

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009309.D
 Acq On : 03 May 2019 14:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:24:44 AM

Quant Time: May 03 23:31:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	183397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286388	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	121029	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	5.49	113	88536	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	8.71	98	362387	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.13	95	134180	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	78266	46.310	ug/l	100
3) Chloromethane	1.32	50	104706	45.380	ug/l	99
4) Vinyl Chloride	1.41	62	103859	46.161	ug/l	97
5) Bromomethane	1.64	94	60850	45.059	ug/l	96
6) Chloroethane	1.71	64	64868	44.906	ug/l	99
7) Trichlorofluoromethane	1.92	101	128869	47.120	ug/l	99
8) Diethyl Ether	2.18	74	59735	46.110	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	82432	47.997	ug/l	98
10) Methyl Iodide	2.51	142	94728	47.704	ug/l	99
11) Tert butyl alcohol	3.05	59	122155	210.787	ug/l	100
12) 1,1-Dichloroethene	2.37	96	80256	46.639	ug/l	99
13) Acrolein	2.29	56	108733	207.177	ug/l	98
14) Allyl chloride	2.73	41	191936	45.769	ug/l	100
15) Acrylonitrile	3.14	53	319437	225.437	ug/l	99
16) Acetone	2.44	43	292745	217.763	ug/l	98
17) Carbon Disulfide	2.57	76	211751	43.829	ug/l	99
18) Methyl Acetate	2.77	43	143214	44.795	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	312594	46.780	ug/l	100
20) Methylene Chloride	2.85	84	96949	44.540	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	85625	45.882	ug/l	98
22) Diisopropyl ether	3.85	45	380670	47.202	ug/l	95
23) Vinyl Acetate	3.81	43	1659670	240.325	ug/l	99
24) 1,1-Dichloroethane	3.69	63	183321	46.079	ug/l	100
25) 2-Butanone	4.67	43	474153	226.971	ug/l	99
26) 2,2-Dichloropropane	4.58	77	138270	46.692	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	103521	46.474	ug/l	99
28) Bromochloromethane	5.01	49	78288	48.819	ug/l	100
29) Tetrahydrofuran	5.12	42	305995	227.625	ug/l	99
30) Chloroform	5.21	83	168680	46.878	ug/l	99
31) Cyclohexane	5.57	56	176227	47.611	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	139004	46.406	ug/l	99
36) 1,1-Dichloropropene	5.79	75	129646	48.713	ug/l	100
37) Ethyl Acetate	4.83	43	174217	46.982	ug/l	99
38) Carbon Tetrachloride	5.78	117	116295	48.094	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	162363	49.675	ug/l	98
40) Benzene	6.14	78	393462	47.769	ug/l	100
41) Methacrylonitrile	5.04	41	101212	45.852	ug/l	98
42) 1,2-Dichloroethane	6.19	62	143088	48.428	ug/l	99
43) Isopropyl Acetate	6.44	43	284820	48.019	ug/l	99
44) Trichloroethene	7.21	130	95562	47.991	ug/l	99
45) 1,2-Dichloropropane	7.51	63	113024	48.460	ug/l	98
46) Dibromomethane	7.66	93	63360	46.781	ug/l	98
47) Bromodichloromethane	7.90	83	130984	48.483	ug/l	96
48) Methyl methacrylate	7.77	41	143042	48.609	ug/l	100
49) 1,4-Dioxane	7.74	88	51611	864.823	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	926442	238.964	ug/l	100
52) Toluene	8.78	92	241597	48.253	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	153452	50.309	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	167832	49.712	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	99106	48.518	ug/l	98
56) Ethyl methacrylate	9.18	69	178493	48.952	ug/l	99
57) 1,3-Dichloropropane	9.37	76	173029	48.136	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	474875	245.498	ug/l	100
59) 2-Hexanone	9.49	43	723749	237.694	ug/l	99
60) Dibromochloromethane	9.58	129	99075	49.661	ug/l	99
61) 1,2-Dibromoethane	9.67	107	100287	48.637	ug/l	99
64) Tetrachloroethene	9.34	164	89321	49.895	ug/l	97
65) Chlorobenzene	10.13	112	251201	48.116	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	90793	47.969	ug/l	99
67) Ethyl Benzene	10.25	91	467505	48.657	ug/l	100
68) m/p-Xylenes	10.36	106	345914	98.520	ug/l	98
69) o-Xylene	10.69	106	167140	48.247	ug/l	99
70) Styrene	10.71	104	297805	49.460	ug/l	99
71) Bromoform	10.85	173	75395	49.017	ug/l #	99
73) Isopropylbenzene	11.02	105	454158	47.457	ug/l	99
74) N-amyl acetate	10.90	43	263904	47.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162835	45.644	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	142344m	46.629	ug/l	
77) Bromobenzene	11.26	156	112114	47.200	ug/l	99
78) n-propylbenzene	11.36	91	532871	48.756	ug/l	99
79) 2-Chlorotoluene	11.42	91	311506	46.198	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	386364	47.948	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54879	45.997	ug/l	98
82) 4-Chlorotoluene	11.51	91	361550	47.463	ug/l	100
83) tert-Butylbenzene	11.77	119	372309	47.496	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	390764	48.313	ug/l	99
85) sec-Butylbenzene	11.94	105	451367	48.569	ug/l	100
86) p-Isopropyltoluene	12.06	119	413309	49.470	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	203255	48.001	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	201991	47.315	ug/l	99
89) n-Butylbenzene	12.38	91	384286	50.890	ug/l	100
90) Hexachloroethane	12.60	117	68631	48.218	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	204712	47.465	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35249	44.045	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	147866	50.136	ug/l	98
94) Hexachlorobutadiene	13.78	225	75700	50.262	ug/l	99
95) Naphthalene	13.83	128	457145	47.642	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	145443	48.649	ug/l	99

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

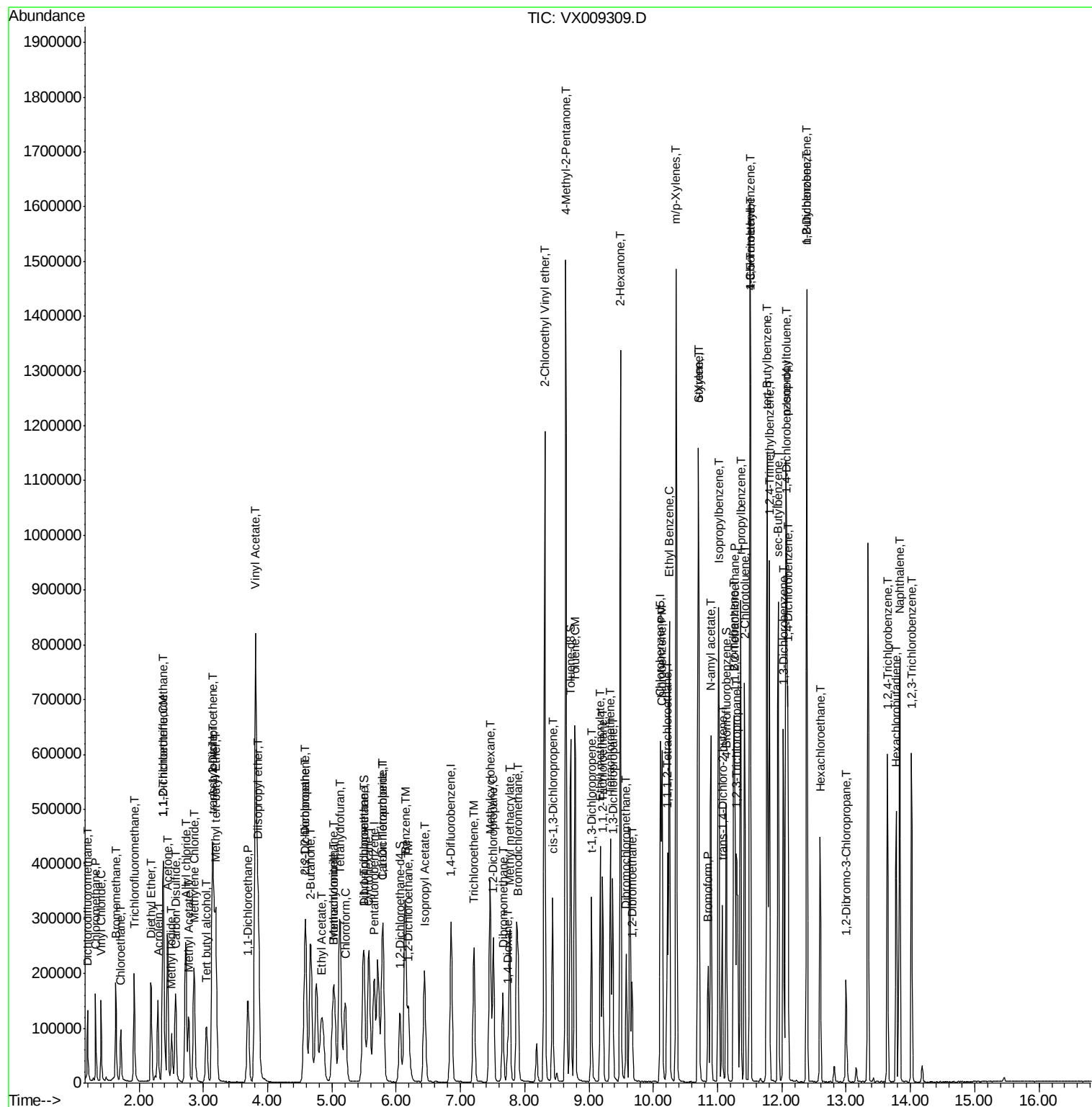
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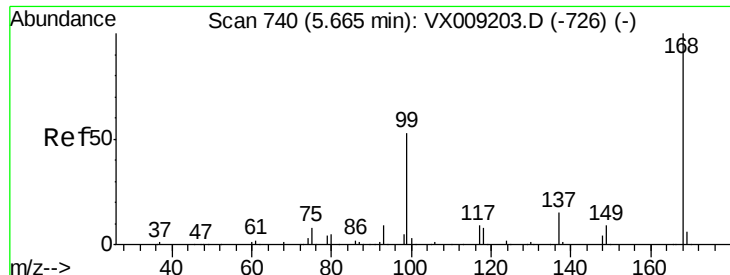
Instrument :
MSVOA_X
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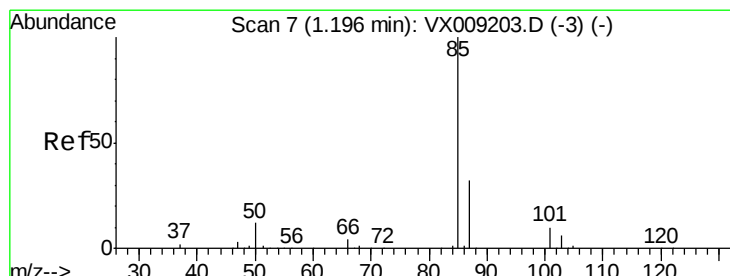
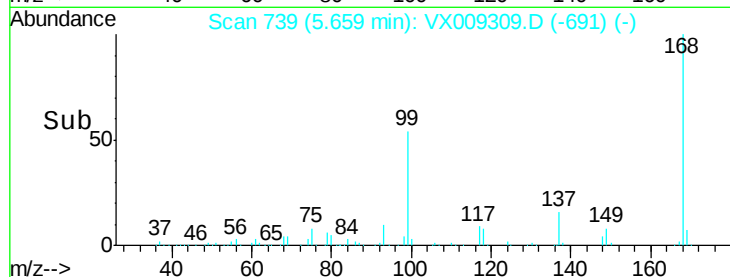
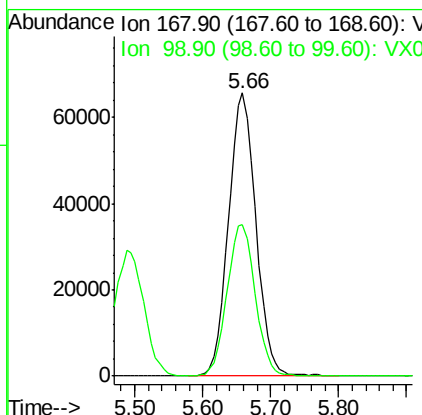
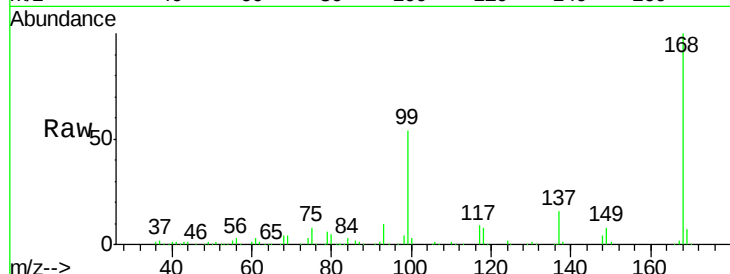
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	183397		
99	53.5	42.3	63.5	

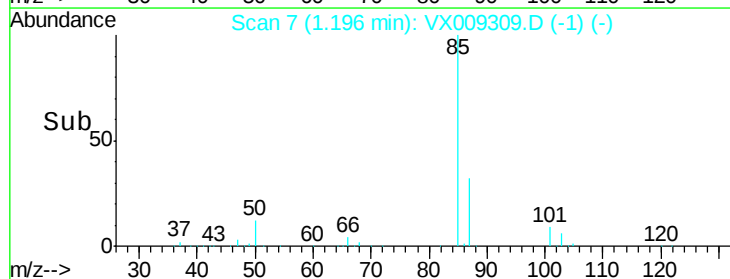
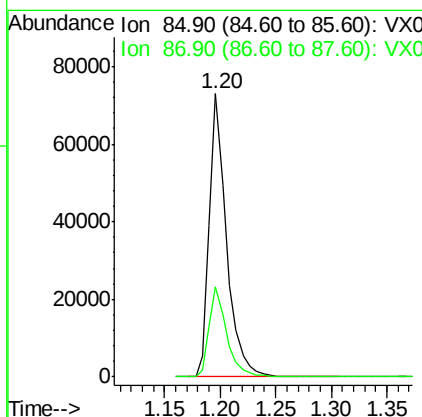
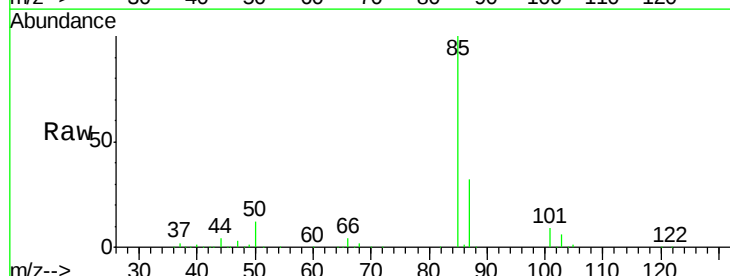
Manual Integrations
APPROVED

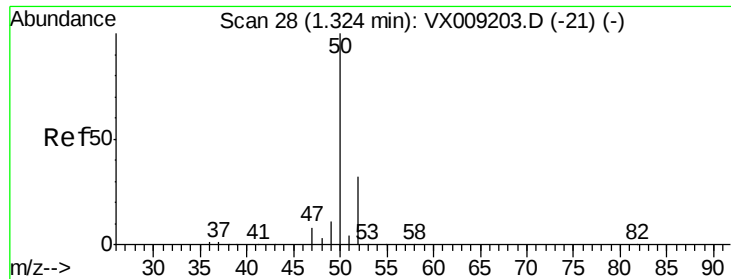
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#2
Dichlorodifluoromethane
Concen: 46.310 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	78266		
87	31.9	16.1	48.3	





#3

Chloromethane

Concen: 45.380 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 104706

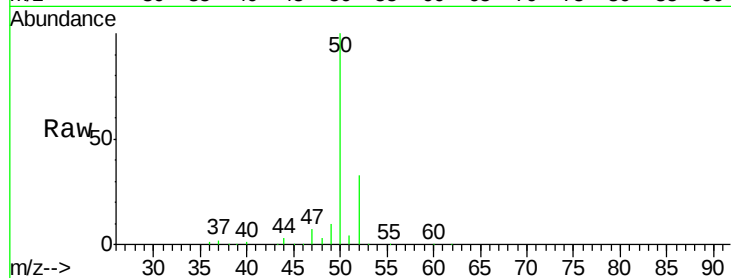
Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9

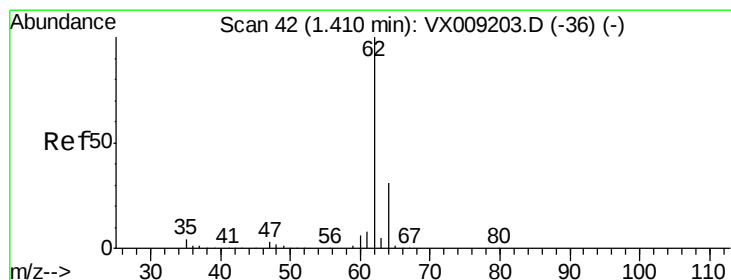
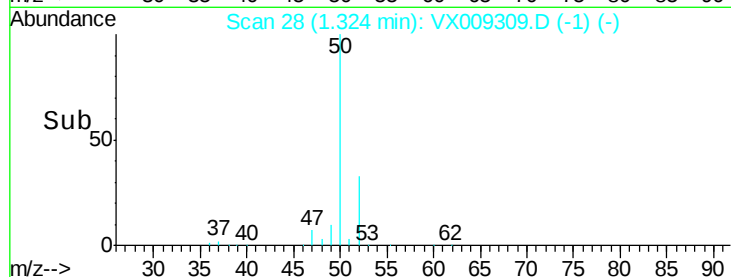
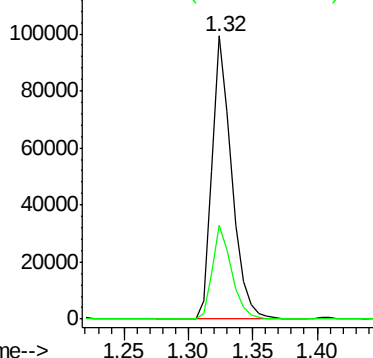
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.161 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009309.D

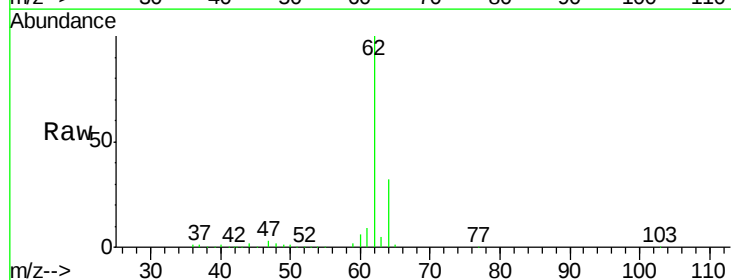
Acq: 03 May 2019 14:40

Tgt Ion: 62 Resp: 103859

Ion Ratio Lower Upper

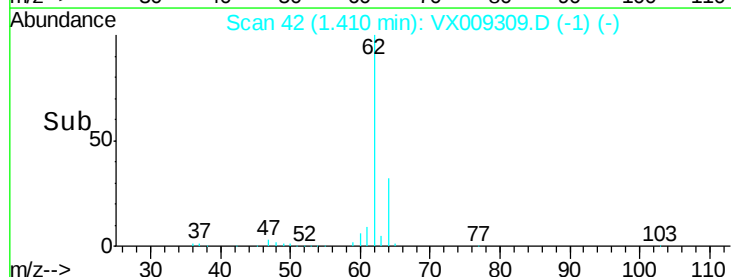
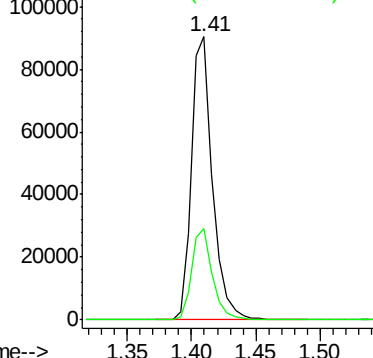
62 100

64 32.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.059 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 60850

Ion Ratio Lower Upper

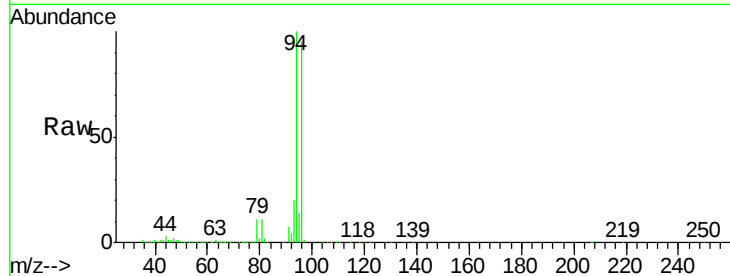
94 100

96 95.1 73.0 109.6

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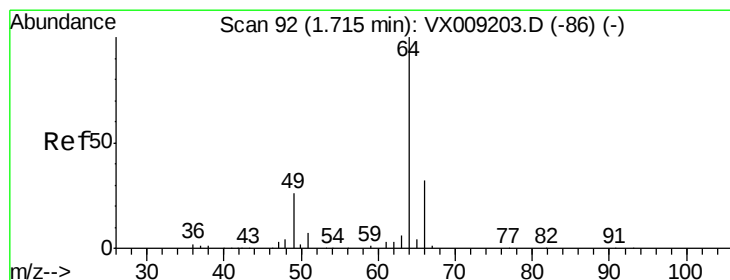
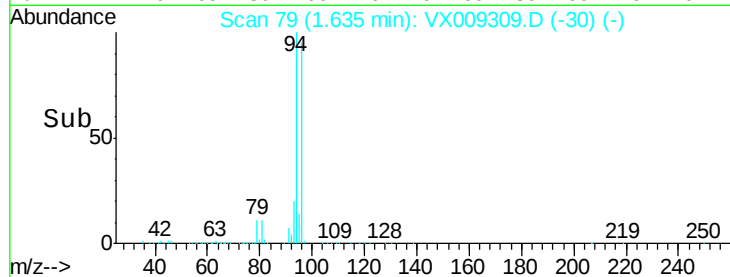
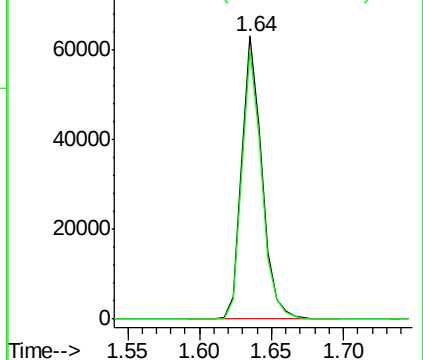
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.906 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009309.D

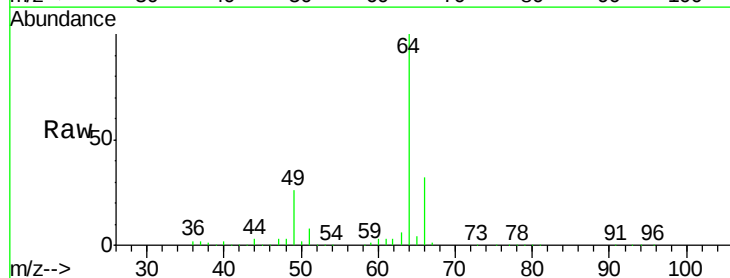
Acq: 03 May 2019 14:40

Tgt Ion: 64 Resp: 64868

Ion Ratio Lower Upper

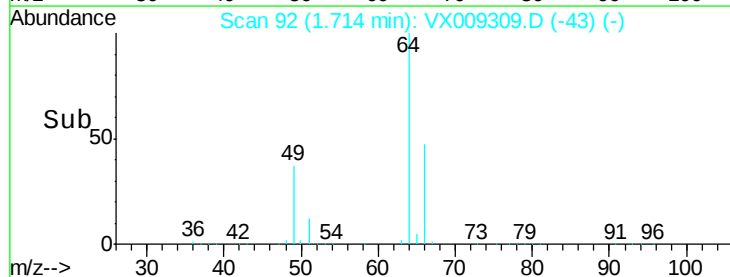
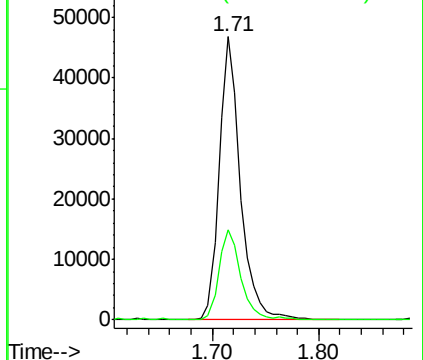
64 100

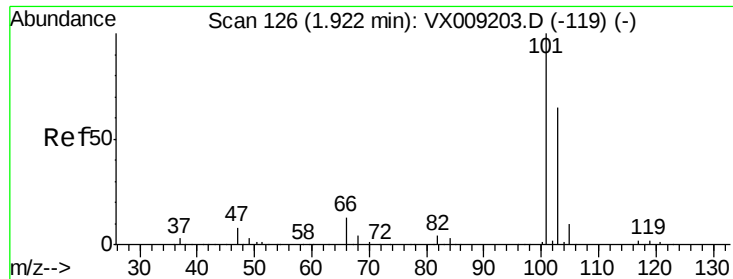
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

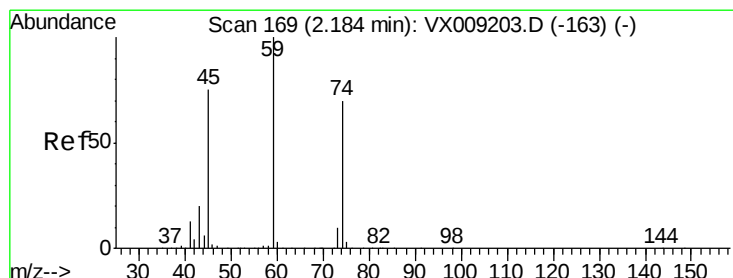
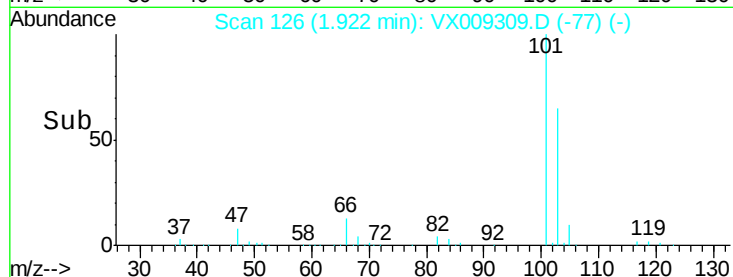
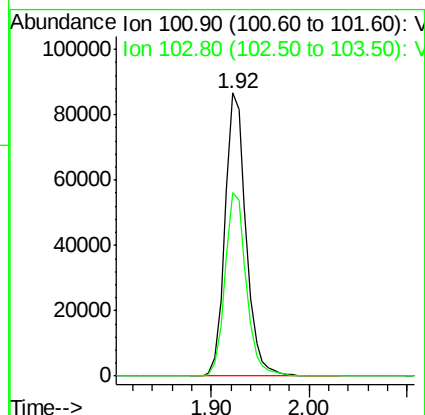
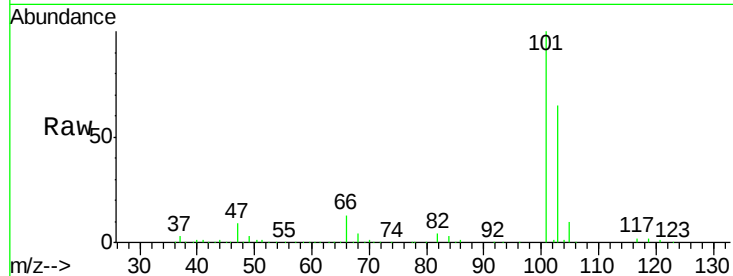
Trichlorofluoromethane
Concen: 47.120 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		128869		
103	64.7	52.4	78.6		

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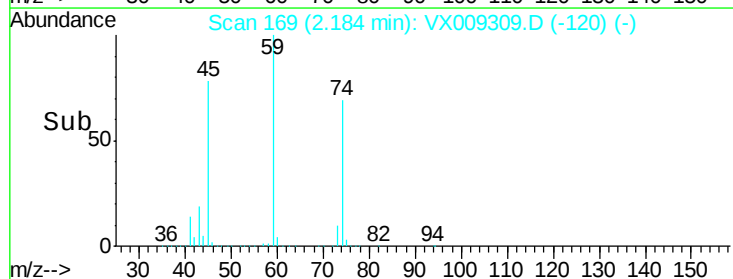
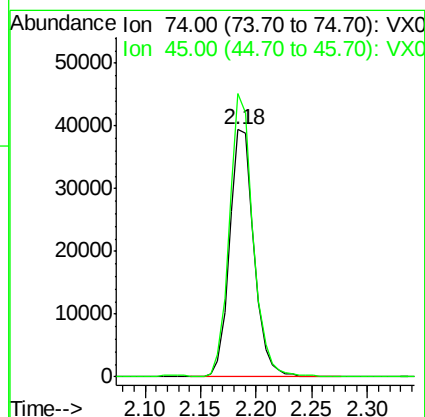
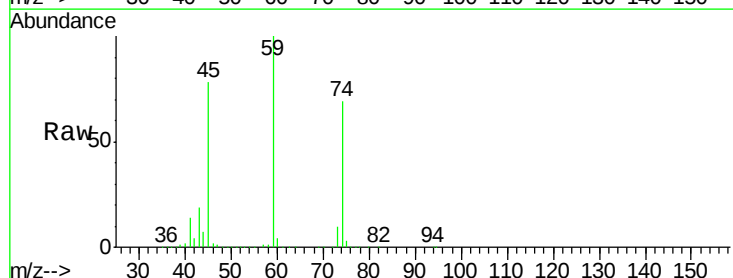
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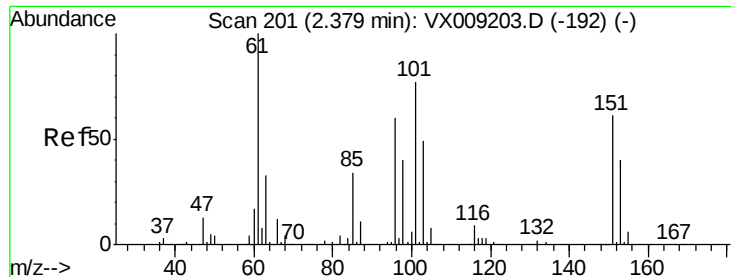


#8

Diethyl Ether
Concen: 46.110 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		59735		
45	110.2	53.3	159.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.997 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

