

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002107.D
 Acq On : 29 May 2018 21:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:51:01 PM

Quant Time: May 30 08:13:02 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	310391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	438049	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	264716	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	230954	41.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.26%	
35) Dibromofluoromethane	5.51	113	179564	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	
50) Toluene-d8	8.72	98	650611	41.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.04%	
62) 4-Bromofluorobenzene	11.14	95	258156	41.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	164475	42.02	ug/l	97
3) Chloromethane	1.32	50	210510	44.08	ug/l	99
4) Vinyl Chloride	1.40	62	210076	45.56	ug/l	100
5) Bromomethane	1.64	94	99556	46.84	ug/l	100
6) Chloroethane	1.72	64	135889	49.99	ug/l	99
7) Trichlorofluoromethane	1.93	101	335048	48.38	ug/l	99
8) Diethyl Ether	2.19	74	128355	51.09	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	186104	48.16	ug/l	98
10) Methyl Iodide	2.51	142	226209	43.26	ug/l	99
11) Tert butyl alcohol	3.09	59	257661	236.59	ug/l	98
12) 1,1-Dichloroethene	2.37	96	177400	49.03	ug/l	99
13) Acrolein	2.30	56	101184	214.88	ug/l	99
14) Allyl chloride	2.73	41	369034	48.59	ug/l	99
15) Acrylonitrile	3.15	53	555320	247.96	ug/l	99
16) Acetone	2.45	43	505618	236.13	ug/l	100
17) Carbon Disulfide	2.57	76	477940	45.90	ug/l	100
18) Methyl Acetate	2.78	43	274786	53.35	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	683842	50.26	ug/l	100
20) Methylene Chloride	2.86	84	200971	54.35	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	187995	53.48	ug/l	97
22) Diisopropyl ether	3.88	45	743828	48.15	ug/l	99
23) Vinyl Acetate	3.83	43	3255866	254.22	ug/l	98
24) 1,1-Dichloroethane	3.70	63	365842	49.86	ug/l	99
25) 2-Butanone	4.71	43	859336	218.97	ug/l	100
26) 2,2-Dichloropropane	4.59	77	273750	36.86	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	216655	45.92	ug/l	97
28) Bromochloromethane	5.03	49	191536	62.64	ug/l	100
29) Tetrahydrofuran	5.17	42	563634	220.74	ug/l	100
30) Chloroform	5.22	83	374032	45.24	ug/l	97
31) Cyclohexane	5.58	56	340740	44.57	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	344682	44.72	ug/l	99
36) 1,1-Dichloropropene	5.81	75	275261	45.18	ug/l	99
37) Ethyl Acetate	4.87	43	348578	43.88	ug/l	99
38) Carbon Tetrachloride	5.79	117	301026	42.37	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	329931	44.08	ug/l	98
40) Benzene	6.15	78	824952	46.21	ug/l	99
41) Methacrylonitrile	5.07	41	196000	46.67	ug/l	99
42) 1,2-Dichloroethane	6.20	62	323819	45.41	ug/l	99
43) Isopropyl Acetate	6.47	43	594883	44.95	ug/l	99
44) Trichloroethene	7.22	130	237946	45.74	ug/l	96
45) 1,2-Dichloropropane	7.52	63	224297	46.27	ug/l	98
46) Dibromomethane	7.67	93	146581	45.67	ug/l	100
47) Bromodichloromethane	7.90	83	289261	42.27	ug/l	99
48) Methyl methacrylate	7.78	41	301549	44.76	ug/l	99
49) 1,4-Dioxane	7.76	88	98293	828.02	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1811708	227.07	ug/l	99
52) Toluene	8.79	92	519763	45.75	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	342711	43.48	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	328929	42.83	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	212275	44.73	ug/l	99
56) Ethyl methacrylate	9.19	69	360836	44.20	ug/l	99
57) 1,3-Dichloropropane	9.38	76	357595	45.74	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	803385	222.05	ug/l	100
59) 2-Hexanone	9.50	43	1373501	223.26	ug/l	99
60) Dibromochloromethane	9.59	129	237308	42.22	ug/l	99
61) 1,2-Dibromoethane	9.68	107	225691	45.32	ug/l	100
64) Tetrachloroethene	9.34	164	273697	47.29	ug/l	99
65) Chlorobenzene	10.14	112	584175	45.68	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	225291	43.63	ug/l	99
67) Ethyl Benzene	10.26	91	1027951	46.27	ug/l	99
68) m/p-Xylenes	10.37	106	786808	92.64	ug/l	99
69) o-Xylene	10.70	106	388389	45.80	ug/l	100
70) Styrene	10.72	104	640730	45.56	ug/l	99
71) Bromoform	10.86	173	193707	39.56	ug/l #	100
73) Isopropylbenzene	11.02	105	1030021	45.95	ug/l	100
74) N-amyl acetate	6.47	43	594883	51.23	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	301566	49.17	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	328016m	51.59	ug/l	
77) Bromobenzene	11.26	156	275645	46.35	ug/l	98
78) n-propylbenzene	11.37	91	1175066	46.80	ug/l	100
79) 2-Chlorotoluene	11.43	91	703608	51.14	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	880352	45.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	99582	37.64	ug/l	95
82) 4-Chlorotoluene	11.52	91	816617	46.12	ug/l	100
83) tert-Butylbenzene	11.77	119	840317	44.70	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	907342	45.83	ug/l	100
85) sec-Butylbenzene	11.95	105	1040555	46.05	ug/l	99
86) p-Isopropyltoluene	12.07	119	925873	45.79	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	489578	45.96	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	491805	46.19	ug/l	99
89) n-Butylbenzene	12.39	91	799078	46.64	ug/l	99
90) Hexachloroethane	12.60	117	159586	40.01	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	501007	46.17	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	81228	40.76	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	358835	46.24	ug/l	100
94) Hexachlorobutadiene	13.79	225	188430	45.14	ug/l	99
95) Naphthalene	13.84	128	1110840	46.46	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	366289	45.62	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: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 310391

Ion Ratio Lower Upper

168 100

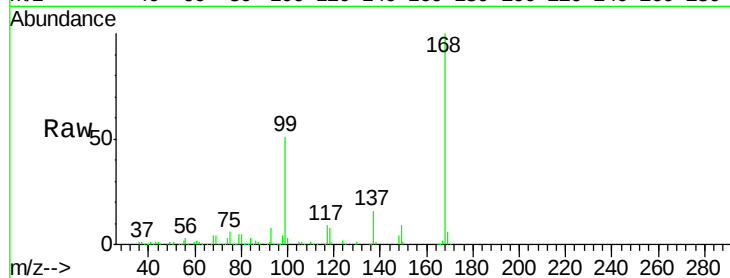
99 51.1 41.0 61.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

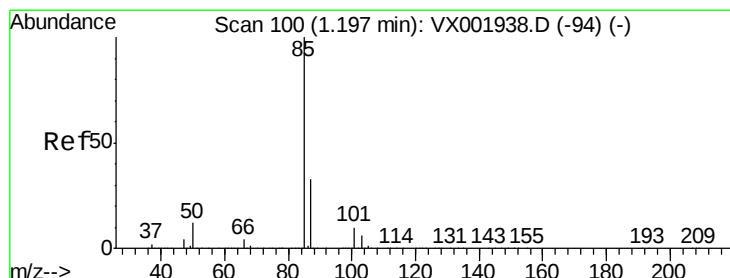
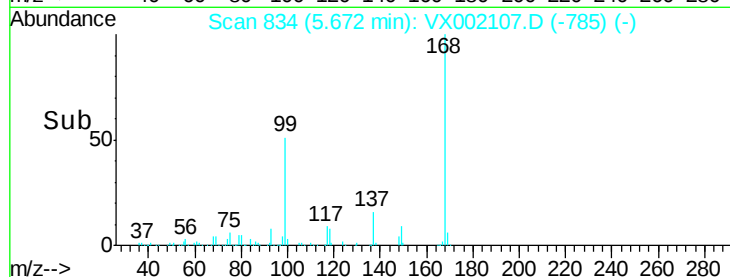
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 42.02 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002107.D

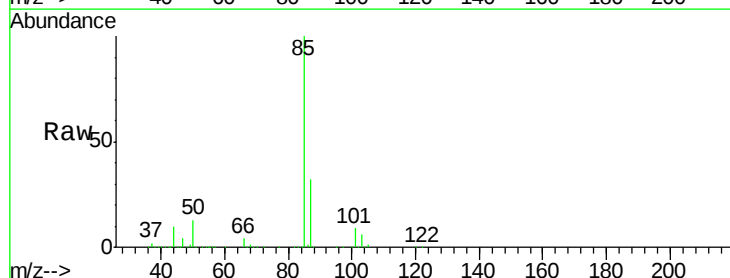
Acq: 29 May 2018 21:33

Tgt Ion: 85 Resp: 164475

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

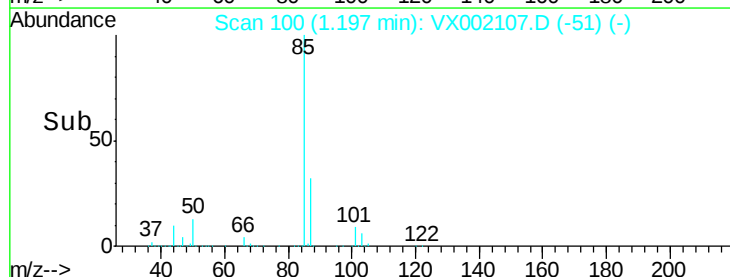
150000

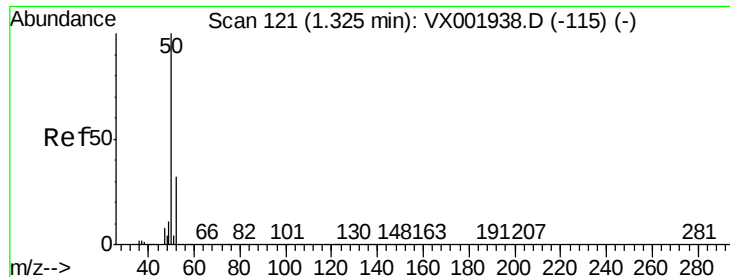
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 44.08 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 210510

Ion Ratio Lower Upper

50 100

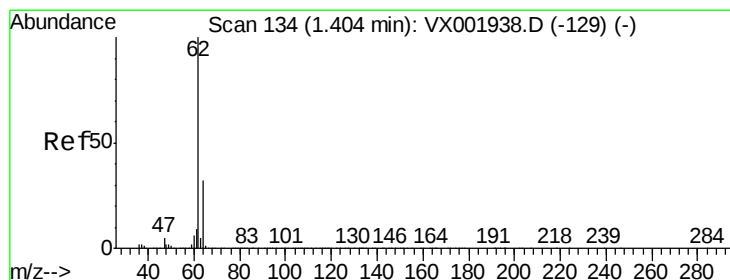
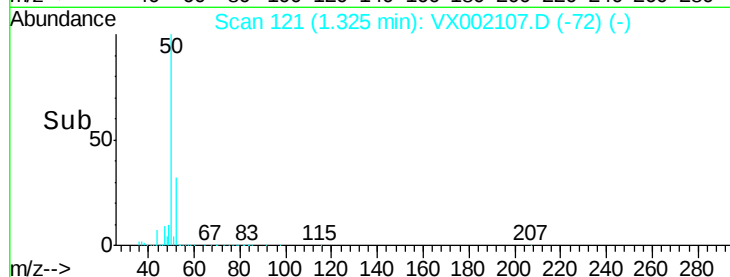
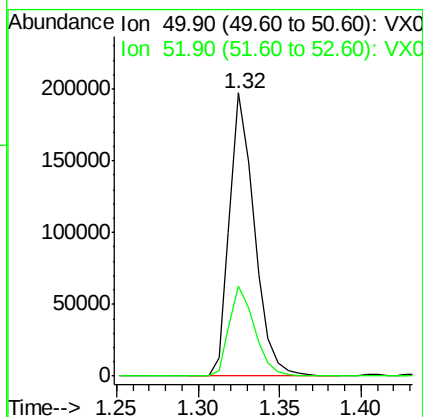
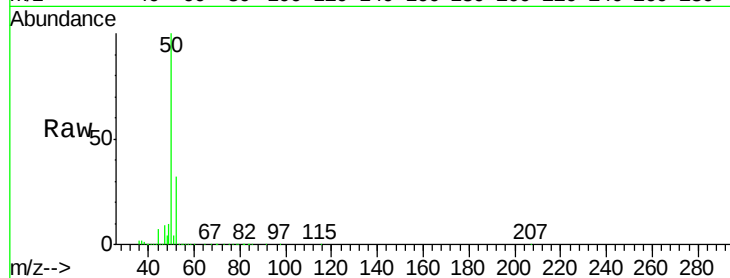
52 31.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002107.D

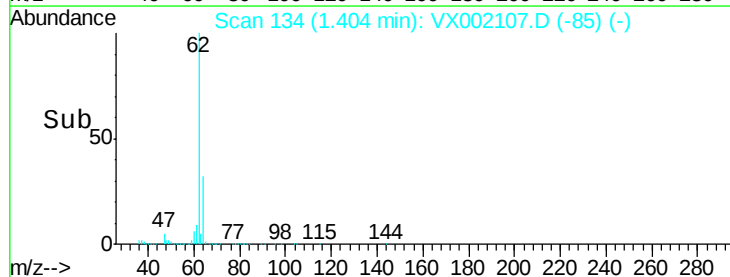
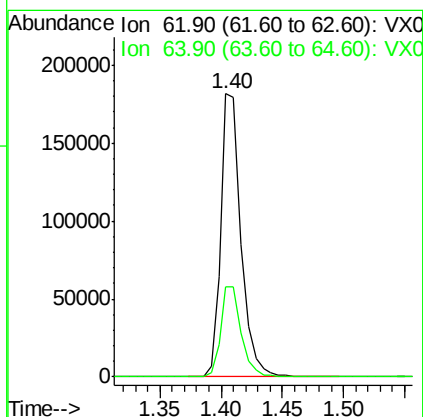
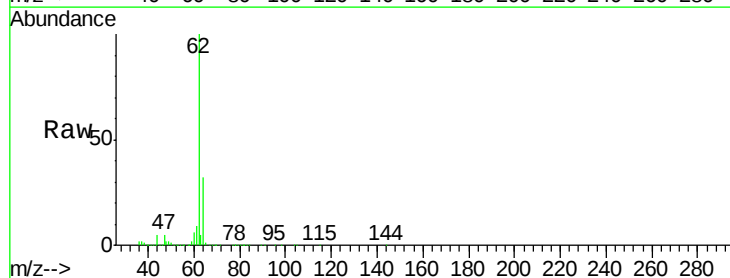
Acq: 29 May 2018 21:33

Tgt Ion: 62 Resp: 210076

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 46.84 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 99556

Ion Ratio Lower Upper

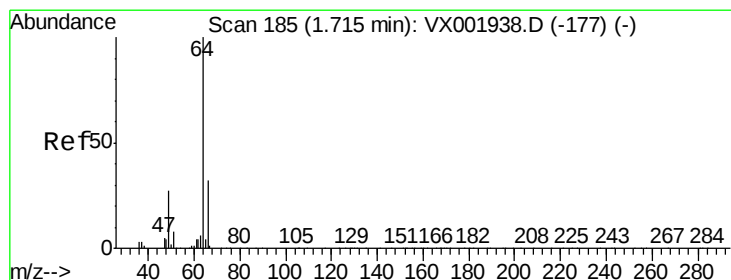
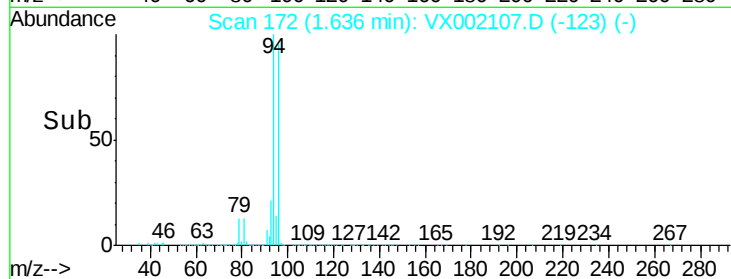
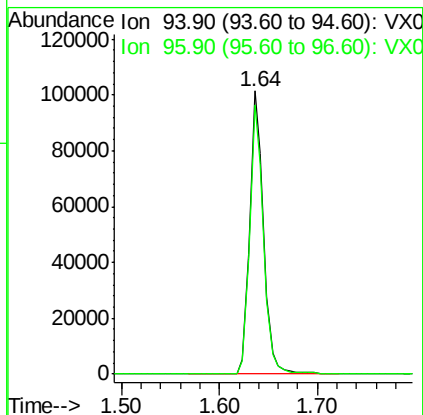
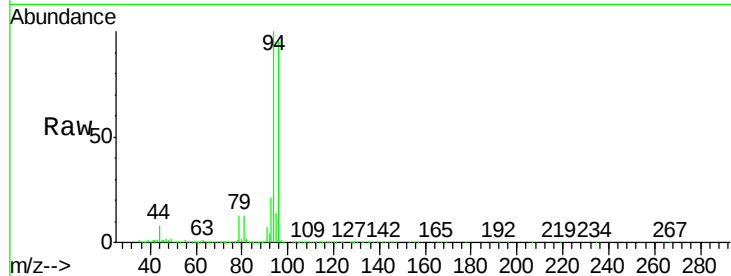
94 100

96 95.2 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 49.99 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002107.D

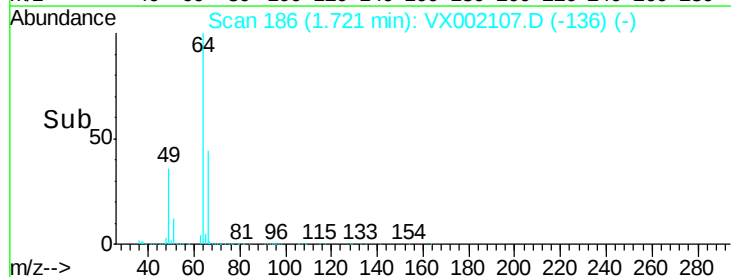
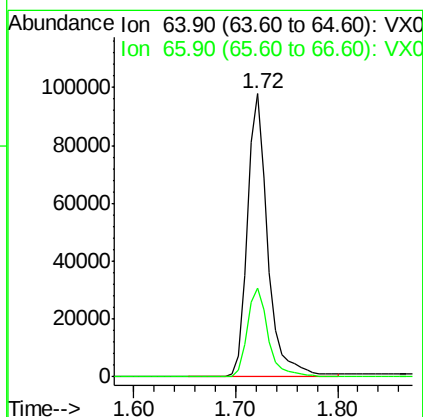
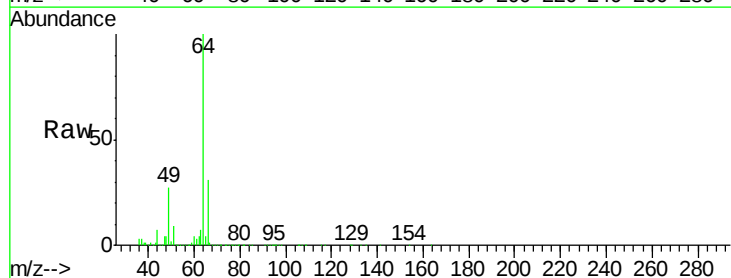
Acq: 29 May 2018 21:33

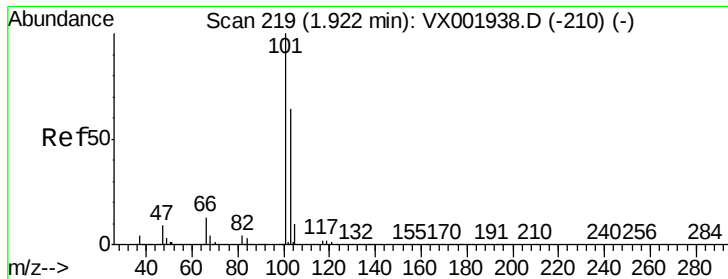
Tgt Ion: 64 Resp: 135889

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4





#7

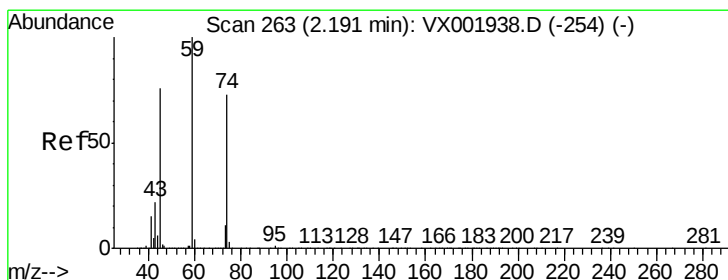
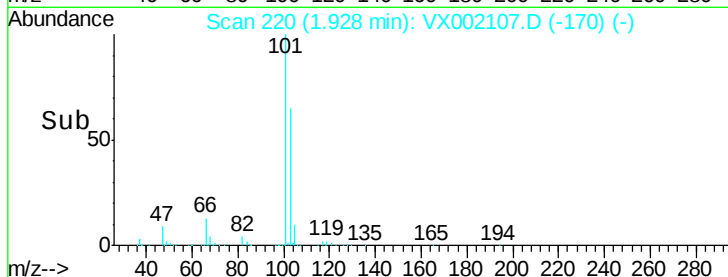
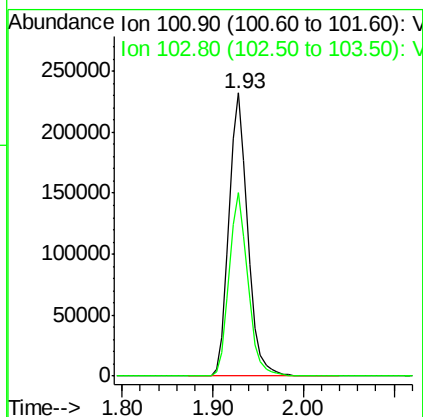
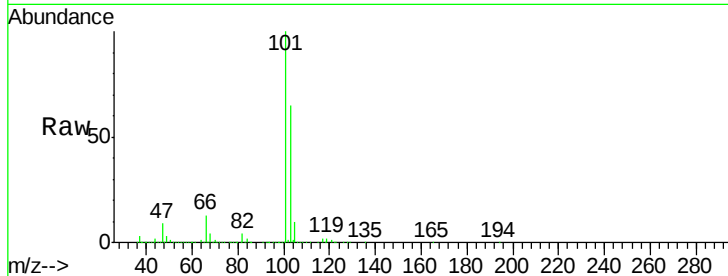
Trichlorofluoromethane
Concen: 48.38 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002107.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.0

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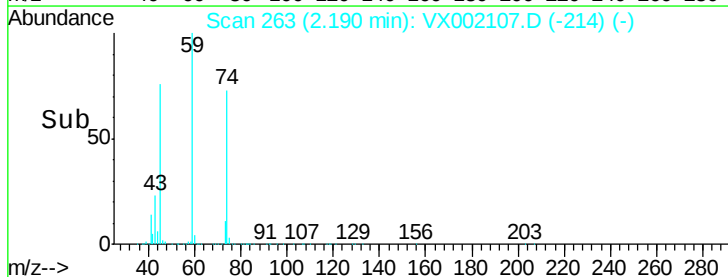
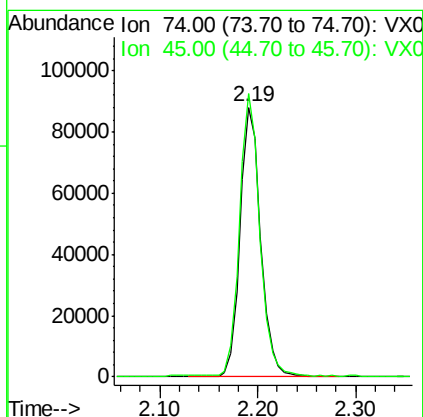
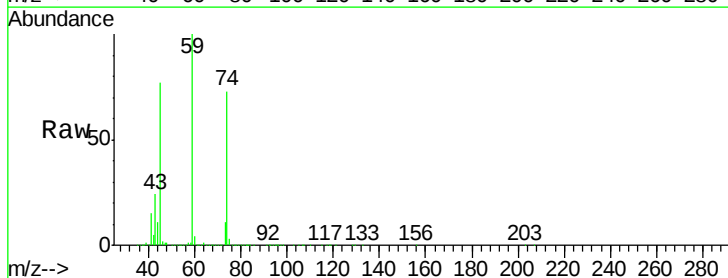
MMDadoda
5/30/2018 1:51:01 PM



#8

Diethyl Ether
Concen: 51.09 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.16 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

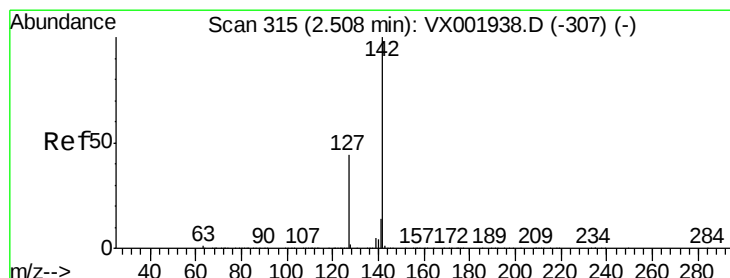
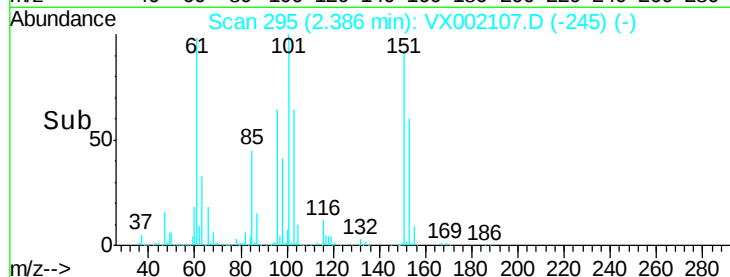
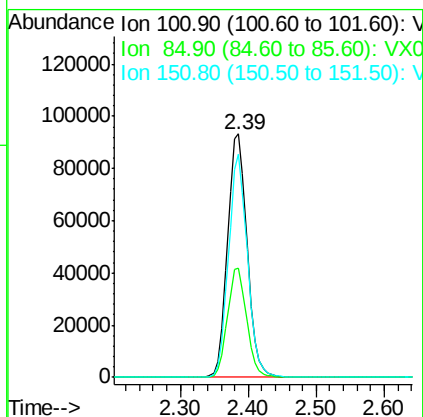
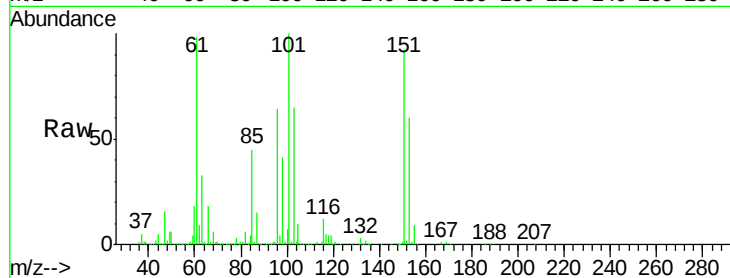
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	186104
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	88.4	73.2	109.8

Manual Integrations
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5/30/2018 1:51:01 PM



#10

Methyl Iodide

Concen: 43.26 ug/l

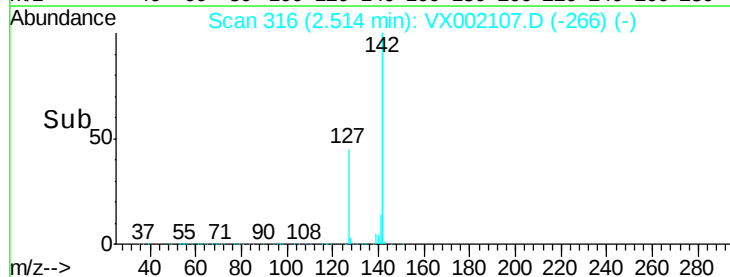
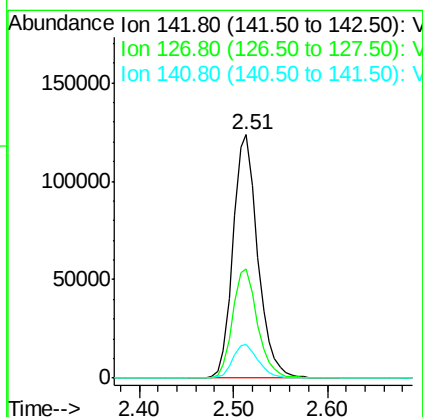
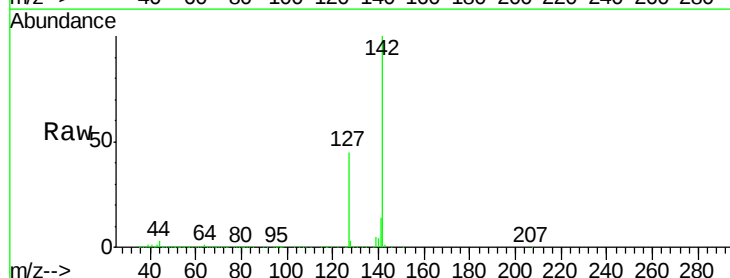
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Tgt Ion:	142	Resp:	226209
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.5	53.3
141	14.2	11.3	16.9





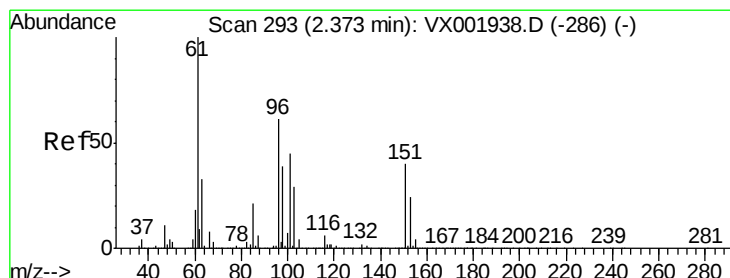
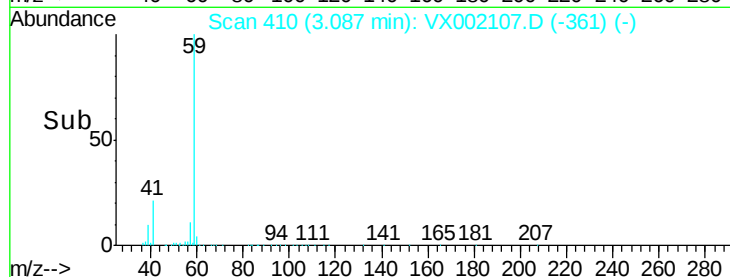
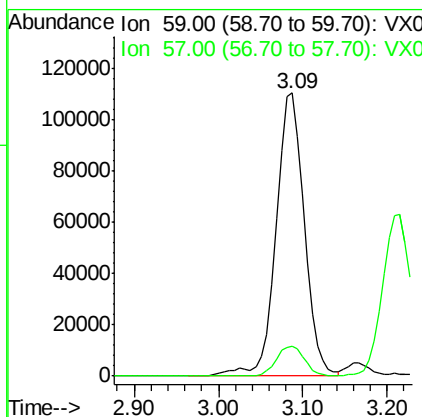
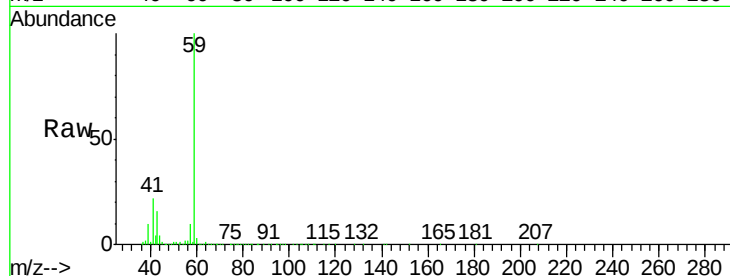
#11
Tert butyl alcohol
Concen: 236.59 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.3	8.9	13.3

