

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001334.D
 Acq On : 02 May 2018 23:51
 Operator : JC/MD
 Sample : VX0502WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:21 PM

Quant Time: May 03 06:39:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	158343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	215240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	204610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	134586	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	109203	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	5.51	113	92460	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.72	98	332520	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.14	95	121806	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	37712	21.53	ug/l	96
3) Chloromethane	1.32	50	35945	20.90	ug/l	99
4) Vinyl Chloride	1.40	62	39560	21.85	ug/l	99
5) Bromomethane	1.64	94	30756	21.89	ug/l	96
6) Chloroethane	1.72	64	25152	21.98	ug/l	97
7) Trichlorofluoromethane	1.93	101	69109	22.62	ug/l	97
8) Diethyl Ether	2.19	74	24513	23.37	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	37408	21.24	ug/l	99
10) Methyl Iodide	2.51	142	51464	28.81	ug/l	98
11) Tert butyl alcohol	3.09	59	53946	143.05	ug/l	99
12) 1,1-Dichloroethene	2.37	96	34079	21.46	ug/l	99
13) Acrolein	2.30	56	17588	81.00	ug/l	96
14) Allyl chloride	2.73	41	60214	21.67	ug/l	99
15) Acrylonitrile	3.16	53	113131	129.44	ug/l	99
16) Acetone	2.45	43	110396	117.99	ug/l	99
17) Carbon Disulfide	2.57	76	77192	18.65	ug/l	99
18) Methyl Acetate	2.79	43	62549	28.31	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	126985	23.47	ug/l	99
20) Methylene Chloride	2.86	84	39730	22.66	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	36254	20.97	ug/l	98
22) Diisopropyl ether	3.89	45	122789	22.94	ug/l	96
23) Vinyl Acetate	3.84	43	530913	117.06	ug/l	99
24) 1,1-Dichloroethane	3.70	63	69723	23.39	ug/l	99
25) 2-Butanone	4.73	43	148891	117.70	ug/l	98
26) 2,2-Dichloropropane	4.59	77	29154	12.02	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	38255	20.13	ug/l	98
28) Bromochloromethane	5.03	49	32752	24.44	ug/l	100
29) Tetrahydrofuran	5.18	42	95329	122.53	ug/l	99
30) Chloroform	5.23	83	65884	20.91	ug/l	97
31) Cyclohexane	5.58	56	50262	18.67	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	56488	20.51	ug/l	99
36) 1,1-Dichloropropene	5.81	75	46233	18.61	ug/l	100
37) Ethyl Acetate	4.87	43	55470	22.11	ug/l	98
38) Carbon Tetrachloride	5.79	117	49944	19.19	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	52245	17.78	ug/l	97
40) Benzene	6.15	78	141439	19.79	ug/l	98
41) Methacrylonitrile	5.07	41	30707	21.02	ug/l	97
42) 1,2-Dichloroethane	6.21	62	54085	19.55	ug/l	97
43) Isopropyl Acetate	6.48	43	85920	21.16	ug/l	99
44) Trichloroethene	7.22	130	43740	20.00	ug/l	98
45) 1,2-Dichloropropane	7.52	63	36044	19.64	ug/l	96
46) Dibromomethane	7.67	93	26886	20.90	ug/l	98
47) Bromodichloromethane	7.91	83	45278	19.69	ug/l	95
48) Methyl methacrylate	7.79	41	46027	21.32	ug/l	99
49) 1,4-Dioxane	7.77	88	20932	513.80	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	306698	117.14	ug/l	99
52) Toluene	8.79	92	91950	19.68	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	49095	17.95	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	44291	17.60	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	39390	20.87	ug/l	98
56) Ethyl methacrylate	9.19	69	54527	20.85	ug/l	99
57) 1,3-Dichloropropane	9.38	76	63452	20.91	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	135618	107.51	ug/l	99
59) 2-Hexanone	9.51	43	234034	114.37	ug/l	99
60) Dibromochloromethane	9.59	129	40067	20.36	ug/l	97
61) 1,2-Dibromoethane	9.68	107	42132	21.07	ug/l	100
64) Tetrachloroethene	9.34	164	55912	23.07	ug/l	97
65) Chlorobenzene	10.15	112	107635	19.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	39224	20.31	ug/l	99
67) Ethyl Benzene	10.26	91	172939	18.86	ug/l	98
68) m/p-Xylenes	10.37	106	137830	38.20	ug/l	99
69) o-Xylene	10.71	106	67592	19.32	ug/l	99
70) Styrene	10.72	104	110734	19.35	ug/l	99
71) Bromoform	10.87	173	32071	19.76	ug/l #	98
73) Isopropylbenzene	11.02	105	182108	20.23	ug/l	99
74) N-amyl acetate	6.48	43	85920	22.24	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	58950	21.85	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	54664m	21.96	ug/l	
77) Bromobenzene	11.26	156	53827	20.73	ug/l	97
78) n-propylbenzene	11.37	91	198853	19.87	ug/l	100
79) 2-Chlorotoluene	11.43	91	121244	20.08	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	154259	20.40	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	10666	17.03	ug/l	89
82) 4-Chlorotoluene	11.52	91	141154	19.44	ug/l	99
83) tert-Butylbenzene	11.77	119	145739	19.33	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	159636	20.60	ug/l	100
85) sec-Butylbenzene	11.95	105	181535	20.12	ug/l	100
86) p-Isopropyltoluene	12.07	119	164844	19.92	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	94697	19.53	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	95044	19.01	ug/l	99
89) n-Butylbenzene	12.40	91	130274	18.04	ug/l	100
90) Hexachloroethane	12.60	117	22801	19.03	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	97476	20.20	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12502	22.93	ug/l	93

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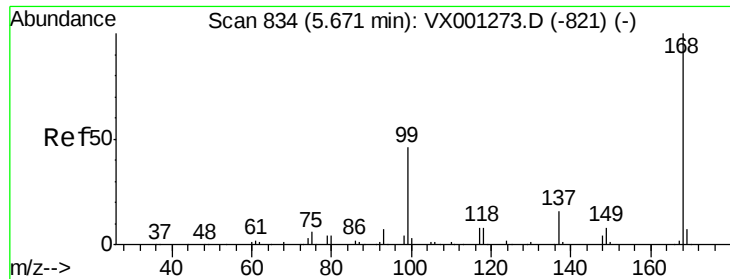
Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	69407	17.88	ug/l	100
94) Hexachlorobutadiene	13.79	225	37986	18.70	ug/l	97
95) Naphthalene	13.84	128	206633	20.98	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	73737	19.35	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: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion:168 Resp: 158343

Ion Ratio Lower Upper

168 100

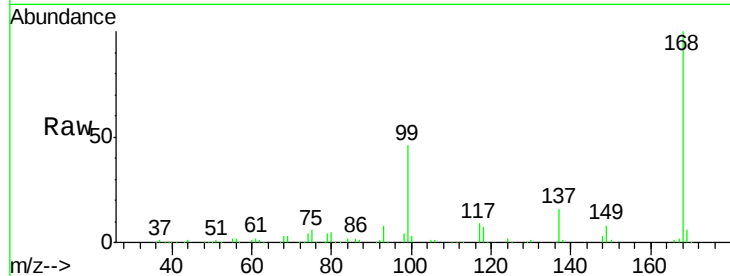
99 46.2 36.5 54.7

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

60000

50000

40000

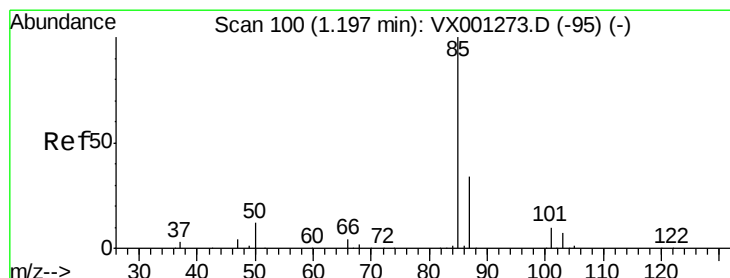
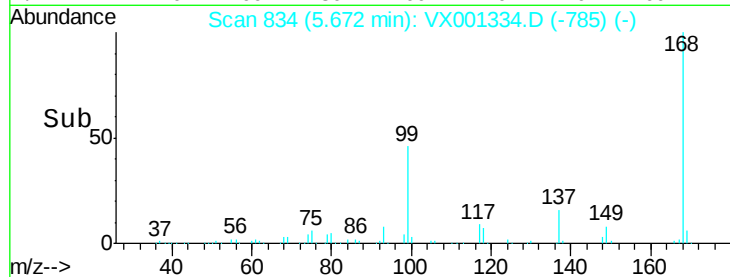
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.53 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001334.D

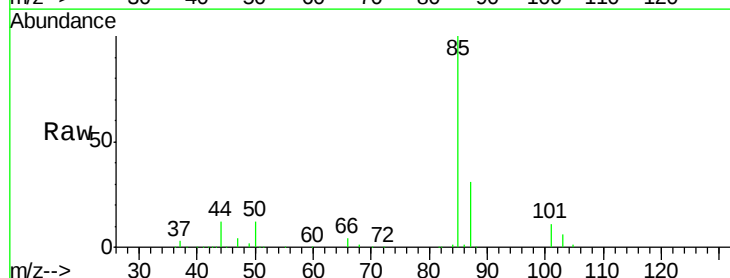
Acq: 02 May 2018 23:51

Tgt Ion: 85 Resp: 37712

Ion Ratio Lower Upper

85 100

87 31.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

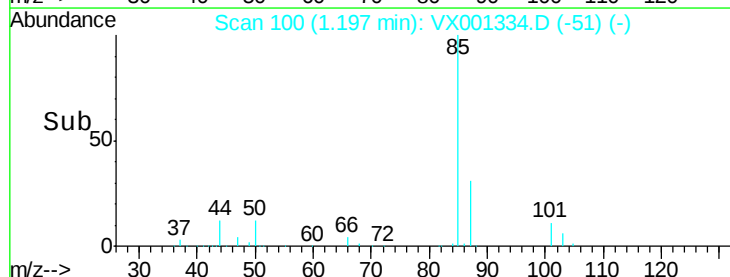
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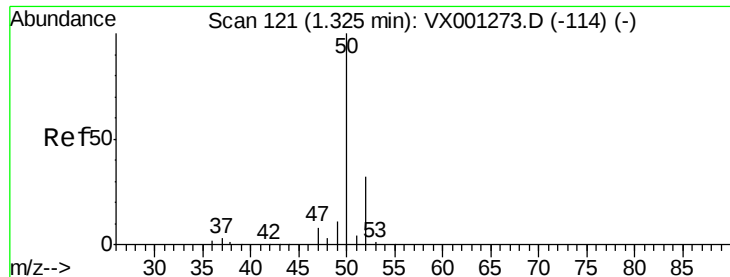
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10000

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Time-->





#3

Chloromethane

Concen: 20.90 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 50 Resp: 35945

Ion Ratio Lower Upper

50 100

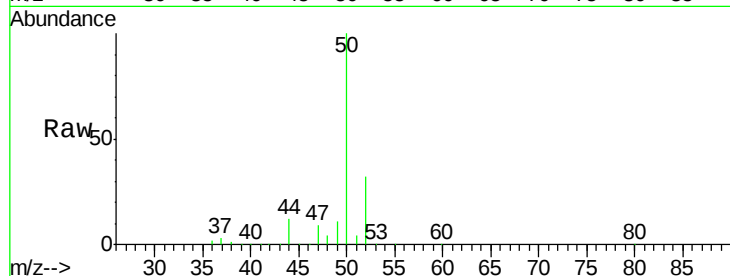
52 31.8 25.7 38.5

Manual Integrations

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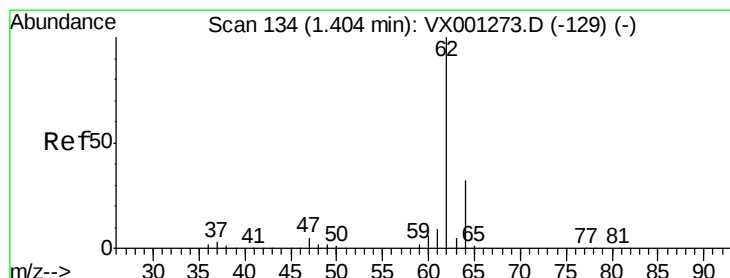
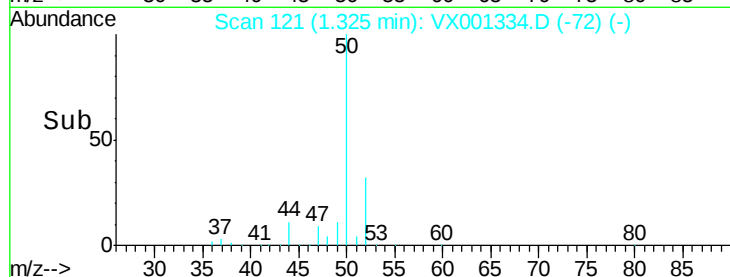
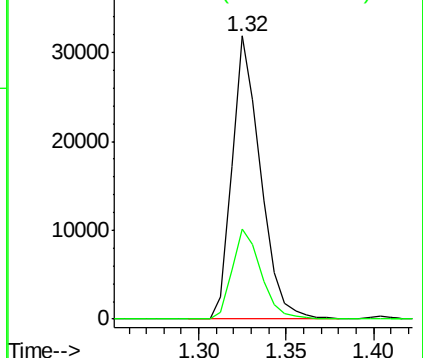
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.85 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001334.D

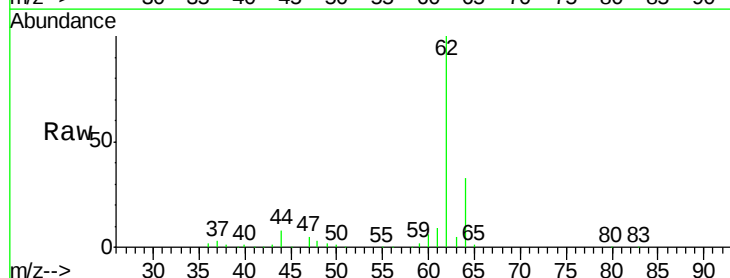
Acq: 02 May 2018 23:51

Tgt Ion: 62 Resp: 39560

Ion Ratio Lower Upper

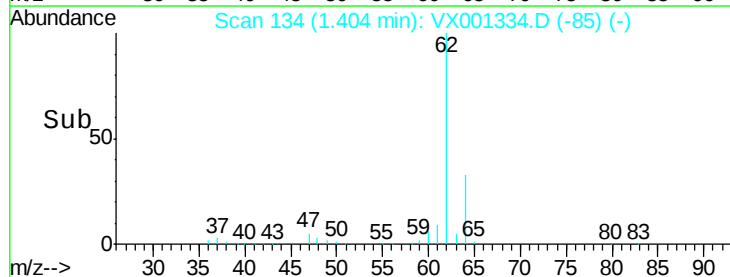
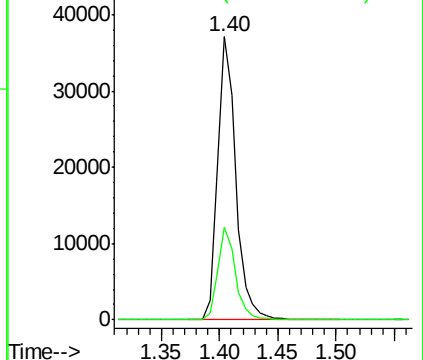
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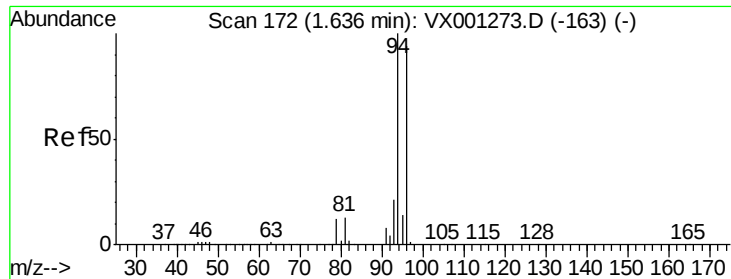
64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.89 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 94 Resp: 30756

Ion Ratio Lower Upper

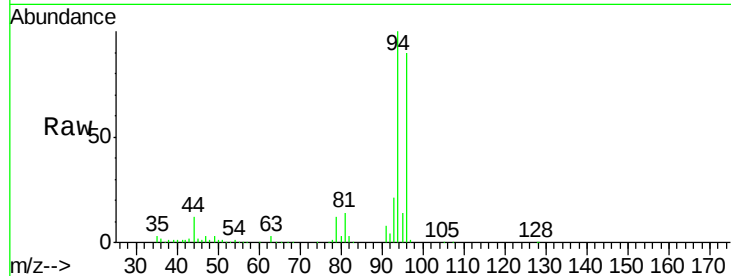
94 100

96 90.4 75.6 113.4

Manual Integrations
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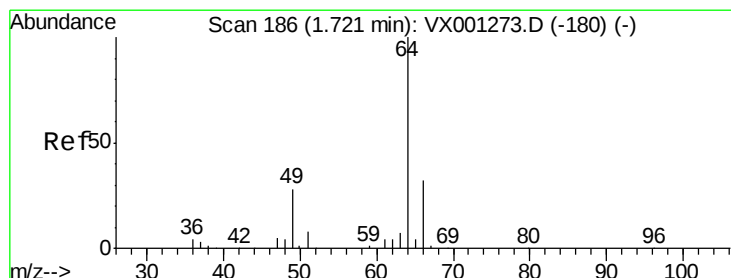
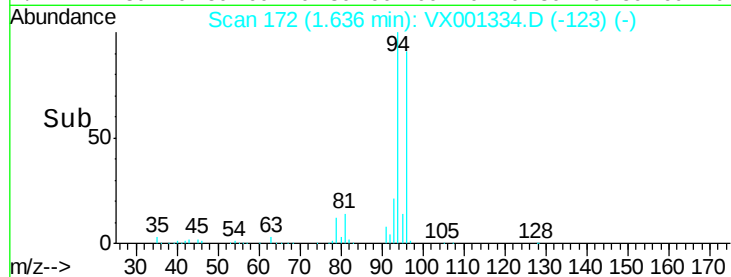
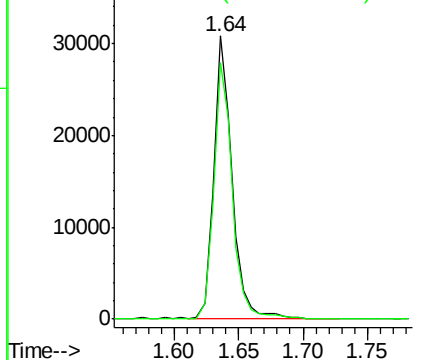
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.98 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001334.D

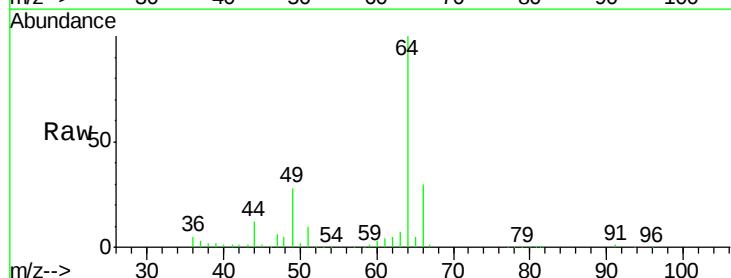
Acq: 02 May 2018 23:51

Tgt Ion: 64 Resp: 25152

Ion Ratio Lower Upper

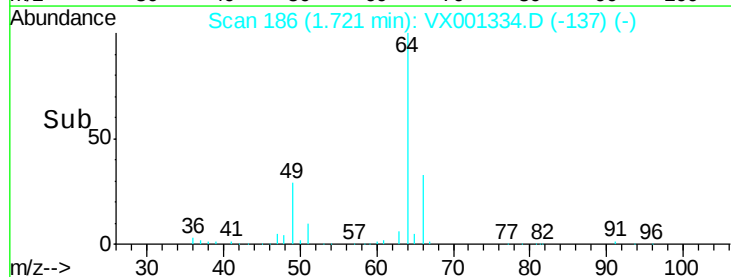
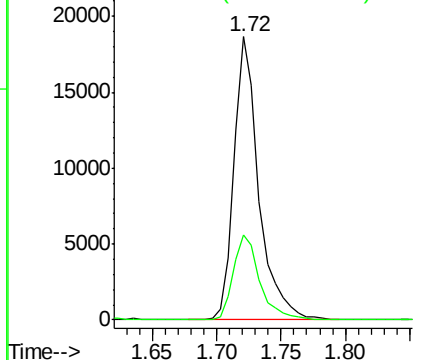
64 100

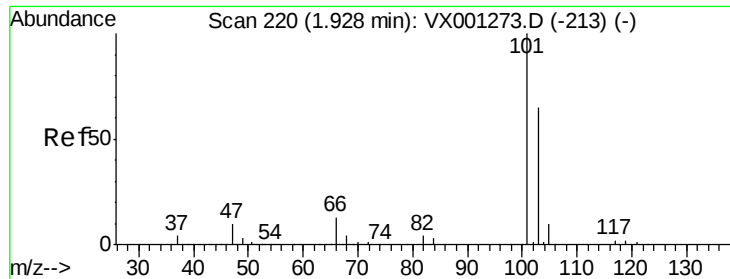
66 30.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

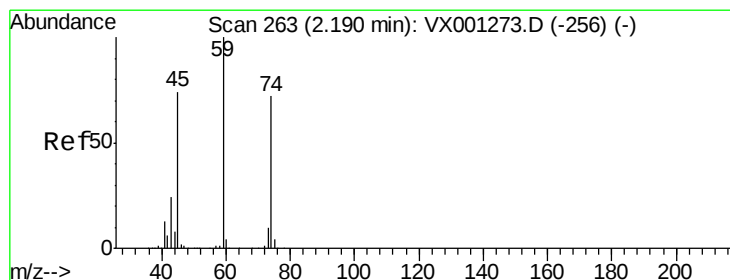
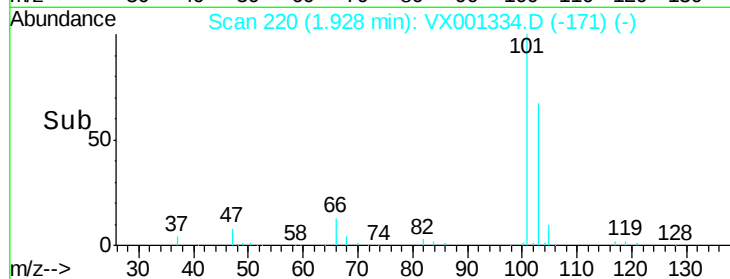
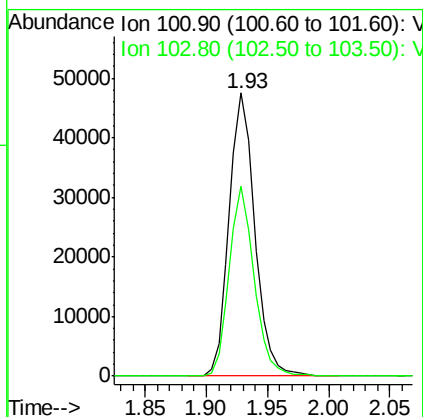
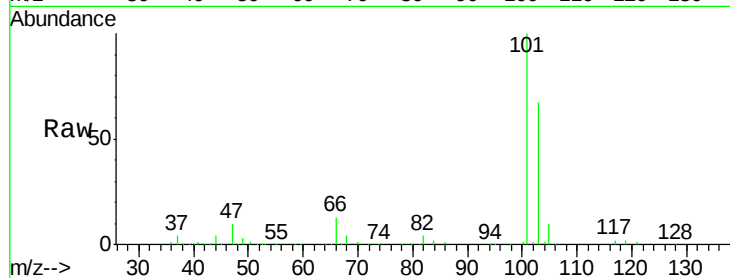
Trichlorofluoromethane
 Concen: 22.62 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.8	77.8

Manual Integrations
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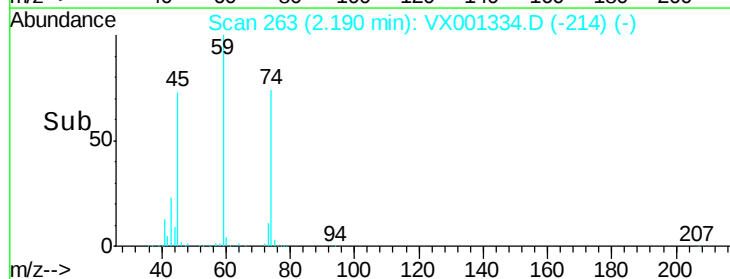
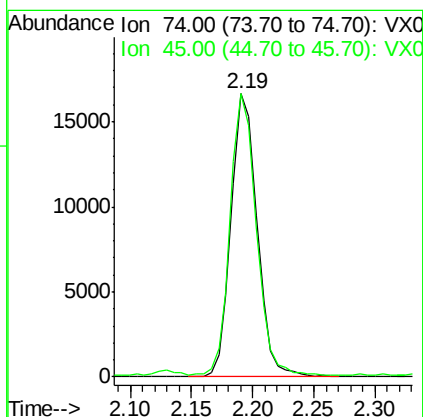
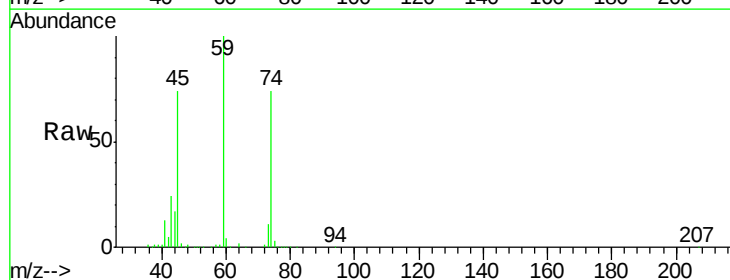
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 5/3/2018 12:21:21 PM

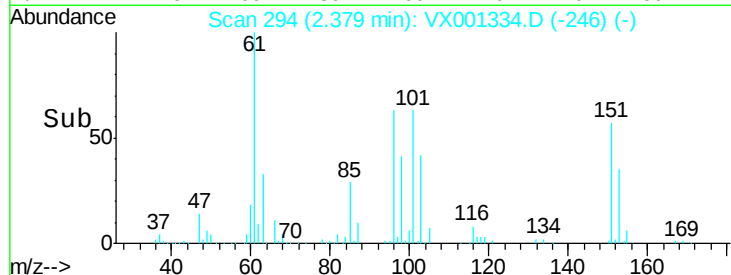
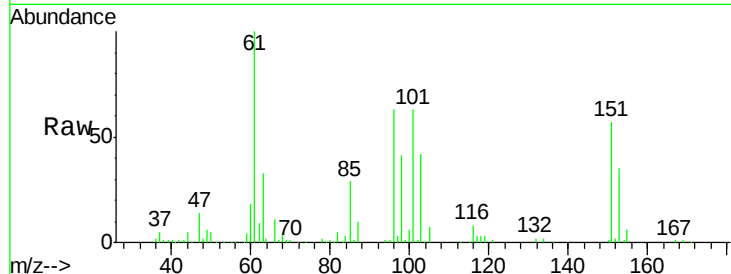
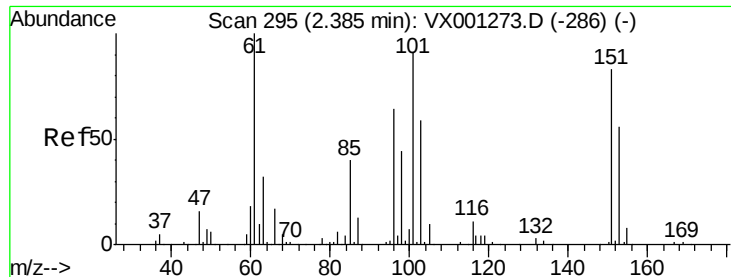


#8

Diethyl Ether
 Concen: 23.37 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	49.3	147.9





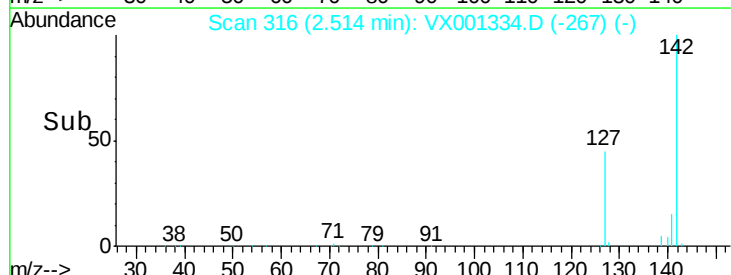
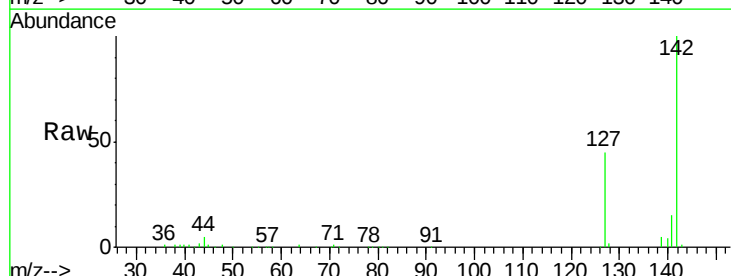
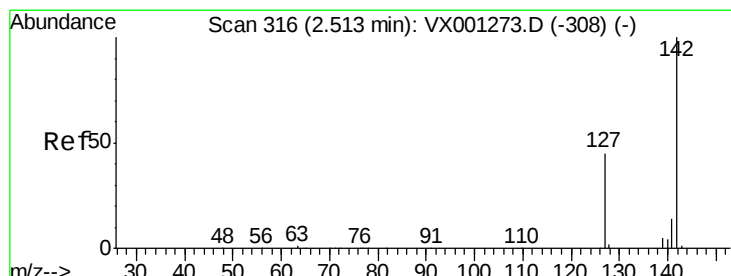
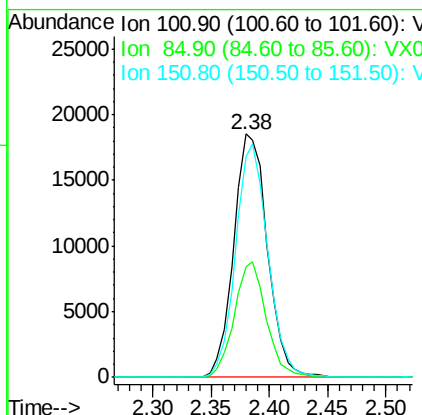
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.24 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.6	53.4
151	92.2	74.8	112.2

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

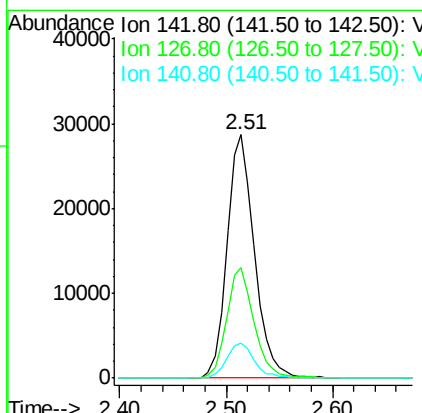
Manual Integrations
APPROVED

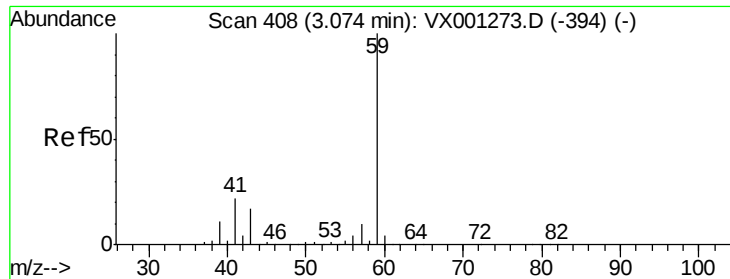
MMDadoda
5/3/2018 12:21:21 PM



#10
Methyl Iodide
Concen: 28.81 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.7	35.7	53.5
141	14.8	11.4	17.0





