

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001189.D
 Acq On : 28 Apr 2018 00:08
 Operator : JC/MD
 Sample : VX0427WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:04:42 PM

Quant Time: Apr 28 04:17:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	275947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	263035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	177087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	139301	44.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.94%		
35) Dibromofluoromethane	5.51	113	112482	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.50%		
50) Toluene-d8	8.72	98	421008	48.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.68%		
62) 4-Bromofluorobenzene	11.14	95	159942	47.50	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.00%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	43604	20.57	ug/l	99
3) Chloromethane	1.32	50	42351	19.08	ug/l	99
4) Vinyl Chloride	1.40	62	47617	20.22	ug/l	95
5) Bromomethane	1.64	94	37288	24.76	ug/l	97
6) Chloroethane	1.73	64	29475	19.89	ug/l	99
7) Trichlorofluoromethane	1.93	101	82315	21.64	ug/l	99
8) Diethyl Ether	2.19	74	28195	19.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44363	21.17	ug/l	99
10) Methyl Iodide	2.51	142	32874	20.14	ug/l	99
11) Tert butyl alcohol	3.07	59	57946	93.80	ug/l	98
12) 1,1-Dichloroethene	2.38	96	41343	20.23	ug/l	99
13) Acrolein	2.30	56	15836	67.81	ug/l	98
14) Allyl chloride	2.73	41	74712	20.04	ug/l	98
15) Acrylonitrile	3.15	53	122265	92.69	ug/l	100
16) Acetone	2.45	43	113094	87.79	ug/l	99
17) Carbon Disulfide	2.57	76	99922	19.16	ug/l	100
18) Methyl Acetate	2.78	43	63195	19.60	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	148837	19.79	ug/l	100
20) Methylene Chloride	2.86	84	46820	19.52	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	45018	19.93	ug/l	98
22) Diisopropyl ether	3.88	45	141519	18.97	ug/l	95
23) Vinyl Acetate	3.83	43	608705	96.19	ug/l	99
24) 1,1-Dichloroethane	3.70	63	78097	19.92	ug/l	99
25) 2-Butanone	4.71	43	169196	87.78	ug/l	100
26) 1,2-Dichloropropane	4.59	77	51420	16.66	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	48680	19.68	ug/l	99
28) Bromochloromethane	5.03	49	35484	20.19	ug/l	98
29) Tetrahydrofuran	5.17	42	108902	87.88	ug/l	99
30) Chloroform	5.22	83	84799	20.34	ug/l	97
31) Cyclohexane	5.58	56	67744	20.34	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	72590	20.17	ug/l	98
36) 1,1-Dichloropropene	5.81	75	60808	20.00	ug/l	99
37) Ethyl Acetate	4.87	43	66587	18.29	ug/l	100
38) Carbon Tetrachloride	5.79	117	63801	20.46	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	69193	20.56	ug/l	99
40) Benzene	6.15	78	182760	20.78	ug/l	99
41) Methacrylonitrile	5.07	41	37978	18.56	ug/l	99
42) 1,2-Dichloroethane	6.21	62	71927	20.29	ug/l	99
43) Isopropyl Acetate	6.48	43	106459	18.61	ug/l	99
44) Trichloroethene	7.22	130	55121	21.03	ug/l	97
45) 1,2-Dichloropropane	7.53	63	46052	19.90	ug/l	98
46) Dibromomethane	7.67	93	33095	20.66	ug/l	99
47) Bromodichloromethane	7.91	83	58321	20.04	ug/l	99
48) Methyl methacrylate	7.79	41	56594	18.62	ug/l	99
49) 1,4-Dioxane	7.76	88	22283	366.13	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	354870	94.46	ug/l	97
52) Toluene	8.79	92	119852	20.84	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	65808	19.45	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	60058	18.49	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	48456	19.91	ug/l	95
56) Ethyl methacrylate	9.19	69	68213	18.92	ug/l	98
57) 1,3-Dichloropropane	9.38	76	80229	20.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	159989	93.85	ug/l	99
59) 2-Hexanone	9.51	43	267171	90.77	ug/l	99
60) Dibromochloromethane	9.59	129	49191	19.49	ug/l	100
61) 1,2-Dibromoethane	9.68	107	51971	20.38	ug/l	99
64) Tetrachloroethene	9.34	164	62133	22.13	ug/l	99
65) Chlorobenzene	10.15	112	140882	20.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	49000	20.55	ug/l	99
67) Ethyl Benzene	10.26	91	232100	20.73	ug/l	97
68) m/p-Xylenes	10.37	106	182268	41.18	ug/l	98
69) o-Xylene	10.71	106	89713	20.90	ug/l	100
70) Styrene	10.72	104	145574	20.37	ug/l	100
71) Bromoform	10.87	173	37575	18.45	ug/l #	100
73) Isopropylbenzene	11.02	105	239714	20.77	ug/l	100
74) N-amyl acetate	6.48	43	106459	18.30	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	72870	19.03	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	67663m	18.76	ug/l	
77) Bromobenzene	11.26	156	70297	20.54	ug/l	98
78) n-propylbenzene	11.37	91	268199	20.84	ug/l	100
79) 2-Chlorotoluene	11.43	91	161252	20.21	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	204036	20.88	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	13995	16.22	ug/l	88
82) 4-Chlorotoluene	11.52	91	194979	20.56	ug/l	100
83) tert-Butylbenzene	11.77	119	196912	20.19	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	210422	20.95	ug/l	100
85) sec-Butylbenzene	11.95	105	240957	21.15	ug/l	100
86) p-Isopropyltoluene	12.07	119	219709	20.73	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	124594	20.28	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	129628	20.25	ug/l	100
89) n-Butylbenzene	12.40	91	183664	20.02	ug/l	100
90) Hexachloroethane	12.60	117	29610	19.52	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	125938	20.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14805	17.52	ug/l	96

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

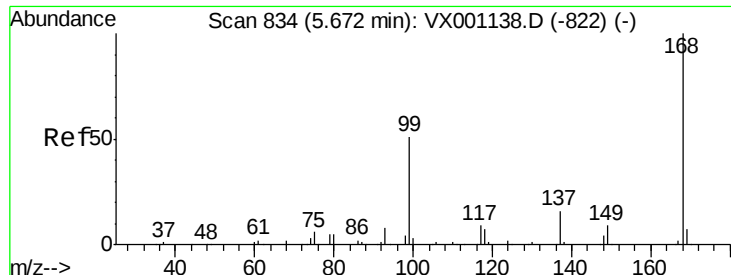
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:51:42 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96536	19.83	ug/l	100
94) Hexachlorobutadiene	13.79	225	46086	20.14	ug/l	99
95) Naphthalene	13.84	128	265705	19.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	97995	20.23	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

Tot Ion:168 Resp: 202083

Ion Ratio Lower Upper

168 100

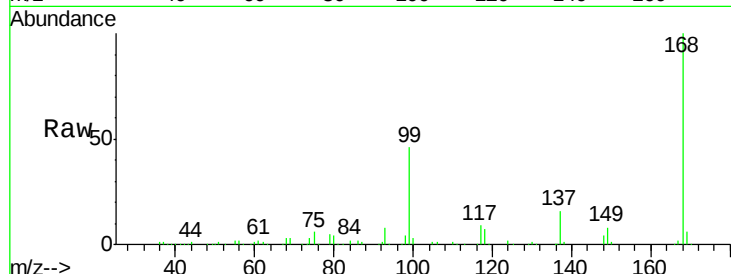
99 45.8 40.6 60.8

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

5.67

80000

60000

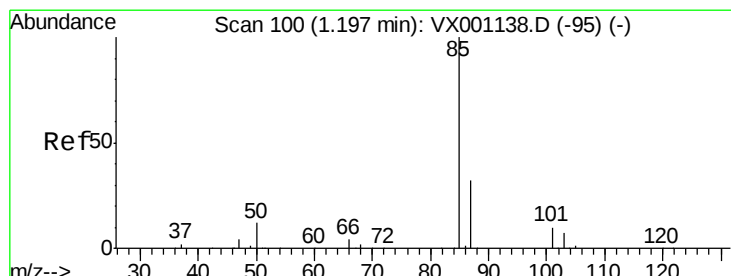
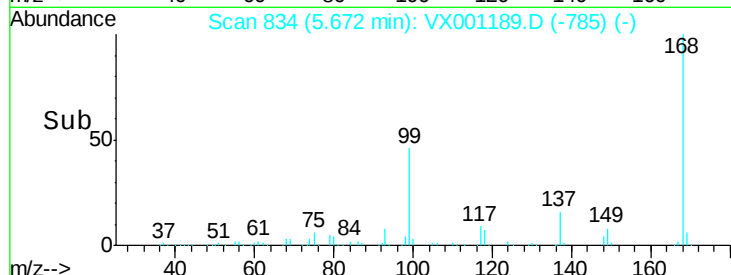
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 20.57 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001189.D

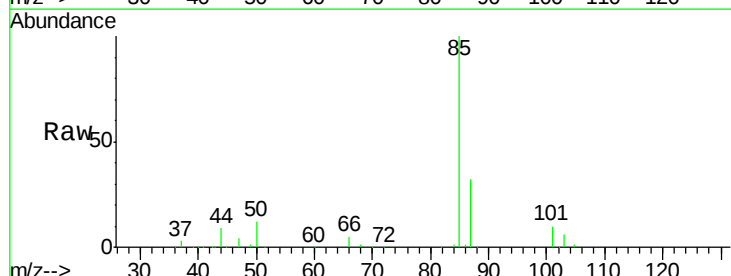
Acq: 28 Apr 2018 00:08

Tgt Ion: 85 Resp: 43604

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

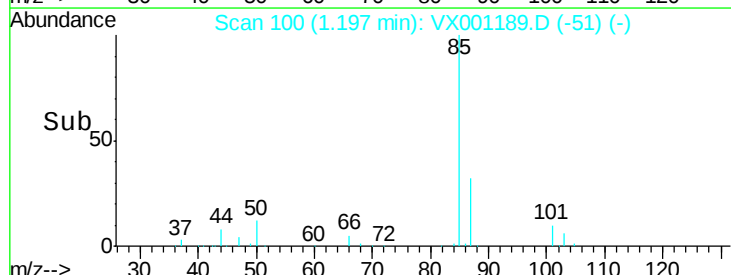
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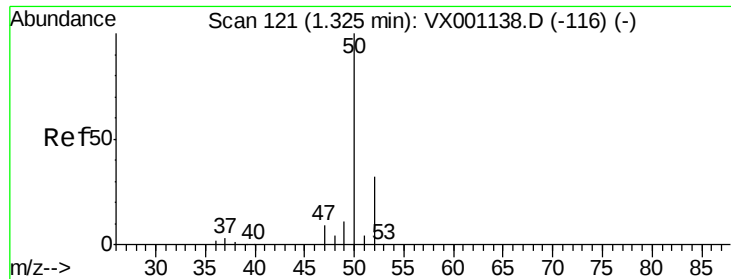
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Time-->

1.15 1.20 1.25 1.30





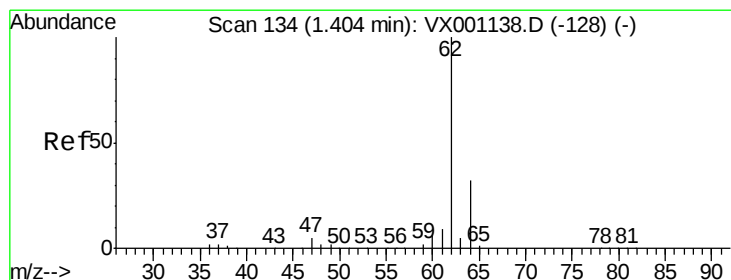
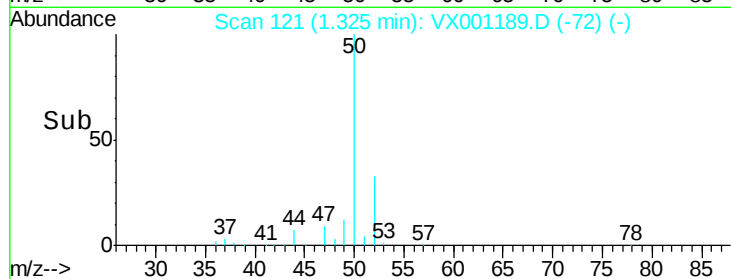
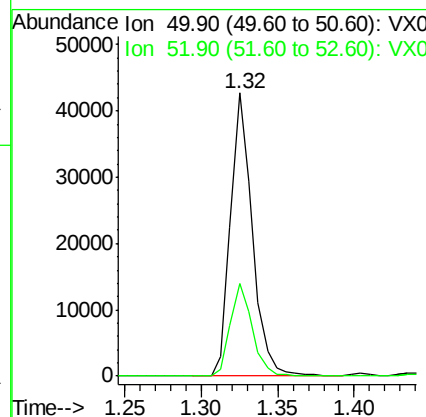
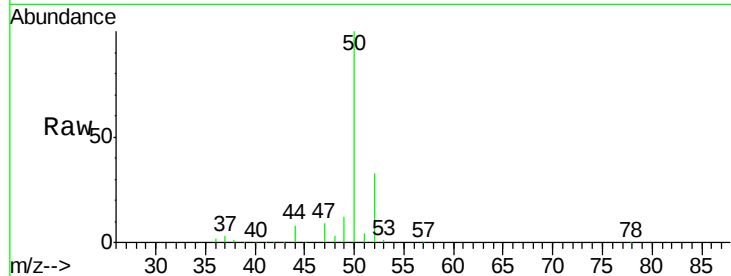
#3
Chloromethane
Concen: 19.08 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.9	38.9

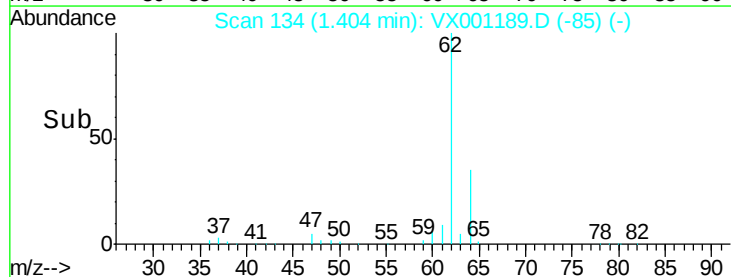
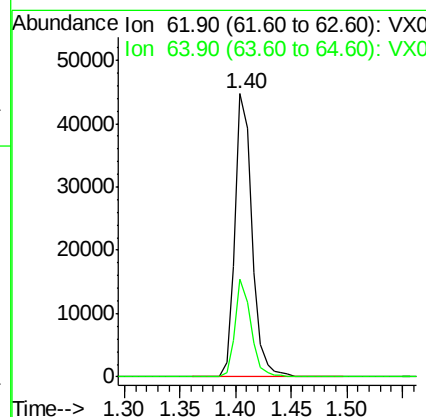
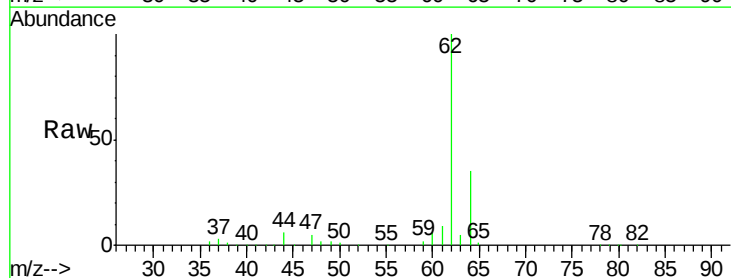
Manual Integrations
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#4
Vinyl Chloride
Concen: 20.22 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
62	100		
64	34.5	25.6	38.4





#5

Bromomethane

Concen: 24.76 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

Tot Ion: 94 Resp: 37288

Ion Ratio Lower Upper

94 100

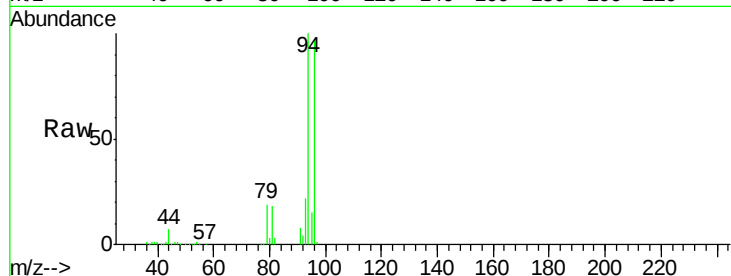
96 97.2 75.3 112.9

Manual Integrations

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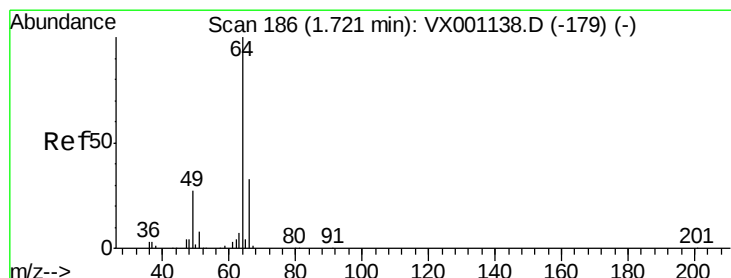
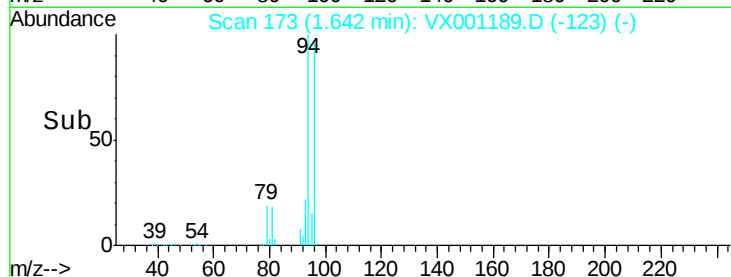
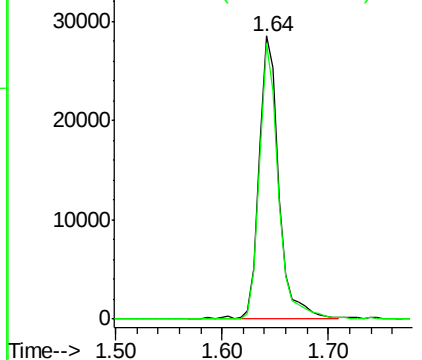
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.89 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001189.D

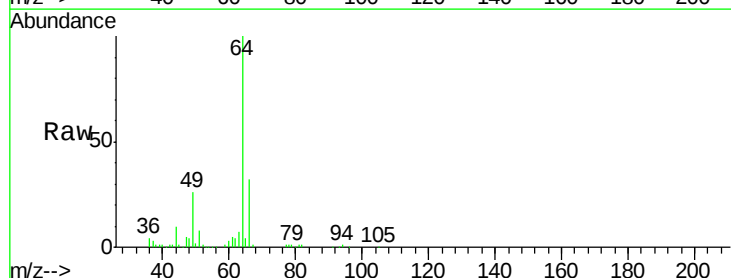
Acq: 28 Apr 2018 00:08

Tgt Ion: 64 Resp: 29475

Ion Ratio Lower Upper

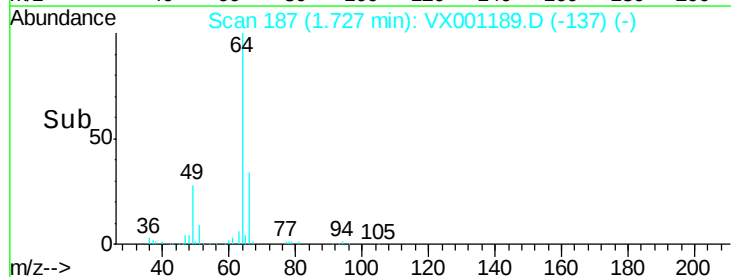
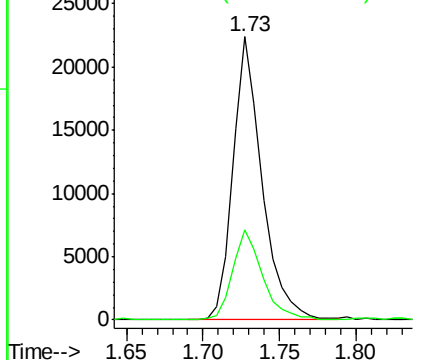
64 100

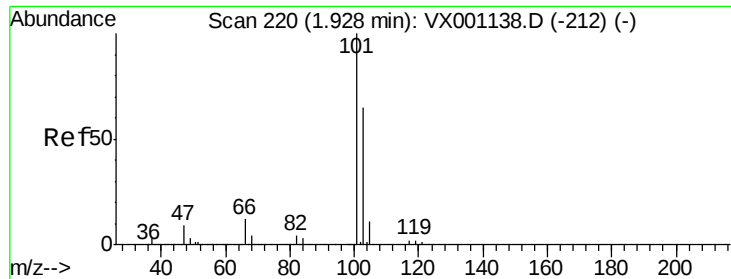
66 31.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

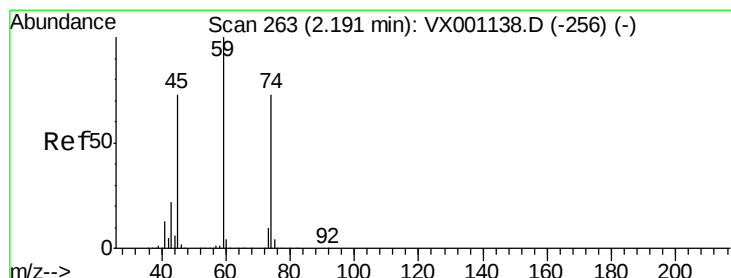
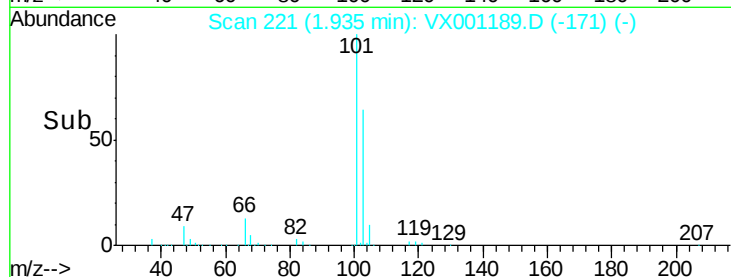
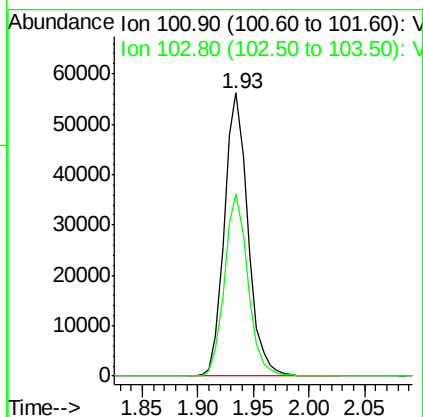
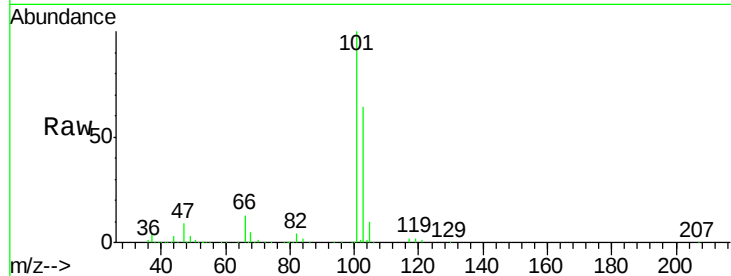
Trichlorofluoromethane
Concen: 21.64 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
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ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9

Manual Integrations
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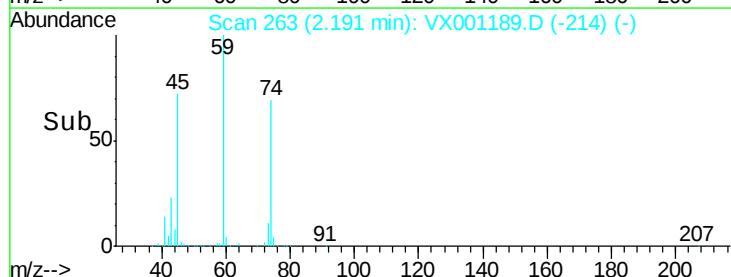
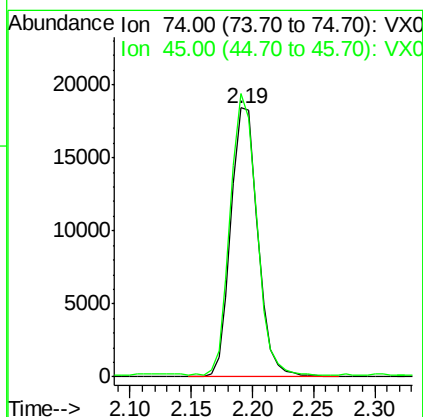
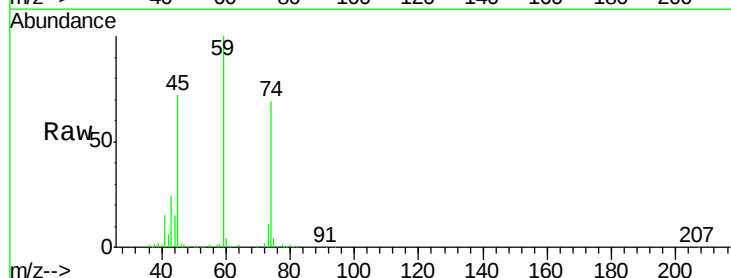
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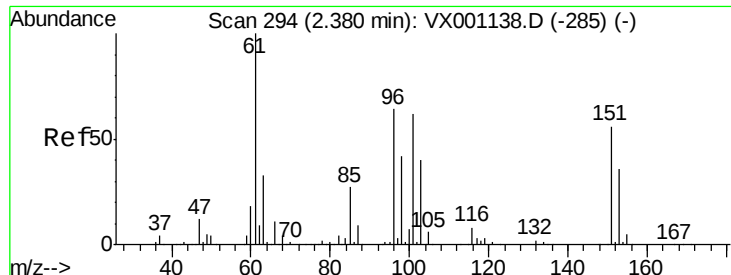


#8

Diethyl Ether
Concen: 19.28 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.17 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

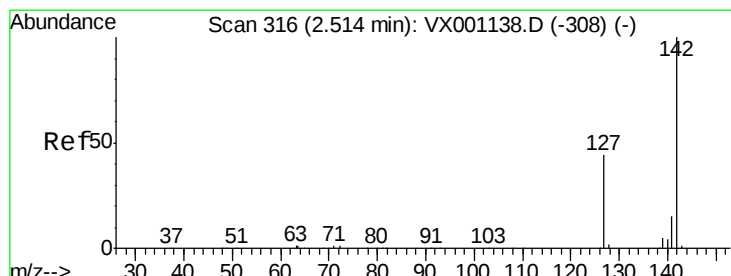
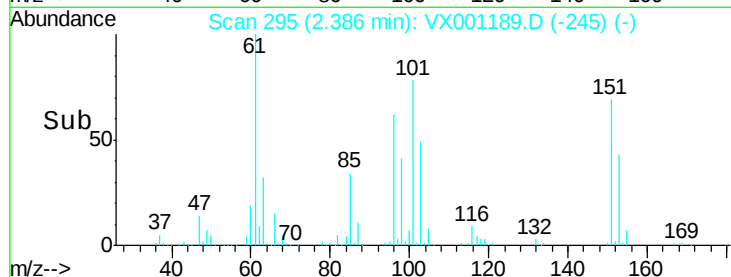
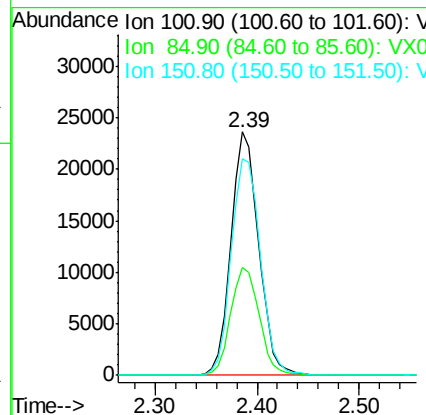
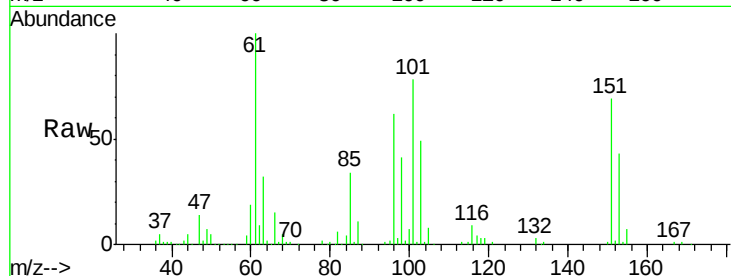
ClientSampleId :

VX0427WBSD02

Tot Ion:	101	Resp:	44363
Ion	Ratio	Lower	Upper
101	100		
85	45.4	35.4	53.0
151	93.7	74.2	111.4

Manual Integrations
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4/30/2018 6:04:42 PM



#10

Methyl Iodide

Concen: 20.14 ug/l

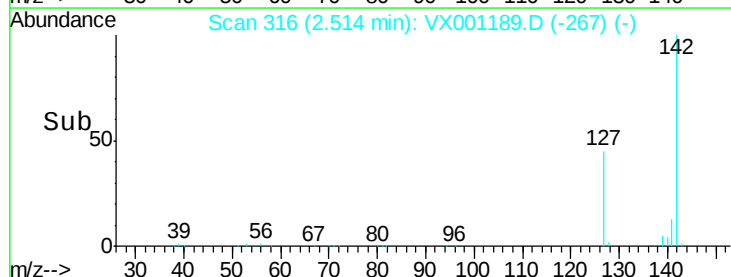
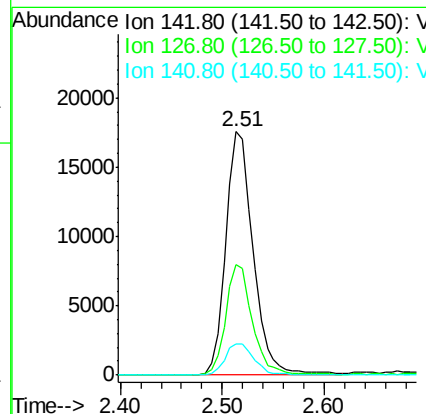
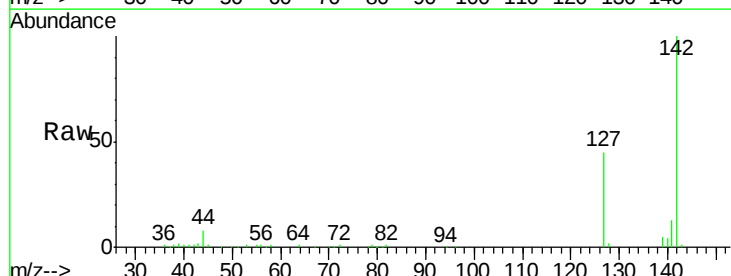
RT: 2.51 min Scan# 316

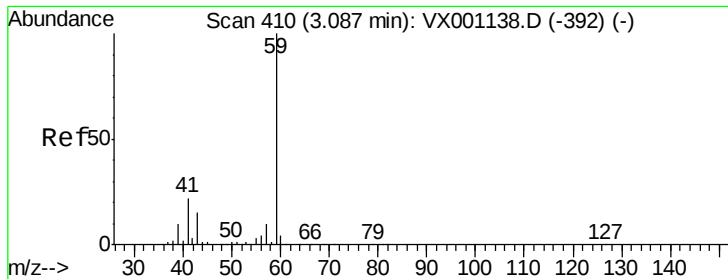
Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion:	142	Resp:	32874
Ion	Ratio	Lower	Upper
142	100		
127	43.8	34.7	52.1
141	13.4	11.6	17.4