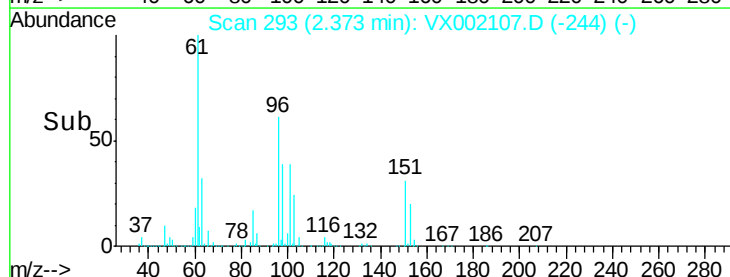
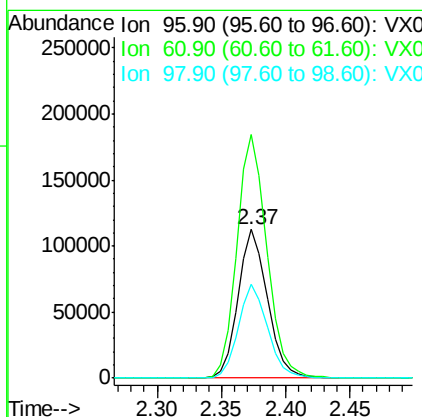
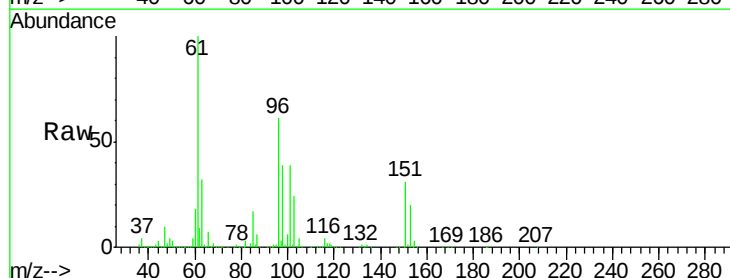
Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:51:01 PM



#12
1,1-Dichloroethene
Concen: 49.03 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	164.3	131.7	197.5
98	98	63.3	51.6	77.4





#13

Acrolein

Concen: 214.88 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 101184

Ion Ratio Lower Upper

56 100

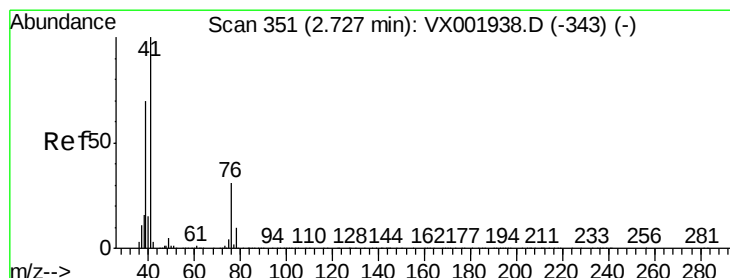
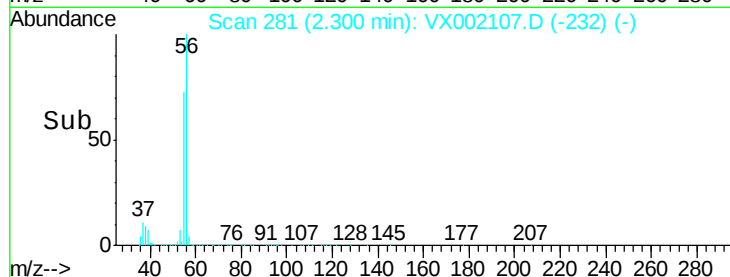
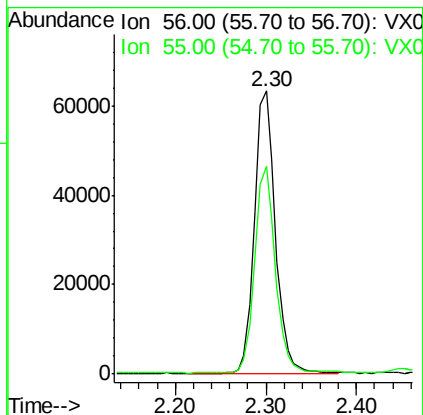
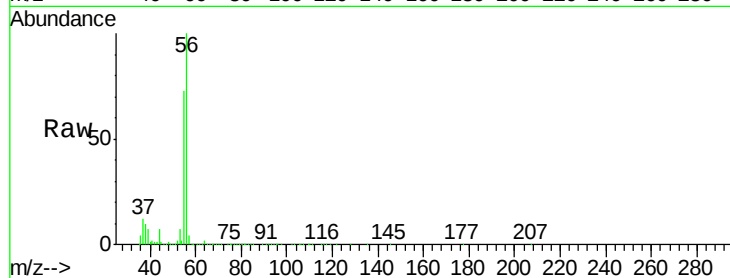
55 71.7 56.8 85.2

Manual Integrations

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MMDadoda

5/30/2018 1:51:01 PM



#14

Allyl chloride

Concen: 48.59 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

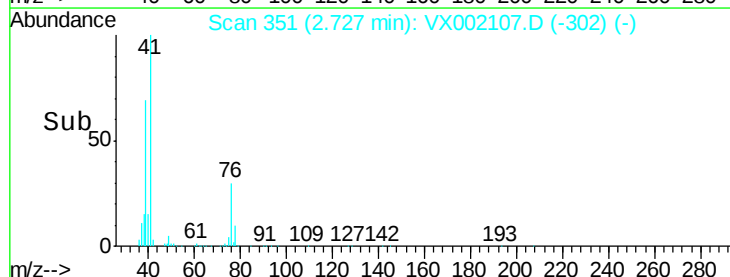
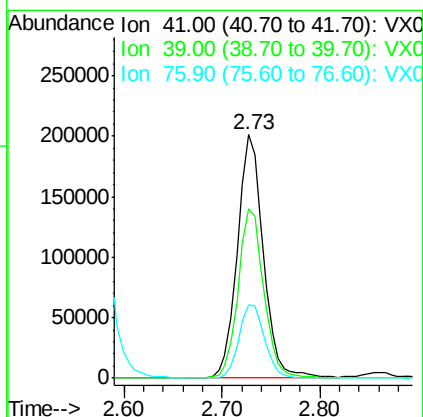
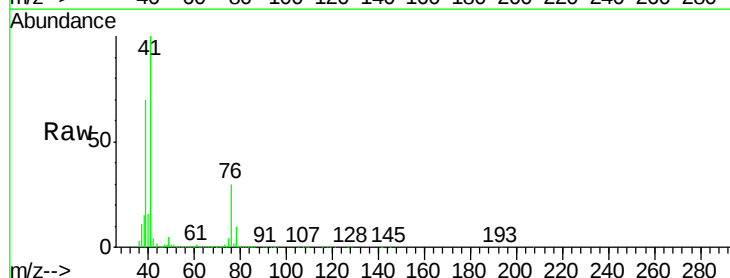
Tgt Ion: 41 Resp: 369034

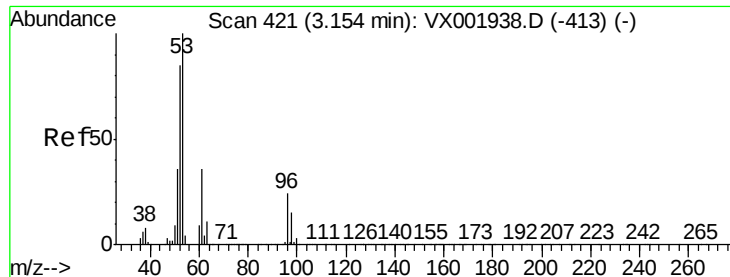
Ion Ratio Lower Upper

41 100

39 68.4 54.3 81.5

76 30.1 24.2 36.4





#15

Acrylonitrile

Concen: 247.96 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

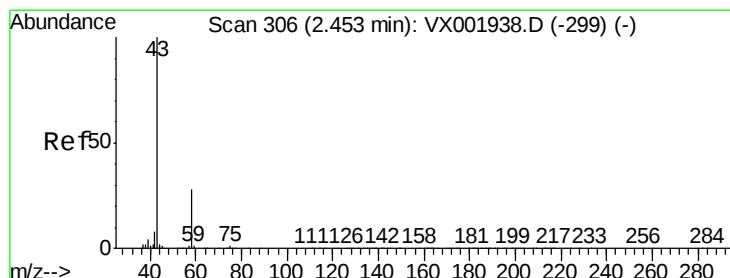
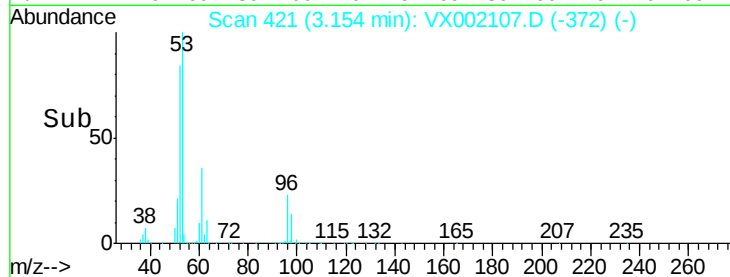
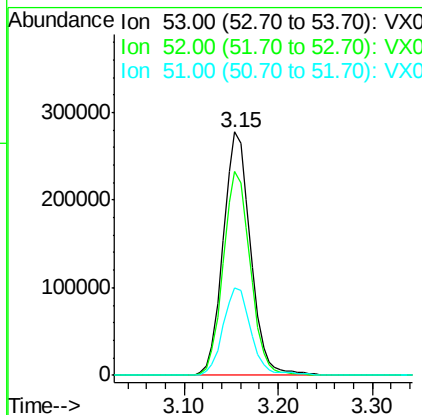
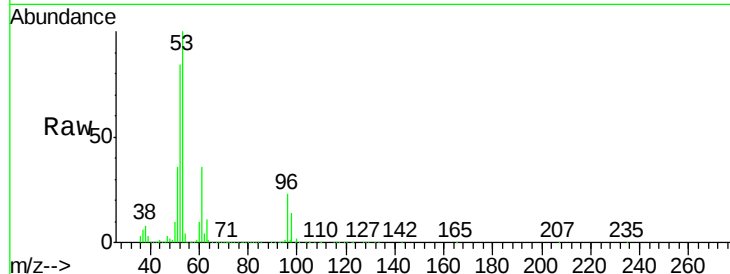
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	555320
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.4	99.6
51	36.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 236.13 ug/l

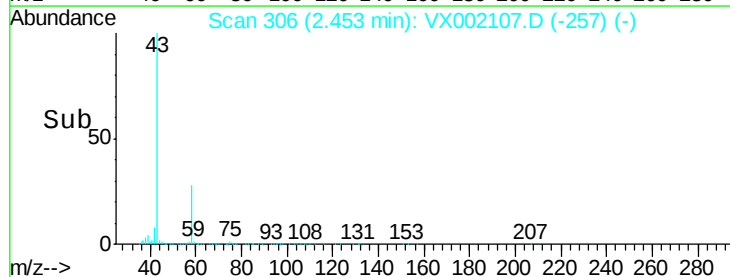
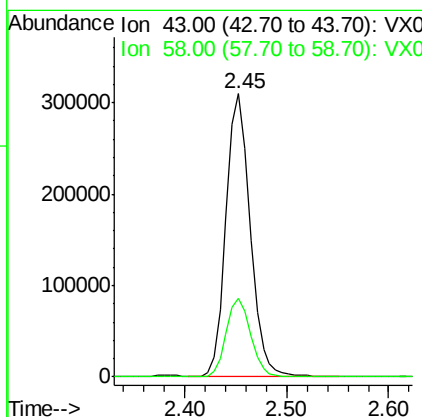
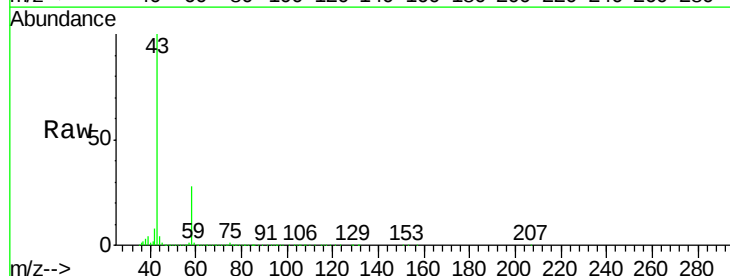
RT: 2.45 min Scan# 306

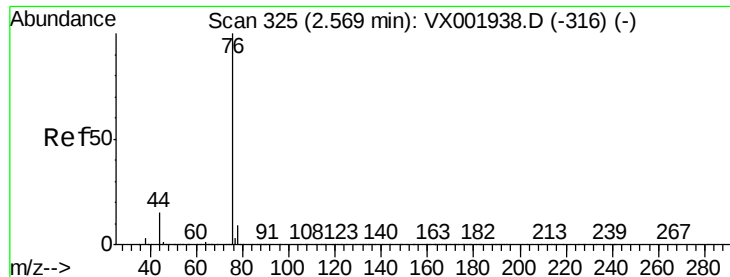
Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Tgt Ion:	43	Resp:	505618
Ion Ratio		Lower	Upper
43	100		
58	27.7	22.3	33.5





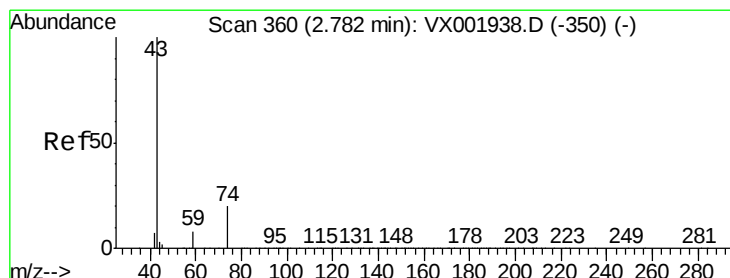
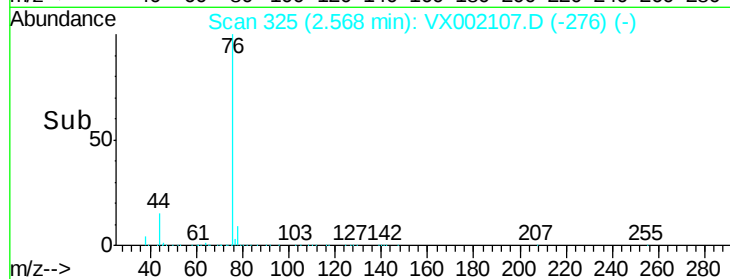
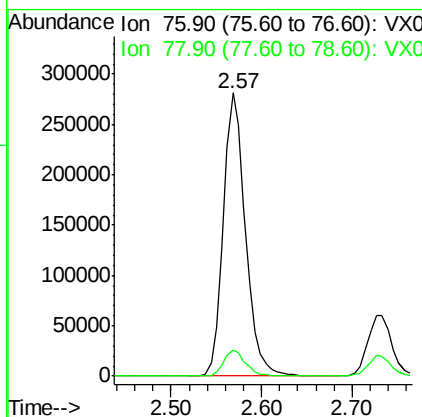
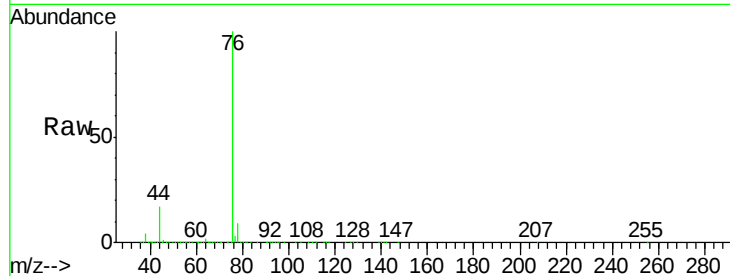
#17
Carbon Disulfide
Concen: 45.90 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

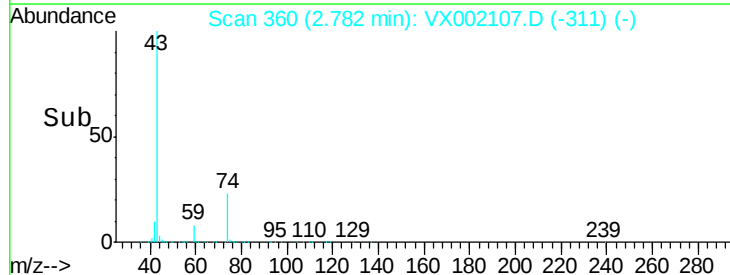
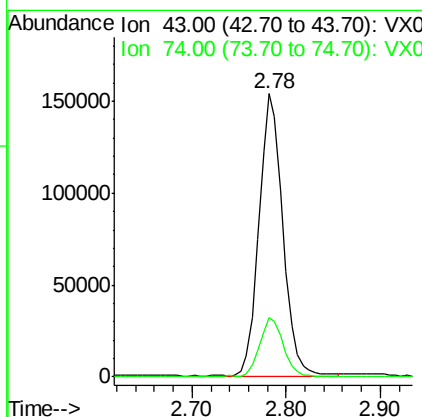
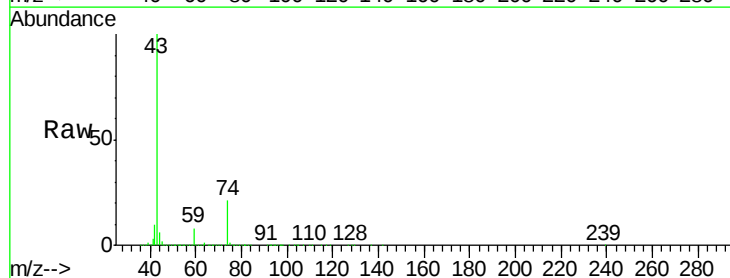
Manual Integrations
APPROVED

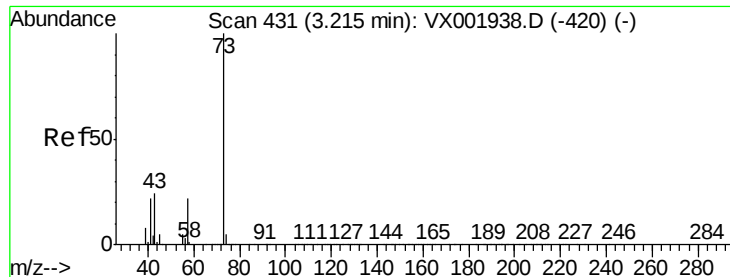
MMDadoda
5/30/2018 1:51:01 PM



#18
Methyl Acetate
Concen: 53.35 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.8	25.2





#19

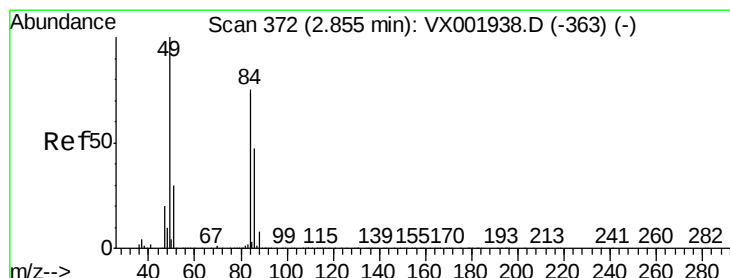
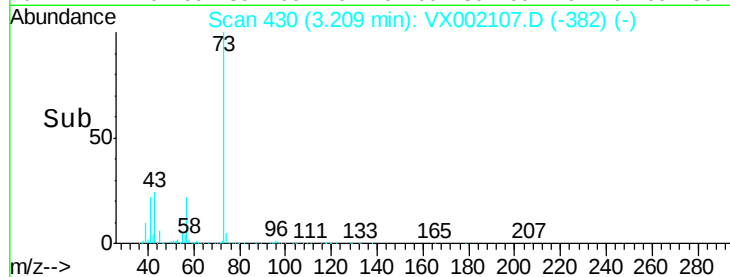
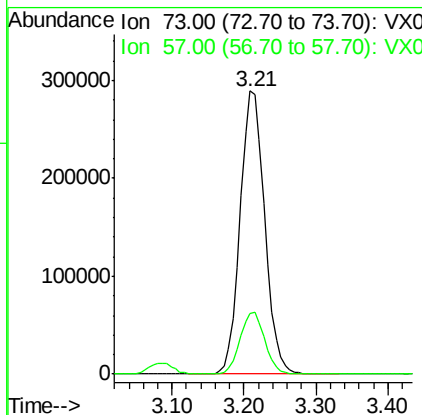
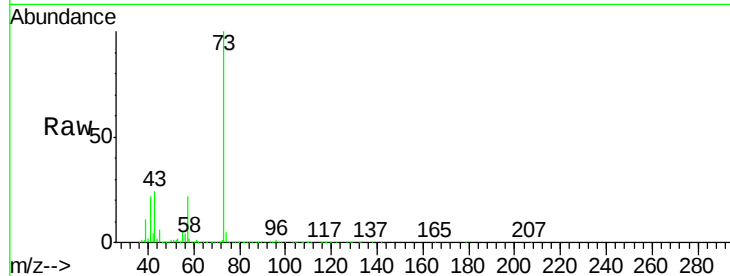
Methyl tert-butyl Ether
 Concen: 50.26 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0

Manual Integrations
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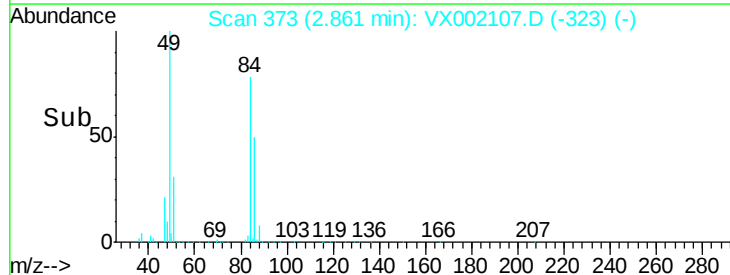
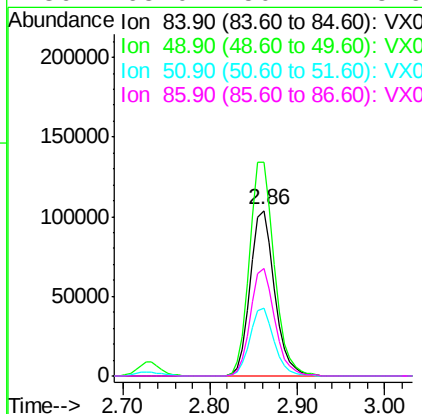
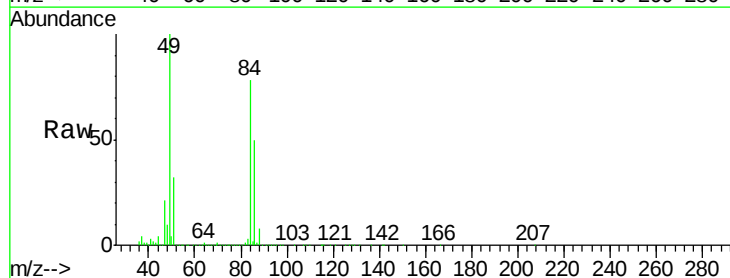
MMDadoda
 5/30/2018 1:51:01 PM



#20

Methylene Chloride
 Concen: 54.35 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.8	107.2	160.8
51	40.5	32.4	48.6
86	65.0	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 53.48 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

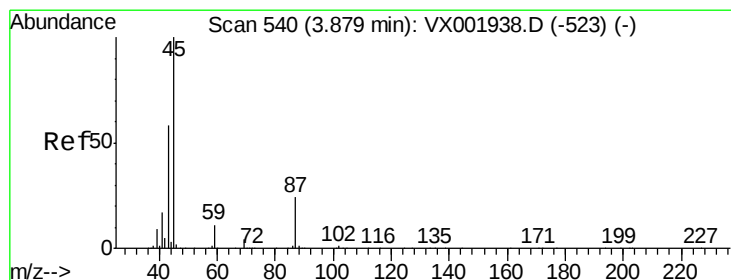
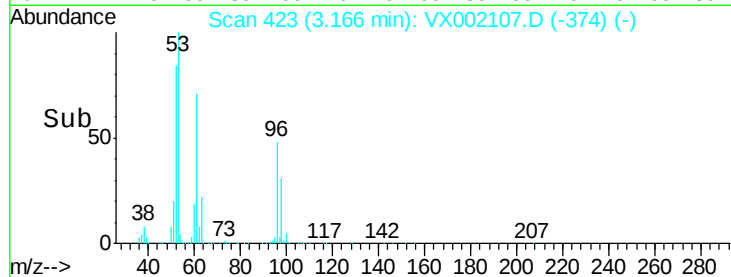
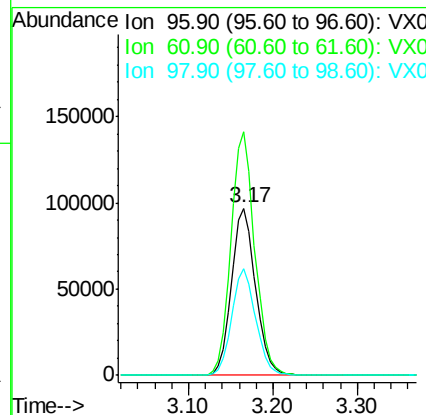
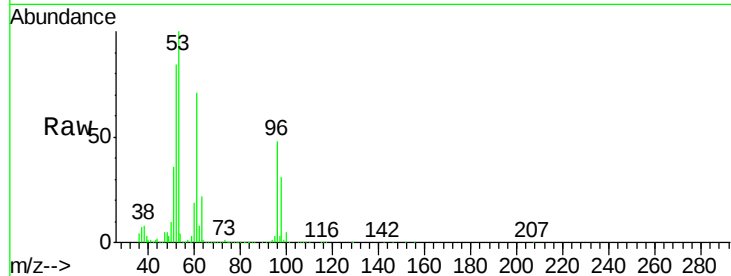
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	187995
Ion	Ratio	Lower	Upper
96	100		
61	145.9	113.3	169.9
98	63.8	51.7	77.5

Manual Integrations
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5/30/2018 1:51:01 PM



#22

Diisopropyl ether

Concen: 48.15 ug/l

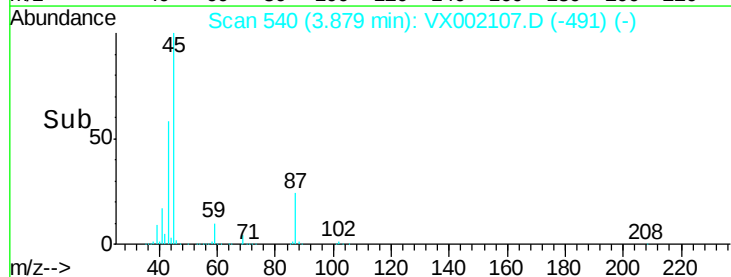
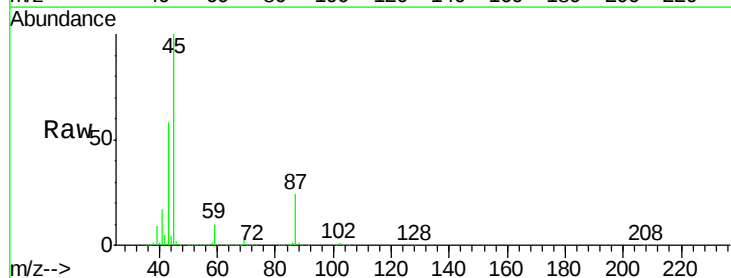
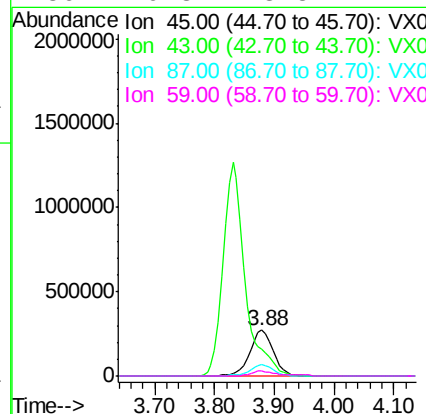
RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Tgt Ion:	45	Resp:	743828
Ion	Ratio	Lower	Upper
45	100		
43	57.6	47.0	70.6
87	24.3	19.4	29.0
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 254.22 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3255866

Ion Ratio Lower Upper

43 100

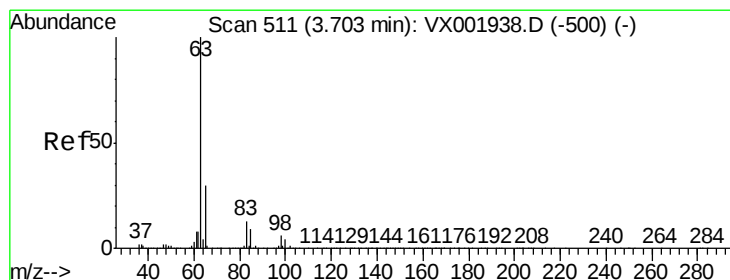
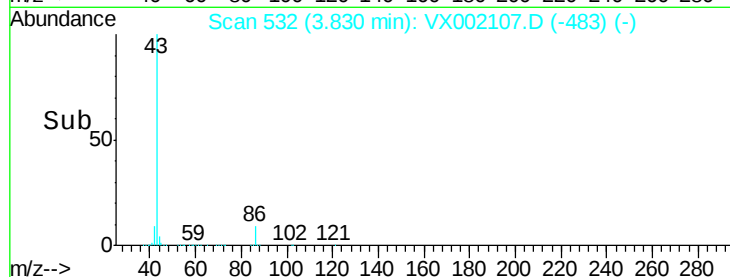
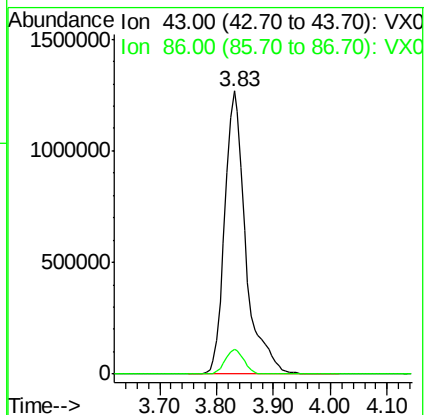
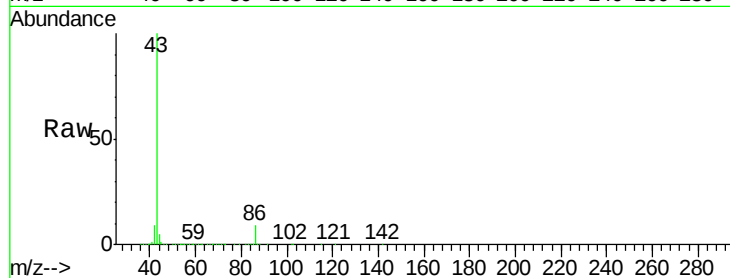
86 8.8 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