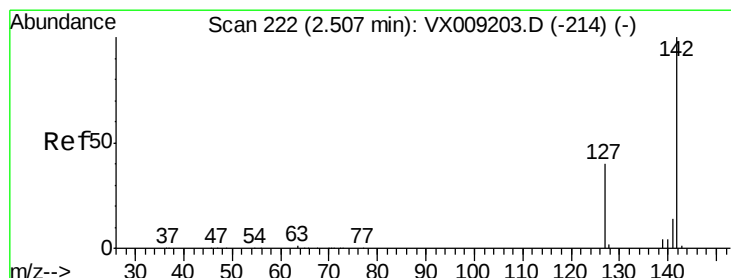
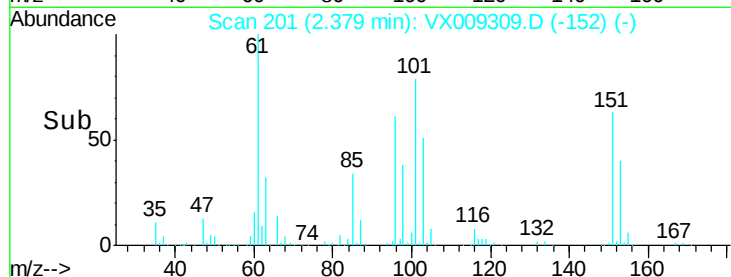
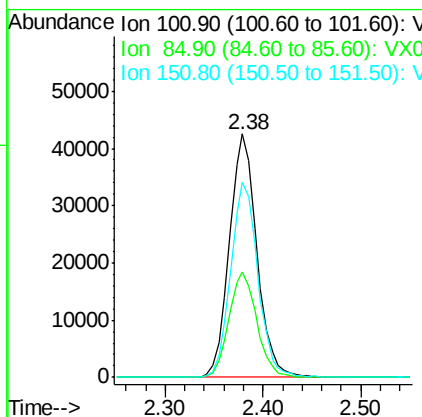
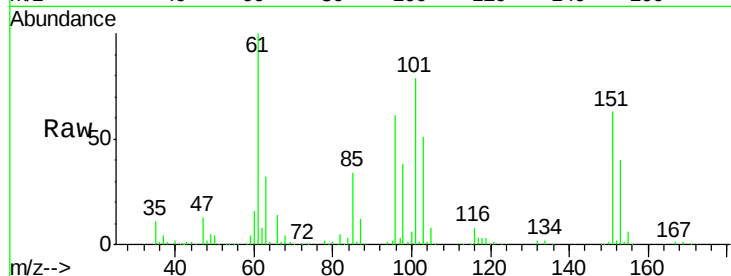
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	82432
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.7	53.5
151	79.8	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 47.704 ug/l

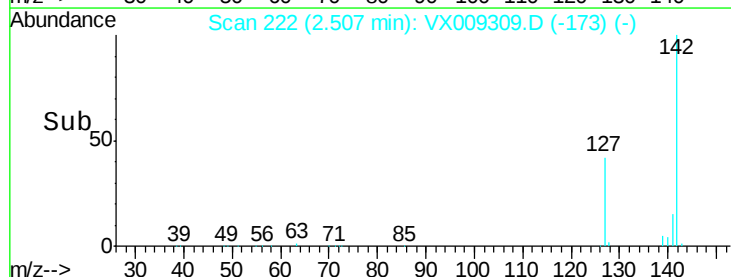
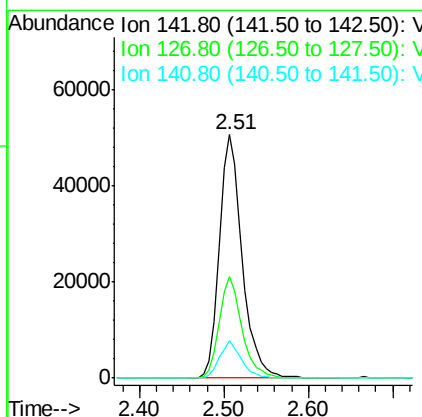
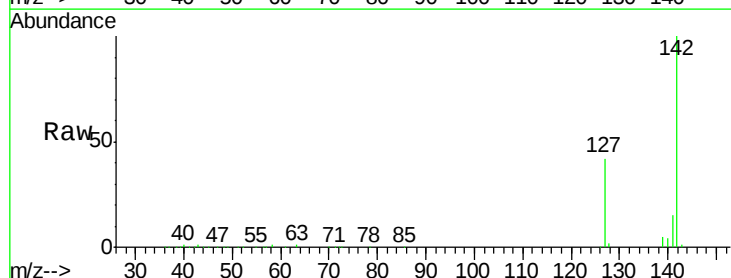
RT: 2.51 min Scan# 222

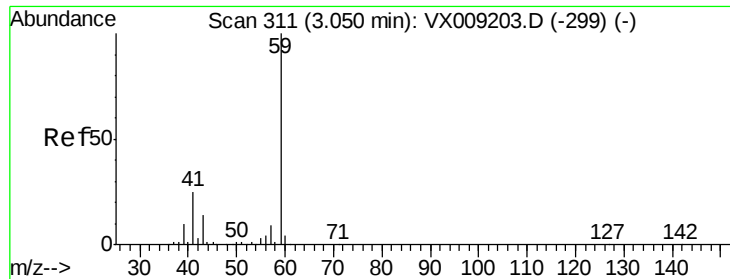
Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	142	Resp:	94728
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.7	49.1
141	14.6	11.5	17.3





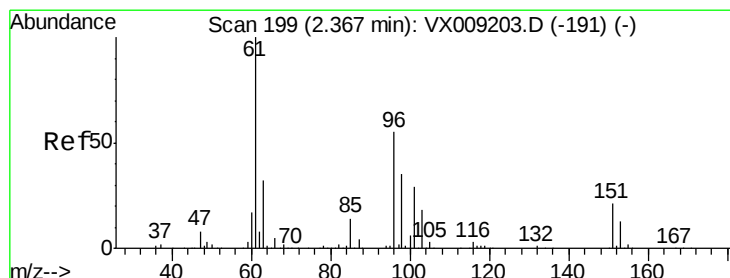
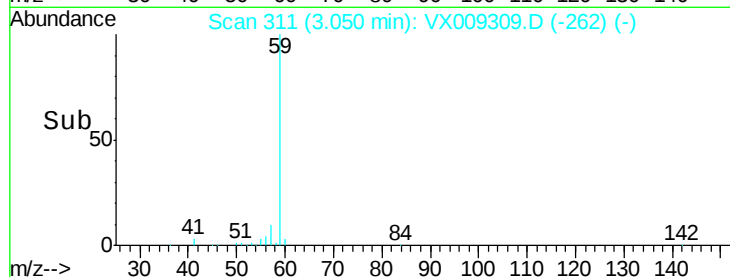
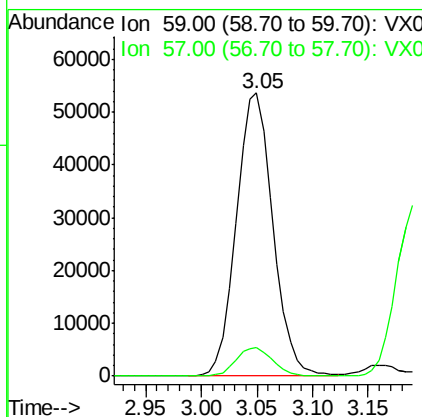
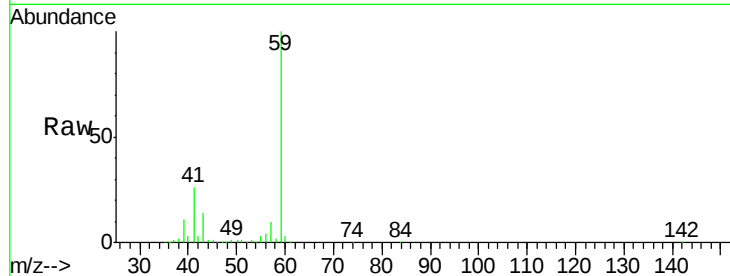
#11
Tert butyl alcohol
Concen: 210.787 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

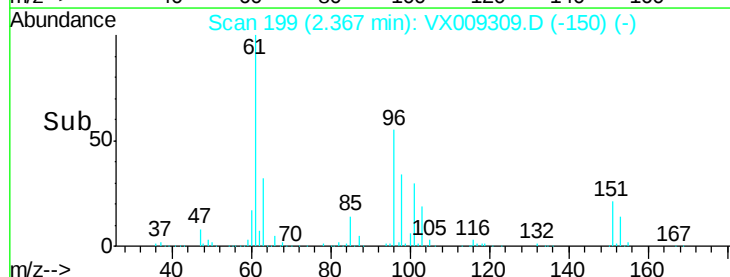
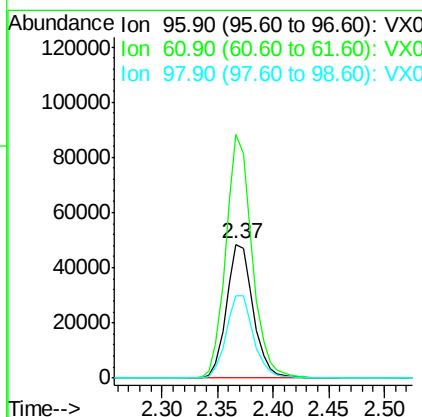
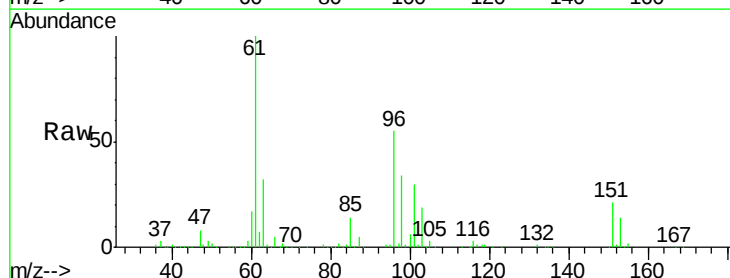
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 46.639 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.1	144.3	216.5
98	61.3	50.3	75.5





#13

Acrolein

Concen: 207.177 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 108733

Ion Ratio Lower Upper

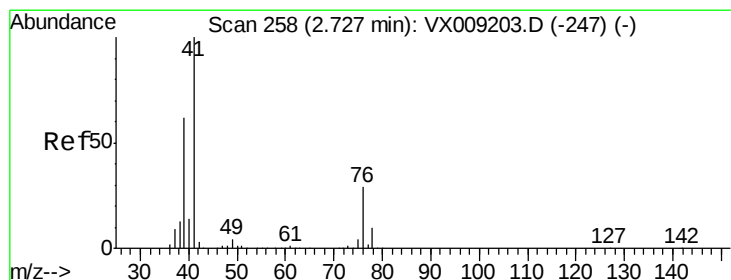
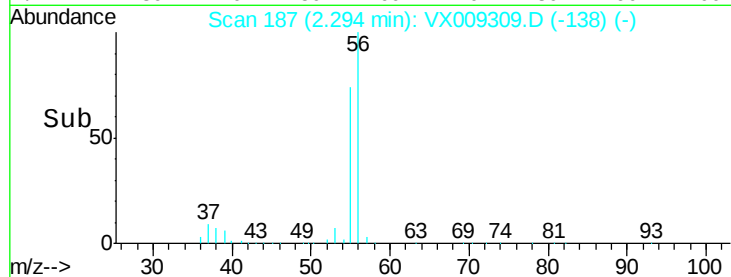
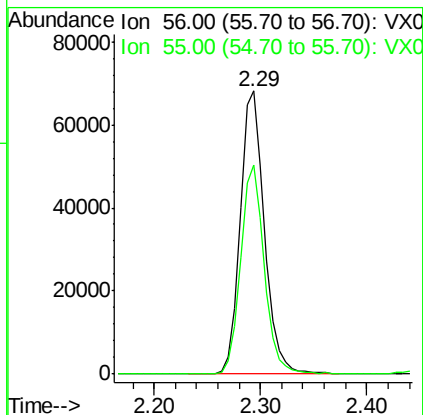
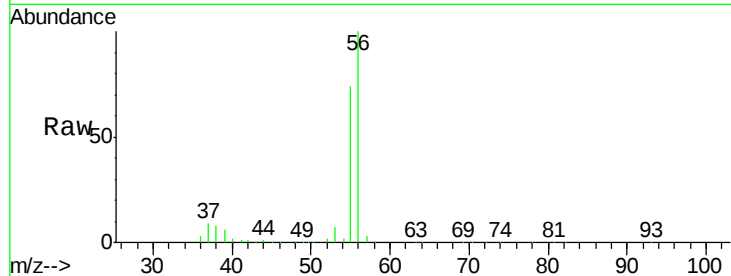
56 100

55 72.4 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 45.769 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

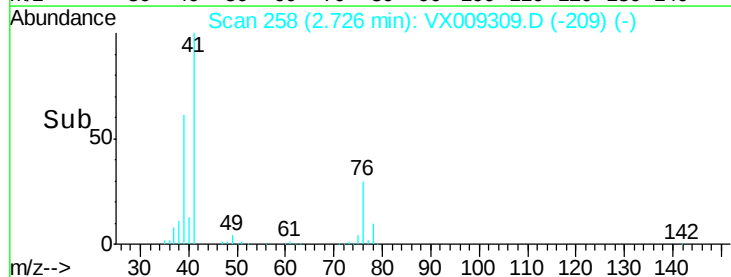
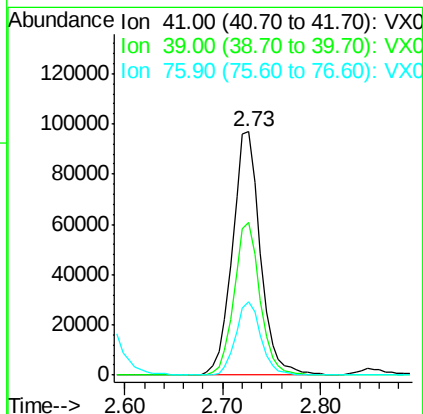
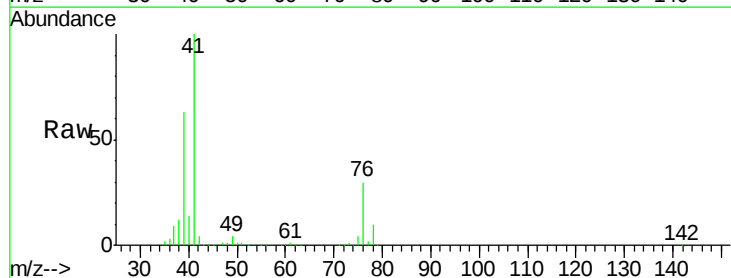
Tgt Ion: 41 Resp: 191936

Ion Ratio Lower Upper

41 100

39 58.1 46.7 70.1

76 27.3 21.8 32.8





#15

Acrylonitrile

Concen: 225.437 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

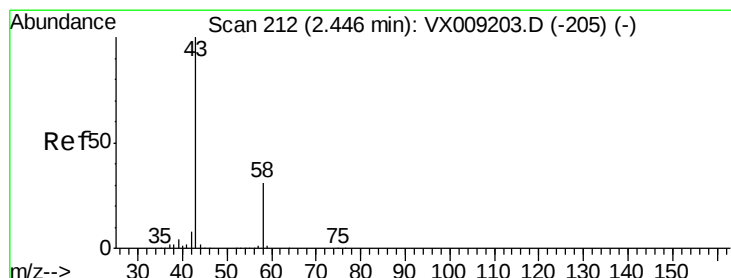
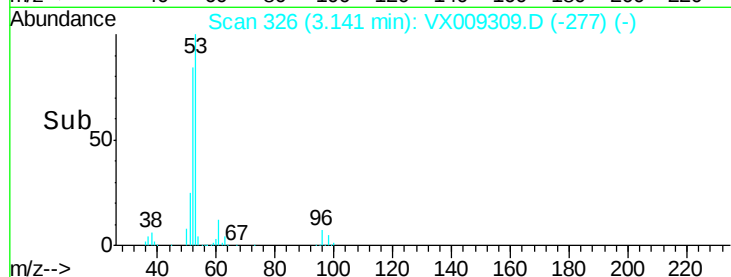
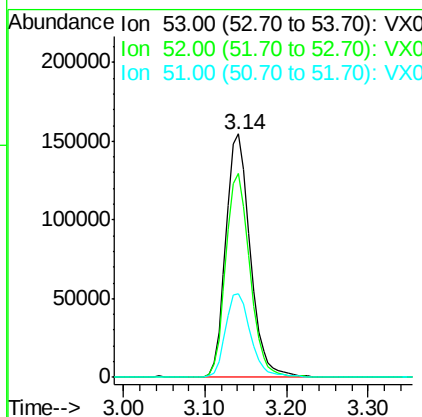
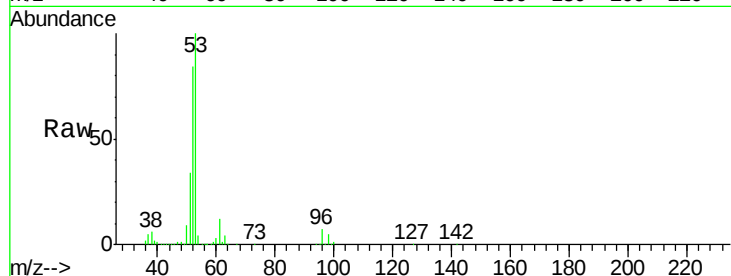
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	319437
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.9	100.3
51	35.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 217.763 ug/l

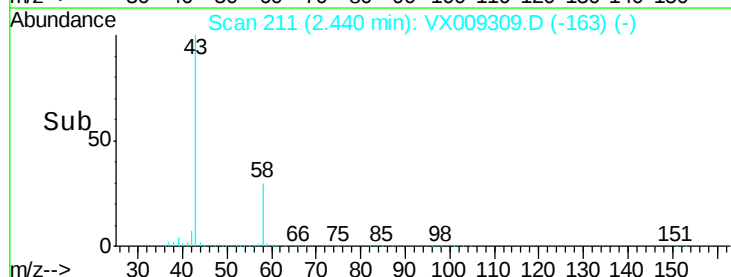
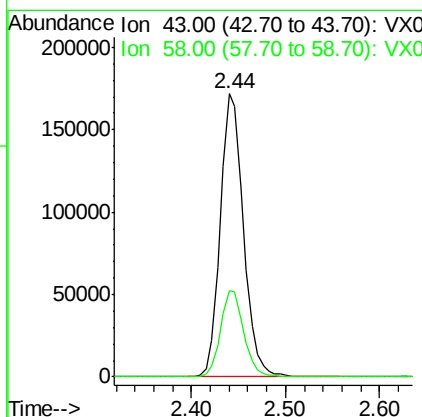
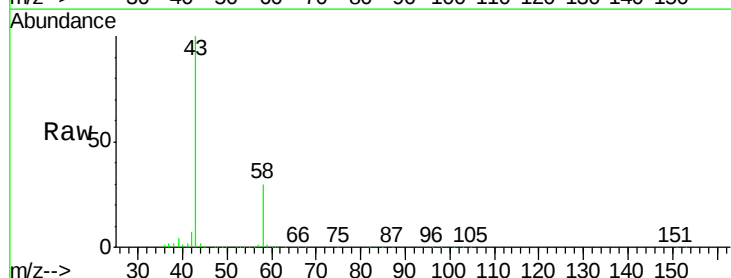
RT: 2.44 min Scan# 211

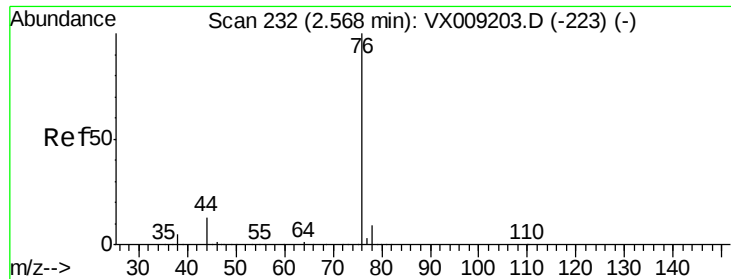
Delta R.T. -0.01 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	43	Resp:	292745
Ion Ratio		Lower	Upper
43	100		
58	30.2	24.9	37.3





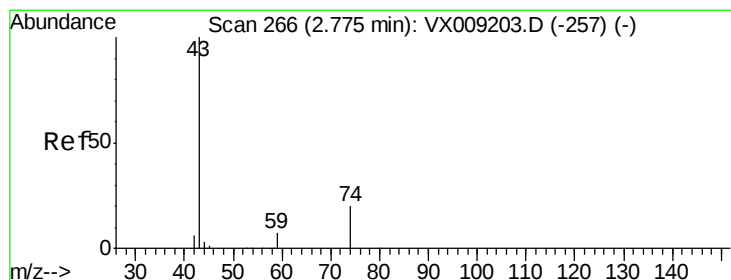
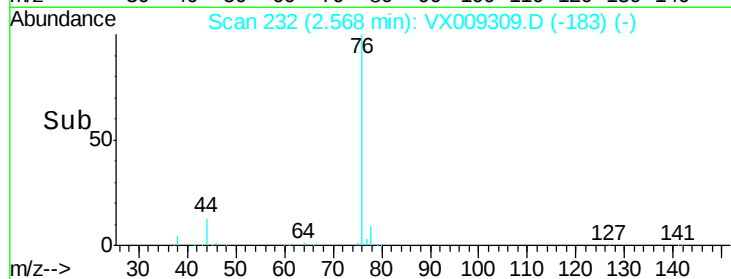
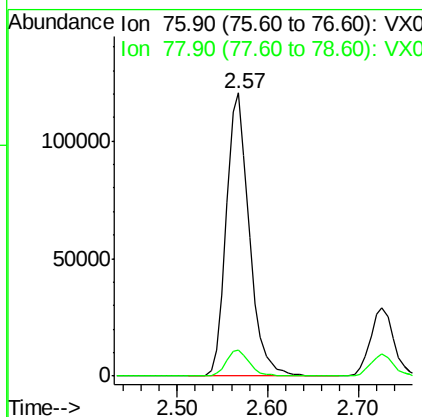
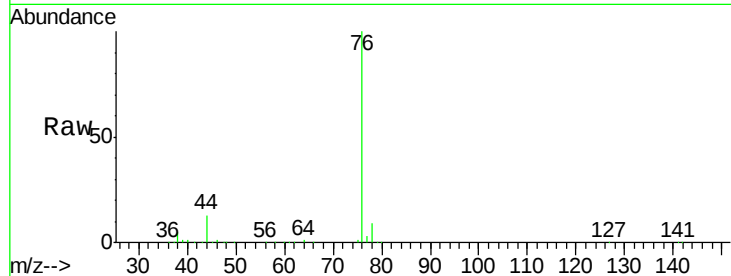
#17
Carbon Disulfide
Concen: 43.829 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

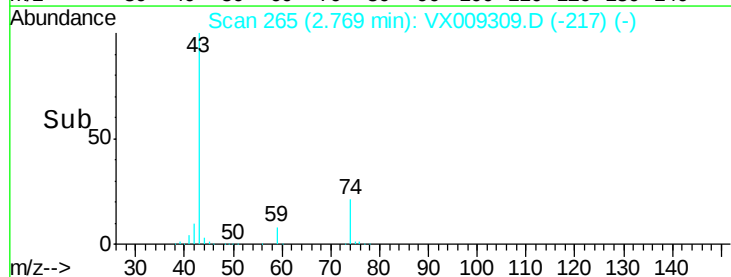
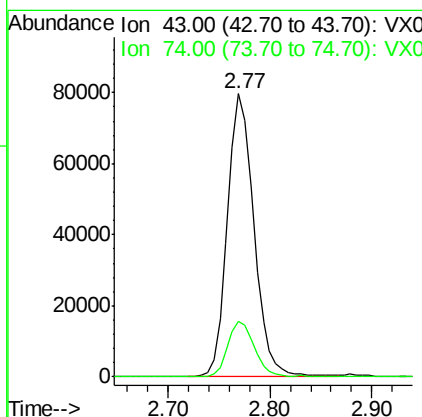
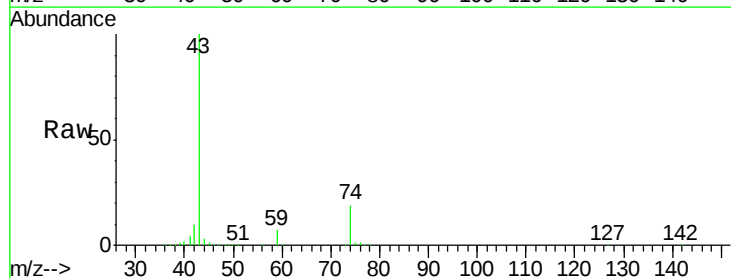
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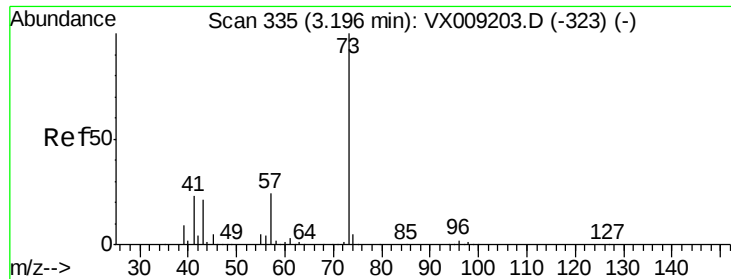
MMDadoda
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#18
Methyl Acetate
Concen: 44.795 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.2	24.4





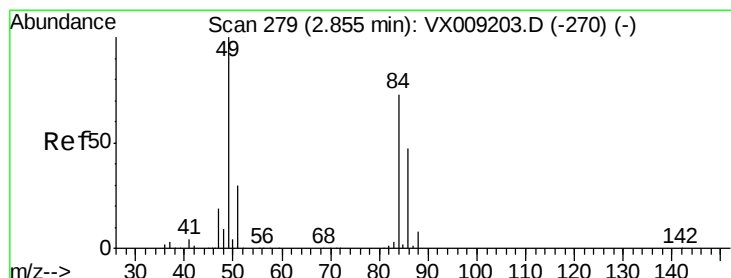
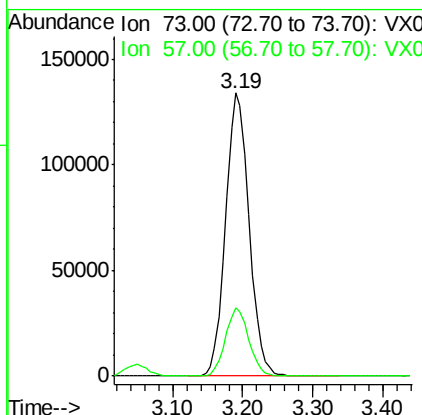
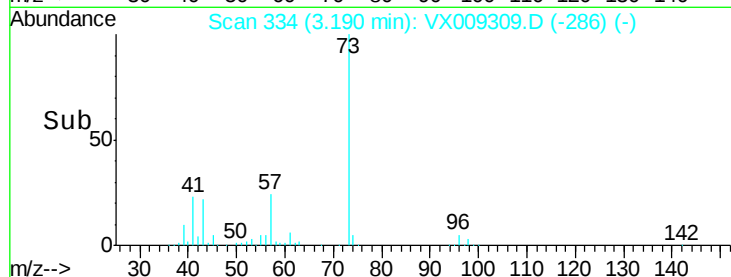
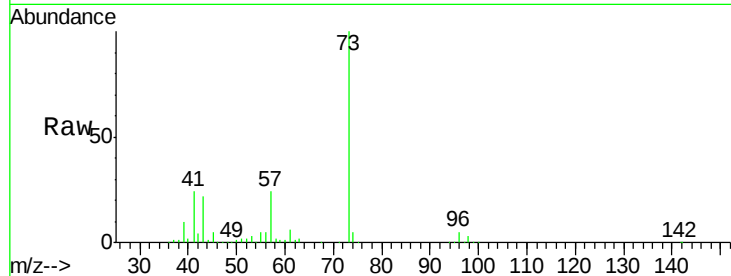
#19
Methyl tert-butyl Ether
Concen: 46.780 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9

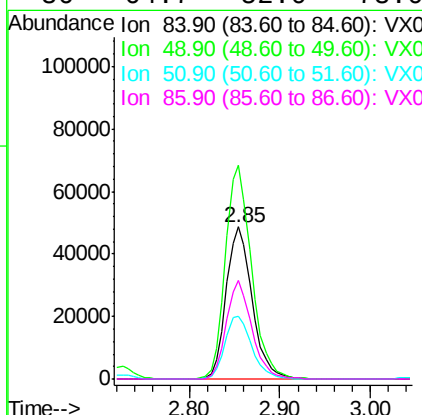
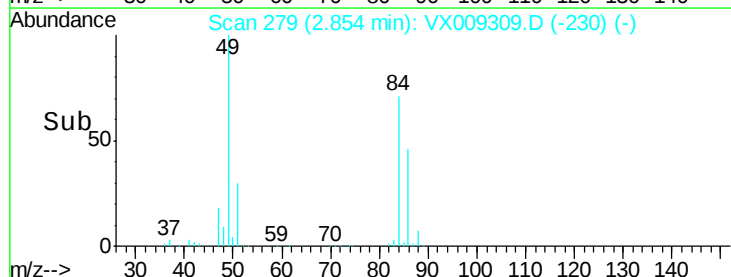
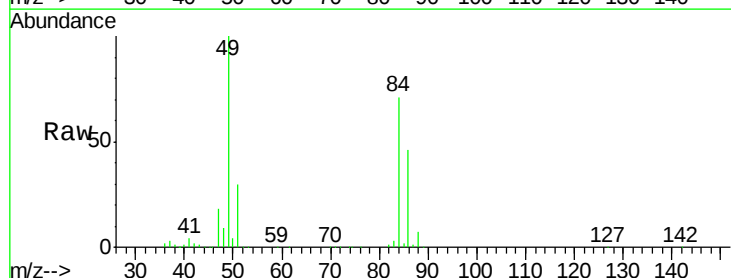
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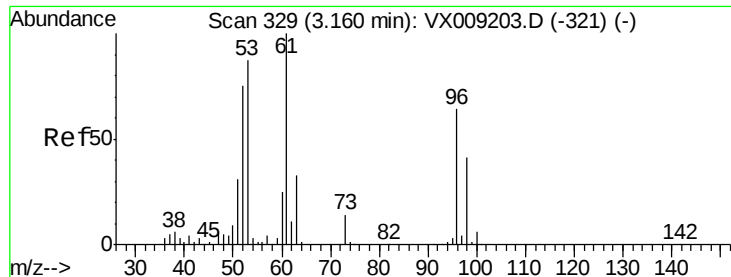
MMDadoda
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#20
Methylene Chloride
Concen: 44.540 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.5	109.9	164.9
51	41.4	32.7	49.1
86	64.7	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 45.882 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

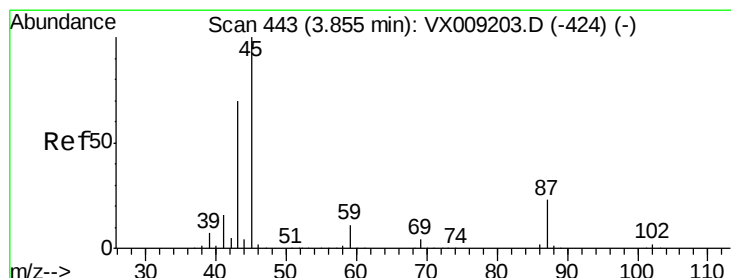
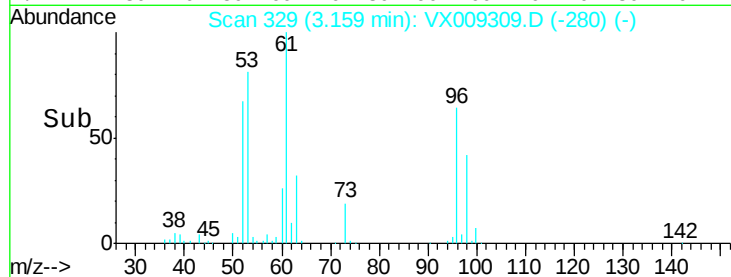
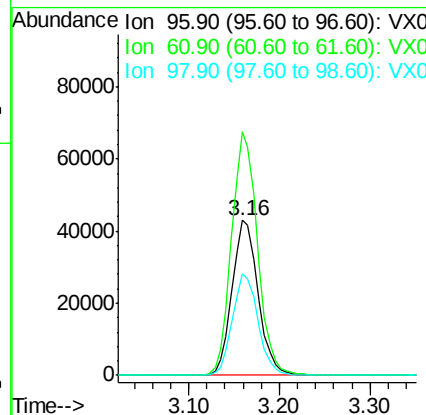
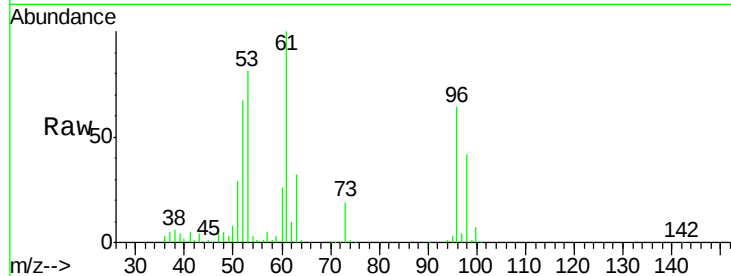
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	85625
Ion	Ratio	Lower	Upper
96	100		
61	156.9	124.5	186.7
98	65.2	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.202 ug/l

