

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001940.D
 Acq On : 24 May 2018 12:39
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:52 PM

Quant Time: May 24 13:09:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 12:37:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	328775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	457658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	437778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	312013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	815093	140.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.14%	
35) Dibromofluoromethane	5.51	113	637001	142.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.62%	
50) Toluene-d8	8.72	98	2379318	144.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.02%	
62) 4-Bromofluorobenzene	11.15	95	988515	153.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	590086	138.03	ug/l	97
3) Chloromethane	1.32	50	678105	139.24	ug/l	100
4) Vinyl Chloride	1.40	62	684993	145.70	ug/l	100
5) Bromomethane	1.64	94	339208	149.76	ug/l	100
7) Trichlorofluoromethane	1.92	101	958102	135.04	ug/l	99
8) Diethyl Ether	2.19	74	361962	139.12	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	530158	136.07	ug/l	99
10) Methyl Iodide	2.50	142	841155	140.02	ug/l	100
11) Tert butyl alcohol	3.11	59	864513	756.68	ug/l	98
12) 1,1-Dichloroethene	2.37	96	512866	141.15	ug/l	97
13) Acrolein	2.30	56	387505	855.42	ug/l	98
14) Allyl chloride	2.72	41	1071973	137.06	ug/l	99
15) Acrylonitrile	3.16	53	1685575	719.78	ug/l	100
16) Acetone	2.46	43	1556240	709.67	ug/l	98
17) Carbon Disulfide	2.56	76	1513705	142.48	ug/l	99
18) Methyl Acetate	2.79	43	810588	143.07	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1948704	139.13	ug/l	100
20) Methylene Chloride	2.85	84	572829	140.77	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	543459	139.07	ug/l	99
22) Diisopropyl ether	3.89	45	1974309	120.31	ug/l	96
23) Vinyl Acetate	3.84	43	8770736	657.29	ug/l	99
24) 1,1-Dichloroethane	3.70	63	1055181	139.56	ug/l	99
25) 2-Butanone	4.73	43	2922550	706.51	ug/l	98
26) 2,2-Dichloropropane	4.59	77	1008870	134.57	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	686512	141.39	ug/l	90
28) Bromochloromethane	5.03	49	466892	135.56	ug/l	98
29) Tetrahydrofuran	5.18	42	1874450	701.14	ug/l	99
30) Chloroform	5.23	83	1178764	140.92	ug/l	98
31) Cyclohexane	5.57	56	1039802	134.44	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	1106099	139.65	ug/l	99
36) 1,1-Dichloropropene	5.80	75	869459	142.43	ug/l	98
37) Ethyl Acetate	4.89	43	1140799	141.23	ug/l	100
38) Carbon Tetrachloride	5.79	117	1013692	142.36	ug/l	99
39) Methylcyclohexane	7.46	83	1038350	139.52	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.15	78	2553185	140.69	ug/l	99
41) Methacrylonitrile	5.08	41	642739	143.13	ug/l	99
42) 1,2-Dichloroethane	6.21	62	1002160	141.46	ug/l	99
43) Isopropyl Acetate	6.48	43	1947547	143.95	ug/l	100
44) Trichloroethene	7.22	130	741476	141.50	ug/l	99
45) 1,2-Dichloropropane	7.52	63	685578	141.73	ug/l	99
46) Dibromomethane	7.67	93	465842	142.70	ug/l	99
47) Bromodichloromethane	7.91	83	977708	142.49	ug/l	100
48) Methyl methacrylate	7.79	41	993960	145.39	ug/l	99
49) 1,4-Dioxane	7.77	88	357086	2897.58	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	5768707	705.03	ug/l	97
52) Toluene	8.79	92	1656166	144.43	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	1159297	143.03	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	1152058	146.99	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	683469	145.53	ug/l	99
56) Ethyl methacrylate	9.19	69	1193398	147.55	ug/l	99
57) 1,3-Dichloropropane	9.38	76	1139361	144.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	2666533	731.09	ug/l	98
59) 2-Hexanone	9.51	43	4543685	717.52	ug/l	98
60) Dibromochloromethane	9.59	129	858467	149.84	ug/l	99
61) 1,2-Dibromoethane	9.68	107	748337	148.50	ug/l	100
64) Tetrachloroethene	9.34	164	830910	137.90	ug/l	99
65) Chlorobenzene	10.15	112	1921865	144.20	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	768976	143.96	ug/l	100
67) Ethyl Benzene	10.26	91	3276901	140.03	ug/l	99
68) m/p-Xylenes	10.37	106	2528470	283.96	ug/l	97
69) o-Xylene	10.71	106	1260455	142.87	ug/l	99
70) Stvrene	10.72	104	2156451	145.56	ug/l	100
71) Bromoform	10.87	173	808382	155.50	ug/l #	99
73) Isopropylbenzene	11.02	105	3360596	133.49	ug/l	99
74) N-amyl acetate	6.48	43	1947547	131.44	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	1070535	145.51	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	1082995m	157.15	ug/l	
77) Bromobenzene	11.26	156	952176	142.24	ug/l	97
78) n-propylbenzene	11.37	91	3804554	133.15	ug/l	98
79) 2-Chlorotoluene	11.43	91	2334493	136.38	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2915706	135.84	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	411330	141.96	ug/l	98
82) 4-Chlorotoluene	11.52	91	2749621	137.71	ug/l	99
83) tert-Butylbenzene	11.77	119	2910492	139.74	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	3017530	136.98	ug/l	99
85) sec-Butylbenzene	11.95	105	3474590	136.18	ug/l	99
86) p-Isopropyltoluene	12.07	119	3183528	138.99	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1735598	145.28	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1744353	145.11	ug/l	99
89) n-Butylbenzene	12.40	91	2804548	140.95	ug/l	99
90) Hexachloroethane	12.60	117	628801	140.10	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	1740358	141.95	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	315720	140.77	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	1326933	148.00	ug/l	100

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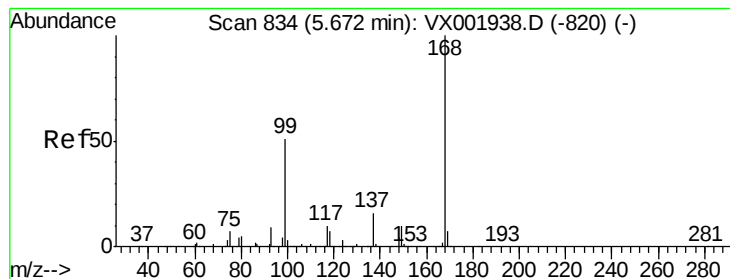
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu May 24 12:37:57 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	694556	145.01	ug/l	99
95) Naphthalene	13.84	128	3846059	139.85	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1332296	144.68	ug/l	100

(#) = 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: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 328775

Ion Ratio Lower Upper

168 100

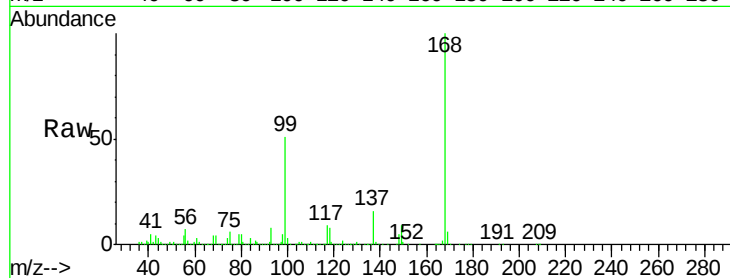
99 50.3 41.0 61.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

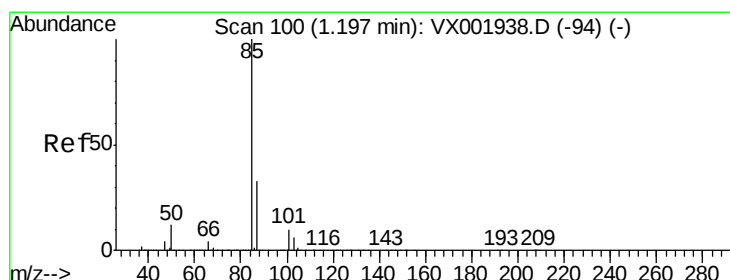
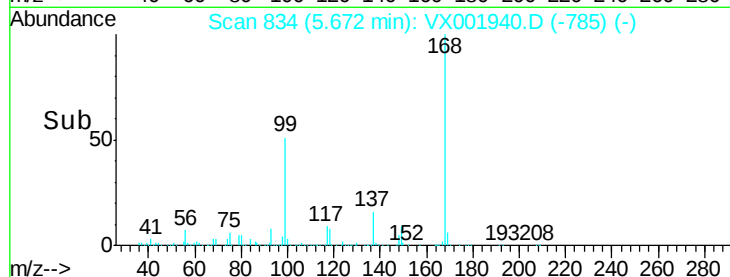
50000

0

5.50 5.60 5.70 5.80

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 138.03 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX001940.D

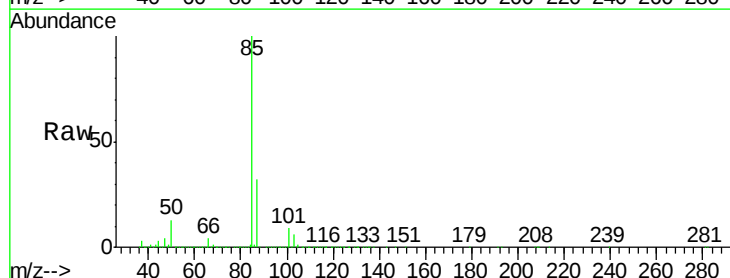
Acq: 24 May 2018 12:39

Tgt Ion: 85 Resp: 590086

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

600000

500000

400000

300000

200000

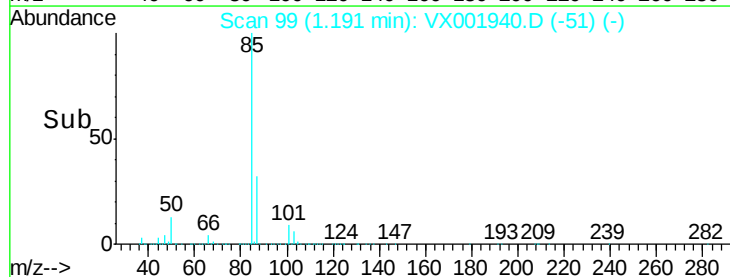
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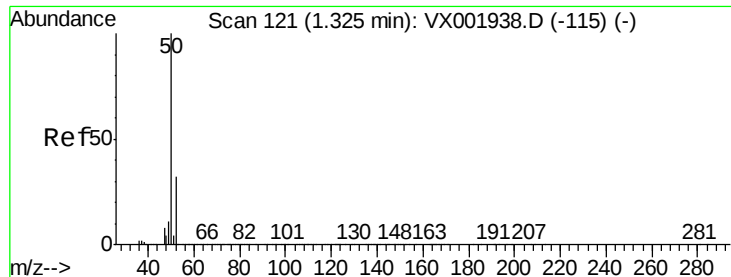
0

1.10 1.20 1.30

1.19

Time-->





#3

Chloromethane

Concen: 139.24 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 678105

Ion Ratio Lower Upper

50 100

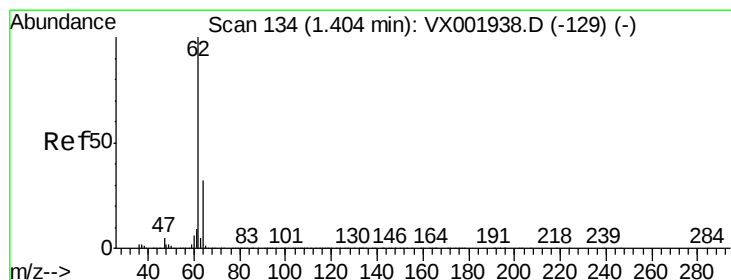
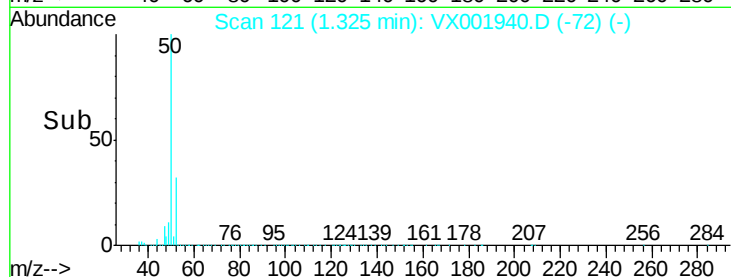
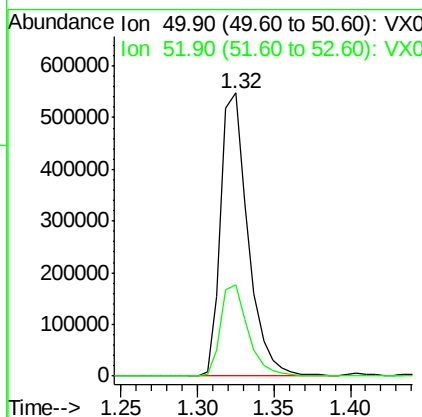
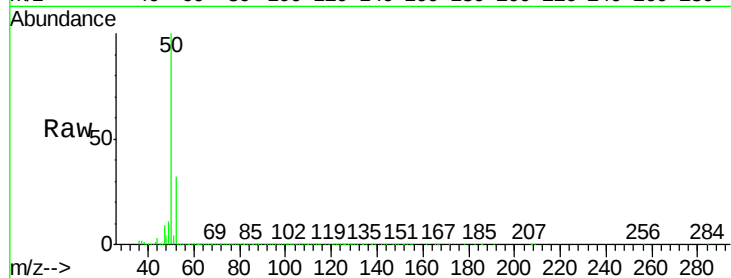
52 32.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 145.70 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001940.D

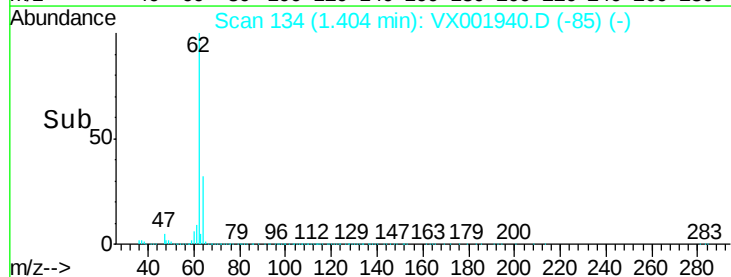
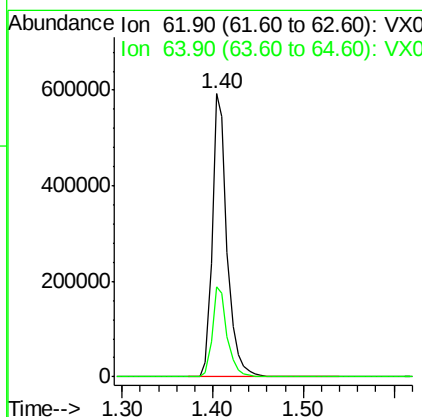
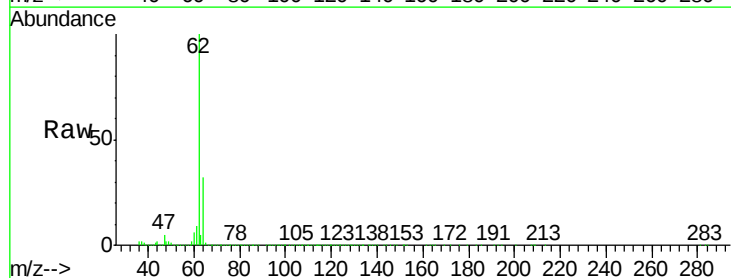
Acq: 24 May 2018 12:39

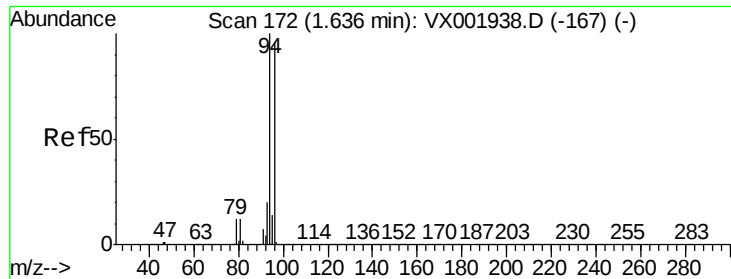
Tgt Ion: 62 Resp: 684993

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 149.76 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 339208

Ion Ratio Lower Upper

94 100

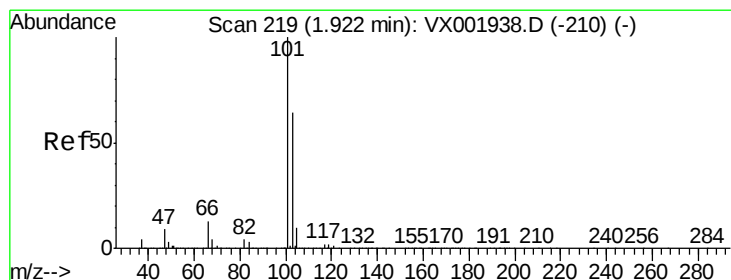
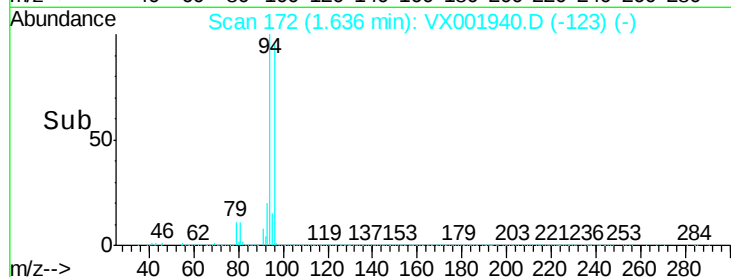
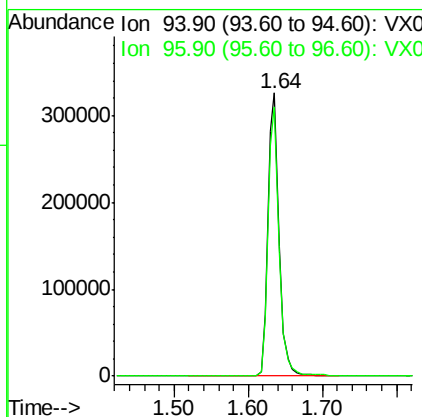
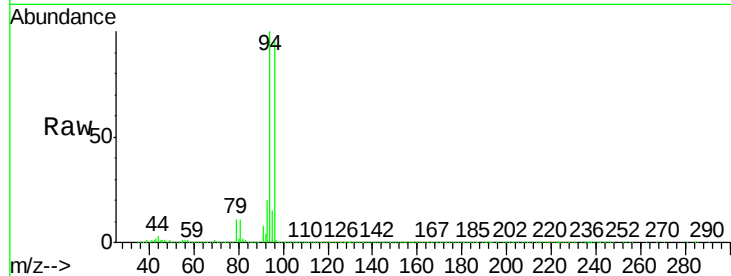
96 94.8 75.9 113.9

Manual Integrations

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#7

Trichlorofluoromethane

Concen: 135.04 ug/l

RT: 1.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX001940.D

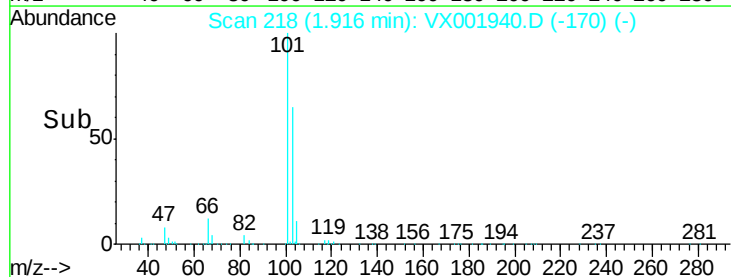
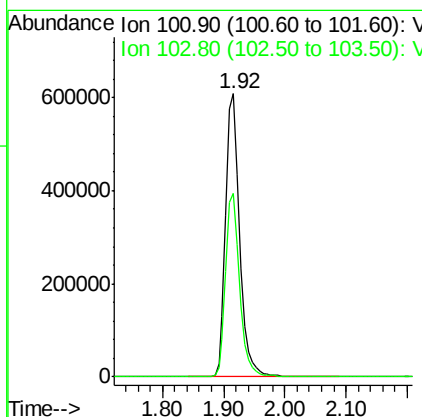
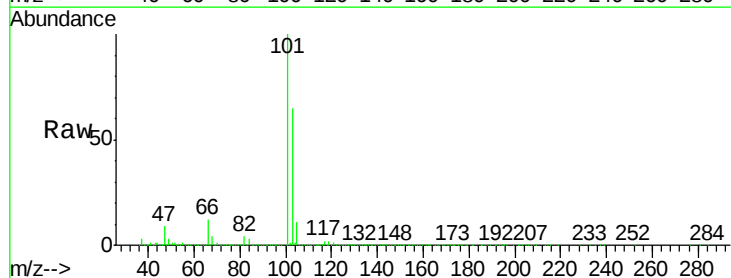
Acq: 24 May 2018 12:39

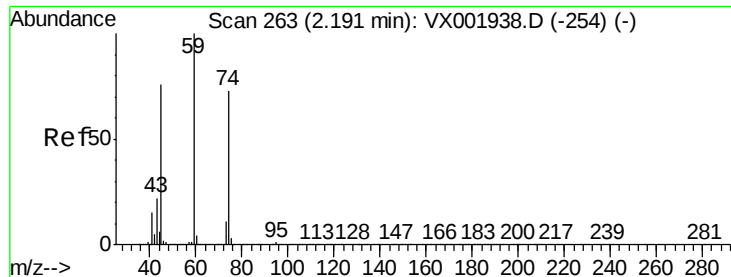
Tgt Ion: 101 Resp: 958102

Ion Ratio Lower Upper

101 100

103 65.0 51.4 77.0





#8

Diethyl Ether

Concen: 139.12 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 74 Resp: 361962

Ion Ratio Lower Upper

74 100

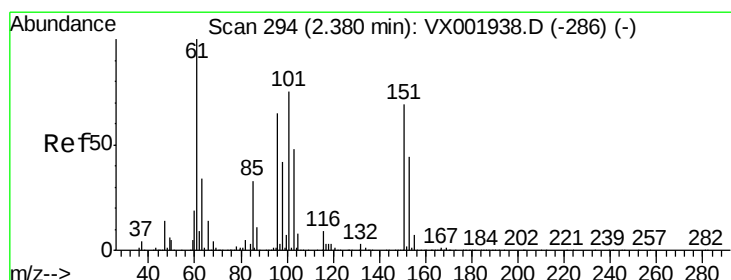
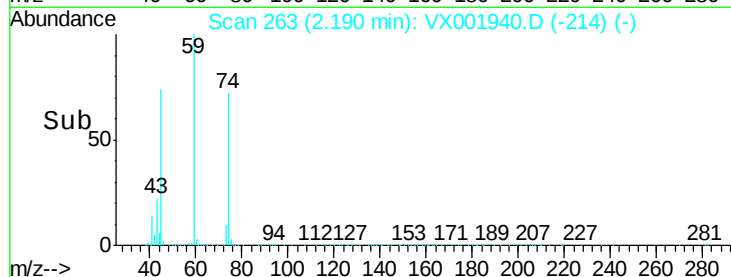
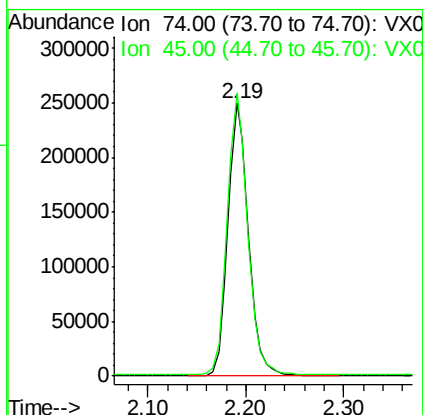
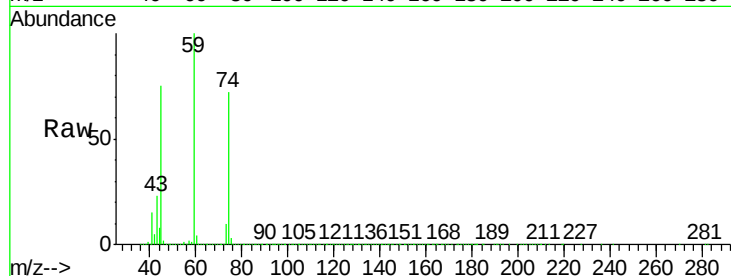
45 103.1 51.5 154.7

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 136.07 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

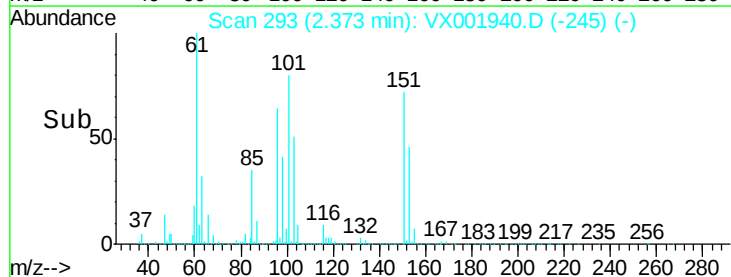
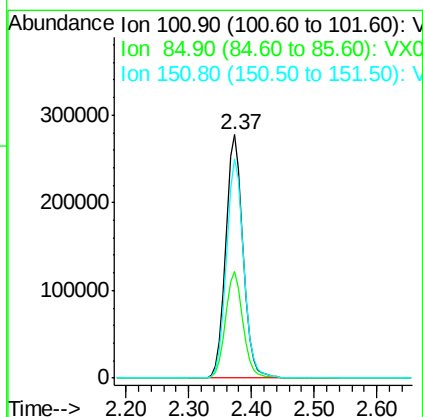
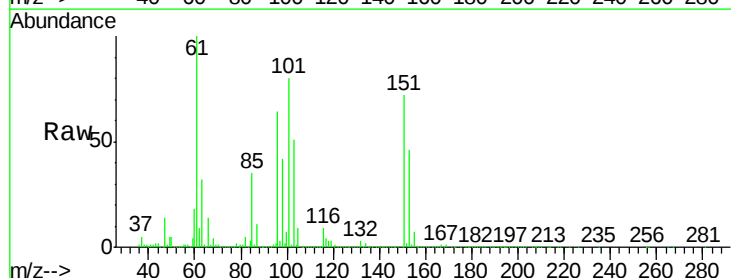
Tgt Ion: 101 Resp: 530158

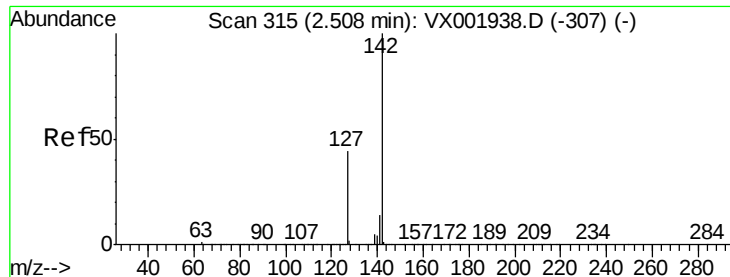
Ion Ratio Lower Upper

101 100

85 43.6 35.6 53.4

151 90.3 73.2 109.8





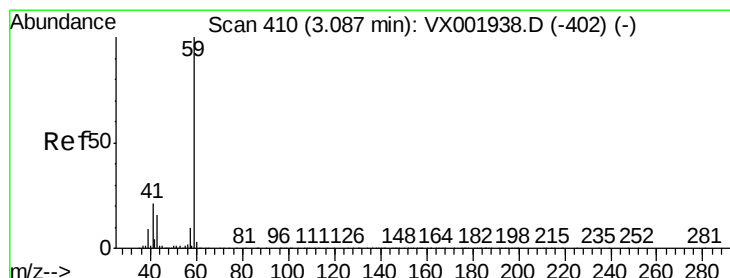
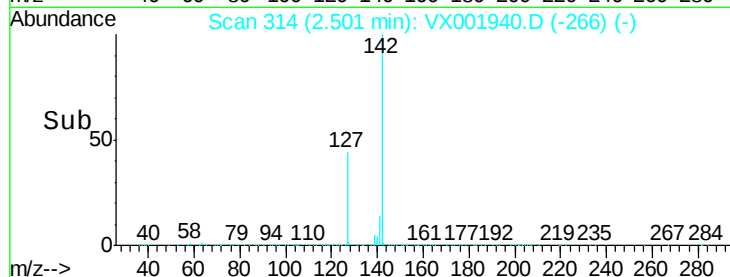
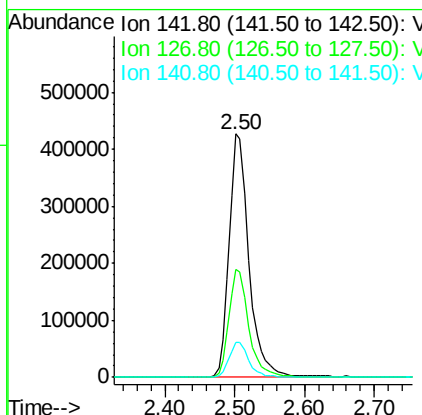
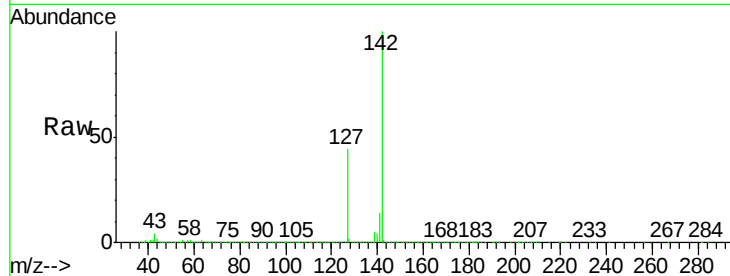
#10
Methvl Iodide
Concen: 140.02 ug/l
RT: 2.50 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
142	100	841155		
127	44.4	35.5	53.3	
141	14.3	11.3	16.9	

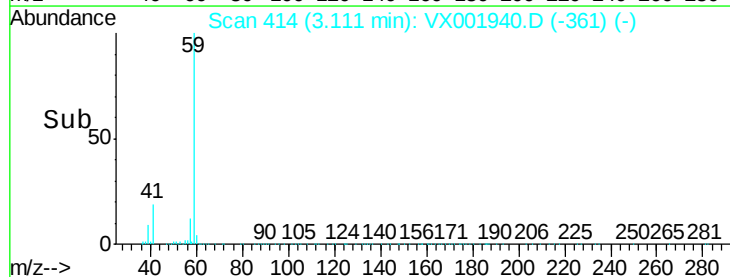
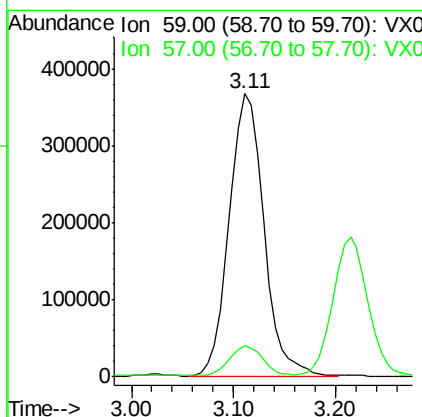
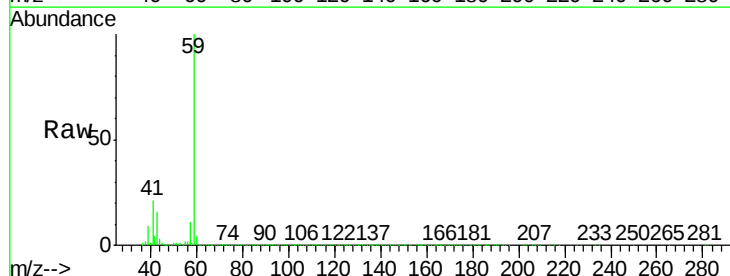
Manual Integrations
APPROVED

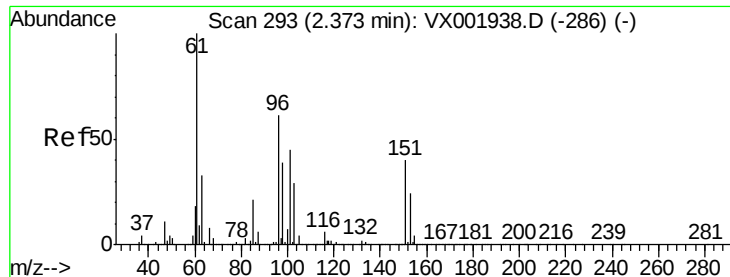
MMDadoda
5/25/2018 2:25:52 PM



#11
Tert butyl alcohol
Concen: 756.68 ug/l
RT: 3.11 min Scan# 414
Delta R.T. 0.02 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	864513		
57	10.3	8.9	13.3	





