

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002109.D
 Acq On : 29 May 2018 22:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:51:02 PM

Quant Time: May 30 08:17:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	289371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	412738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	382696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	253602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	217908	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
35) Dibromofluoromethane	5.51	113	169400	41.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.08%	
50) Toluene-d8	8.72	98	625493	41.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.72%	
62) 4-Bromofluorobenzene	11.14	95	247809	42.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	156384	42.89	ug/l	97
3) Chloromethane	1.32	50	201447	45.25	ug/l	100
4) Vinyl Chloride	1.40	62	202243	47.04	ug/l	100
5) Bromomethane	1.64	94	104856	53.05	ug/l	100
6) Chloroethane	1.72	64	128097	50.55	ug/l	97
7) Trichlorofluoromethane	1.93	101	324477	50.26	ug/l	99
8) Diethyl Ether	2.19	74	122818	52.43	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	178013	49.41	ug/l	98
10) Methyl Iodide	2.51	142	217980	44.72	ug/l	98
11) Tert butyl alcohol	3.09	59	270026	265.95	ug/l	99
12) 1,1-Dichloroethene	2.37	96	169143	50.15	ug/l	97
13) Acrolein	2.30	56	96665	220.20	ug/l	99
14) Allyl chloride	2.73	41	356564	50.36	ug/l	98
15) Acrylonitrile	3.15	53	541806	259.50	ug/l	99
16) Acetone	2.45	43	502552	251.75	ug/l	100
17) Carbon Disulfide	2.57	76	454936	46.87	ug/l	100
18) Methyl Acetate	2.78	43	265761	55.39	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	648213	51.10	ug/l	99
20) Methylene Chloride	2.86	84	190099	55.17	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	179269	54.74	ug/l	97
22) Diisopropyl ether	3.88	45	690834	47.97	ug/l	99
23) Vinyl Acetate	3.83	43	3042731	254.83	ug/l	98
24) 1,1-Dichloroethane	3.70	63	345506	50.51	ug/l	100
25) 2-Butanone	4.71	43	824701	225.41	ug/l	100
26) 2,2-Dichloropropane	4.59	77	254684	36.78	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	201188	45.74	ug/l	98
28) Bromochloromethane	5.03	49	177574	62.28	ug/l	100
29) Tetrahydrofuran	5.17	42	542667	227.97	ug/l	100
30) Chloroform	5.22	83	352764	45.77	ug/l	98
31) Cyclohexane	5.58	56	320934	45.03	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	322455	44.88	ug/l	99
36) 1,1-Dichloropropene	5.81	75	260105	45.31	ug/l	99
37) Ethyl Acetate	4.87	43	328804	43.93	ug/l	100
38) Carbon Tetrachloride	5.79	117	286834	42.84	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	317990	45.08	ug/l	98
40) Benzene	6.15	78	782961	46.55	ug/l	99
41) Methacrylonitrile	5.07	41	186562	47.16	ug/l	99
42) 1,2-Dichloroethane	6.20	62	303701	45.20	ug/l	99
43) Isopropyl Acetate	6.47	43	561370	45.01	ug/l	99
44) Trichloroethene	7.22	130	224321	45.77	ug/l	98
45) 1,2-Dichloropropane	7.52	63	212782	46.58	ug/l	99
46) Dibromomethane	7.67	93	137418	45.44	ug/l	100
47) Bromodichloromethane	7.90	83	273579	42.43	ug/l	100
48) Methyl methacrylate	7.78	41	284324	44.80	ug/l	98
49) 1,4-Dioxane	7.76	88	103138	922.11	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1748998	232.65	ug/l	99
52) Toluene	8.79	92	498199	46.54	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	322159	43.38	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	308949	42.69	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	200369	44.81	ug/l	99
56) Ethyl methacrylate	9.19	69	340921	44.33	ug/l	99
57) 1,3-Dichloropropane	9.38	76	339977	46.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	764074	224.14	ug/l	100
59) 2-Hexanone	9.50	43	1335516	230.39	ug/l	100
60) Dibromochloromethane	9.59	129	225982	42.67	ug/l	100
61) 1,2-Dibromoethane	9.68	107	214883	45.80	ug/l	100
64) Tetrachloroethene	9.34	164	257712	46.97	ug/l	98
65) Chlorobenzene	10.14	112	558637	46.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	214119	43.73	ug/l	99
67) Ethyl Benzene	10.26	91	982475	46.64	ug/l	100
68) m/p-Xylenes	10.37	106	755778	93.85	ug/l	99
69) o-Xylene	10.71	106	371925	46.26	ug/l	99
70) Styrene	10.72	104	618826	46.41	ug/l	100
71) Bromoform	10.86	173	182493	39.31	ug/l #	99
73) Isopropylbenzene	11.02	105	1000684	46.60	ug/l	99
74) N-amyl acetate	6.47	43	561370	50.42	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	290588	49.46	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	314525m	51.63	ug/l	
77) Bromobenzene	11.26	156	264738	46.46	ug/l	98
78) n-propylbenzene	11.37	91	1128542	46.92	ug/l	99
79) 2-Chlorotoluene	11.43	91	679891	51.60	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	846814	46.14	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	95883	37.83	ug/l	93
82) 4-Chlorotoluene	11.52	91	795522	46.89	ug/l	99
83) tert-Butylbenzene	11.77	119	815944	45.31	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	870941	45.92	ug/l	100
85) sec-Butylbenzene	11.95	105	1010916	46.70	ug/l	99
86) p-Isopropyltoluene	12.07	119	899856	46.45	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	474644	46.52	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	478702	46.92	ug/l	99
89) n-Butylbenzene	12.40	91	773913	47.15	ug/l	100
90) Hexachloroethane	12.60	117	152764	39.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	485339	46.68	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	78937	41.34	ug/l	98

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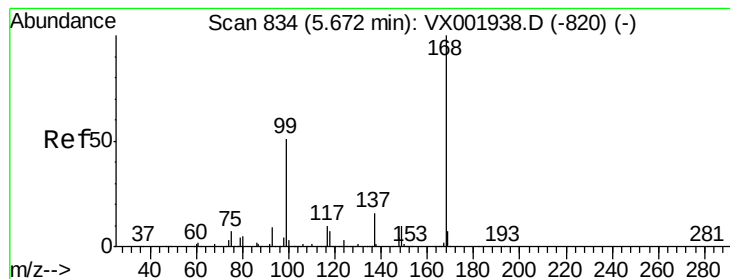
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	349448	47.00	ug/l	99
94) Hexachlorobutadiene	13.79	225	181383	45.36	ug/l	100
95) Naphthalene	13.84	128	1062850	46.40	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	356865	46.39	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 289371

Ion Ratio Lower Upper

168 100

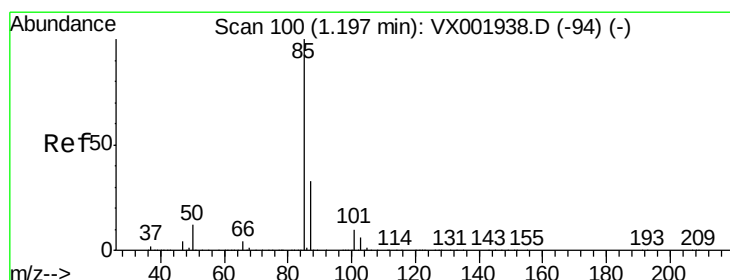
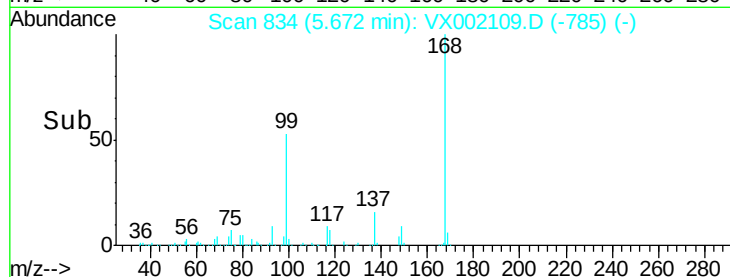
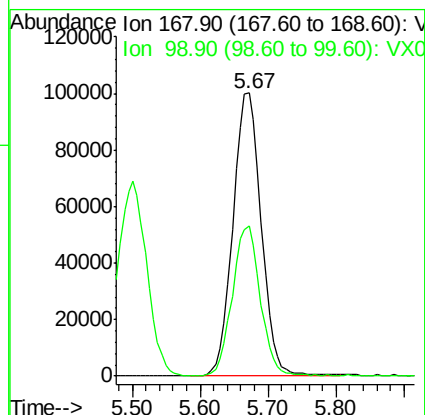
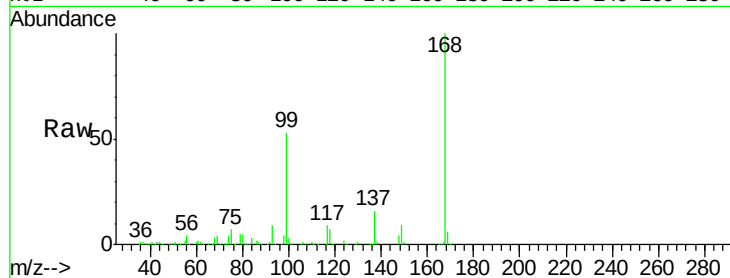
99 52.9 41.0 61.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 42.89 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002109.D

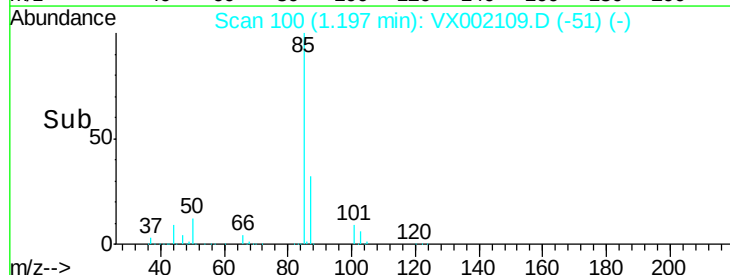
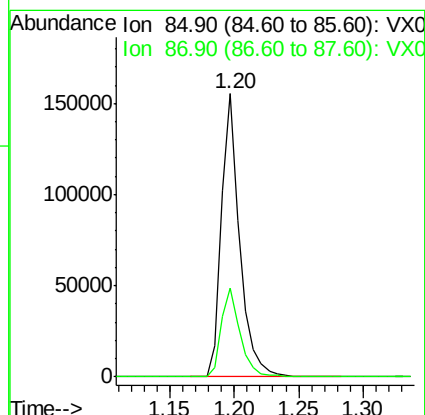
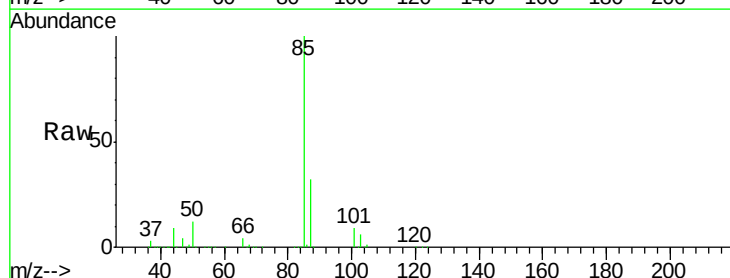
Acq: 29 May 2018 22:53

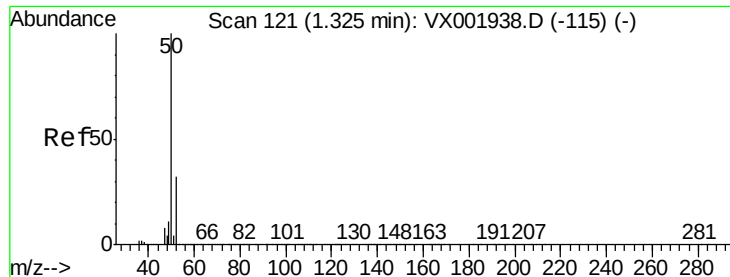
Tgt Ion: 85 Resp: 156384

Ion Ratio Lower Upper

85 100

87 31.6 16.7 50.0





#3

Chloromethane

Concen: 45.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 201447

Ion Ratio Lower Upper

50 100

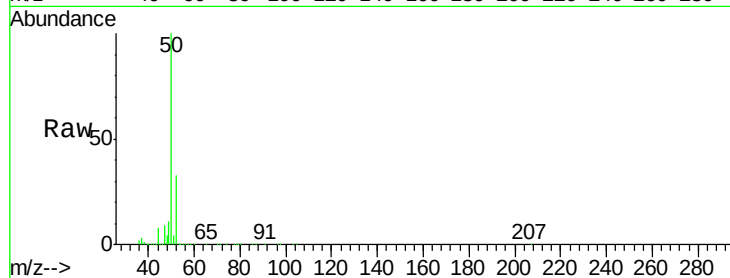
52 32.7 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200000

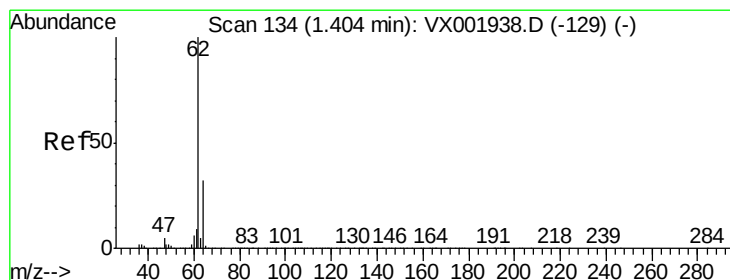
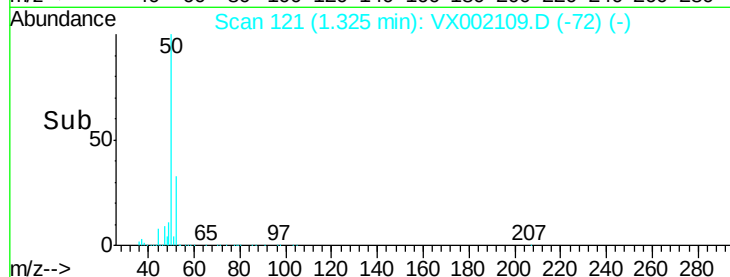
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.04 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002109.D

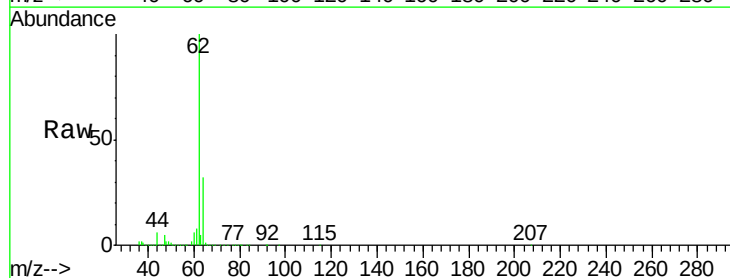
Acq: 29 May 2018 22:53

Tgt Ion: 62 Resp: 202243

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

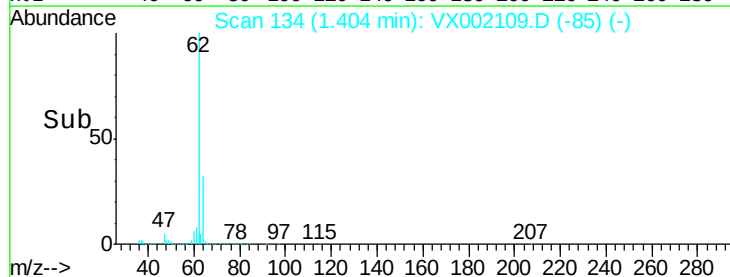
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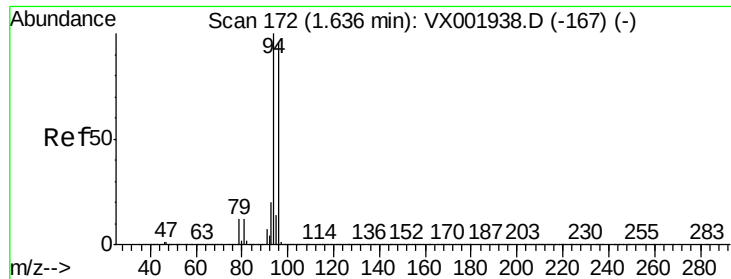
100000

50000

0

Time-->





#5

Bromomethane

Concen: 53.05 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 104856

Ion Ratio Lower Upper

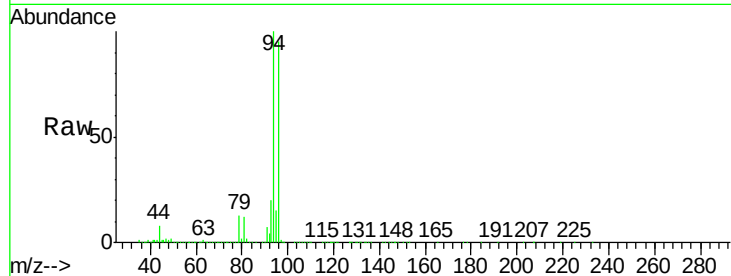
94 100

96 94.8 75.9 113.9

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

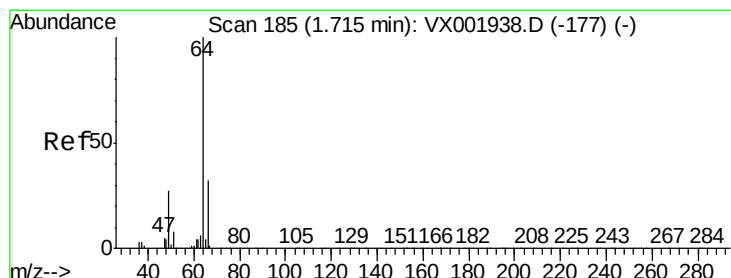
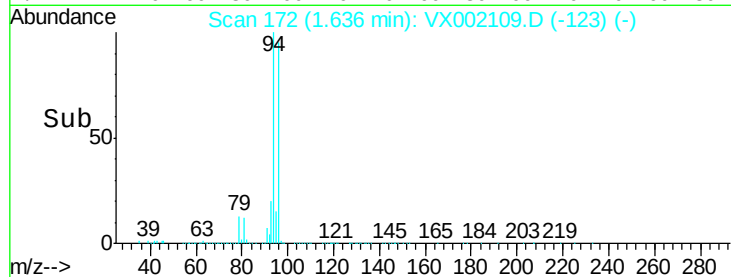
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 50.55 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002109.D

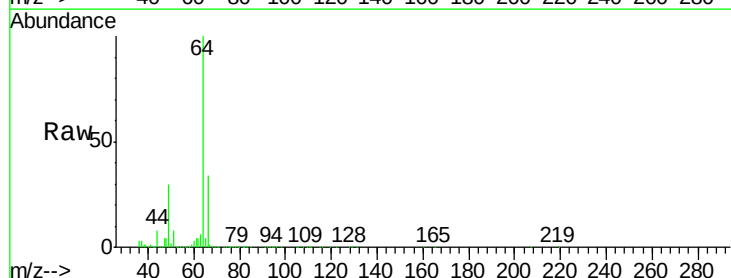
Acq: 29 May 2018 22:53

Tgt Ion: 64 Resp: 128097

Ion Ratio Lower Upper

64 100

66 33.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

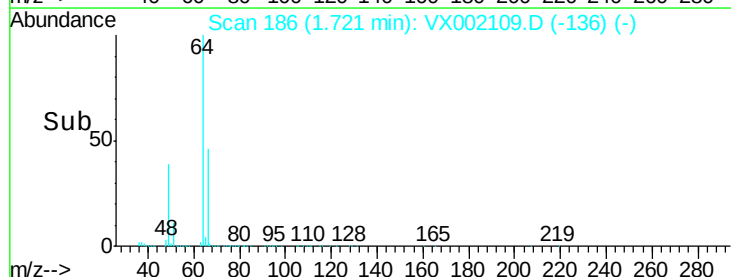
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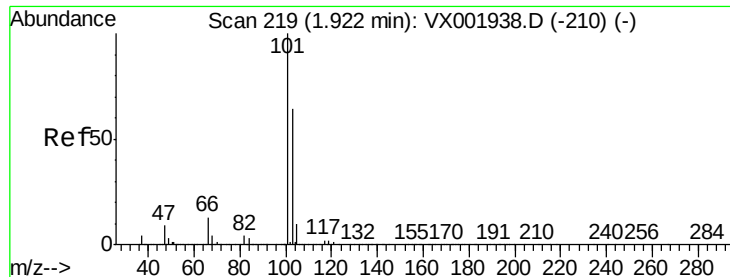
40000

20000

0

Time--> 1.65 1.70 1.75 1.80 1.85





#7

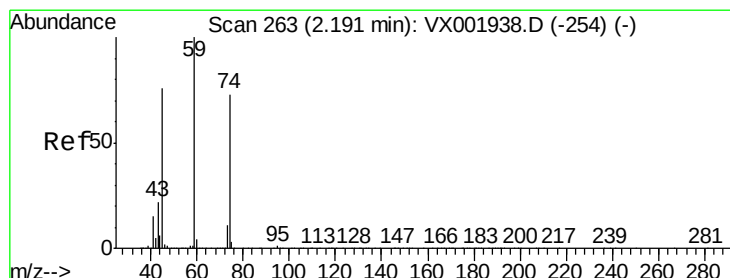
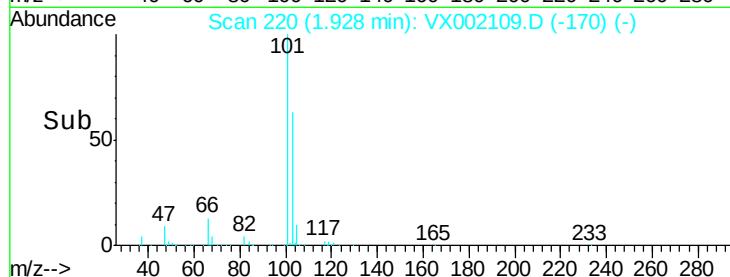
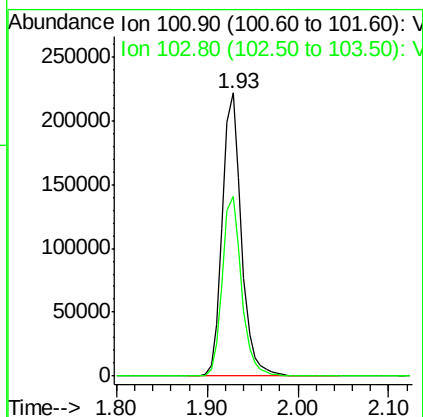
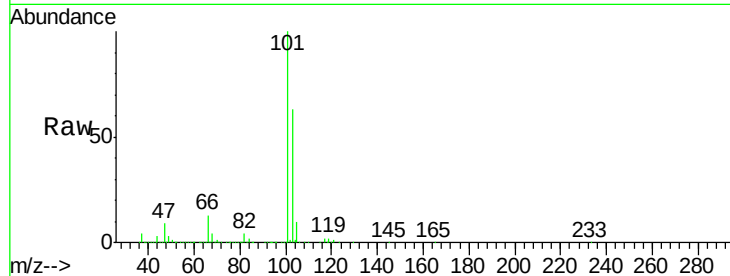
Trichlorofluoromethane
 Concen: 50.26 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		324477		
103	63.5	51.4	77.0		

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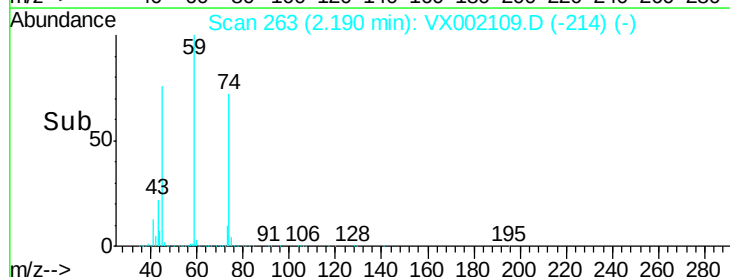
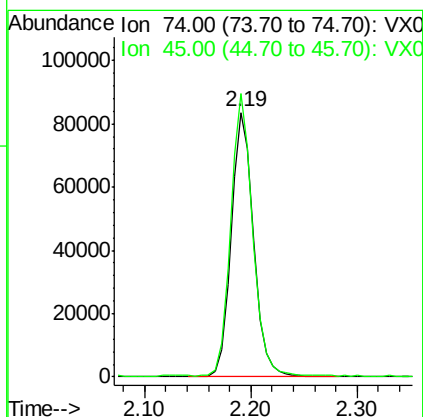
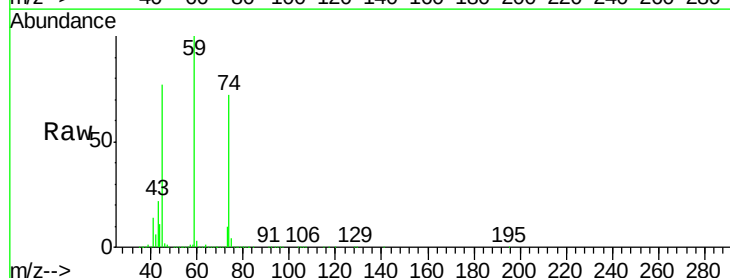
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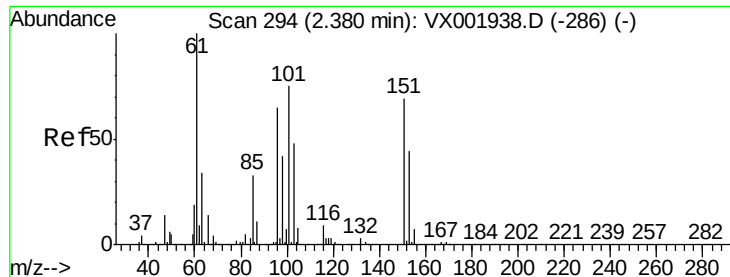


#8

Diethyl Ether
 Concen: 52.43 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		122818		
45	104.9	51.5	154.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.41 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

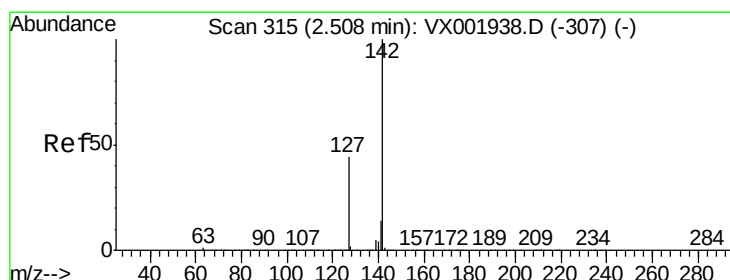
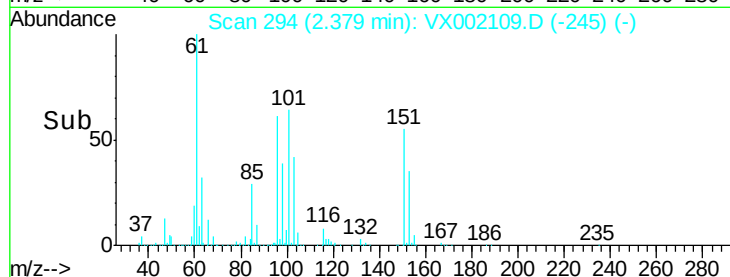
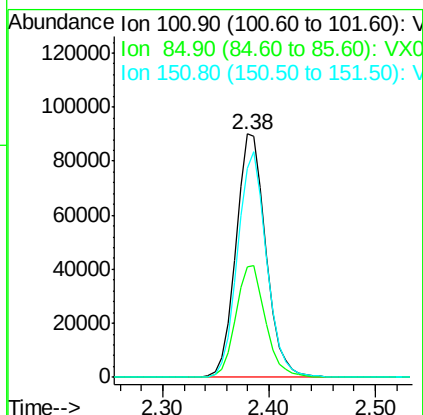
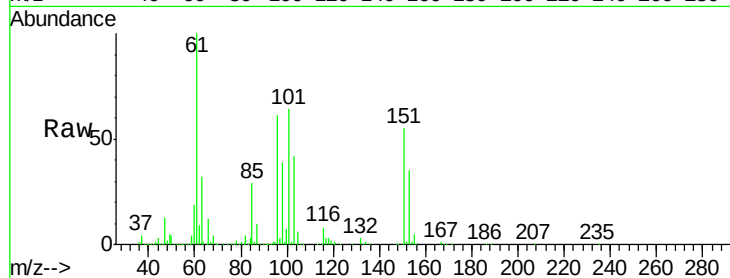
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	178013
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.6	53.4
151	89.9	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 44.72 ug/l

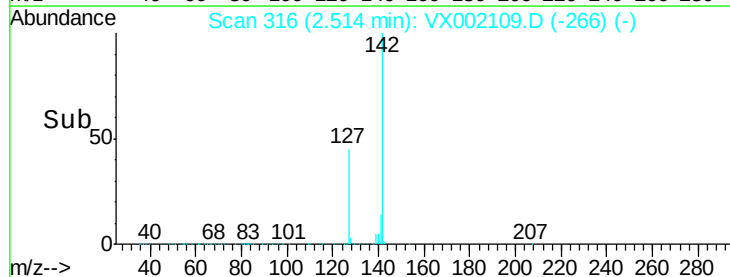
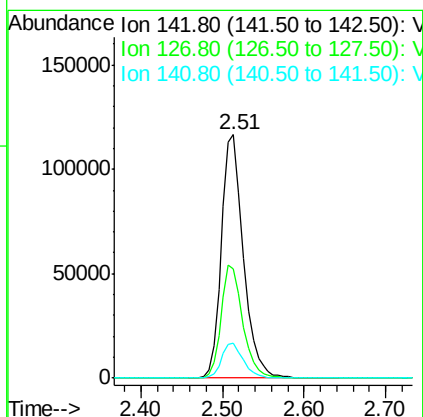
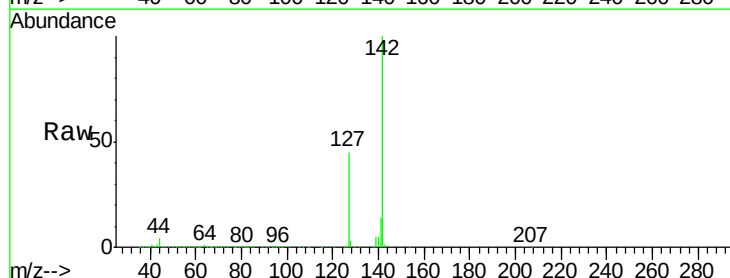
RT: 2.51 min Scan# 316

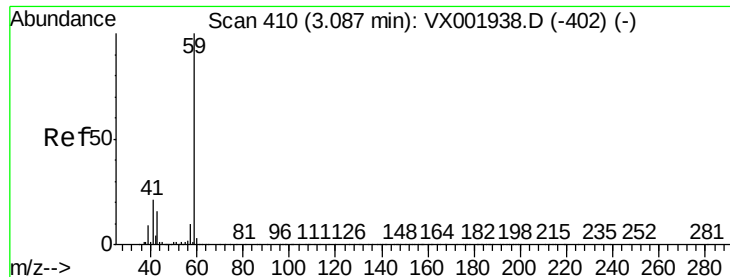
Delta R.T. 0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Tgt Ion:	142	Resp:	217980
Ion Ratio	Lower	Upper	
142	100		
127	45.8	35.5	53.3
141	14.4	11.3	16.9