#11

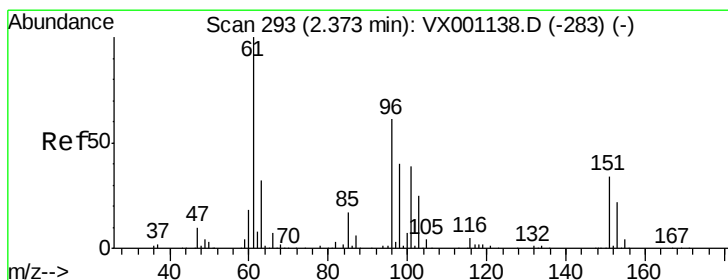
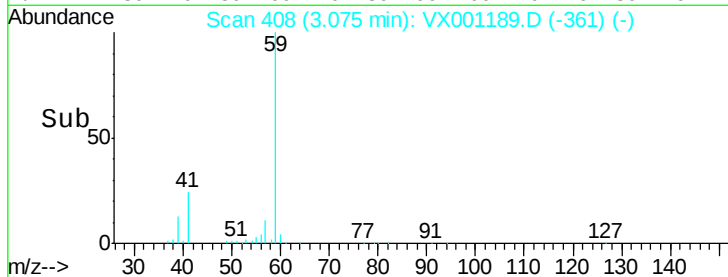
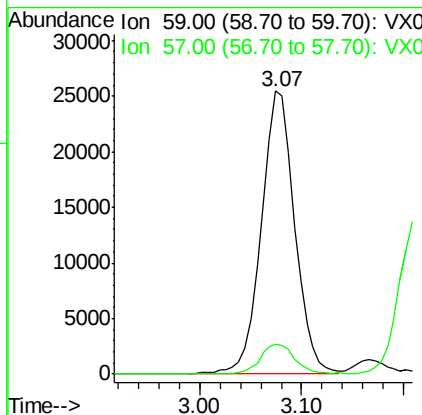
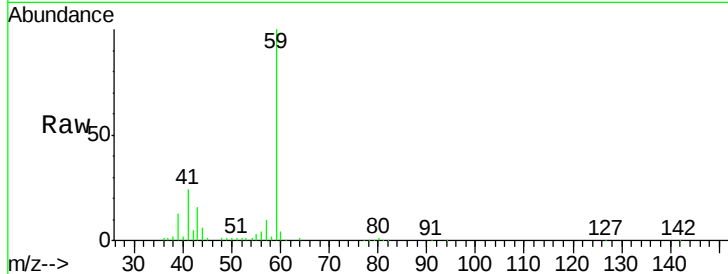
Tert butyl alcohol
Concen: 93.80 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.4

Manual Integrations
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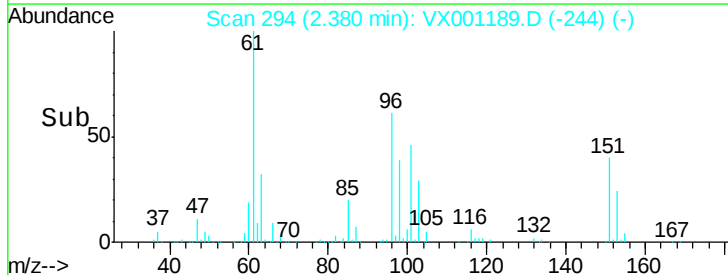
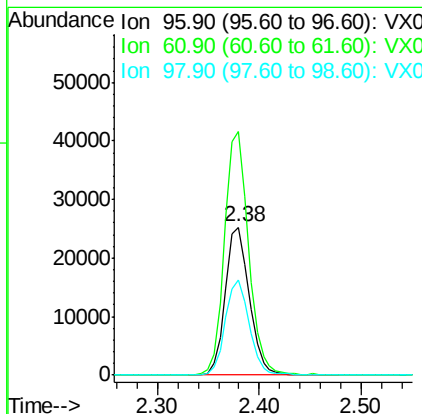
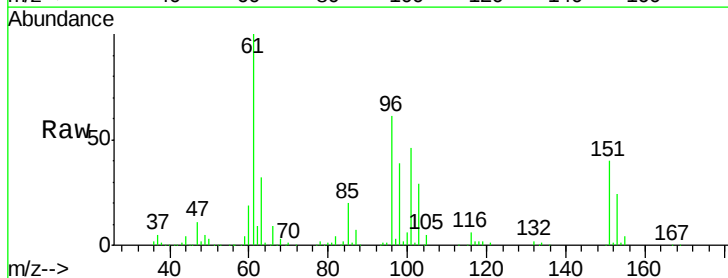
MMDadoda
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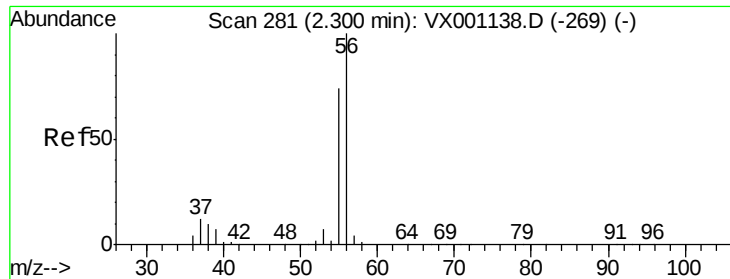


#12

1,1-Dichloroethene
Concen: 20.23 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	130.2	195.4
98	64.1	51.5	77.3





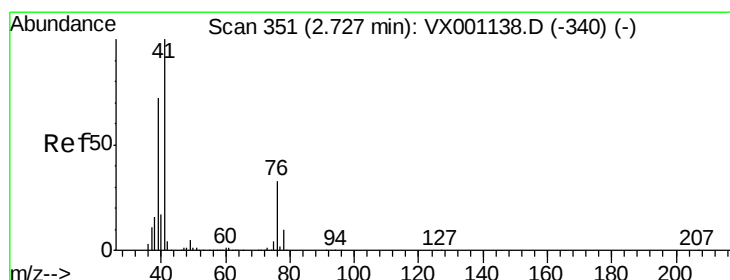
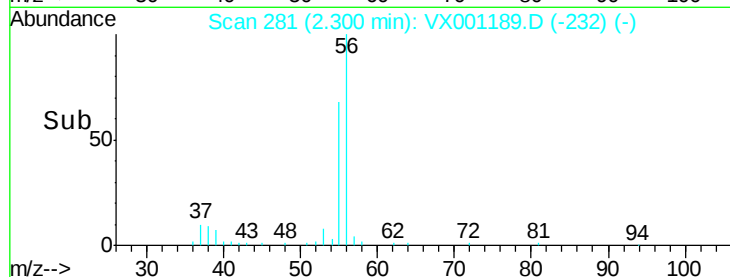
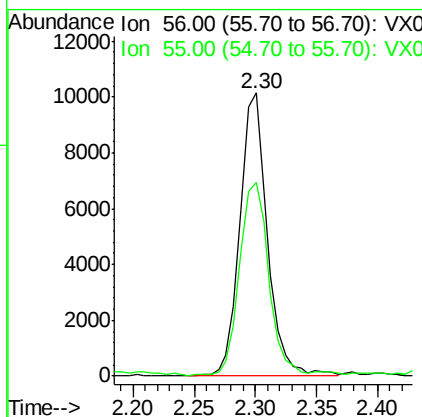
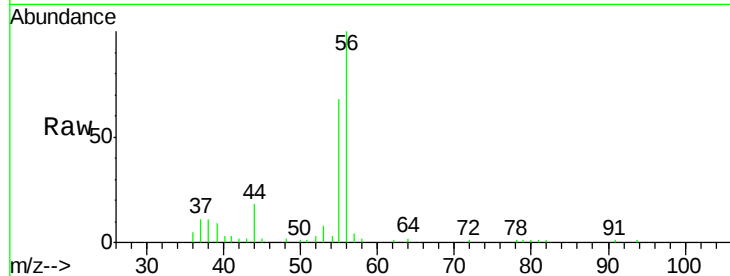
#13
Acrolein
Concen: 67.81 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	56	55	Ratio	Lower	Upper
15836	100	73.0		57.2	85.8

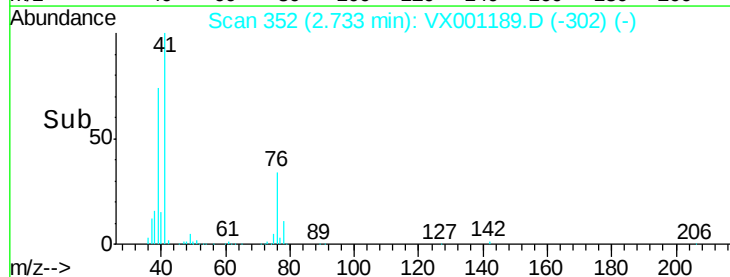
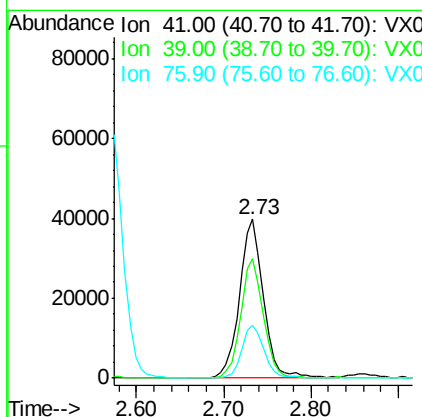
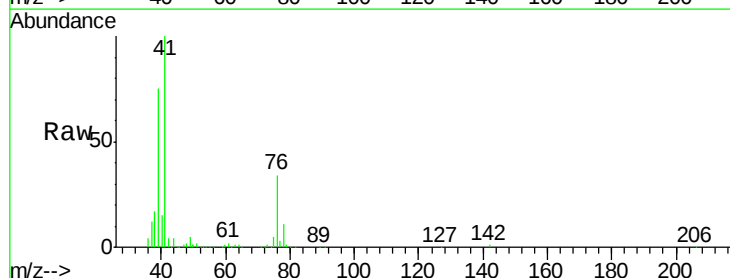
Manual Integrations
APPROVED

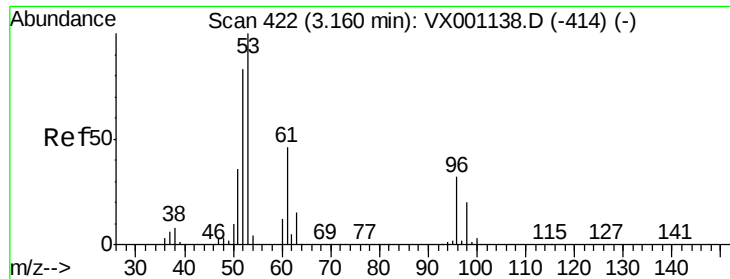
MMDadoda
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#14
Allyl chloride
Concen: 20.04 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	41	39	76	Ratio	Lower	Upper
74712	100	71.3	31.2		55.6	83.4
					24.8	37.2





#15

Acrylonitrile

Concen: 92.69 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

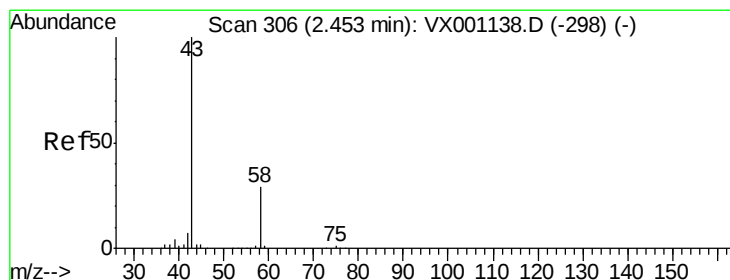
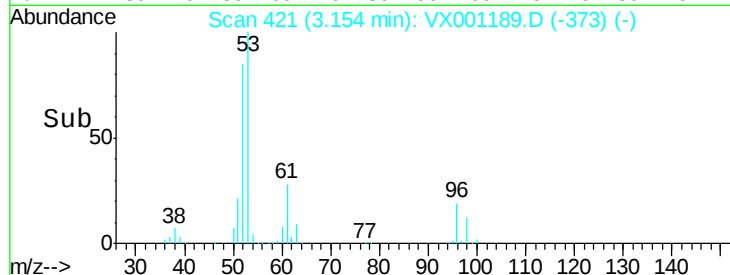
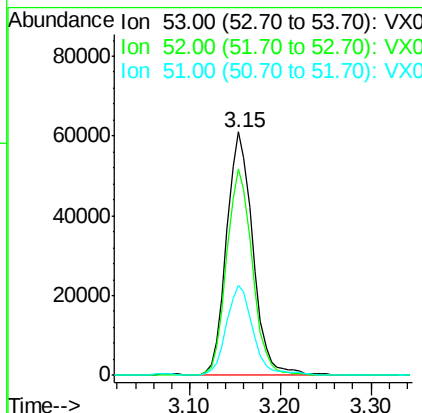
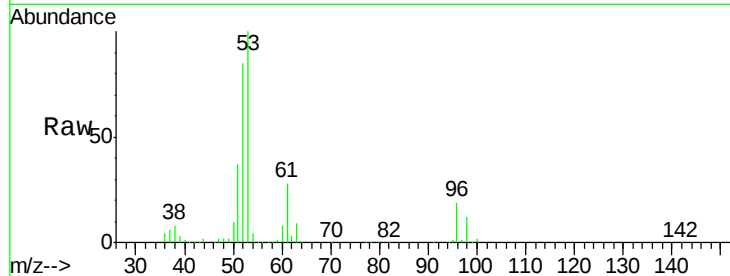
ClientSampleId :

VX0427WBSD02

Tot Ion:	53	Resp:	122265
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.5	99.7
51	37.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 87.79 ug/l

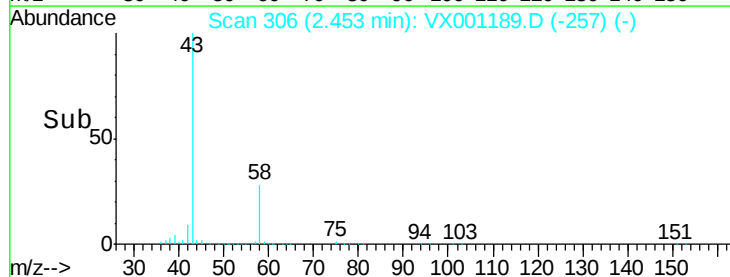
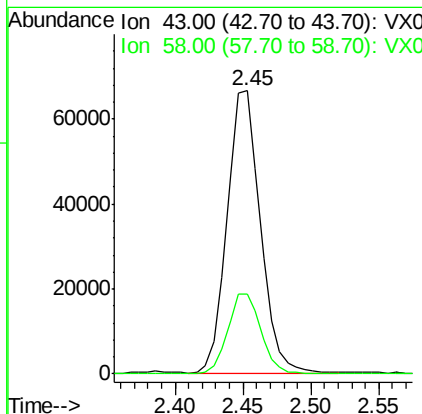
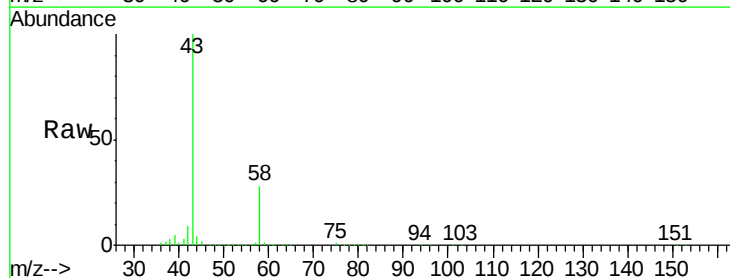
RT: 2.45 min Scan# 306

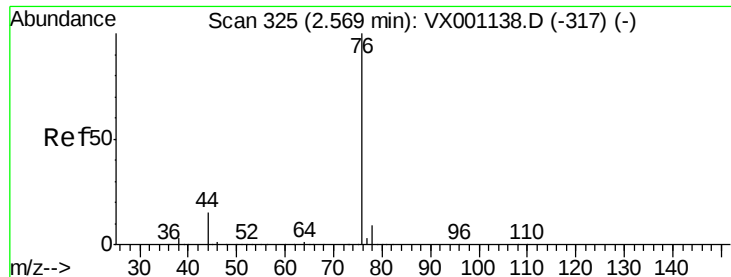
Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion:	43	Resp:	113094
Ion Ratio	Lower	Upper	
43	100		
58	28.4	23.0	34.6





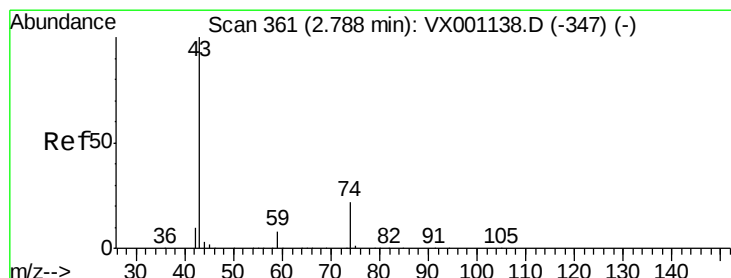
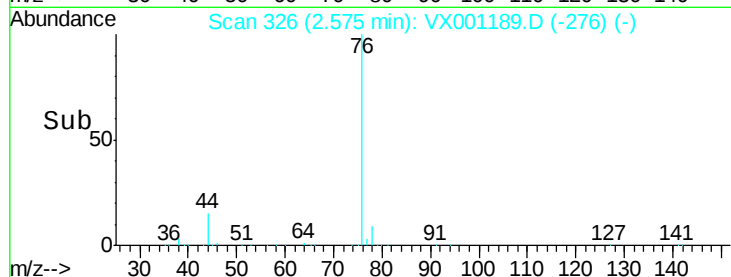
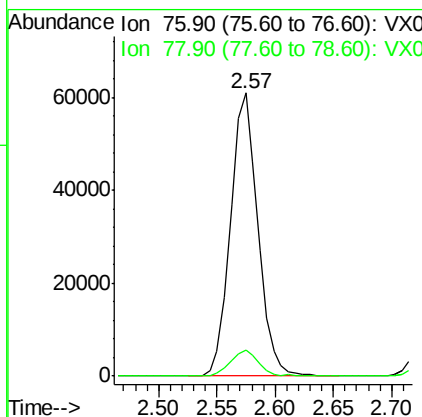
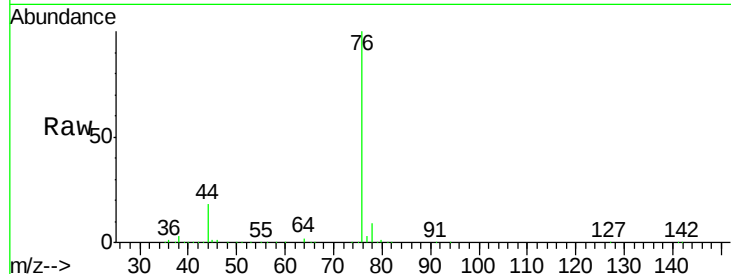
#17
Carbon Disulfide
Concen: 19.16 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

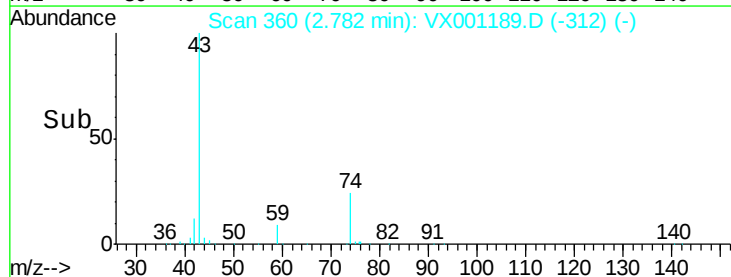
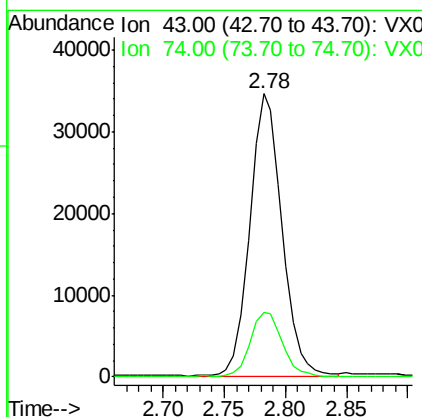
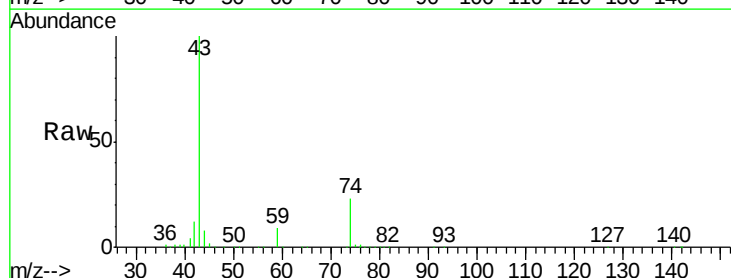
Manual Integrations
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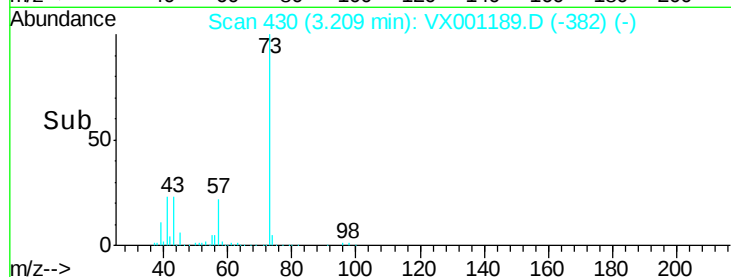
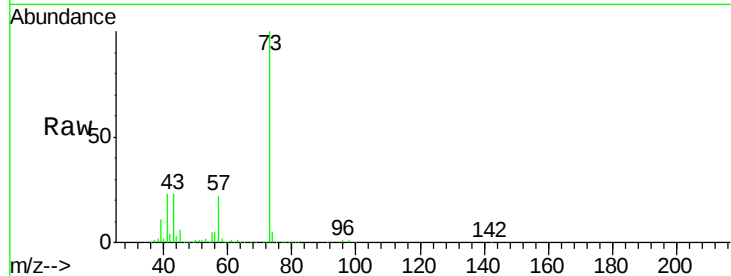
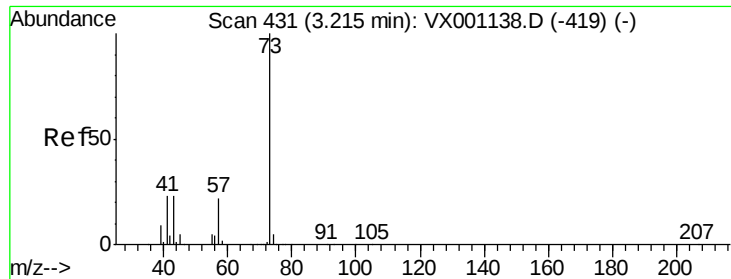
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#18
Methyl Acetate
Concen: 19.60 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.1	27.1





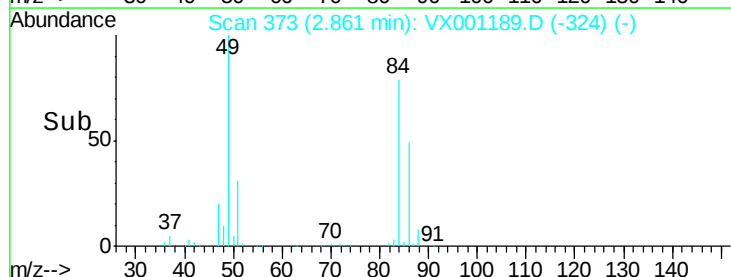
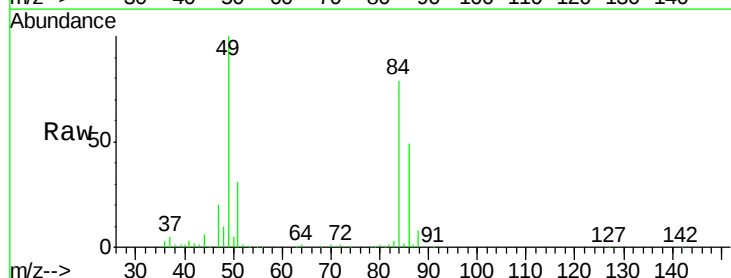
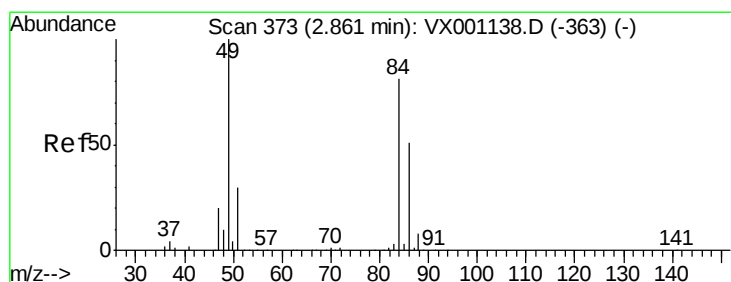
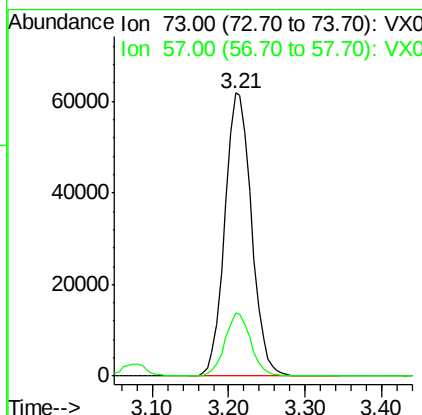
#19
Methyl tert-butyl Ether
Concen: 19.79 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tot Ion	73	Resp	148837
Ion Ratio	100	Lower	Upper
73	100		
57	22.2	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

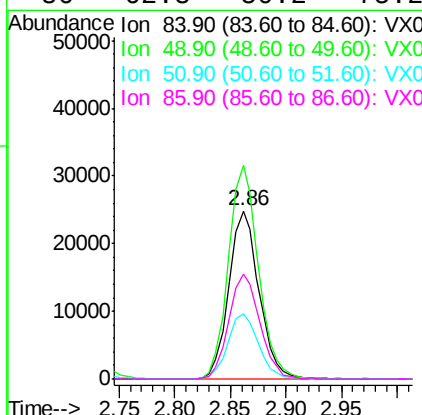
Manual Integrations
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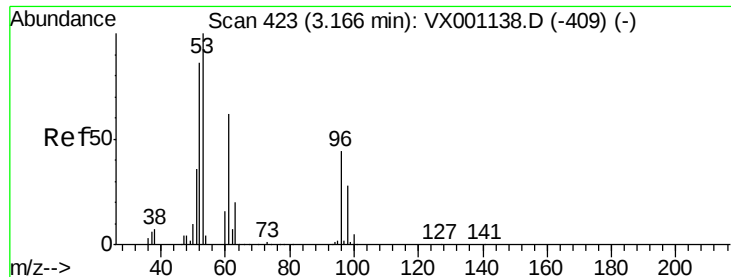
MMDadoda
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#20
Methylene Chloride
Concen: 19.52 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	84	Resp	46820
Ion Ratio	100	Lower	Upper
84	100		
49	127.3	99.2	148.8
51	39.1	29.5	44.3
86	62.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 19.93 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

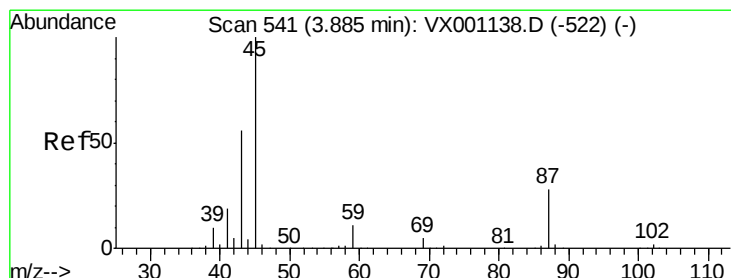
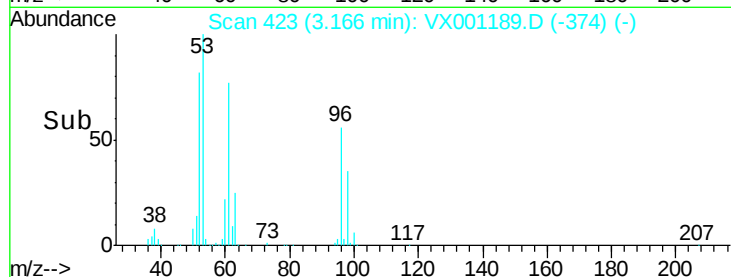
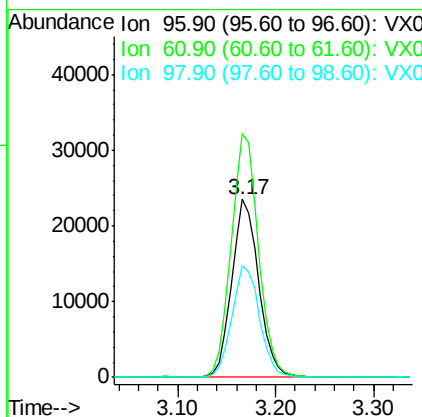
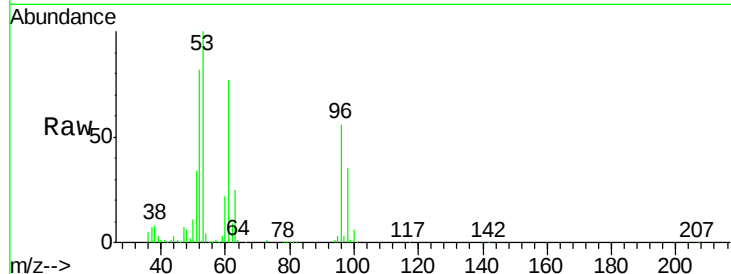
ClientSampleId :

VX0427WBSD02

Tot Ion:	96	Resp:	45018
Ion	Ratio	Lower	Upper
96	100		
61	137.0	111.9	167.9
98	62.6	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.97 ug/l

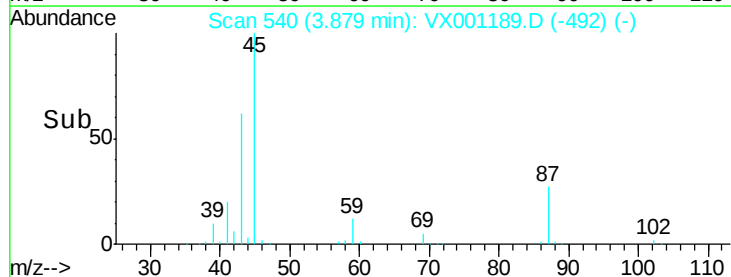
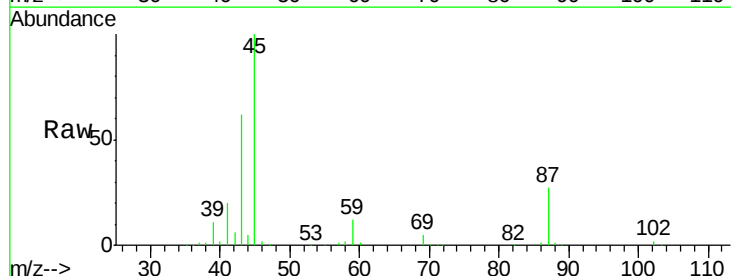
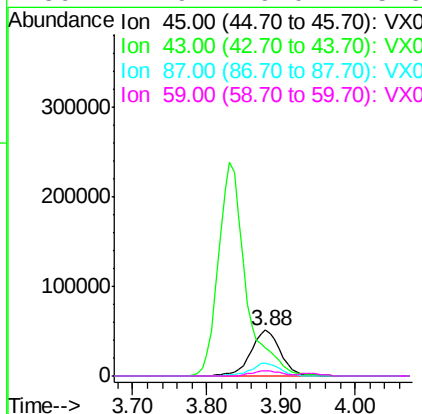
RT: 3.88 min Scan# 540

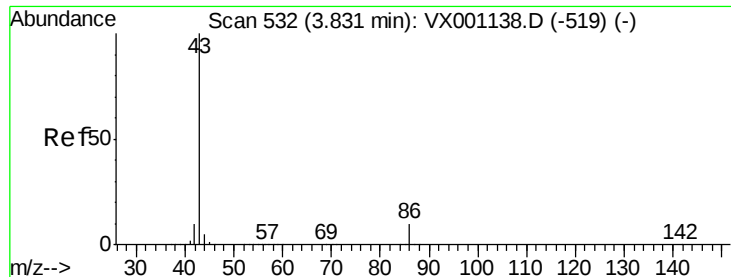
Delta R.T. -0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion:	45	Resp:	141519
Ion	Ratio	Lower	Upper
45	100		
43	61.7	45.0	67.4
87	27.0	22.8	34.2
59	11.9	9.0	13.6