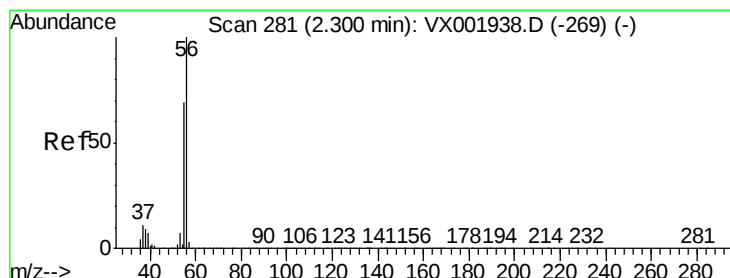
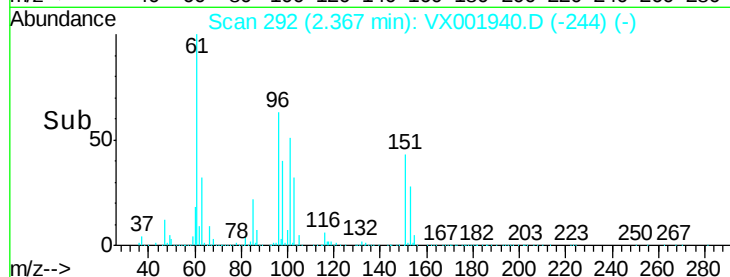
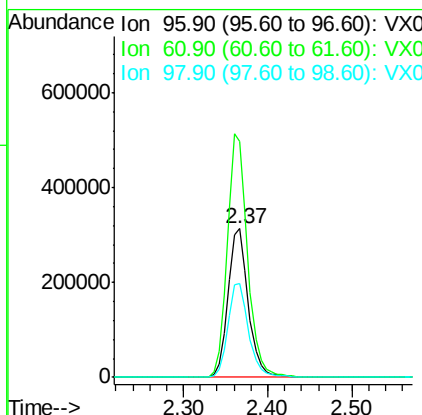
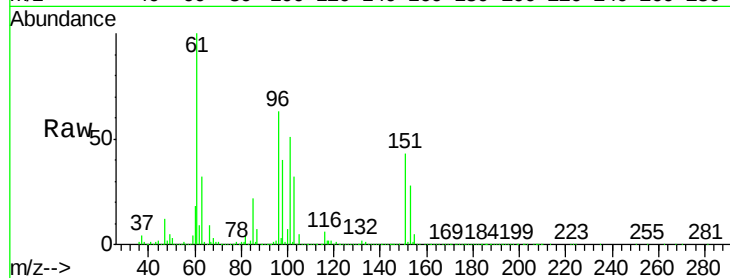
#12
 1,1-Dichloroethene
 Concen: 141.15 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.6	131.7	197.5
98	63.3	51.6	77.4

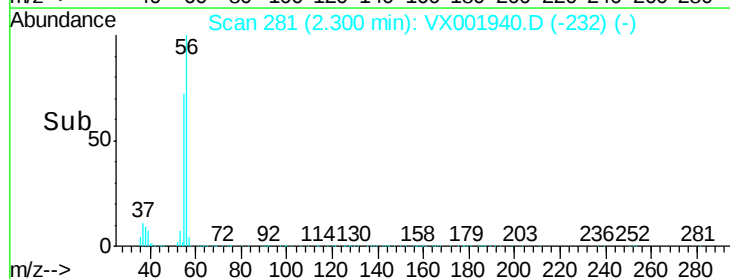
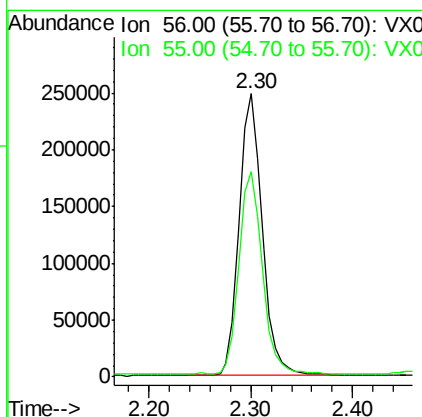
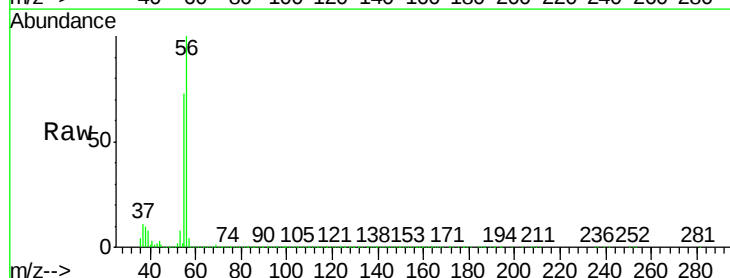
Manual Integrations
 APPROVED

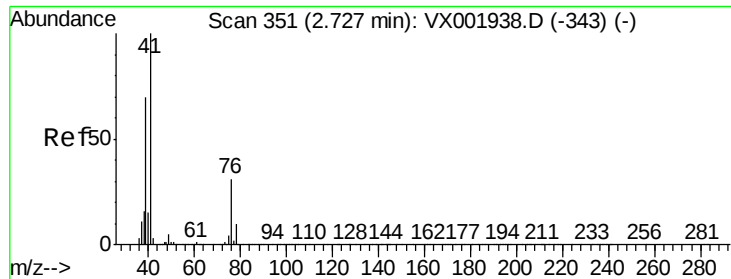
MMDadoda
 5/25/2018 2:25:52 PM



#13
 Acrolein
 Concen: 855.42 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.7	56.8	85.2





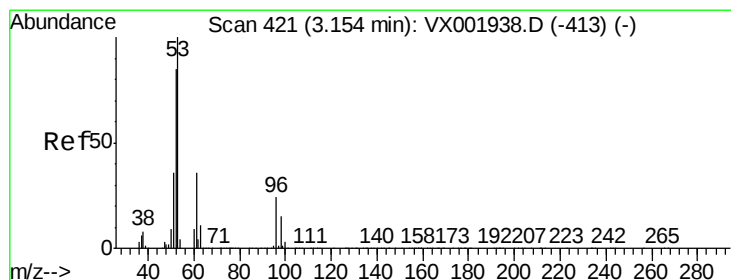
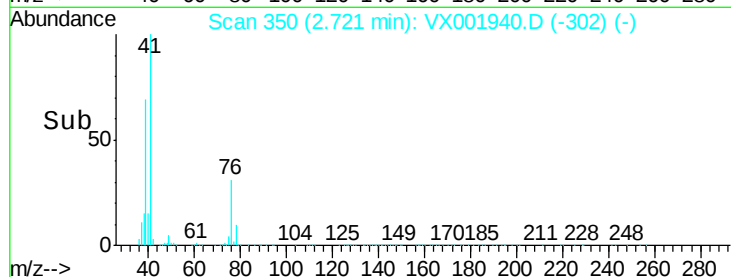
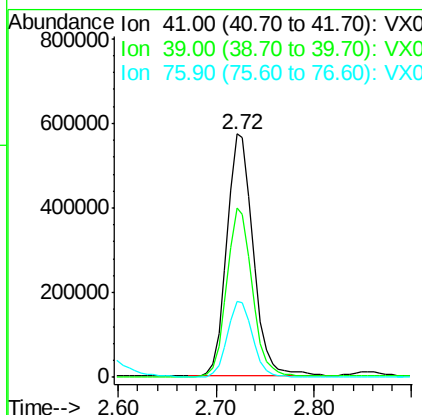
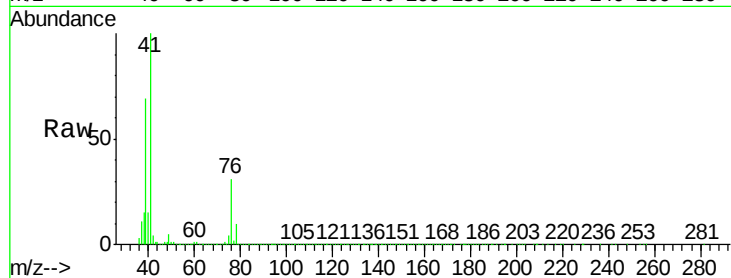
#14
Allvl chloride
Concen: 137.06 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.7	54.3	81.5
76	30.2	24.2	36.4

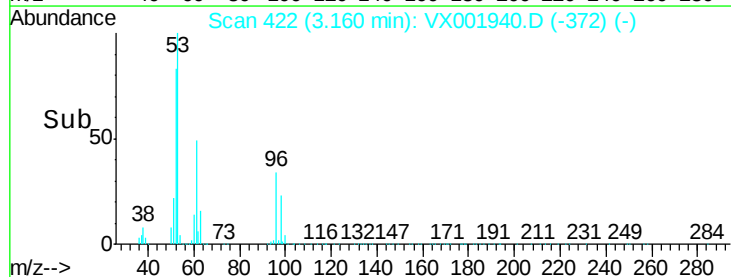
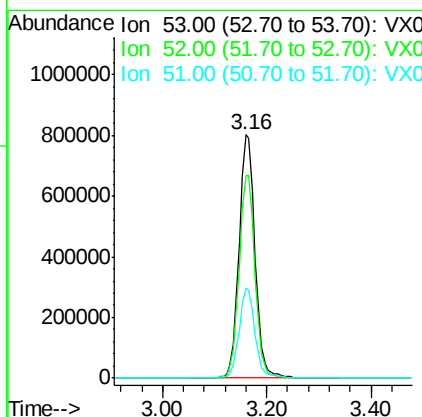
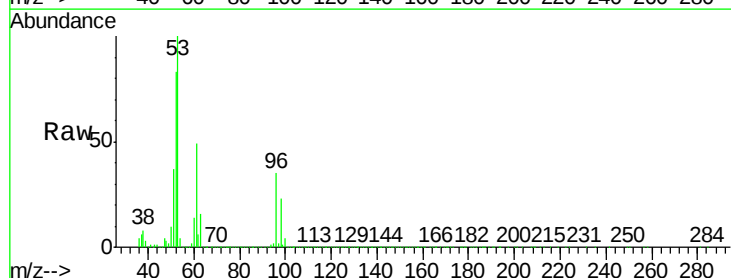
Manual Integrations
APPROVED

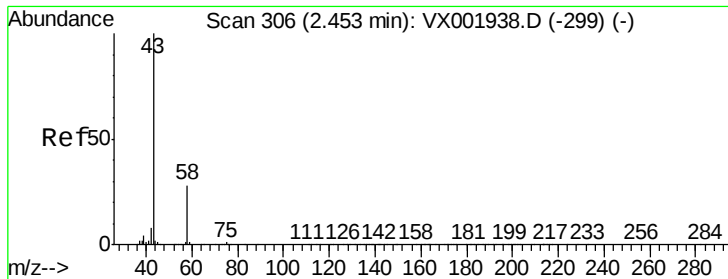
MMDadoda
5/25/2018 2:25:52 PM



#15
Acrylonitrile
Concen: 719.78 ug/l
RT: 3.16 min Scan# 422
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	37.0	29.3	43.9





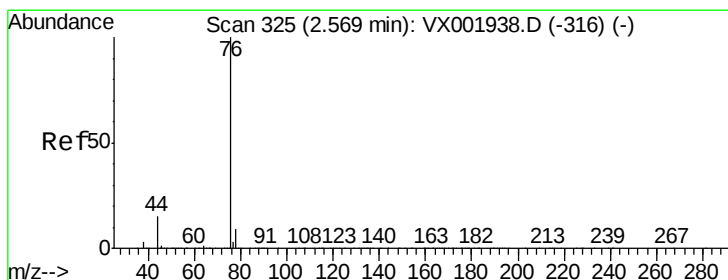
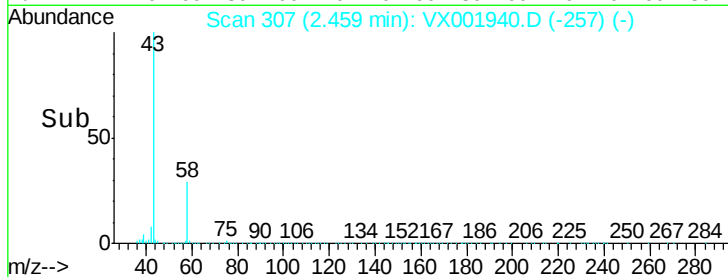
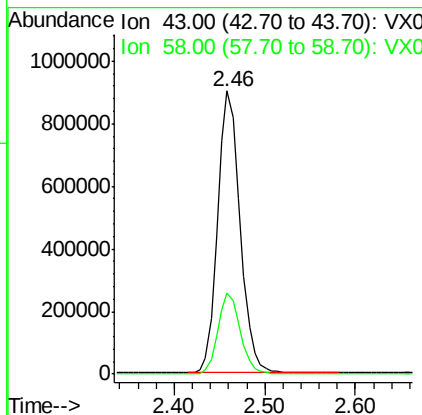
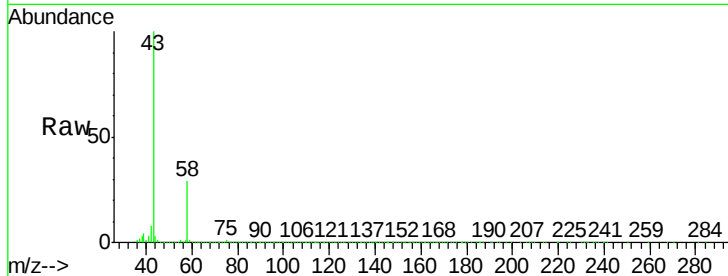
#16
Acetone
Concen: 709.67 ug/l
RT: 2.46 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1556240
Ion Ratio Lower Upper
43 100
58 28.7 22.3 33.5

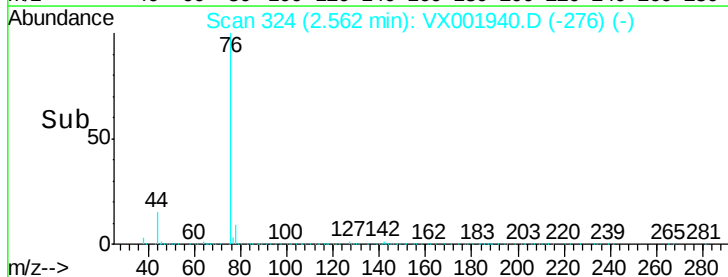
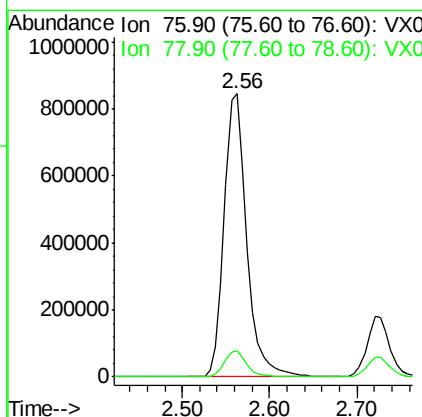
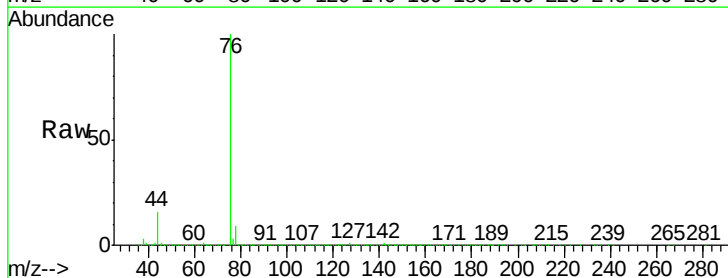
Manual Integrations
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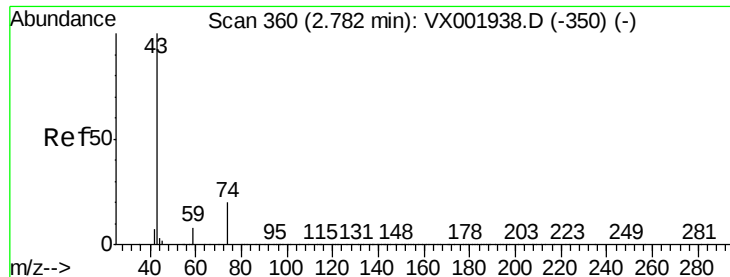
MMDadoda
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#17
Carbon Disulfide
Concen: 142.48 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion: 76 Resp: 1513705
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2





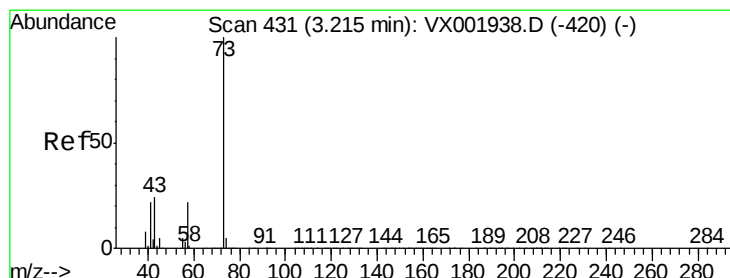
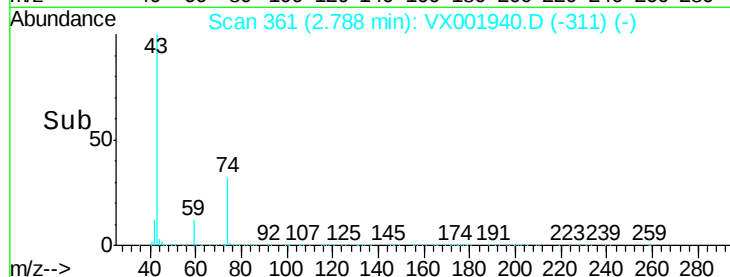
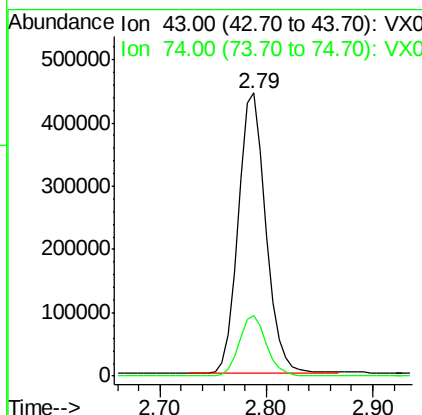
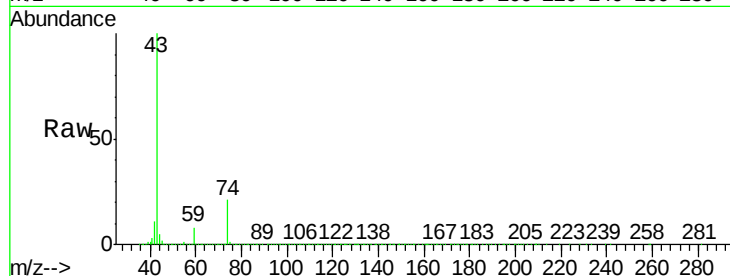
#18
Methvl Acetate
Concen: 143.07 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.8	25.2

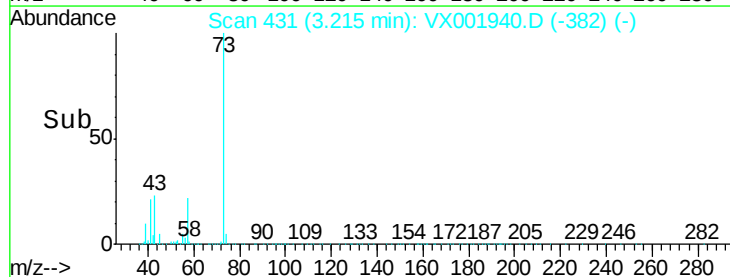
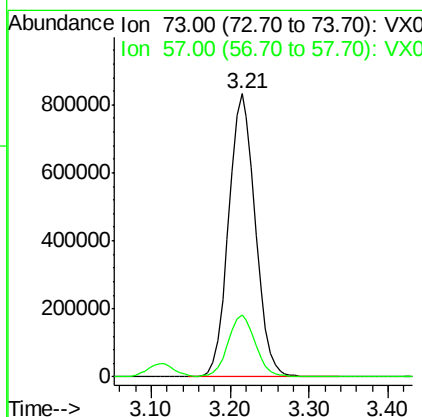
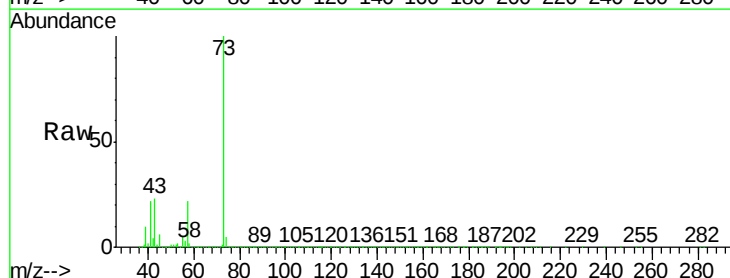
Manual Integrations
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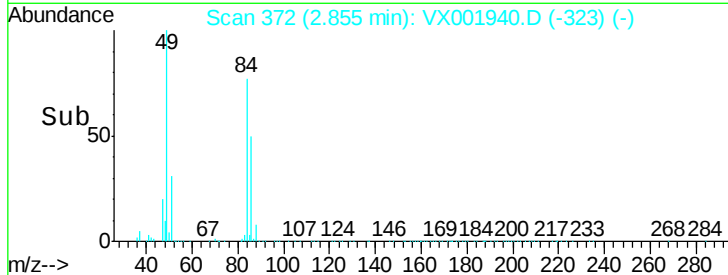
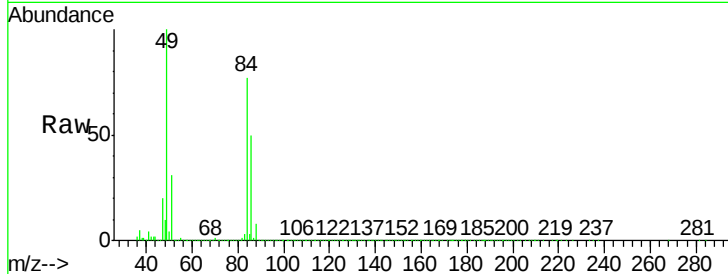
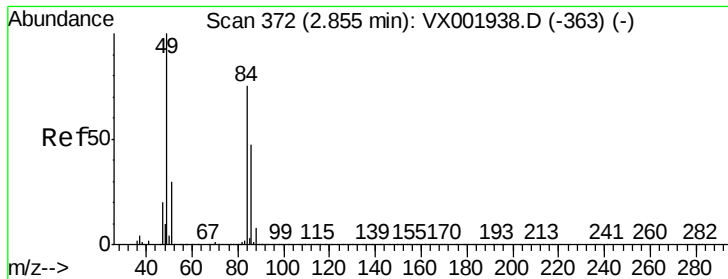
MMDadoda
5/25/2018 2:25:52 PM



#19
Methyl tert-butyl Ether
Concen: 139.13 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0





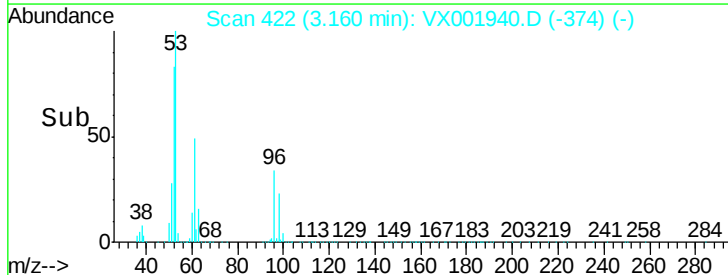
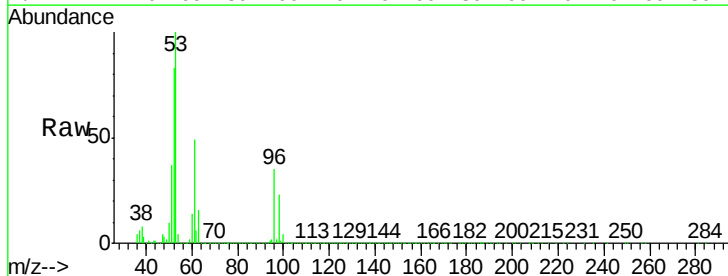
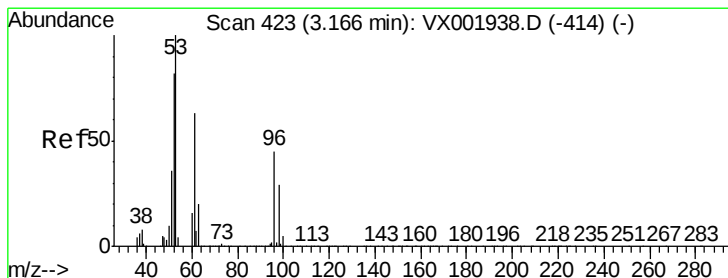
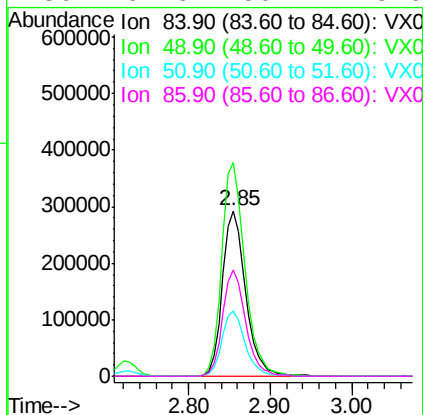
#20
Methvlene Chloride
Concen: 140.77 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tot Ion	84	Resp	572829
Ion Ratio	Lower	Upper	
84	100		
49	129.3	107.2	160.8
51	39.5	32.4	48.6
86	64.6	50.4	75.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

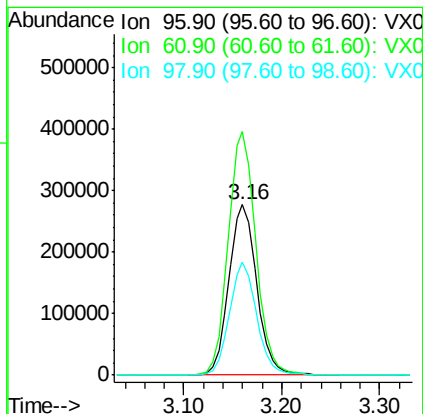
Manual Integrations
APPROVED

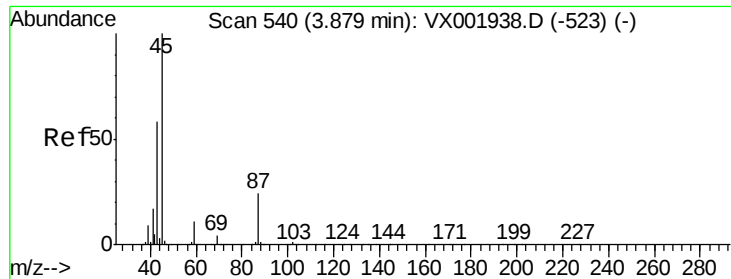
MMDadoda
5/25/2018 2:25:52 PM



#21
trans-1,2-Dichloroethene
Concen: 139.07 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion	96	Resp	543459
Ion Ratio	Lower	Upper	
96	100		
61	143.0	113.3	169.9
98	66.1	51.7	77.5





#22

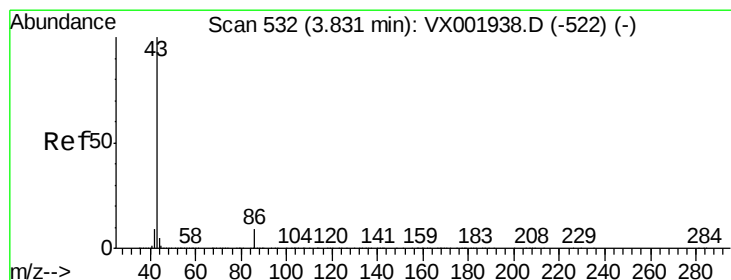
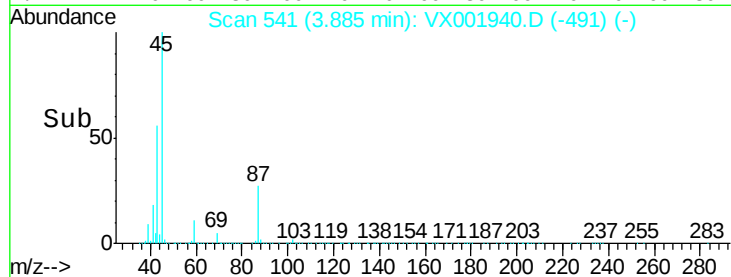
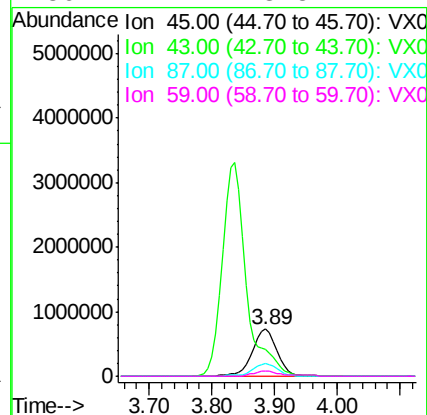
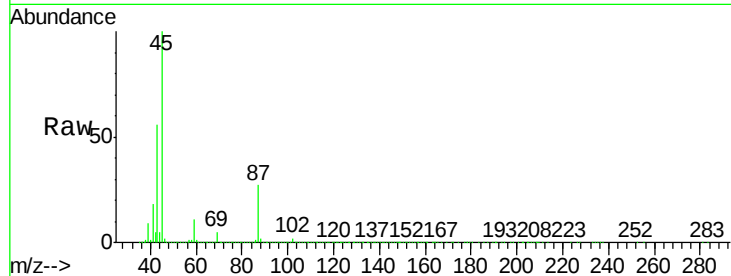
Diisopropyl ether
 Concen: 120.31 ug/l
 RT: 3.89 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	55.8	47.0	70.6	
87	27.3	19.4	29.0	
59	11.2	8.5	12.7	

Manual Integrations
 APPROVED

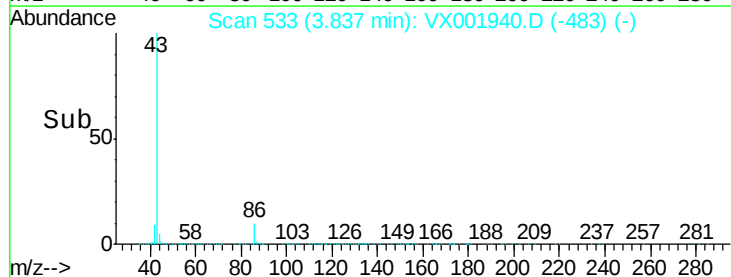
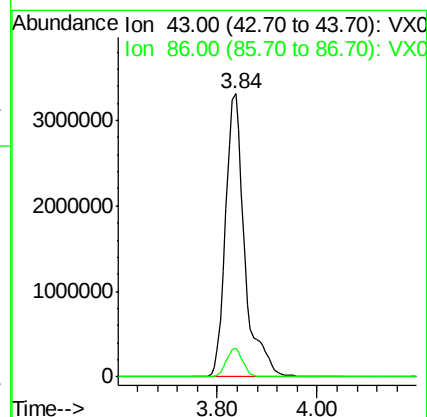
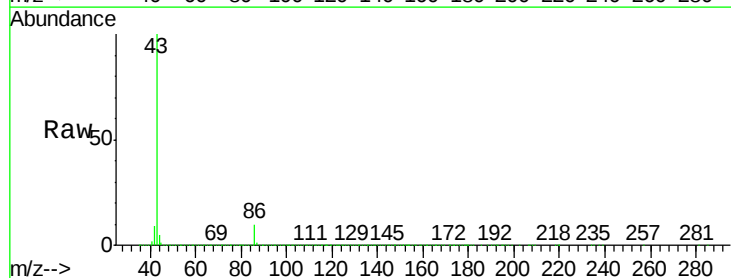
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 5/25/2018 2:25:52 PM

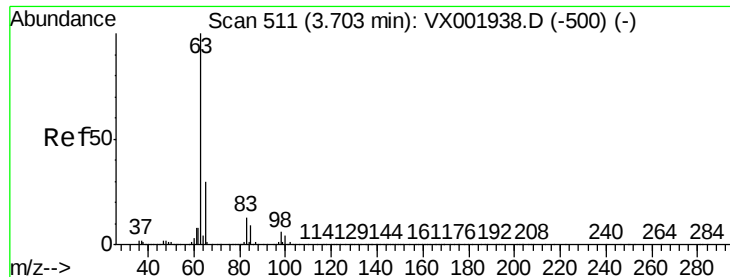


#23

Vinyl Acetate
 Concen: 657.29 ug/l
 RT: 3.84 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	10.0	7.6	11.4	