#11

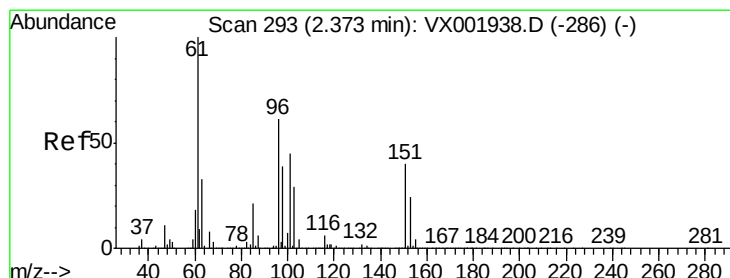
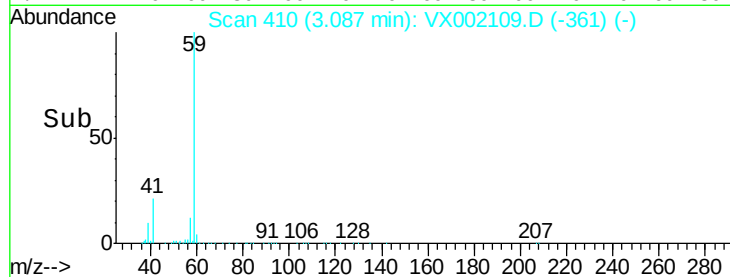
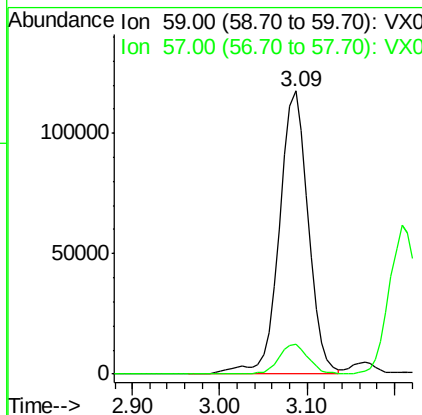
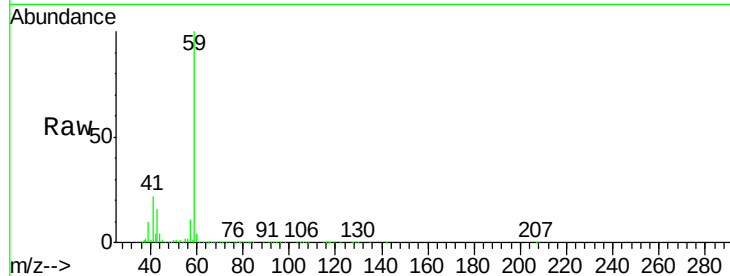
Tert butyl alcohol
Concen: 265.95 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.9	13.3

Manual Integrations
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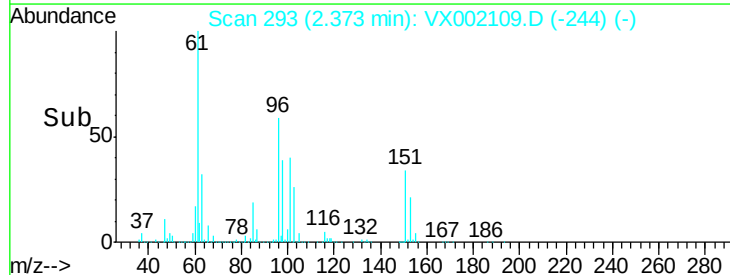
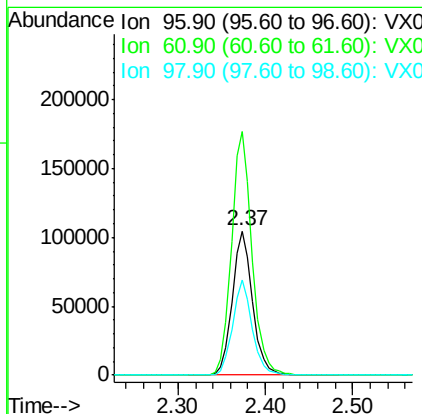
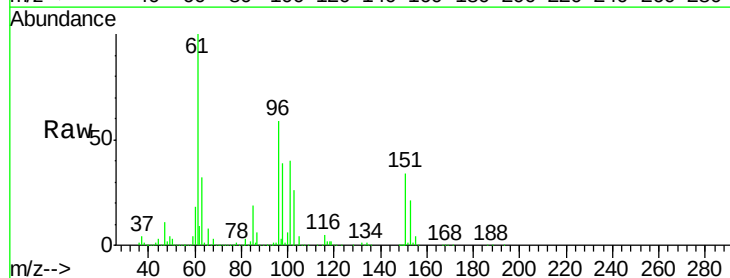
MMDadoda
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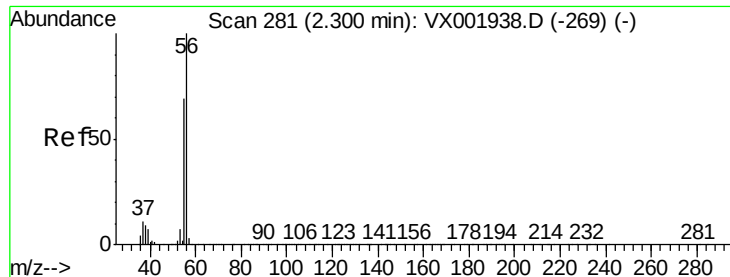


#12

1,1-Dichloroethene
Concen: 50.15 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.8	131.7	197.5
98	65.7	51.6	77.4





#13

Acrolein

Concen: 220.20 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 96665

Ion Ratio Lower Upper

56 100

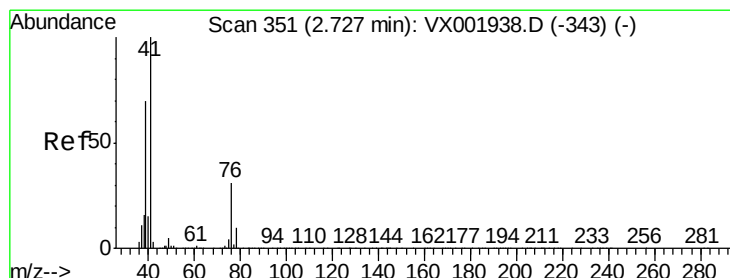
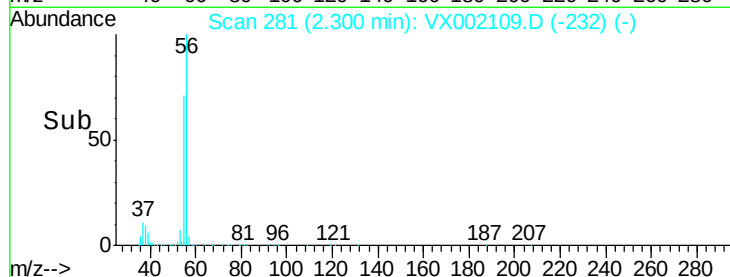
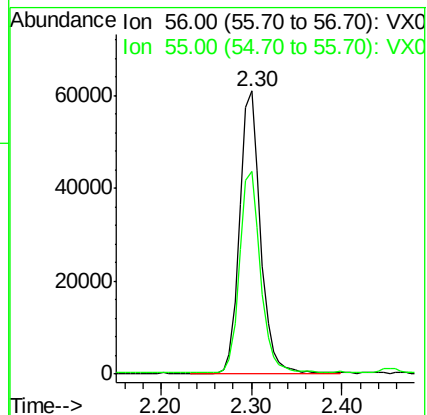
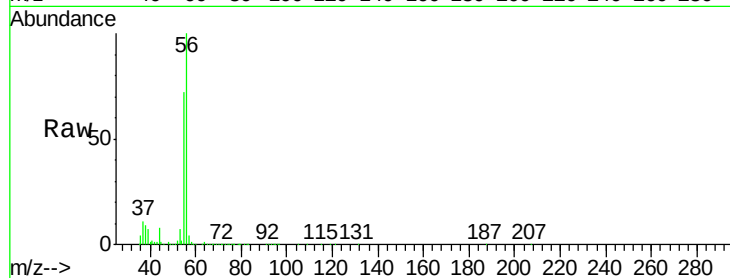
55 71.7 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 50.36 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

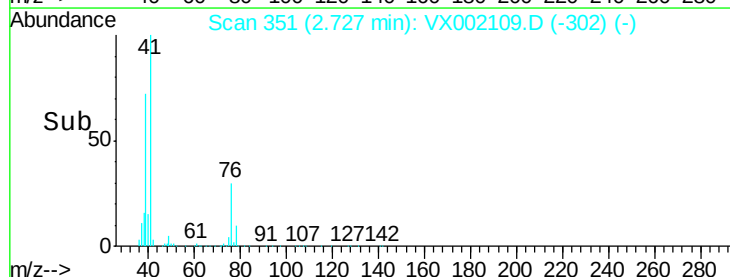
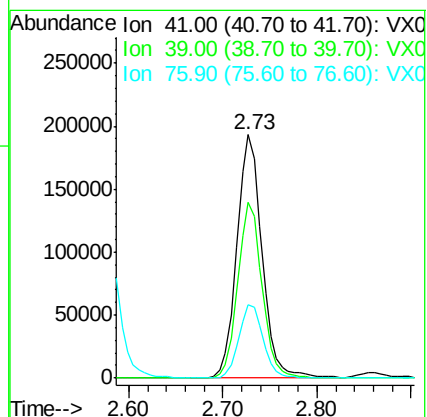
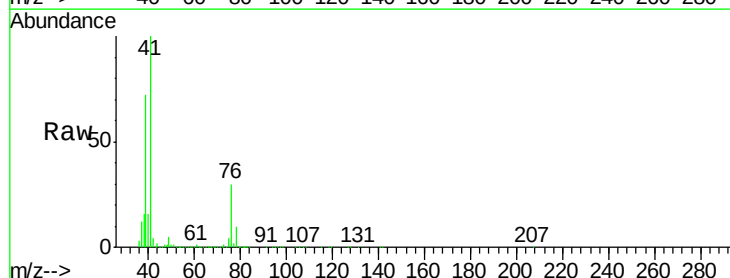
Tgt Ion: 41 Resp: 356564

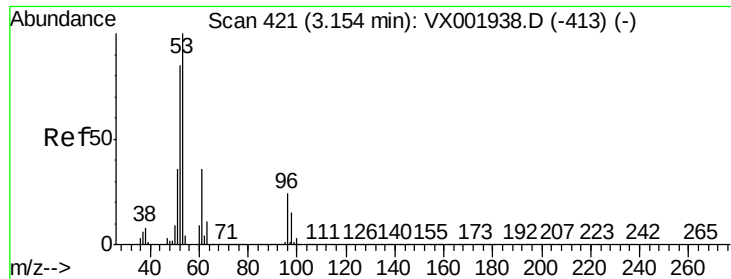
Ion Ratio Lower Upper

41 100

39 69.3 54.3 81.5

76 29.3 24.2 36.4





#15

Acrylonitrile

Concen: 259.50 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002109.D

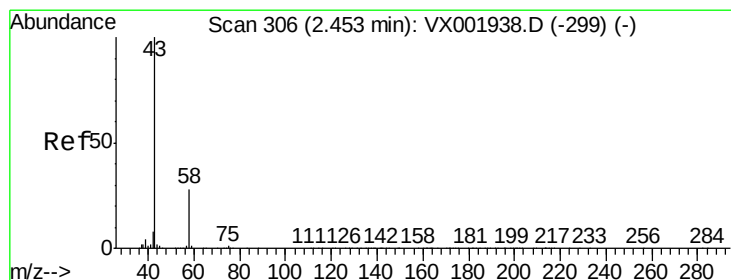
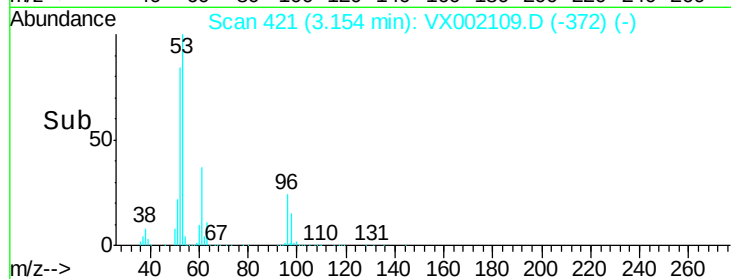
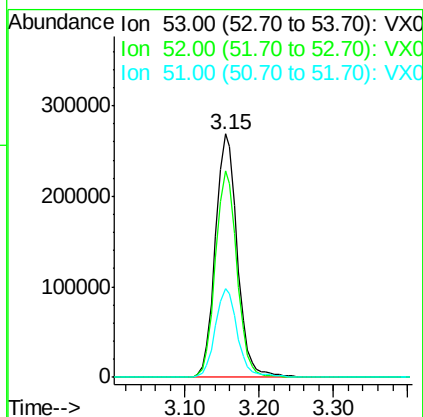
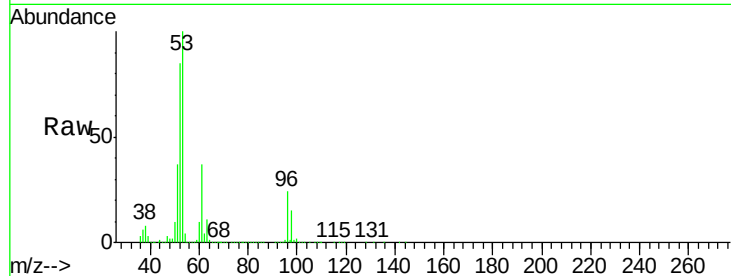
Acq: 29 May 2018 22:53

Tot Ion:	53	Resp:	541806
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.4	99.6
51	37.0	29.3	43.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#16

Acetone

Concen: 251.75 ug/l

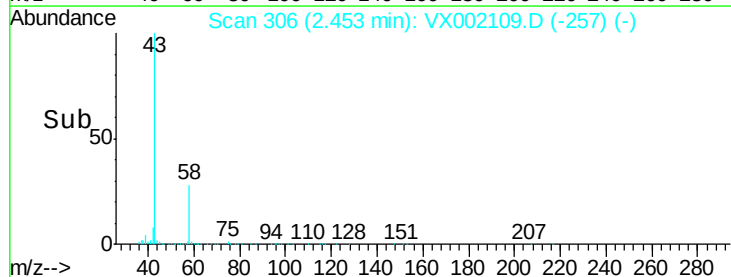
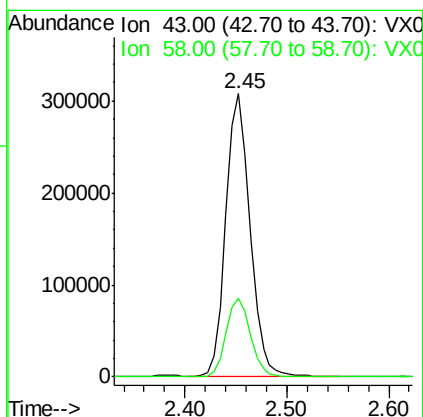
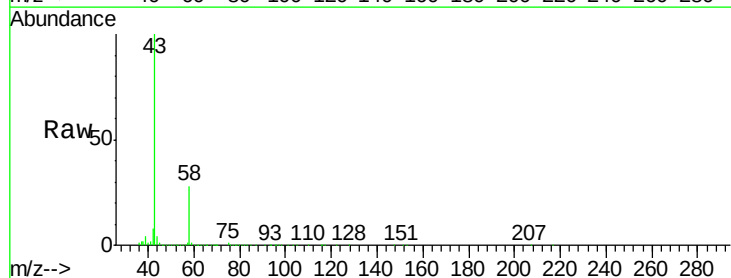
RT: 2.45 min Scan# 306

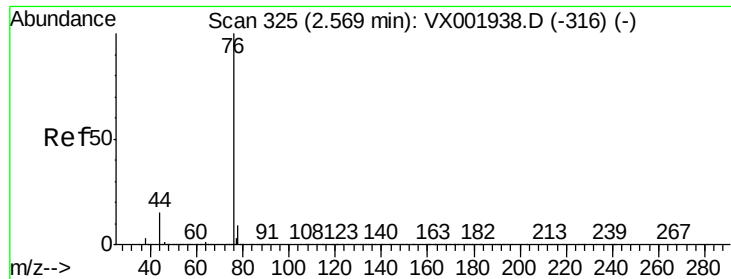
Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Tgt Ion:	43	Resp:	502552
Ion Ratio	Lower	Upper	
43	100		
58	27.7	22.3	33.5





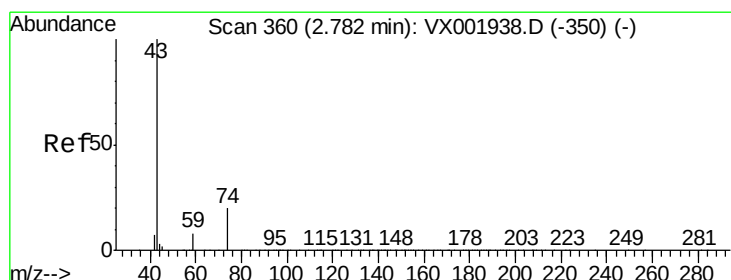
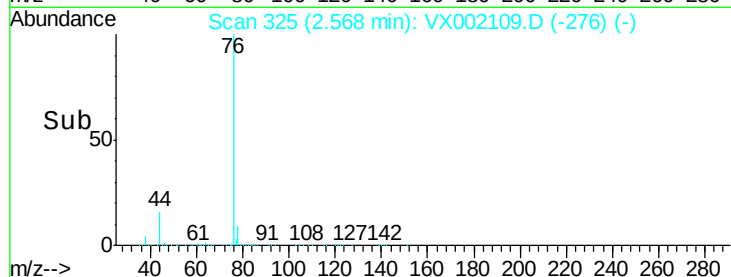
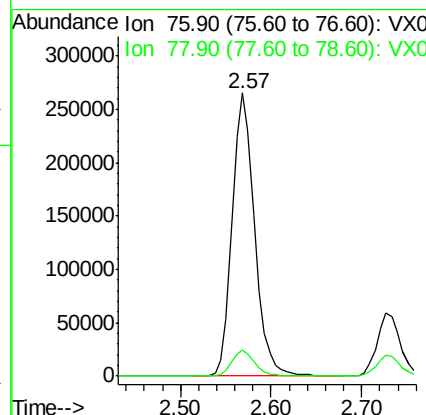
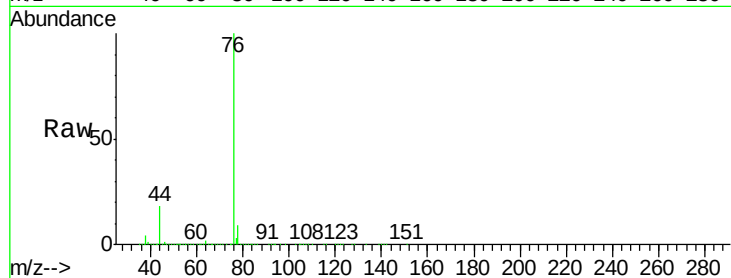
#17
Carbon Disulfide
Concen: 46.87 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

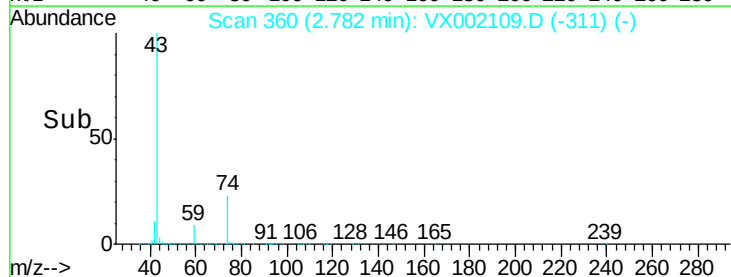
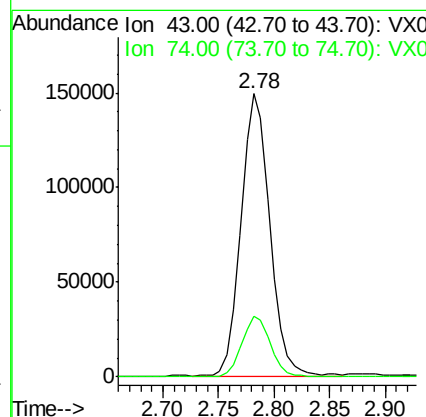
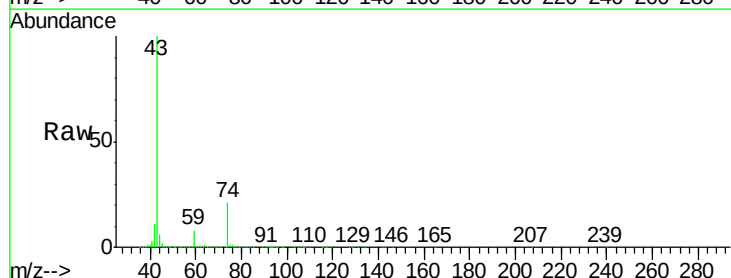
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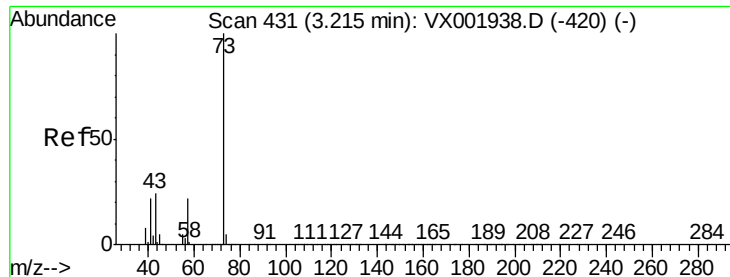
MMDadoda
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#18
Methyl Acetate
Concen: 55.39 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.8	25.2





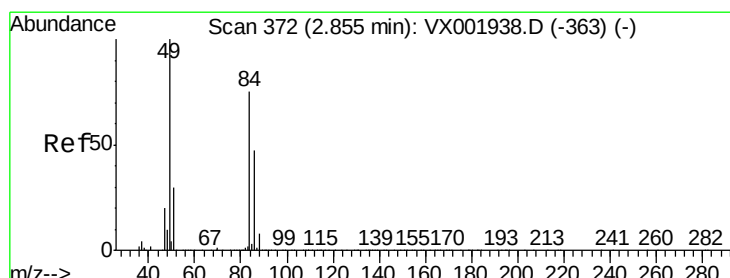
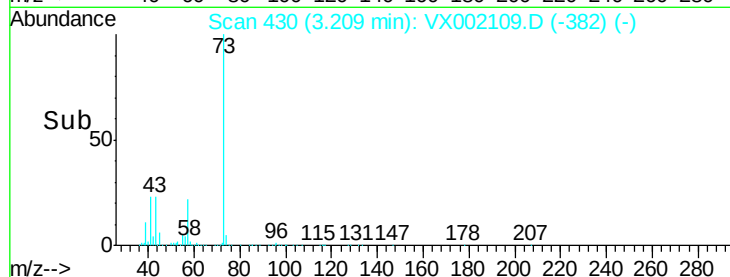
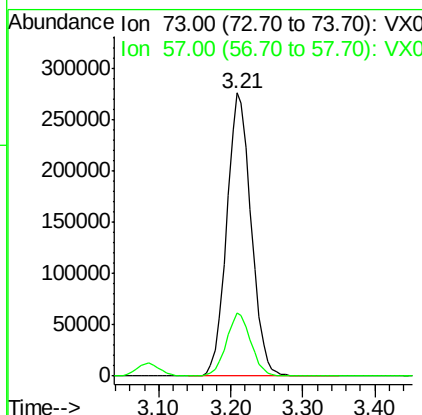
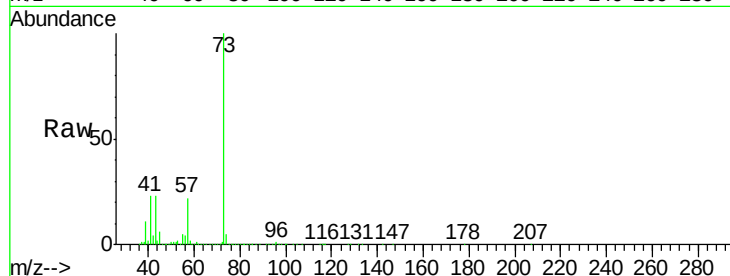
#19
Methyl tert-butyl Ether
Concen: 51.10 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.0

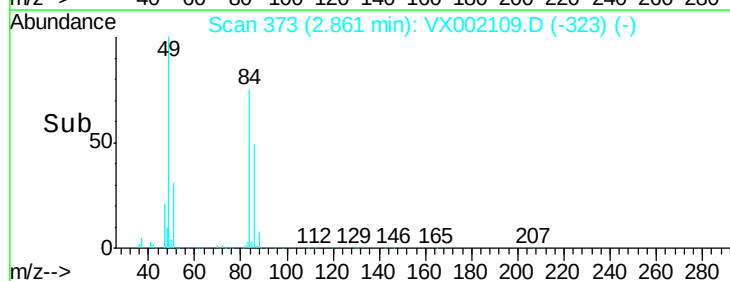
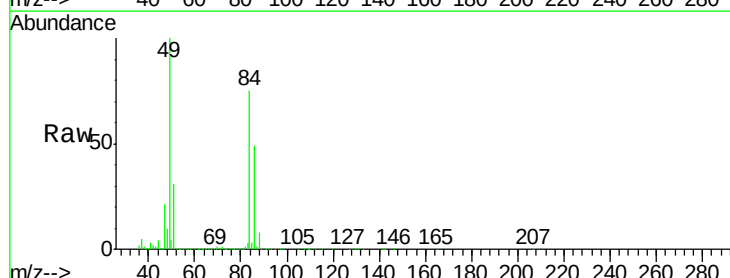
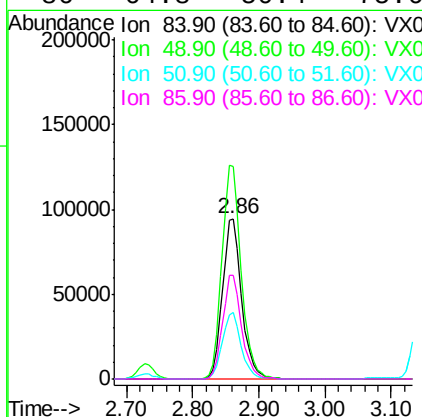
Manual Integrations
APPROVED

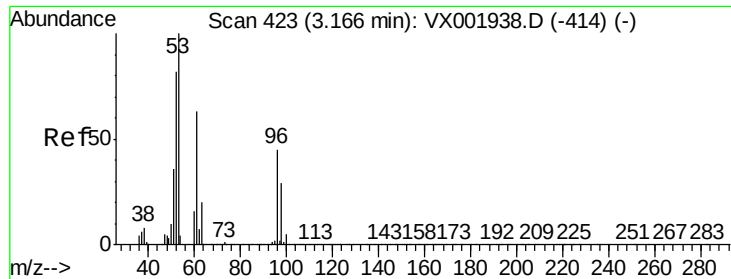
MMDadoda
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#20
Methylene Chloride
Concen: 55.17 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.0	107.2	160.8
51	41.1	32.4	48.6
86	64.8	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 54.74 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

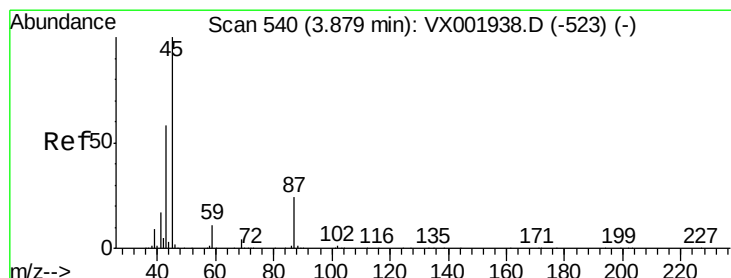
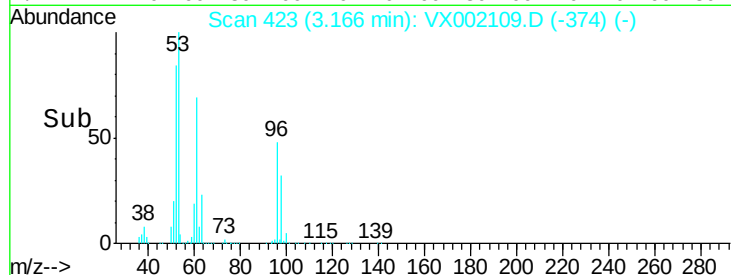
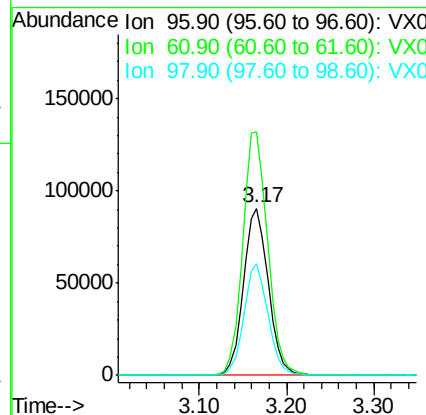
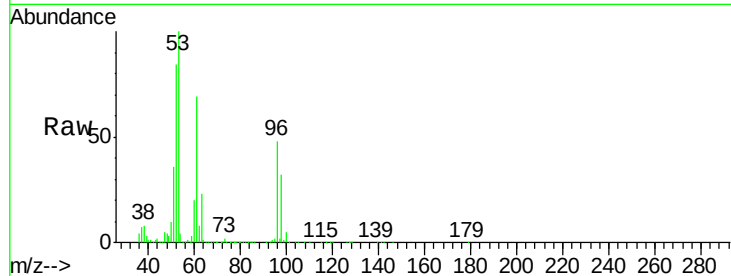
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	179269
Ion	Ratio	Lower	Upper
96	100		
61	145.2	113.3	169.9
98	66.8	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.97 ug/l

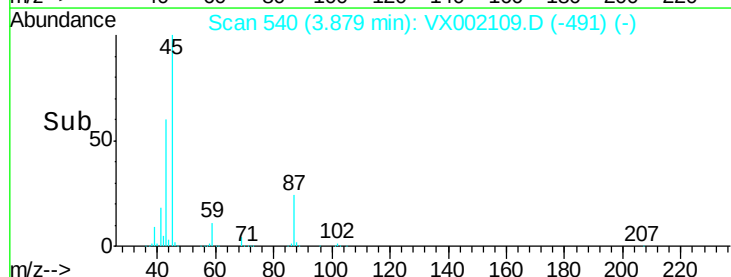
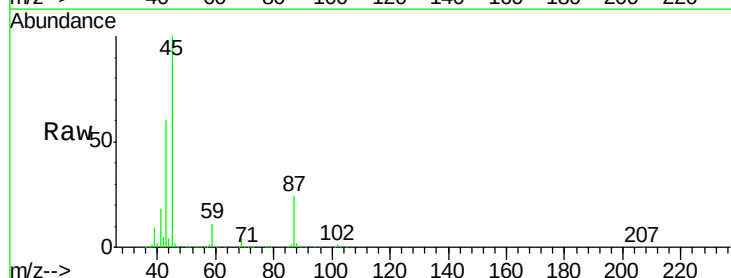
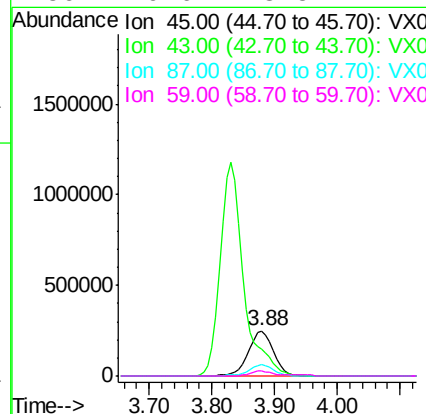
RT: 3.88 min Scan# 540

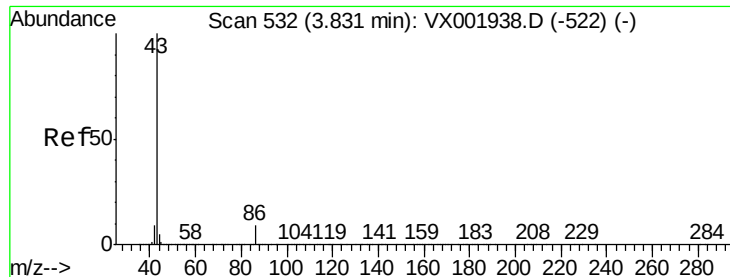
Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Tgt Ion:	45	Resp:	690834
Ion	Ratio	Lower	Upper
45	100		
43	59.5	47.0	70.6
87	24.5	19.4	29.0
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 254.83 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Tot Ion: 43 Resp: 3042731

Ion Ratio Lower Upper

43 100

86 8.9 7.6 11.4

Instrument :

MSVOA_X

ClientSampled :