5/30/2018 1:51:01 PM



#24

1,1-Dichloroethane

Concen: 49.86 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

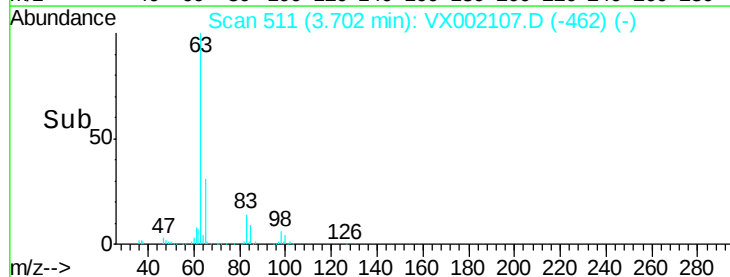
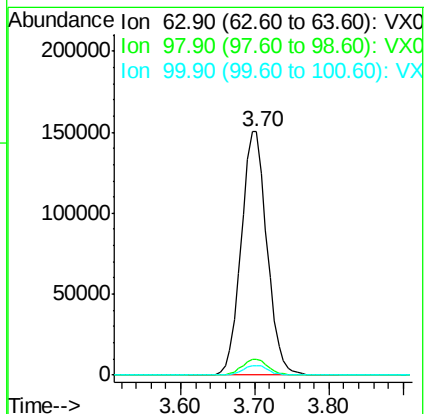
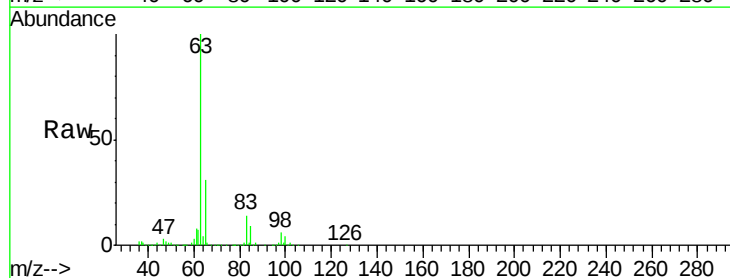
Tgt Ion: 63 Resp: 365842

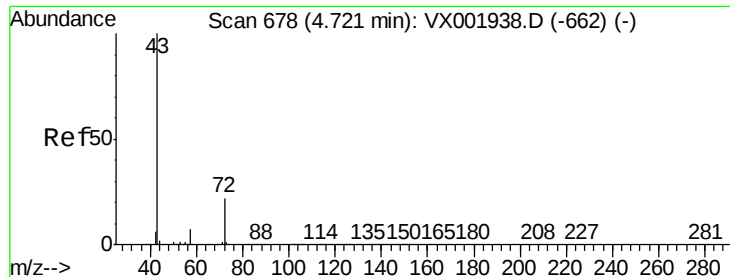
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 3.9 2.1 6.5





#25

2-Butanone

Concen: 218.97 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Tot Ion: 43 Resp: 859336

Ion Ratio Lower Upper

43 100

72 22.6 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

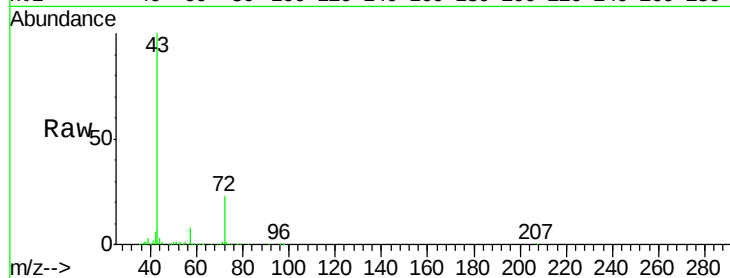
VSTDCCC050EC

Manual Integrations

APPROVED

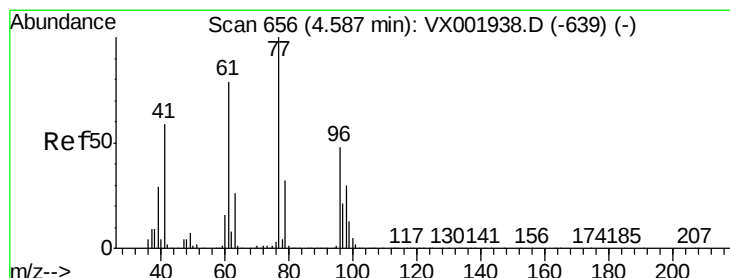
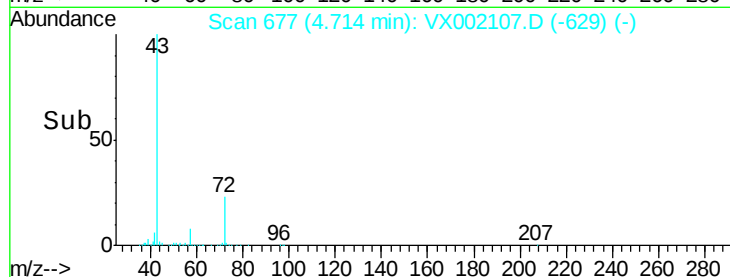
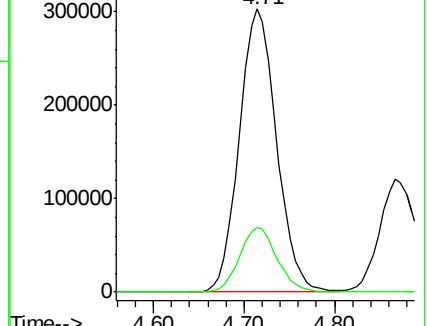
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 36.86 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002107.D

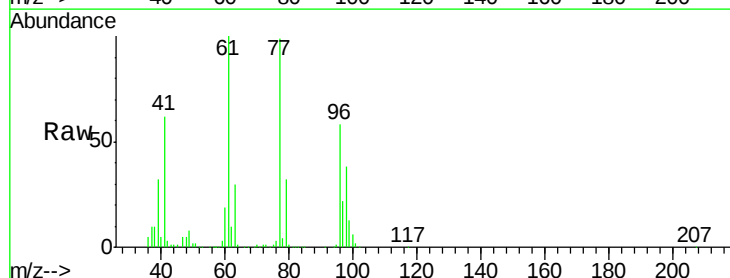
Acq: 29 May 2018 21:33

Tgt Ion: 77 Resp: 273750

Ion Ratio Lower Upper

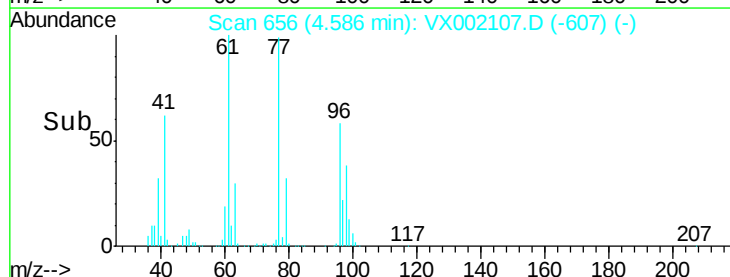
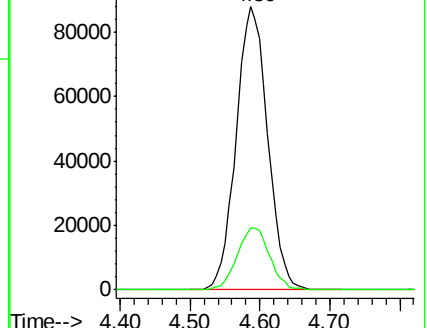
77 100

97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

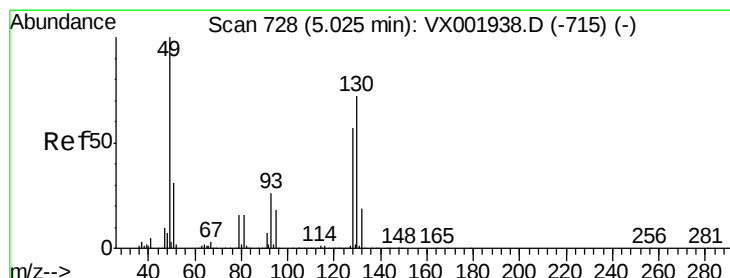
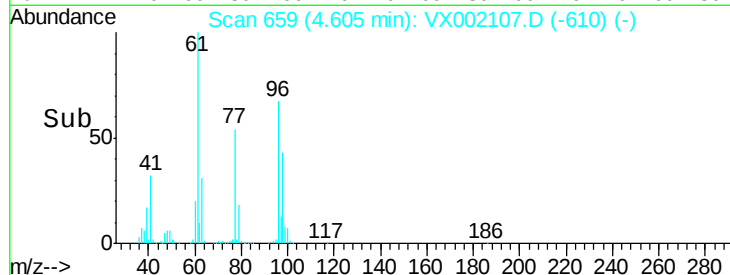
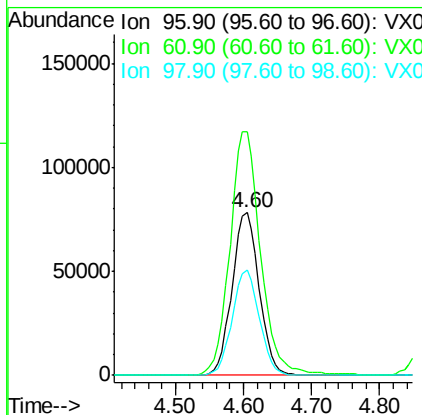
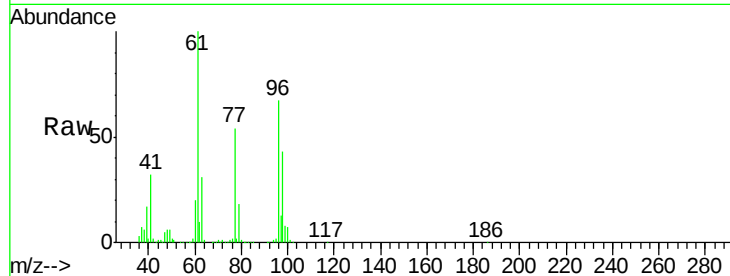
cis-1,2-Dichloroethene
Concen: 45.92 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	216655		
61	168.6	0.0	348.4	
98	64.6	0.0	128.6	

Manual Integrations
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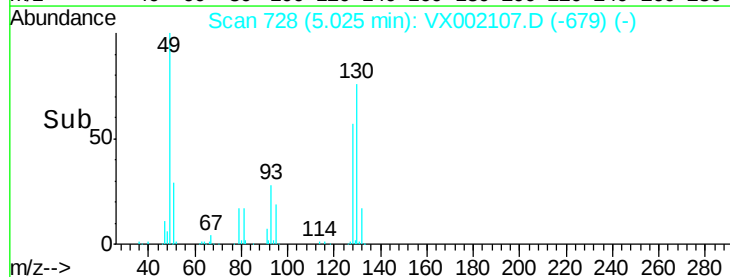
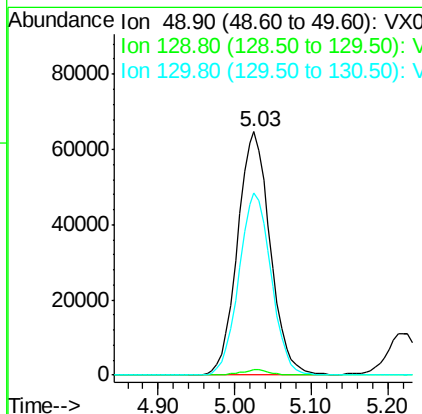
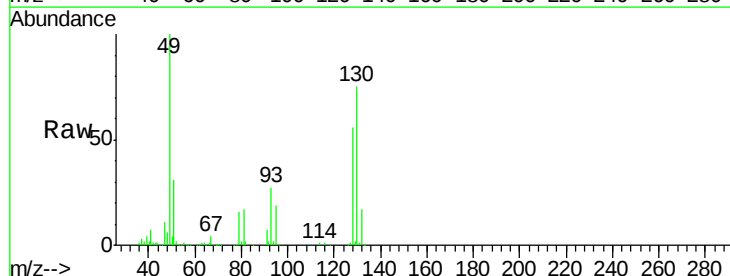
MMDadoda
5/30/2018 1:51:01 PM



#28

Bromochloromethane
Concen: 62.64 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	191536		
129	2.0	0.0	3.8	
130	74.0	59.4	89.2	





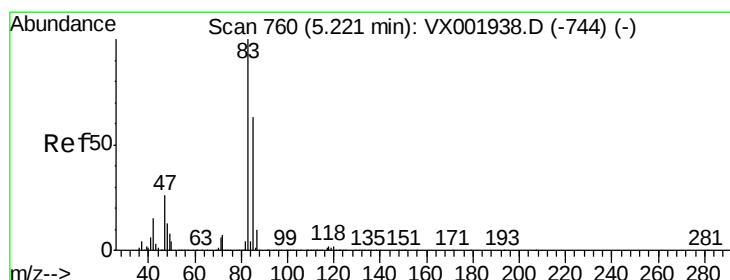
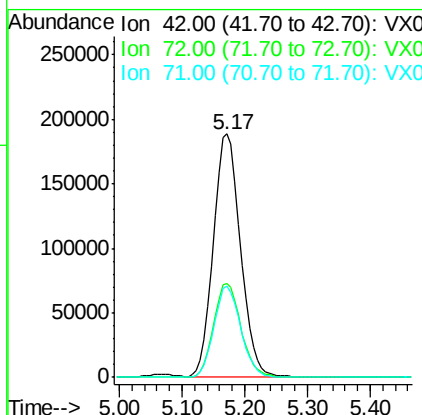
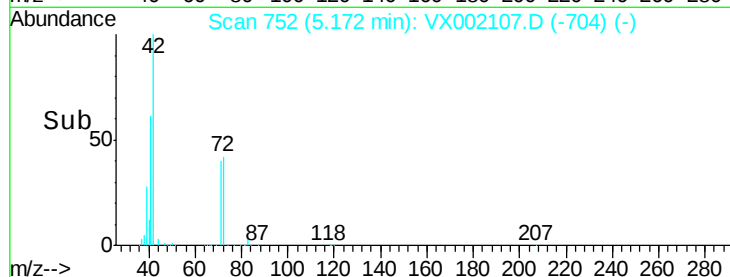
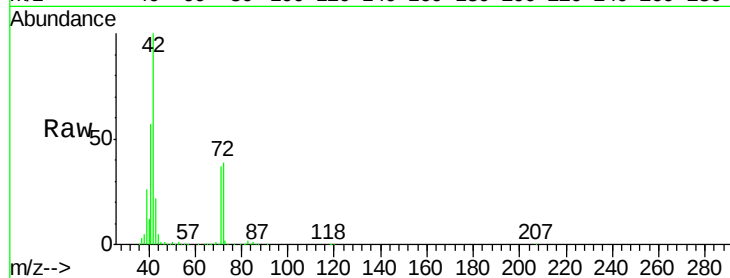
#29
Tetrahydrofuran
Concen: 220.74 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	563634
Ion Ratio		Lower	Upper
42	100		
72	39.2	31.4	47.0
71	37.0	29.5	44.3

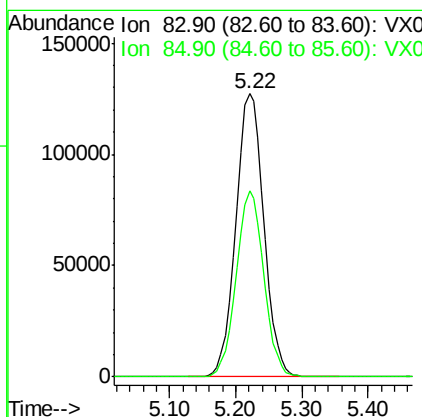
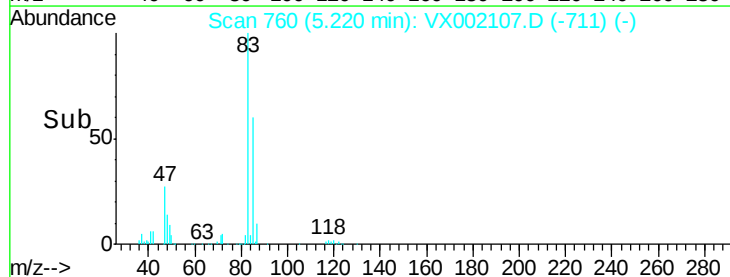
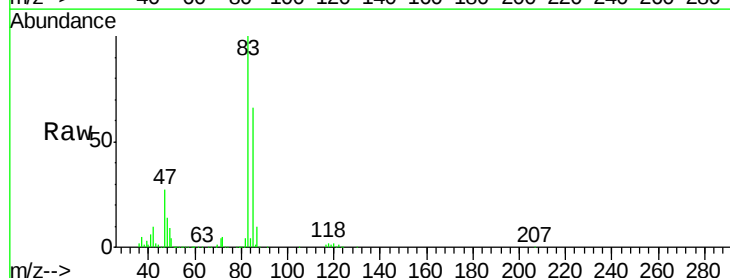
Manual Integrations
APPROVED

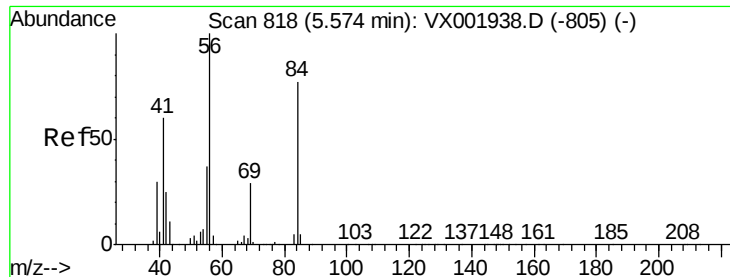
MMDadoda
5/30/2018 1:51:01 PM



#30
Chloroform
Concen: 45.24 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion:	83	Resp:	374032
Ion Ratio		Lower	Upper
83	100		
85	65.8	50.9	76.3





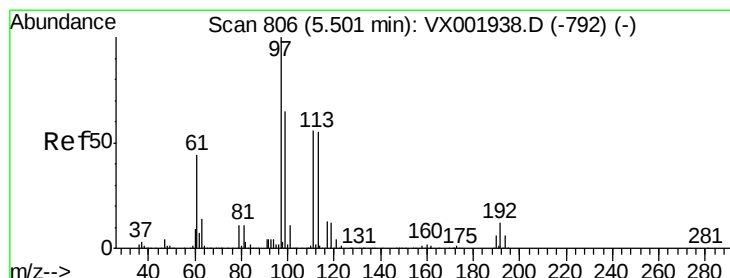
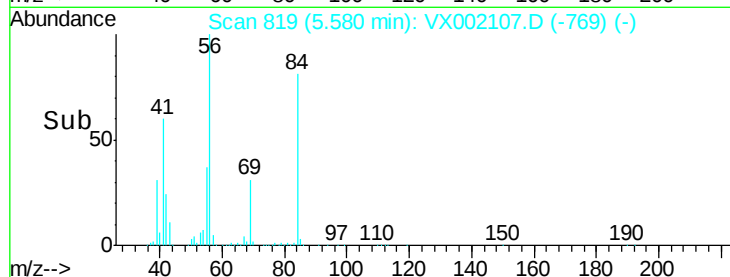
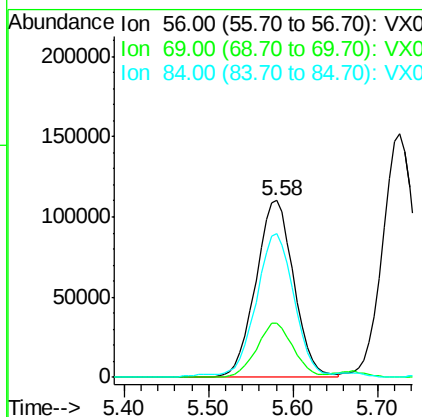
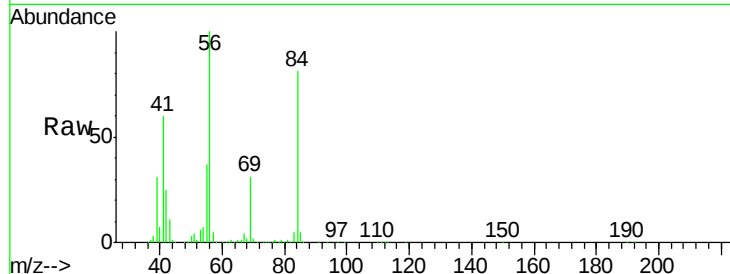
#31
Cyclohexane
Concen: 44.57 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.1	34.7
84	80.2	62.0	93.0

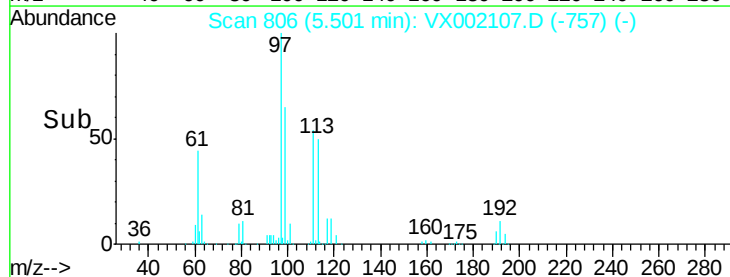
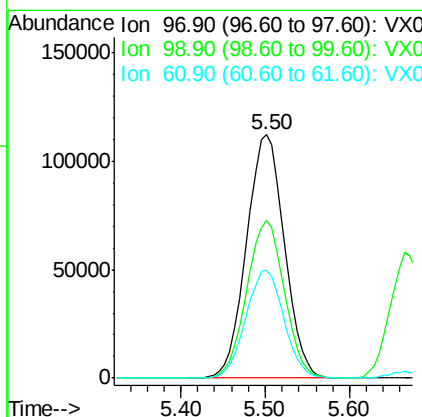
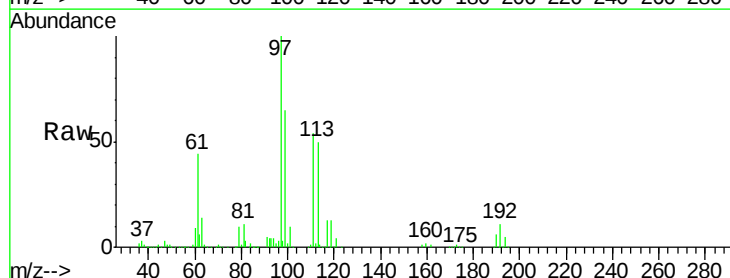
Manual Integrations
APPROVED

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#32
1,1,1-Trichloroethane
Concen: 44.72 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.9	77.9
61	44.7	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 41.63 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 230954

Ion Ratio Lower Upper

65 100

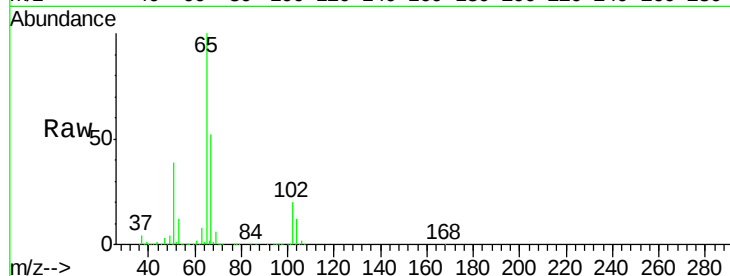
67 51.3 0.0 104.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

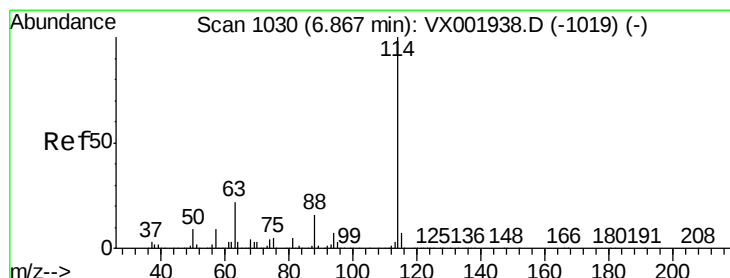
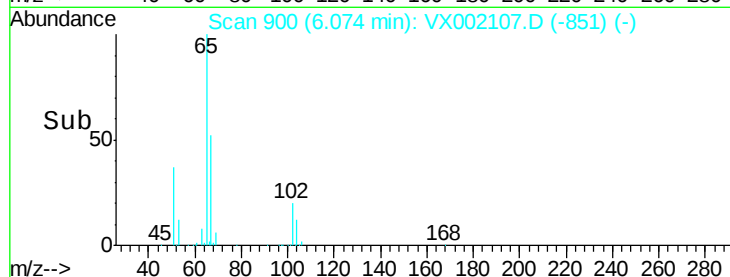
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

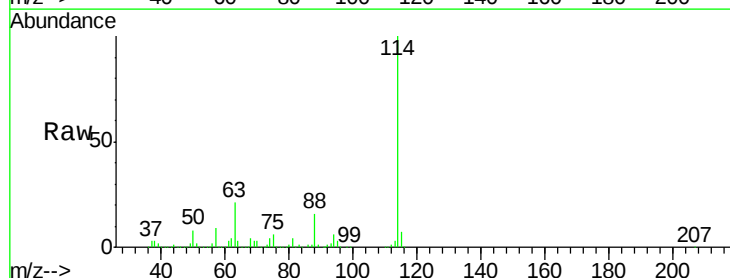
Tgt Ion: 114 Resp: 438049

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

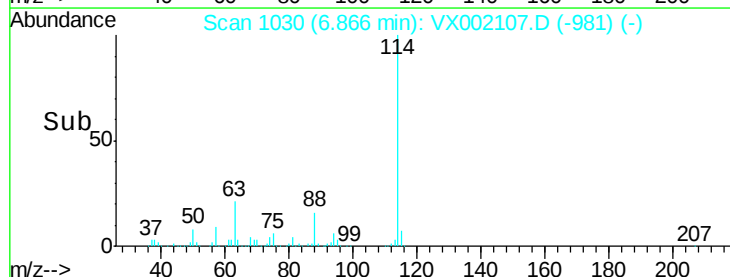
150000

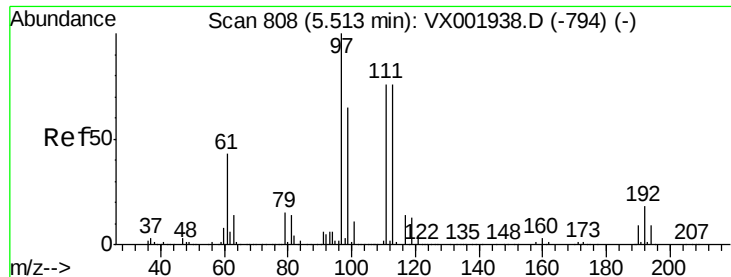
100000

50000

0

Time-->





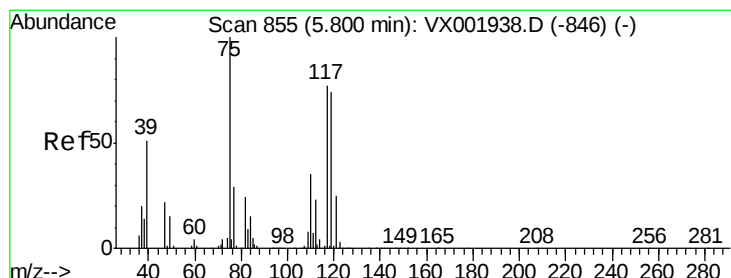
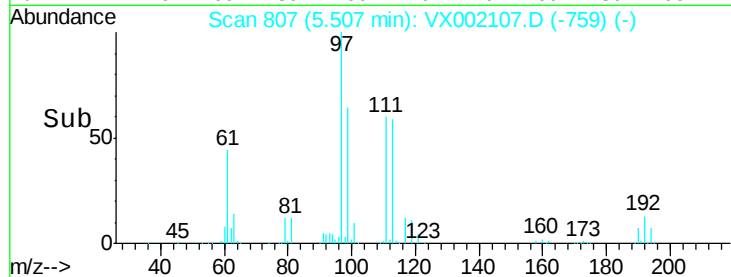
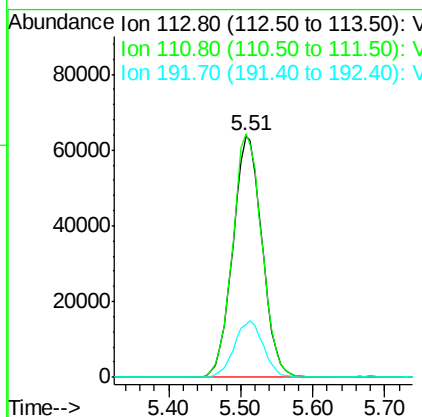
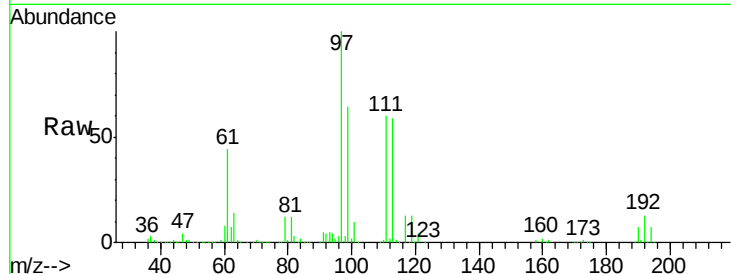
#35
 Dibromofluoromethane
 Concen: 40.99 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179564		
111	101.1	82.0	123.0	
192	23.3	18.9	28.3	

