:25

Tgt Ion: 85 Resp: 107863

Ion Ratio Lower Upper

85 100

87 33.1 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

100000

80000

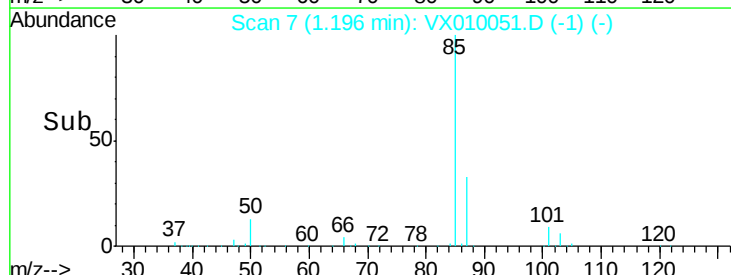
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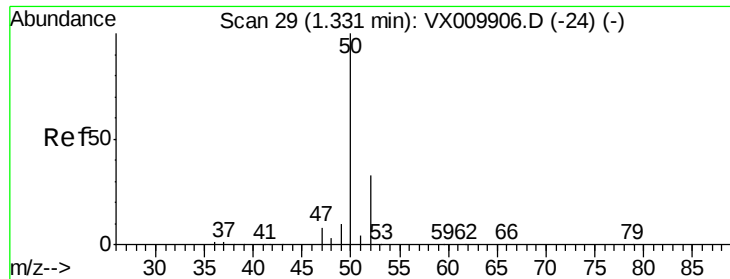
40000

20000

0

Time-->





#3

Chloromethane

Concen: 41.075 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 115826

Ion Ratio Lower Upper

50 100

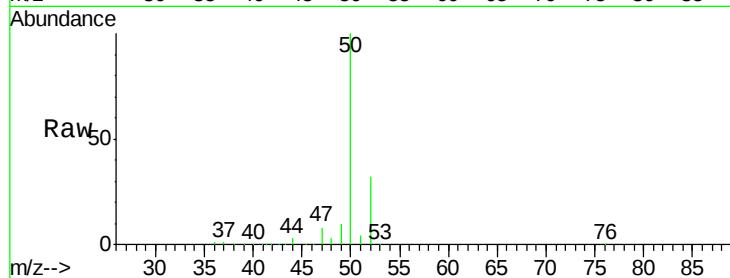
52 31.7 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

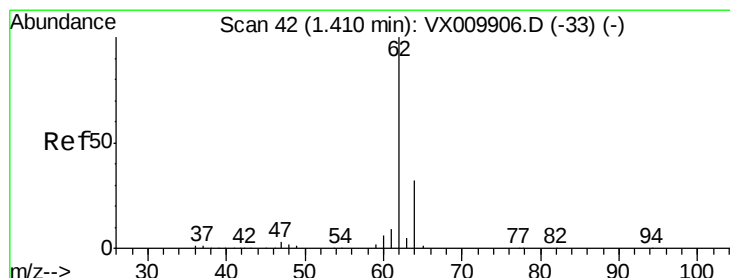
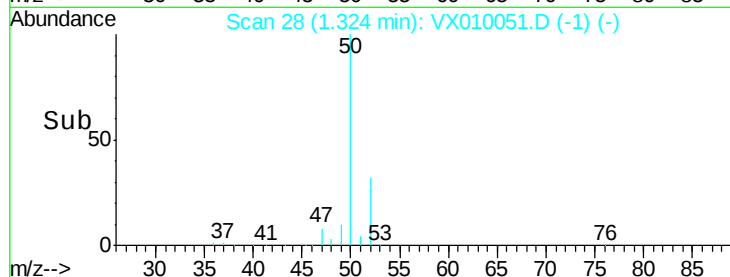
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 42.954 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010051.D

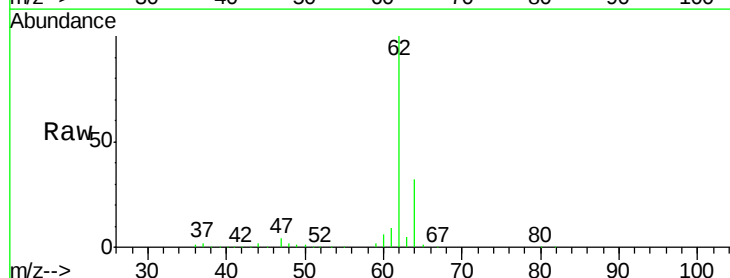
Acq: 04 Jun 2019 10:25

Tgt Ion: 62 Resp: 109189

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

120000

100000

80000

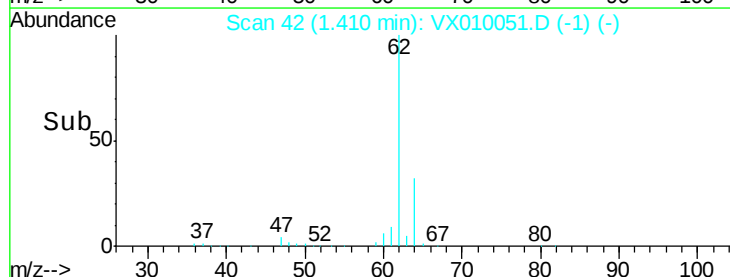
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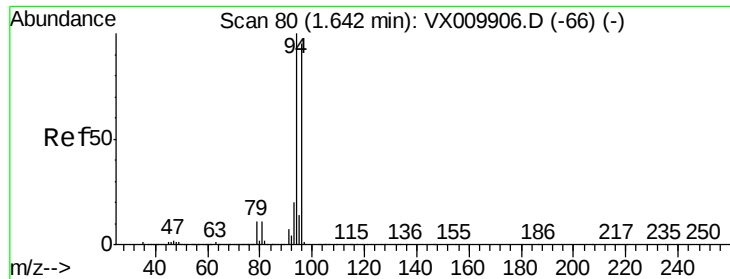
40000

20000

0

Time--> 1.40 1.50





#5

Bromomethane

Concen: 40.006 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61615

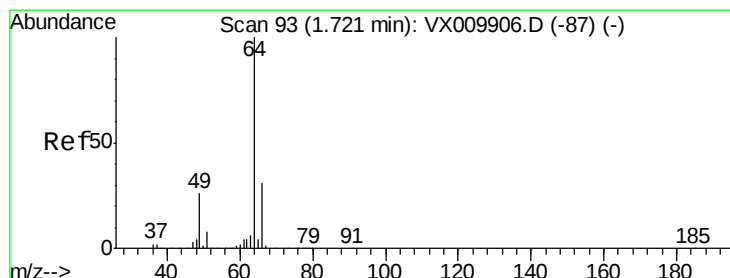
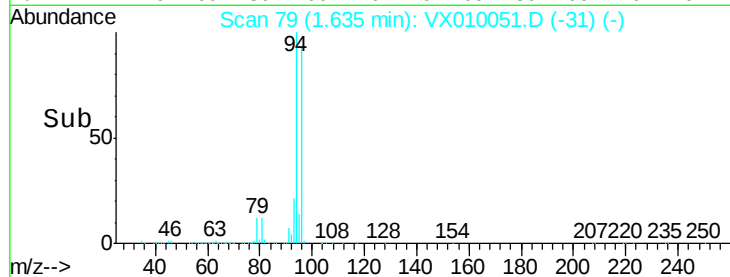
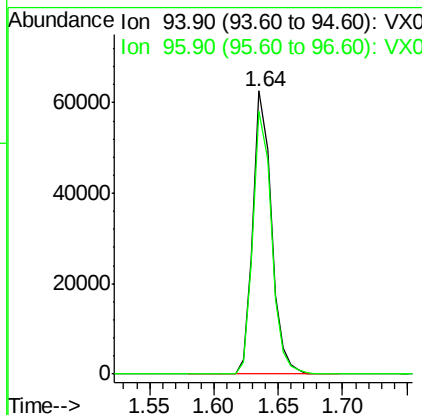
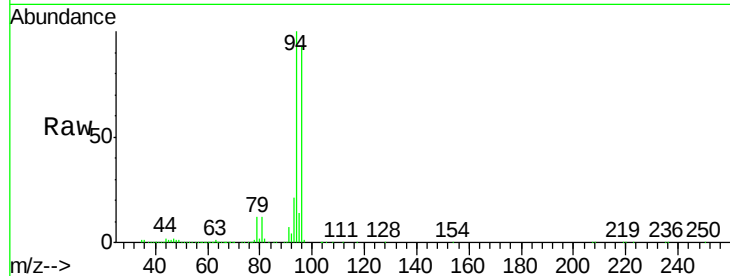
Ion Ratio Lower Upper

94 100

96 92.7 76.2 114.4

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#6

Chloroethane

Concen: 40.535 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010051.D

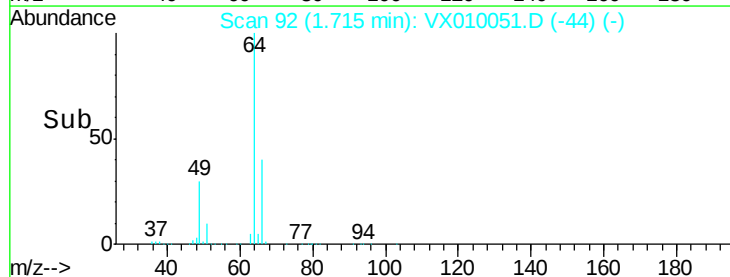
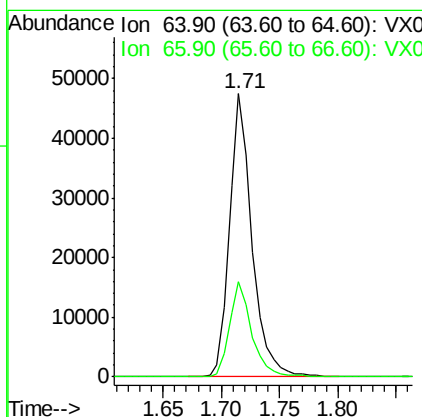
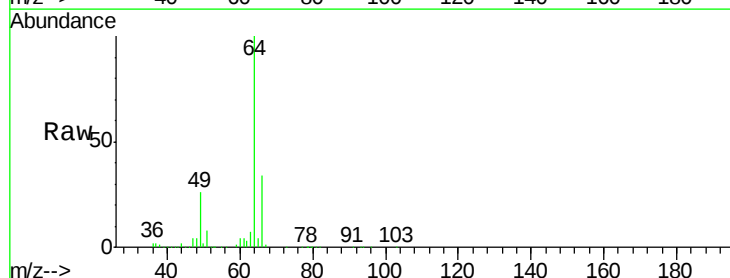
Acq: 04 Jun 2019 10:25

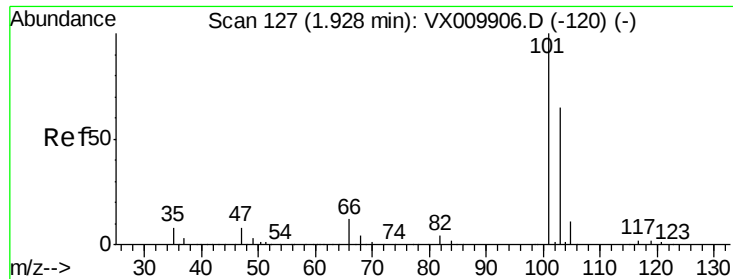
Tgt Ion: 64 Resp: 63430

Ion Ratio Lower Upper

64 100

66 33.5 25.1 37.7





#7

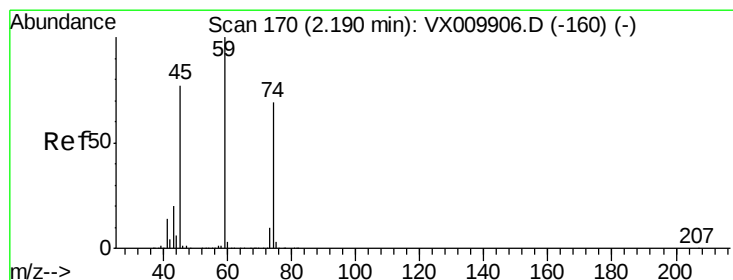
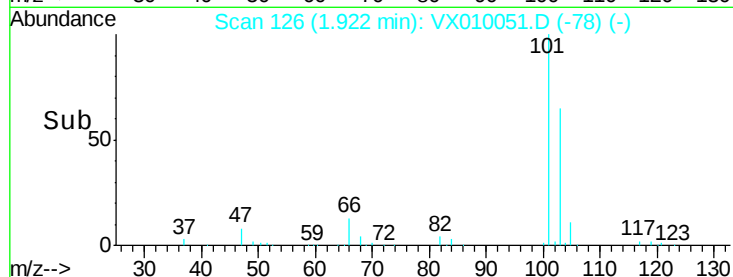
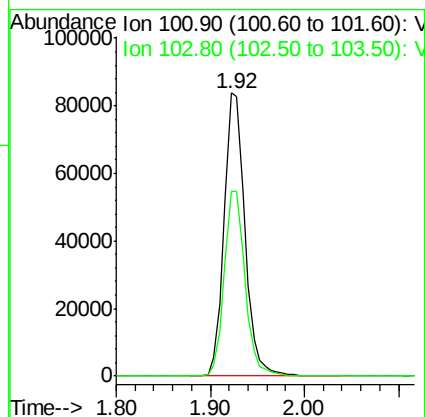
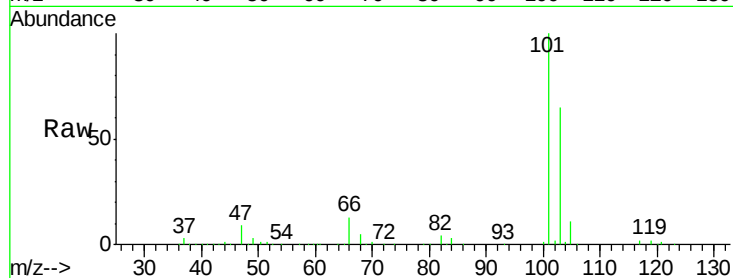
Trichlorofluoromethane
Concen: 45.844 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 128777
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.4

Manual Integrations
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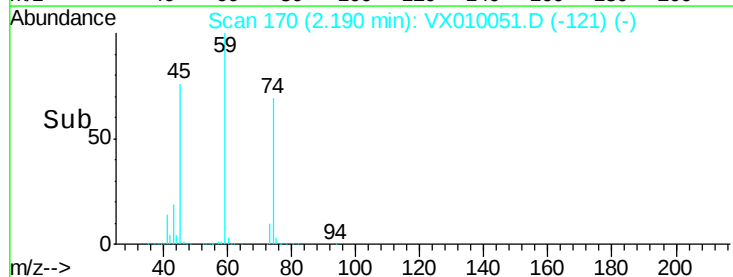
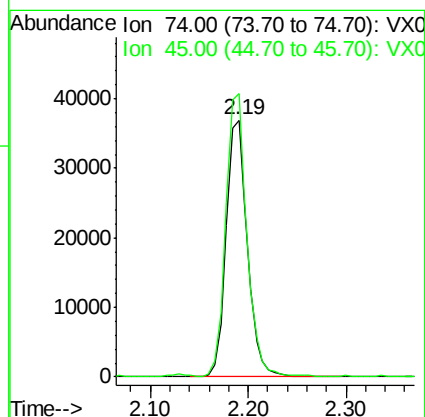
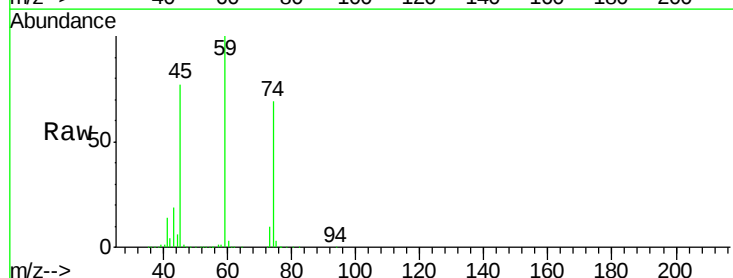
MMDadoda
6/5/2019 9:26:26 AM

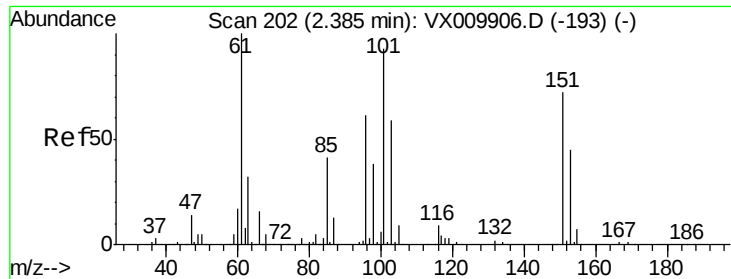


#8

Diethyl Ether
Concen: 42.135 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion: 74 Resp: 55620
Ion Ratio Lower Upper
74 100
45 108.4 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.993 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

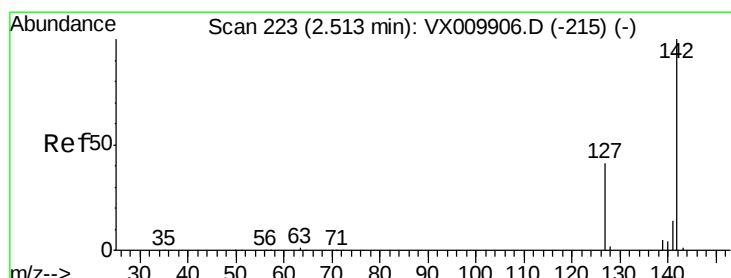
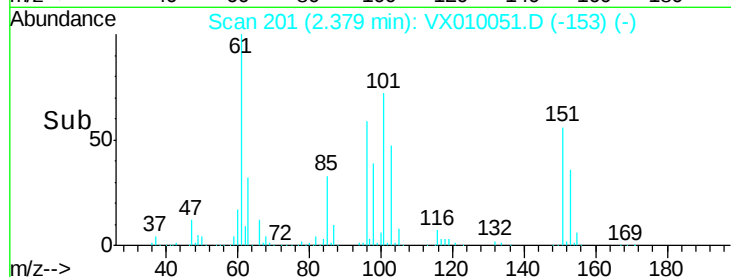
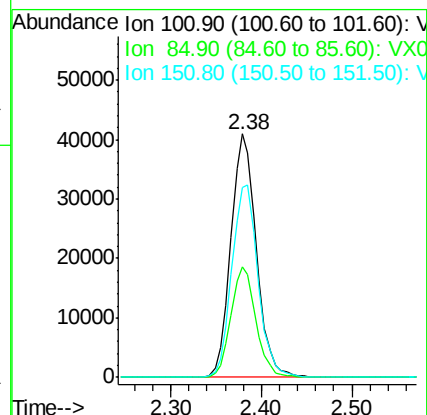
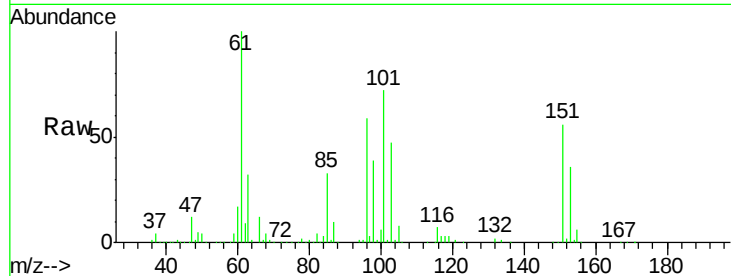
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	79698
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.2	52.8
151	81.2	61.9	92.9

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#10

Methyl Iodide

Concen: 45.550 ug/l

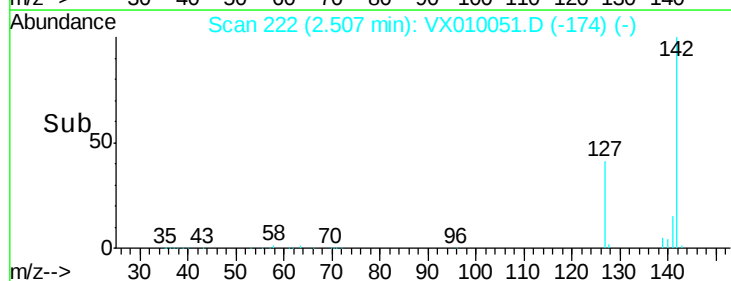
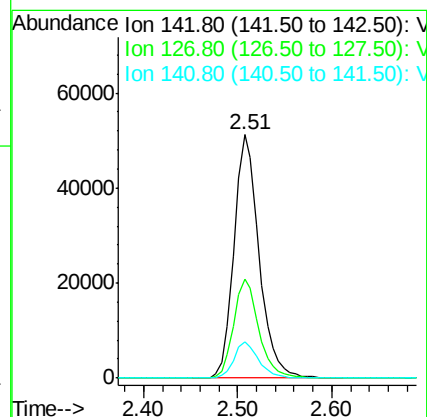
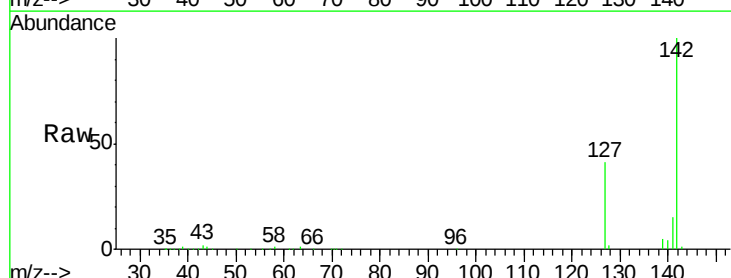
RT: 2.51 min Scan# 222

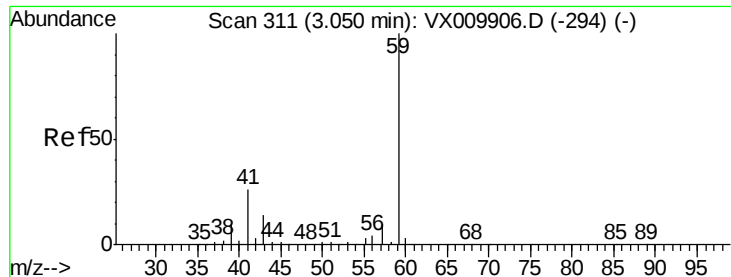
Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tgt Ion:	142	Resp:	94697
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.0	49.4
141	14.5	11.4	17.0





#11

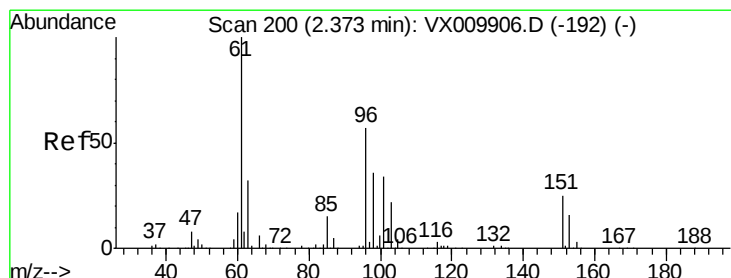
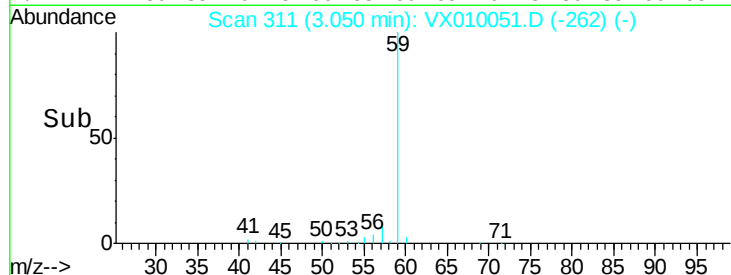
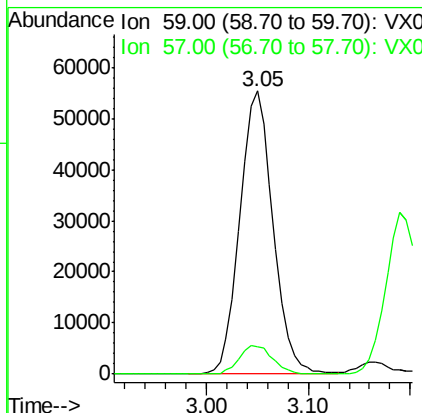
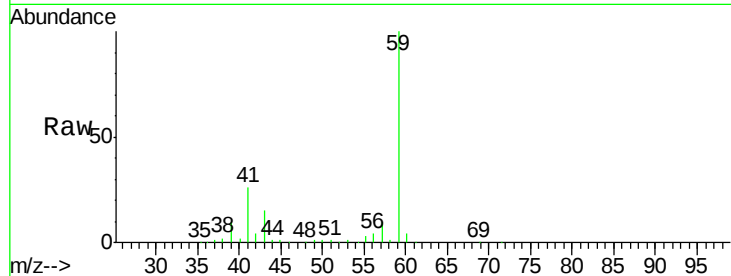
Tert butyl alcohol
Concen: 209.676 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
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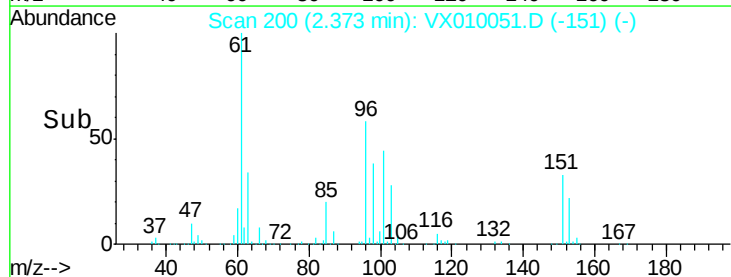
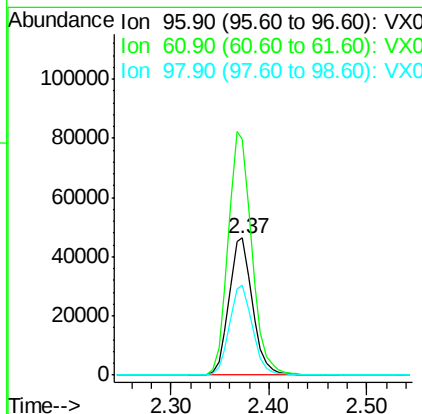
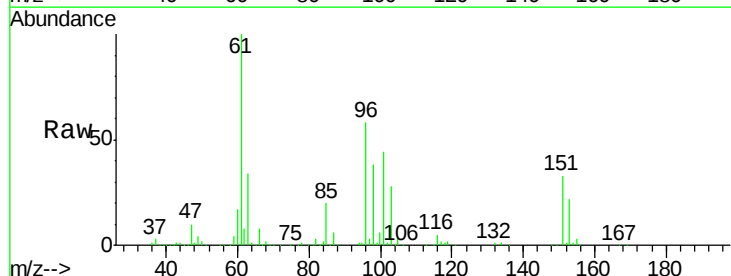
MMDadoda
6/5/2019 9:26:26 AM

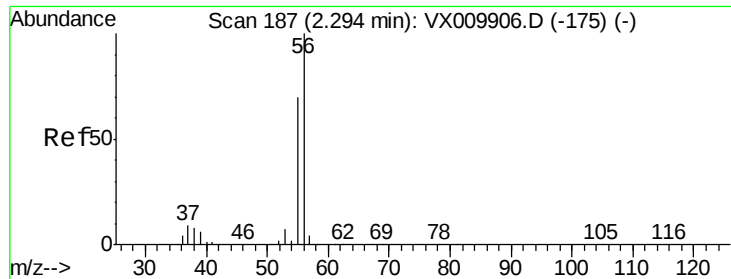


#12

1,1-Dichloroethene
Concen: 44.447 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.7	140.7	211.1
98	66.2	50.1	75.1





#13

Acrolein

Concen: 221.121 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 92403

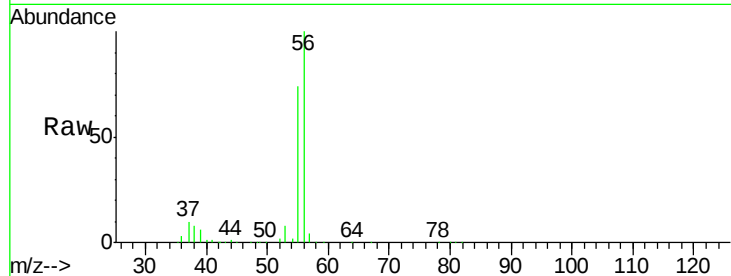
Ion Ratio Lower Upper

56 100

55 72.0 57.0 85.4

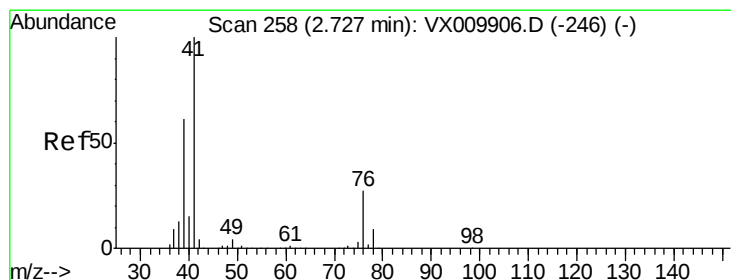
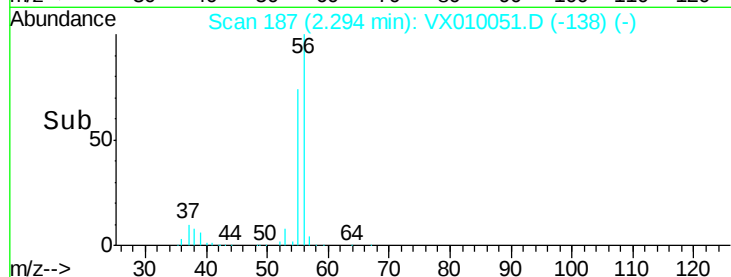
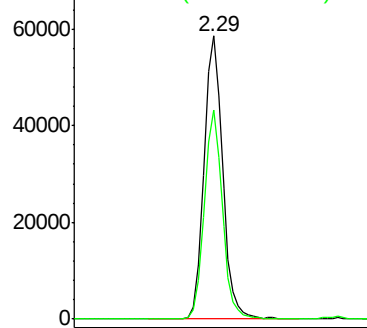
Manual Integrations
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6/5/2019 9:26:26 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.081 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