#11

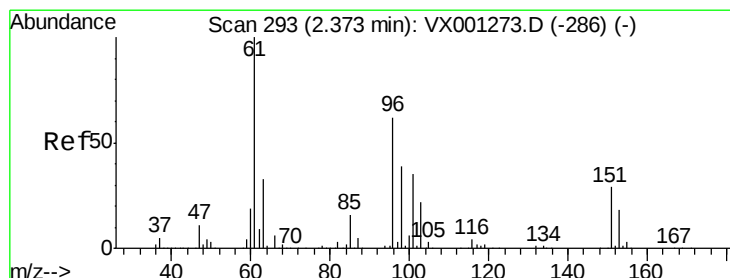
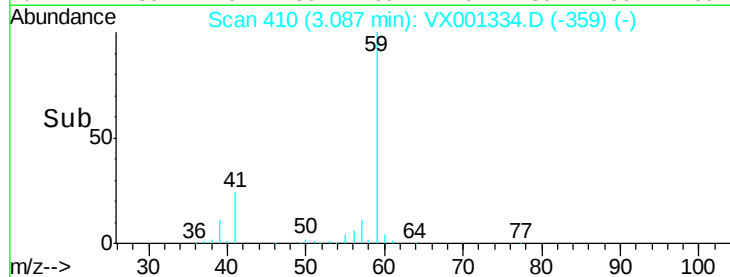
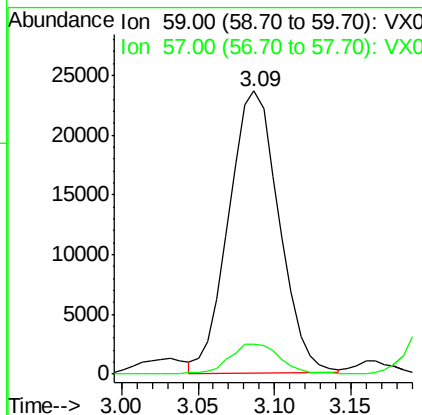
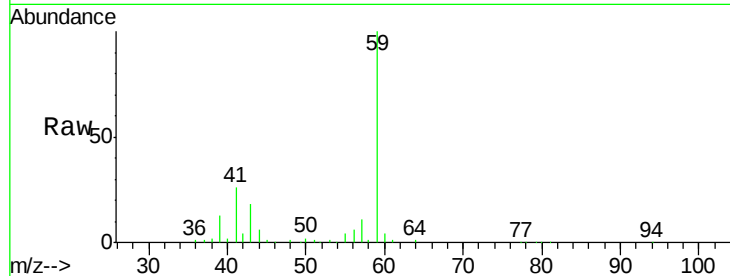
Tert butyl alcohol
Concen: 143.05 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion	59	Resp	53946
Ion Ratio	100	Lower	Upper
57	11.1	8.6	12.8

Manual Integrations
APPROVED

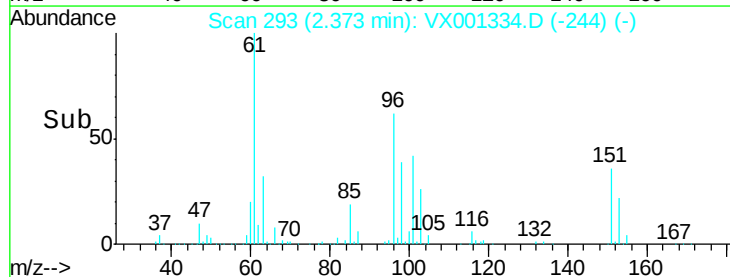
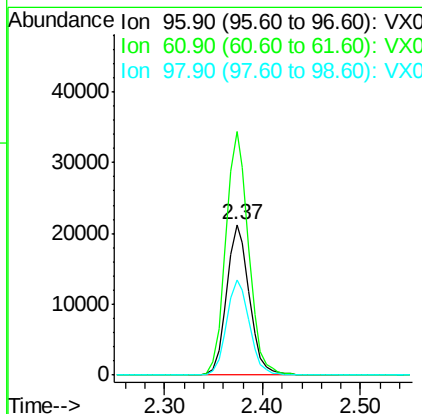
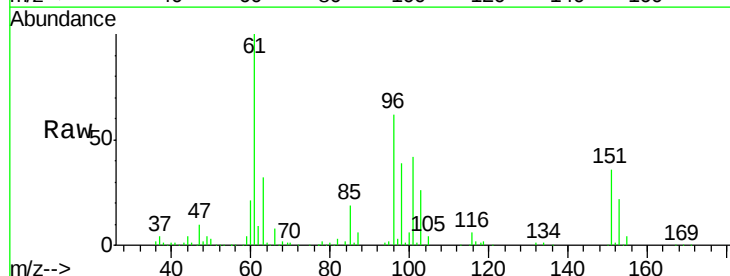
MMDadoda
5/3/2018 12:21:21 PM

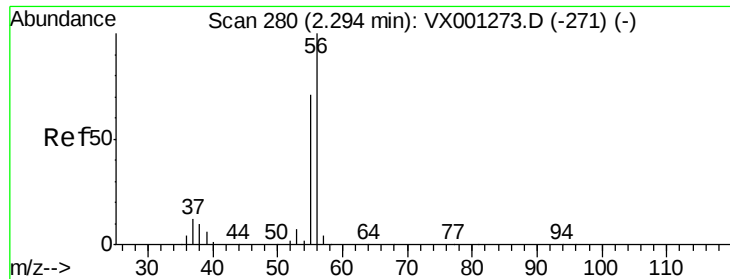


#12

1,1-Dichloroethene
Concen: 21.46 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion	96	Resp	34079
Ion Ratio	100	Lower	Upper
61	161.9	130.1	195.1
98	63.5	50.3	75.5





#13

Acrolein

Concen: 81.00 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 56 Resp: 17588

Ion Ratio Lower Upper

56 100

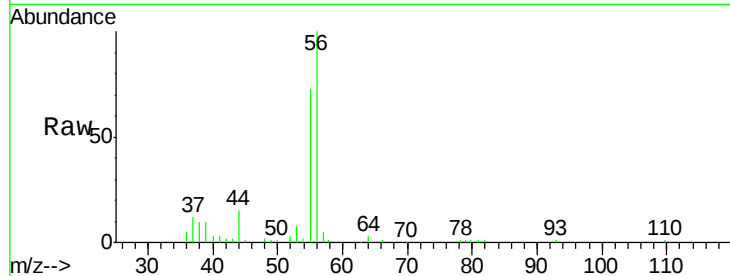
55 68.2 57.2 85.8

Manual Integrations

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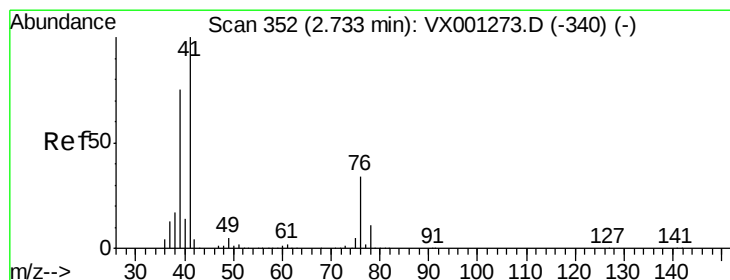
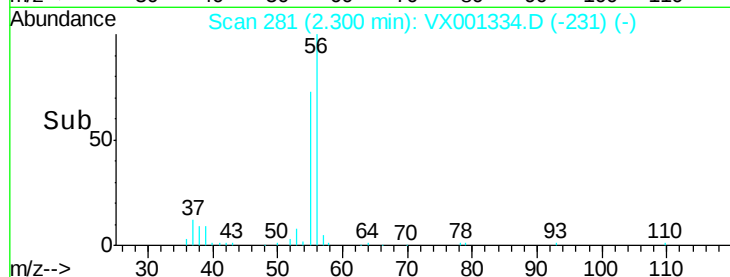
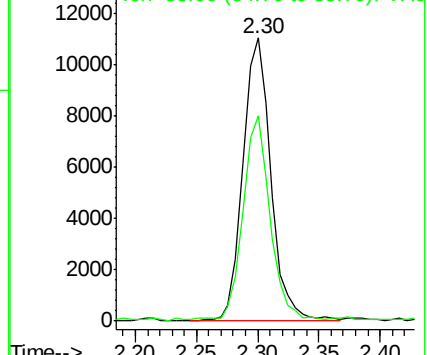
MMDadoda

5/3/2018 12:21:21 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.67 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

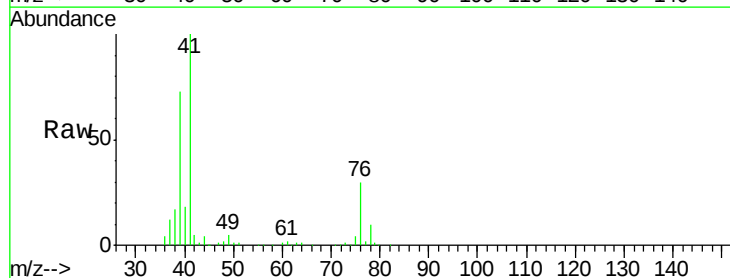
Tgt Ion: 41 Resp: 60214

Ion Ratio Lower Upper

41 100

39 71.8 58.1 87.1

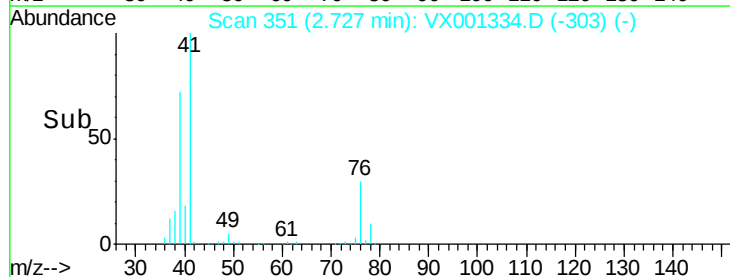
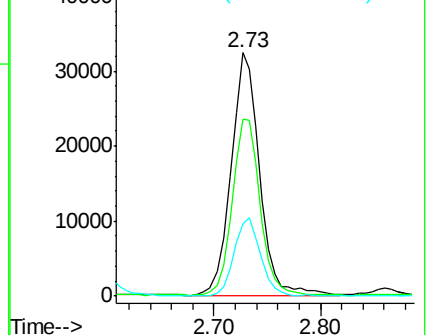
76 30.7 25.1 37.7

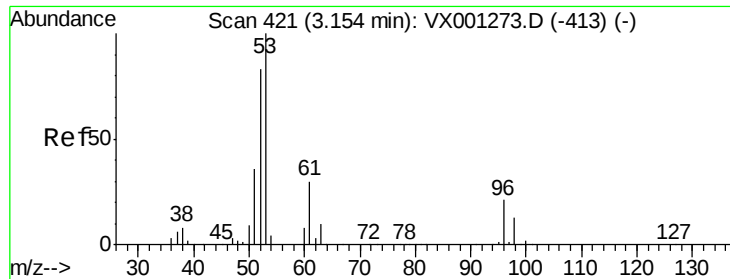


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 129.44 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

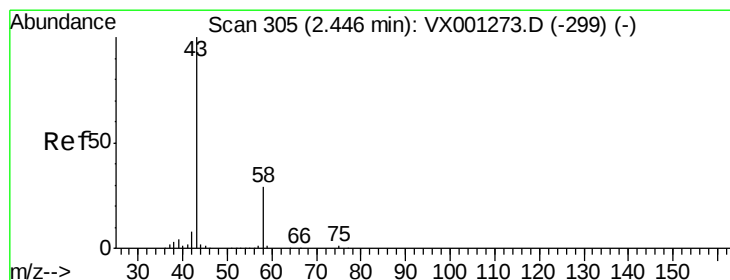
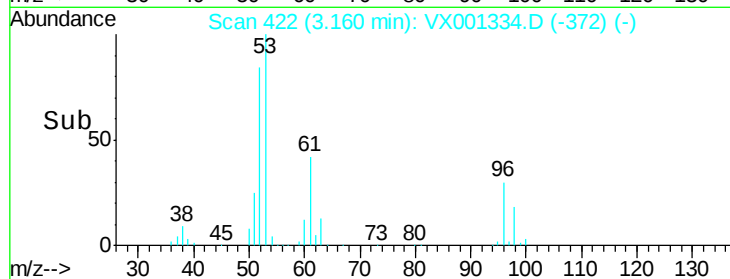
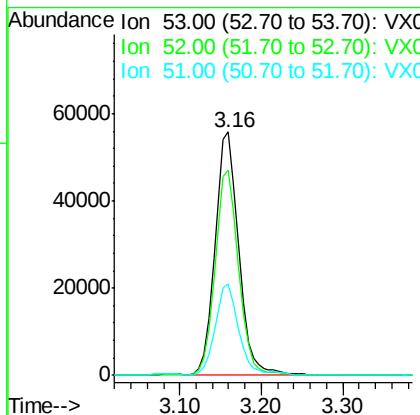
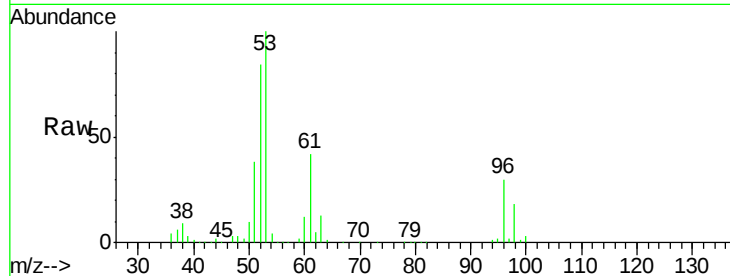
ClientSampled :

VX0502WBSD02

Tot Ion:	53	Resp:	113131
Ion Ratio	Lower	Upper	
53	100		
52	84.2	67.0	100.4
51	37.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 117.99 ug/l

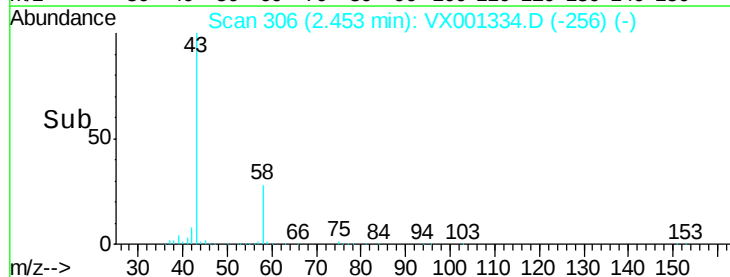
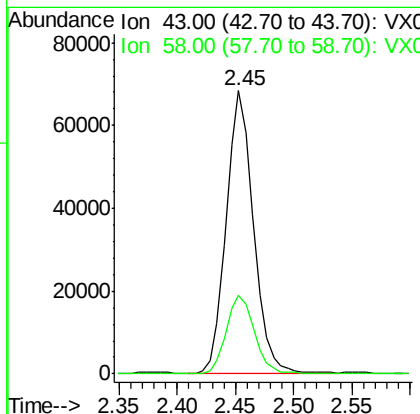
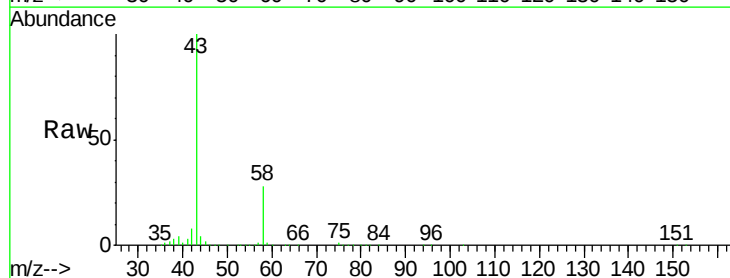
RT: 2.45 min Scan# 306

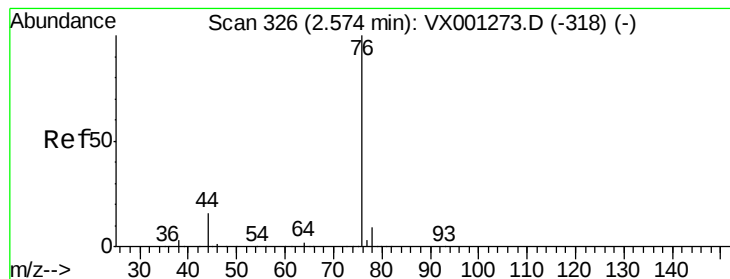
Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	43	Resp:	110396
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.8	34.2





#17

Carbon Disulfide

Concen: 18.65 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 76 Resp: 77192

Ion Ratio Lower Upper

76 100

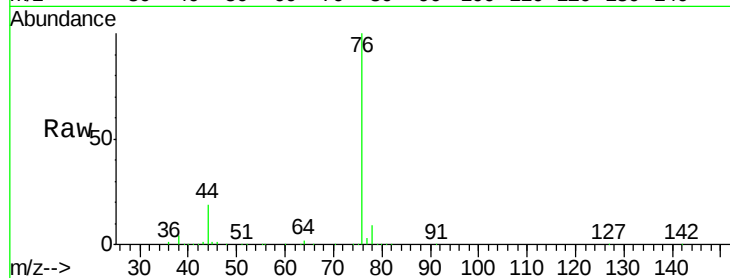
78 9.2 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

50000

40000

30000

20000

10000

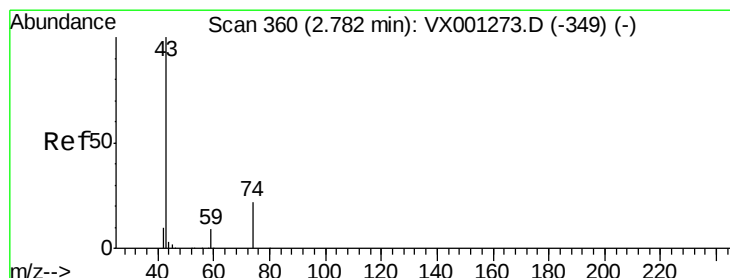
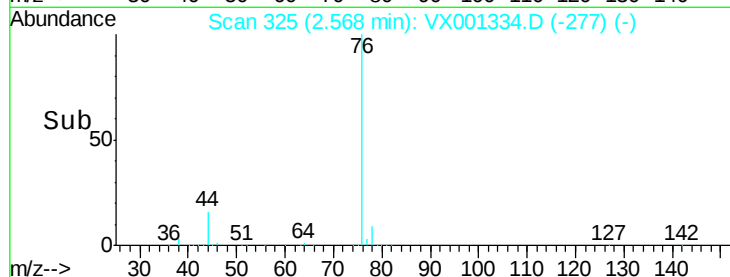
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 28.31 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001334.D

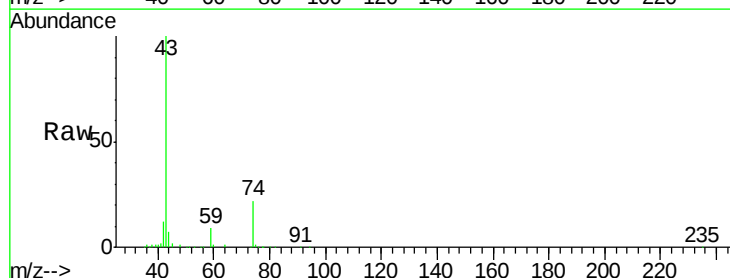
Acq: 02 May 2018 23:51

Tgt Ion: 43 Resp: 62549

Ion Ratio Lower Upper

43 100

74 22.9 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

40000

30000

20000

10000

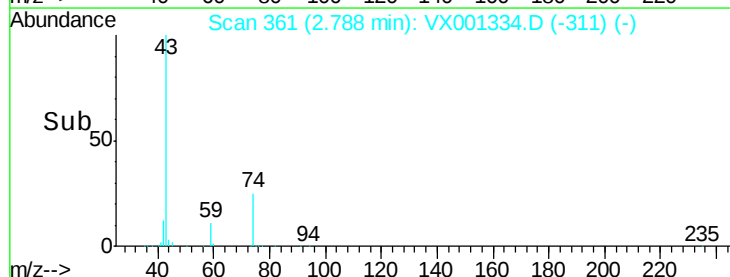
0

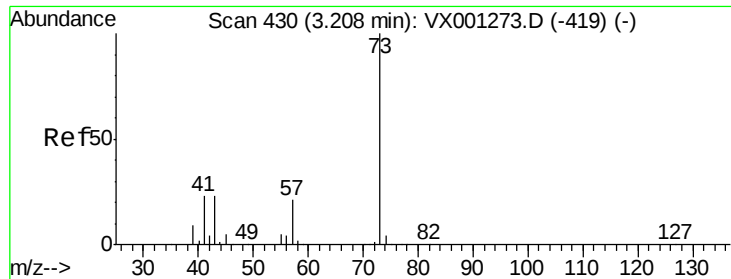
Time-->

2.70

2.80

2.90





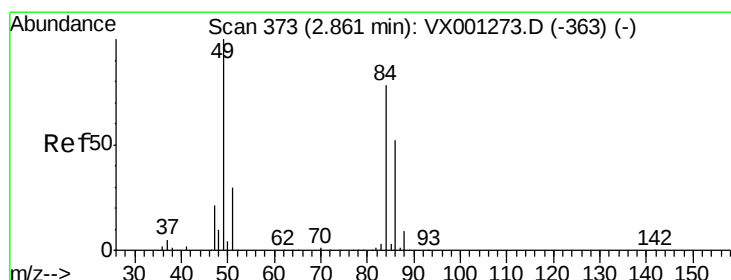
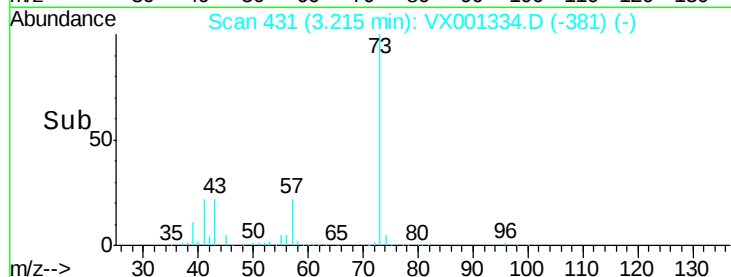
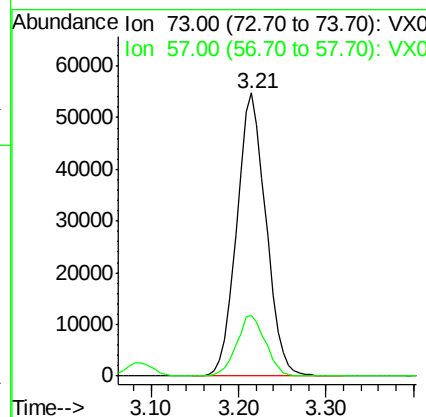
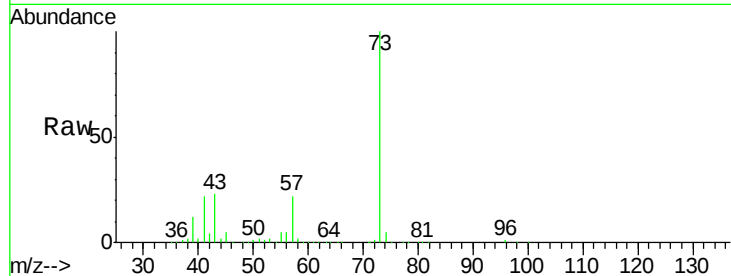
#19
Methvl tert-butvl Ether
Concen: 23.47 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion: 73 Resp: 126985
Ion Ratio Lower Upper
73 100
57 21.7 16.8 25.2

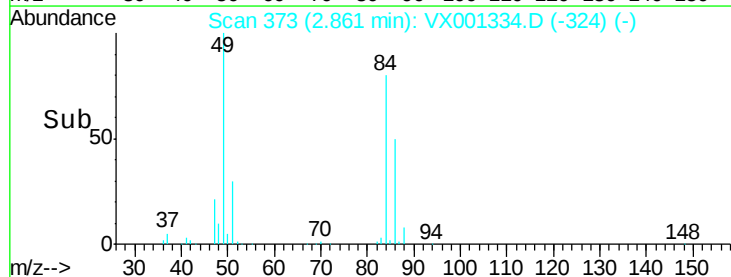
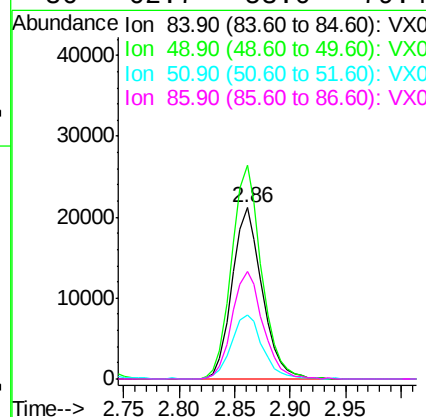
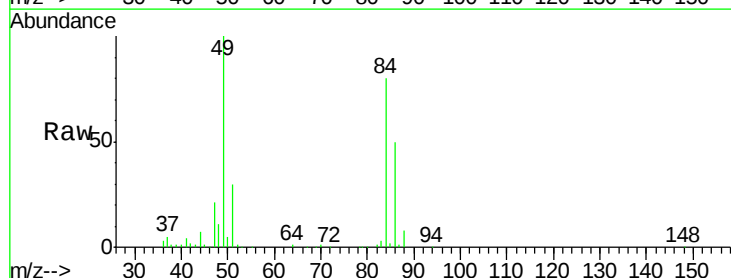
Manual Integrations
APPROVED

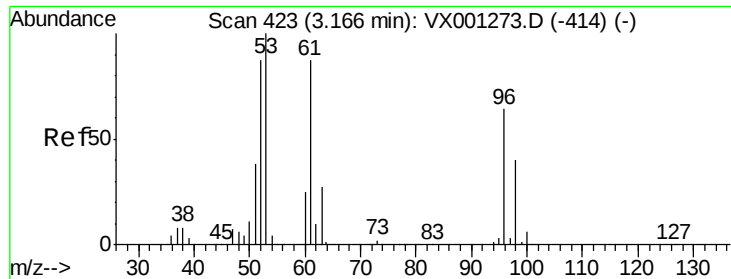
MMDadoda
5/3/2018 12:21:21 PM



#20
Methylene Chloride
Concen: 22.66 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion: 84 Resp: 39730
Ion Ratio Lower Upper
84 100
49 124.9 102.8 154.2
51 37.1 30.9 46.3
86 62.7 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 20.97 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

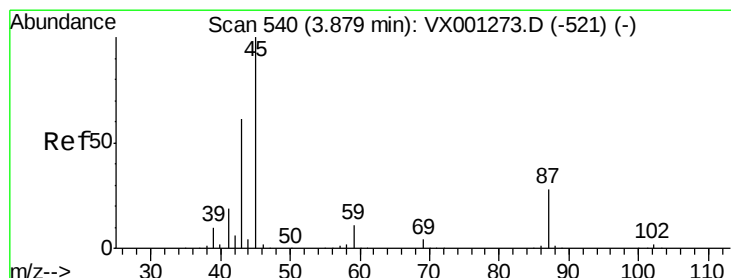
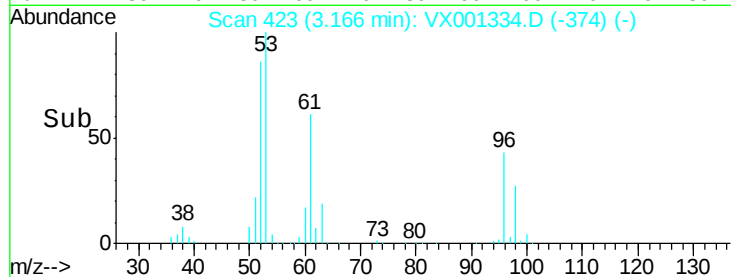
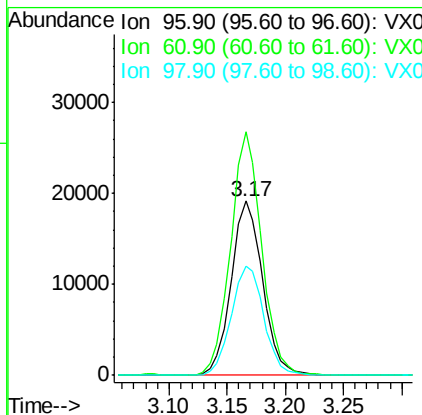
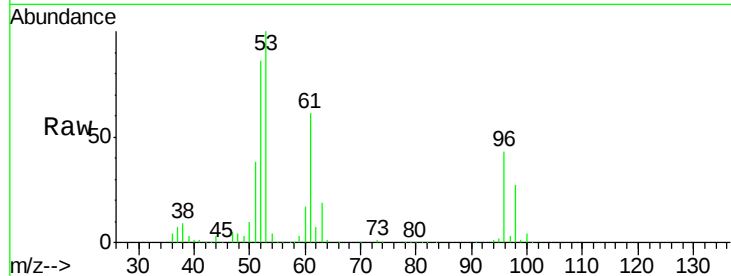
ClientSampleId :

VX0502WBSD02

Tot Ion:	96	Resp:	36254
Ion	Ratio	Lower	Upper
96	100		
61	139.6	108.6	162.8
98	62.6	49.7	74.5

Manual Integrations
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5/3/2018 12:21:21 PM



#22

Diisopropyl ether

Concen: 22.94 ug/l

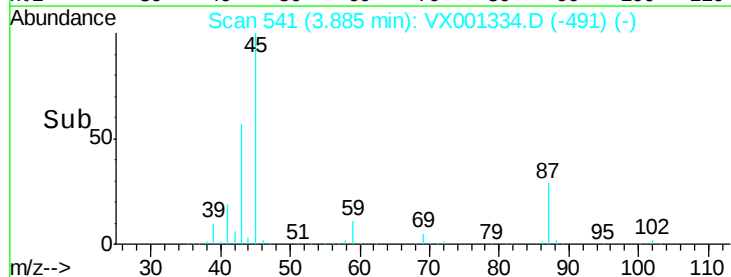
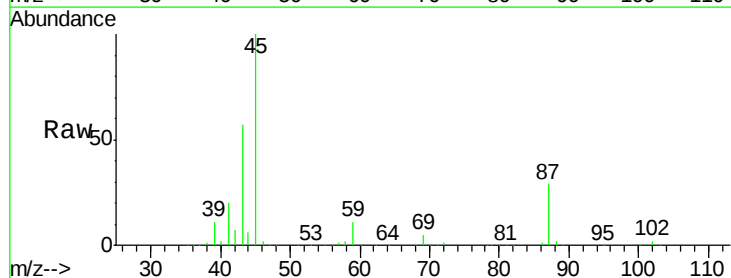
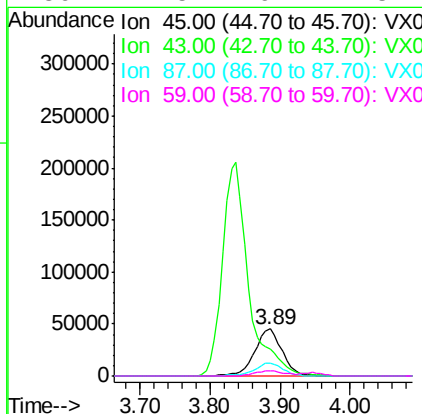
RT: 3.89 min Scan# 541

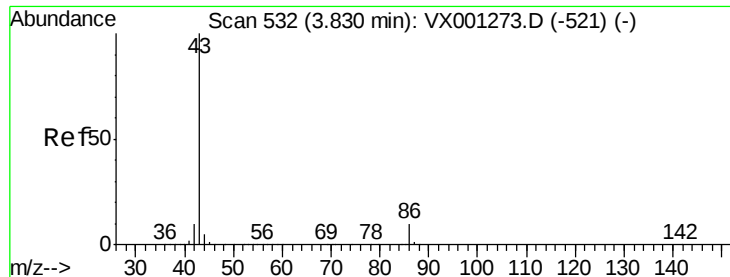
Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	45	Resp:	122789
Ion	Ratio	Lower	Upper
45	100		
43	56.9	48.7	73.1
87	28.7	22.2	33.4
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 117.06 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 43 Resp: 530913