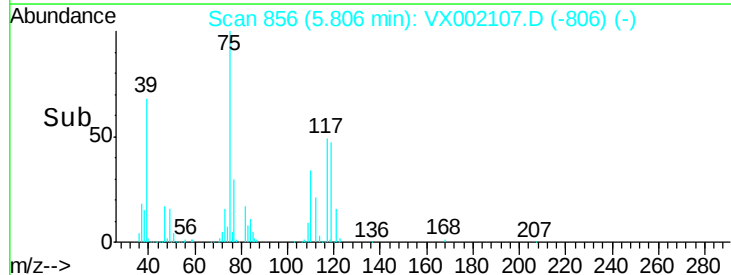
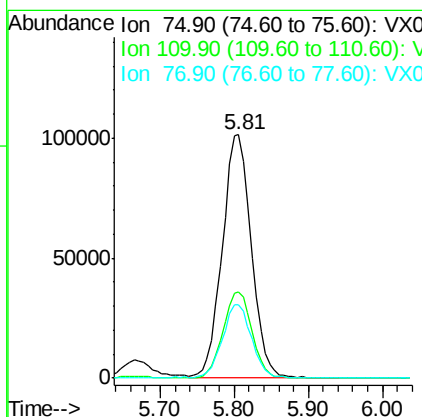
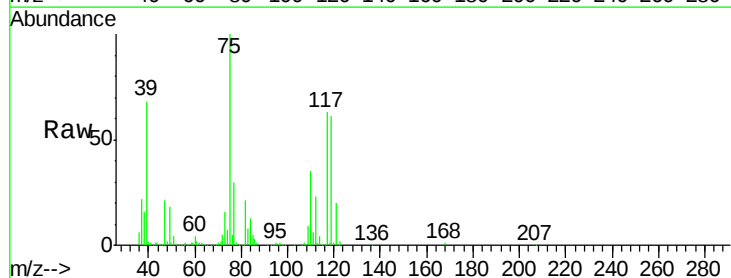
Manual Integrations
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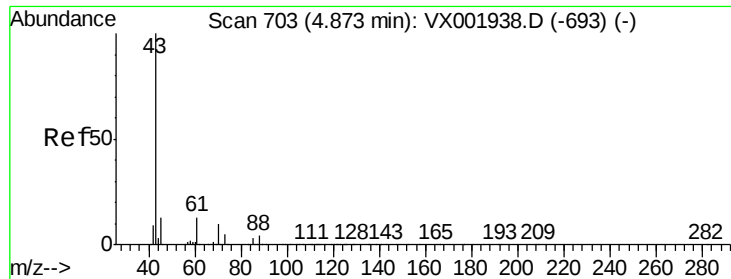
MMDadoda
 5/30/2018 1:51:01 PM



#36
 1,1-Dichloropropene
 Concen: 45.18 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	275261		
110	35.6	17.4	52.2	
77	30.4	24.4	36.6	





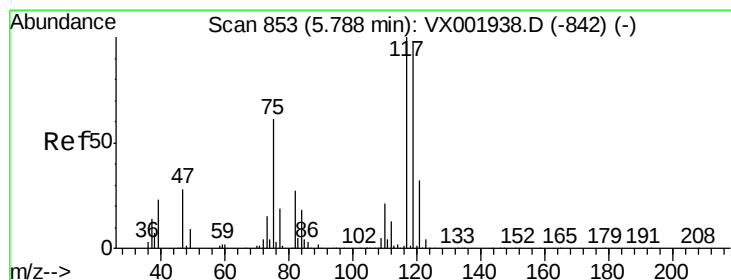
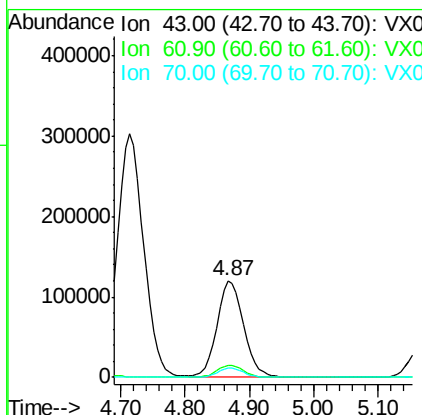
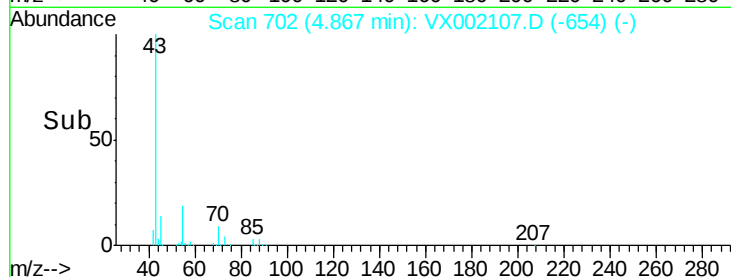
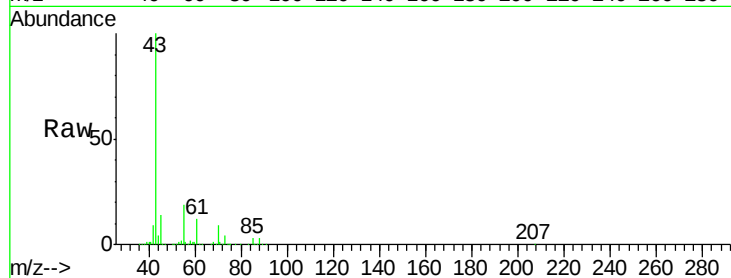
#37
Ethyl Acetate
Concen: 43.88 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.2	15.2
70	9.4	7.8	11.8

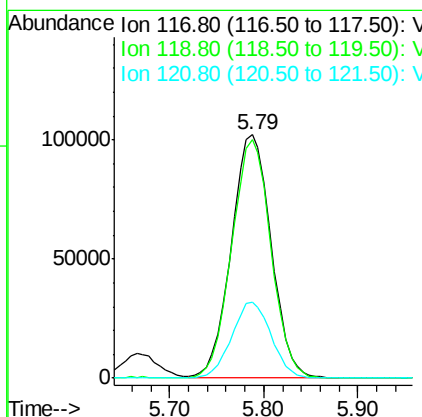
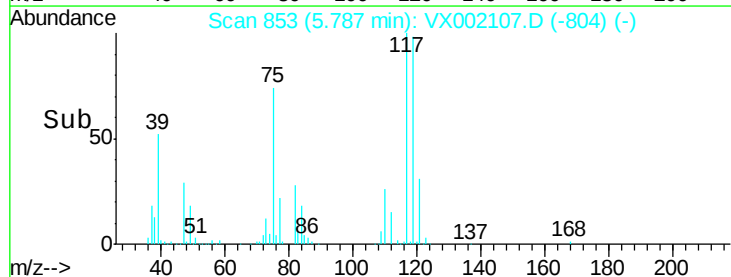
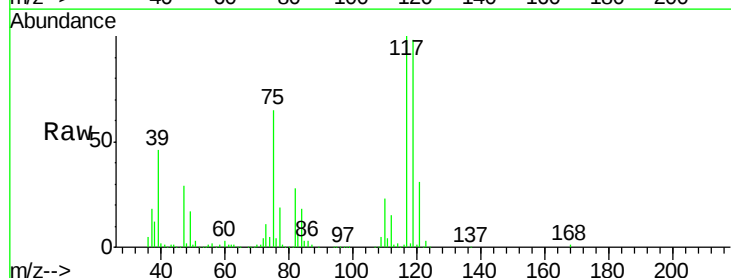
Manual Integrations
APPROVED

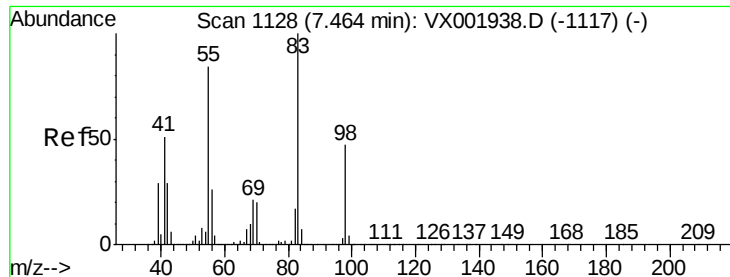
MMDadoda
5/30/2018 1:51:01 PM



#38
Carbon Tetrachloride
Concen: 42.37 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.5	117.7
121	31.1	25.5	38.3





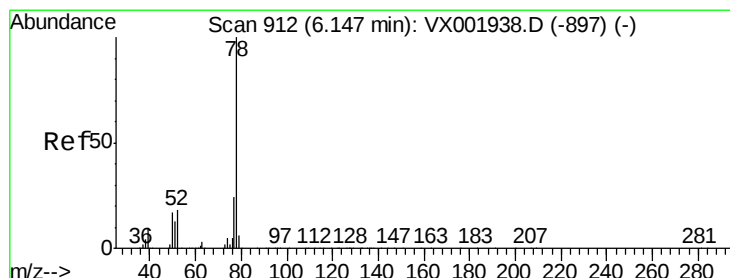
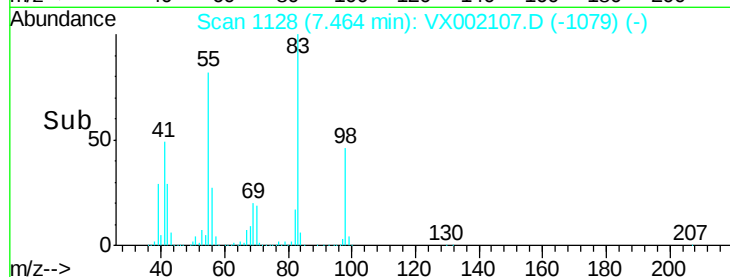
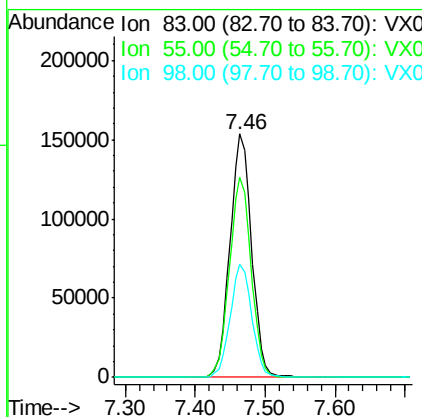
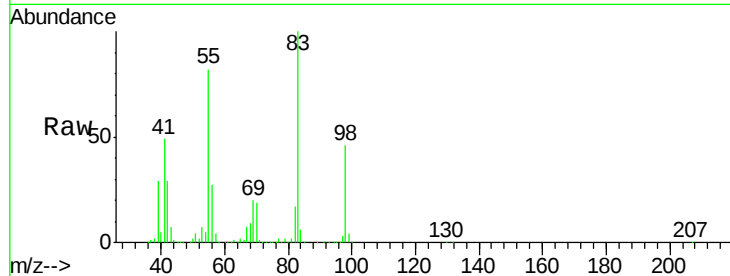
#39
Methvlcvclohexane
Concen: 44.08 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	329931		
55	82.1	67.3	100.9	
98	46.5	37.5	56.3	

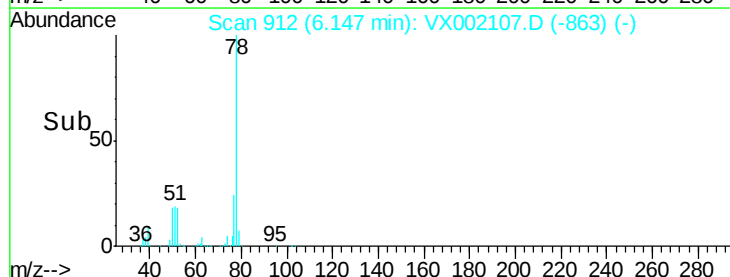
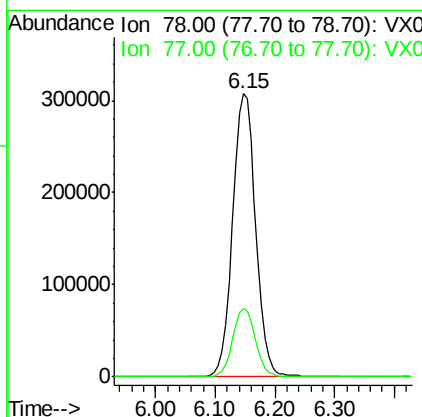
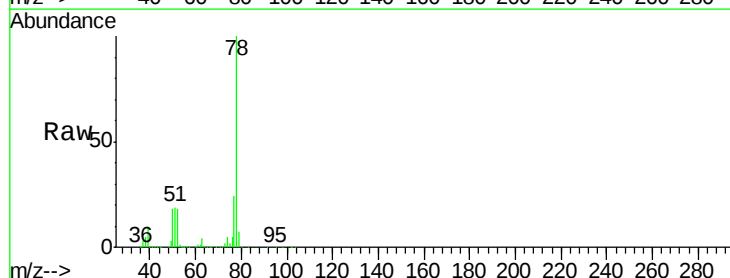
Manual Integrations
APPROVED

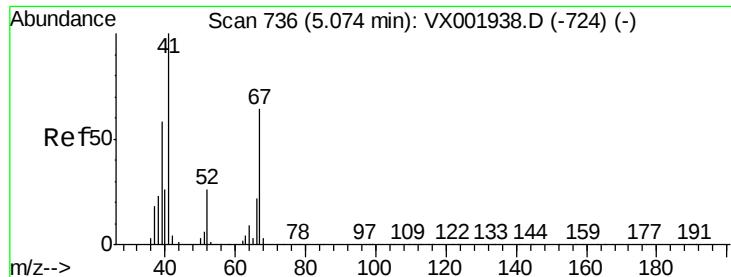
MMDadoda
5/30/2018 1:51:01 PM



#40
Benzene
Concen: 46.21 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	824952		
77	24.3	19.1	28.7	





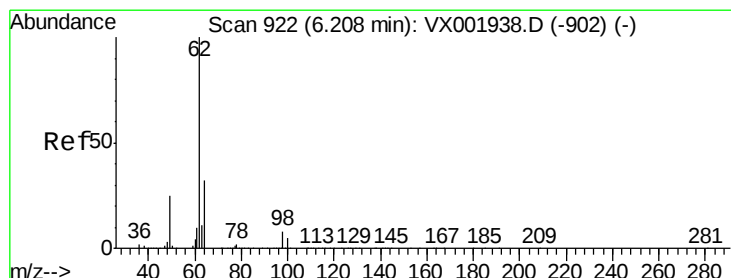
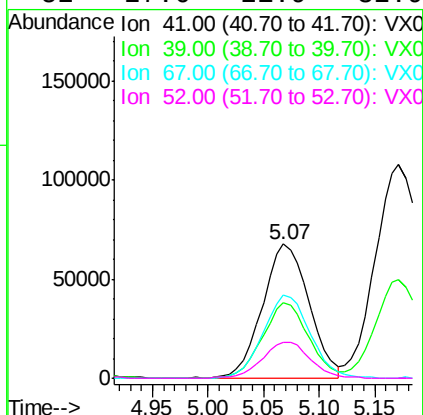
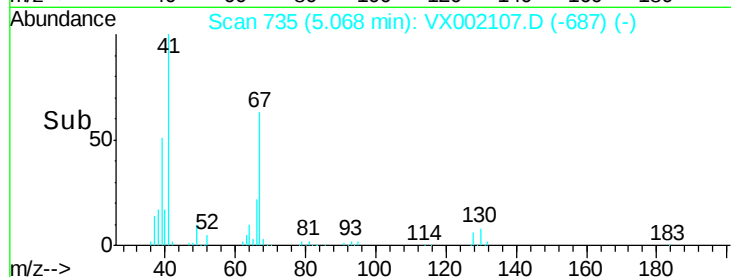
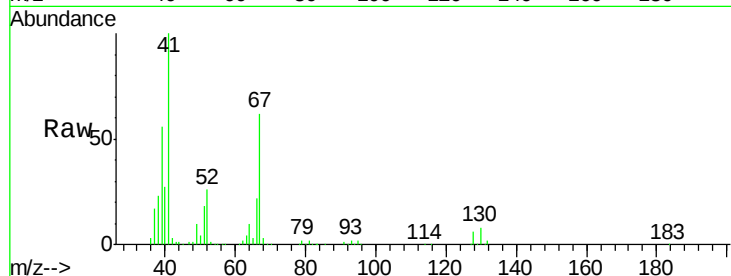
#41
Methacrylonitrile
Concen: 46.67 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		196000		
39	56.4	46.0	69.0		
67	63.2	50.6	75.8		
52	27.6	21.9	32.9		

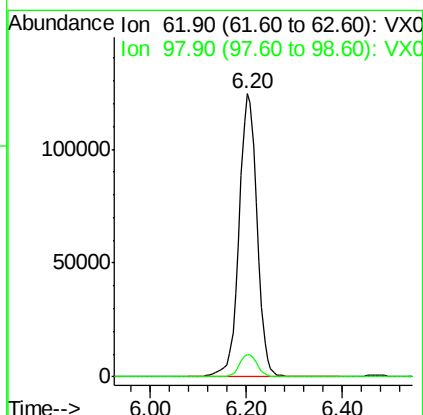
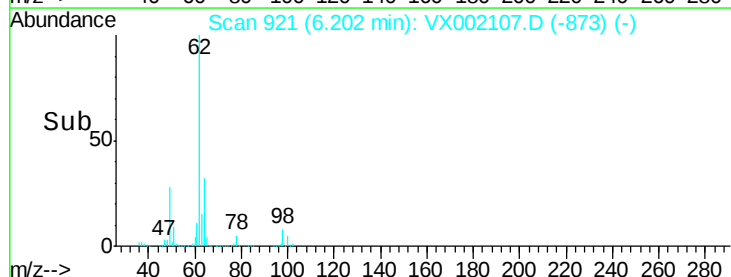
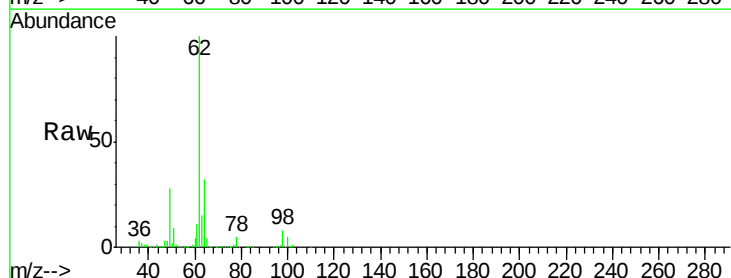
Manual Integrations
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5/30/2018 1:51:01 PM



#42
1,2-Dichloroethane
Concen: 45.41 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		323819		
98	8.0	0.0	17.0		





#43

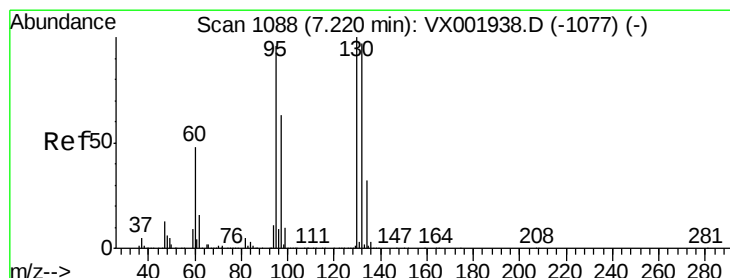
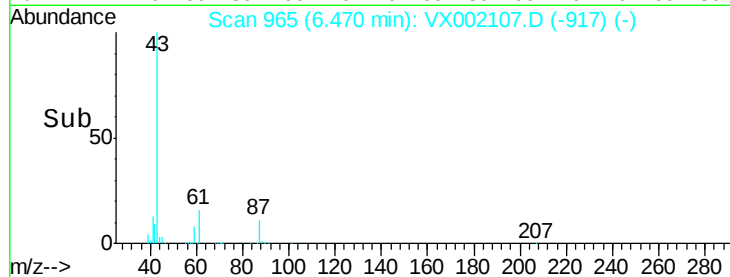
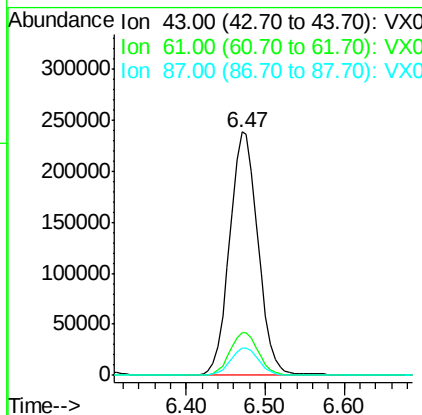
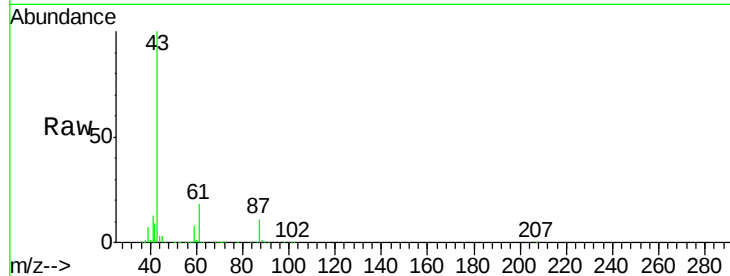
Isopropyl Acetate
 Concen: 44.95 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.5	21.7
87	11.4	9.5	14.3

Manual Integrations
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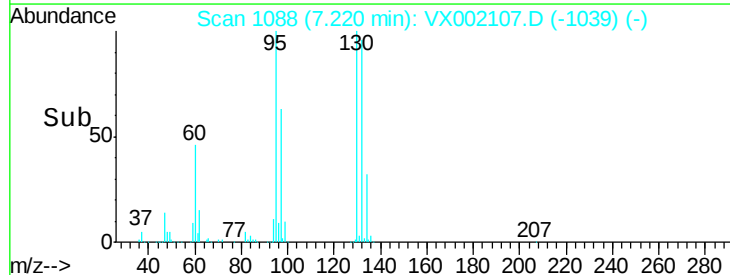
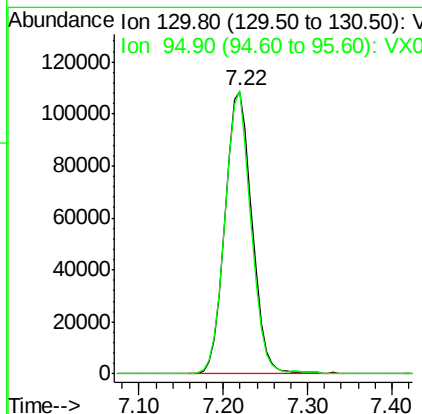
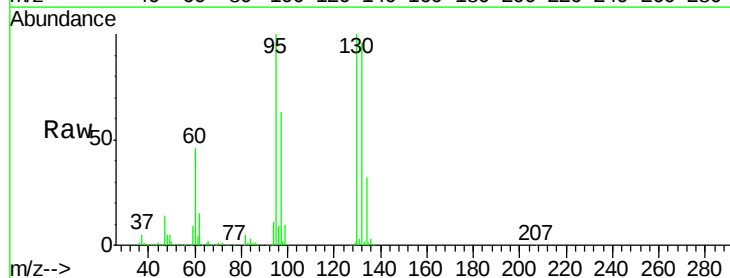
MMDadoda
 5/30/2018 1:51:01 PM



#44

Trichloroethene
 Concen: 45.74 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	192.0





#45

1,2-Dichloropropane

Concen: 46.27 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 224297

Ion Ratio Lower Upper

63 100

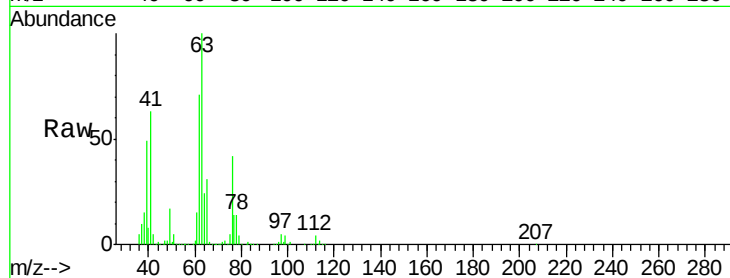
65 31.0 24.1 36.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

120000

100000

80000

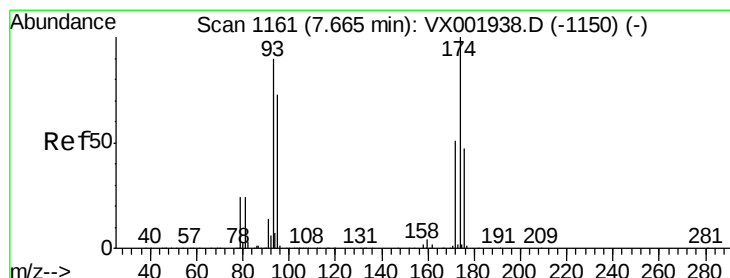
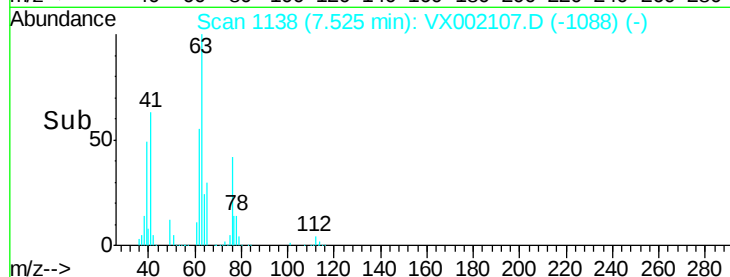
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 45.67 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

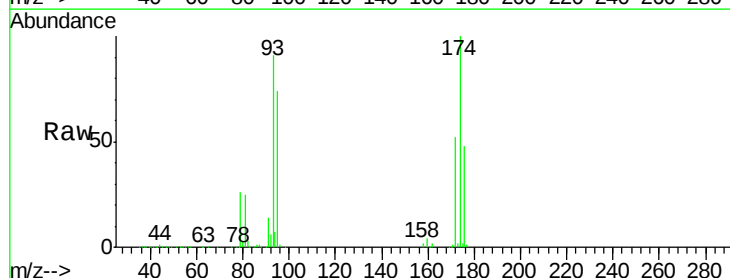
Tgt Ion: 93 Resp: 146581

Ion Ratio Lower Upper

93 100

95 82.2 66.1 99.1

174 115.4 92.5 138.7



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

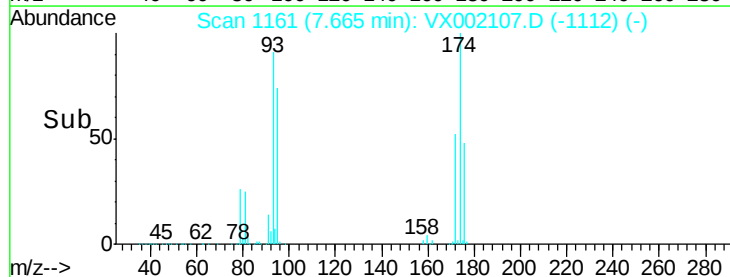
60000

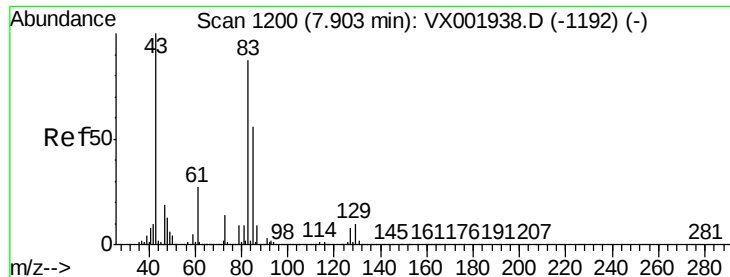
40000

20000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 42.27 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

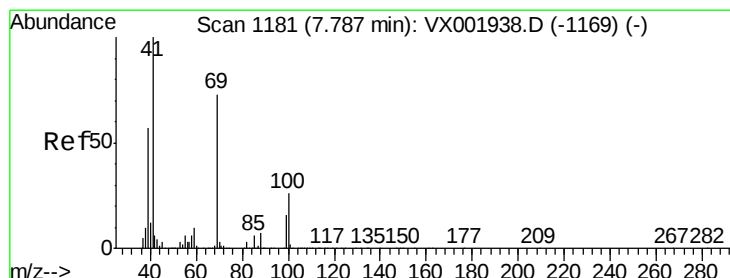
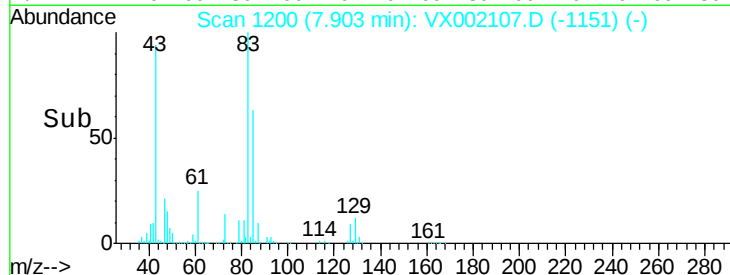
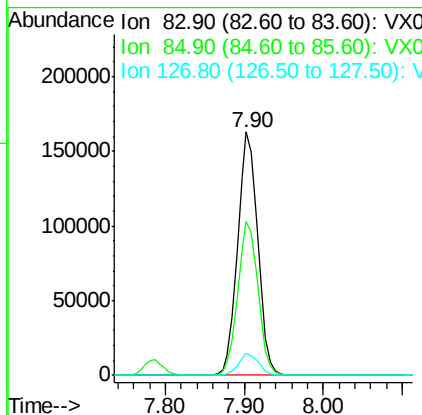
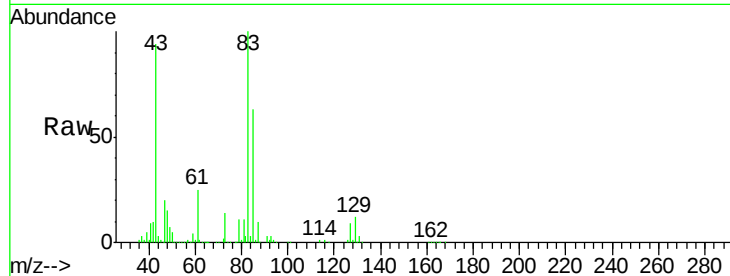
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	289261
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.4	77.2
127	9.3	7.1	10.7

