

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001314.D
 Acq On : 02 May 2018 12:54
 Operator : JC/MD
 Sample : VX0502WBSD03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:17 PM

Quant Time: May 03 05:15:00 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	32943	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	173921	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	162497	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	69520	29.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.53%
60) 4-Bromofluorobenzene	11.14	95	76949	28.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.20%
63) Toluene-d8	8.72	98	213310	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	40372	18.69	ug/l	99
3) Chloromethane	1.32	50	37643	18.67	ug/l	99
4) Vinyl Chloride	1.40	62	42254	19.98	ug/l	98
5) Bromomethane	1.64	94	30239	18.93	ug/l	99
6) Chloroethane	1.73	64	26625	20.58	ug/l	96
7) Trichlorofluoromethane	1.93	101	73113	20.82	ug/l	97
8) Diethyl Ether	2.19	74	26823	22.00	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40527	20.35	ug/l	93
10) 1,1-Dichloroethene	2.37	96	36466	20.21	ug/l	87
11) Methyl Iodide	2.51	142	57501	26.20	ug/l	95
12) Methyl Acetate	2.78	43	61601	25.97	ug/l	97
13) Acrolein	2.30	56	21342	75.43	ug/l	98
14) Acrylonitrile	3.15	53	114536	121.30	ug/l	99
15) Acetone	2.45	58	33340	113.48	ug/l	93
16) Carbon Disulfide	2.57	76	84001	17.50	ug/l	98
17) Allyl chloride	2.73	41	66764	20.85	ug/l	94
18) Methylene Chloride	2.86	84	41768	21.24	ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	38989	20.04	ug/l	94
20) Diisopropyl ether	3.88	45	118172	18.75	ug/l #	98
21) 1,1-Dichloroethane	3.70	63	72998	21.56	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	41930	19.30	ug/l	97
23) tert-Butyl Alcohol	3.09	59	54718	141.80	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	132909	21.48	ug/l	95
25) Chloroform	5.23	83	70685	19.17	ug/l	97
26) Cyclohexane	5.57	56	54208	17.60	ug/l #	97
29) 1,1-Dichloropropene	5.81	75	49488	19.21	ug/l	100
30) 2-Butanone	4.72	43	152920	115.81	ug/l	98
31) 2,2-Dichloropropane	4.59	77	49576	17.62	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	60142	19.29	ug/l	98
33) Carbon Tetrachloride	5.79	117	52036	18.52	ug/l	97
34) Benzene	6.15	78	150680	19.73	ug/l	93
35) Methacrylonitrile	5.07	41	32865	22.43	ug/l	92
36) 1,2-Dichloroethane	6.21	62	60046	20.49	ug/l	100
37) Trichloroethene	7.22	130	45917	19.83	ug/l	92
38) Methylcyclohexane	7.47	83	56238	18.55	ug/l	96
39) 1,2-Dichloropropane	7.52	63	39037	20.16	ug/l	96
40) Dibromomethane	7.67	93	28427	20.87	ug/l	86

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Manual Integrations
 APPROVED