Ion Ratio Lower Upper

43 100

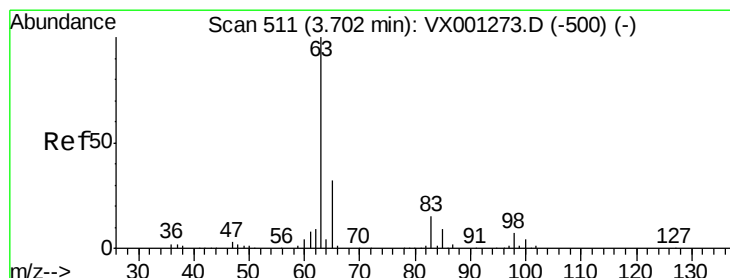
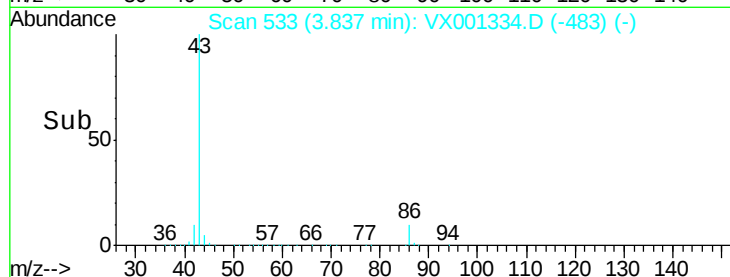
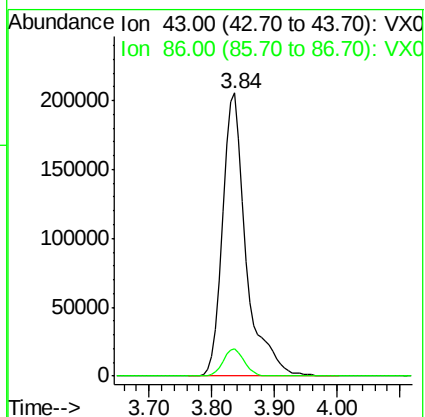
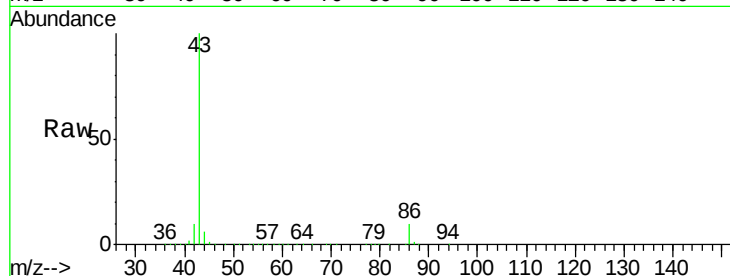
86 9.7 8.2 12.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.39 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

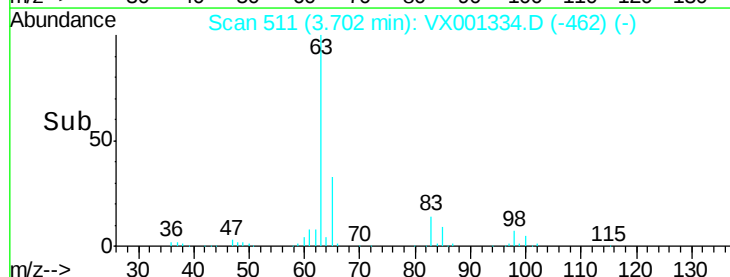
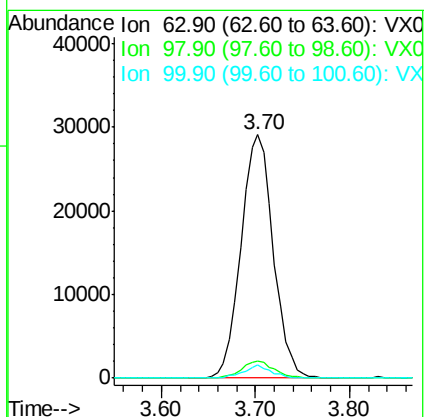
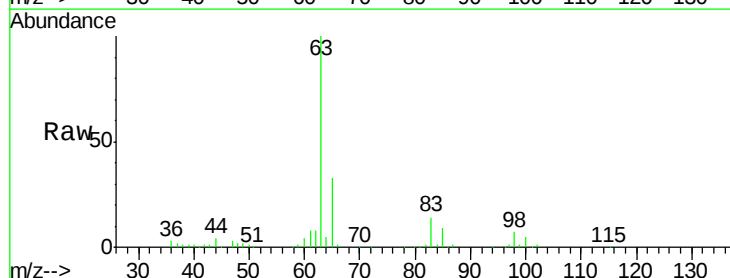
Tgt Ion: 63 Resp: 69723

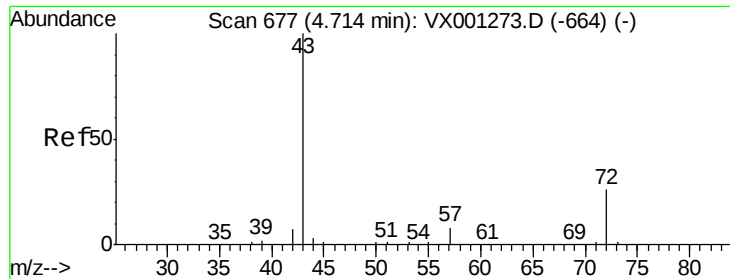
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 5.2 2.3 6.8





#25

2-Butanone

Concen: 117.70 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 43 Resp: 148891

Ion Ratio Lower Upper

43 100

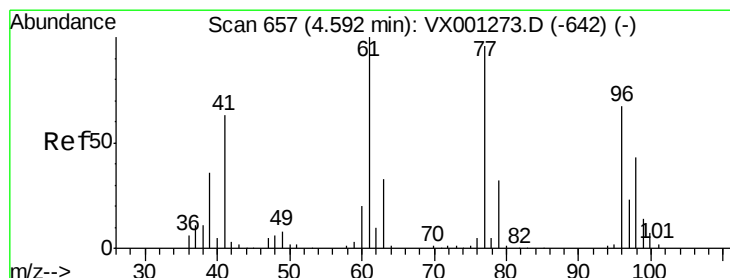
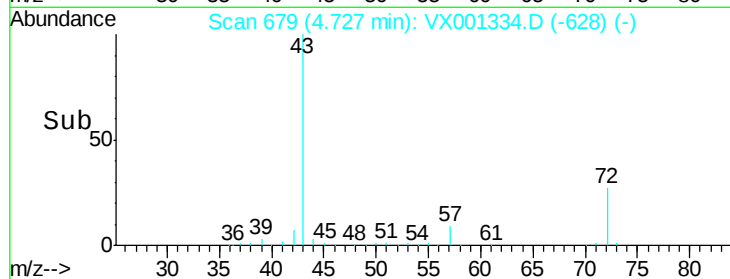
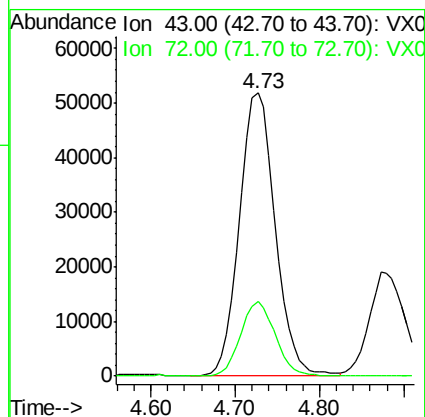
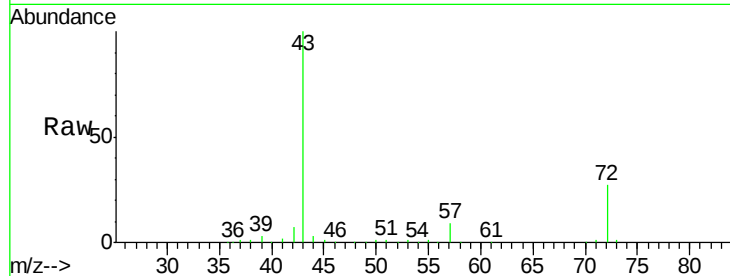
72 26.5 20.5 30.7

Manual Integrations

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5/3/2018 12:21:21 PM



#26

2,2-Dichloropropane

Concen: 12.02 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001334.D

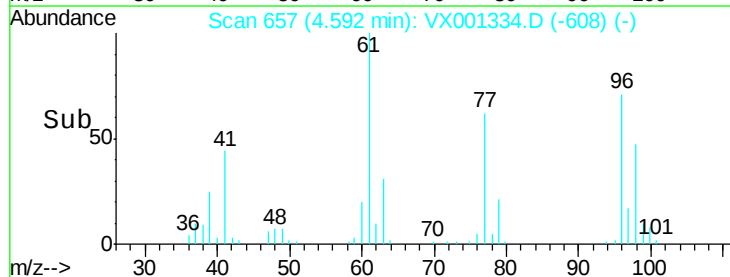
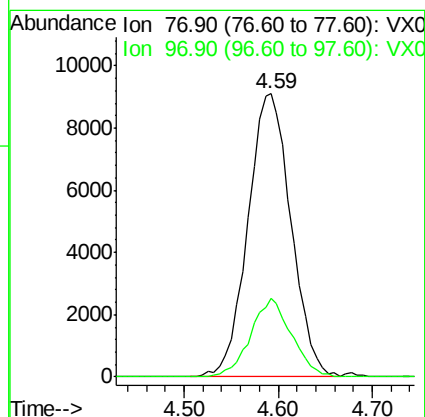
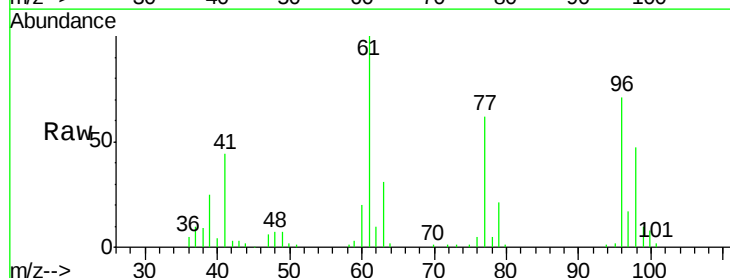
Acq: 02 May 2018 23:51

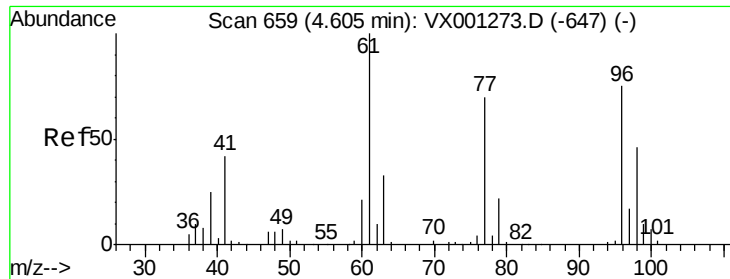
Tgt Ion: 77 Resp: 29154

Ion Ratio Lower Upper

77 100

97 26.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.13 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

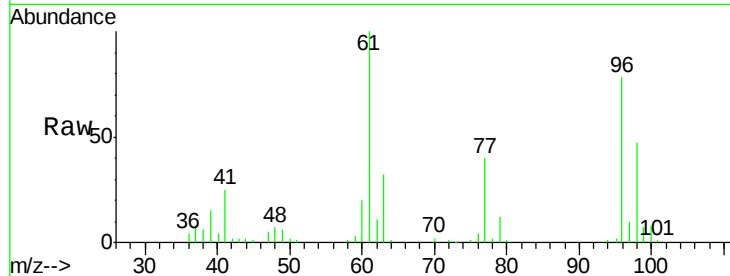
ClientSampleId :

VX0502WBSD02

Tot Ion:	96	Resp:	38255
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	288.0
98	63.9	0.0	130.2

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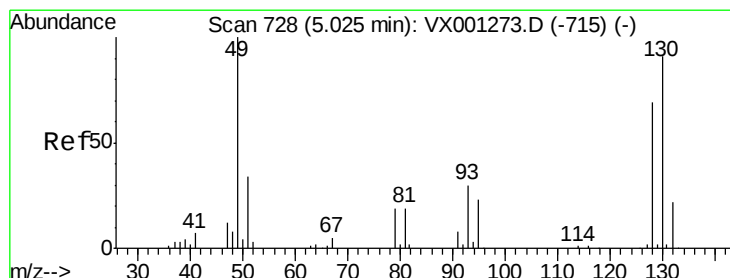
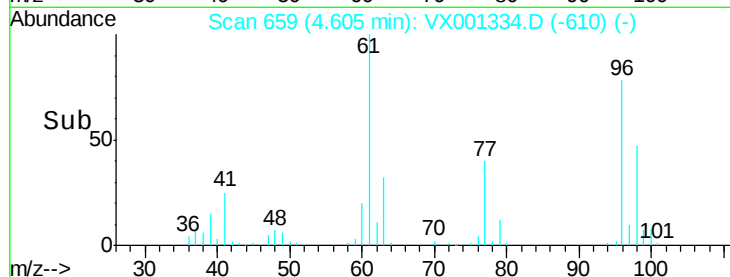
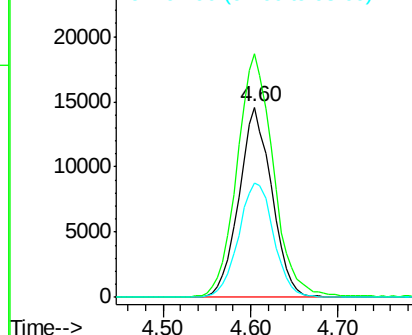


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 24.44 ug/l

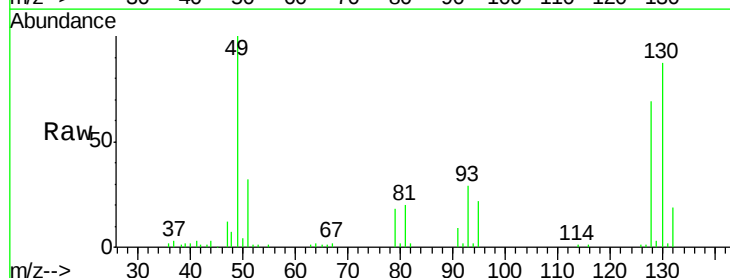
RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	49	Resp:	32752
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	87.7	70.4	105.6

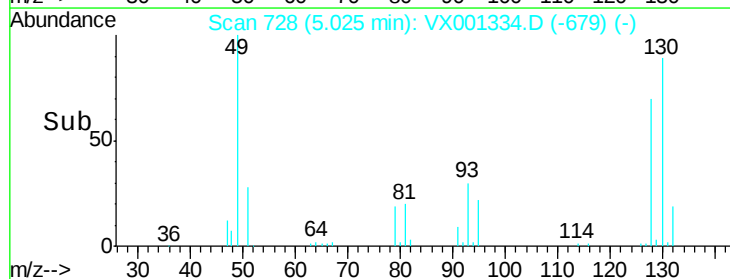
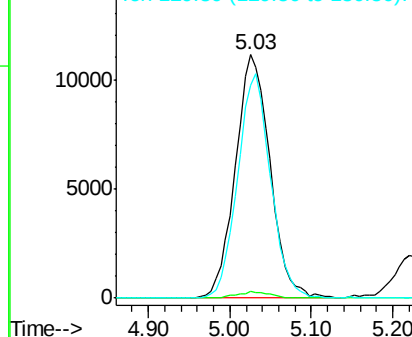


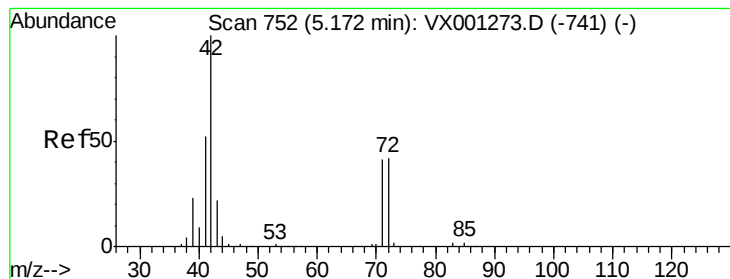
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 122.53 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

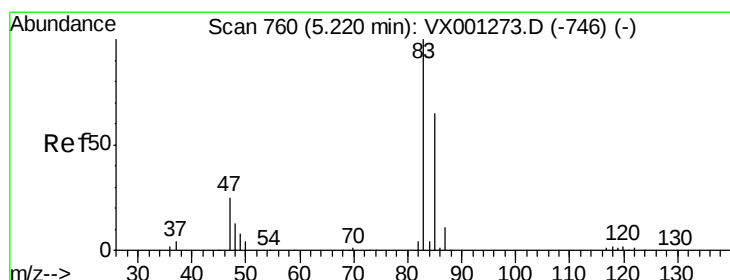
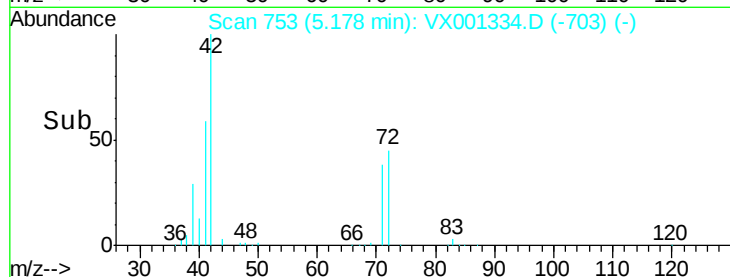
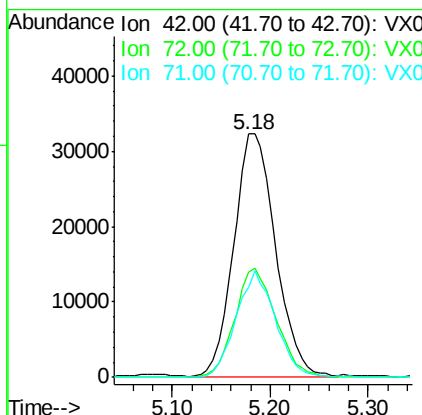
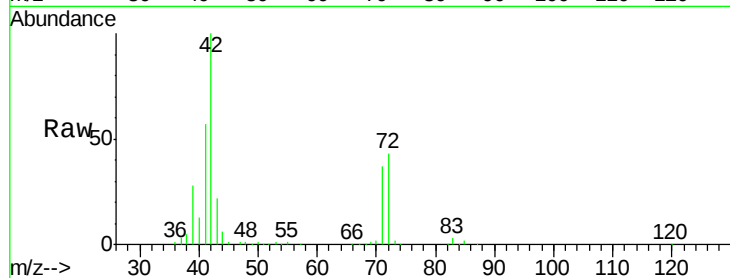
ClientSampleId :

VX0502WBSD02

Tot Ion:	42	Resp:	95329
Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	52.0
71	41.4	32.7	49.1

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#30

Chloroform

Concen: 20.91 ug/l

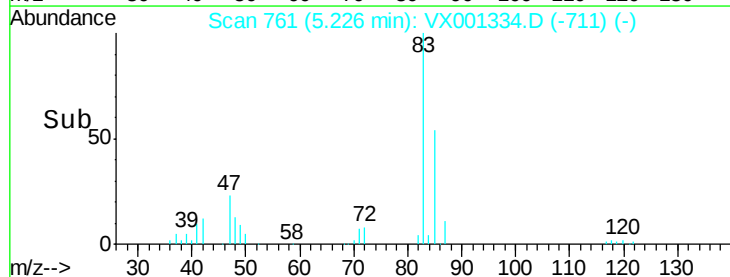
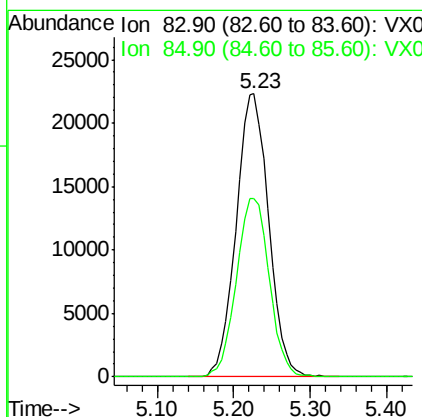
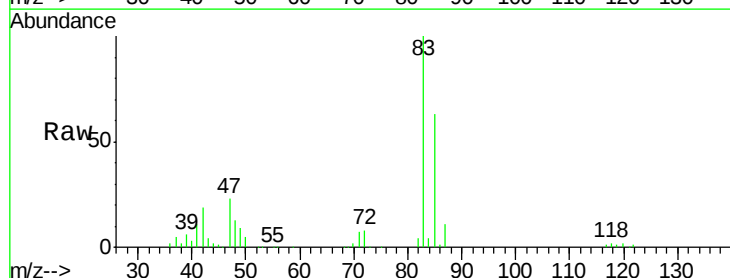
RT: 5.23 min Scan# 761

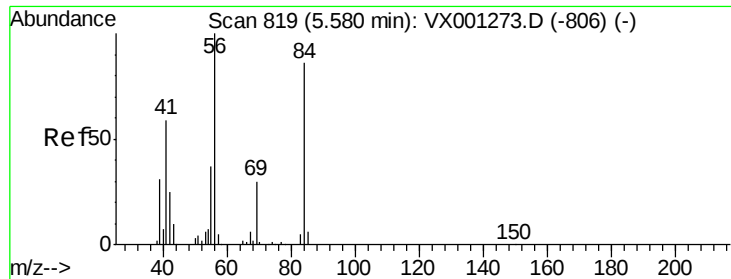
Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	83	Resp:	65884
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.2





#31

Cyclohexane

Concen: 18.67 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

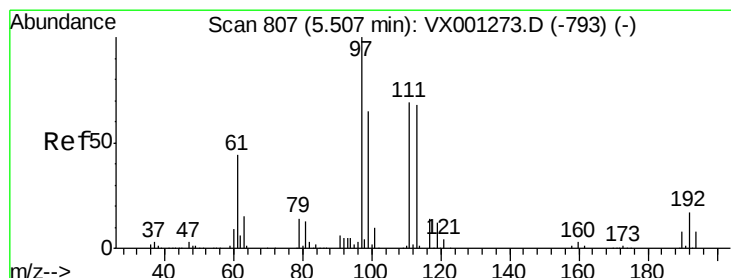
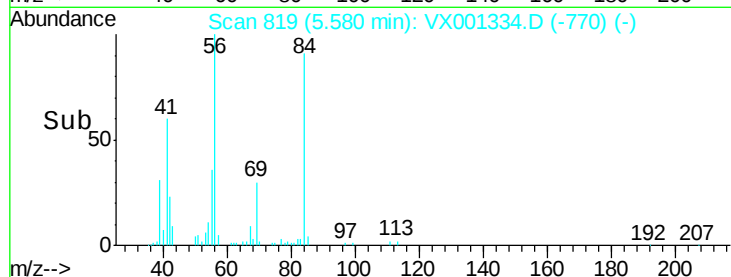
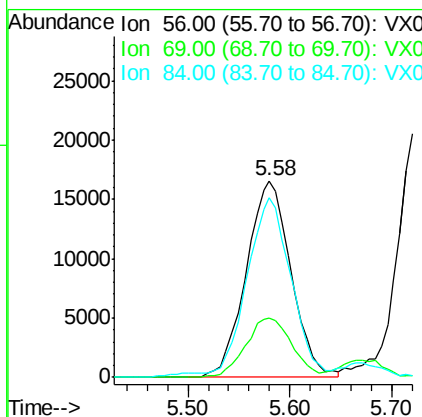
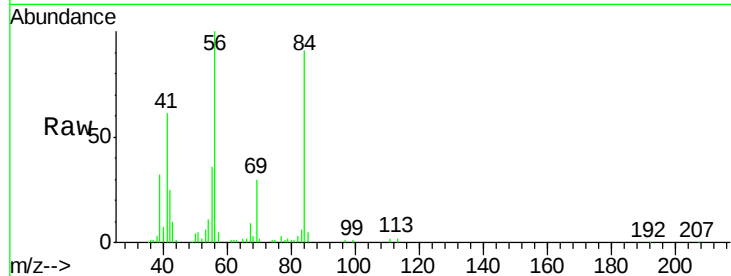
ClientSampleId :

VX0502WBSD02

Tot Ion:	56	Resp:	50262
Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.0	36.0
84	89.2	69.0	103.4

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#32

1,1,1-Trichloroethane

Concen: 20.51 ug/l

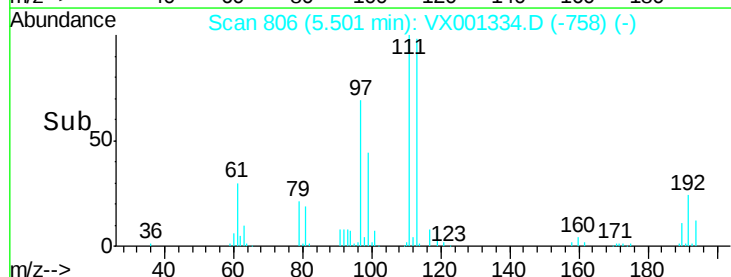
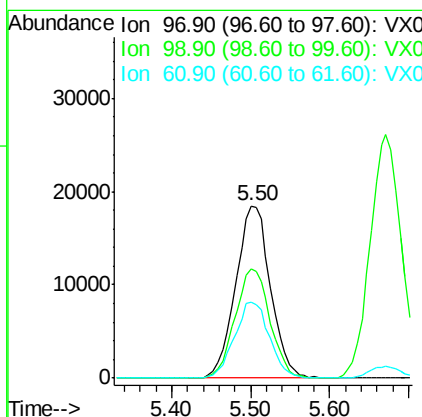
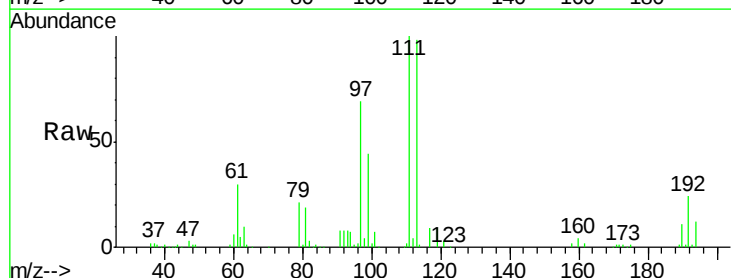
RT: 5.50 min Scan# 806

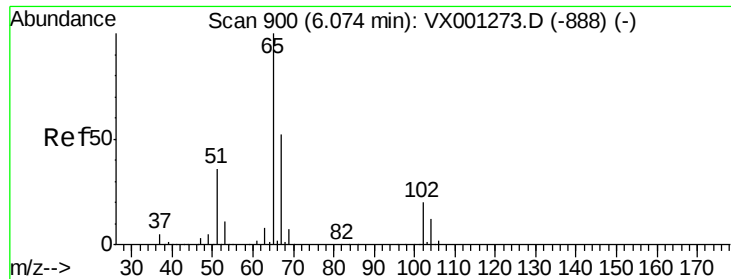
Delta R.T. -0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	97	Resp:	56488
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	44.4	35.4	53.2





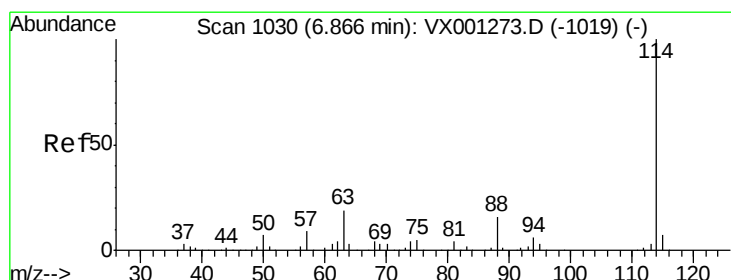
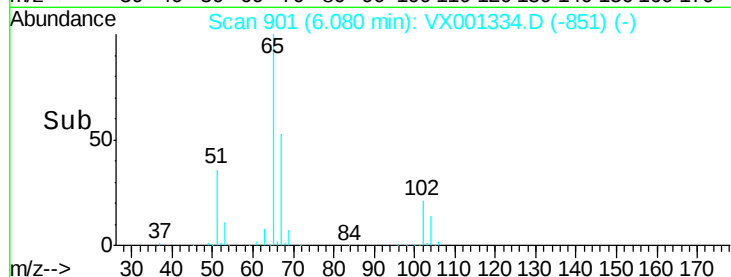
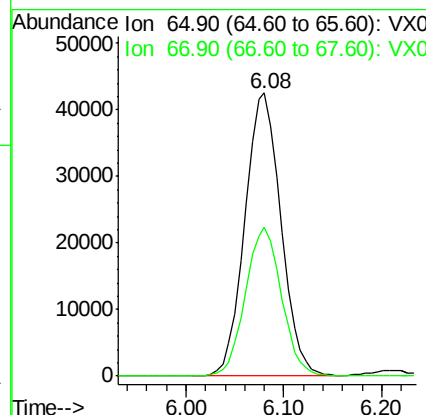
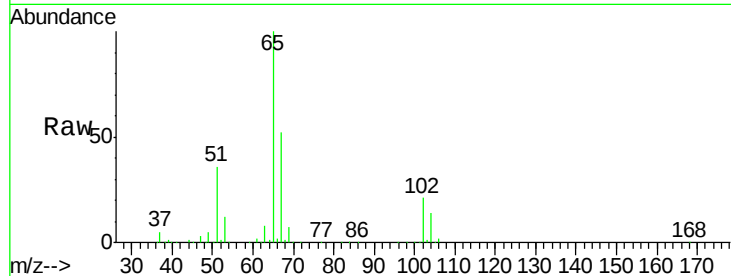
#33
 1,2-Dichloroethane-d4
 Concen: 49.82 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109203		
67	52.3	0.0	102.8	

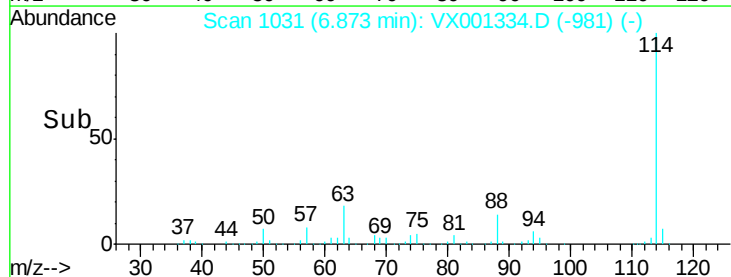
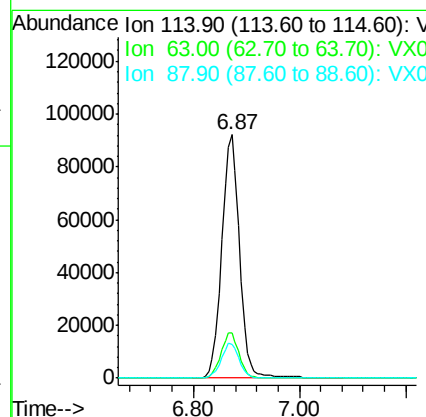
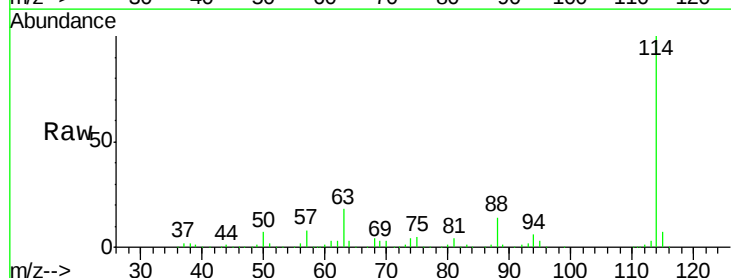
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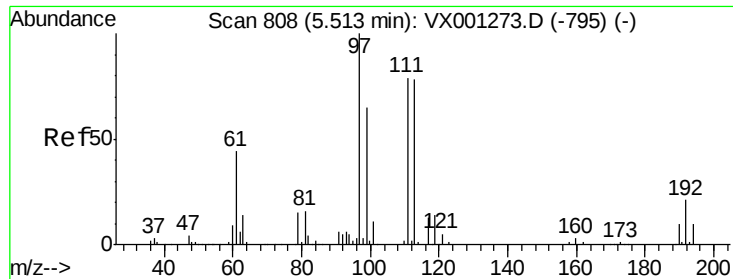
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	215240		
63	18.5	0.0	38.8	
88	13.9	0.0	32.2	