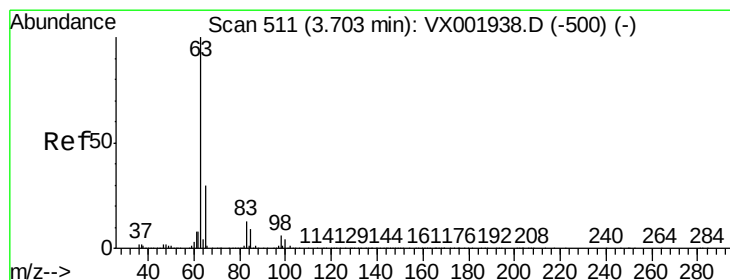
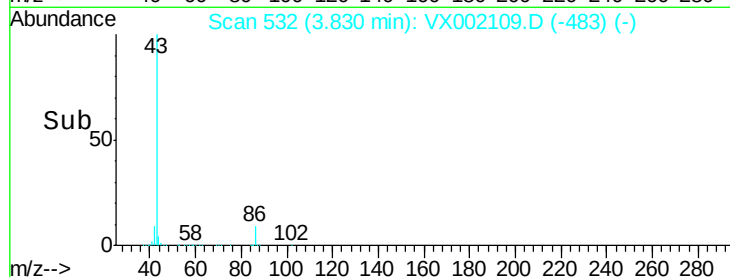
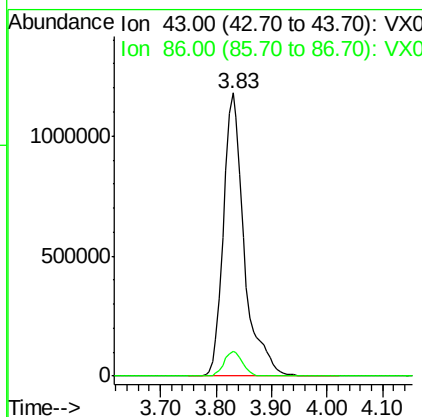
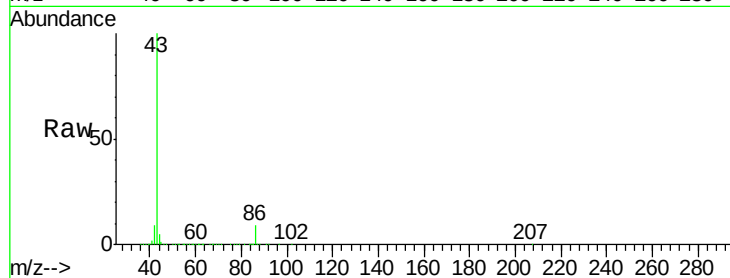
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 50.51 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

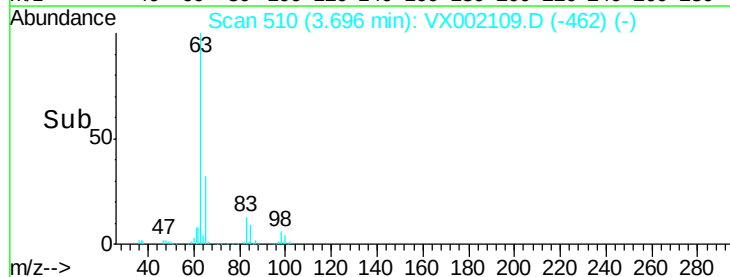
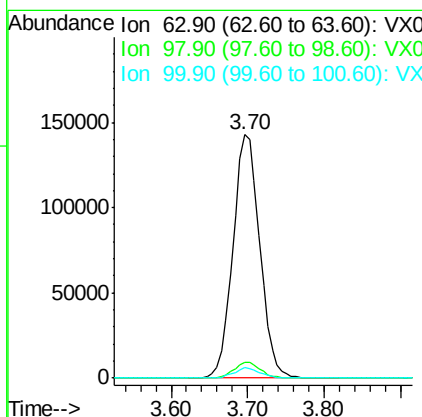
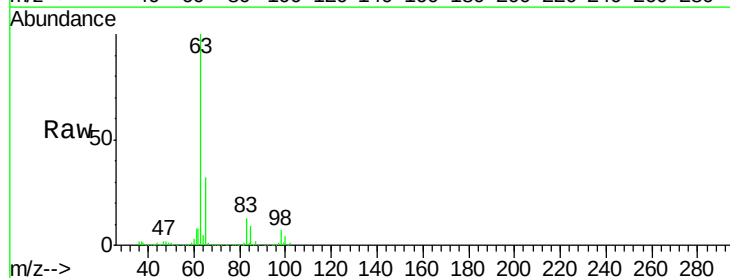
Tgt Ion: 63 Resp: 345506

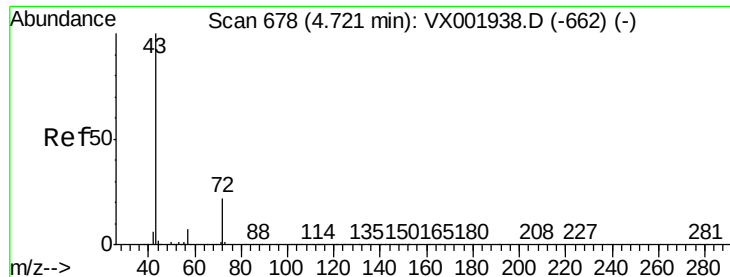
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 225.41 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 824701

Ion Ratio Lower Upper

43 100

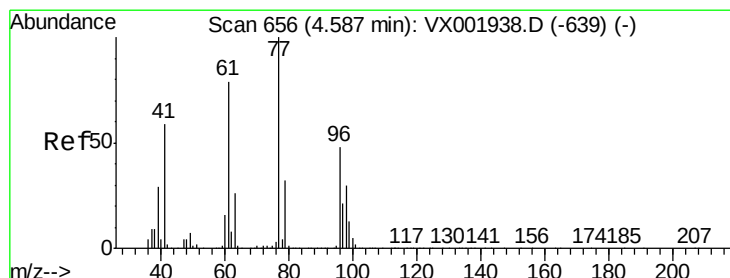
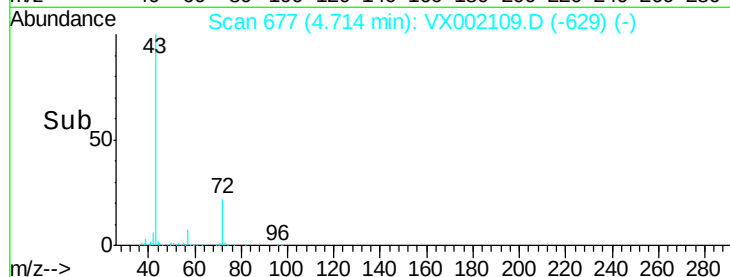
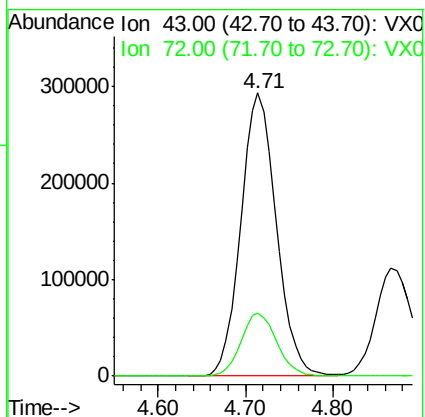
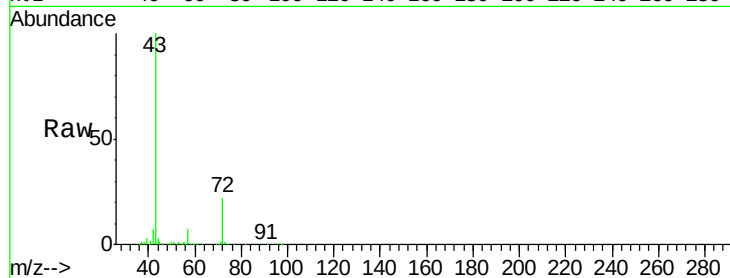
72 22.3 17.9 26.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 36.78 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002109.D

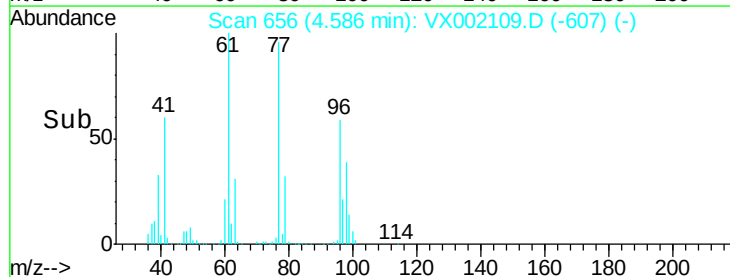
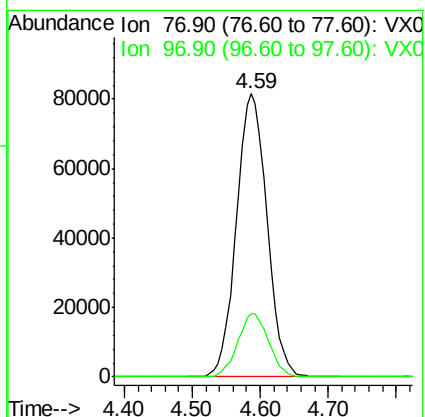
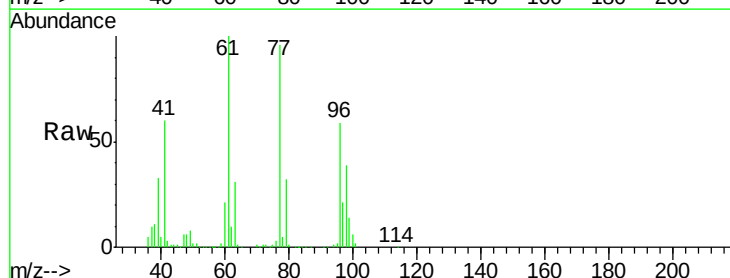
Acq: 29 May 2018 22:53

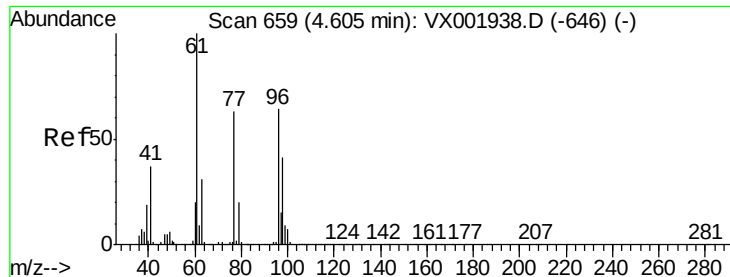
Tgt Ion: 77 Resp: 254684

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

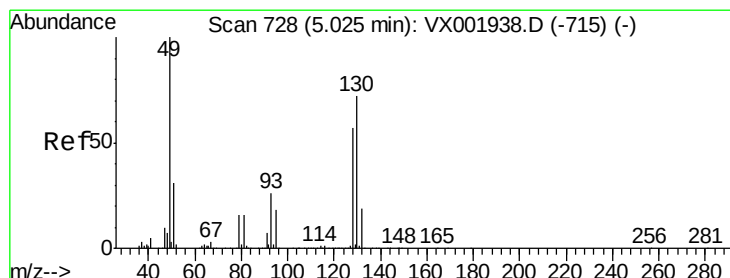
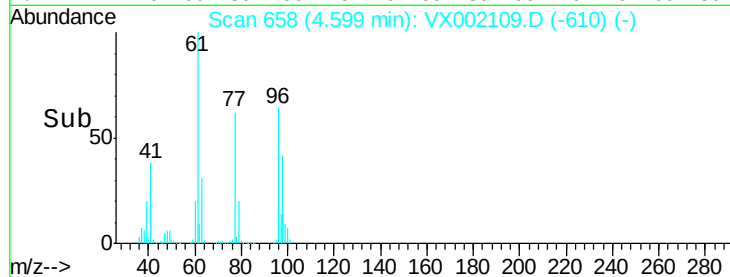
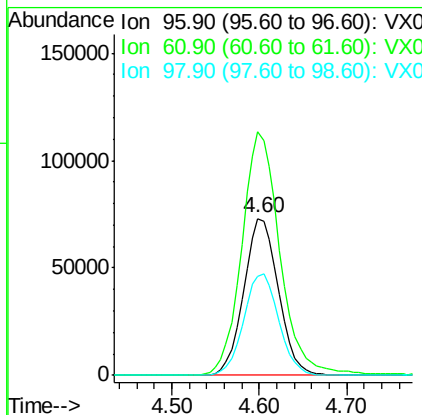
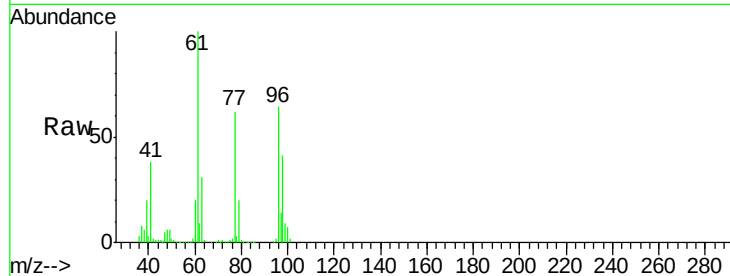
cis-1,2-Dichloroethene
Concen: 45.74 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	201188		
61	171.6	0.0	348.4	
98	65.8	0.0	128.6	

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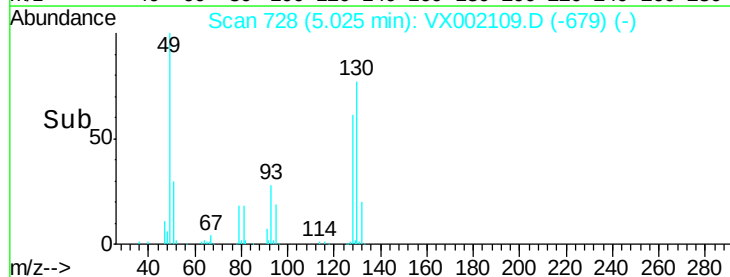
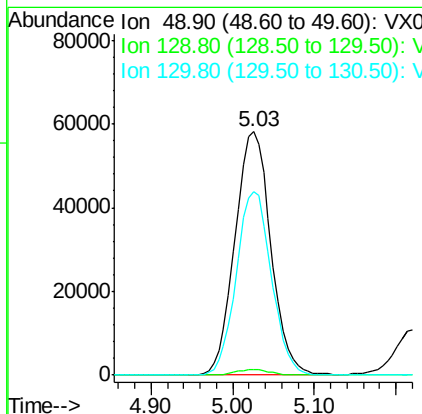
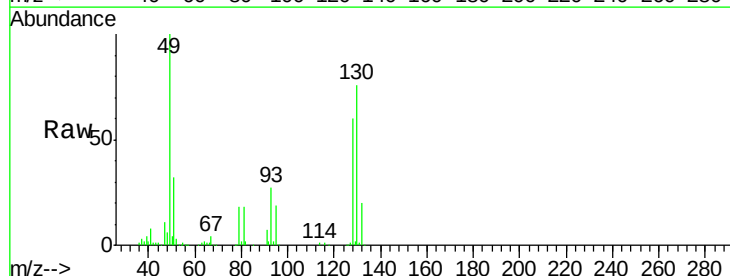
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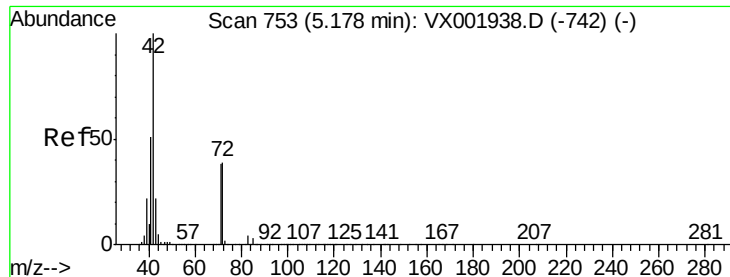


#28

Bromochloromethane
Concen: 62.28 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	177574		
129	2.1	0.0	3.8	
130	73.9	59.4	89.2	





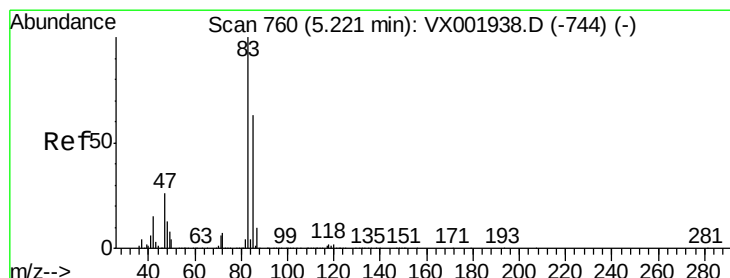
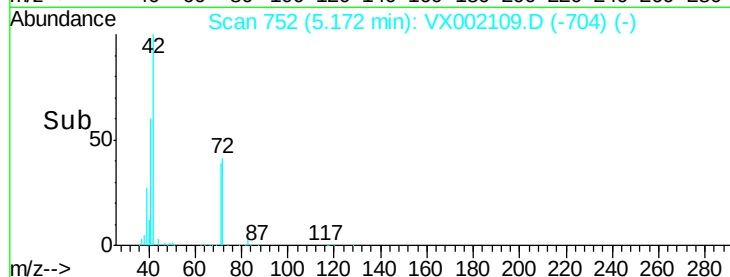
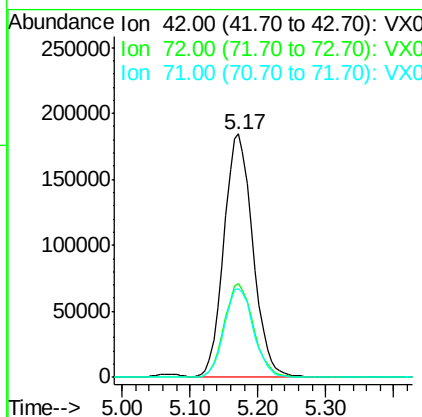
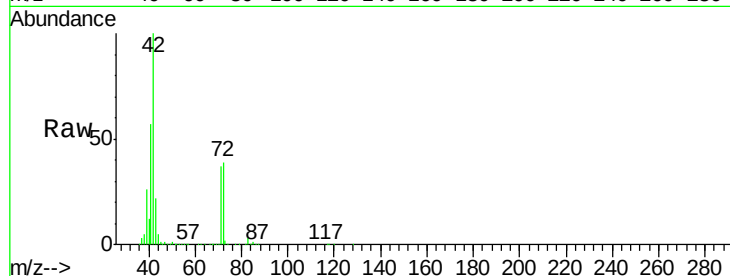
#29
Tetrahydrofuran
Concen: 227.97 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	542667
Ion Ratio		Lower	Upper
42	100		
72	39.2	31.4	47.0
71	37.0	29.5	44.3

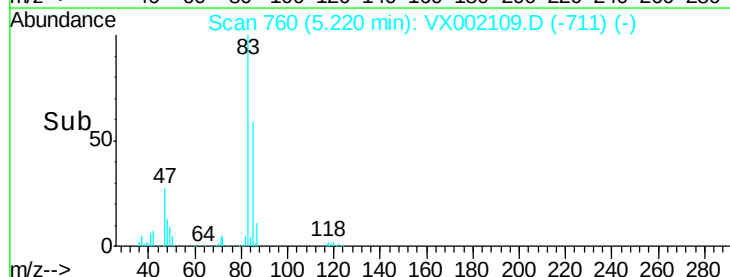
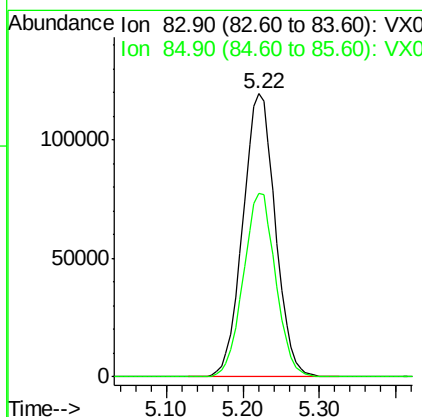
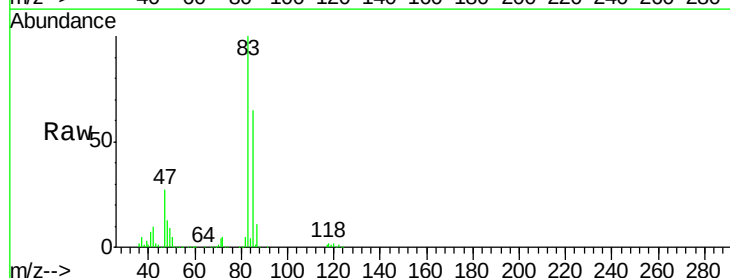
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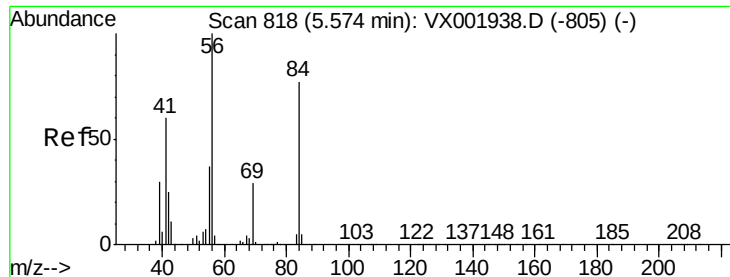
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#30
Chloroform
Concen: 45.77 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion:	83	Resp:	352764
Ion Ratio		Lower	Upper
83	100		
85	65.0	50.9	76.3





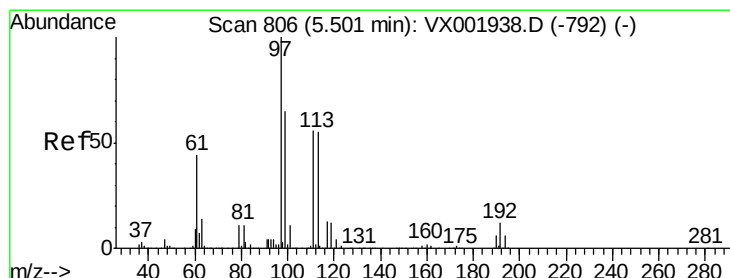
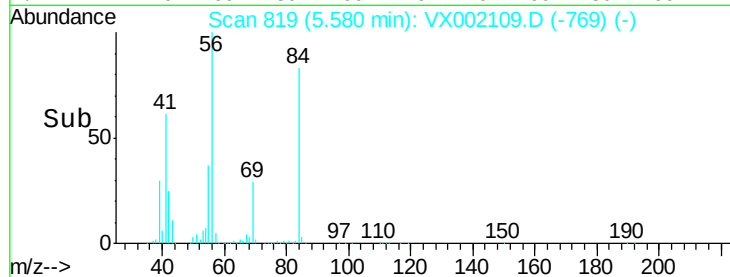
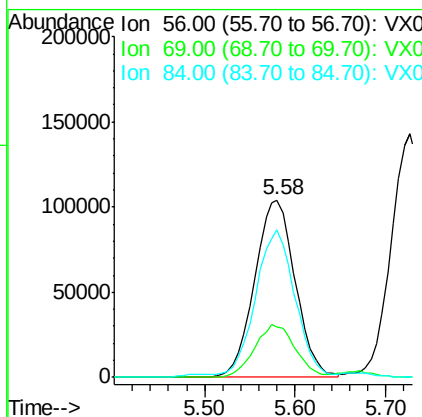
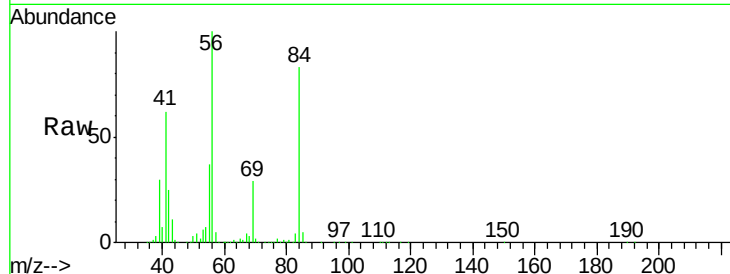
#31
Cyclohexane
Concen: 45.03 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.1	34.7
84	81.6	62.0	93.0

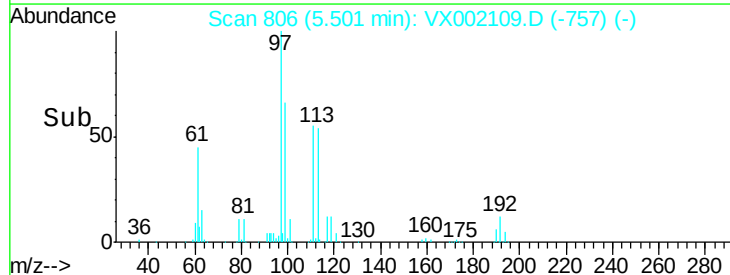
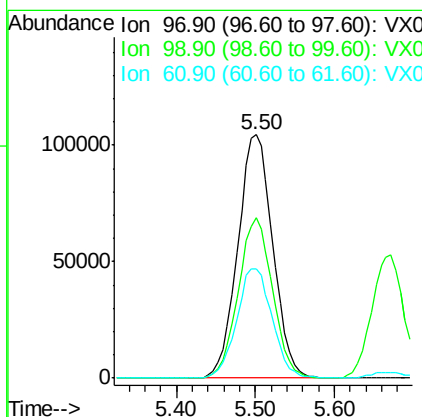
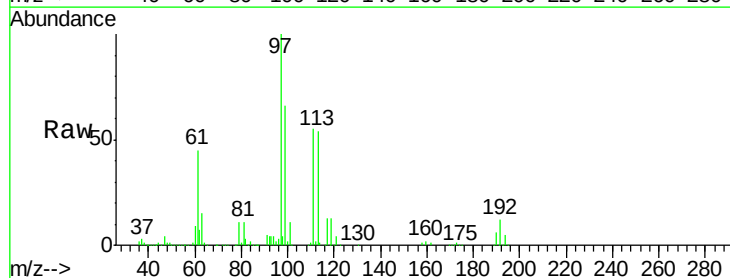
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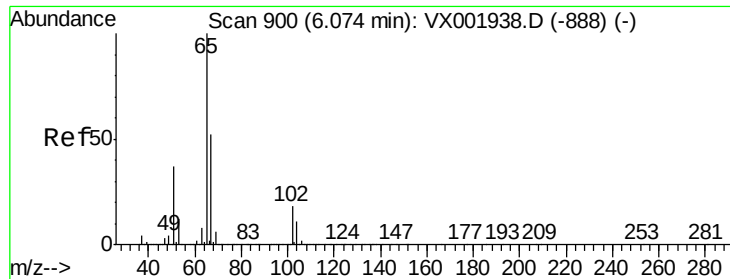
MMDadoda
5/30/2018 1:51:02 PM



#32
1,1,1-Trichloroethane
Concen: 44.88 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	45.6	35.9	53.9





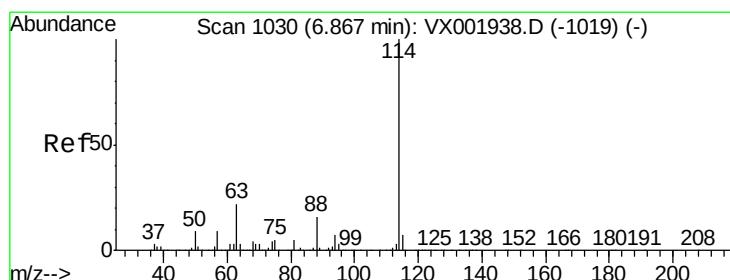
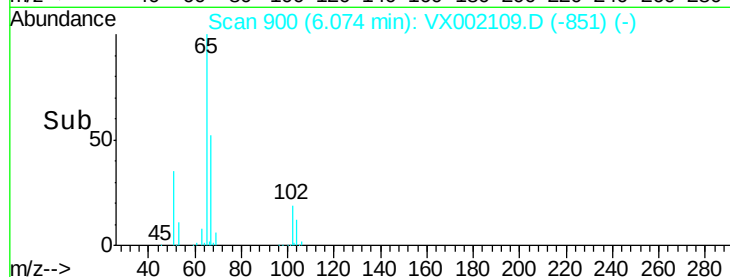
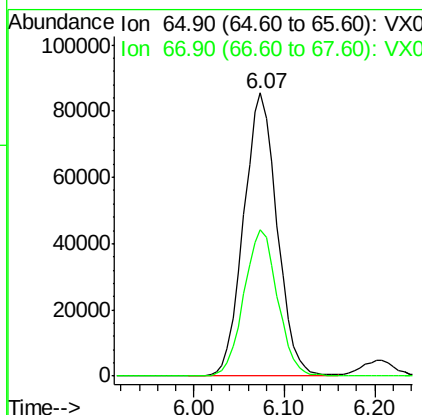
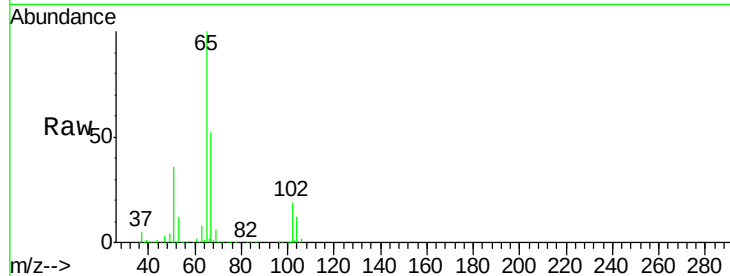
#33
 1,2-Dichloroethane-d4
 Concen: 42.13 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	217908		
67	52.1	0.0	104.0	

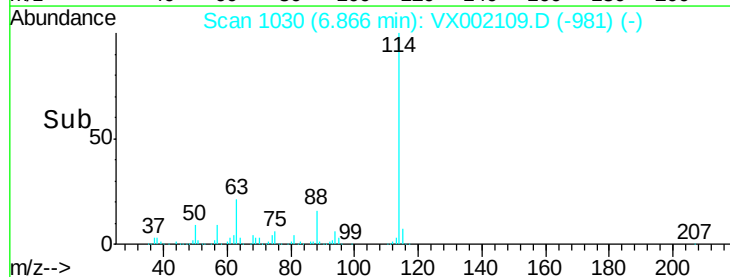
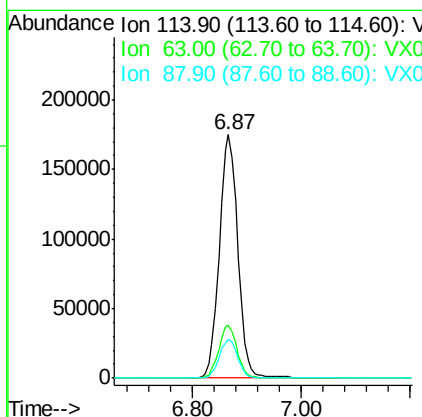
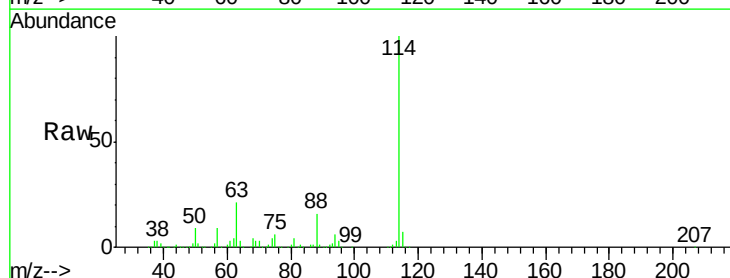
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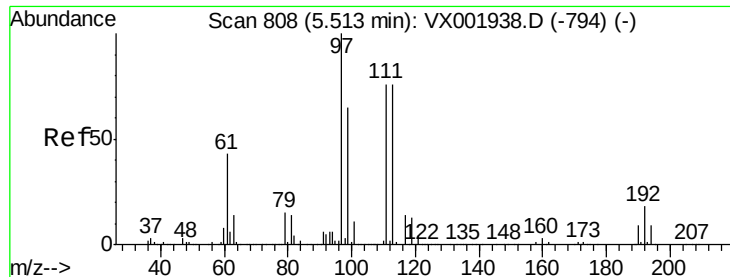
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	412738		
63	21.5	0.0	43.2	
88	15.8	0.0	31.6	