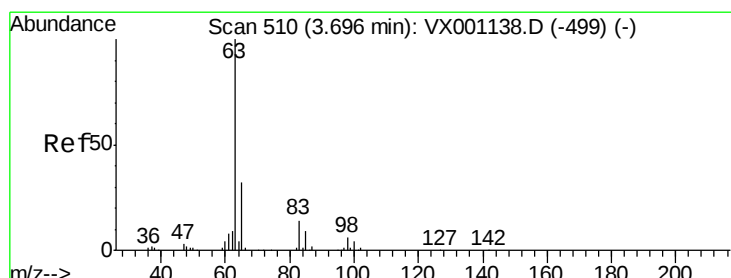
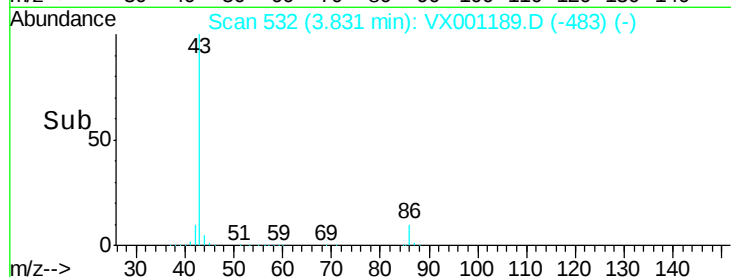
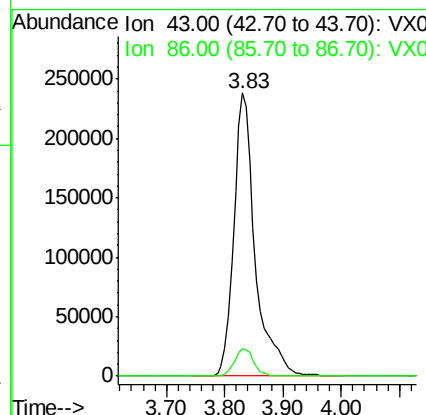
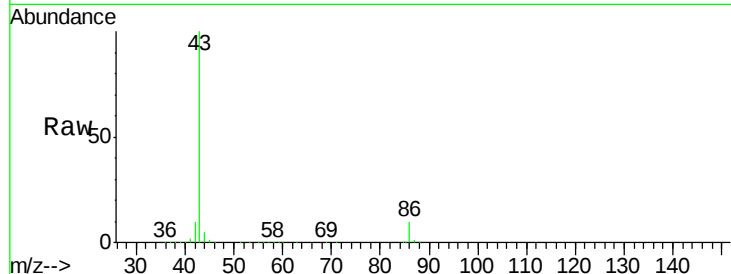
#23
 Vinyl Acetate
 Concen: 96.19 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	43	Resp	608705
Ion Ratio	100	Lower	Upper
43	100		
86	9.6	8.0	12.0

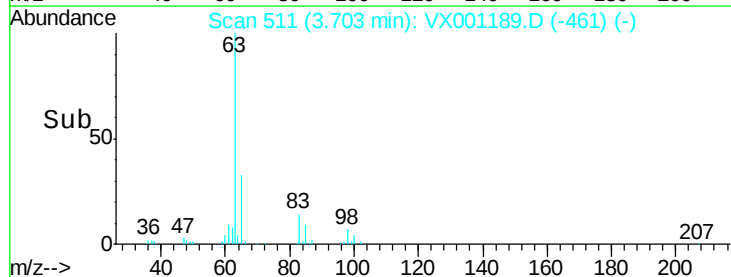
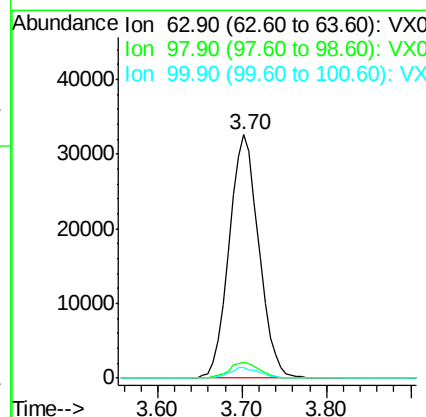
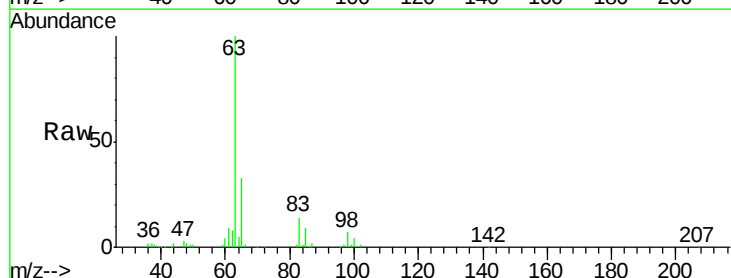
Manual Integrations
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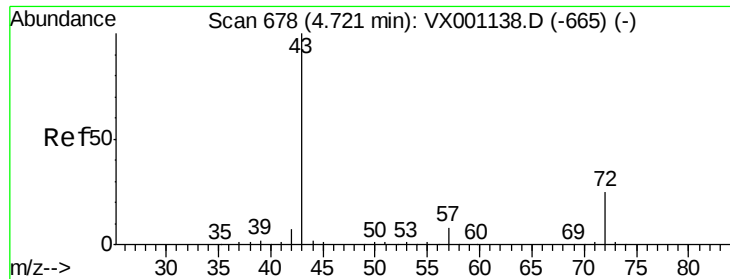
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 4/30/2018 6:04:42 PM



#24
 1,1-Dichloroethane
 Concen: 19.92 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	63	Resp	78097
Ion Ratio	100	Lower	Upper
63	100		
98	6.7	3.1	9.4
100	4.5	2.1	6.5





#25

2-Butanone

Concen: 87.78 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

Tot Ion: 43 Resp: 169196

Ion Ratio Lower Upper

43 100

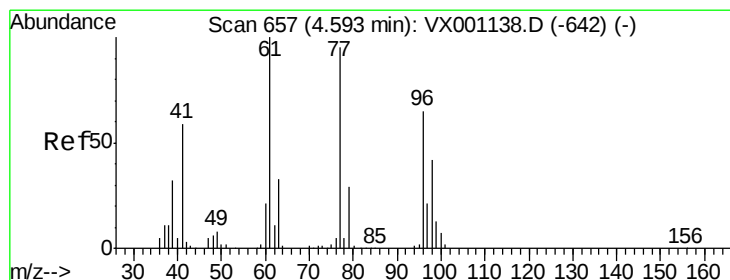
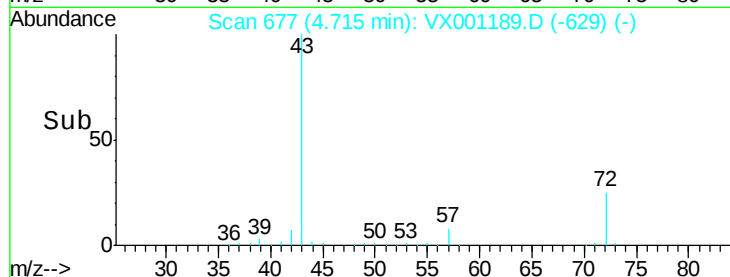
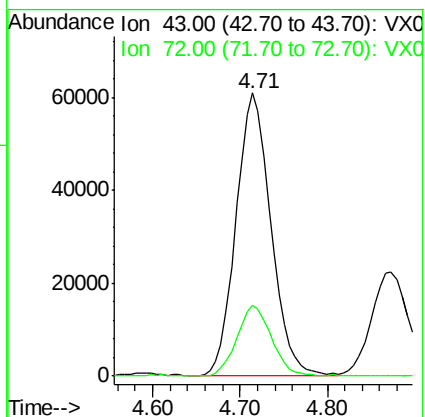
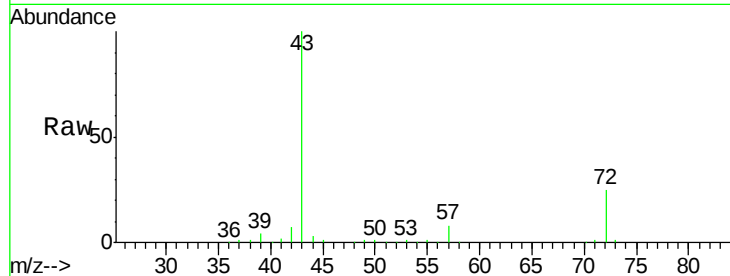
72 24.9 20.0 30.0

Manual Integrations

APPROVED

MMDadoda

4/30/2018 6:04:42 PM



#26

2,2-Dichloropropane

Concen: 16.66 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001189.D

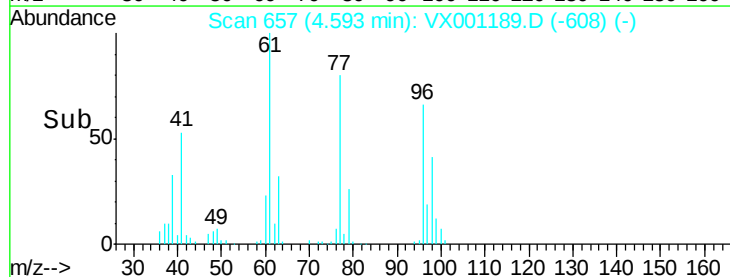
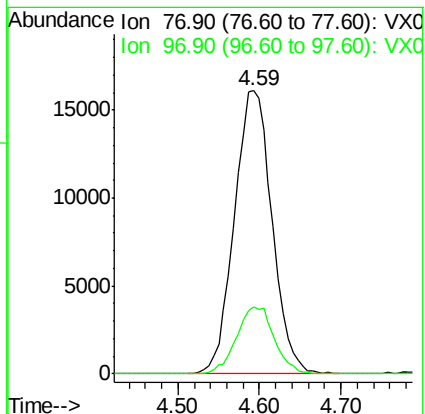
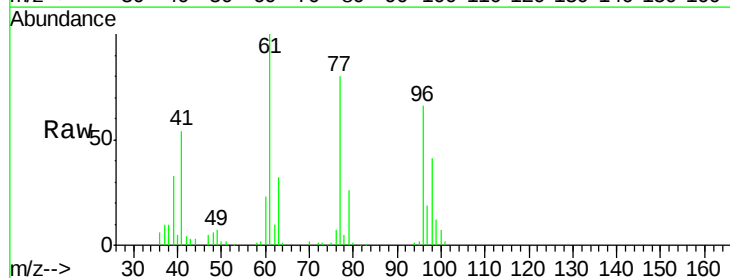
Acq: 28 Apr 2018 00:08

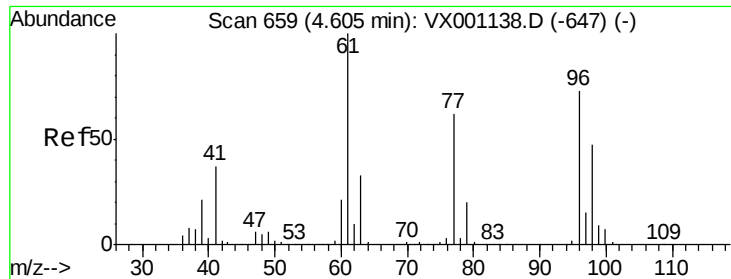
Tgt Ion: 77 Resp: 51420

Ion Ratio Lower Upper

77 100

97 23.8 11.4 34.2





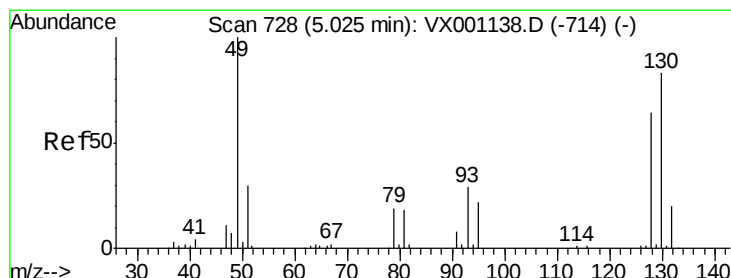
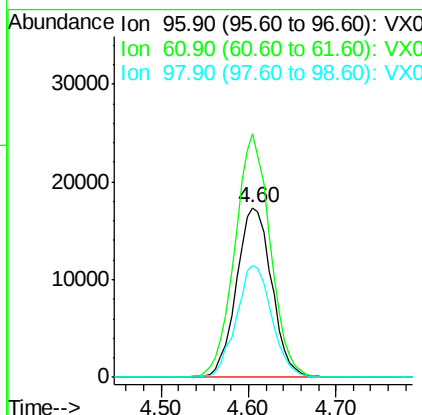
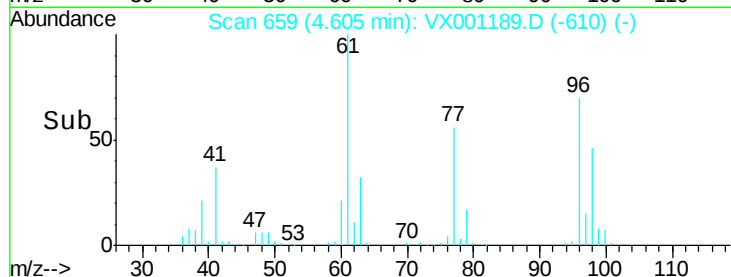
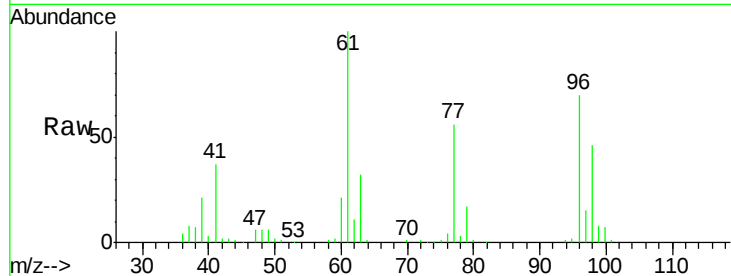
#27
 cis-1,2-Dichloroethene
 Concen: 19.68 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	48680		
61	144.0	0.0	289.0	
98	66.0	0.0	128.2	

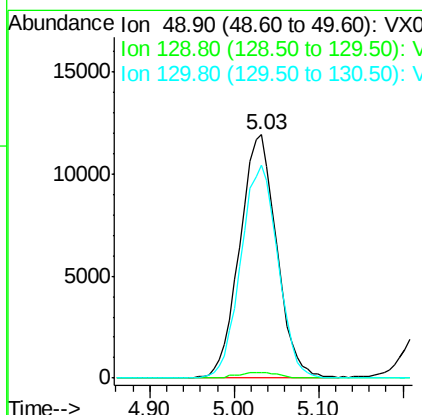
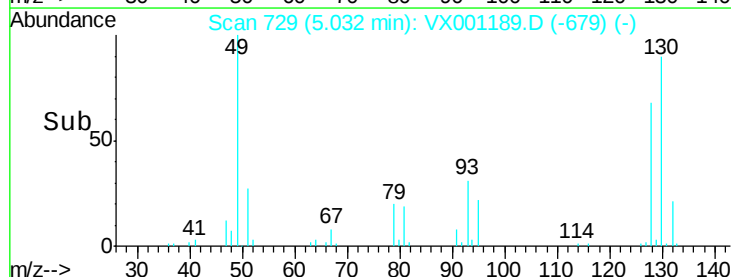
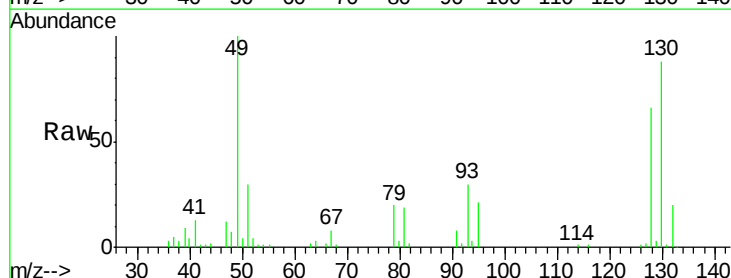
Manual Integrations
 APPROVED

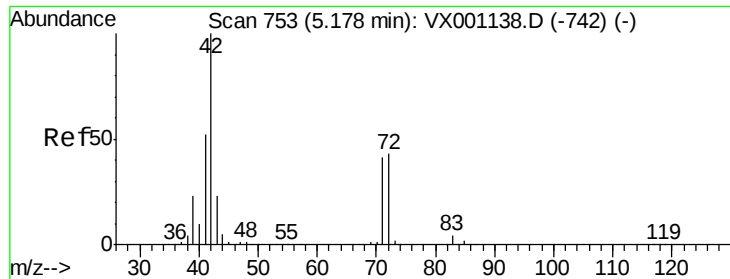
MMDadoda
 4/30/2018 6:04:42 PM



#28
 Bromochloromethane
 Concen: 20.19 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35484		
129	2.5	0.0	4.6	
130	87.5	68.2	102.2	





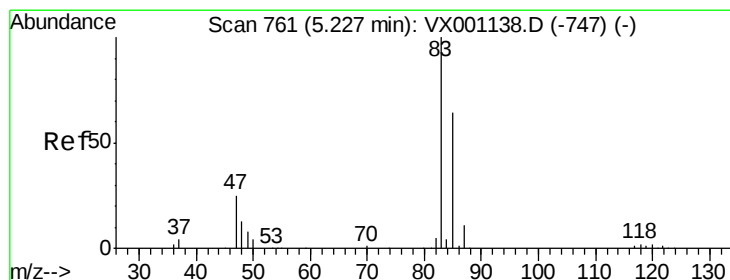
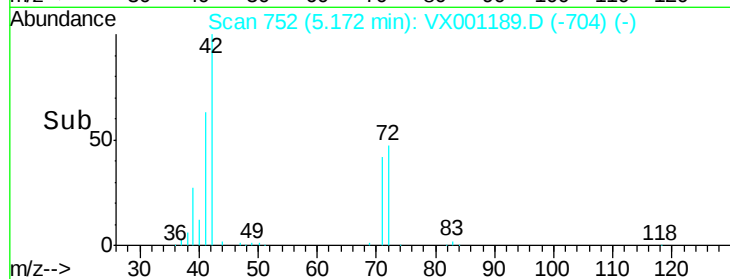
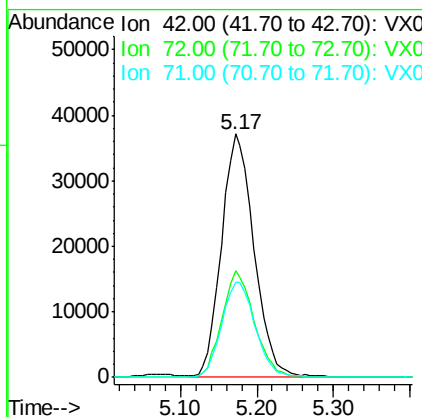
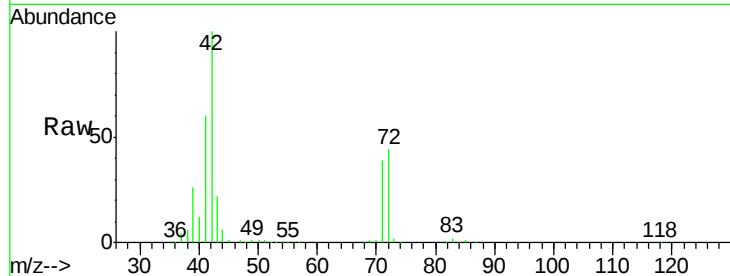
#29
Tetrahydrofuran
Concen: 87.88 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.4	51.6
71	40.6	32.1	48.1

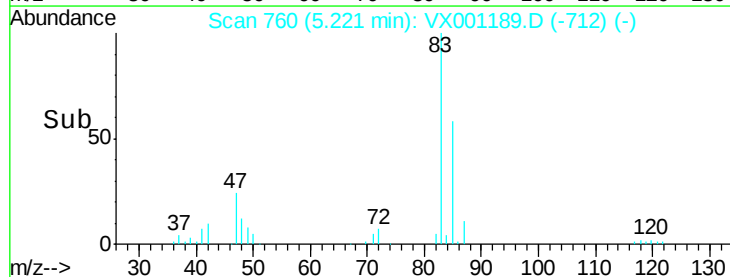
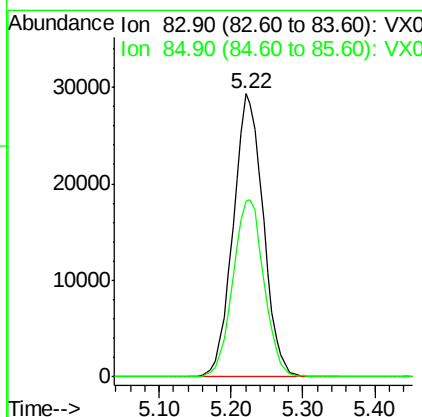
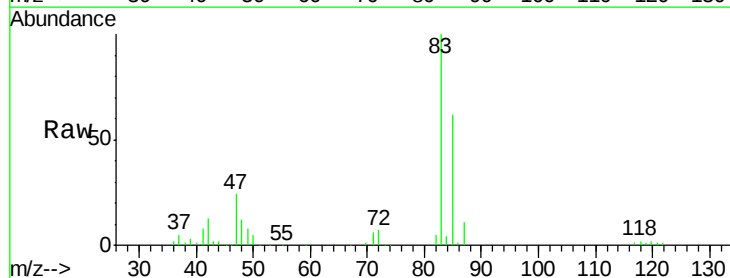
Manual Integrations
APPROVED

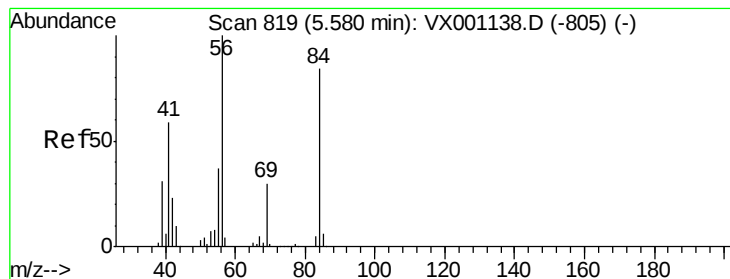
MMDadoda
4/30/2018 6:04:42 PM



#30
Chloroform
Concen: 20.34 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.4	77.0





#31

Cyclohexane

Concen: 20.34 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

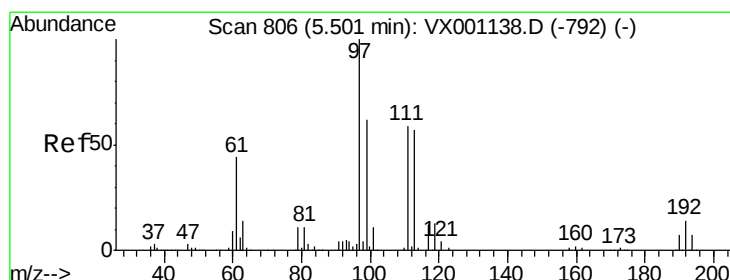
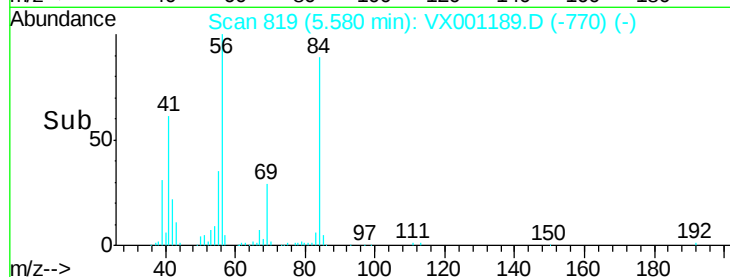
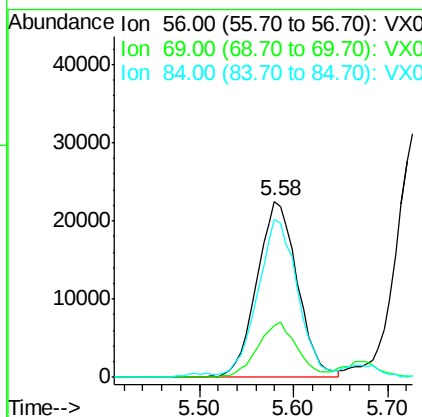
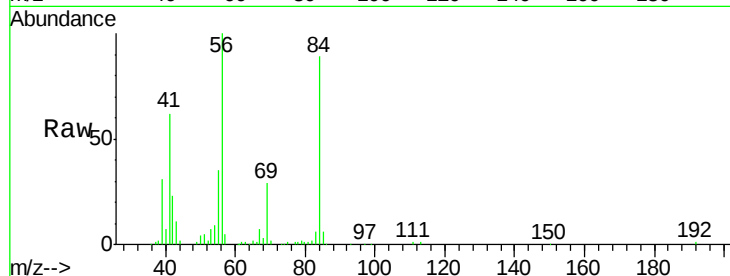
ClientSampleId :

VX0427WBSD02

Tot Ion:	56	Resp:	67744
Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.2	36.2
84	88.0	67.5	101.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.17 ug/l

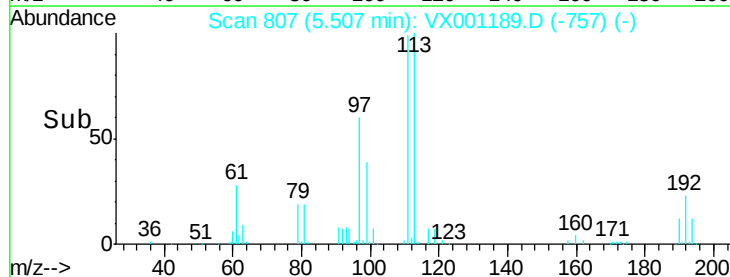
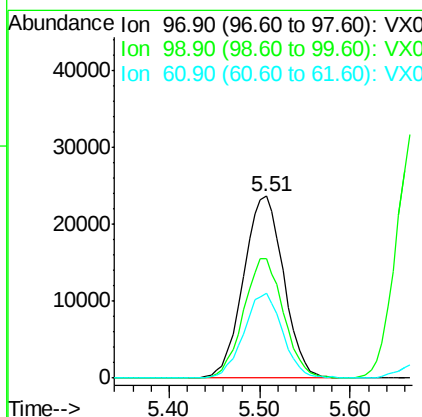
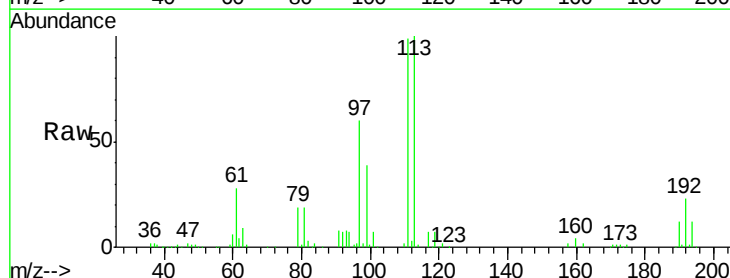
RT: 5.51 min Scan# 807

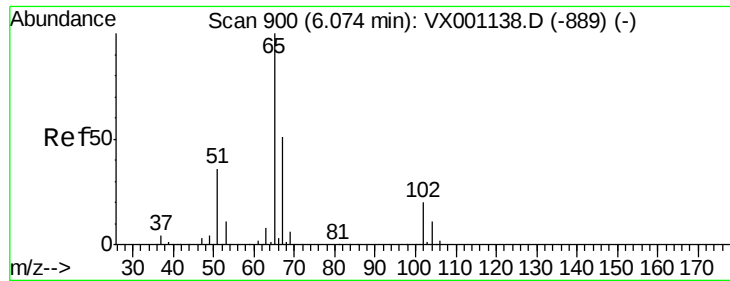
Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion:	97	Resp:	72590
Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	45.1	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 44.47 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tot Ion: 65 Resp: 139301

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.2

Instrument :

MSVOA_X

ClientSampleId :

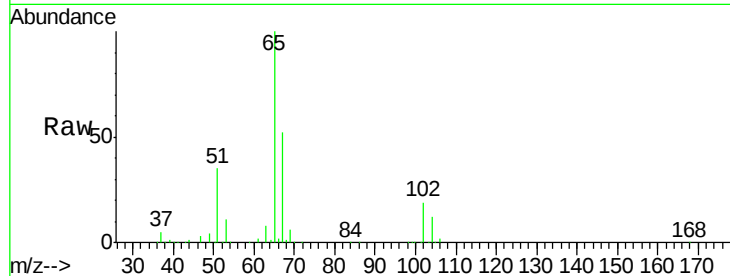
VX0427WBSD02

Manual Integrations

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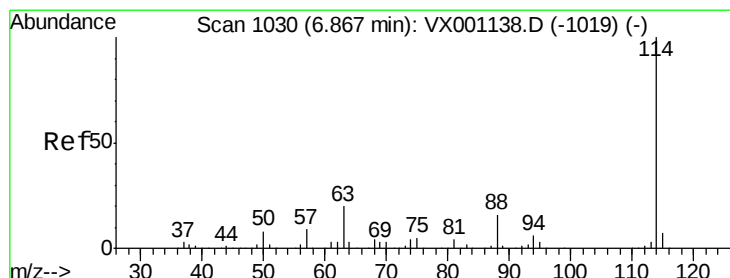
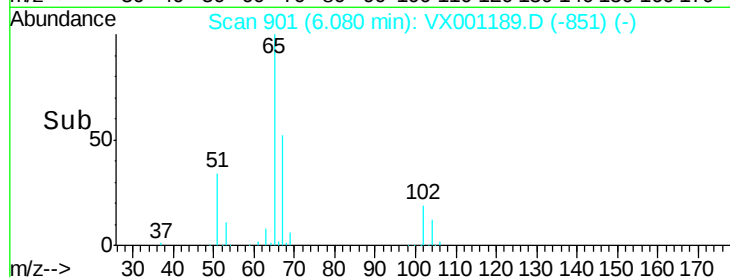
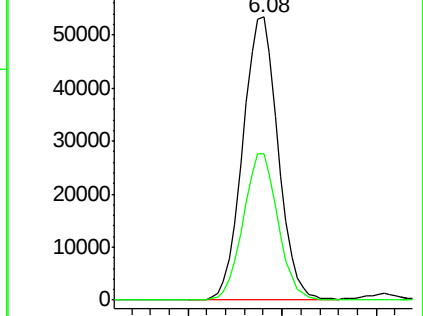
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Abundance Ion 64.90 (64.60 to 65.60): VX0

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: VX001189.D

Acq: 28 Apr 2018 00:08

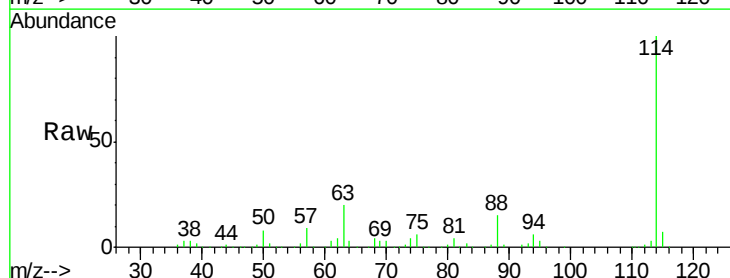
Tgt Ion: 114 Resp: 275947

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

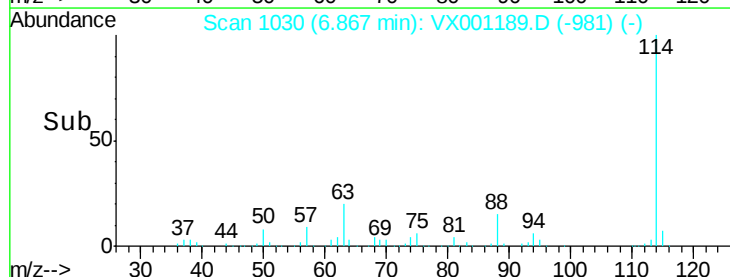
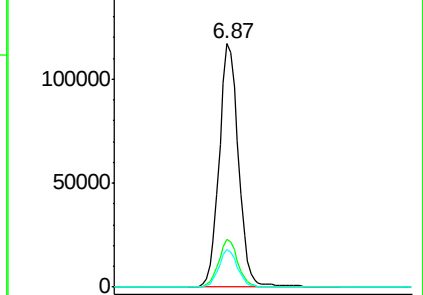
88 15.3 0.0 31.8