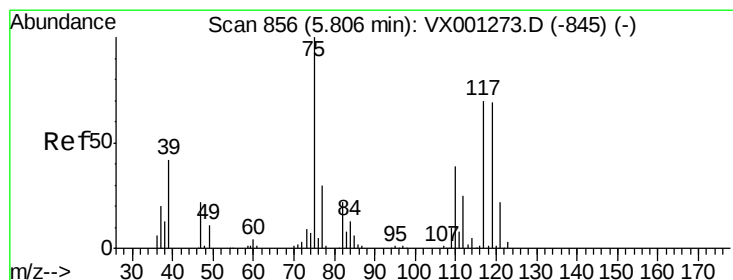
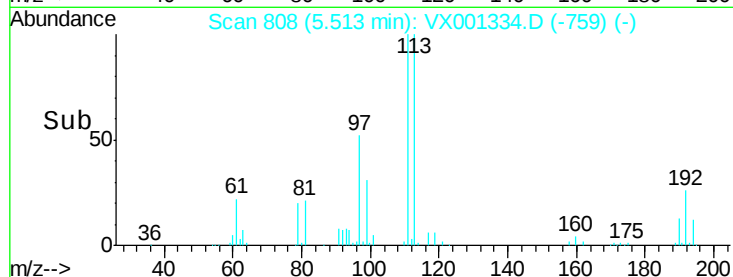
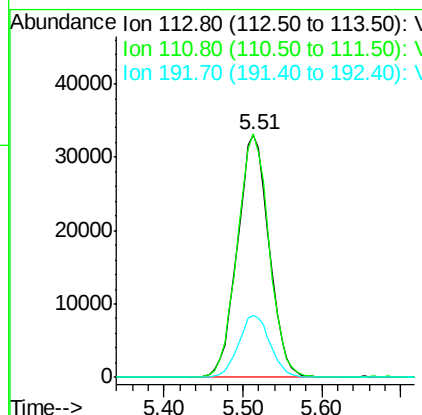
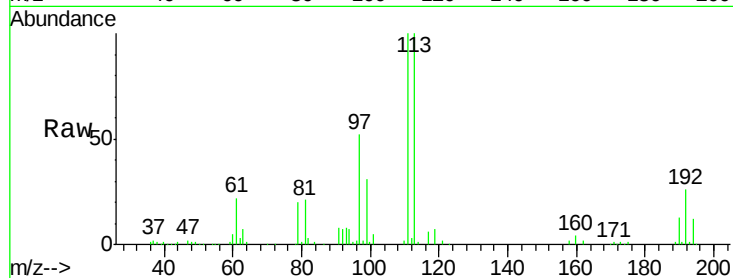
#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	92460		
111	100.2	81.2	121.8	
192	25.4	20.7	31.1	

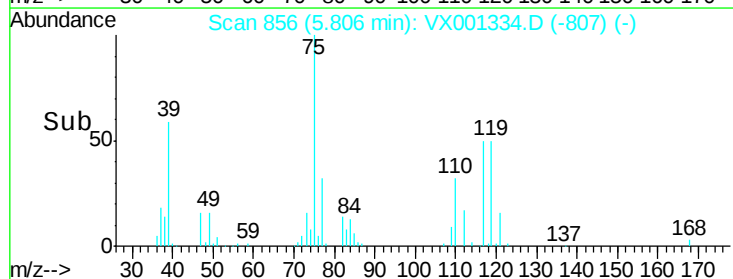
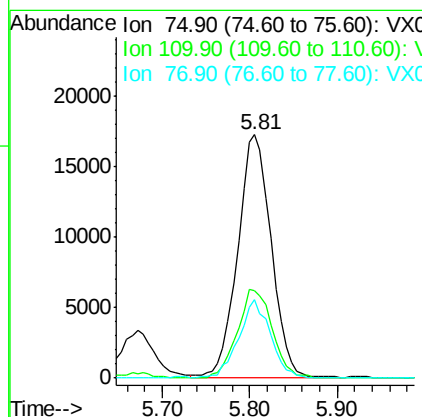
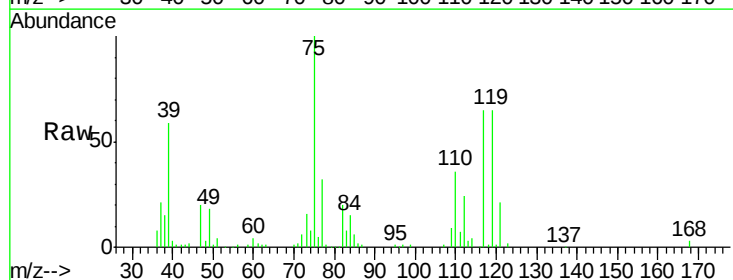
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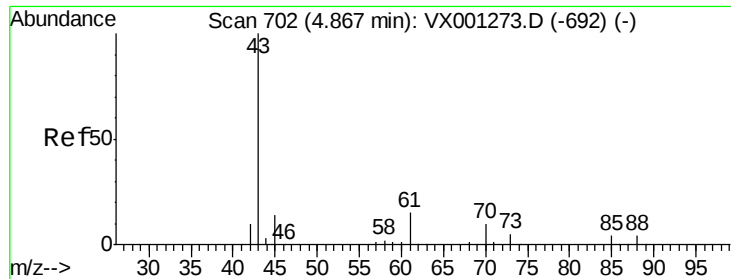
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 18.61 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46233		
110	37.5	18.9	56.9	
77	30.2	24.2	36.2	





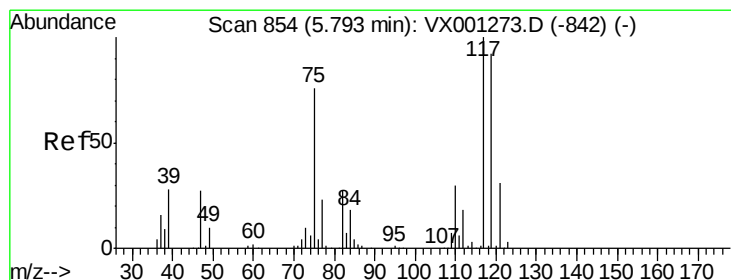
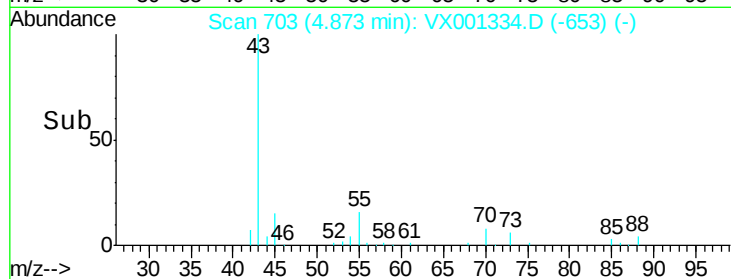
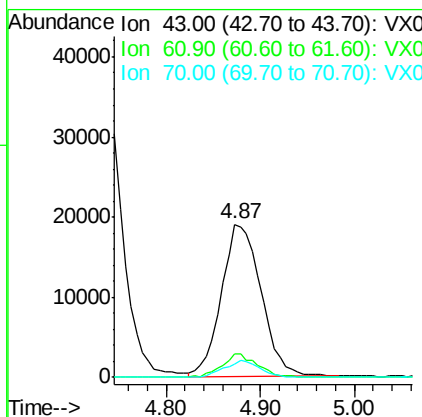
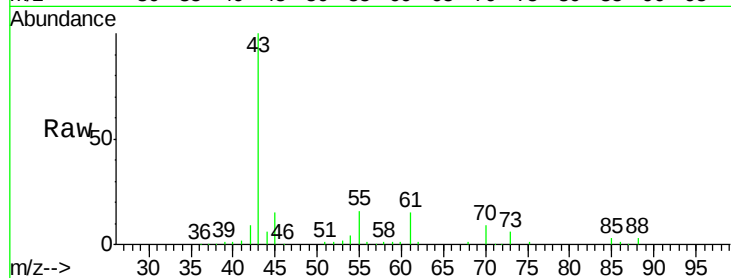
#37
Ethyl Acetate
Concen: 22.11 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	9.9	8.0	12.0

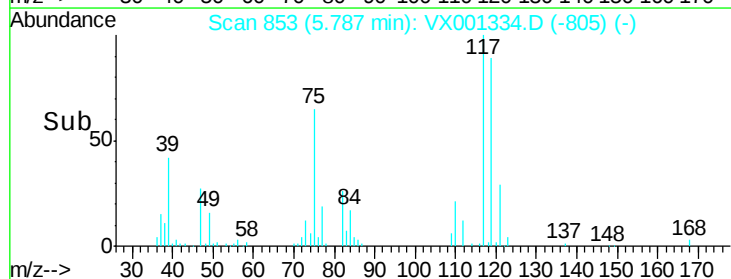
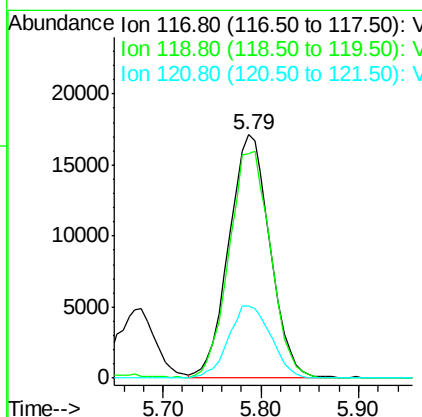
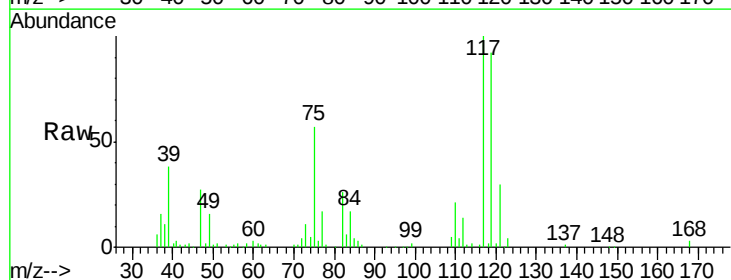
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#38
Carbon Tetrachloride
Concen: 19.19 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	73.4	110.2
121	29.7	25.0	37.4





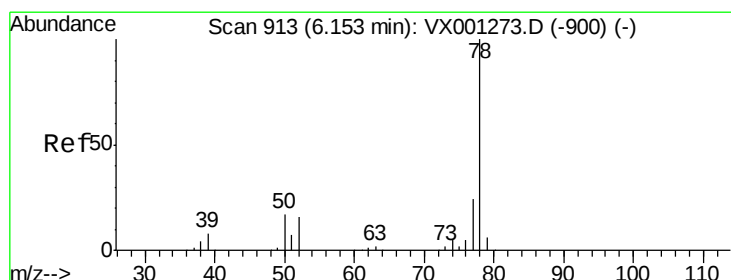
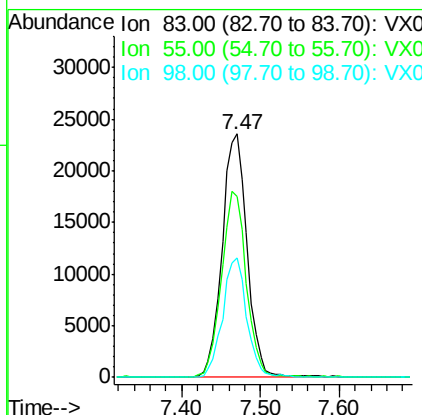
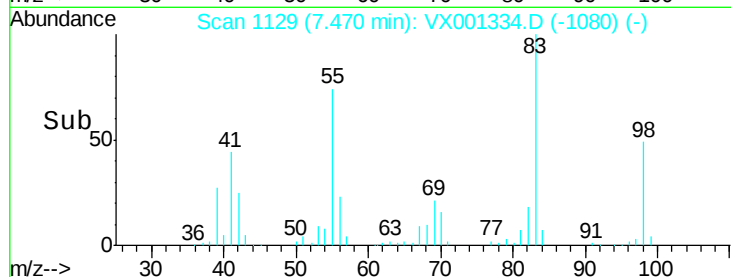
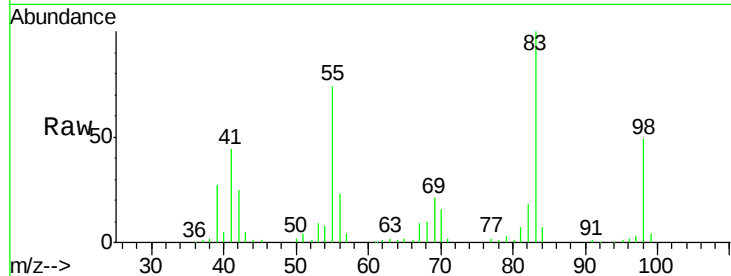
#39
Methvlcvclohexane
Concen: 17.78 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion	83	Resp	52245
Ion Ratio	100	Lower	Upper
83	100		
55	73.8	60.4	90.6
98	49.2	37.0	55.6

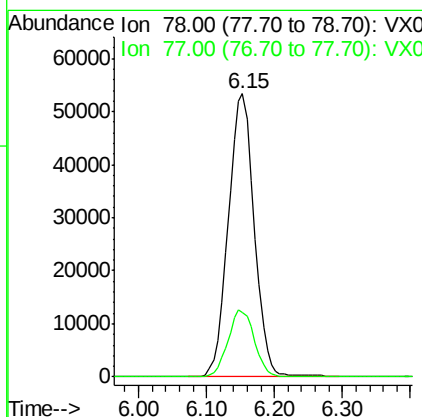
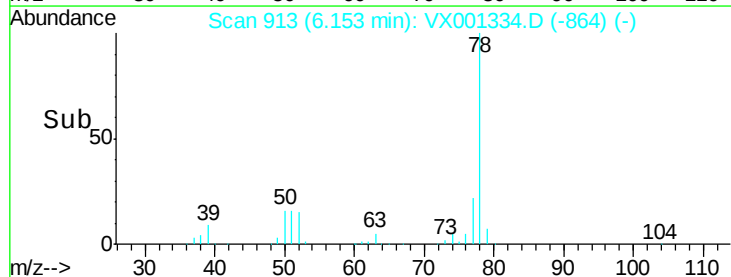
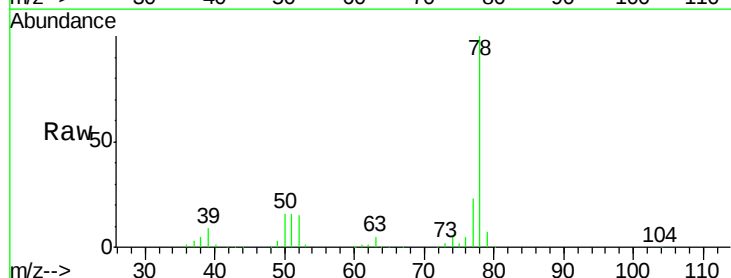
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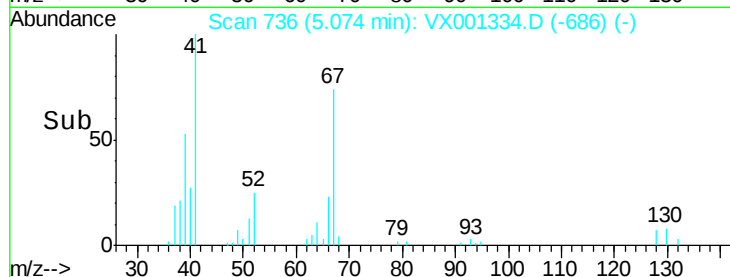
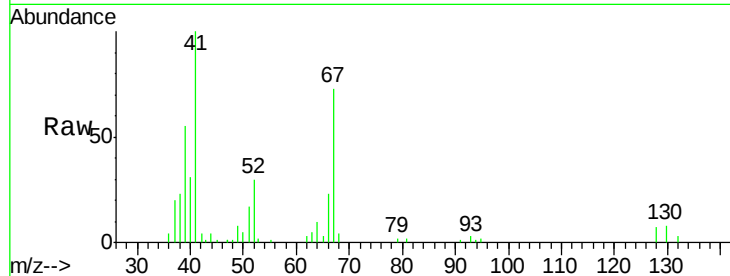
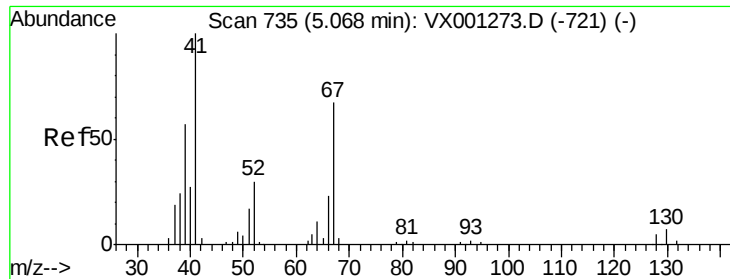
MMDadoda
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#40
Benzene
Concen: 19.79 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

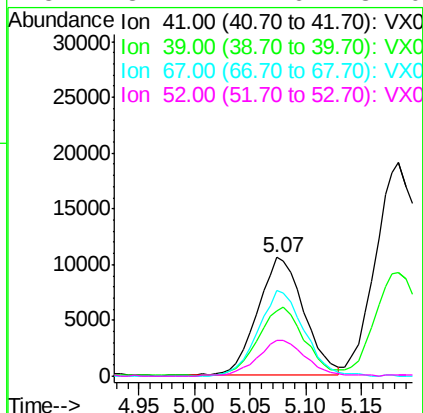
Tgt Ion	78	Resp	141439
Ion Ratio	100	Lower	Upper
78	100		
77	22.6	19.0	28.4





#41
Methacrylonitrile
Concen: 21.02 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

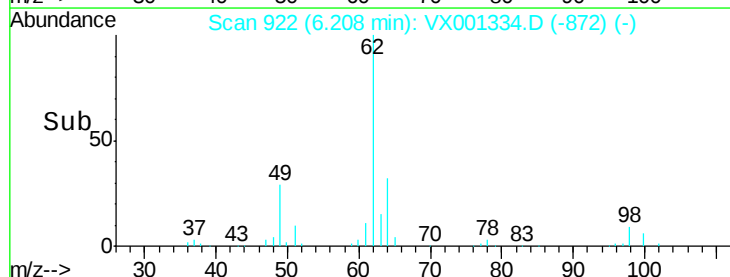
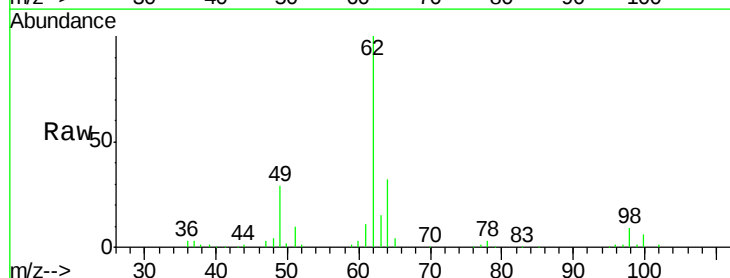
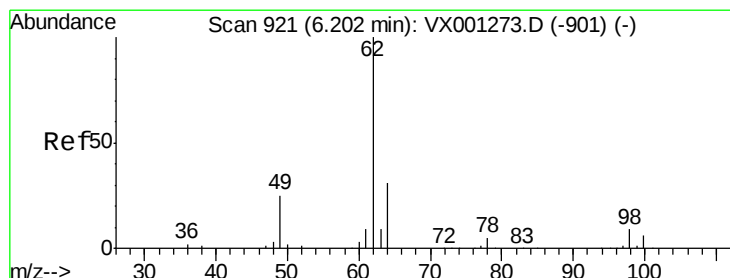
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.1	45.8	68.8	
67	71.6	54.8	82.2	
52	32.1	24.6	37.0	



Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

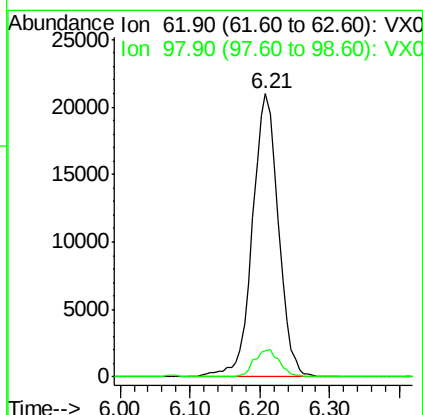
Manual Integrations
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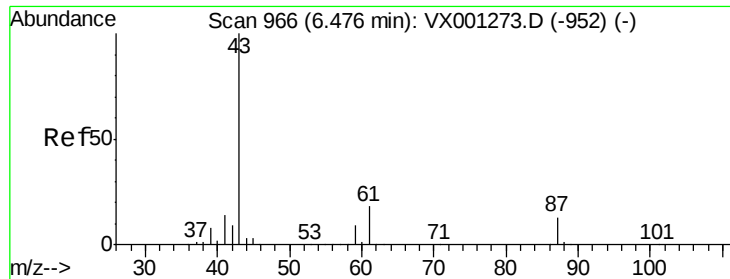
MMDadoda
5/3/2018 12:21:21 PM



#42
1,2-Dichloroethane
Concen: 19.55 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	17.2	





#43

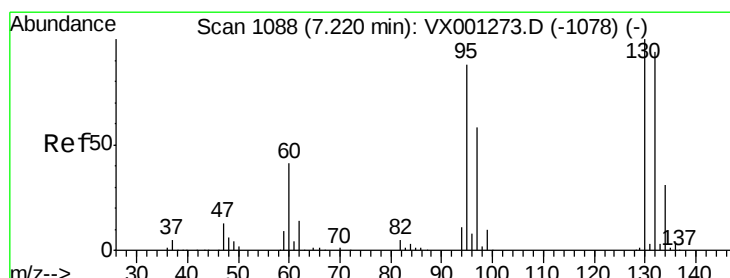
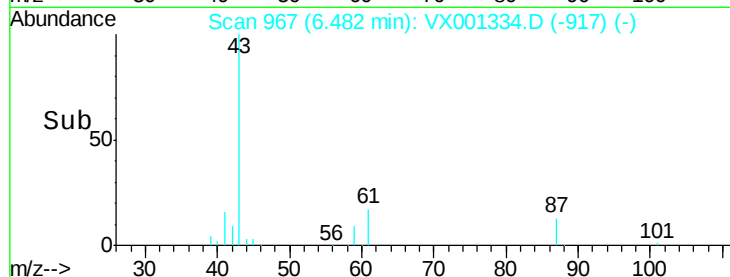
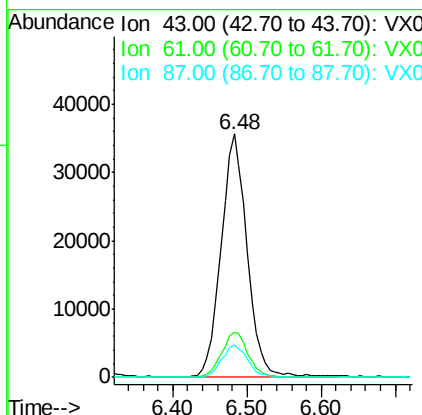
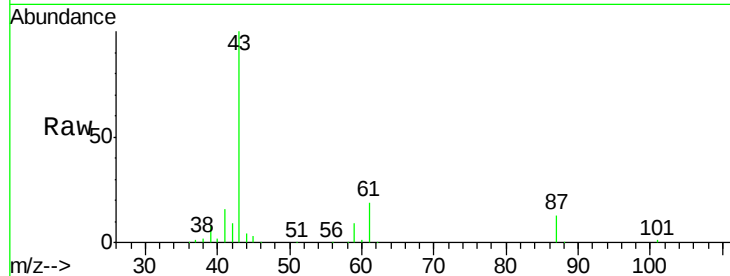
Isopropyl Acetate
 Concen: 21.16 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.0	22.4
87	13.3	10.2	15.4

Manual Integrations
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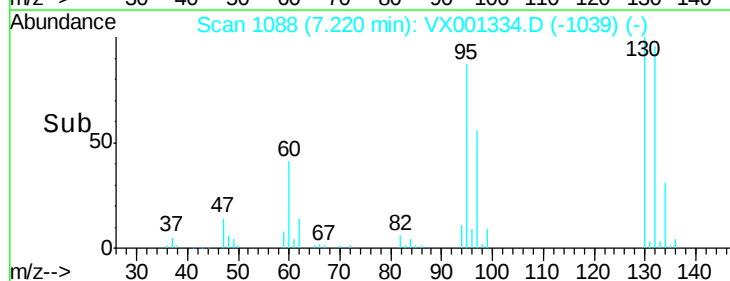
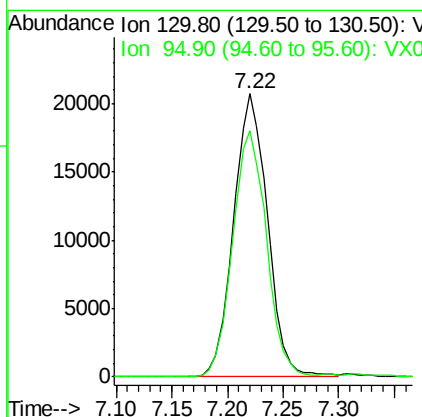
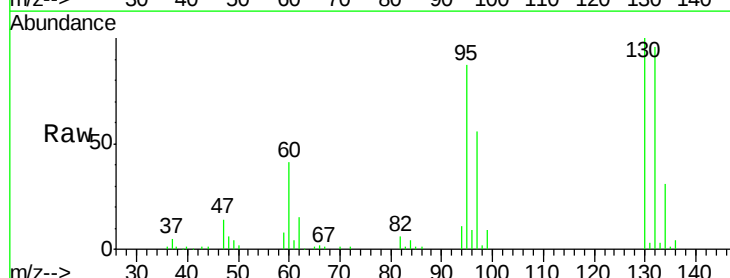
MMDadoda
 5/3/2018 12:21:21 PM

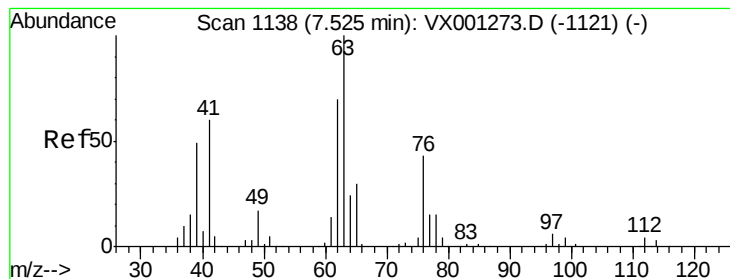


#44

Trichloroethene
 Concen: 20.00 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.6	0.0	176.0





#45

1,2-Dichloropropane

Concen: 19.64 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 63 Resp: 36044

Ion Ratio Lower Upper

63 100

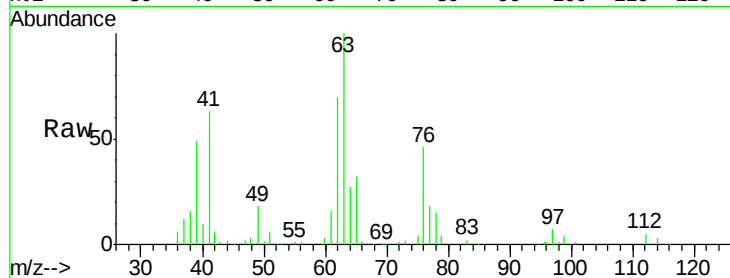
65 32.4 24.2 36.4

Manual Integrations

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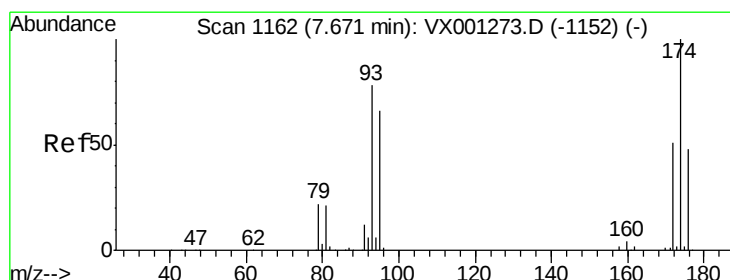
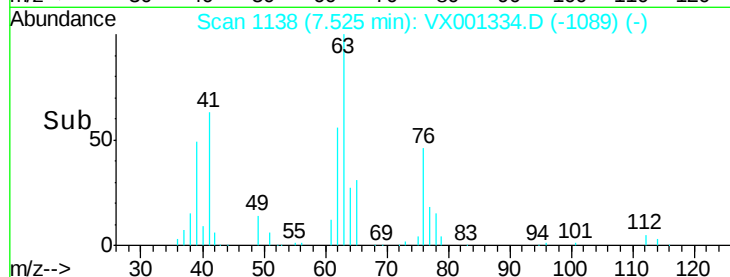
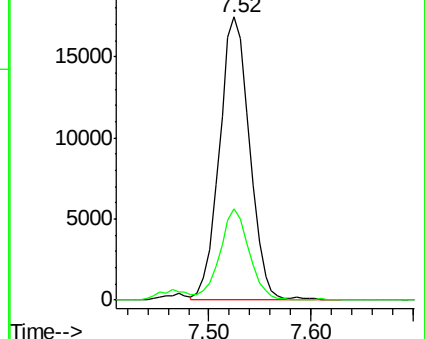
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.90 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

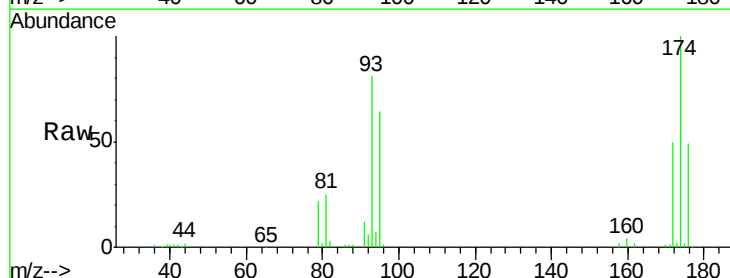
Tgt Ion: 93 Resp: 26886

Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.6

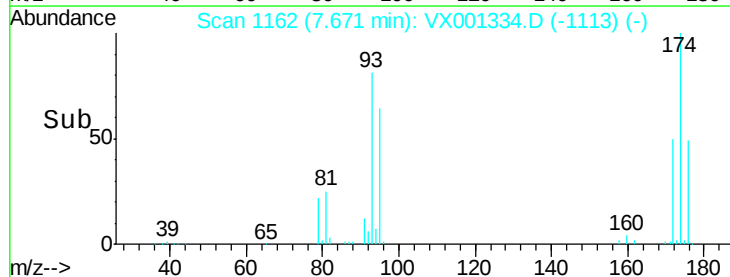
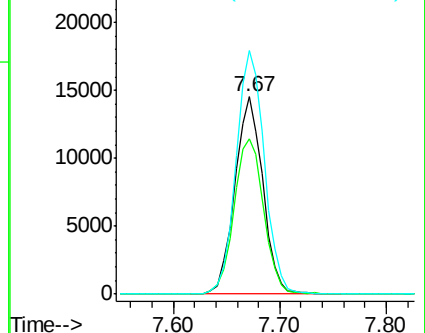
174 124.2 102.3 153.5

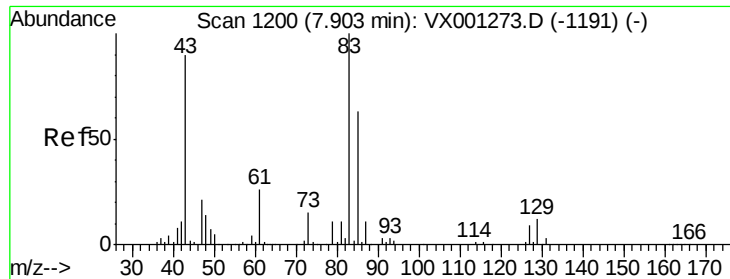


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.69 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