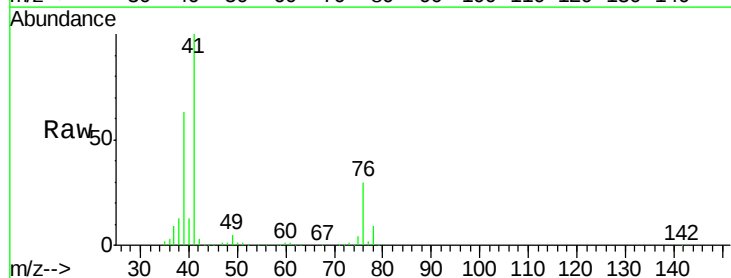
Tgt Ion: 41 Resp: 194695

Ion Ratio Lower Upper

41 100

39 58.7 46.7 70.1

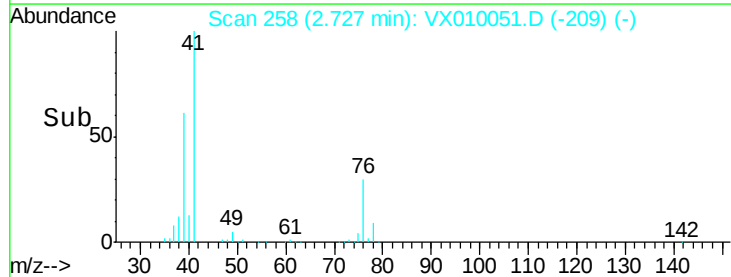
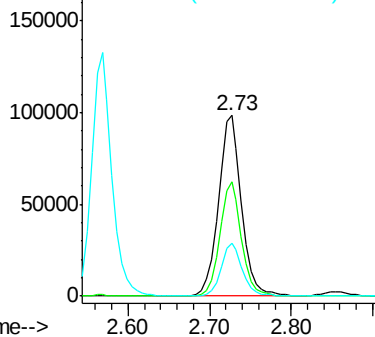
76 26.6 21.0 31.4

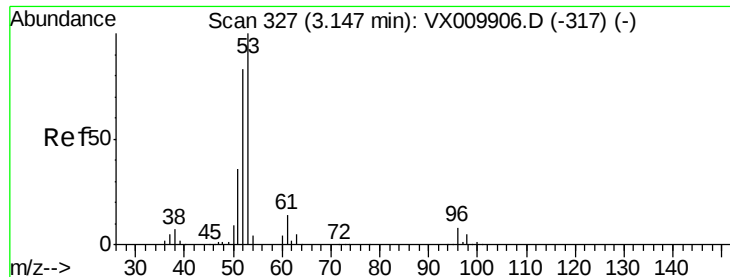


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 213.537 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

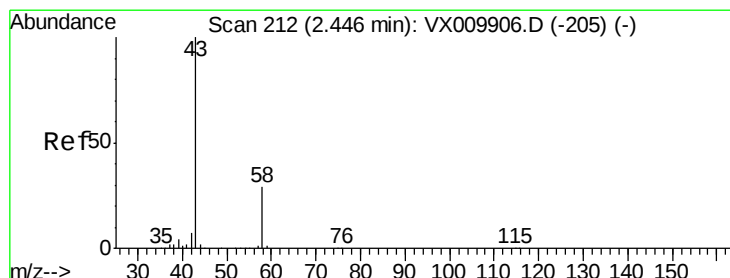
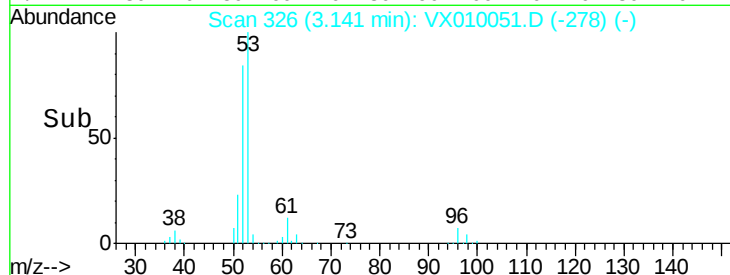
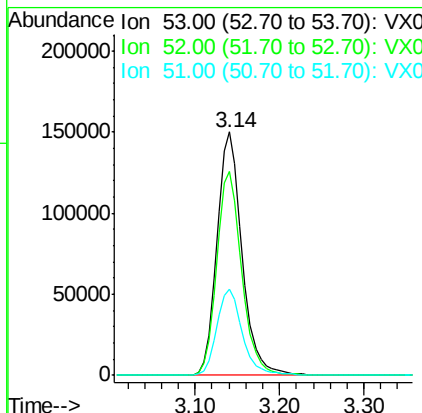
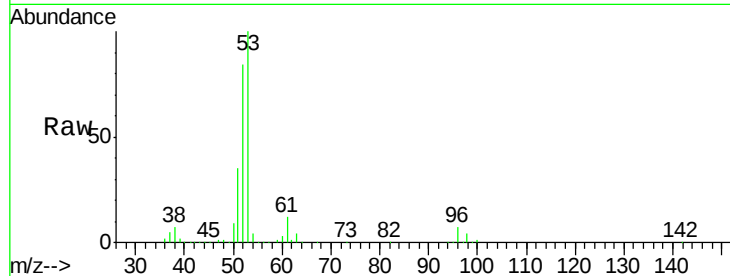
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	307021
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.7	100.1
51	36.3	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 225.366 ug/l

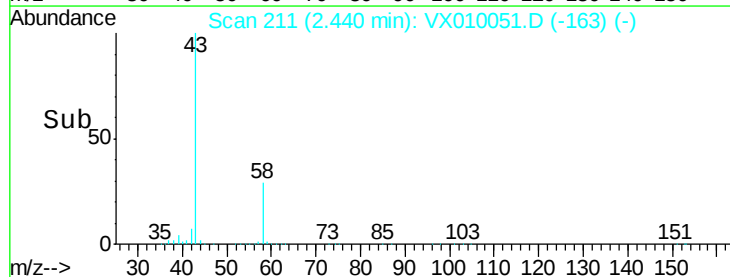
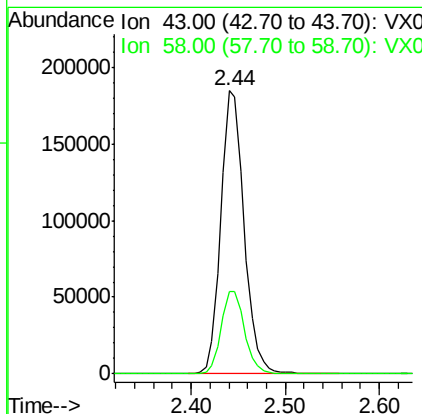
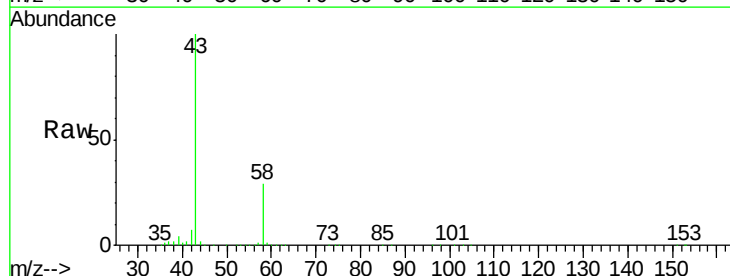
RT: 2.44 min Scan# 211

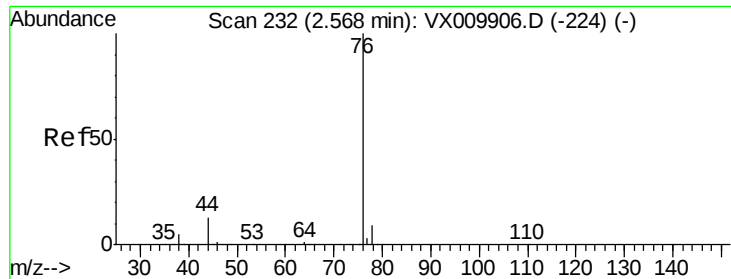
Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tgt Ion:	43	Resp:	315726
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.2	34.8





#17

Carbon Disulfide

Concen: 43.881 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 230727

Ion Ratio Lower Upper

76 100

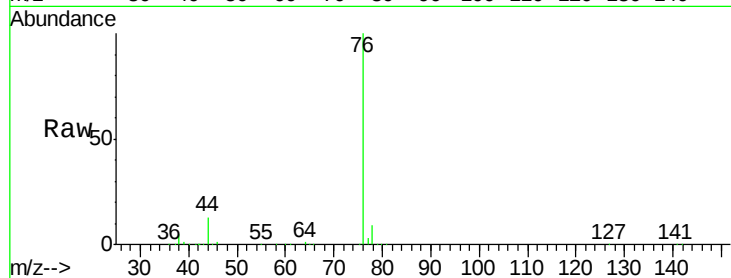
78 9.0 7.0 10.6

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

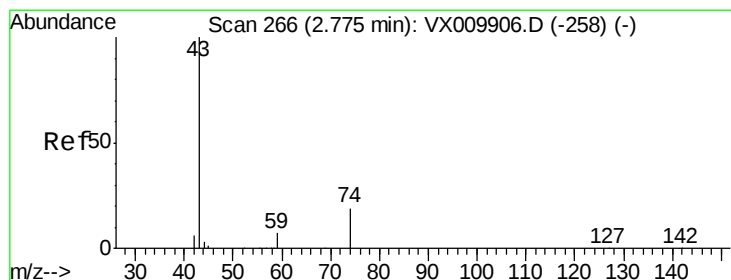
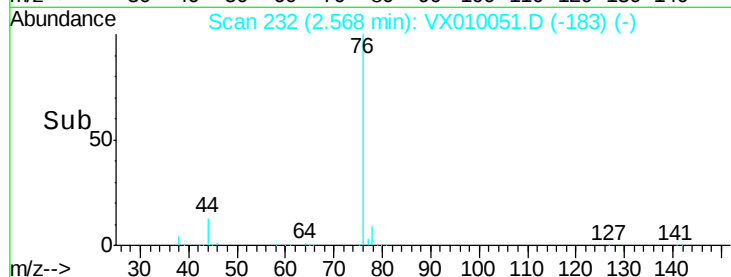
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.224 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010051.D

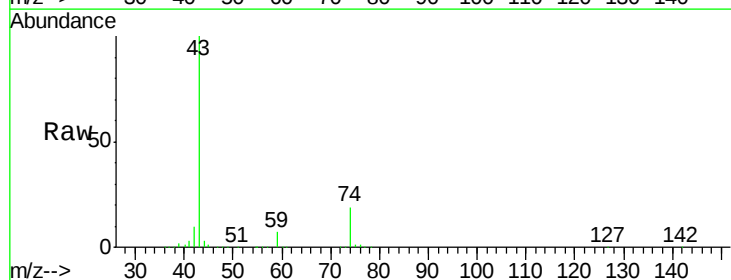
Acq: 04 Jun 2019 10:25

Tgt Ion: 43 Resp: 147420

Ion Ratio Lower Upper

43 100

74 20.0 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

80000

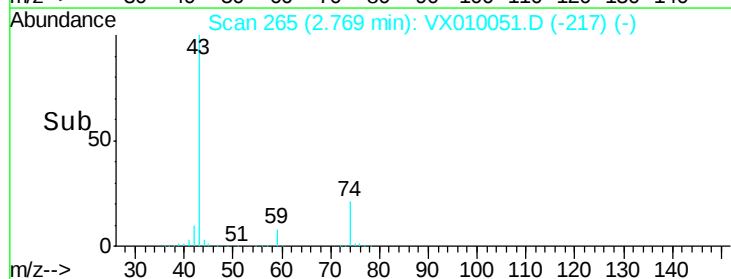
60000

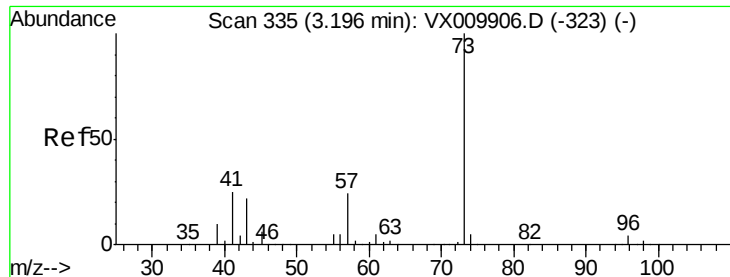
40000

20000

0

Time-->





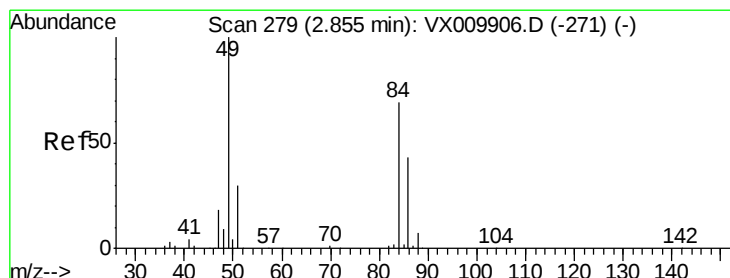
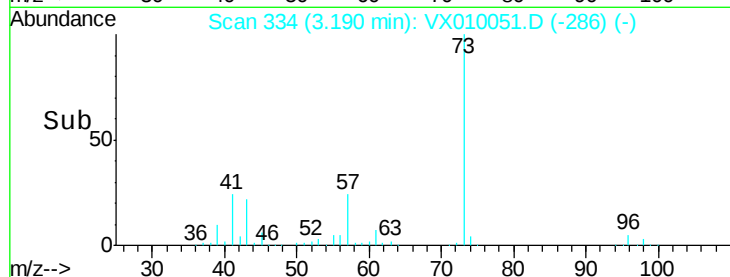
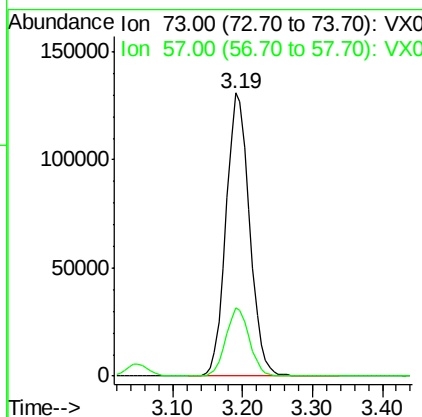
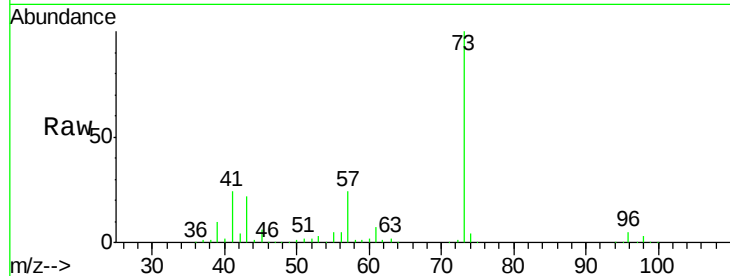
#19
Methvl tert-butvl Ether
Concen: 46.639 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.4	29.2

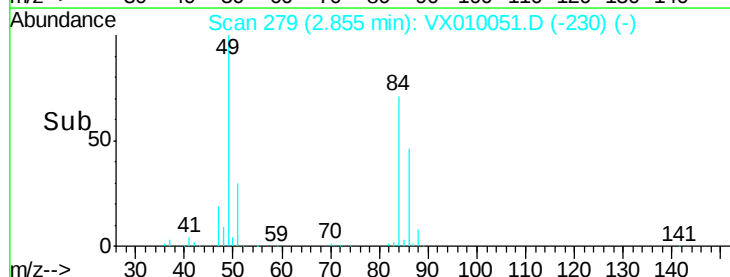
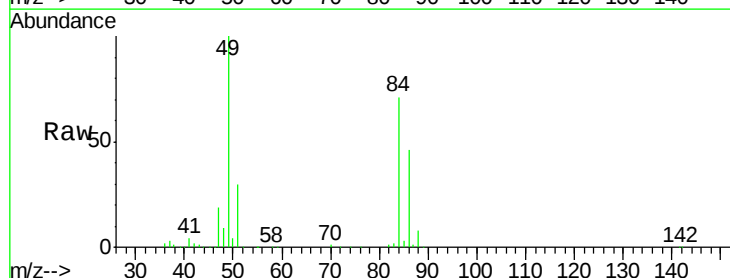
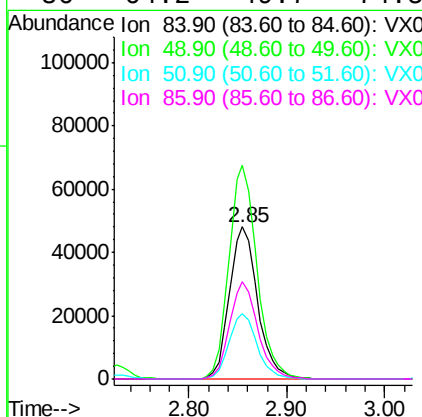
Manual Integrations
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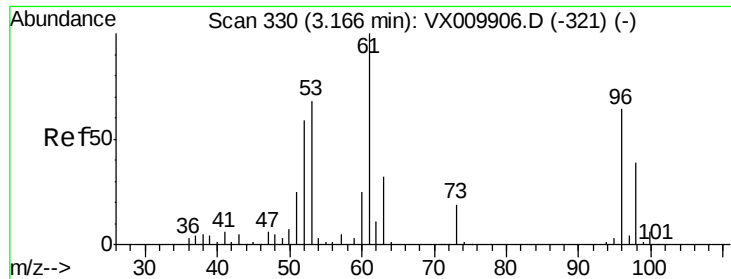
MMDadoda
6/5/2019 9:26:26 AM



#20
Methylene Chloride
Concen: 44.738 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.7	115.8	173.6
51	42.7	34.4	51.6
86	64.2	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 45.069 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 87174

Ion Ratio Lower Upper

96 100

61 161.1 125.7 188.5

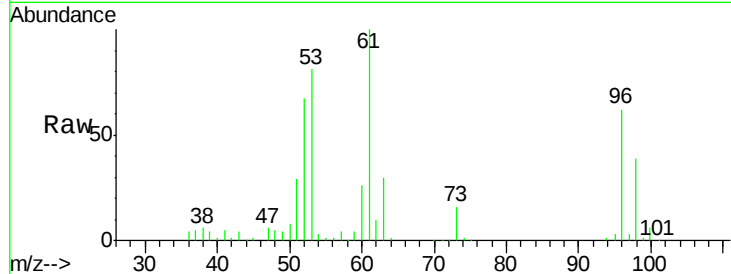
98 63.1 49.0 73.6

Manual Integrations

APPROVED

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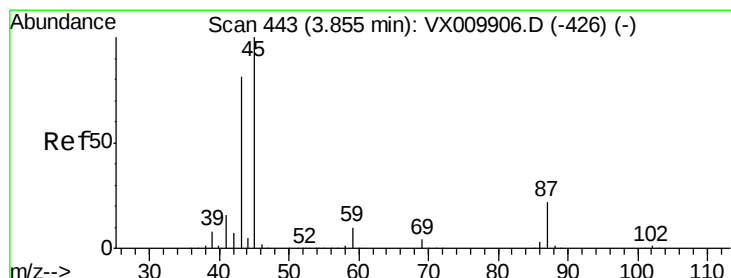
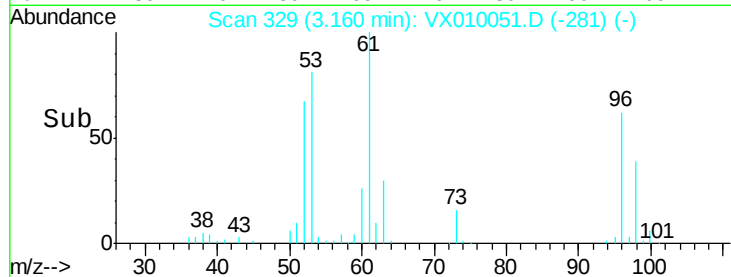
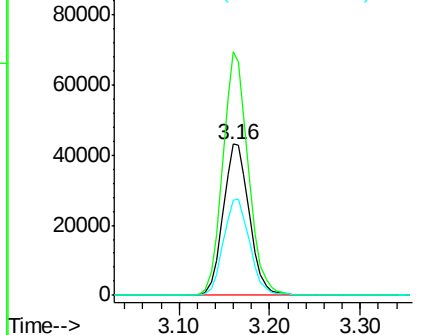
6/5/2019 9:26:26 AM



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: 45.906 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tgt Ion: 45 Resp: 369039

Ion Ratio Lower Upper

45 100

43 66.2 65.0 97.4

87 22.9 17.3 25.9

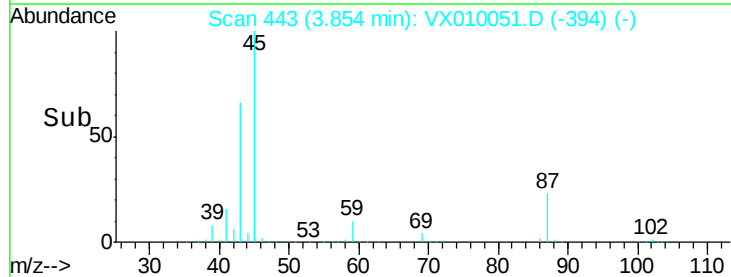
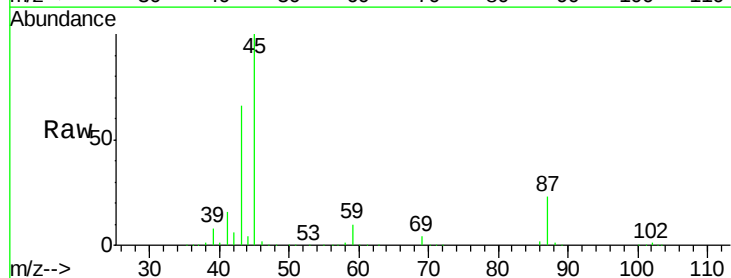
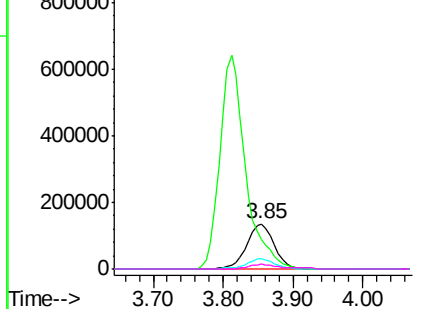
59 10.5 8.1 12.1

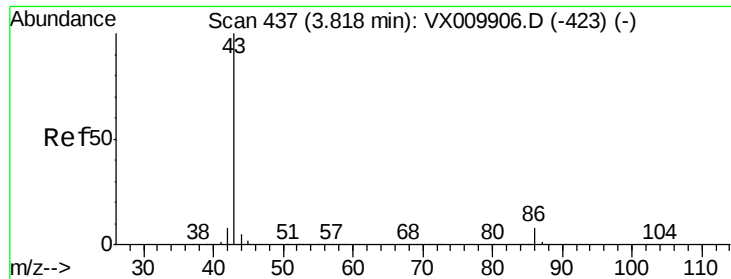
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 227.125 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1640269

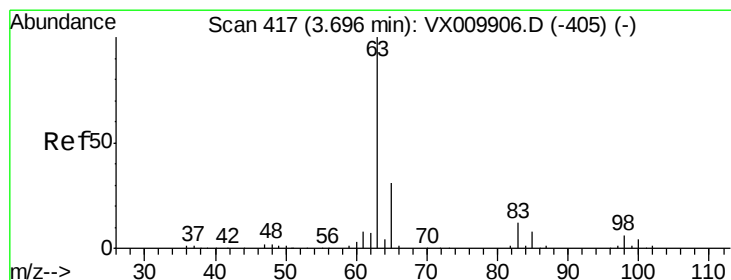
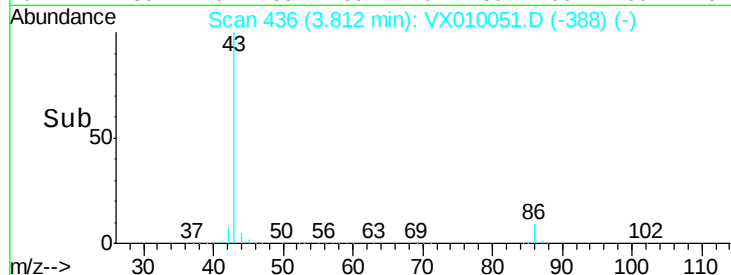
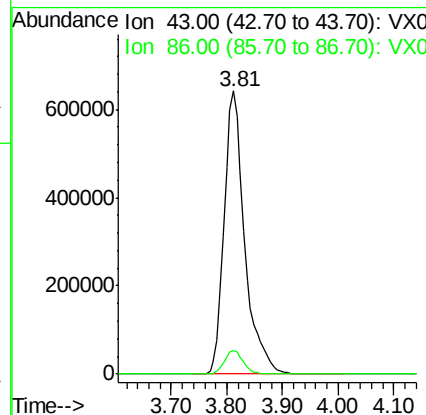
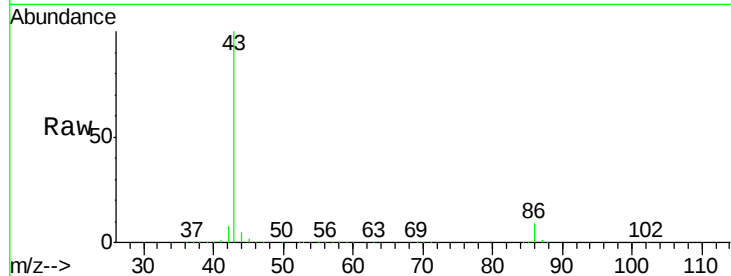
Ion Ratio Lower Upper

43 100

86 8.5 6.5 9.7

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 45.895 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

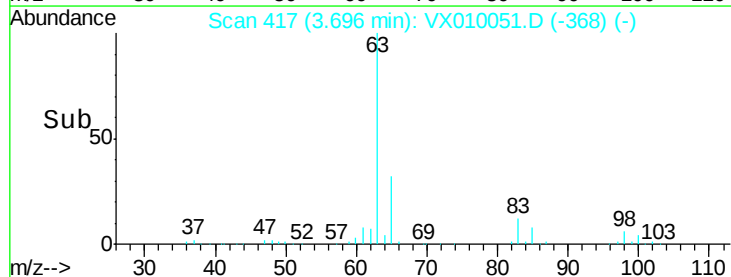
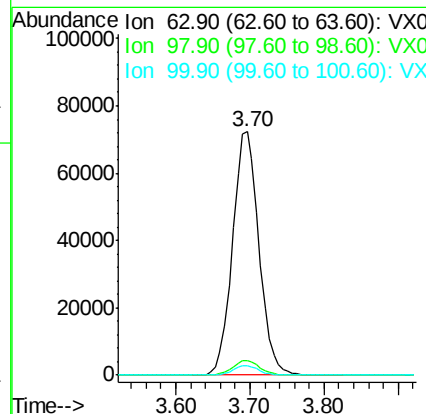
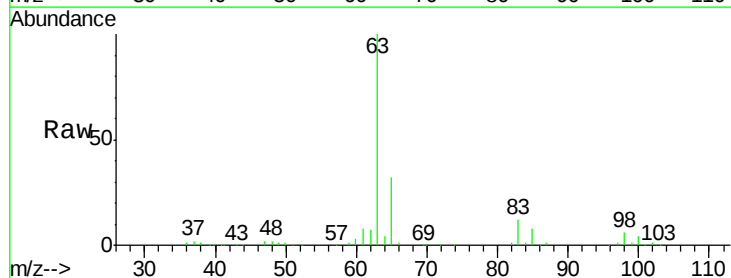
Tgt Ion: 63 Resp: 178802

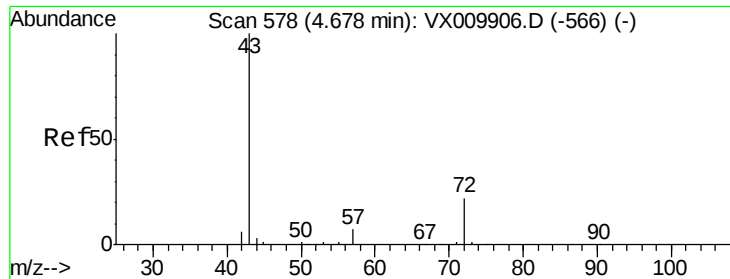
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.8 1.8 5.4





#25

2-Butanone

Concen: 218.912 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 477810

Ion Ratio Lower Upper

43 100

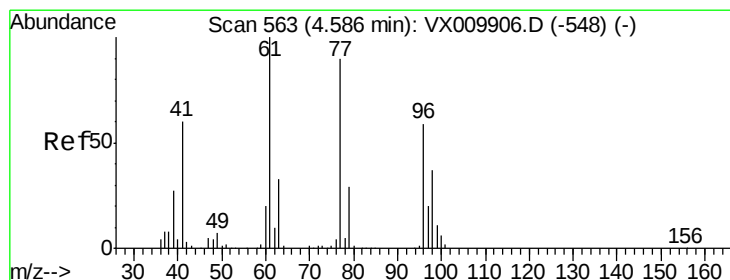
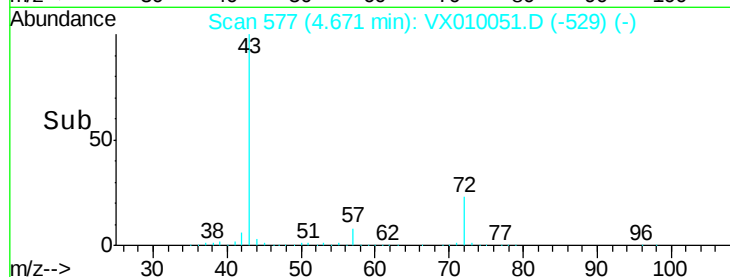
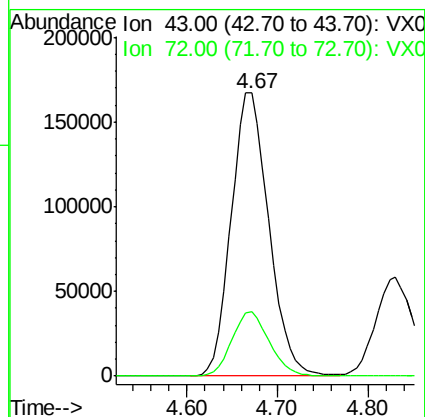
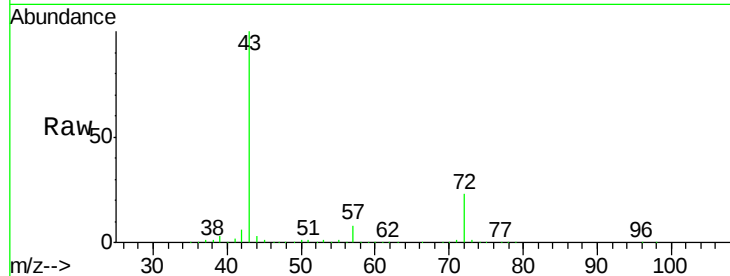
72 22.6 17.5 26.3