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 5/3/2018 12:21:17 PM

Quant Time: May 03 05:15:00 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	48484	18.84	ug/l	97
42) Vinyl Acetate	3.83	43	512620	98.69	ug/l	98
43) Ethyl Acetate	4.87	43	58363	22.95	ug/l	99
44) Isopropyl Acetate	6.48	43	89306	20.64	ug/l	98
45) 1,4-Dioxane	7.76	88	20998	533.92	ug/l	99
46) Methyl methacrylate	7.79	41	47343	21.03	ug/l	91
47) n-amyl Acetate	10.90	43	78836	18.99	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	56830	18.76	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	51004	17.58	ug/l	91
50) 1,1,2-Trichloroethane	9.22	97	41900	20.71	ug/l	96
51) Ethyl methacrylate	9.19	69	59028	20.48	ug/l	97
52) 1,3-Dichloropropane	9.38	76	67369	20.60	ug/l	100
53) Dibromochloromethane	9.59	129	42131	18.87	ug/l	98
54) 1,2-Dibromoethane	9.68	107	44061	20.35	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	147876	104.72	ug/l	99
56) Bromoform	10.87	173	33037	18.08	ug/l #	98
58) 4-Methyl-2-Pentanone	8.66	43	311159	115.37	ug/l	98
59) 2-Hexanone	9.51	43	235911	112.27	ug/l	97
61) Tetrachloroethene	9.34	164	57018	22.90	ug/l	88
62) Toluene	8.79	91	171770	19.67	ug/l	99
64) Chlorobenzene	10.14	112	115323	19.57	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.23	131	42960	19.97	ug/l	96
66) Ethyl Benzene	10.26	91	186664	19.15	ug/l	98
67) m/p-Xylenes	10.37	106	149331	38.57	ug/l	97
68) o-Xylene	10.71	106	72489	19.37	ug/l	98
69) Styrene	10.72	104	118174	18.97	ug/l	100
70) Isopropylbenzene	11.02	105	194494	19.14	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	60491	20.29	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	58277m	21.84	ug/l	
73) Bromobenzene	11.26	156	56677	19.19	ug/l	95
74) n-propylbenzene	11.37	91	215221	18.75	ug/l	98
75) 2-Chlorotoluene	11.43	91	131959	19.05	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	166033	19.17	ug/l	68
77) t-1,4-Dichloro-2-butene	11.08	75	13410	16.89	ug/l	79
78) 4-Chlorotoluene	11.52	91	152398	18.44	ug/l	98
79) tert-butylbenzene	12.07	119	176116	19.01	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	170054	19.29	ug/l	99
81) sec-Butylbenzene	11.95	105	192890	19.18	ug/l	98
82) p-Isopropyltoluene	12.07	119	176116	19.01	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	100622	18.68	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	102239	18.62	ug/l	98
85) n-Butylbenzene	12.40	91	144189	17.99	ug/l	99
86) Hexachloroethane	12.60	117	24666	17.42	ug/l	72
87) 1,2-Dichlorobenzene	12.40	146	104377	19.49	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	12686	20.36	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	74673	18.40	ug/l	98
90) Hexachlorobutadiene	13.79	225	39694	21.07	ug/l	98
91) Naphthalene	13.84	128	220405	20.94	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	78862	19.69	ug/l	96

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0502WBSD03

Manual Integrations
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Quant Time: May 03 05:15:00 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 01 09:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

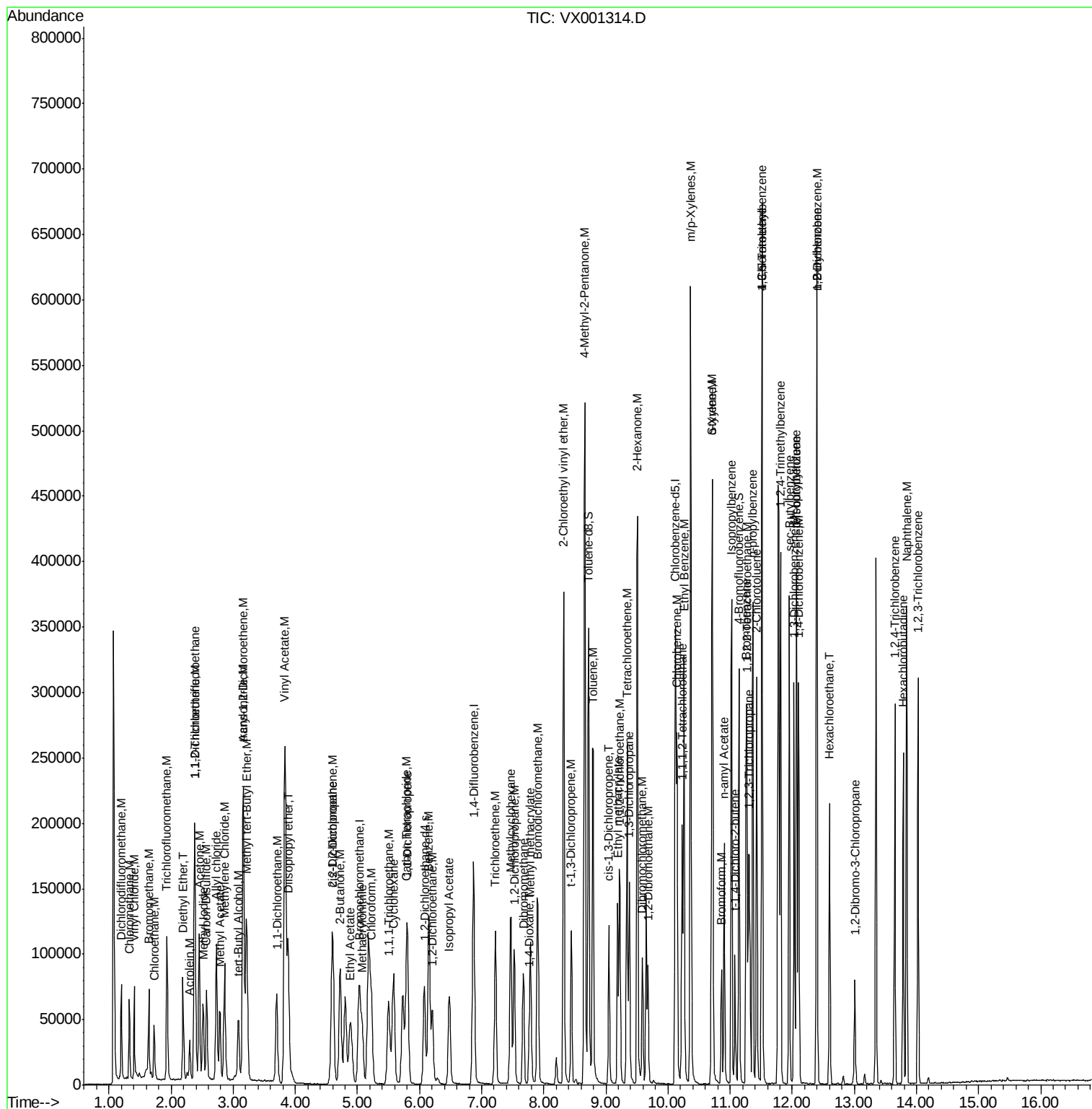
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Data File : VX001314.D
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Sample : VX0502WBSD03
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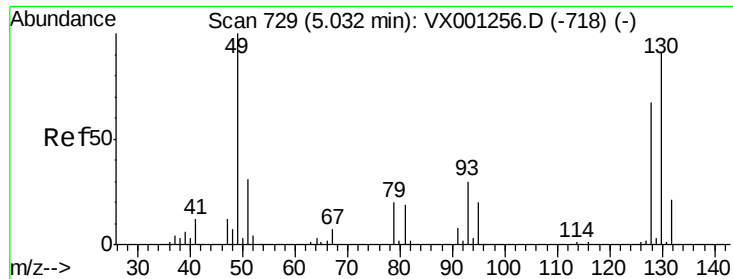
Instrument :
MSVOA_X
Client Sample ID :
VX0502WBSD03