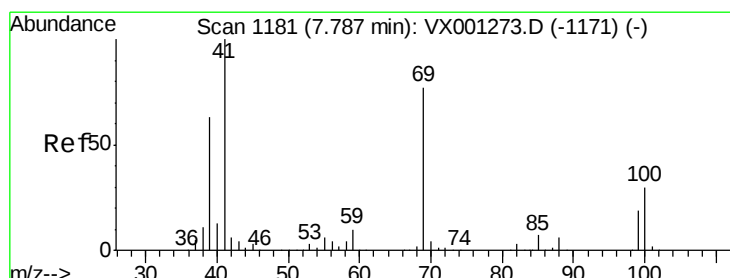
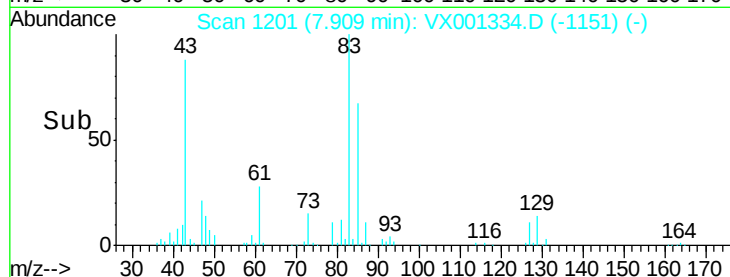
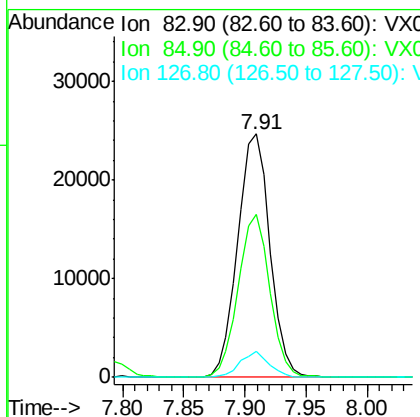
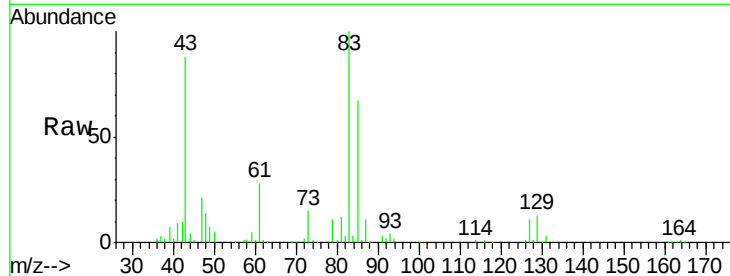
ClientSampleId :

VX0502WBSD02

Tot Ion:	83	Resp:	45278
Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.3	75.5
127	10.9	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.32 ug/l

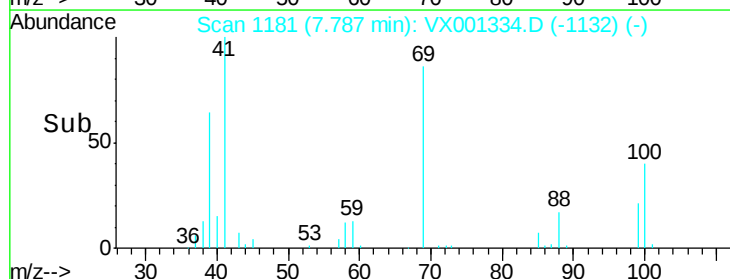
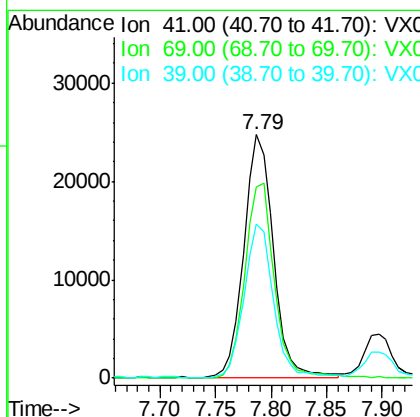
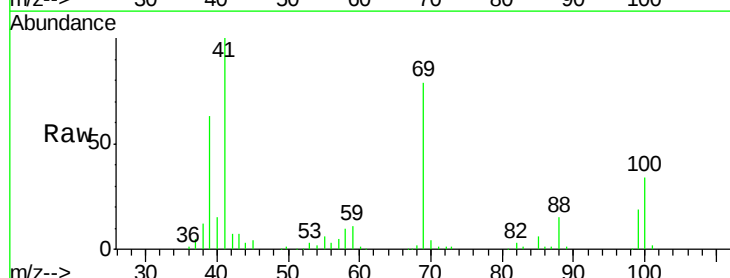
RT: 7.79 min Scan# 1181

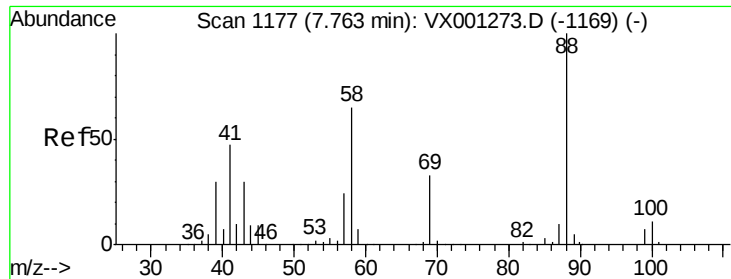
Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	41	Resp:	46027
Ion	Ratio	Lower	Upper
41	100		
69	79.8	63.0	94.6
39	62.9	50.2	75.4





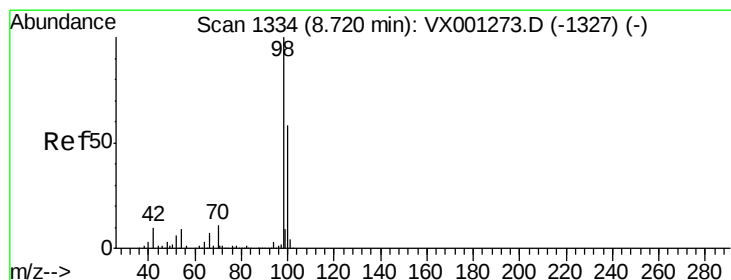
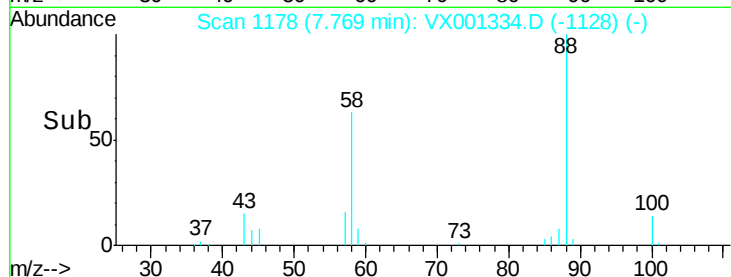
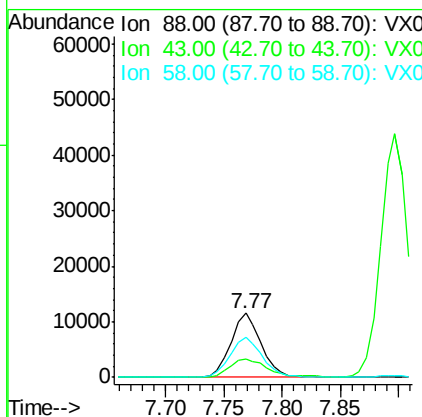
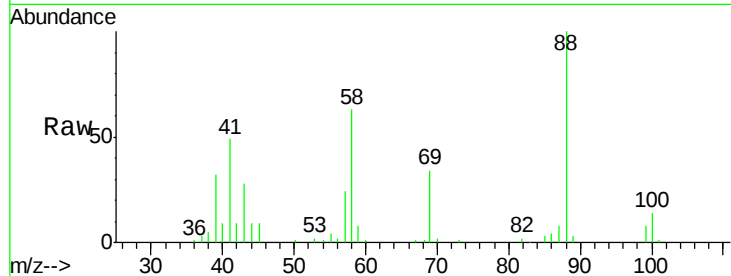
#49
1,4-Dioxane
Concen: 513.80 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	27.9	41.9
58	65.8	54.2	81.2

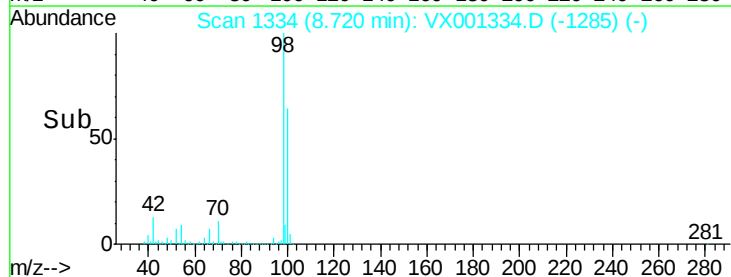
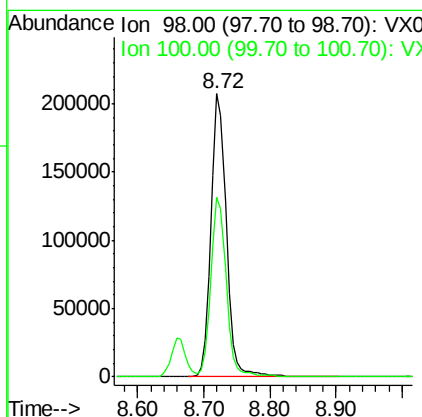
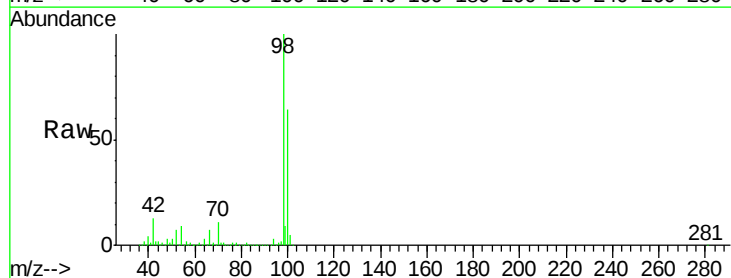
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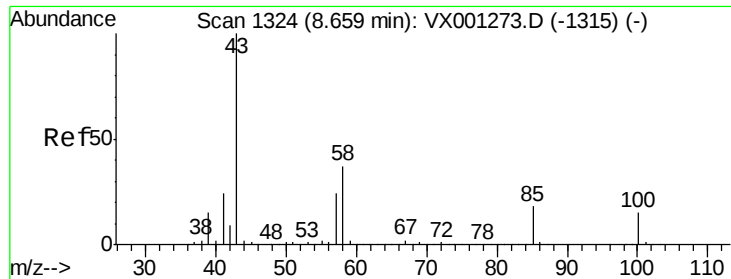
MMDadoda
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#50
Toluene-d8
Concen: 50.19 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 117.14 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 43 Resp: 306698

Ion Ratio Lower Upper

43 100

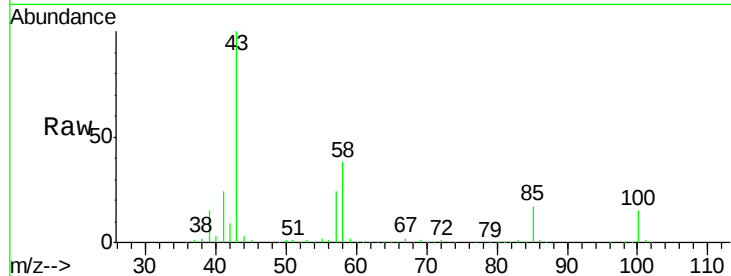
58 36.6 29.0 43.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

200000

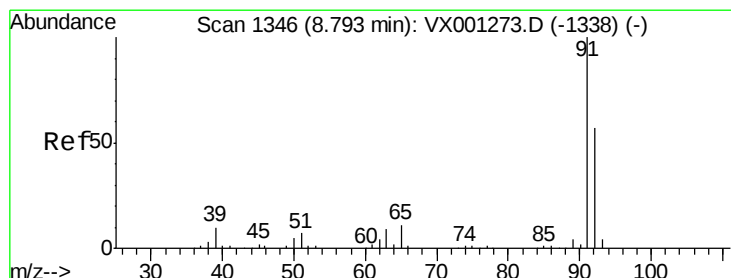
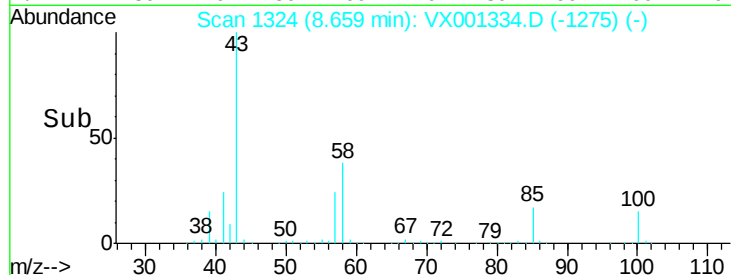
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.68 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001334.D

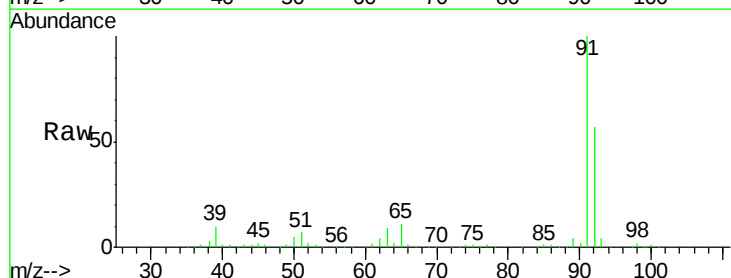
Acq: 02 May 2018 23:51

Tgt Ion: 92 Resp: 91950

Ion Ratio Lower Upper

92 100

91 175.9 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

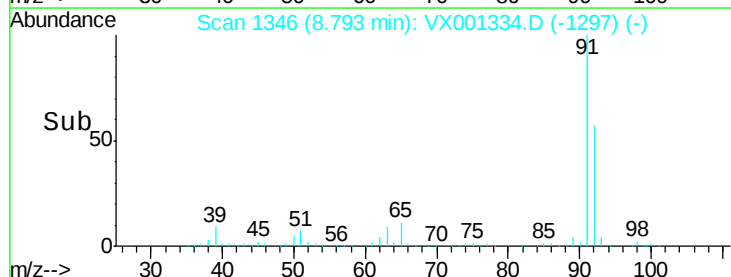
60000

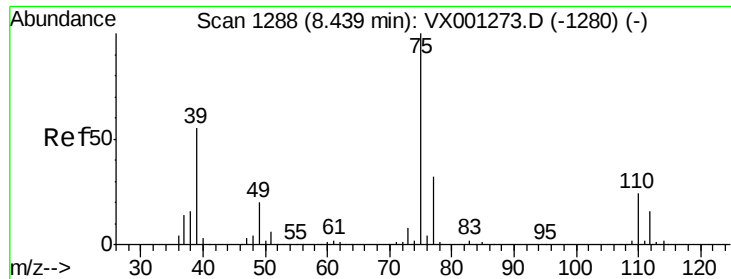
40000

20000

0

Time-->





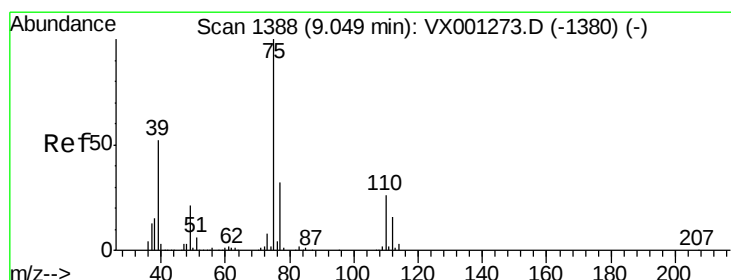
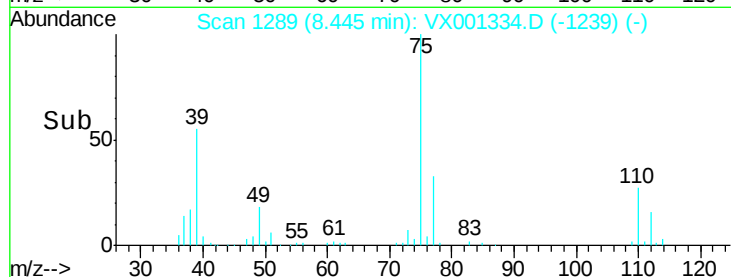
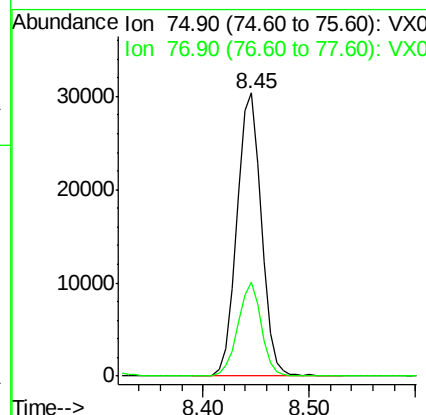
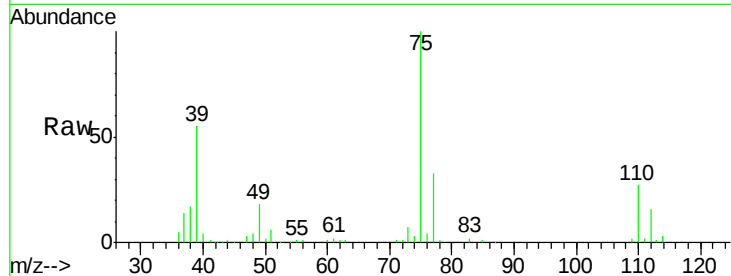
#53
t-1,3-Dichloropropene
Concen: 17.95 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion: 75 Resp: 49095
Ion Ratio Lower Upper
75 100
77 33.2 25.6 38.4

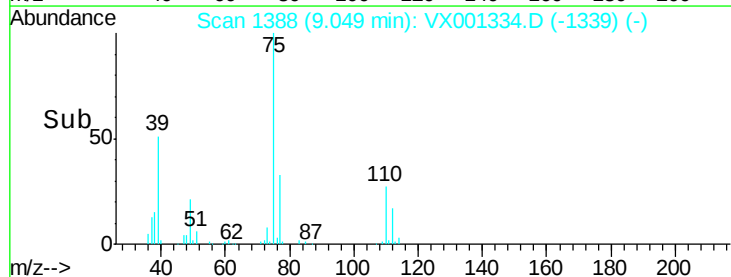
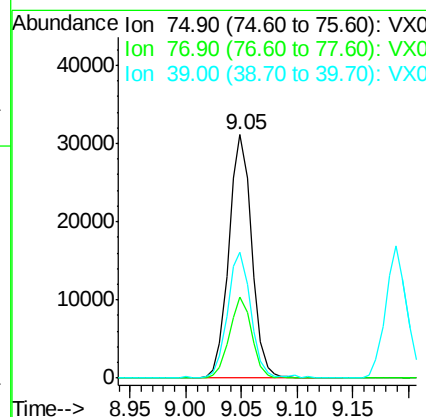
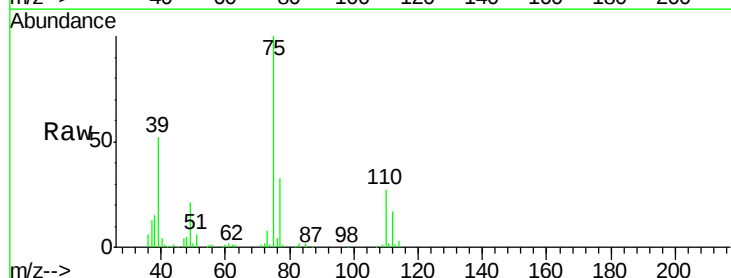
Manual Integrations
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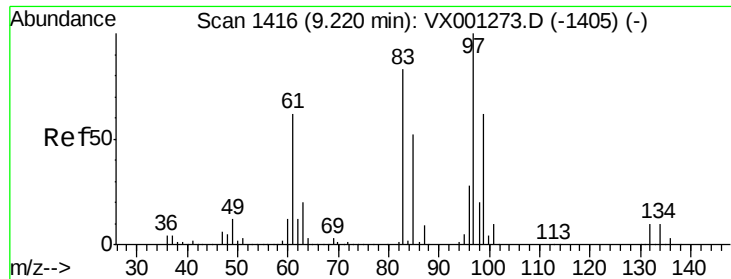
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#54
cis-1,3-Dichloropropene
Concen: 17.60 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion: 75 Resp: 44291
Ion Ratio Lower Upper
75 100
77 33.0 25.5 38.3
39 51.3 41.9 62.9





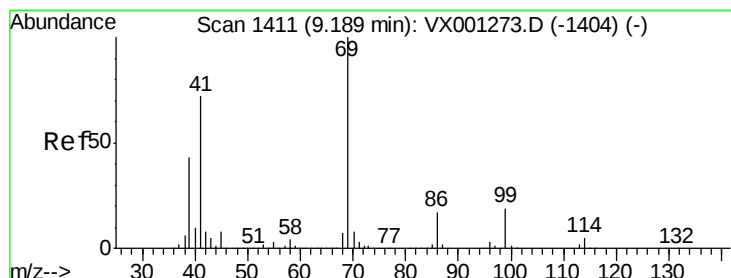
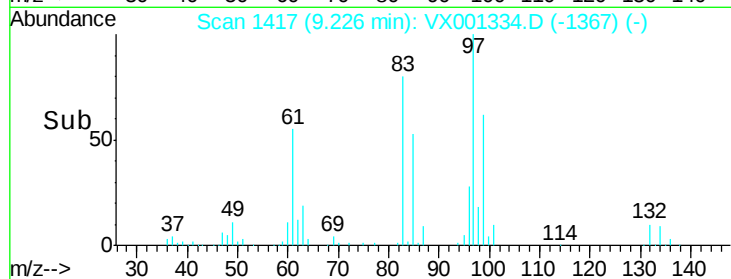
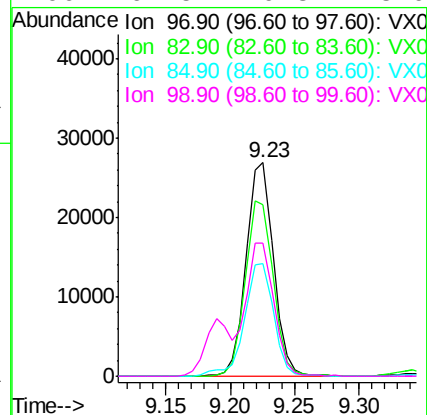
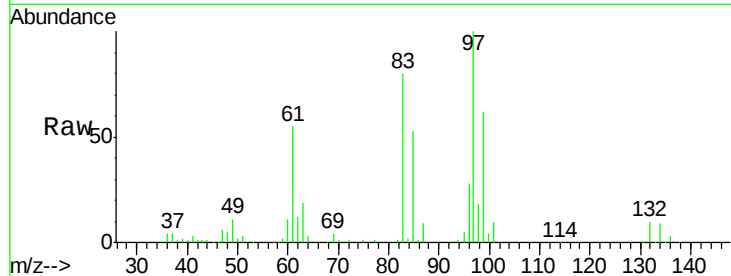
#55
 1,1,2-Trichloroethane
 Concen: 20.87 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD02

Tot Ion:	97	Resp:	39390
Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.4	99.6
85	52.7	41.6	62.4
99	62.5	49.3	73.9

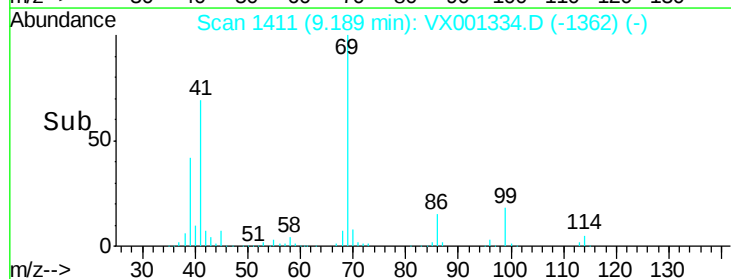
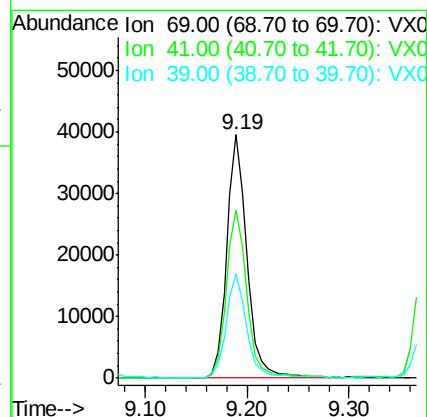
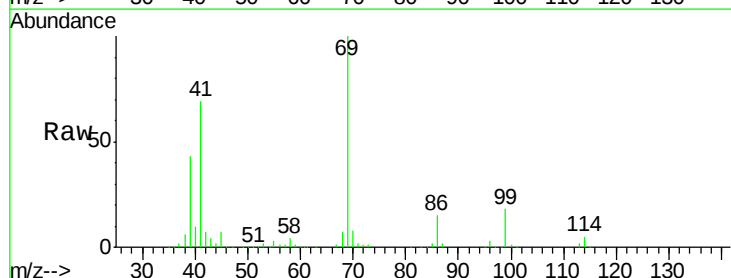
Manual Integrations
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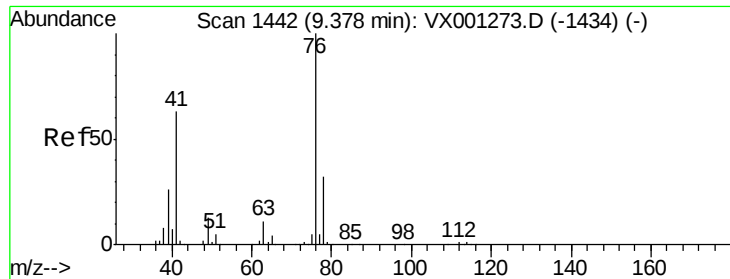
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#56
 Ethyl methacrylate
 Concen: 20.85 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Tgt Ion:	69	Resp:	54527
Ion	Ratio	Lower	Upper
69	100		
41	70.2	57.2	85.8
39	43.5	34.3	51.5





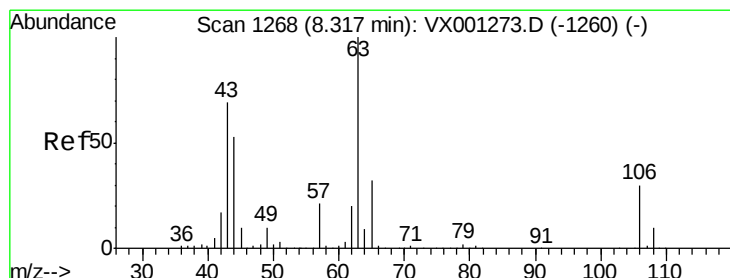
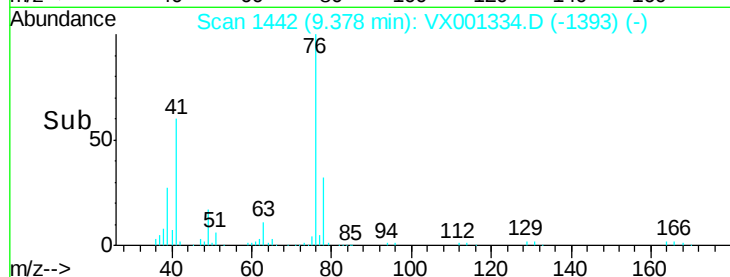
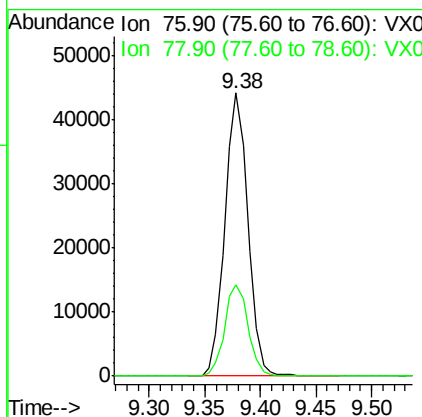
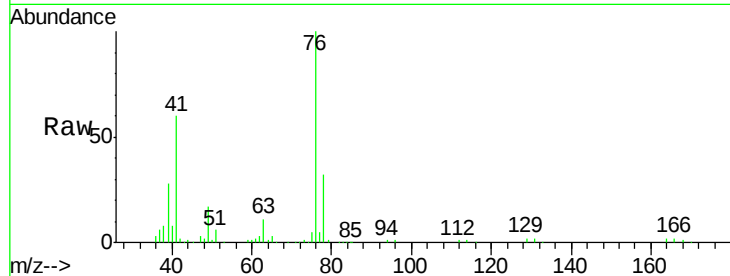
#57
 1,3-Dichloropropane
 Concen: 20.91 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0502WBSD02

Tot Ion: 76 Resp: 63452
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.6 38.4

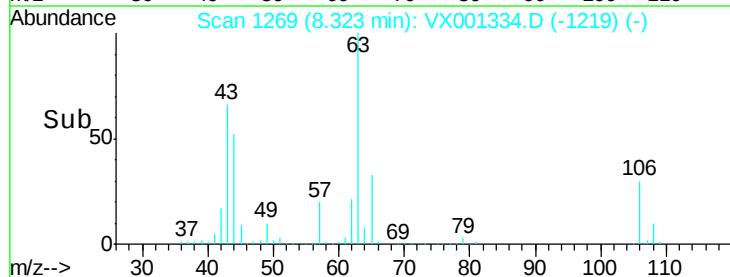
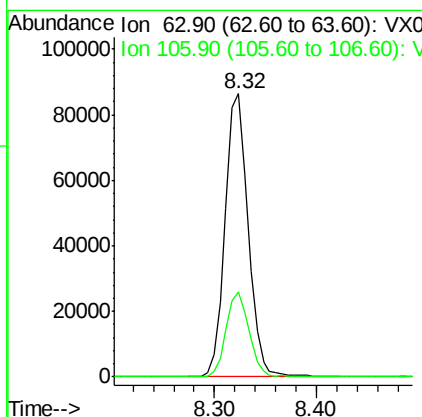
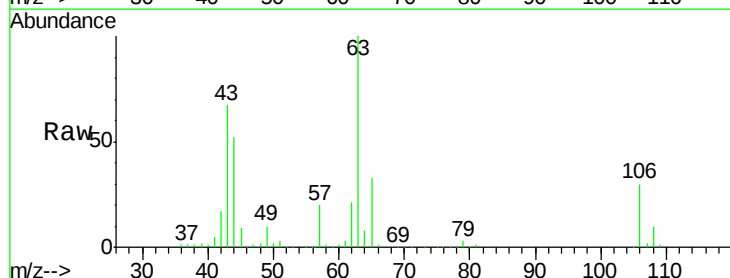
Manual Integrations
 APPROVED

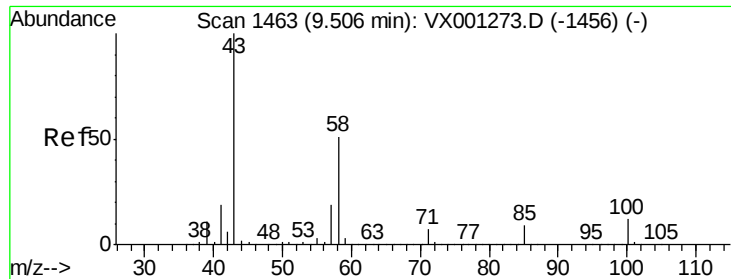
MMDadoda
 5/3/2018 12:21:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.51 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Tgt Ion: 63 Resp: 135618
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.6





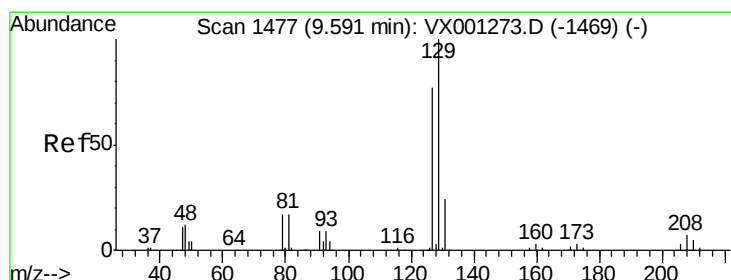
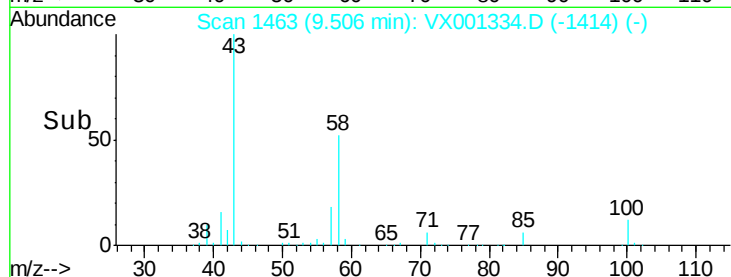
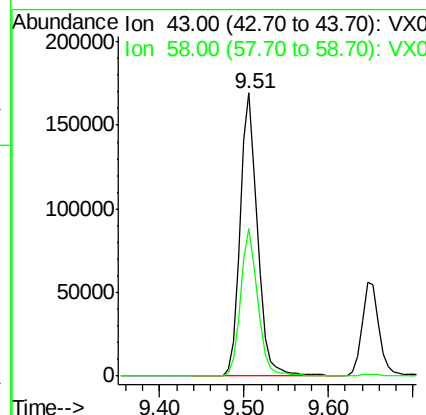
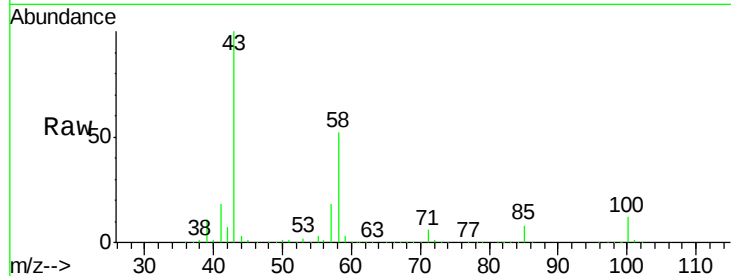
#59
2-Hexanone
Concen: 114.37 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion: 43 Resp: 234034
Ion Ratio Lower Upper
43 100
58 51.8 25.7 77.0