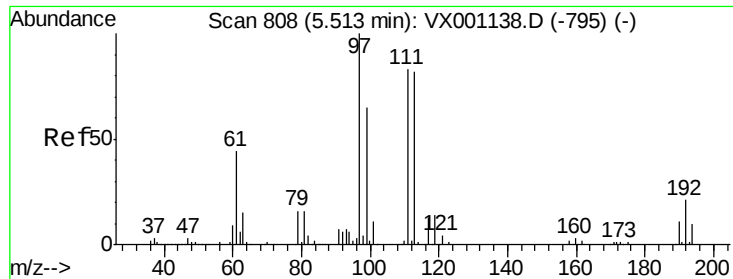


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





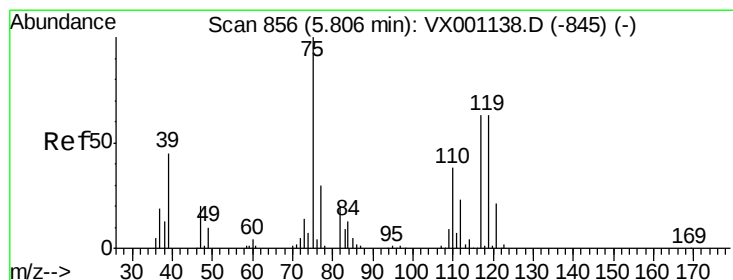
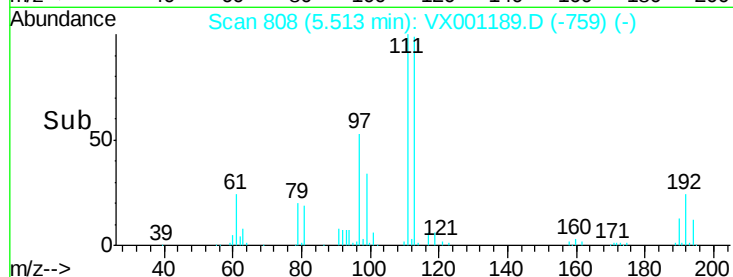
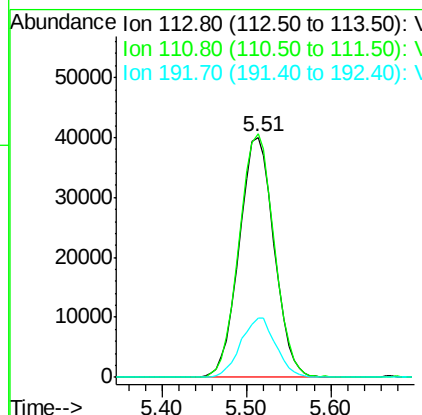
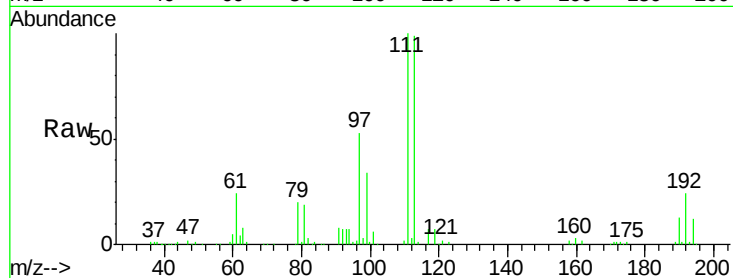
#35
 Dibromofluoromethane
 Concen: 49.25 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	82.2	123.4	
192	25.0	20.6	30.8	

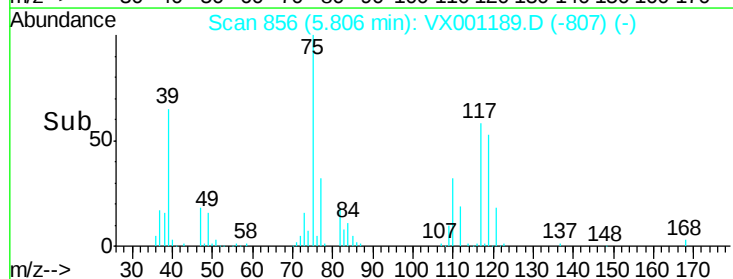
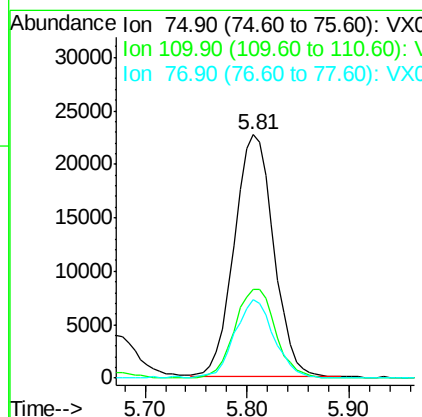
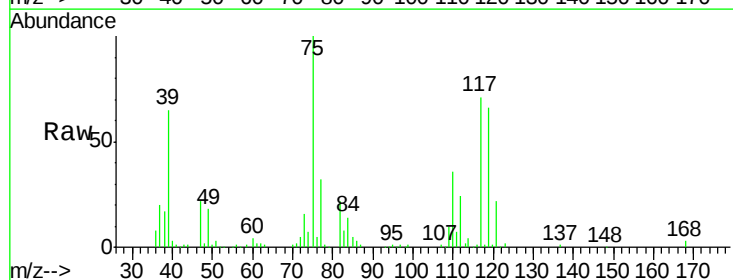
Manual Integrations
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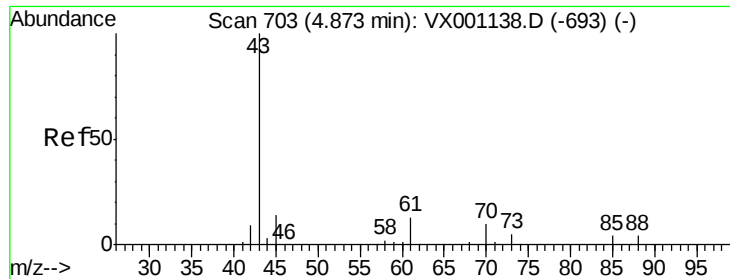
MMDadoda
 4/30/2018 6:04:42 PM



#36
 1,1-Dichloropropene
 Concen: 20.00 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.0	19.0	57.0	
77	32.3	24.8	37.2	





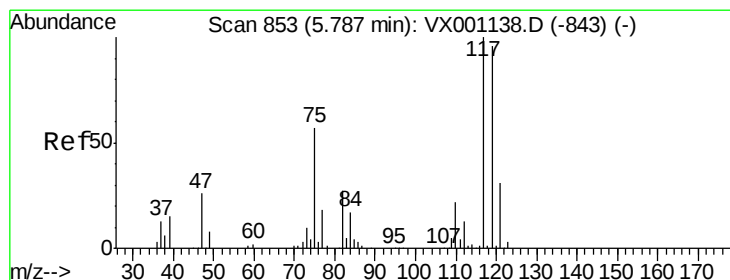
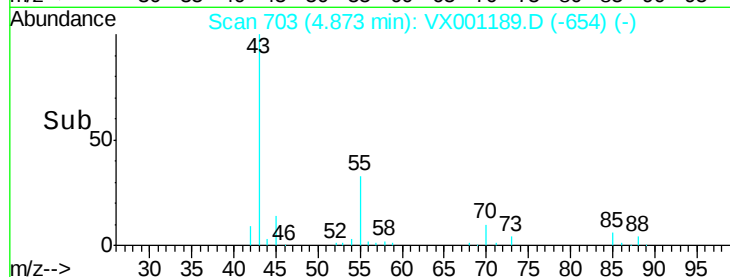
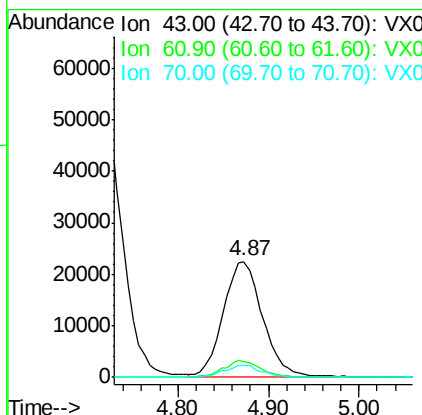
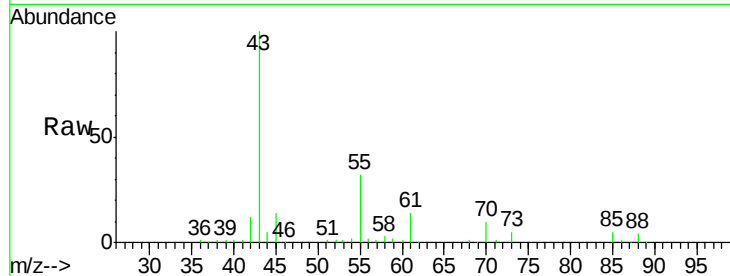
#37
Ethyl Acetate
Concen: 18.29 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.6
70	10.2	8.2	12.2

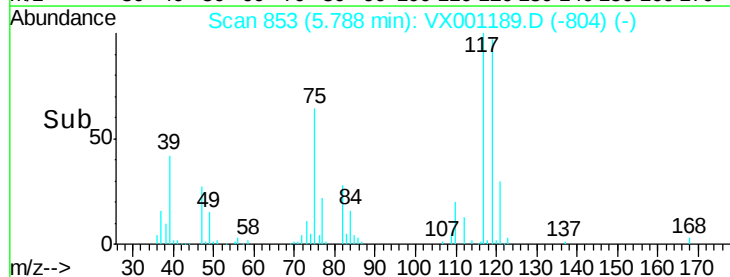
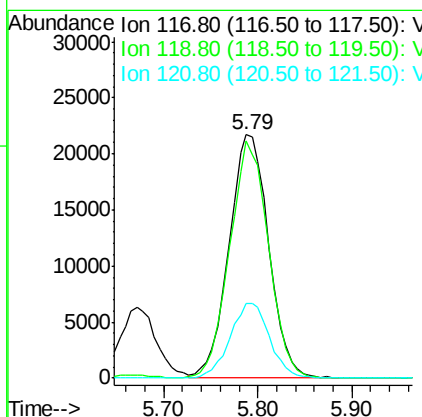
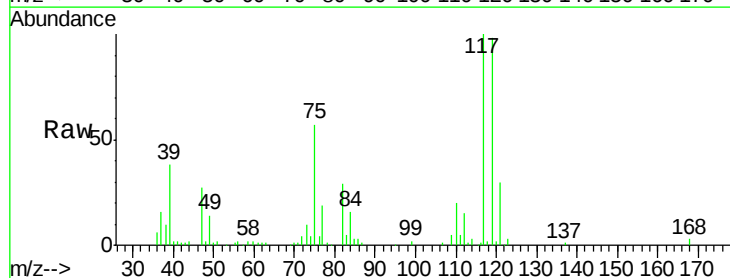
Manual Integrations
APPROVED

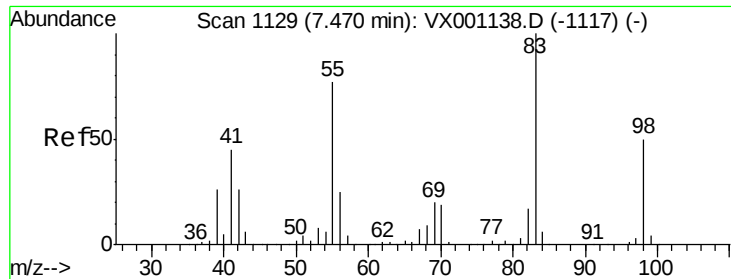
MMDadoda
4/30/2018 6:04:42 PM



#38
Carbon Tetrachloride
Concen: 20.46 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.5	114.7
121	30.5	24.6	37.0





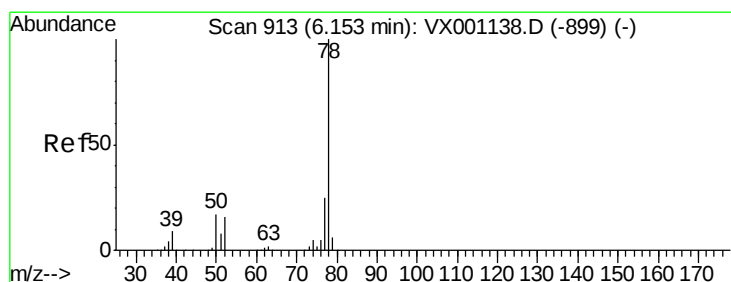
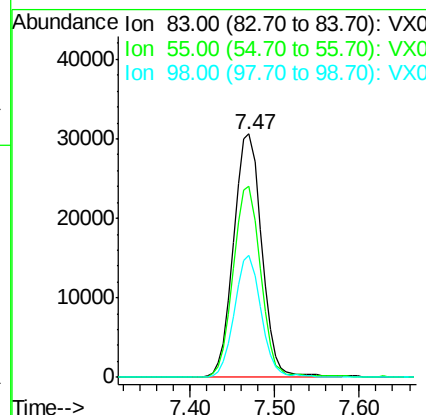
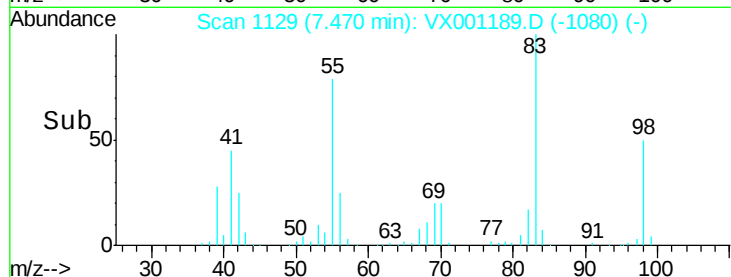
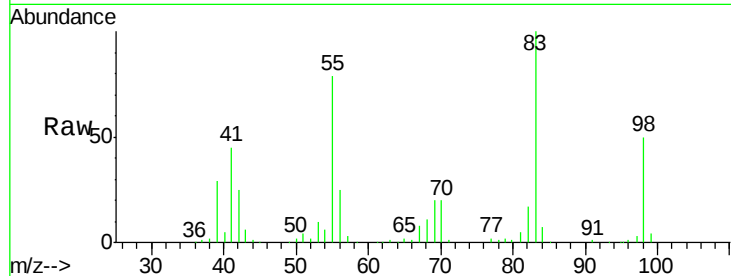
#39
Methvlcvclohexane
Concen: 20.56 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.7	61.8	92.6	
98	50.3	40.0	60.0	

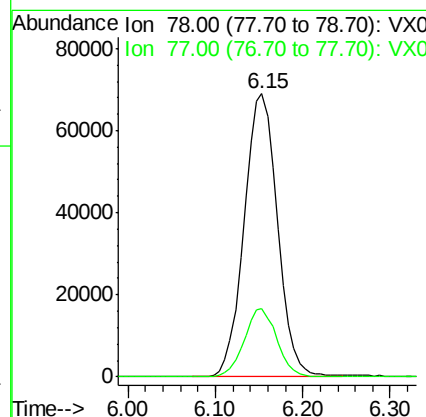
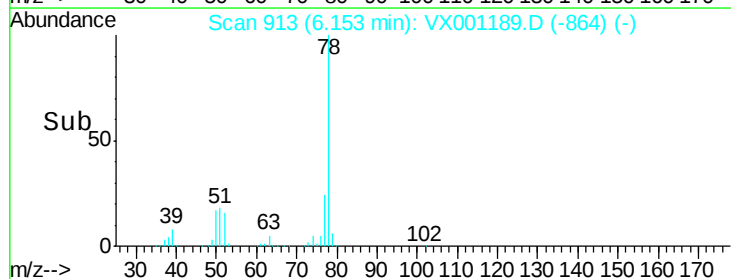
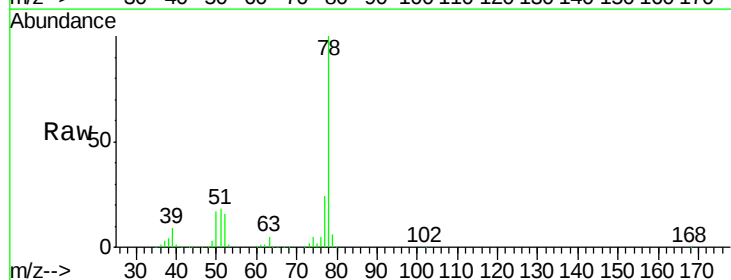
Manual Integrations
APPROVED

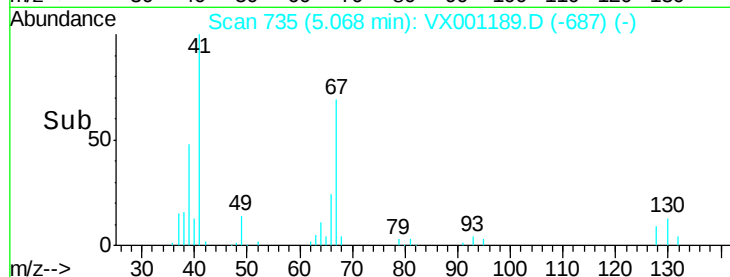
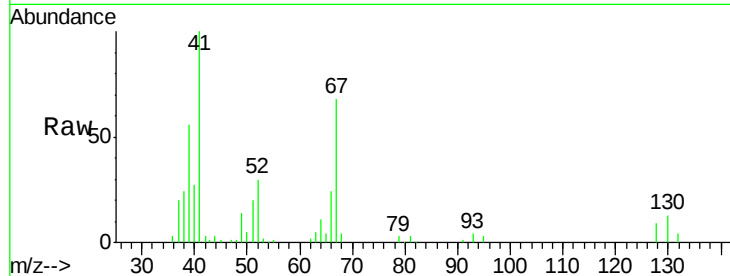
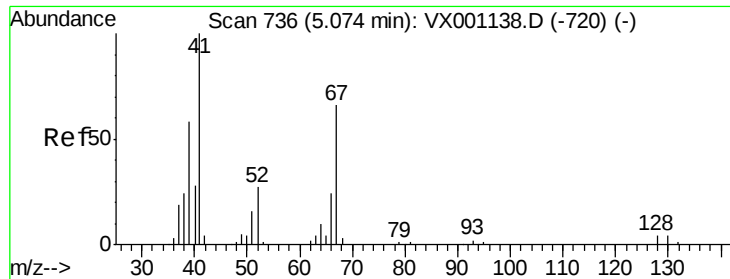
MMDadoda
4/30/2018 6:04:42 PM



#40
Benzene
Concen: 20.78 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.7	29.5	





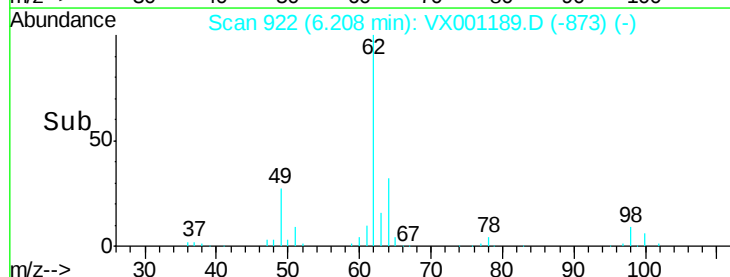
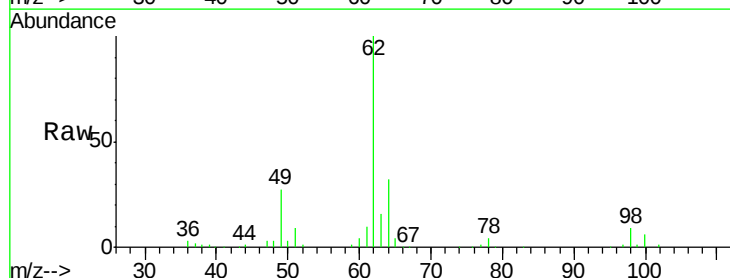
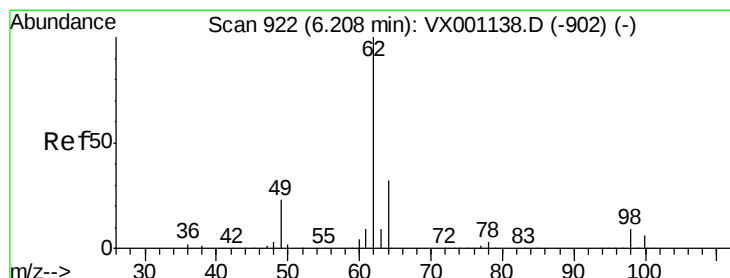
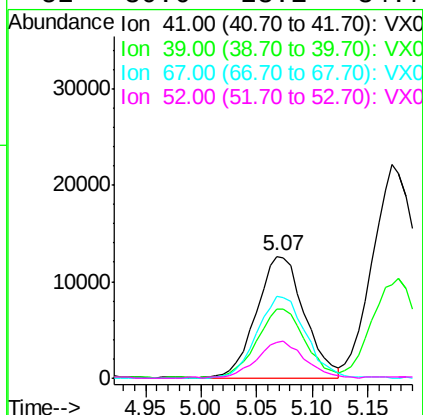
#41
Methacrylonitrile
Concen: 18.56 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	57.4	45.9	68.9
67	67	67.9	53.2	79.8
52	52	30.6	23.1	34.7

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

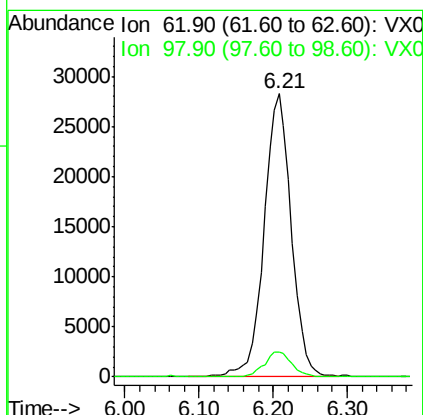
Manual Integrations
APPROVED

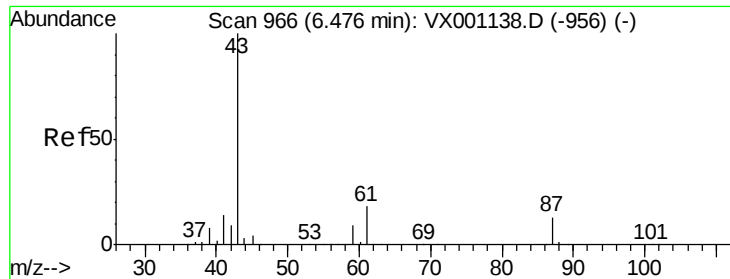
MMDadoda
4/30/2018 6:04:42 PM



#42
1,2-Dichloroethane
Concen: 20.29 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.8	0.0	17.0





#43

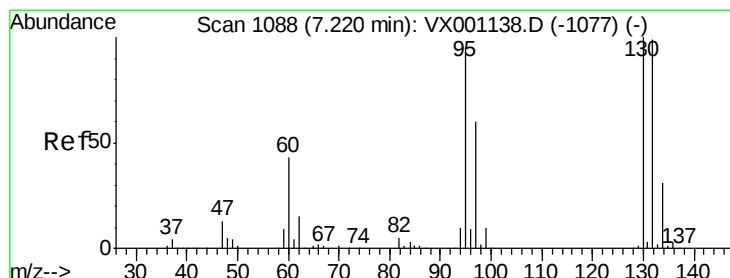
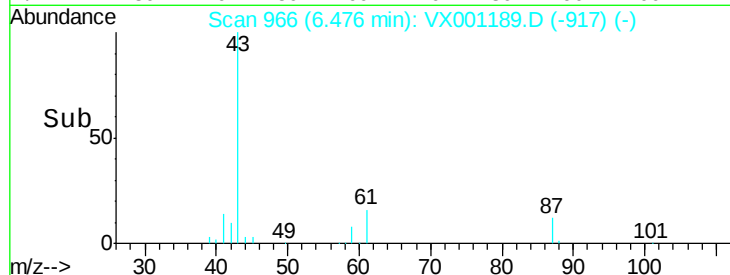
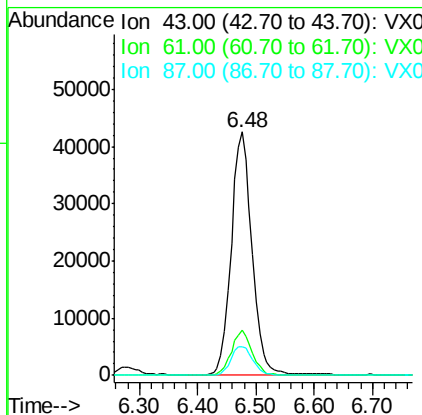
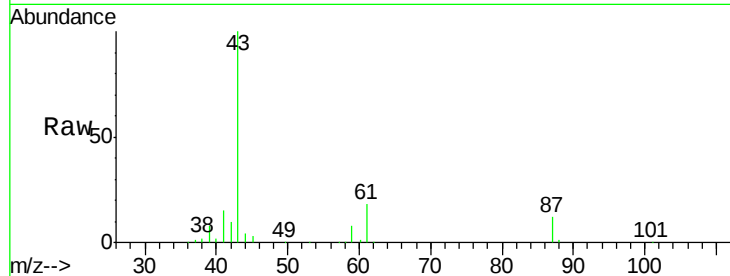
Isopropyl Acetate
 Concen: 18.61 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	43	61	87
Resp	106459		
Ratio	100	18.2	12.6
Lower		15.0	10.3
Upper		22.6	15.5

Manual Integrations
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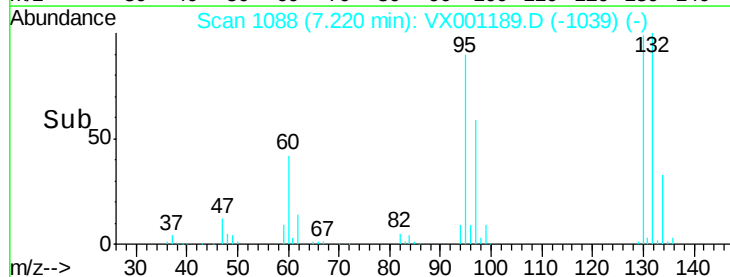
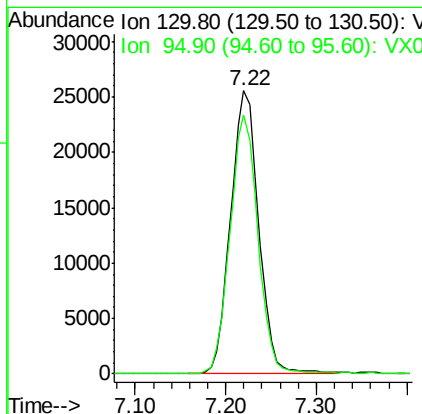
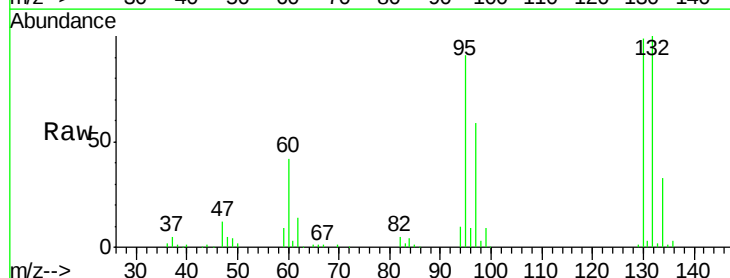
MMDadoda
 4/30/2018 6:04:42 PM

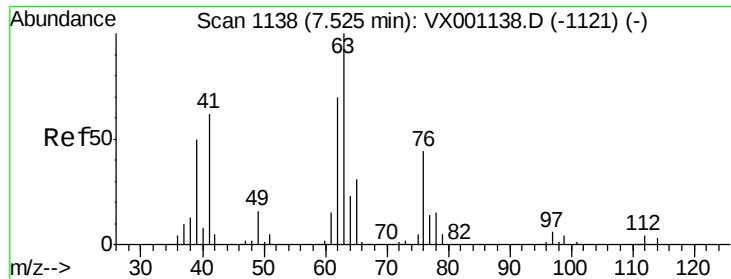


#44

Trichloroethene
 Concen: 21.03 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	130	95
Resp	55121	
Ratio	100	91.7
Lower		0.0
Upper		189.6





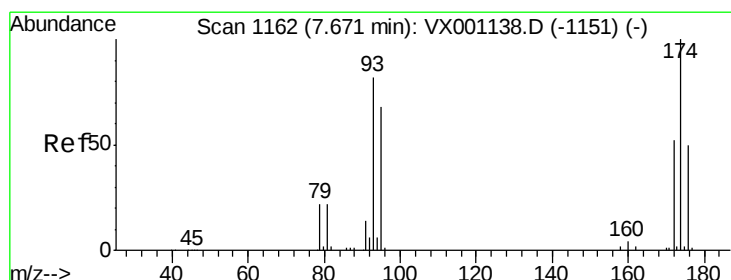
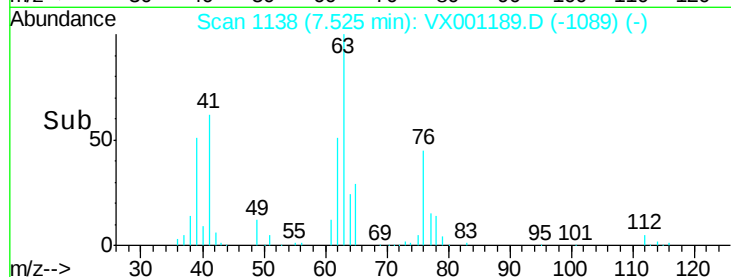
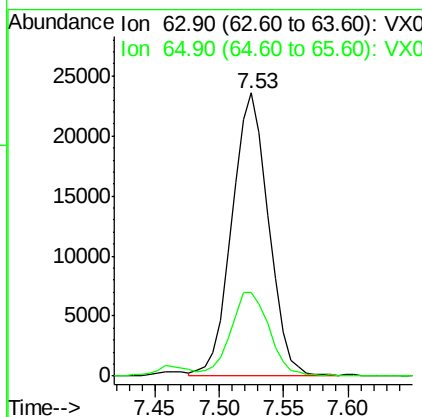
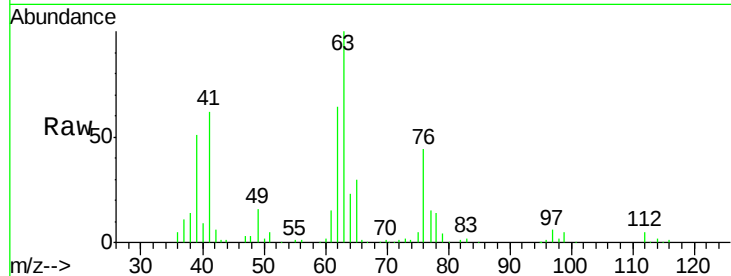
#45
 1,2-Dichloropropane
 Concen: 19.90 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion: 63 Resp: 46052
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.9 37.3

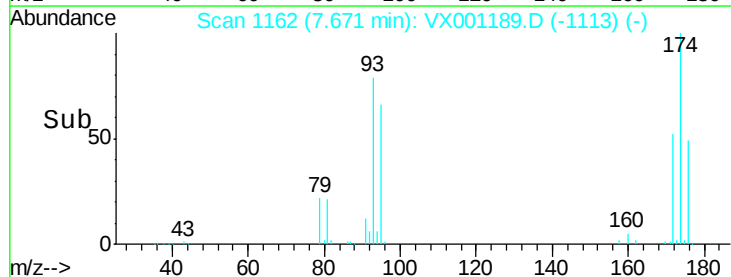
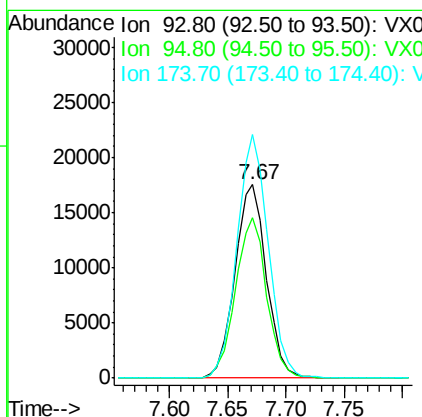
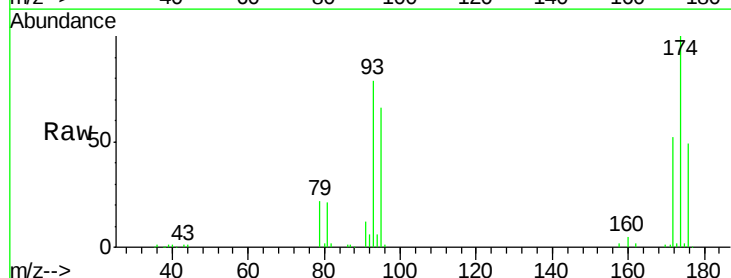
Manual Integrations
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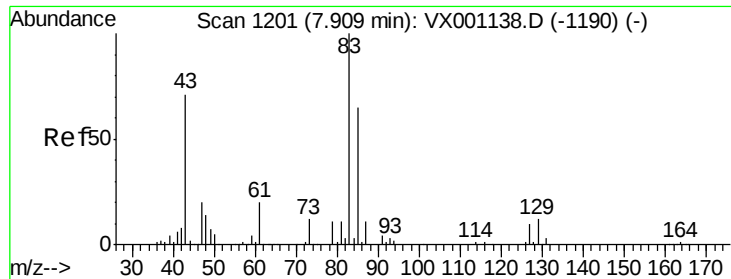
MMDadoda
 4/30/2018 6:04:42 PM