#35

Dibromofluoromethane

Concen: 41.04 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

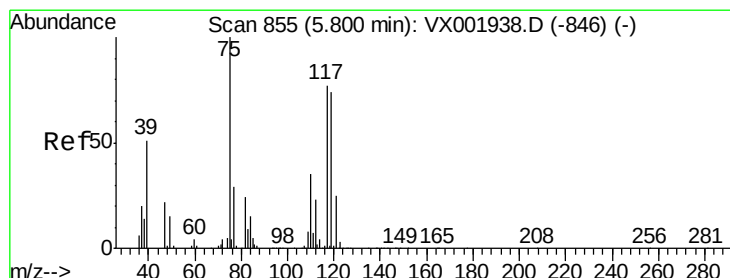
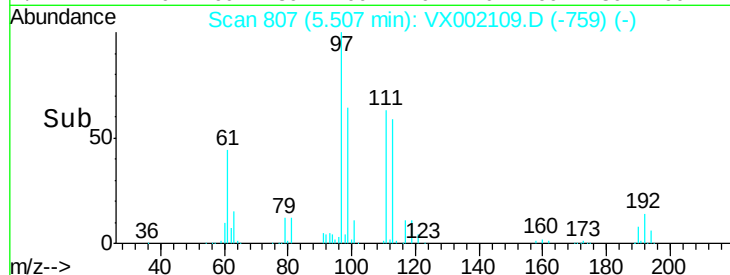
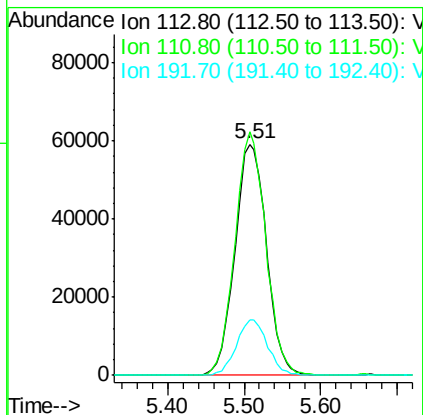
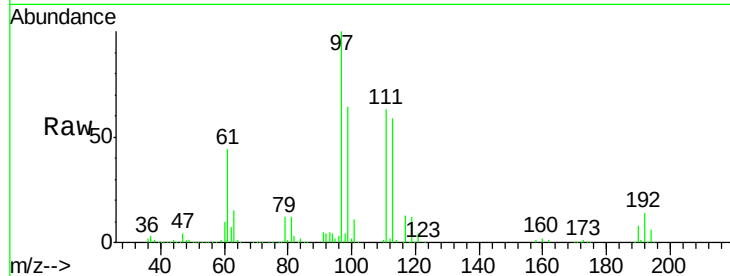
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	169400
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.0	123.0
192	23.7	18.9	28.3

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#36

1,1-Dichloropropene

Concen: 45.31 ug/l

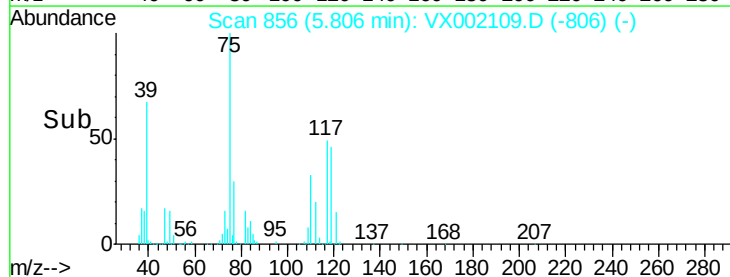
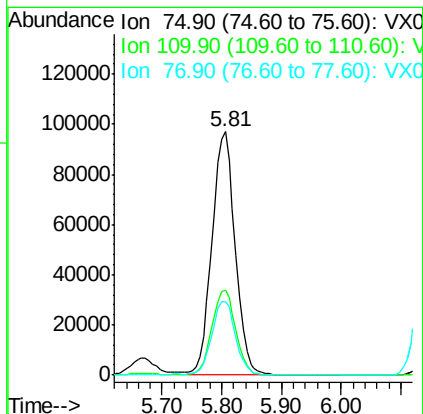
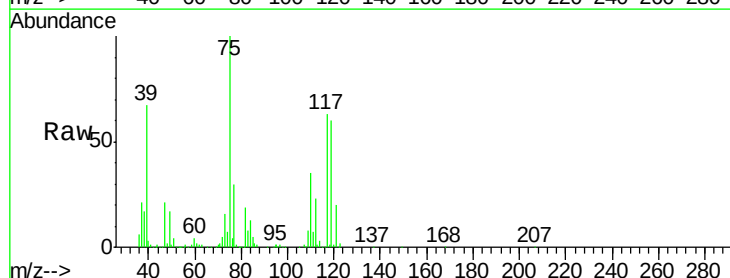
RT: 5.81 min Scan# 856

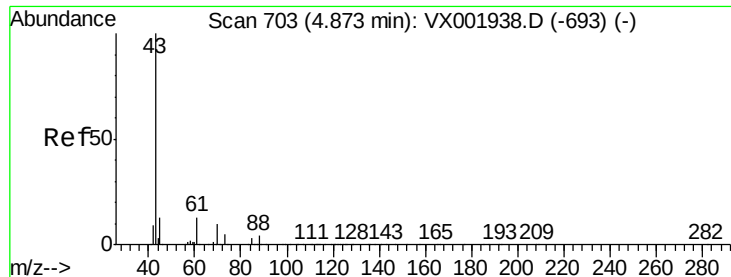
Delta R.T. 0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Tgt Ion:	75	Resp:	260105
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.4	52.2
77	30.9	24.4	36.6





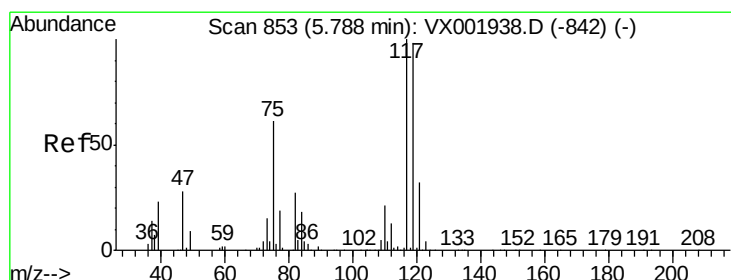
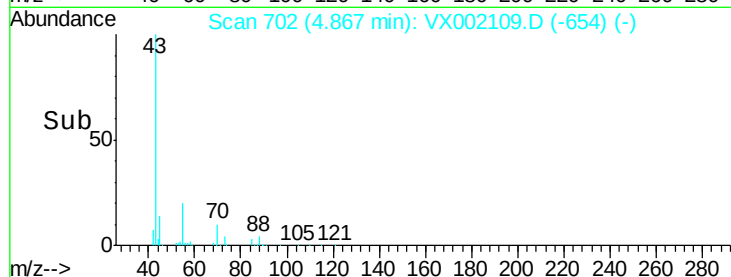
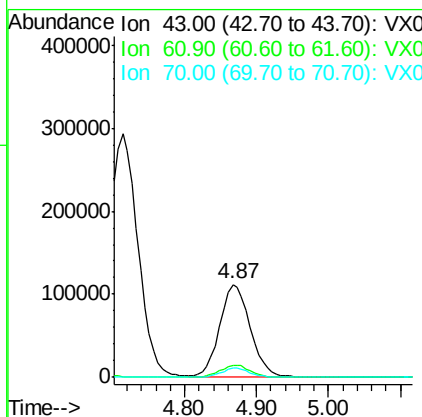
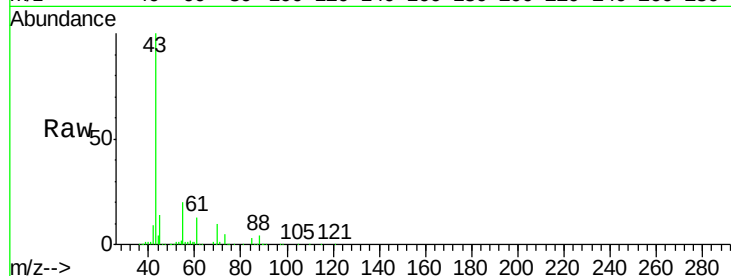
#37
Ethyl Acetate
Concen: 43.93 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.6	7.8	11.8

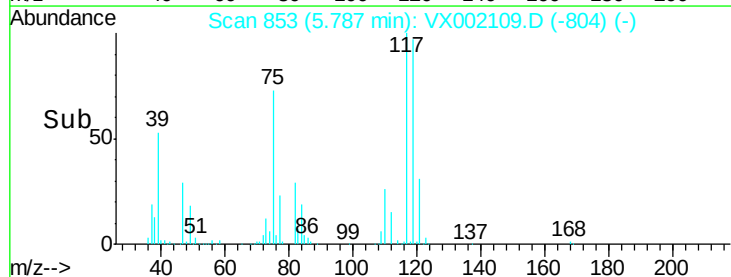
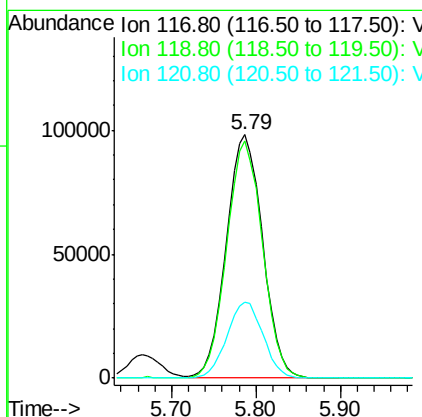
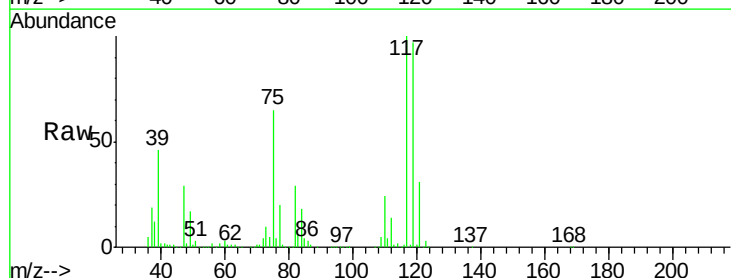
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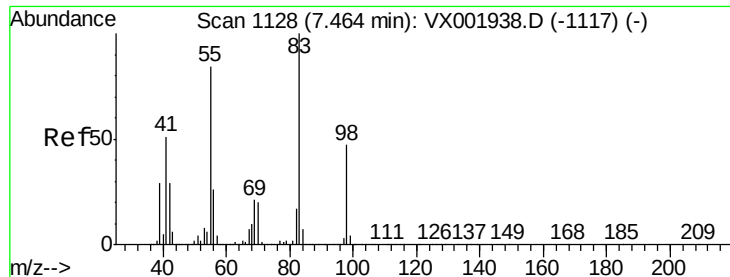
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#38
Carbon Tetrachloride
Concen: 42.84 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	78.5	117.7
121	31.1	25.5	38.3





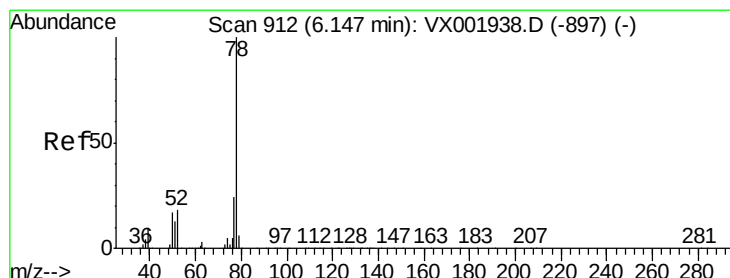
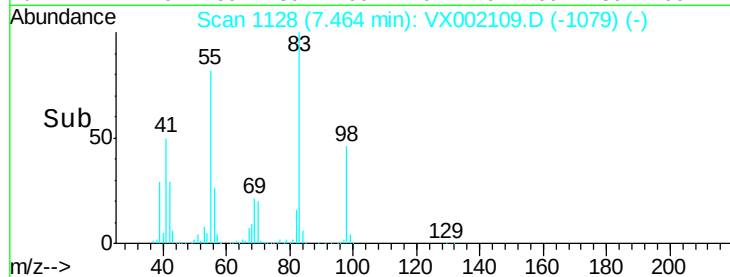
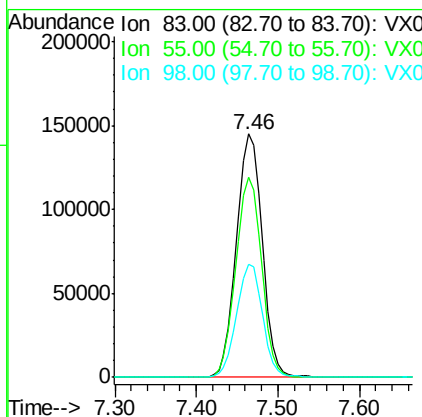
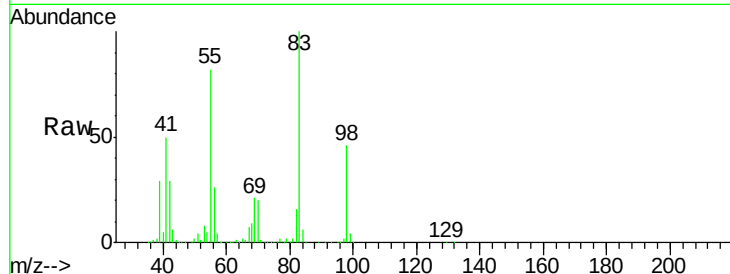
#39
Methylvlcyclohexane
Concen: 45.08 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.9	67.3	100.9	
98	46.4	37.5	56.3	

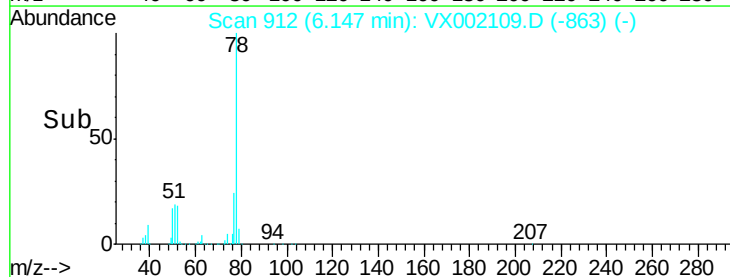
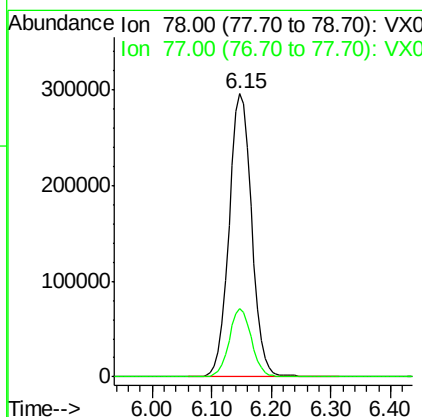
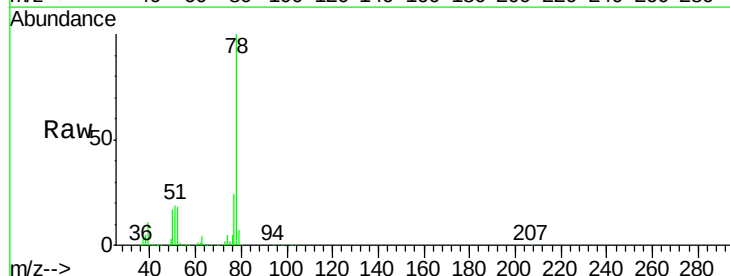
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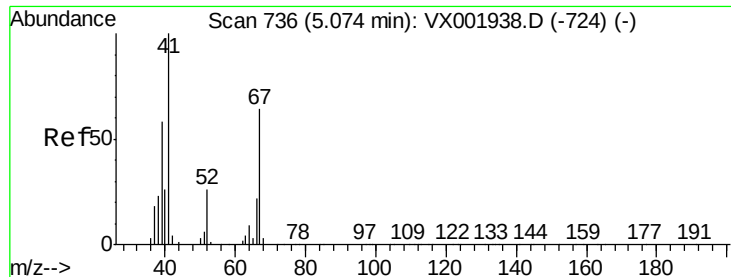
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#40
Benzene
Concen: 46.55 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.1	28.7	





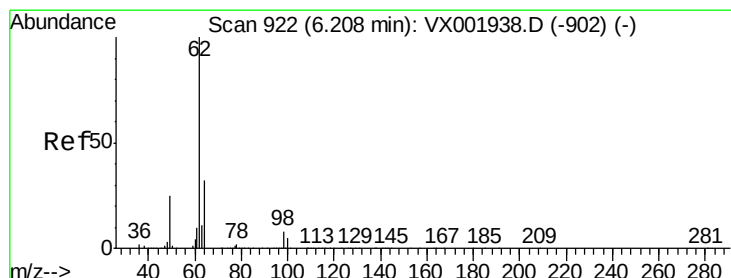
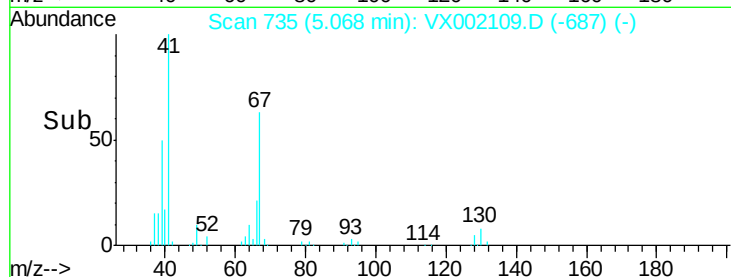
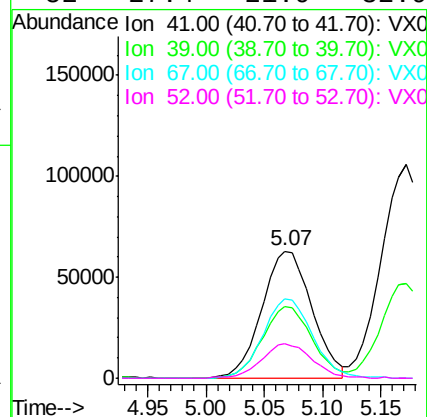
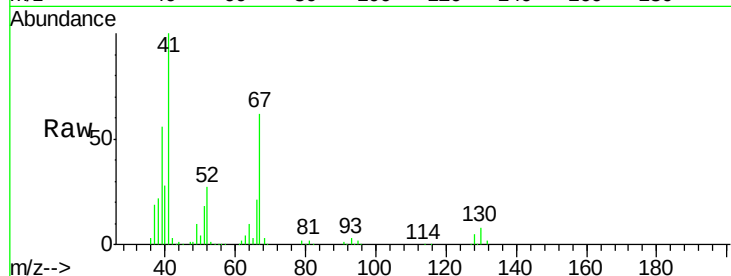
#41
Methacrylonitrile
Concen: 47.16 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	56.3	46.0	69.0		
67	62.8	50.6	75.8		
52	27.4	21.9	32.9		

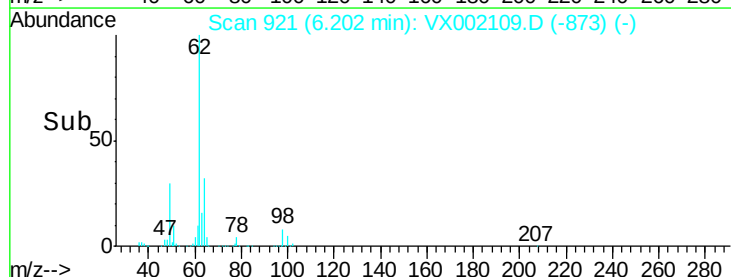
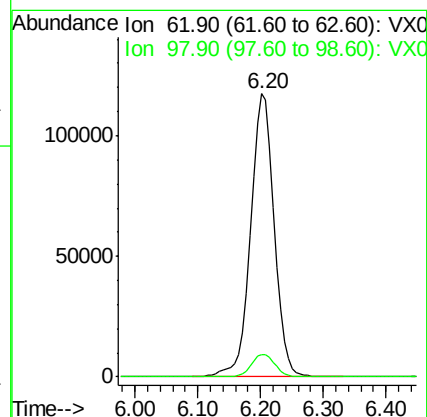
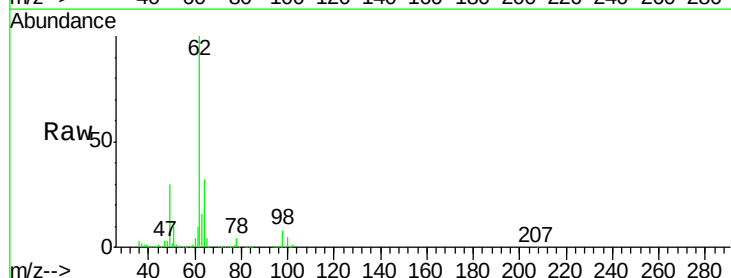
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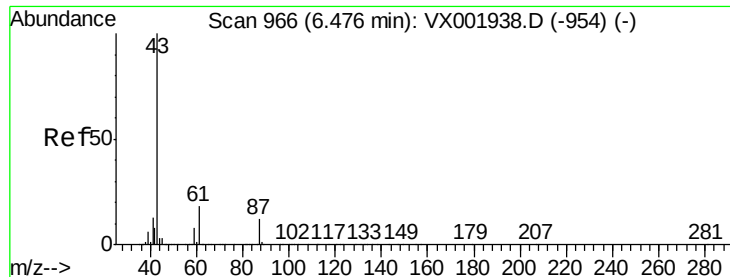
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.20 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.1	0.0	17.0		





#43

Isopropyl Acetate

Concen: 45.01 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

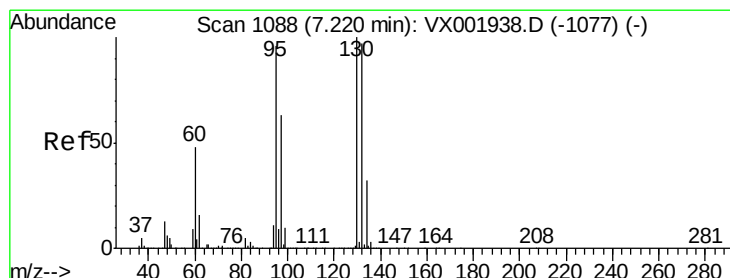
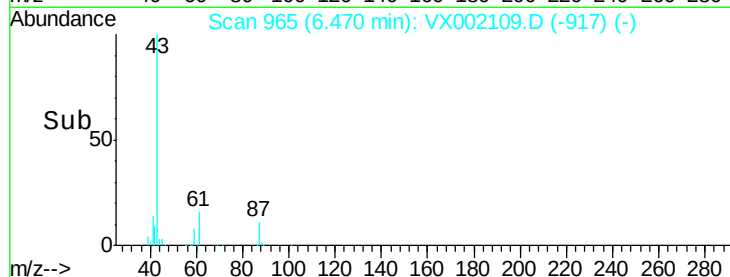
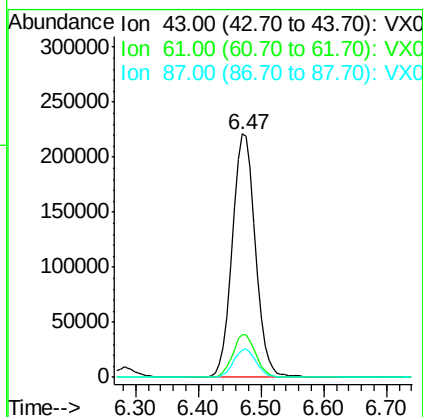
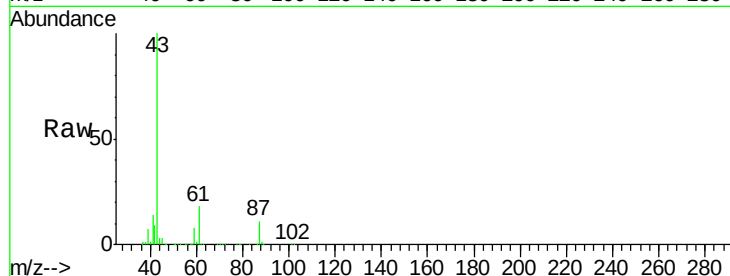
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	561370
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.5	21.7
87	11.5	9.5	14.3

Manual Integrations
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5/30/2018 1:51:02 PM



#44

Trichloroethene

Concen: 45.77 ug/l

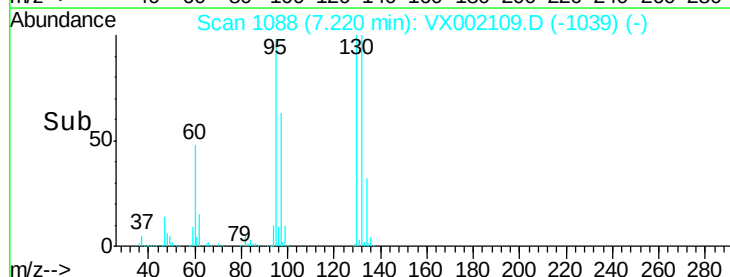
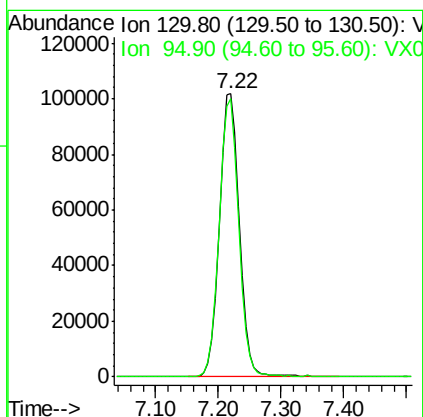
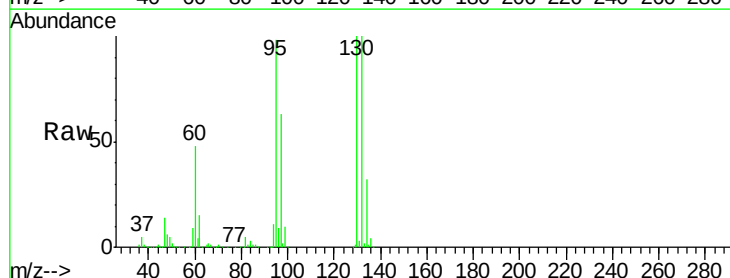
RT: 7.22 min Scan# 1088

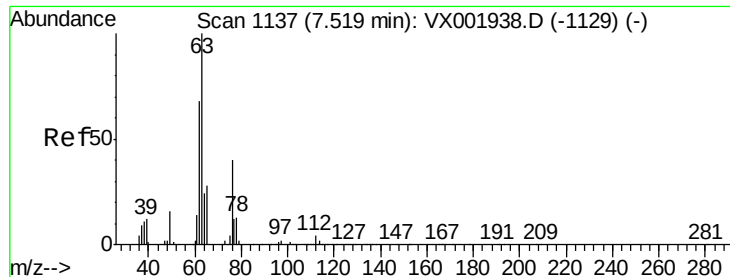
Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Tgt Ion:	130	Resp:	224321
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	192.0





#45

1,2-Dichloropropane

Concen: 46.58 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 212782

Ion Ratio Lower Upper

63 100

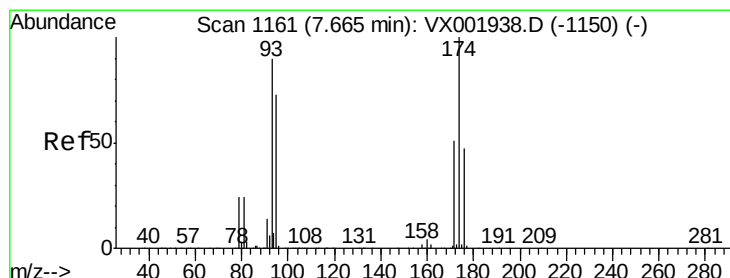
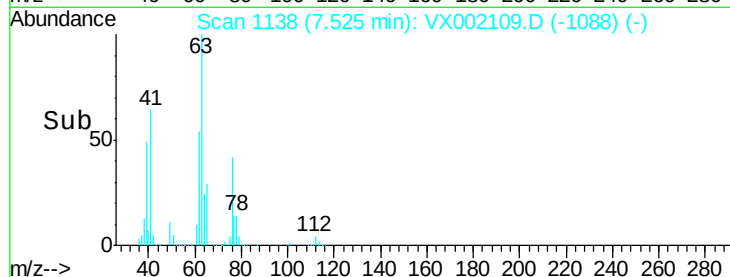
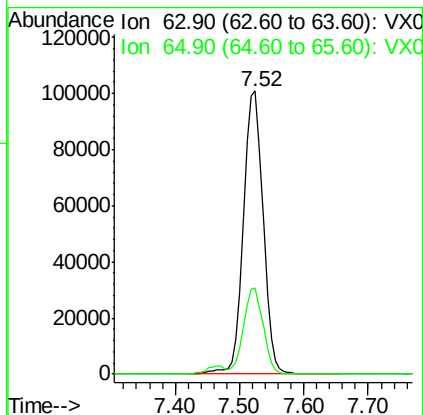
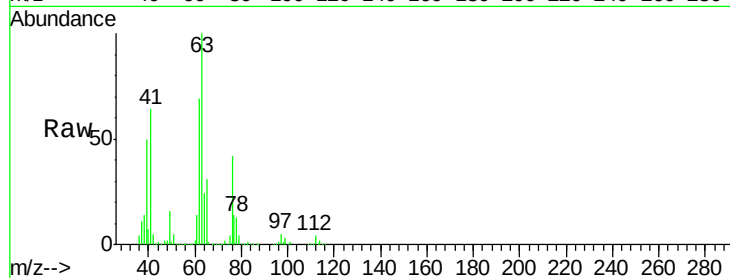
65 30.5 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 45.44 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

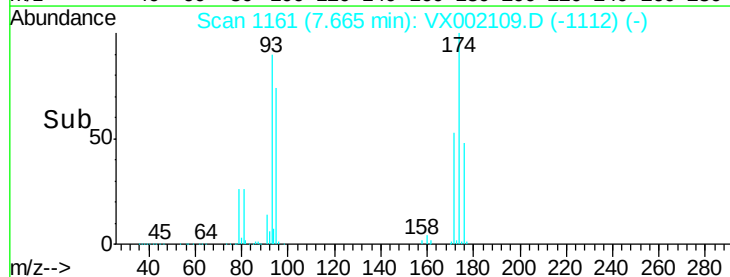
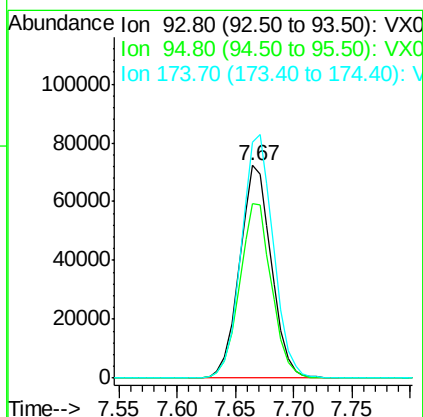
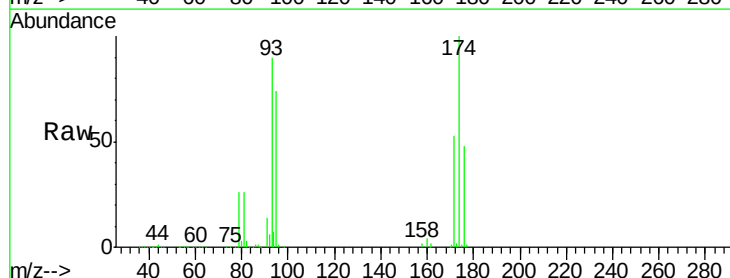
Tgt Ion: 93 Resp: 137418