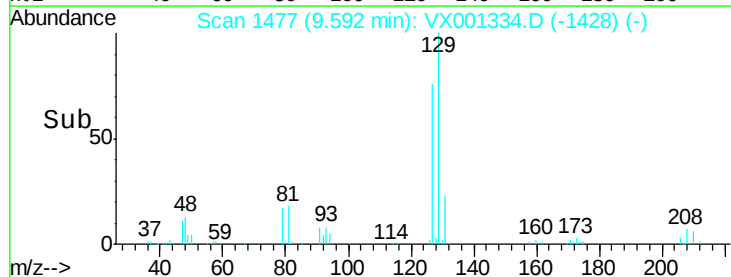
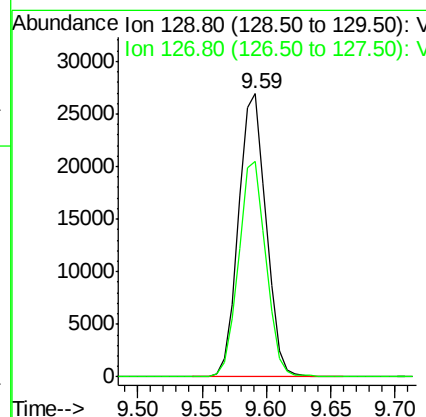
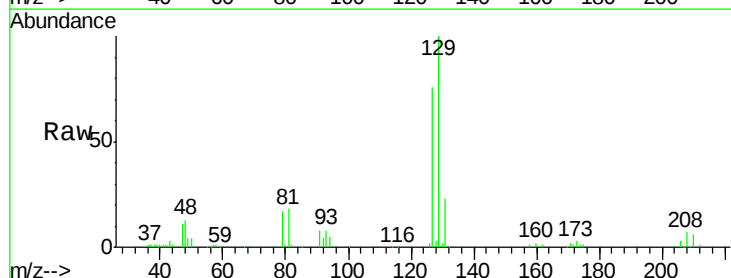
Manual Integrations
APPROVED

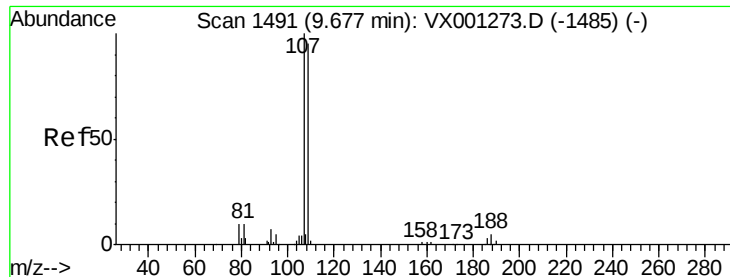
MMDadoda
5/3/2018 12:21:21 PM



#60
Dibromochloromethane
Concen: 20.36 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion: 129 Resp: 40067
Ion Ratio Lower Upper
129 100
127 75.5 39.1 117.3





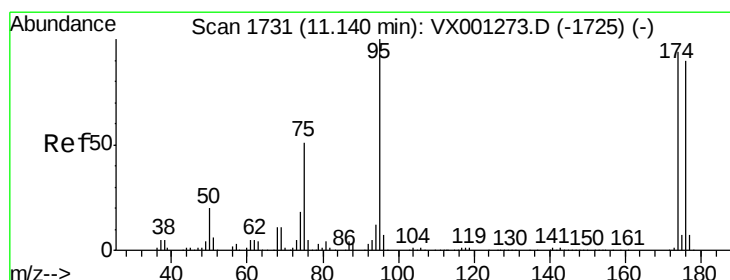
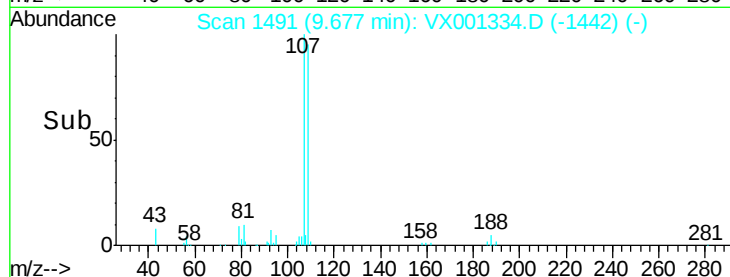
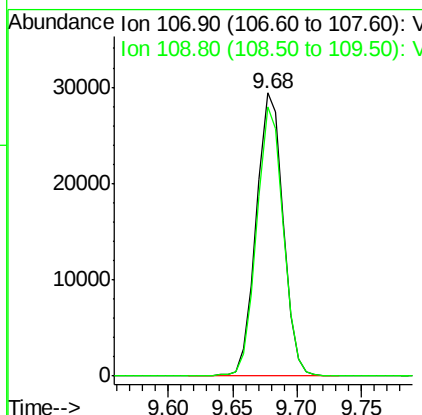
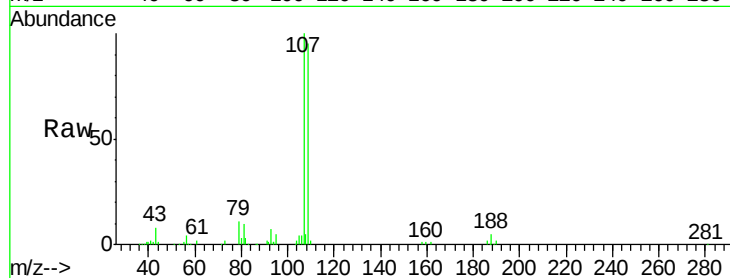
#61
 1,2-Dibromoethane
 Concen: 21.07 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	42132		
109	94.1	75.4	113.2	

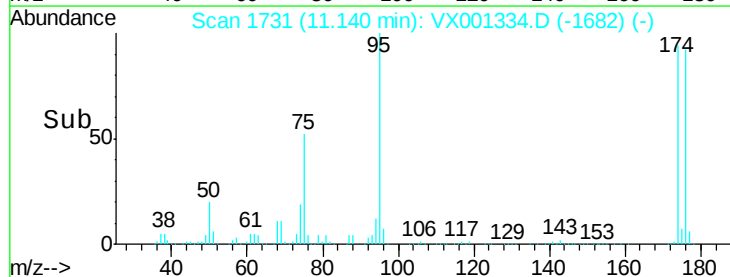
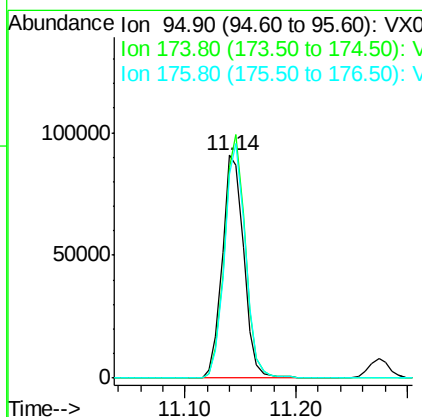
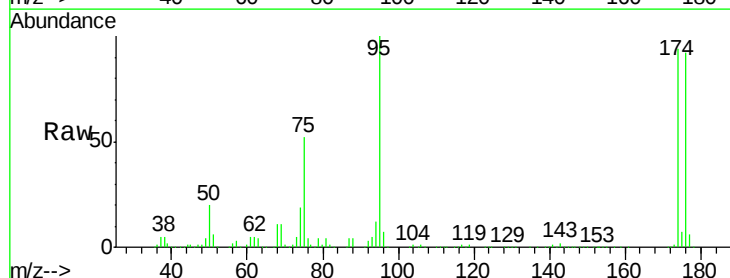
Manual Integrations
 APPROVED

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 5/3/2018 12:21:21 PM



#62
 4-Bromofluorobenzene
 Concen: 45.97 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	121806		
174	105.1	0.0	201.8	
176	102.1	0.0	197.2	





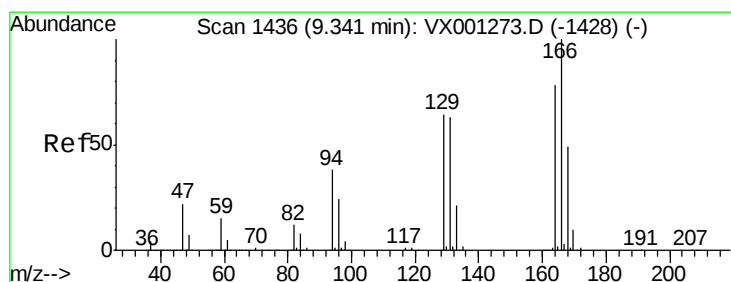
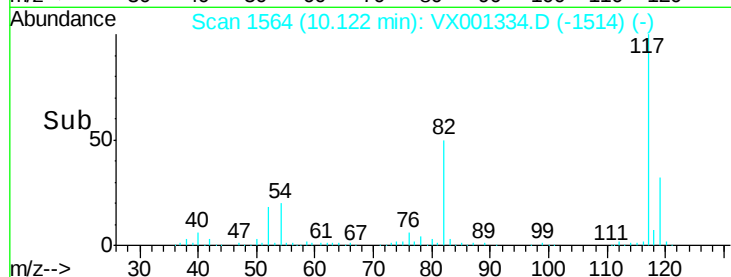
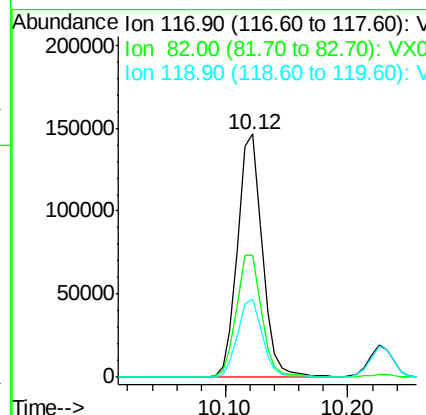
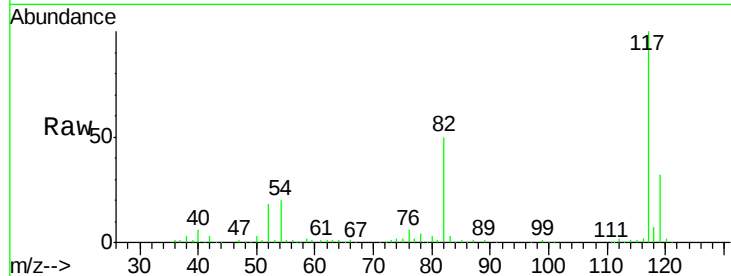
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	204610		
82	50.0	41.4	62.0	
119	32.2	25.5	38.3	

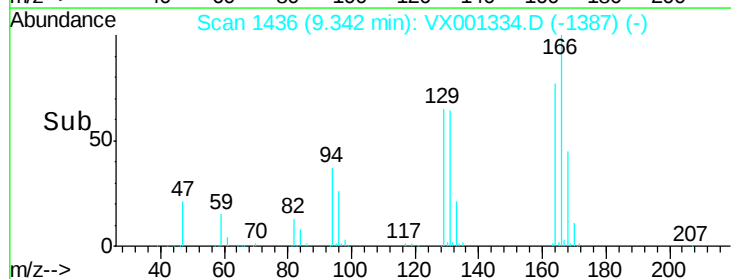
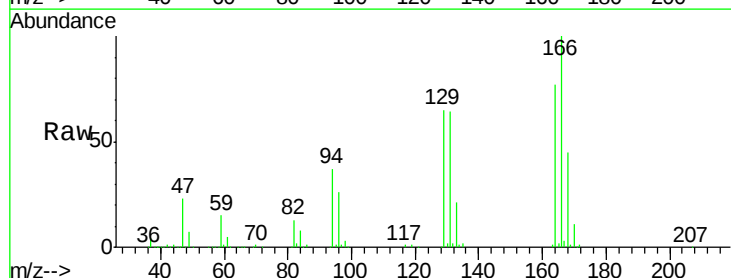
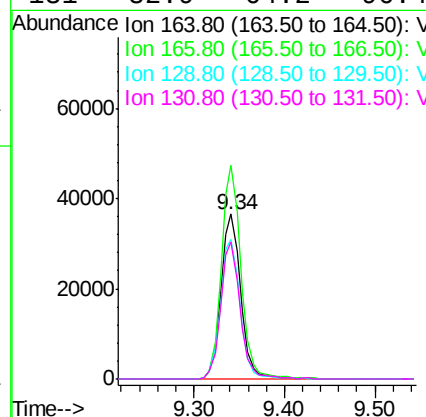
Manual Integrations
APPROVED

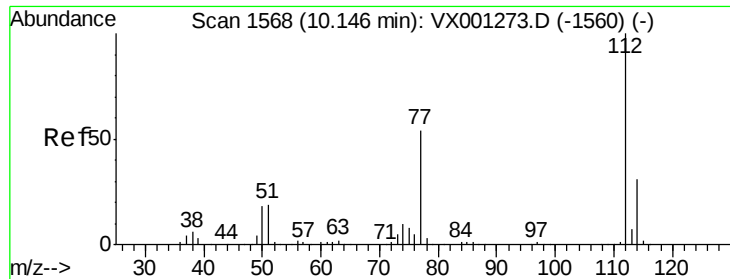
MMDadoda
5/3/2018 12:21:21 PM



#64
Tetrachloroethene
Concen: 23.07 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55912		
166	129.8	102.3	153.5	
129	85.0	65.1	97.7	
131	82.9	64.2	96.4	





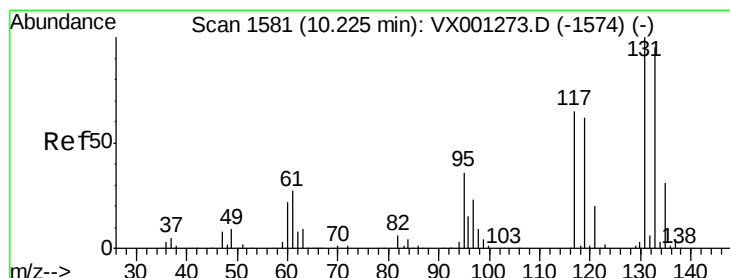
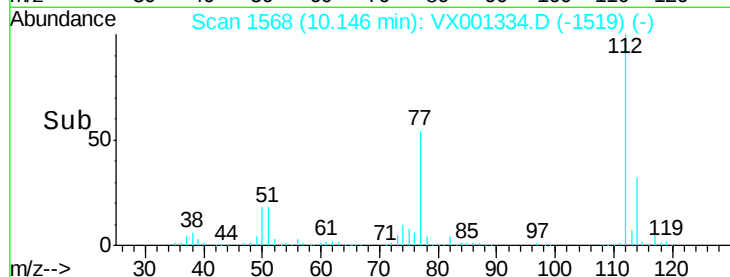
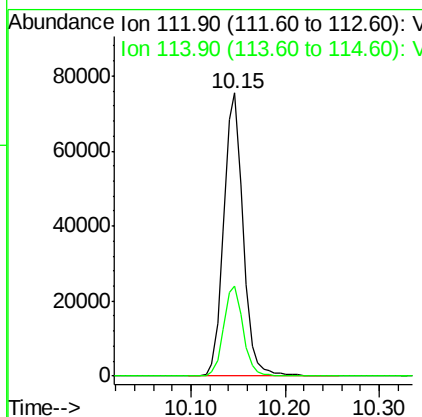
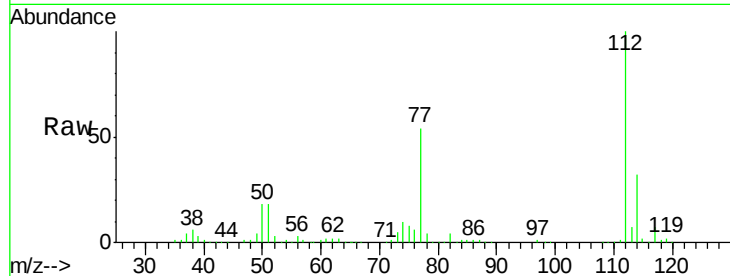
#65
Chlorobenzene
Concen: 19.34 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion:112 Resp: 107635
Ion Ratio Lower Upper
112 100
114 31.7 24.8 37.2

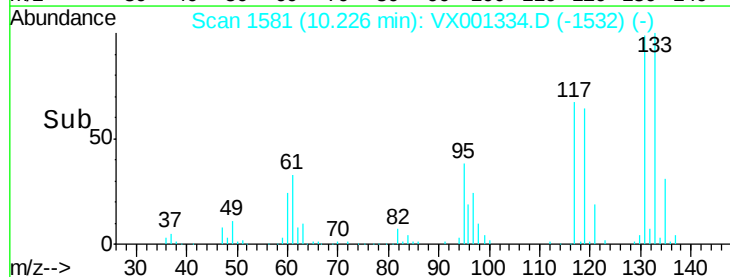
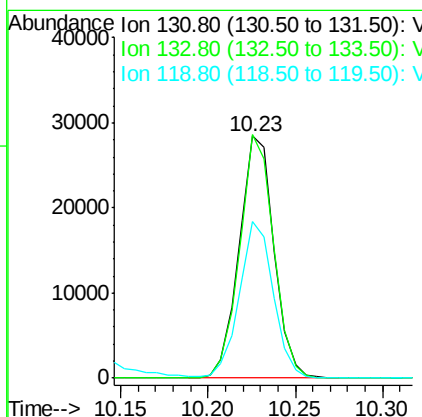
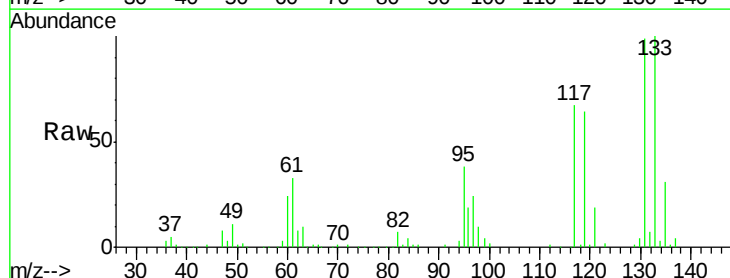
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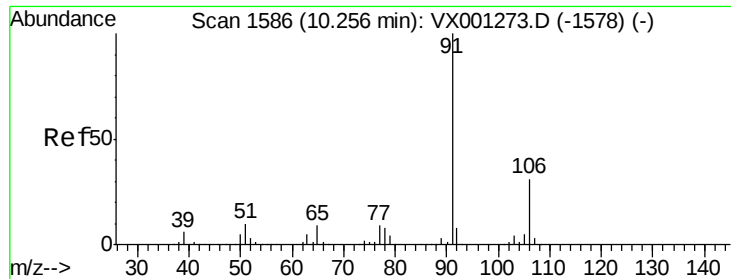
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.31 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion:131 Resp: 39224
Ion Ratio Lower Upper
131 100
133 98.0 48.3 144.9
119 63.6 31.2 93.6





#67

Ethyl Benzene

Concen: 18.86 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 91 Resp: 172939

Ion Ratio Lower Upper

91 100

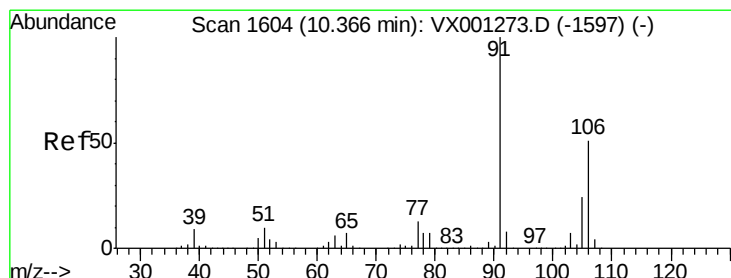
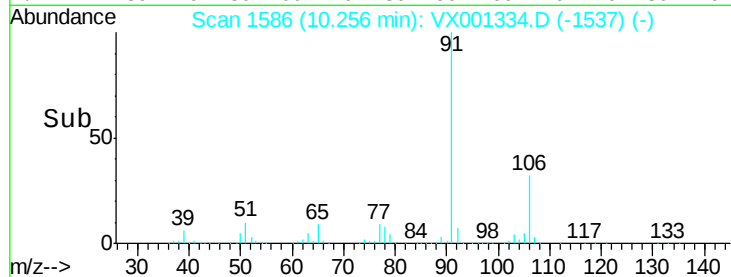
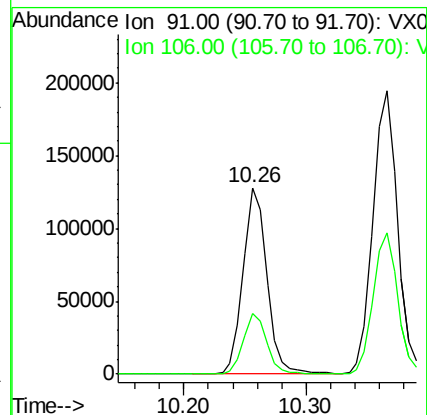
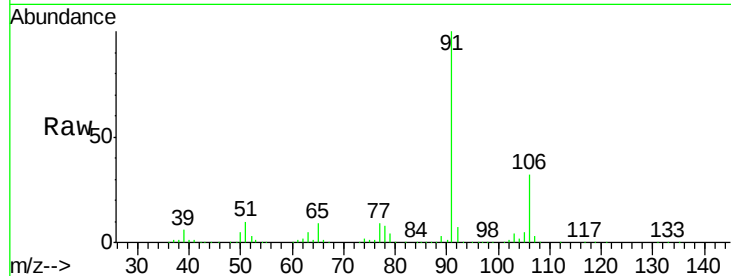
106 32.3 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.20 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001334.D

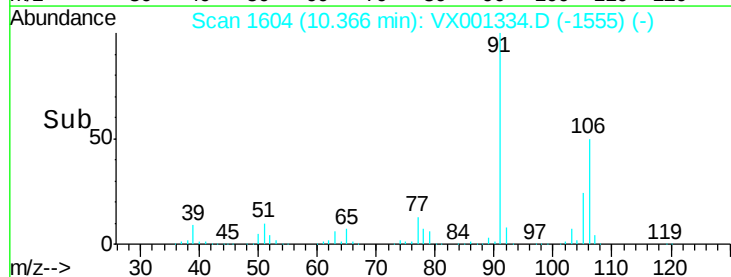
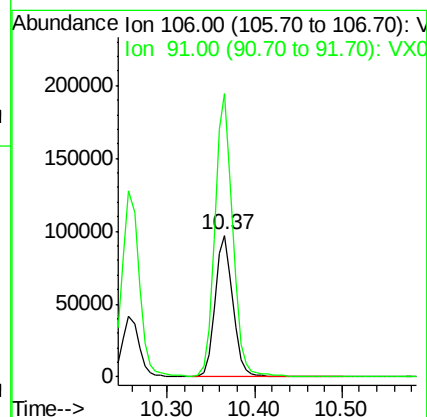
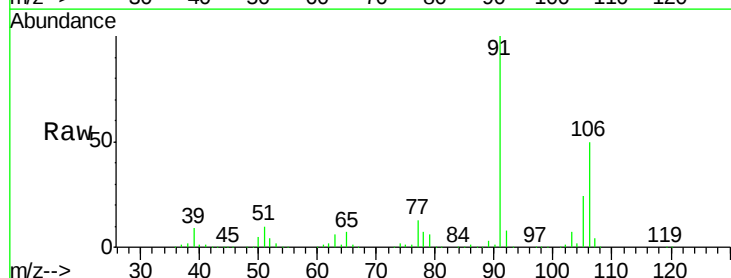
Acq: 02 May 2018 23:51

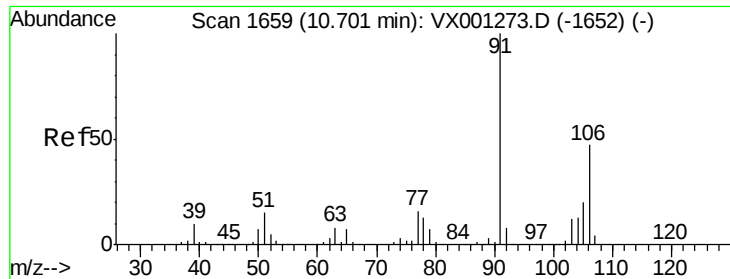
Tgt Ion: 106 Resp: 137830

Ion Ratio Lower Upper

106 100

91 200.4 159.4 239.2





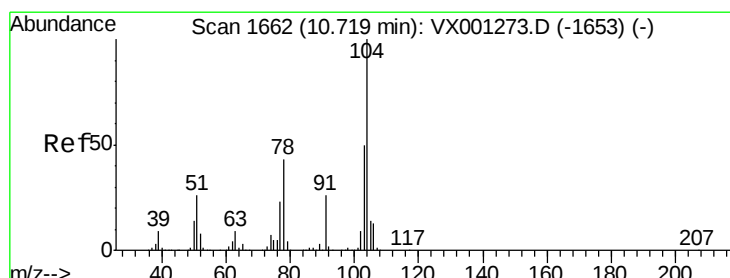
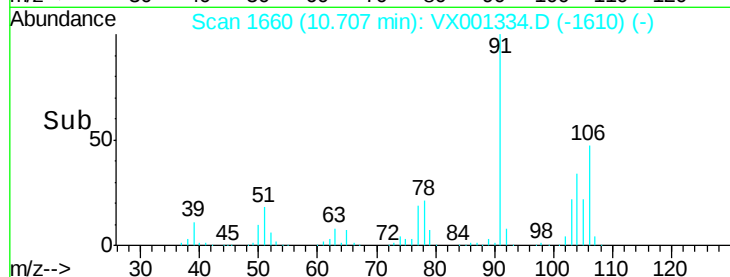
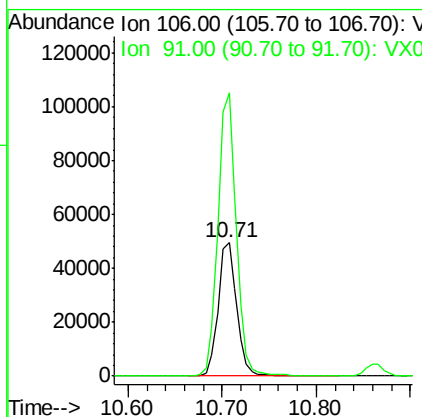
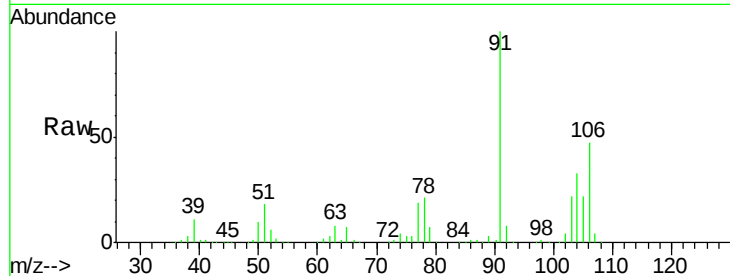
#69
o-Xylene
Concen: 19.32 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion:106 Resp: 67592
Ion Ratio Lower Upper
106 100
91 211.2 106.3 319.0

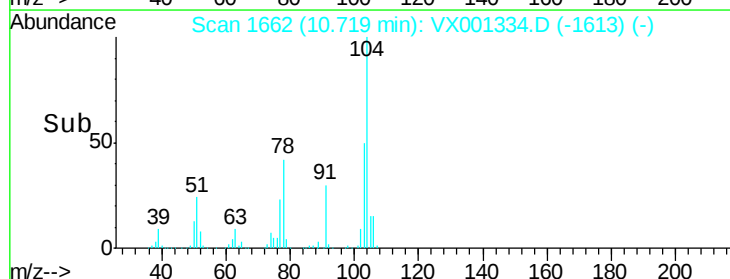
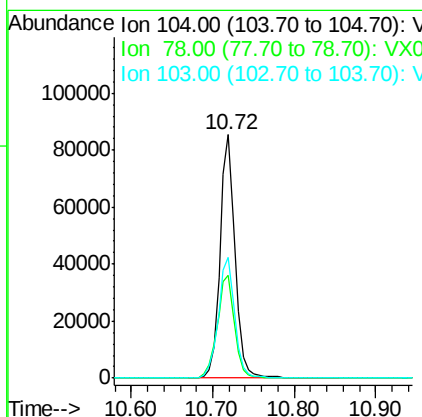
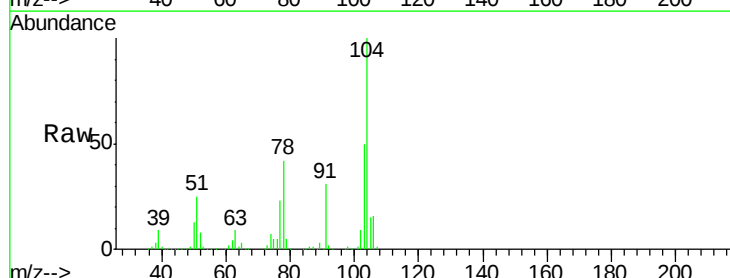
Manual Integrations
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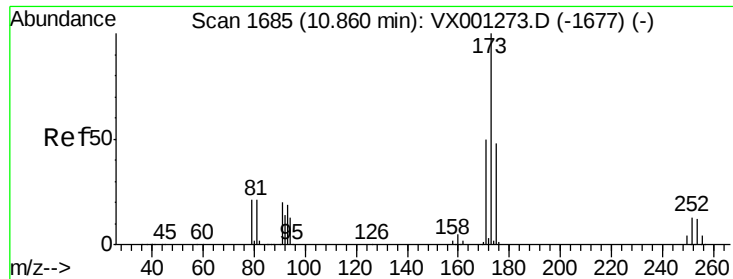
MMDadoda
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#70
Styrene
Concen: 19.35 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion:104 Resp: 110734
Ion Ratio Lower Upper
104 100
78 49.0 40.1 60.1
103 55.0 44.5 66.7





#71

Bromoform

Concen: 19.76 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion:173 Resp: 32071

Ion Ratio Lower Upper

173 100

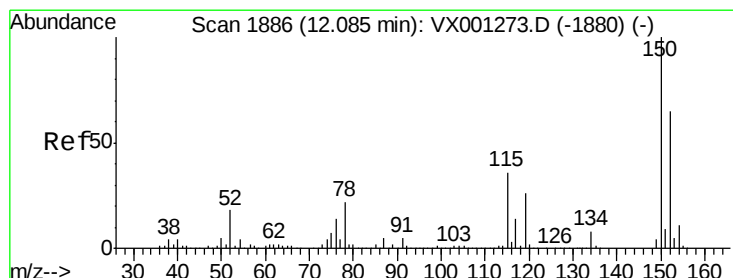
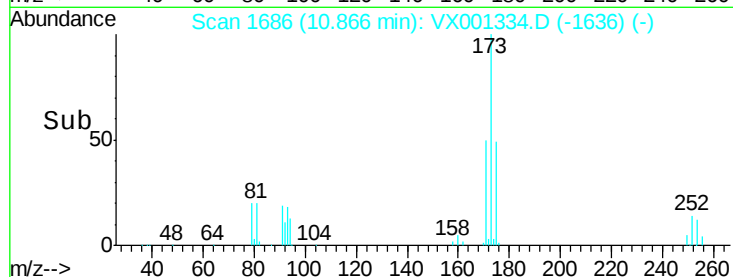
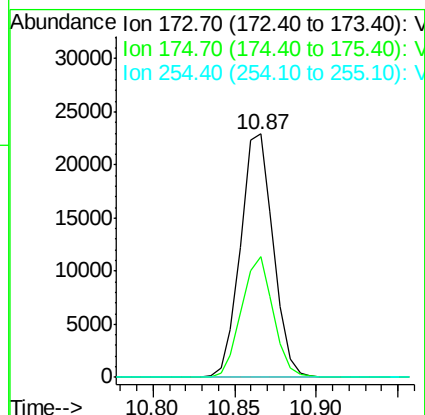
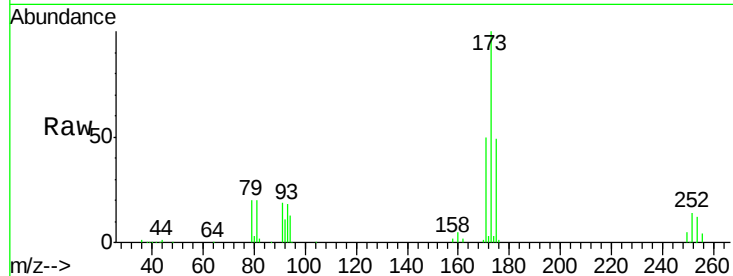
175 47.8 24.6 74.0