#46
 Dibromomethane
 Concen: 20.66 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion: 93 Resp: 33095
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.4 99.6
 174 125.1 99.6 149.4





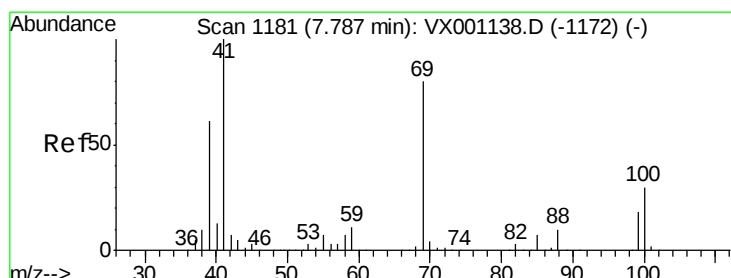
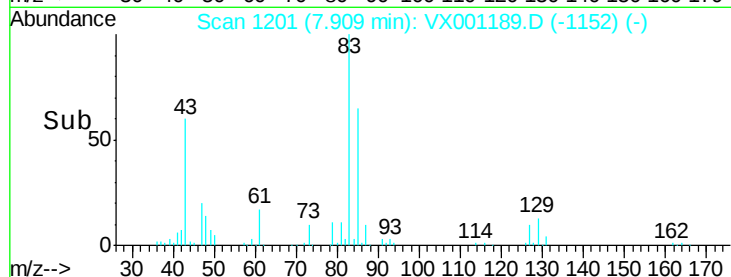
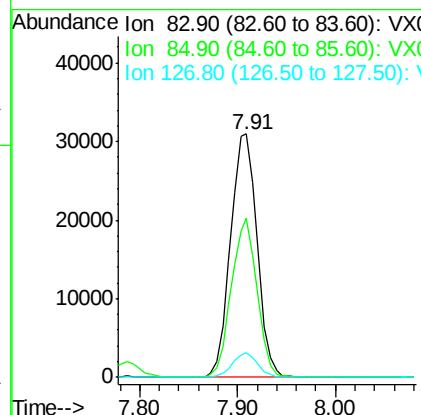
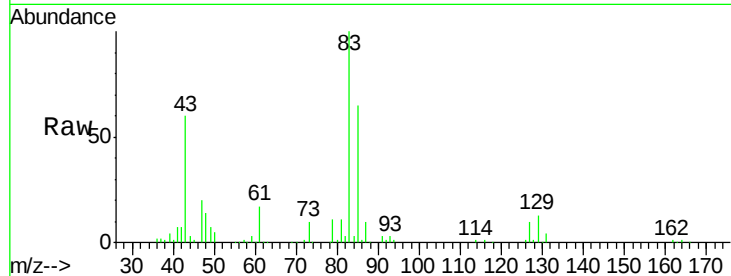
#47
 Bromodichloromethane
 Concen: 20.04 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	83	Resp	58321
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.9	77.9
127	10.1	7.7	11.5

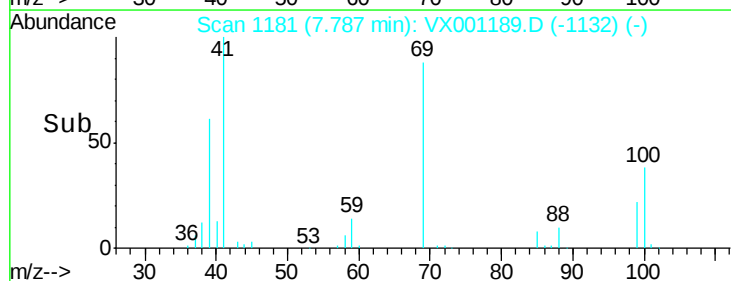
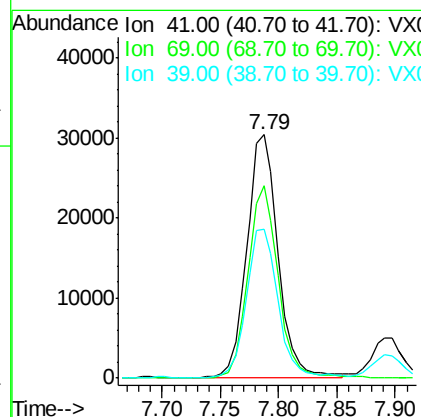
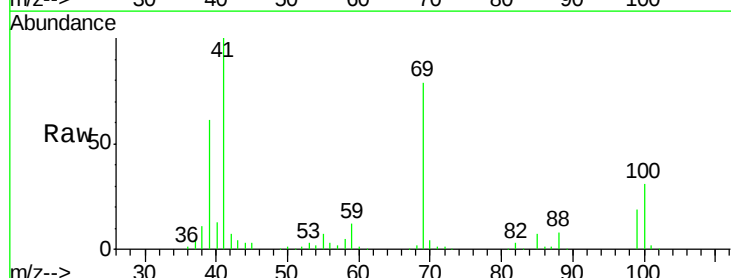
Manual Integrations
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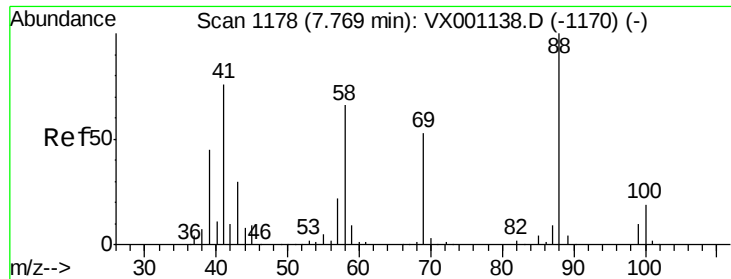
MMDadoda
 4/30/2018 6:04:42 PM



#48
 Methyl methacrylate
 Concen: 18.62 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	41	Resp	56594
Ion Ratio	Lower	Upper	
41	100		
69	77.4	62.4	93.6
39	62.3	48.7	73.1





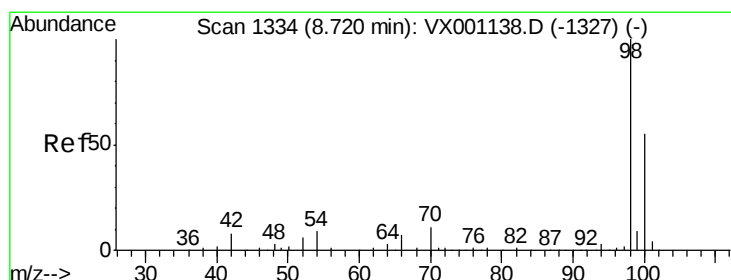
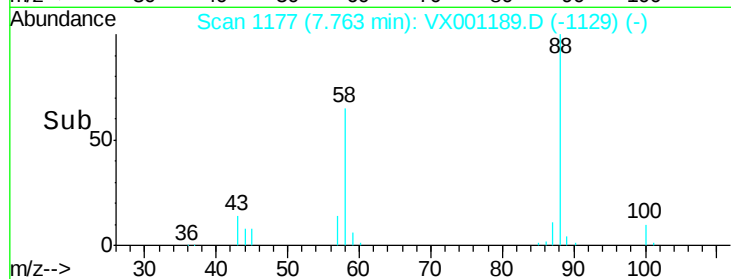
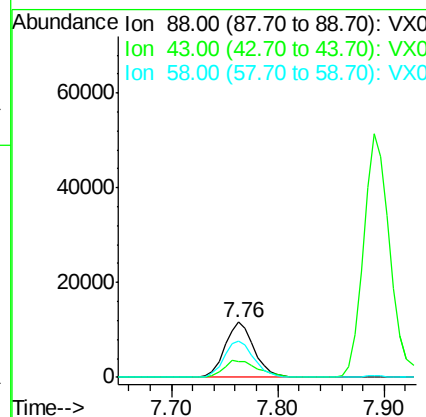
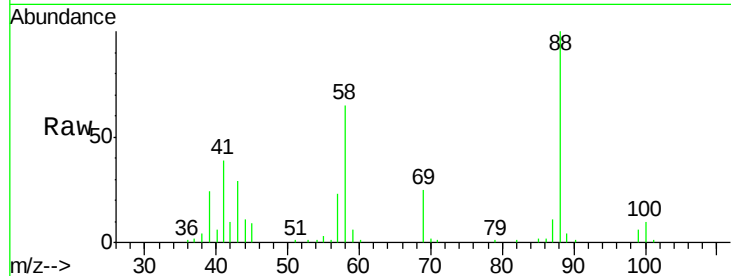
#49
 1,4-Dioxane
 Concen: 366.13 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	27.3	40.9
58	67.7	54.2	81.4

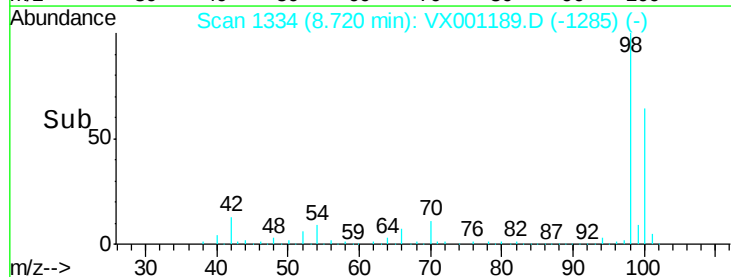
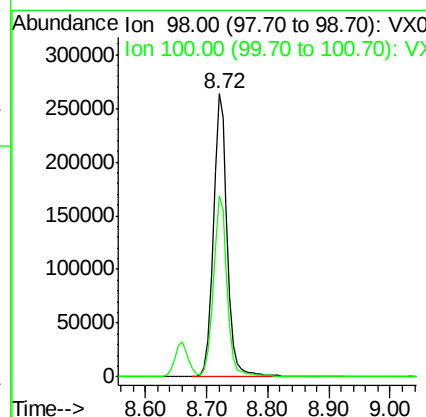
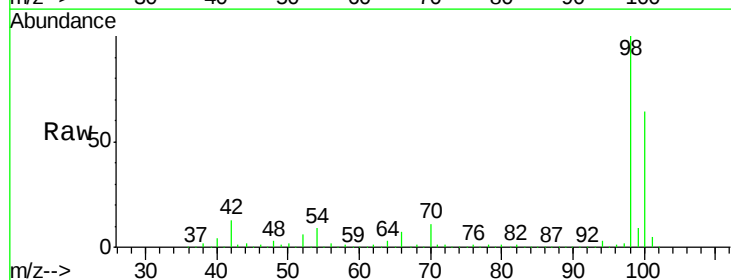
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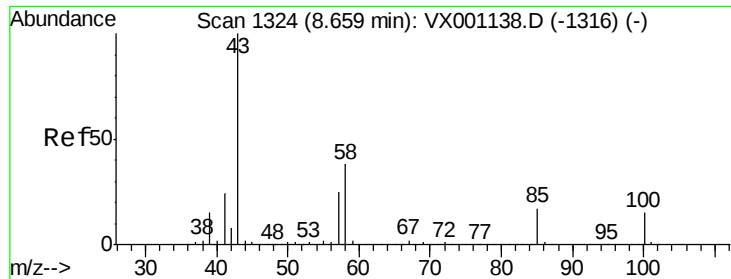
MMDadoda
 4/30/2018 6:04:42 PM



#50
 Toluene-d8
 Concen: 48.84 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 94.46 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

Tot Ion: 43 Resp: 354870

Ion Ratio Lower Upper

43 100

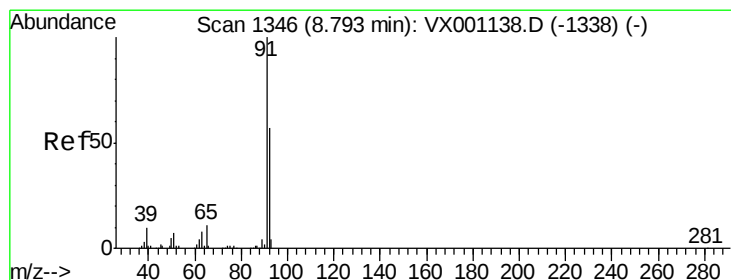
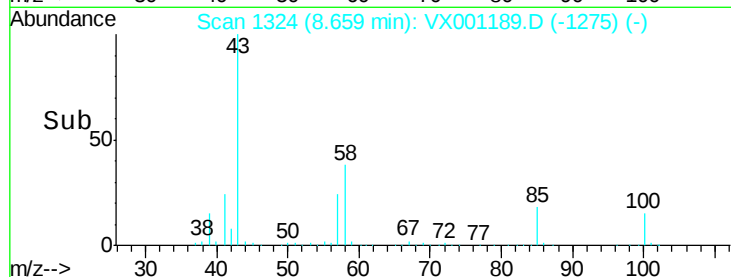
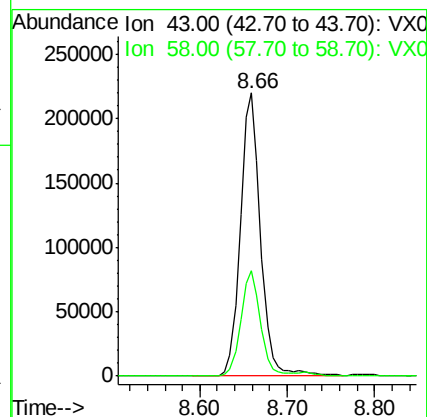
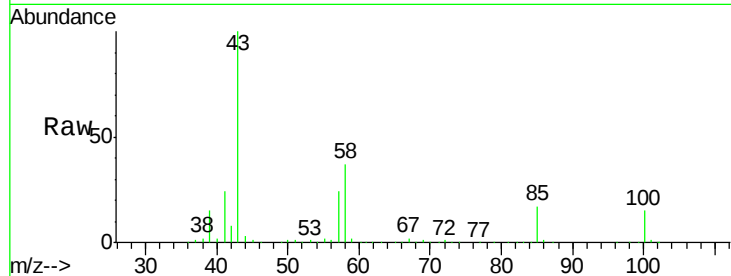
58 36.1 30.2 45.2

Manual Integrations

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MMDadoda

4/30/2018 6:04:42 PM



#52

Toluene

Concen: 20.84 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001189.D

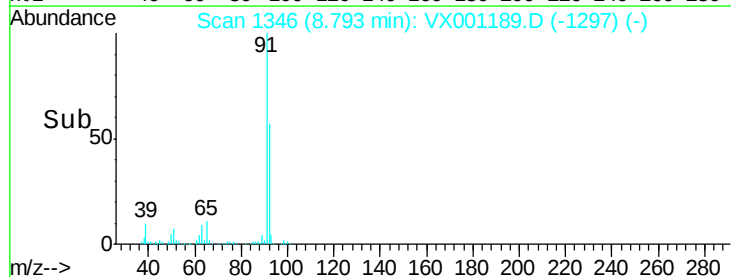
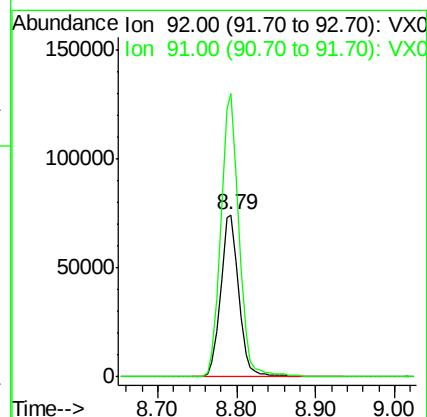
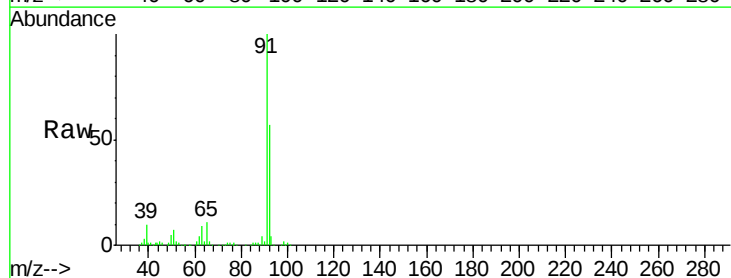
Acq: 28 Apr 2018 00:08

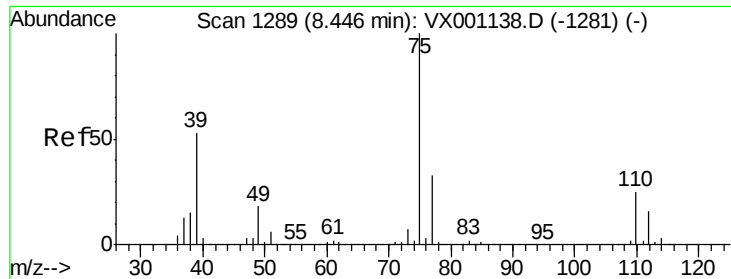
Tgt Ion: 92 Resp: 119852

Ion Ratio Lower Upper

92 100

91 174.6 139.8 209.6





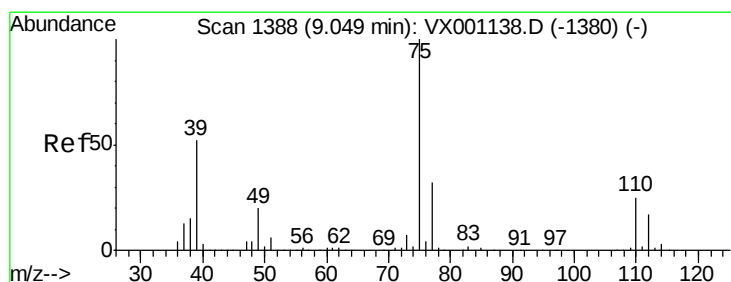
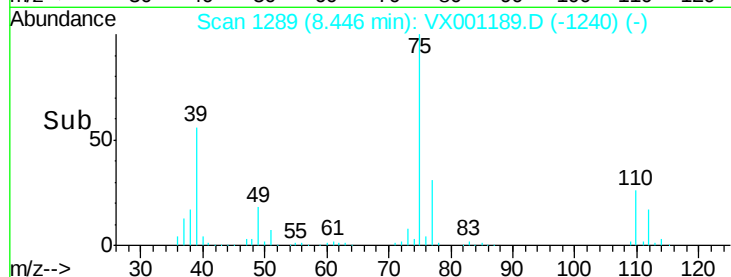
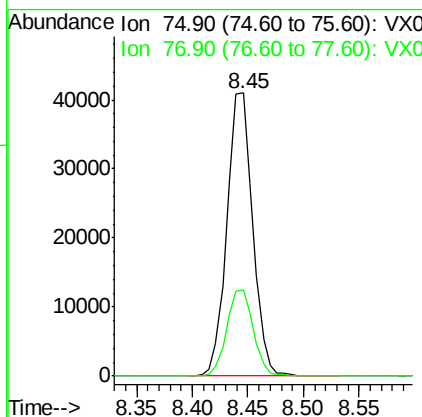
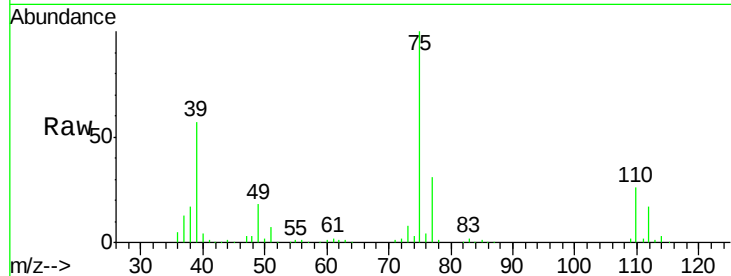
#53
 t-1,3-Dichloropropene
 Concen: 19.45 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion: 75 Resp: 65808
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.2 39.4

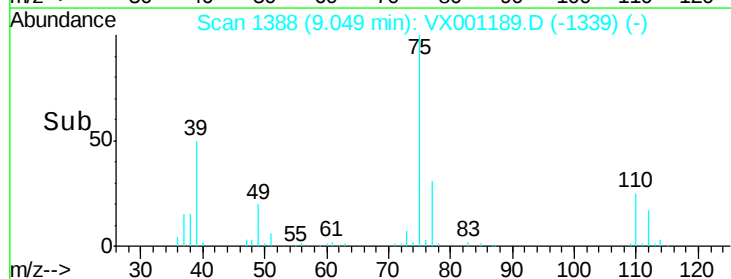
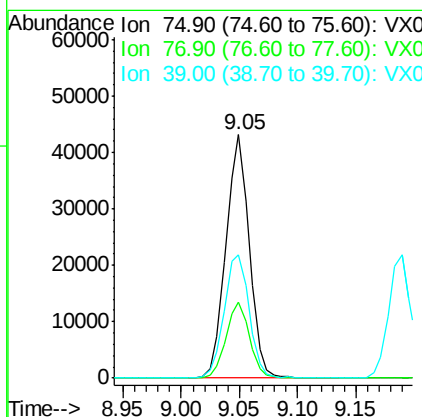
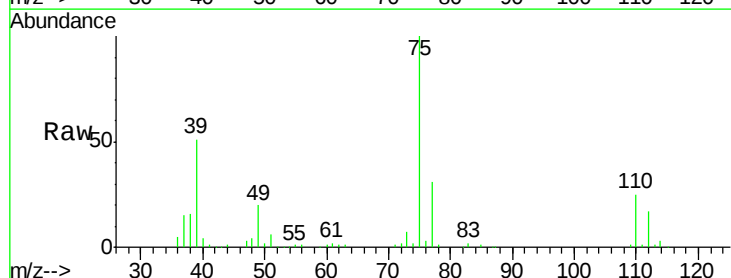
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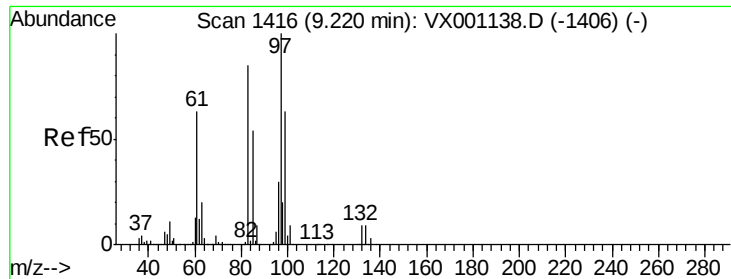
MMDadoda
 4/30/2018 6:04:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.49 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion: 75 Resp: 60058
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2
 39 50.5 42.0 63.0





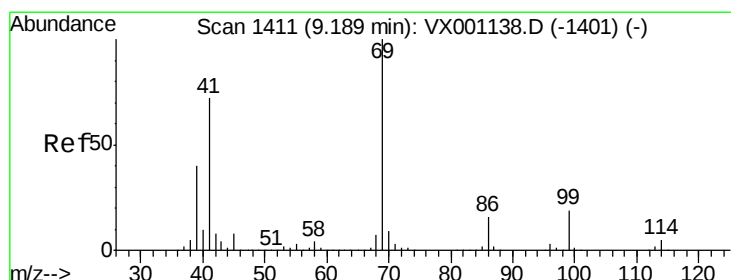
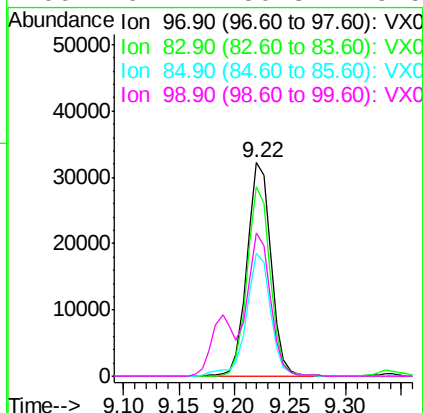
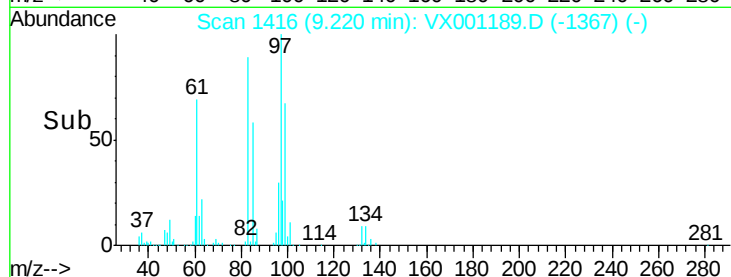
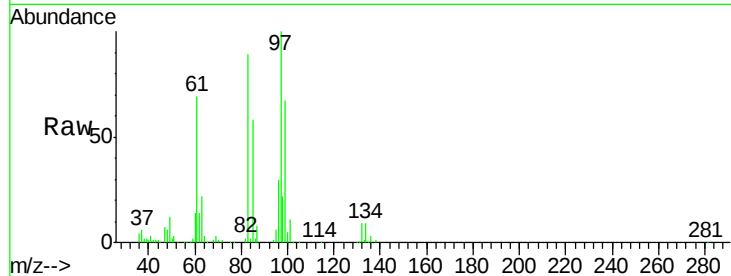
#55
 1,1,2-Trichloroethane
 Concen: 19.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		48456		
83	88.8	68.0	102.0		
85	57.5	42.9	64.3		
99	67.4	50.3	75.5		

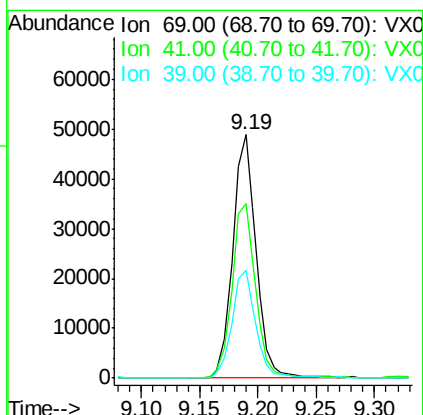
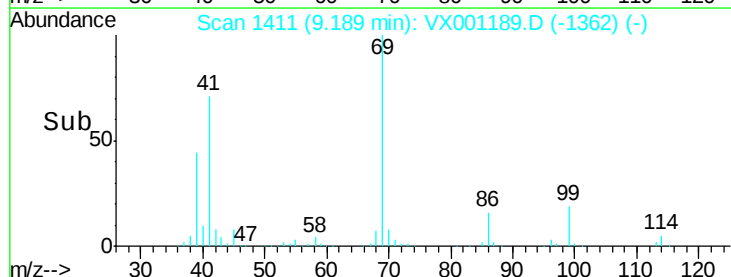
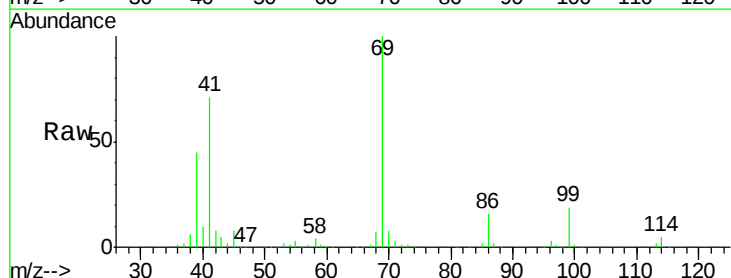
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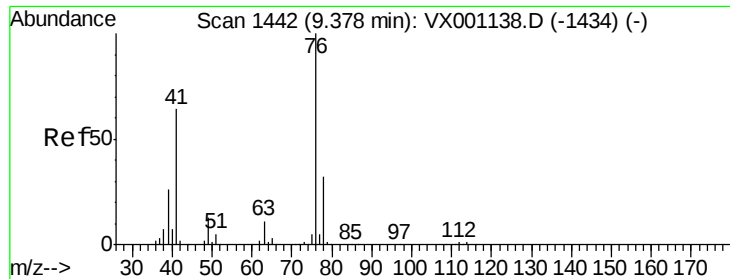
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#56
 Ethyl methacrylate
 Concen: 18.92 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		68213		
41	72.5	57.7	86.5		
39	44.6	33.3	49.9		





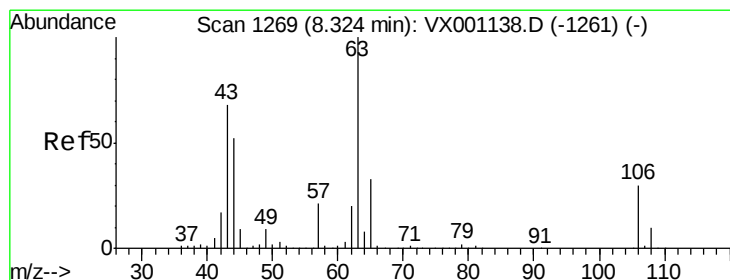
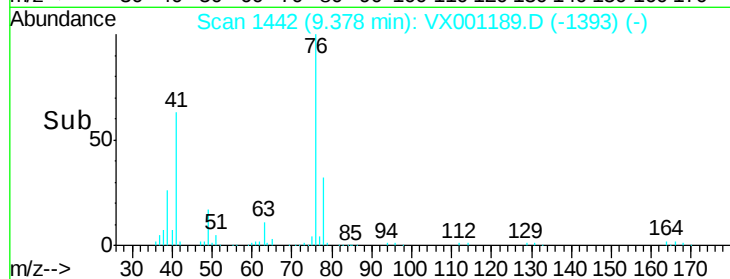
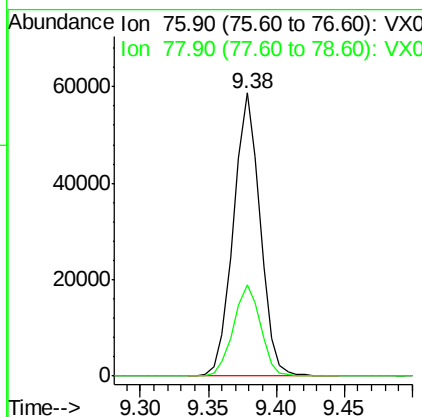
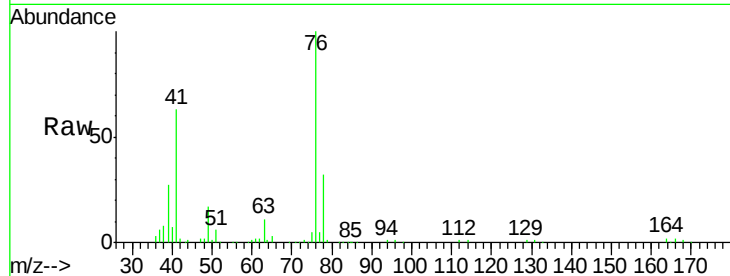
#57
 1,3-Dichloropropane
 Concen: 20.38 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion: 76 Resp: 80229
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

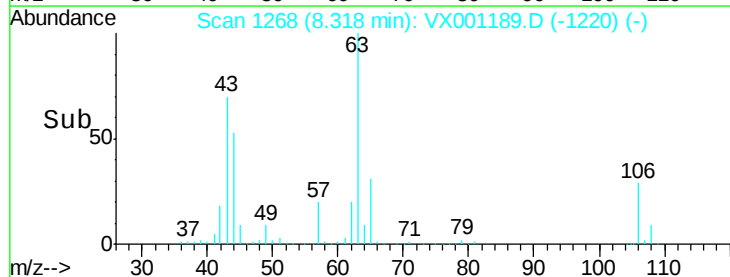
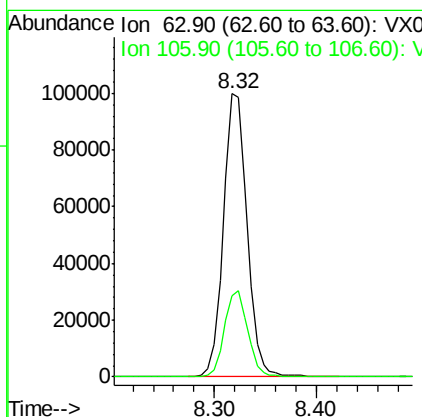
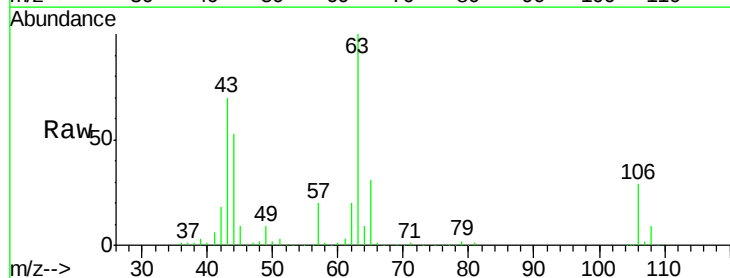
Manual Integrations
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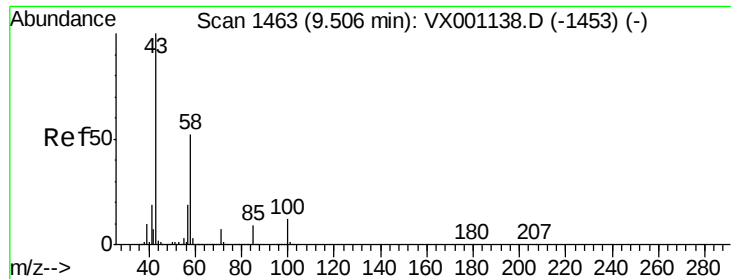
MMDadoda
 4/30/2018 6:04:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.85 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion: 63 Resp: 159989
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.7 35.5