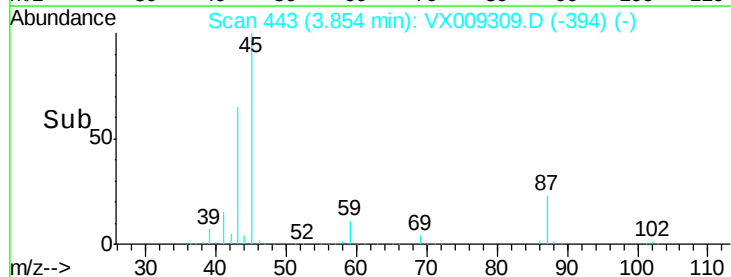
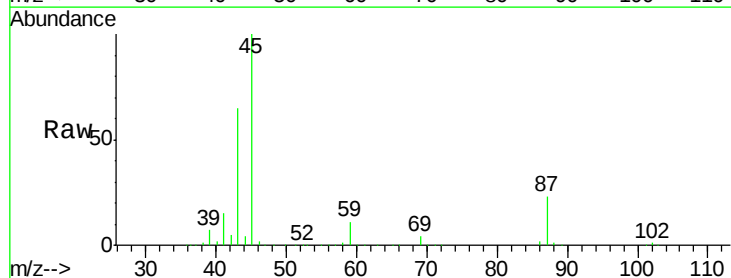
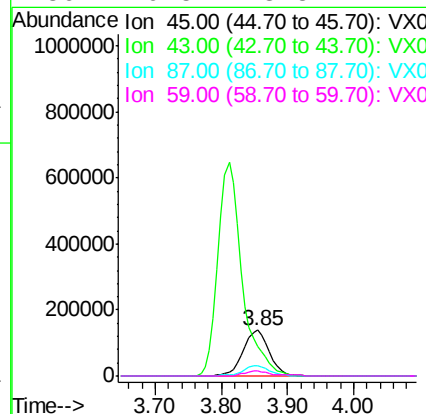
RT: 3.85 min Scan# 443

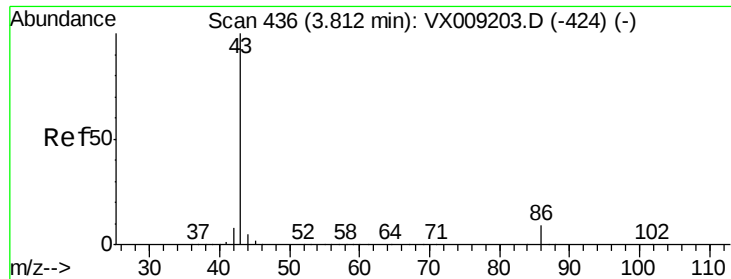
Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	45	Resp:	380670
Ion	Ratio	Lower	Upper
45	100		
43	64.4	56.1	84.1
87	22.9	18.1	27.1
59	10.5	8.5	12.7





#23

Vinyl Acetate

Concen: 240.325 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1659670

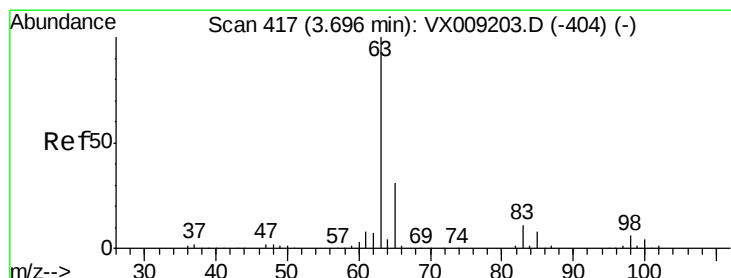
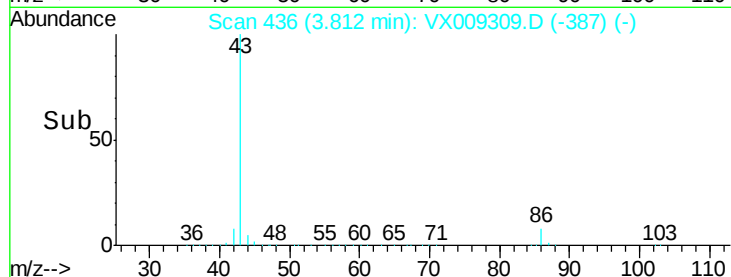
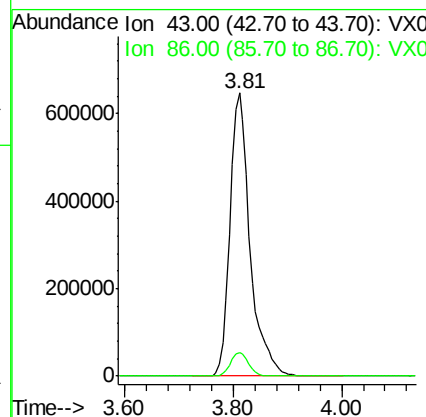
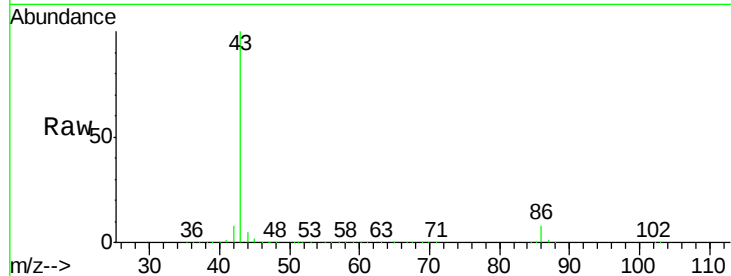
Ion Ratio Lower Upper

43 100

86 8.4 6.9 10.3

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 46.079 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

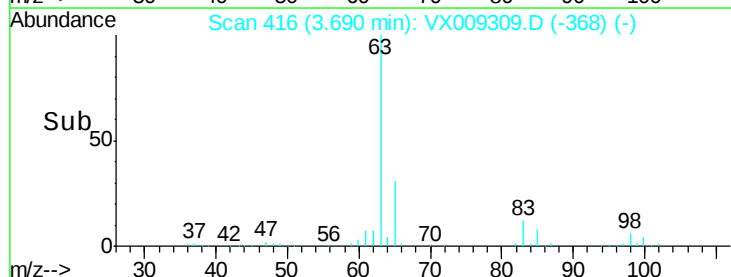
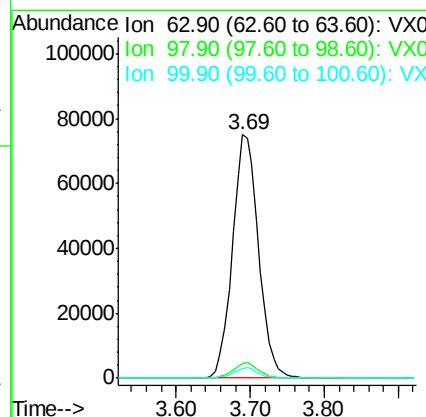
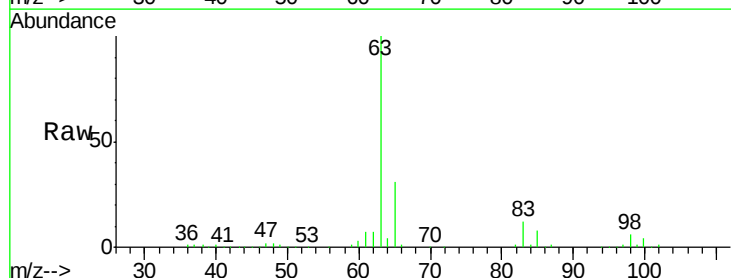
Tgt Ion: 63 Resp: 183321

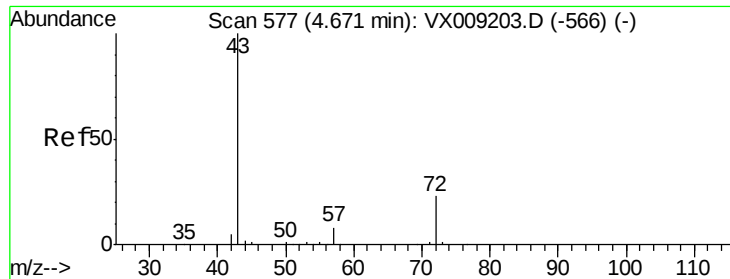
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 226.971 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 474153

Ion Ratio Lower Upper

43 100

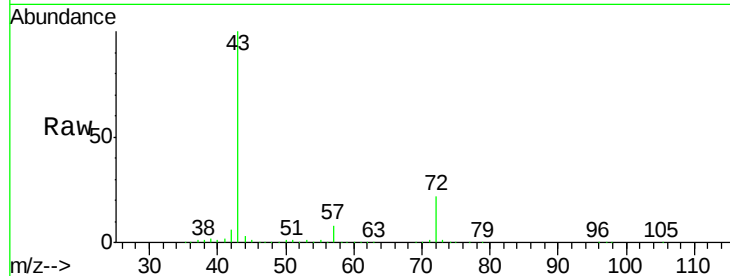
72 22.1 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

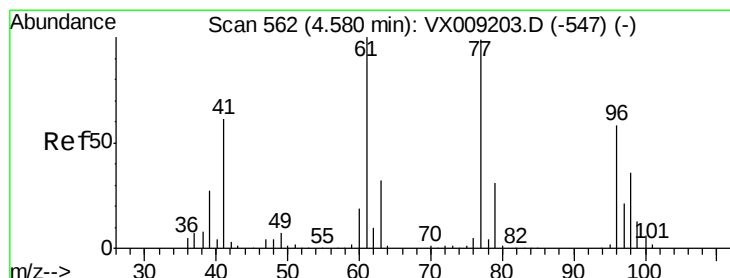
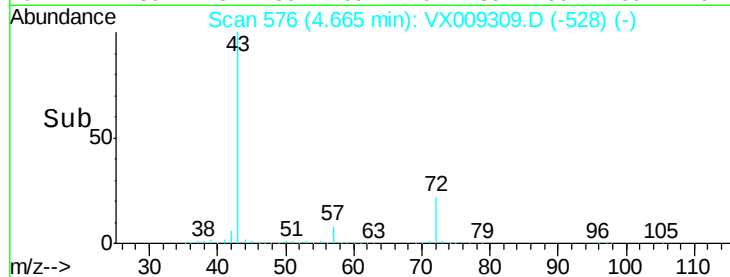
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.692 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009309.D

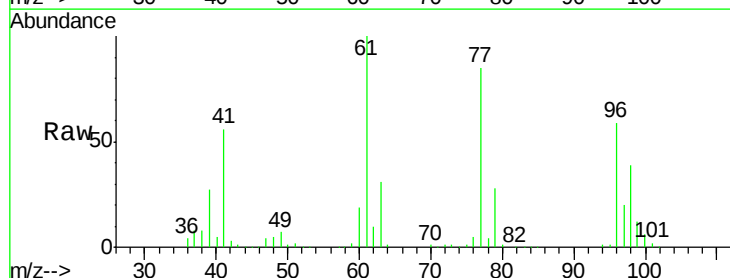
Acq: 03 May 2019 14:40

Tgt Ion: 77 Resp: 138270

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

50000

40000

30000

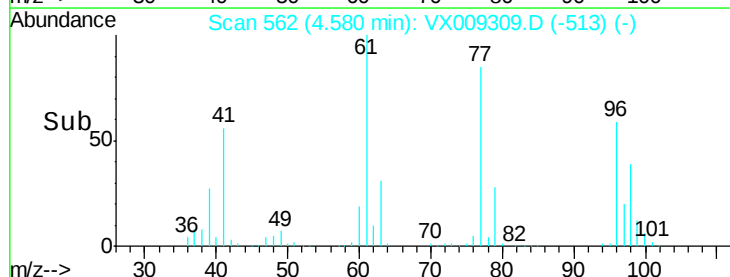
20000

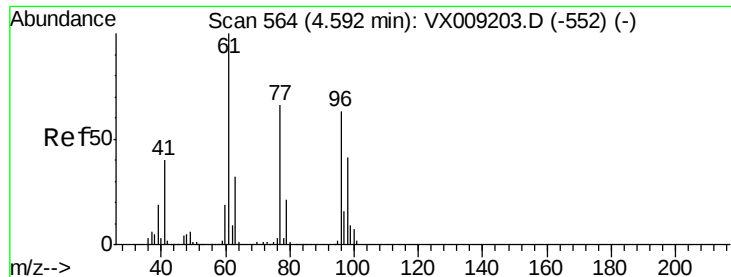
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

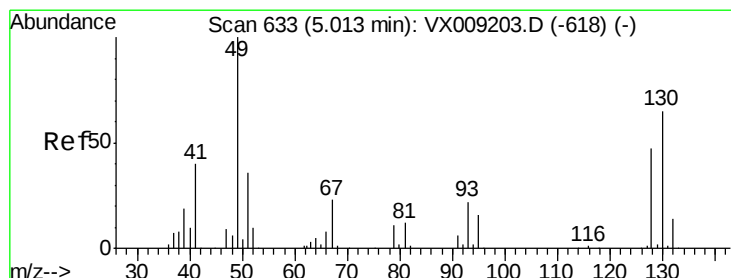
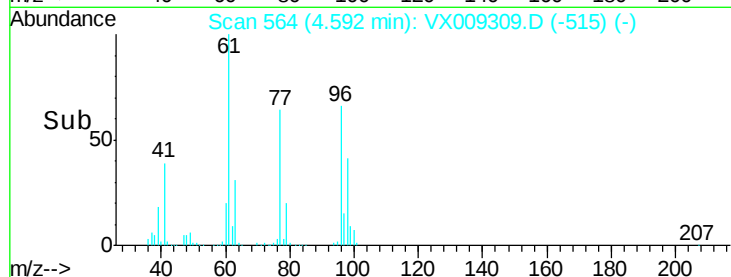
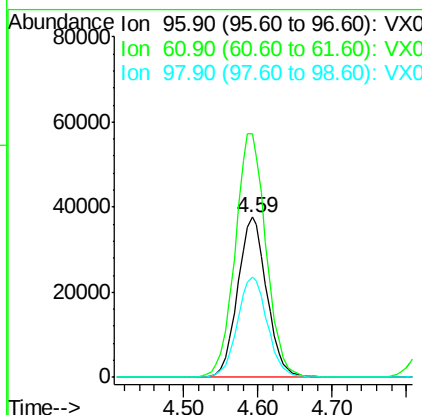
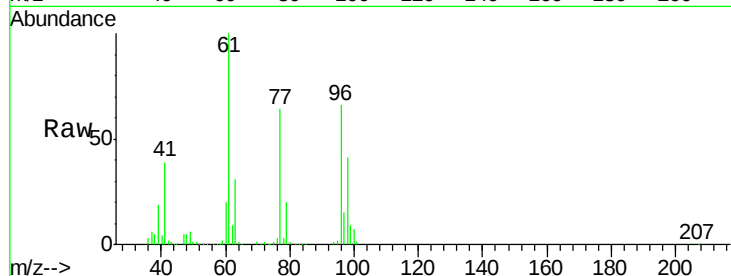
cis-1,2-Dichloroethene
Concen: 46.474 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.7	0.0	324.0	
98	64.4	0.0	130.4	

Manual Integrations
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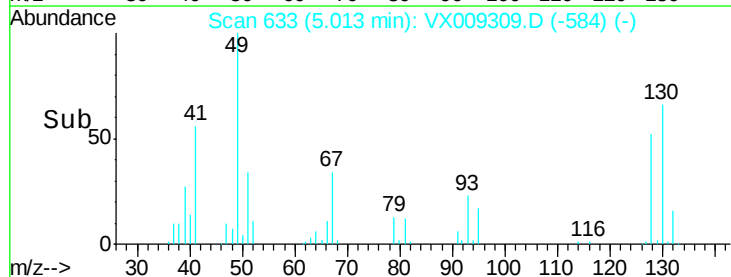
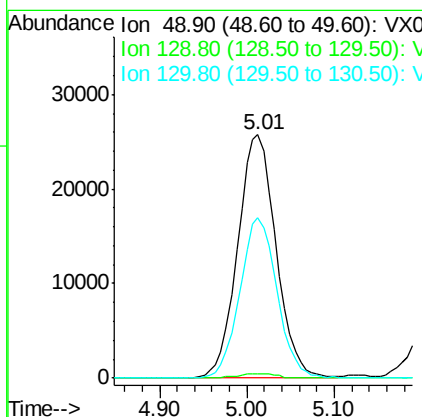
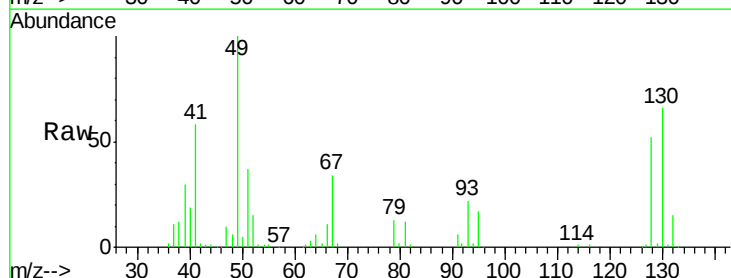
MMDadoda
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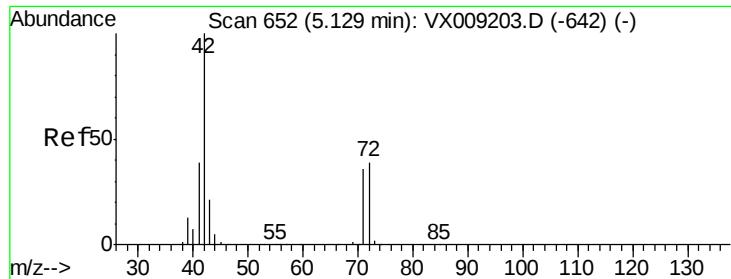


#28

Bromochloromethane
Concen: 48.819 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	63.8	51.2	76.8	





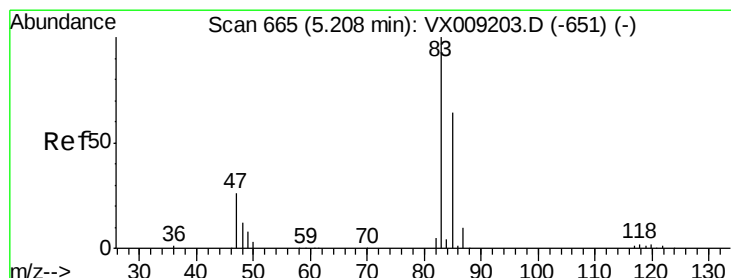
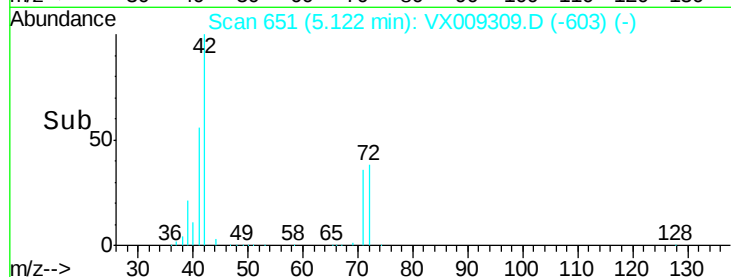
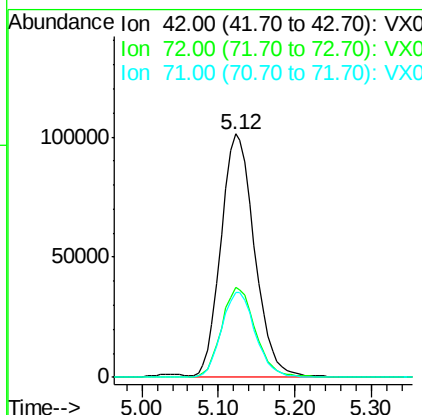
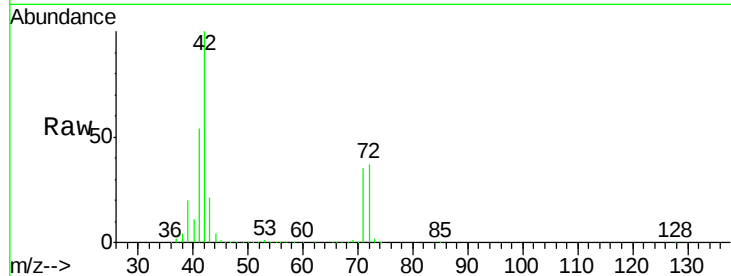
#29
Tetrahydrofuran
Concen: 227.625 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.4	45.6
71	35.3	28.6	43.0

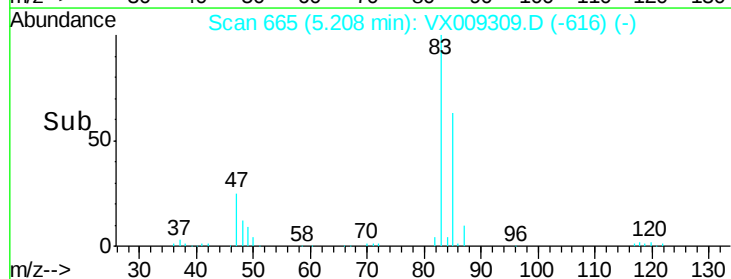
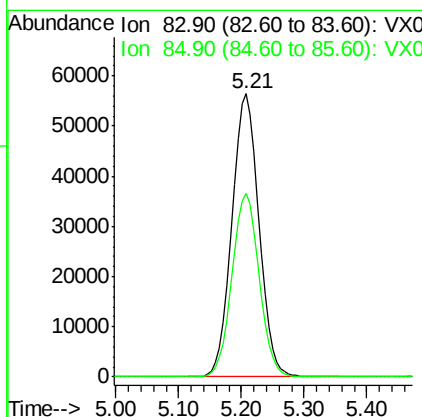
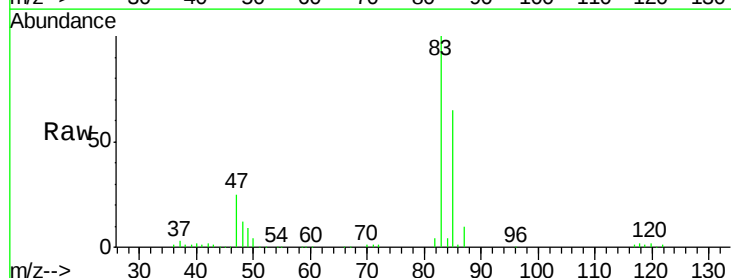
Manual Integrations
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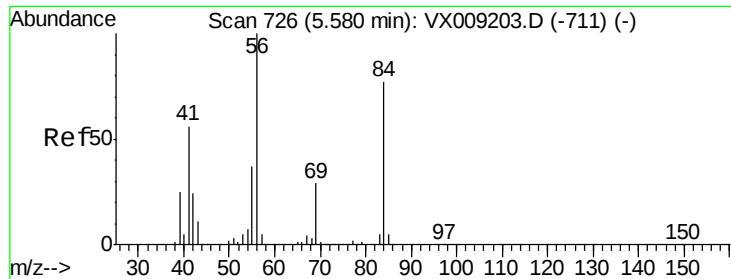
MMDadoda
5/6/2019 9:24:44 AM



#30
Chloroform
Concen: 46.878 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





#31

Cyclohexane

Concen: 47.611 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

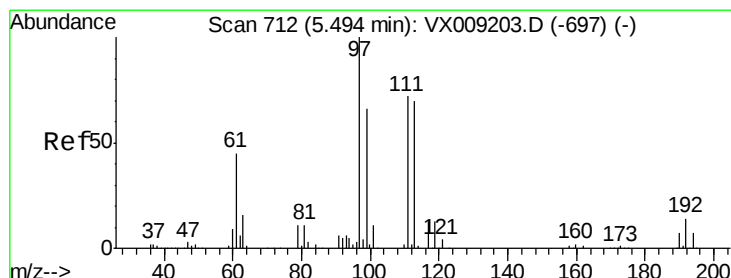
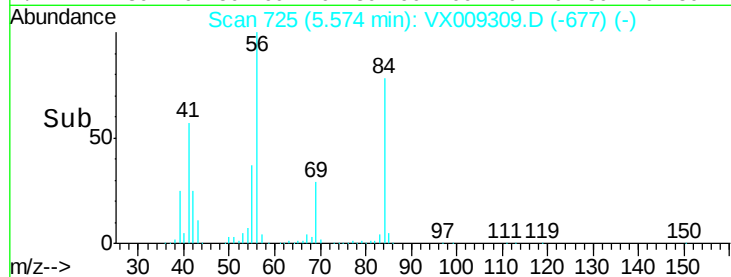
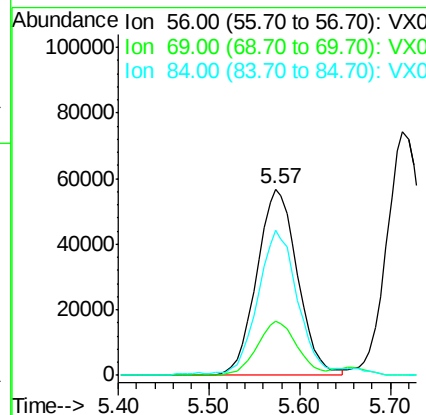
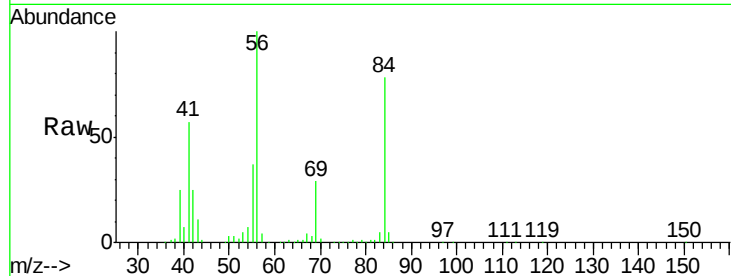
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	176227
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.4	35.0
84	76.6	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.406 ug/l

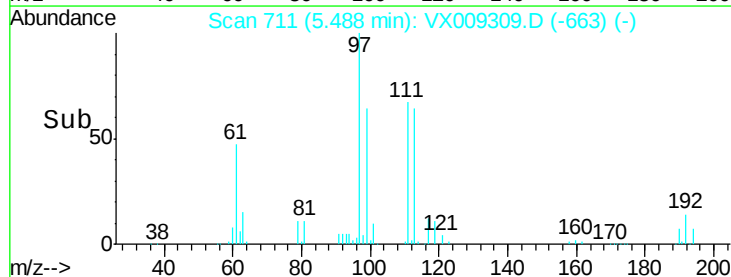
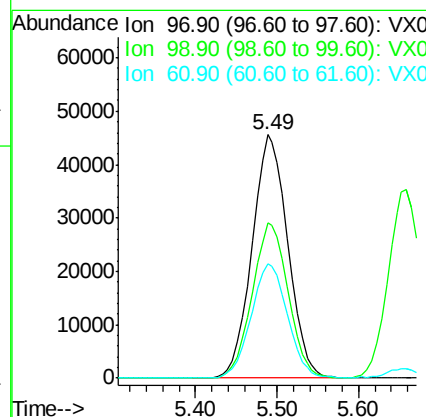
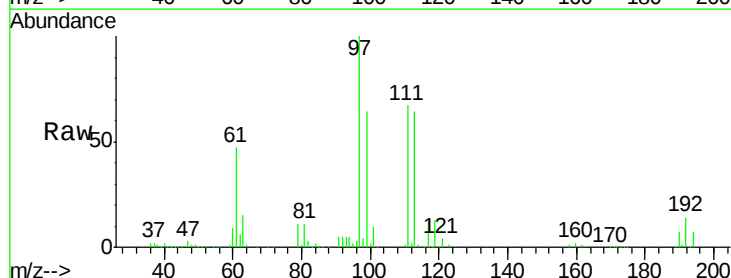
RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	97	Resp:	139004
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	48.0	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 48.342 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tot Ion: 65 Resp: 121029

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.6

Instrument :

MSVOA_X

ClientSampled :

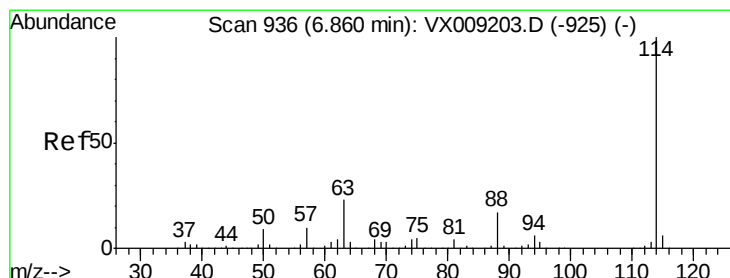
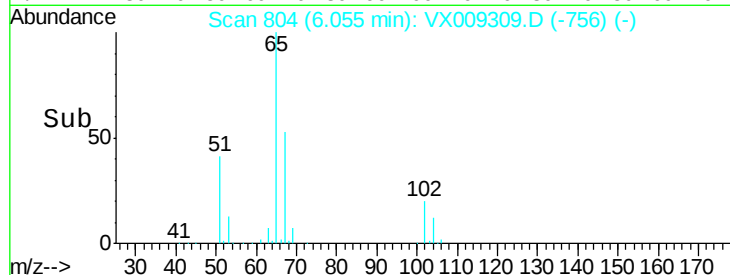
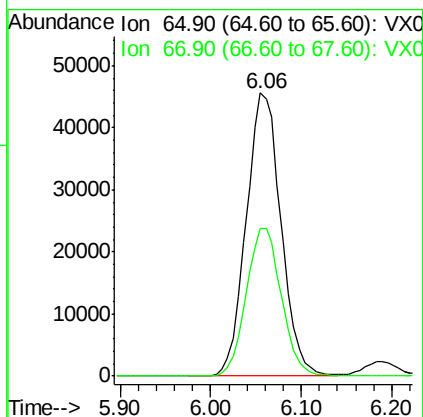
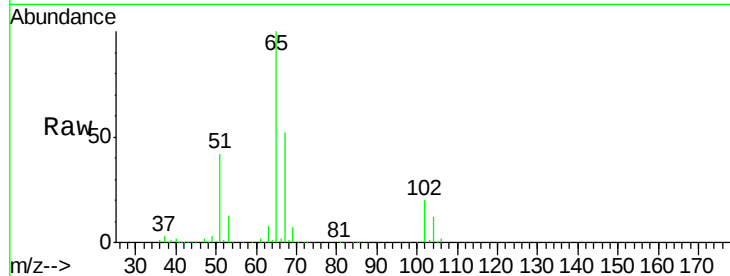
VSTDCCC050