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#48

Methyl methacrylate

Concen: 44.76 ug/l

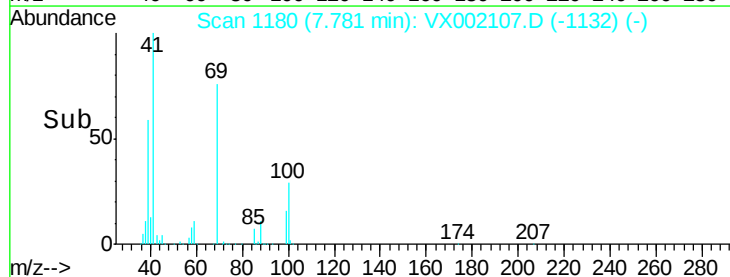
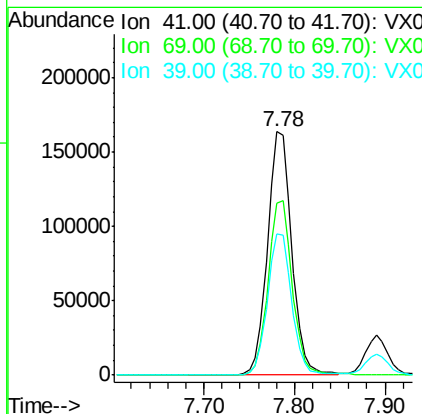
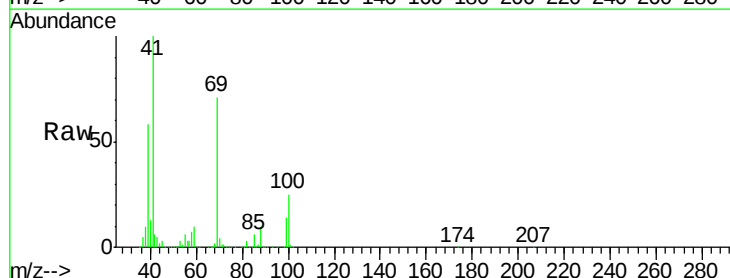
RT: 7.78 min Scan# 1180

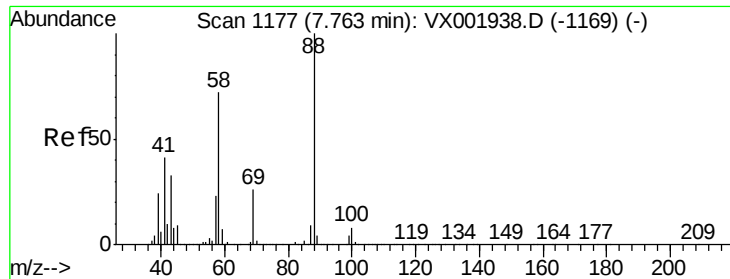
Delta R.T. -0.01 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Tgt Ion:	41	Resp:	301549
Ion Ratio	Lower	Upper	
41	100		
69	72.2	58.6	87.8
39	58.4	46.3	69.5





#49

1,4-Dioxane

Concen: 828.02 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

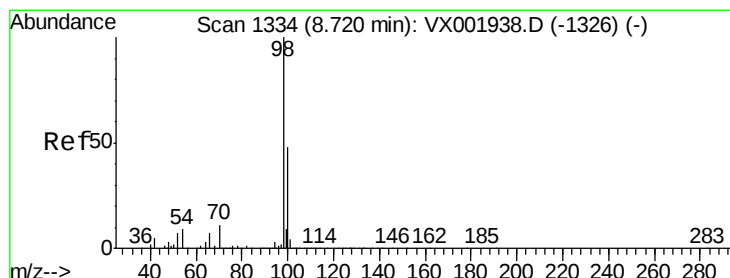
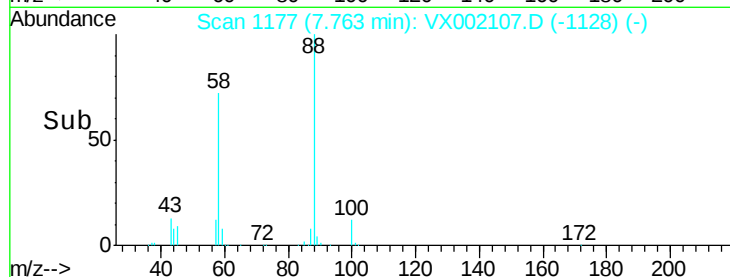
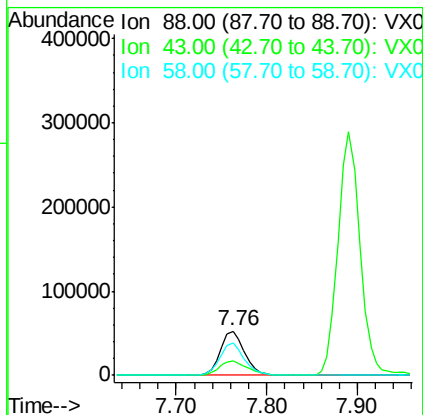
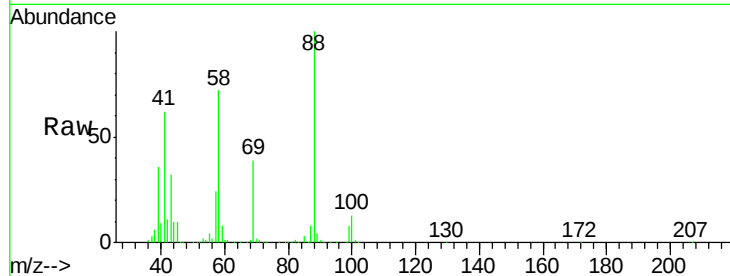
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	98293
Ion Ratio	Lower	Upper	
88	100		
43	37.5	29.8	44.8
58	73.1	58.7	88.1

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#50

Toluene-d8

Concen: 41.02 ug/l

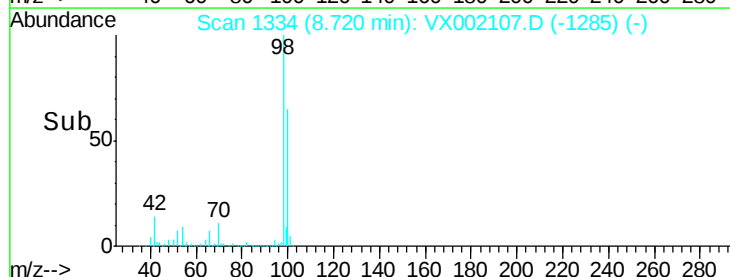
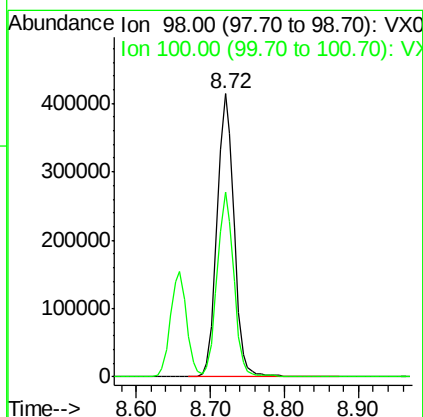
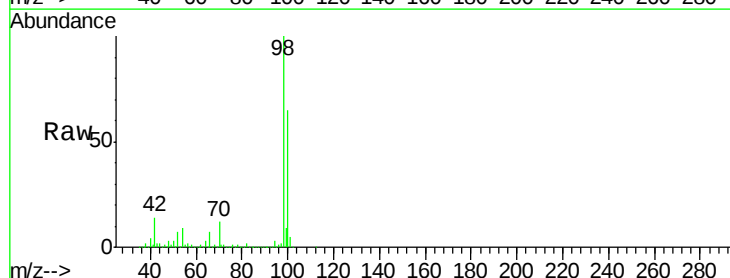
RT: 8.72 min Scan# 1334

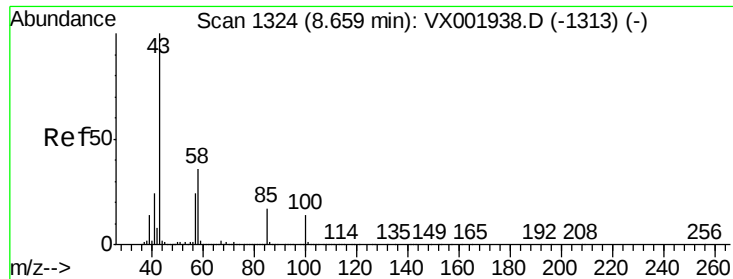
Delta R.T. 0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Tgt Ion:	98	Resp:	650611
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.5	77.3





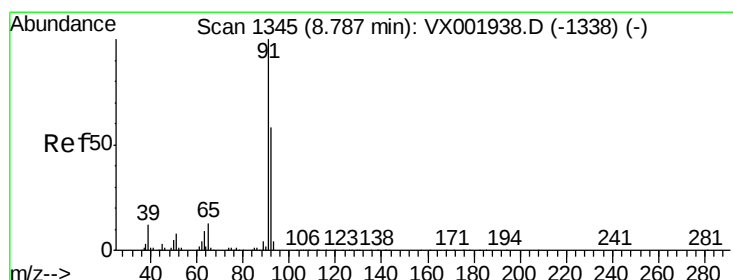
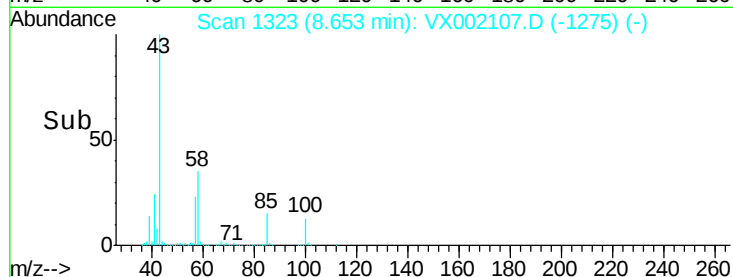
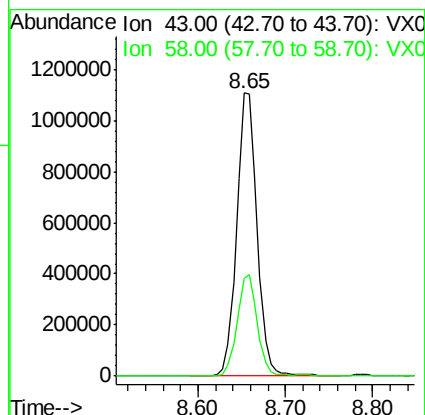
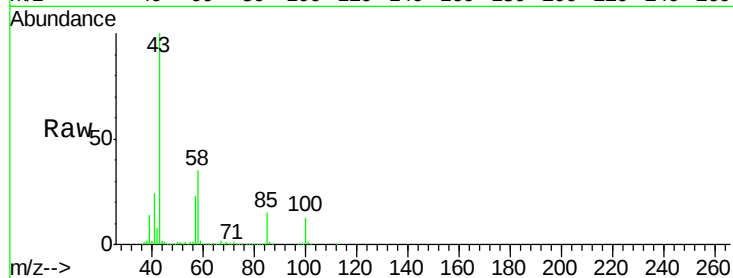
#51
 4-Methyl-2-Pentanone
 Concen: 227.07 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1811708
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.5 42.7

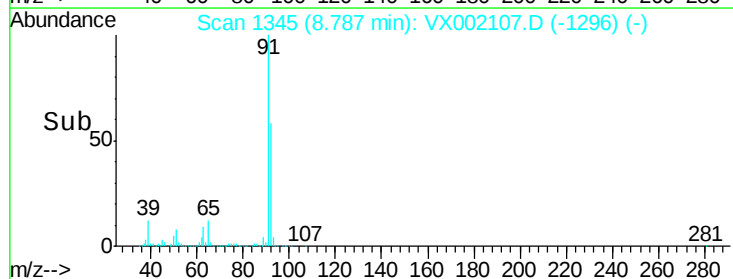
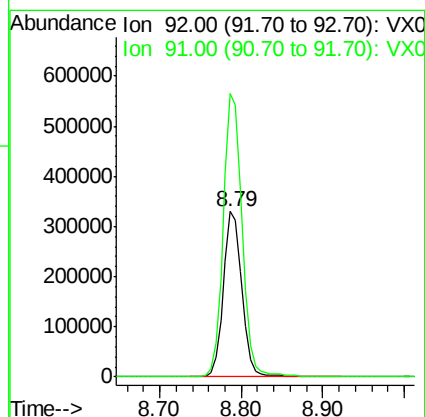
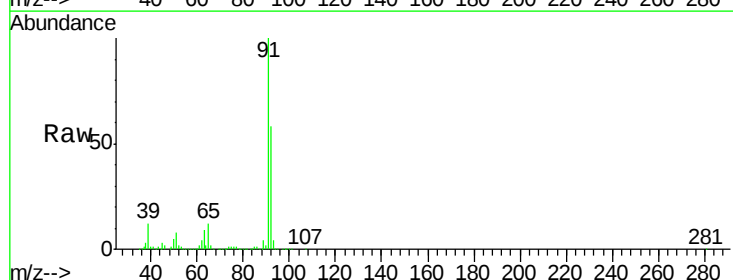
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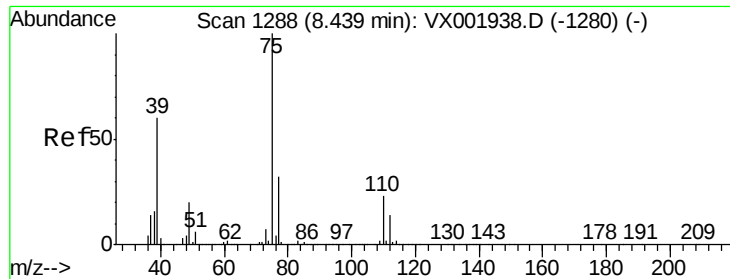
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#52
 Toluene
 Concen: 45.75 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Tgt Ion: 92 Resp: 519763
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.4 209.2





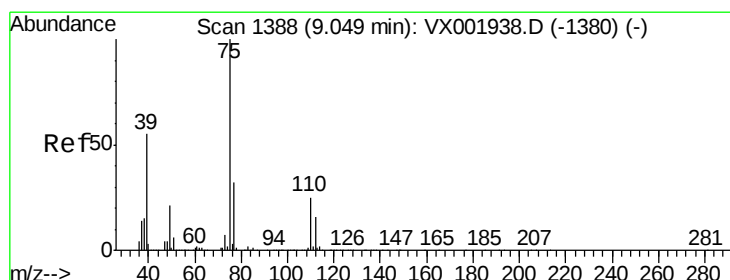
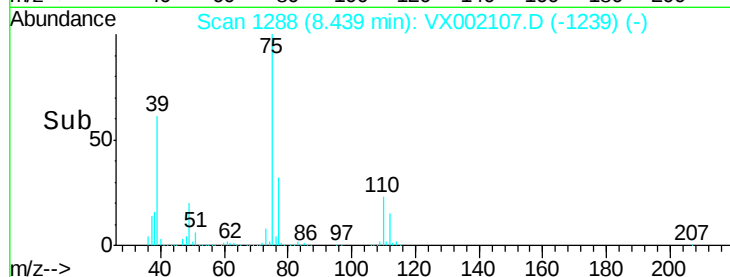
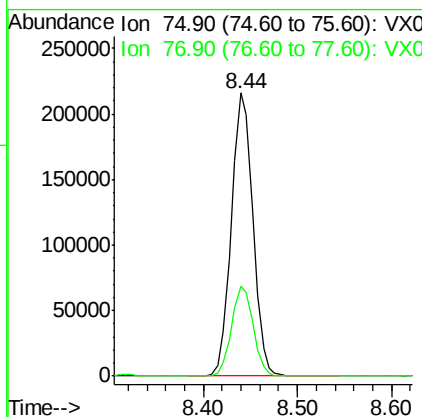
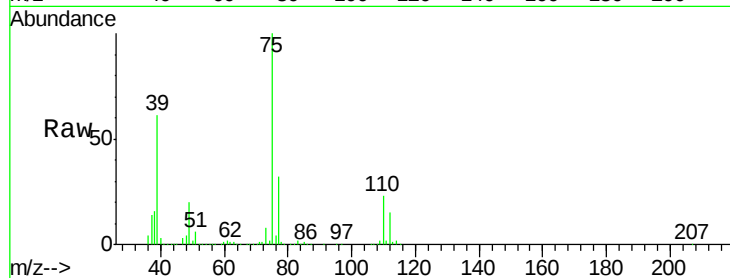
#53
t-1,3-Dichloropropene
Concen: 43.48 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3

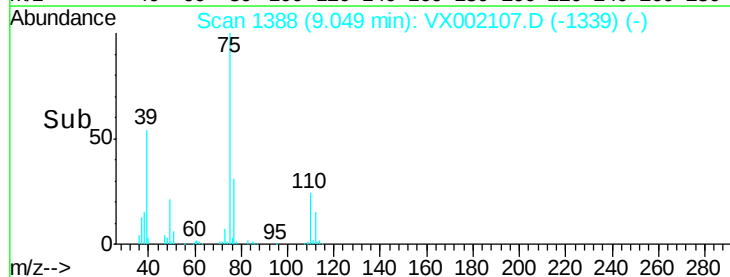
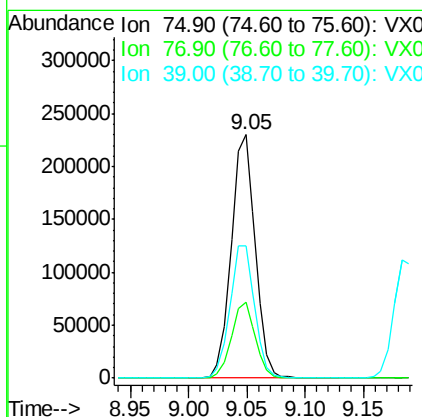
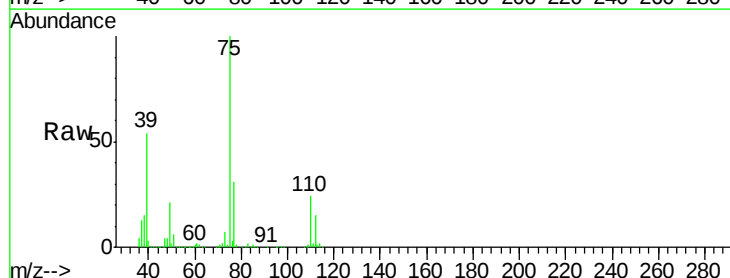
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5/30/2018 1:51:01 PM



#54
cis-1,3-Dichloropropene
Concen: 42.83 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	54.1	44.1	66.1





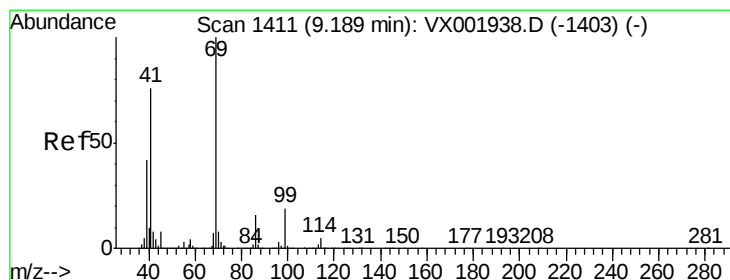
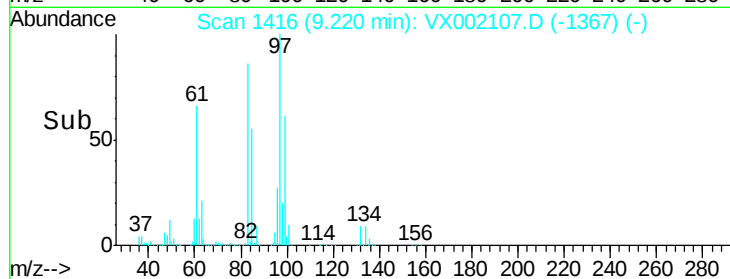
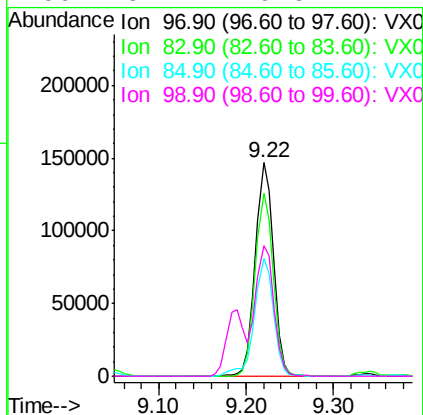
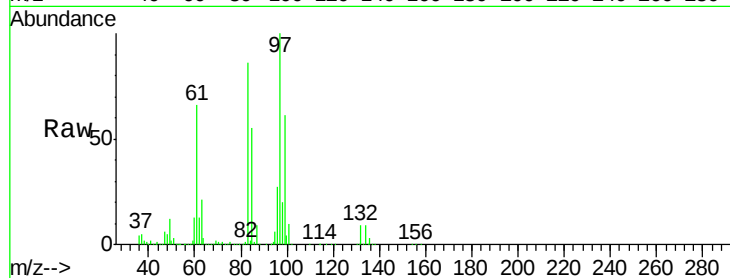
#55
 1,1,2-Trichloroethane
 Concen: 44.73 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		212275		
83	85.8	69.1	103.7		
85	55.2	45.2	67.8		
99	61.1	49.6	74.4		

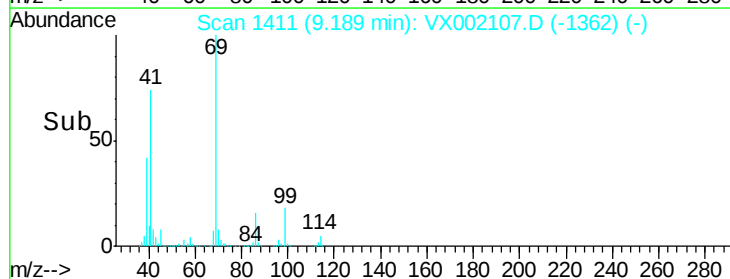
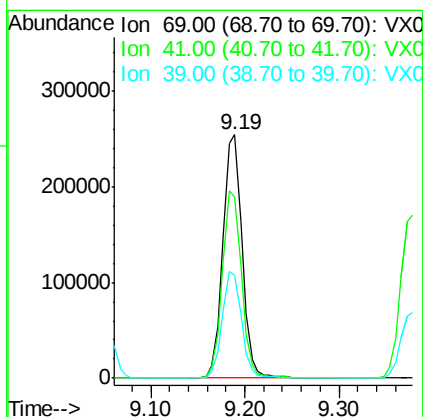
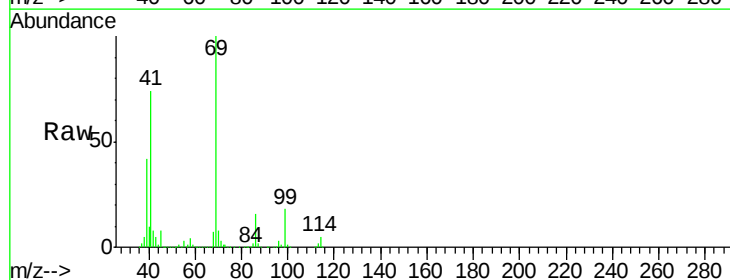
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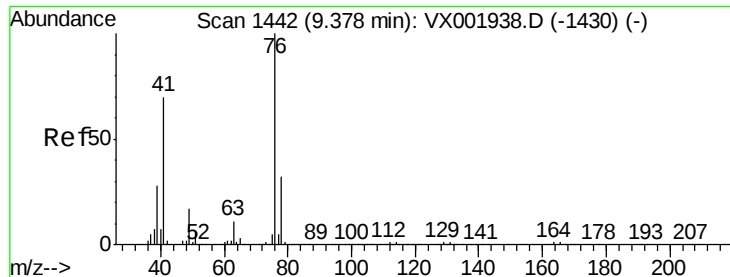
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#56
 Ethyl methacrylate
 Concen: 44.20 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		360836		
41	76.4	61.0	91.6		
39	43.9	34.4	51.6		





#57

1,3-Dichloropropane

Concen: 45.74 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 357595

Ion Ratio Lower Upper

76 100

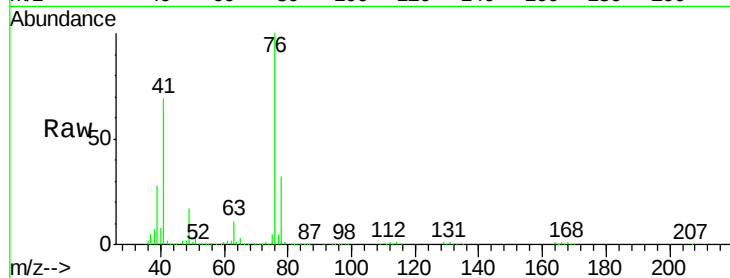
78 32.0 25.6 38.4

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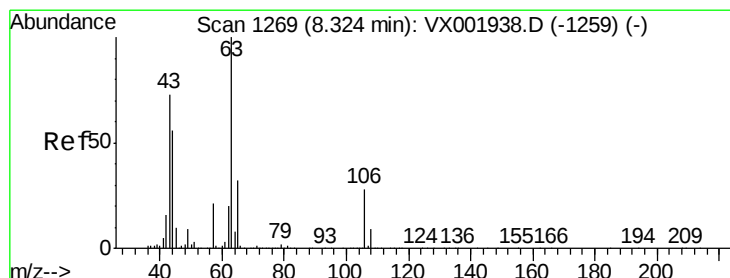
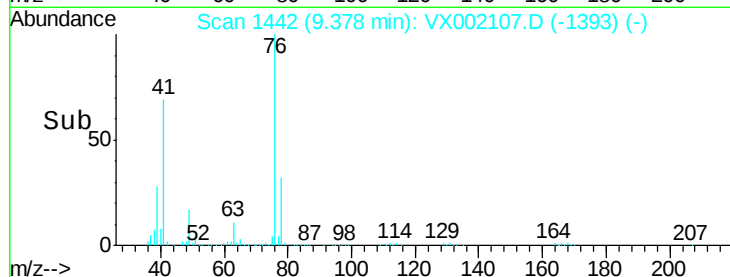
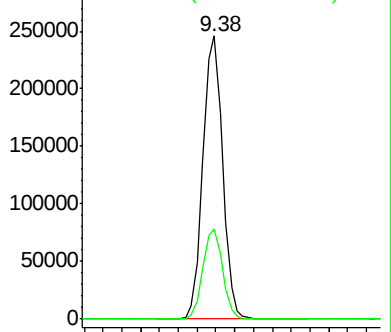
MMDadoda

5/30/2018 1:51:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 222.05 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002107.D

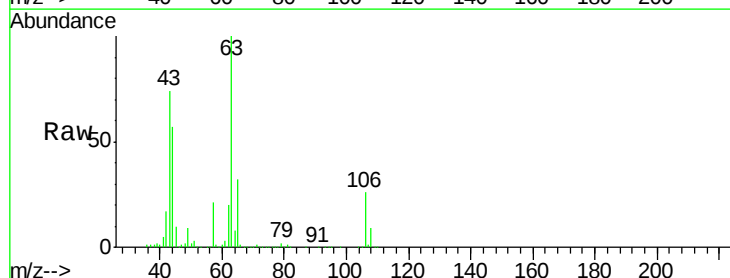
Acq: 29 May 2018 21:33

Tgt Ion: 63 Resp: 803385

Ion Ratio Lower Upper

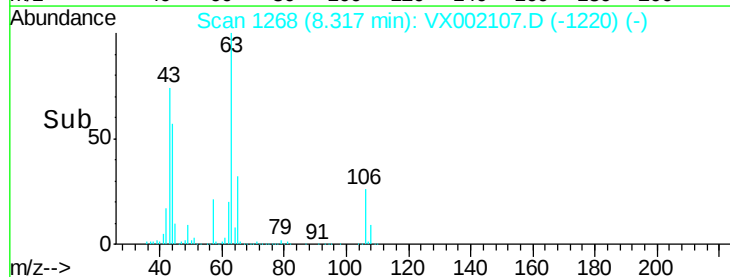
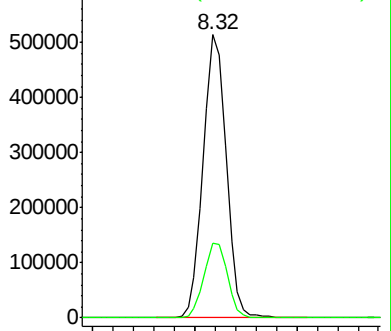
63 100

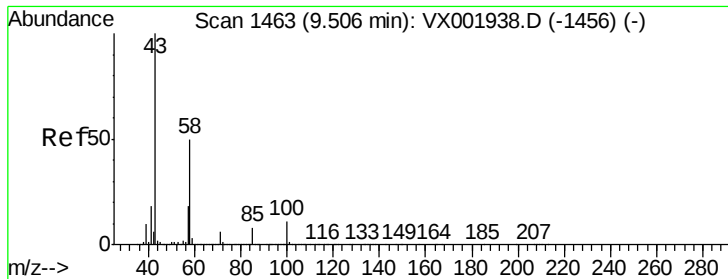
106 27.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





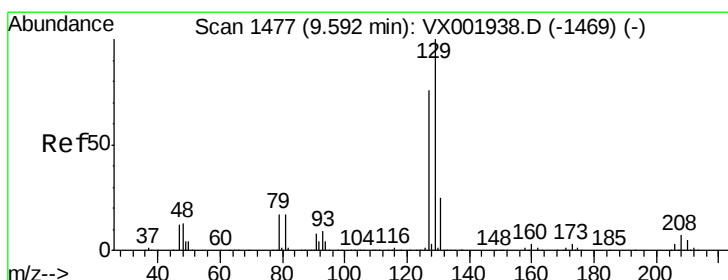
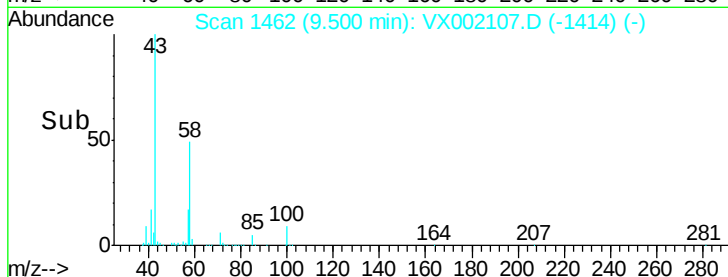
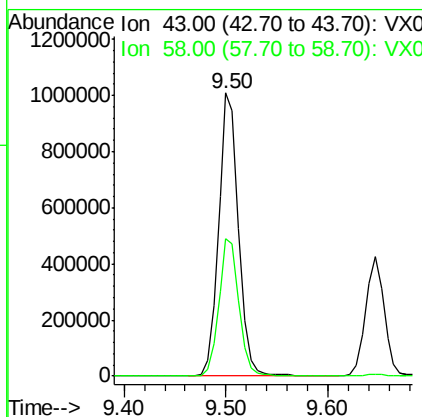
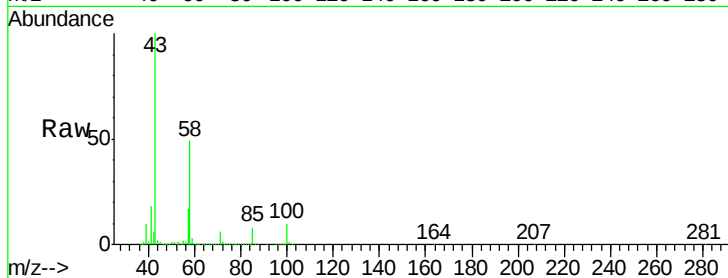
#59
2-Hexanone
Concen: 223.26 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1373501
Ion Ratio Lower Upper
43 100
58 49.3 24.9 74.6