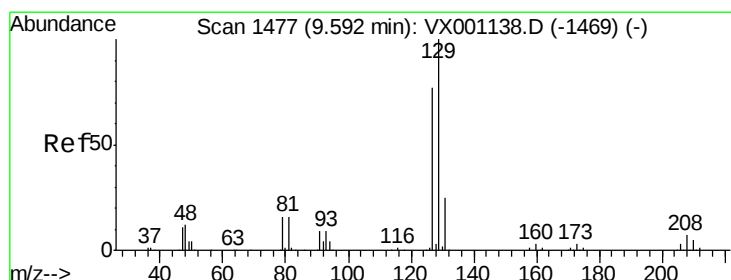
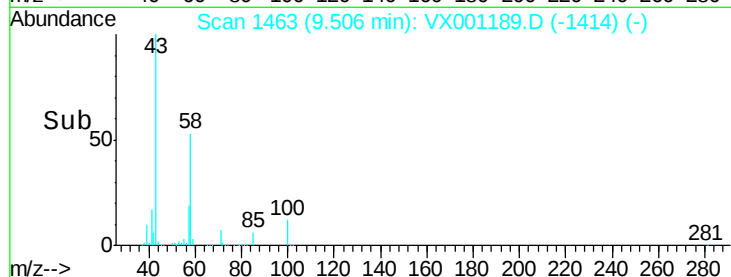
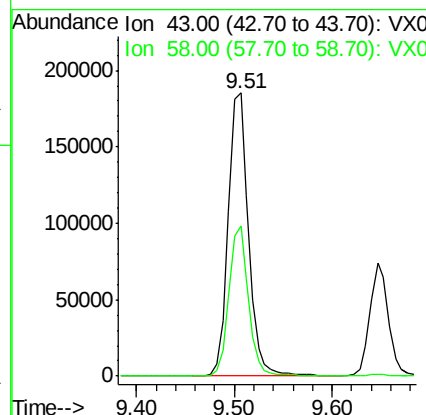
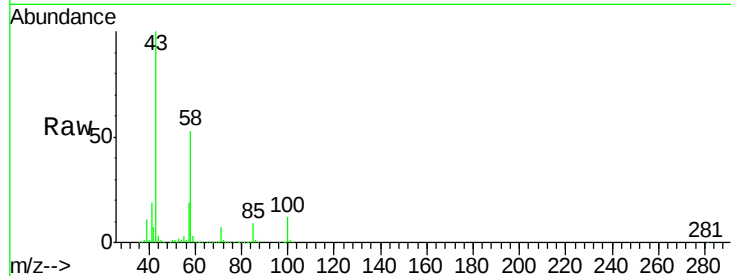
#59
2-Hexanone
Concen: 90.77 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.8	77.4

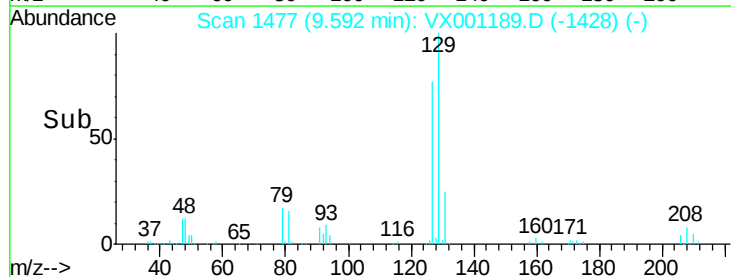
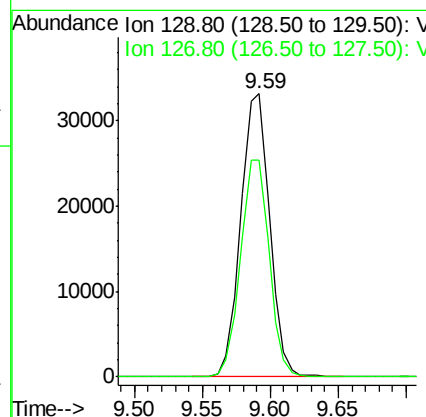
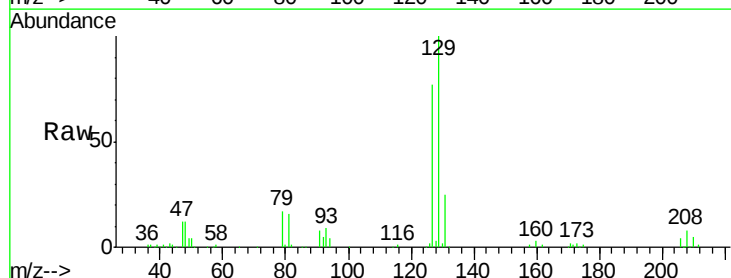
Manual Integrations
APPROVED

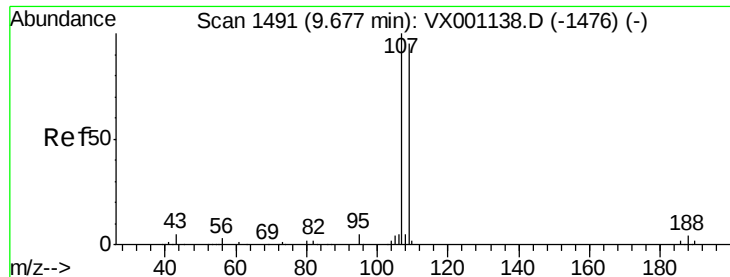
MMDadoda
4/30/2018 6:04:42 PM



#60
Dibromochloromethane
Concen: 19.49 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.4	115.2





#61

1,2-Dibromoethane

Concen: 20.38 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

Tot Ion:107 Resp: 51971

Ion Ratio Lower Upper

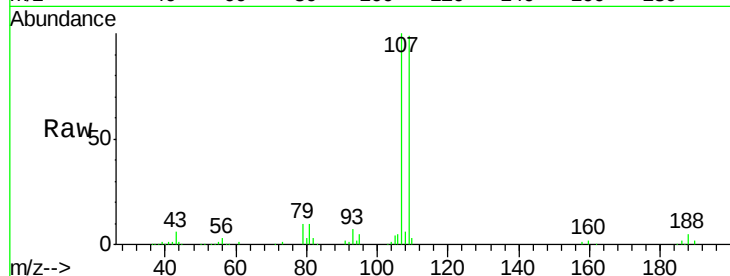
107 100

109 95.4 75.2 112.8

Manual Integrations
APPROVED

MMDadoda

4/30/2018 6:04:42 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

30000

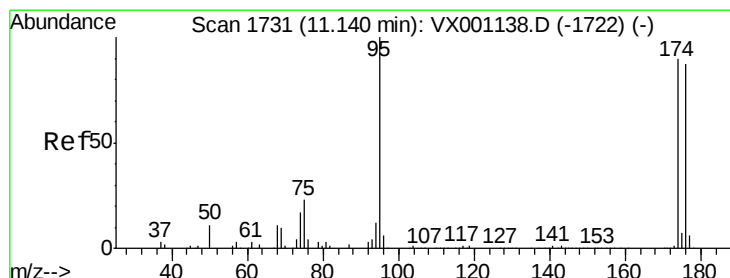
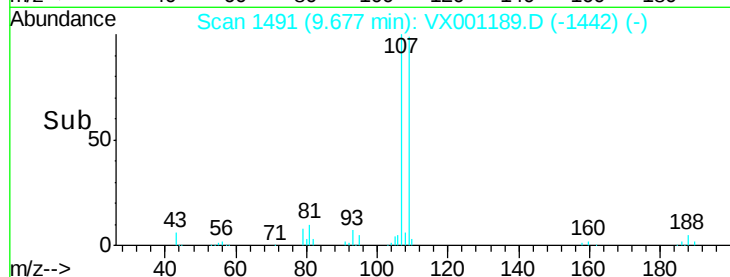
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

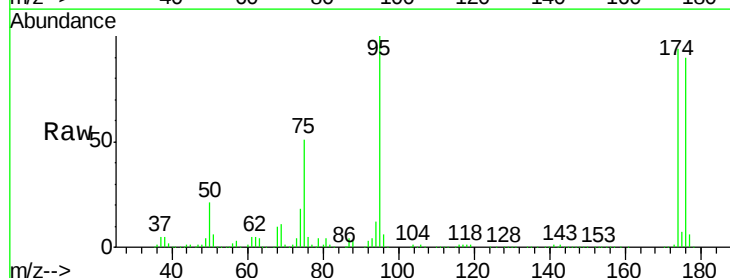
Tgt Ion: 95 Resp: 159942

Ion Ratio Lower Upper

95 100

174 102.1 0.0 194.4

176 99.2 0.0 190.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

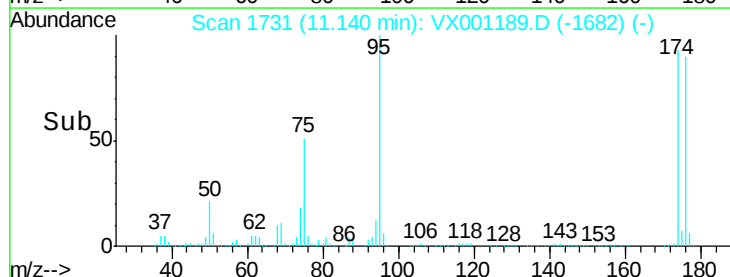
100000

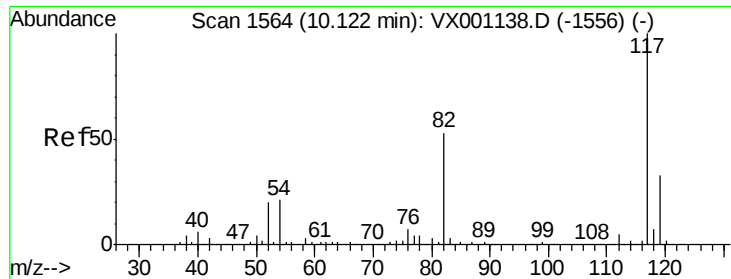
50000

0

Time-->

11.10 11.20





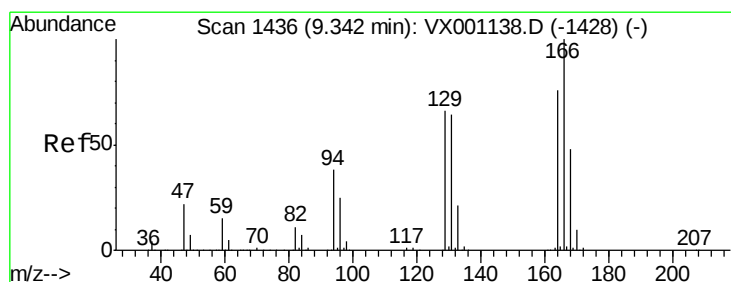
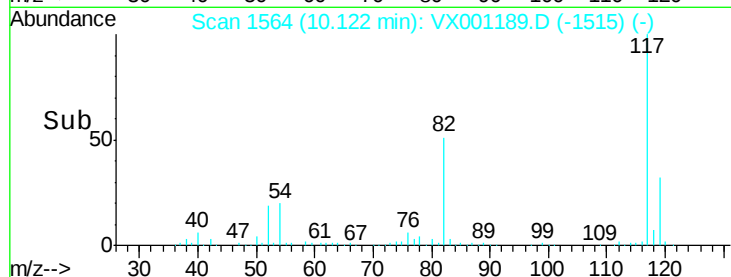
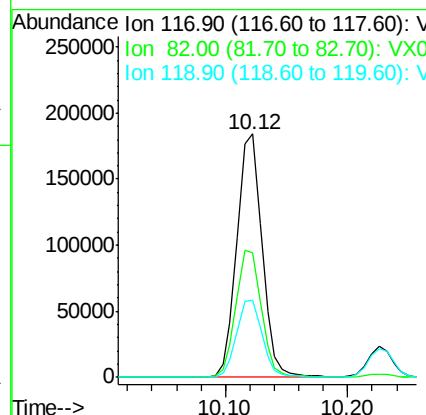
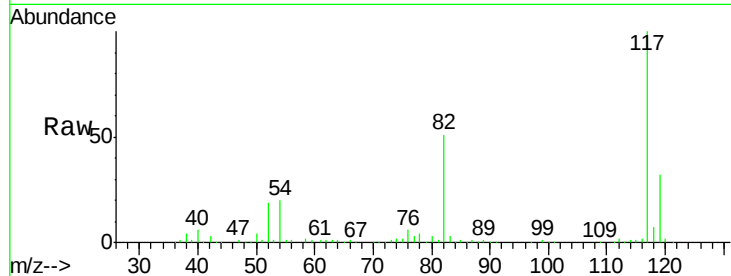
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.1	63.1
119	31.8	26.1	39.1

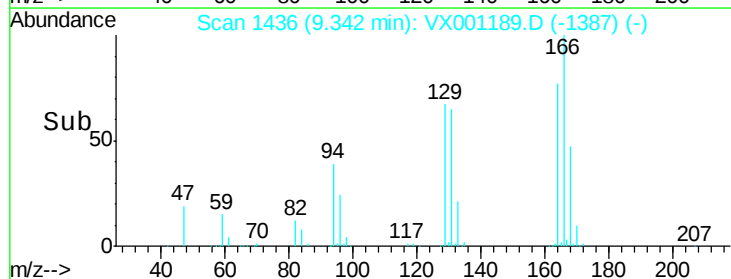
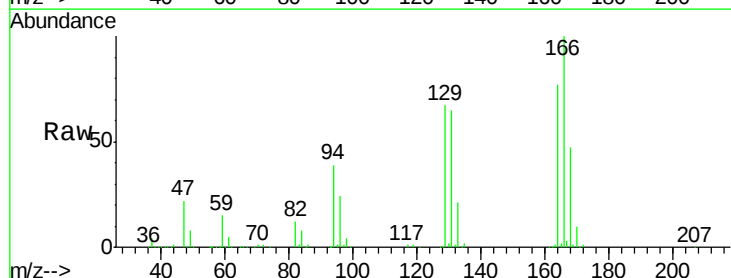
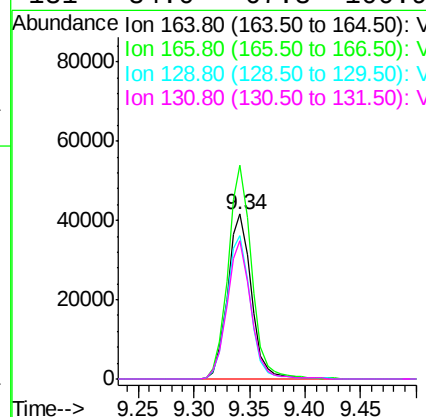
Manual Integrations
APPROVED

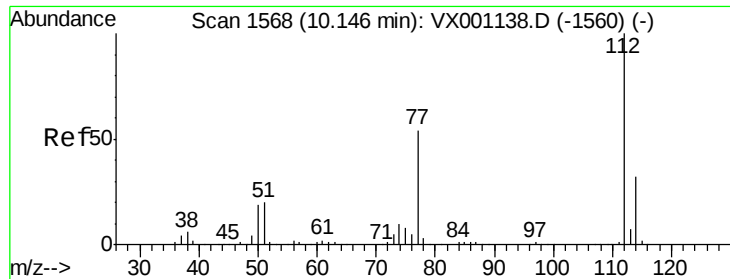
MMDadoda
4/30/2018 6:04:42 PM



#64
Tetrachloroethene
Concen: 22.13 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	105.0	157.6
129	87.1	69.4	104.2
131	84.0	67.3	100.9





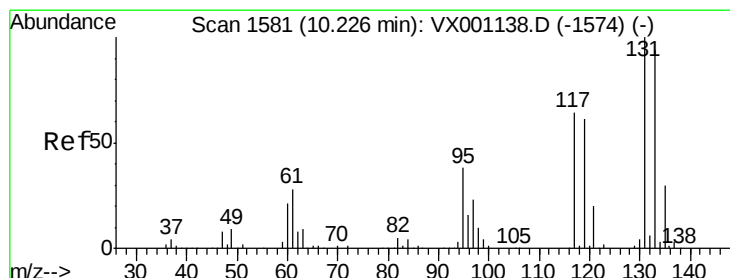
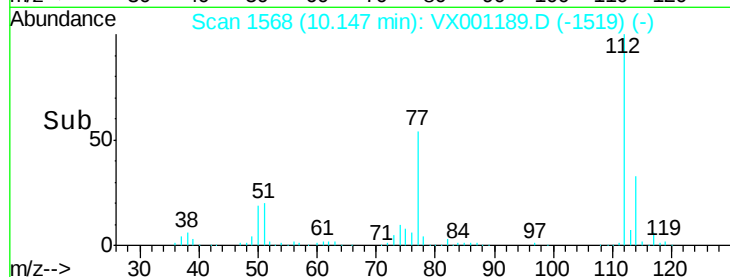
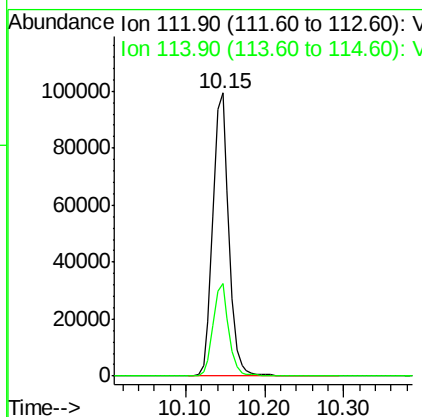
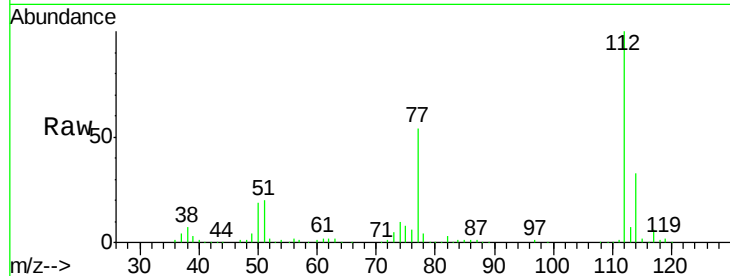
#65
Chlorobenzene
Concen: 20.44 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion:112 Resp: 140882
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5

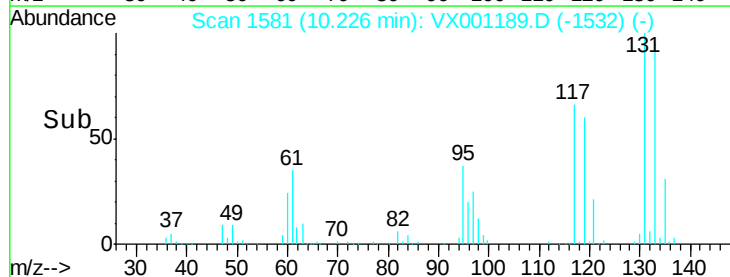
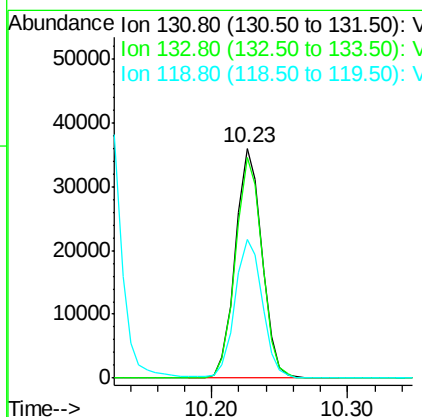
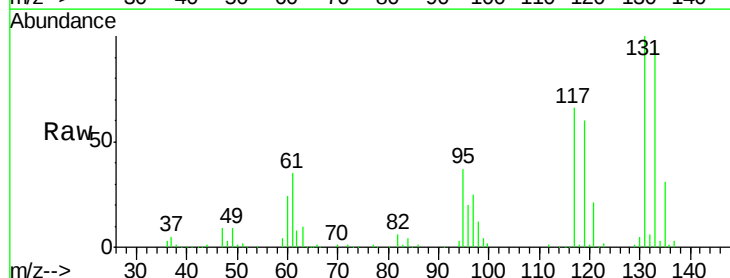
Manual Integrations
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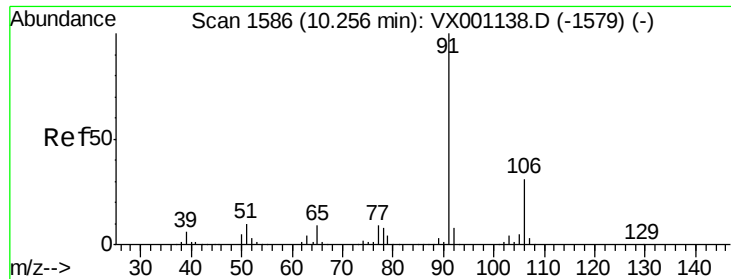
MMDadoda
4/30/2018 6:04:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.55 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion:131 Resp: 49000
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.4
119 62.4 31.3 93.8





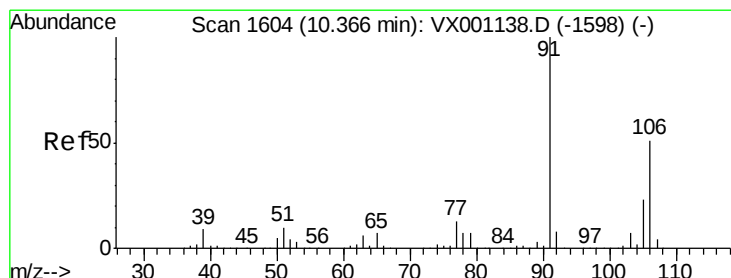
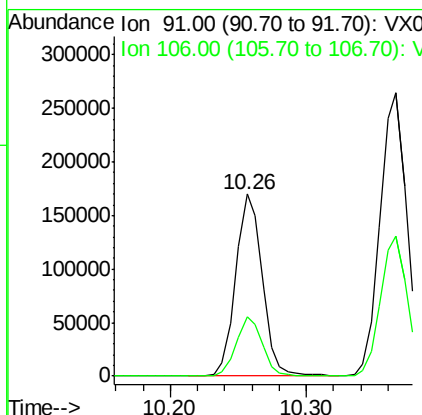
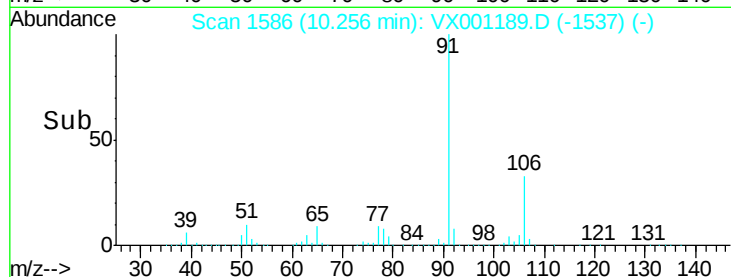
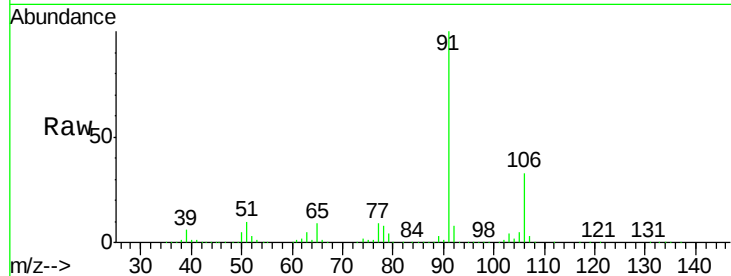
#67
Ethyl Benzene
Concen: 20.73 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion: 91 Resp: 232100
Ion Ratio Lower Upper
91 100
106 32.5 24.8 37.2

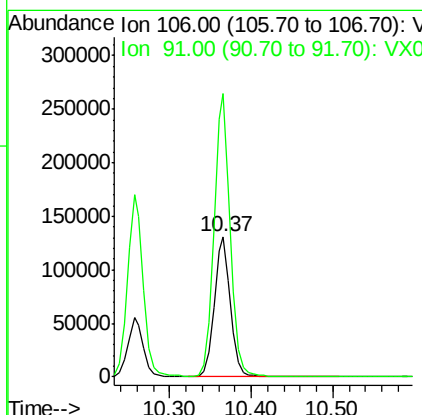
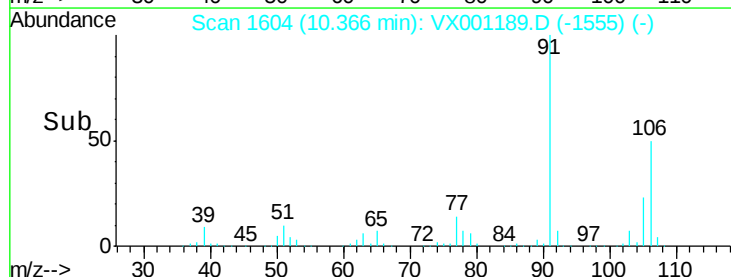
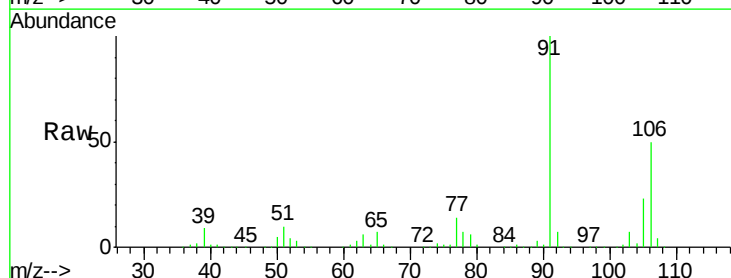
Manual Integrations
APPROVED

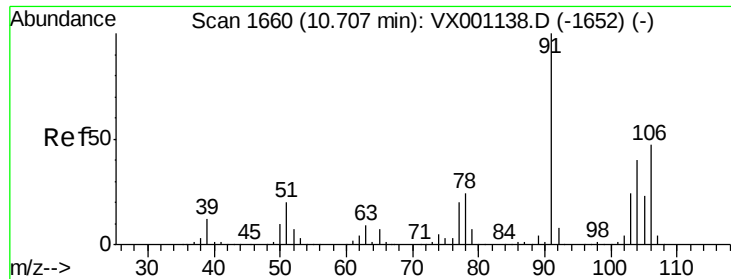
MMDadoda
4/30/2018 6:04:42 PM



#68
m/p-Xylenes
Concen: 41.18 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion: 106 Resp: 182268
Ion Ratio Lower Upper
106 100
91 203.7 160.9 241.3





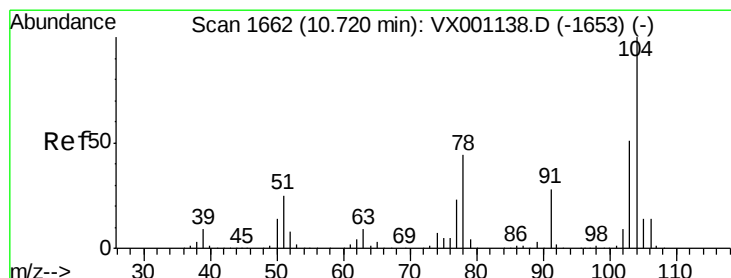
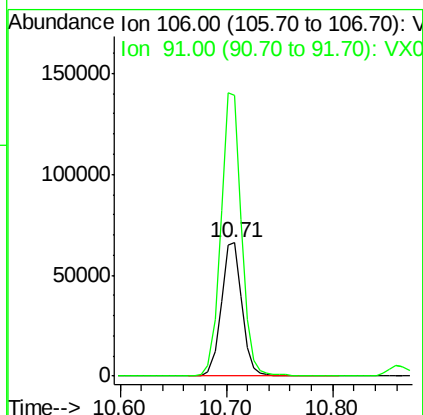
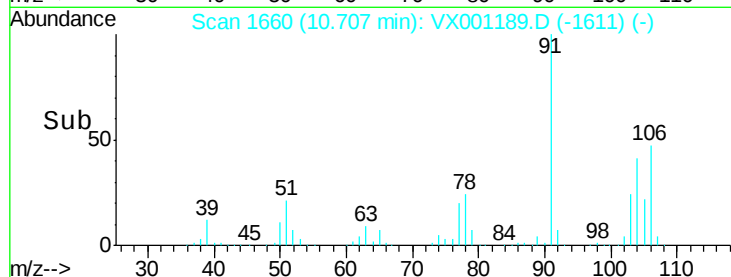
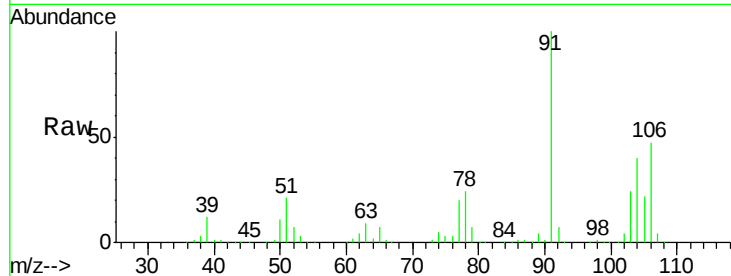
#69
o-Xylene
Concen: 20.90 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion:106 Resp: 89713
Ion Ratio Lower Upper
106 100
91 211.7 106.2 318.5

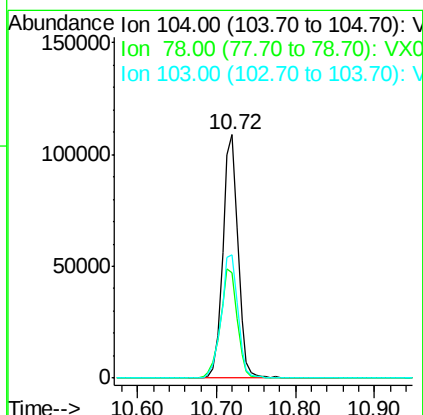
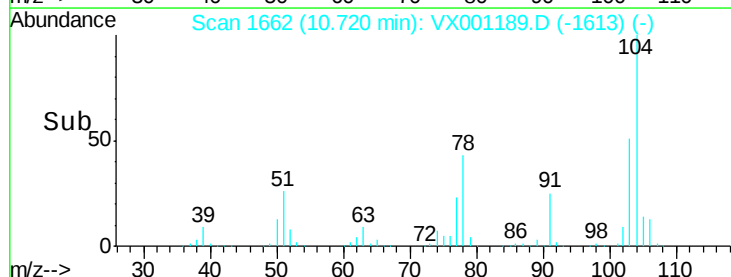
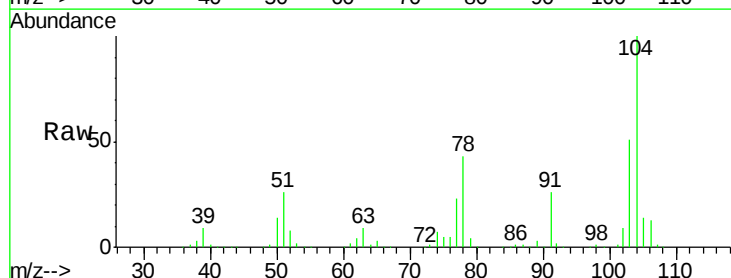
Manual Integrations
APPROVED

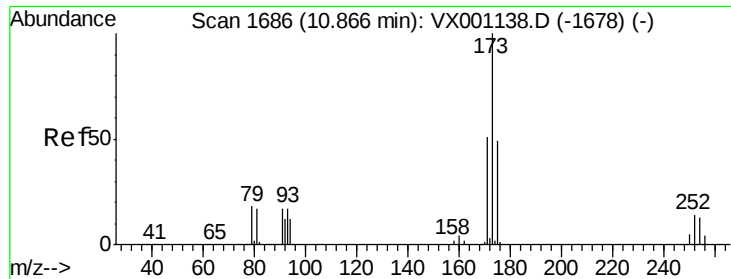
MMDadoda
4/30/2018 6:04:42 PM



#70
Styrene
Concen: 20.37 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion:104 Resp: 145574
Ion Ratio Lower Upper
104 100
78 50.4 40.3 60.5
103 56.0 44.3 66.5