254 0.1 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

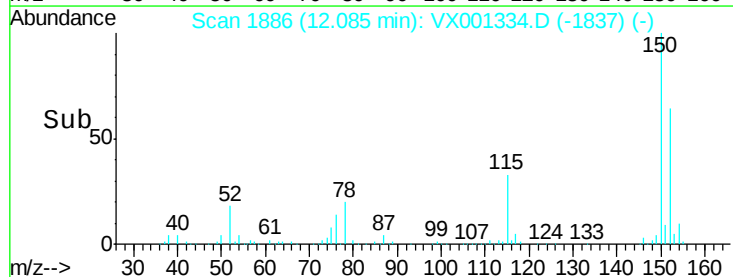
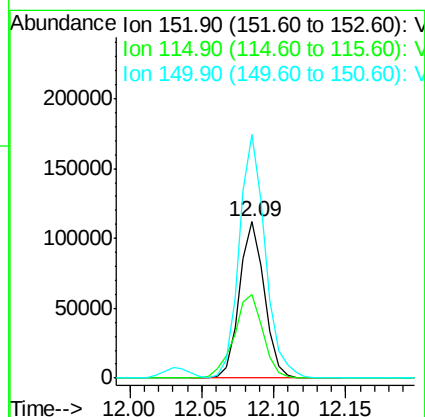
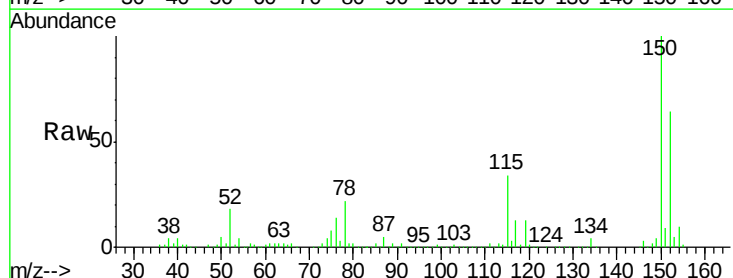
Tgt Ion:152 Resp: 134586

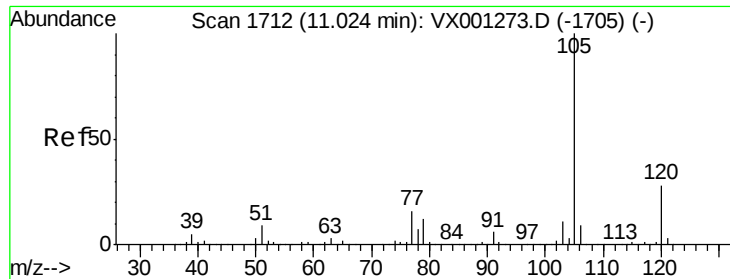
Ion Ratio Lower Upper

152 100

115 62.5 38.6 115.7

150 163.0 0.0 349.2





#73

Isopropylbenzene

Concen: 20.23 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 105 Resp: 182108

Ion Ratio Lower Upper

105 100

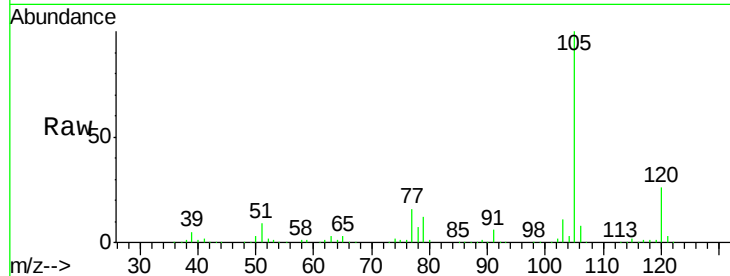
120 27.1 13.7 41.1

Manual Integrations

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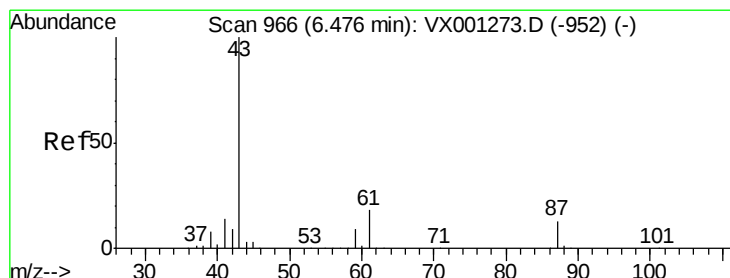
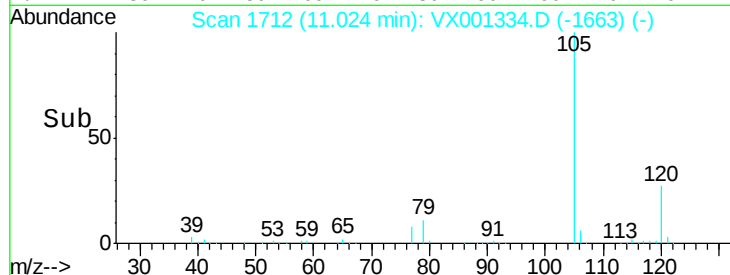
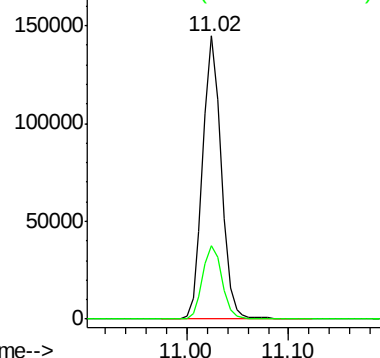
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.24 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion: 43 Resp: 85920

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

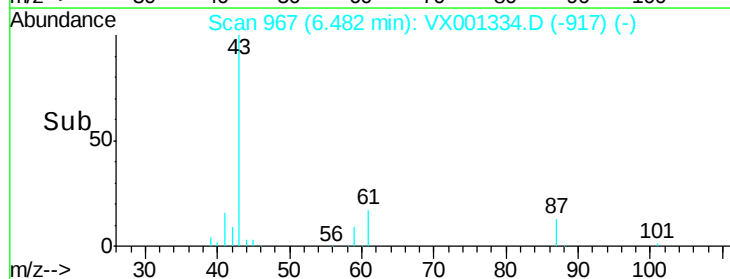
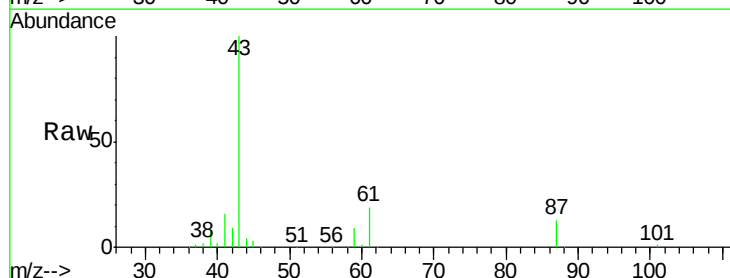
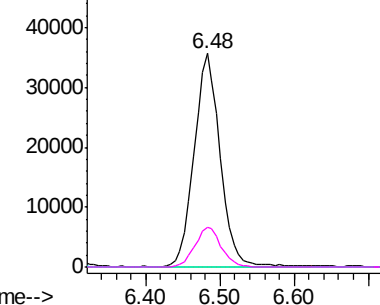
61 19.2 15.0 22.4

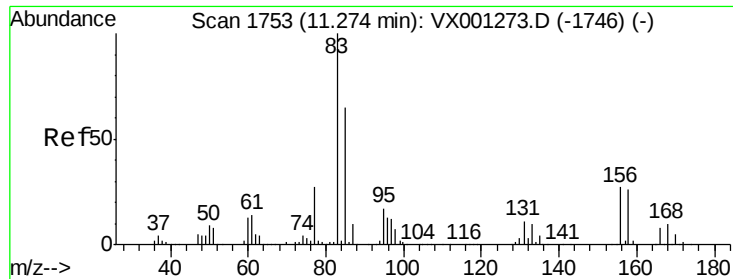
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.85 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

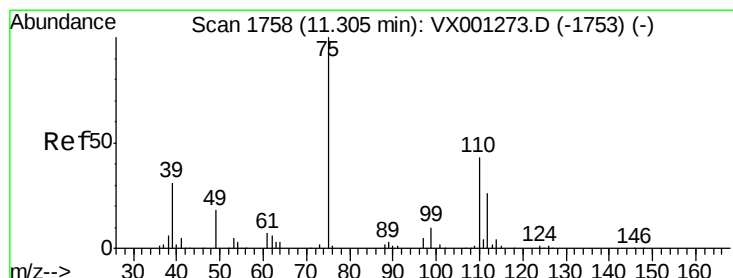
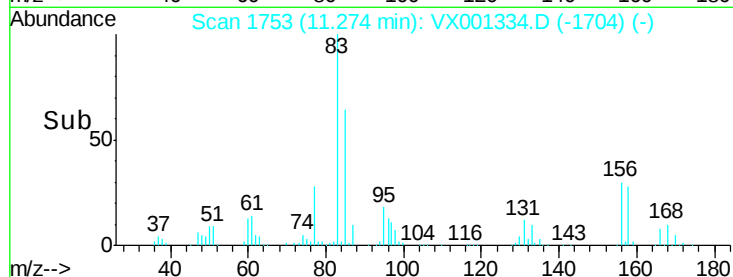
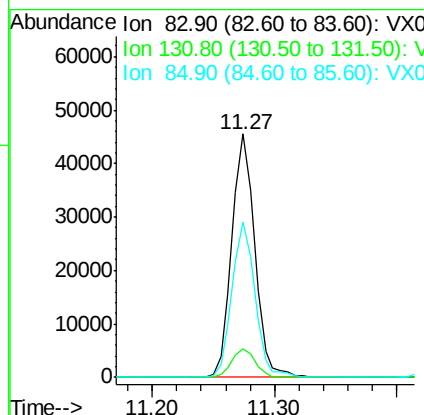
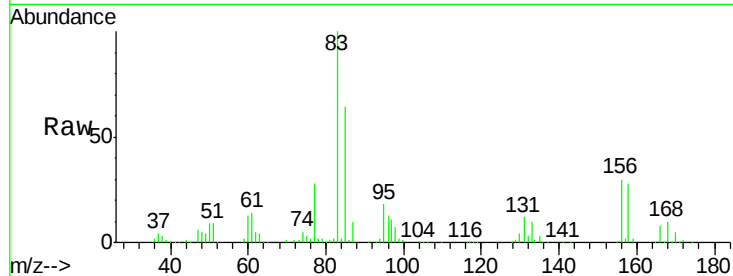
ClientSampleId :

VX0502WBSD02

Tot Ion:	83	Resp:	58950
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.8	17.3
85	64.1	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.96 ug/l m

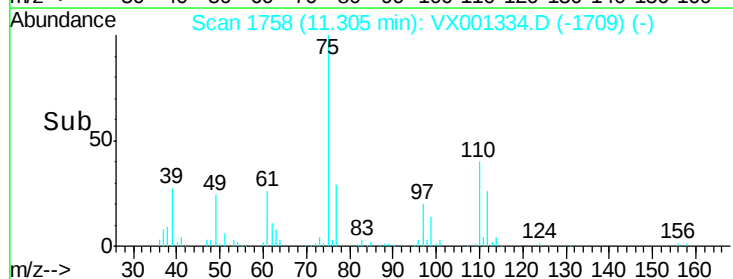
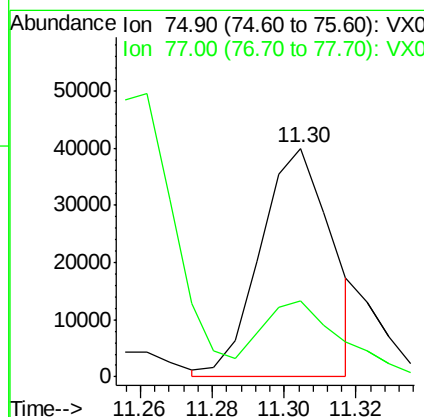
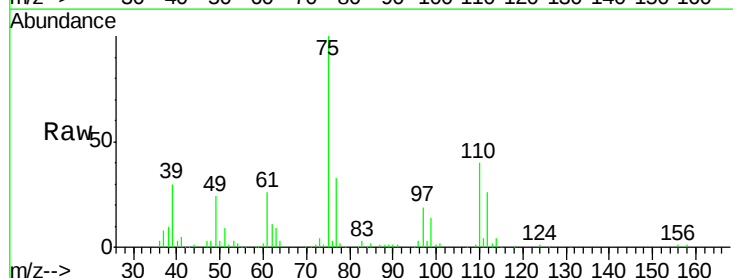
RT: 11.30 min Scan# 1758

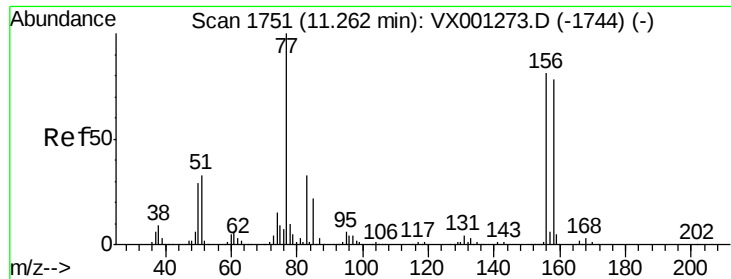
Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	75	Resp:	54664
Ion	Ratio	Lower	Upper
75	100		
77	37.3	18.9	56.5





#77

Bromobenzene

Concen: 20.73 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

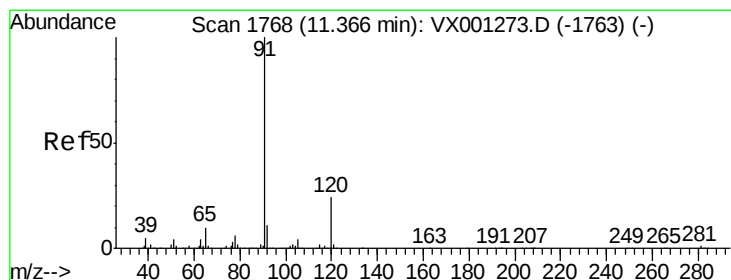
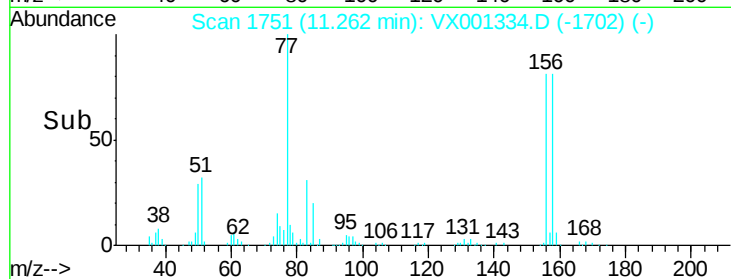
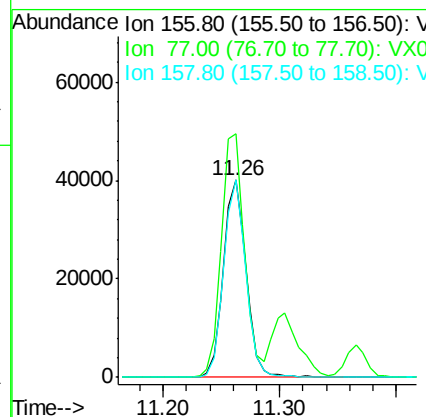
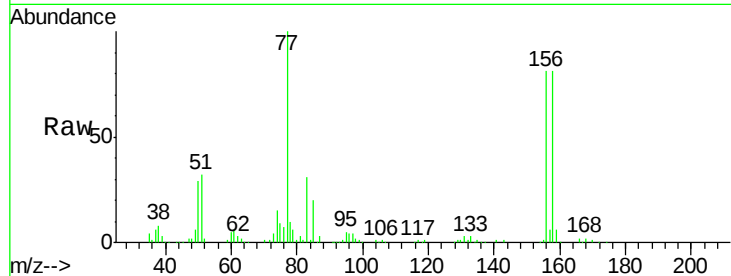
ClientSampleId :

VX0502WBSD02

Tot Ion:	156	Resp:	53827
Ion Ratio	Lower	Upper	
156	100		
77	125.6	65.3	195.8
158	97.3	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 19.87 ug/l

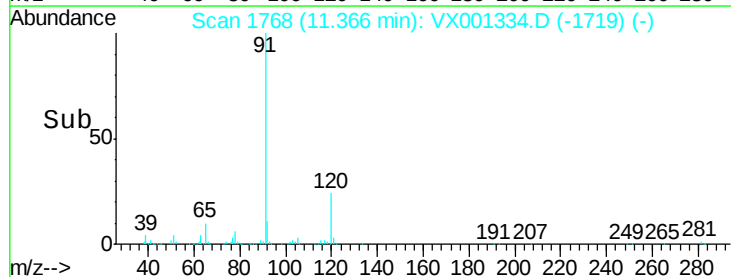
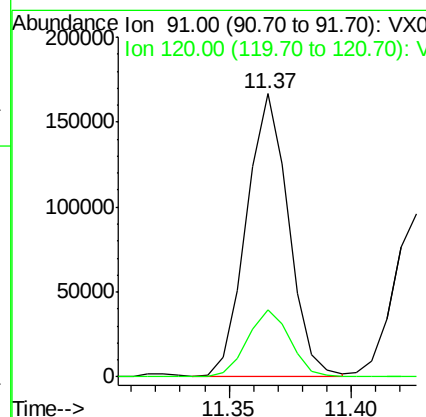
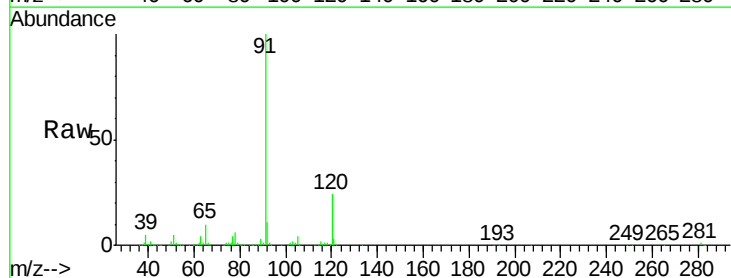
RT: 11.37 min Scan# 1768

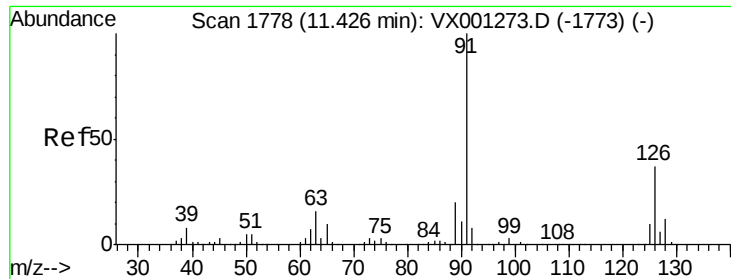
Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	91	Resp:	198853
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.3	36.8





#79

2-Chlorotoluene

Concen: 20.08 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion: 91 Resp: 121244

Ion Ratio Lower Upper

91 100

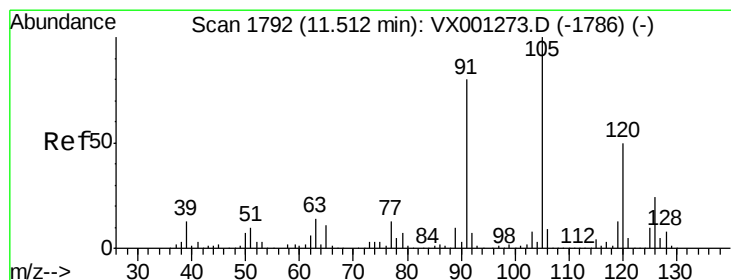
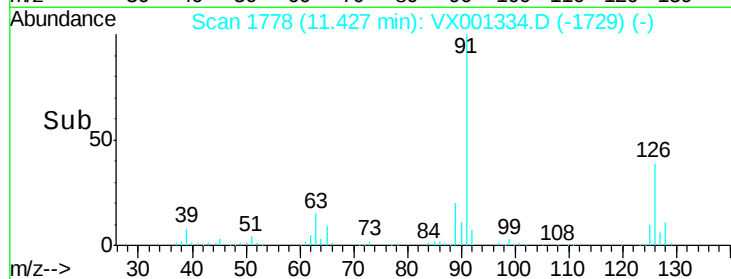
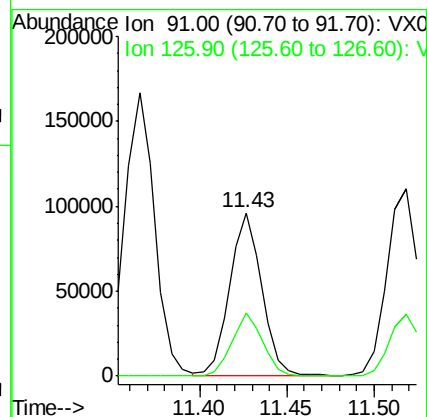
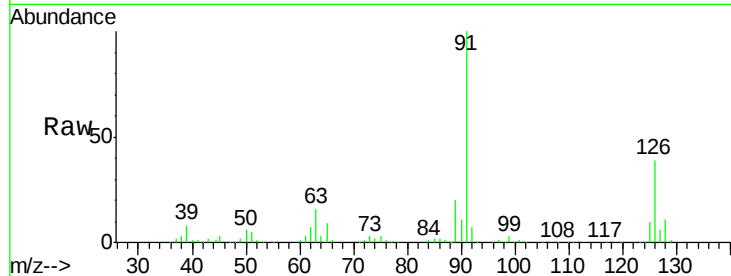
126 37.9 18.4 55.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.40 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001334.D

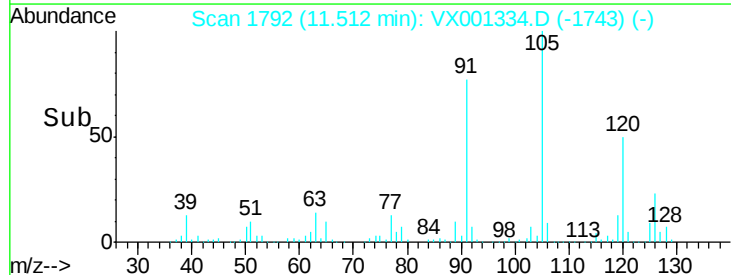
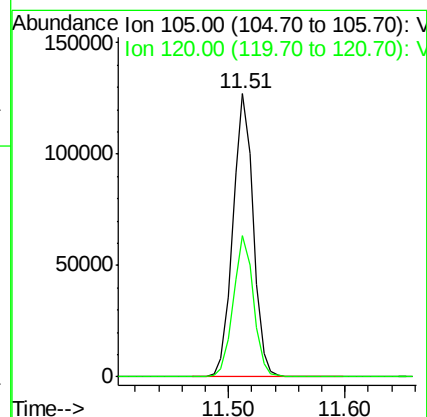
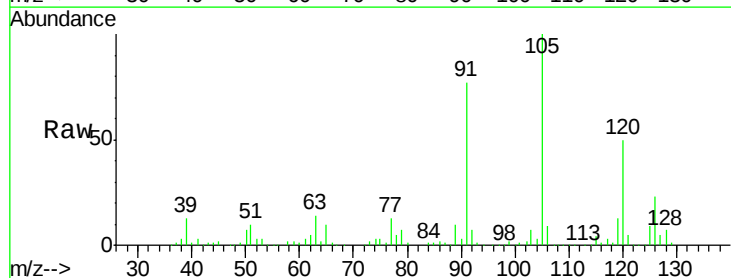
Acq: 02 May 2018 23:51

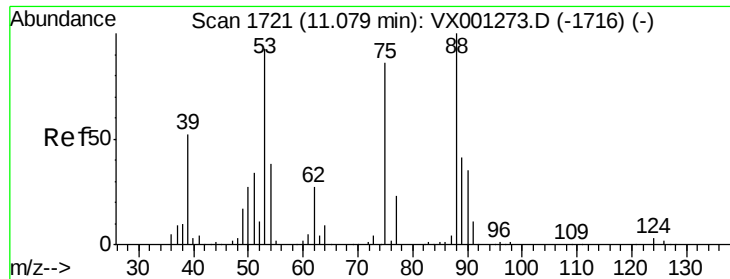
Tgt Ion:105 Resp: 154259

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





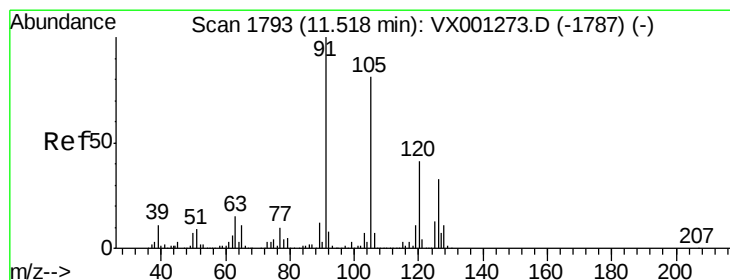
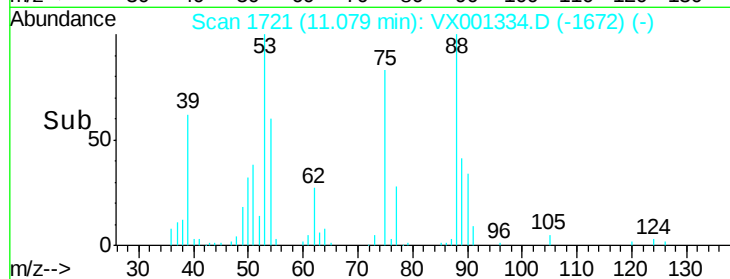
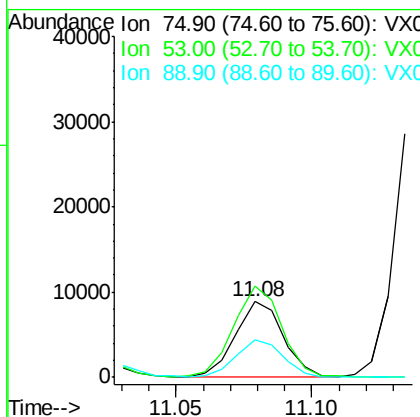
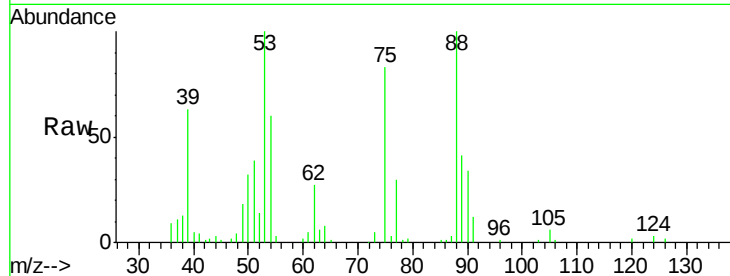
#81
trans-1,4-Dichloro-2-butene
Concen: 17.03 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampled :
VX0502WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.3	87.1	130.7
89	49.7	38.9	58.3

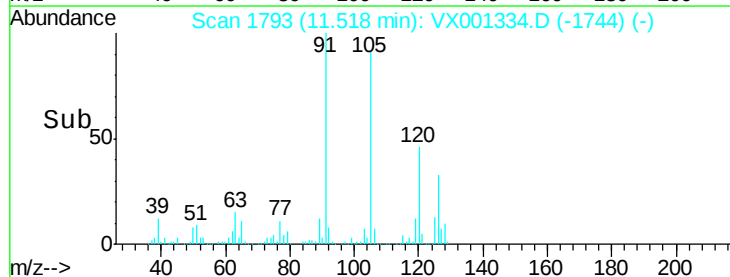
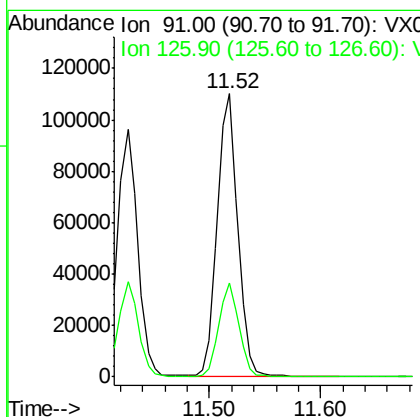
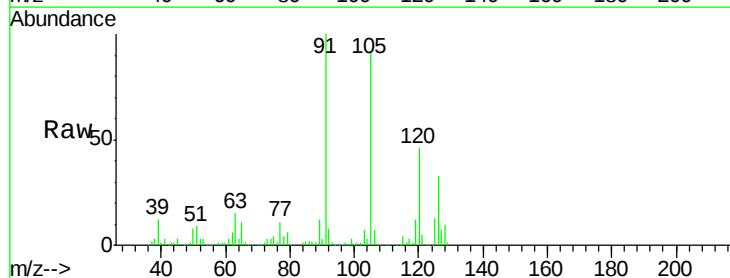
Manual Integrations
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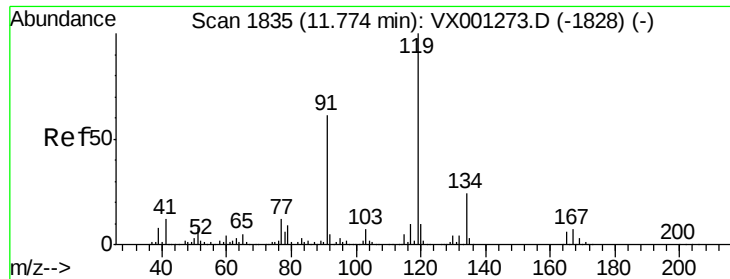
MMDadoda
5/3/2018 12:21:21 PM



#82
4-Chlorotoluene
Concen: 19.44 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.2





#83

tert-Butylbenzene

Concen: 19.33 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

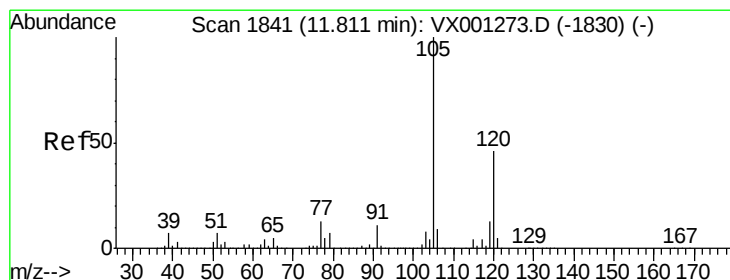
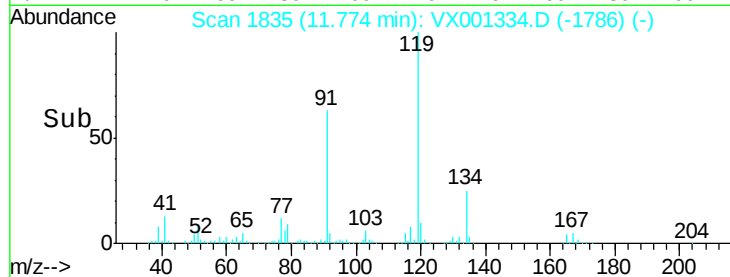
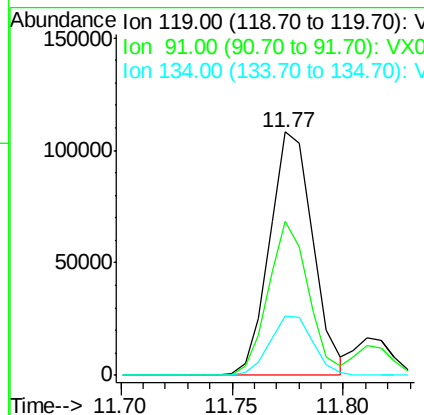
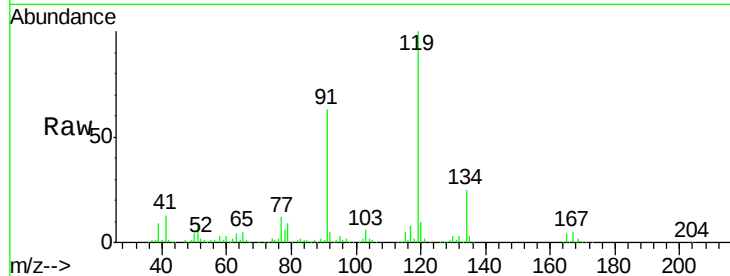
ClientSampleId :