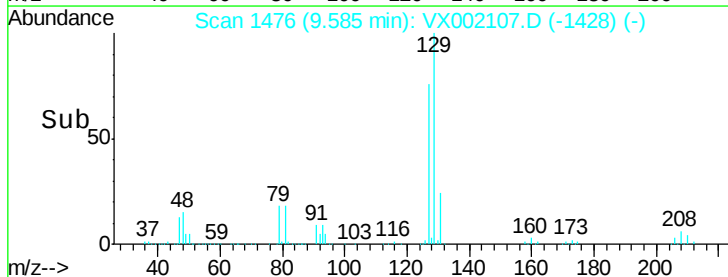
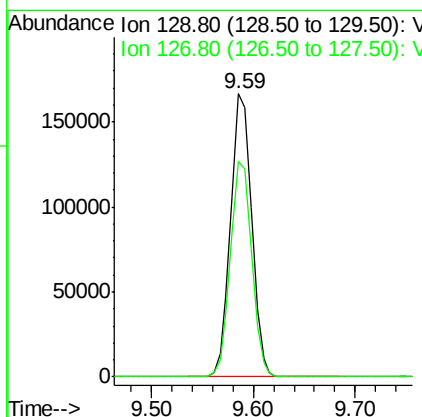
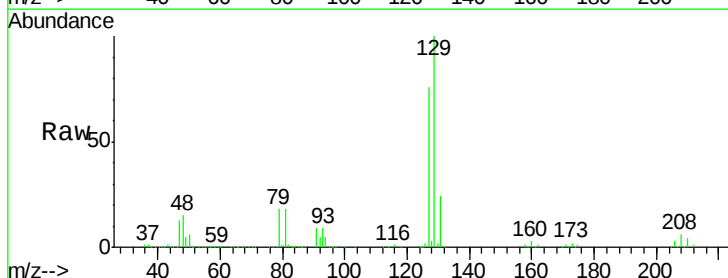
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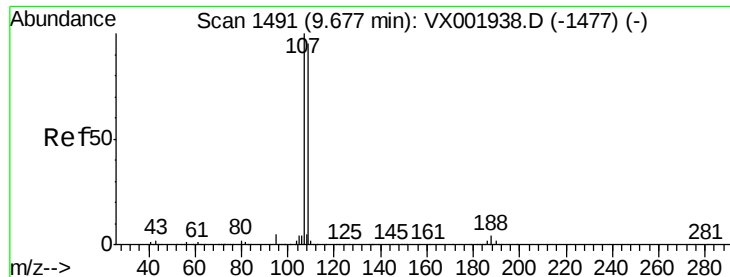
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5/30/2018 1:51:01 PM



#60
Dibromochloromethane
Concen: 42.22 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion: 129 Resp: 237308
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





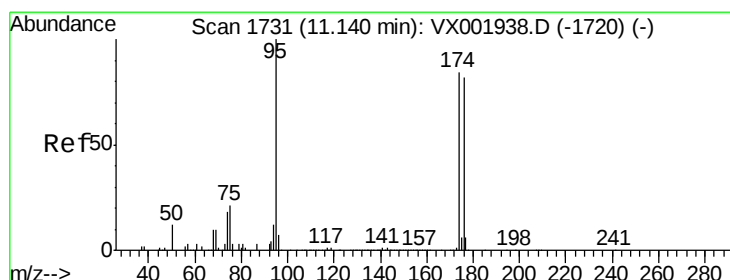
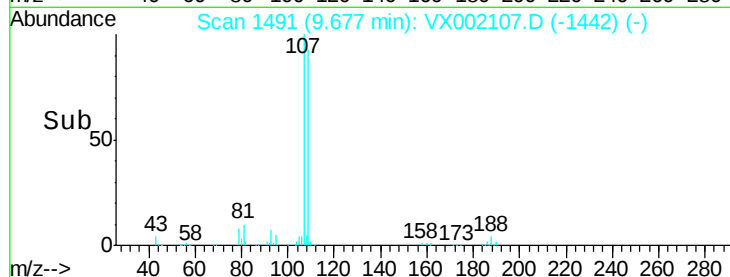
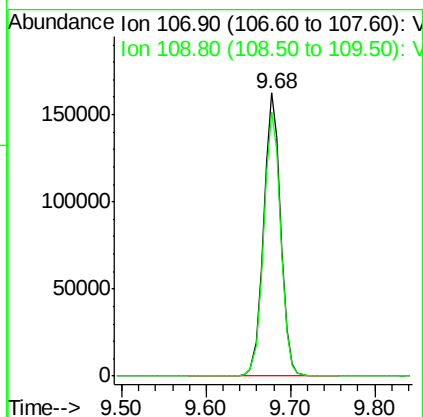
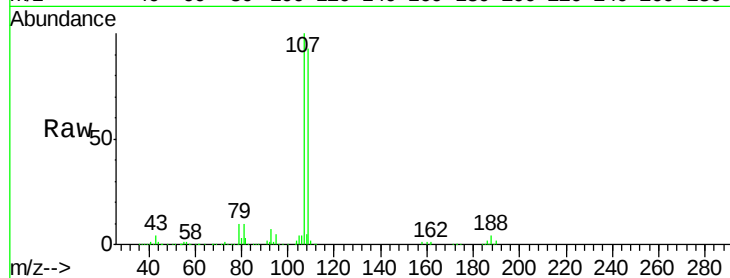
#61
 1,2-Dibromoethane
 Concen: 45.32 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	225691		
109	94.3	75.3	112.9	

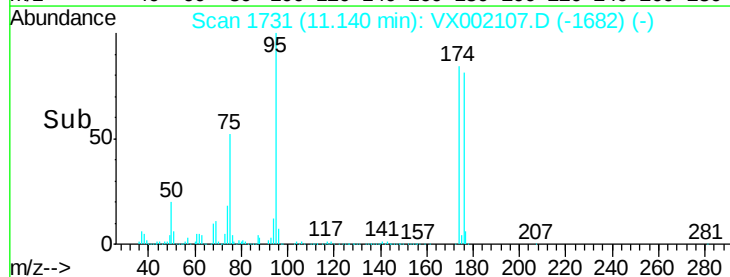
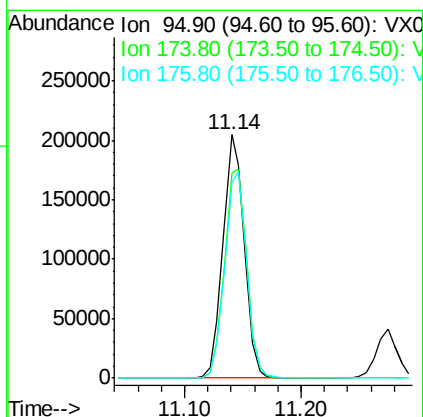
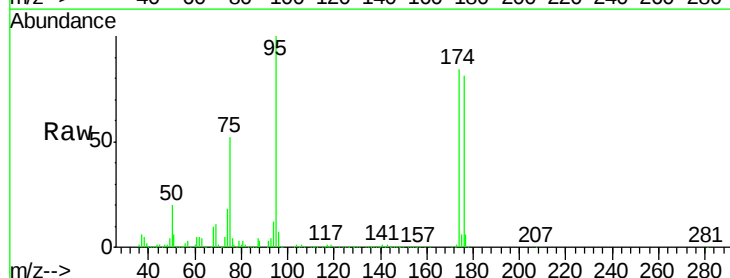
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#62
 4-Bromofluorobenzene
 Concen: 41.61 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	258156		
174	90.1	0.0	178.8	
176	87.5	0.0	175.6	





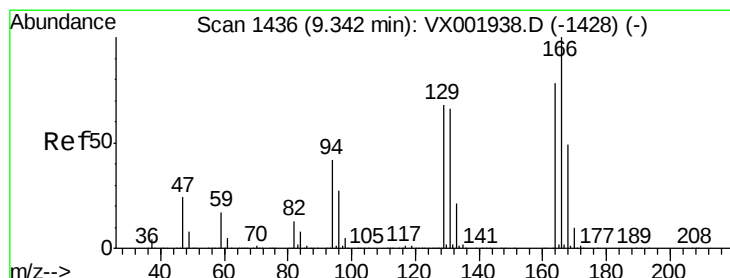
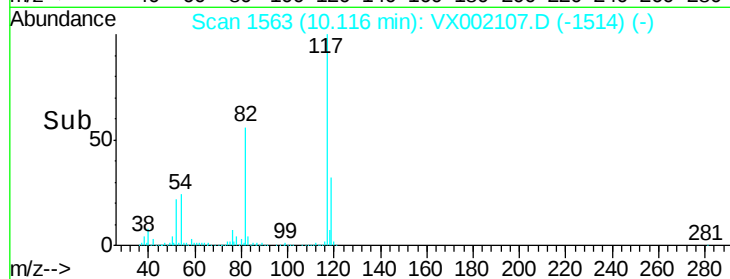
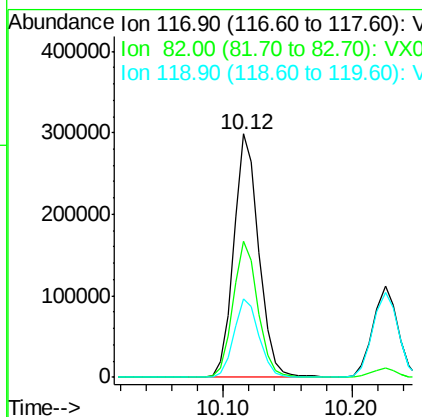
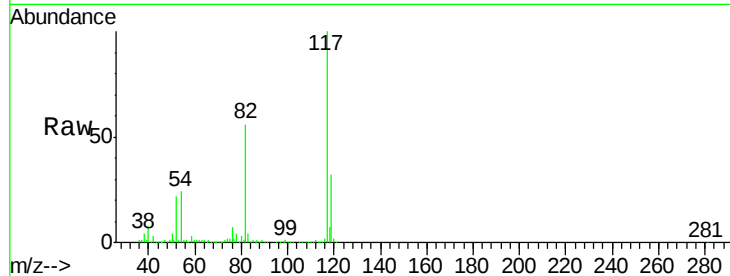
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.8	67.2
119	32.2	25.5	38.3

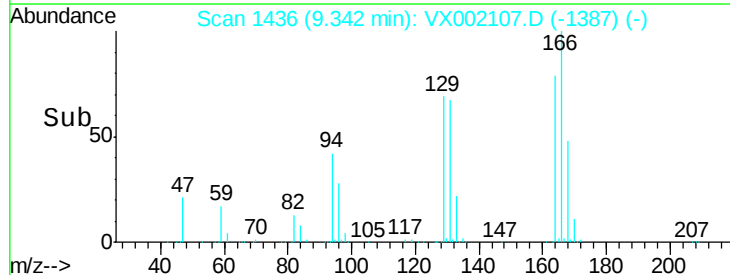
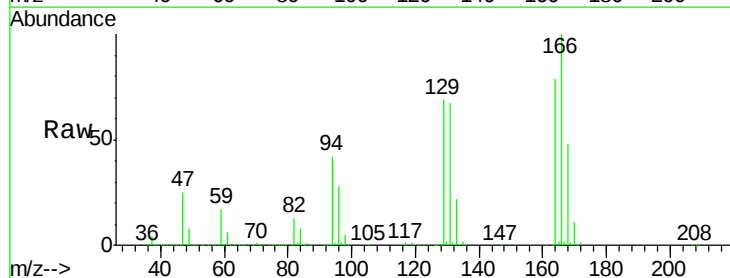
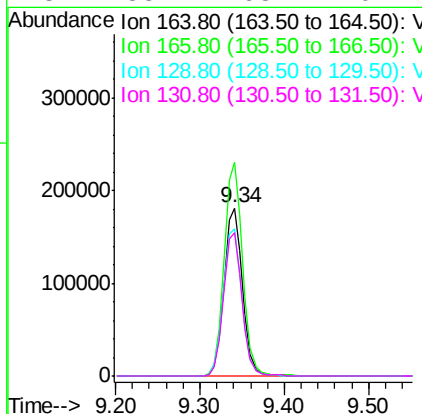
Manual Integrations
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#64
Tetrachloroethene
Concen: 47.29 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.7	154.1
129	87.4	70.3	105.5
131	85.2	68.2	102.4





#65

Chlorobenzene

Concen: 45.68 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 584175

Ion Ratio Lower Upper

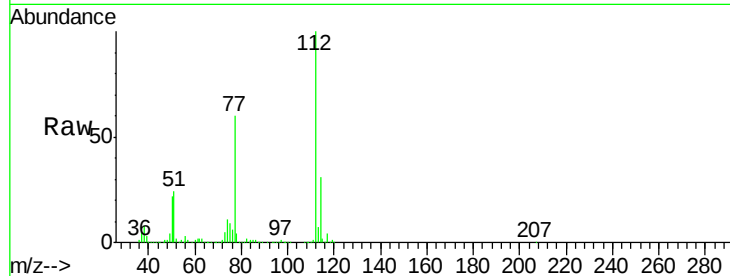
112 100

114 31.4 25.9 38.9

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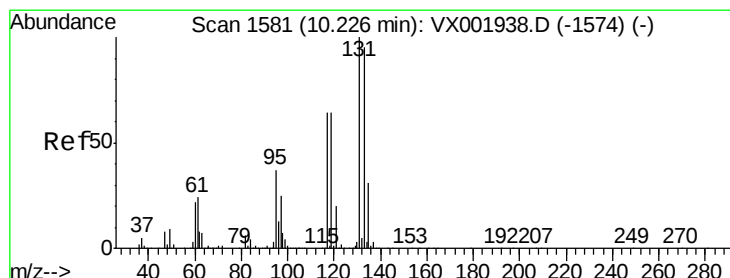
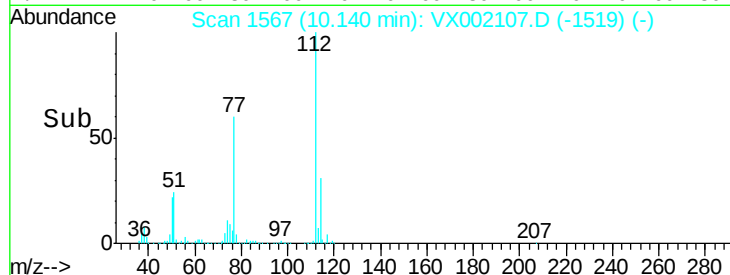
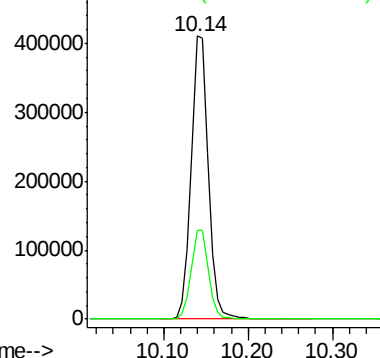
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 43.63 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

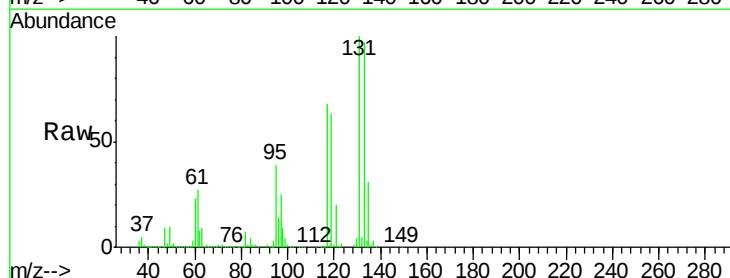
Tgt Ion:131 Resp: 225291

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

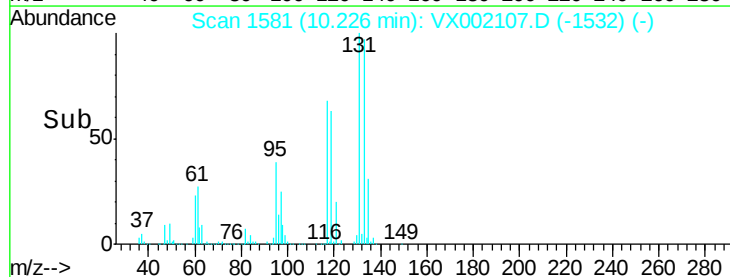
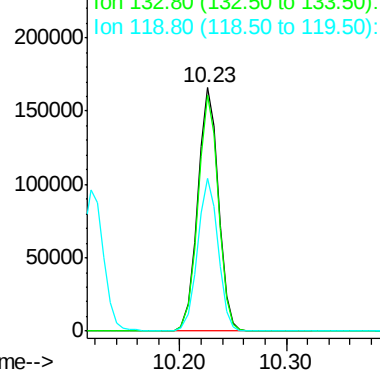
119 62.5 31.9 95.5

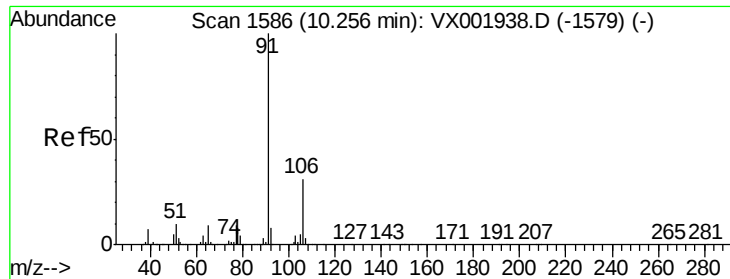


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





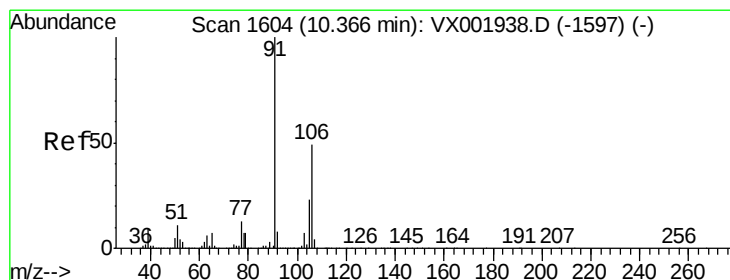
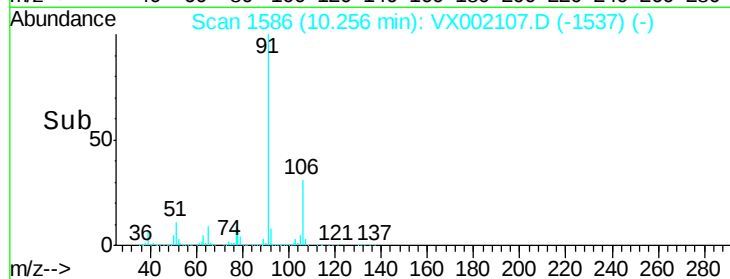
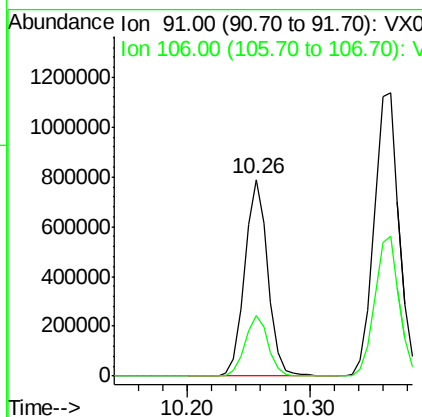
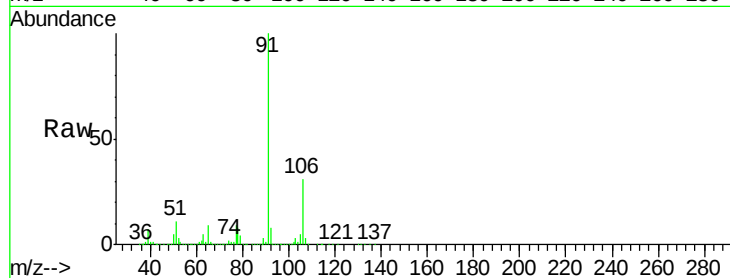
#67
Ethyl Benzene
Concen: 46.27 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1027951
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6

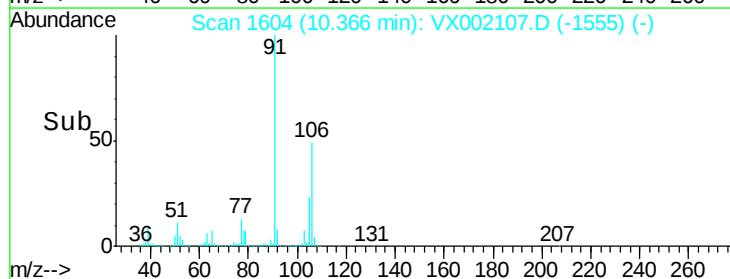
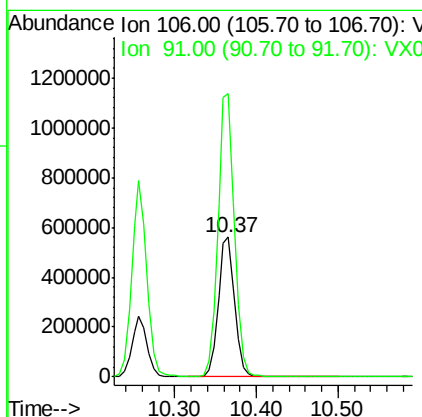
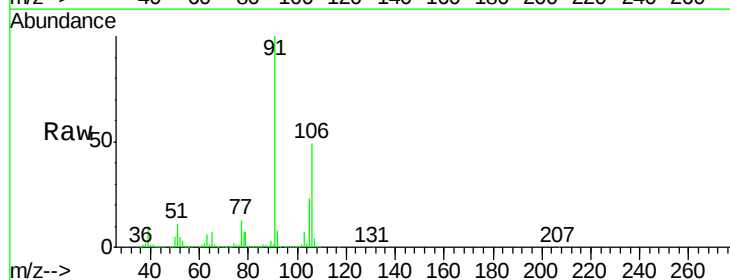
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#68
m/p-Xylenes
Concen: 92.64 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion: 106 Resp: 786808
Ion Ratio Lower Upper
106 100
91 205.1 165.0 247.6





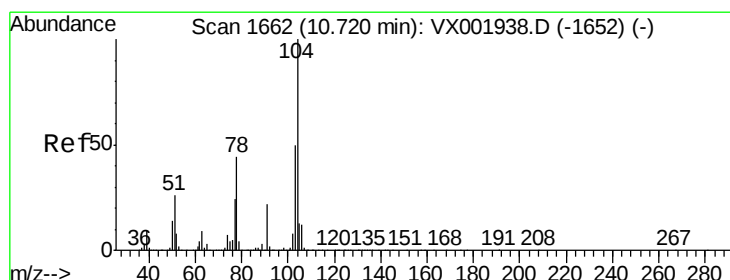
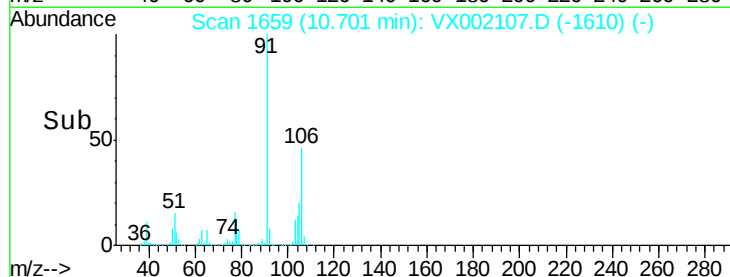
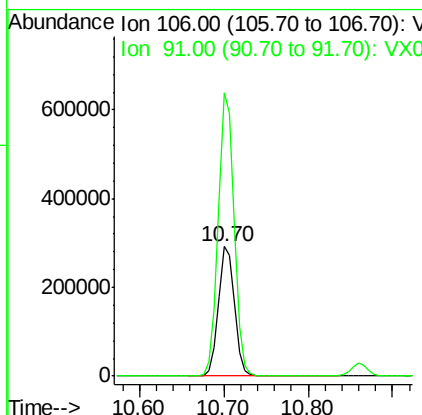
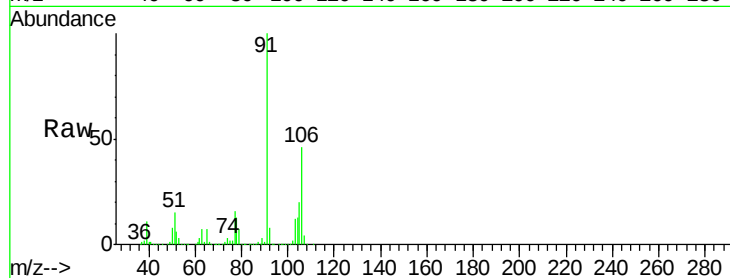
#69
o-Xylene
Concen: 45.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		388389		
91	217.4	108.7	325.9		

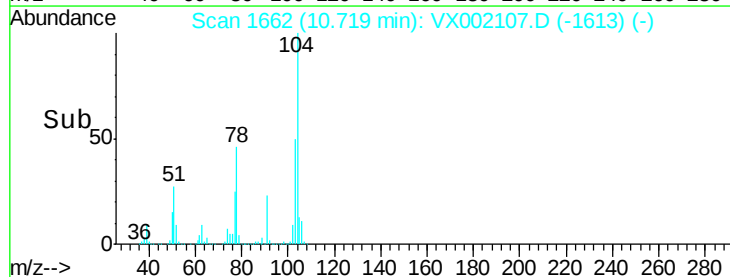
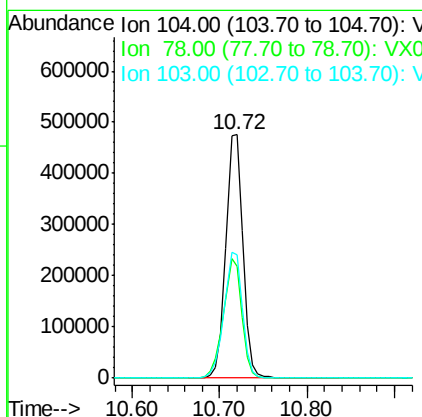
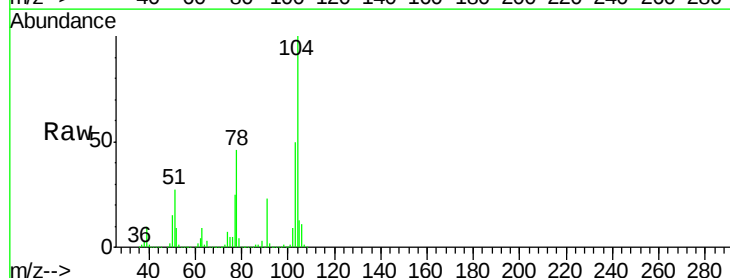
Manual Integrations
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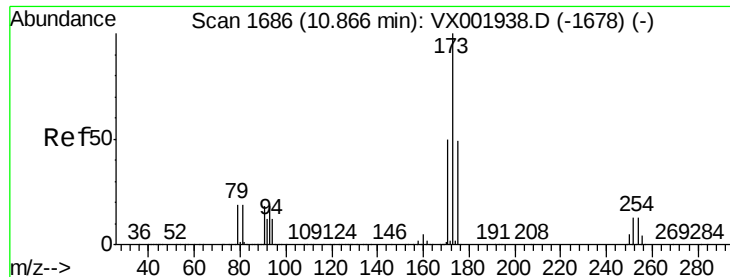
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#70
Styrene
Concen: 45.56 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		640730		
78	52.9	41.8	62.6		
103	55.8	44.6	67.0		





#71

Bromoform

Concen: 39.56 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

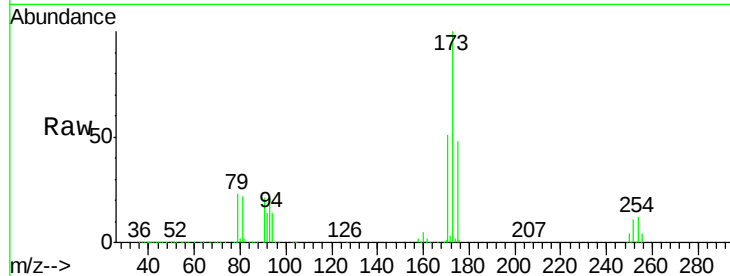
ClientSampleId :

VSTDCCC050EC

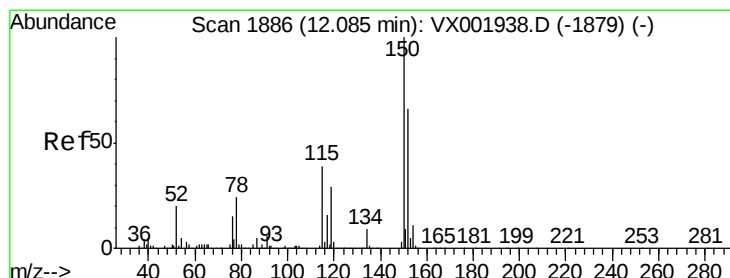
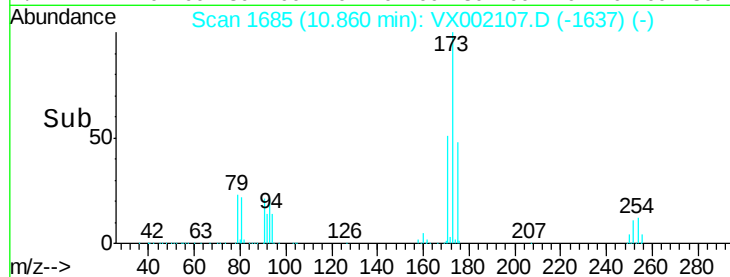
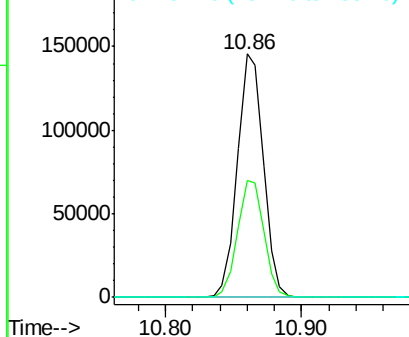
Tot Ion:	173	Resp:	193707
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.9
254	0.2	0.1	0.1#

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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

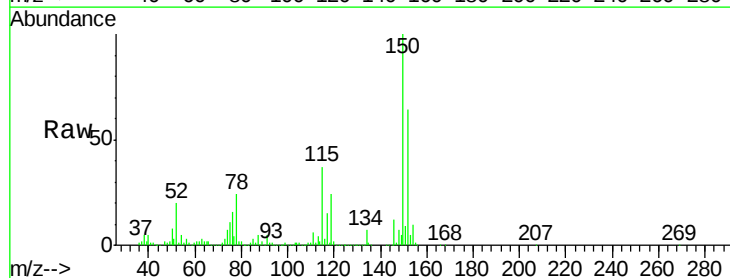
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