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

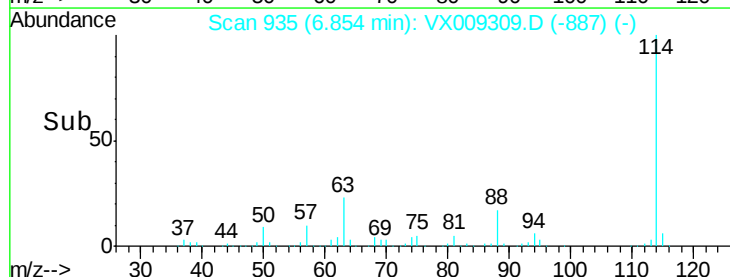
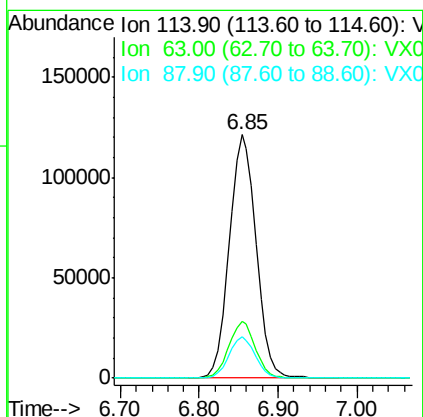
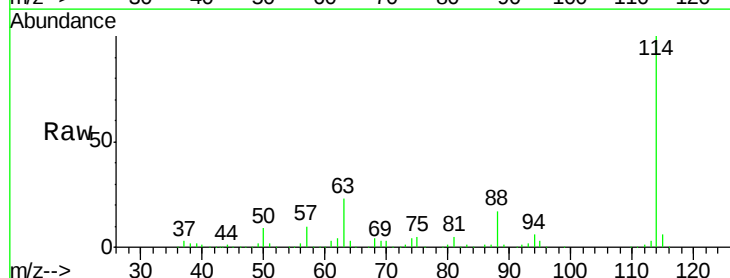
Tgt Ion: 114 Resp: 286388

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.6

88 17.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.177 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

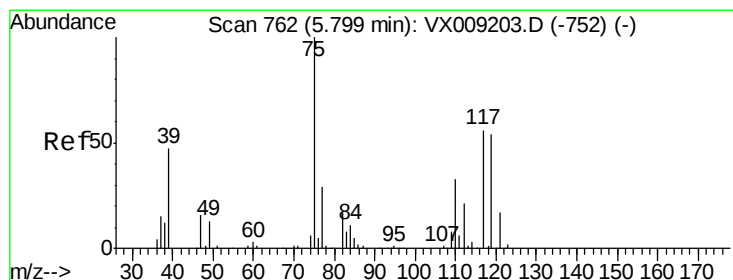
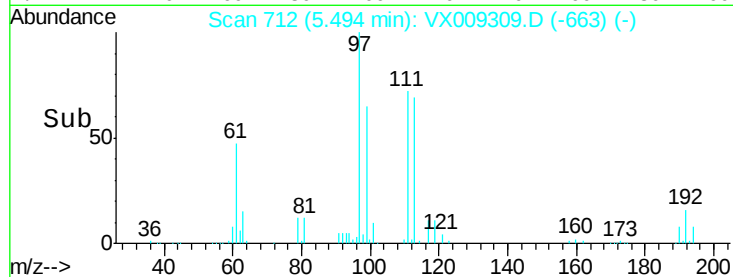
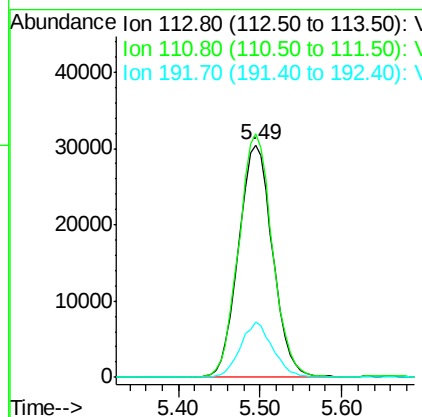
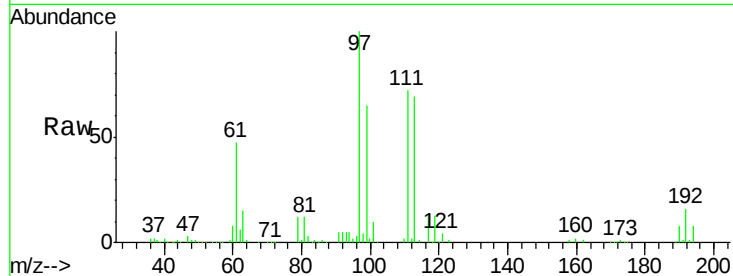
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	88536
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.8	124.2
192	22.3	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.713 ug/l

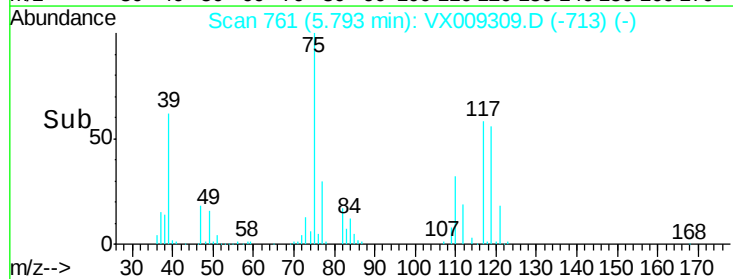
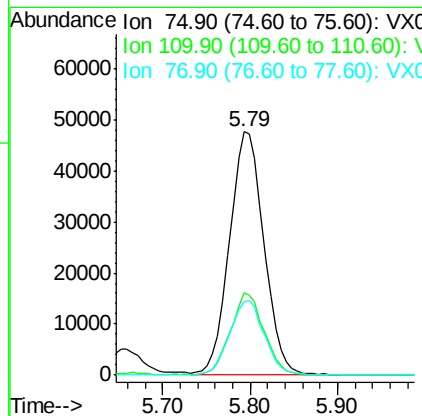
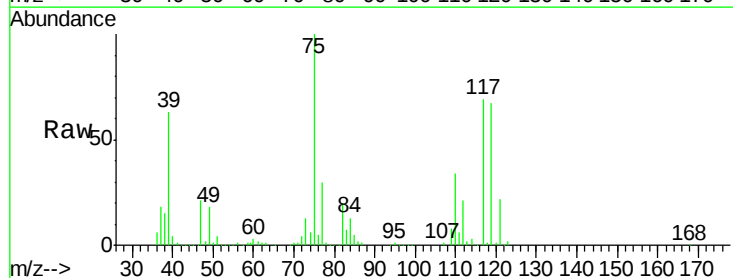
RT: 5.79 min Scan# 761

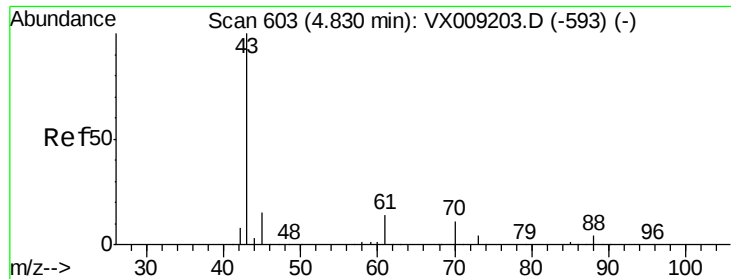
Delta R.T. -0.01 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	75	Resp:	129646
Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	31.1	24.8	37.2





#37

Ethyl Acetate

Concen: 46.982 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

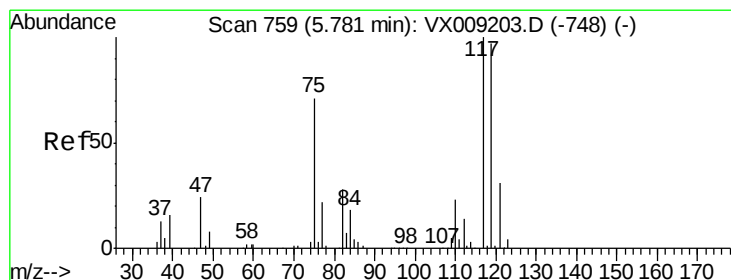
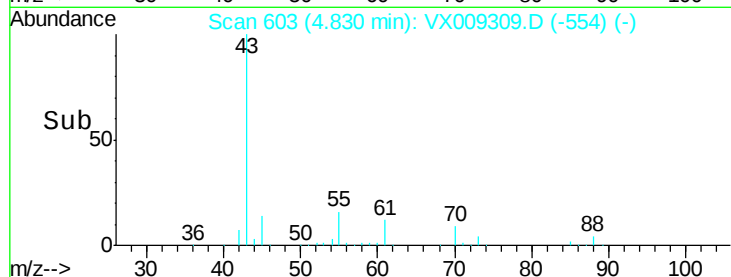
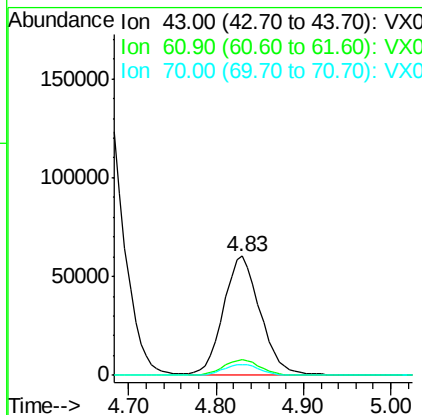
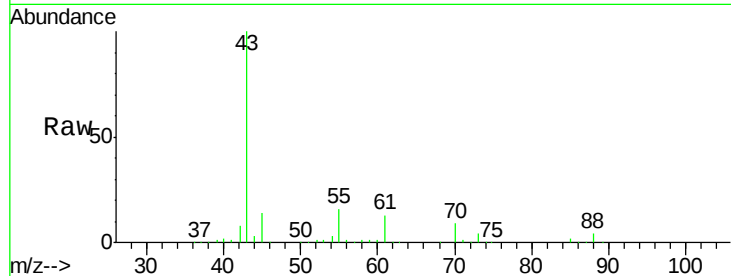
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	174217
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.5	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 48.094 ug/l

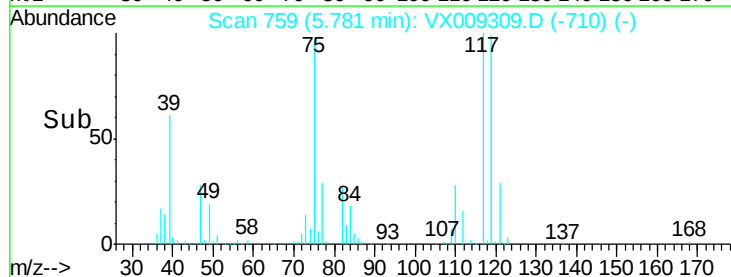
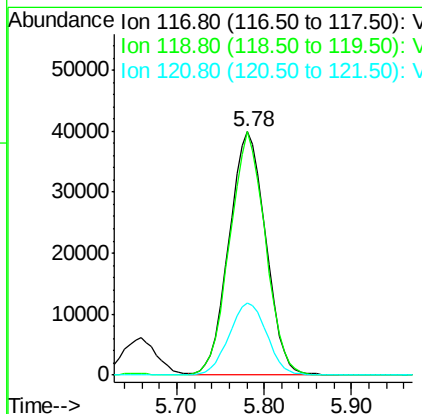
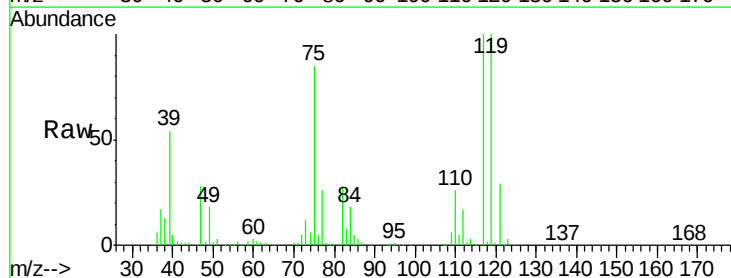
RT: 5.78 min Scan# 759

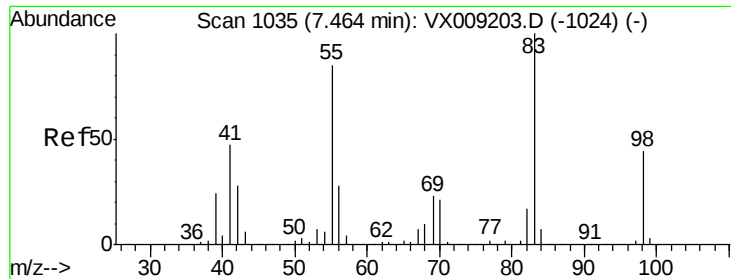
Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	117	Resp:	116295
Ion	Ratio	Lower	Upper
117	100		
119	99.7	77.5	116.3
121	29.4	24.7	37.1





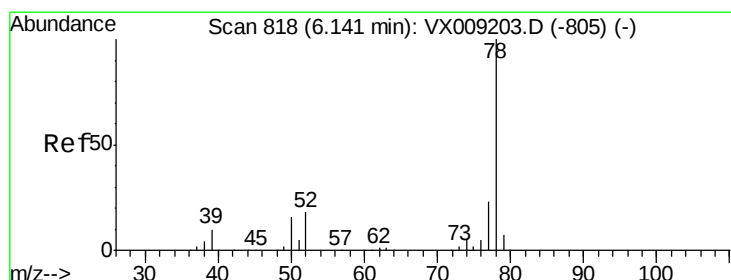
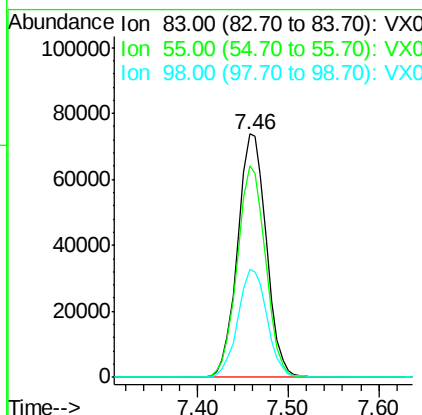
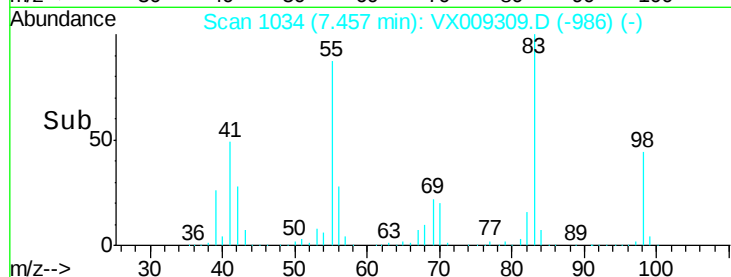
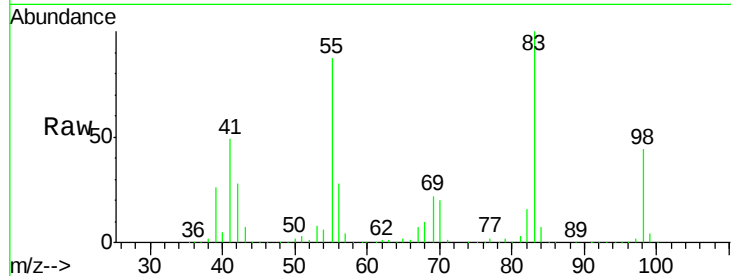
#39
Methvlcvclohexane
Concen: 49.675 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	162363		
55	86.8	67.7	101.5	
98	44.3	35.5	53.3	

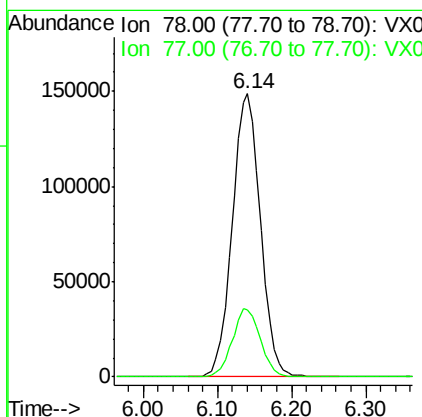
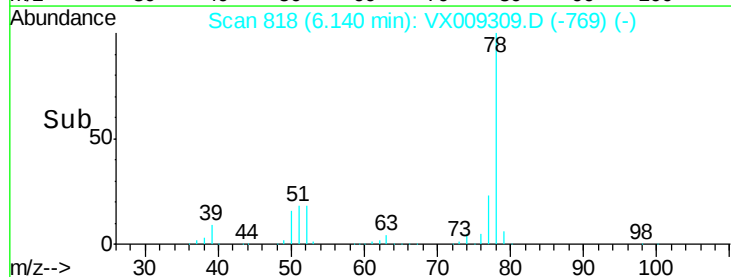
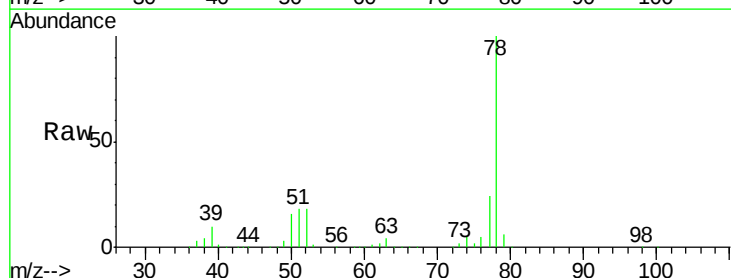
Manual Integrations
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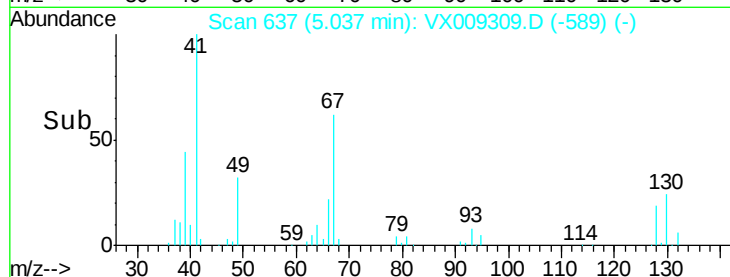
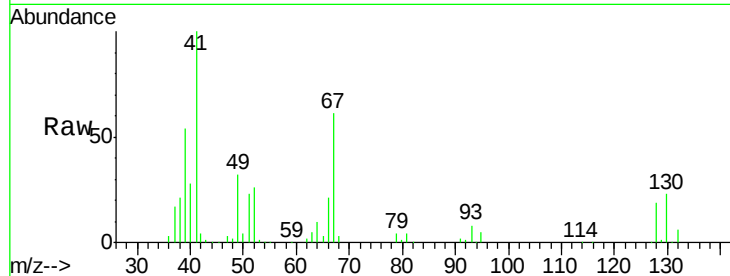
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#40
Benzene
Concen: 47.769 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	393462		
77	23.7	18.8	28.2	





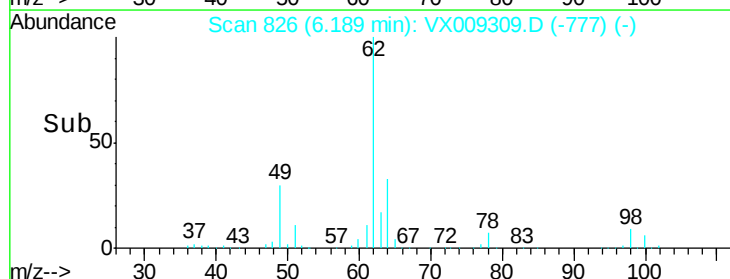
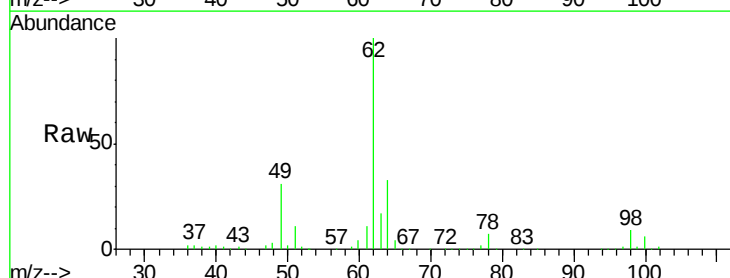
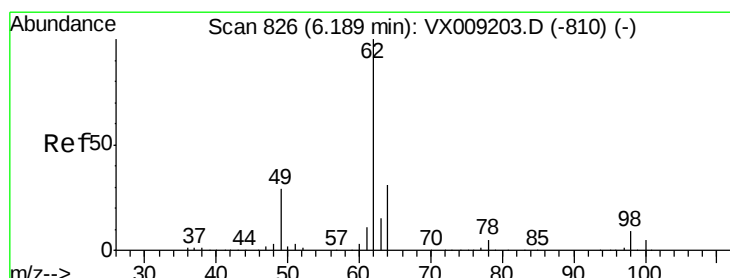
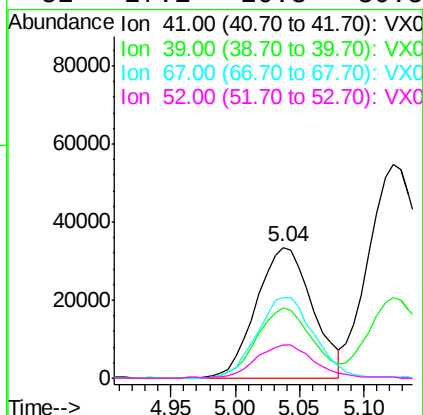
#41
Methacrylonitrile
Concen: 45.852 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		101212		
39	53.0	42.0	63.0		
67	63.4	49.8	74.8		
52	27.1	20.3	30.5		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

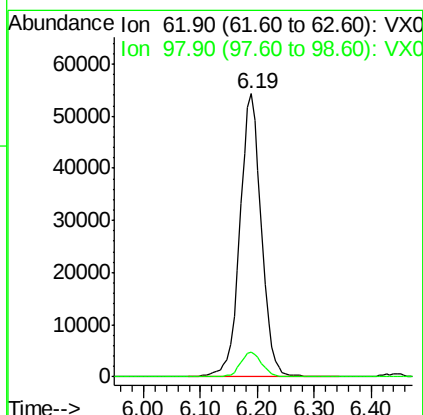
Manual Integrations
APPROVED

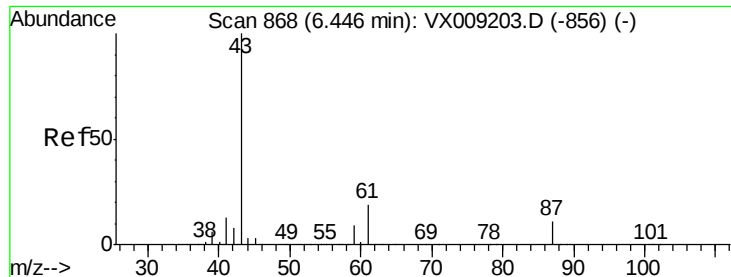
MMDadoda
5/6/2019 9:24:44 AM



#42
1,2-Dichloroethane
Concen: 48.428 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		143088		
98	8.8	0.0	18.2		





#43

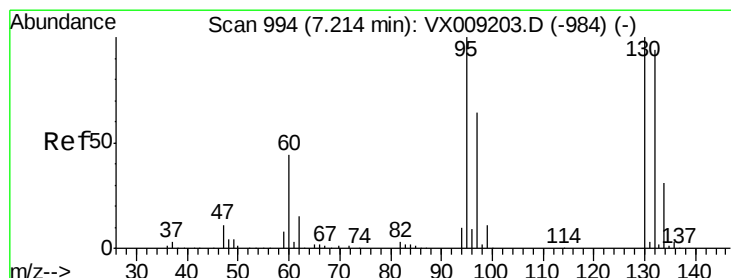
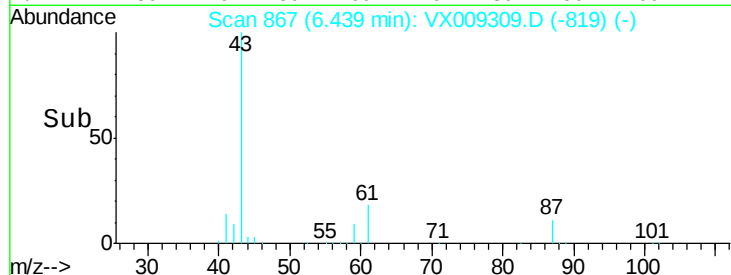
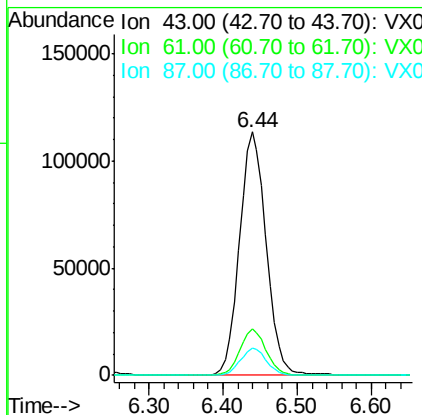
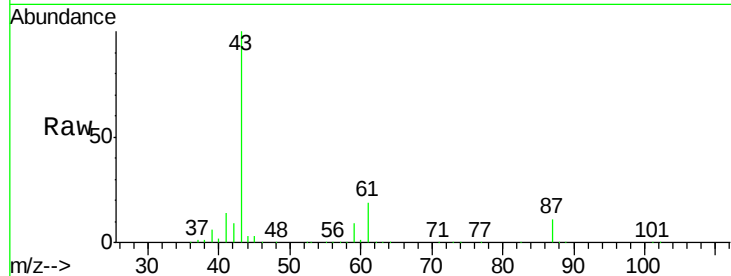
Isopropyl Acetate
 Concen: 48.019 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	11.1	9.0	13.6

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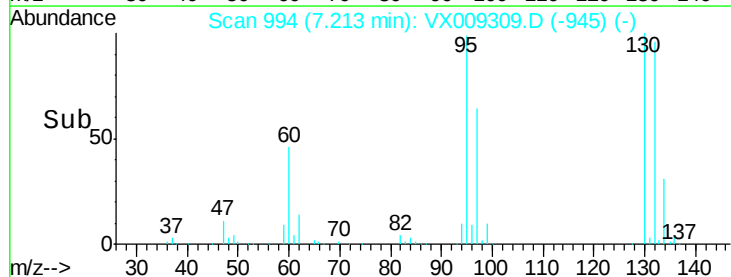
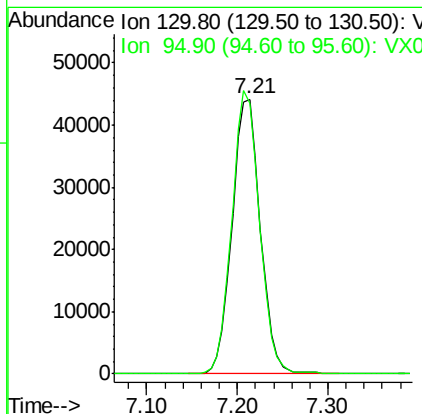
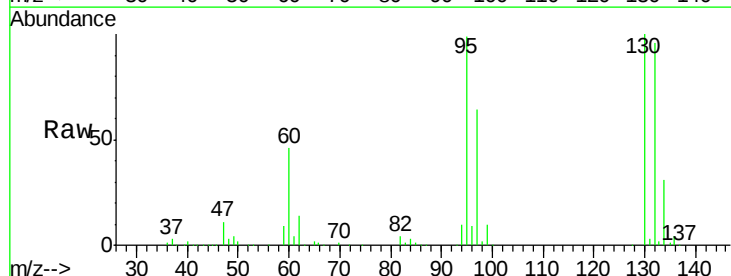
MMDadoda
 5/6/2019 9:24:44 AM

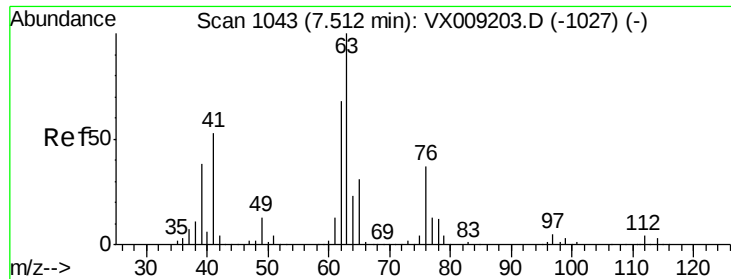


#44

Trichloroethene
 Concen: 47.991 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	199.2





#45

1,2-Dichloropropane

Concen: 48.460 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 113024

Ion Ratio Lower Upper

63 100

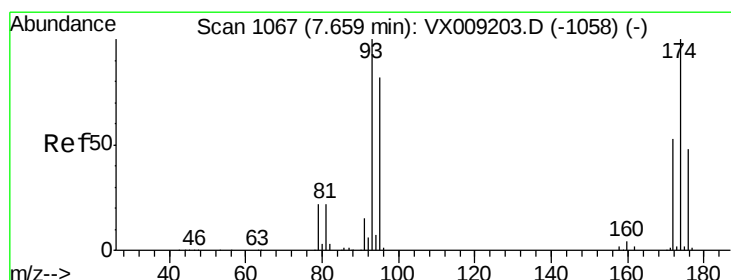
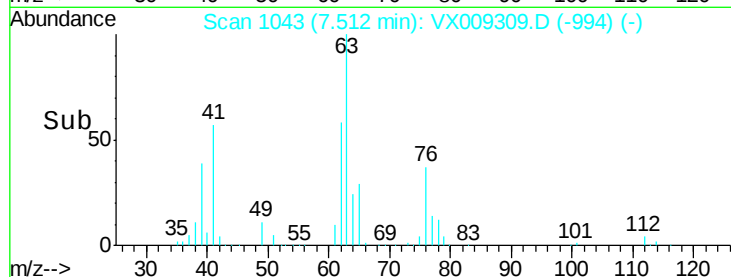
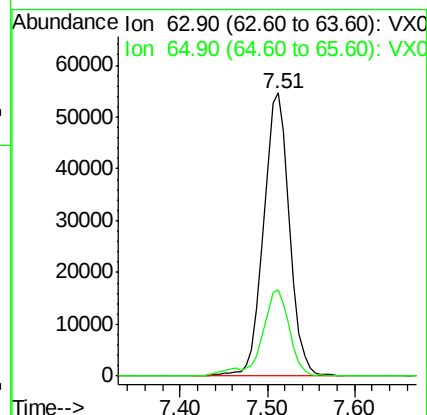
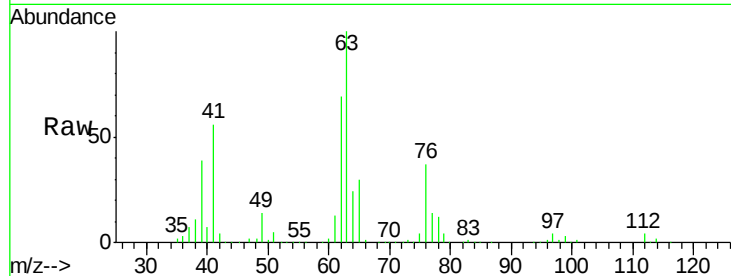
65 30.3 25.0 37.6

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#46

Dibromomethane

Concen: 46.781 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

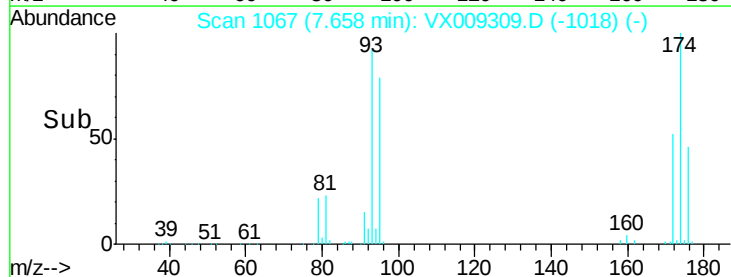
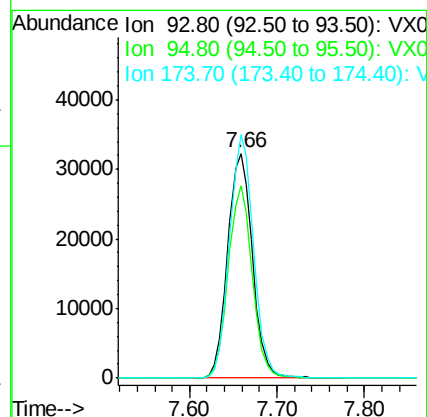
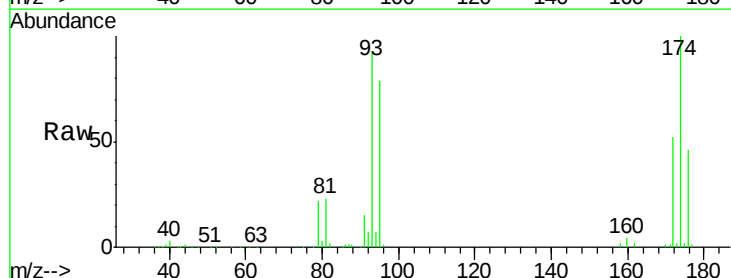
Tgt Ion: 93 Resp: 63360