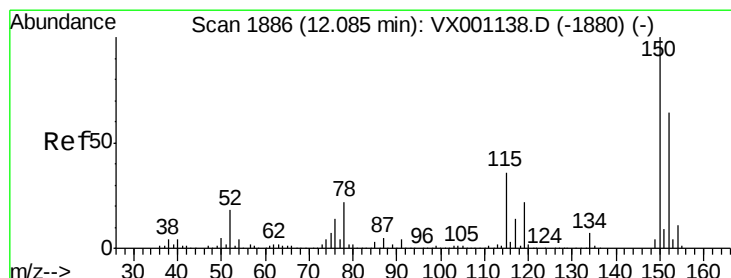
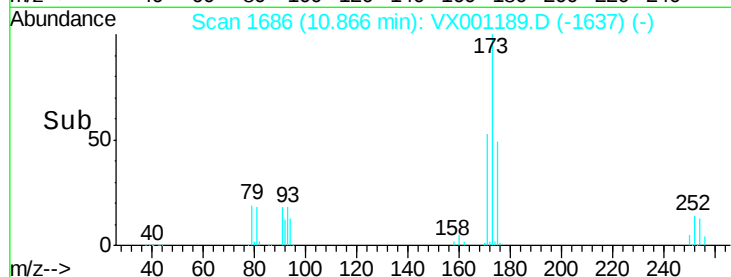
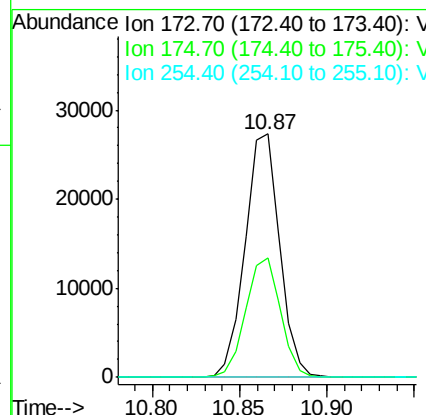
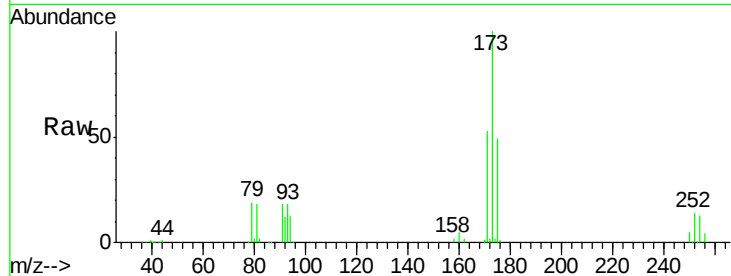
#71
Bromoform
Concen: 18.45 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.8
254	0.0	0.2	0.2#

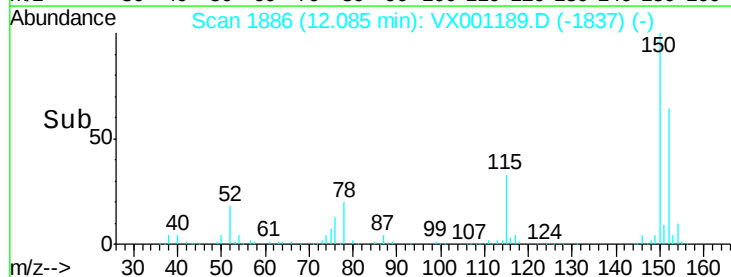
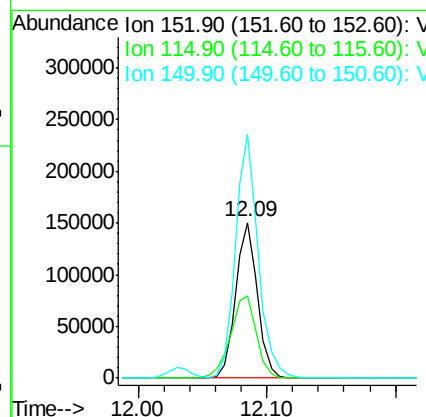
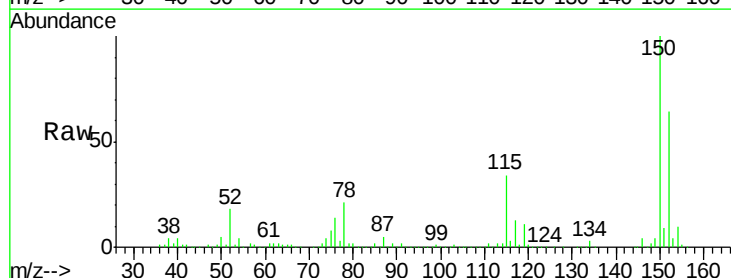
Manual Integrations
APPROVED

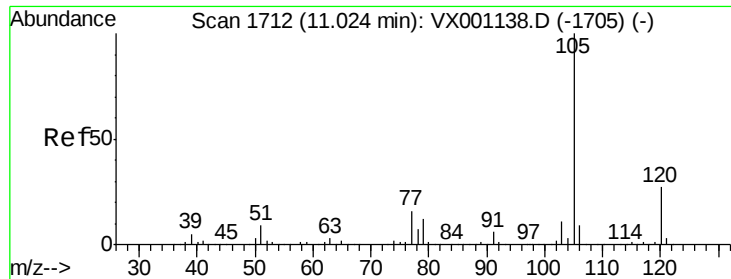
MMDadoda
4/30/2018 6:04:42 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	38.0	114.0
150	164.0	0.0	349.6





#73

Isopropylbenzene

Concen: 20.77 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

Tot Ion:105 Resp: 239714

Ion Ratio Lower Upper

105 100

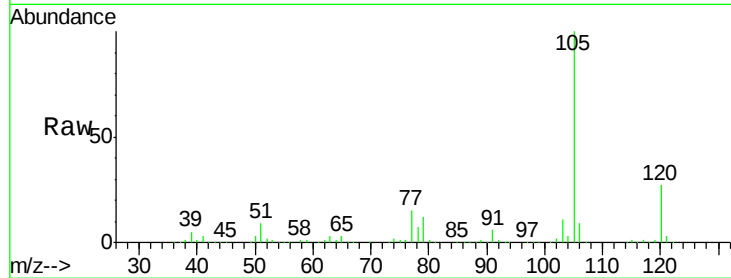
120 27.0 13.6 40.8

Manual Integrations

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MMDadoda

4/30/2018 6:04:42 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

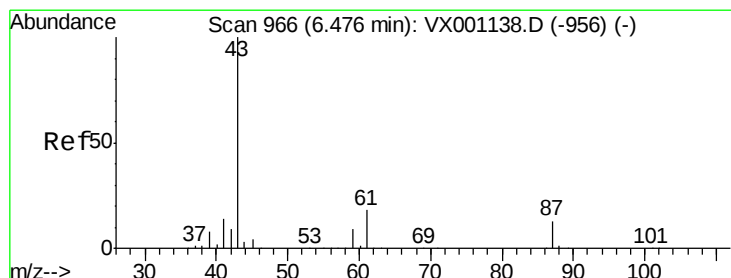
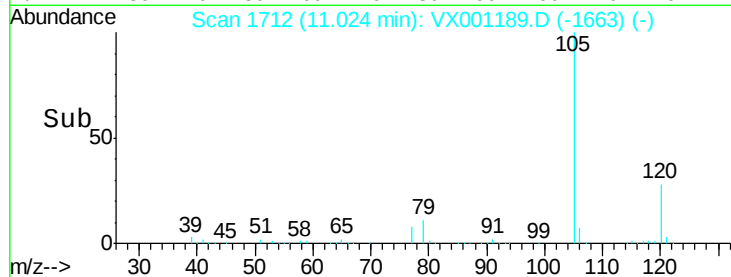
50000

0

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 18.30 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion: 43 Resp: 106459

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.2 15.0 22.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

60000

50000

40000

30000

20000

10000

0

6.30

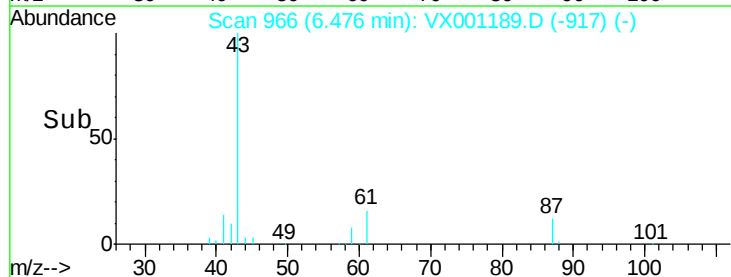
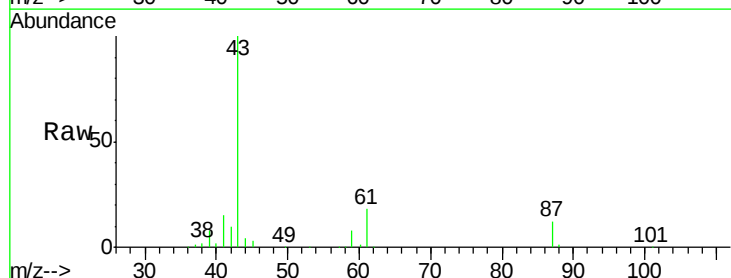
6.40

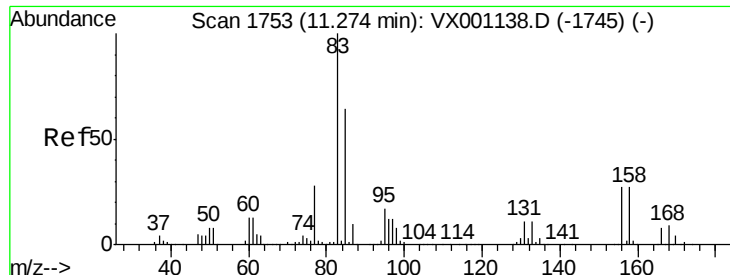
6.50

6.60

6.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.03 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

Tot Ion: 83 Resp: 72870

Ion Ratio Lower Upper

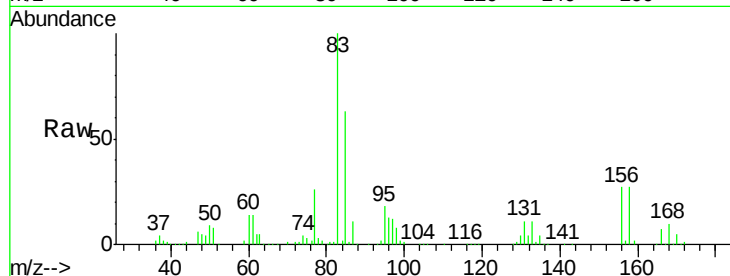
83 100

131 11.2 5.8 17.4

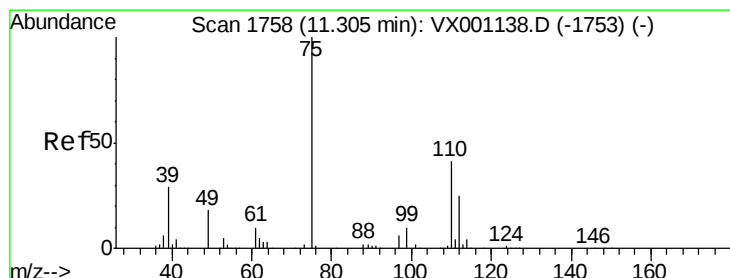
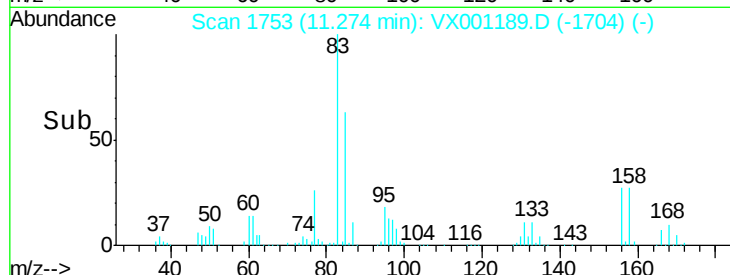
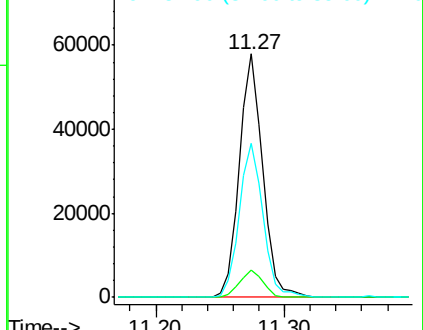
85 64.6 32.1 96.3

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



#76

1,2,3-Trichloropropane

Concen: 18.76 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX001189.D

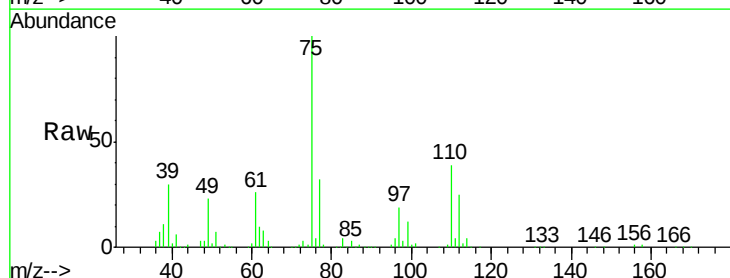
Acq: 28 Apr 2018 00:08

Tgt Ion: 75 Resp: 67663

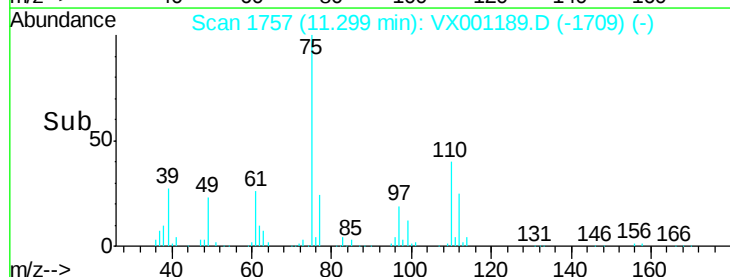
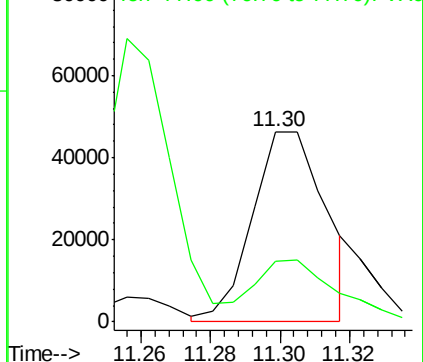
Ion Ratio Lower Upper

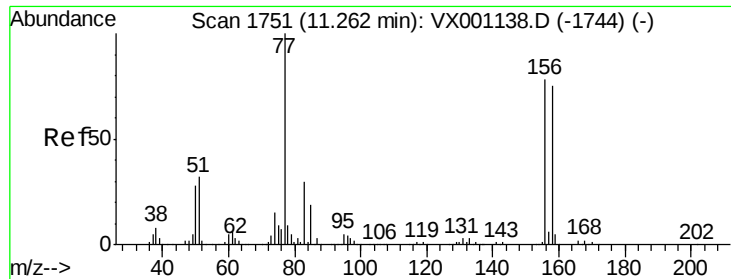
75 100

77 35.6 18.9 56.9



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





#77

Bromobenzene

Concen: 20.54 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

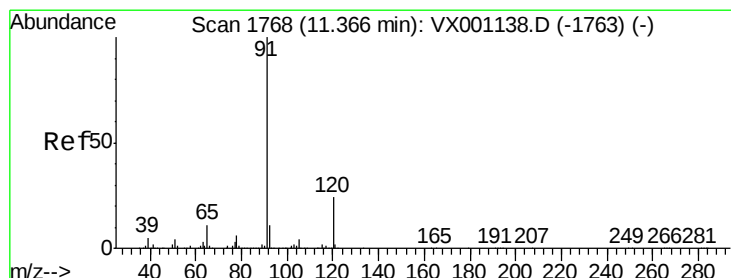
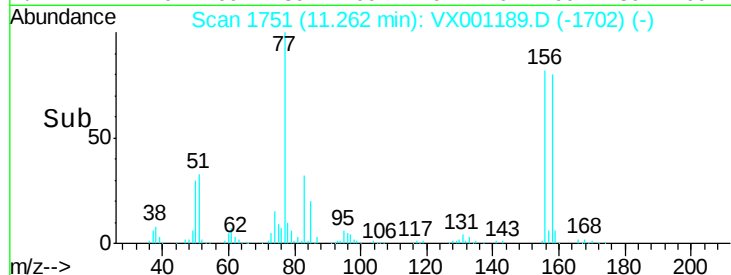
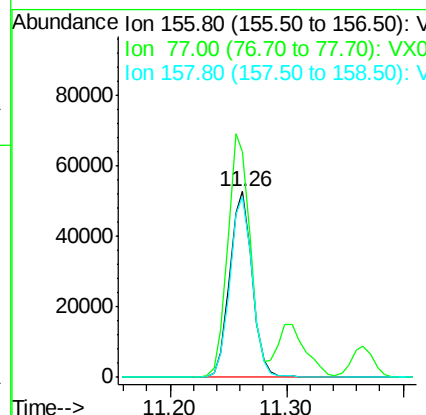
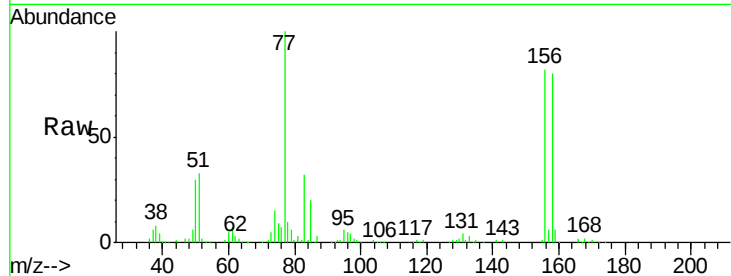
ClientSampleId :

VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.0	67.8	203.2
158	97.4	48.9	146.7

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#78

n-propylbenzene

Concen: 20.84 ug/l

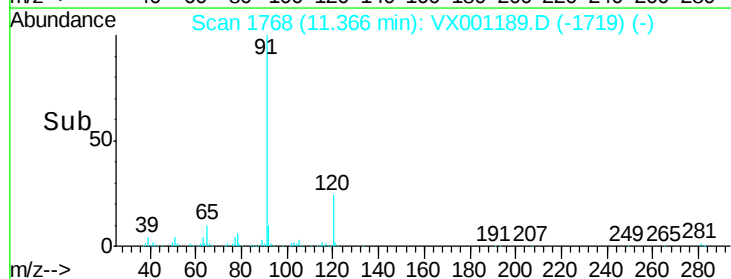
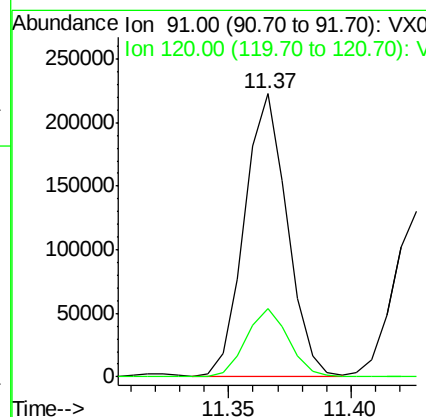
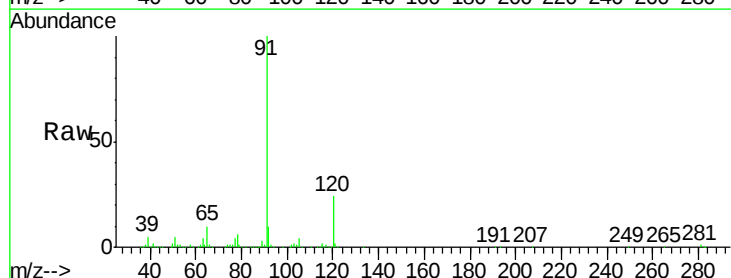
RT: 11.37 min Scan# 1768

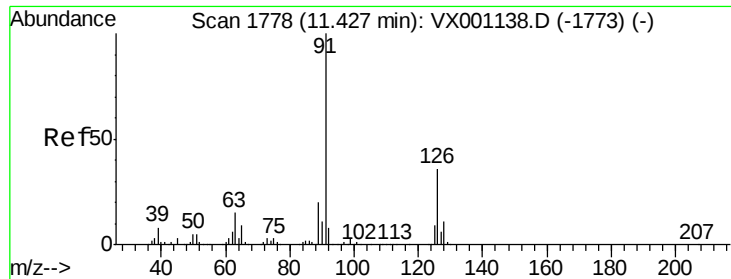
Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.2	36.6





#79

2-Chlorotoluene

Concen: 20.21 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

Tot Ion: 91 Resp: 161252

Ion Ratio Lower Upper

91 100

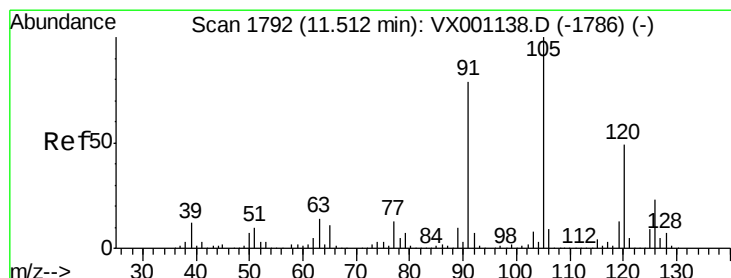
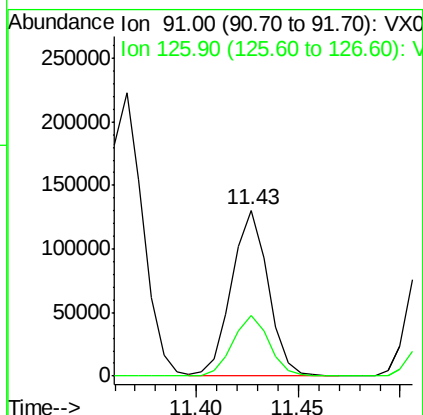
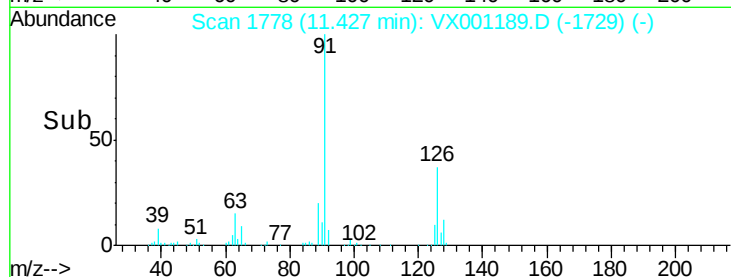
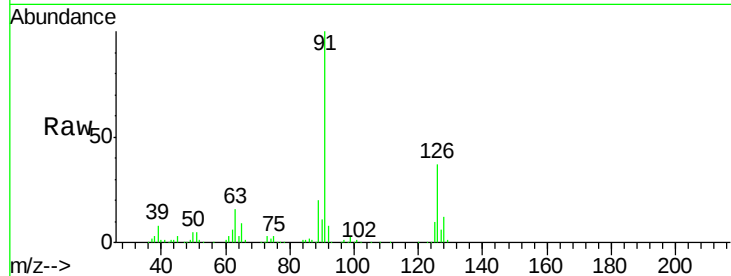
126 36.7 18.2 54.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001189.D

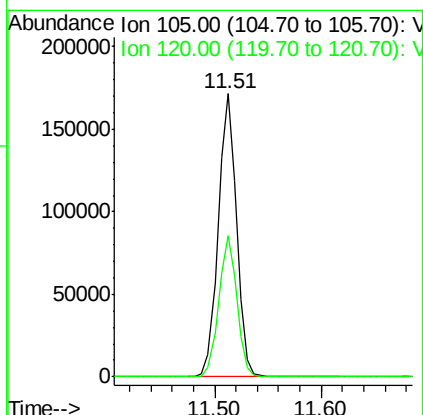
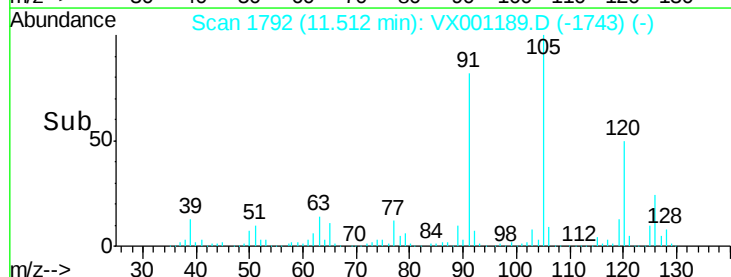
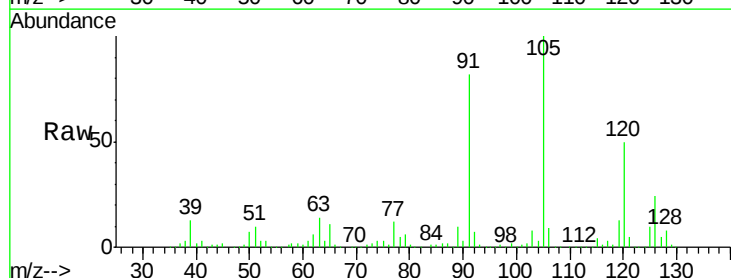
Acq: 28 Apr 2018 00:08

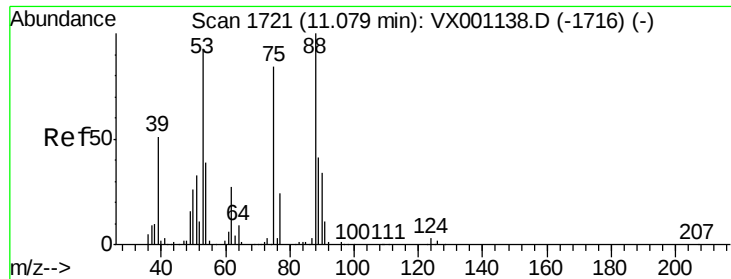
Tgt Ion: 105 Resp: 204036

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





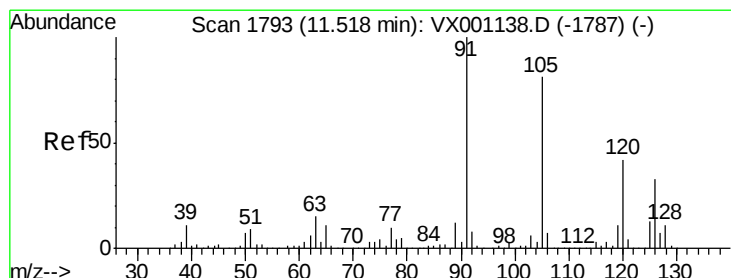
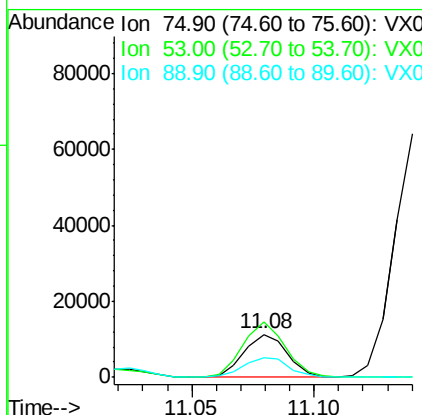
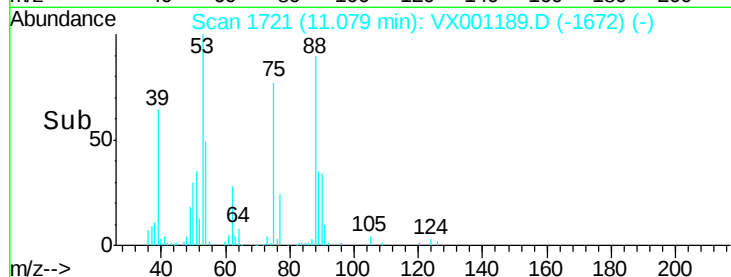
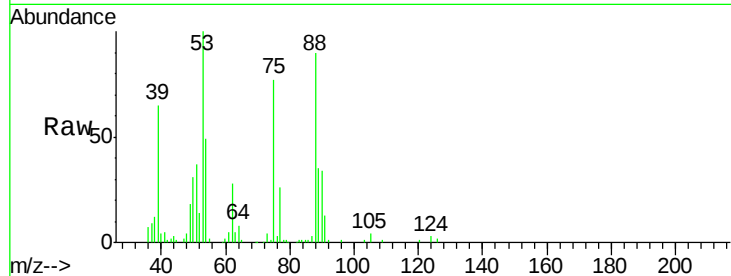
#81
trans-1,4-Dichloro-2-butene
Concen: 16.22 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	128.2	87.9	131.9
89	47.4	37.7	56.5

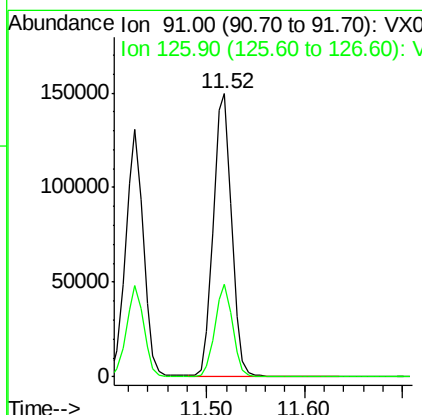
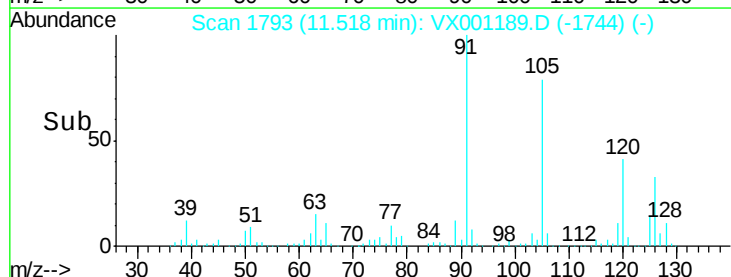
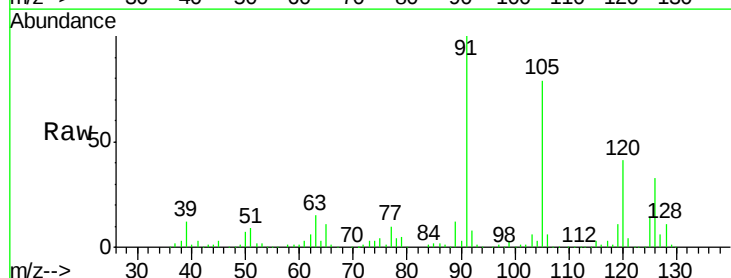
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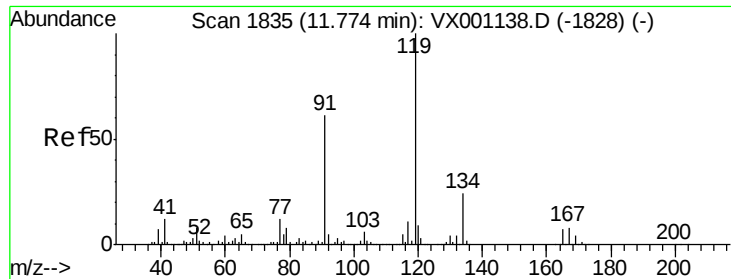
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#82
4-Chlorotoluene
Concen: 20.56 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.4