#24

1,1-Dichloroethane

Concen: 139.56 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

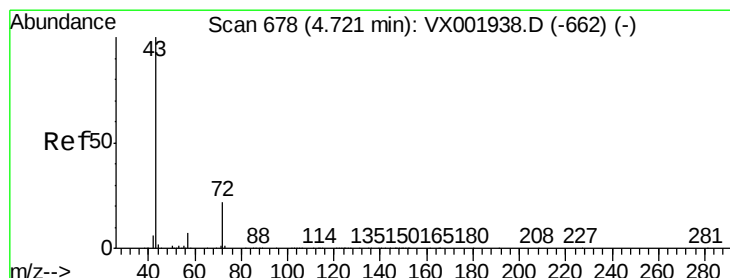
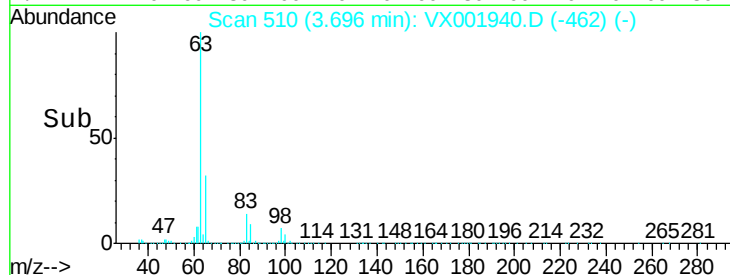
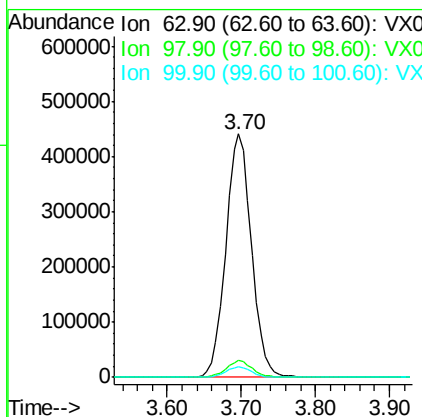
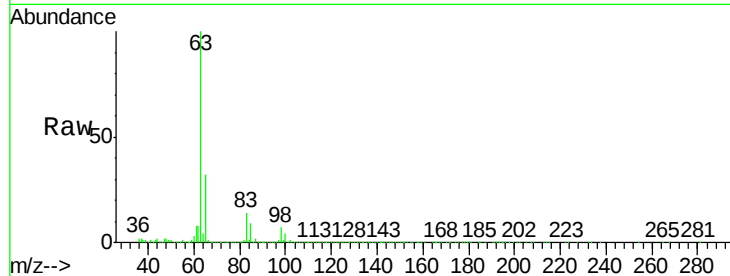
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.8
100	4.2	2.1	6.5

Manual Integrations
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#25

2-Butanone

Concen: 706.51 ug/l

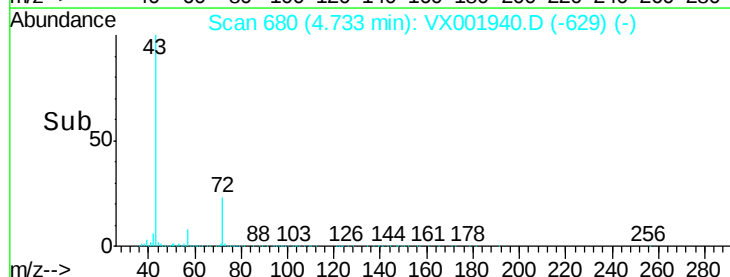
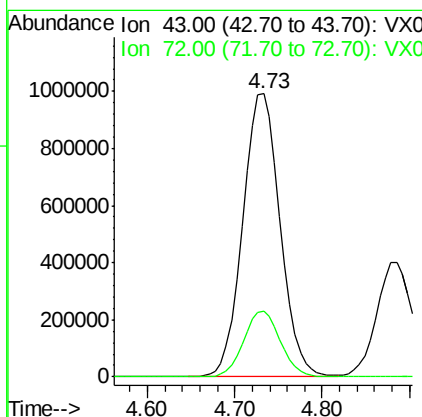
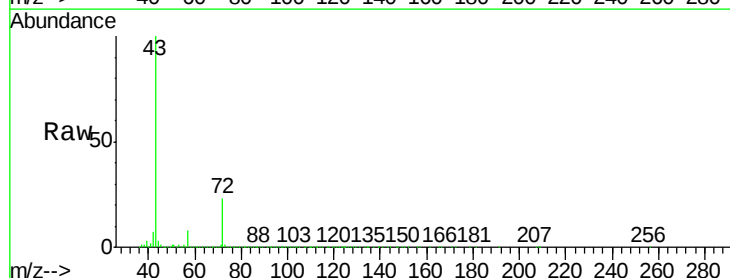
RT: 4.73 min Scan# 680

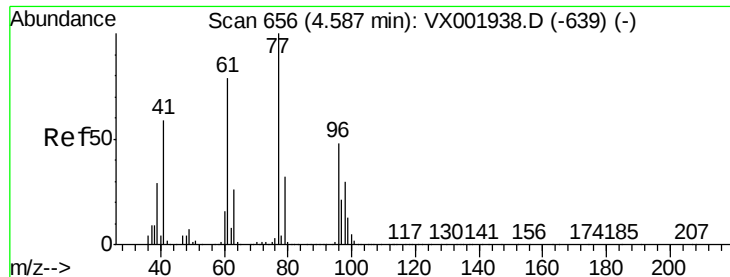
Delta R.T. 0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.2	17.9	26.9





#26

2,2-Dichloropropane

Concen: 134.57 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 77 Resp: 1008870

Ion Ratio Lower Upper

77 100

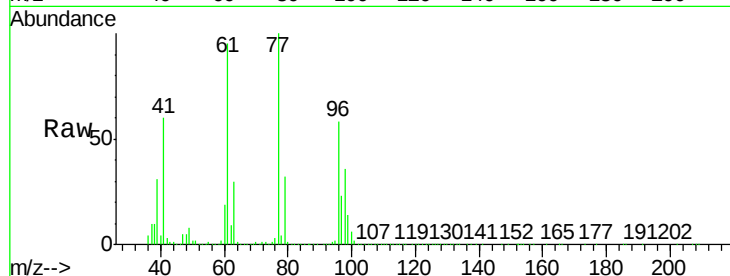
97 22.3 11.2 33.5

Manual Integrations

APPROVED

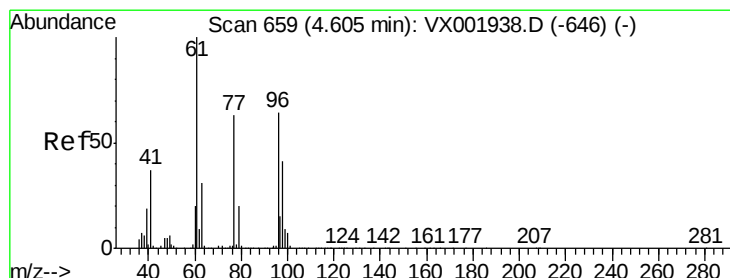
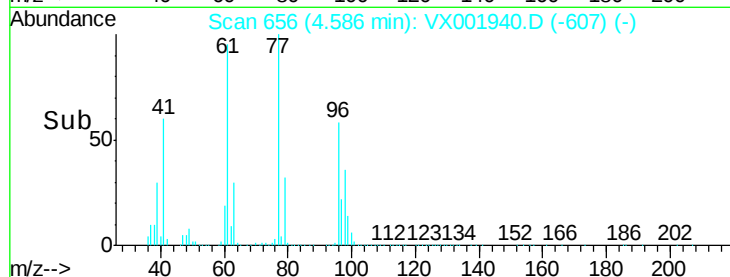
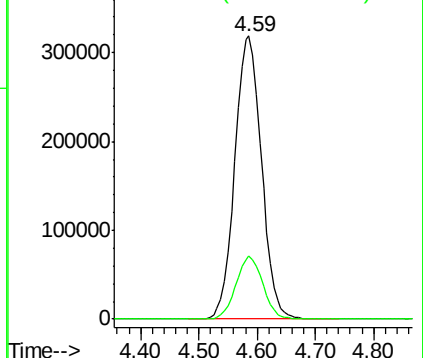
MMDadoda

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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: 141.39 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

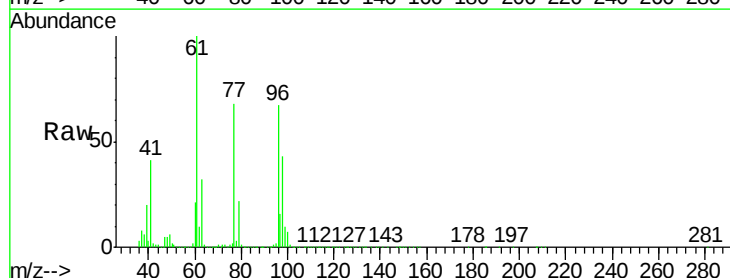
Tgt Ion: 96 Resp: 686512

Ion Ratio Lower Upper

96 100

61 155.4 0.0 348.4

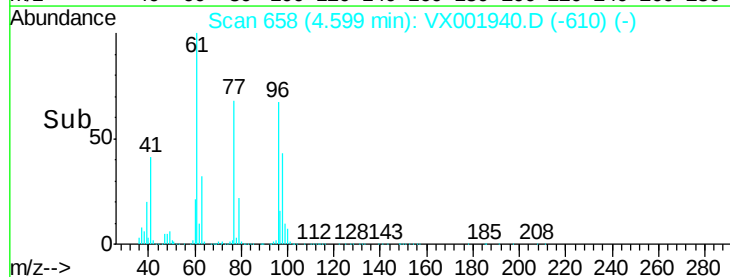
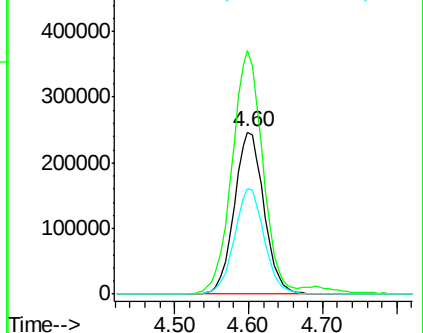
98 65.2 0.0 128.6

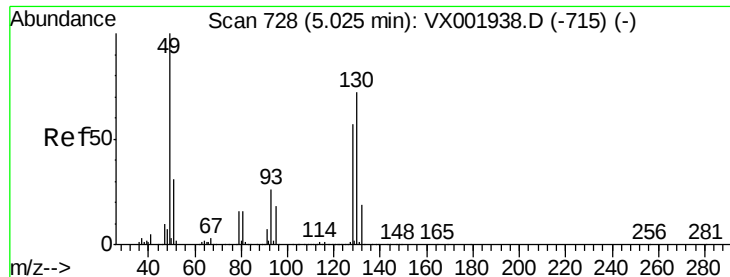


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: 135.56 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

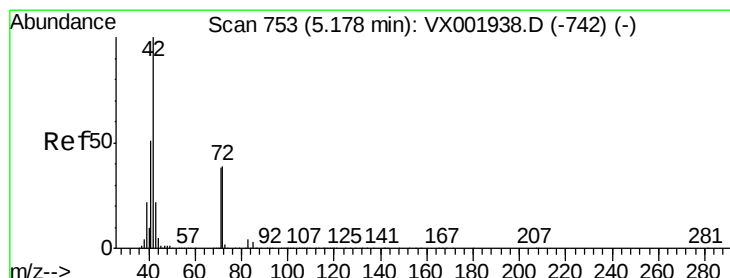
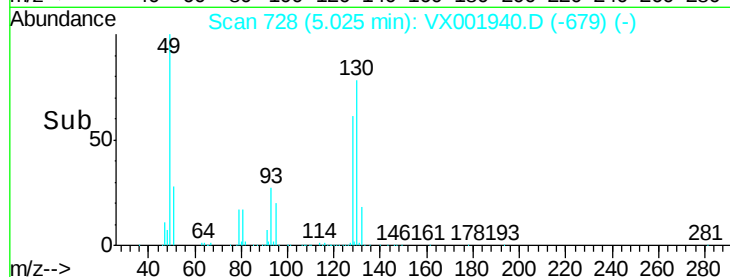
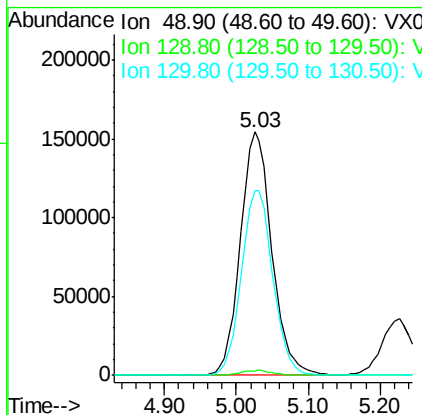
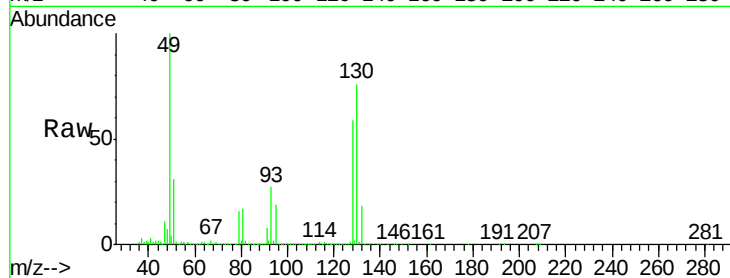
ClientSampleId :

VSTDIC150

Tot Ion:	49	Resp:	466892
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	76.2	59.4	89.2

Manual Integrations
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#29

Tetrahydrofuran

Concen: 701.14 ug/l

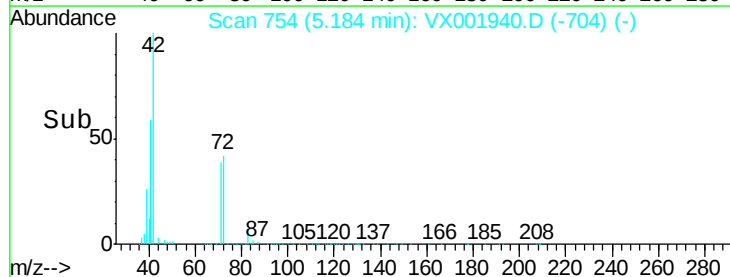
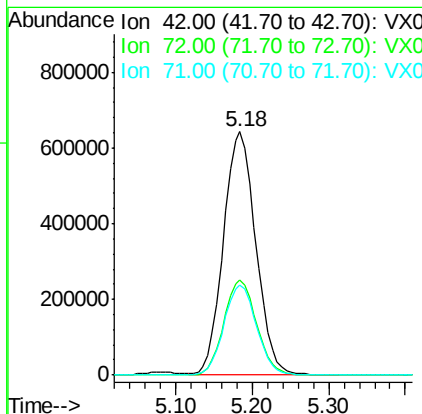
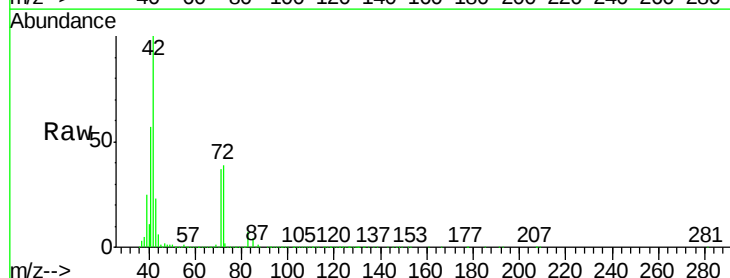
RT: 5.18 min Scan# 754

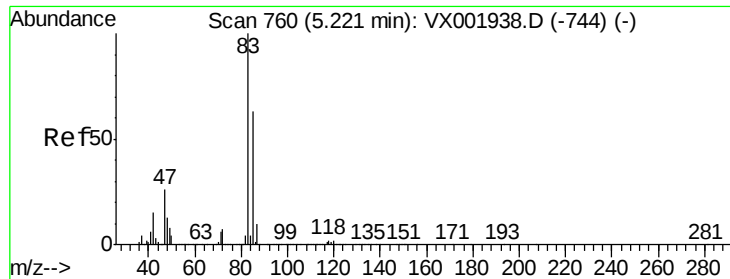
Delta R.T. 0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Tgt Ion:	42	Resp:	1874450
Ion Ratio	Lower	Upper	
42	100		
72	39.7	31.4	47.0
71	37.4	29.5	44.3





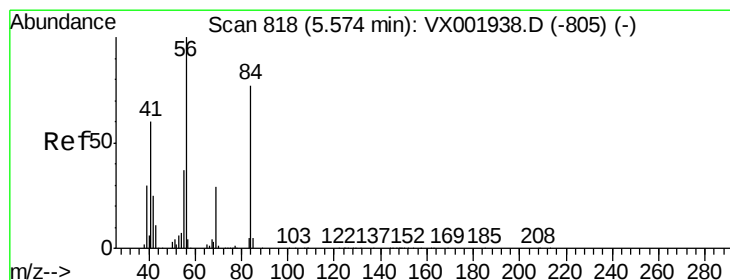
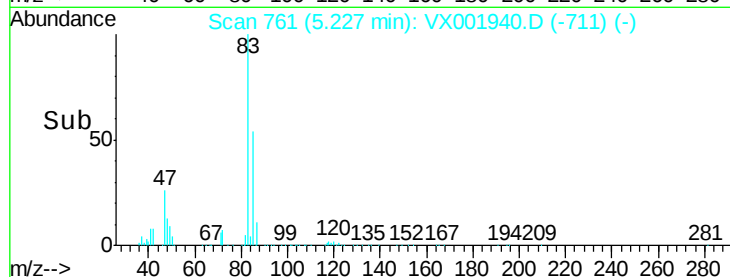
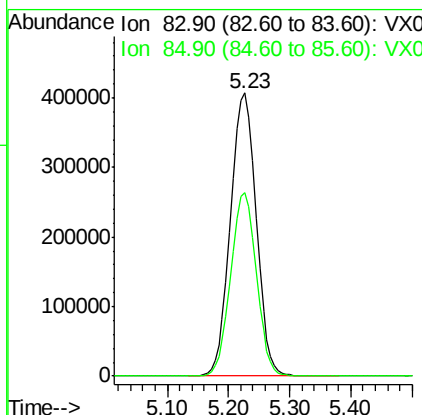
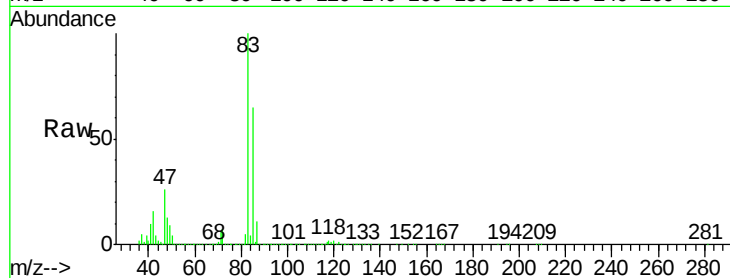
#30
Chloroform
Concen: 140.92 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1178764
Ion Ratio Lower Upper
83 100
85 64.8 50.9 76.3

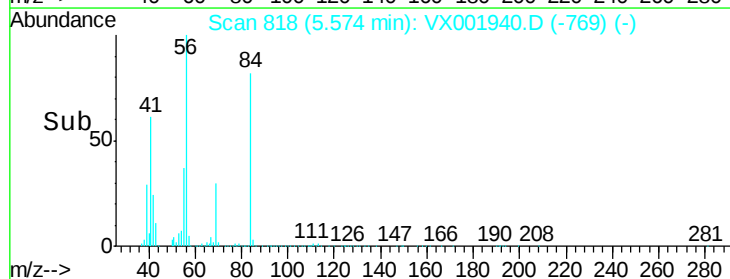
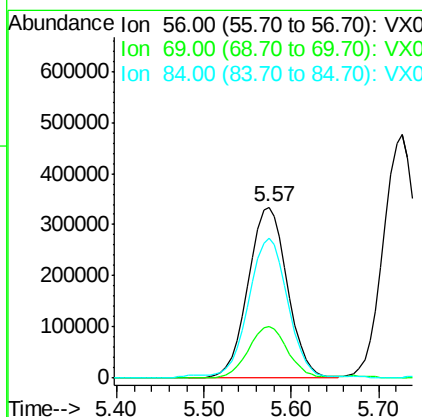
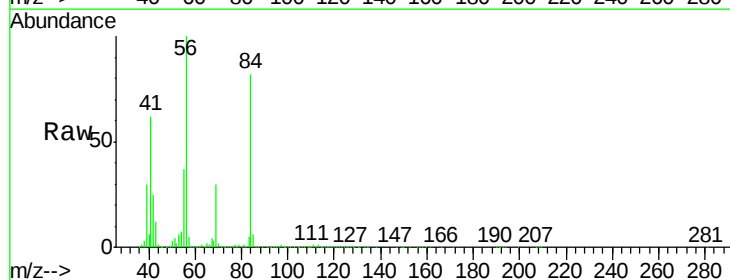
Manual Integrations
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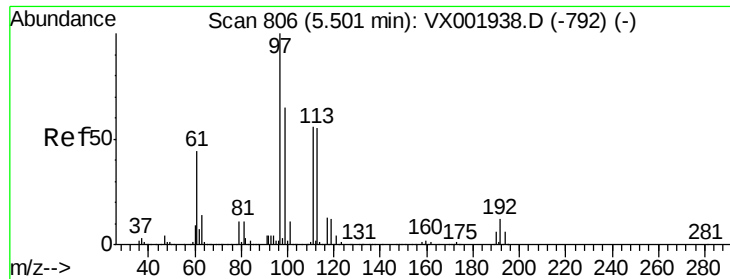
MMDadoda
5/25/2018 2:25:52 PM



#31
Cyclohexane
Concen: 134.44 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion: 56 Resp: 1039802
Ion Ratio Lower Upper
56 100
69 30.3 23.1 34.7
84 81.5 62.0 93.0





#32

1,1,1-Trichloroethane

Concen: 139.65 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 1106099

Ion Ratio Lower Upper

97 100

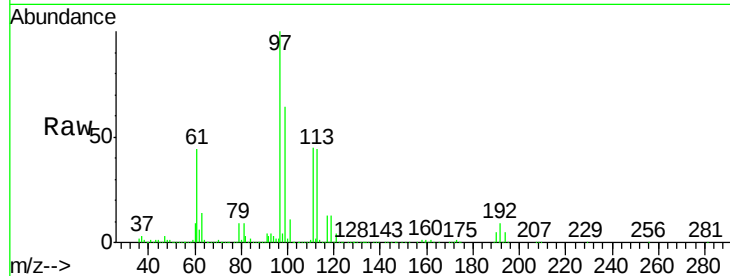
99 64.2 51.9 77.9

61 44.2 35.9 53.9

Manual Integrations
APPROVED

MMDadoda

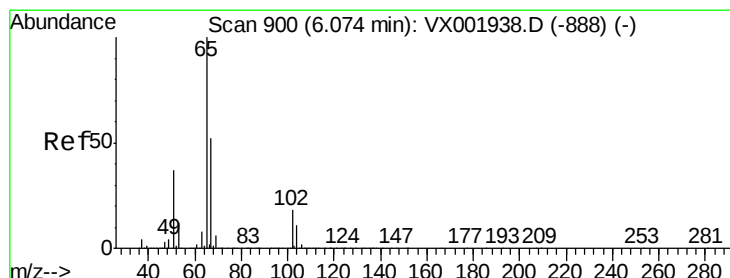
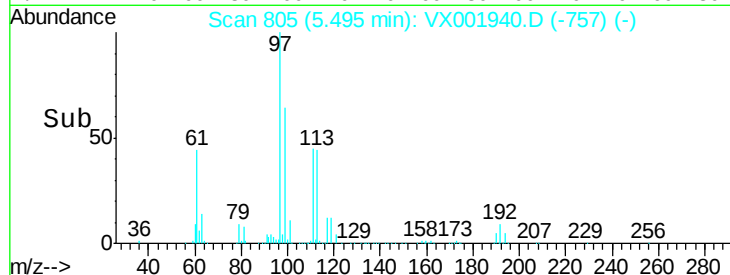
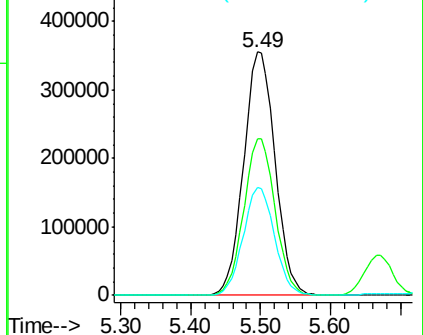
5/25/2018 2:25:52 PM



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 140.57 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001940.D

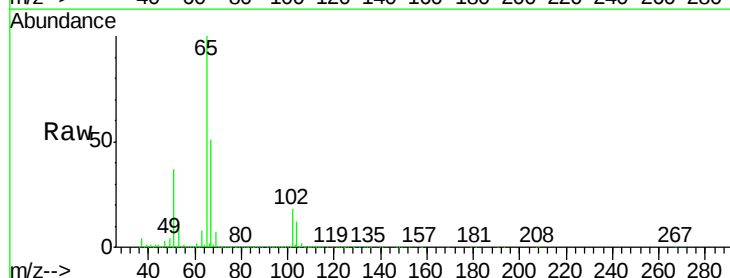
Acq: 24 May 2018 12:39

Tgt Ion: 65 Resp: 815093

Ion Ratio Lower Upper

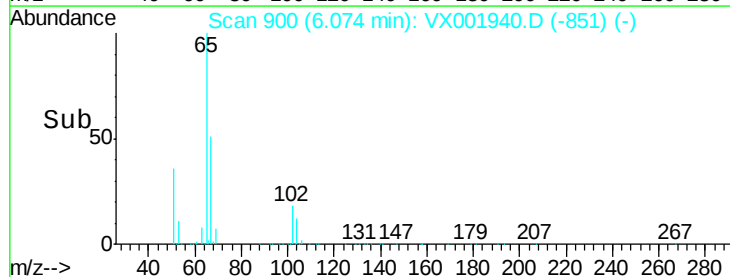
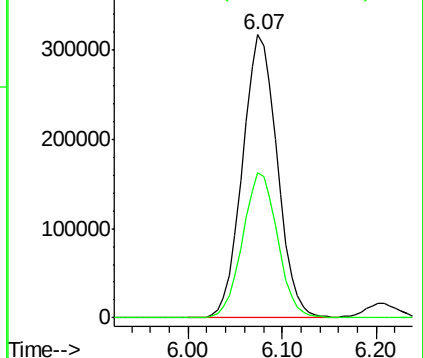
65 100

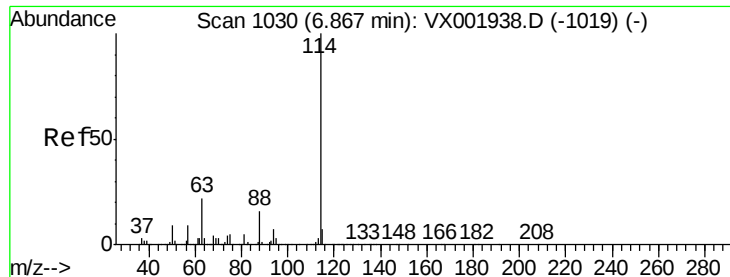
67 51.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





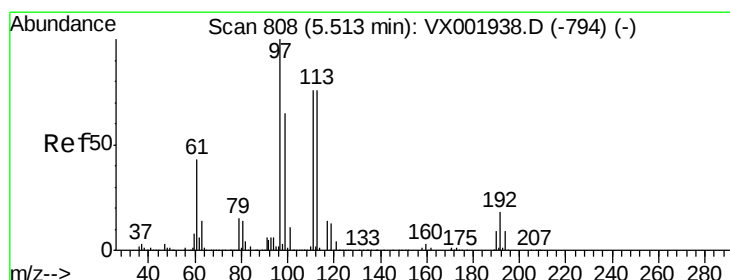
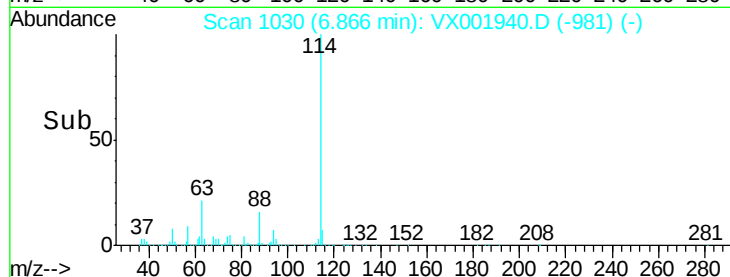
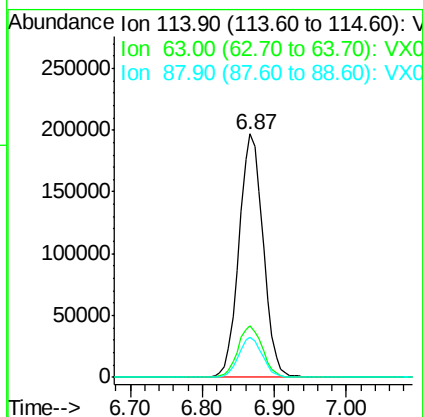
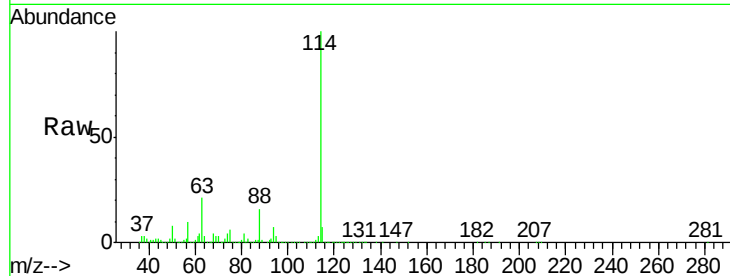
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	21.1	0.0	43.2
88	16.3	0.0	31.6

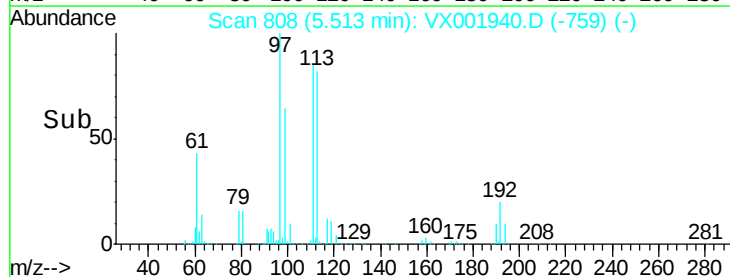
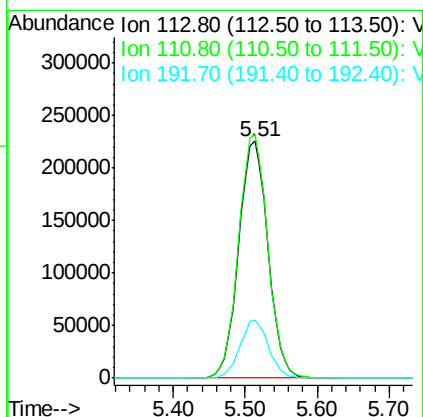
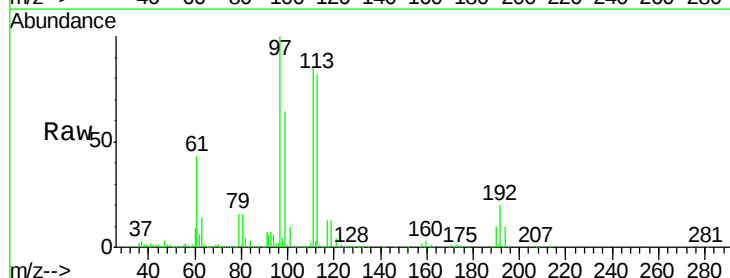
Manual Integrations
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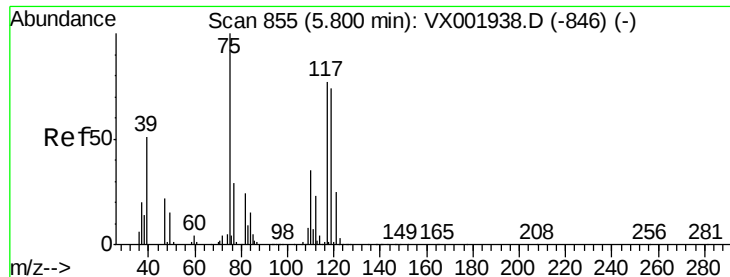
MMDadoda
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#35
Dibromofluoromethane
Concen: 142.81 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.4	82.0	123.0
192	24.0	18.9	28.3