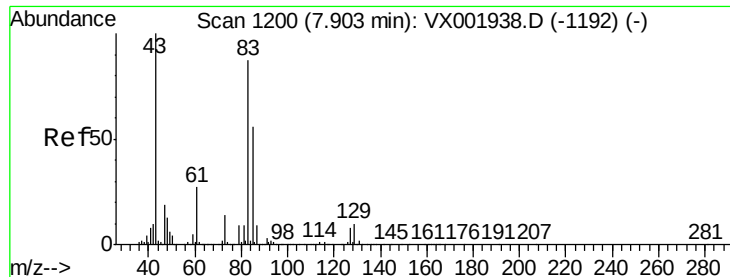
Ion Ratio Lower Upper

93 100

95 82.8 66.1 99.1

174 114.9 92.5 138.7





#47

Bromodichloromethane

Concen: 42.43 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

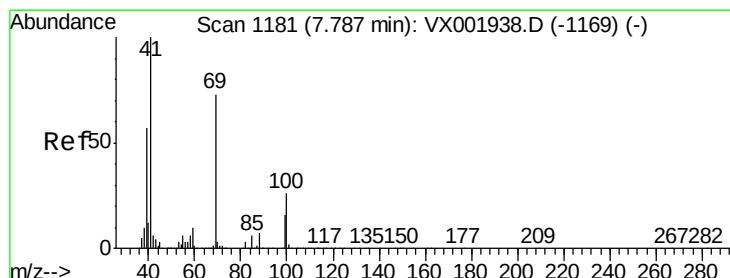
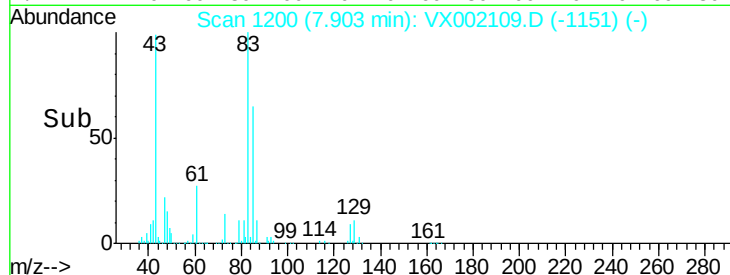
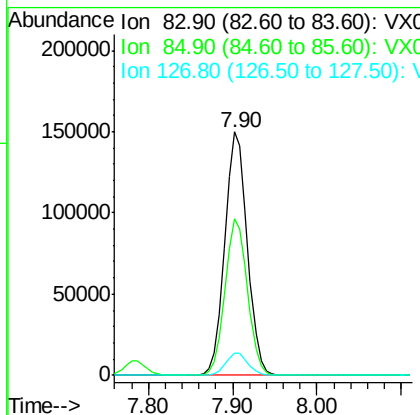
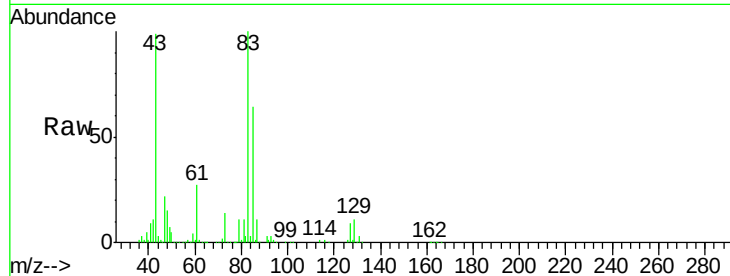
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	273579
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2
127	9.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.80 ug/l

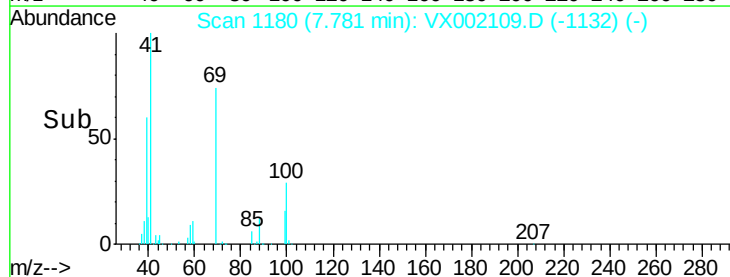
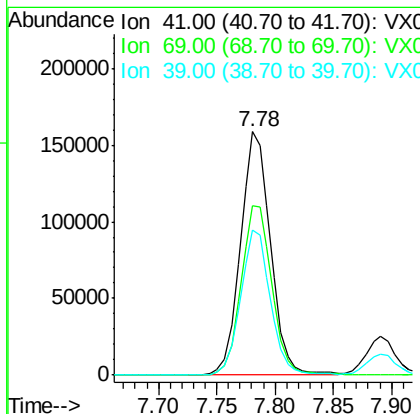
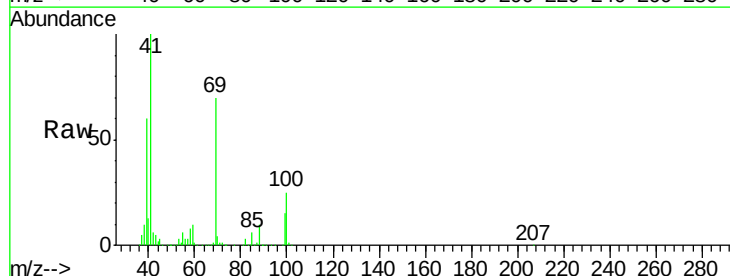
RT: 7.78 min Scan# 1180

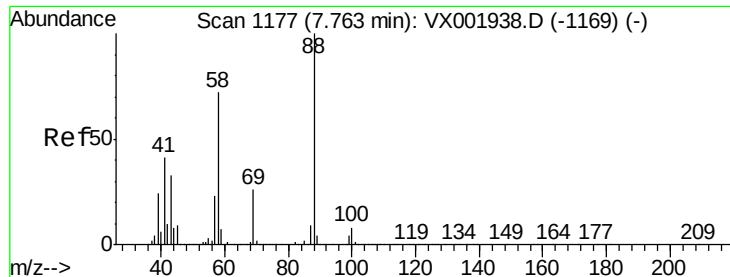
Delta R.T. -0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Tgt Ion	41	Resp	284324
Ion	Ratio	Lower	Upper
41	100		
69	71.9	58.6	87.8
39	59.3	46.3	69.5





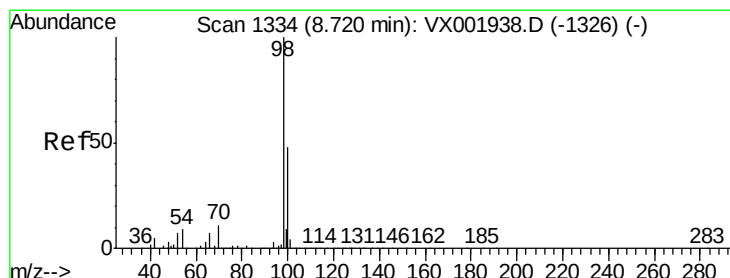
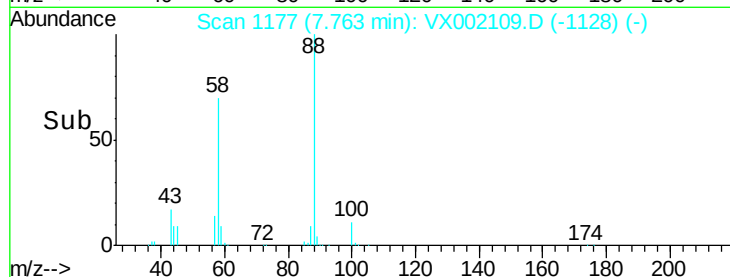
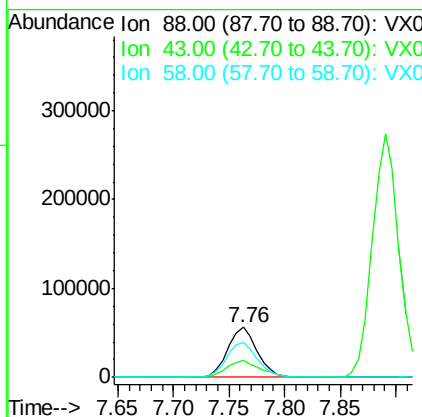
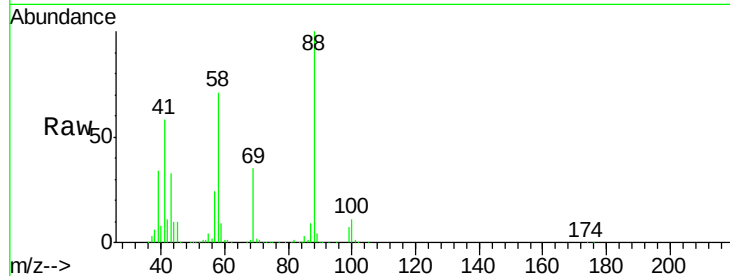
#49
1,4-Dioxane
Concen: 922.11 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	29.8	44.8
58	73.7	58.7	88.1

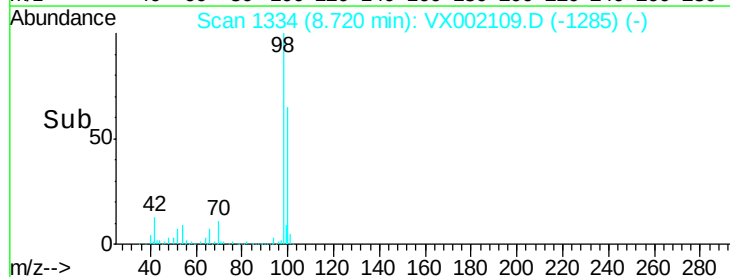
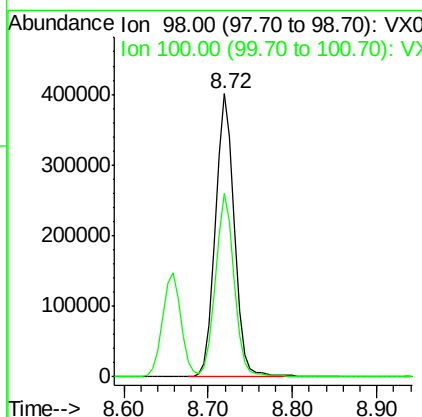
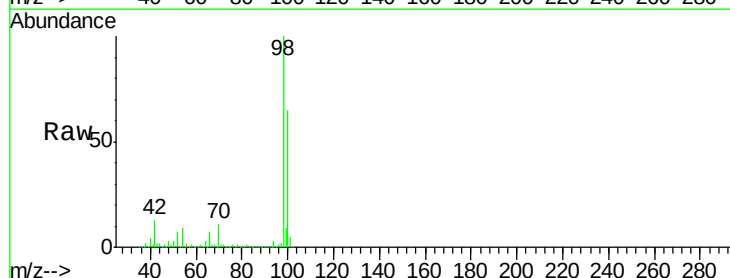
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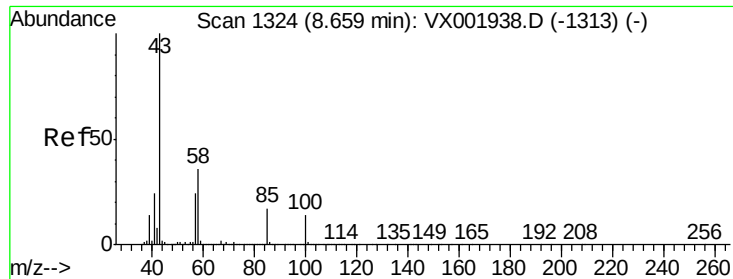
MMDadoda
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#50
Toluene-d8
Concen: 41.86 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





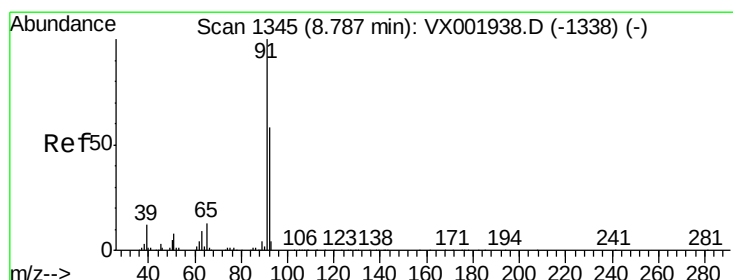
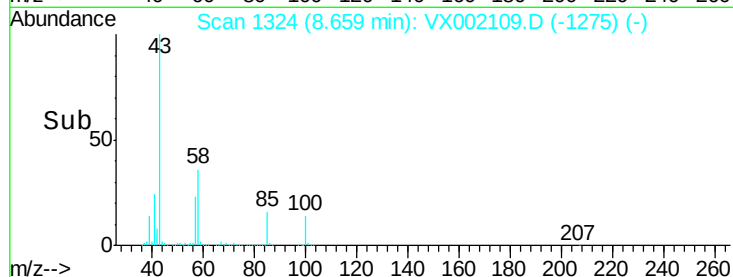
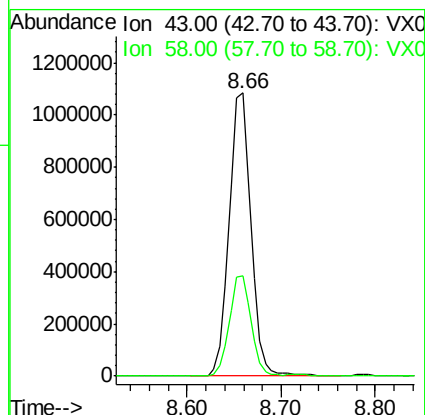
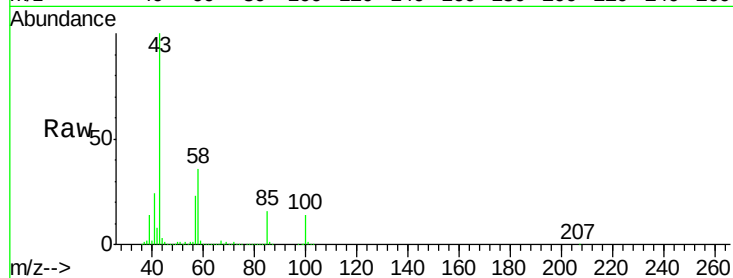
#51
4-Methyl-2-Pentanone
Concen: 232.65 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1748998
Ion Ratio Lower Upper
43 100
58 35.1 28.5 42.7

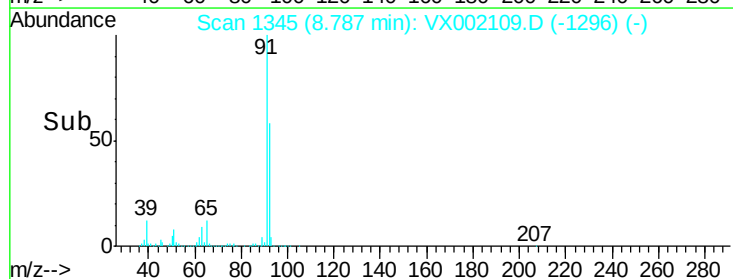
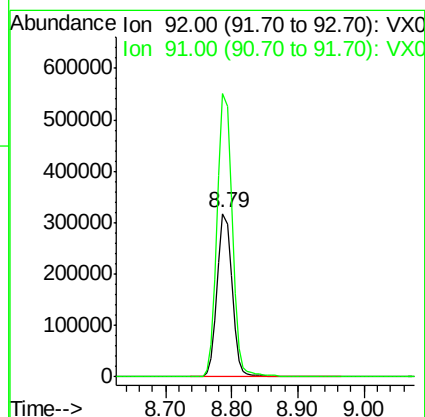
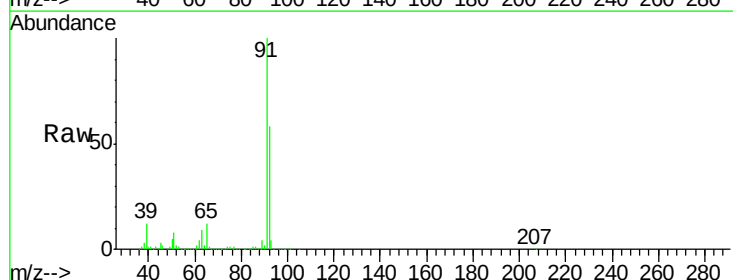
Manual Integrations
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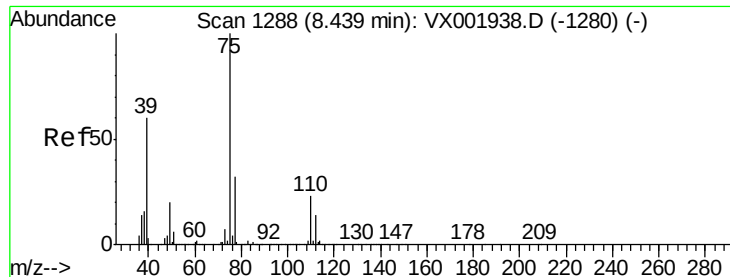
MMDadoda
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#52
Toluene
Concen: 46.54 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion: 92 Resp: 498199
Ion Ratio Lower Upper
92 100
91 174.5 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 43.38 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 322159

Ion Ratio Lower Upper

75 100

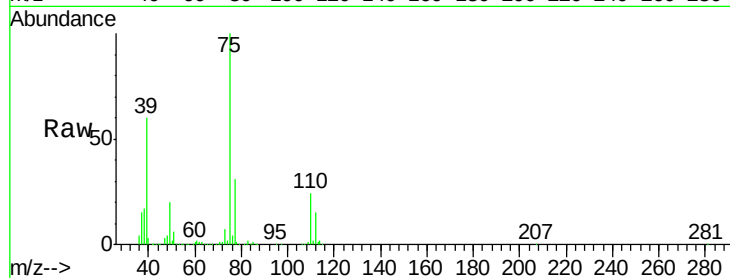
77 31.1 25.5 38.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

250000

200000

150000

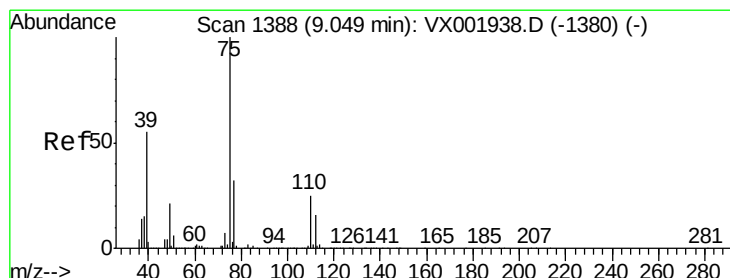
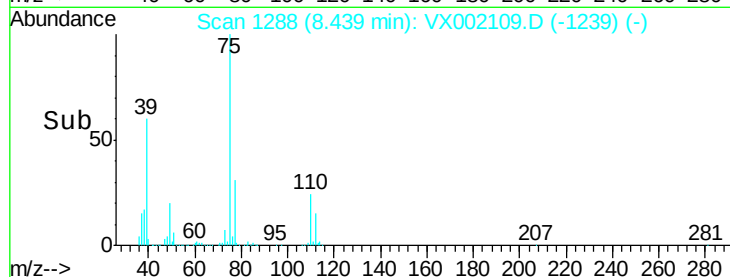
100000

50000

0

8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 42.69 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

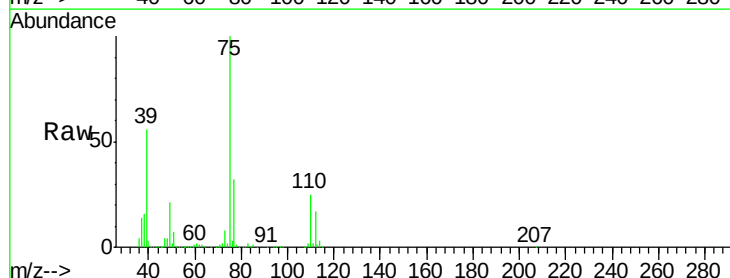
Tgt Ion: 75 Resp: 308949

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 55.7 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

250000

200000

150000

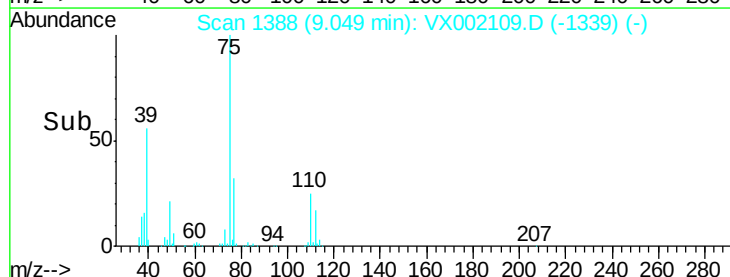
100000

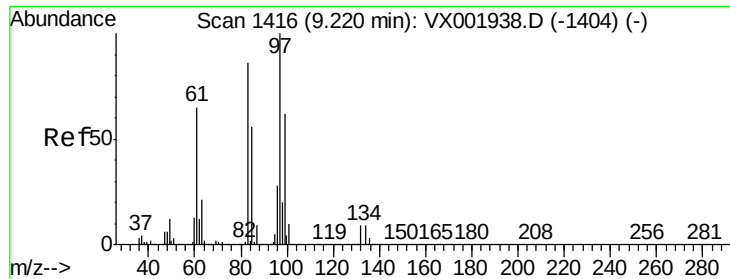
50000

0

9.00 9.10 9.20

Time-->





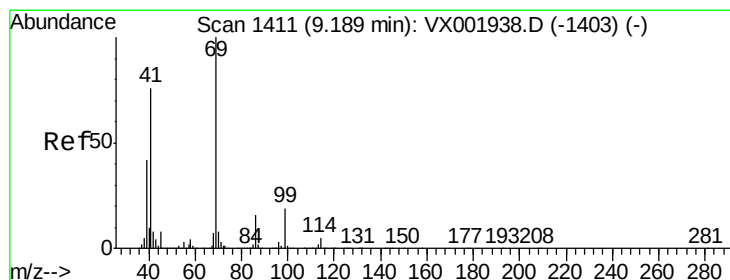
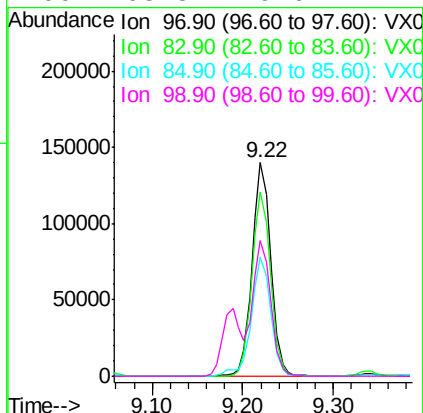
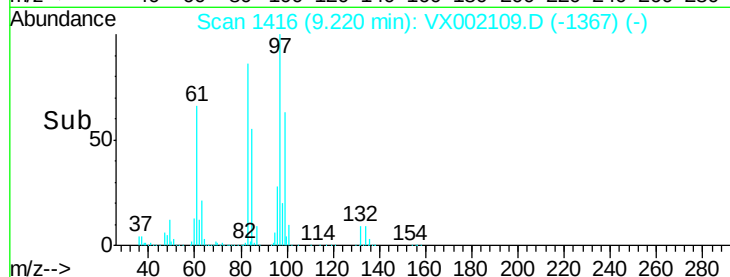
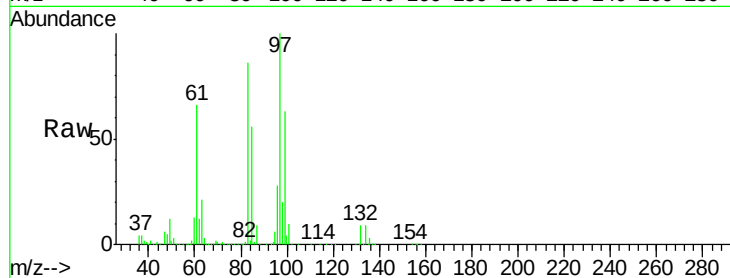
#55
 1,1,2-Trichloroethane
 Concen: 44.81 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	200369
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.1	103.7
85	55.5	45.2	67.8
99	63.3	49.6	74.4

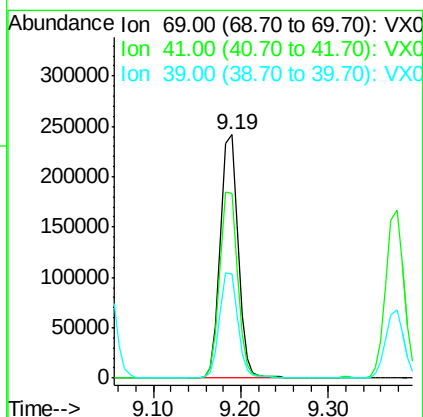
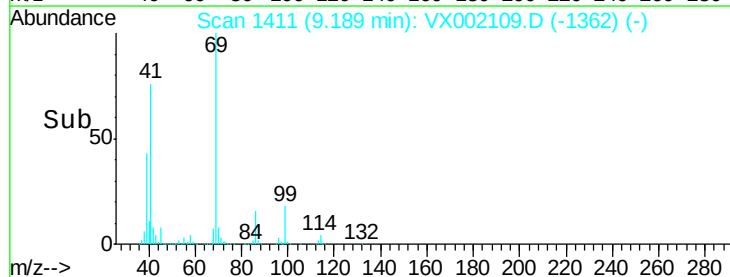
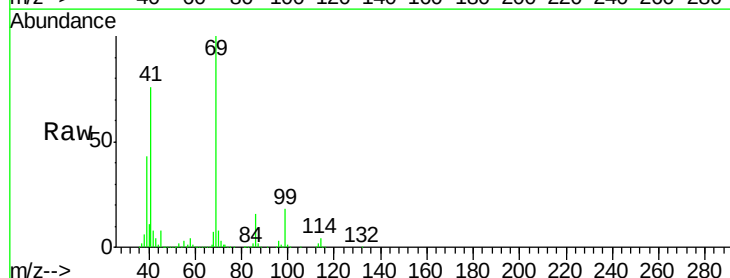
Manual Integrations
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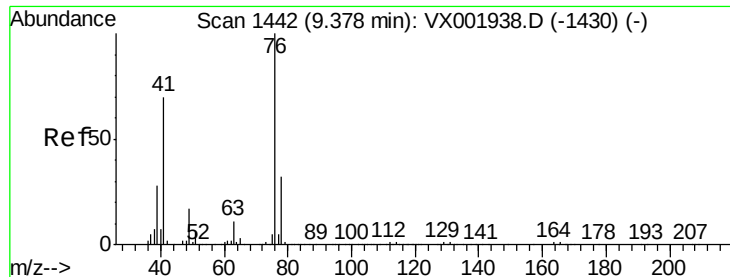
MMDadoda
 5/30/2018 1:51:02 PM



#56
 Ethyl methacrylate
 Concen: 44.33 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Tgt Ion:	69	Resp:	340921
Ion	Ratio	Lower	Upper
69	100		
41	77.3	61.0	91.6
39	44.0	34.4	51.6





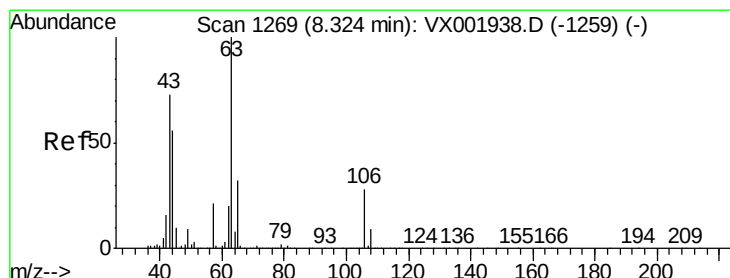
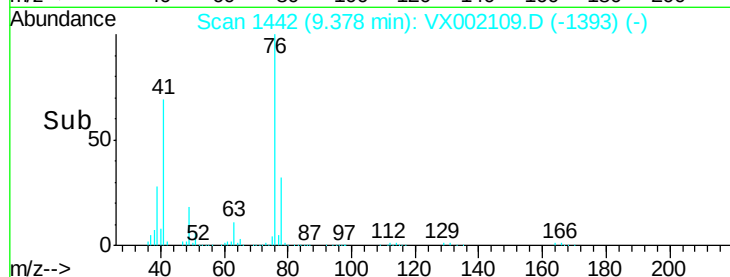
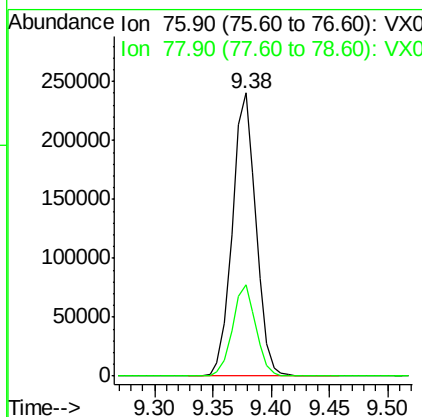
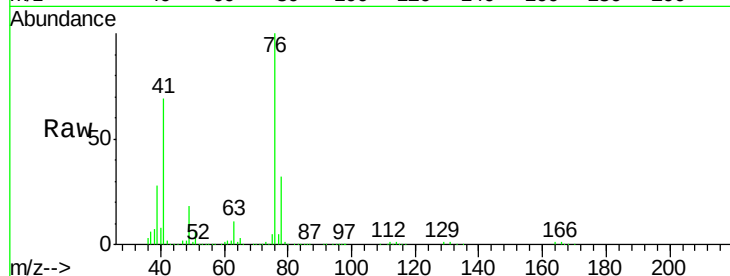
#57
 1,3-Dichloropropane
 Concen: 46.15 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

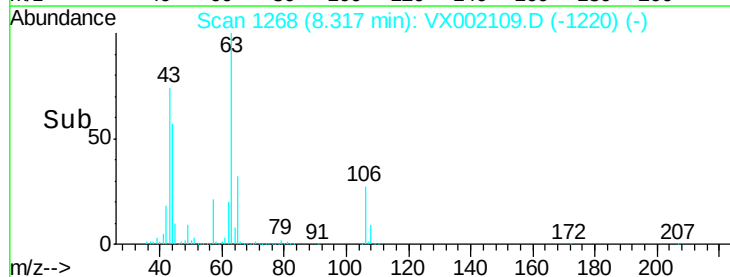
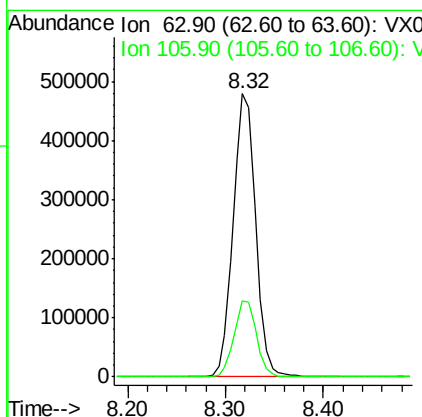
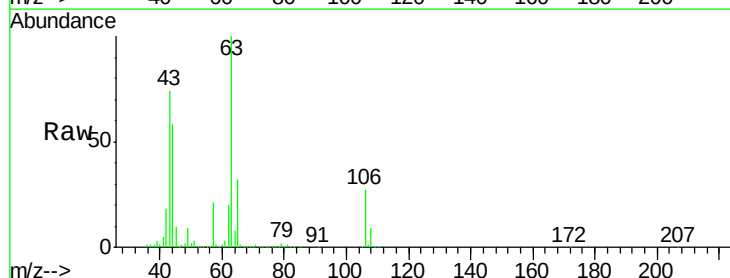
Manual Integrations
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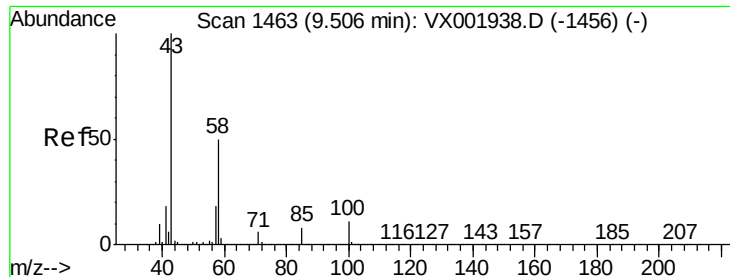
MMDadoda
 5/30/2018 1:51:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.14 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