Manual Integrations

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MMDadoda

6/5/2019 9:26:26 AM



#26

2,2-Dichloropropane

Concen: 47.791 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010051.D

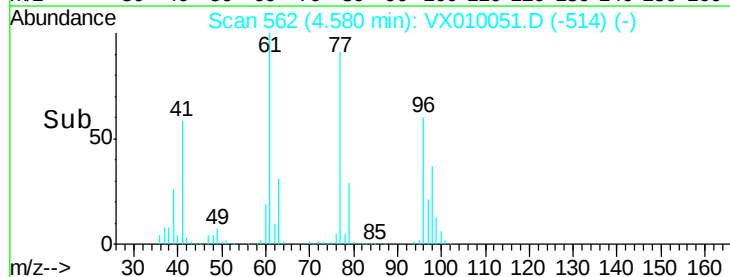
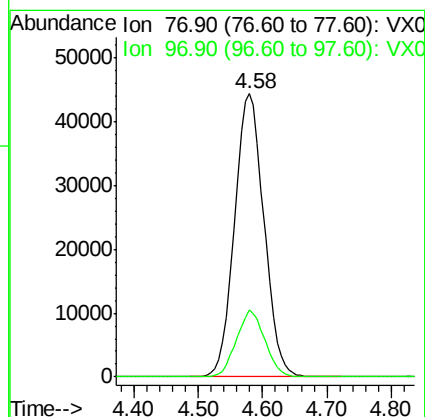
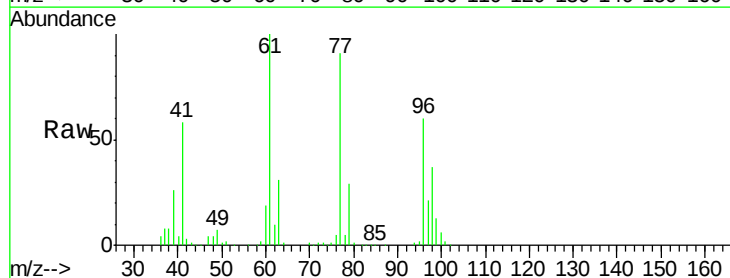
Acq: 04 Jun 2019 10:25

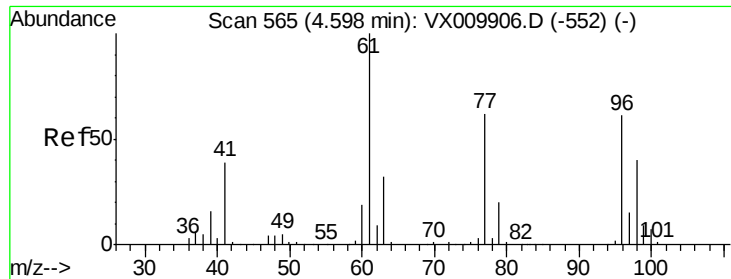
Tgt Ion: 77 Resp: 140844

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.2





#27

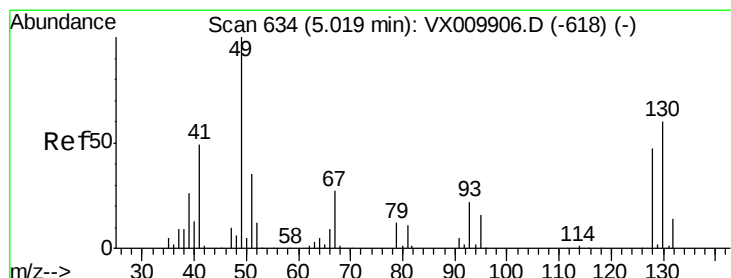
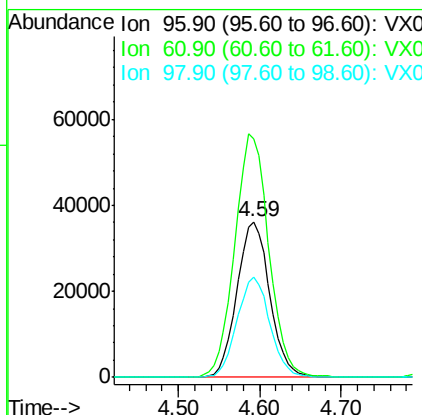
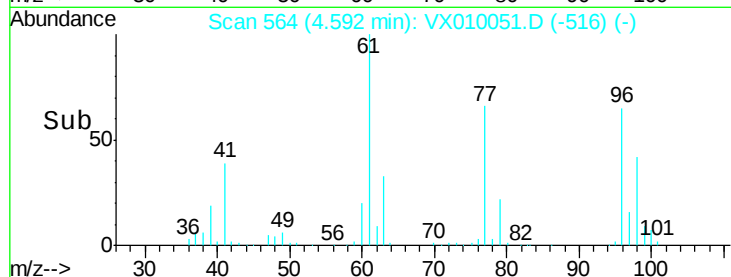
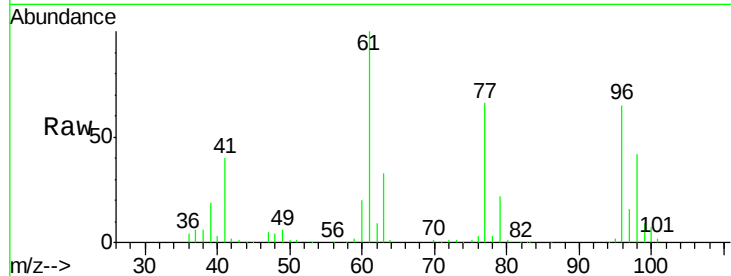
cis-1,2-Dichloroethene
Concen: 45.285 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	101109		
61	162.4	0.0	334.0	
98	64.4	0.0	131.6	

Manual Integrations
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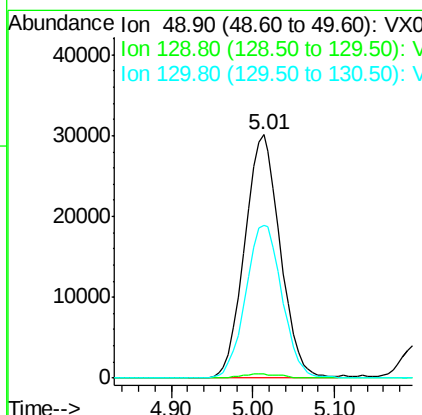
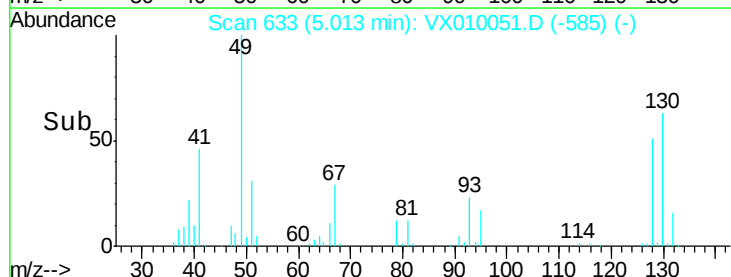
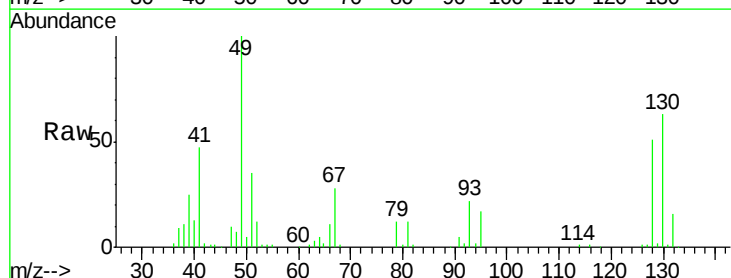
MMDadoda
6/5/2019 9:26:26 AM

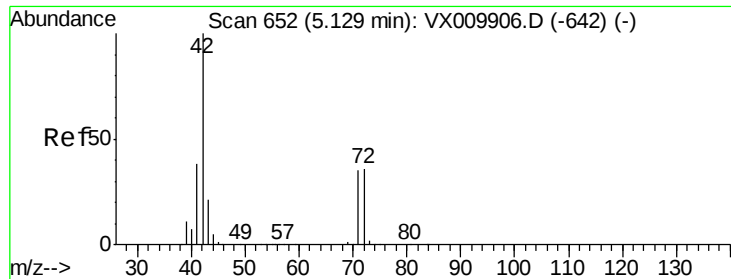


#28

Bromochloromethane
Concen: 45.115 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	91209		
129	1.9	0.0	3.4	
130	64.3	49.4	74.2	





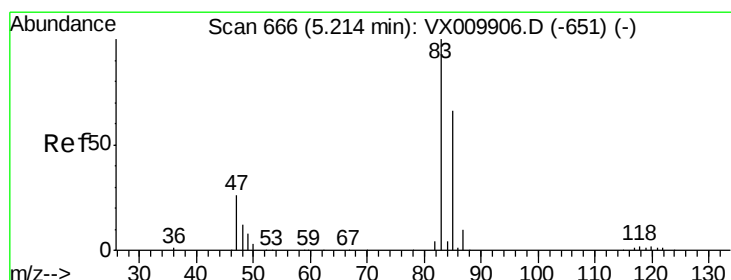
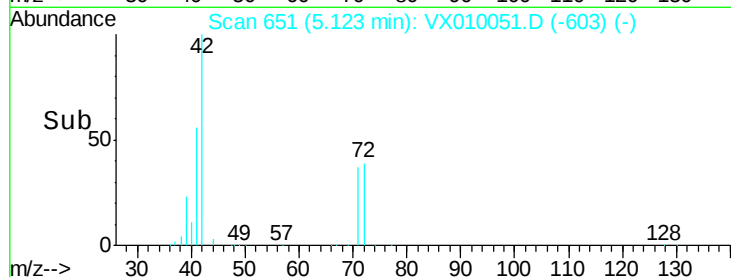
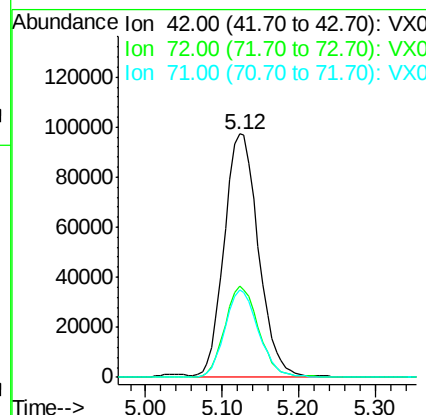
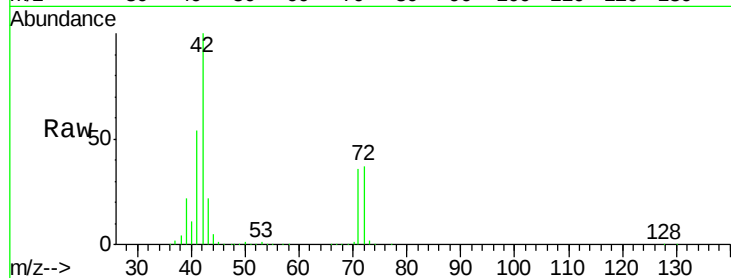
#29
Tetrahydrofuran
Concen: 214.432 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.2	43.8
71	35.3	27.6	41.4

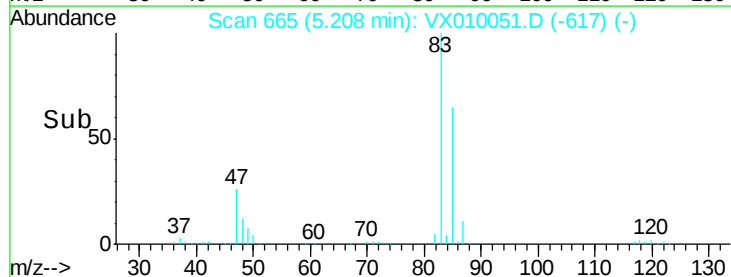
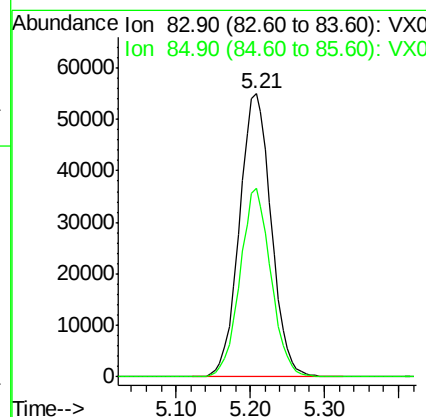
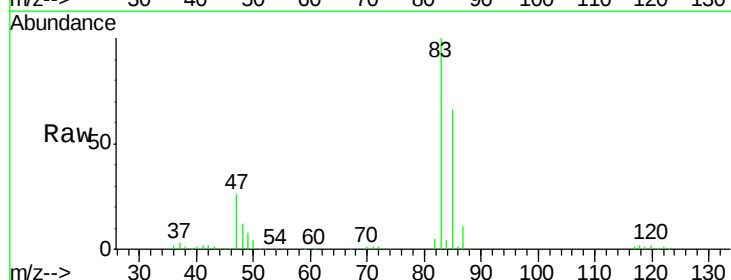
Manual Integrations
APPROVED

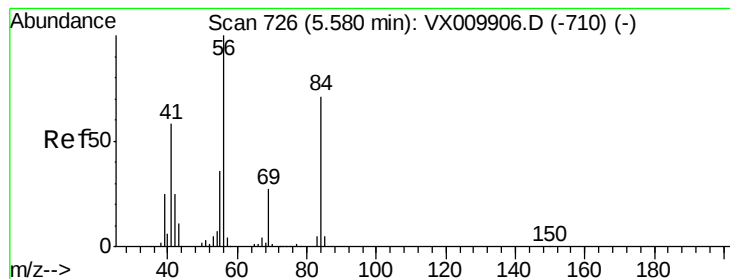
MMDadoda
6/5/2019 9:26:26 AM



#30
Chloroform
Concen: 46.890 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.6	78.8





#31

Cyclohexane

Concen: 47.324 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

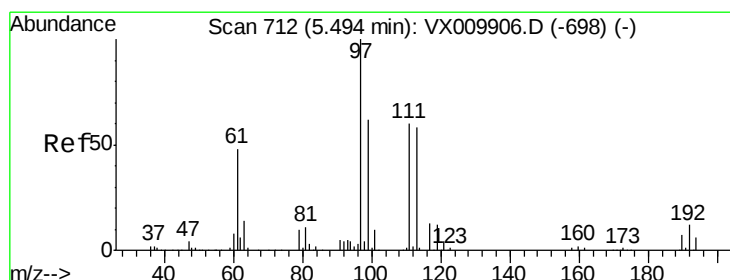
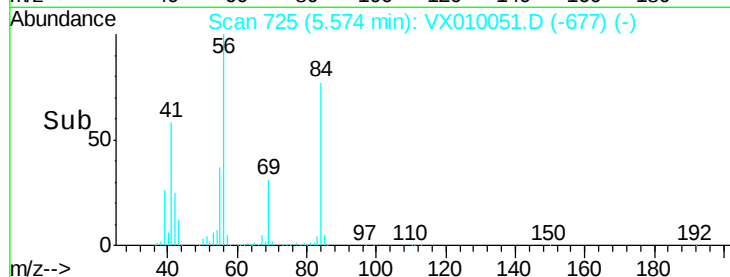
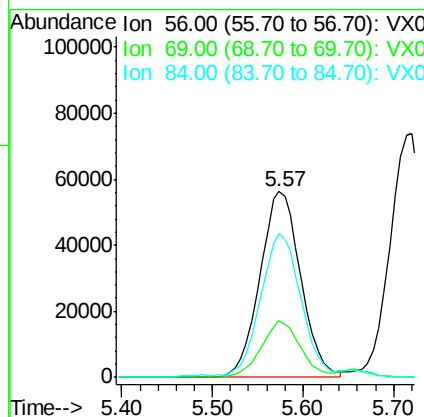
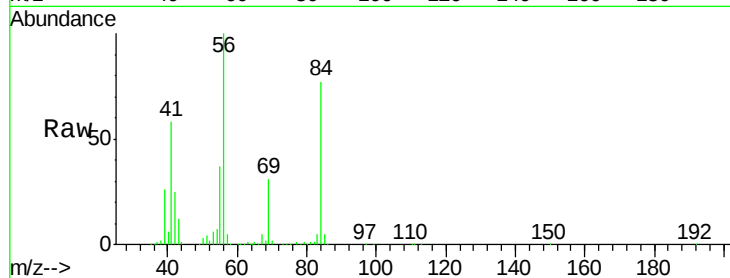
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	174621
Ion	Ratio	Lower	Upper
56	100		
69	30.7	21.6	32.4
84	76.2	56.8	85.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.949 ug/l

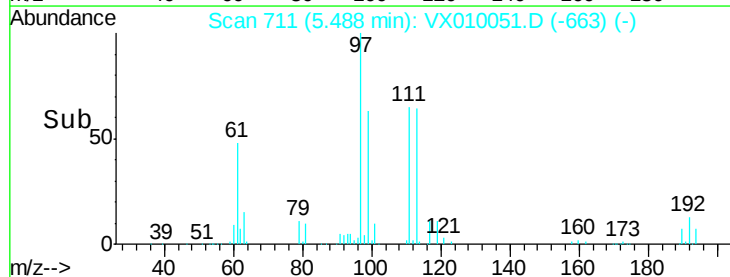
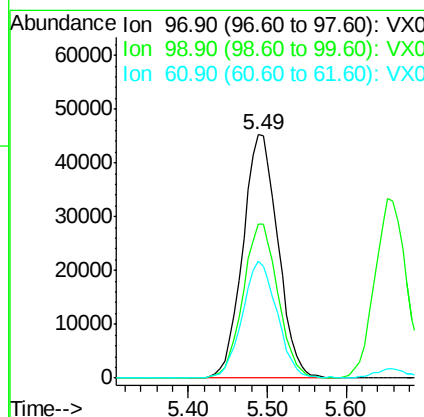
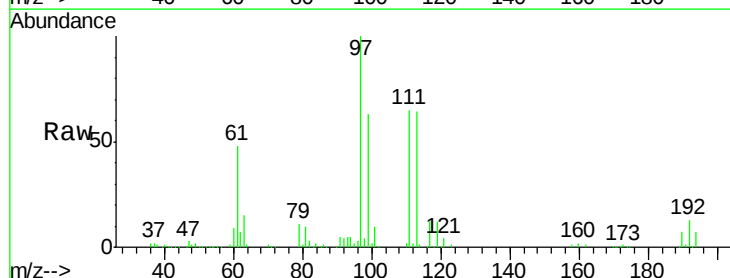
RT: 5.49 min Scan# 711

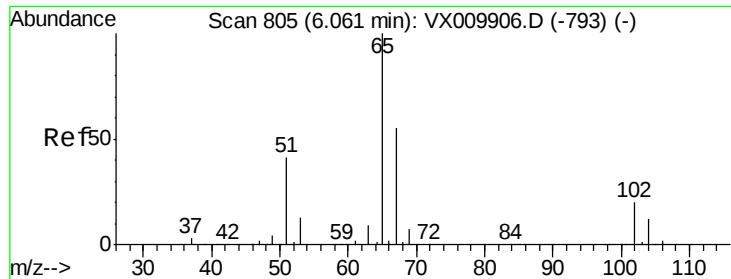
Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tgt Ion:	97	Resp:	140064
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.4
61	47.6	38.7	58.1





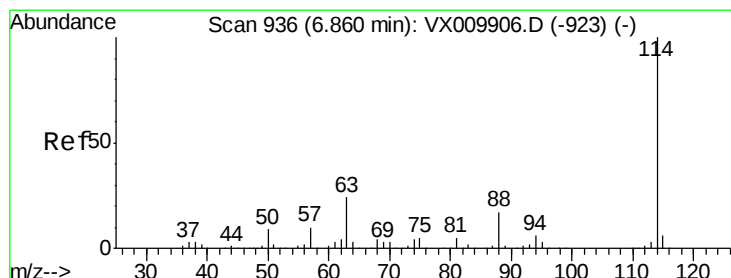
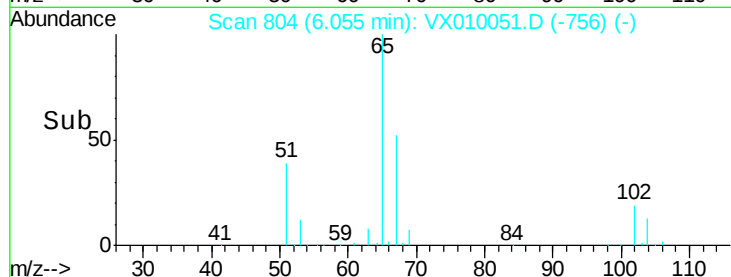
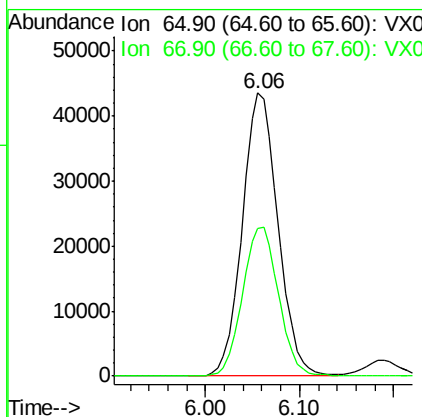
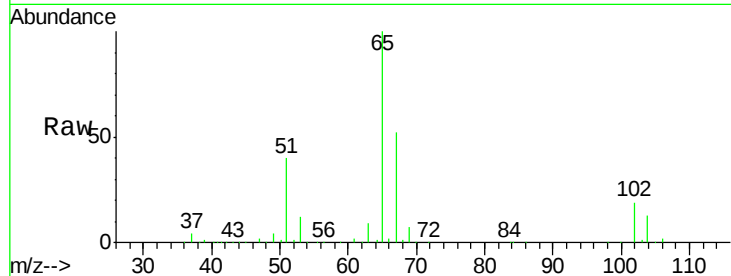
#33
 1,2-Dichloroethane-d4
 Concen: 47.620 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	108.4	

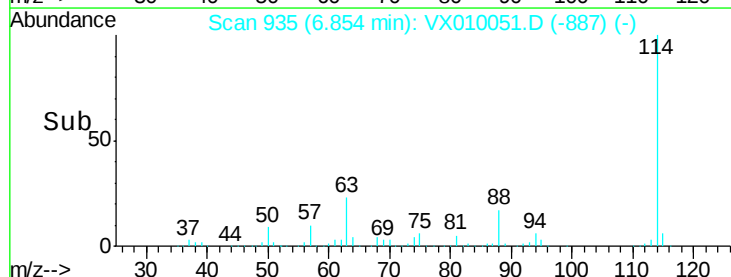
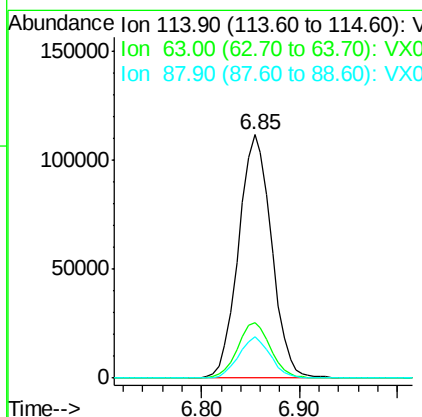
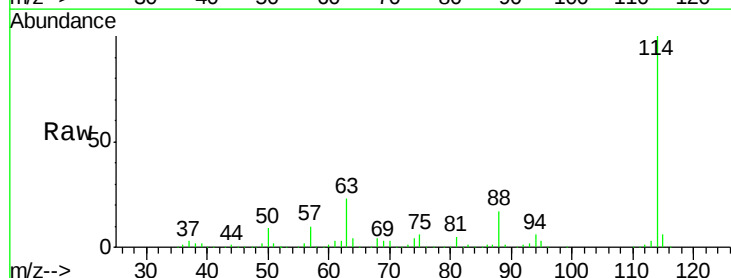
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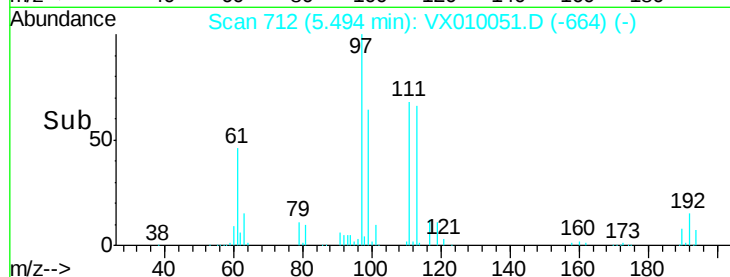
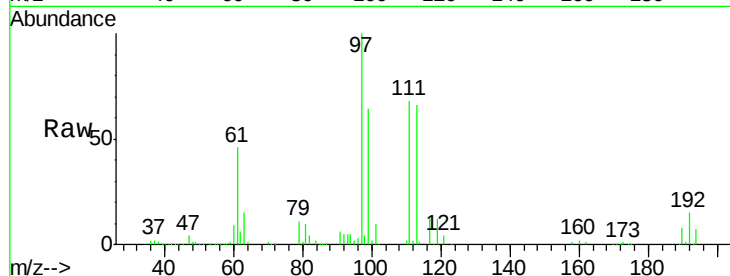
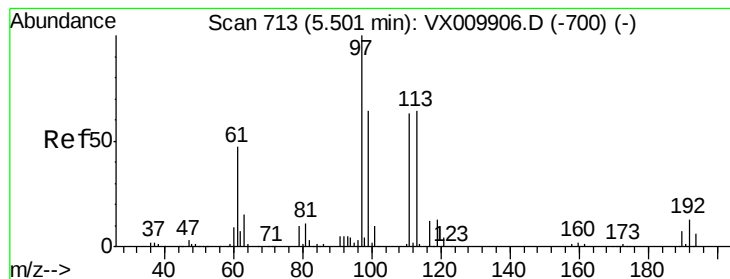
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 6/5/2019 9:26:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.7	0.0	47.4	
88	16.9	0.0	33.0	





#35

Dibromofluoromethane

Concen: 51.668 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tot Ion:	113	Resp:	84955
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.2
192	22.2	17.1	25.7

Instrument :

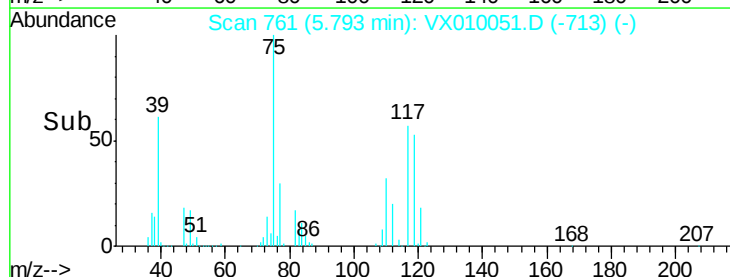
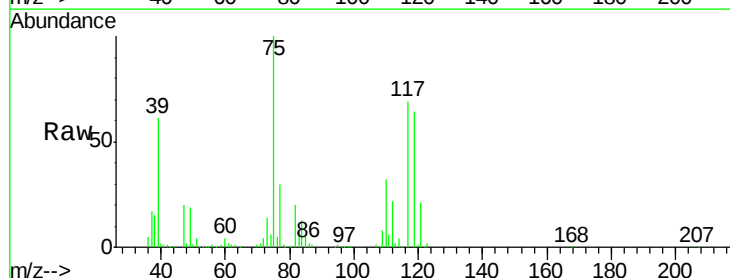
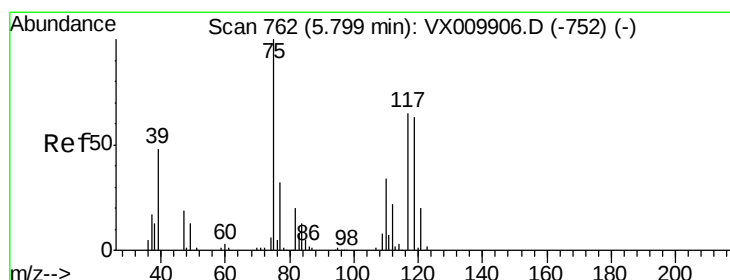
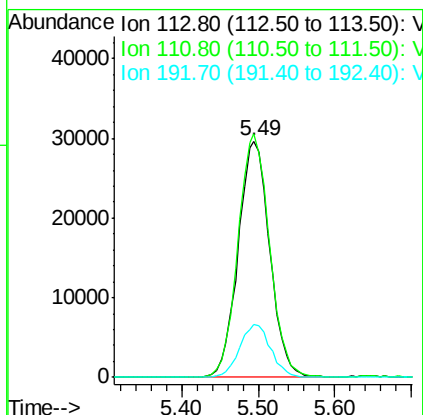
MSVOA_X

ClientSampleId :

VSTDCCC050

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#36

1,1-Dichloropropene

Concen: 48.401 ug/l

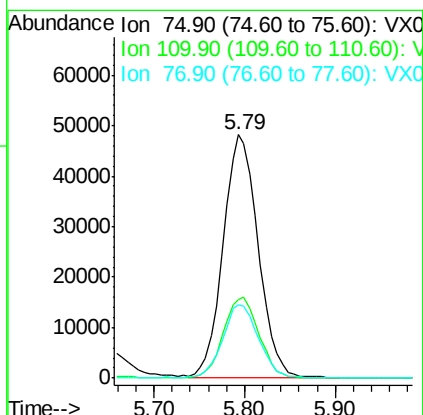
RT: 5.79 min Scan# 761

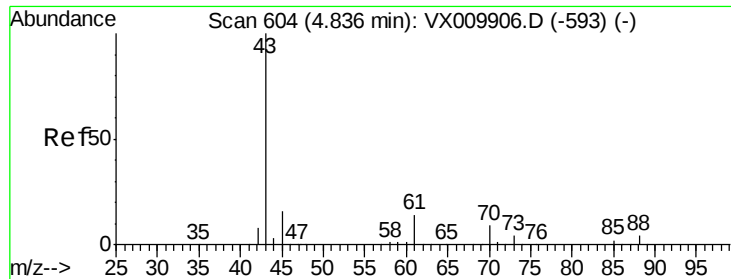
Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tgt Ion:	75	Resp:	128433
Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	31.2	25.0	37.4





#37

Ethyl Acetate

Concen: 46.622 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

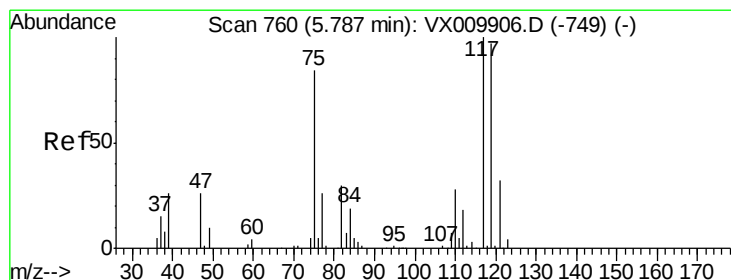
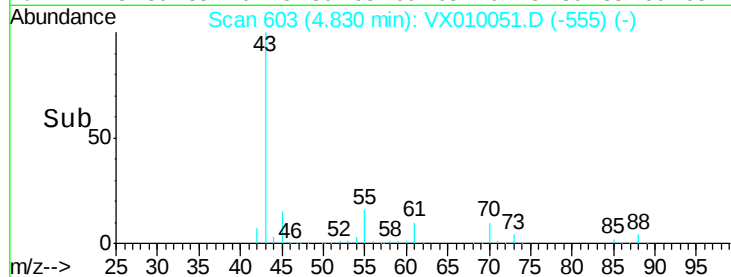
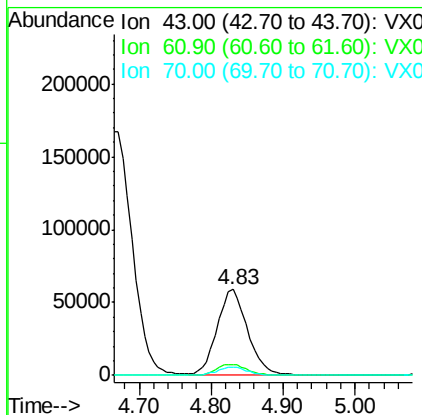
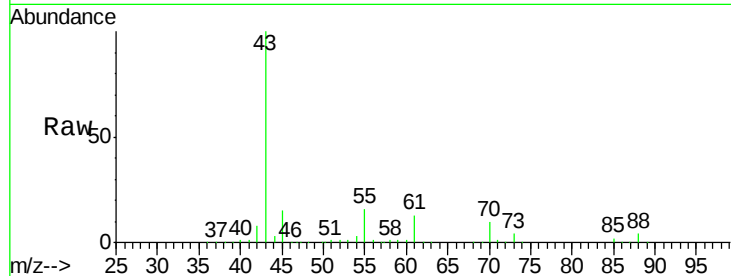
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	172377
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.4	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 51.609 ug/l