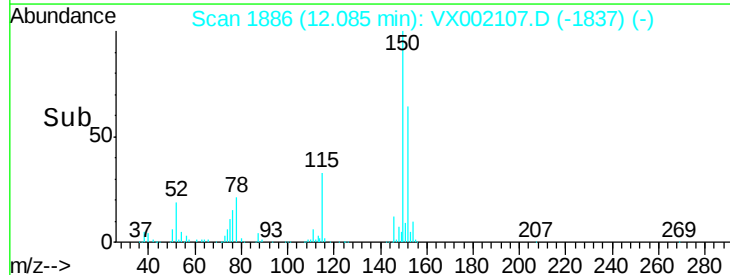
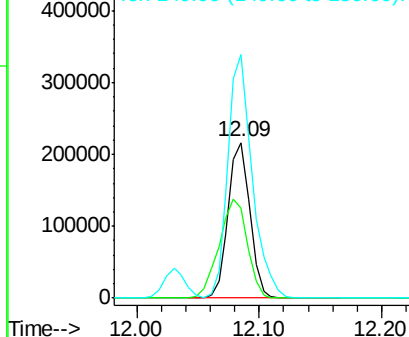
Lab File: VX002107.D

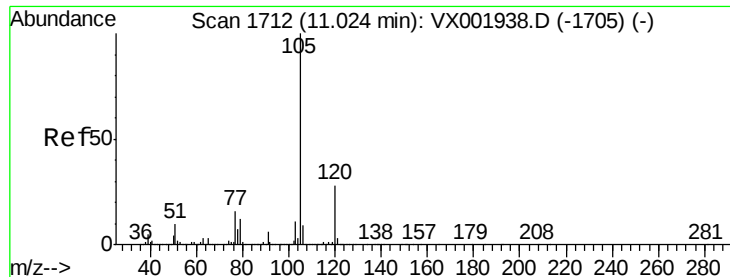
Acq: 29 May 2018 21:33

Tgt Ion:	152	Resp:	264716
Ion Ratio	Lower	Upper	
152	100		
115	82.6	42.3	126.8
150	175.5	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: 45.95 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1030021

Ion Ratio Lower Upper

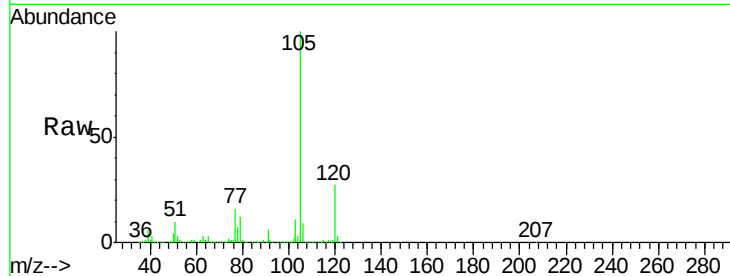
105 100

120 27.0 13.6 40.7

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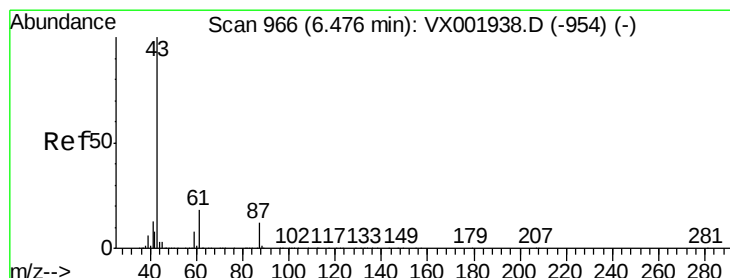
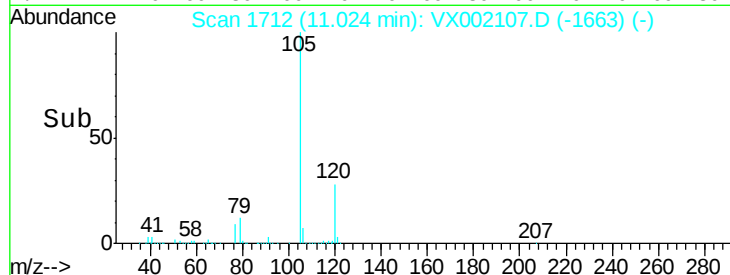
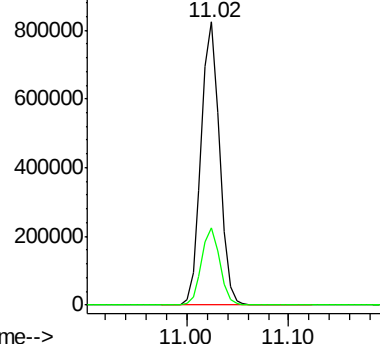
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.23 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Tgt Ion: 43 Resp: 594883

Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

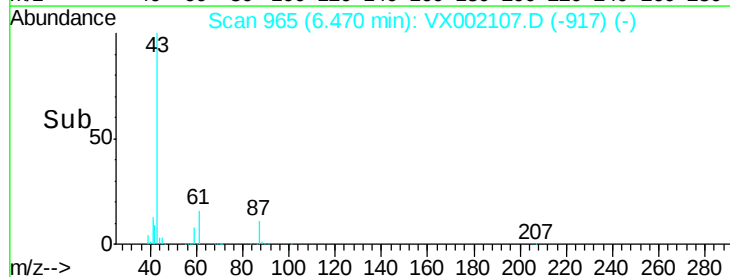
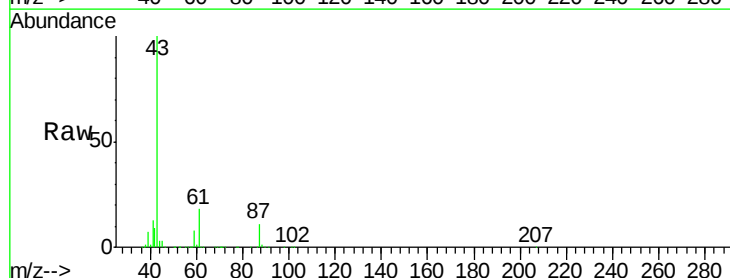
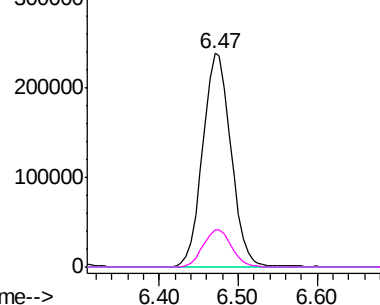
61 17.8 14.5 21.7

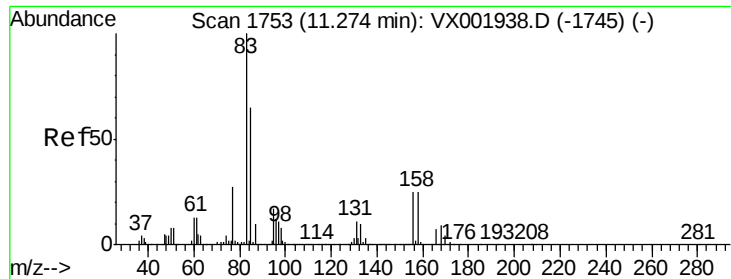
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.17 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 301566

Ion Ratio Lower Upper

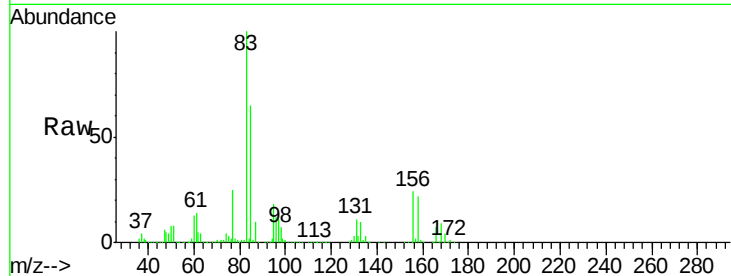
83 100

131 10.8 5.7 17.0

85 64.2 32.6 97.7

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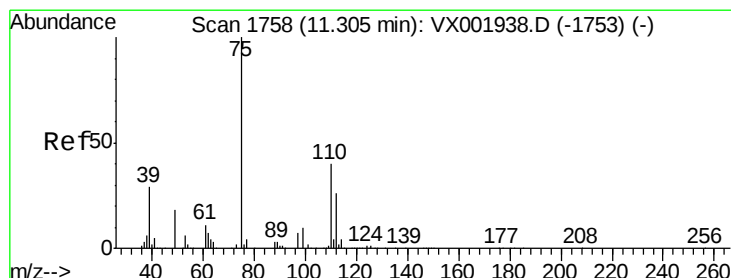
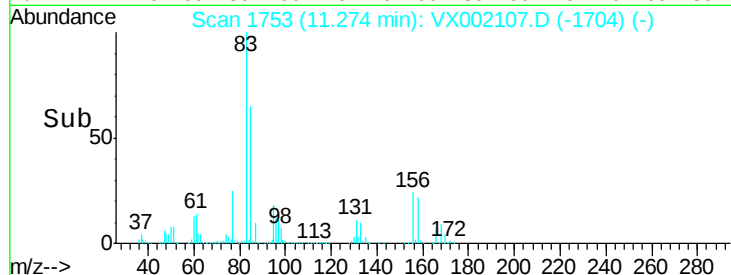
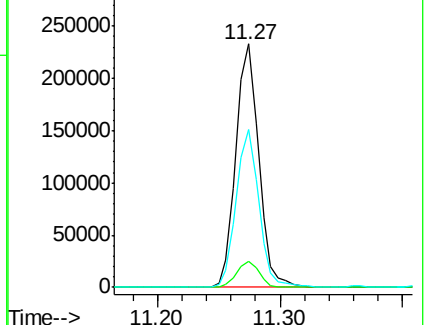
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.59 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002107.D

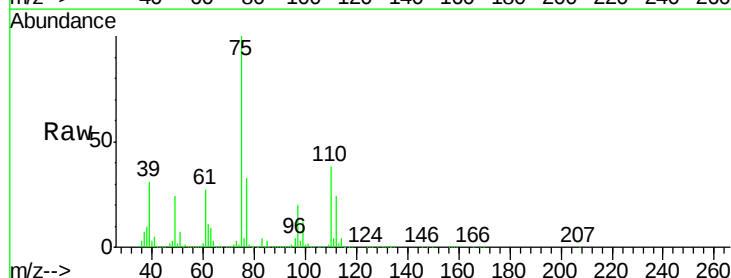
Acq: 29 May 2018 21:33

Tgt Ion: 75 Resp: 328016

Ion Ratio Lower Upper

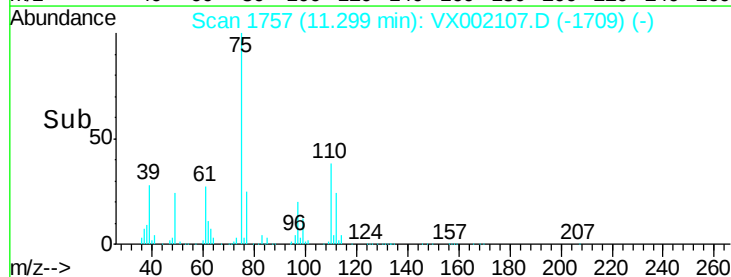
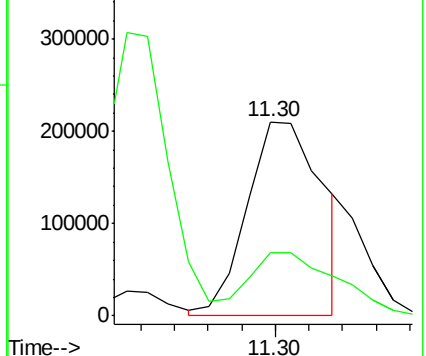
75 100

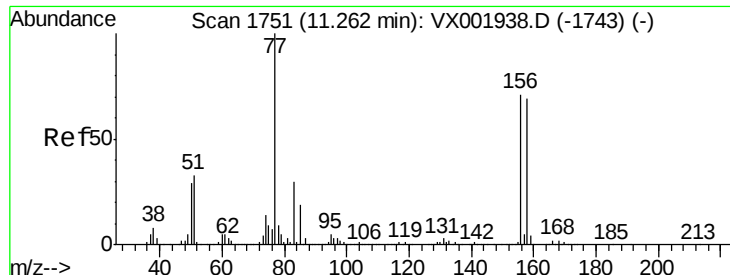
77 39.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





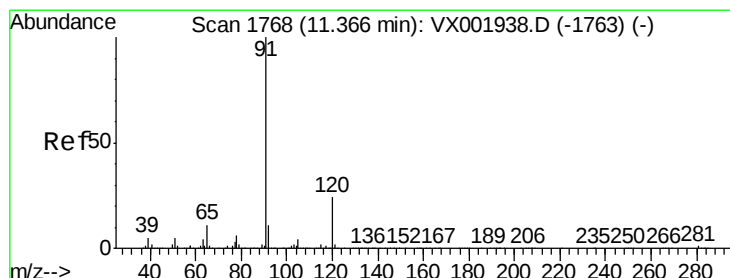
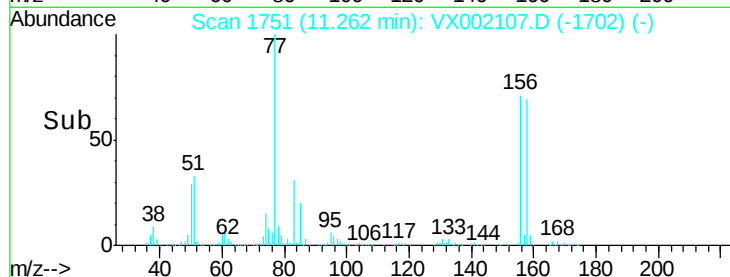
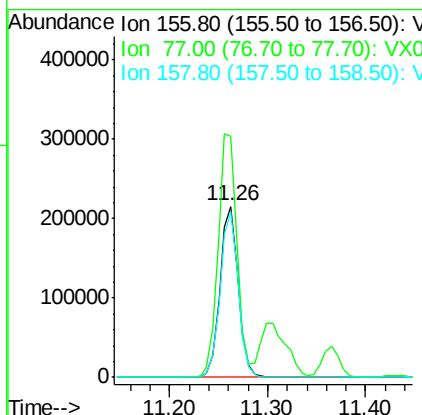
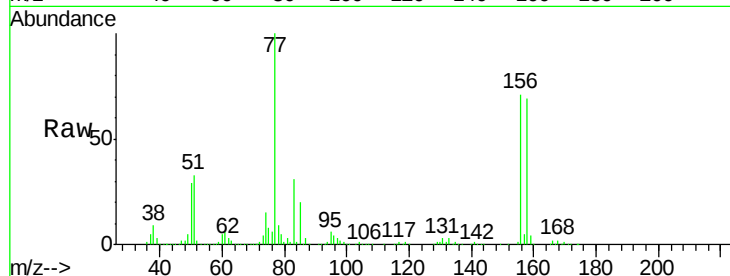
#77
Bromobenzene
Concen: 46.35 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.4	75.2	225.6
158	96.3	48.6	145.8

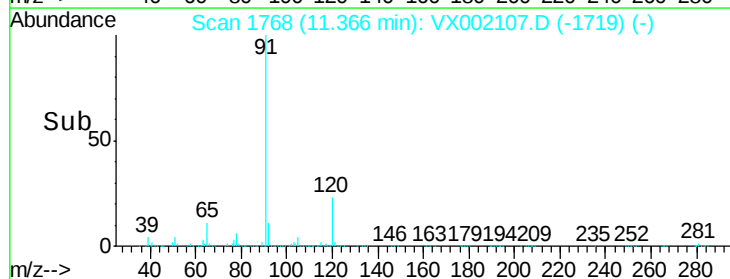
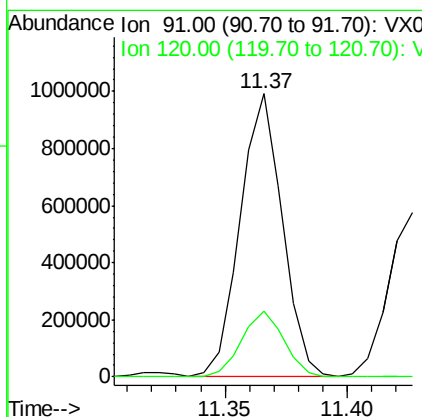
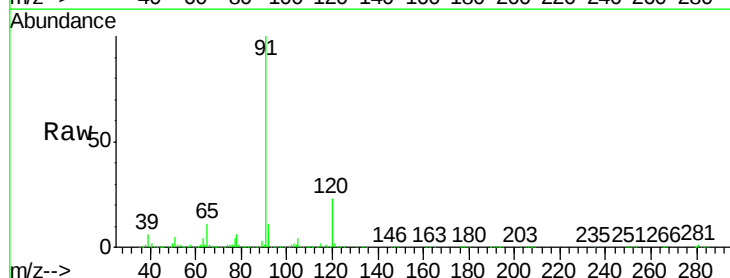
Manual Integrations
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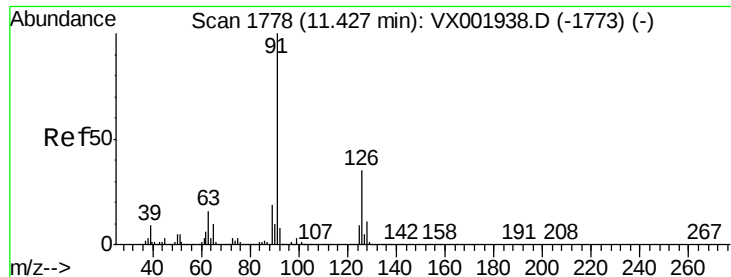
MMDadoda
5/30/2018 1:51:01 PM



#78
n-propylbenzene
Concen: 46.80 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.7





#79

2-Chlorotoluene

Concen: 51.14 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 703608

Ion Ratio Lower Upper

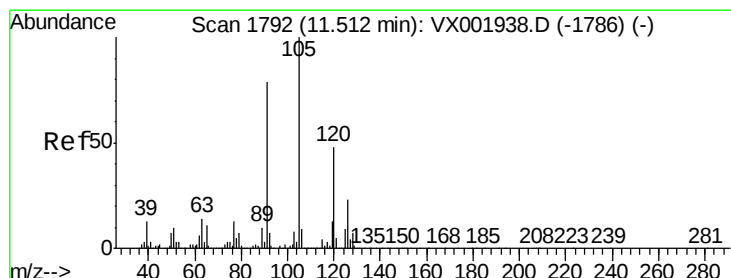
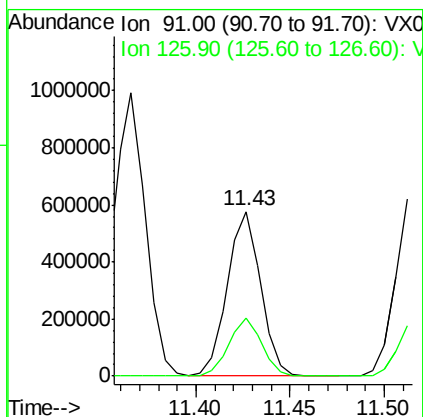
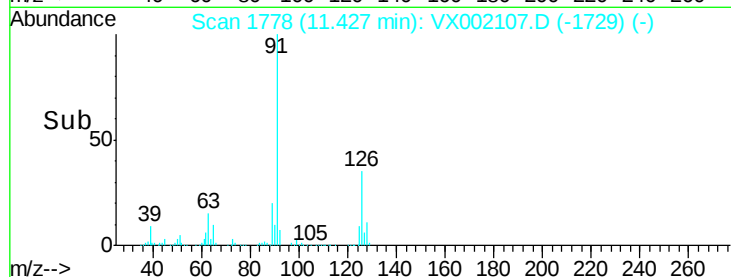
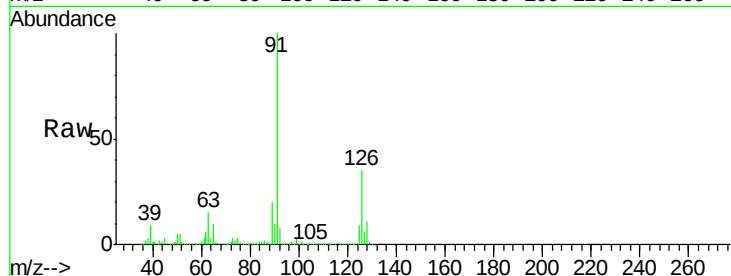
91 100

126 34.8 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 45.95 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002107.D

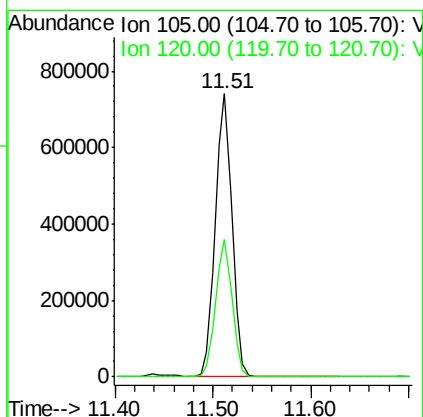
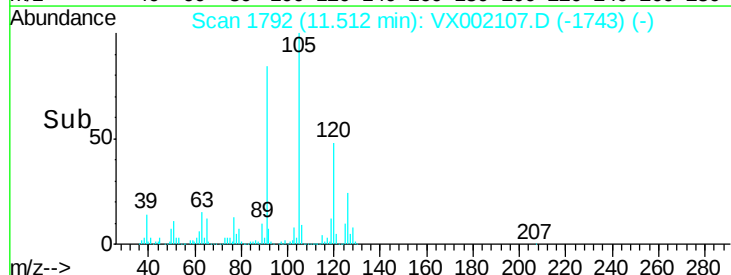
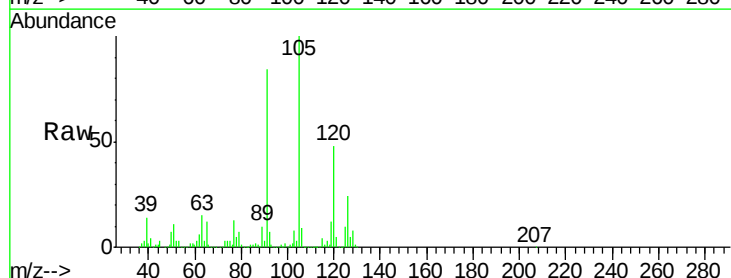
Acq: 29 May 2018 21:33

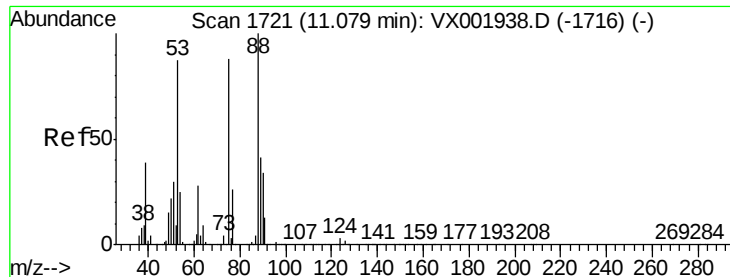
Tgt Ion: 105 Resp: 880352

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 37.64 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

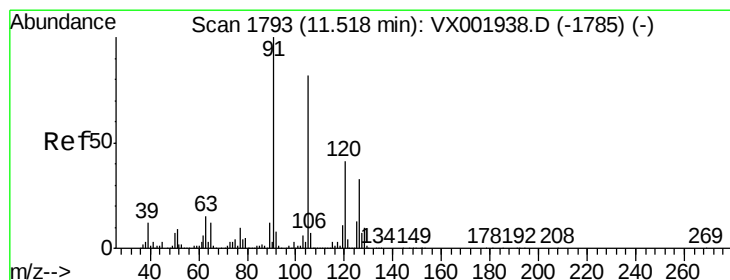
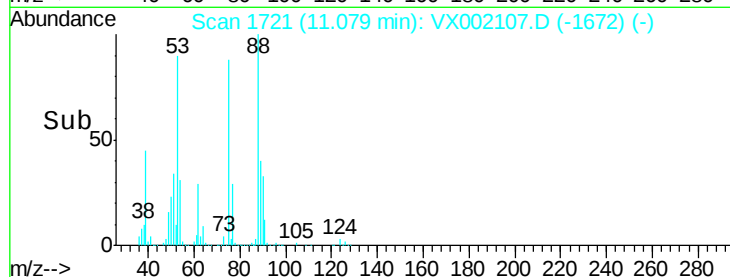
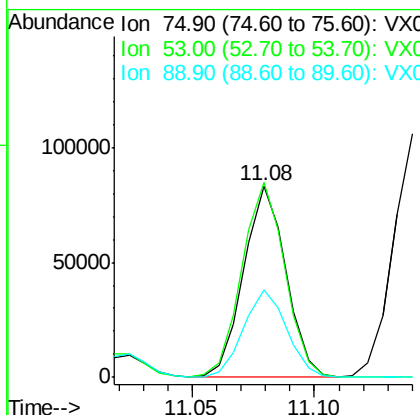
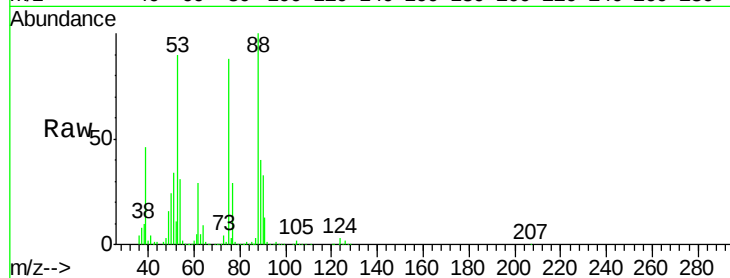
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	99582
Ion Ratio	Lower	Upper	
75	100		
53	103.4	78.0	117.0
89	46.8	39.4	59.2

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#82

4-Chlorotoluene

Concen: 46.12 ug/l

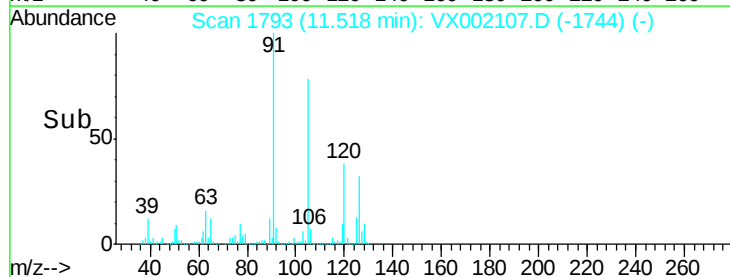
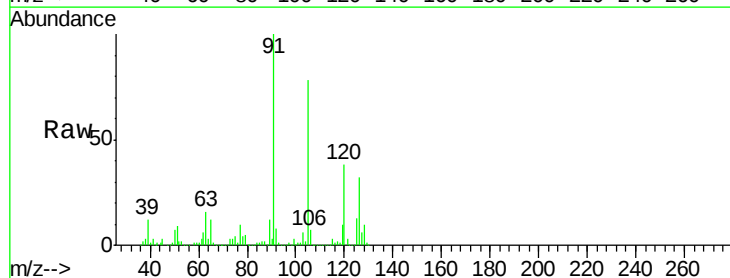
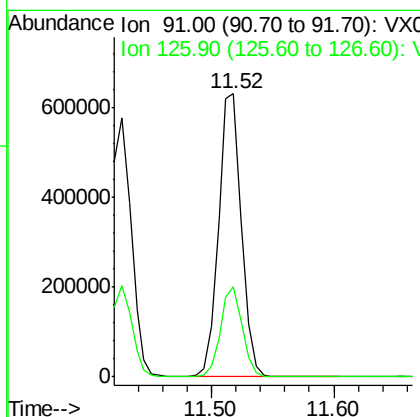
RT: 11.52 min Scan# 1793

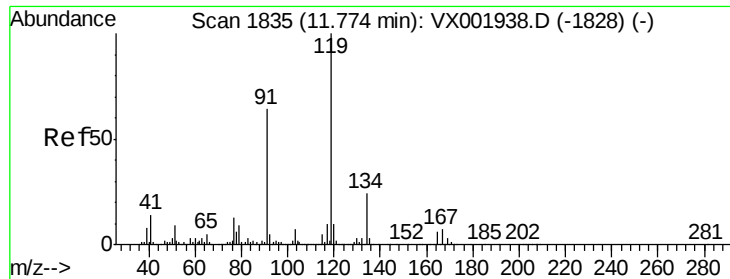
Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Tgt Ion:	91	Resp:	816617
Ion Ratio	Lower	Upper	
91	100		
126	30.4	15.3	45.8





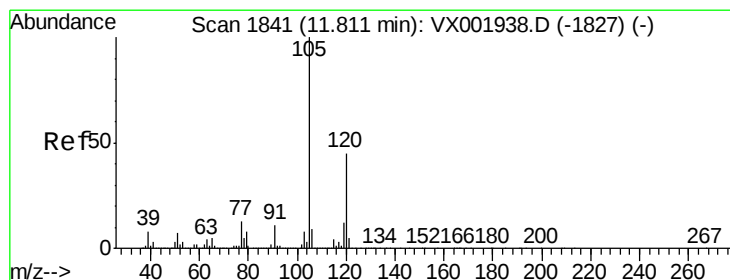
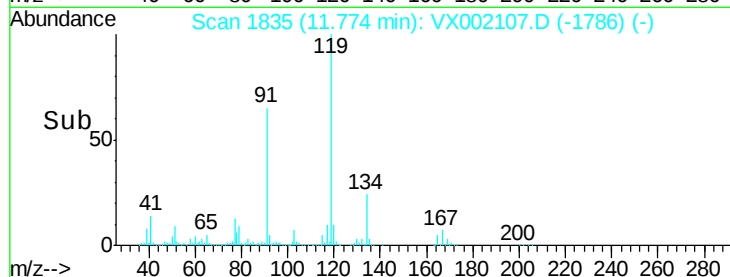
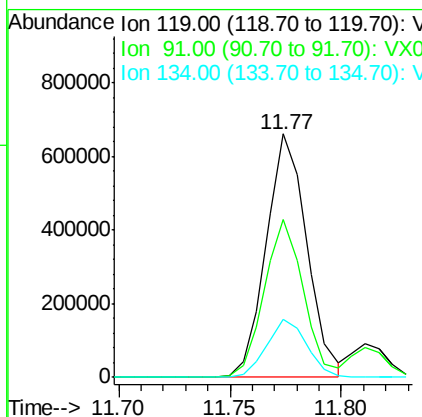
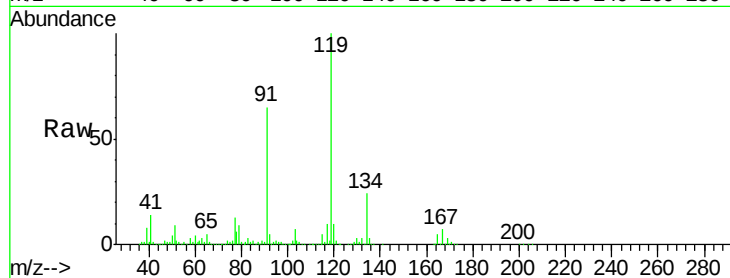
#83
tert-Butylbenzene
Concen: 44.70 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	840317		
91	62.4	30.6	91.8	
134	23.5	11.7	35.0	