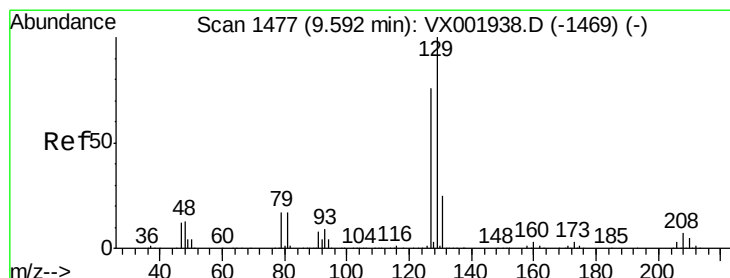
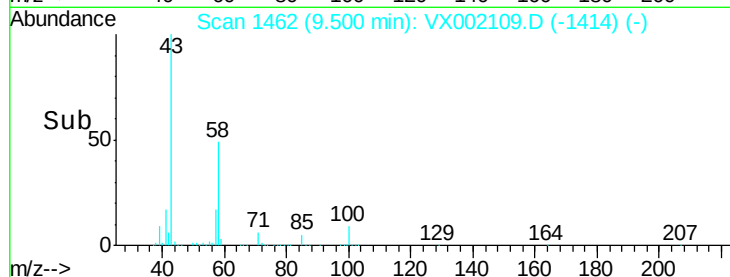
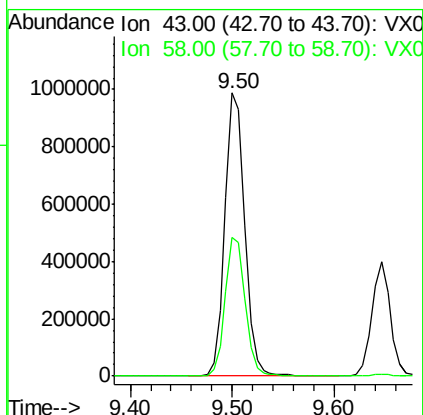
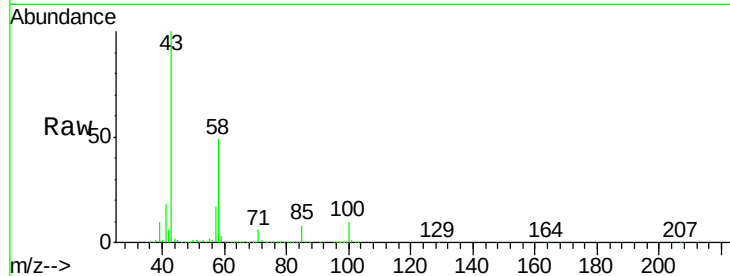
#59
2-Hexanone
Concen: 230.39 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1335516
Ion Ratio Lower Upper
43 100
58 49.5 24.9 74.6

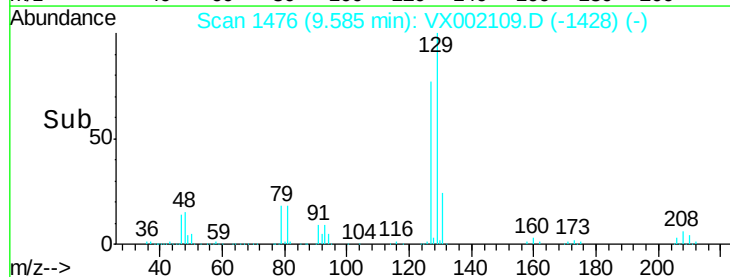
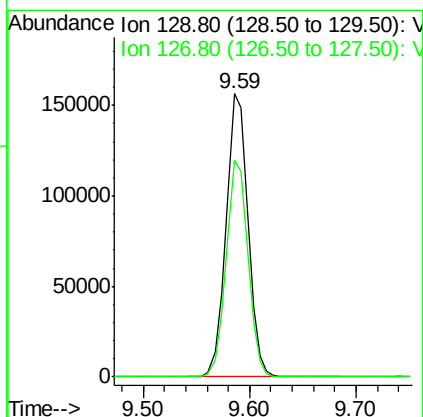
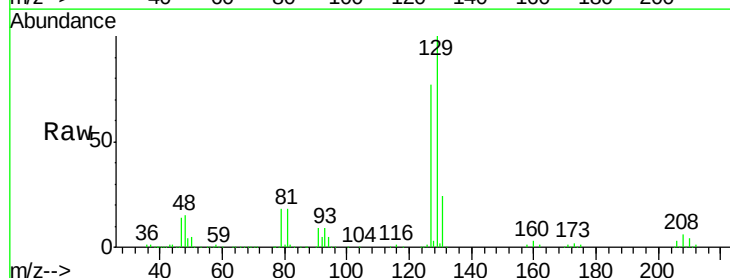
Manual Integrations
APPROVED

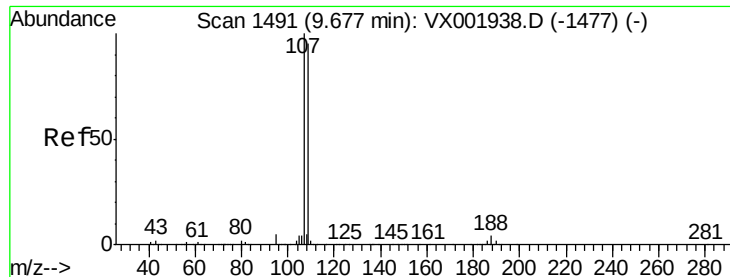
MMDadoda
5/30/2018 1:51:02 PM



#60
Dibromochloromethane
Concen: 42.67 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion: 129 Resp: 225982
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 45.80 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 214883

Ion Ratio Lower Upper

107 100

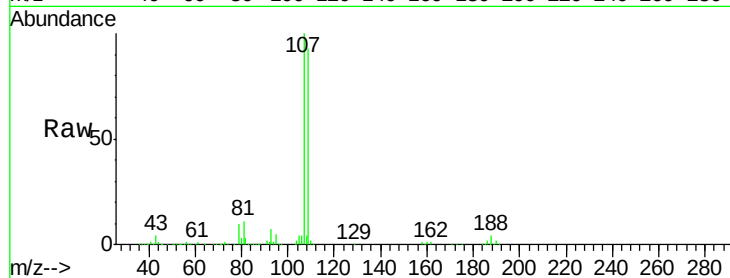
109 94.1 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

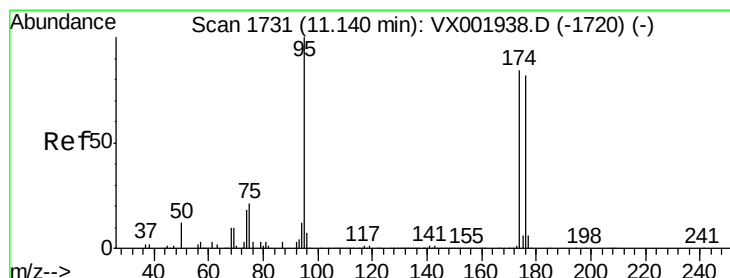
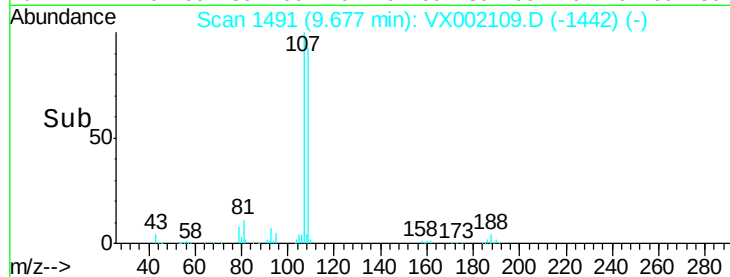
150000

100000

50000

0

Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 42.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

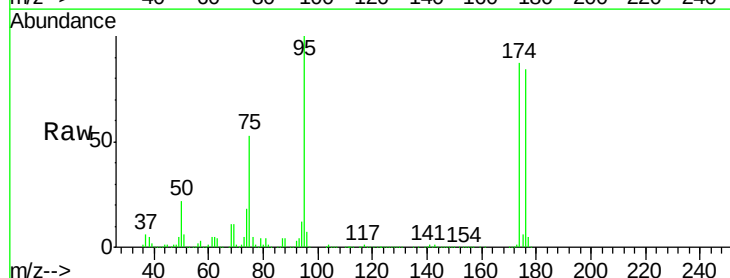
Tgt Ion: 95 Resp: 247809

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.8

176 88.8 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

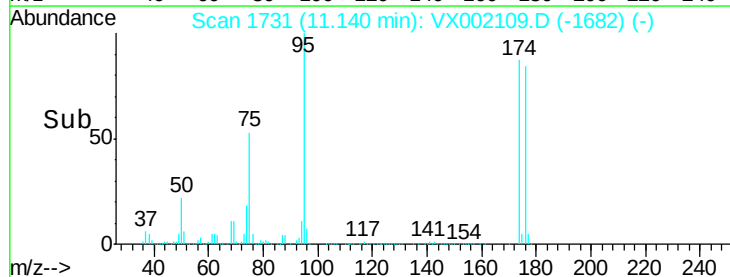
150000

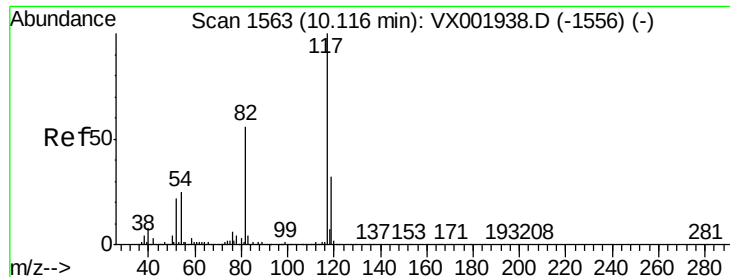
100000

50000

0

Time--> 11.00 11.10 11.20





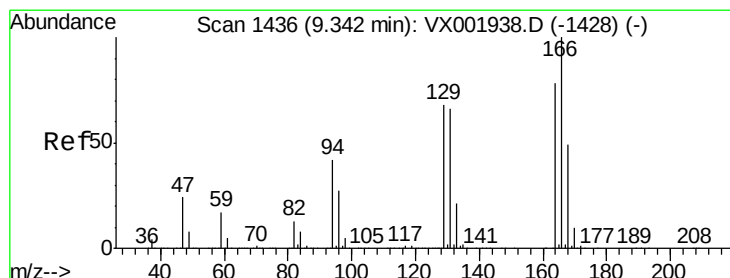
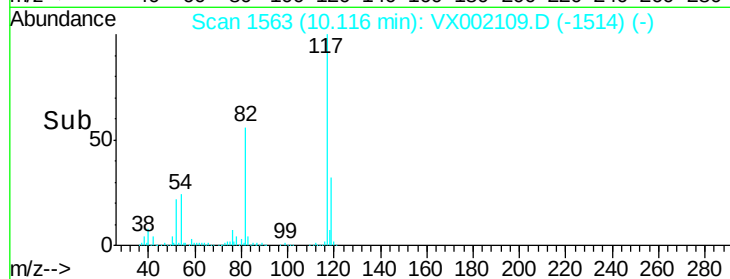
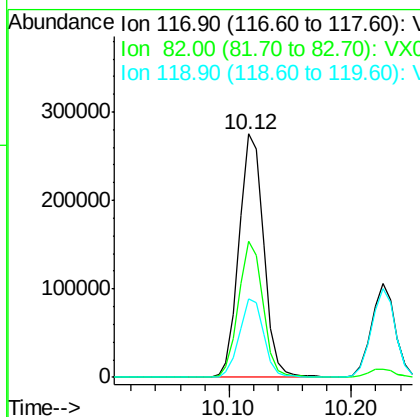
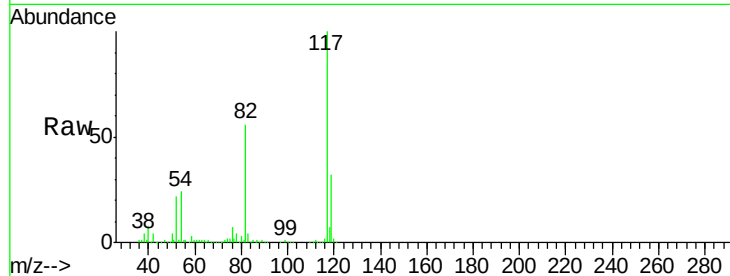
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	382696		
82	55.6	44.8	67.2	
119	32.0	25.5	38.3	

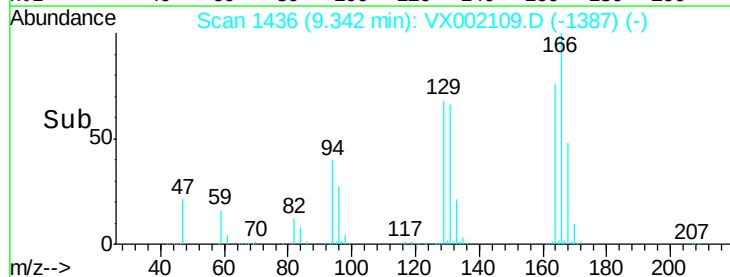
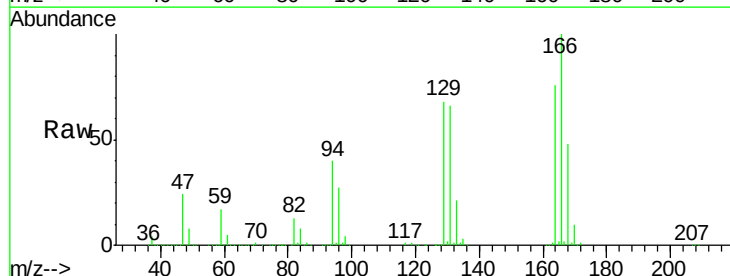
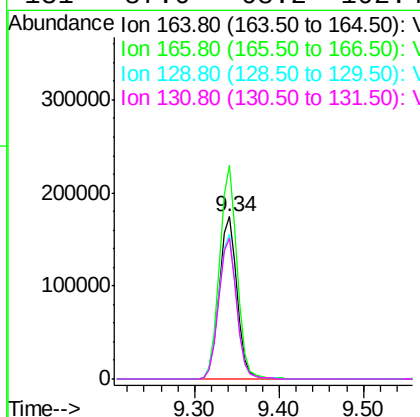
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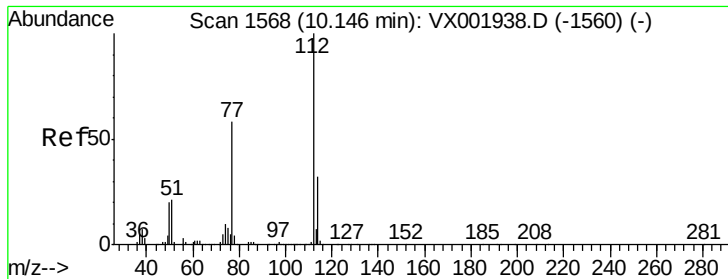
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#64
Tetrachloroethene
Concen: 46.97 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	257712		
166	131.8	102.7	154.1	
129	89.6	70.3	105.5	
131	87.0	68.2	102.4	





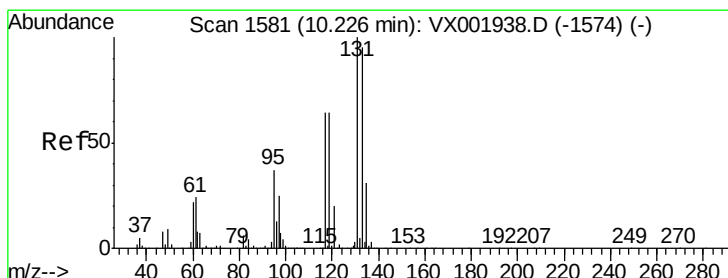
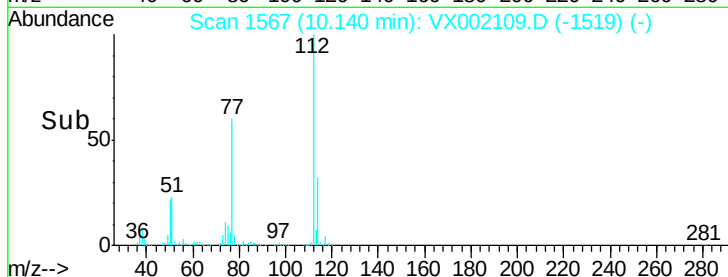
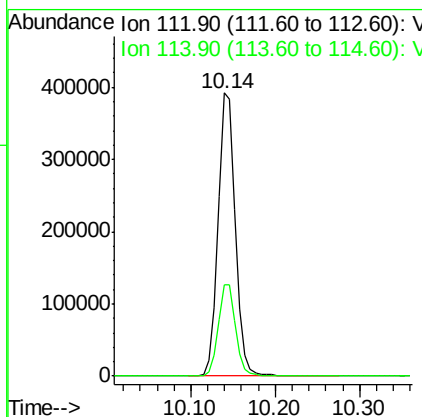
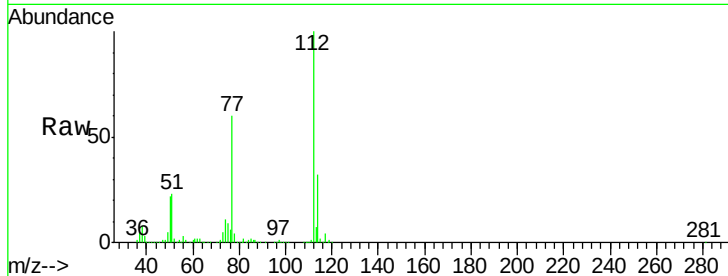
#65
Chlorobenzene
Concen: 46.07 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

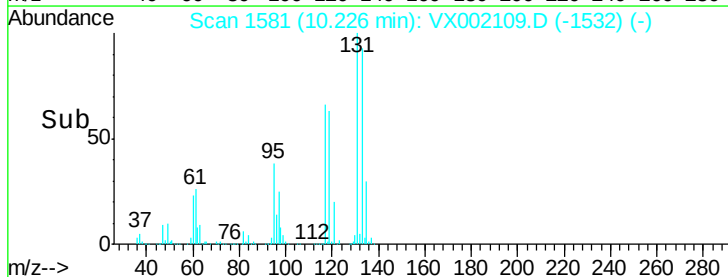
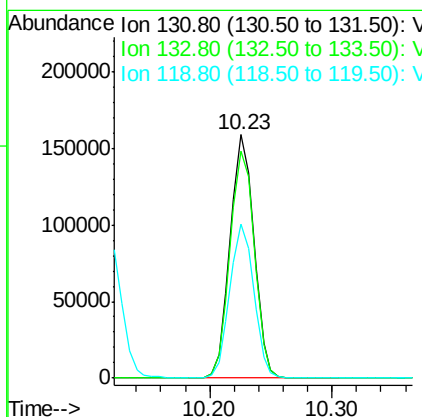
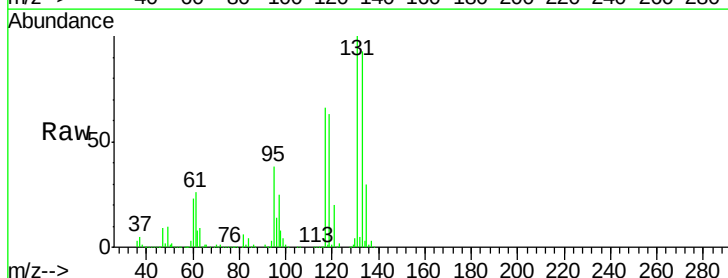
Manual Integrations
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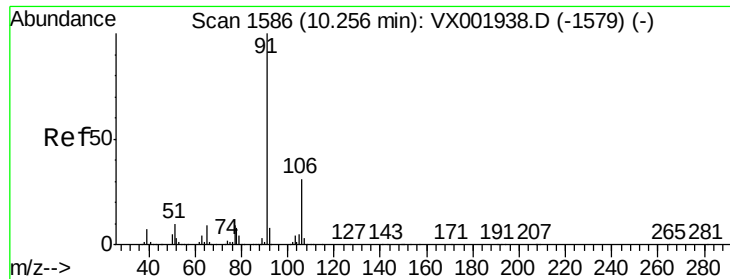
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 43.73 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.0
119	63.6	31.9	95.5





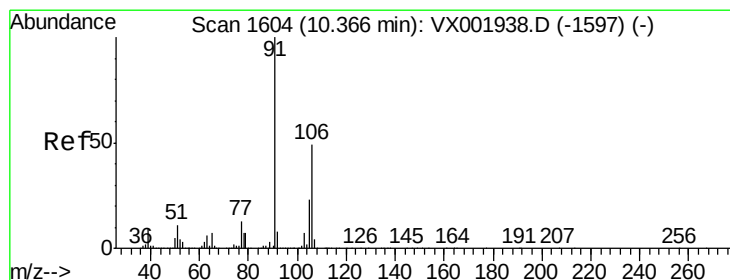
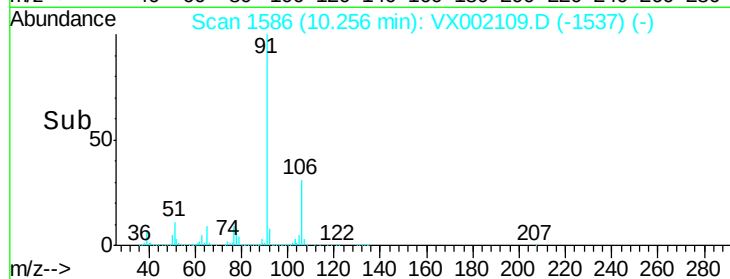
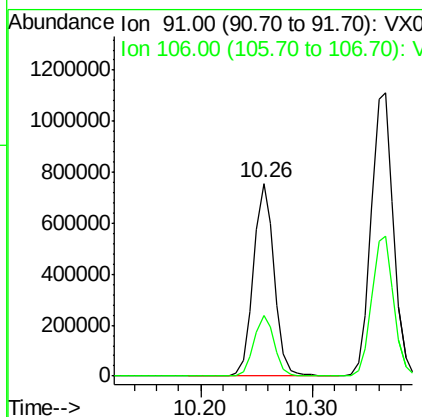
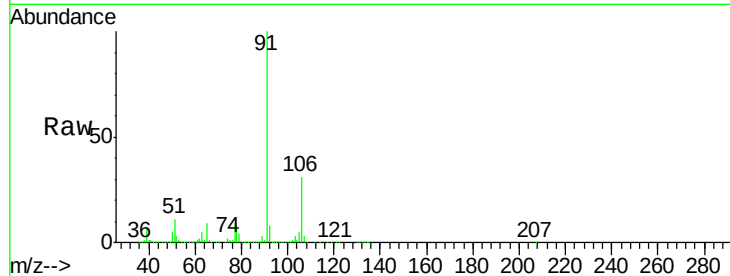
#67
Ethyl Benzene
Concen: 46.64 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.0	37.6

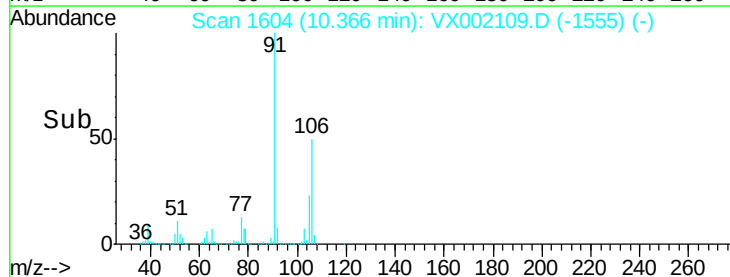
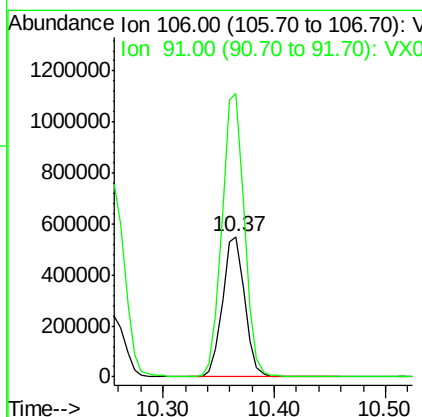
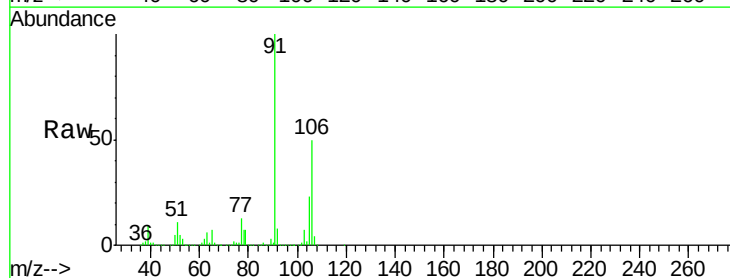
Manual Integrations
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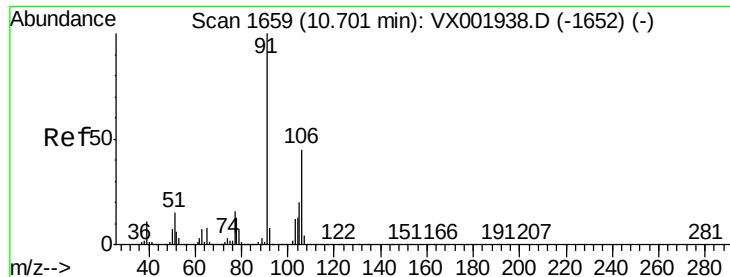
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#68
m/p-Xylenes
Concen: 93.85 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.2	165.0	247.6





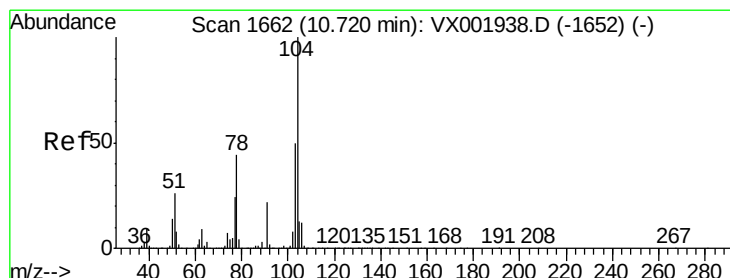
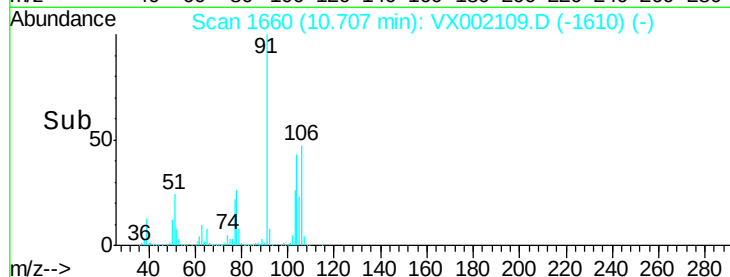
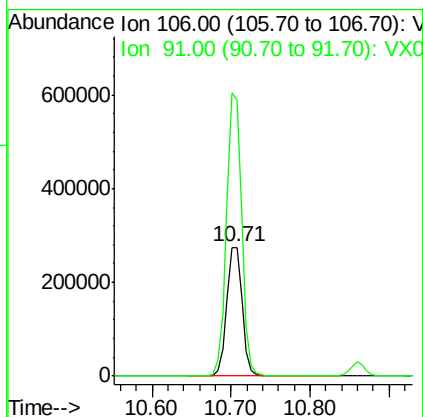
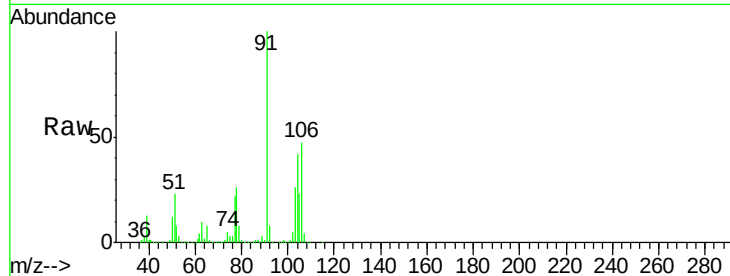
#69
o-Xylene
Concen: 46.26 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	371925		
91	91	216.5	108.7	325.9	

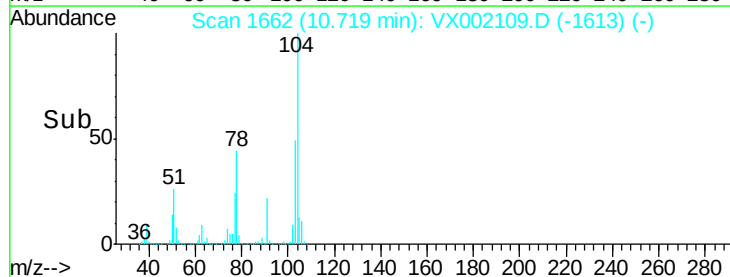
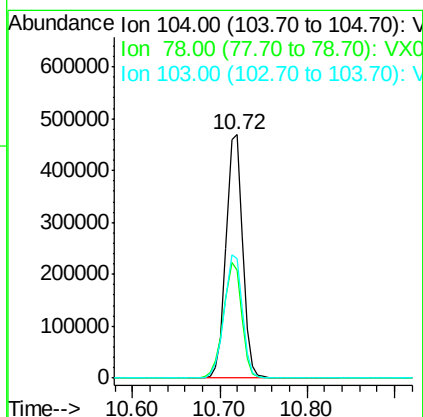
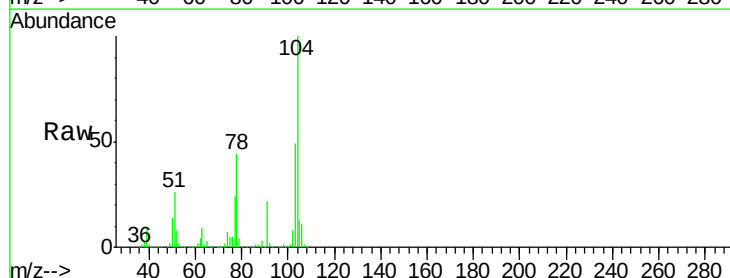
Manual Integrations
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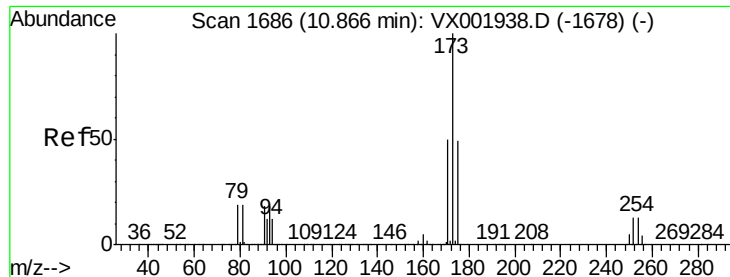
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#70
Styrene
Concen: 46.41 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	618826		
78	78	52.2	41.8	62.6	
103	103	55.4	44.6	67.0	





#71

Bromoform

Concen: 39.31 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

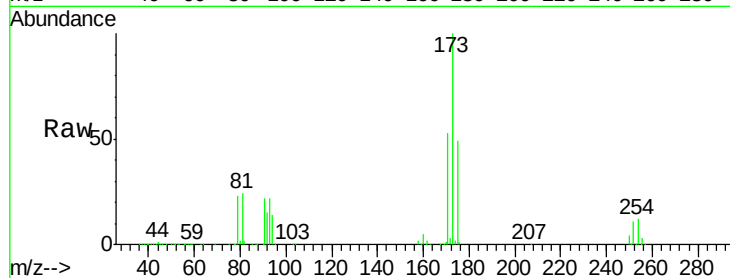
ClientSampleId :

VSTDCCC050

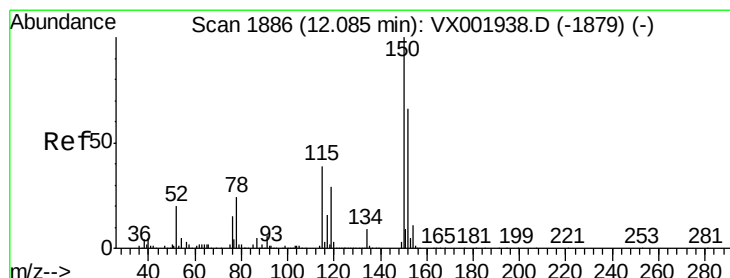
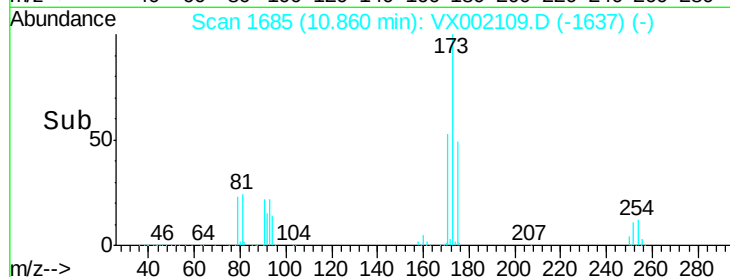
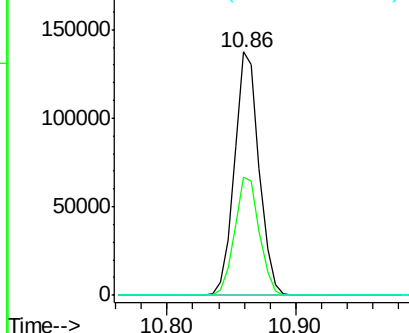
Tot Ion	Ratio	Resp	Lower	Upper
173	100	182493		
175	48.9	24.3	72.9	
254	0.2	0.1	0.1#	