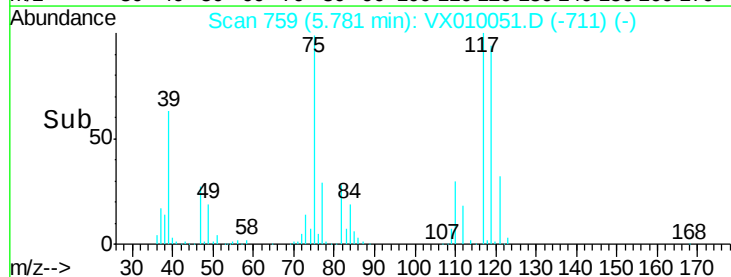
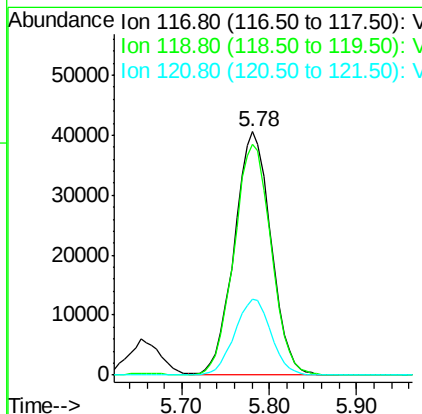
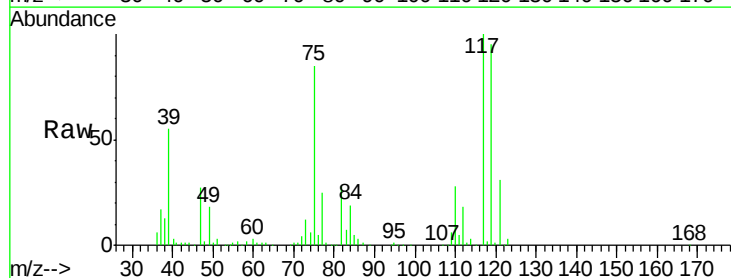
RT: 5.78 min Scan# 759

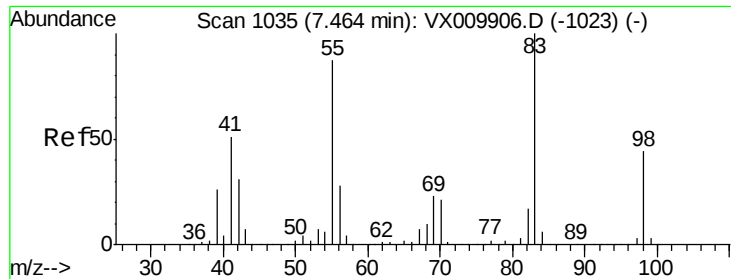
Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tgt Ion:	117	Resp:	118339
Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.3	115.9
121	31.4	25.4	38.0





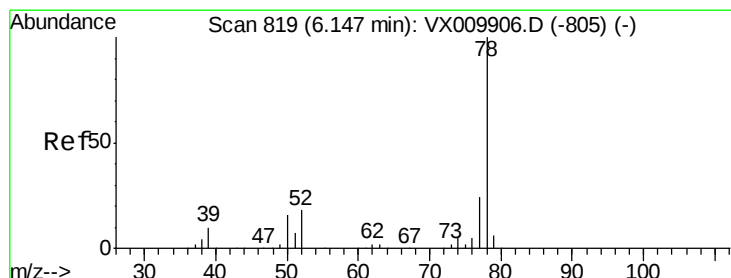
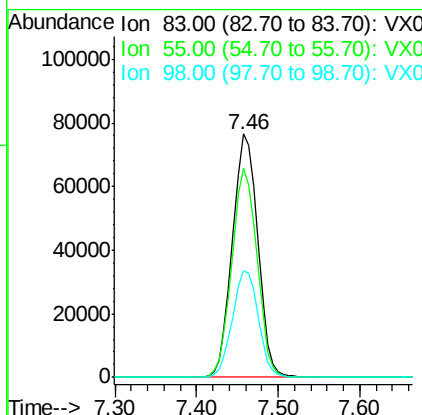
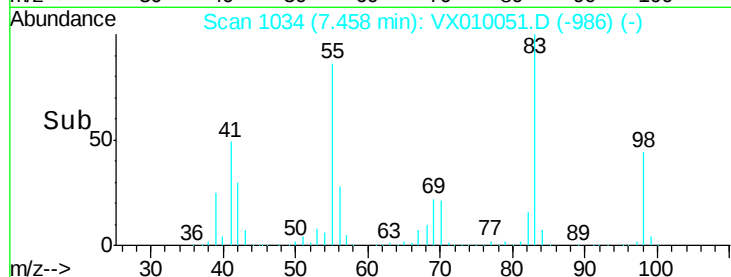
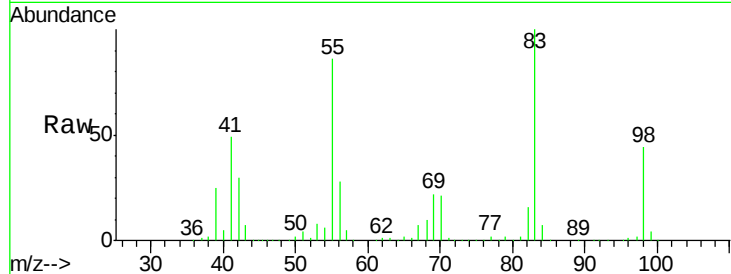
#39
Methvlcvclohexane
Concen: 52.109 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	69.9	104.9
98	43.6	35.1	52.7

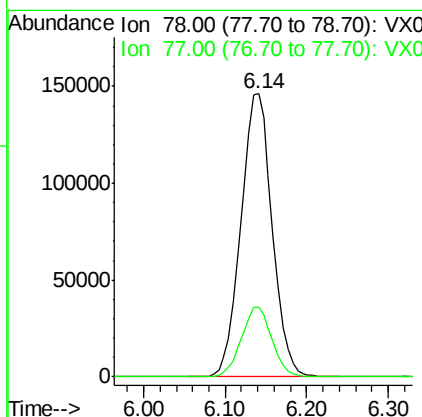
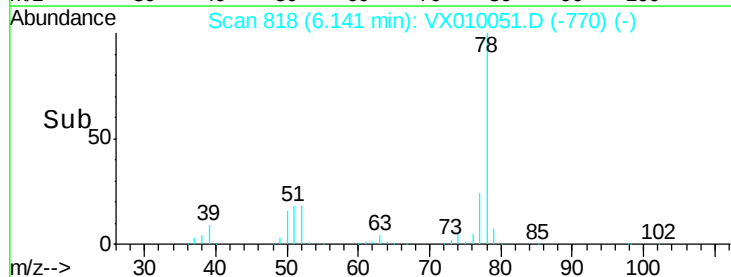
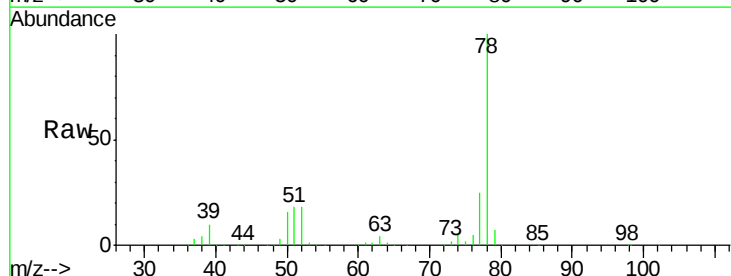
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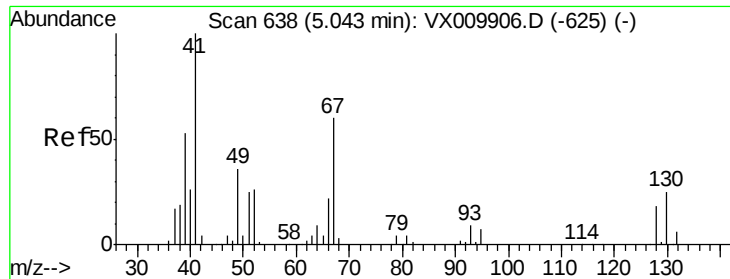
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6/5/2019 9:26:26 AM



#40
Benzene
Concen: 49.410 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8





#41

Methacrylonitrile

Concen: 45.742 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

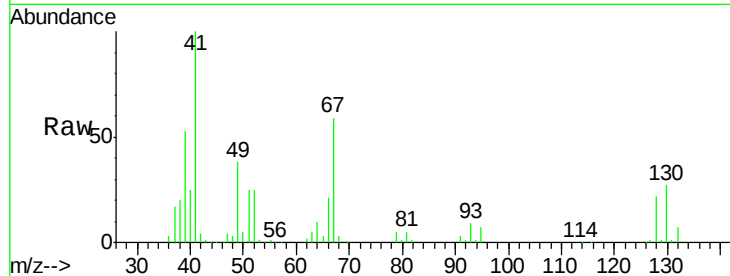
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	98824
Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.2	63.4
67	62.4	48.9	73.3
52	25.8	20.1	30.1

Manual Integrations
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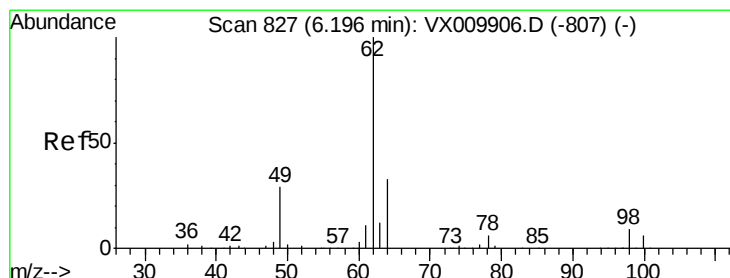
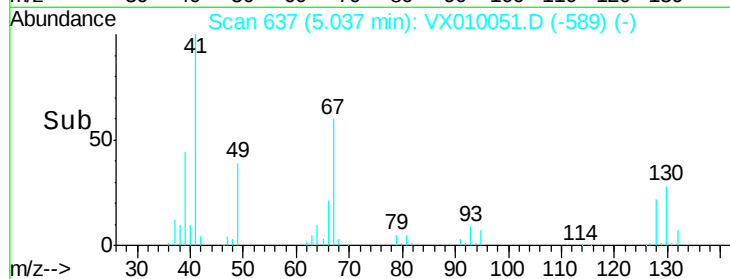
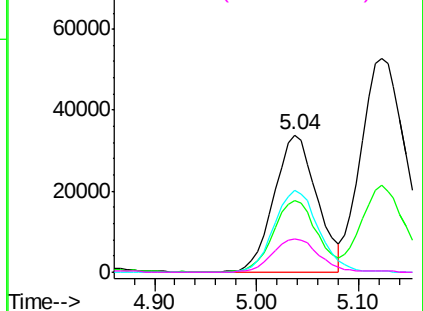
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.661 ug/l

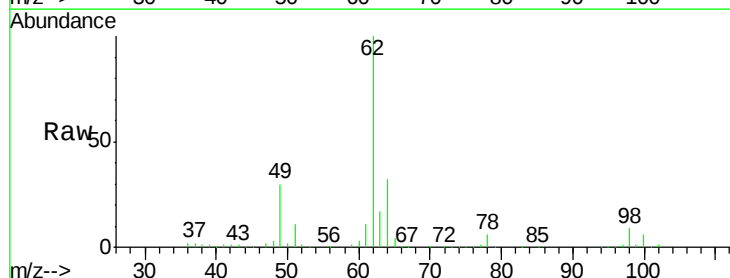
RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

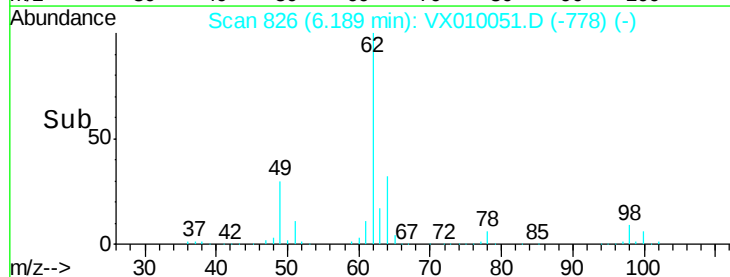
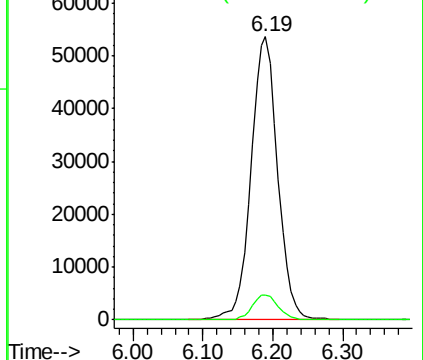
Tgt Ion:	62	Resp:	141607
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2

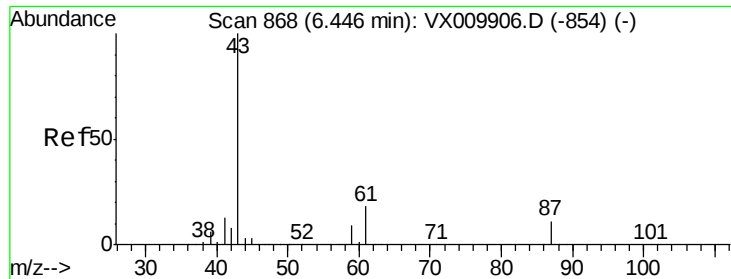


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





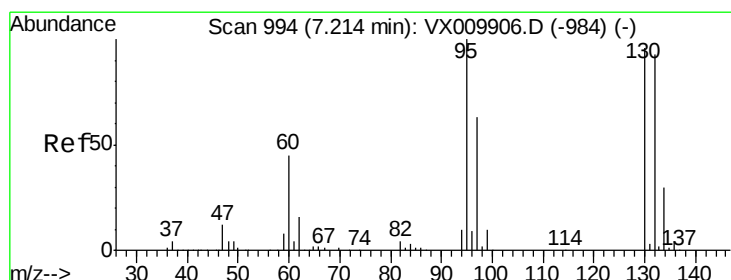
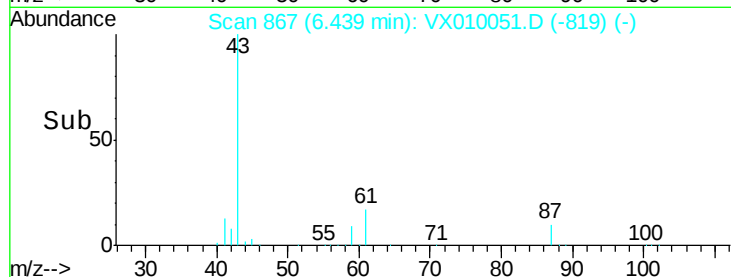
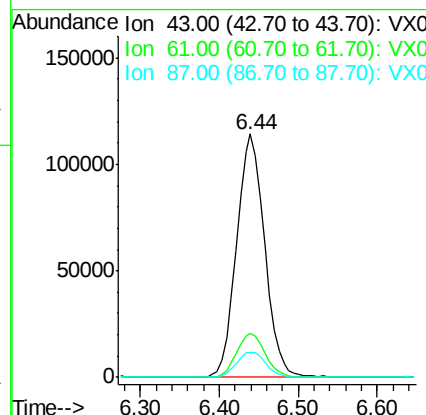
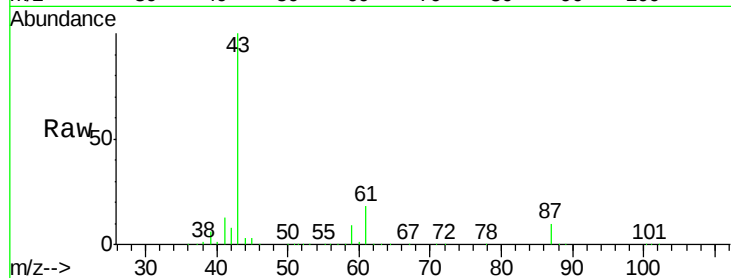
#43
Isopropyl Acetate
Concen: 47.139 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.6	21.8
87	11.0	8.7	13.1

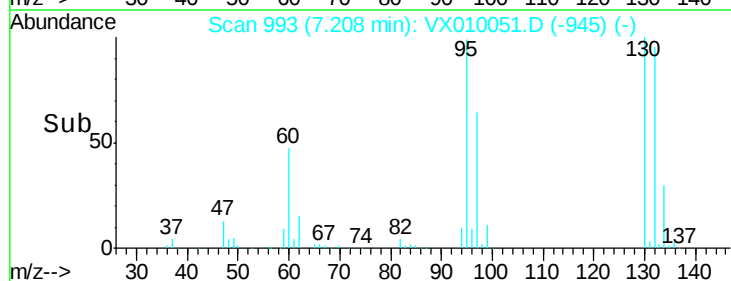
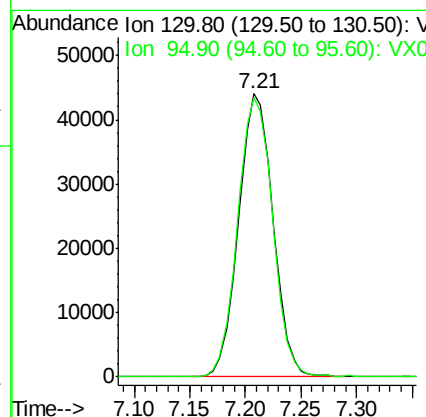
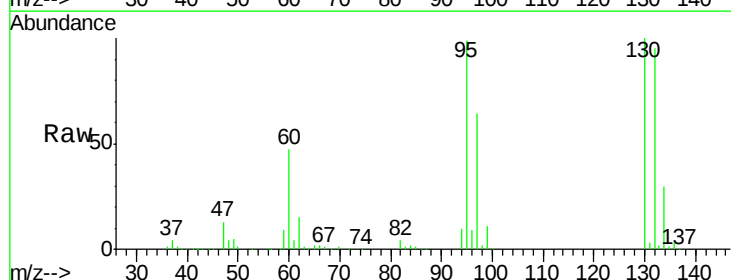
Manual Integrations
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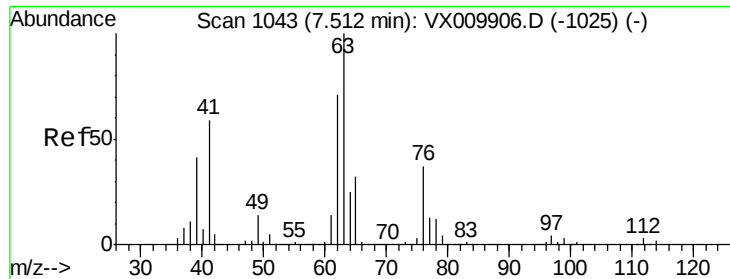
MMDadoda
6/5/2019 9:26:26 AM



#44
Trichloroethene
Concen: 49.412 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	207.4





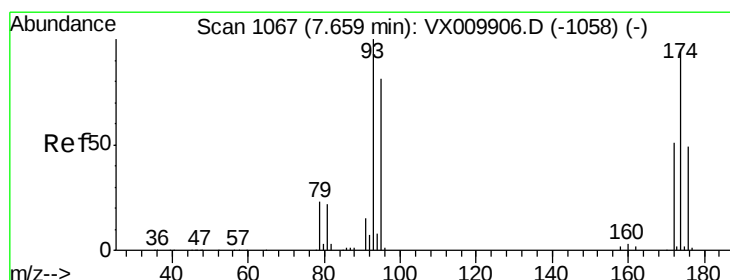
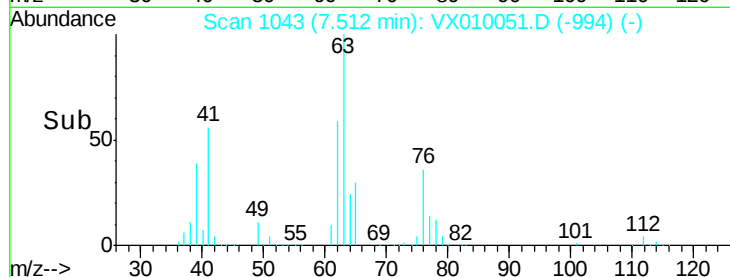
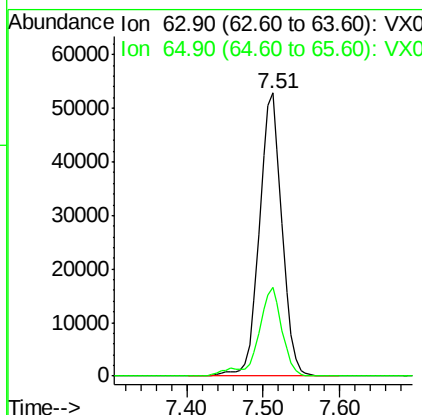
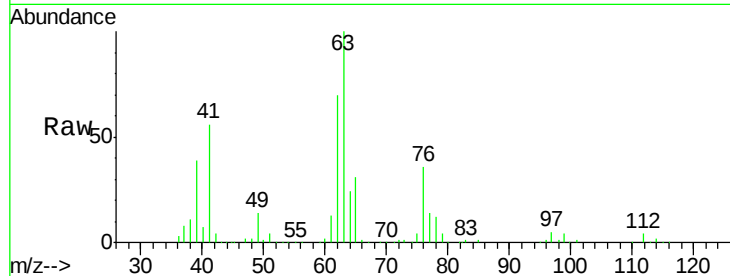
#45
 1,2-Dichloropropane
 Concen: 48.146 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 109096
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.7 38.5

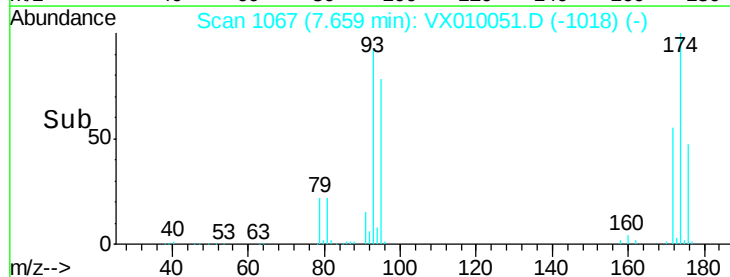
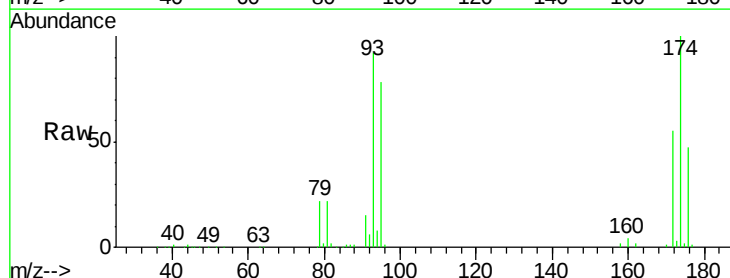
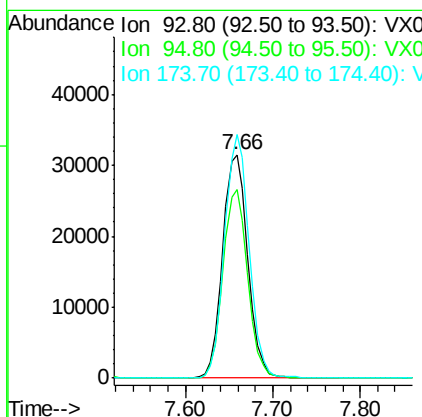
Manual Integrations
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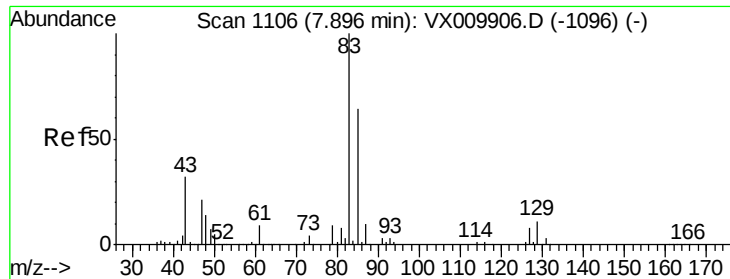
MMDadoda
 6/5/2019 9:26:26 AM



#46
 Dibromomethane
 Concen: 47.032 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Tgt Ion: 93 Resp: 62731
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.8 100.2
 174 106.6 81.9 122.9





#47

Bromodichloromethane

Concen: 51.076 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

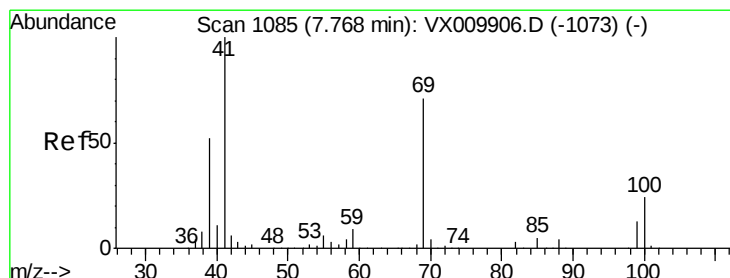
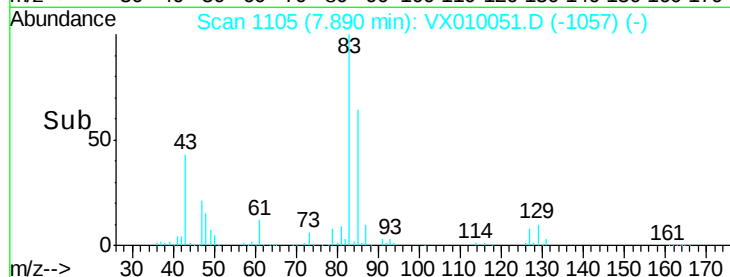
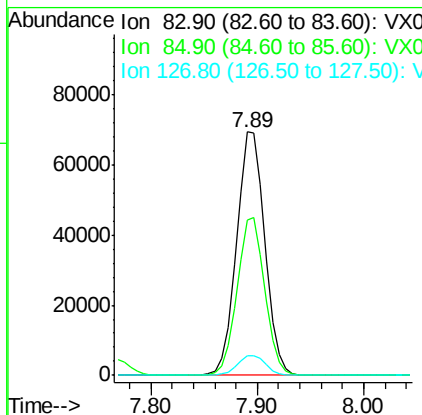
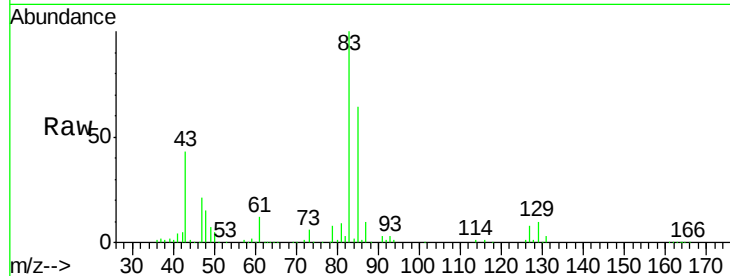
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	129546
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.4	77.2
127	8.1	6.4	9.6

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#48

Methyl methacrylate

Concen: 48.585 ug/l

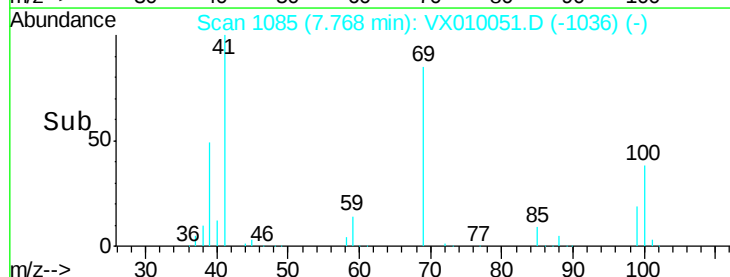
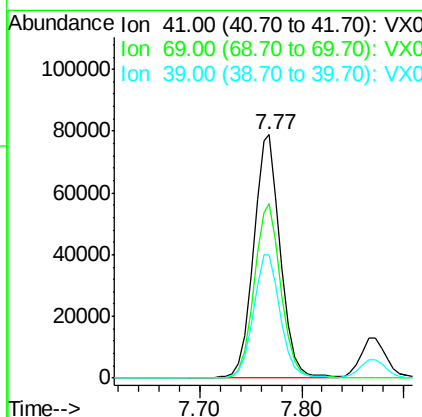
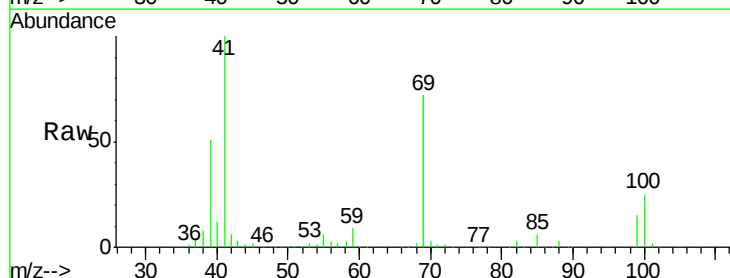
RT: 7.77 min Scan# 1085

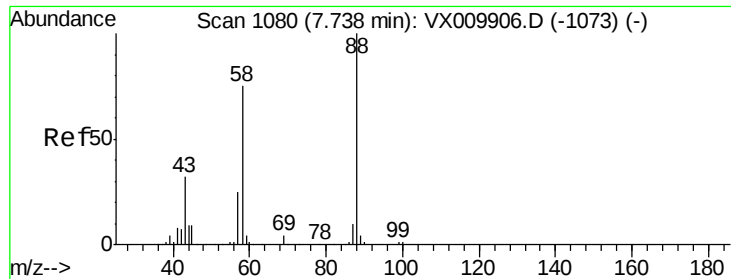
Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tgt Ion:	41	Resp:	143485
Ion Ratio	Lower	Upper	
41	100		
69	71.8	56.4	84.6
39	51.3	40.6	60.8





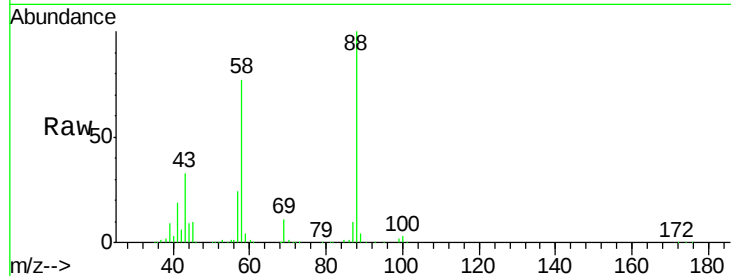
#49
1,4-Dioxane
Concen: 939.345 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