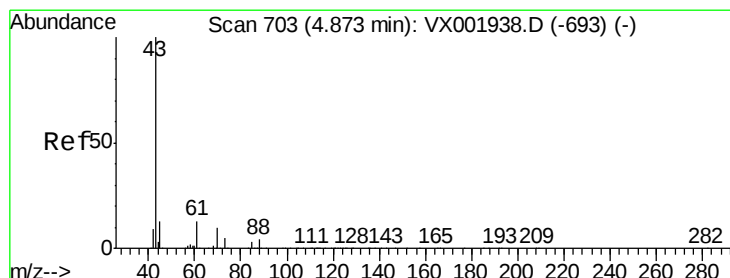
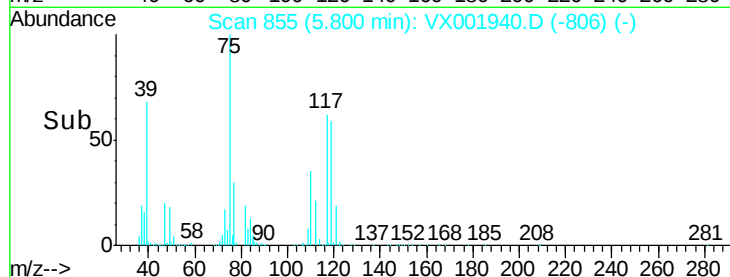
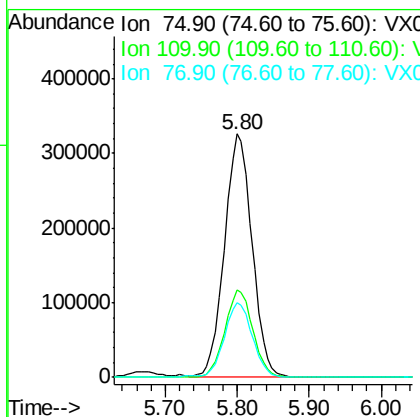
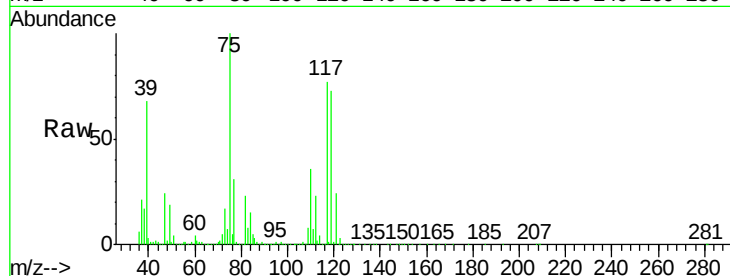
#36
 1,1-Dichloropropene
 Concen: 142.43 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.4	52.2
77	31.1	24.4	36.6

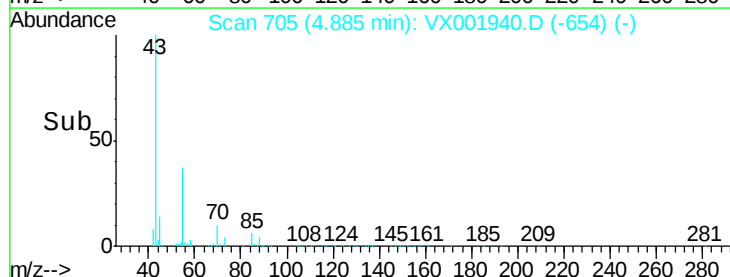
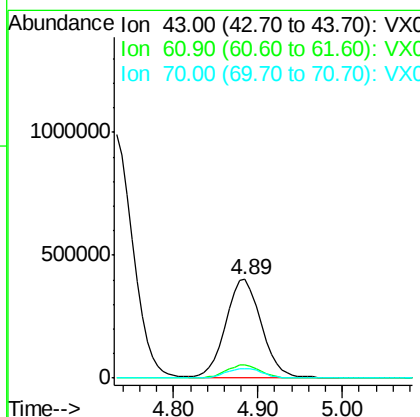
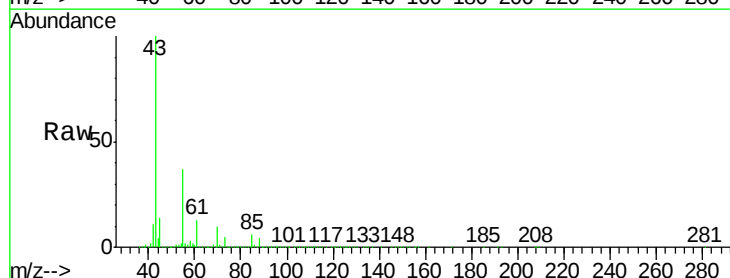
Manual Integrations
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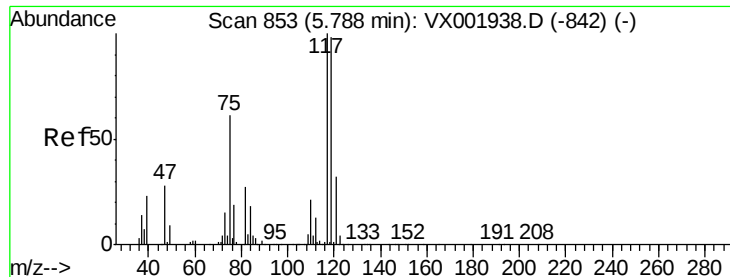
MMDadoda
 5/25/2018 2:25:52 PM



#37
 Ethyl Acetate
 Concen: 141.23 ug/l
 RT: 4.89 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	10.0	7.8	11.8





#38

Carbon Tetrachloride

Concen: 142.36 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:117 Resp: 1013692

Ion Ratio Lower Upper

117 100

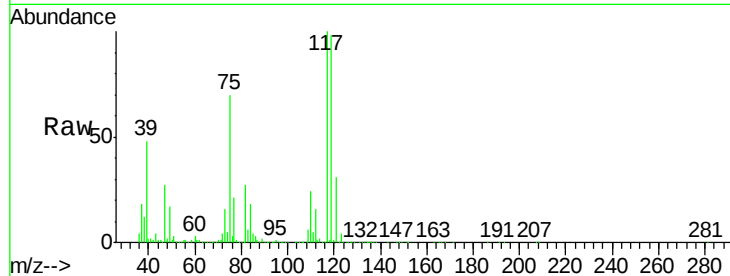
119 97.5 78.5 117.7

121 30.8 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

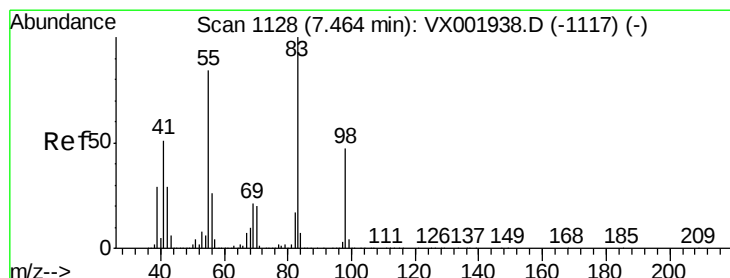
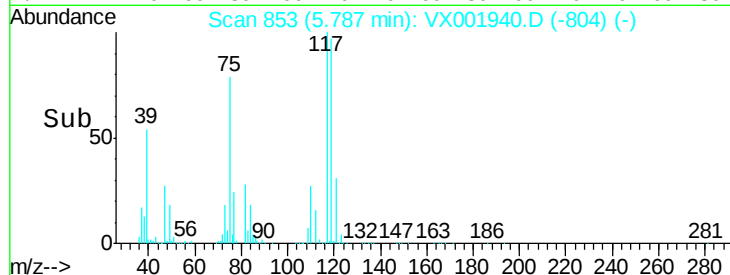
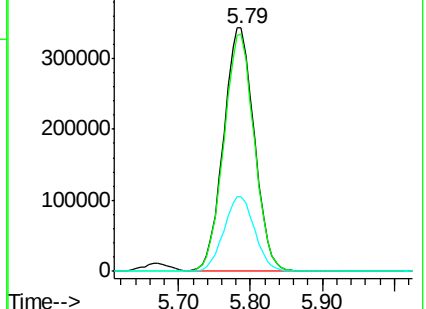
5/25/2018 2:25:52 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 139.52 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

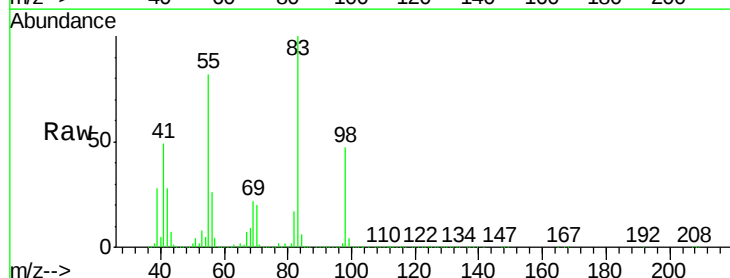
Tgt Ion: 83 Resp: 1038350

Ion Ratio Lower Upper

83 100

55 81.8 67.3 100.9

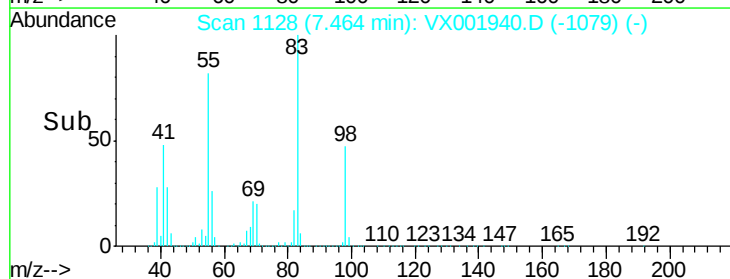
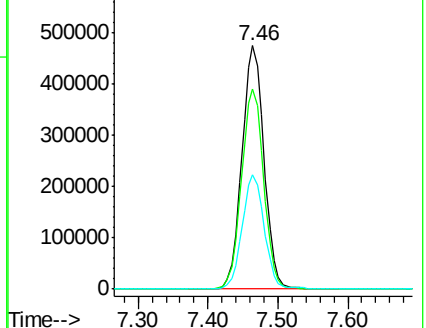
98 46.8 37.5 56.3

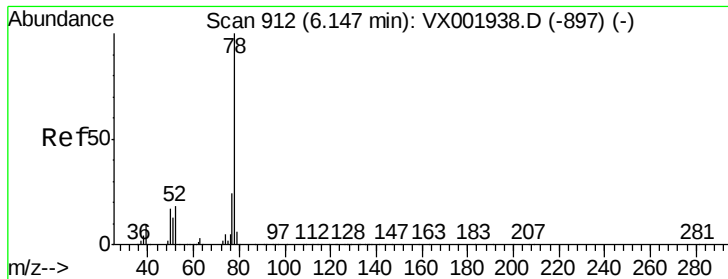


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 140.69 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 78 Resp: 2553185

Ion Ratio Lower Upper

78 100

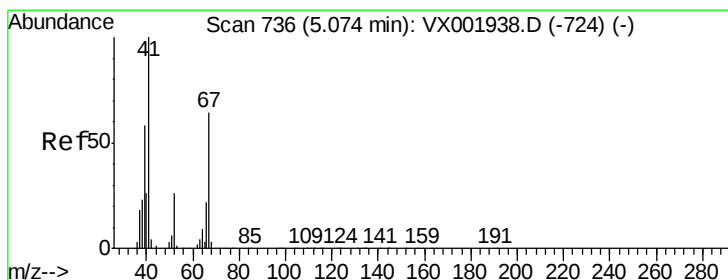
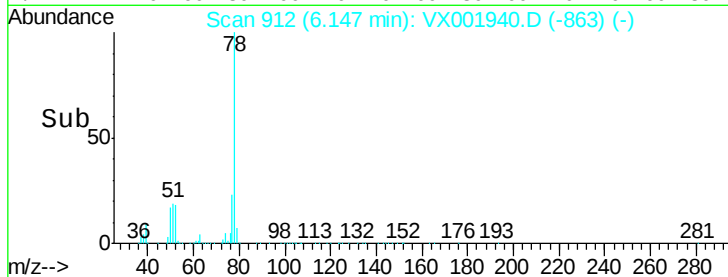
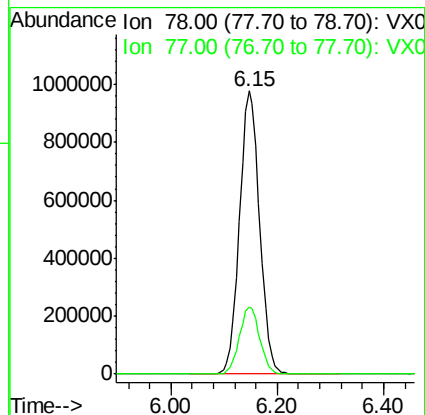
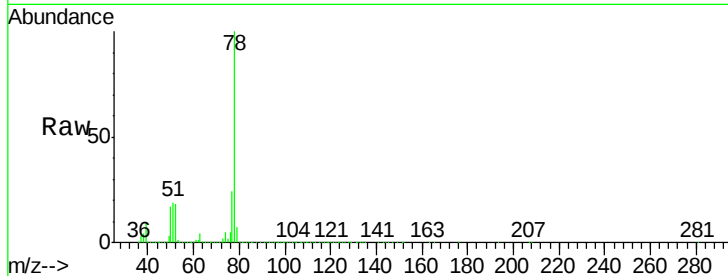
77 23.5 19.1 28.7

Manual Integrations

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#41

Methacrylonitrile

Concen: 143.13 ug/l

RT: 5.08 min Scan# 737

Delta R.T. 0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Tgt Ion: 41 Resp: 642739

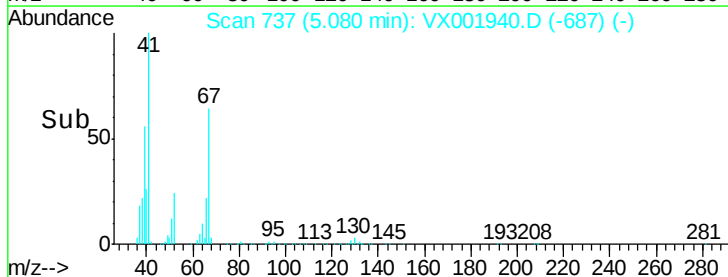
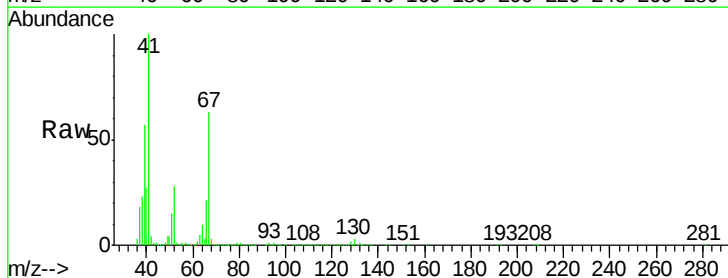
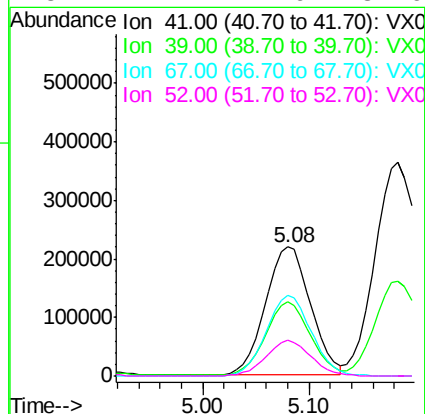
Ion Ratio Lower Upper

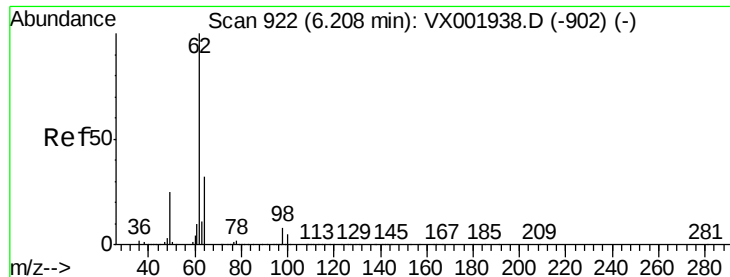
41 100

39 56.5 46.0 69.0

67 62.9 50.6 75.8

52 27.4 21.9 32.9





#42

1,2-Dichloroethane

Concen: 141.46 ug/l

RT: 6.21 min Scan# 922

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Tot Ion: 62 Resp: 1002160

Ion Ratio Lower Upper

62 100

98 8.1 0.0 17.0

Instrument :

MSVOA_X

ClientSampleId :

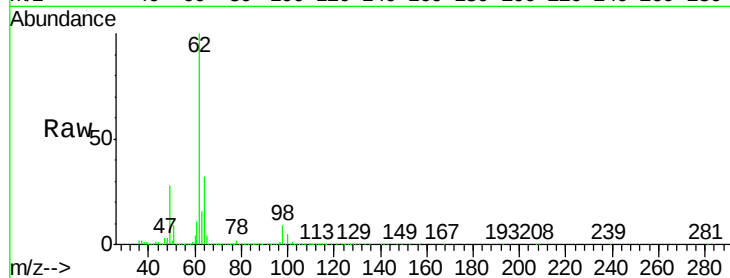
VSTDIC150

Manual Integrations

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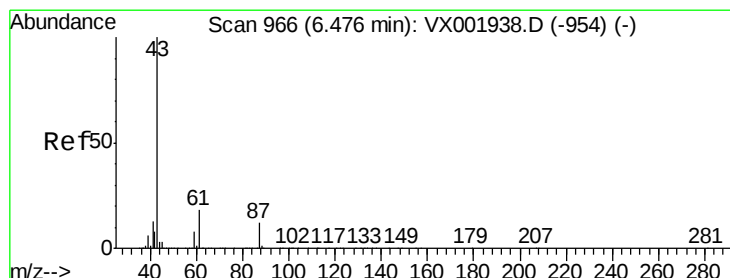
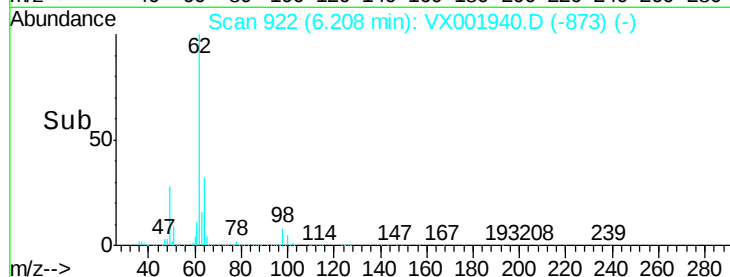
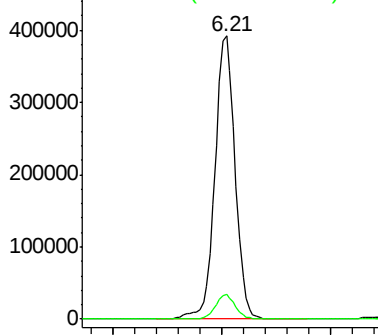
MMDadoda

5/25/2018 2:25:52 PM



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 143.95 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

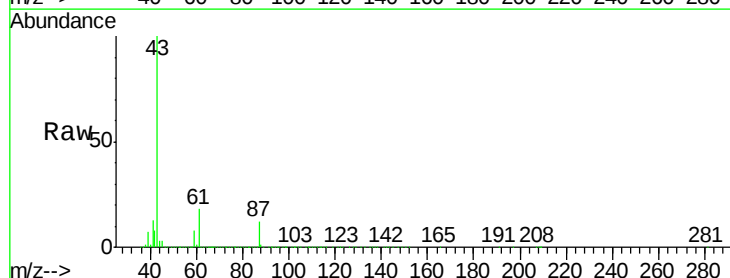
Tgt Ion: 43 Resp: 1947547

Ion Ratio Lower Upper

43 100

61 18.2 14.5 21.7

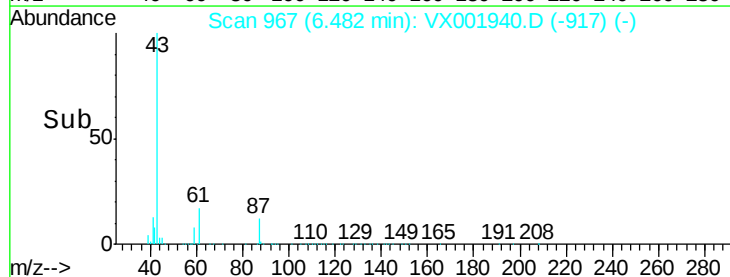
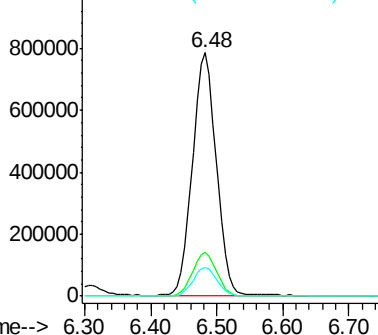
87 11.9 9.5 14.3

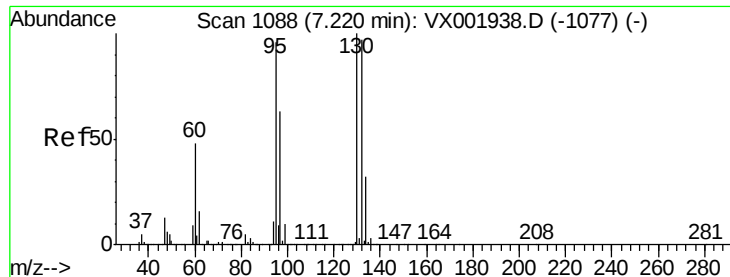


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





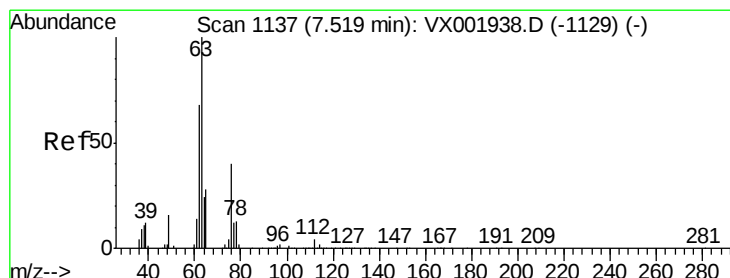
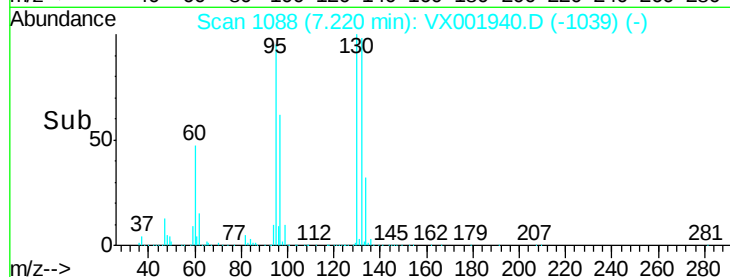
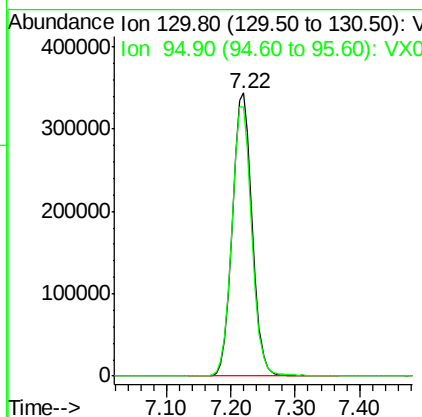
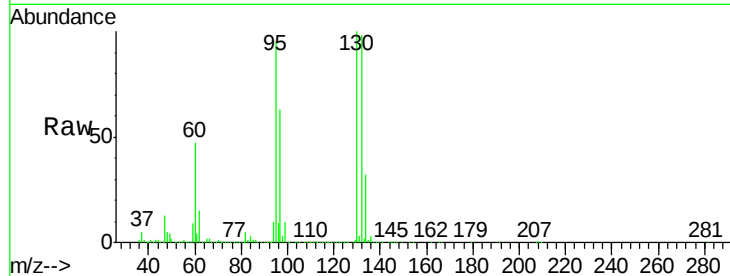
#44
 Trichloroethene
 Concen: 141.50 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
130	100	741476		
95	95.1	0.0	192.0	

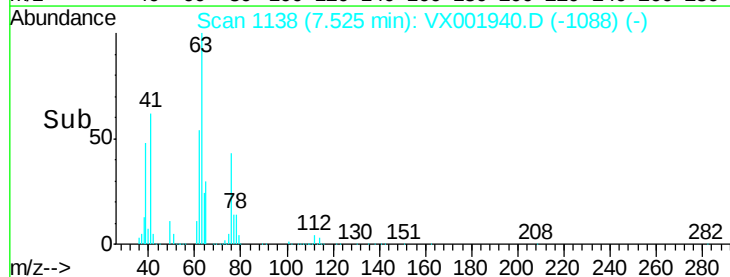
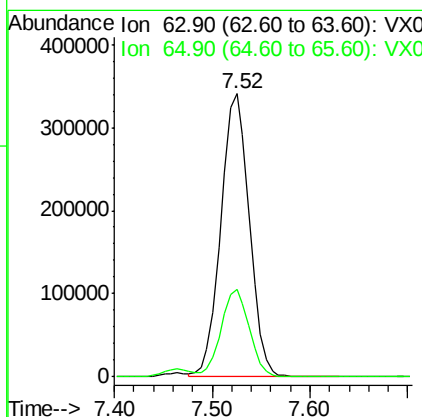
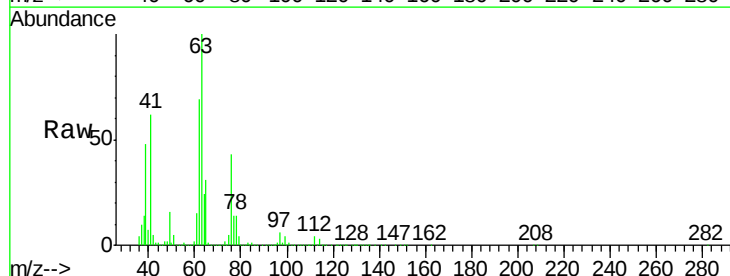
Manual Integrations
 APPROVED

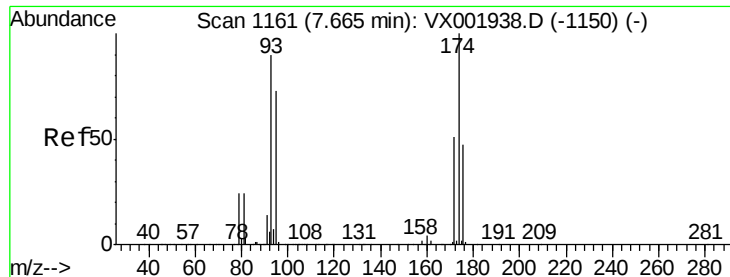
MMDadoda
 5/25/2018 2:25:52 PM



#45
 1,2-Dichloropropane
 Concen: 141.73 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	685578		
65	30.9	24.1	36.1	





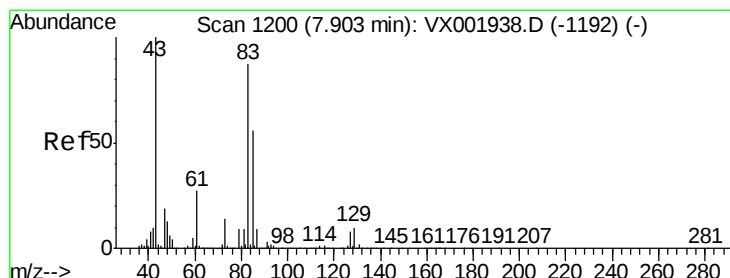
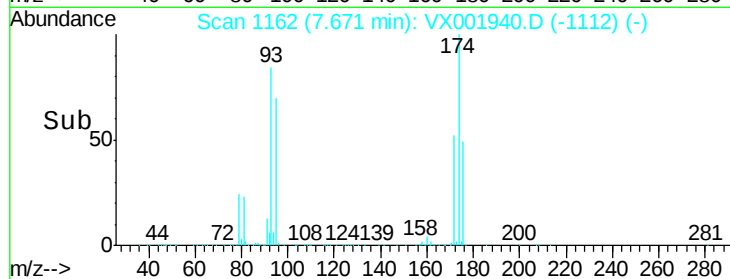
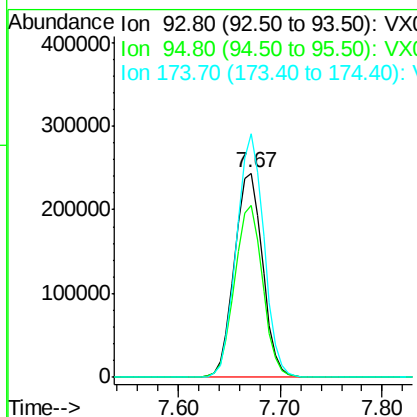
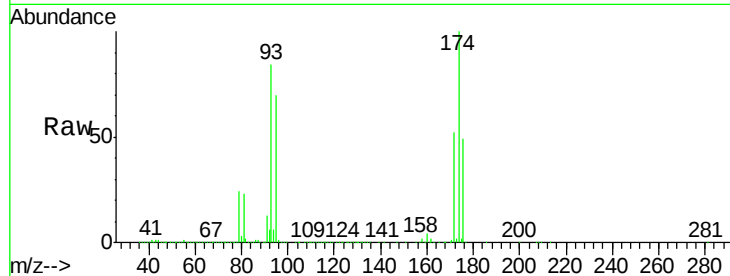
#46
Dibromomethane
Concen: 142.70 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
93	100	465842		
95	83.4	66.1	99.1	
174	116.1	92.5	138.7	

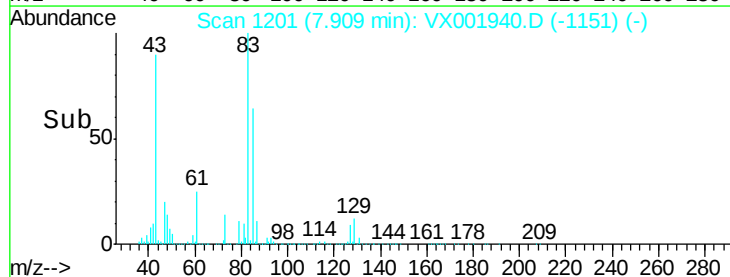
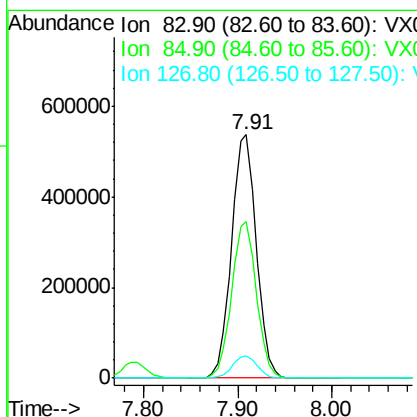
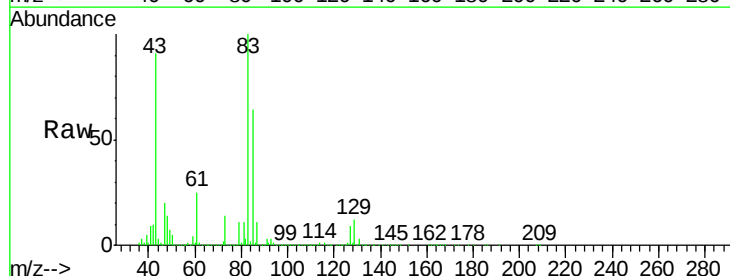
Manual Integrations
APPROVED

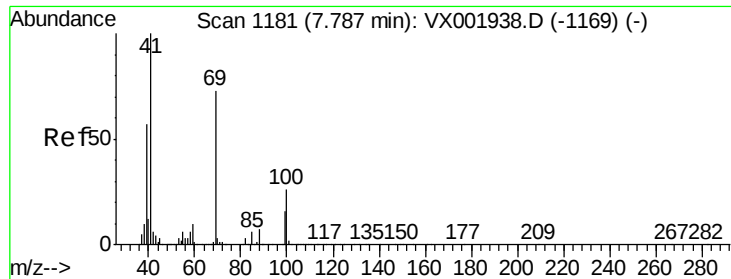
MMDadoda
5/25/2018 2:25:52 PM



#47
Bromodichloromethane
Concen: 142.49 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	977708		
85	64.1	51.4	77.2	
127	9.2	7.1	10.7	