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: 50.00 ug/l

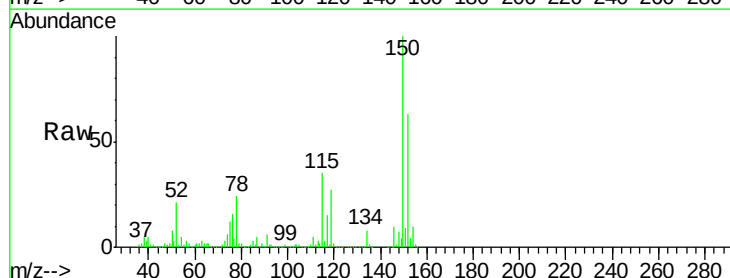
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

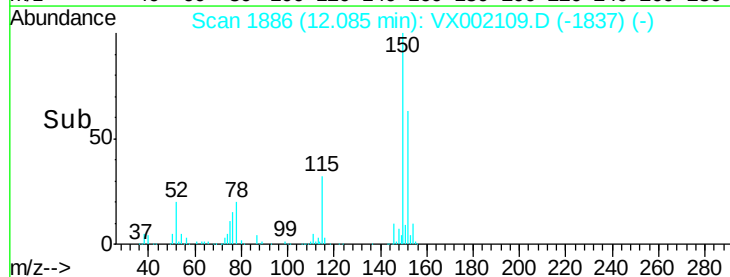
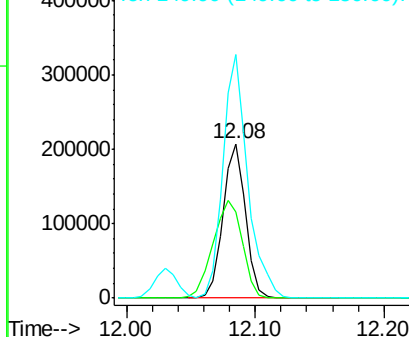
Lab File: VX002109.D

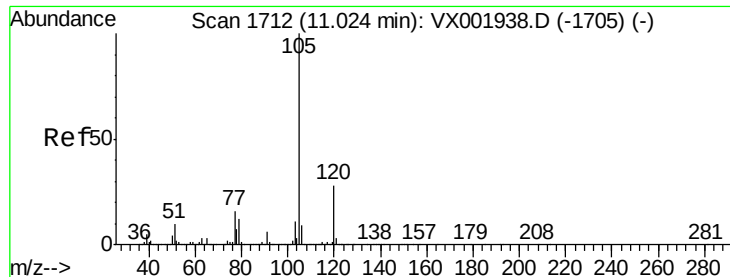
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	253602		
115	82.8	42.3	126.8	
150	175.1	0.0	351.0	



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: 46.60 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1000684

Ion Ratio Lower Upper

105 100

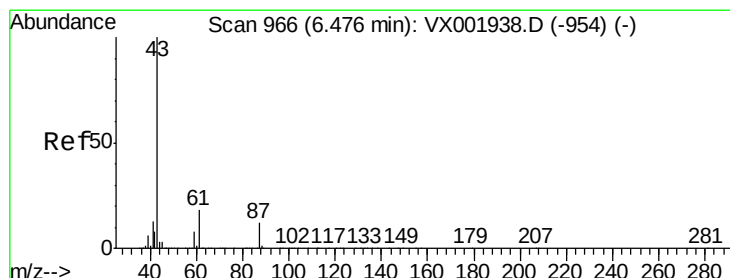
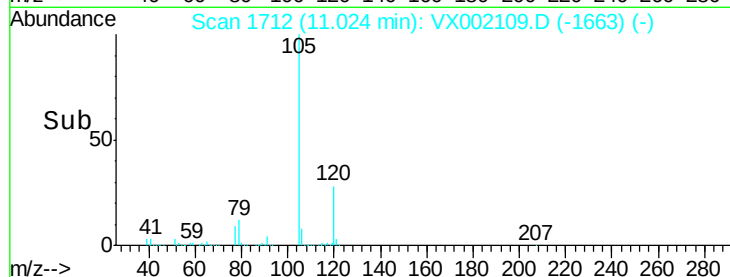
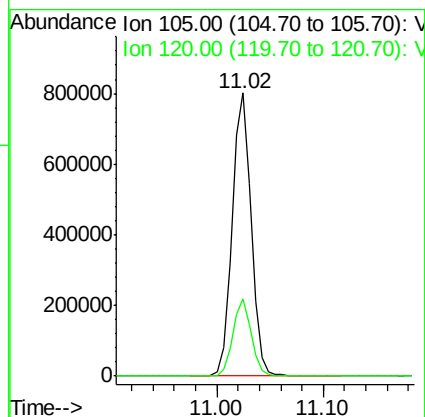
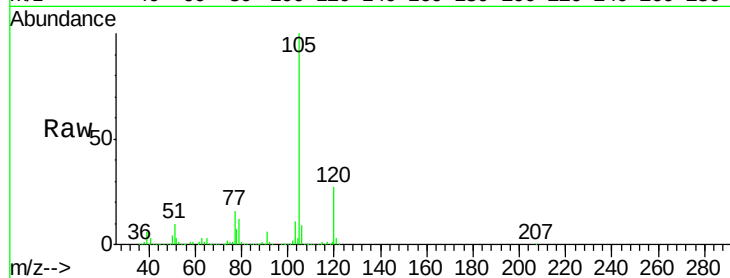
120 26.5 13.6 40.7

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#74

N-ethyl acetate

Concen: 50.42 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Tgt Ion: 43 Resp: 561370

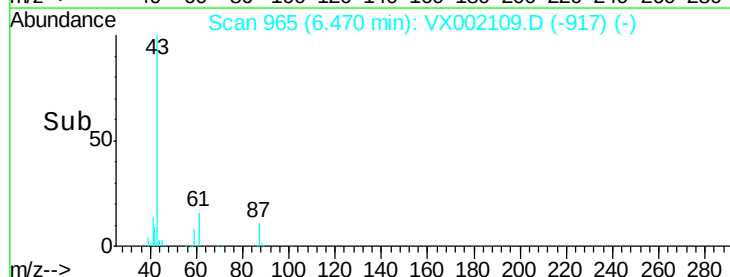
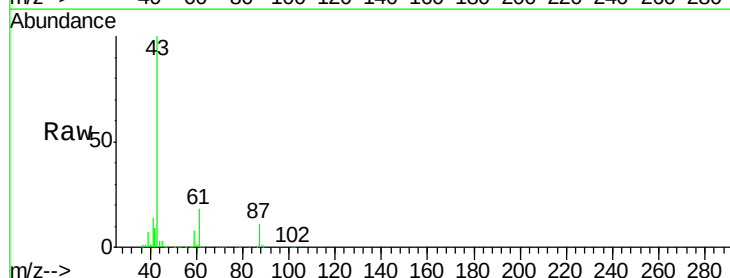
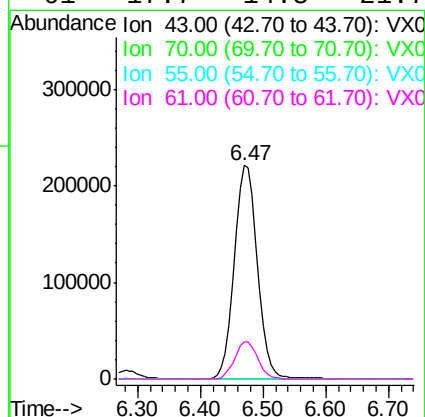
Ion Ratio Lower Upper

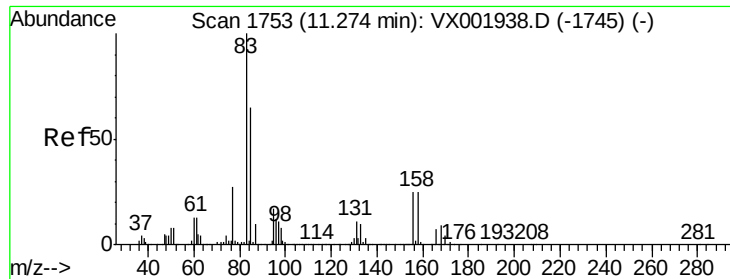
43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 17.7 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.46 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

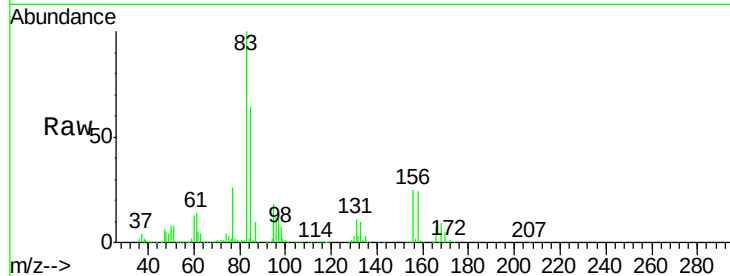
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	290588
Ion Ratio		Lower	Upper
83	100		
131	10.9	5.7	17.0
85	64.7	32.6	97.7

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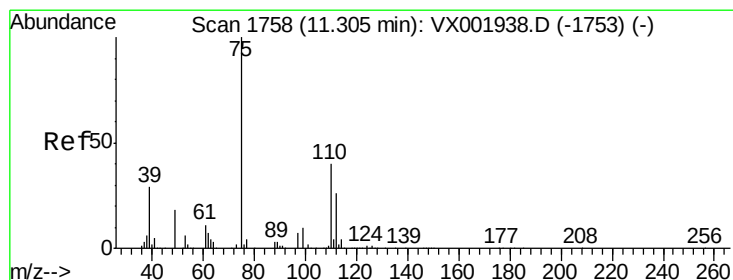
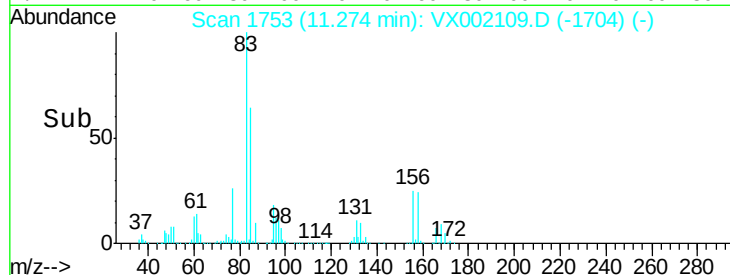
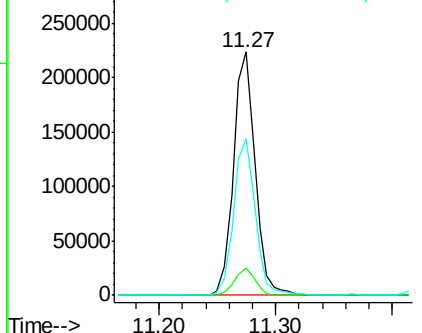
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX001938.D (-1745) (-)

Ion 130.80 (130.50 to 131.50): VX001938.D (-1745) (-)

Ion 84.90 (84.60 to 85.60): VX001938.D (-1745) (-)



#76

1,2,3-Trichloropropane

Concen: 51.63 ug/l m

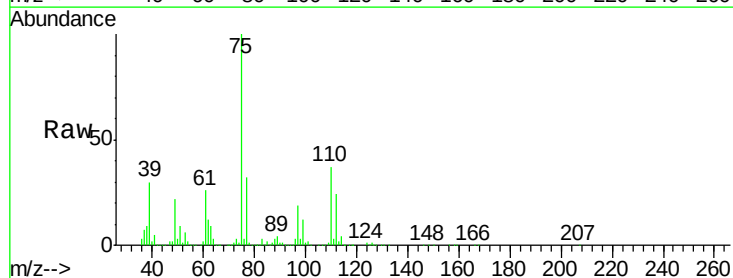
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX002109.D

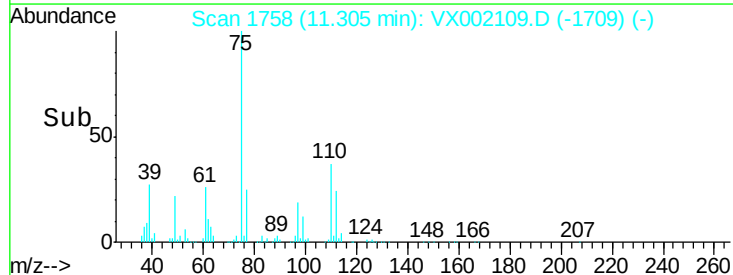
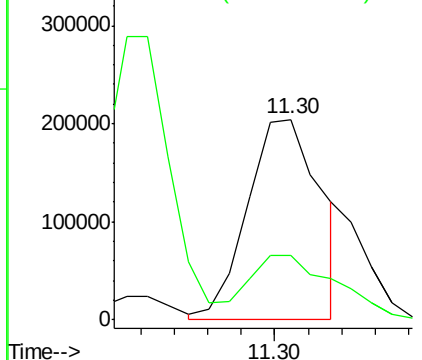
Acq: 29 May 2018 22:53

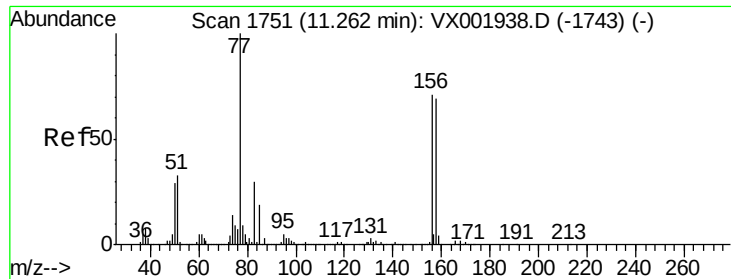
Tgt Ion:	75	Resp:	314525
Ion Ratio		Lower	Upper
75	100		
77	39.3	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX001938.D (-1753) (-)

Ion 77.00 (76.70 to 77.70): VX001938.D (-1753) (-)





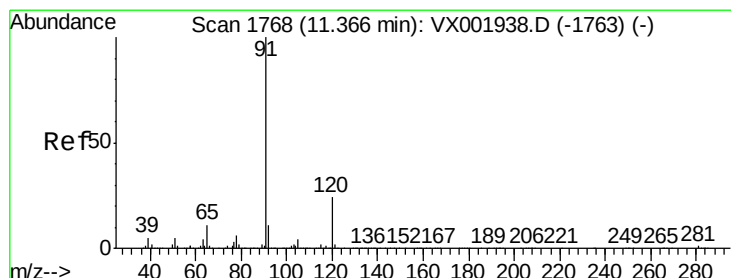
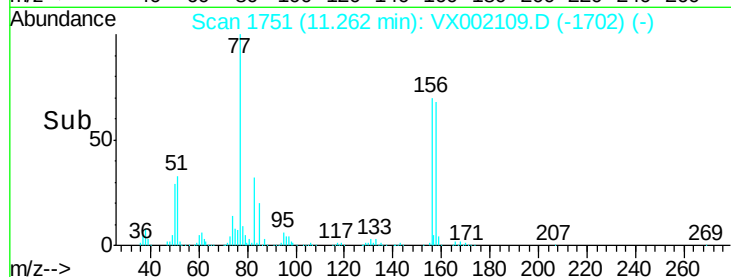
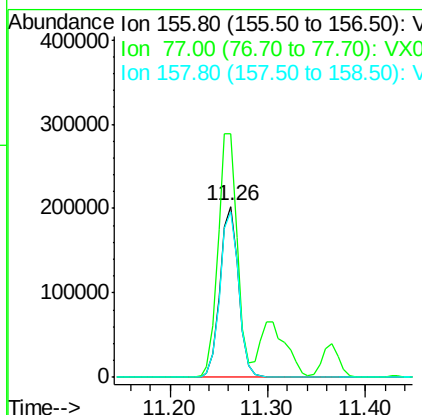
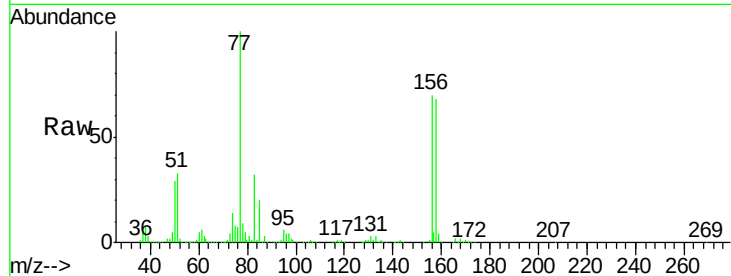
#77
Bromobenzene
Concen: 46.46 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.7	75.2	225.6
158	98.1	48.6	145.8

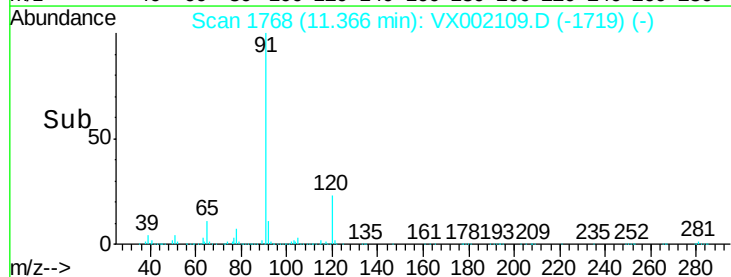
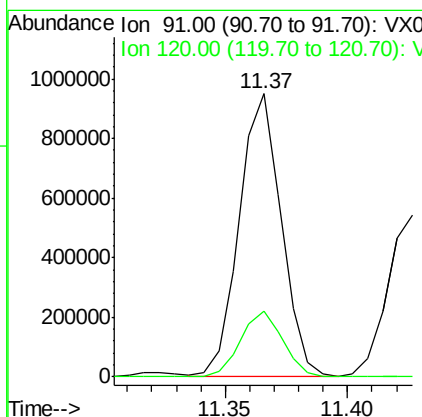
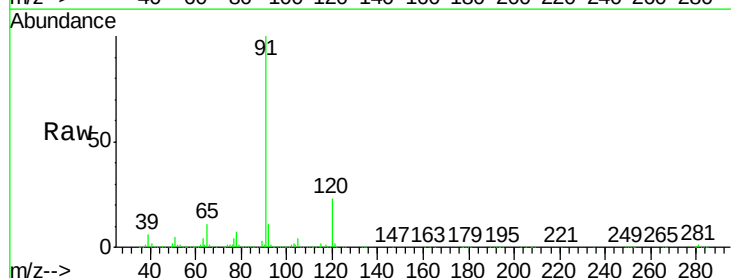
Manual Integrations
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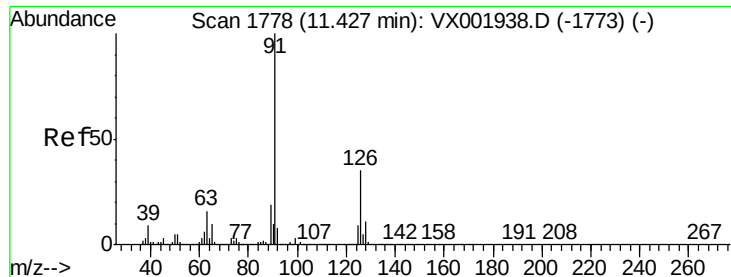
MMDadoda
5/30/2018 1:51:02 PM



#78
n-propylbenzene
Concen: 46.92 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.7





#79

2-Chlorotoluene

Concen: 51.60 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 679891

Ion Ratio Lower Upper

91 100

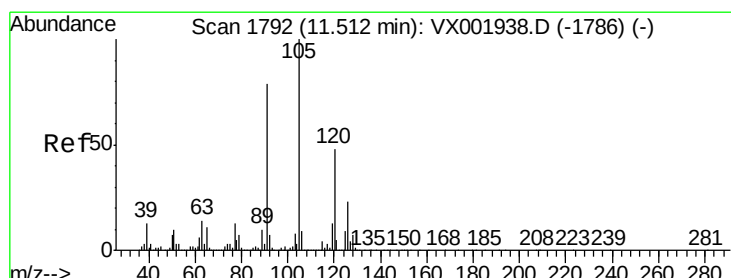
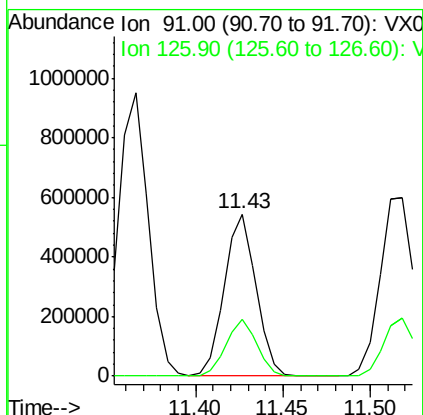
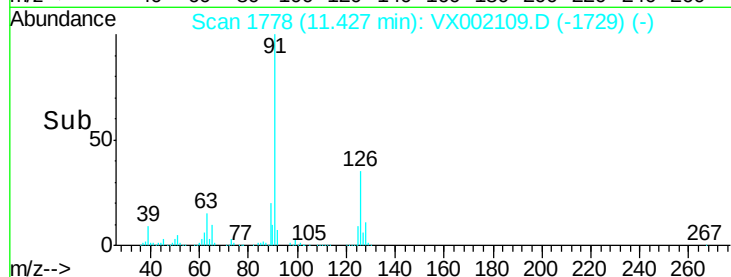
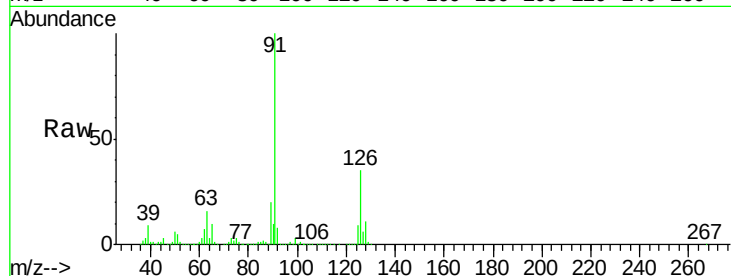
126 34.7 17.4 52.2

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 46.14 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002109.D

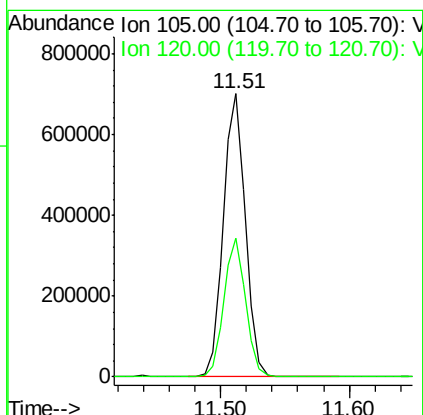
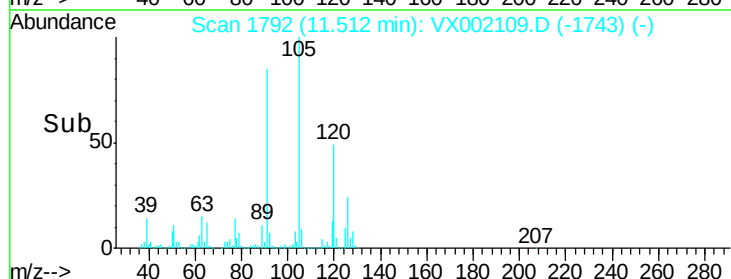
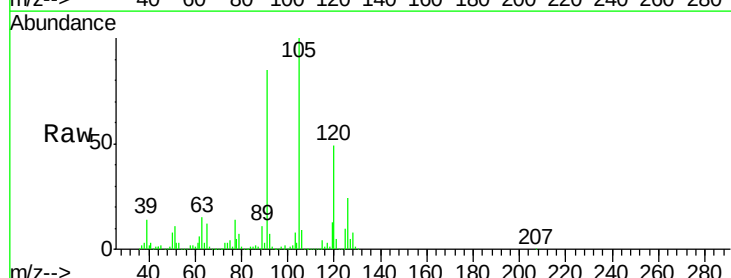
Acq: 29 May 2018 22:53

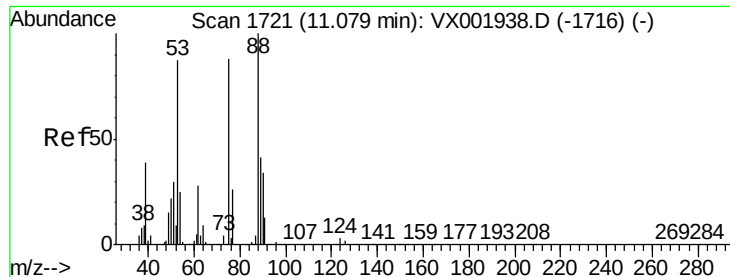
Tgt Ion: 105 Resp: 846814

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4





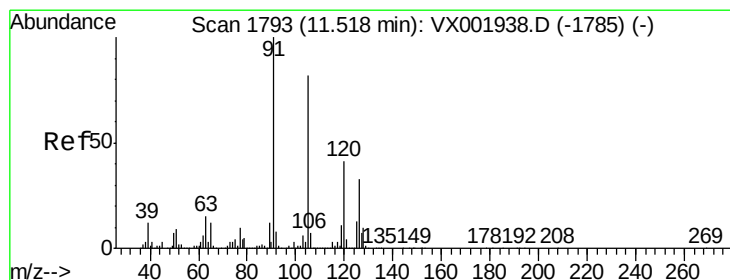
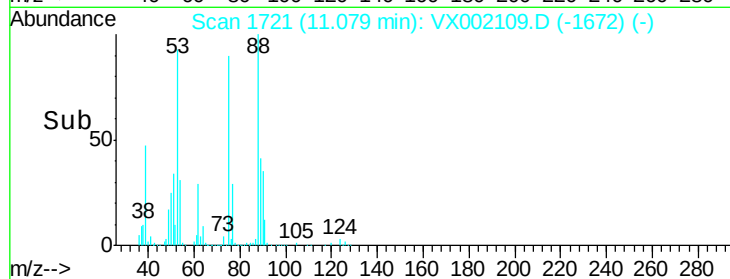
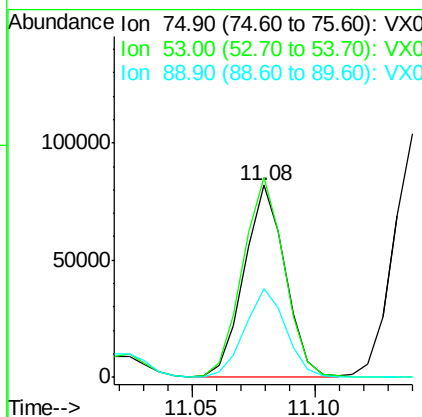
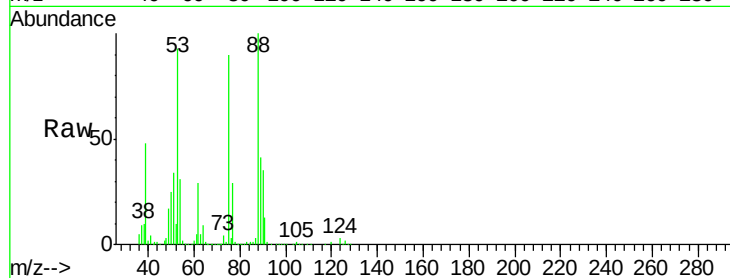
#81
trans-1,4-Dichloro-2-butene
Concen: 37.83 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.5	78.0	117.0
89	46.5	39.4	59.2

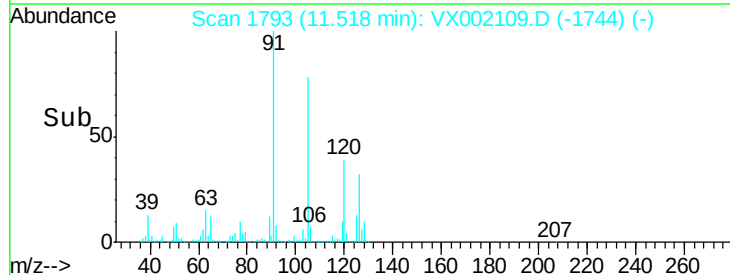
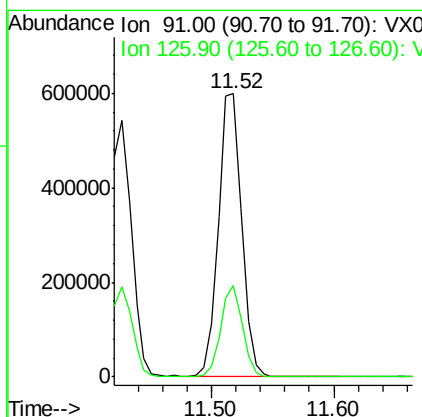
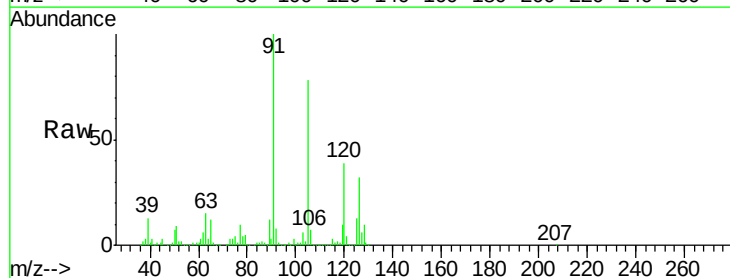
Manual Integrations
APPROVED

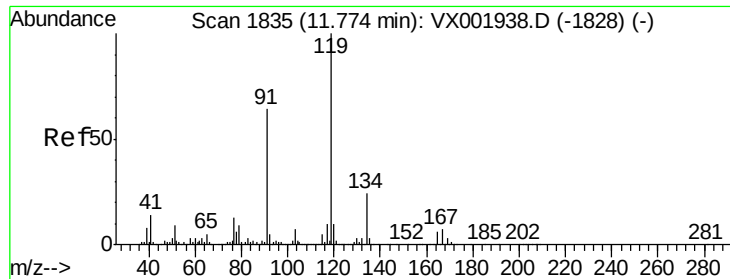
MMDadoda
5/30/2018 1:51:02 PM



#82
4-Chlorotoluene
Concen: 46.89 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.3	45.8





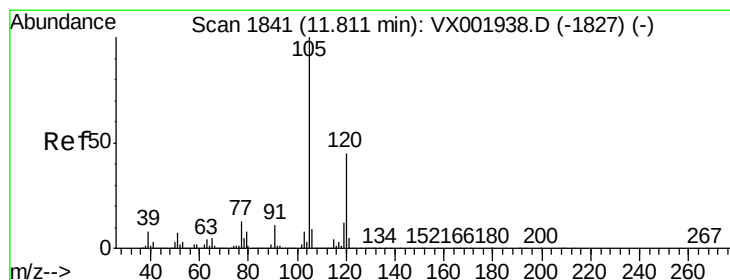
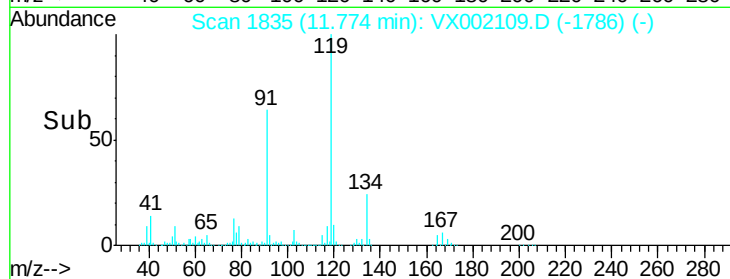
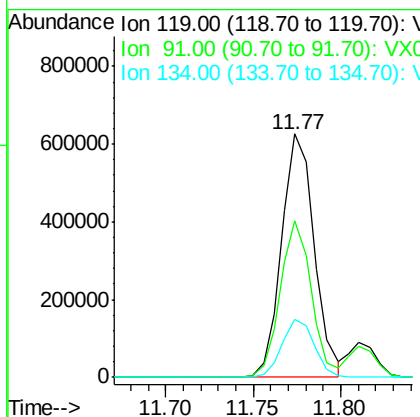
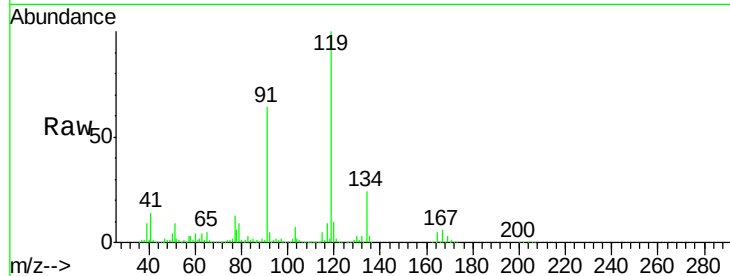
#83
 tert-Butylbenzene
 Concen: 45.31 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.6	91.8
134	23.6	11.7	35.0