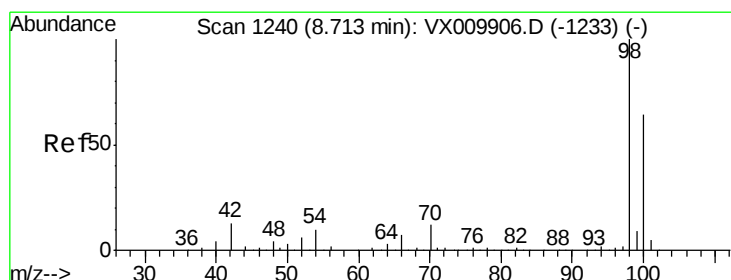
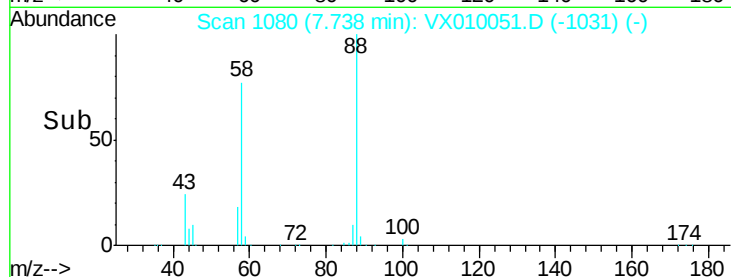
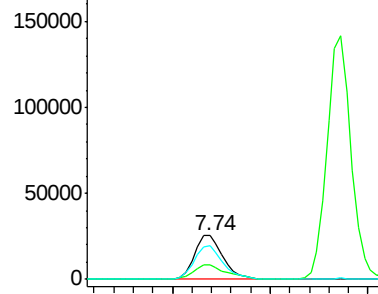
Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.2	45.4
58	78.9	64.0	96.0

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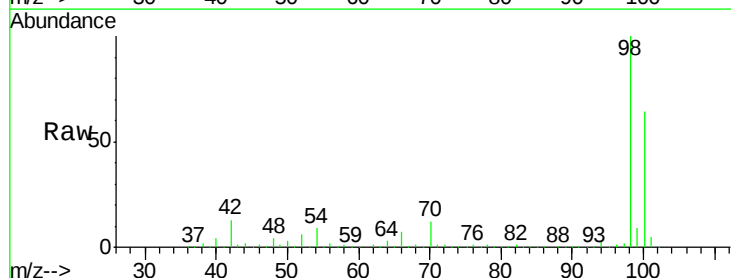


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

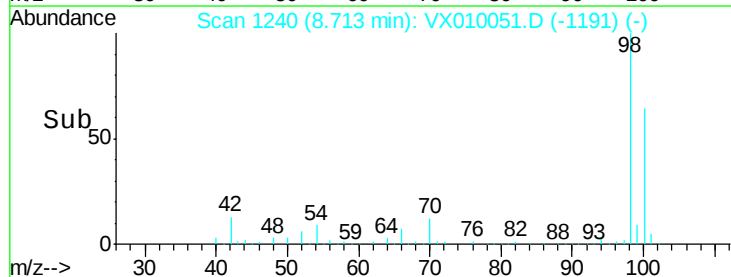
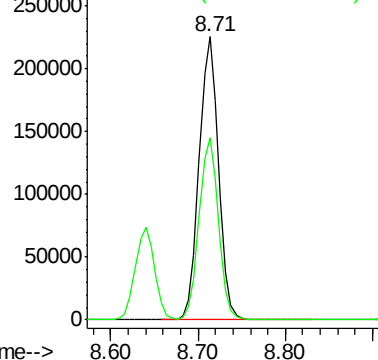


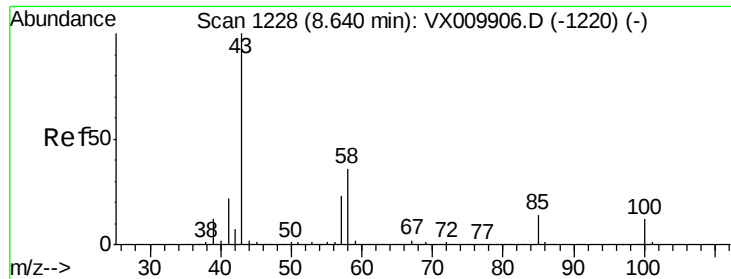
#50
Toluene-d8
Concen: 51.796 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3



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





#51

4-Methyl-2-Pentanone

Concen: 239.084 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 927847

Ion Ratio Lower Upper

43 100

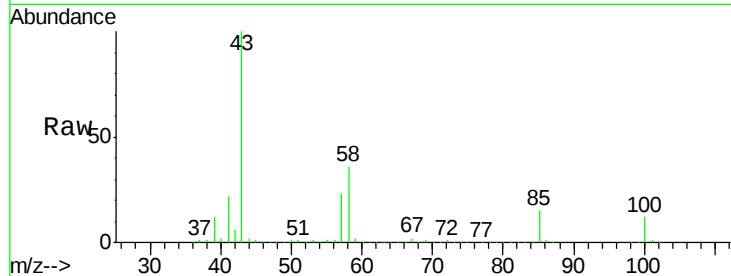
58 36.1 28.8 43.2

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

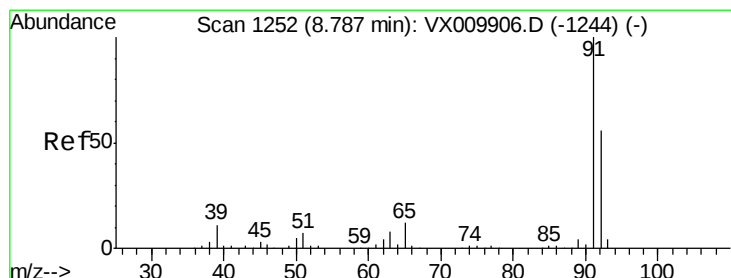
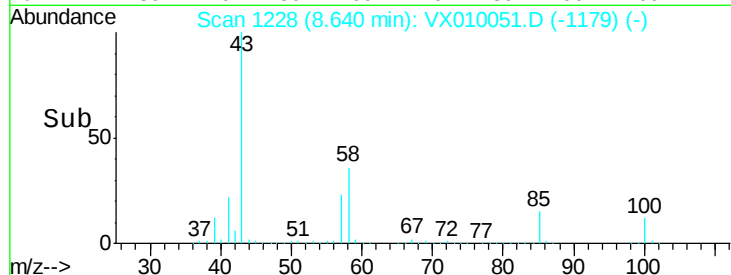
400000

200000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 49.605 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010051.D

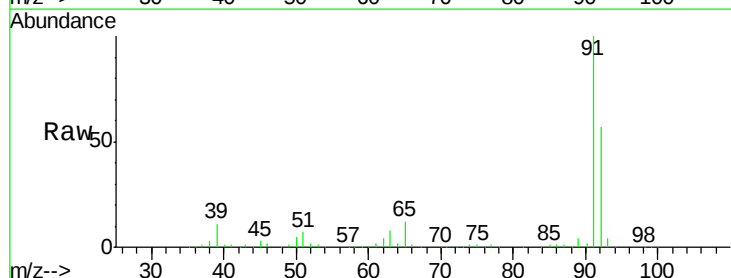
Acq: 04 Jun 2019 10:25

Tgt Ion: 92 Resp: 237079

Ion Ratio Lower Upper

92 100

91 174.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

150000

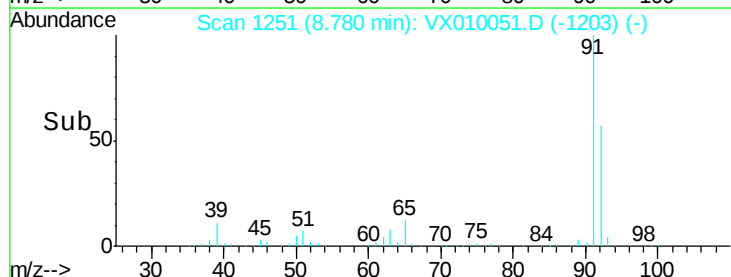
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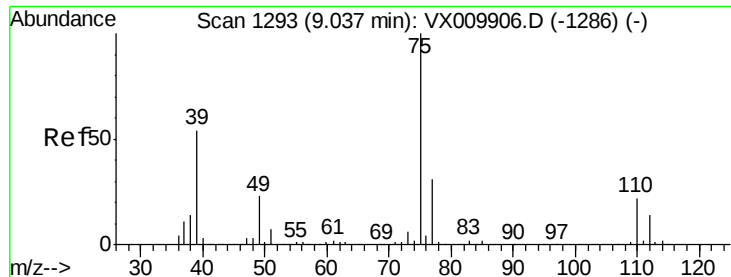
50000

0

8.70 8.75 8.80 8.85

Time-->





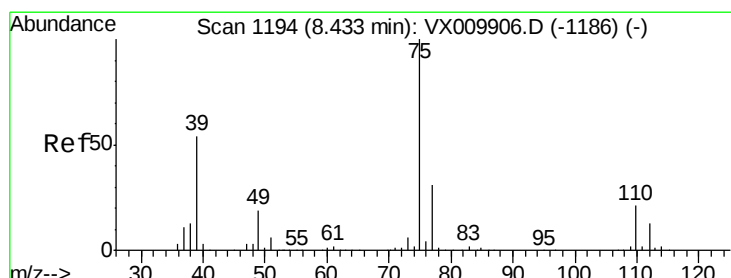
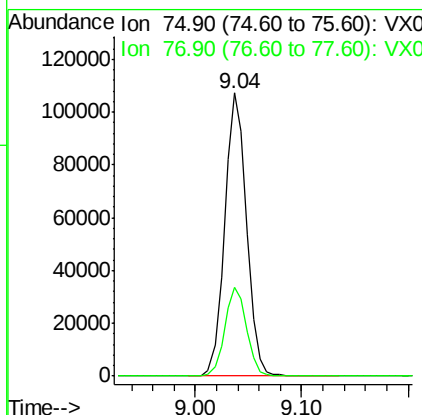
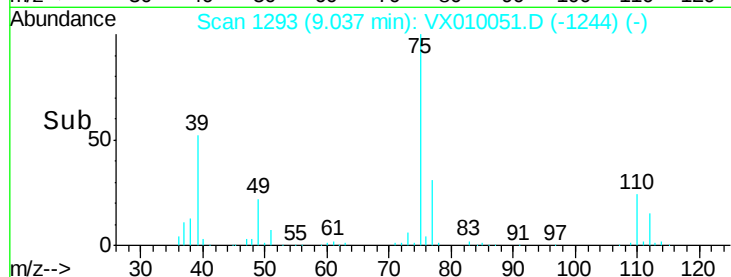
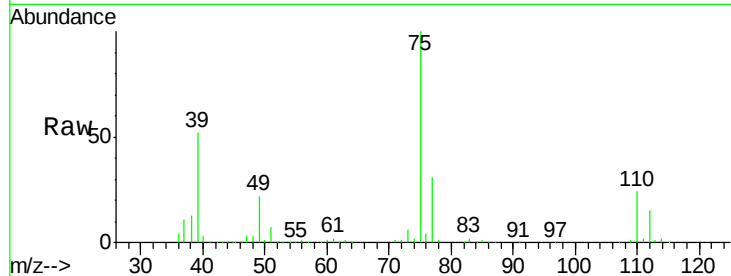
#53
t-1,3-Dichloropropene
Concen: 50.587 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 153880
Ion Ratio Lower Upper
75 100
77 31.3 24.6 36.8

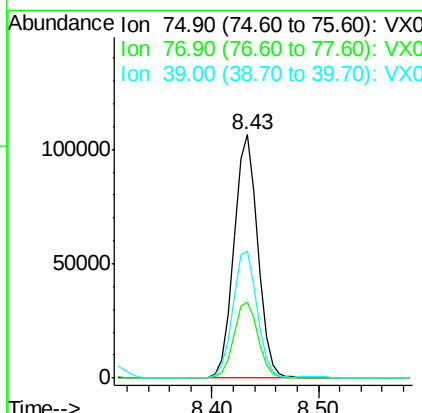
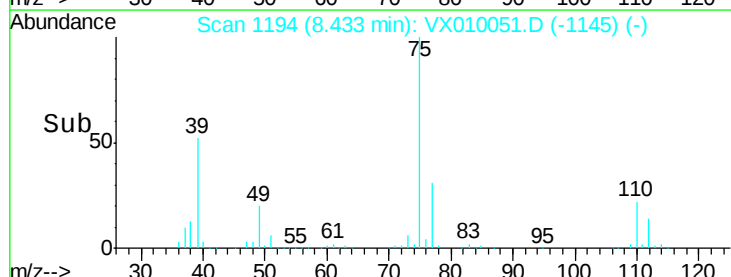
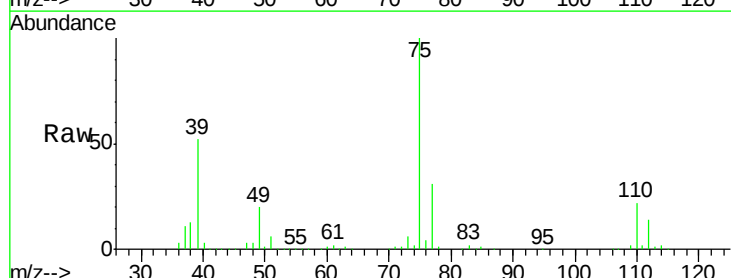
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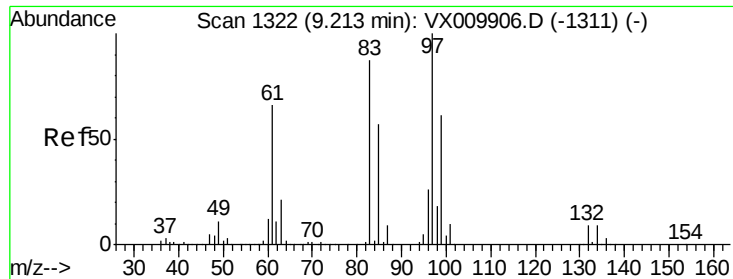
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#54
cis-1,3-Dichloropropene
Concen: 50.536 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion: 75 Resp: 167489
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 52.1 43.4 65.0





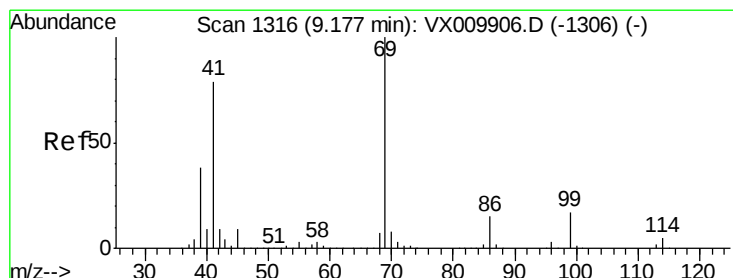
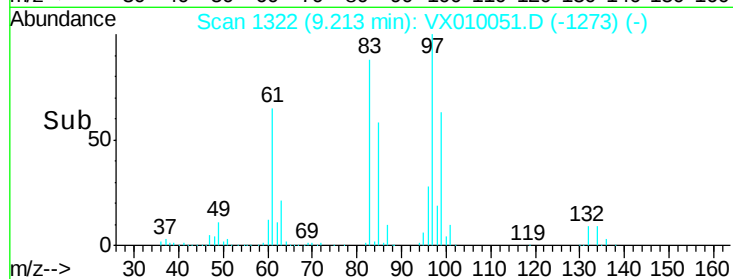
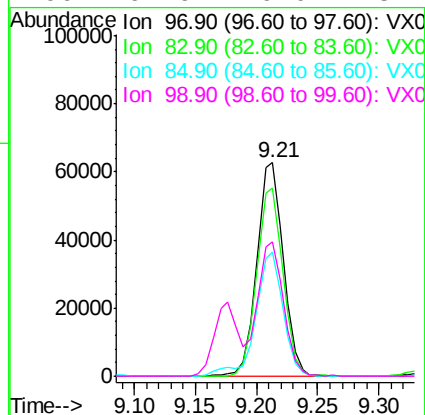
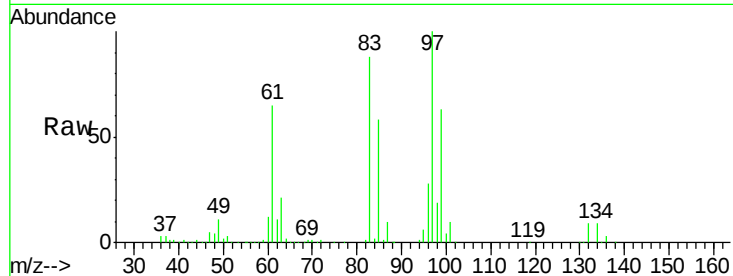
#55
1,1,2-Trichloroethane
Concen: 49.352 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	94933
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.8	104.8
85	58.3	45.3	67.9
99	62.6	49.0	73.4

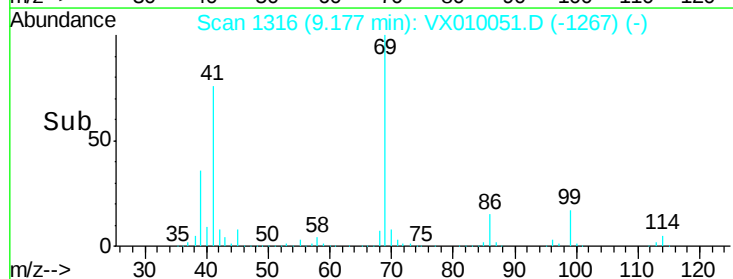
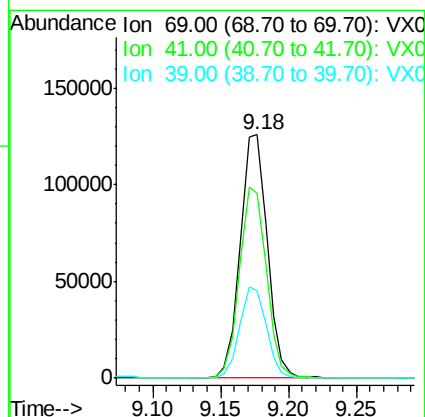
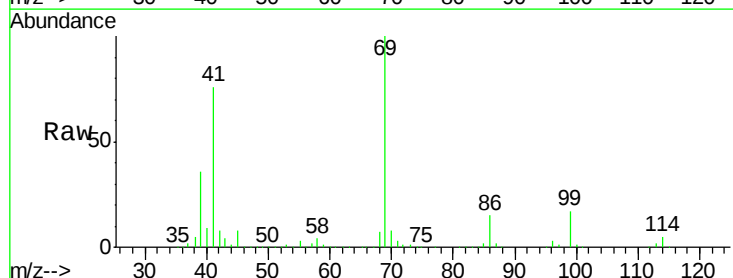
Manual Integrations
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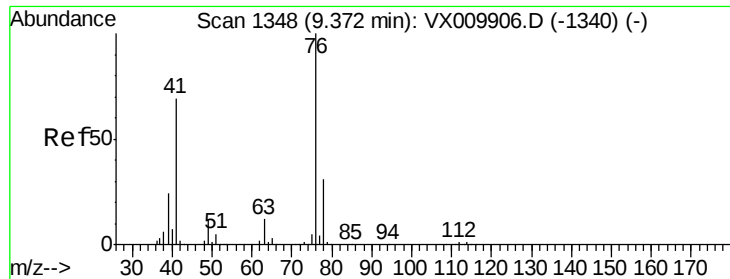
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6/5/2019 9:26:26 AM



#56
Ethyl methacrylate
Concen: 51.211 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion:	69	Resp:	175377
Ion	Ratio	Lower	Upper
69	100		
41	78.1	62.7	94.1
39	37.2	29.5	44.3





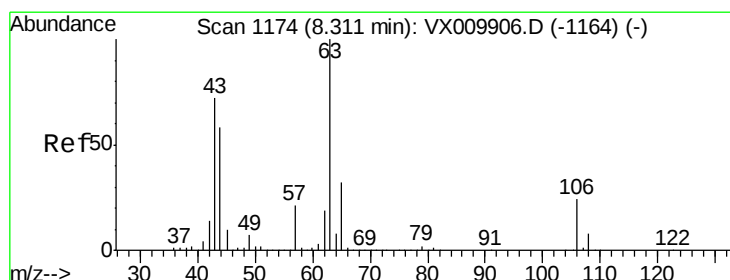
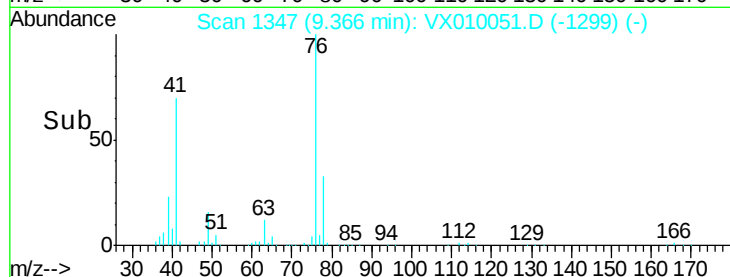
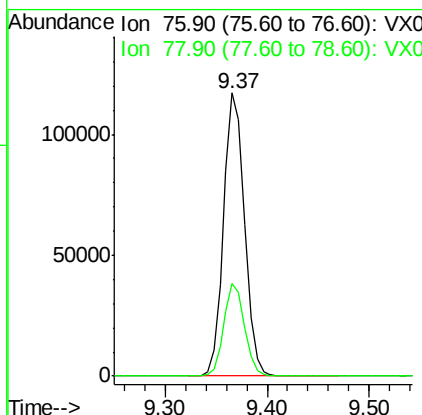
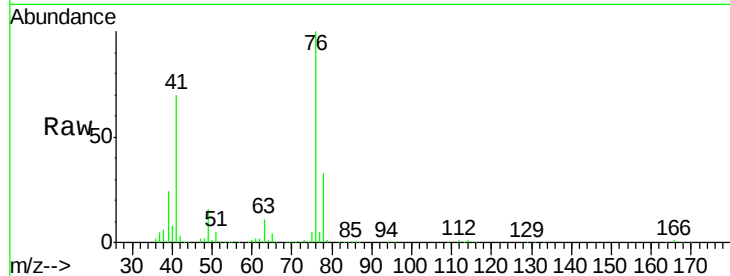
#57
 1,3-Dichloropropane
 Concen: 48.422 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.0

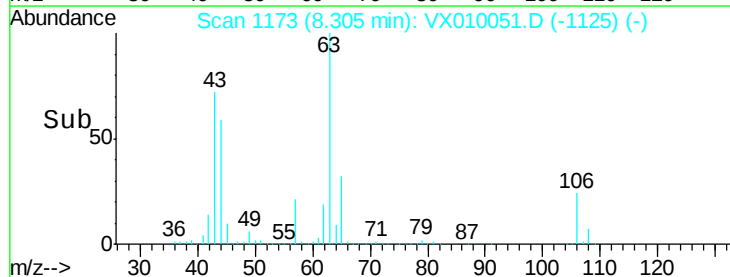
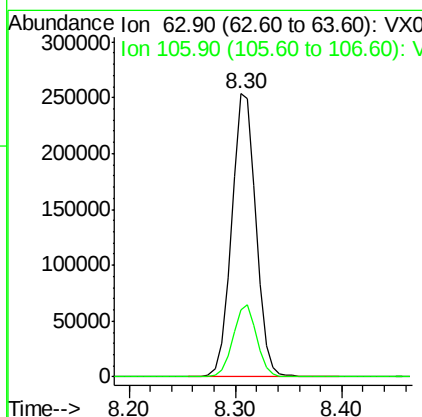
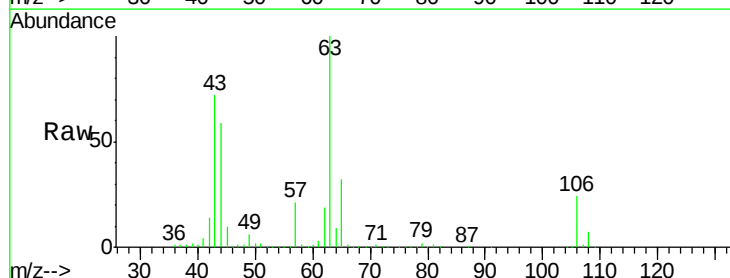
Manual Integrations
 APPROVED

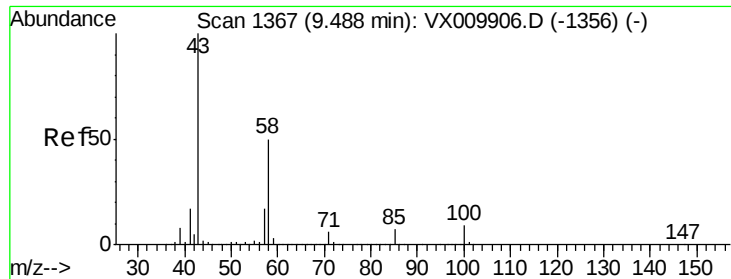
MMDadoda
 6/5/2019 9:26:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.883 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.4	29.2





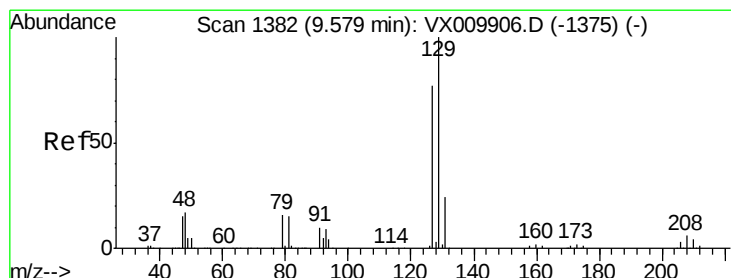
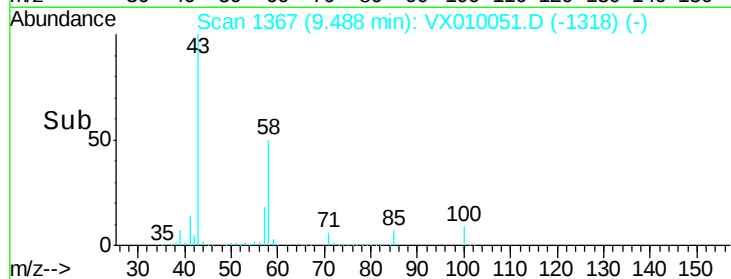
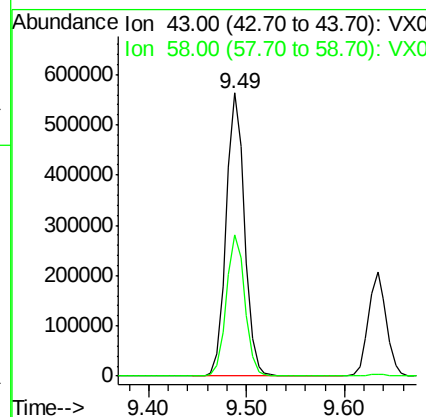
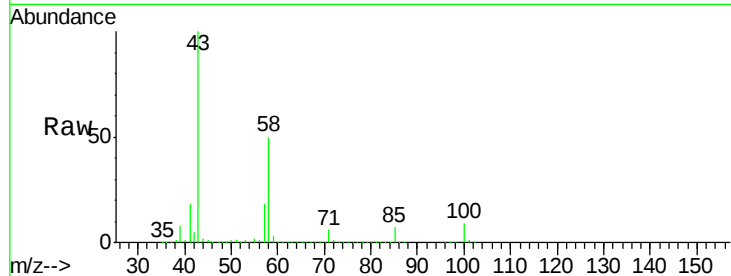
#59
2-Hexanone
Concen: 245.393 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 733204
Ion Ratio Lower Upper
43 100
58 50.5 25.1 75.3

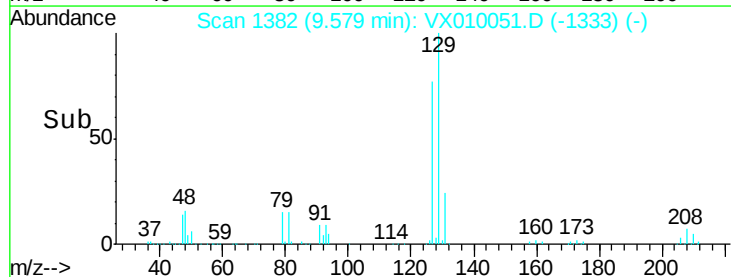
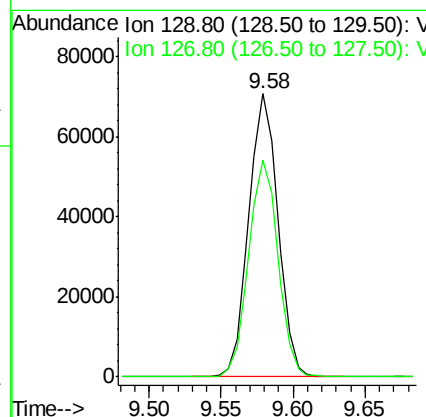
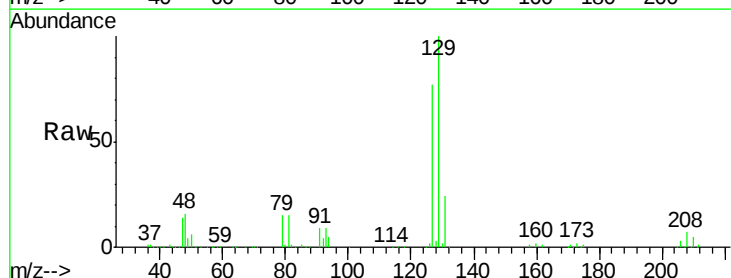
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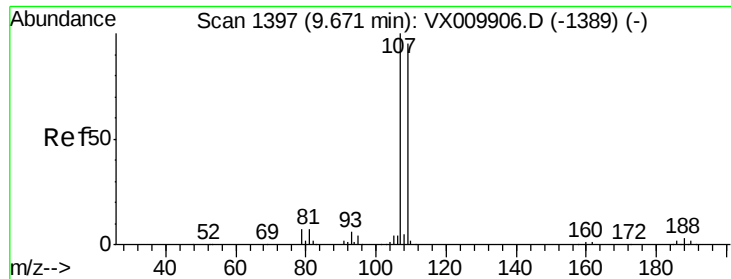
MMDadoda
6/5/2019 9:26:26 AM



#60
Dibromochloromethane
Concen: 52.535 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion: 129 Resp: 99409
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.055 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 98920