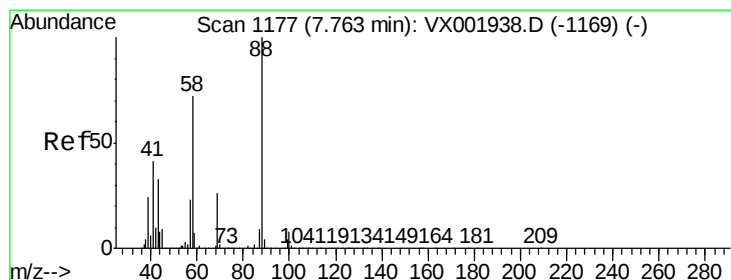
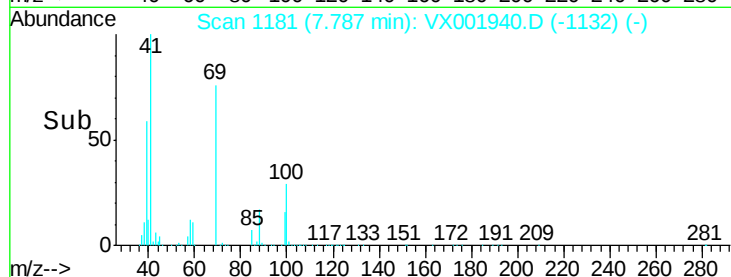
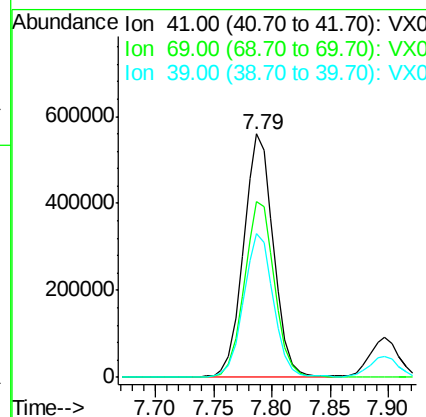
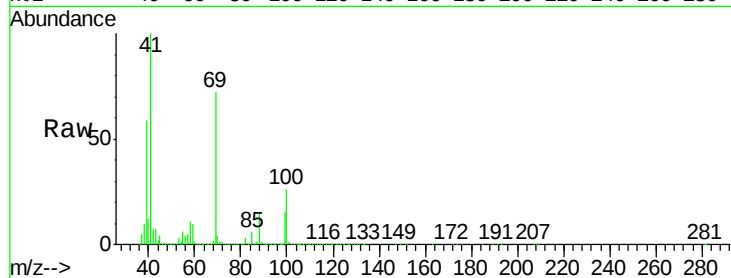
#48
Methvl methacrylate
Concen: 145.39 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		993960		
69	72.8	58.6	87.8		
39	58.8	46.3	69.5		

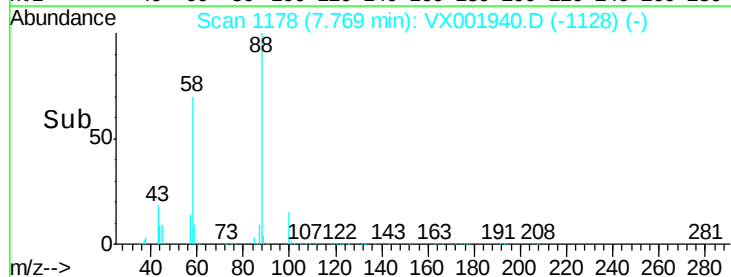
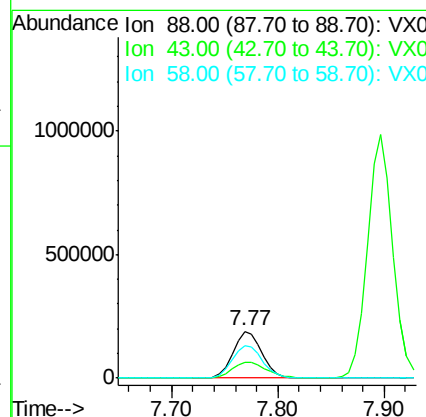
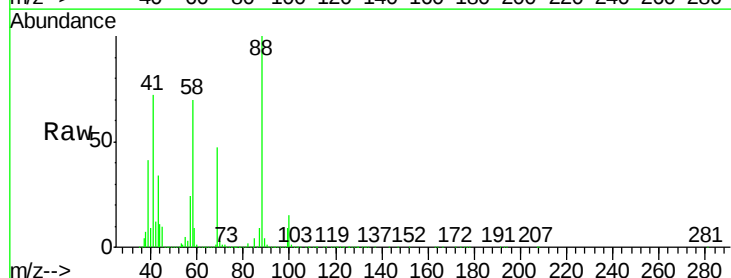
Manual Integrations
APPROVED

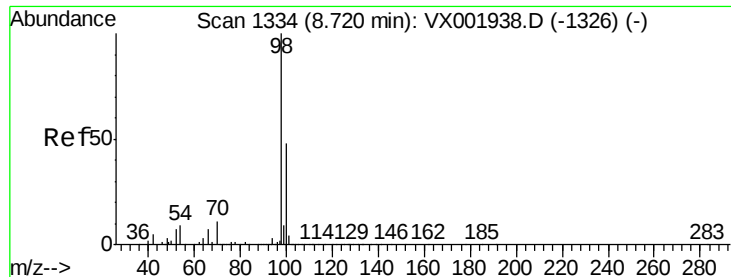
MMDadoda
5/25/2018 2:25:52 PM



#49
1,4-Dioxane
Concen: 2897.58 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
88	100		357086		
43	38.0	29.8	44.8		
58	73.2	58.7	88.1		





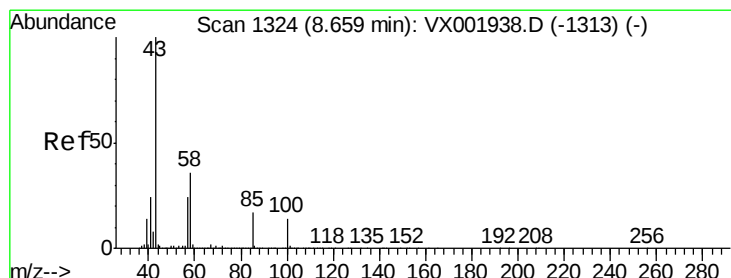
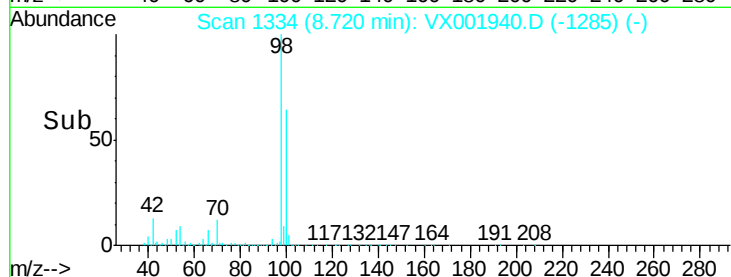
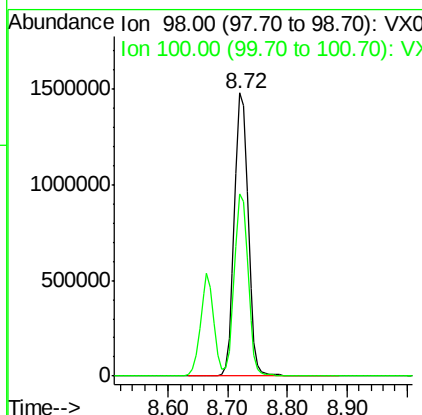
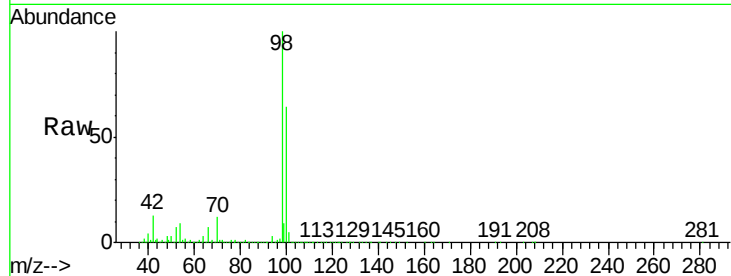
#50
Toluene-d8
Concen: 144.51 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 2379318
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3

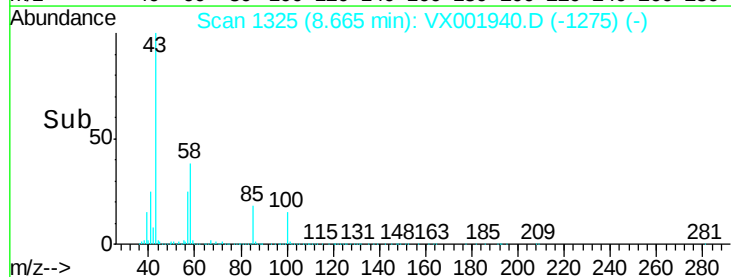
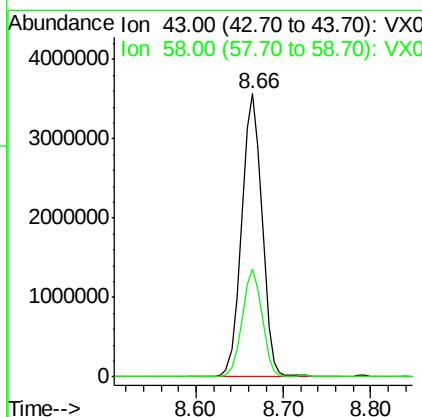
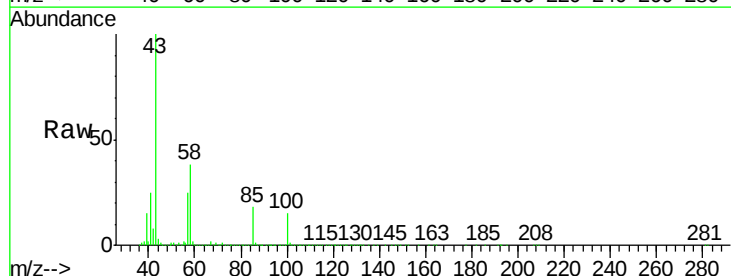
Manual Integrations
APPROVED

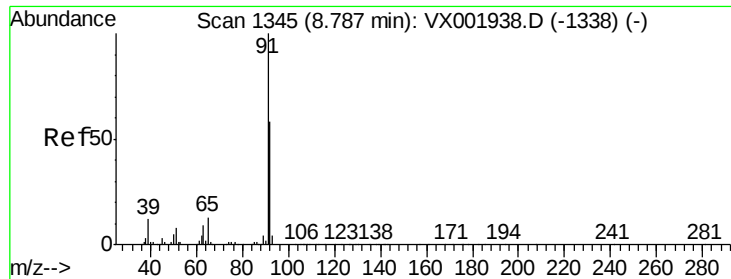
MMDadoda
5/25/2018 2:25:52 PM



#51
4-Methyl-2-Pentanone
Concen: 705.03 ug/l
RT: 8.66 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion: 43 Resp: 5768707
Ion Ratio Lower Upper
43 100
58 37.1 28.5 42.7





#52

Toluene

Concen: 144.43 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 92 Resp: 1656166

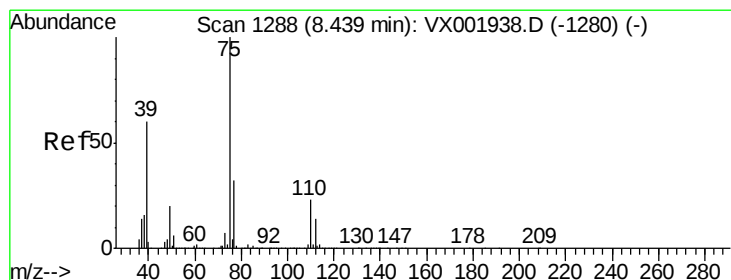
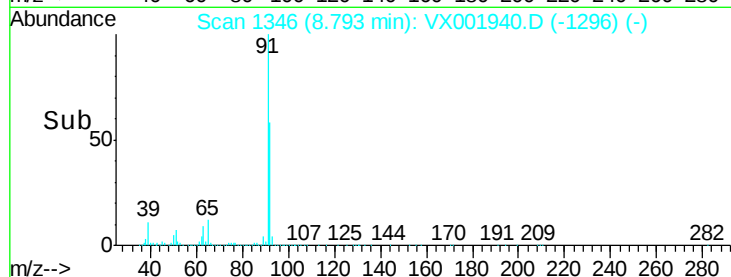
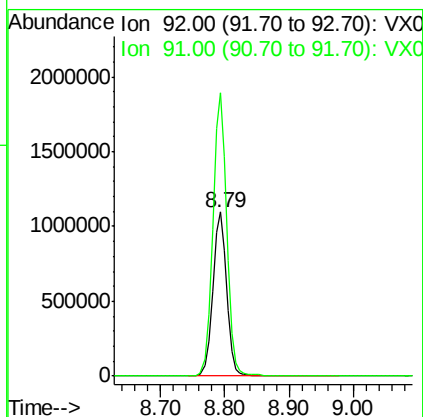
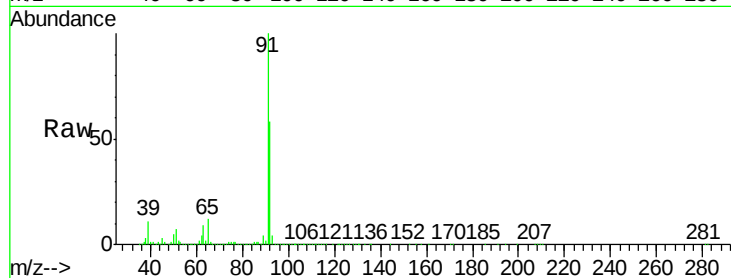
Ion Ratio Lower Upper

92 100

91 172.7 139.4 209.2

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:52 PM



#53

t-1,3-Dichloropropene

Concen: 143.03 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX001940.D

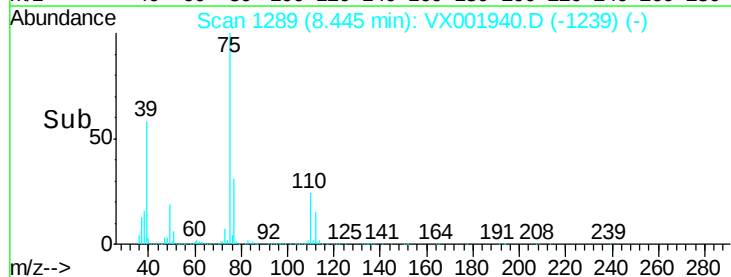
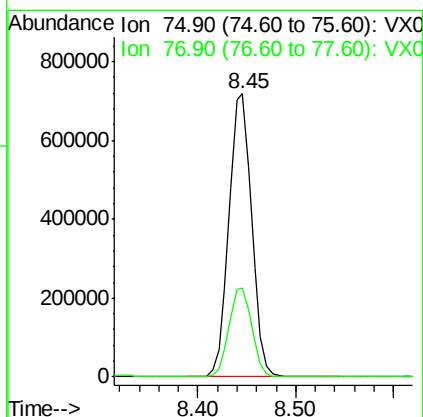
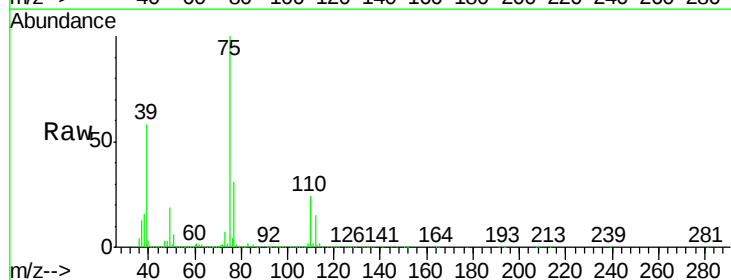
Acq: 24 May 2018 12:39

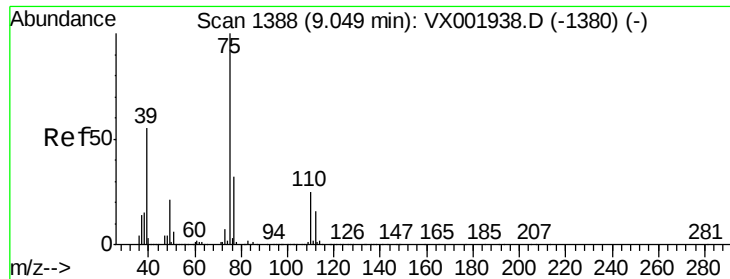
Tgt Ion: 75 Resp: 1159297

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3





#54

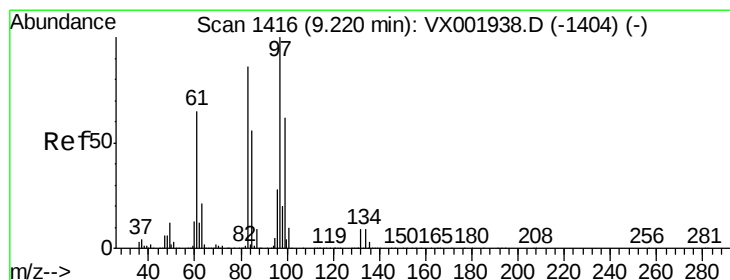
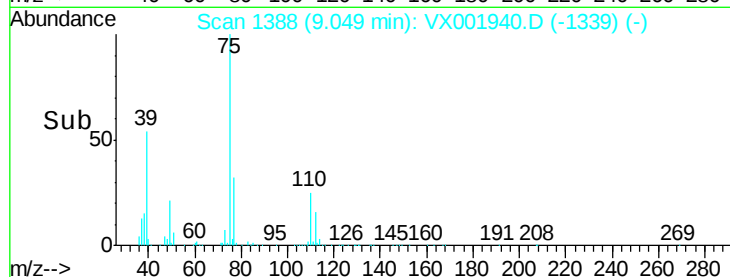
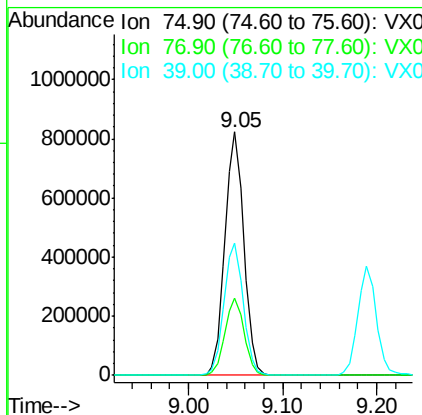
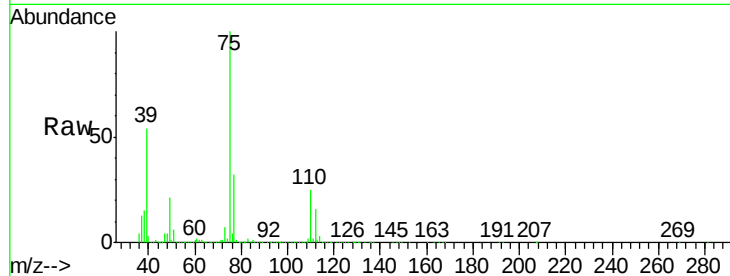
cis-1,3-Dichloropropene
Concen: 146.99 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	54.2	44.1	66.1

Manual Integrations
APPROVED

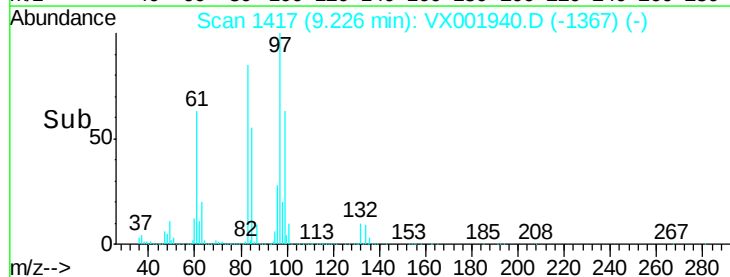
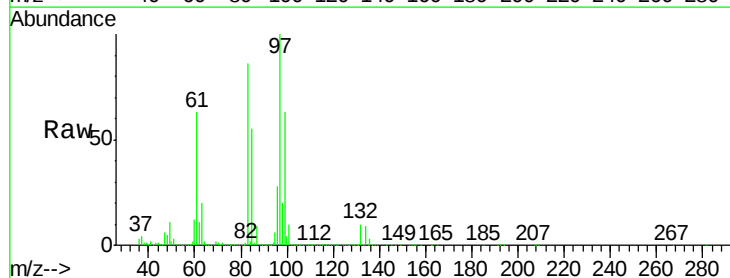
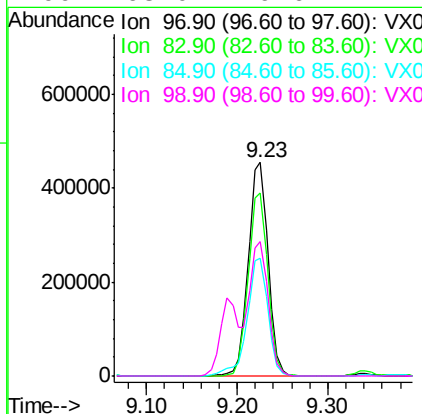
MMDadoda
5/25/2018 2:25:52 PM

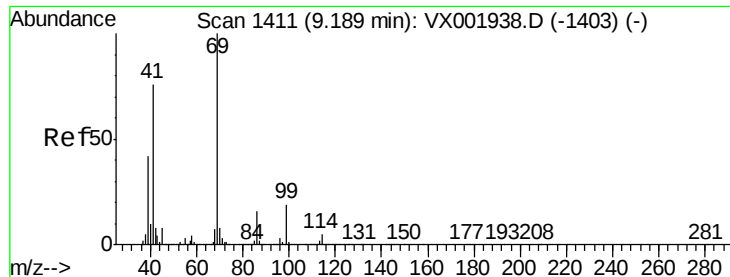


#55

1,1,2-Trichloroethane
Concen: 145.53 ug/l
RT: 9.23 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.1	103.7
85	55.0	45.2	67.8
99	63.0	49.6	74.4





#56

Ethyl methacrylate

Concen: 147.55 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 69 Resp: 1193398

Ion Ratio Lower Upper

69 100

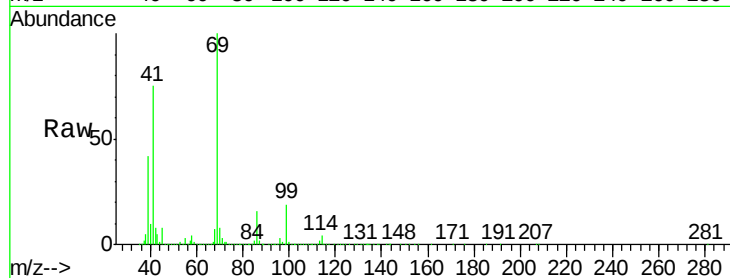
41 75.5 61.0 91.6

39 42.3 34.4 51.6

Manual Integrations
APPROVED

MMDadoda

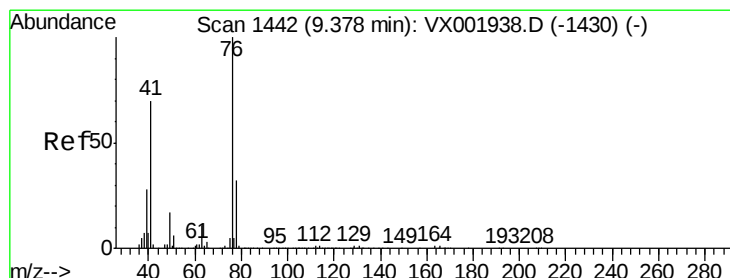
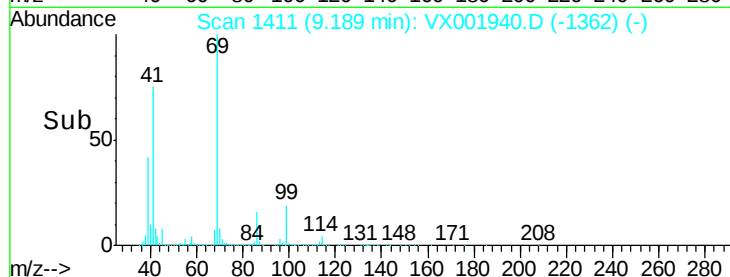
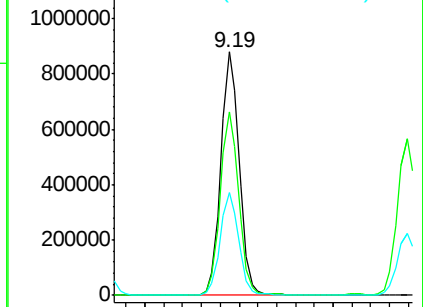
5/25/2018 2:25:52 PM



Abundance Ion 69.00 (68.70 to 69.70): VX001938.D (-1403) (-)

Ion 41.00 (40.70 to 41.70): VX001938.D (-1403) (-)

Ion 39.00 (38.70 to 39.70): VX001938.D (-1403) (-)



#57

1,3-Dichloropropane

Concen: 144.67 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001940.D

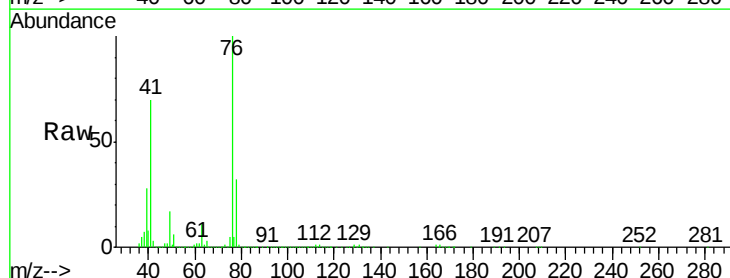
Acq: 24 May 2018 12:39

Tgt Ion: 76 Resp: 1139361

Ion Ratio Lower Upper

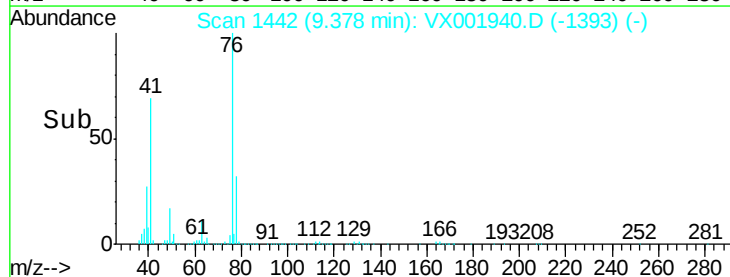
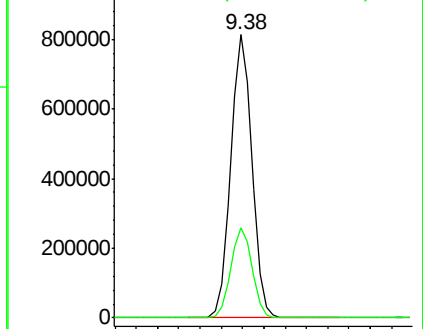
76 100

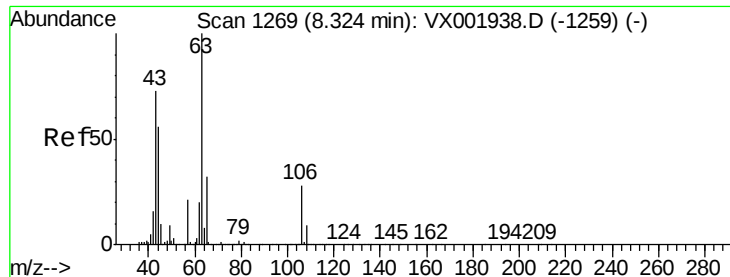
78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX001938.D (-1430) (-)

Ion 77.90 (77.60 to 78.60): VX001938.D (-1430) (-)





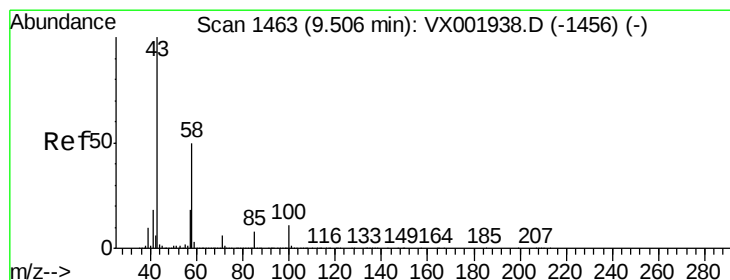
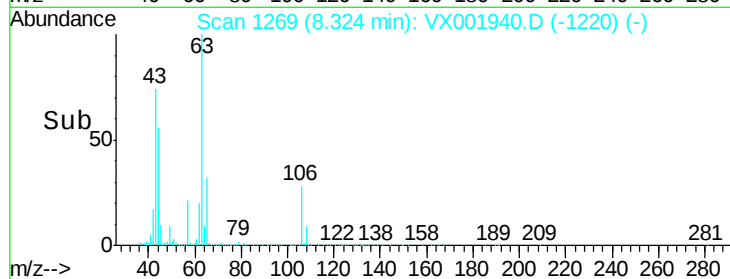
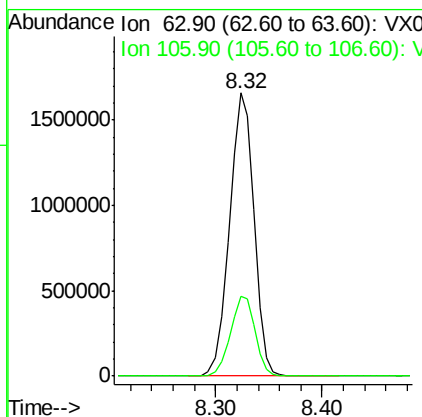
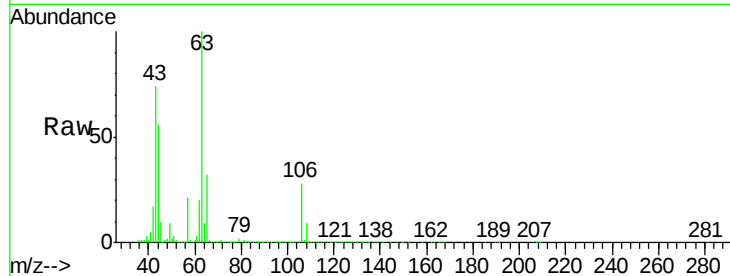
#58
 2-Chloroethyl Vinyl ether
 Concen: 731.09 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 2666533
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.7 32.5

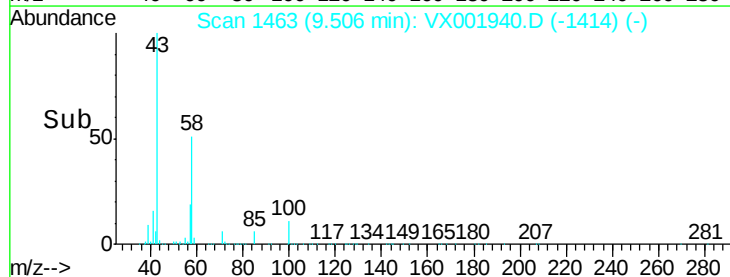
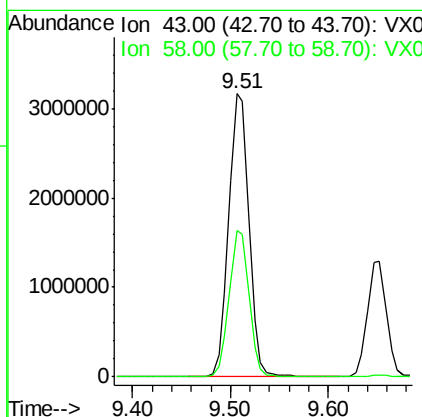
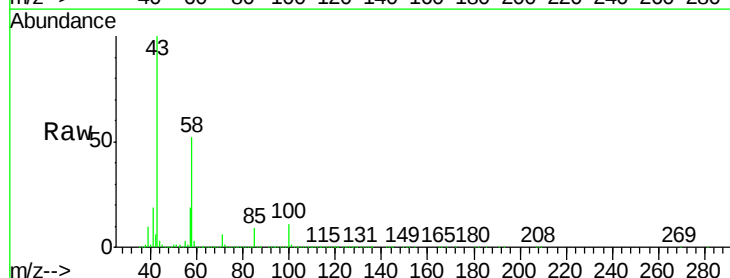
Manual Integrations
 APPROVED