VX0502WBSD02

Tot Ion:	119	Resp:	145739
Ion Ratio	Lower	Upper	
119	100		
91	58.9	28.1	84.3
134	24.4	11.8	35.3

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#84

1,2,4-Trimethylbenzene

Concen: 20.60 ug/l

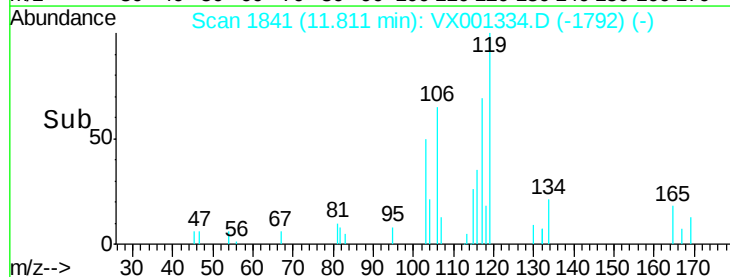
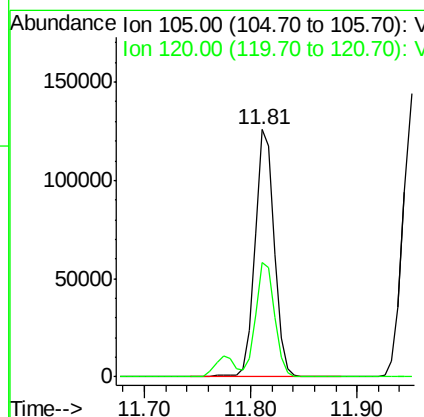
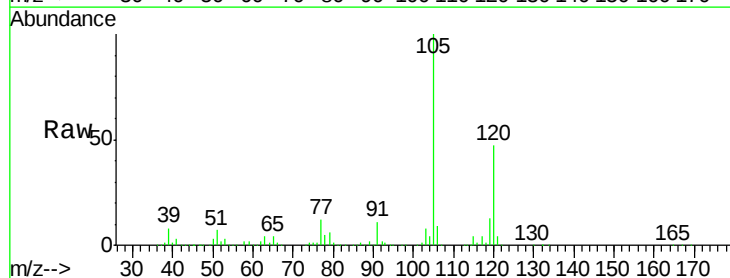
RT: 11.81 min Scan# 1841

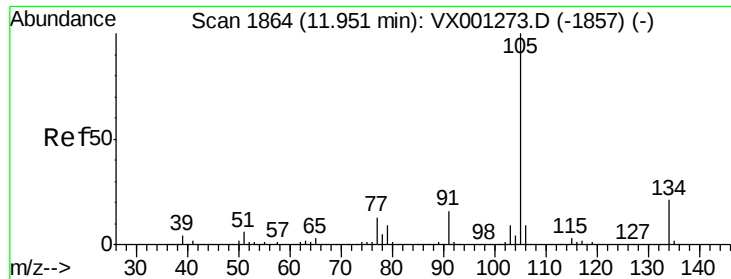
Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	105	Resp:	159636
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.7	68.1





#85

sec-Butylbenzene

Concen: 20.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD02

Tot Ion:105 Resp: 181535

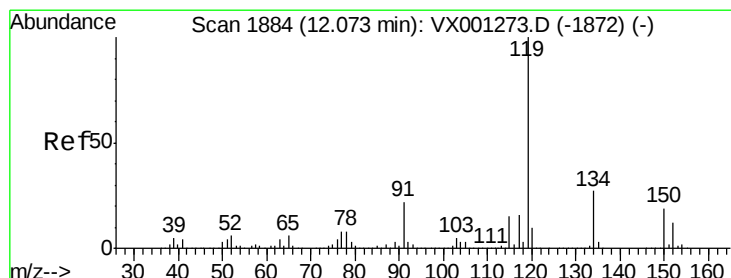
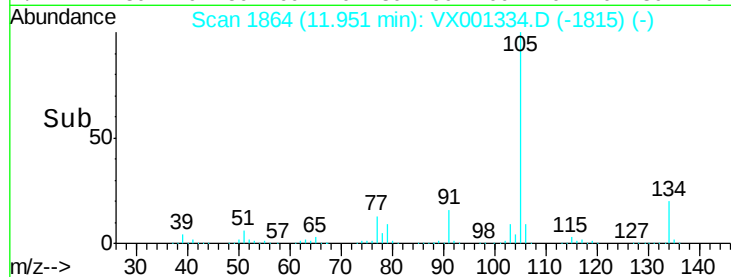
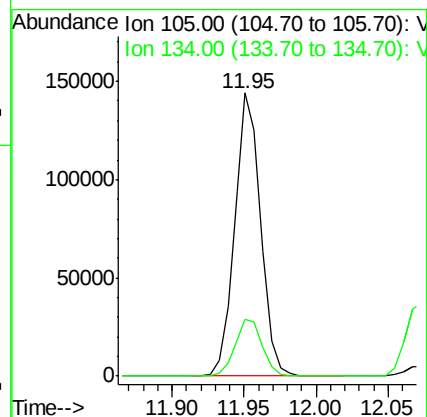
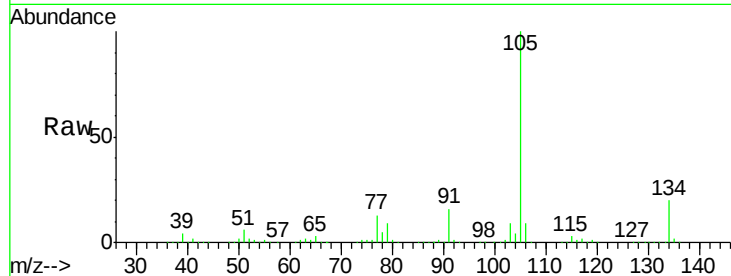
Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 19.92 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

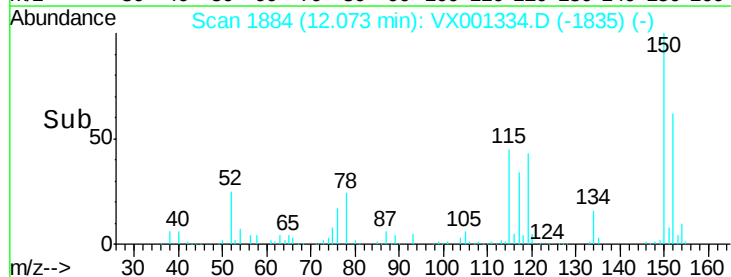
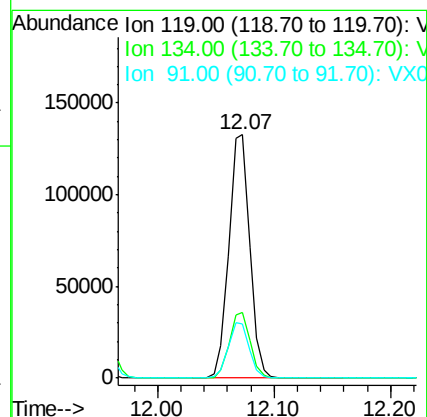
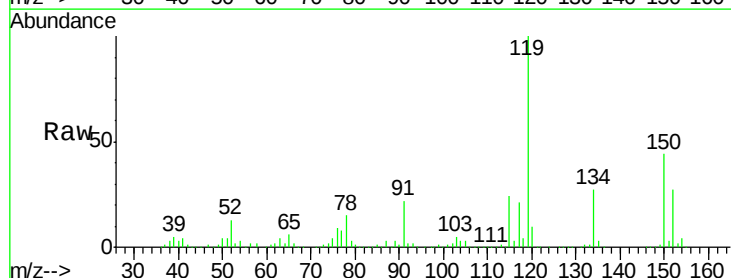
Tgt Ion:119 Resp: 164844

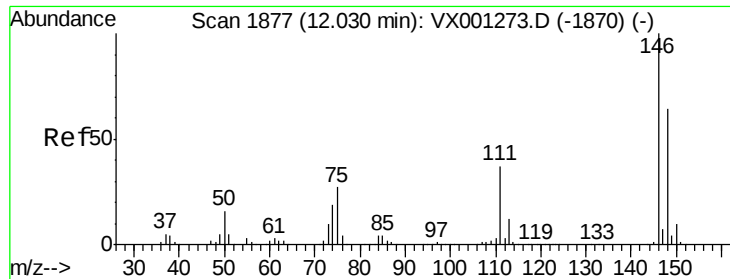
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 23.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 19.53 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

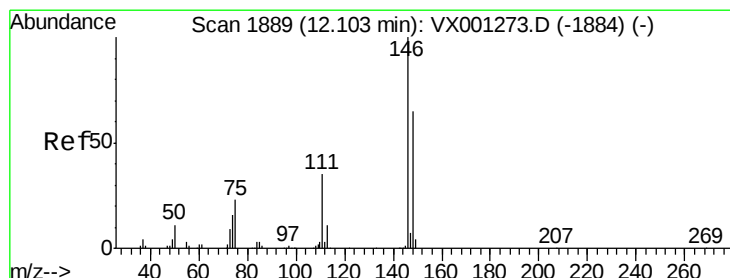
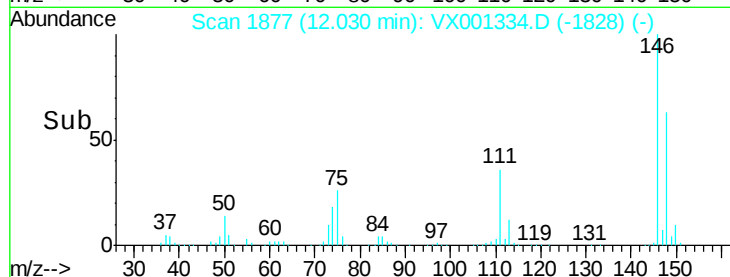
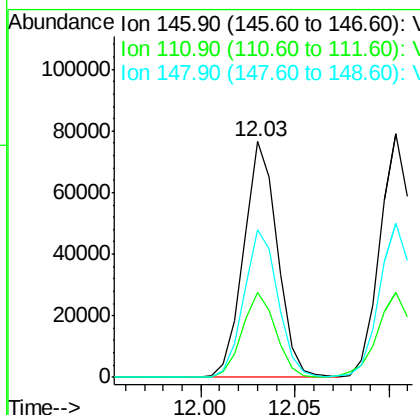
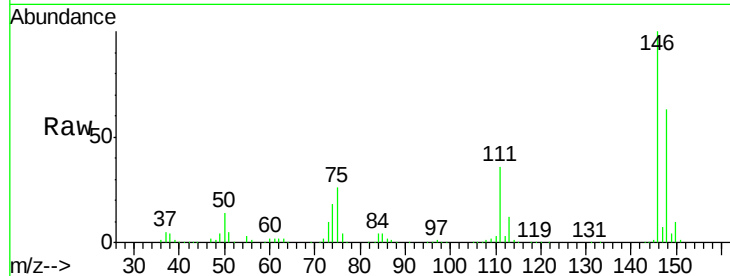
ClientSampled :

VX0502WBSD02

Tot Ion:	146	Resp:	94697
Ion Ratio	Lower	Upper	
146	100		
111	35.9	18.4	55.2
148	63.2	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.01 ug/l

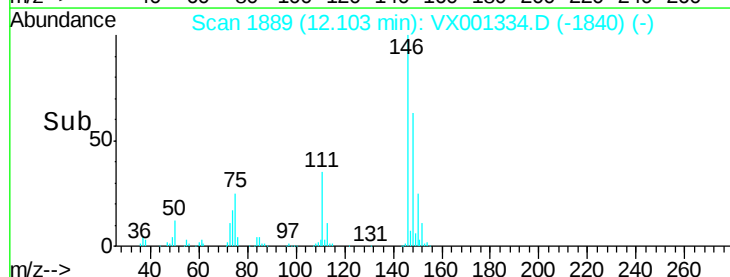
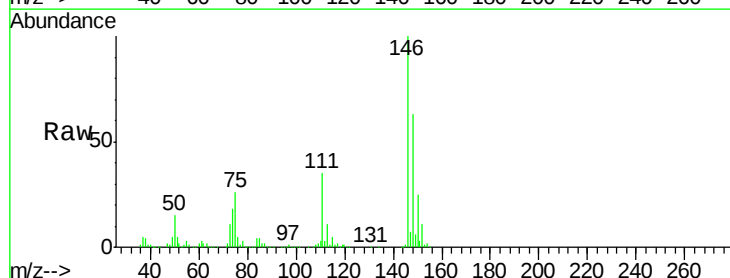
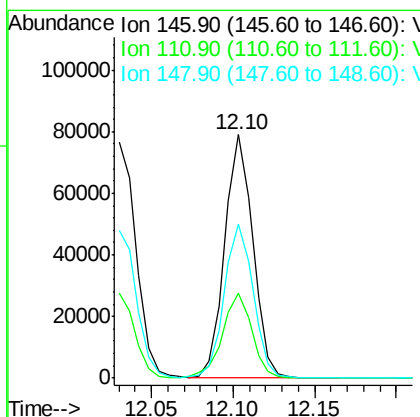
RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	146	Resp:	95044
Ion Ratio	Lower	Upper	
146	100		
111	36.7	17.9	53.7
148	65.2	32.3	96.8





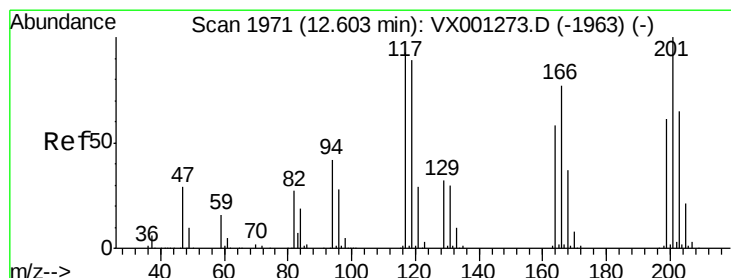
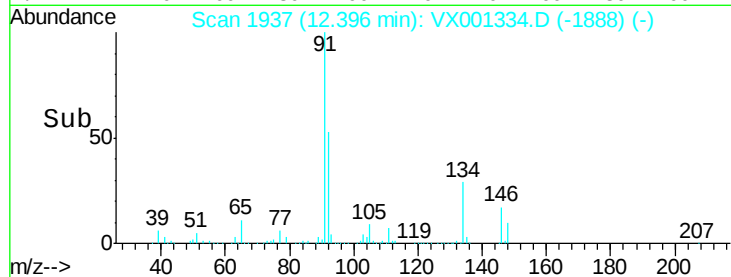
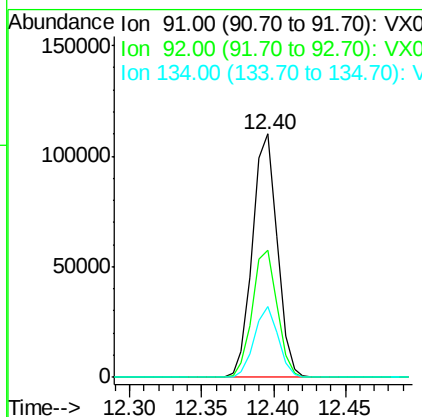
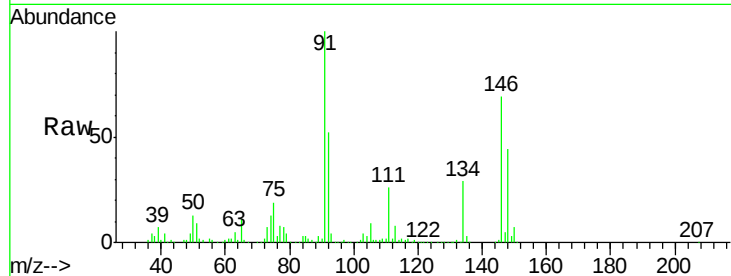
#89
n-Butylbenzene
Concen: 18.04 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	28.0	14.0	42.0

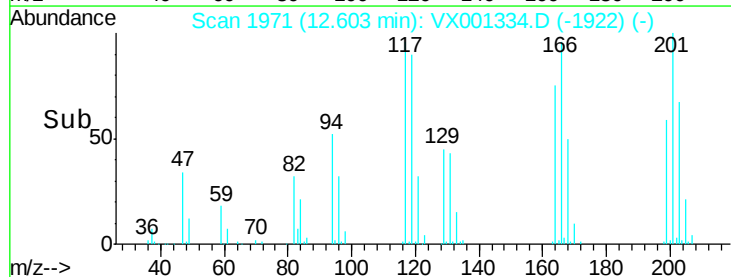
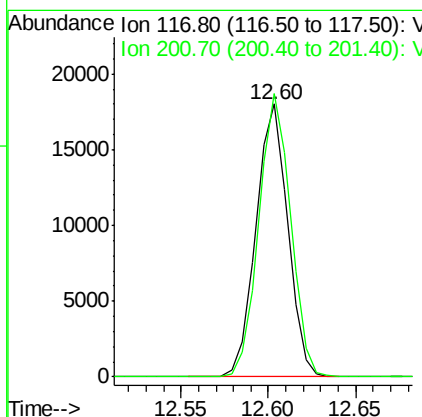
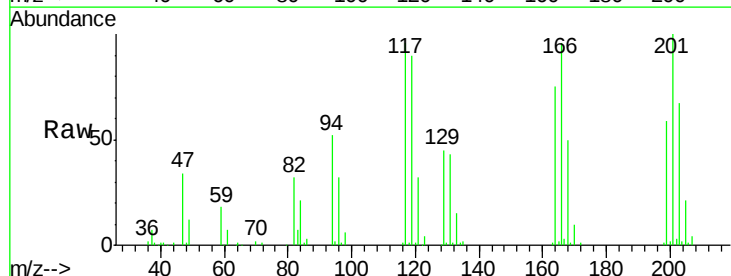
Manual Integrations
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#90
Hexachloroethane
Concen: 19.03 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001334.D
Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.7	51.6	154.8





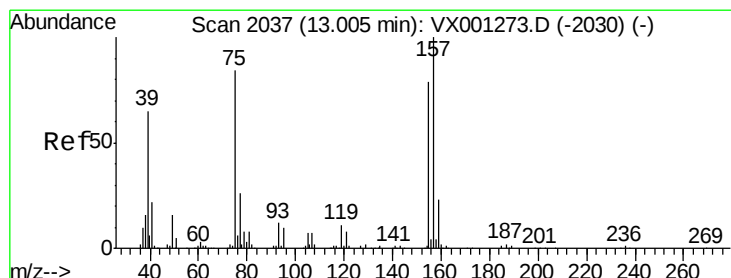
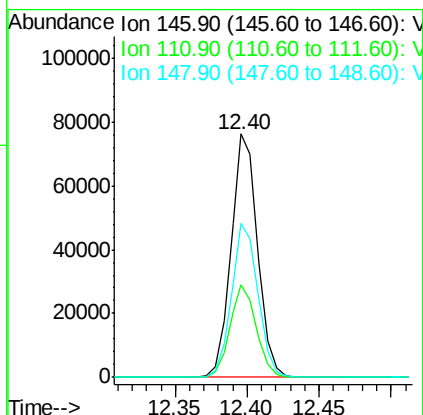
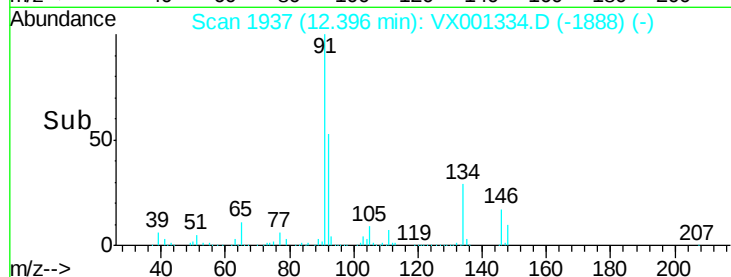
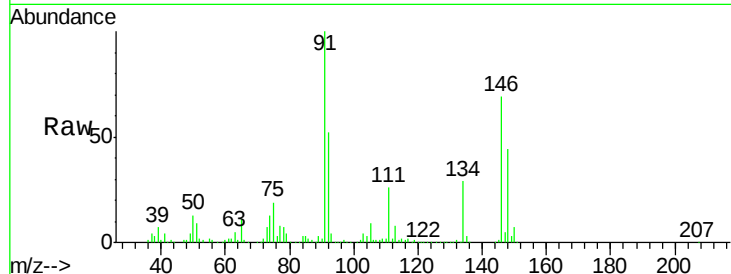
#91
 1,2-Dichlorobenzene
 Concen: 20.20 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0502WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.5
148	63.6	32.4	97.0

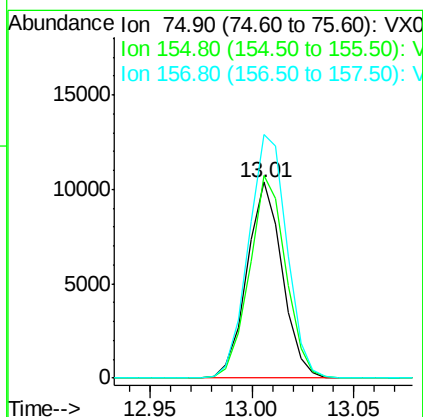
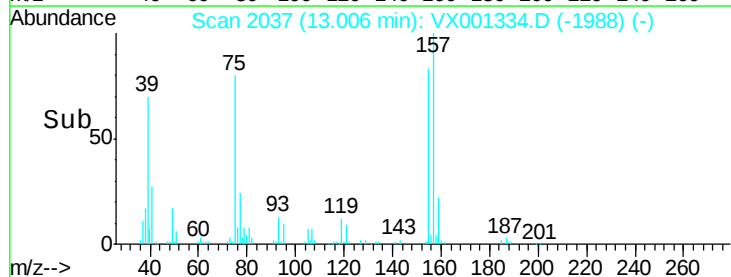
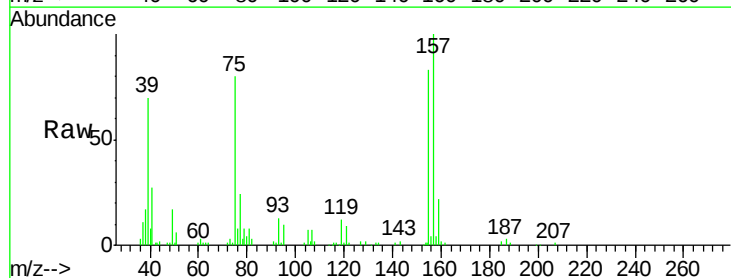
Manual Integrations
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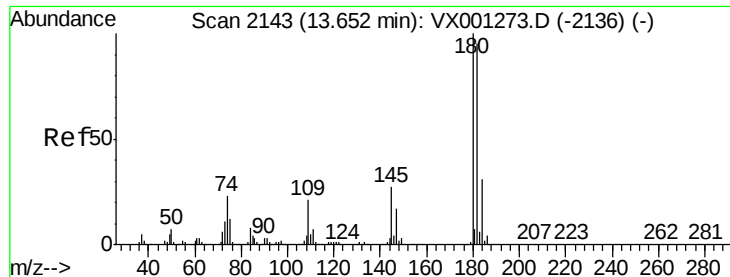
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.93 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.6	49.9	149.7
157	135.1	63.7	191.1





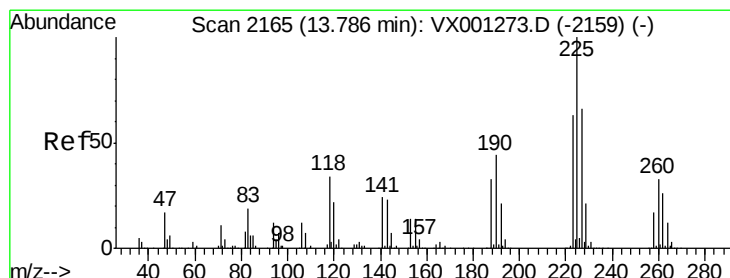
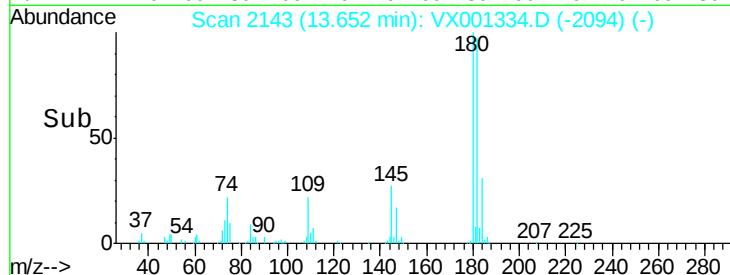
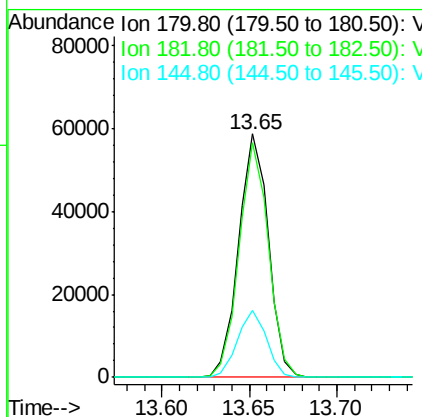
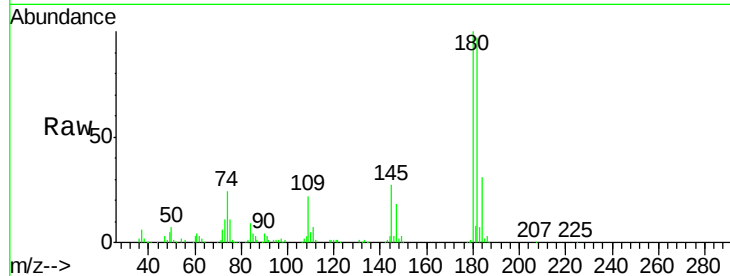
#93
 1,2,4-Trichlorobenzene
 Concen: 17.88 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	27.0	13.5	40.4

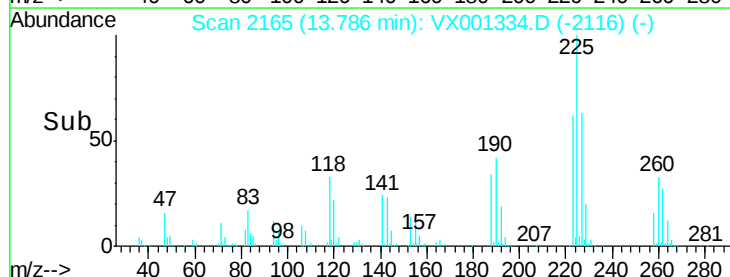
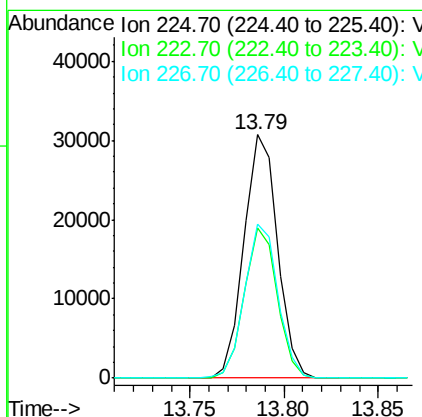
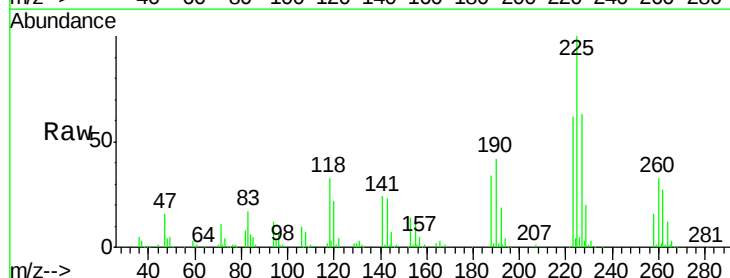
Manual Integrations
 APPROVED

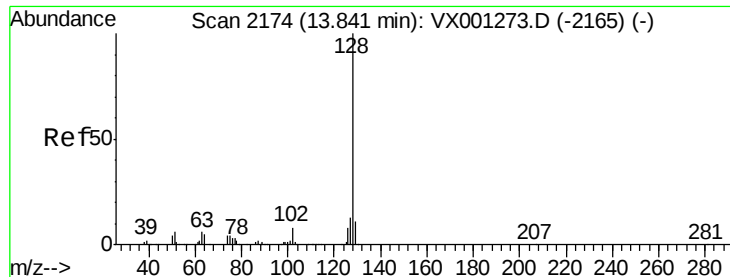
MMDadoda
 5/3/2018 12:21:21 PM



#94
 Hexachlorobutadiene
 Concen: 18.70 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001334.D
 Acq: 02 May 2018 23:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.4	94.0
227	62.8	32.5	97.5





#95

Naphthalene

Concen: 20.98 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Instrument :

MSVOA_X

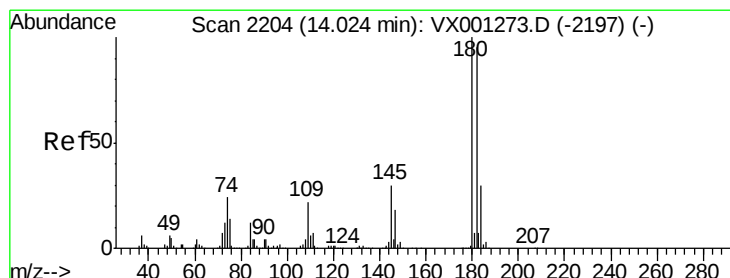
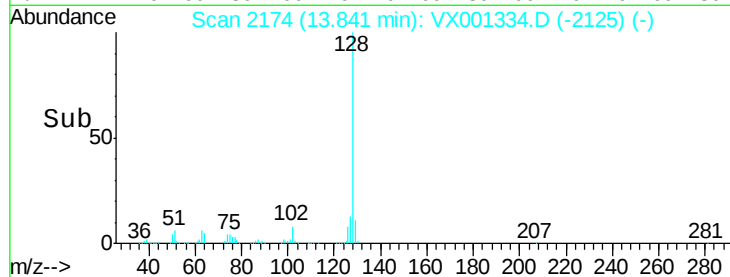
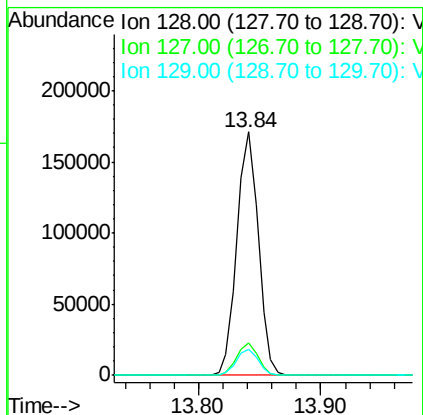
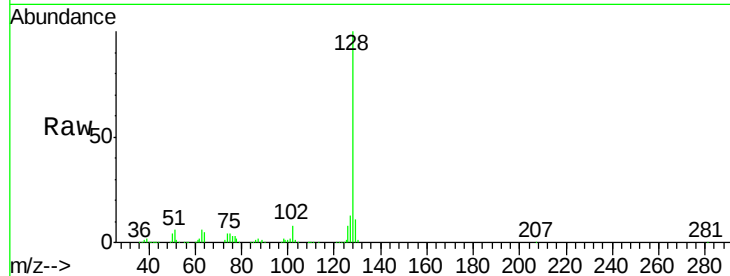
ClientSampleId :

VX0502WBSD02

Tot Ion:	128	Resp:	206633
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.35 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001334.D

Acq: 02 May 2018 23:51

Tgt Ion:	180	Resp:	73737
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.1	144.3
145	29.2	14.4	43.4