Ion Ratio Lower Upper

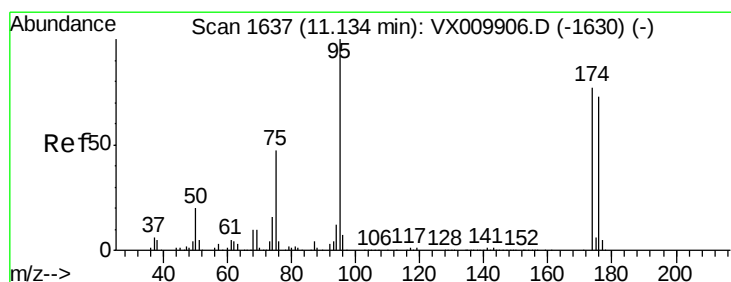
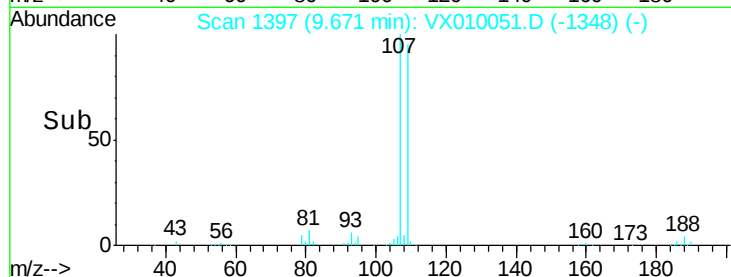
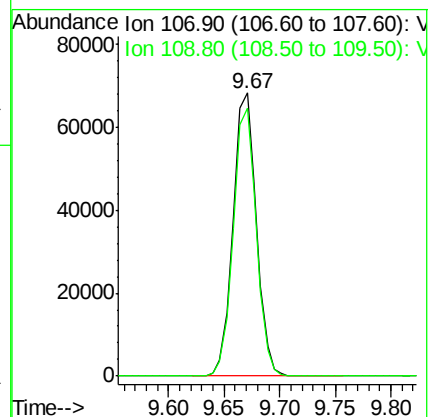
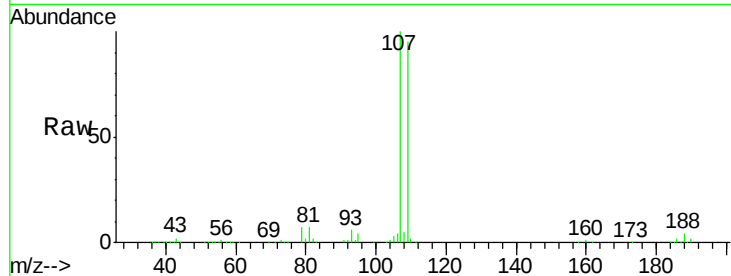
107 100

109 93.9 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 53.716 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

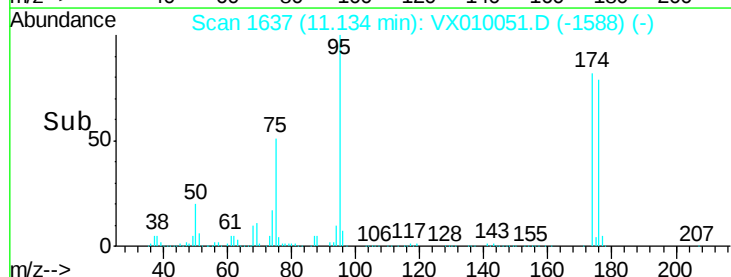
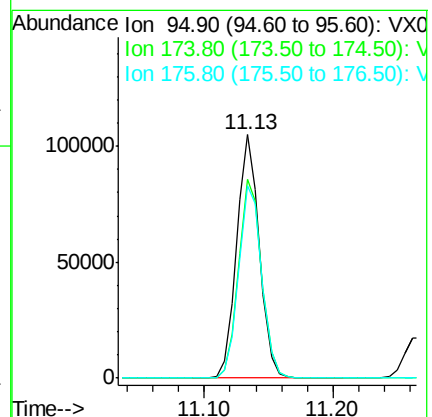
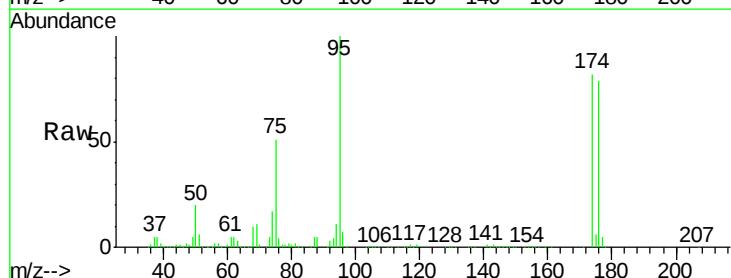
Tgt Ion: 95 Resp: 128823

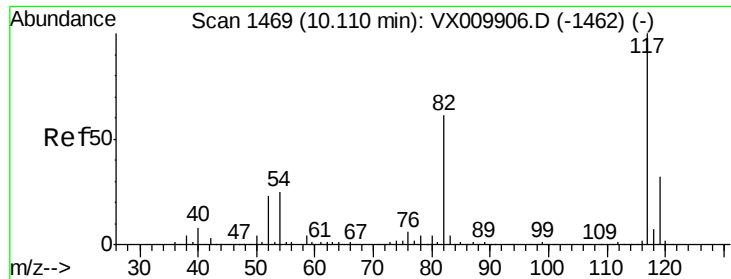
Ion Ratio Lower Upper

95 100

174 83.2 0.0 160.4

176 80.9 0.0 154.6





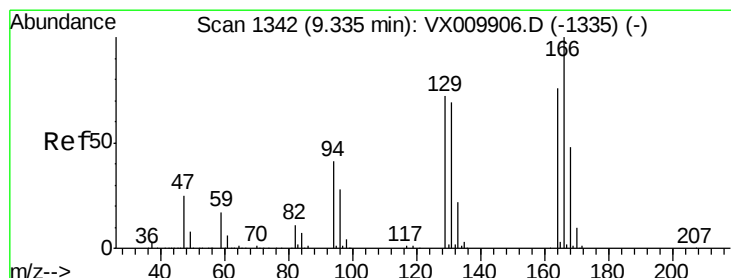
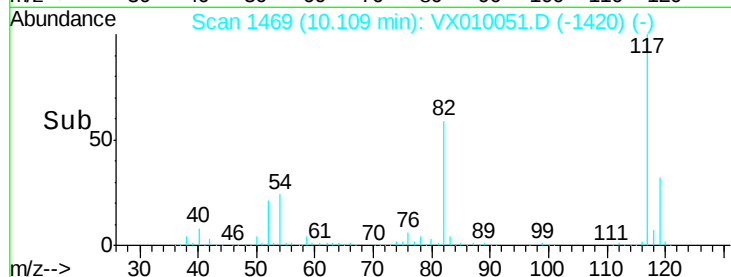
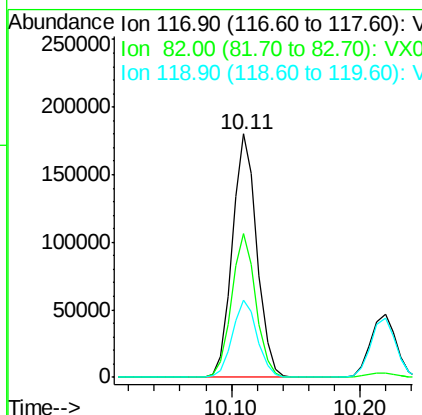
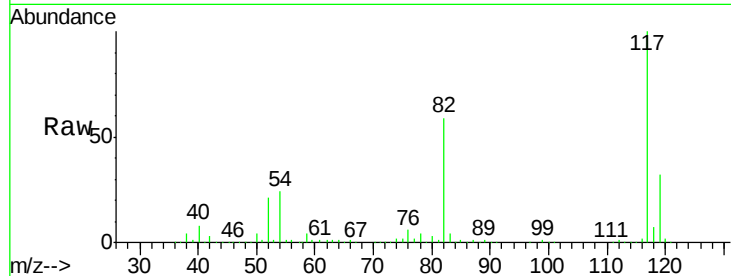
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	49.2	73.8
119	31.6	25.2	37.8

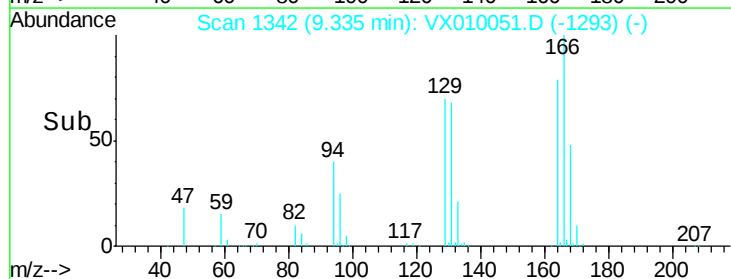
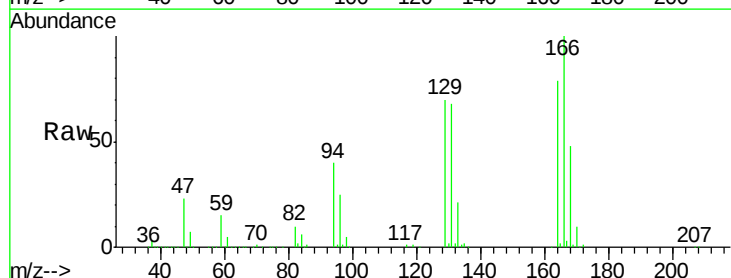
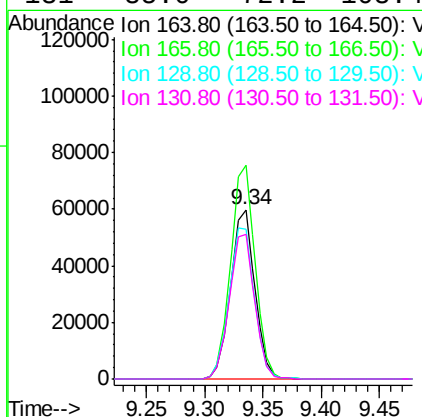
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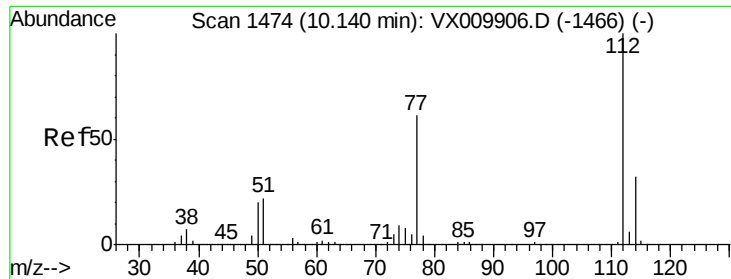
MMDadoda
6/5/2019 9:26:26 AM



#64
Tetrachloroethene
Concen: 52.231 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	105.0	157.4
129	88.1	75.1	112.7
131	85.0	72.2	108.4





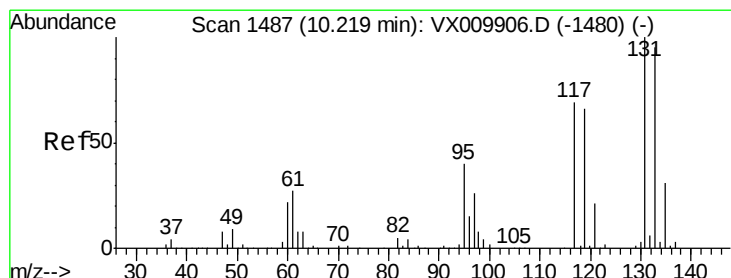
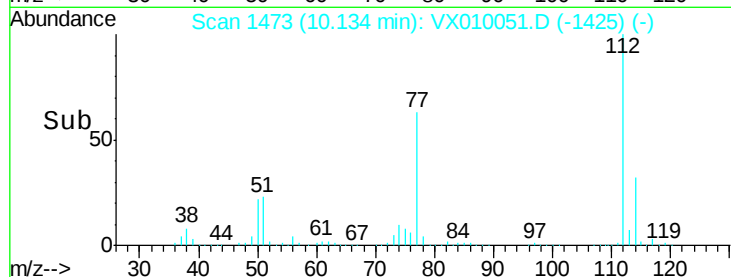
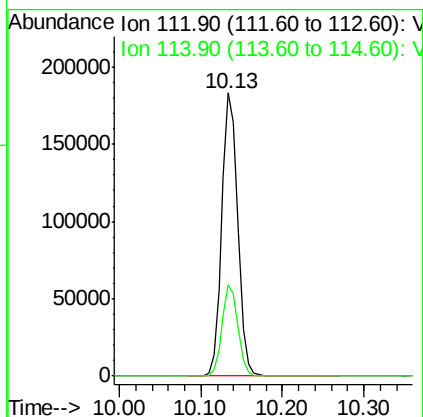
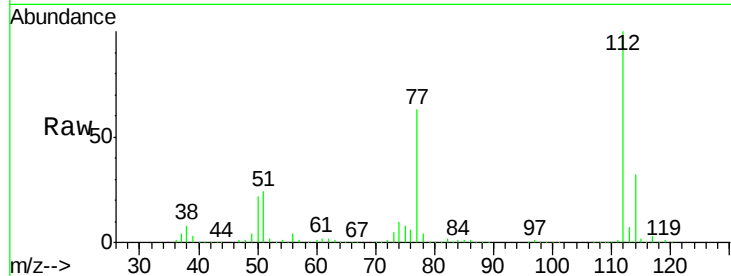
#65
Chlorobenzene
Concen: 49.957 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 250556
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8

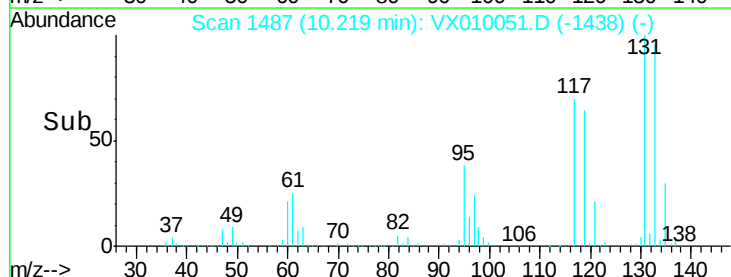
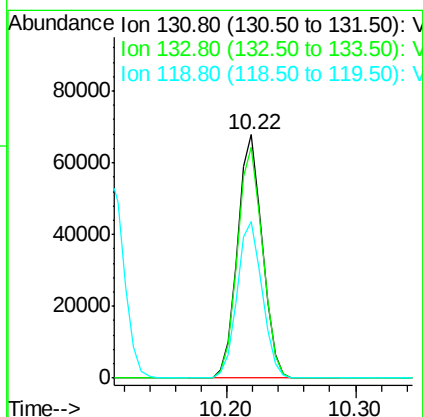
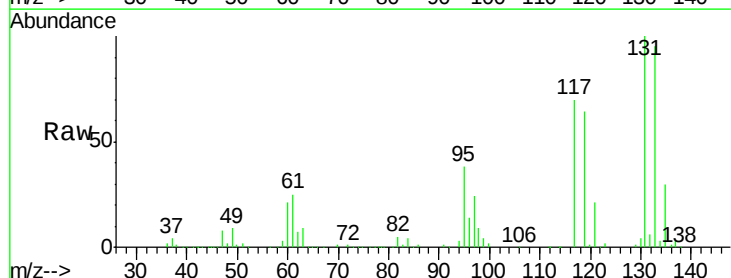
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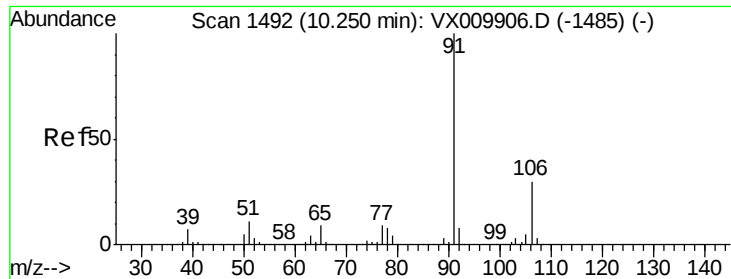
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.180 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion:131 Resp: 90771
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.6
119 65.1 33.4 100.1





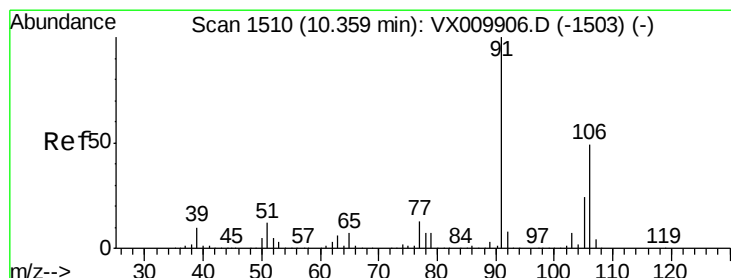
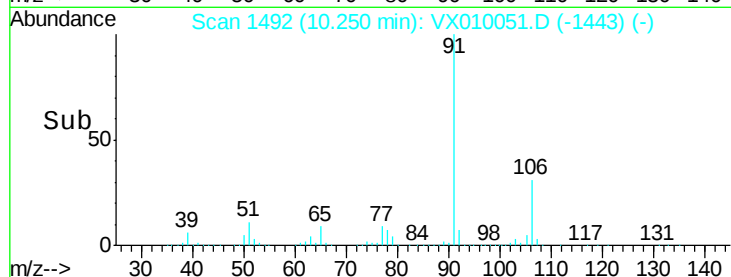
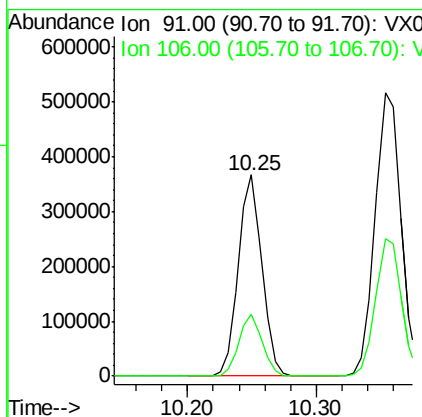
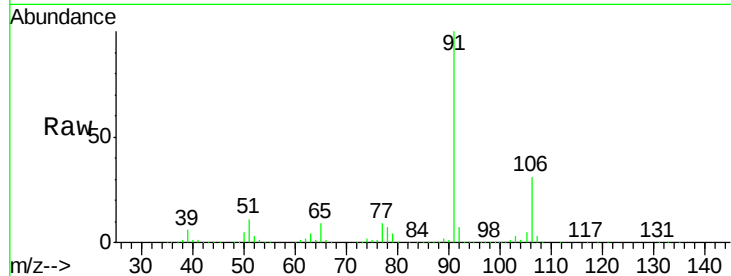
#67
Ethyl Benzene
Concen: 51.901 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 467390
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9

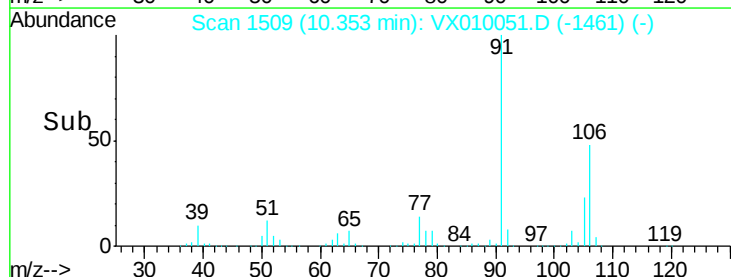
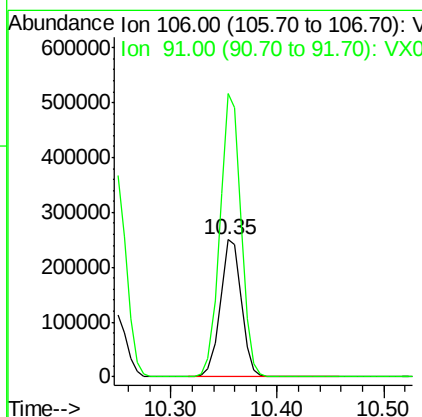
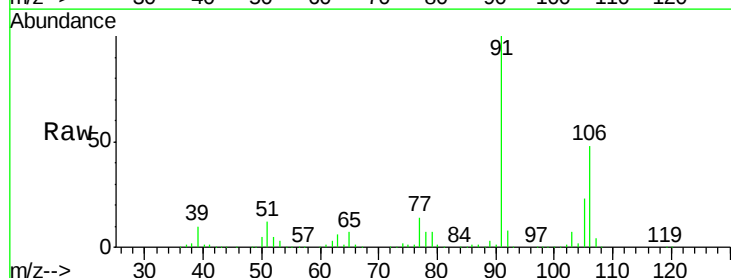
Manual Integrations
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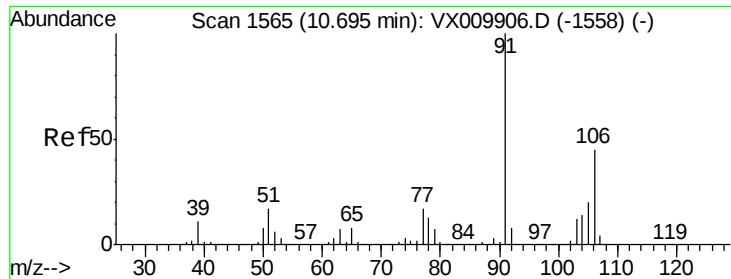
MMDadoda
6/5/2019 9:26:26 AM



#68
m/p-Xylenes
Concen: 103.975 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion: 106 Resp: 345913
Ion Ratio Lower Upper
106 100
91 205.8 167.3 250.9





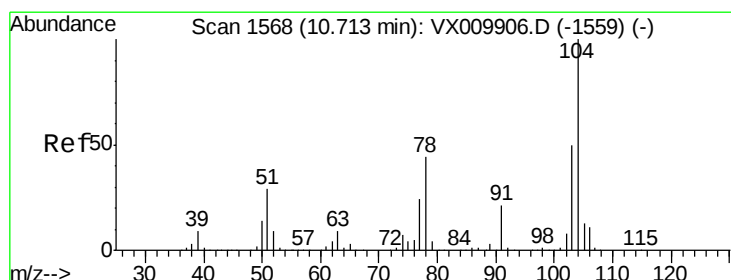
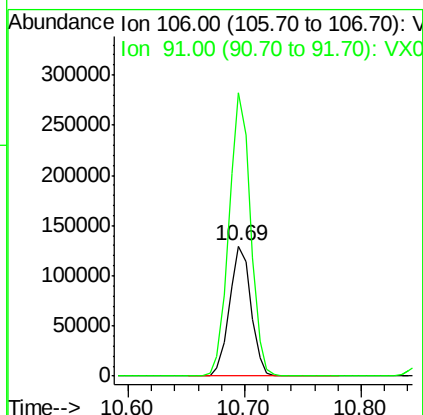
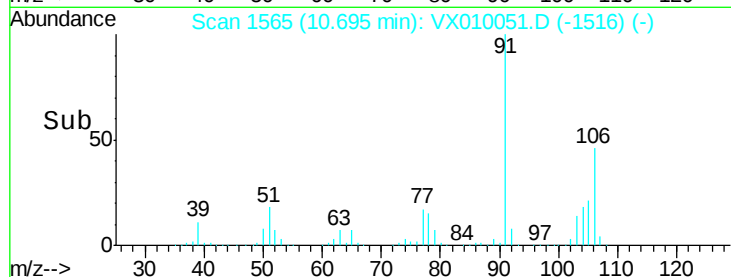
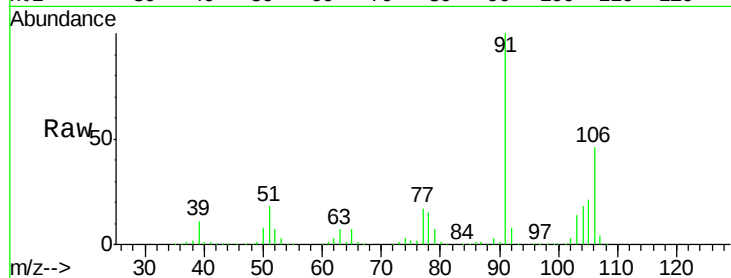
#69
o-Xylene
Concen: 52.233 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		166656		
91	217.5	110.4	331.2		

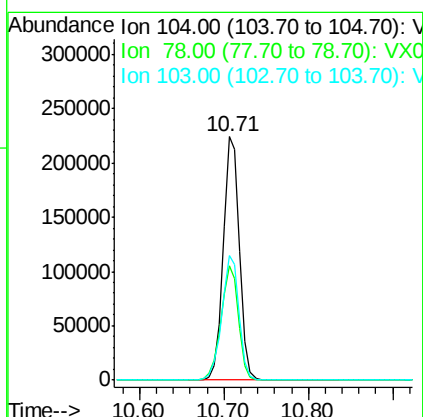
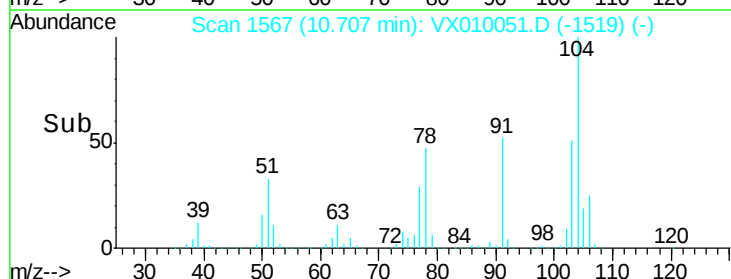
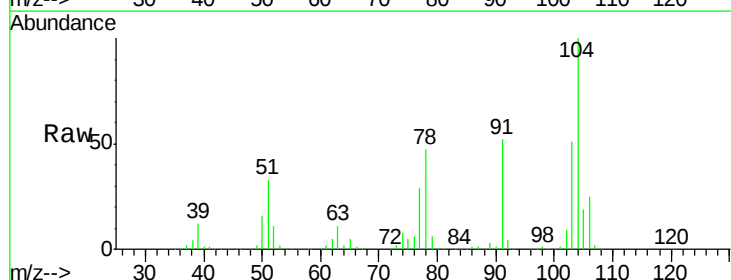
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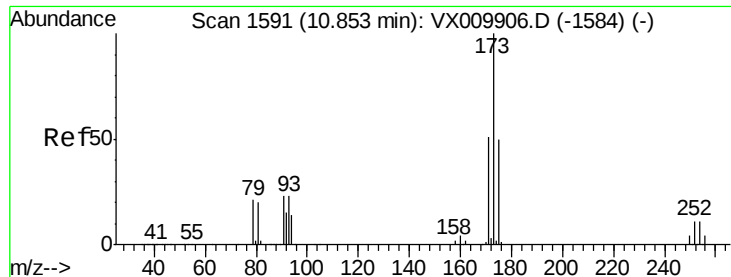
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#70
Styrene
Concen: 53.215 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		297727		
78	51.0	42.1	63.1		
103	54.7	44.1	66.1		





#71

Bromoform

Concen: 54.948 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 78133

Ion Ratio Lower Upper

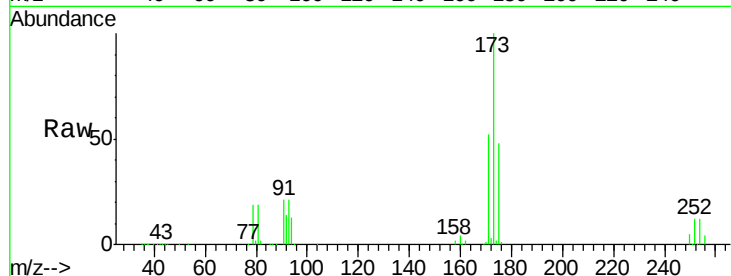
173 100

175 47.9 25.0 75.0

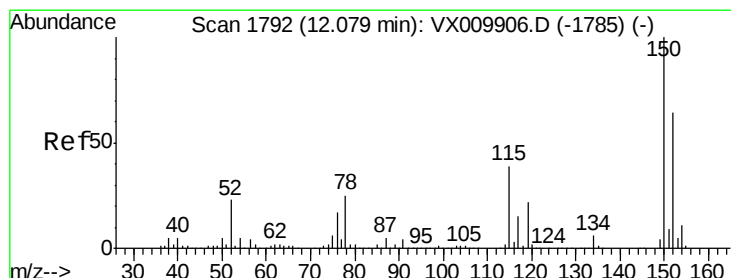
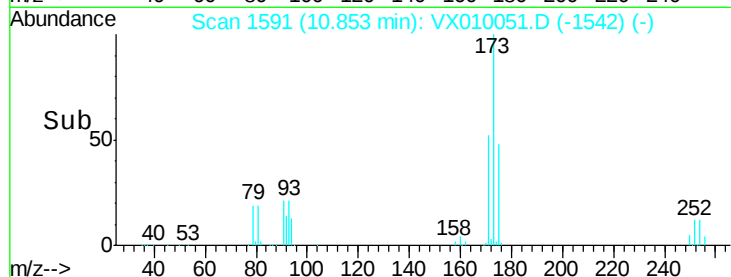
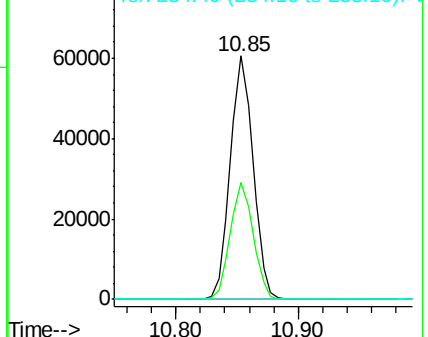
254 0.1 0.2 0.2#

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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: VX010051.D

Acq: 04 Jun 2019 10:25

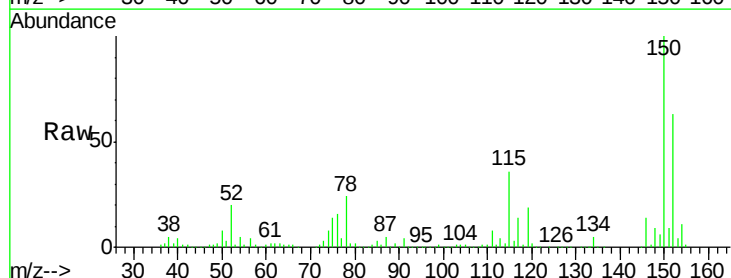
Tgt Ion:152 Resp: 123003

Ion Ratio Lower Upper

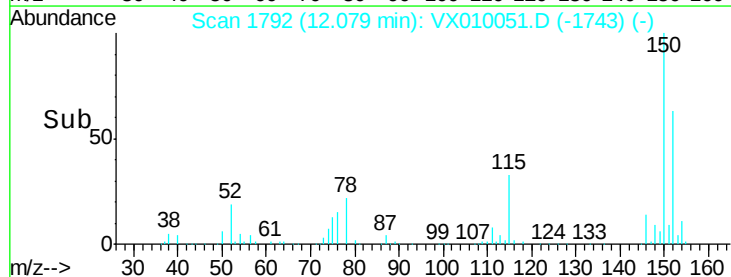
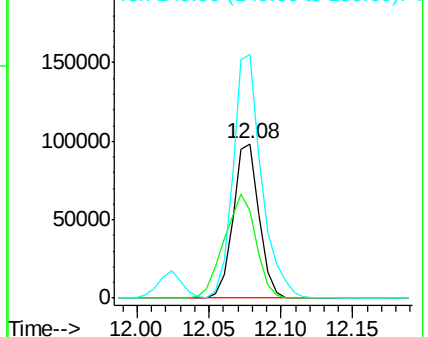
152 100