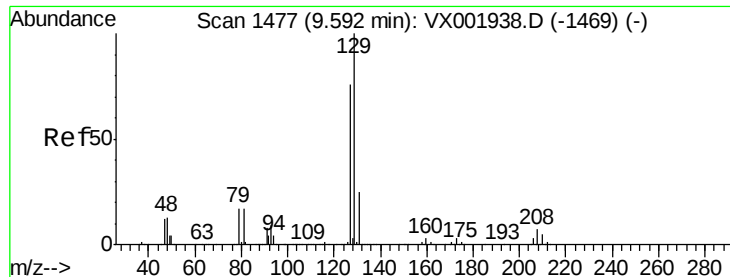
MMDadoda
 5/25/2018 2:25:52 PM



#59
 2-Hexanone
 Concen: 717.52 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Tgt Ion: 43 Resp: 4543685
 Ion Ratio Lower Upper
 43 100
 58 51.1 24.9 74.6





#60

Dibromochloromethane

Concen: 149.84 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 858467

Ion Ratio Lower Upper

129 100

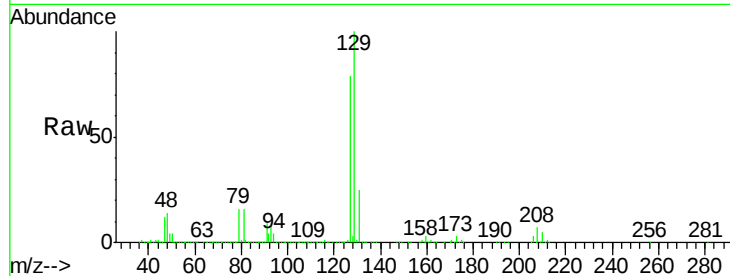
127 77.4 38.3 114.9

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

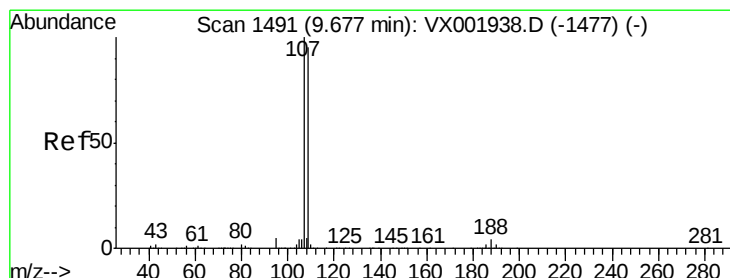
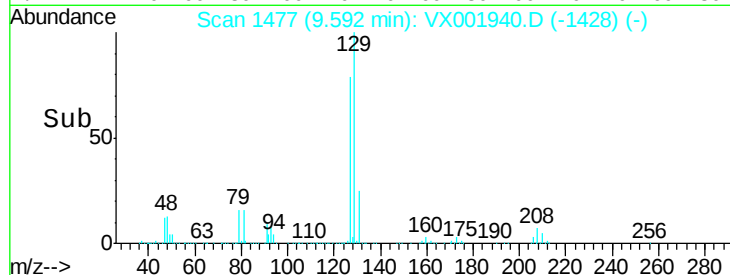
600000

400000

200000

0

Time-->



#61

1,2-Dibromoethane

Concen: 148.50 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001940.D

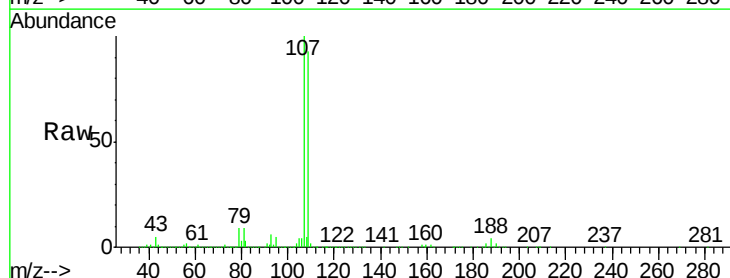
Acq: 24 May 2018 12:39

Tgt Ion:107 Resp: 748337

Ion Ratio Lower Upper

107 100

109 93.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

600000

500000

400000

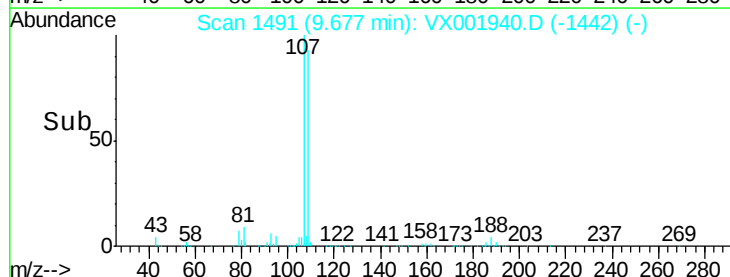
300000

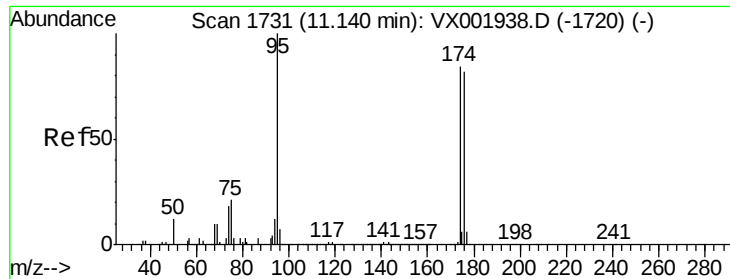
200000

100000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 153.37 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

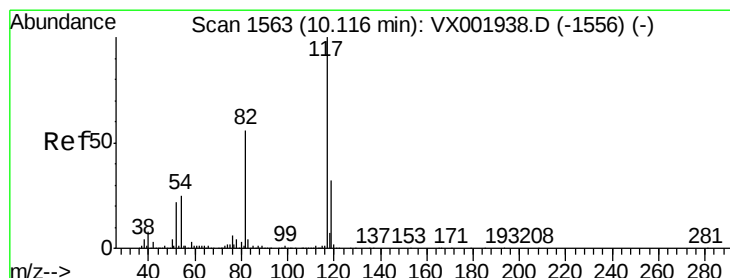
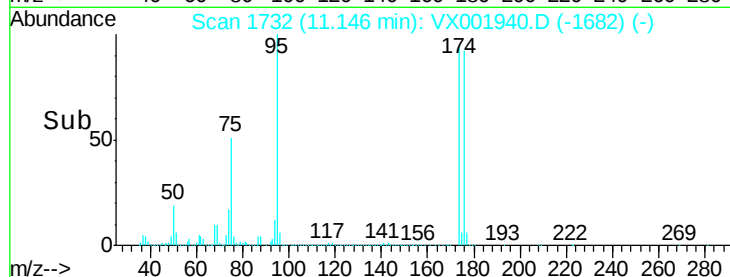
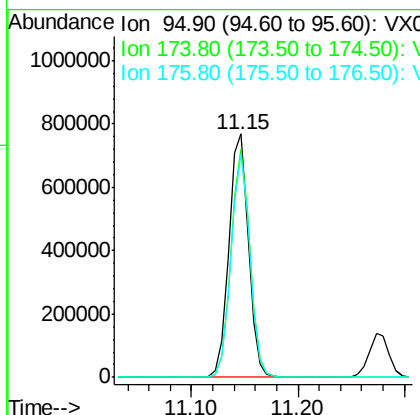
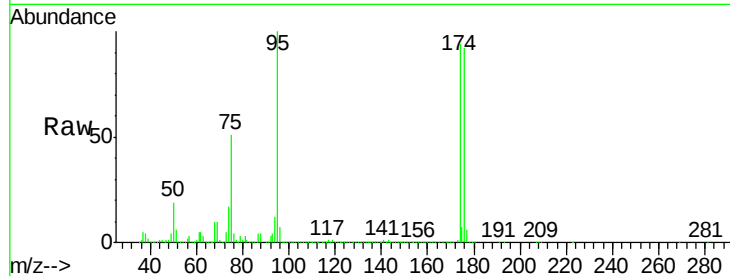
ClientSampleId :

VSTDIC150

Tot Ion:	95	Resp:	988515
Ion Ratio	Lower	Upper	
95	100		
174	91.2	0.0	178.8
176	88.9	0.0	175.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

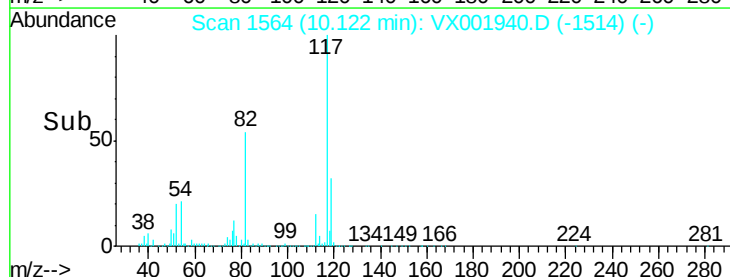
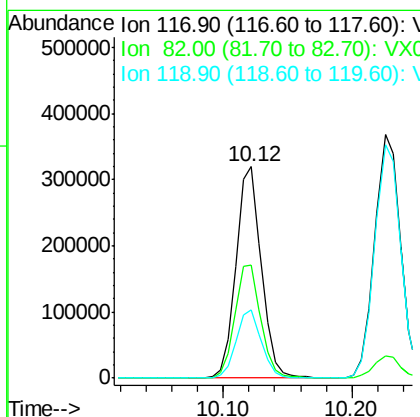
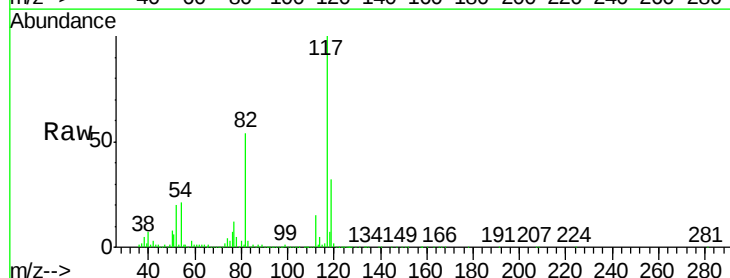
RT: 10.12 min Scan# 1564

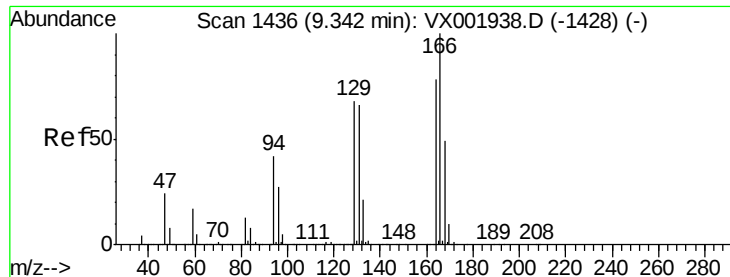
Delta R.T. 0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Tgt Ion:	117	Resp:	437778
Ion Ratio	Lower	Upper	
117	100		
82	53.6	44.8	67.2
119	32.4	25.5	38.3





#64

Tetrachloroethene

Concen: 137.90 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:164 Resp: 830910

Ion Ratio Lower Upper

164 100

166 129.7 102.7 154.1

129 88.7 70.3 105.5

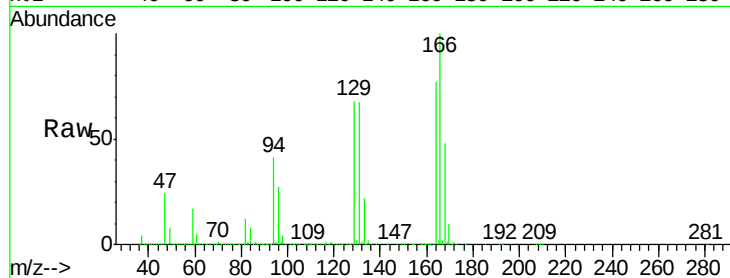
131 86.4 68.2 102.4

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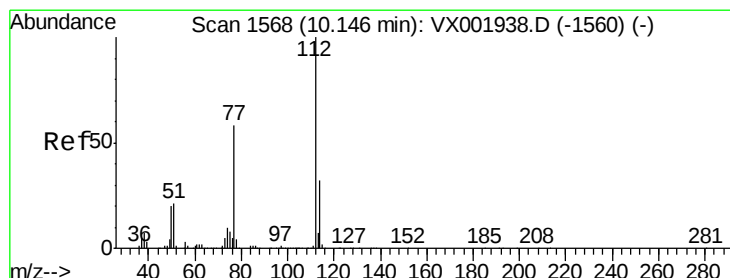
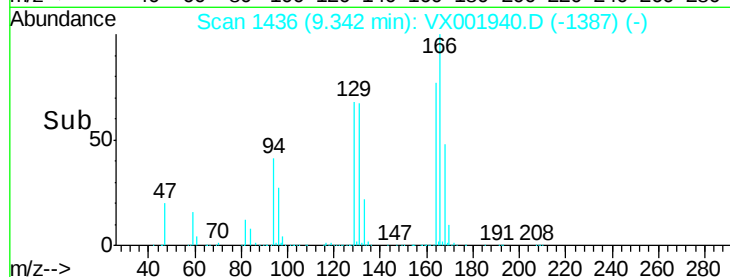
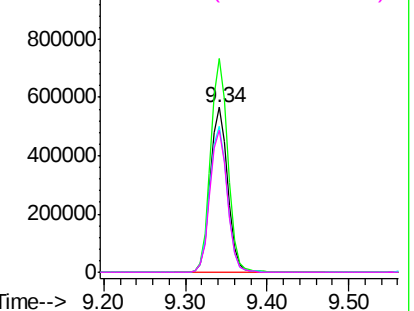


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 144.20 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001940.D

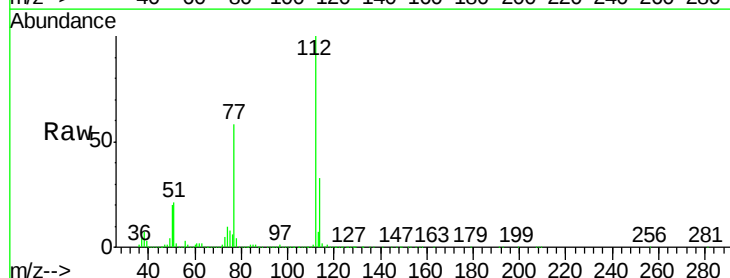
Acq: 24 May 2018 12:39

Tgt Ion:112 Resp: 1921865

Ion Ratio Lower Upper

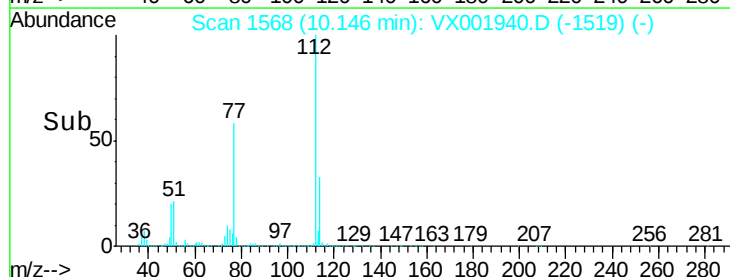
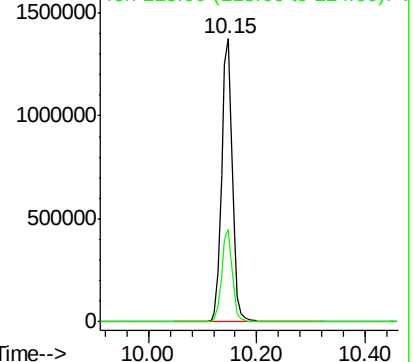
112 100

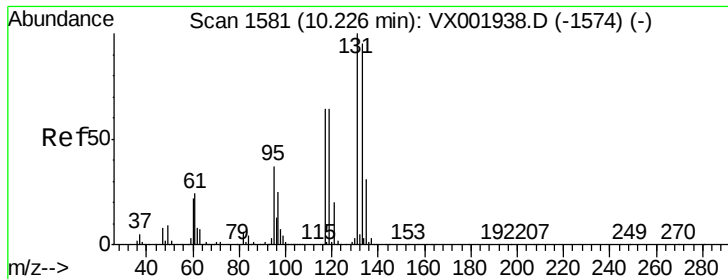
114 32.7 25.9 38.9



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: 143.96 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

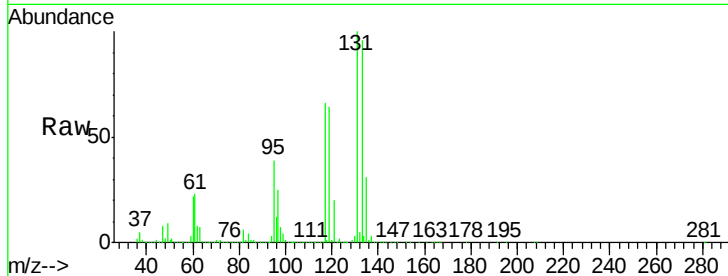
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.0	144.0
119	63.3	31.9	95.5

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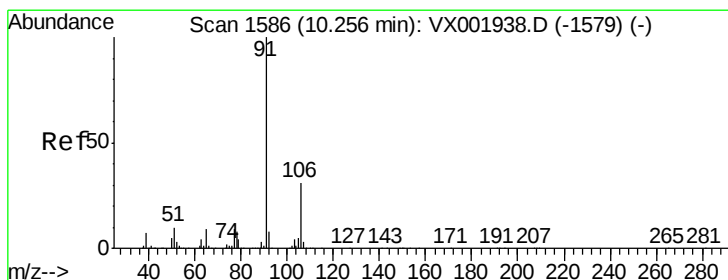
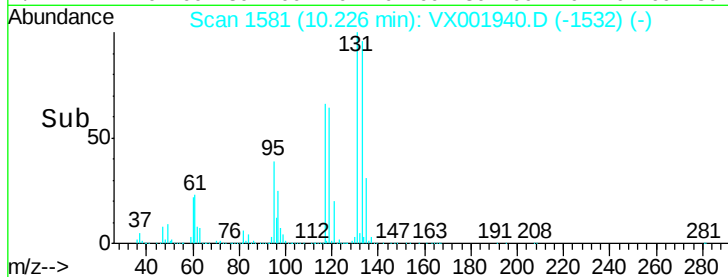
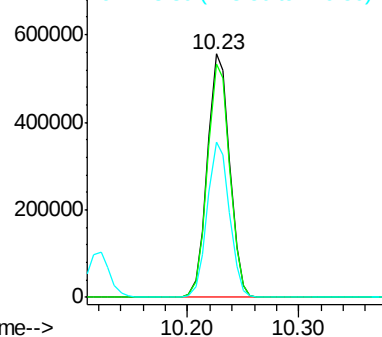
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 140.03 ug/l

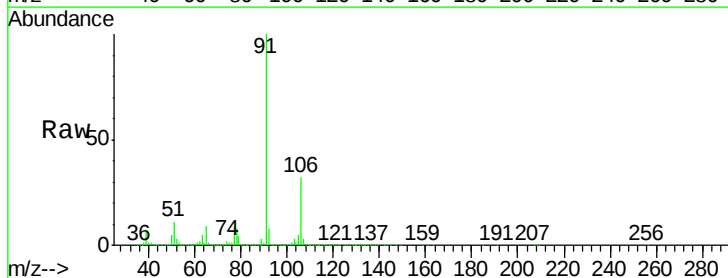
RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001940.D

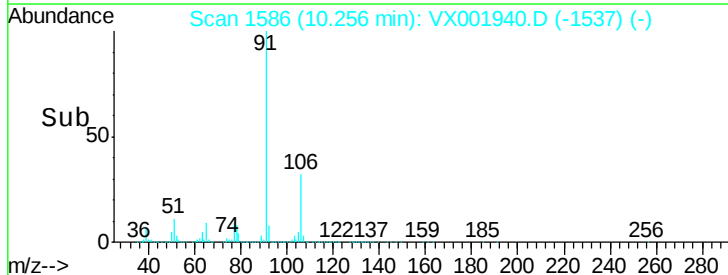
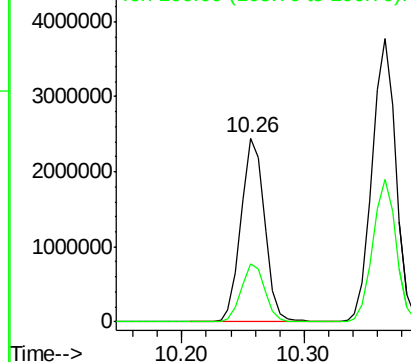
Acq: 24 May 2018 12:39

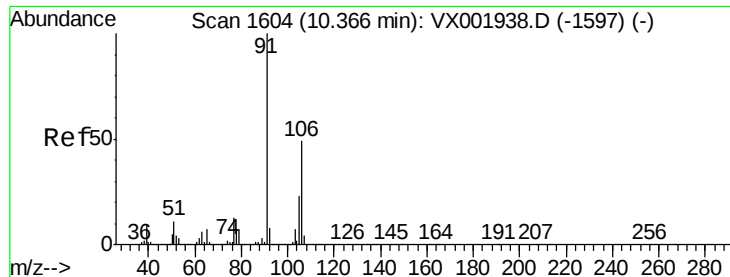
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.0	37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





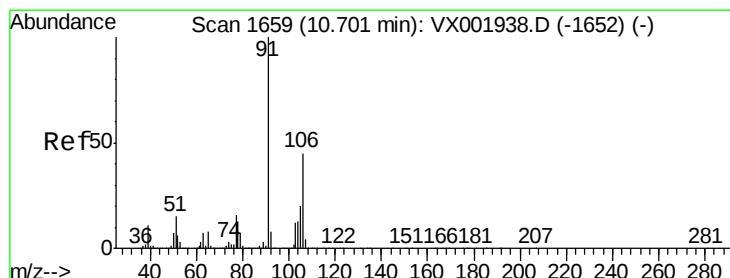
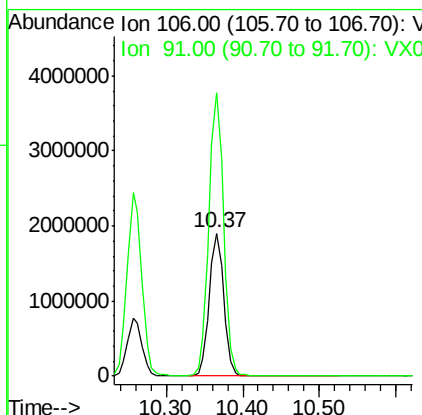
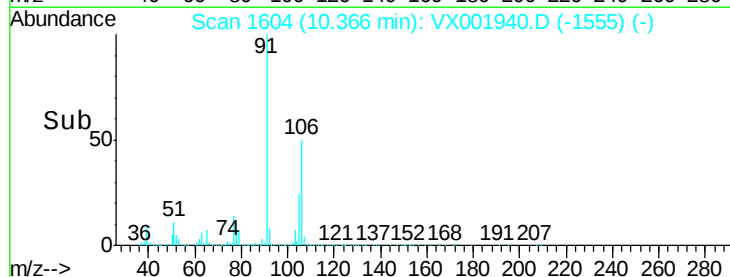
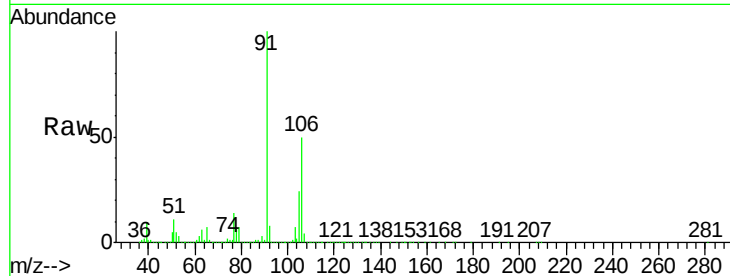
#68
m/p-Xvlenes
Concen: 283.96 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2528470
Ion Ratio Lower Upper
106 100
91 201.4 165.0 247.6

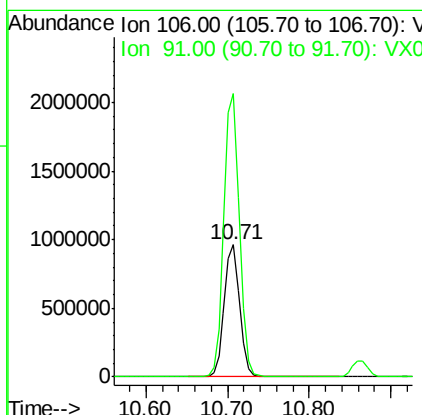
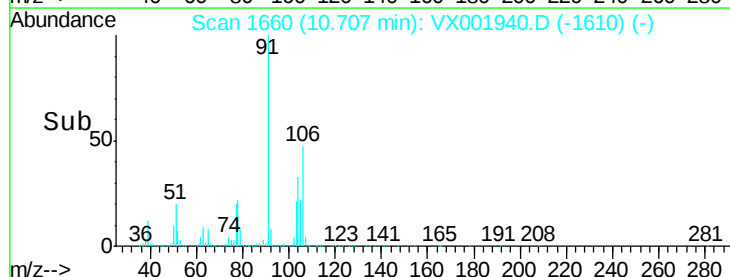
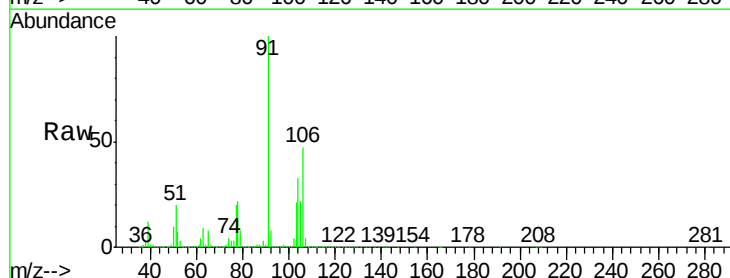
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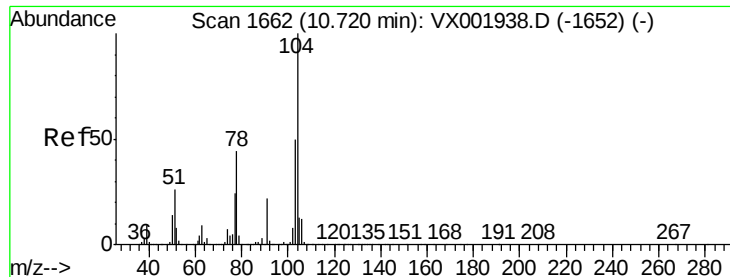
MMDadoda
5/25/2018 2:25:52 PM



#69
o-Xylene
Concen: 142.87 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion:106 Resp: 1260455
Ion Ratio Lower Upper
106 100
91 215.9 108.7 325.9





#70

Stvrene

Concen: 145.56 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

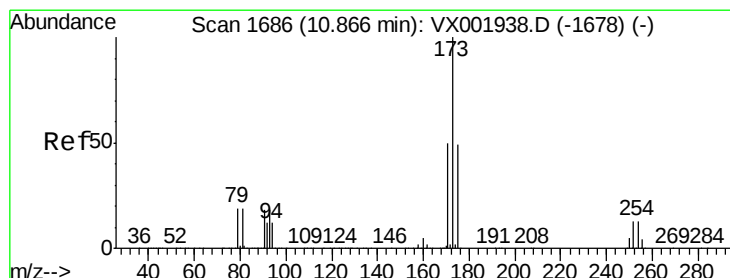
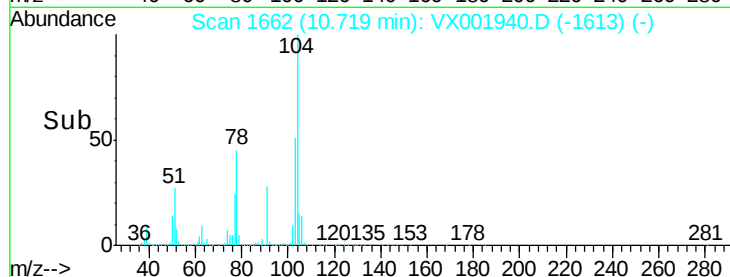
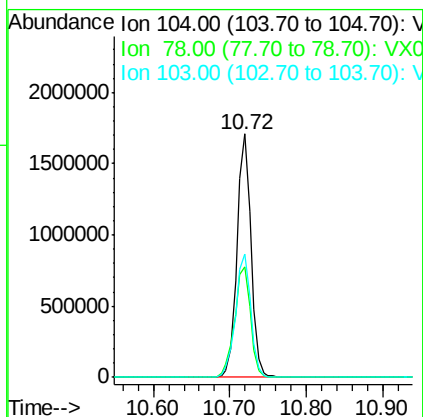
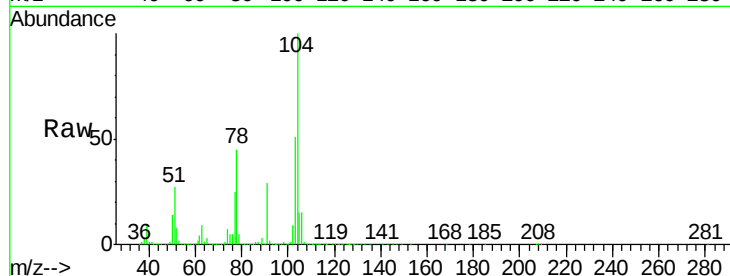
ClientSampleId :

VSTDIC150

Tot Ion:	104	Resp:	2156451
Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.8	62.6
103	55.5	44.6	67.0

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#71

Bromoform

Concen: 155.50 ug/l

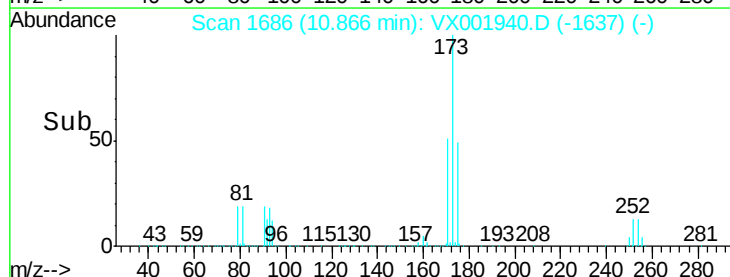
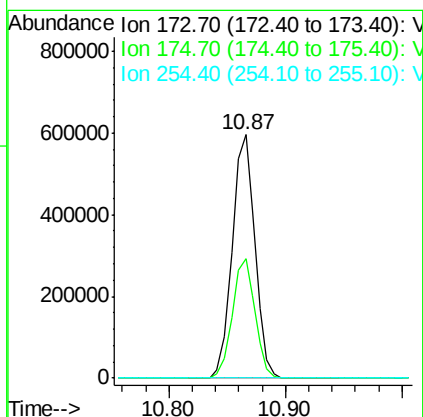
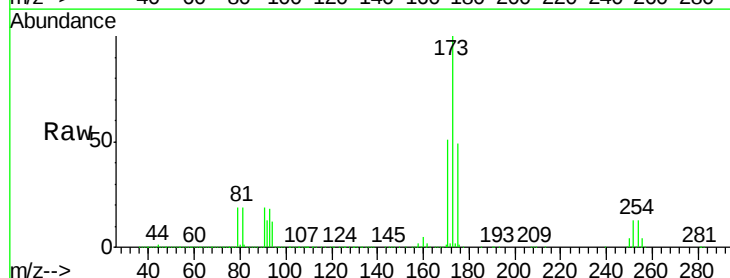
RT: 10.87 min Scan# 1686

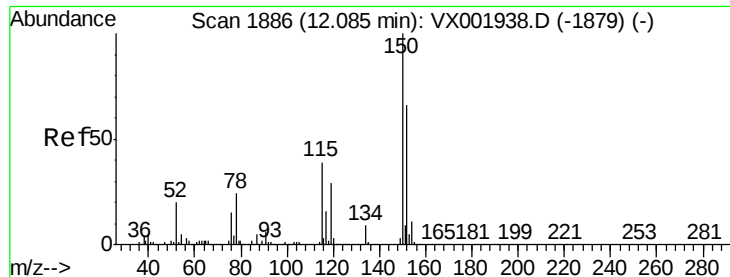
Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Tgt Ion:	173	Resp:	808382
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