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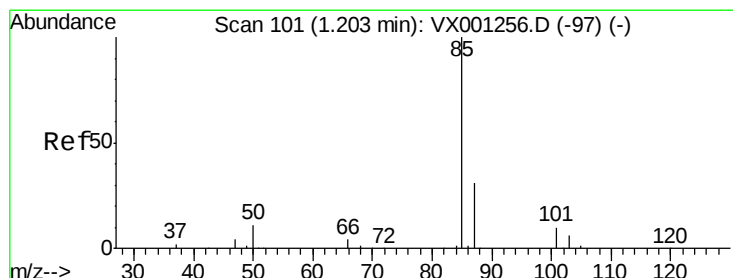
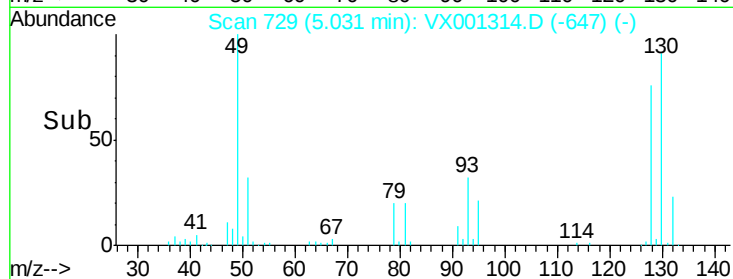
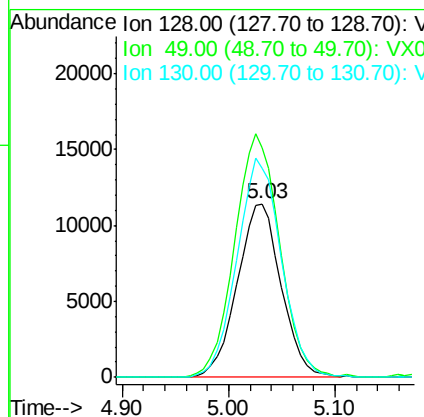
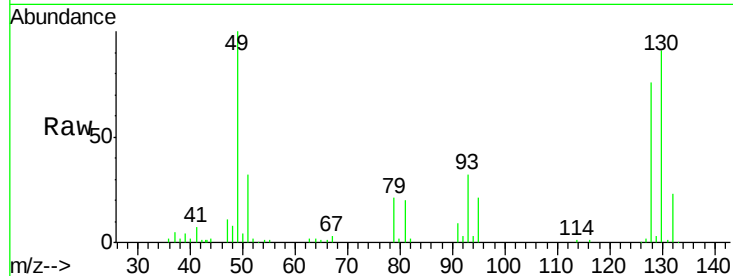
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
128	100		
49	144.7	0.0	378.3
130	128.1	0.0	324.3