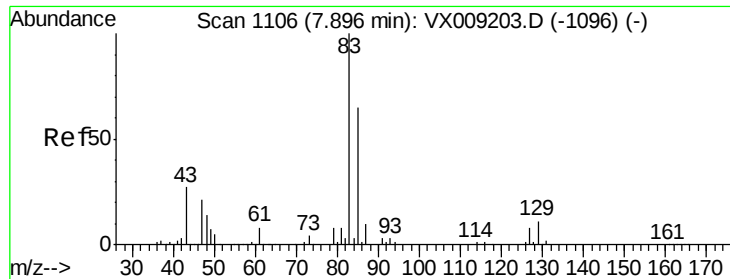
Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

174 105.3 82.1 123.1





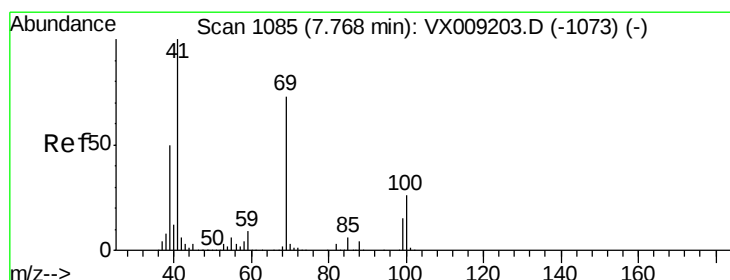
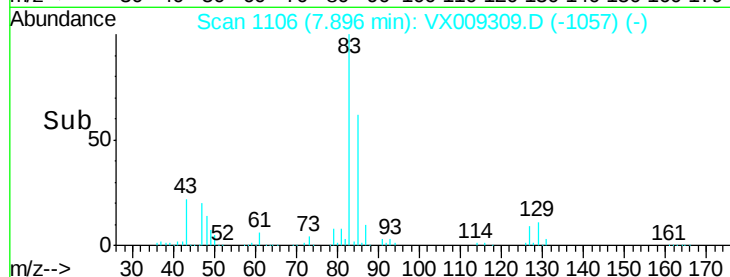
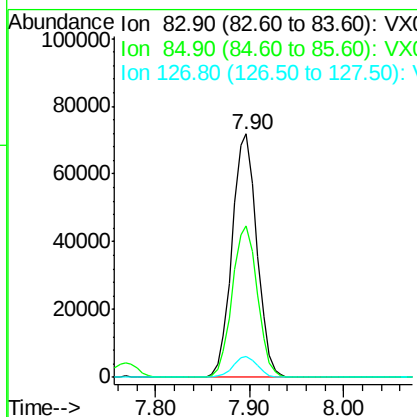
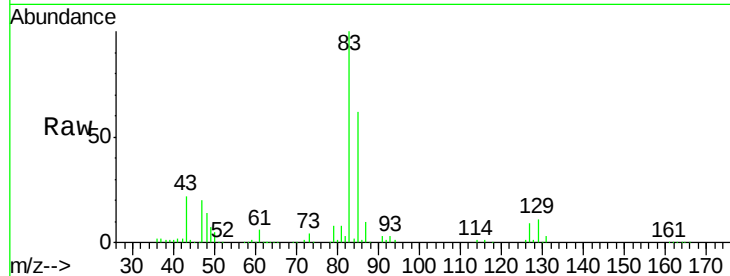
#47
Bromodichloromethane
Concen: 48.483 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	130984
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	52.4	78.6
127	8.5	6.6	10.0

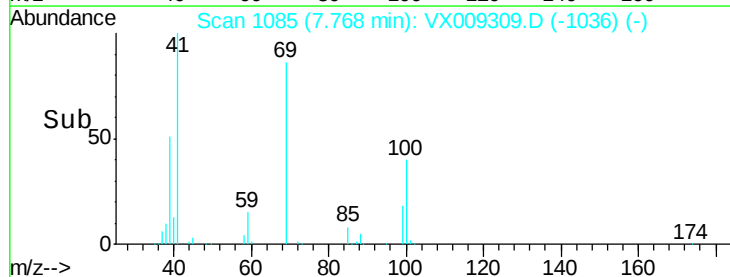
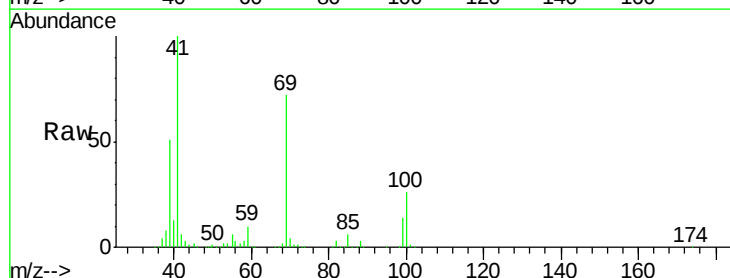
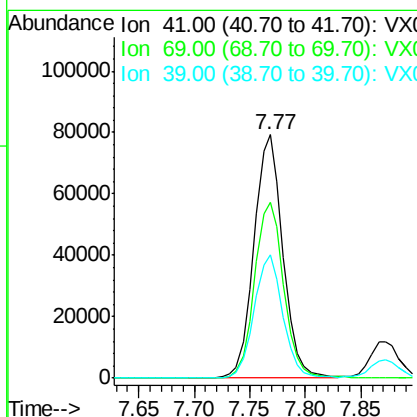
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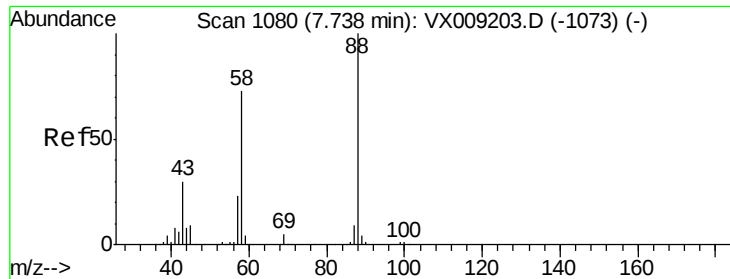
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#48
Methyl methacrylate
Concen: 48.609 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	41	Resp	143042
Ion Ratio	100	Lower	Upper
41	100		
69	73.6	59.1	88.7
39	50.2	40.4	60.6





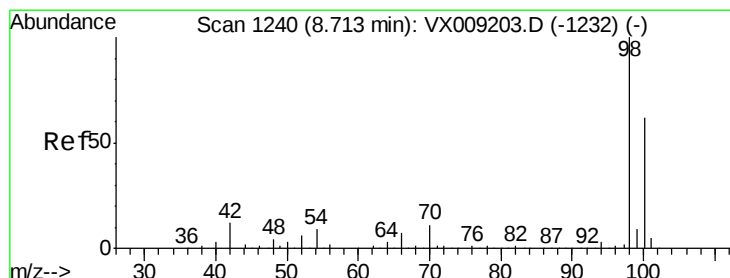
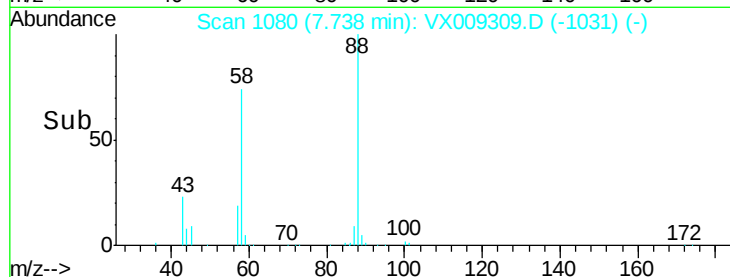
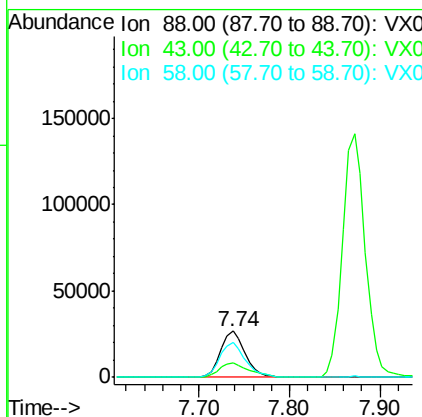
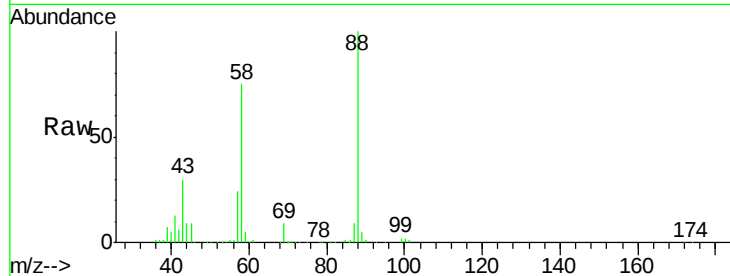
#49
1,4-Dioxane
Concen: 864.823 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	42.8
58	78.0	61.7	92.5

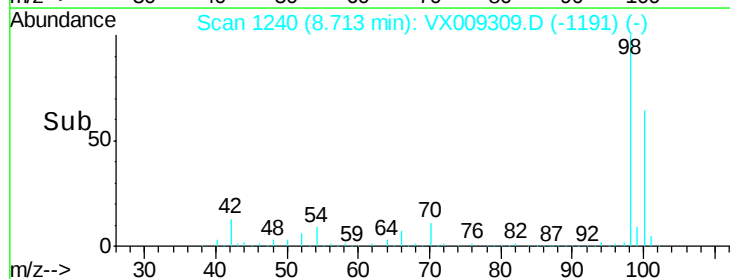
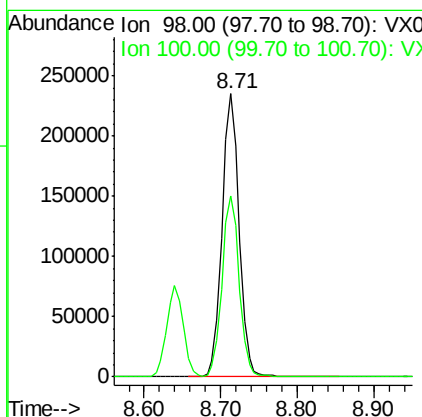
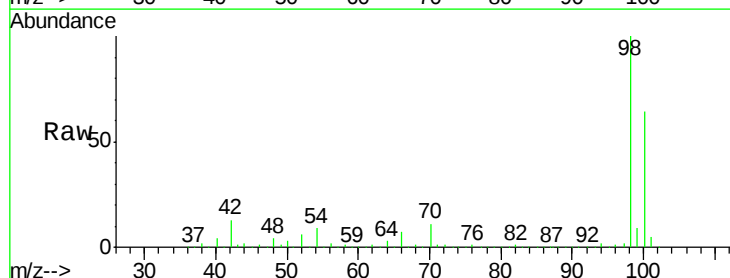
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#50
Toluene-d8
Concen: 49.857 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





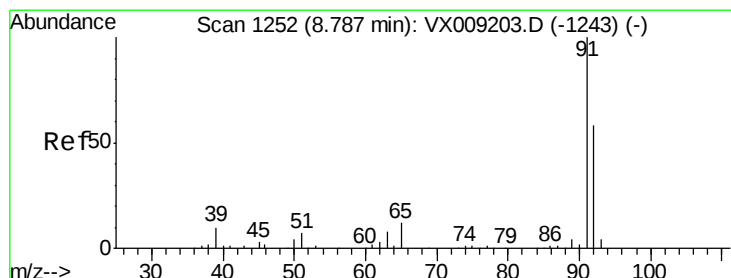
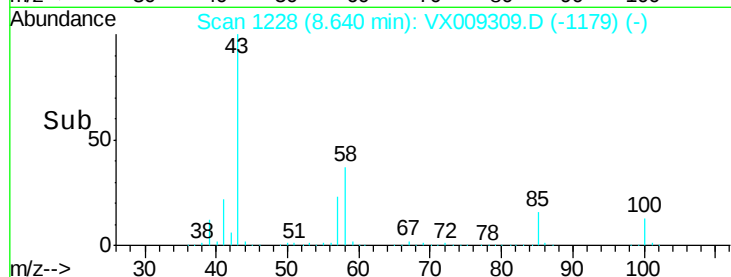
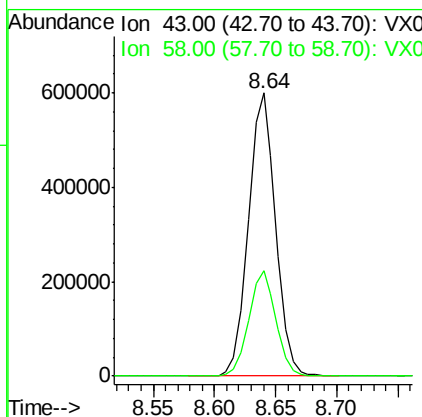
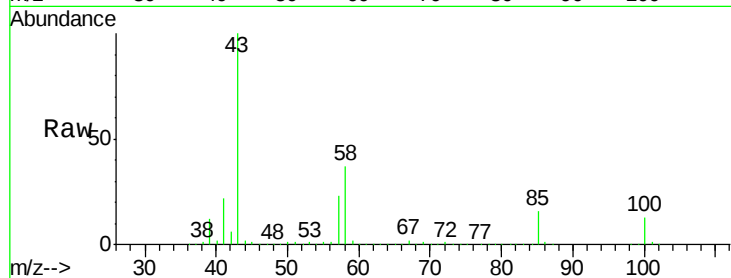
#51
4-Methyl-2-Pentanone
Concen: 238.964 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.5	44.3

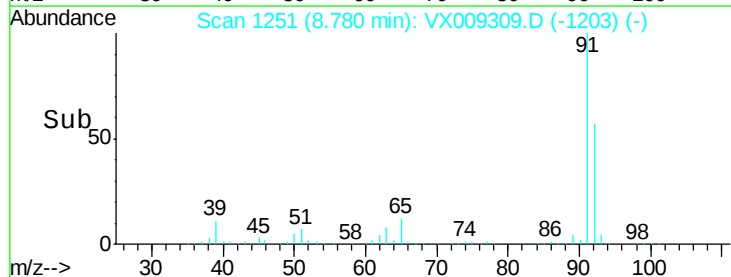
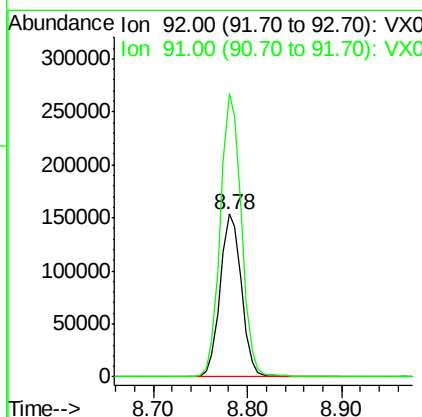
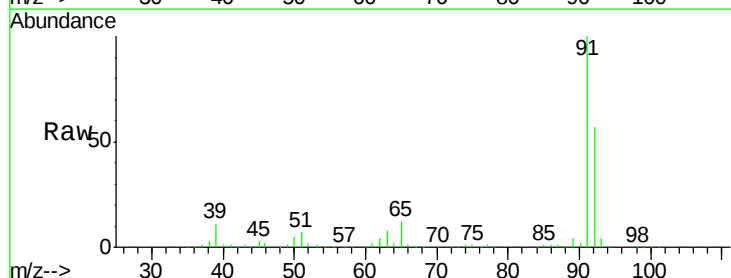
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#52
Toluene
Concen: 48.253 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	138.8	208.2





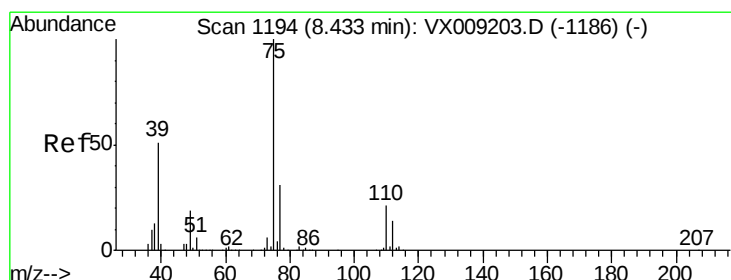
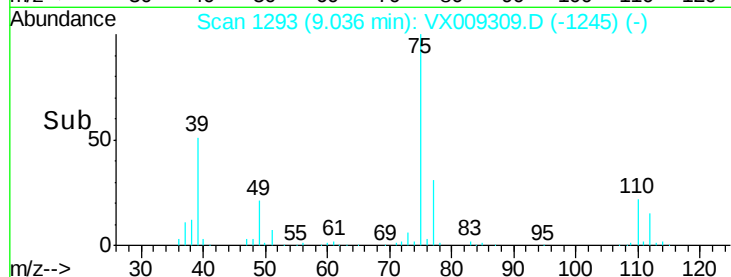
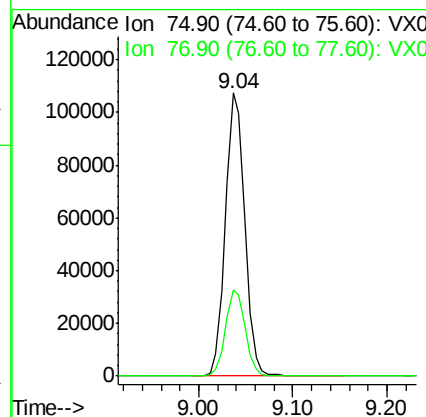
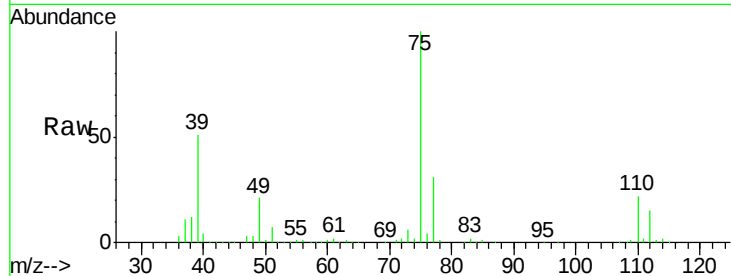
#53
t-1,3-Dichloropropene
Concen: 50.309 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 153452
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.6

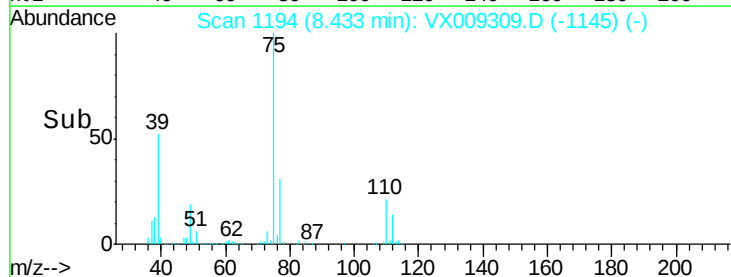
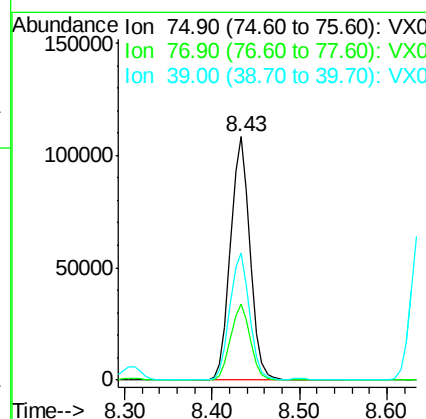
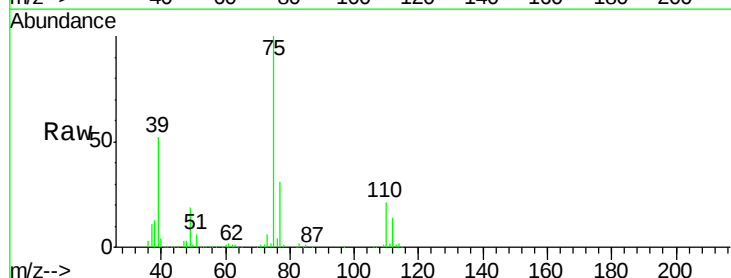
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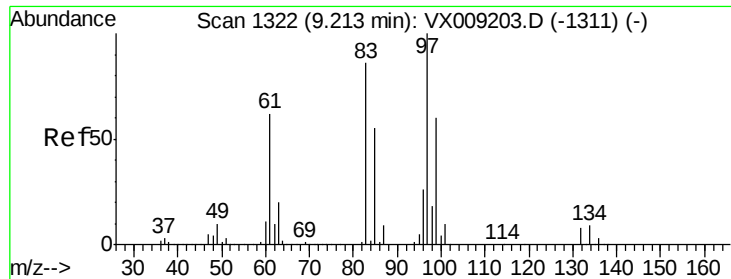
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#54
cis-1,3-Dichloropropene
Concen: 49.712 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion: 75 Resp: 167832
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 52.2 40.6 60.8





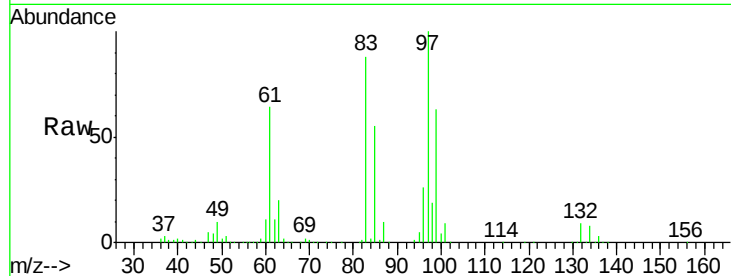
#55
 1,1,2-Trichloroethane
 Concen: 48.518 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

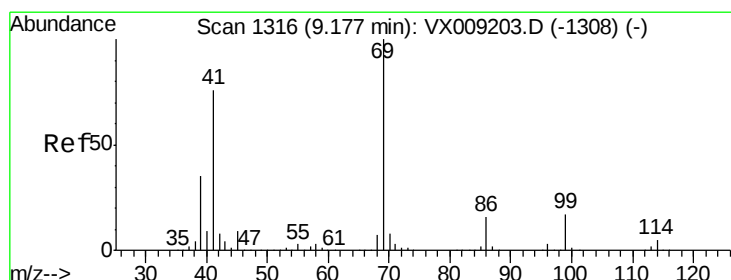
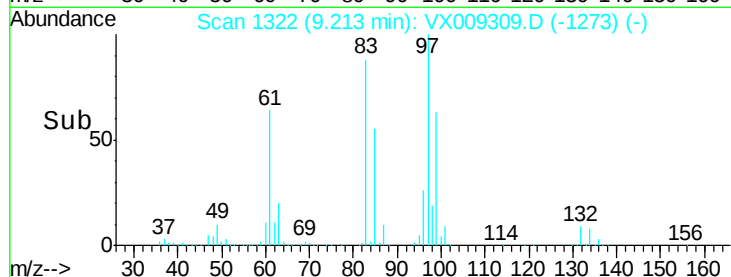
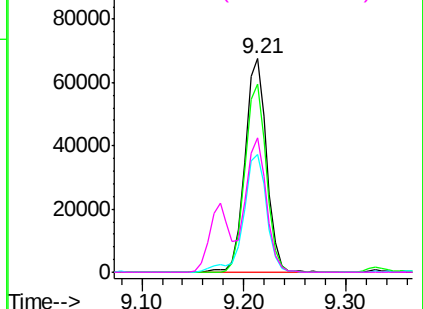
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		99106		
83	88.2	68.9	103.3		
85	55.3	43.8	65.6		
99	62.8	48.2	72.2		

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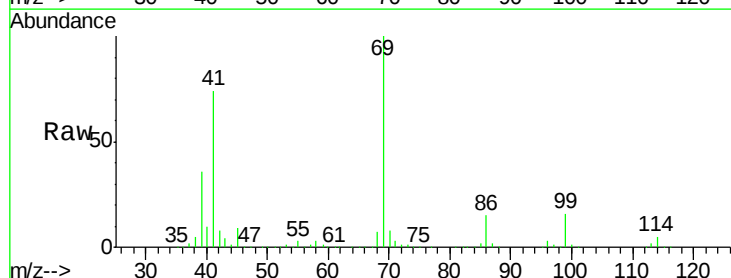


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

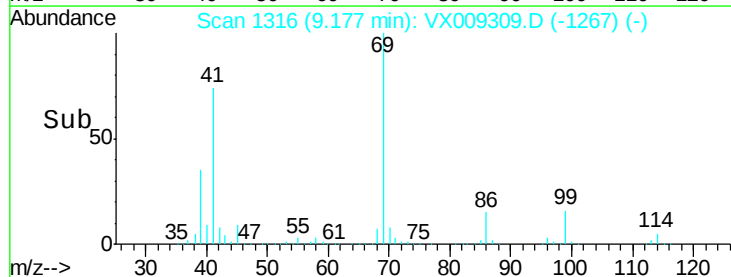
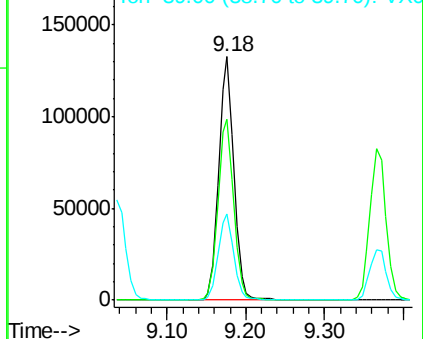


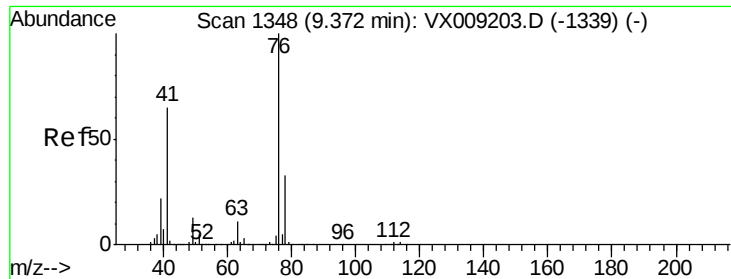
#56
 Ethyl methacrylate
 Concen: 48.952 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		178493		
41	76.5	60.6	90.8		
39	36.2	28.2	42.4		



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.136 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 173029

Ion Ratio Lower Upper

76 100

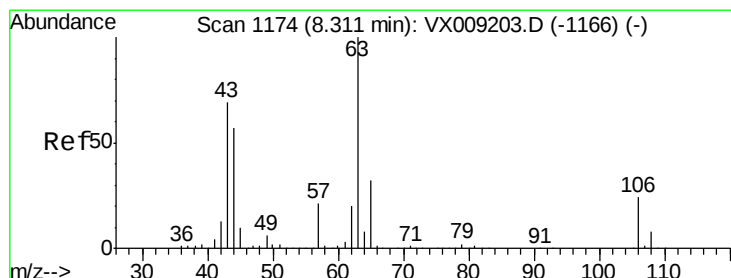
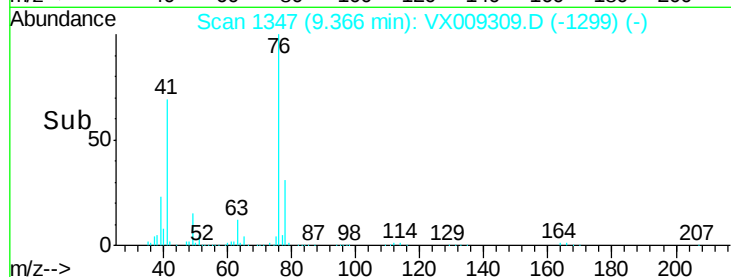
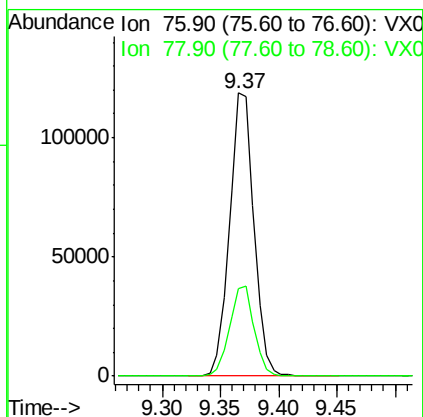
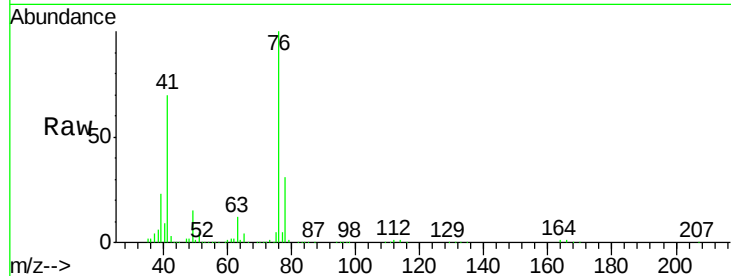
78 32.0 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 245.498 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009309.D

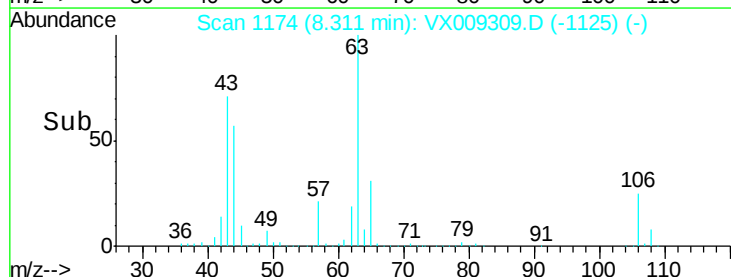
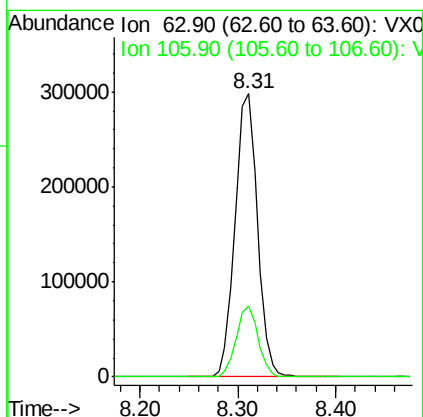
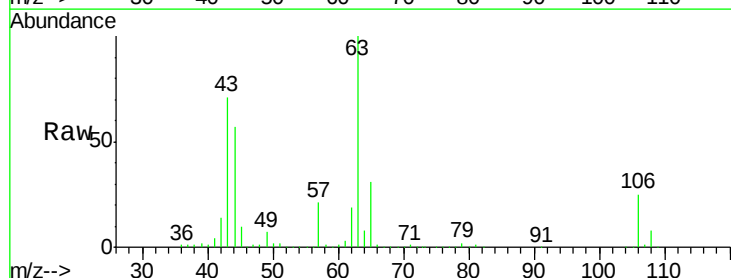
Acq: 03 May 2019 14:40