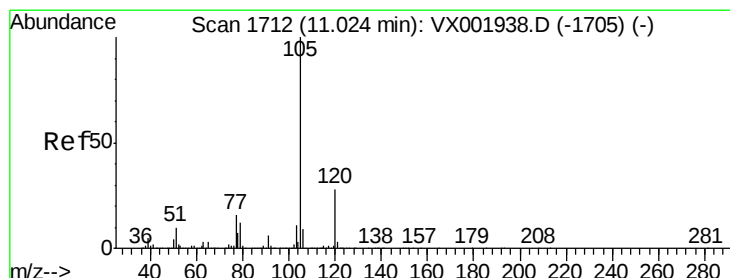
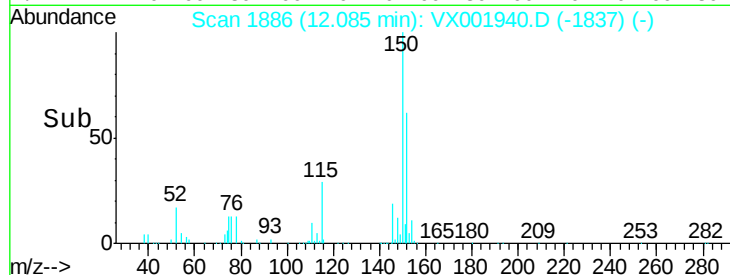
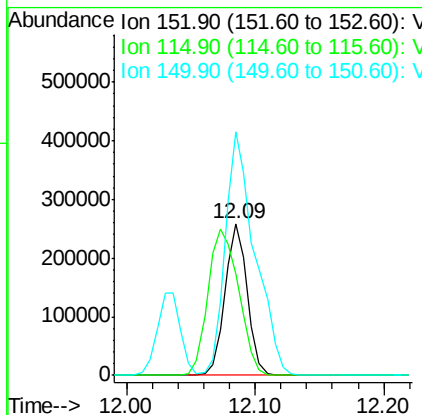
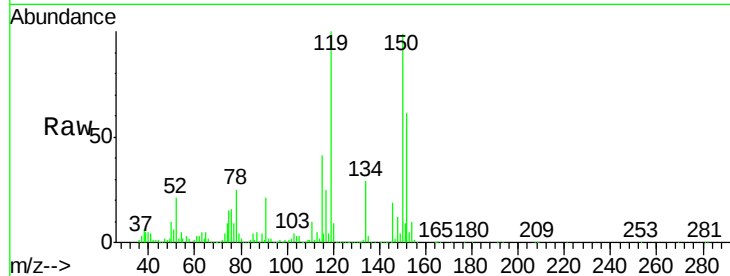
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
152	100		
115	133.8	42.3	126.8#
150	213.7	0.0	351.0

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#73

Isopropylbenzene

Concen: 133.49 ug/l

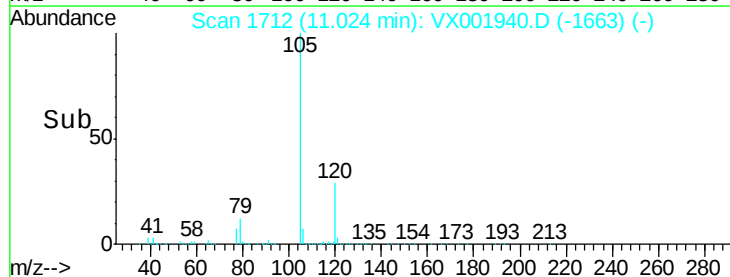
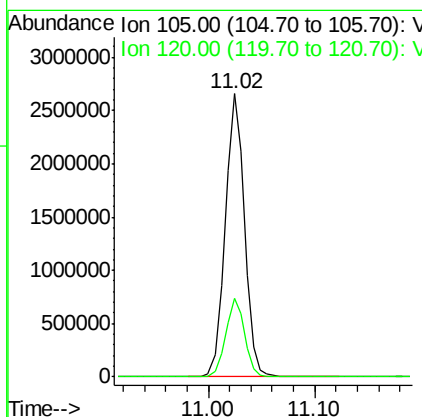
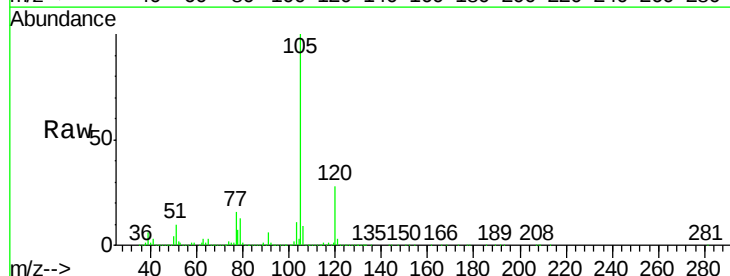
RT: 11.02 min Scan# 1712

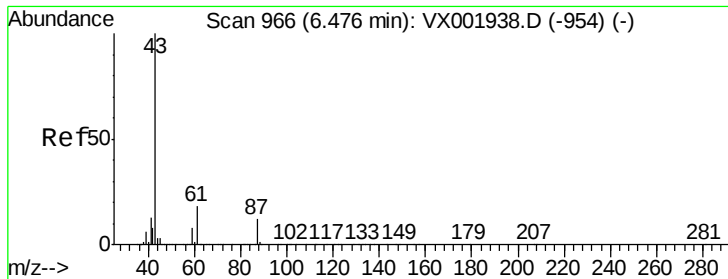
Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.6	40.7





#74

N-amvl acetate

Concen: 131.44 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1947547

Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

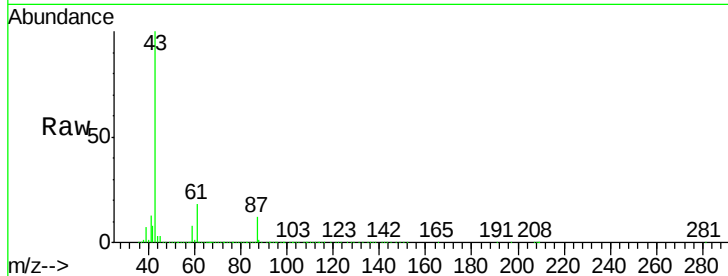
55 0.1 0.1 0.1#

61 18.2 14.5 21.7

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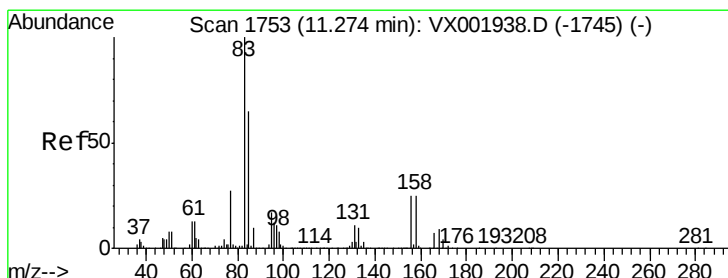
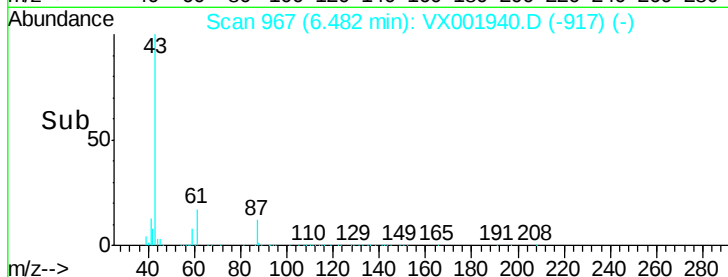
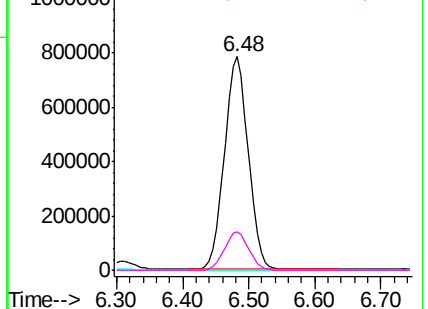


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 145.51 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

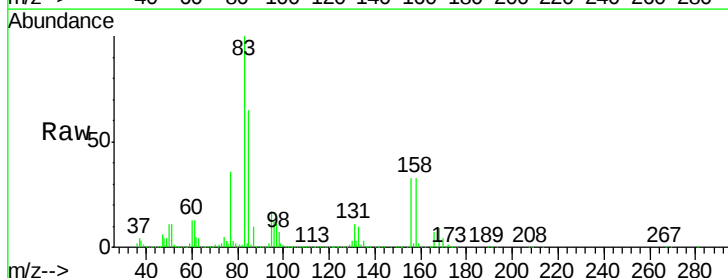
Tgt Ion: 83 Resp: 1070535

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

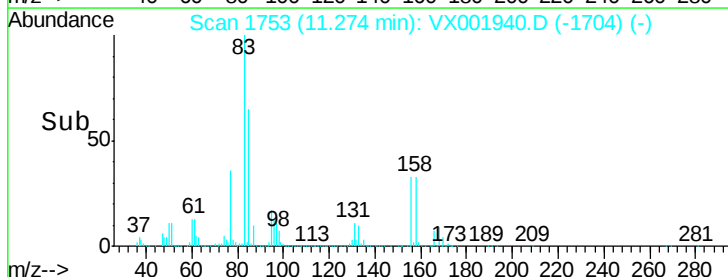
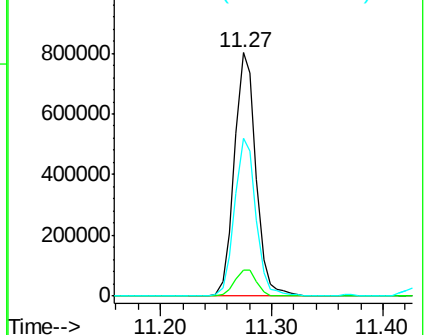
85 64.6 32.6 97.7

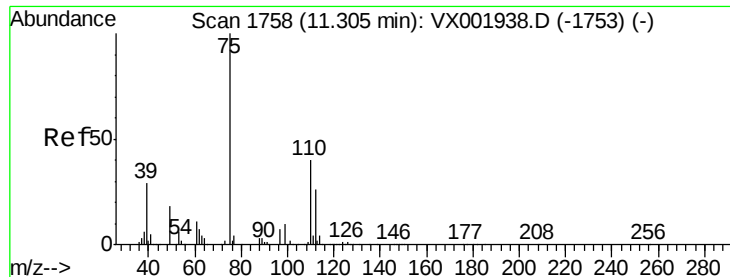


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





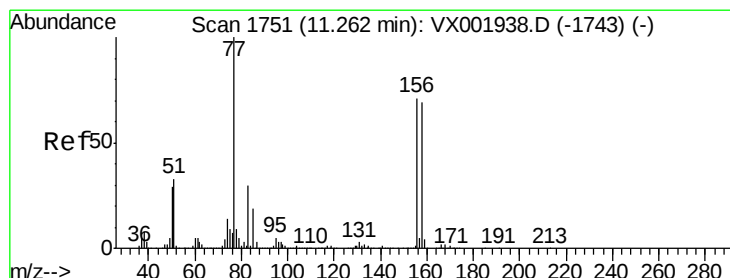
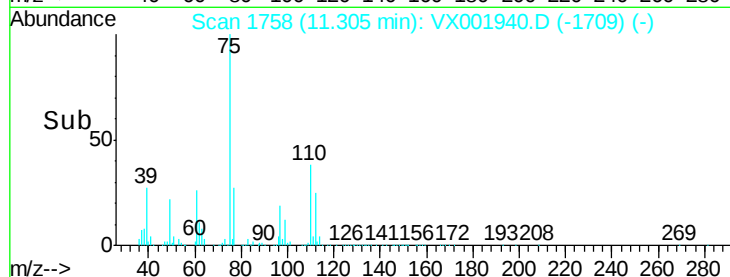
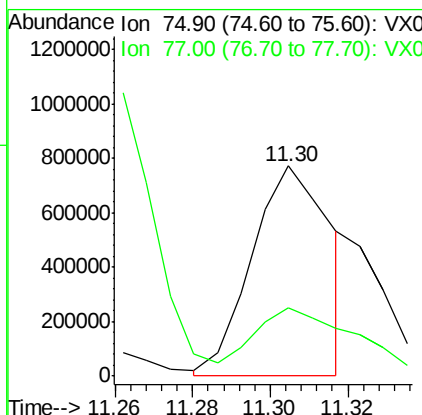
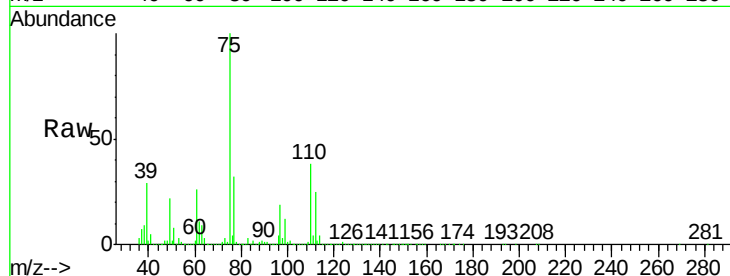
#76
1,2,3-Trichloropropane
Concen: 157.15 ug/l m
RT: 11.30 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1082995
Ion Ratio Lower Upper
75 100
77 42.2 22.8 68.3

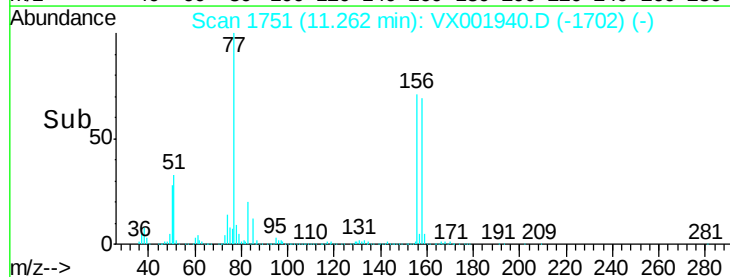
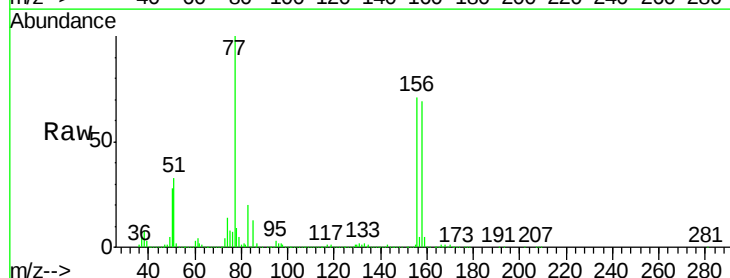
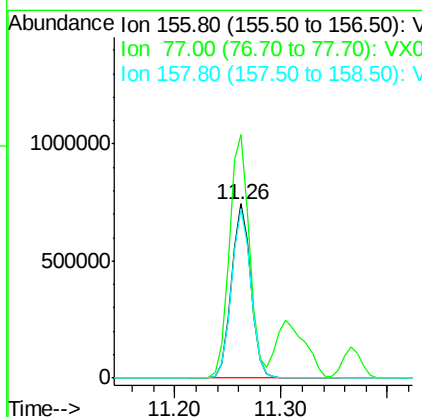
Manual Integrations
APPROVED

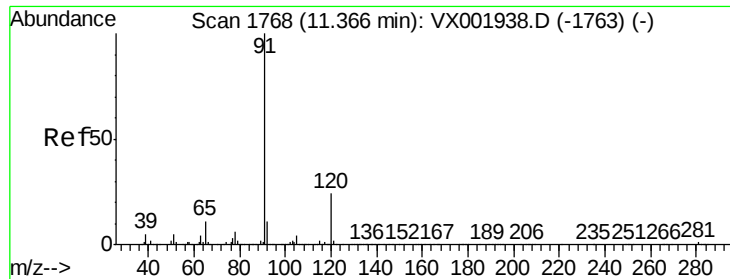
MMDadoda
5/25/2018 2:25:52 PM



#77
Bromobenzene
Concen: 142.24 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion: 156 Resp: 952176
Ion Ratio Lower Upper
156 100
77 144.3 75.2 225.6
158 97.9 48.6 145.8





#78

n-propylbenzene

Concen: 133.15 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3804554

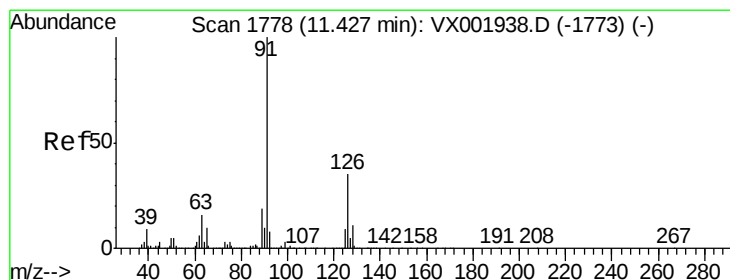
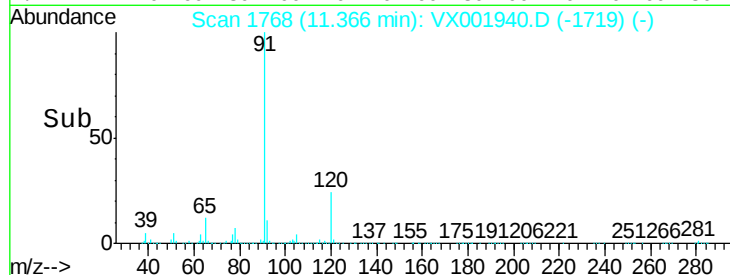
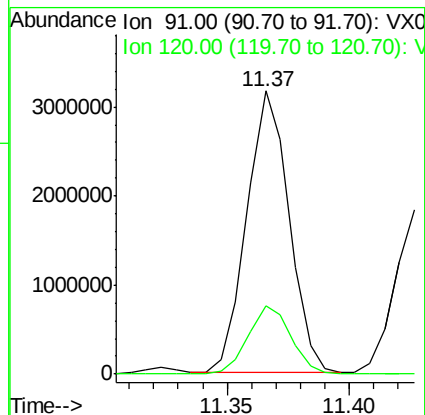
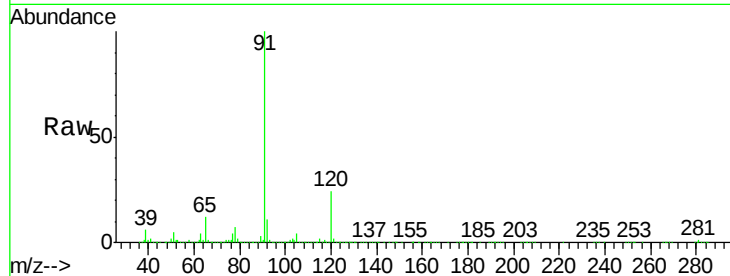
Ion Ratio Lower Upper

91 100

120 24.5 11.9 35.7

Manual Integrations
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MMDadoda
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#79

2-Chlorotoluene

Concen: 136.38 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001940.D

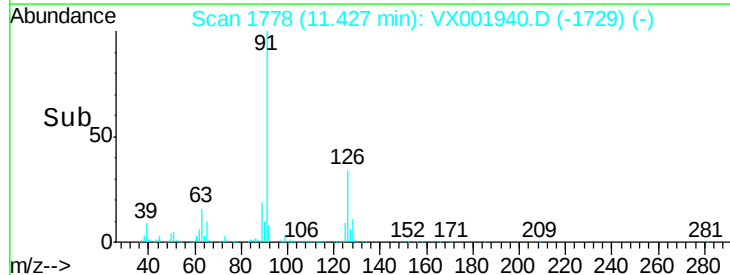
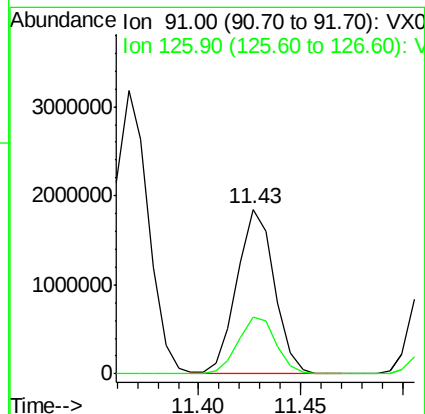
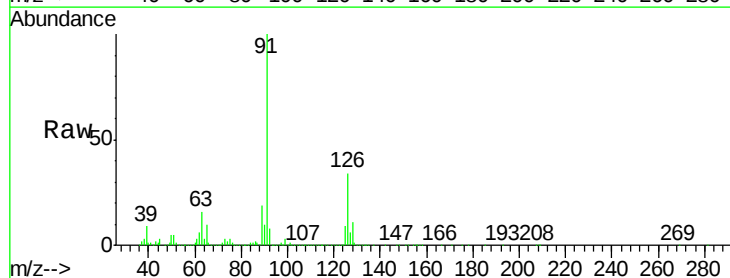
Acq: 24 May 2018 12:39

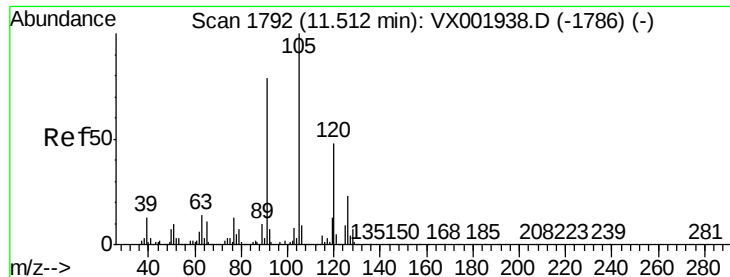
Tgt Ion: 91 Resp: 2334493

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.2





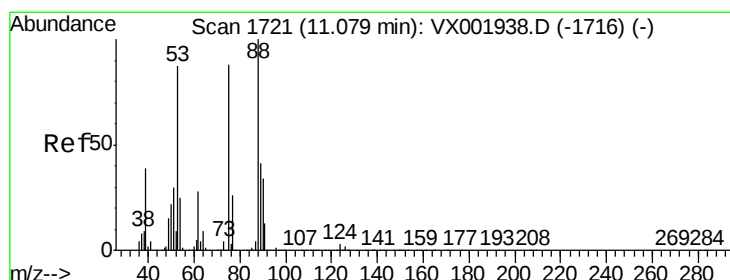
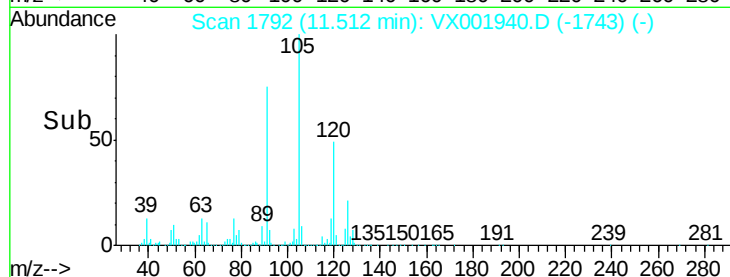
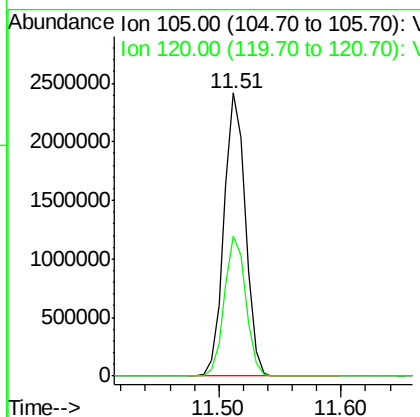
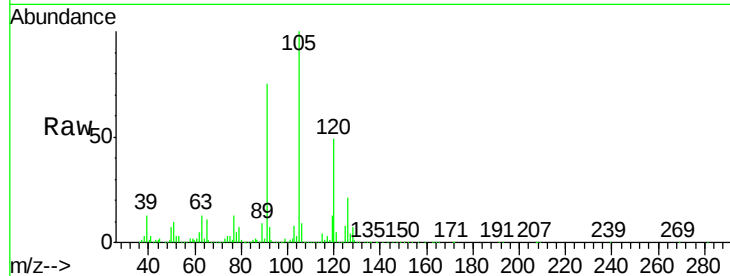
#80
 1,3,5-Trimethylbenzene
 Concen: 135.84 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:105 Resp: 2915706
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.1 72.4

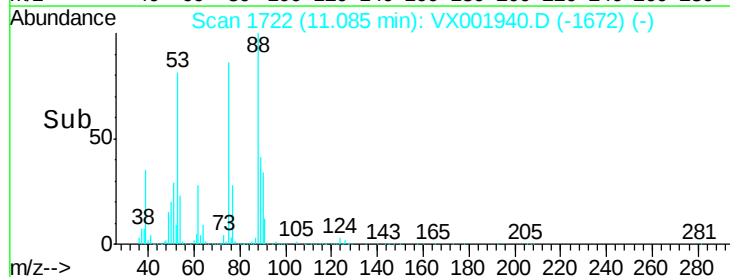
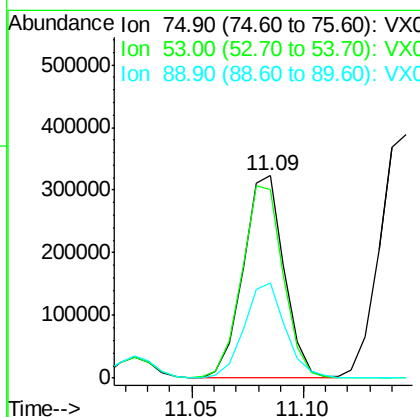
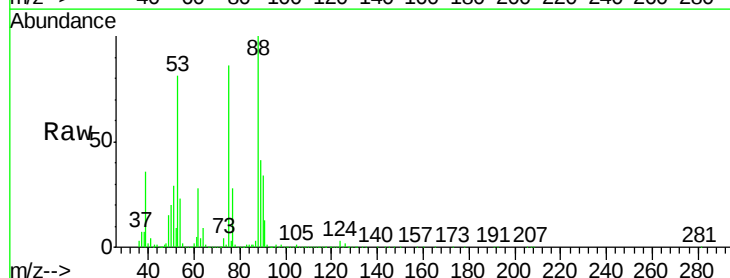
Manual Integrations
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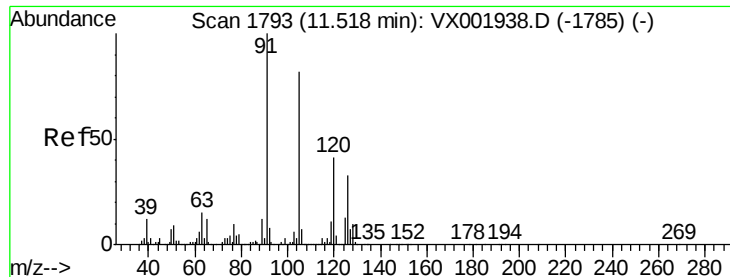
MMDadoda
 5/25/2018 2:25:52 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.96 ug/l
 RT: 11.09 min Scan# 1722
 Delta R.T. 0.01 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Tgt Ion: 75 Resp: 411330
 Ion Ratio Lower Upper
 75 100
 53 96.3 78.0 117.0
 89 47.9 39.4 59.2





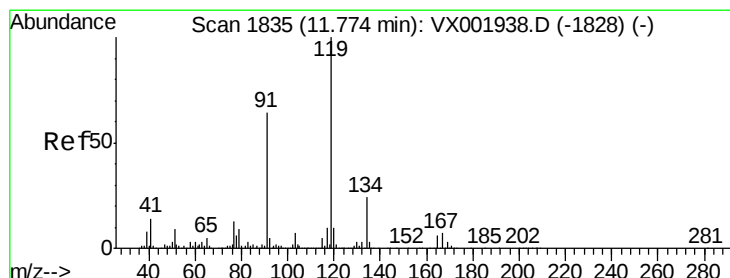
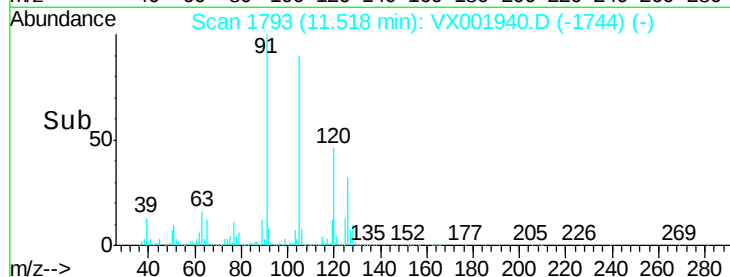
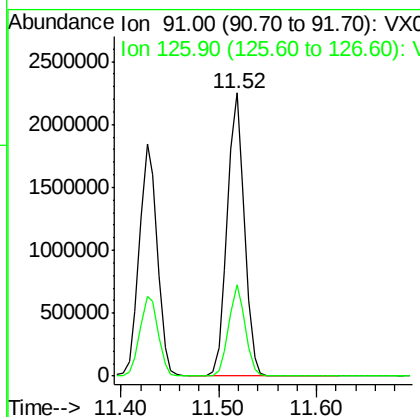
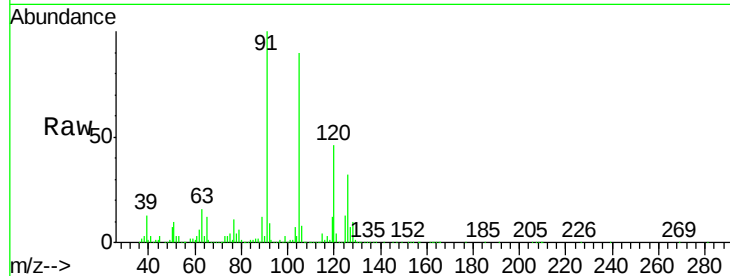
#82
4-Chlorotoluene
Concen: 137.71 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2749621
Ion Ratio Lower Upper
91 100
126 30.9 15.3 45.8

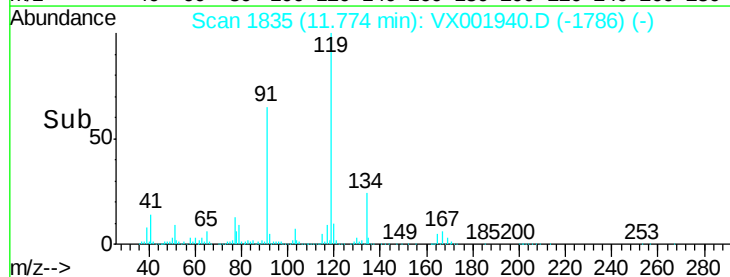
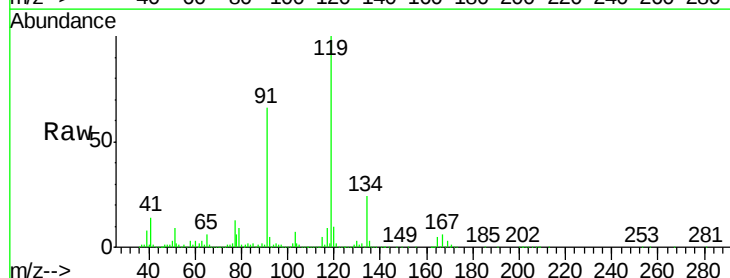
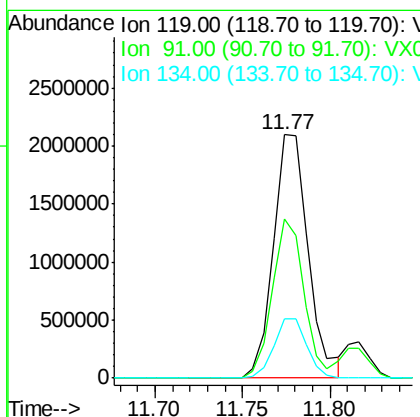
Manual Integrations
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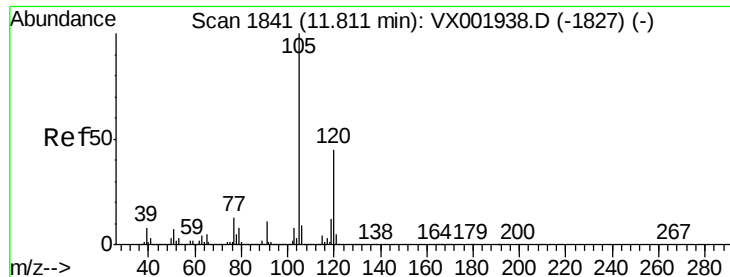
MMDadoda
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#83
tert-Butylbenzene
Concen: 139.74 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion: 119 Resp: 2910492
Ion Ratio Lower Upper
119 100
91 59.0 30.6 91.8
134 23.2 11.7 35.0