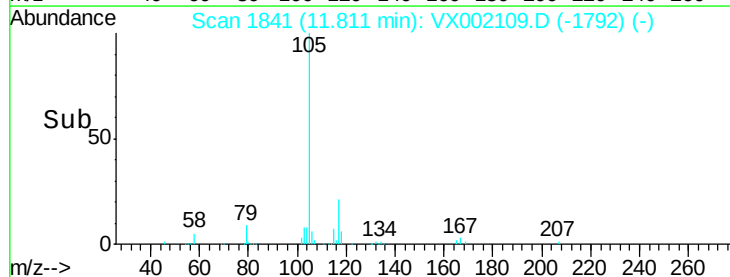
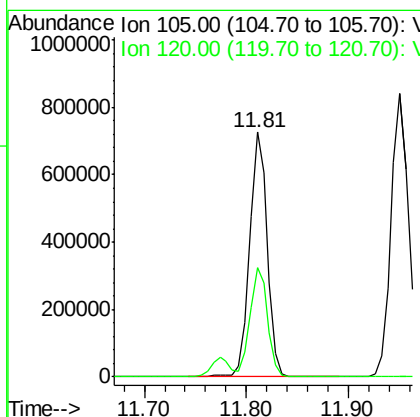
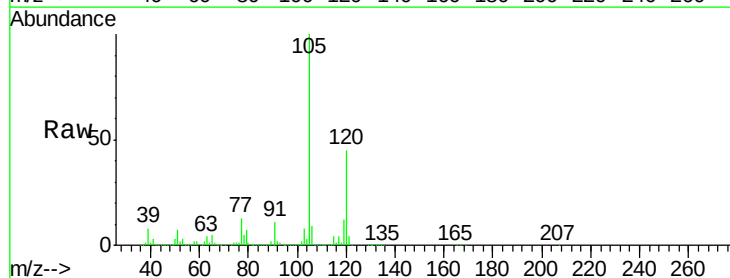
Manual Integrations
 APPROVED

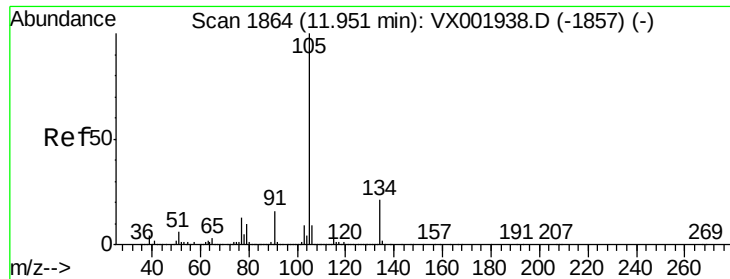
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.92 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 46.70 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1010916

Ion Ratio Lower Upper

105 100

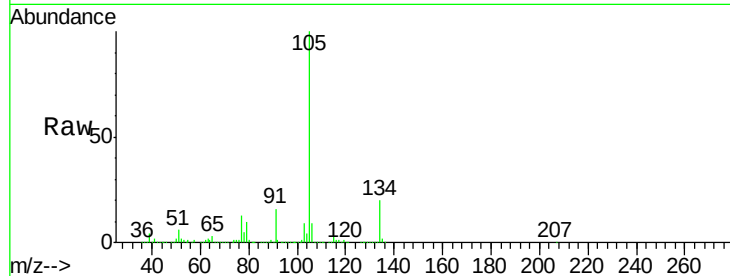
134 20.4 10.4 31.4

Manual Integrations

APPROVED

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5/30/2018 1:51:02 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

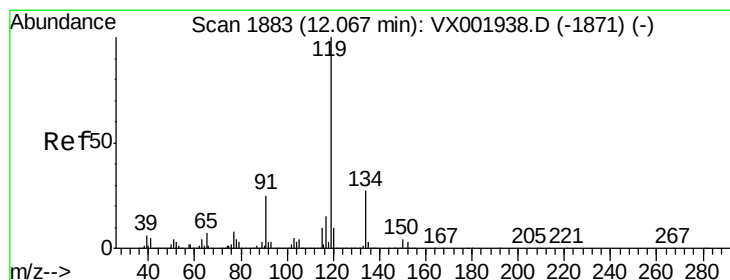
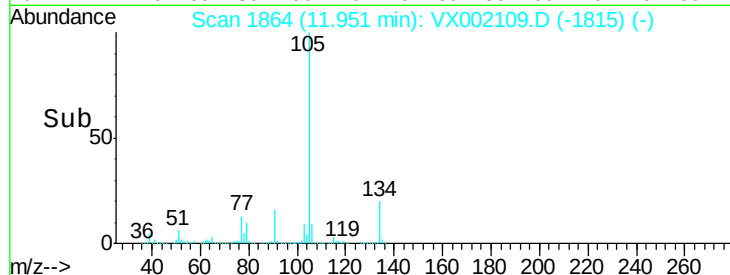
400000

200000

0

11.95

Time-->



#86

p-Isopropyltoluene

Concen: 46.45 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

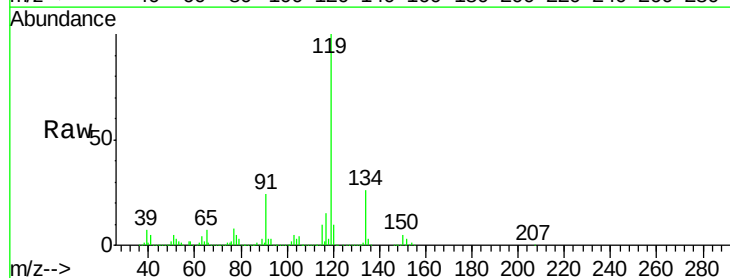
Tgt Ion:119 Resp: 899856

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 24.1 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

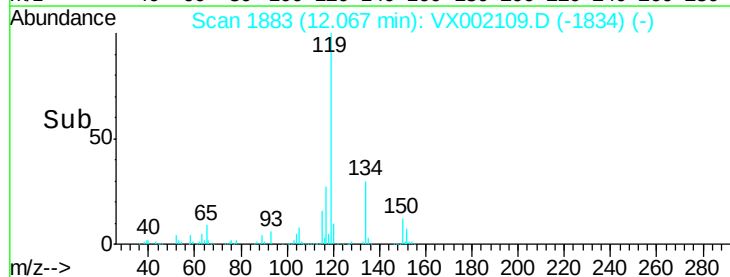
400000

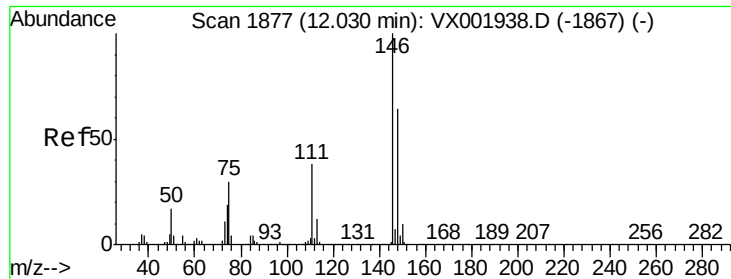
200000

0

12.07

Time-->





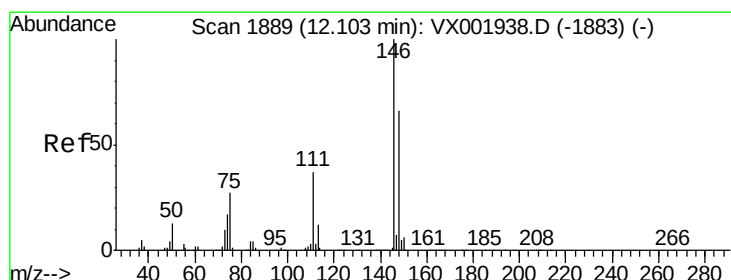
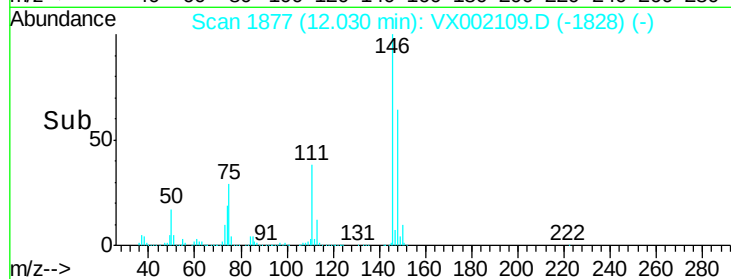
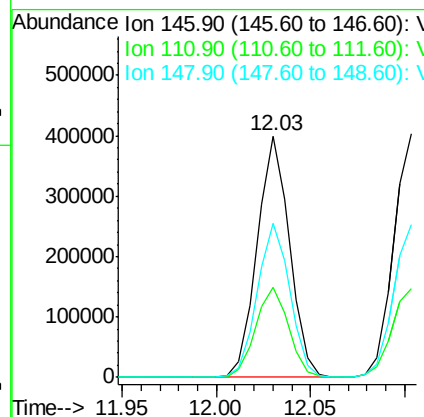
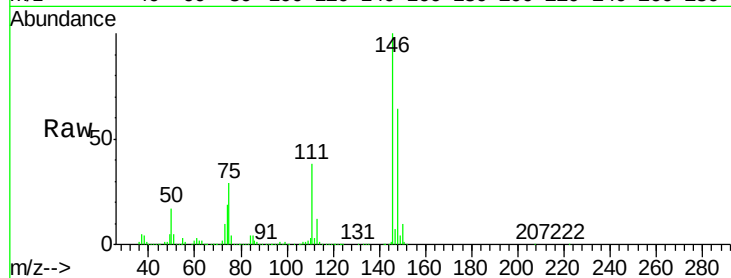
#87
 1,3-Dichlorobenzene
 Concen: 46.52 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.8
148	64.5	32.1	96.3

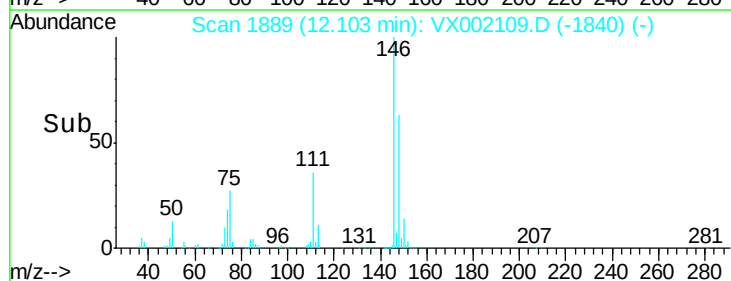
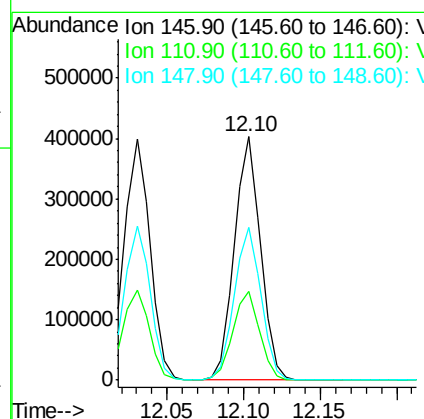
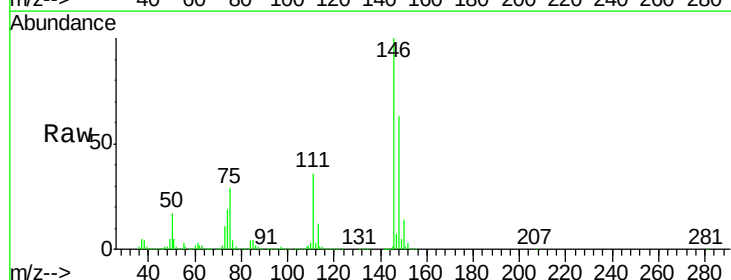
Manual Integrations
 APPROVED

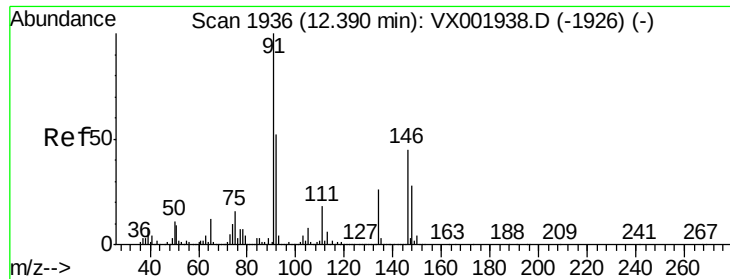
MMDadoda
 5/30/2018 1:51:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.92 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.5
148	64.1	32.3	96.8





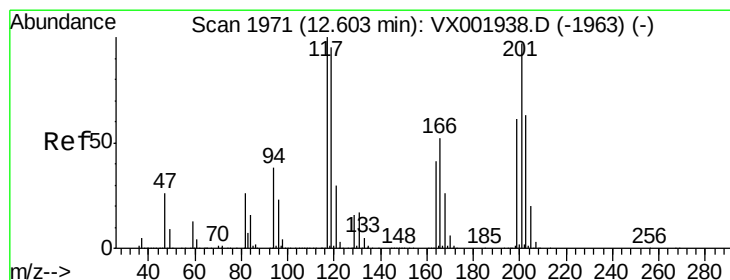
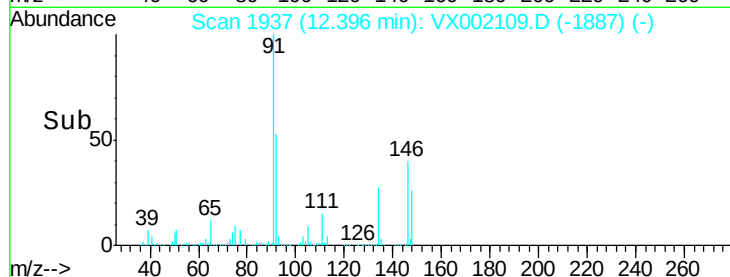
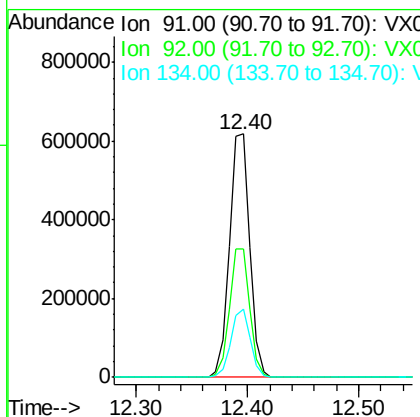
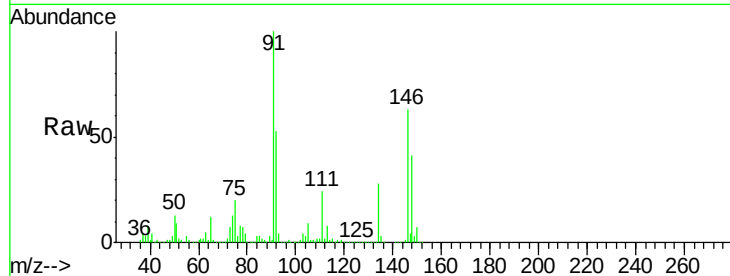
#89
n-Butylbenzene
Concen: 47.15 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	27.0	13.6	40.7

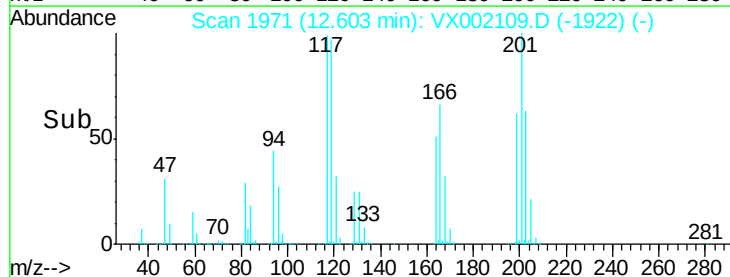
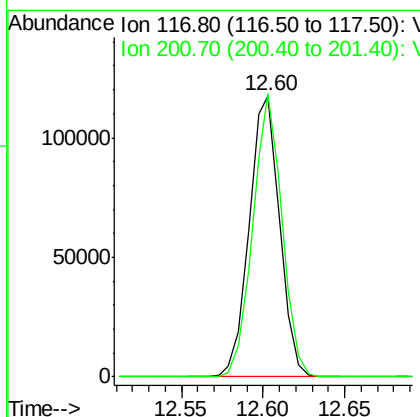
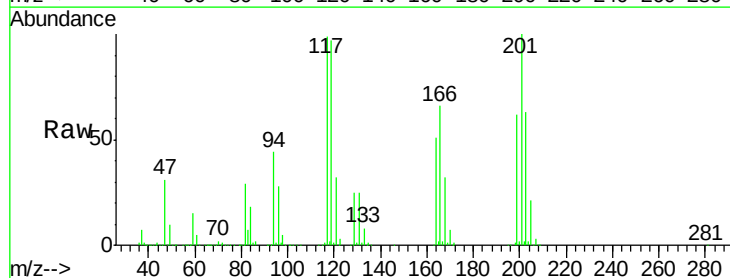
Manual Integrations
APPROVED

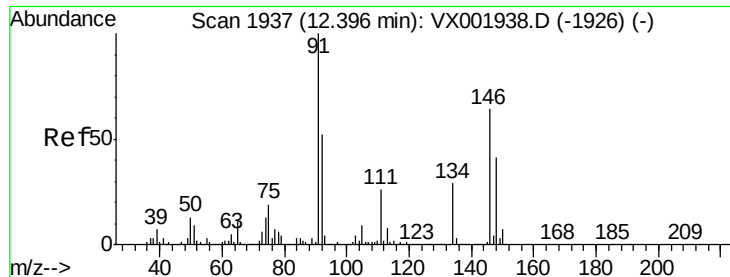
MMDadoda
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#90
Hexachloroethane
Concen: 39.98 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002109.D
Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.9	48.0	144.0





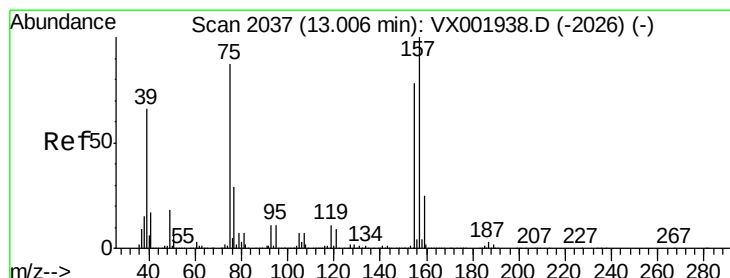
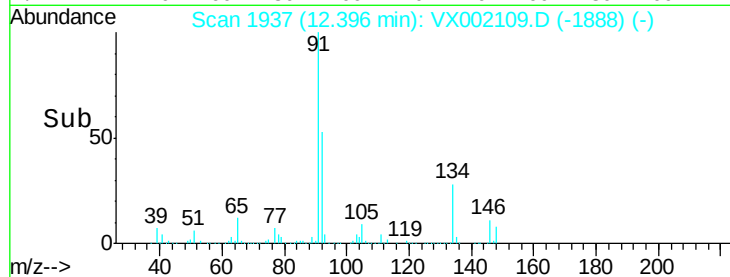
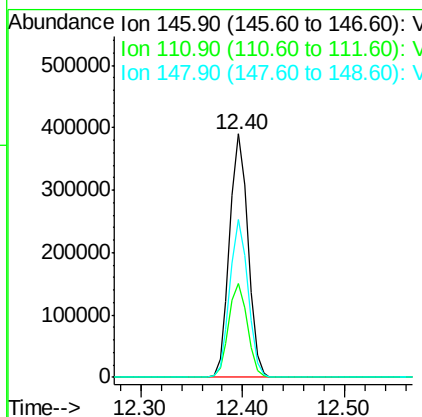
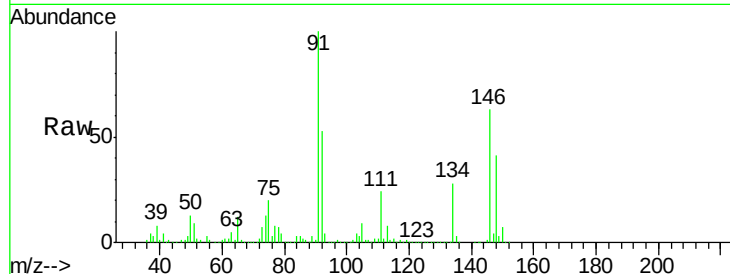
#91
 1,2-Dichlorobenzene
 Concen: 46.68 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	63.9	32.1	96.5

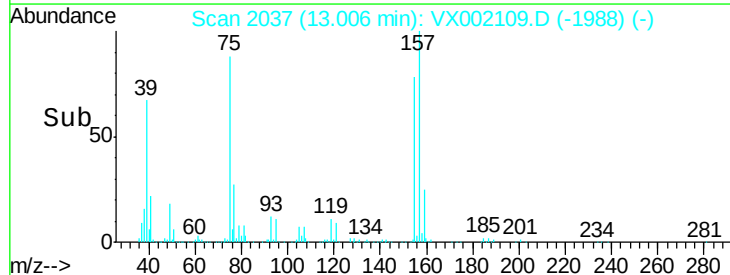
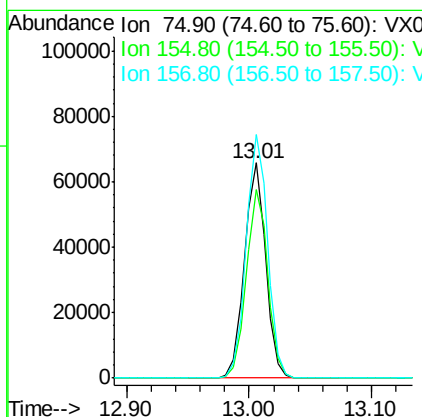
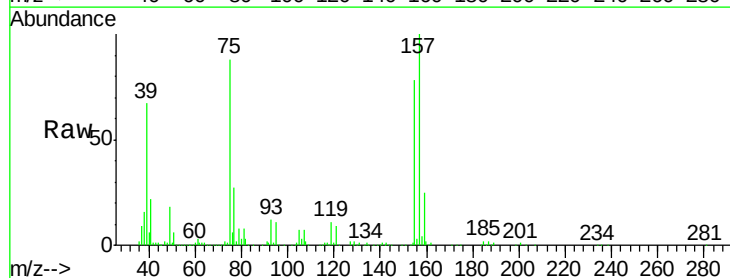
Manual Integrations
 APPROVED

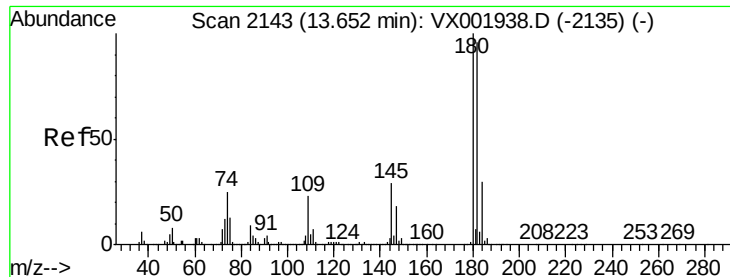
MMDadoda
 5/30/2018 1:51:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.34 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	45.1	135.2
157	114.3	58.1	174.2





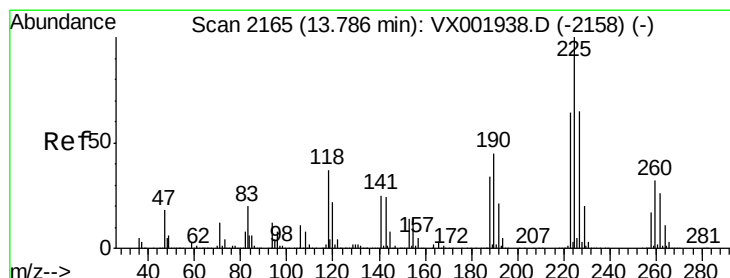
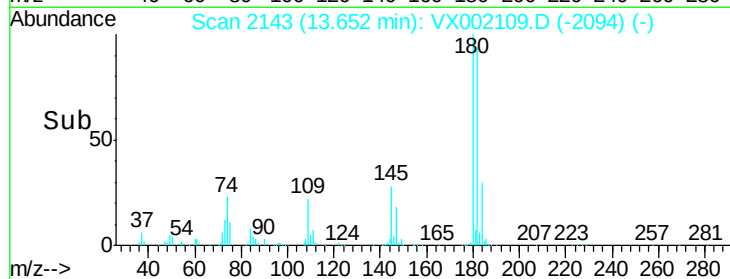
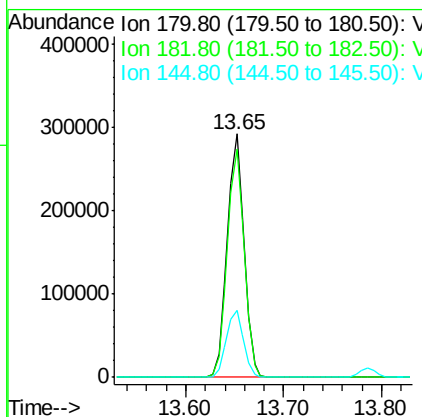
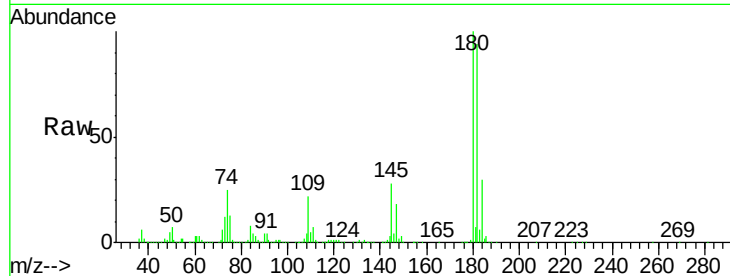
#93
 1,2,4-Trichlorobenzene
 Concen: 47.00 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	349448		
182	95.0	47.7	143.1	
145	28.2	14.4	43.0	

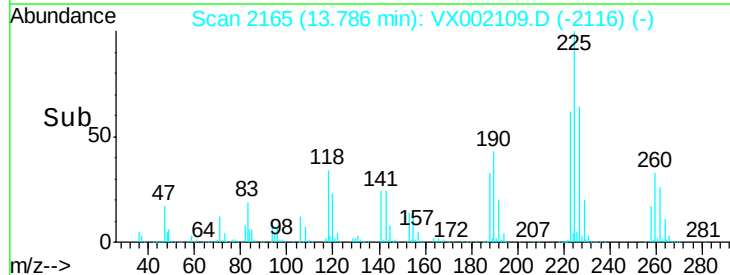
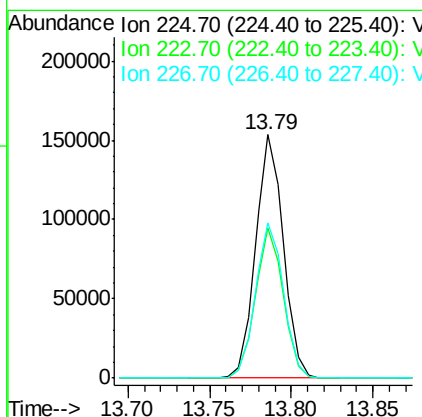
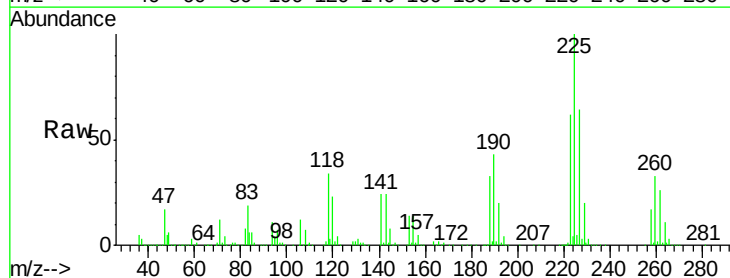
Manual Integrations
 APPROVED

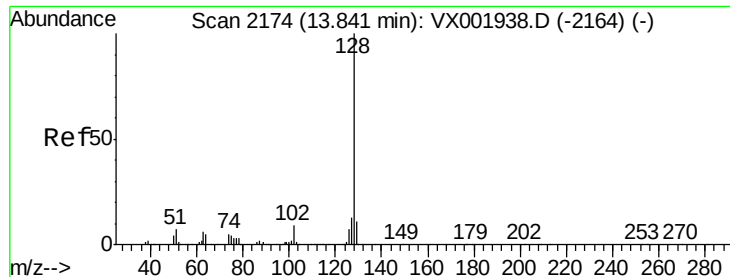
MMDadoda
 5/30/2018 1:51:02 PM



#94
 Hexachlorobutadiene
 Concen: 45.36 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002109.D
 Acq: 29 May 2018 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	181383		
223	61.9	31.1	93.5	
227	64.7	32.1	96.5	





#95

Naphthalene

Concen: 46.40 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1062850

Ion Ratio Lower Upper

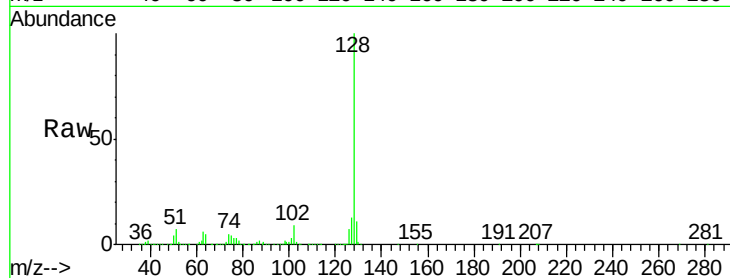
128 100

127 13.1 10.4 15.6

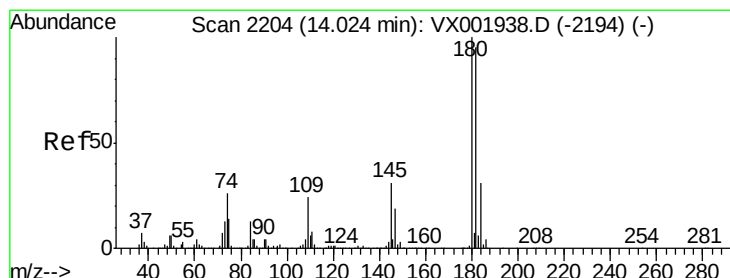
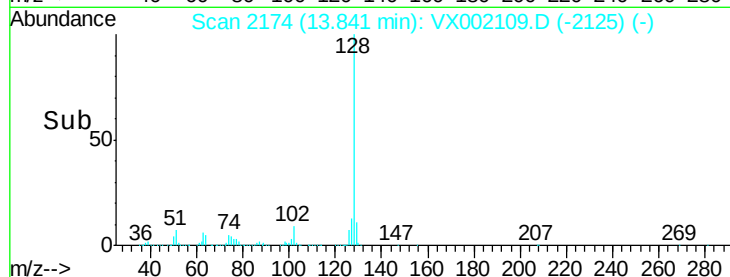
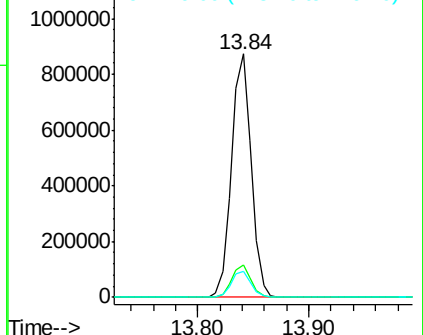
129 10.8 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:51:02 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.39 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002109.D

Acq: 29 May 2018 22:53

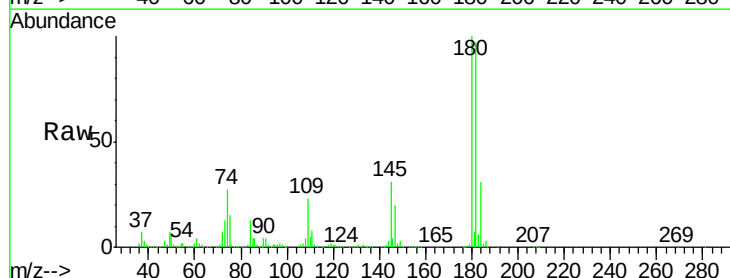
Tgt Ion:180 Resp: 356865

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.6

145 30.2 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