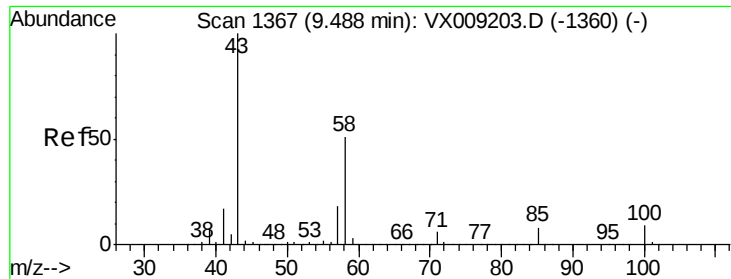
Tgt Ion: 63 Resp: 474875

Ion Ratio Lower Upper

63 100

106 24.8 19.7 29.5





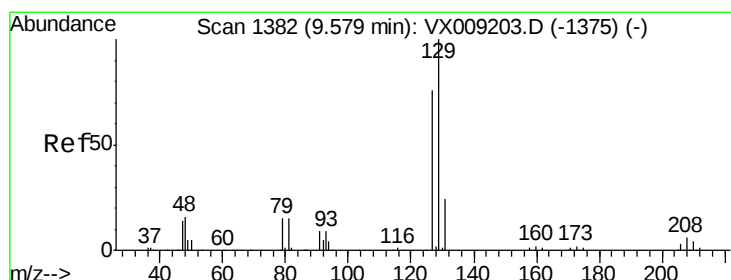
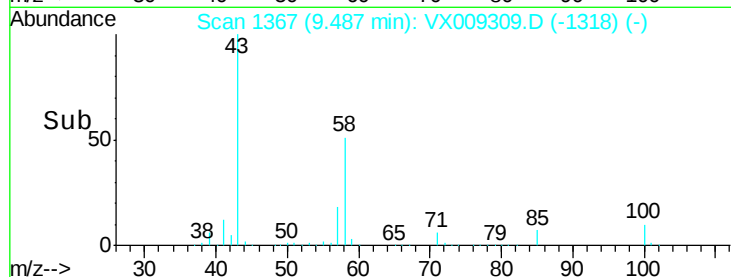
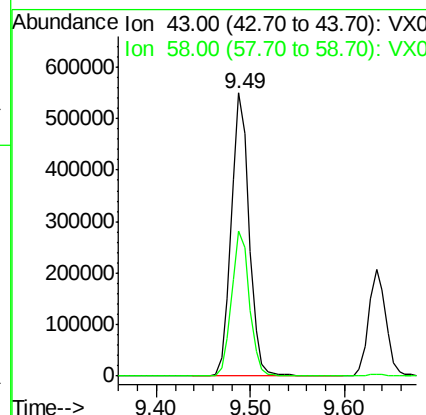
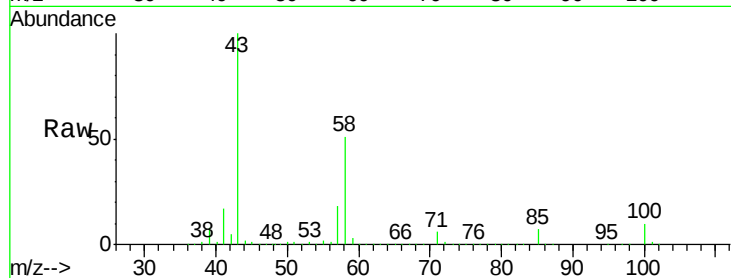
#59
2-Hexanone
Concen: 237.694 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 723749
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.7

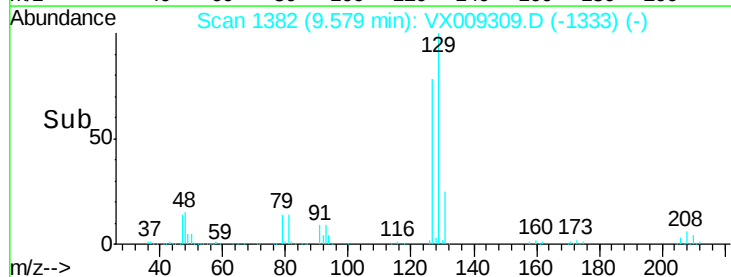
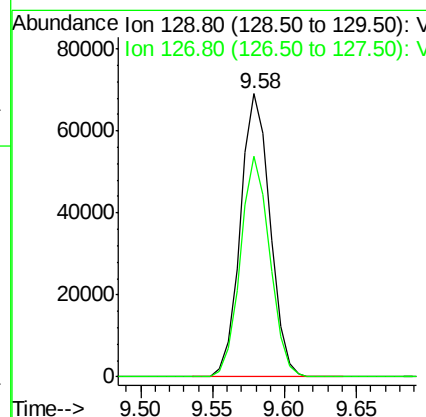
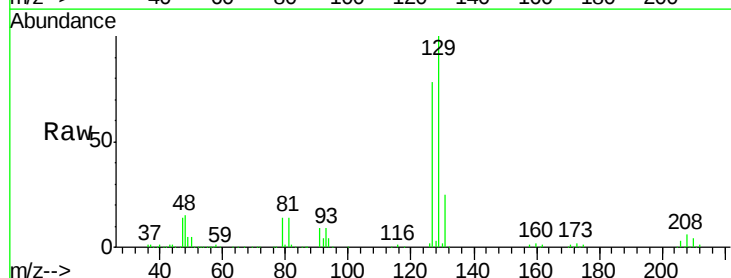
Manual Integrations
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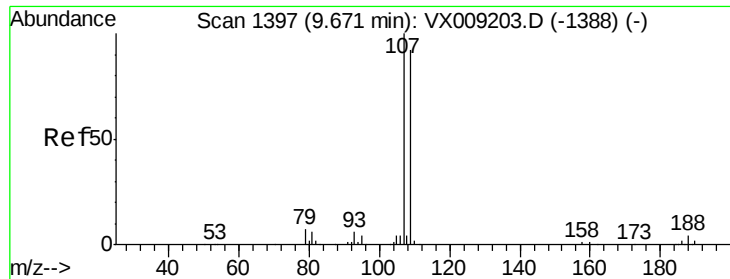
MMDadoda
5/6/2019 9:24:44 AM



#60
Dibromochloromethane
Concen: 49.661 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion: 129 Resp: 99075
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 48.637 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 100287

Ion Ratio Lower Upper

107 100

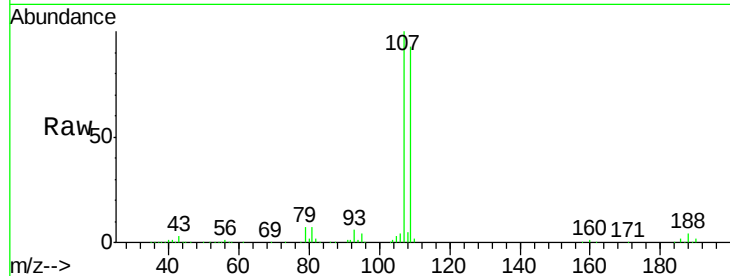
109 92.8 75.2 112.8

Manual Integrations

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5/6/2019 9:24:44 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

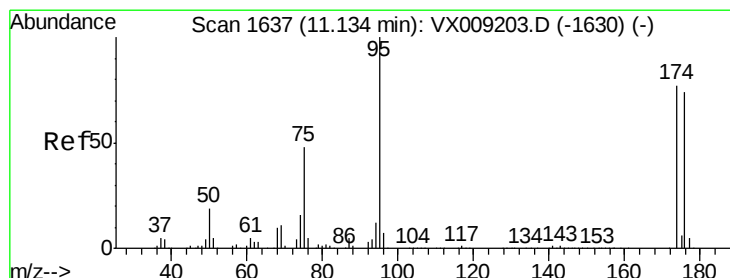
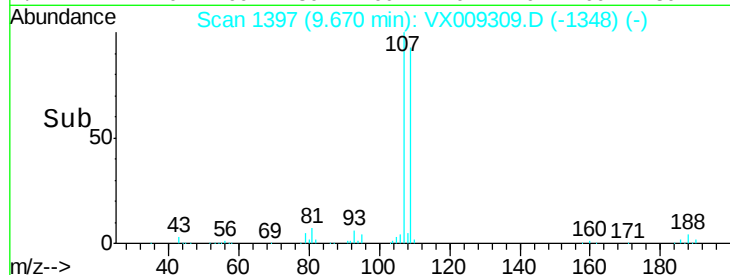
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.805 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

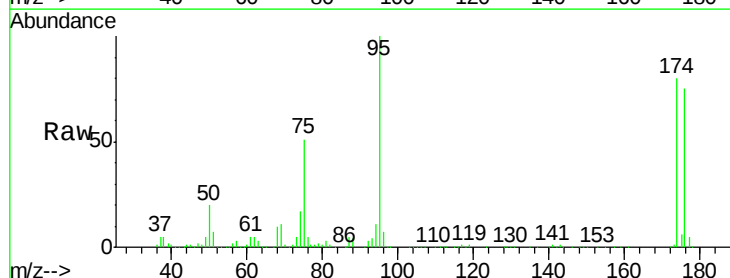
Tgt Ion: 95 Resp: 134180

Ion Ratio Lower Upper

95 100

174 80.7 0.0 161.6

176 78.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

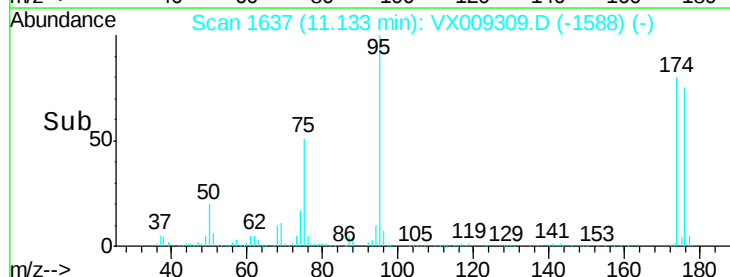
100000

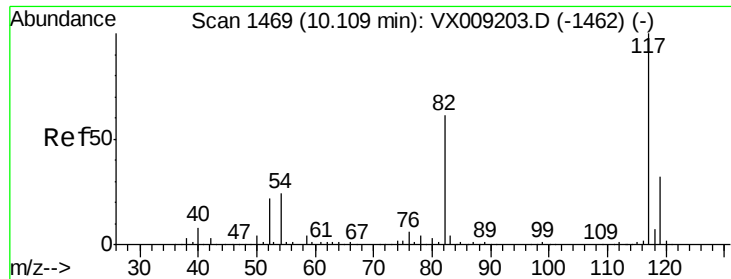
50000

0

11.10 11.15 11.20

Time-->





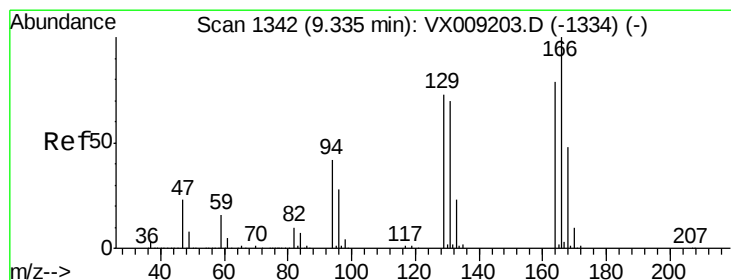
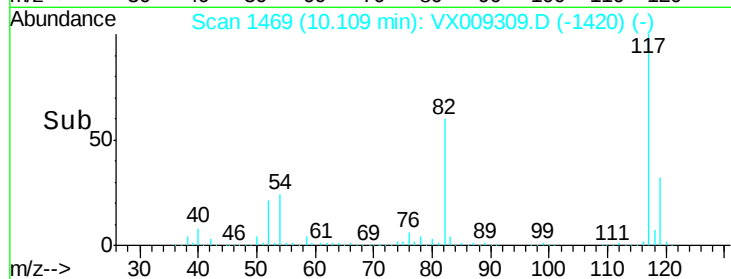
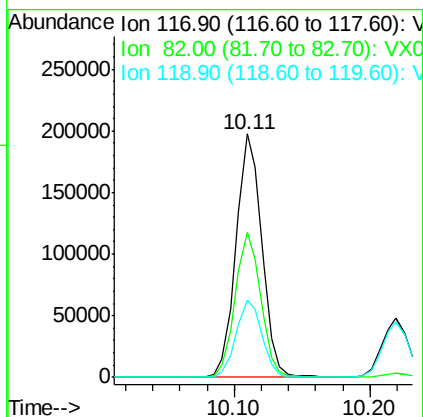
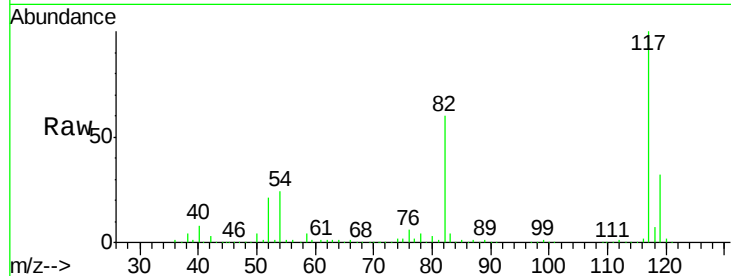
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.8	73.2
119	31.7	25.8	38.6

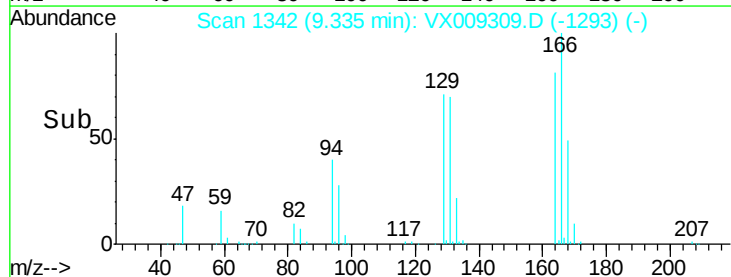
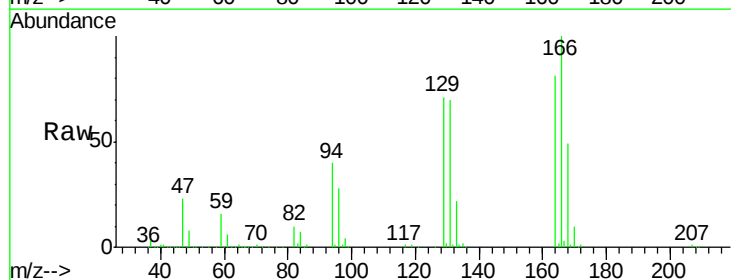
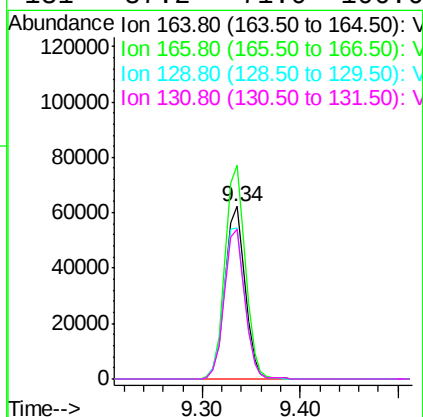
Manual Integrations
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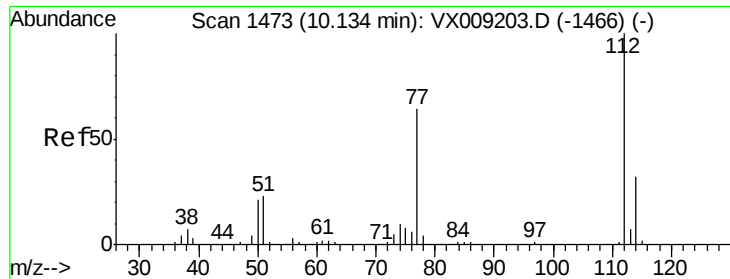
MMDadoda
5/6/2019 9:24:44 AM



#64
Tetrachloroethene
Concen: 49.895 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	101.2	151.8
129	87.6	74.3	111.5
131	87.2	71.0	106.6





#65

Chlorobenzene

Concen: 48.116 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 251201

Ion Ratio Lower Upper

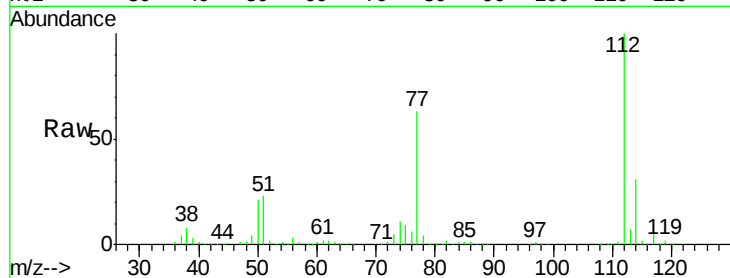
112 100

114 31.3 25.5 38.3

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

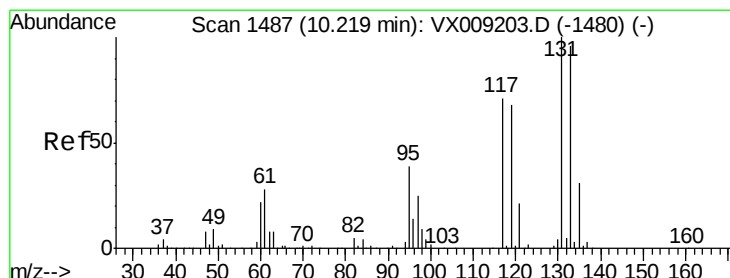
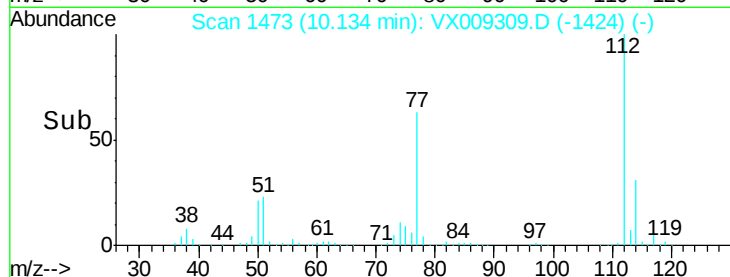
150000

100000

50000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 47.969 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

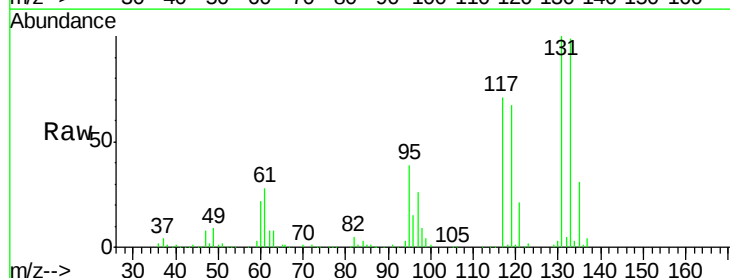
Tgt Ion:131 Resp: 90793

Ion Ratio Lower Upper

131 100

133 96.4 47.7 143.1

119 66.6 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

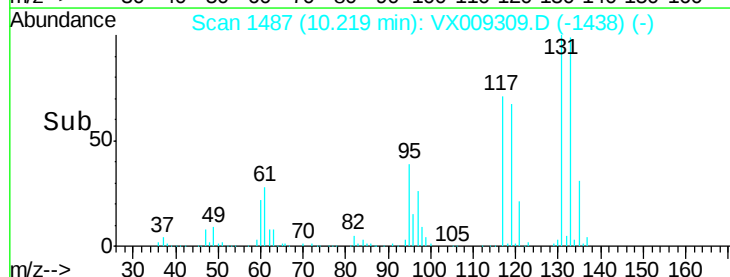
60000

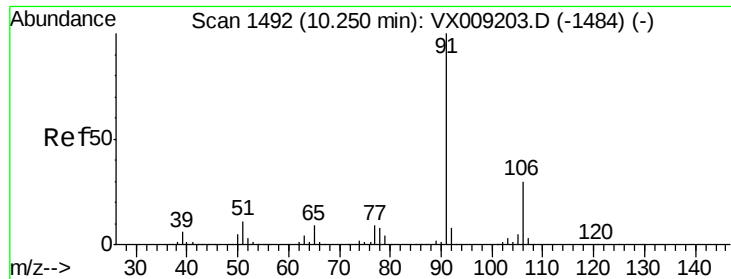
40000

20000

0

Time--> 10.15 10.20 10.25 10.30





#67

Ethyl Benzene

Concen: 48.657 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 467505

Ion Ratio Lower Upper

91 100

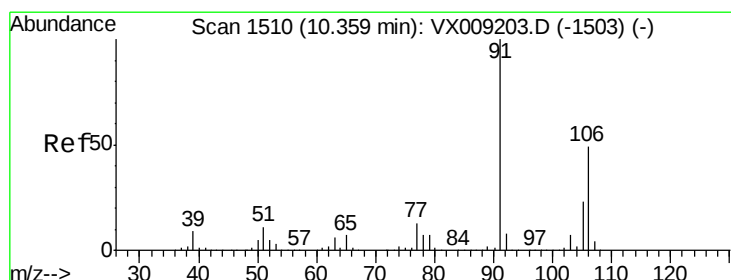
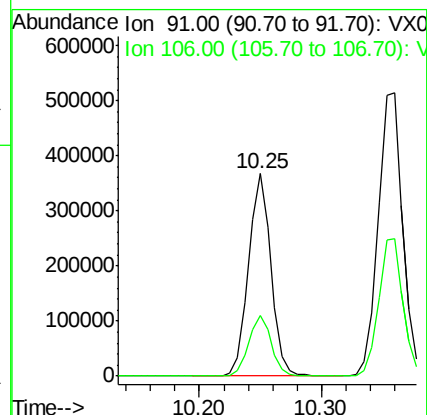
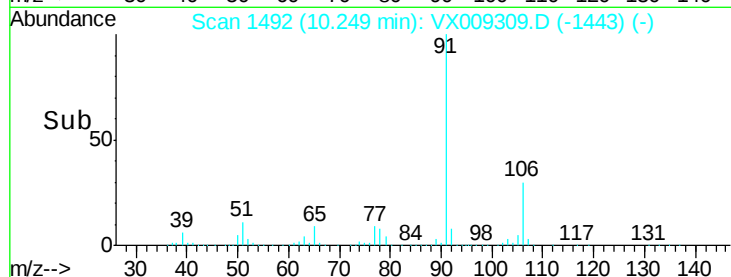
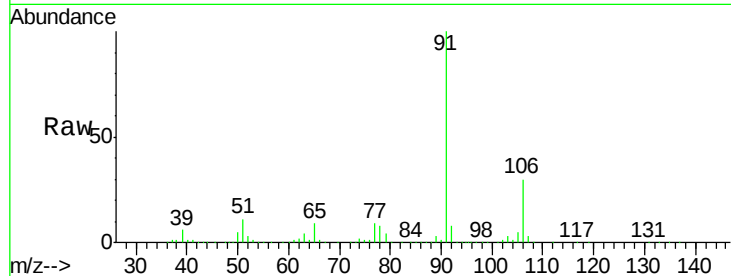
106 30.1 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 98.520 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009309.D

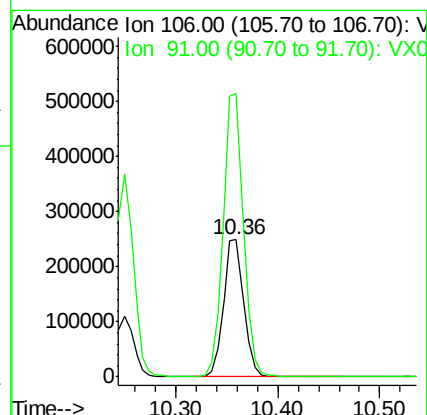
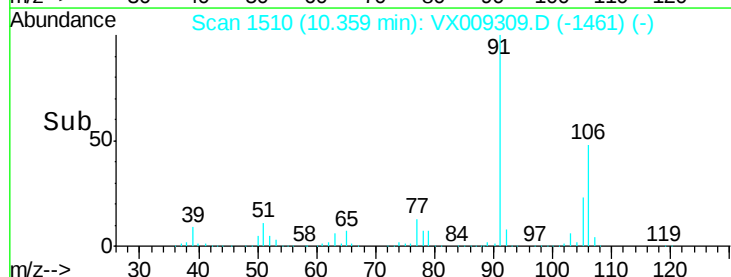
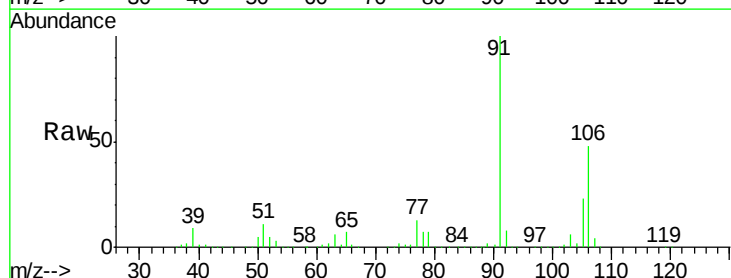
Acq: 03 May 2019 14:40

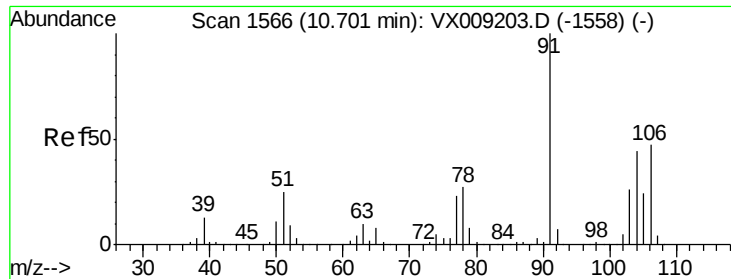
Tgt Ion: 106 Resp: 345914

Ion Ratio Lower Upper

106 100

91 207.7 164.0 246.0





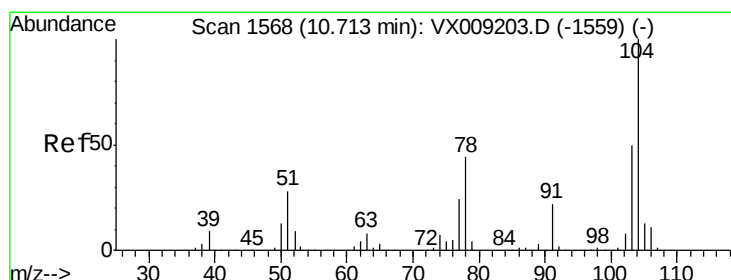
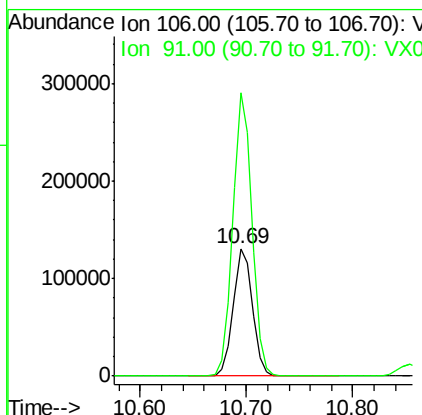
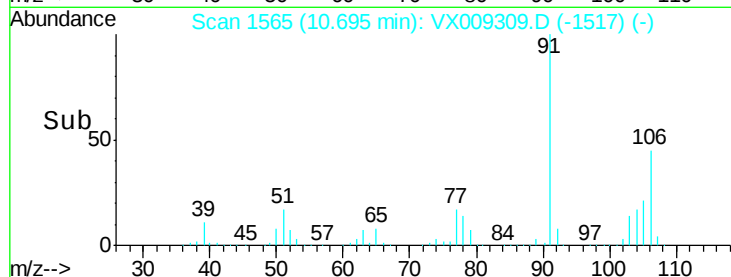
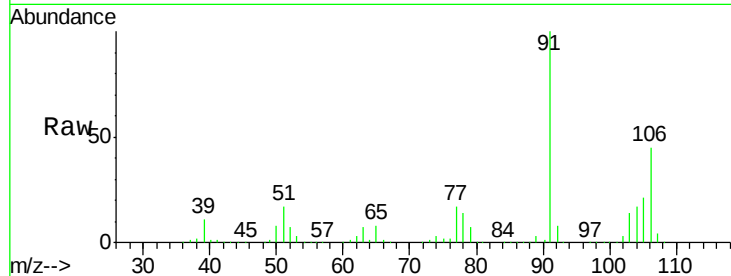
#69
o-Xylene
Concen: 48.247 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 167140
Ion Ratio Lower Upper
106 100
91 220.6 109.5 328.4

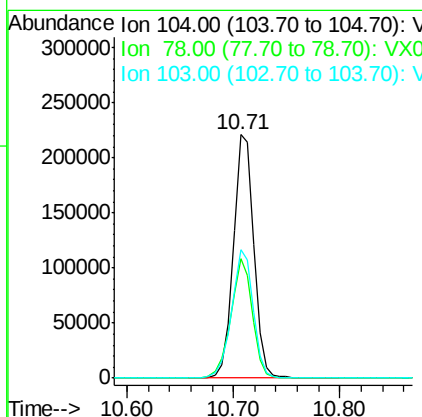
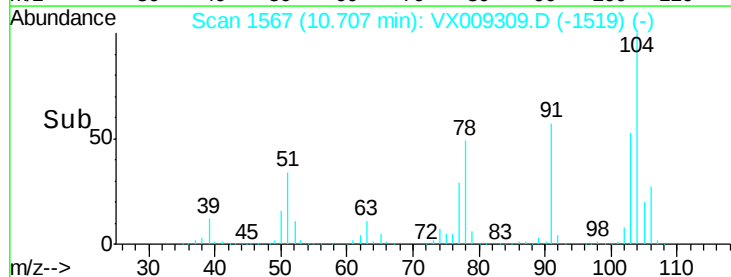
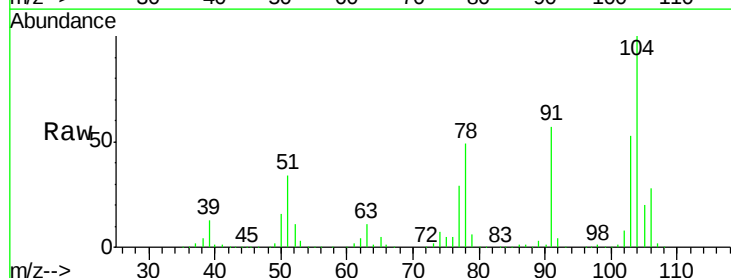
Manual Integrations
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5/6/2019 9:24:44 AM



#70
Styrene
Concen: 49.460 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion:104 Resp: 297805
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 55.6 43.8 65.6





#71

Bromoform

Concen: 49.017 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 75395

Ion Ratio Lower Upper

173 100

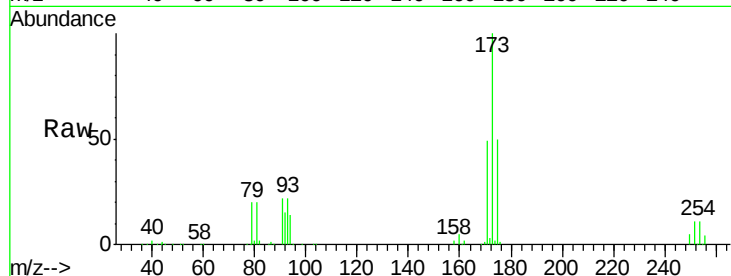
175 48.6 24.5 73.5

254 0.1 0.1 0.1#

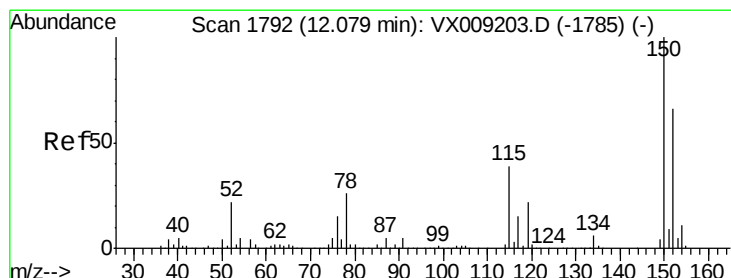
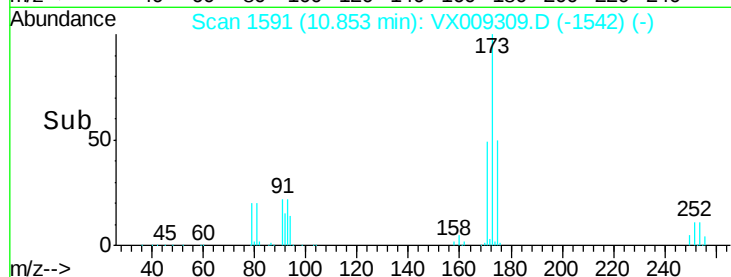
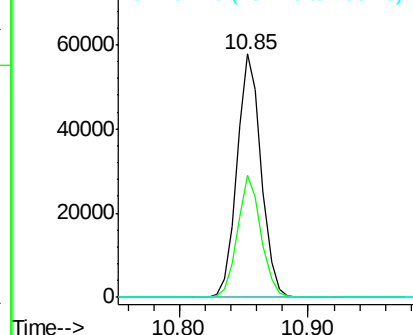
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