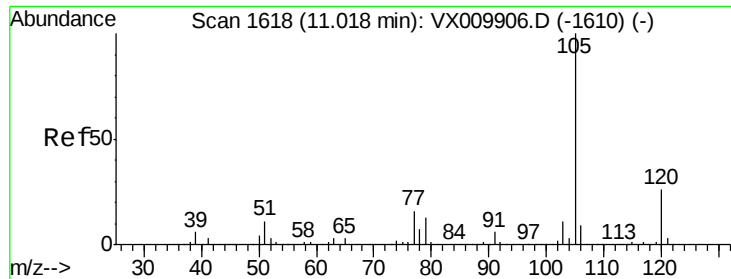
115 82.9 41.4 124.2

150 174.6 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: 49.909 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 452944

Ion Ratio Lower Upper

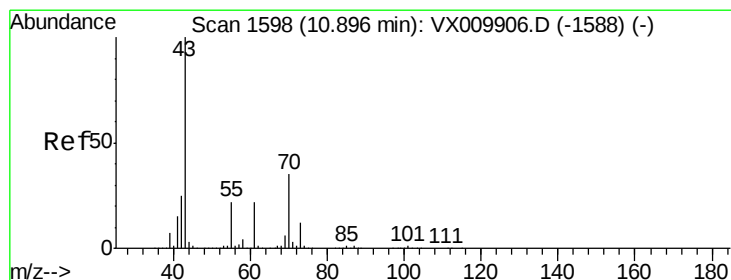
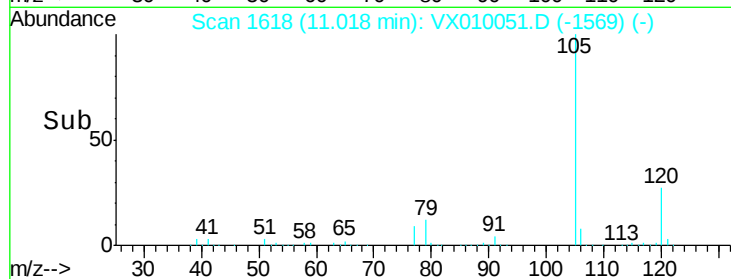
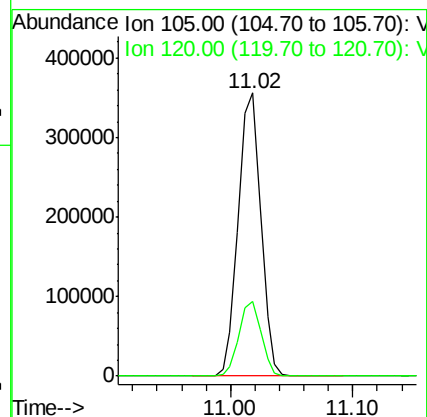
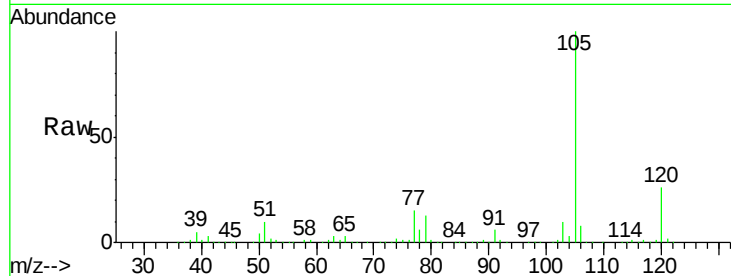
105 100

120 26.1 12.8 38.4

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#74

N-ethyl acetate

Concen: 47.705 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tgt Ion: 43 Resp: 258707

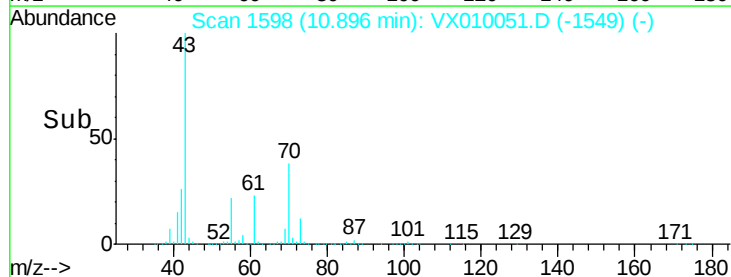
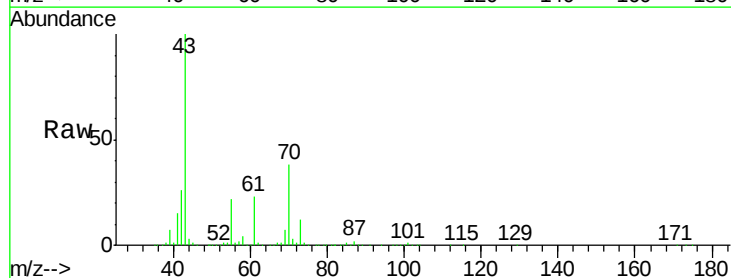
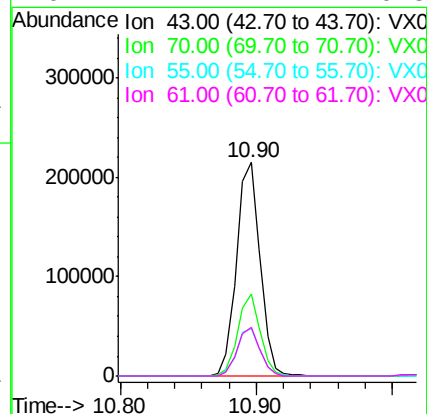
Ion Ratio Lower Upper

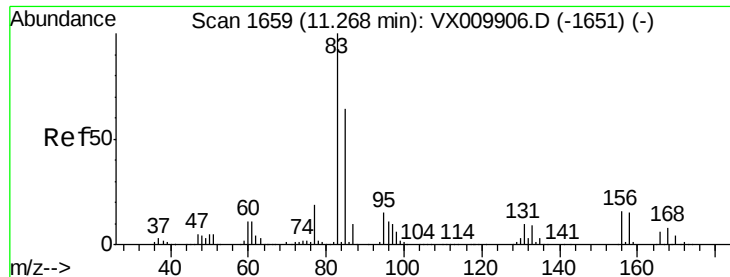
43 100

70 36.7 28.6 43.0

55 22.2 17.8 26.8

61 22.1 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.310 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

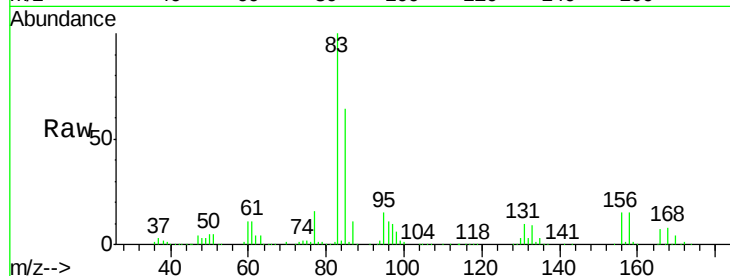
ClientSampled :

VSTDCCC050

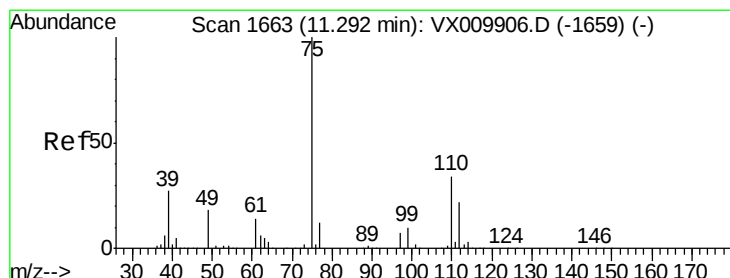
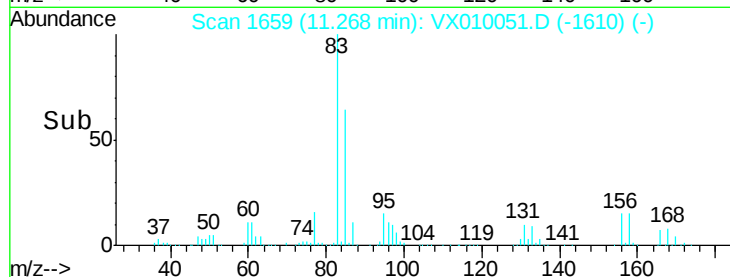
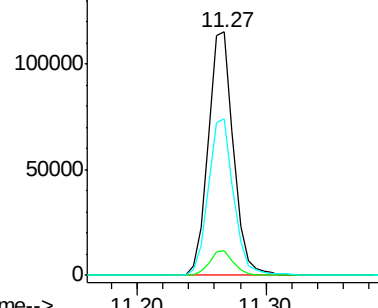
Tot Ion:	83	Resp:	156796
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.1
85	64.4	31.9	95.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 48.382 ug/l m

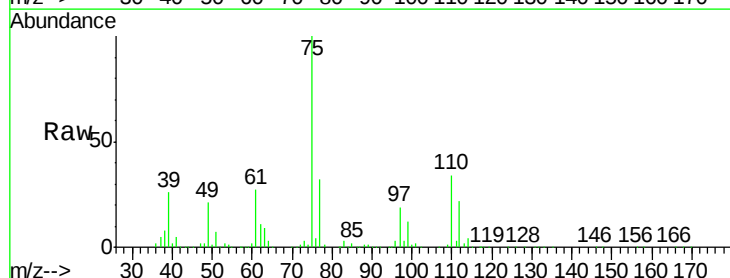
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

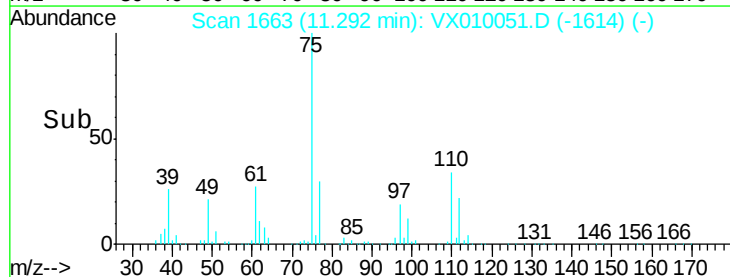
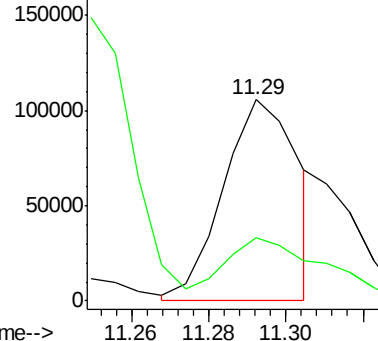
Lab File: VX010051.D

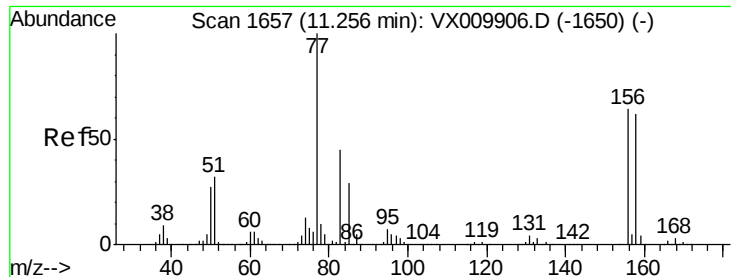
Acq: 04 Jun 2019 10:25

Tgt Ion:	75	Resp:	142311
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.925 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

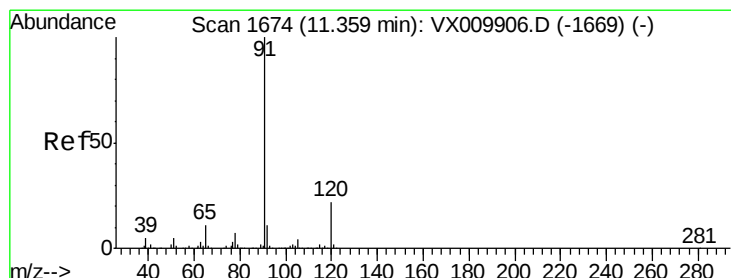
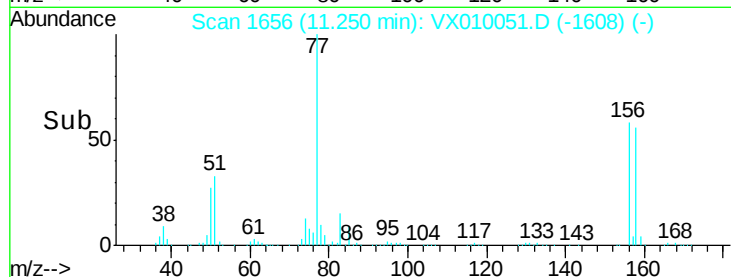
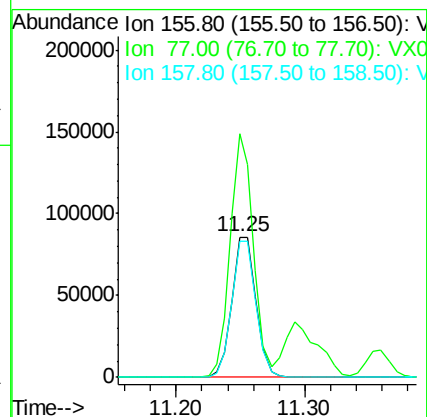
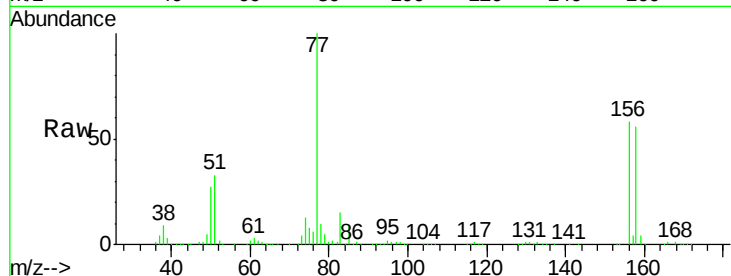
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	113155
Ion Ratio	Lower	Upper	
156	100		
77	166.7	86.8	260.3
158	97.6	49.6	148.8

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#78

n-propylbenzene

Concen: 50.969 ug/l

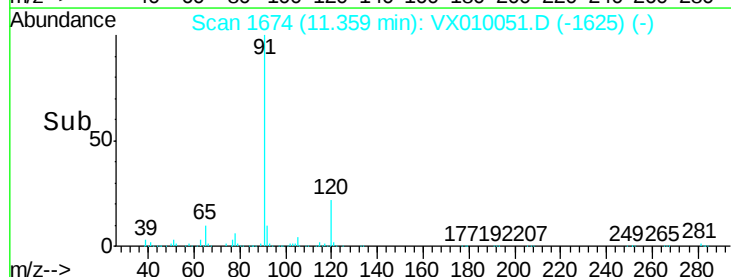
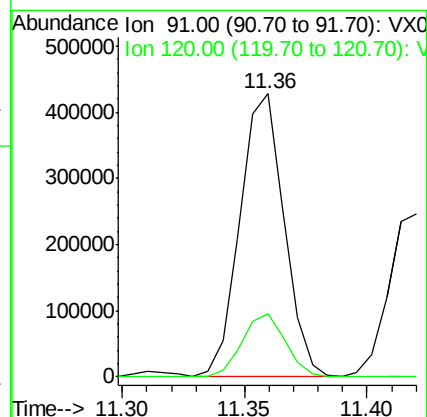
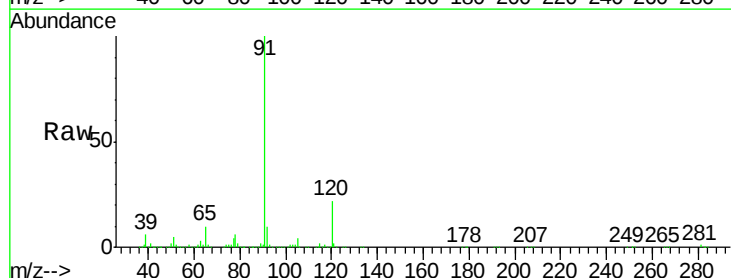
RT: 11.36 min Scan# 1674

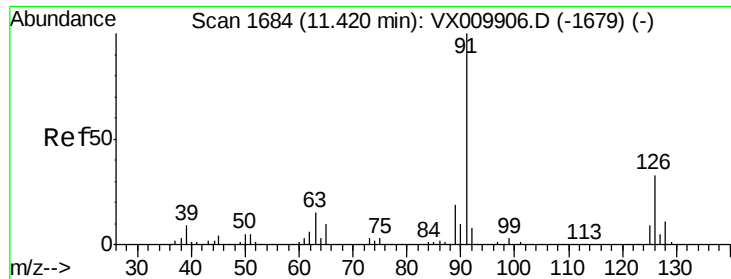
Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Tgt Ion:	91	Resp:	533180
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.3





#79

2-Chlorotoluene

Concen: 49.025 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 313335

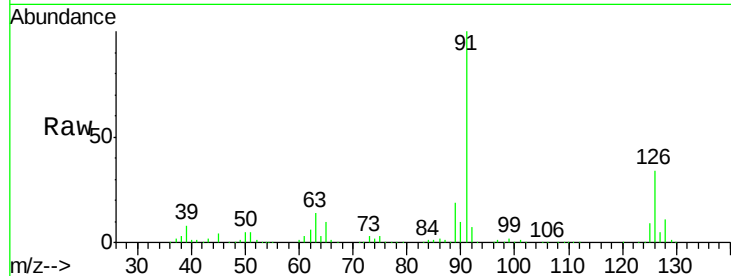
Ion Ratio Lower Upper

91 100

126 32.8 16.1 48.3

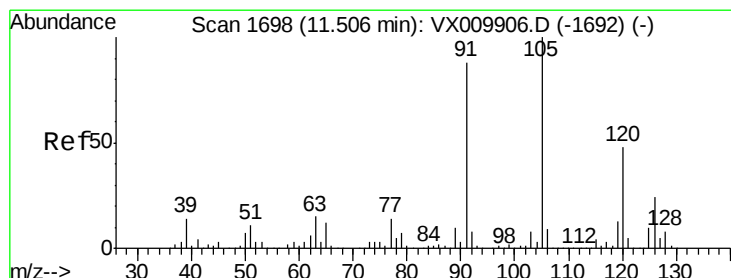
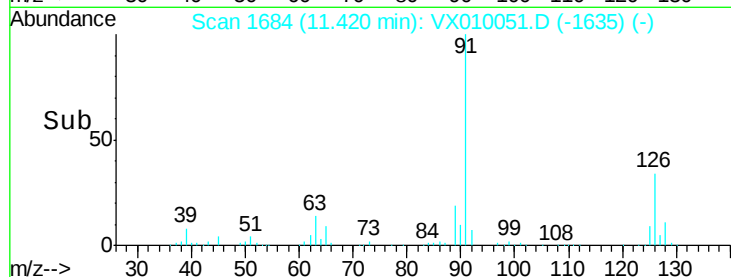
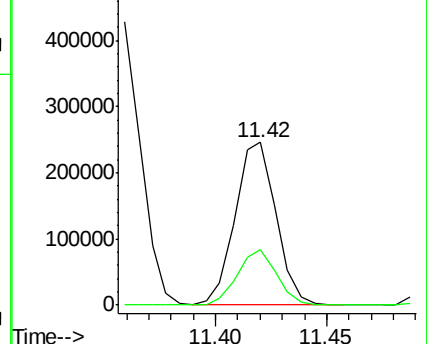
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6/5/2019 9:26:26 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.657 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010051.D

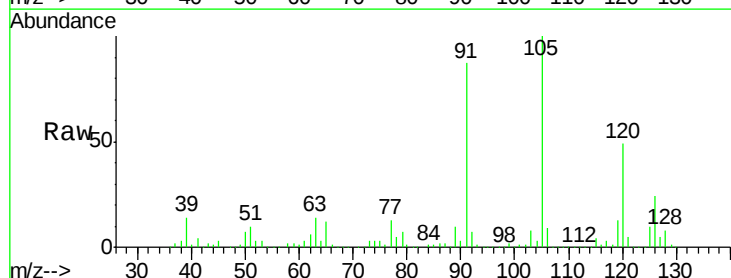
Acq: 04 Jun 2019 10:25

Tgt Ion:105 Resp: 387307

Ion Ratio Lower Upper

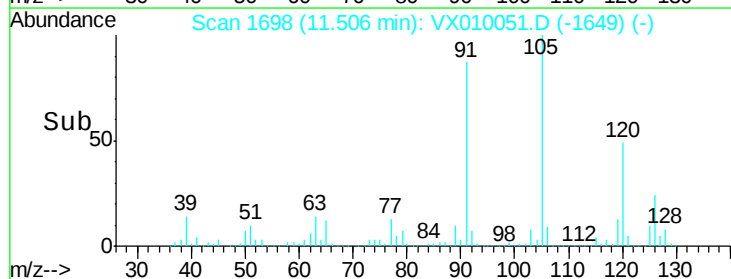
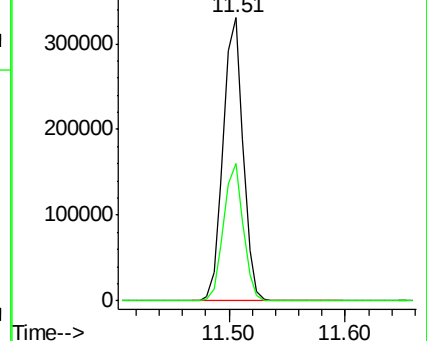
105 100

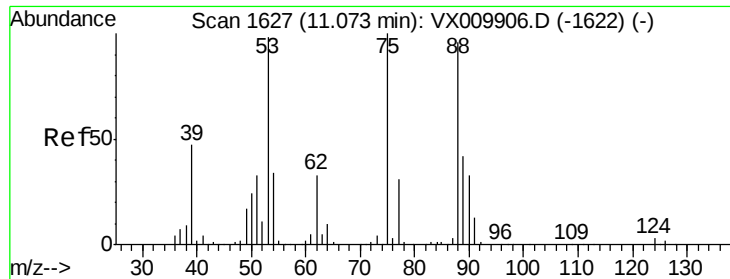
120 48.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





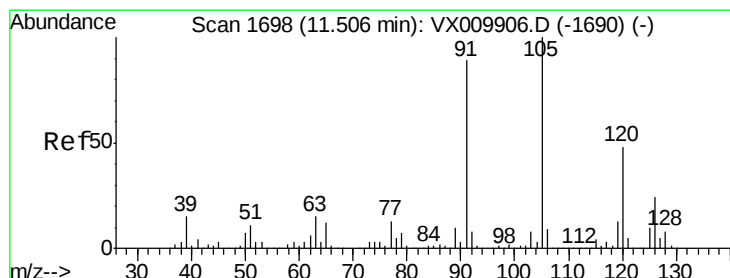
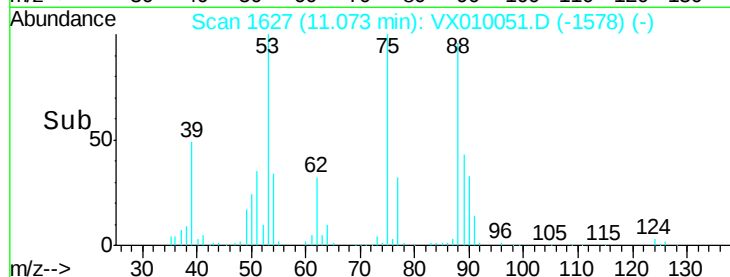
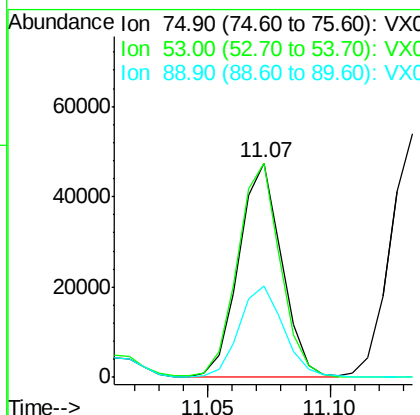
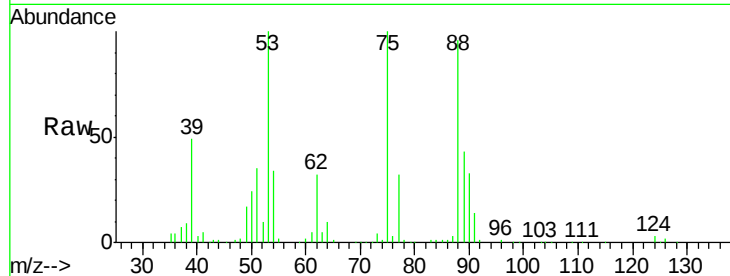
#81
trans-1,4-Dichloro-2-butene
Concen: 47.978 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	79.8	119.6
89	45.1	34.2	51.4

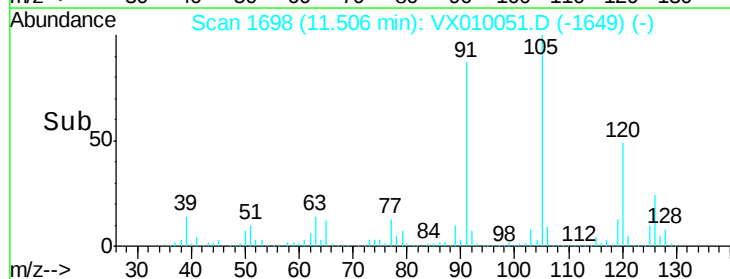
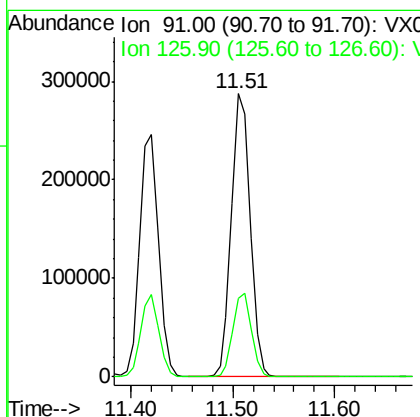
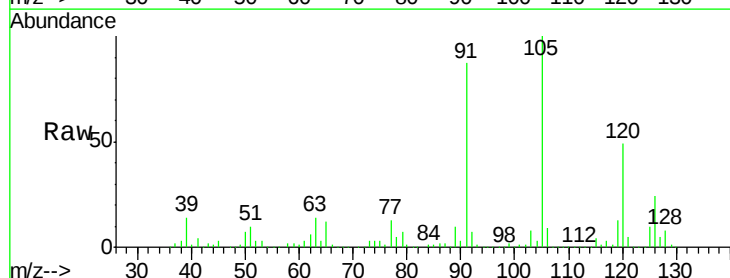
Manual Integrations
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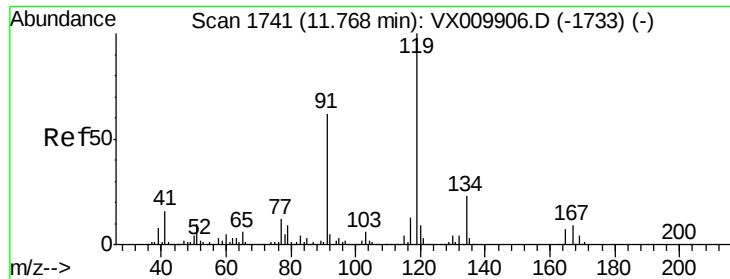
MMDadoda
6/5/2019 9:26:26 AM



#82
4-Chlorotoluene
Concen: 49.197 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.2	42.6





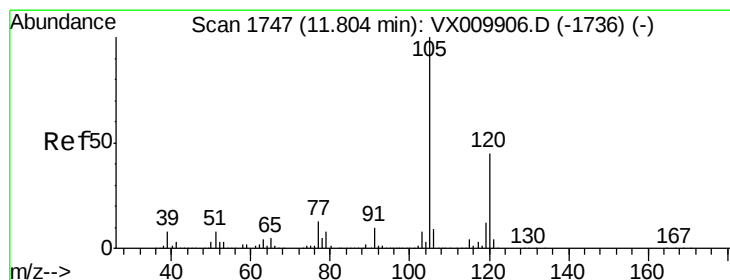
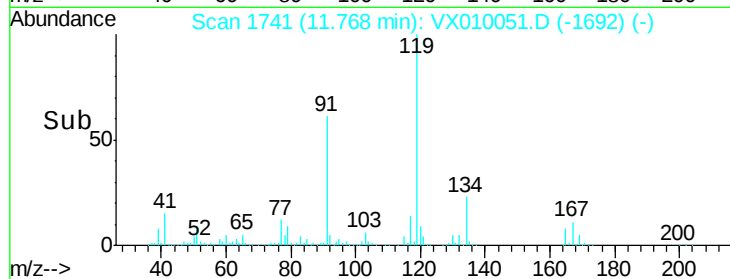
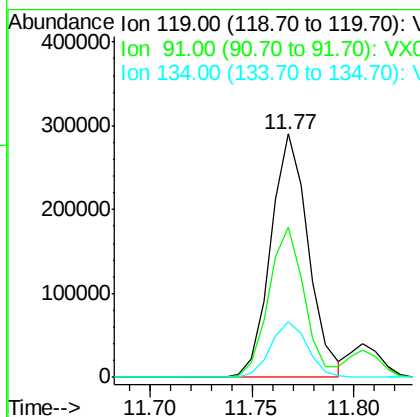
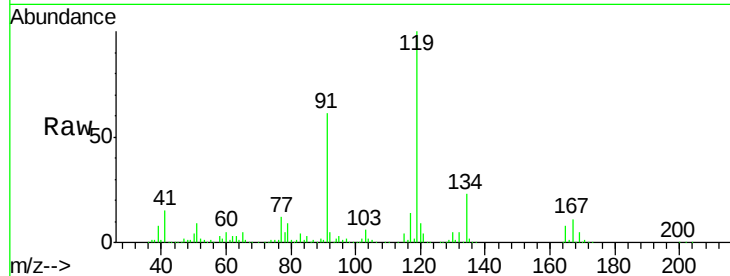
#83
 tert-Butylbenzene
 Concen: 51.058 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	373473		
91	59.0		30.0	90.0
134	22.3		11.2	33.5