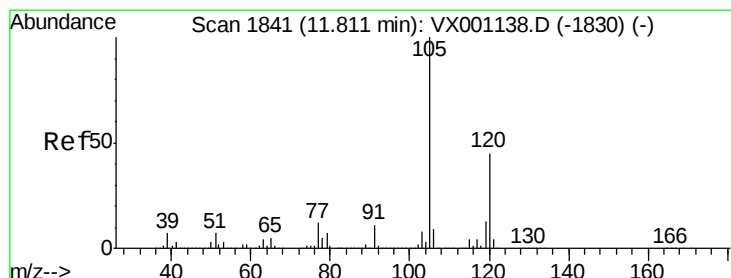
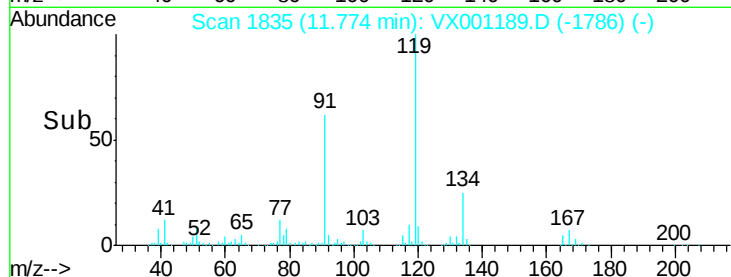
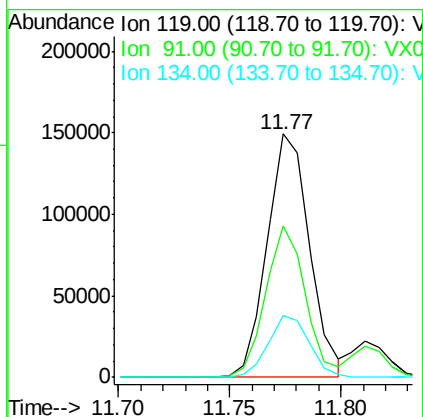
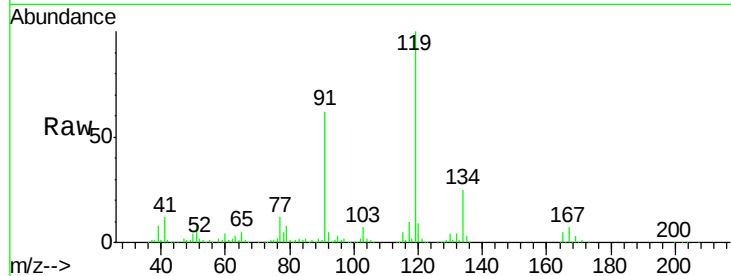
#83
 tert-Butylbenzene
 Concen: 20.19 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196912		
91	58.4		27.6	82.8
134	24.6		11.5	34.5

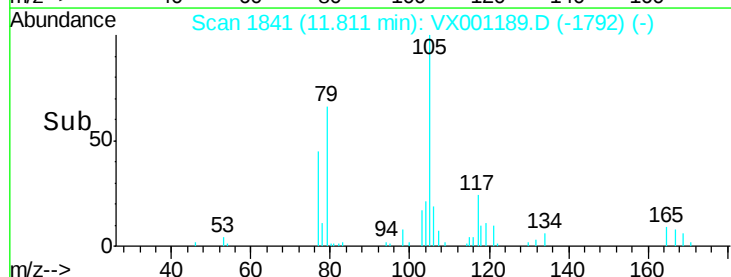
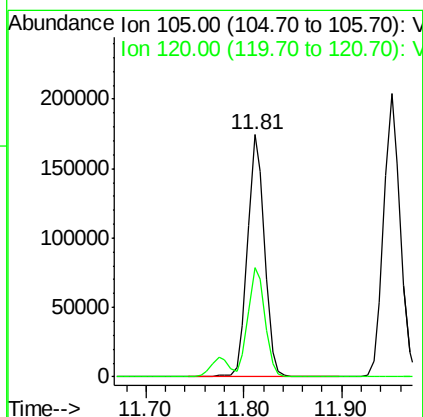
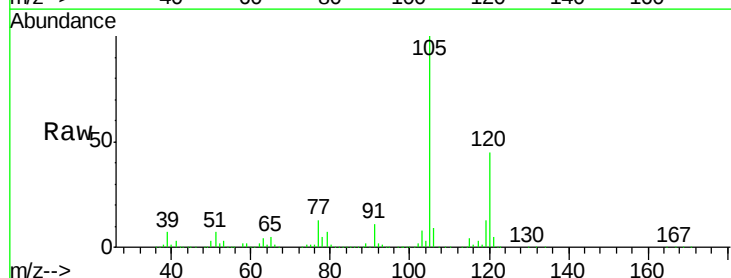
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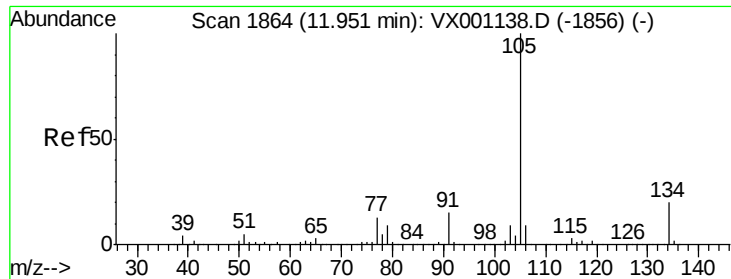
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 4/30/2018 6:04:42 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.95 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210422		
120	45.0		22.4	67.3





#85

sec-Butylbenzene

Concen: 21.15 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

Tot Ion:105 Resp: 240957

Ion Ratio Lower Upper

105 100

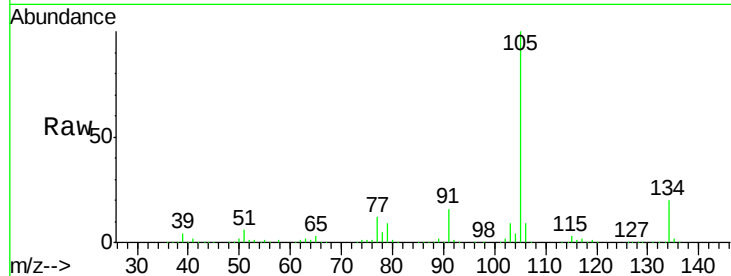
134 21.2 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

200000

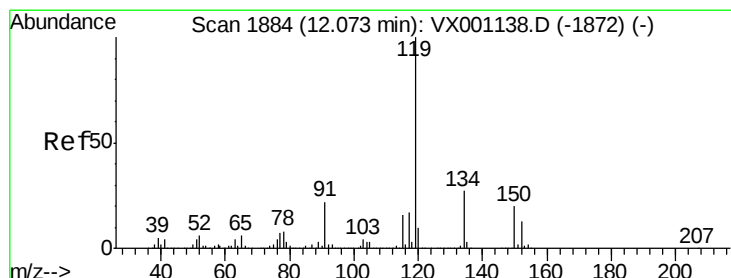
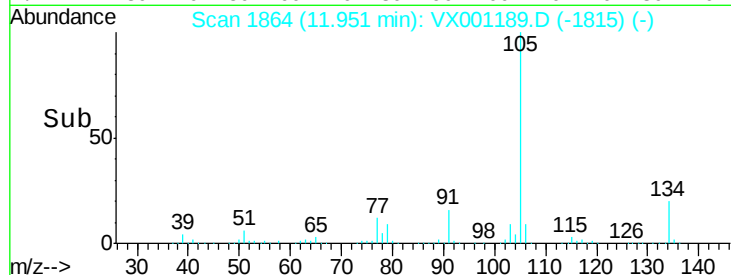
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.73 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

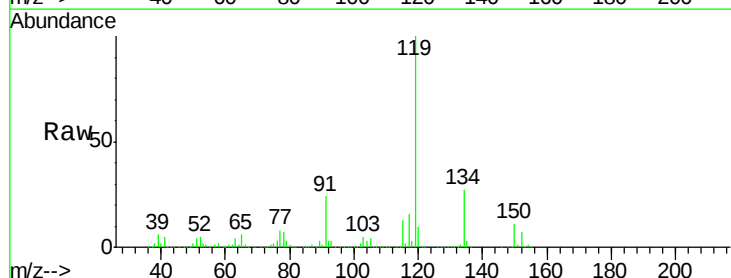
Tgt Ion:119 Resp: 219709

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.3 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

200000

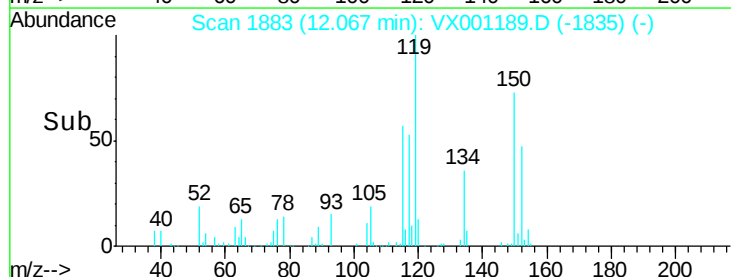
150000

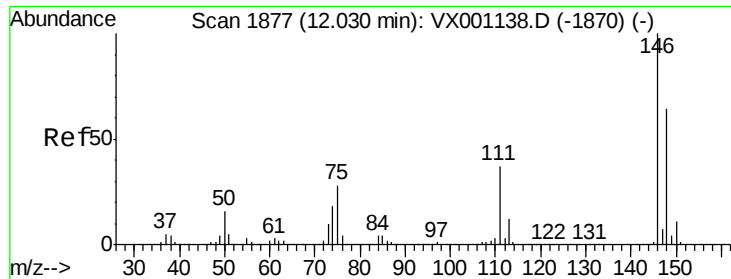
100000

50000

0

Time-->





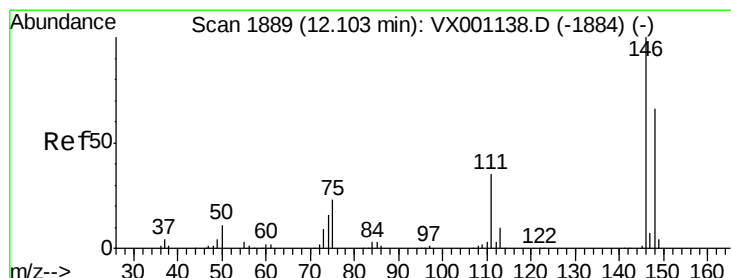
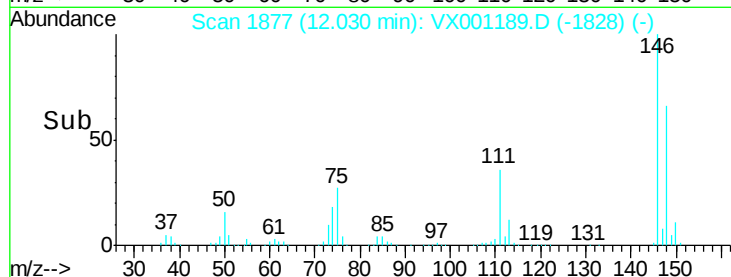
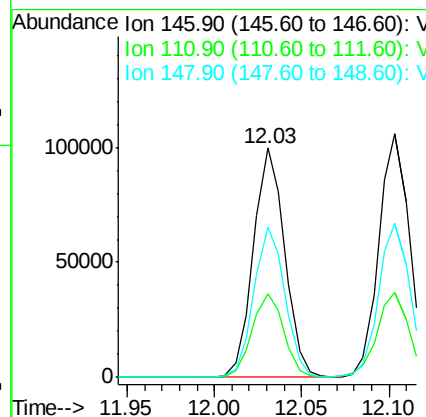
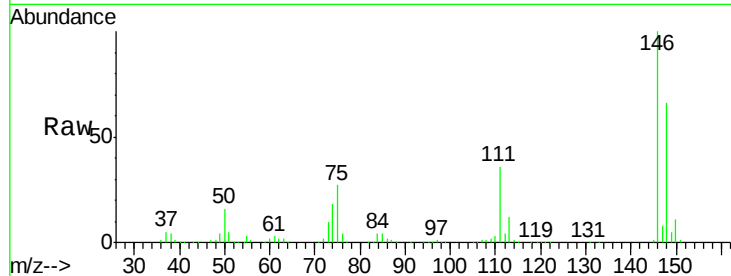
#87
 1,3-Dichlorobenzene
 Concen: 20.28 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	56.0
148	65.1	32.3	96.8

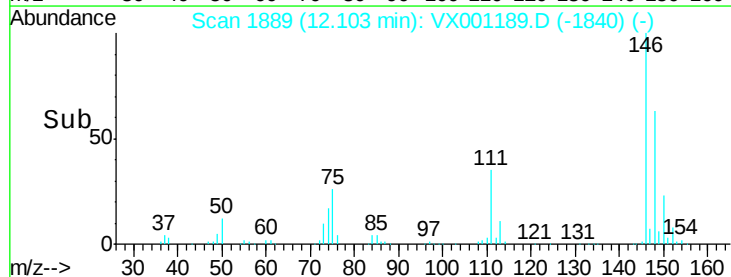
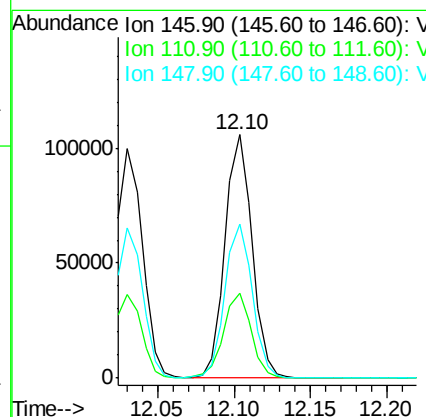
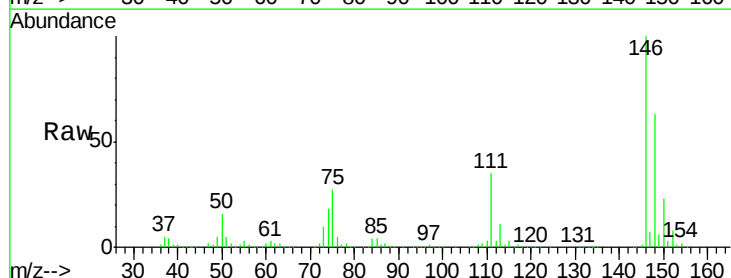
Manual Integrations
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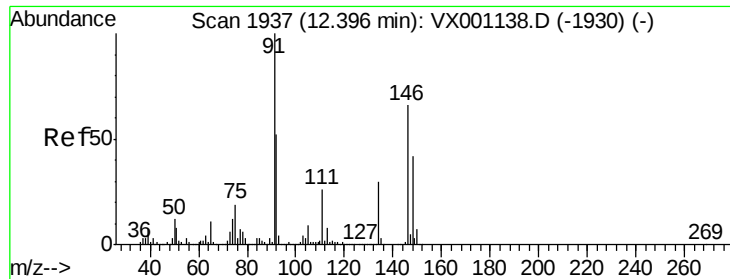
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#88
 1,4-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.0	54.0
148	64.8	32.5	97.5





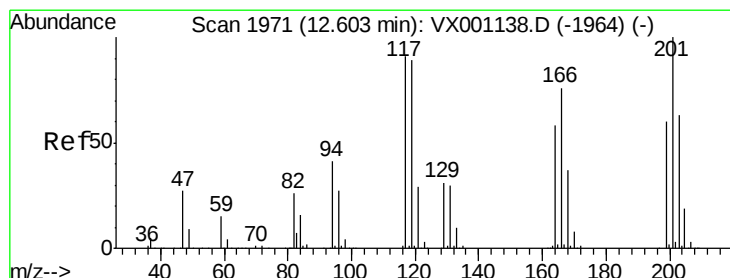
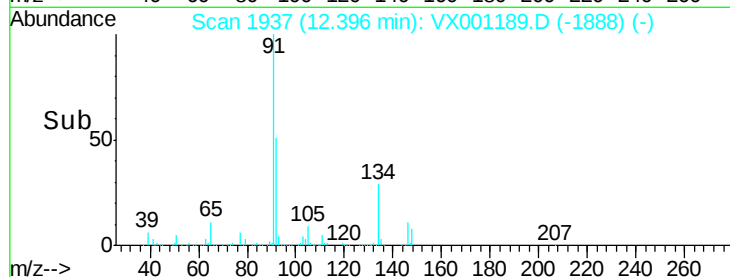
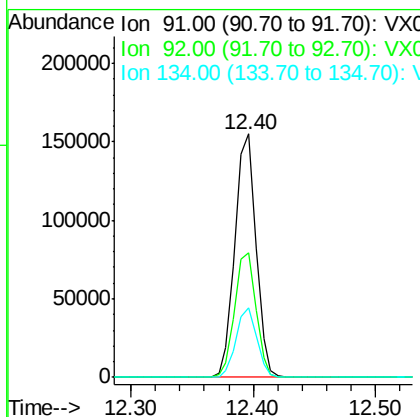
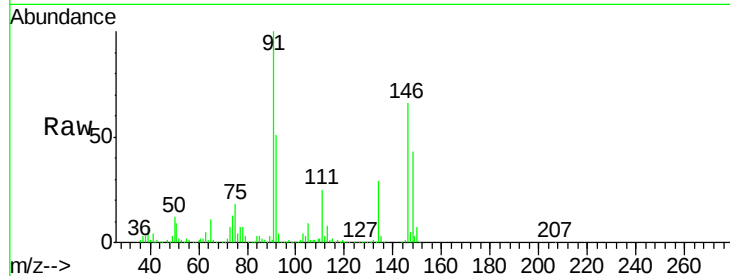
#89
n-Butylbenzene
Concen: 20.02 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.6
134	28.1	14.1	42.3

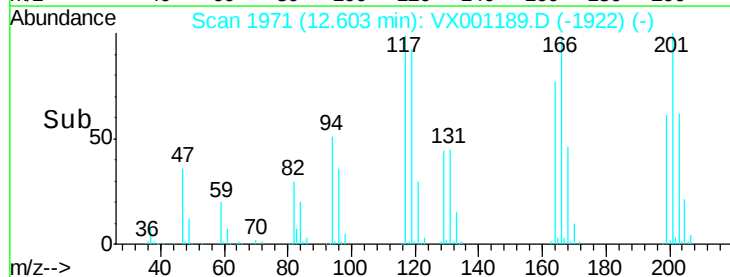
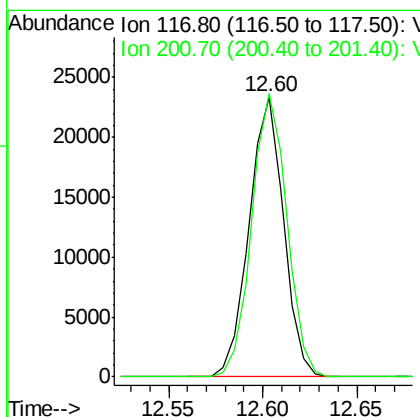
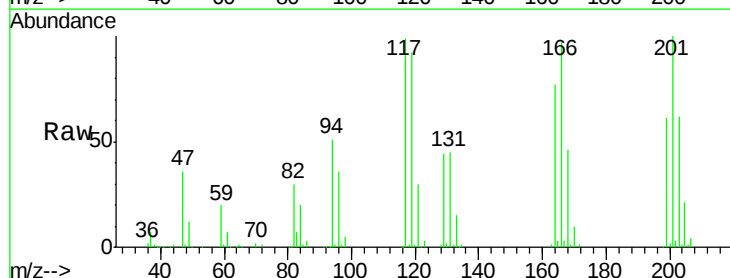
Manual Integrations
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#90
Hexachloroethane
Concen: 19.52 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.8	51.8	155.4





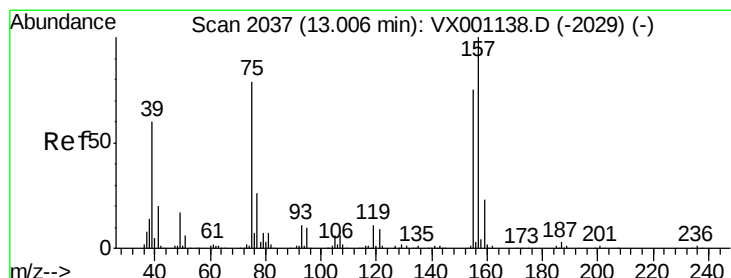
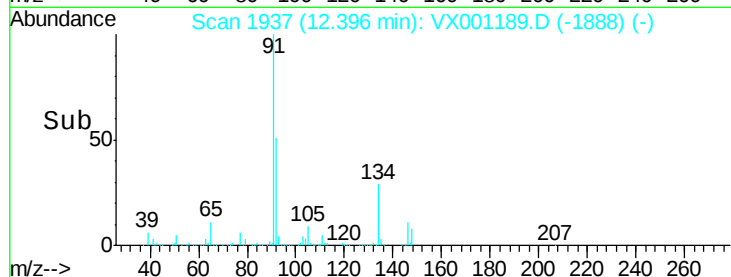
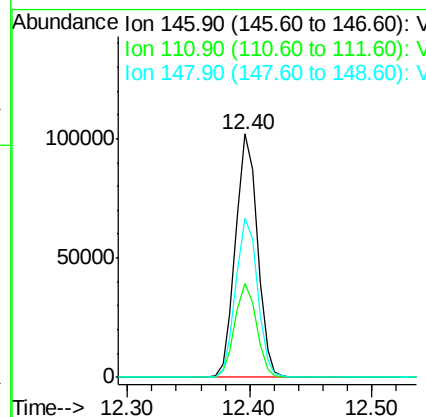
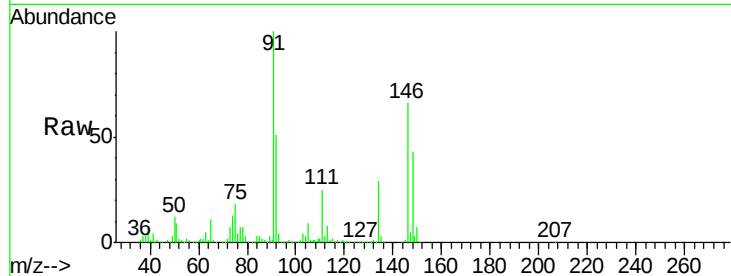
#91
 1,2-Dichlorobenzene
 Concen: 20.28 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	125938		
111	38.2	19.1	57.3	
148	65.2	32.2	96.6	

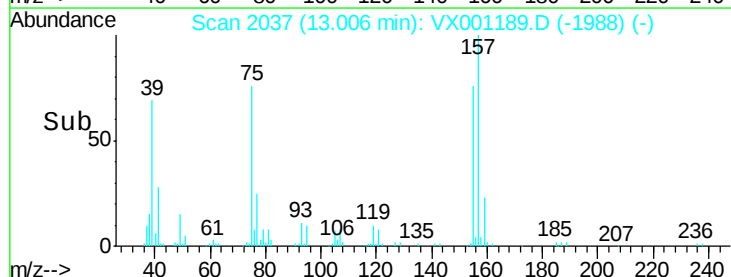
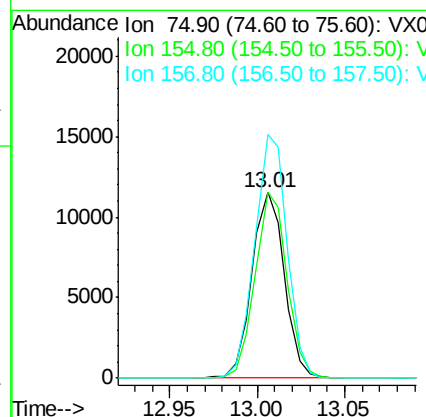
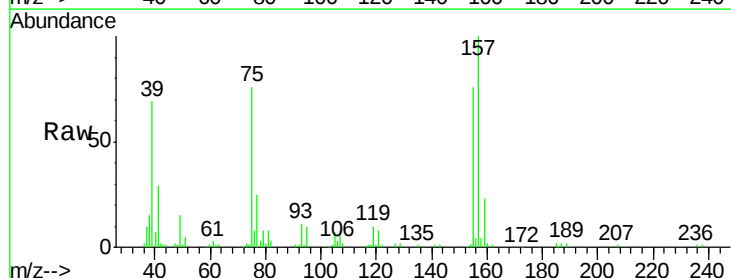
Manual Integrations
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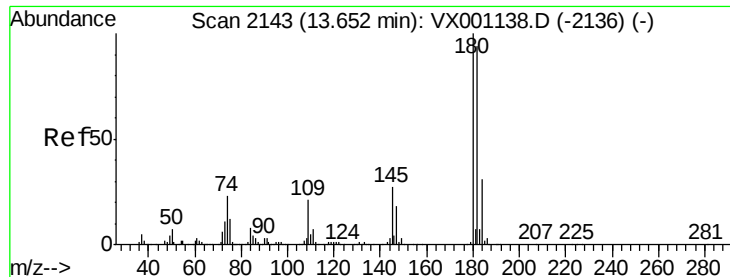
MMDadoda
 4/30/2018 6:04:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.52 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14805		
155	98.3	48.4	145.3	
157	131.9	62.7	188.1	





#93

1,2,4-Trichlorobenzene

Concen: 19.83 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

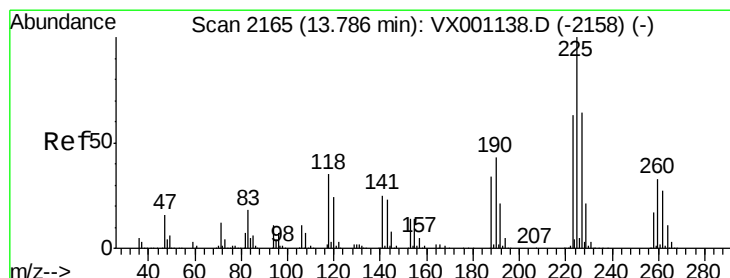
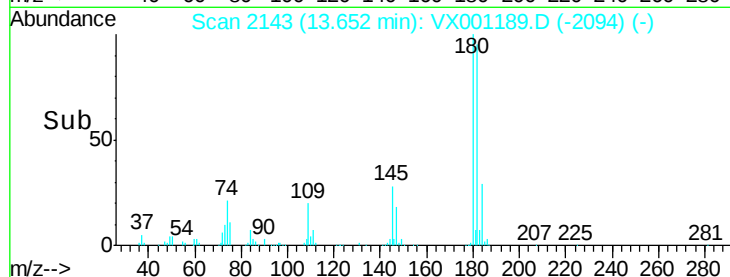
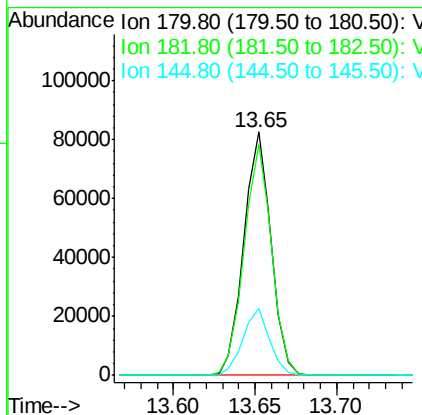
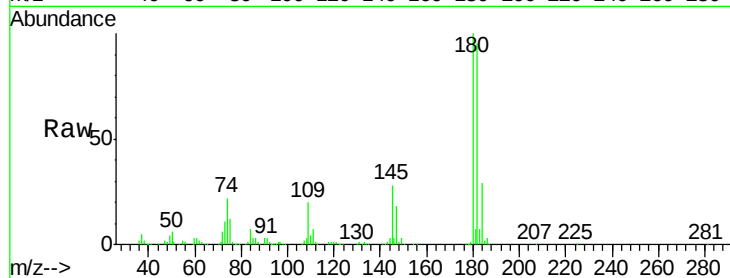
ClientSampleId :

VX0427WBSD02

Tot Ion:	180	Resp:	96536
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.6
145	27.1	13.8	41.4

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:04:42 PM



#94

Hexachlorobutadiene

Concen: 20.14 ug/l

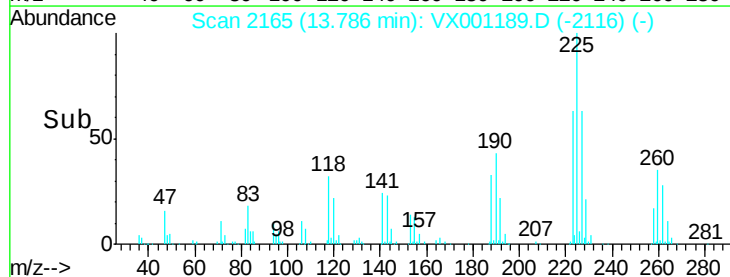
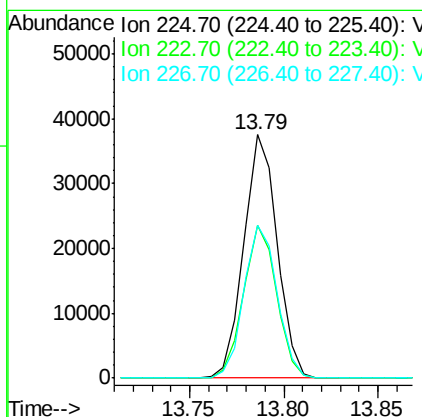
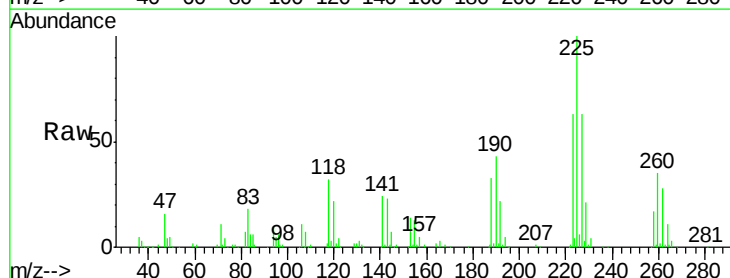
RT: 13.79 min Scan# 2165

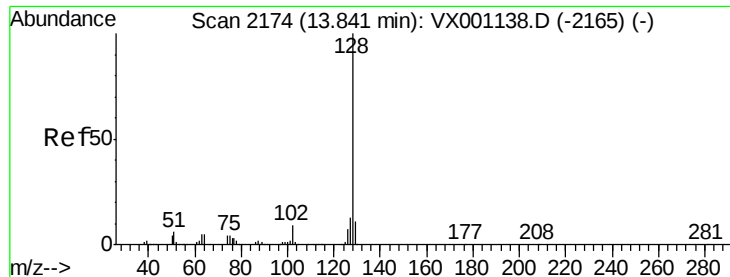
Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion:	225	Resp:	46086
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.3	93.9
227	62.8	32.2	96.6





#95

Naphthalene

Concen: 19.59 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

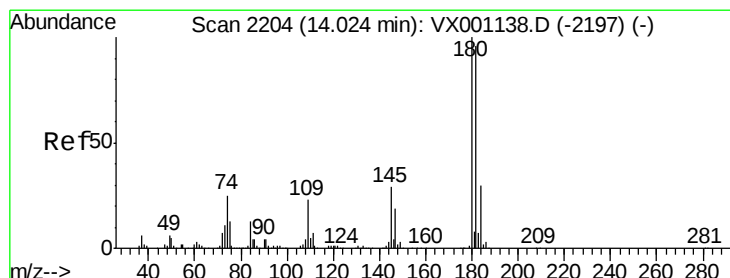
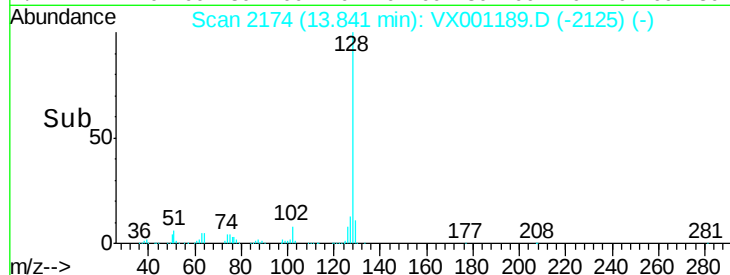
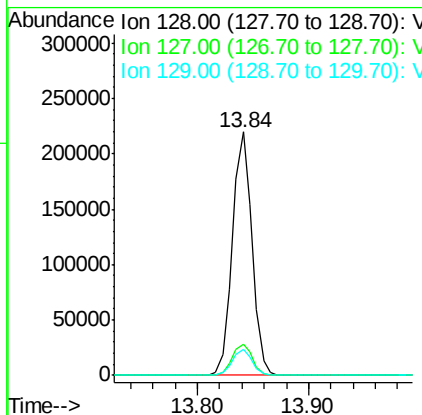
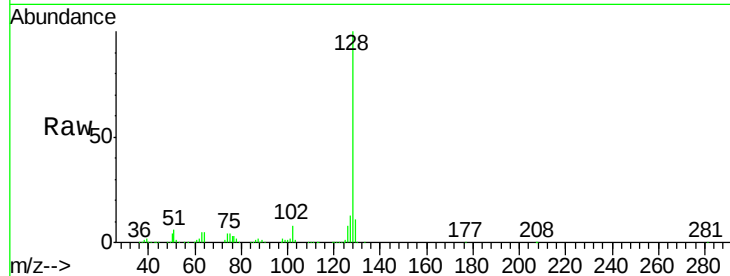
ClientSampleId :

VX0427WBSD02

Tot Ion:	128	Resp:	265705
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:04:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.23 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion:	180	Resp:	97995
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.2	144.6
145	28.3	14.5	43.5