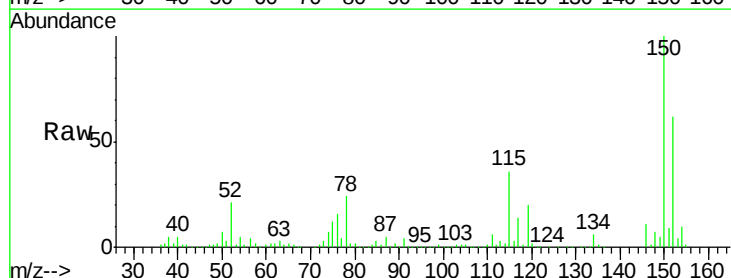
Tgt Ion:152 Resp: 131602

Ion Ratio Lower Upper

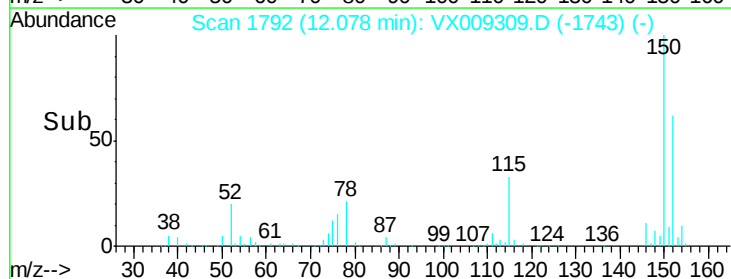
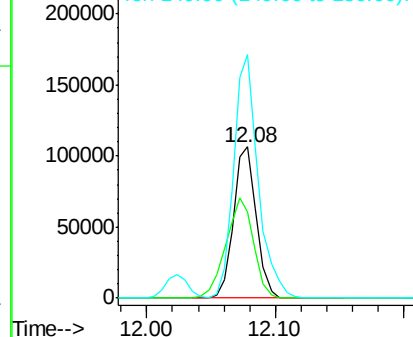
152 100

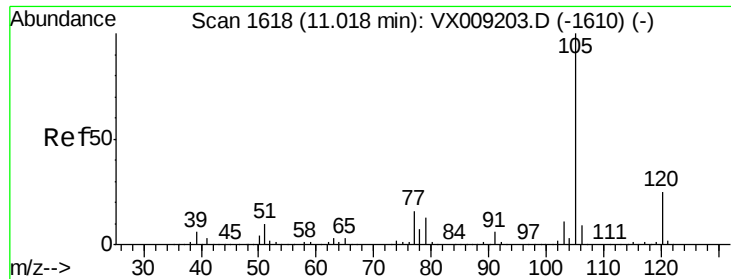
115 80.3 41.2 123.6

150 172.6 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.457 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 454158

Ion Ratio Lower Upper

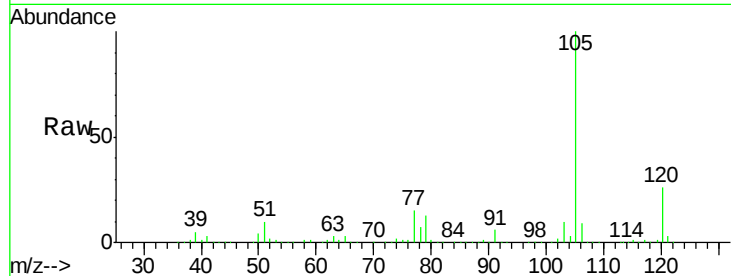
105 100

120 25.8 12.8 38.3

Manual Integrations
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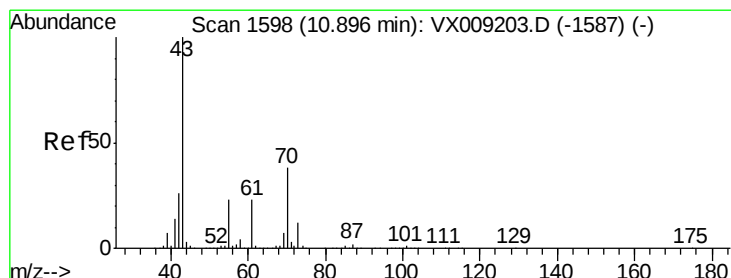
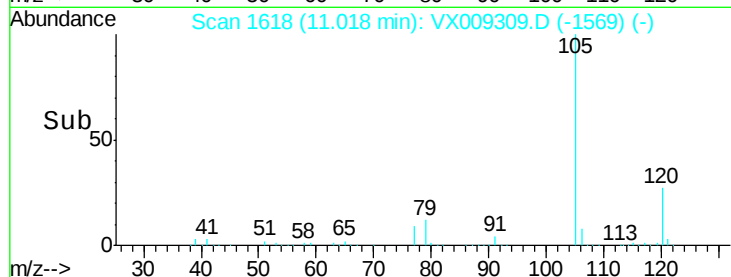
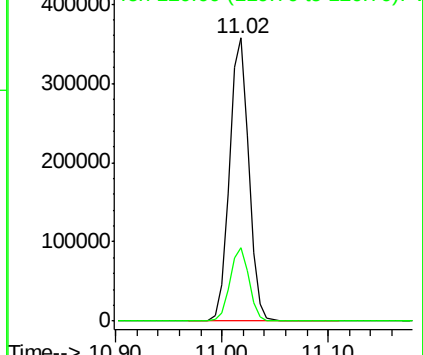
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.300 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion: 43 Resp: 263904

Ion Ratio Lower Upper

43 100

70 36.9 30.0 45.0

55 22.3 17.9 26.9

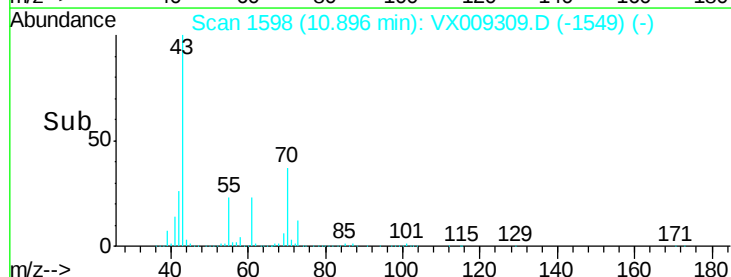
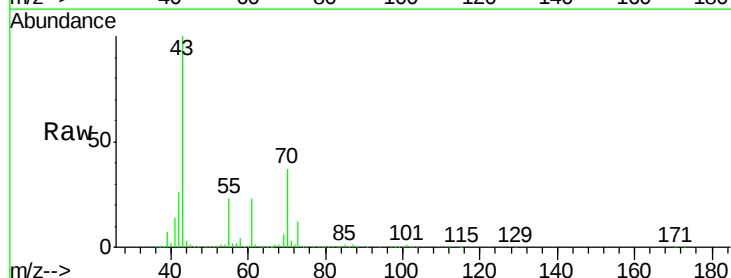
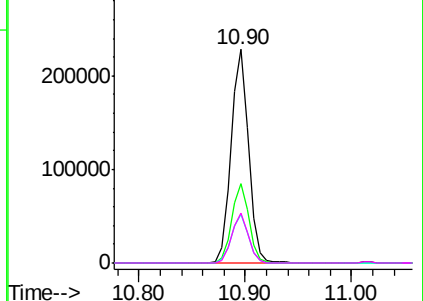
61 22.5 18.4 27.6

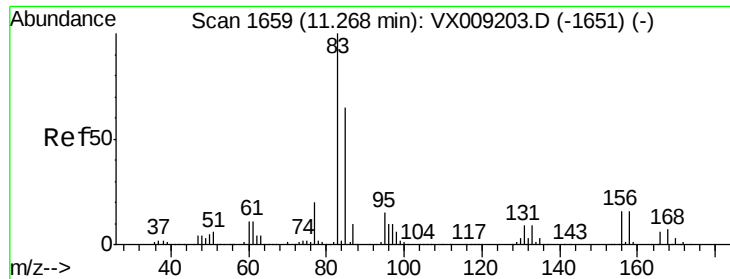
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.644 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

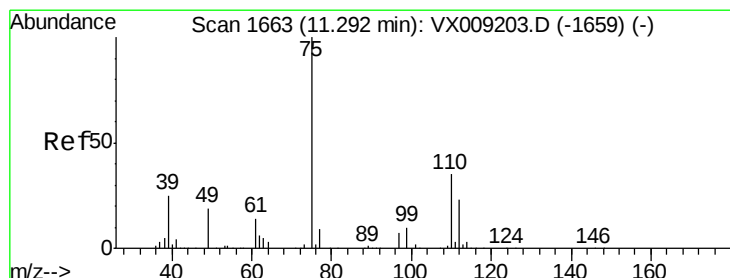
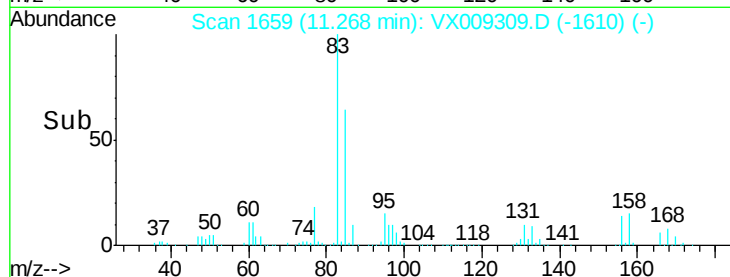
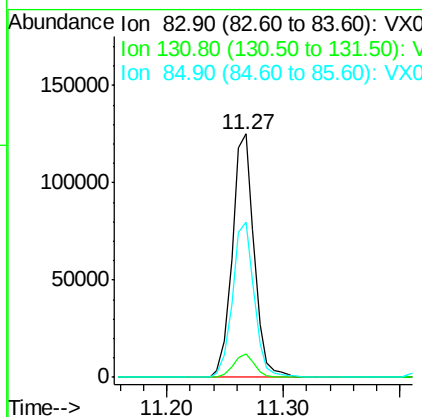
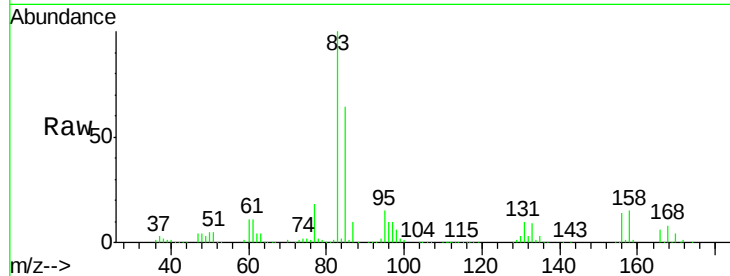
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	162835
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	63.9	32.0	96.2

Manual Integrations
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MMDadoda
5/6/2019 9:24:44 AM



#76

1,2,3-Trichloropropane

Concen: 46.629 ug/l m

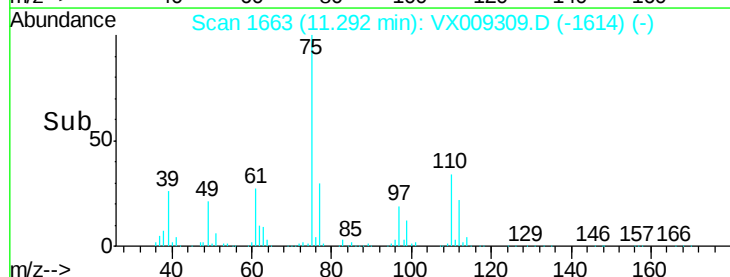
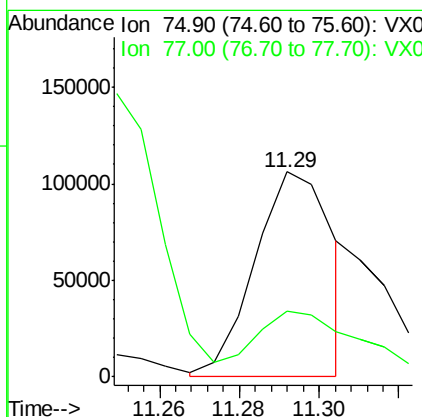
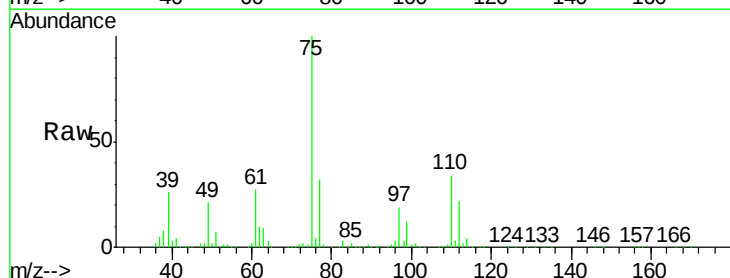
RT: 11.29 min Scan# 1663

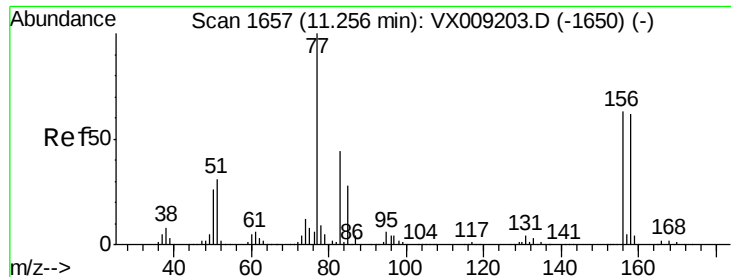
Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	75	Resp:	142344
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.1	66.1





#77

Bromobenzene

Concen: 47.200 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

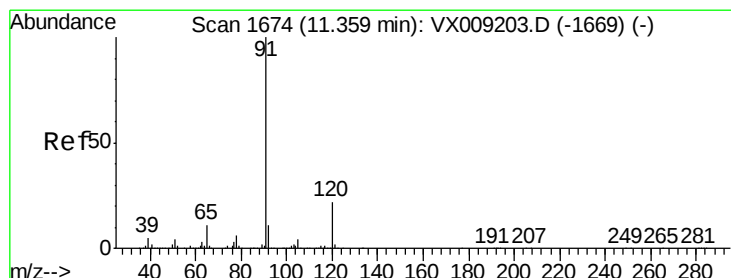
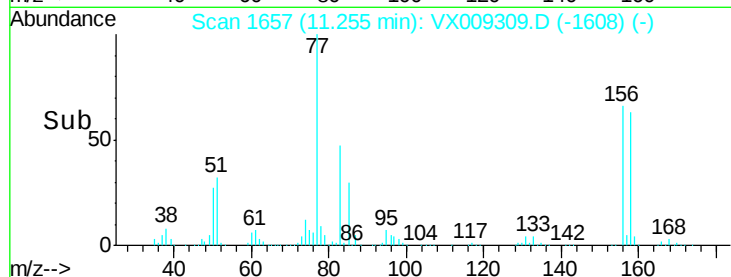
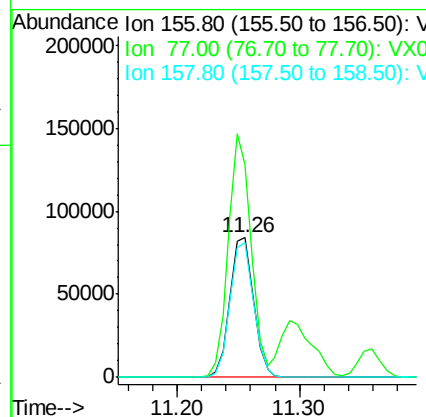
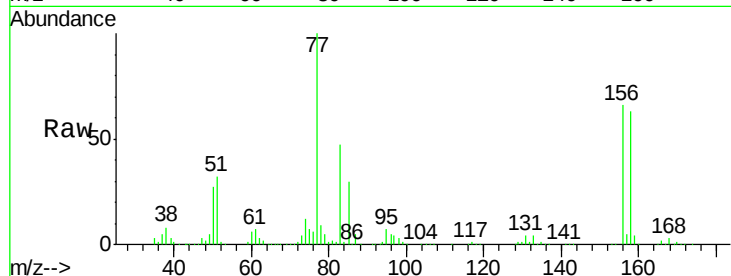
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	112114
Ion Ratio	Lower	Upper	
156	100		
77	168.0	84.8	254.3
158	96.7	49.1	147.3

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#78

n-propylbenzene

Concen: 48.756 ug/l

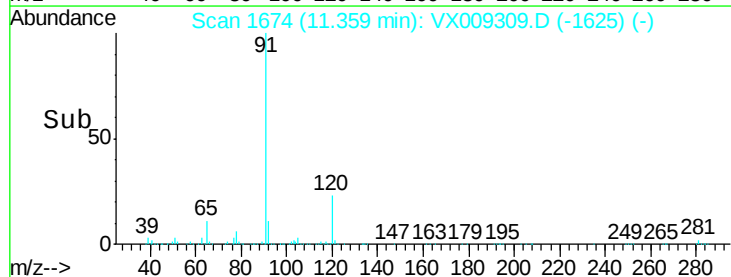
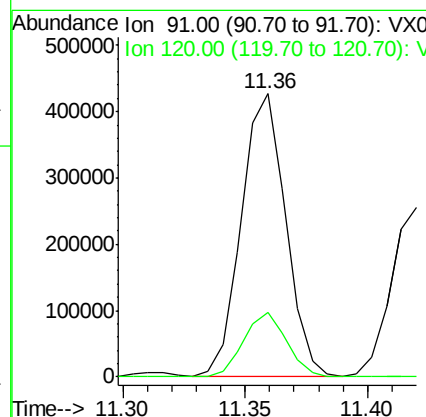
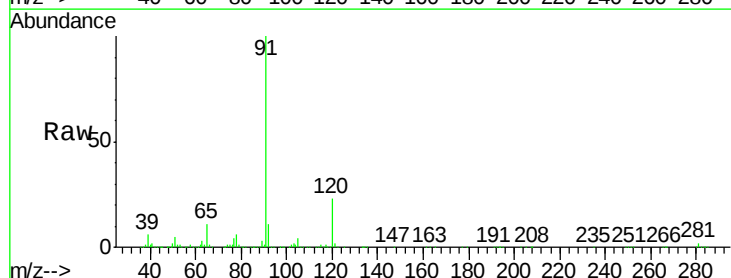
RT: 11.36 min Scan# 1674

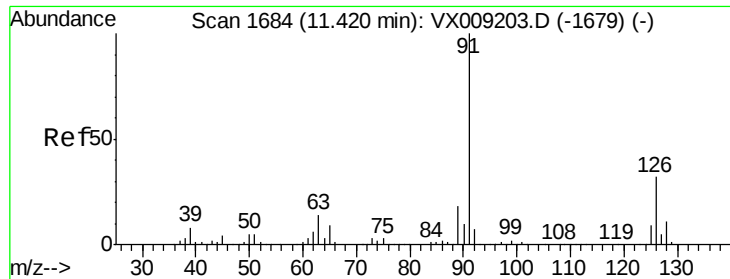
Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	91	Resp:	532871
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.0	33.0





#79

2-Chlorotoluene

Concen: 46.198 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 311506

Ion Ratio Lower Upper

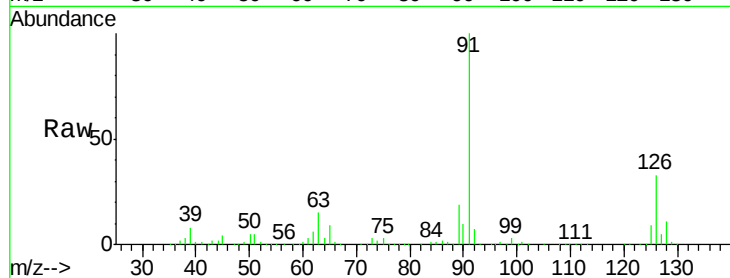
91 100

126 32.8 16.3 48.9

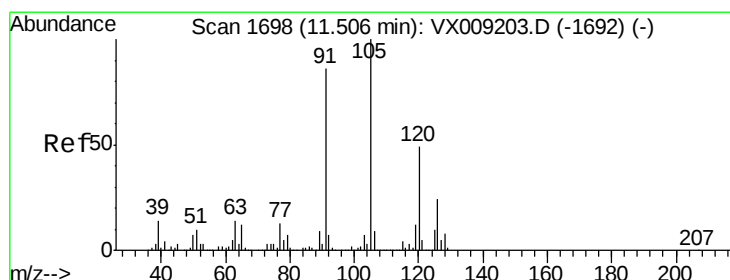
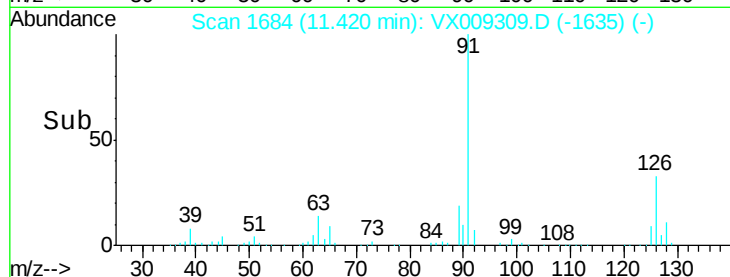
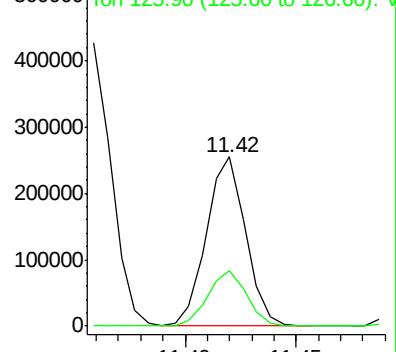
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Abundance Ion 91.00 (90.70 to 91.70): VX009309.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.948 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009309.D

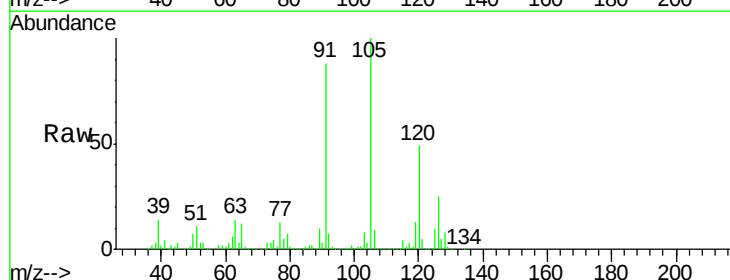
Acq: 03 May 2019 14:40

Tgt Ion: 105 Resp: 386364

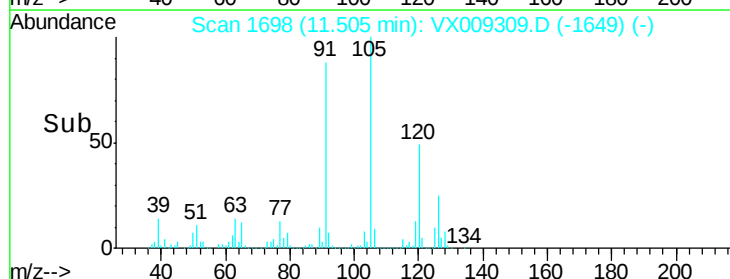
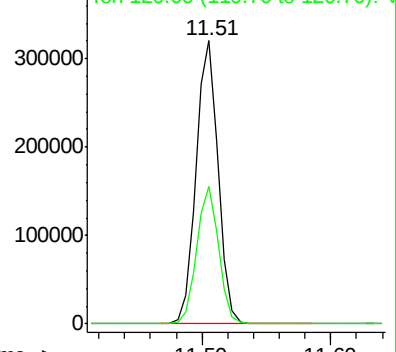
Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009309.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.997 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 54879

Ion Ratio Lower Upper

75 100

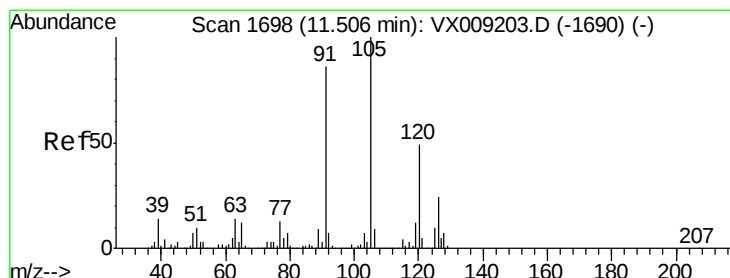
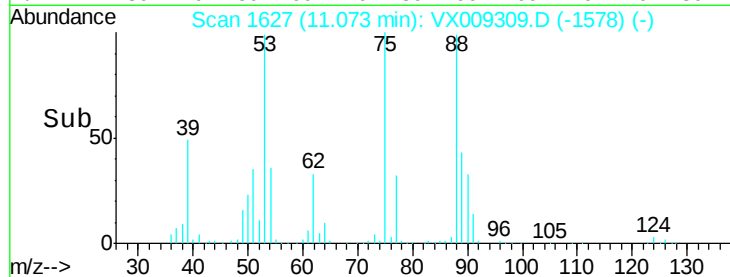
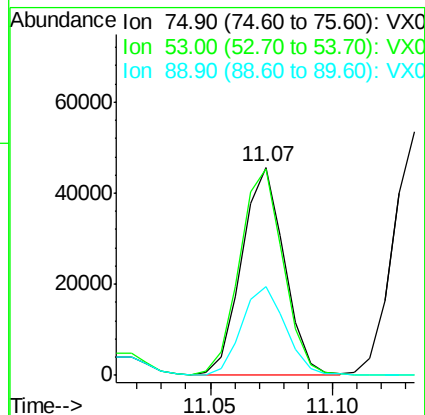
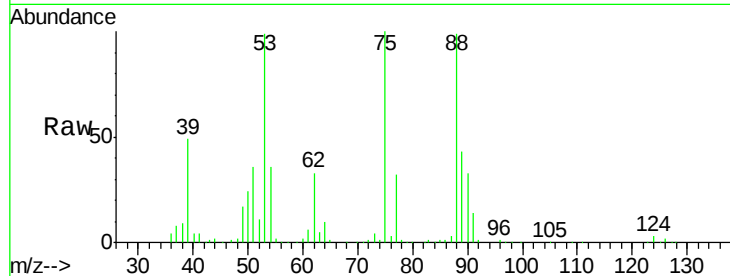
53 101.5 79.0 118.6

89 44.5 34.7 52.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.463 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009309.D

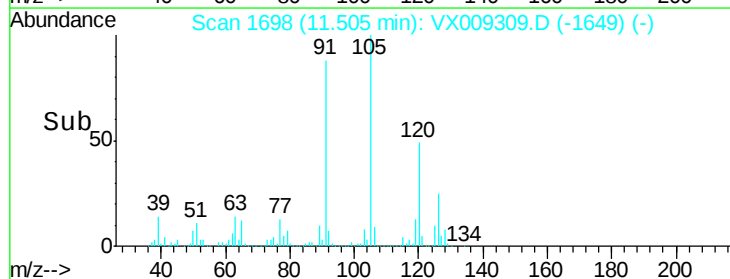
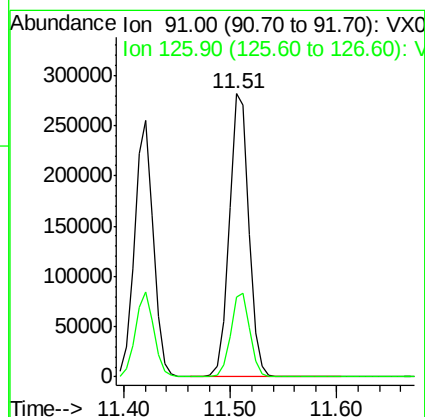
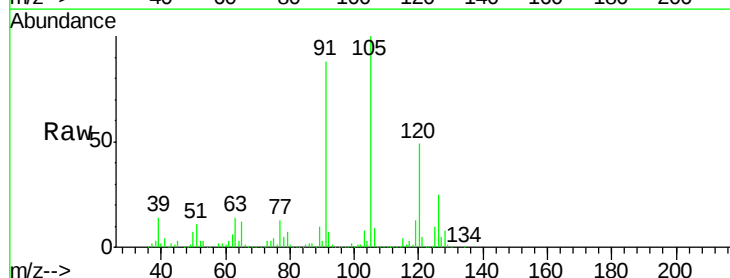
Acq: 03 May 2019 14:40

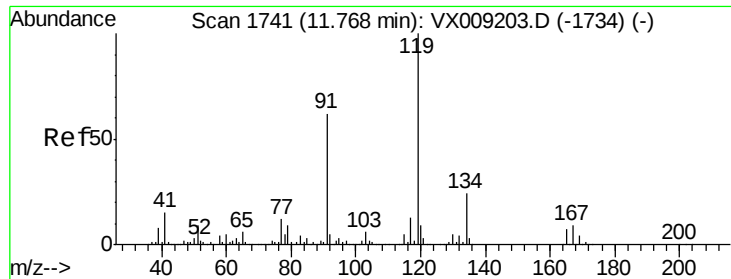
Tgt Ion: 91 Resp: 361550

Ion Ratio Lower Upper

91 100

126 29.0 14.5 43.6





#83

tert-Butylbenzene

Concen: 47.496 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

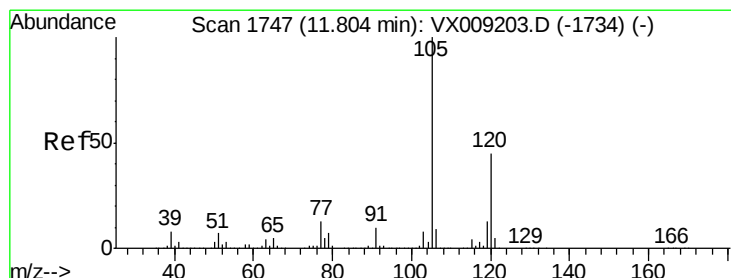
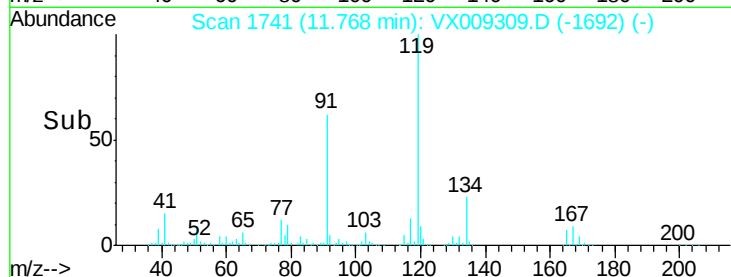
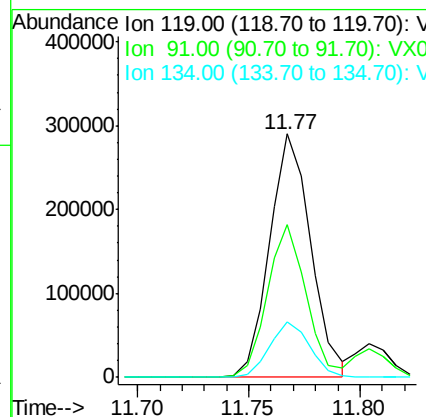
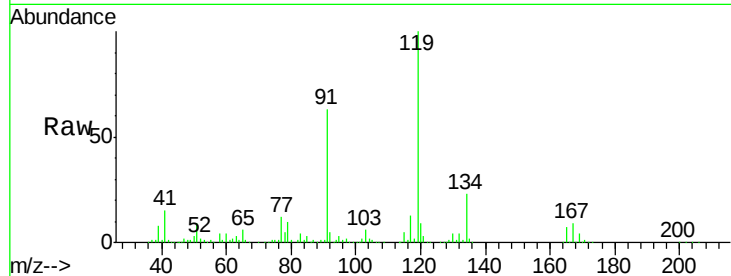
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	372309
Ion Ratio	Lower	Upper	
119	100		
91	59.4	29.5	88.5
134	22.3	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 48.313 ug/l