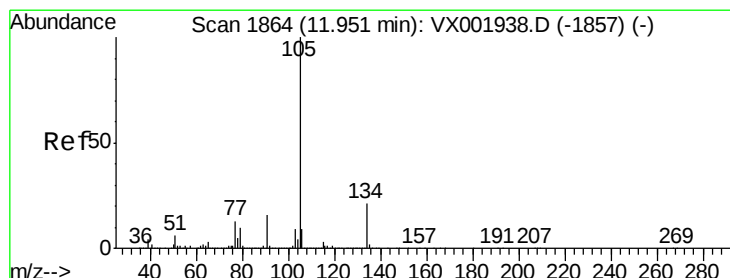
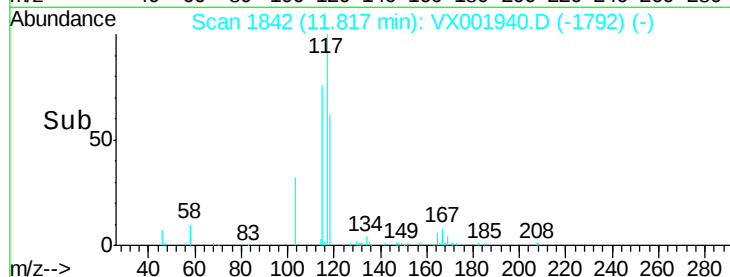
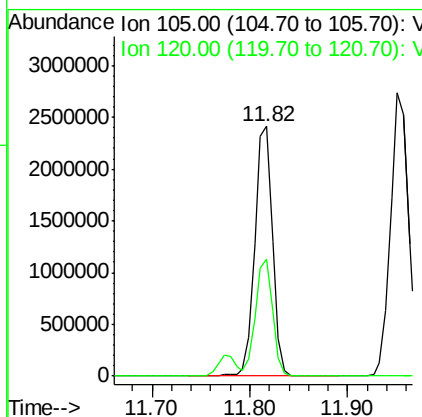
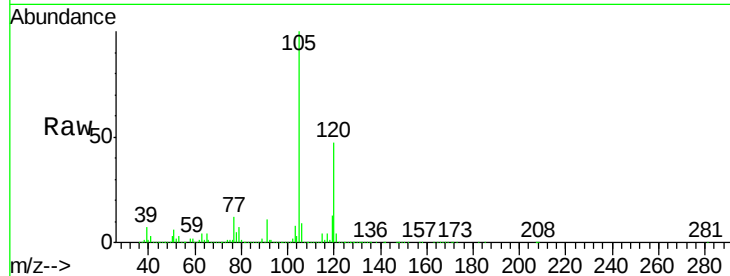
#84
 1,2,4-Trimethylbenzene
 Concen: 136.98 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 3017530
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.1 66.5

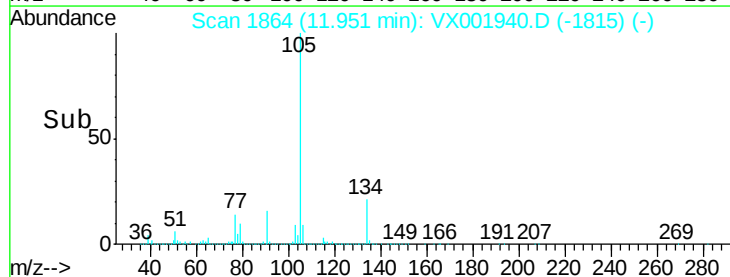
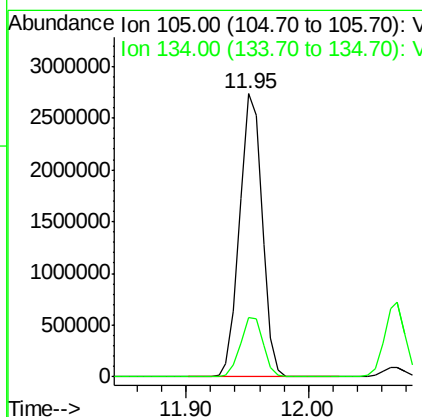
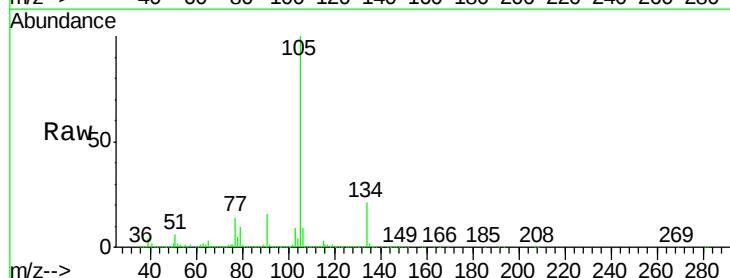
Manual Integrations
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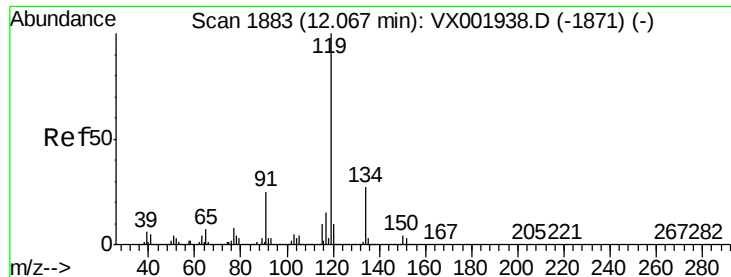
MMDadoda
 5/25/2018 2:25:52 PM



#85
 sec-Butylbenzene
 Concen: 136.18 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Tgt Ion:105 Resp: 3474590
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.4 31.4





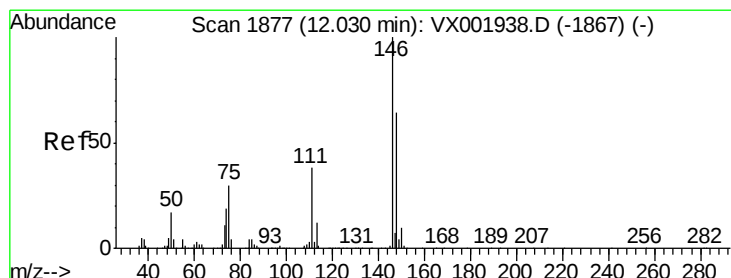
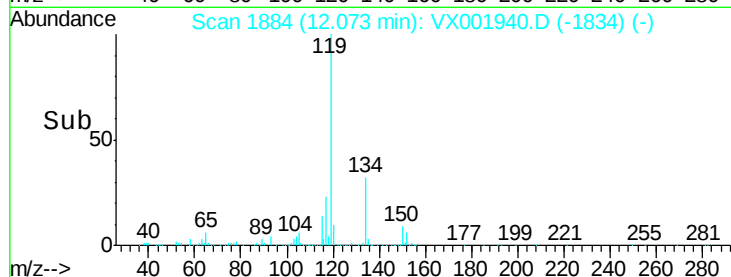
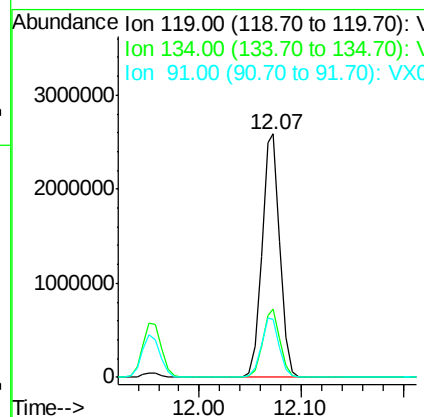
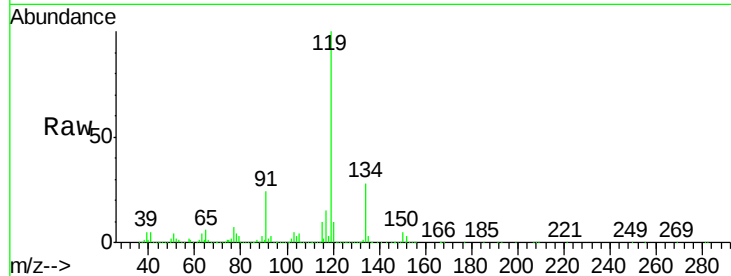
#86
 p-Isopropyltoluene
 Concen: 138.99 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.8
91	24.2	12.2	36.4

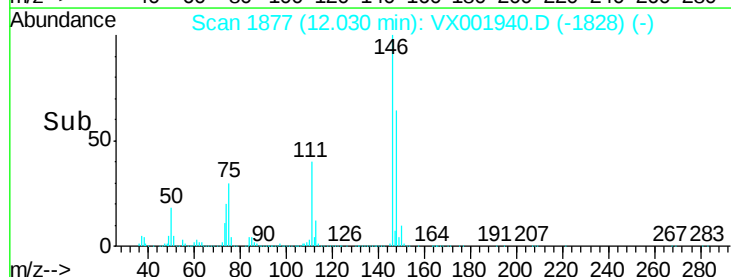
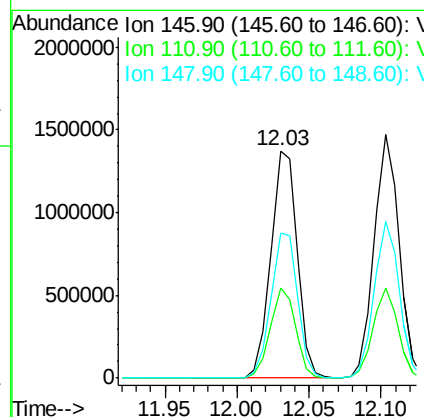
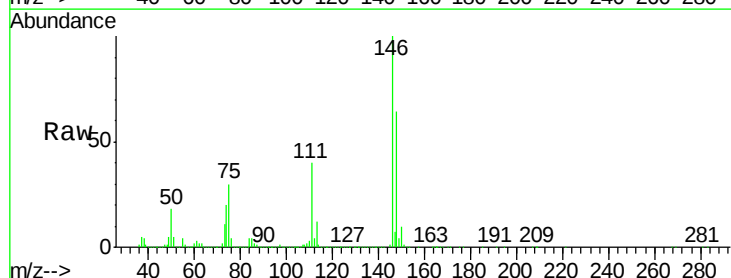
Manual Integrations
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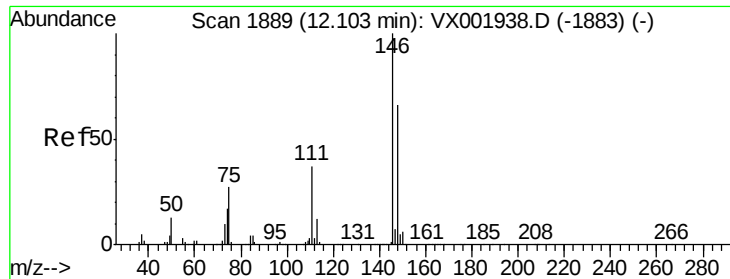
MMDadoda
 5/25/2018 2:25:52 PM



#87
 1,3-Dichlorobenzene
 Concen: 145.28 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.8
148	64.3	32.1	96.3





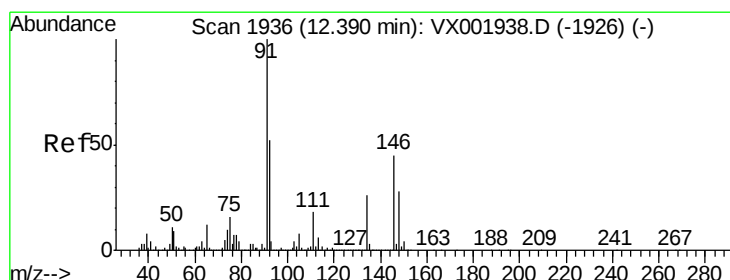
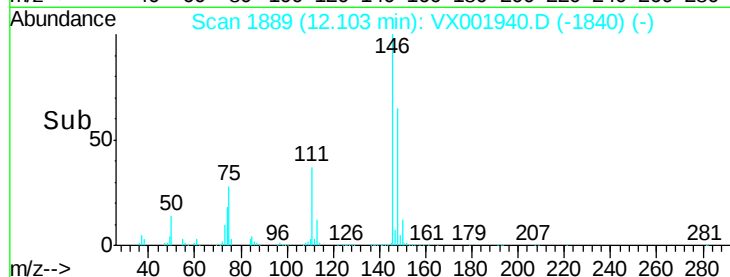
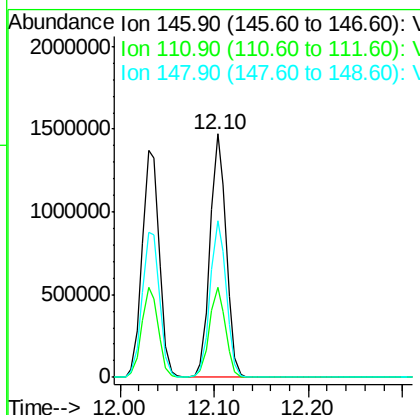
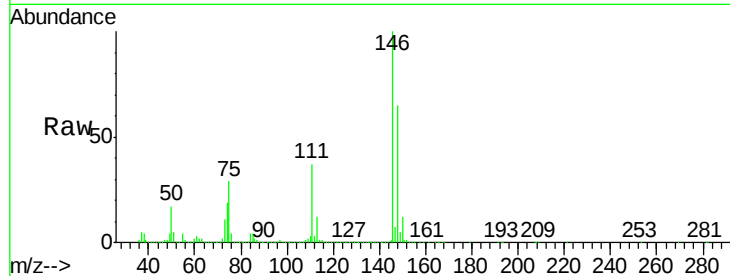
#88
 1,4-Dichlorobenzene
 Concen: 145.11 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1744353
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.9 56.5
 148 64.6 32.3 96.8

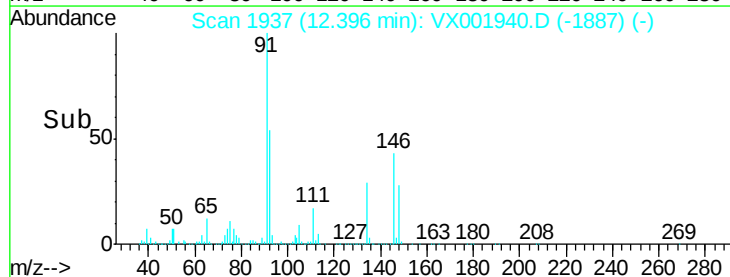
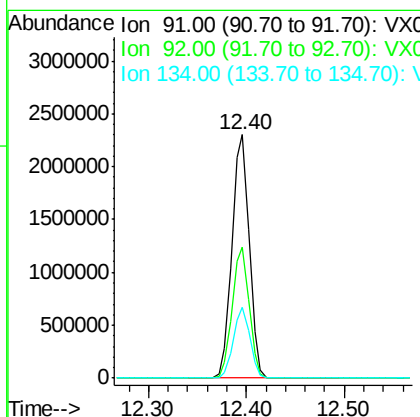
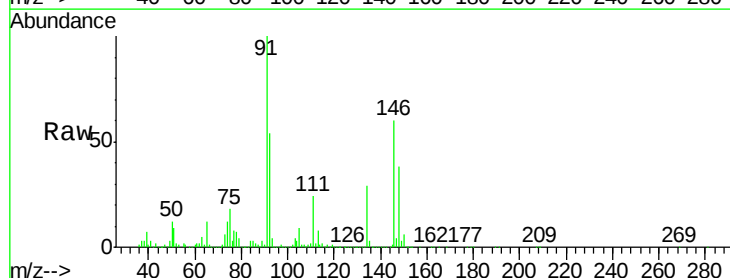
Manual Integrations
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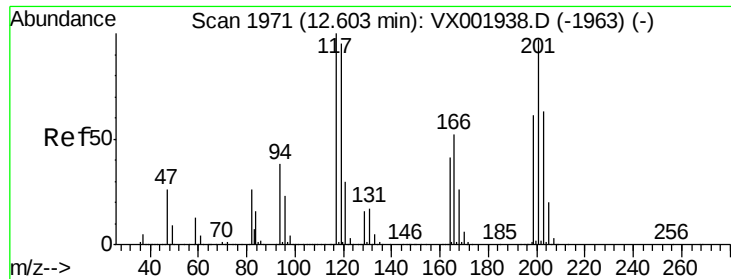
MMDadoda
 5/25/2018 2:25:52 PM



#89
 n-Butylbenzene
 Concen: 140.95 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Tgt Ion: 91 Resp: 2804548
 Ion Ratio Lower Upper
 91 100
 92 53.1 26.3 78.9
 134 28.1 13.6 40.7





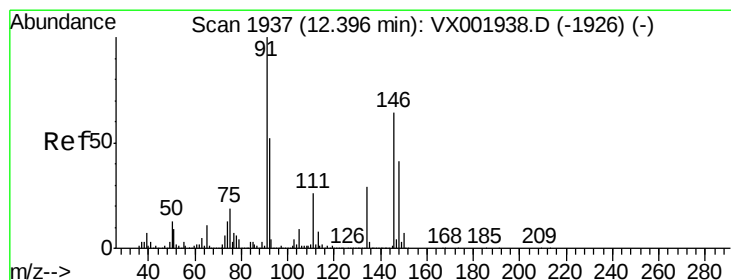
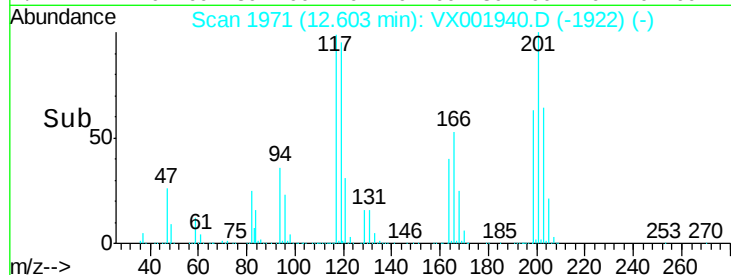
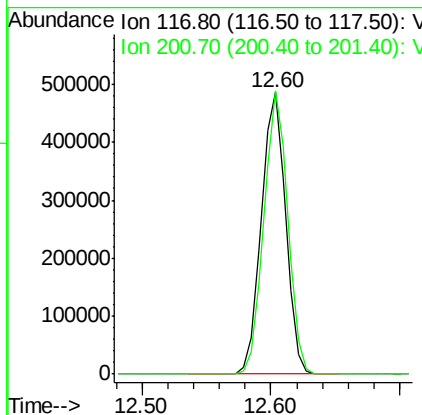
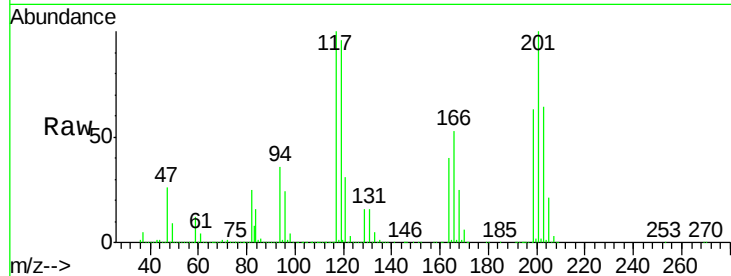
#90
Hexachloroethane
Concen: 140.10 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 628801
Ion Ratio Lower Upper
117 100
201 99.4 48.0 144.0

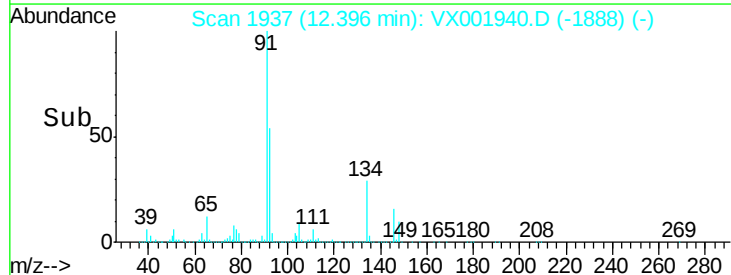
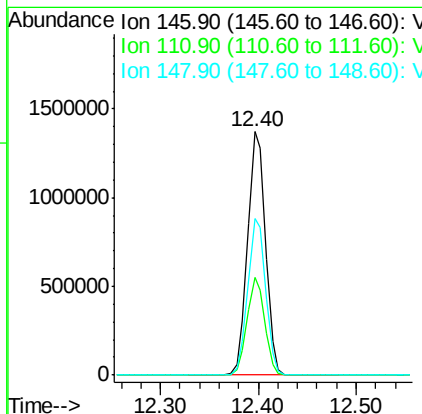
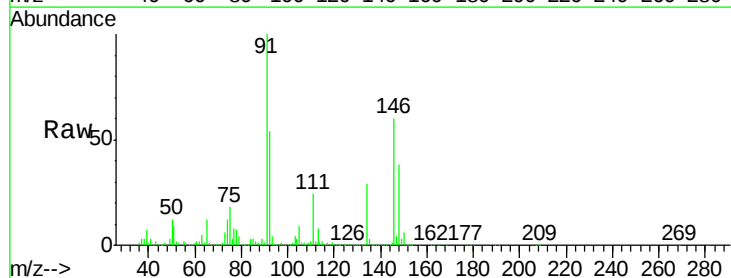
Manual Integrations
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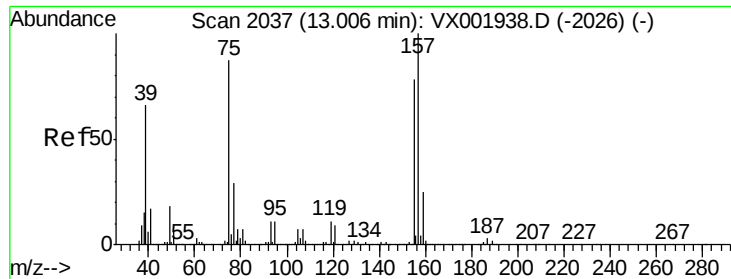
MMDadoda
5/25/2018 2:25:52 PM



#91
1,2-Dichlorobenzene
Concen: 141.95 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001940.D
Acq: 24 May 2018 12:39

Tgt Ion:146 Resp: 1740358
Ion Ratio Lower Upper
146 100
111 39.4 19.8 59.3
148 64.5 32.1 96.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 140.77 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

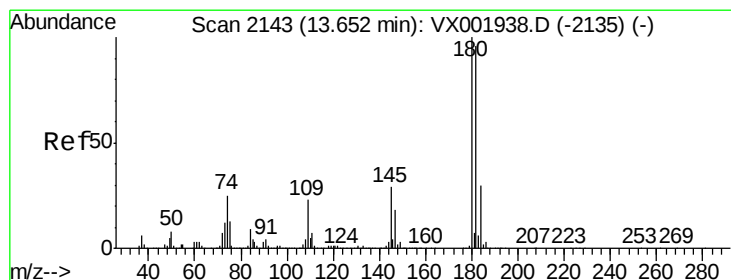
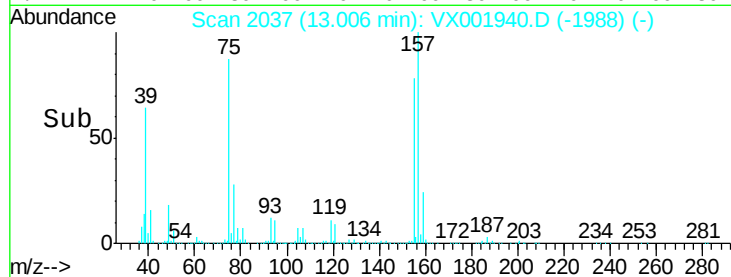
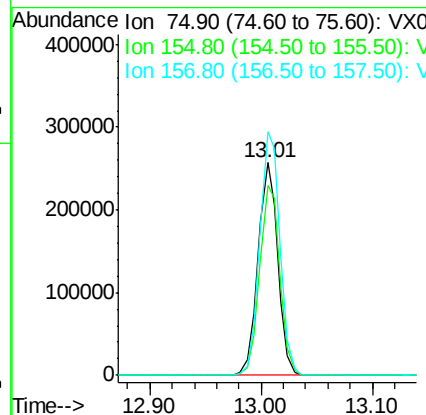
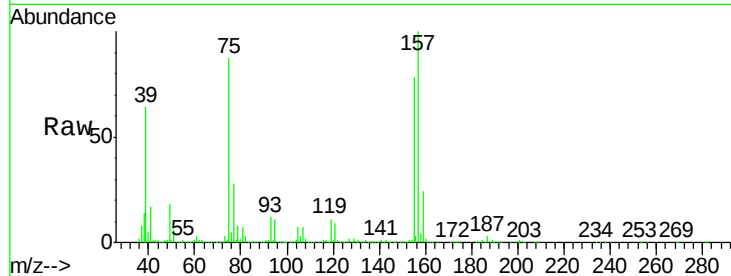
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	315720
Ion Ratio	Lower	Upper	
75	100		
155	91.6	45.1	135.2
157	117.9	58.1	174.2

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#93

1,2,4-Trichlorobenzene

Concen: 148.00 ug/l

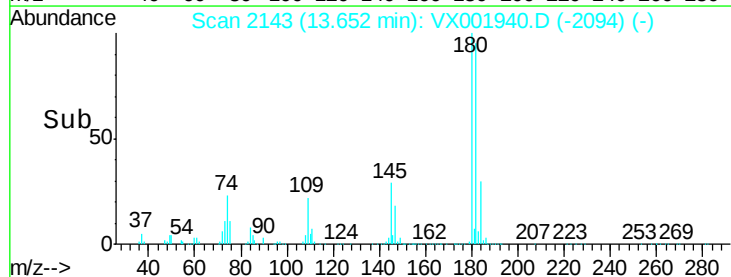
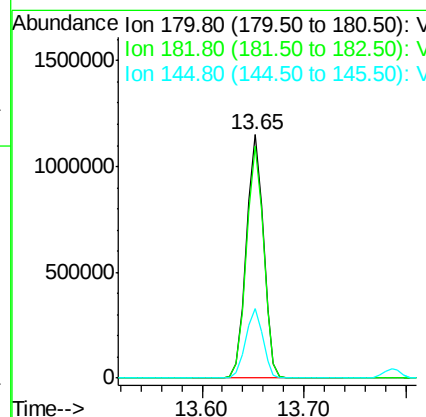
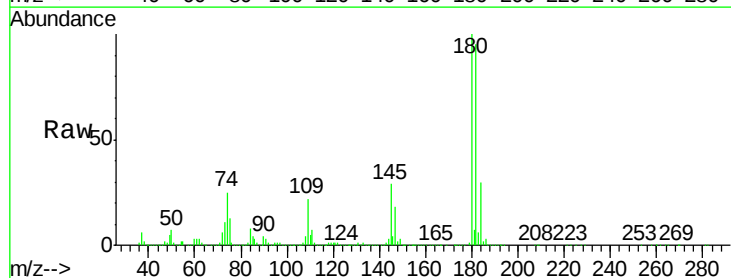
RT: 13.65 min Scan# 2143

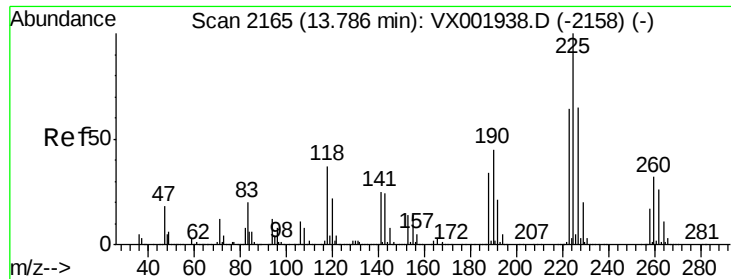
Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Tgt Ion:	180	Resp:	1326933
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.7	143.1
145	28.7	14.4	43.0





#94

Hexachlorobutadiene

Concen: 145.01 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX001940.D

Acq: 24 May 2018 12:39

Instrument :

MSVOA_X

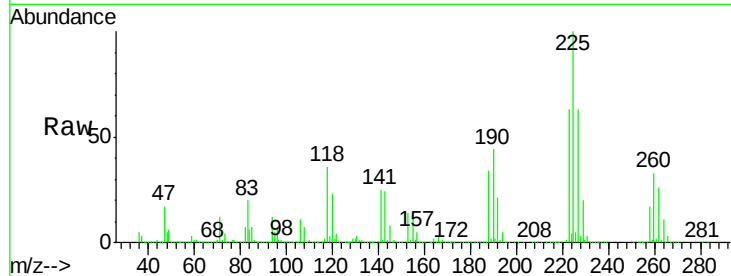
ClientSampleId :

VSTDIC150

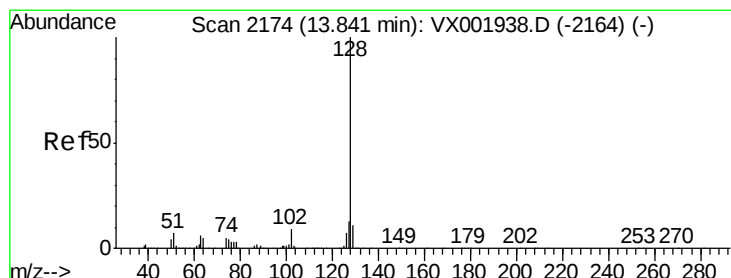
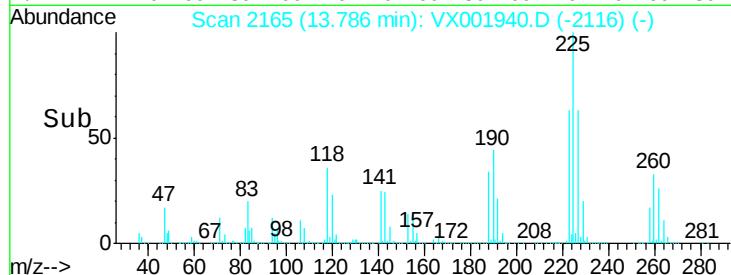
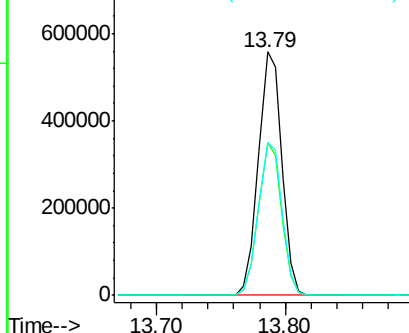
Tot Ion:	225	Resp:	694556
Ion Ratio		Lower	Upper
225	100		
223	61.9	31.1	93.5
227	63.6	32.1	96.5

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 139.85 ug/l

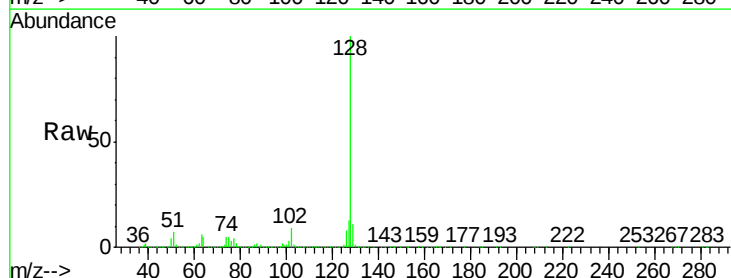
RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

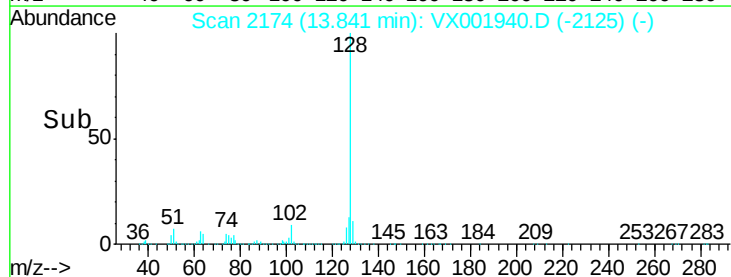
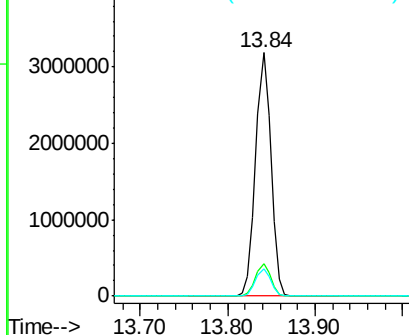
Lab File: VX001940.D

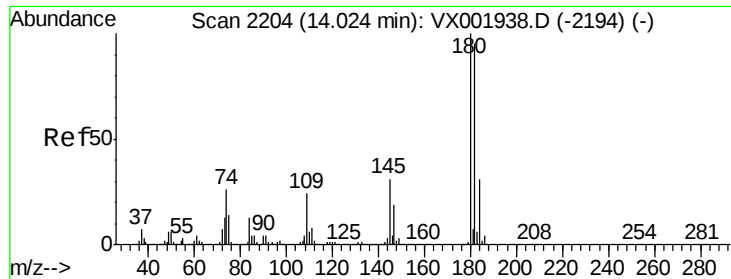
Acq: 24 May 2018 12:39

Tgt Ion:	128	Resp:	3846059
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.8	13.2



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





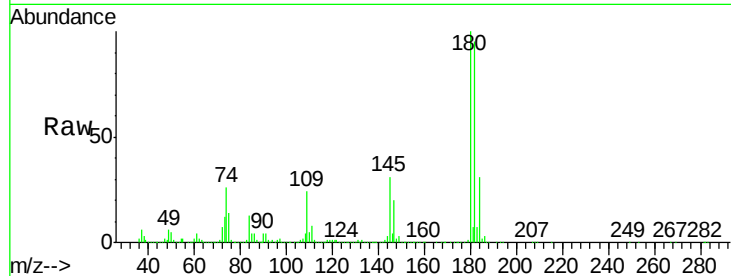
#96
 1,2,3-Trichlorobenzene
 Concen: 144.68 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX001940.D
 Acq: 24 May 2018 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	30.4	15.1	45.3

Manual Integrations
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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