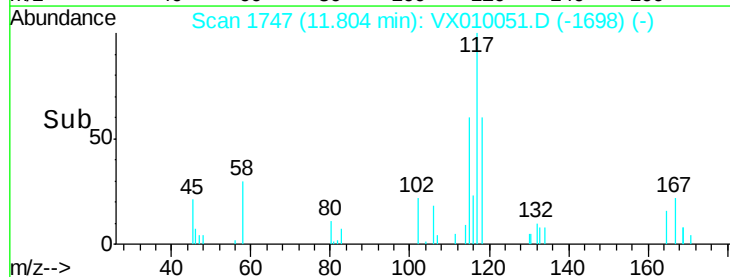
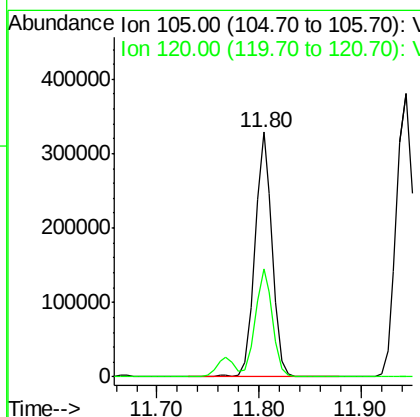
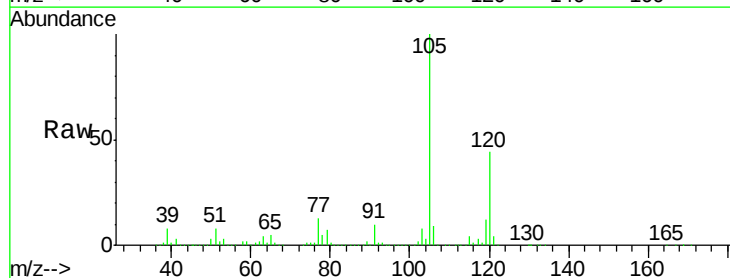
Manual Integrations
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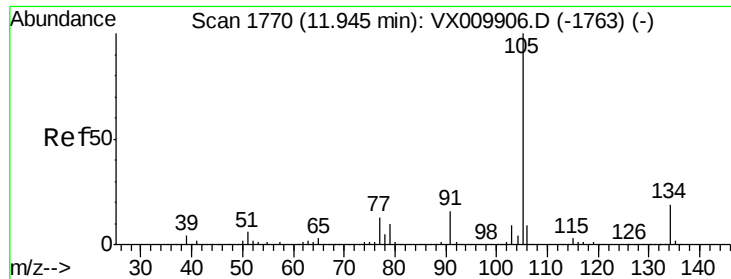
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 6/5/2019 9:26:26 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.028 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	388448		
120	44.5		22.1	66.1





#85

sec-Butylbenzene

Concen: 51.845 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 451160

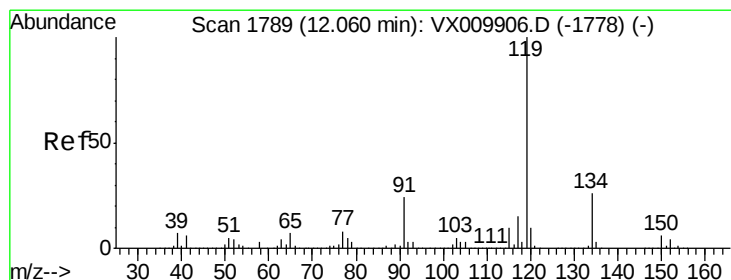
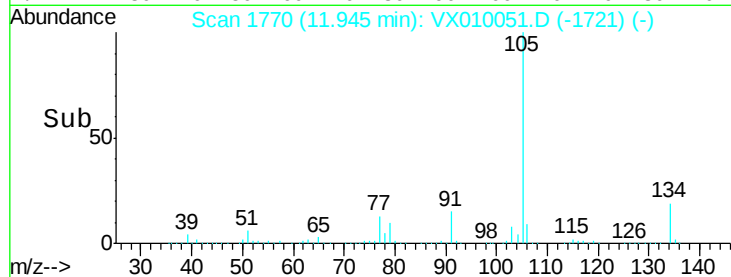
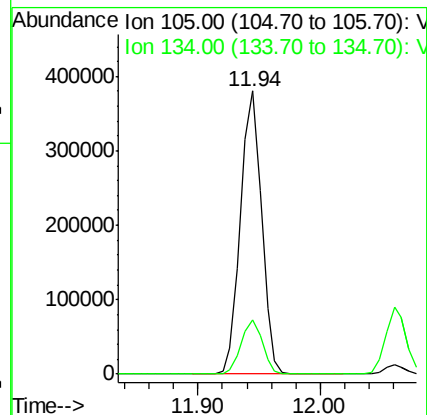
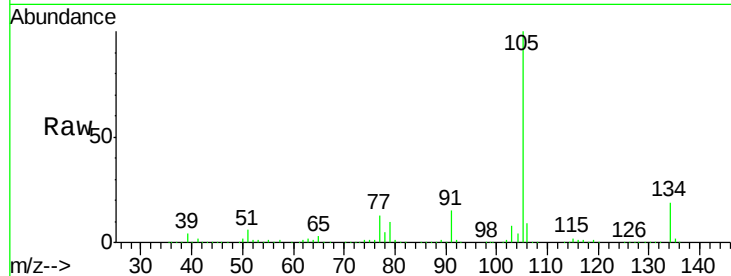
Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 52.789 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010051.D

Acq: 04 Jun 2019 10:25

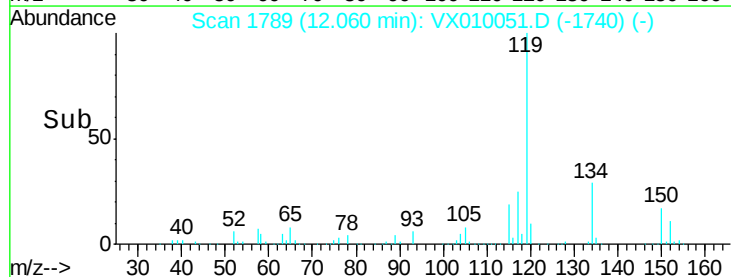
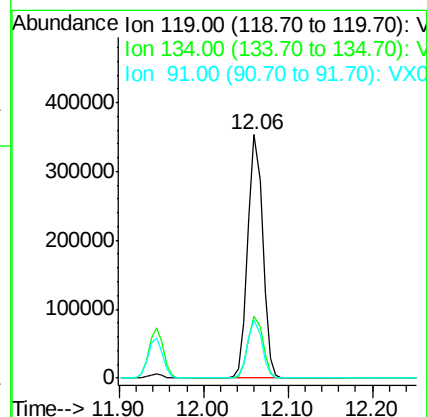
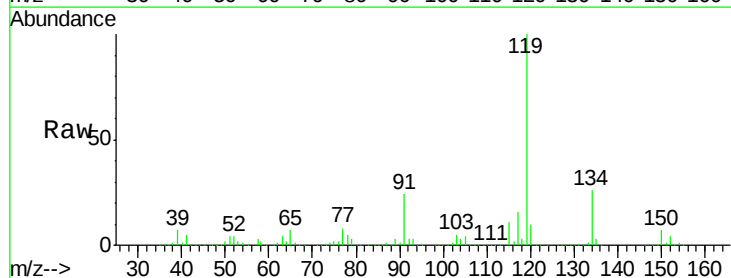
Tgt Ion:119 Resp: 413195

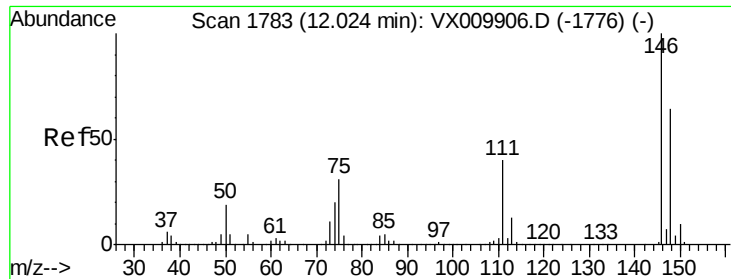
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 23.7 11.9 35.9





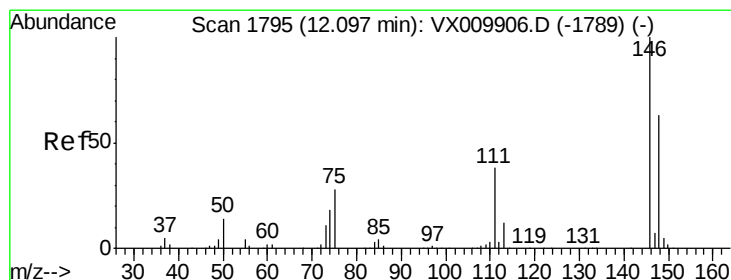
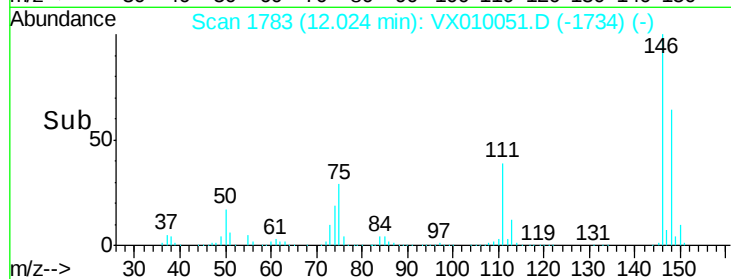
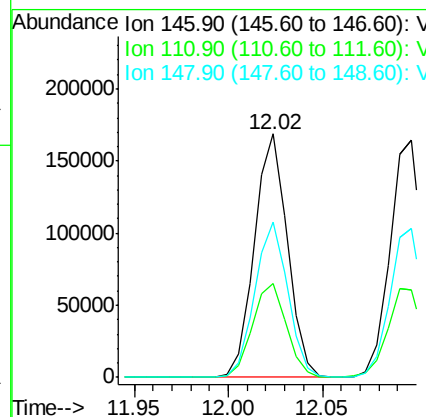
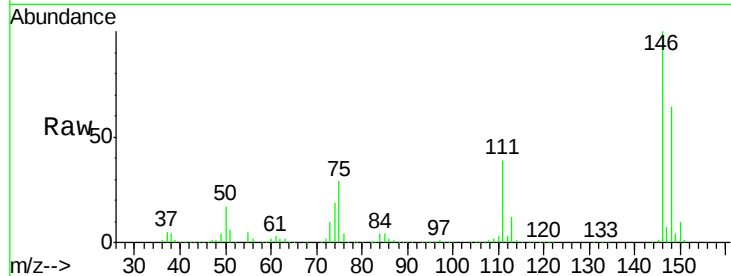
#87
 1,3-Dichlorobenzene
 Concen: 49.883 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	63.7	31.9	95.5

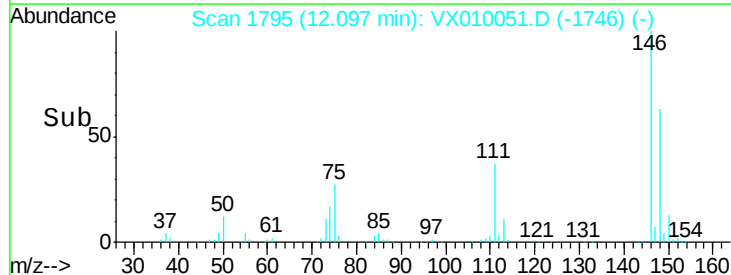
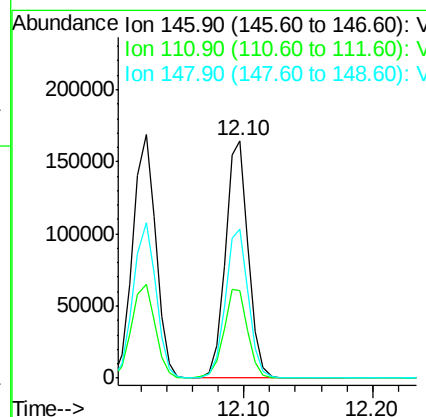
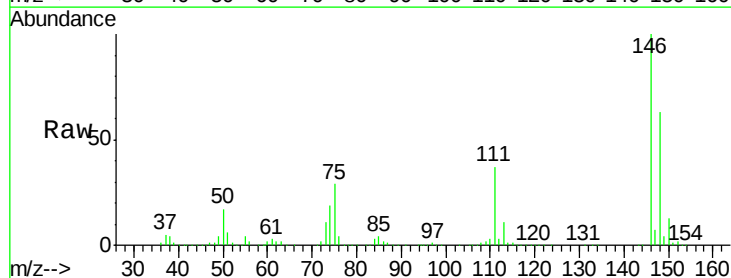
Manual Integrations
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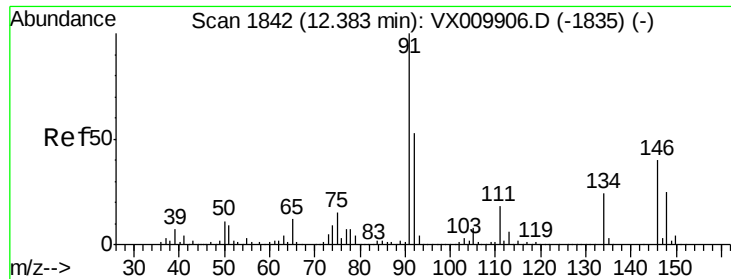
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#88
 1,4-Dichlorobenzene
 Concen: 48.736 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	59.9
148	63.3	32.3	96.9





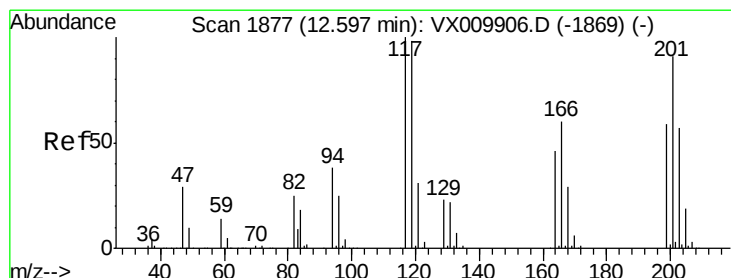
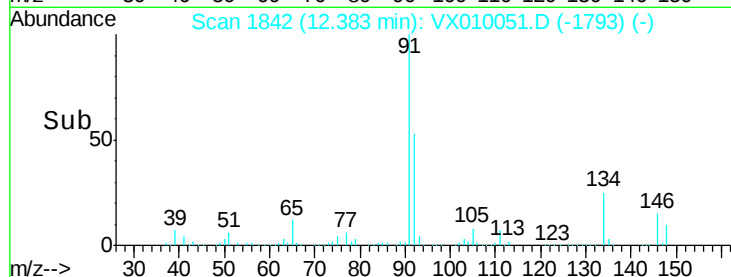
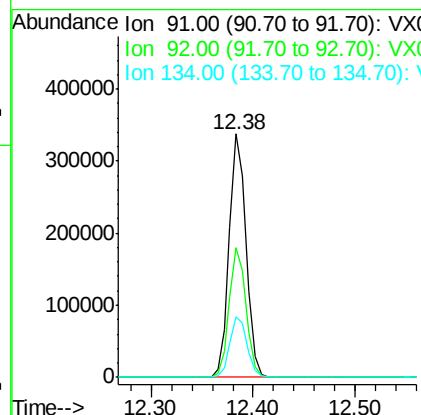
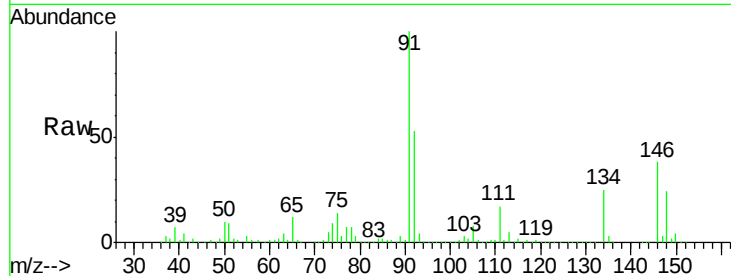
#89
n-Butylbenzene
Concen: 52.644 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	25.3	12.3	36.8

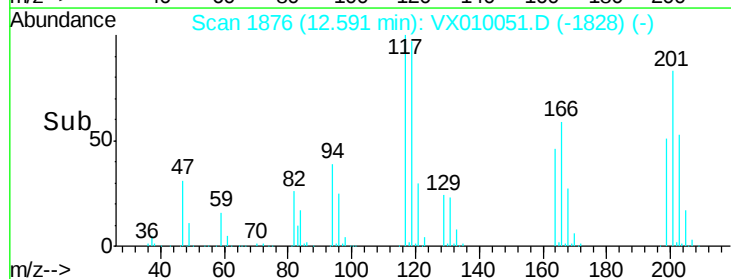
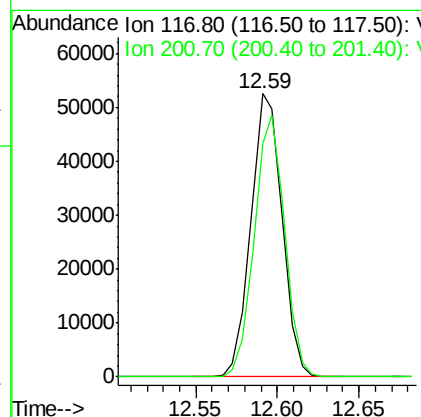
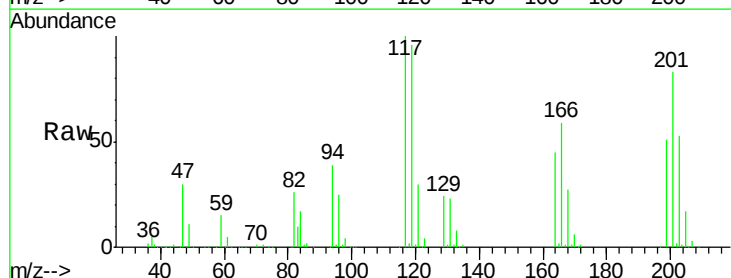
Manual Integrations
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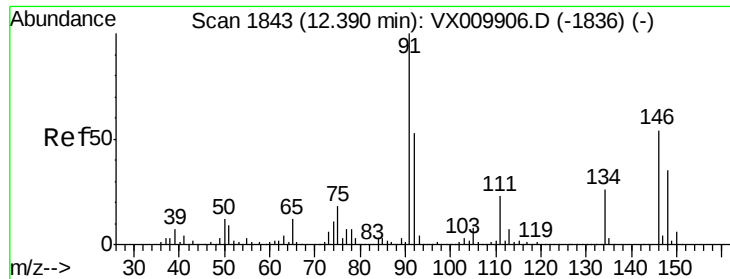
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#90
Hexachloroethane
Concen: 52.166 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	43.6	130.9





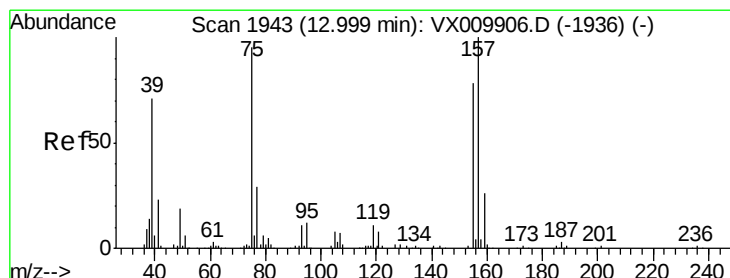
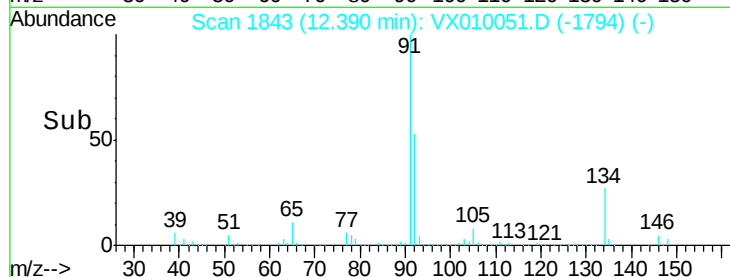
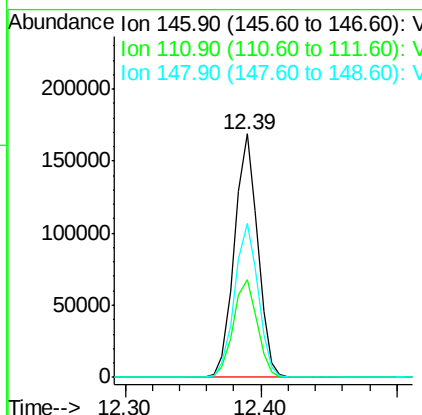
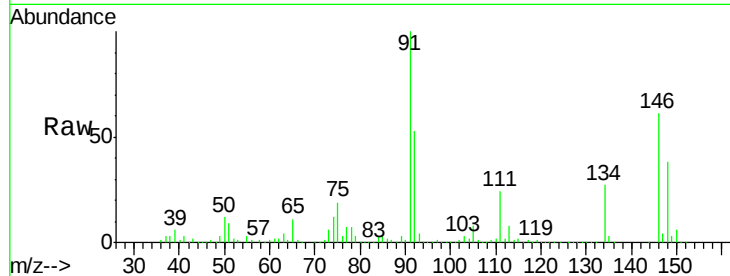
#91
 1,2-Dichlorobenzene
 Concen: 49.543 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.1
148	64.1	32.3	96.8

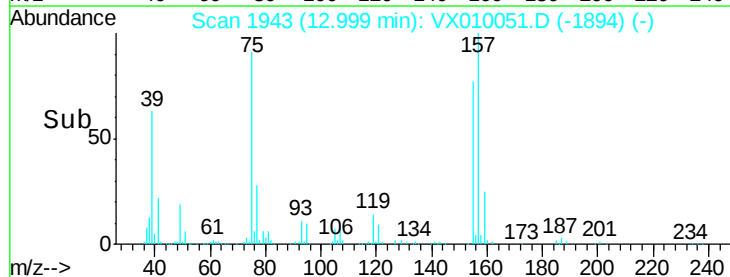
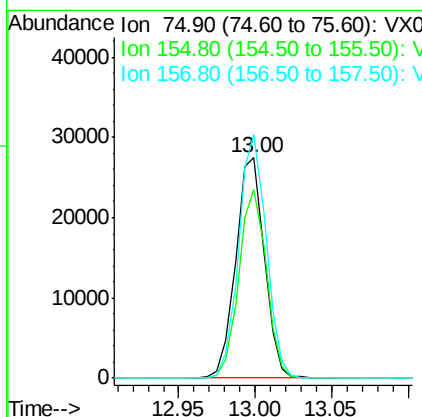
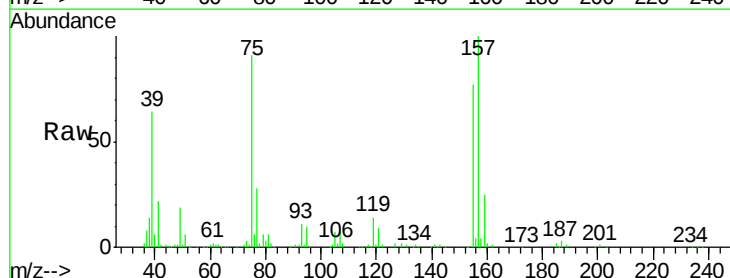
Manual Integrations
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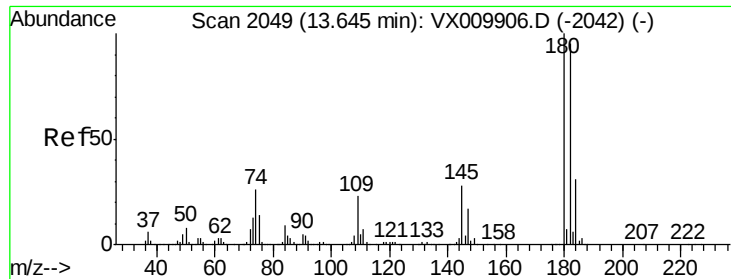
MMDadoda
 6/5/2019 9:26:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.622 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	39.3	117.8
157	106.1	50.6	151.8





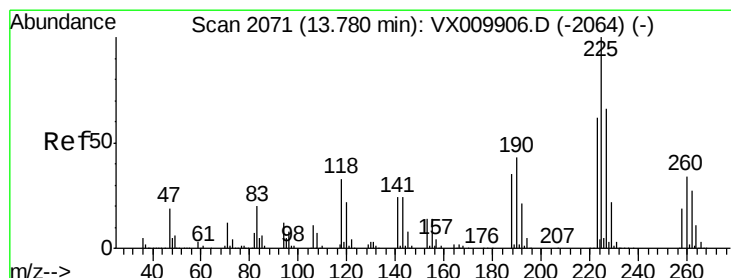
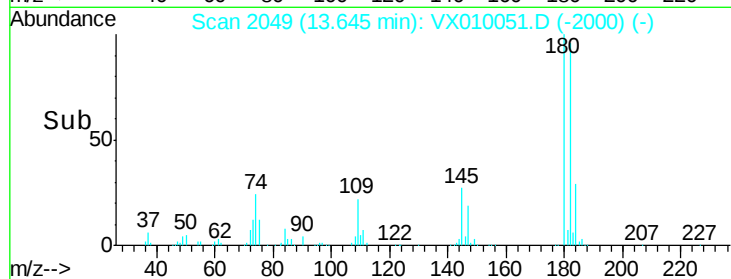
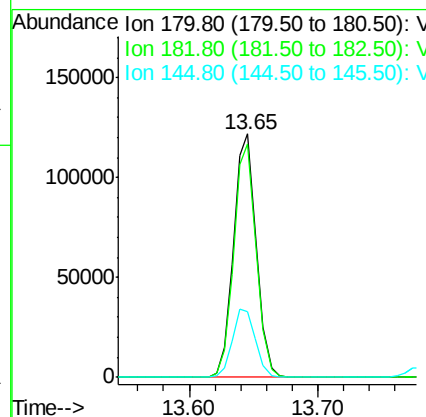
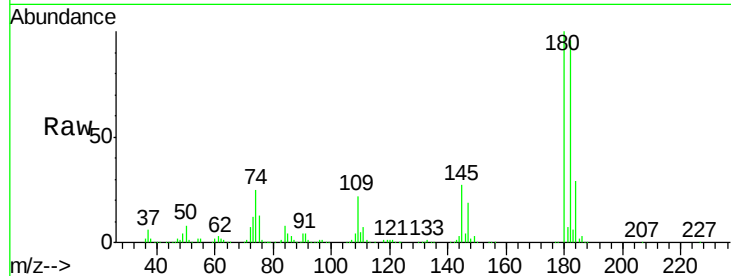
#93
 1,2,4-Trichlorobenzene
 Concen: 51.861 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150455		
182	94.8	47.4	142.2	
145	28.6	14.5	43.5	

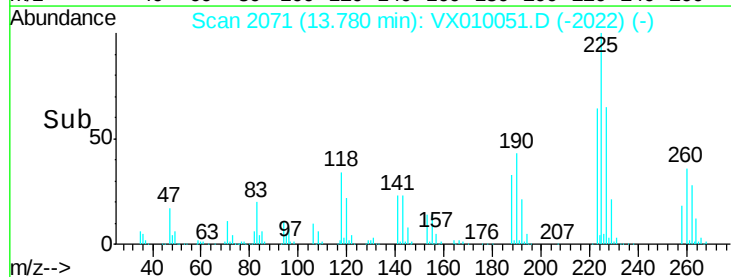
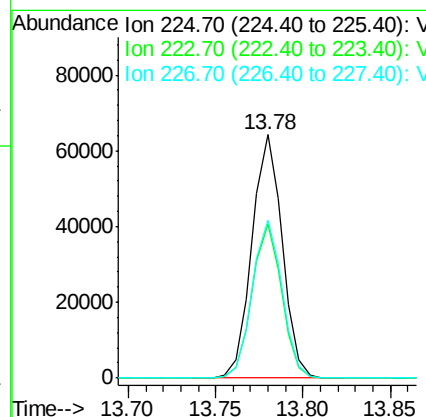
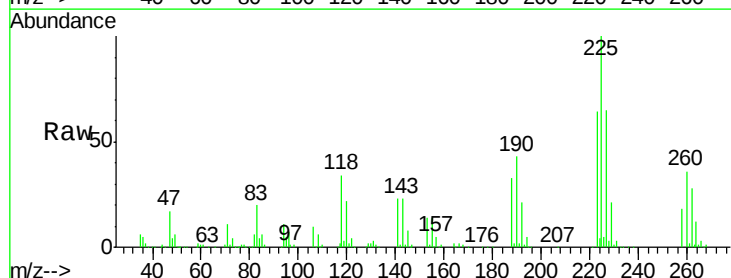
Manual Integrations
 APPROVED

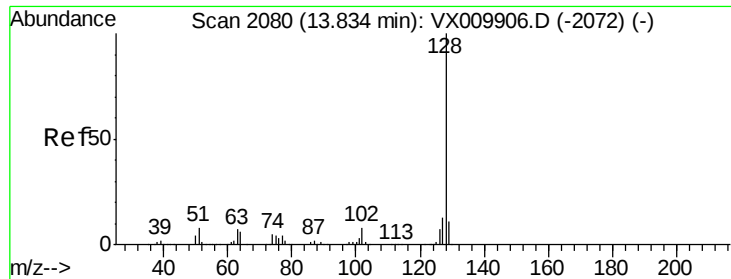
MMDadoda
 6/5/2019 9:26:26 AM



#94
 Hexachlorobutadiene
 Concen: 53.255 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010051.D
 Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77493		
223	62.0	31.3	93.8	
227	64.3	32.3	96.8	





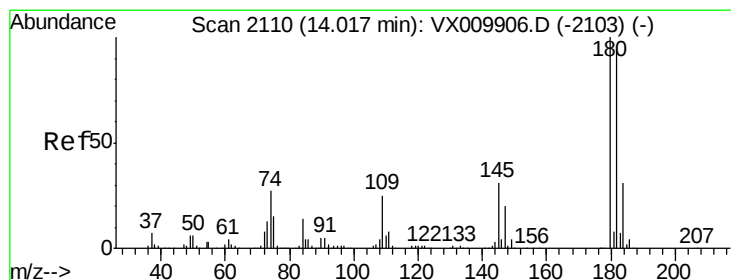
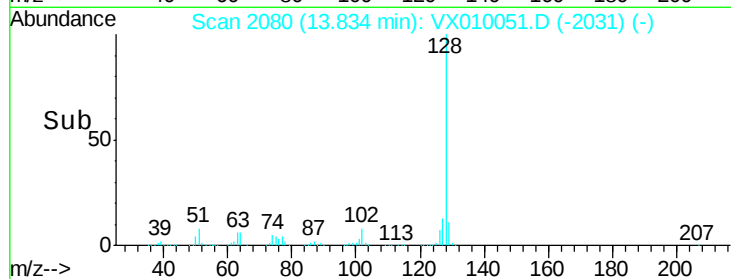
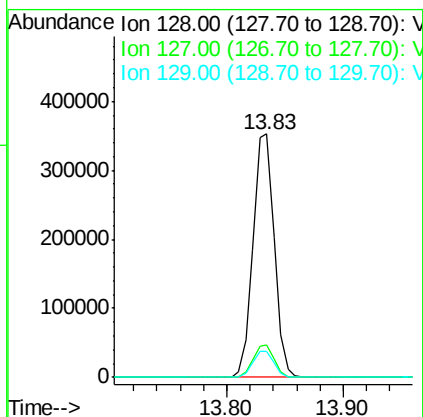
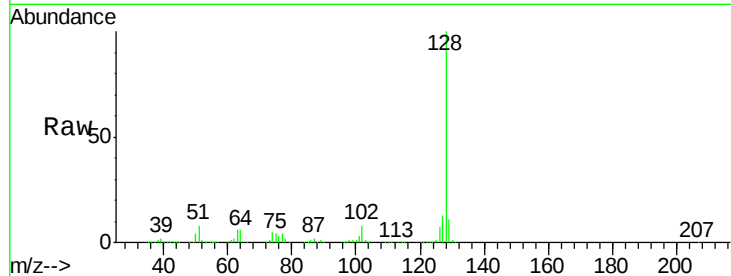
#95
Naphthalene
Concen: 49.764 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/5/2019 9:26:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.582 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010051.D
Acq: 04 Jun 2019 10:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	142.0
145	30.6	15.6	46.7