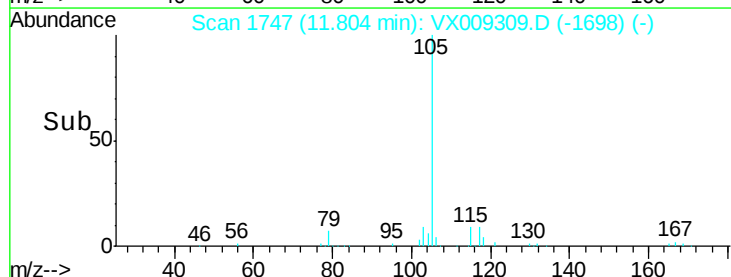
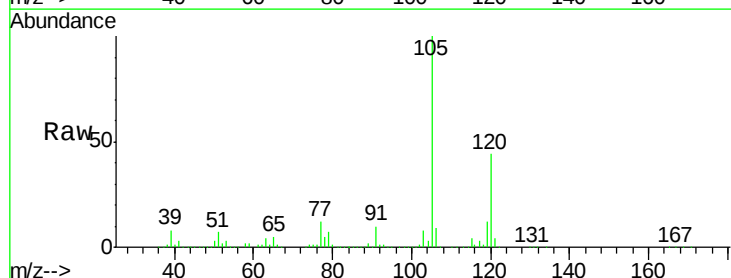
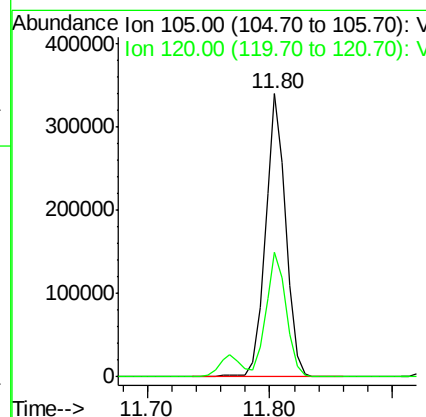
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	105	Resp:	390764
Ion Ratio	Lower	Upper	
105	100		
120	43.6	22.0	66.0





#85

sec-Butylbenzene

Concen: 48.569 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 451367

Ion Ratio Lower Upper

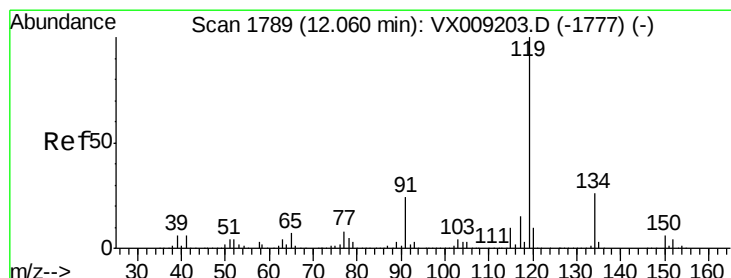
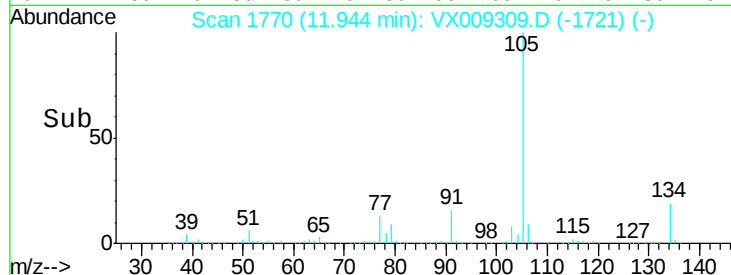
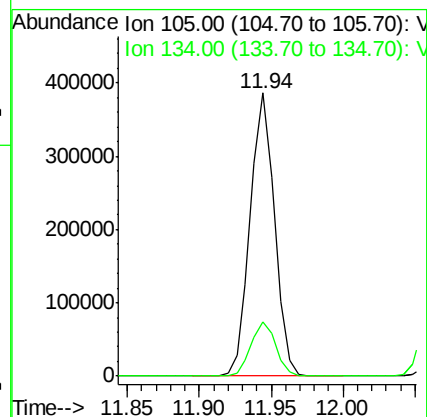
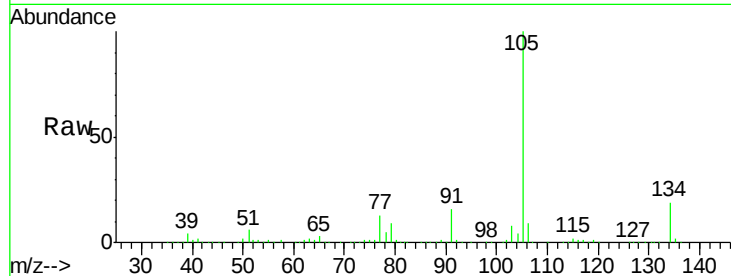
105 100

134 19.5 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.470 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

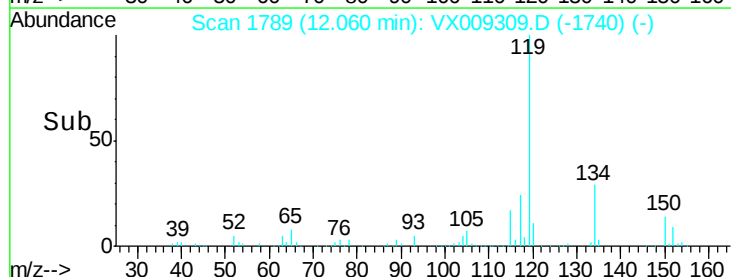
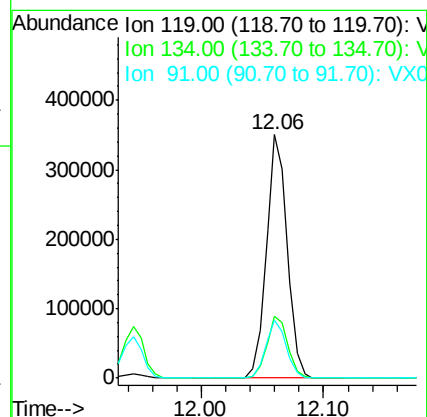
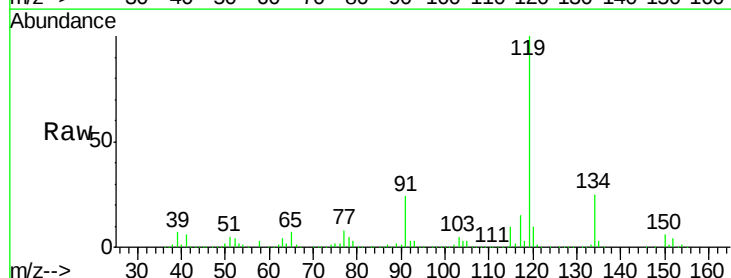
Tgt Ion:119 Resp: 413309

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 23.7 11.8 35.4





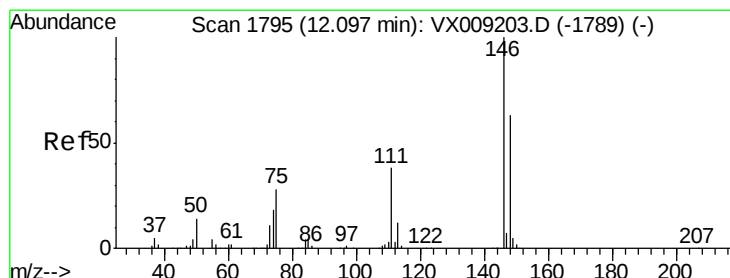
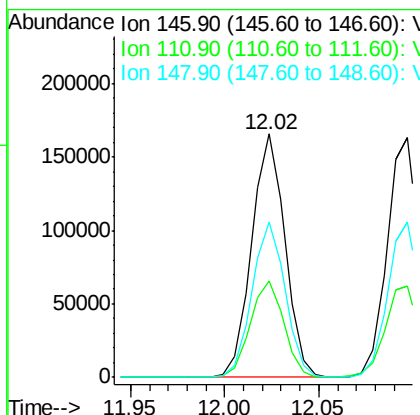
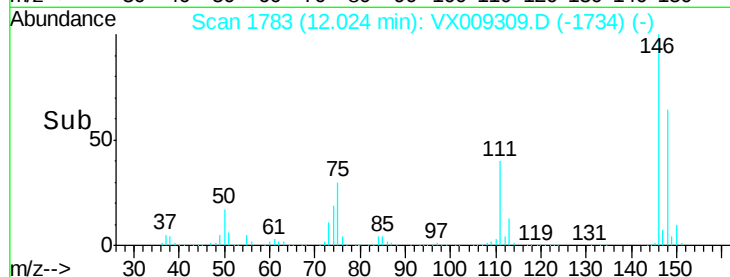
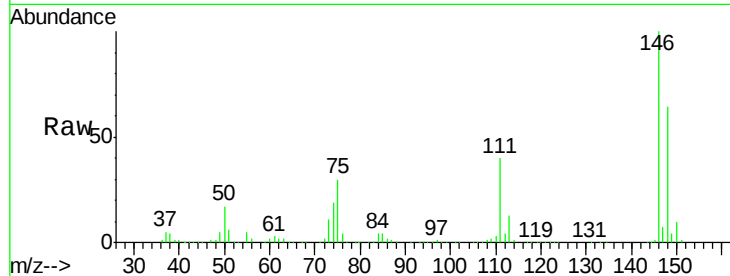
#87
 1,3-Dichlorobenzene
 Concen: 48.001 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.4	31.8	95.3

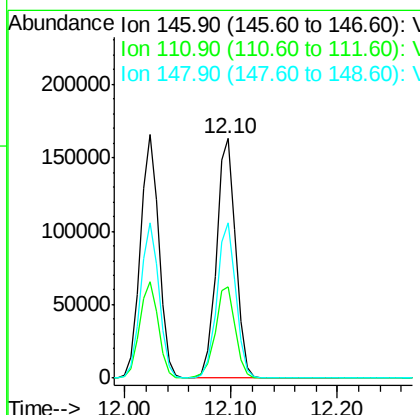
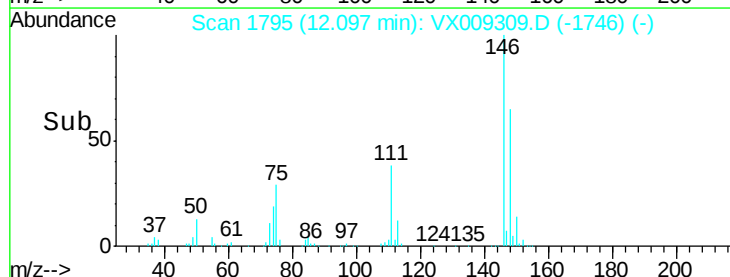
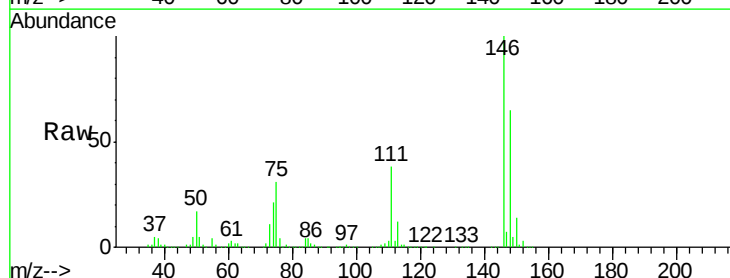
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#88
 1,4-Dichlorobenzene
 Concen: 47.315 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	64.6	31.8	95.3





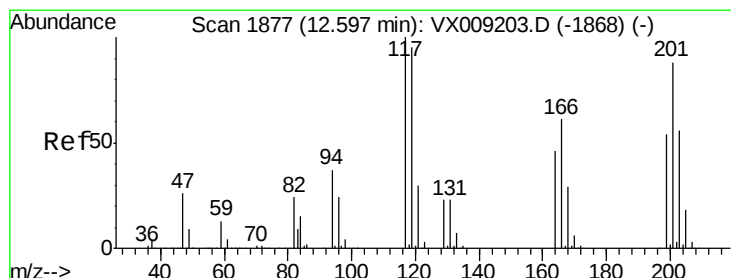
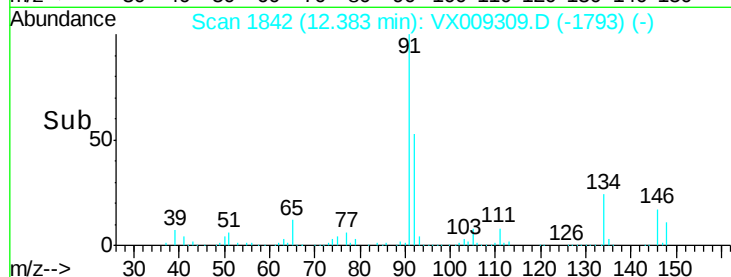
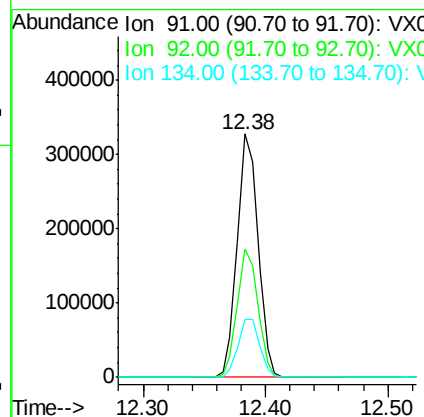
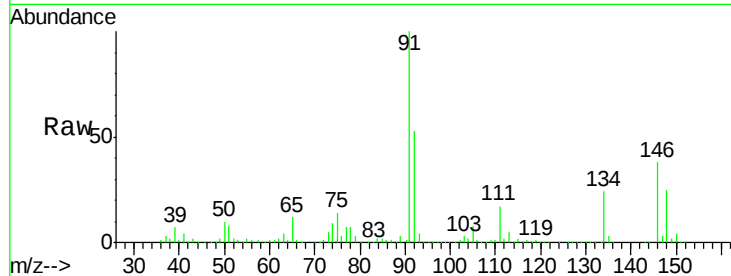
#89
n-Butylbenzene
Concen: 50.890 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.6	26.5	79.5	
134	24.9	12.4	37.2	

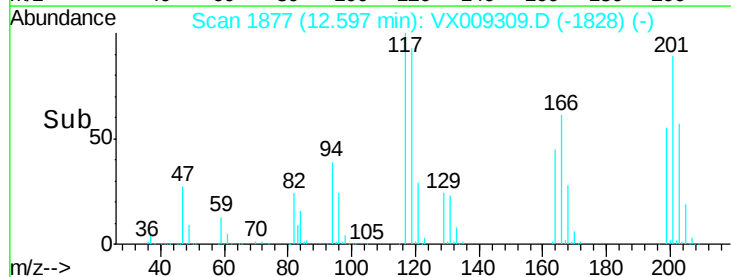
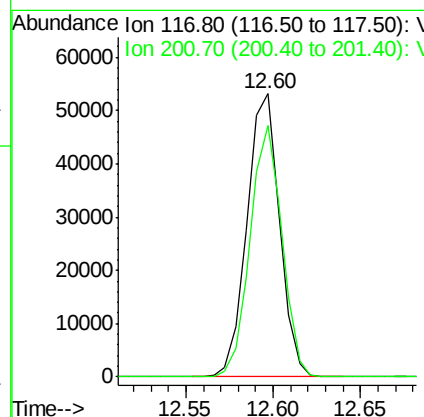
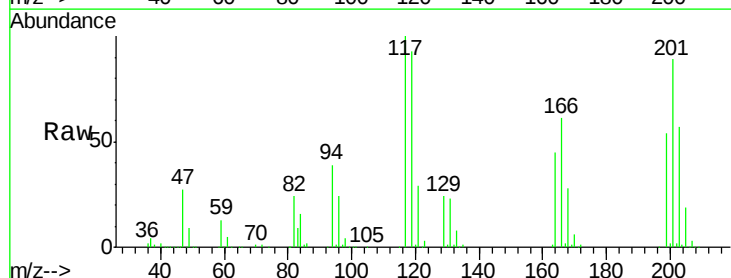
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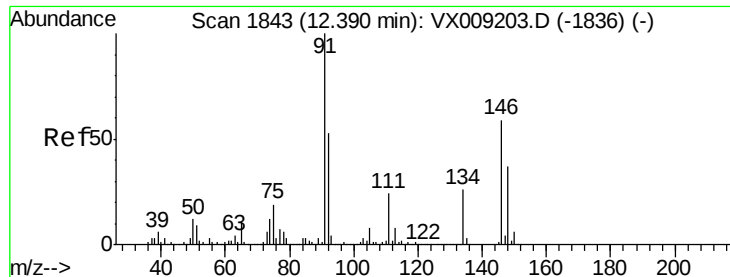
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#90
Hexachloroethane
Concen: 48.218 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009309.D
Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.8	42.3	126.9	





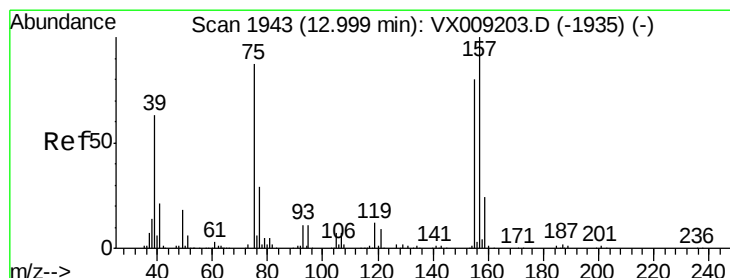
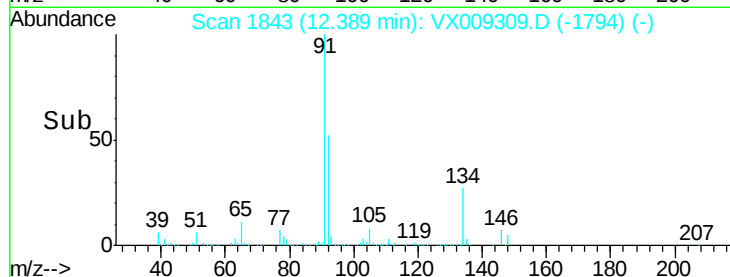
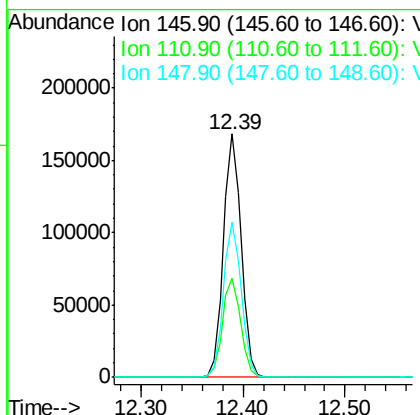
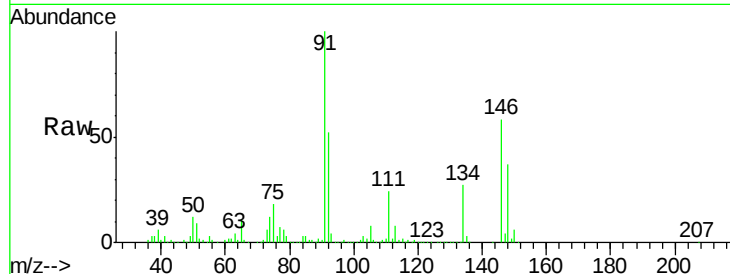
#91
 1,2-Dichlorobenzene
 Concen: 47.465 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204712		
111	41.5	20.8	62.4	
148	64.1	31.9	95.9	

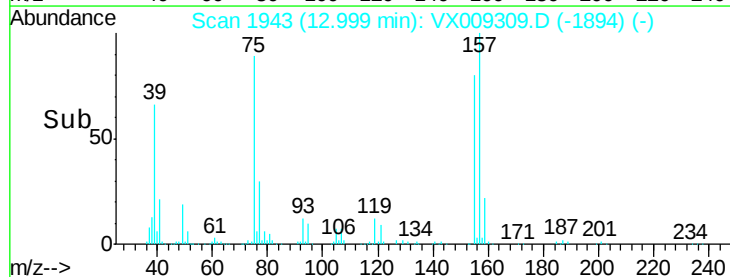
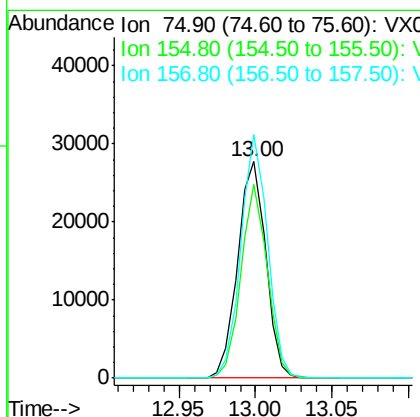
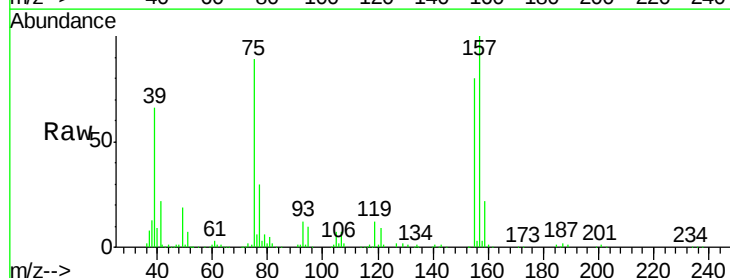
Manual Integrations
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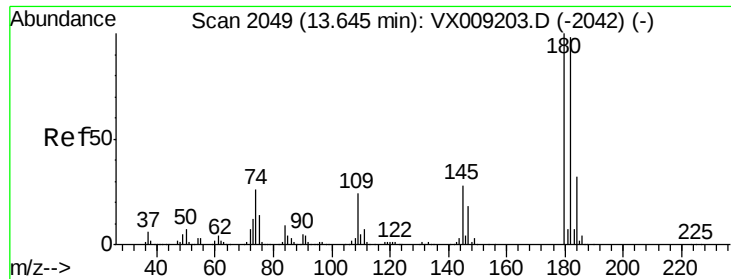
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.045 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35249		
155	84.2	42.0	126.0	
157	107.3	53.2	159.6	





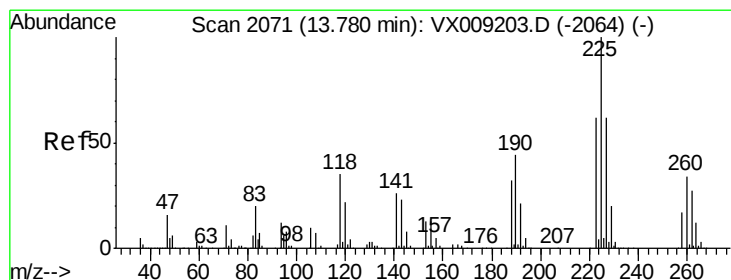
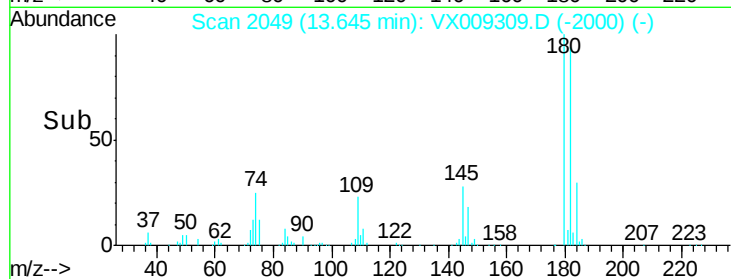
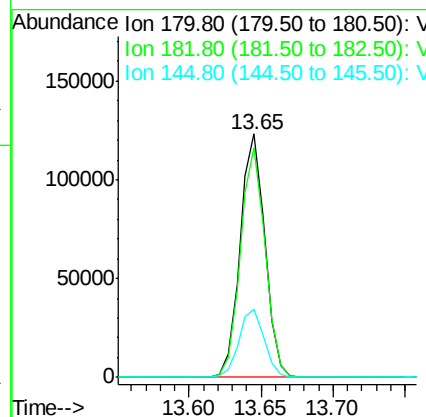
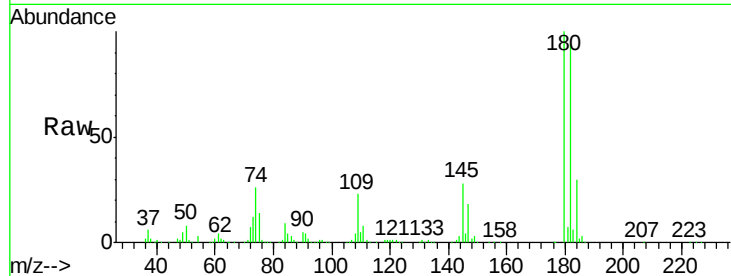
#93
 1,2,4-Trichlorobenzene
 Concen: 50.136 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	147866
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.4	145.2
145	28.5	14.6	43.8

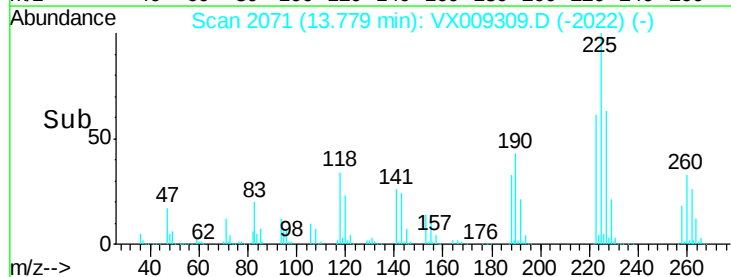
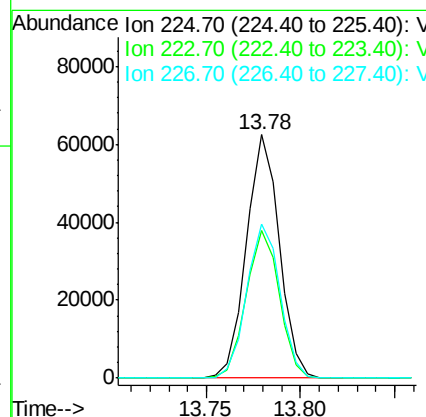
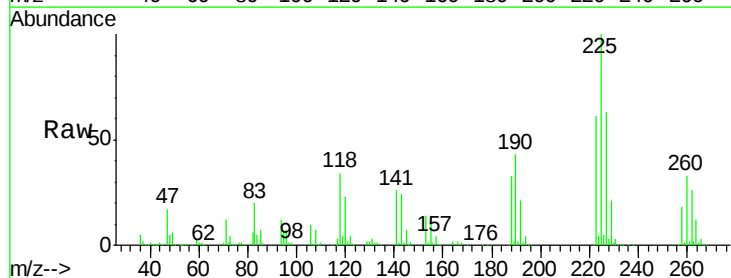
Manual Integrations
 APPROVED

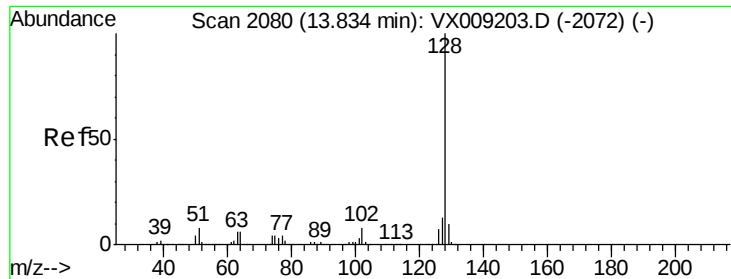
MMDadoda
 5/6/2019 9:24:44 AM



#94
 Hexachlorobutadiene
 Concen: 50.262 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009309.D
 Acq: 03 May 2019 14:40

Tgt Ion:	225	Resp:	75700
Ion Ratio	Lower	Upper	
225	100		
223	61.1	31.3	93.8
227	64.0	31.8	95.3





#95

Naphthalene

Concen: 47.642 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Instrument :

MSVOA_X

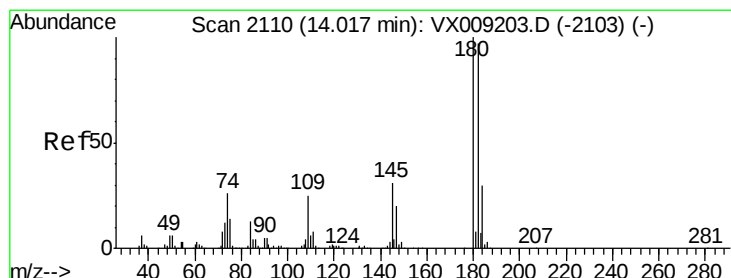
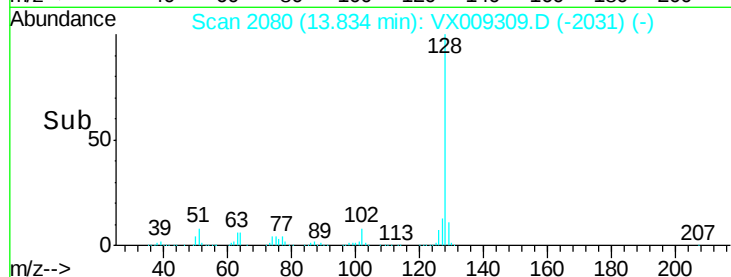
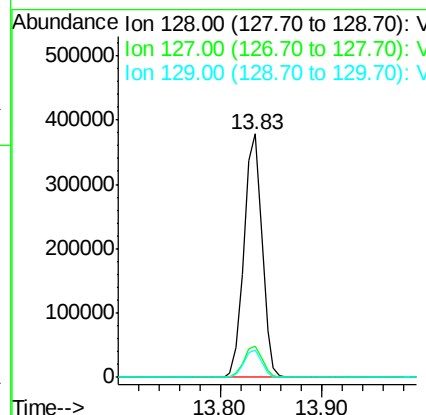
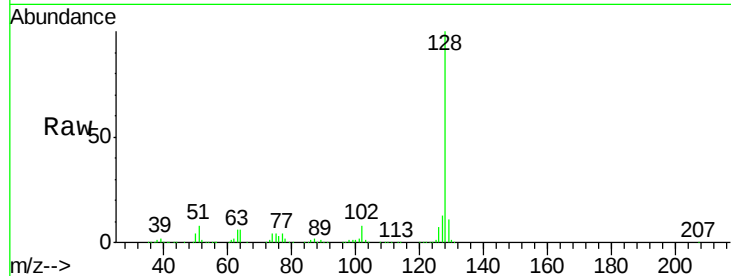
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	457145
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:24:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.649 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009309.D

Acq: 03 May 2019 14:40

Tgt Ion:	180	Resp:	145443
Ion Ratio		Lower	Upper
180	100		
182	94.9	47.8	143.4
145	30.5	15.4	46.4