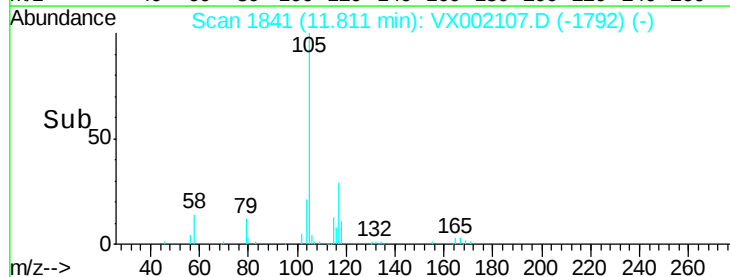
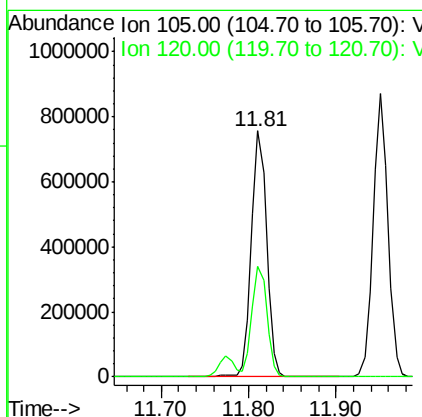
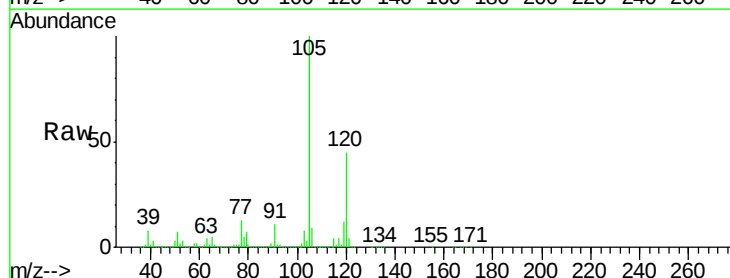
Manual Integrations
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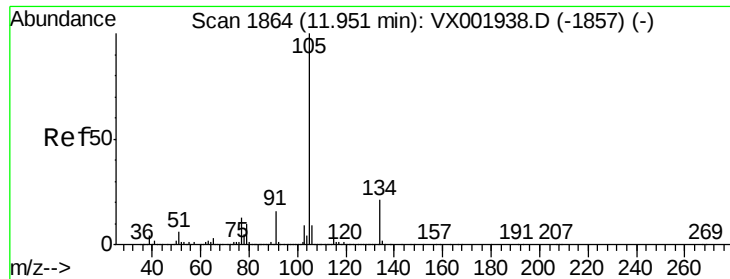
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#84
1,2,4-Trimethylbenzene
Concen: 45.83 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	907342		
120	44.4	22.1	66.5	





#85

sec-Butylbenzene

Concen: 46.05 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1040555

Ion Ratio Lower Upper

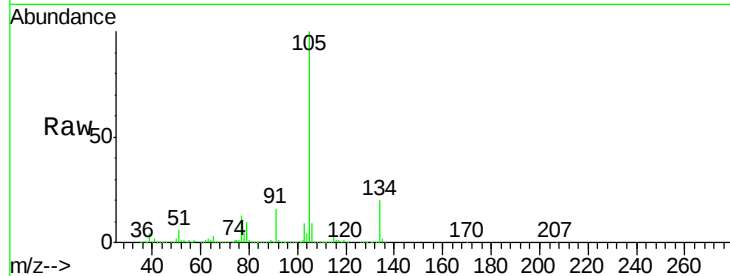
105 100

134 20.5 10.4 31.4

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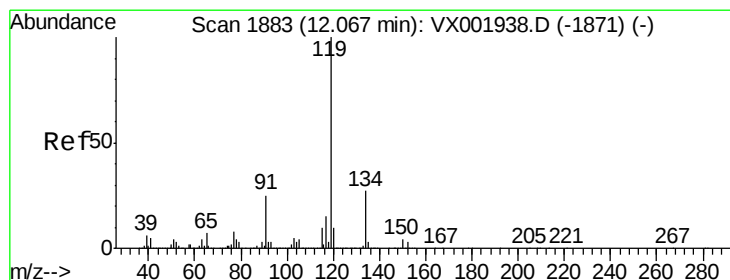
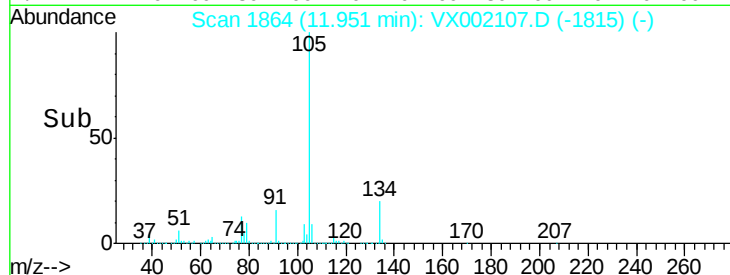
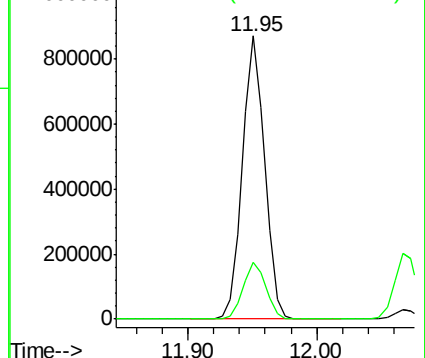
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.79 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

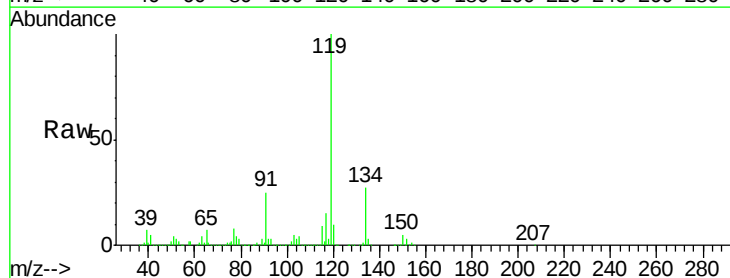
Tgt Ion:119 Resp: 925873

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

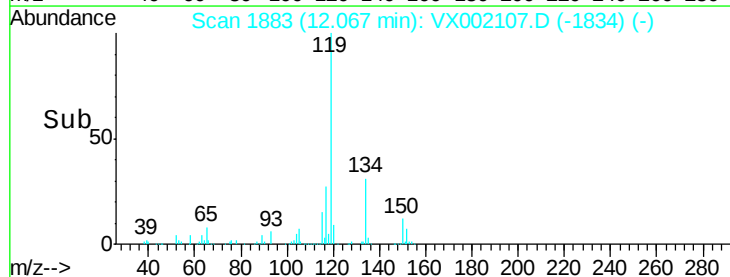
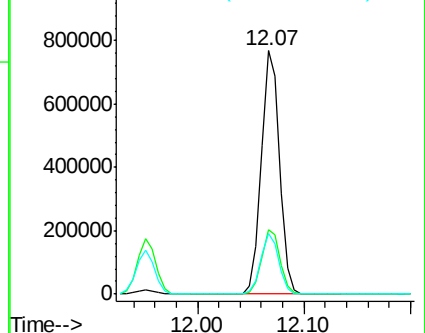
91 24.3 12.2 36.4

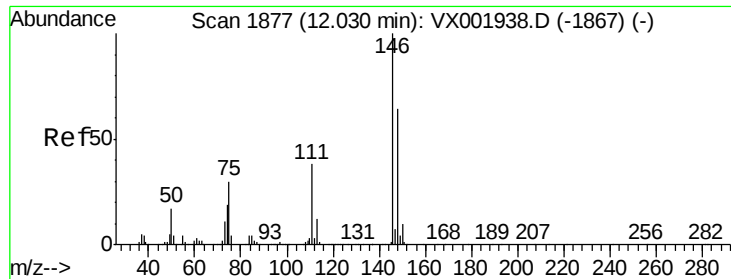


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





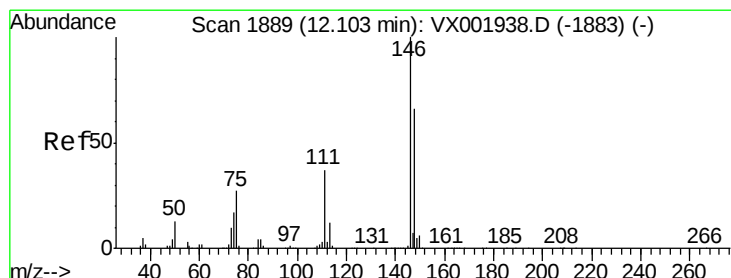
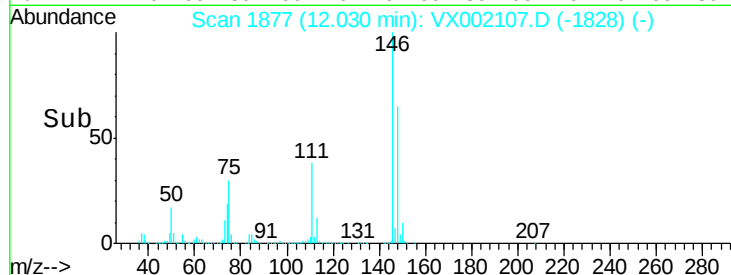
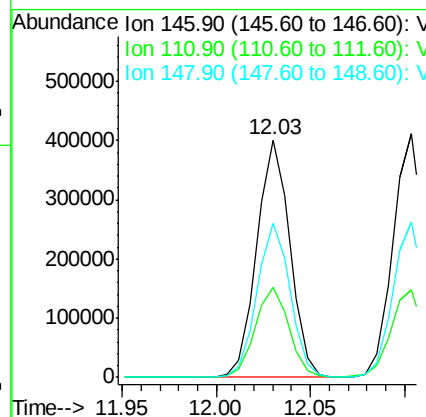
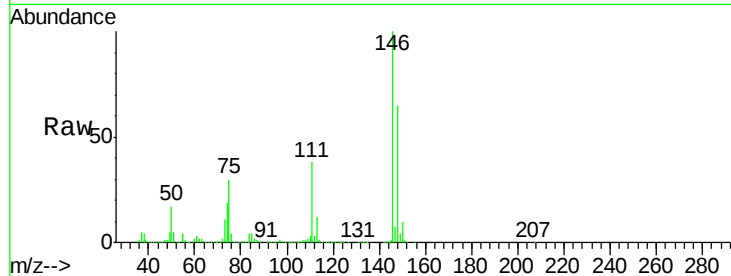
#87
 1,3-Dichlorobenzene
 Concen: 45.96 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.8
148	64.6	32.1	96.3

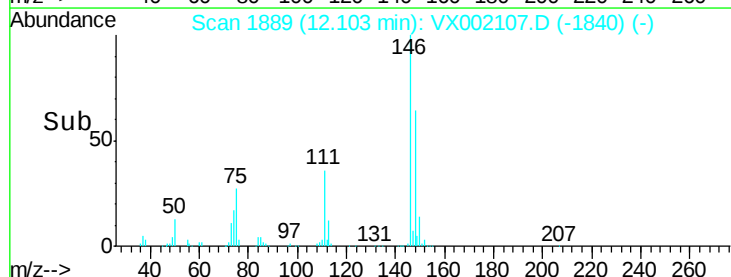
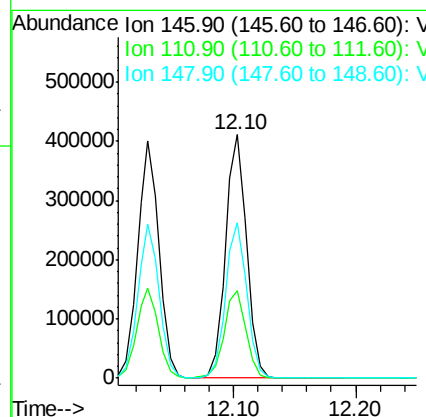
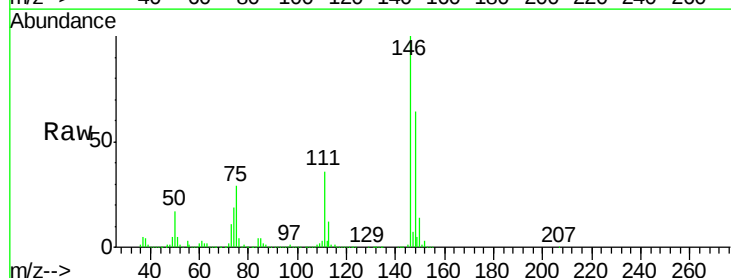
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#88
 1,4-Dichlorobenzene
 Concen: 46.19 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.5
148	63.9	32.3	96.8





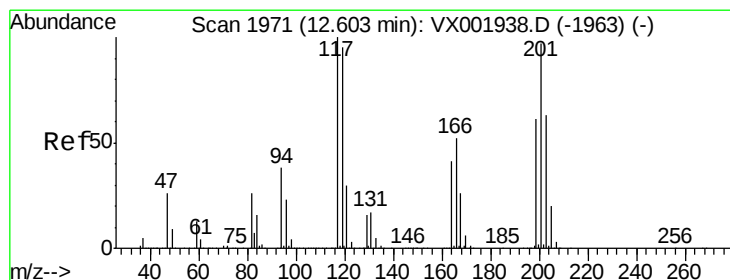
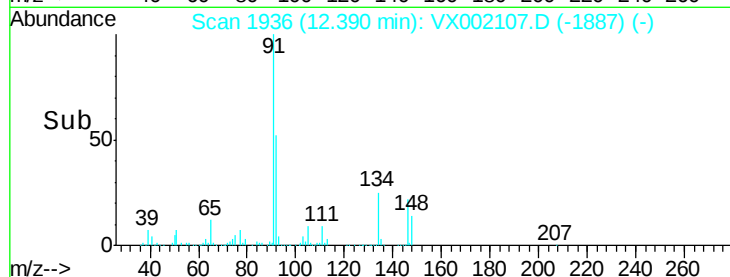
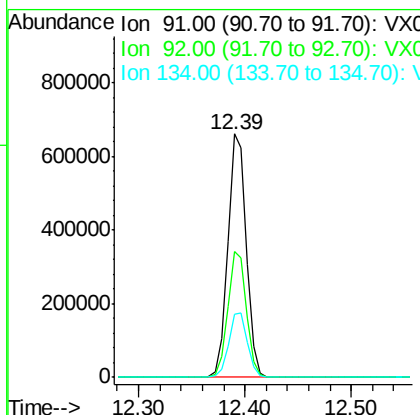
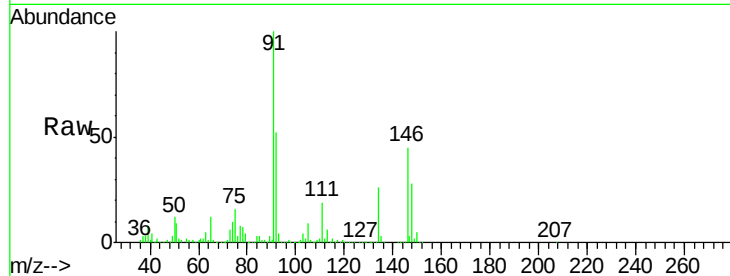
#89
n-Butylbenzene
Concen: 46.64 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.8	13.6	40.7

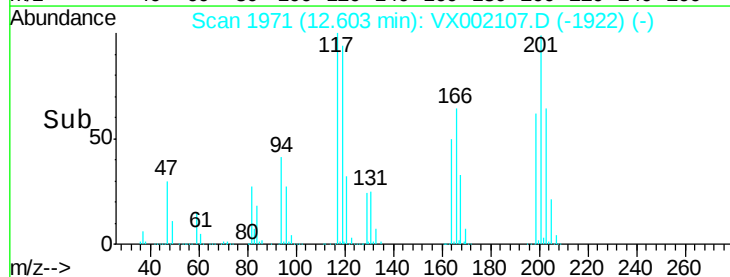
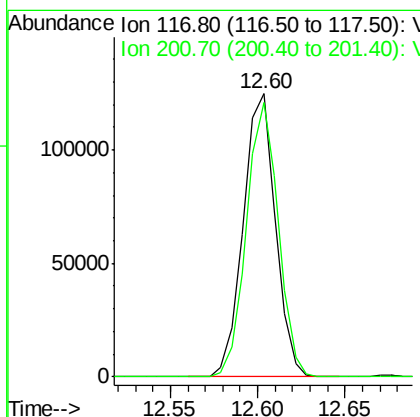
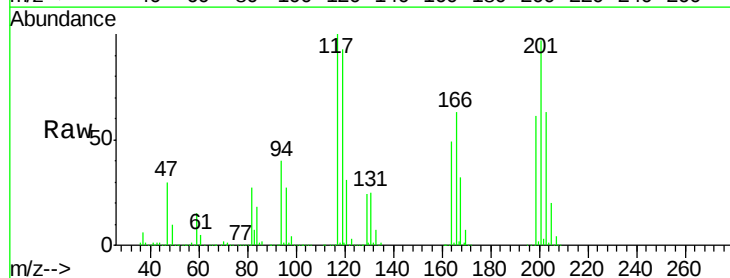
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#90
Hexachloroethane
Concen: 40.01 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002107.D
Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.7	48.0	144.0





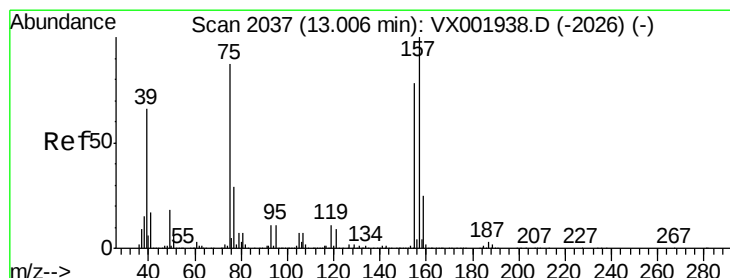
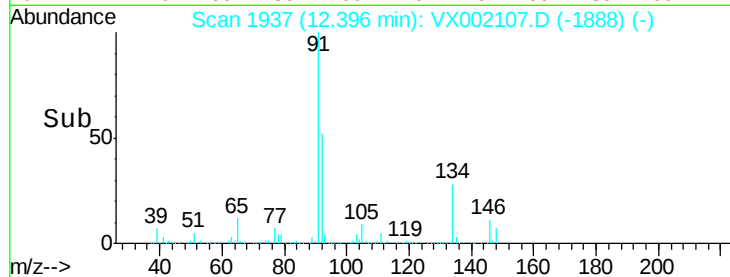
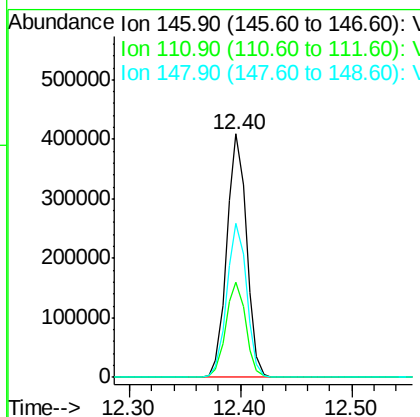
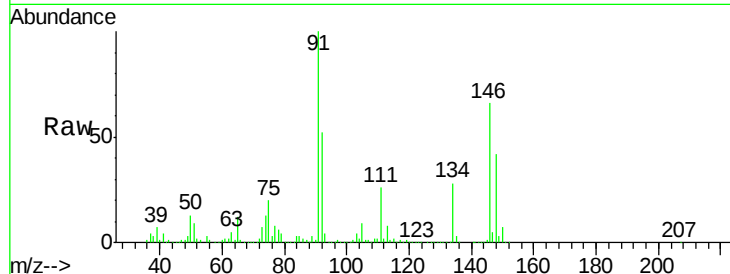
#91
 1,2-Dichlorobenzene
 Concen: 46.17 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	63.8	32.1	96.5

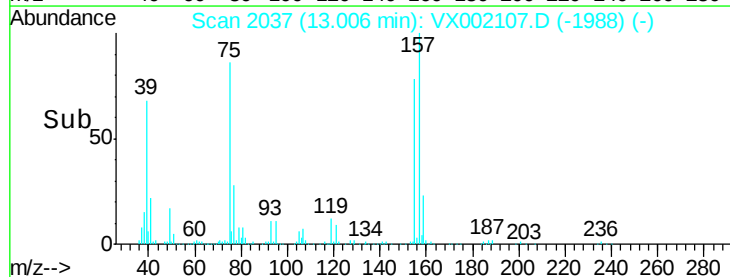
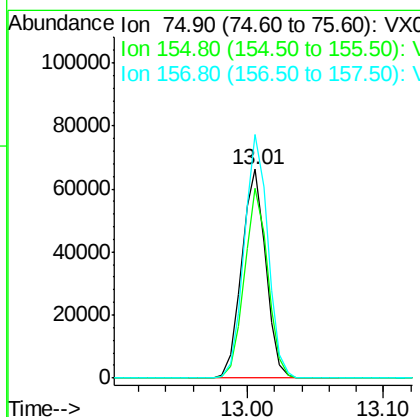
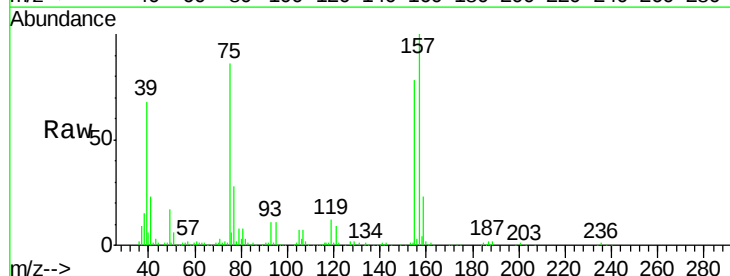
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.76 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	45.1	135.2
157	115.4	58.1	174.2





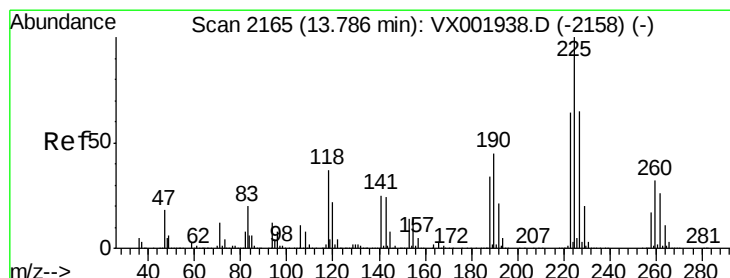
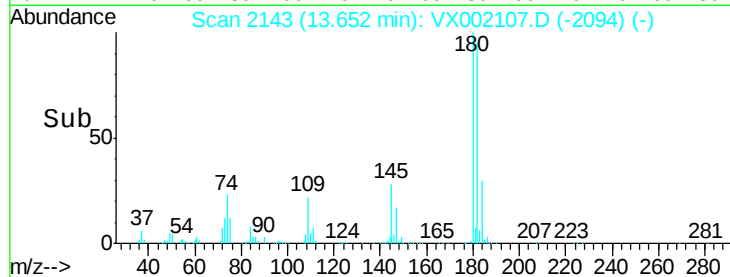
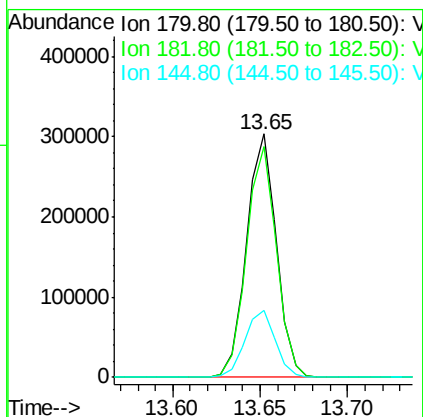
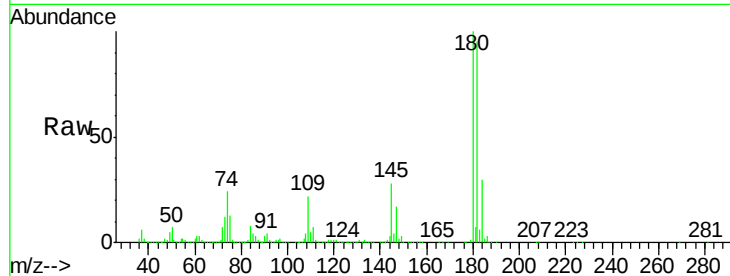
#93
 1,2,4-Trichlorobenzene
 Concen: 46.24 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.7	143.1	
145	28.2	14.4	43.0	

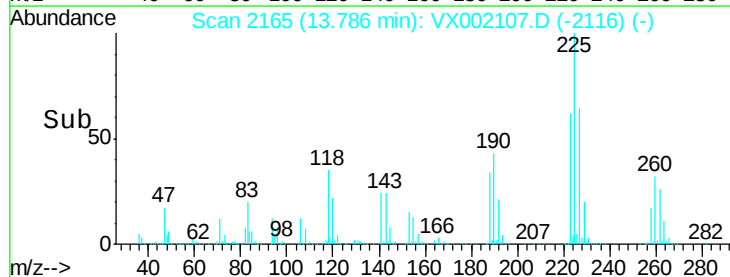
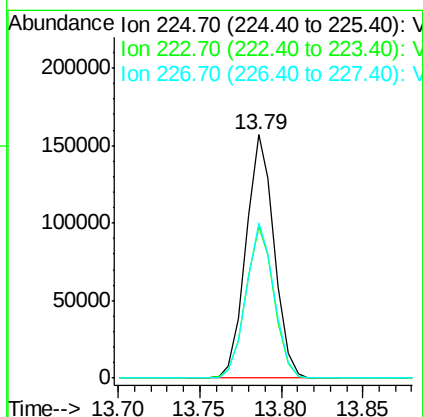
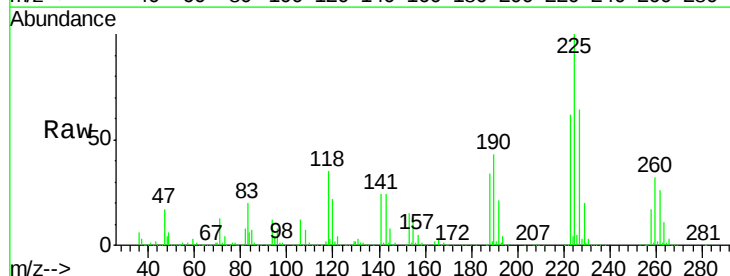
Manual Integrations
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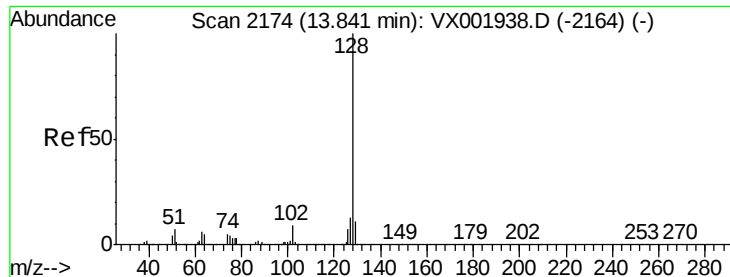
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#94
 Hexachlorobutadiene
 Concen: 45.14 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002107.D
 Acq: 29 May 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.1	93.5	
227	63.3	32.1	96.5	





#95

Naphthalene

Concen: 46.46 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1110840

Ion Ratio Lower Upper

128 100

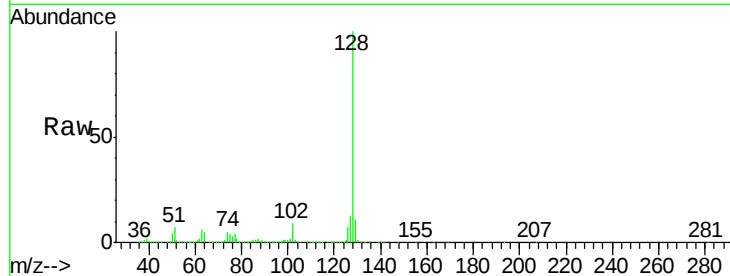
127 13.1 10.4 15.6

129 10.9 8.8 13.2

Manual Integrations
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MMDadoda

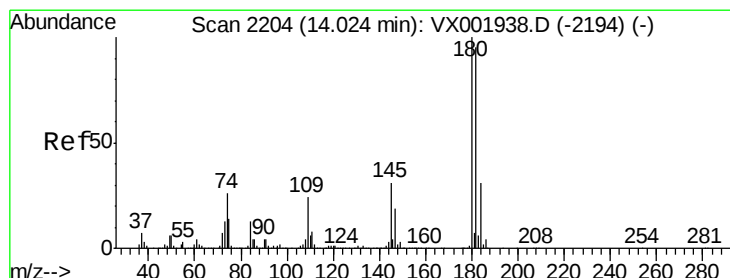
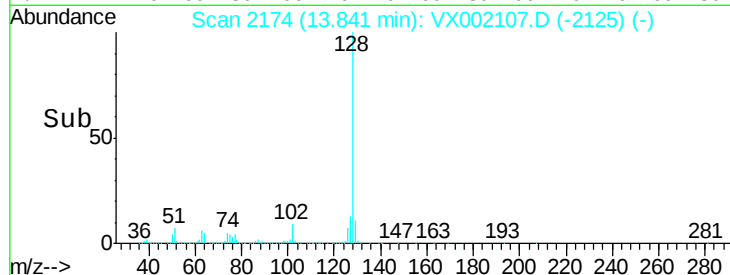
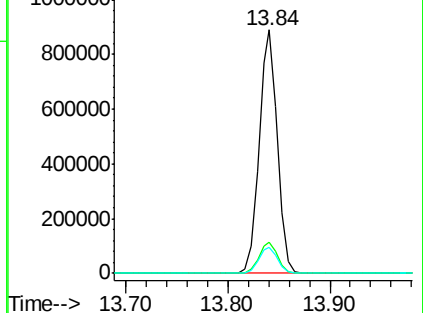
5/30/2018 1:51:01 PM



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: 45.62 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002107.D

Acq: 29 May 2018 21:33

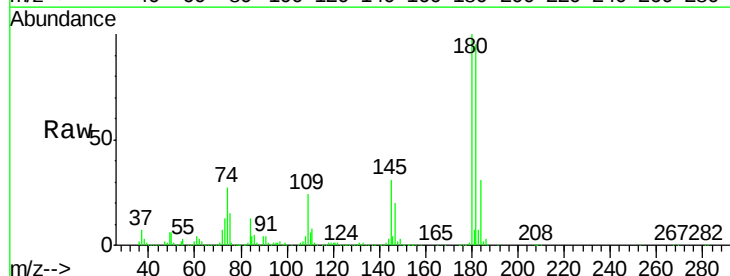
Tgt Ion:180 Resp: 366289

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.6

145 30.4 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