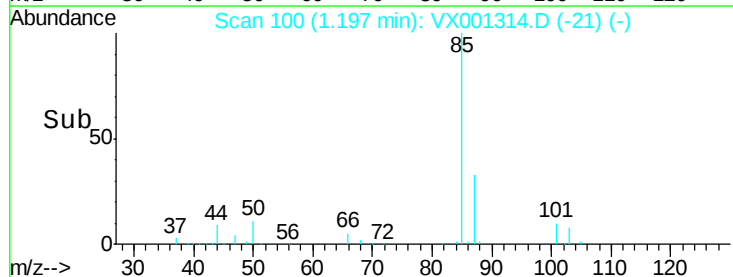
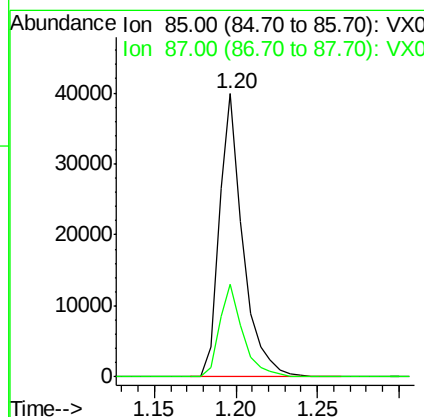
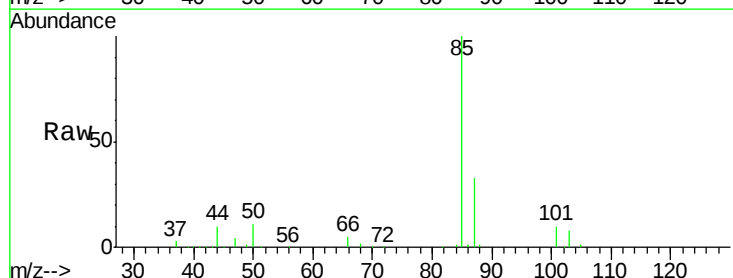
Manual Integrations
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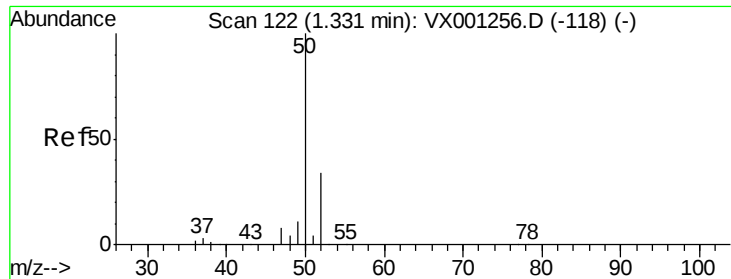
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#2
 Dichlorodifluoromethane
 Concen: 18.69 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.6	49.7





#3

Chloromethane

Concen: 18.67 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD03

Tot Ion: 50 Resp: 37643

Ion Ratio Lower Upper

50 100

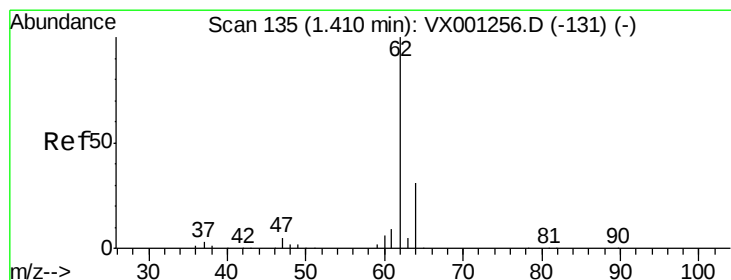
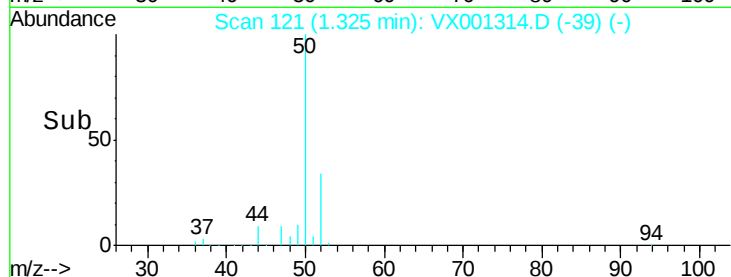
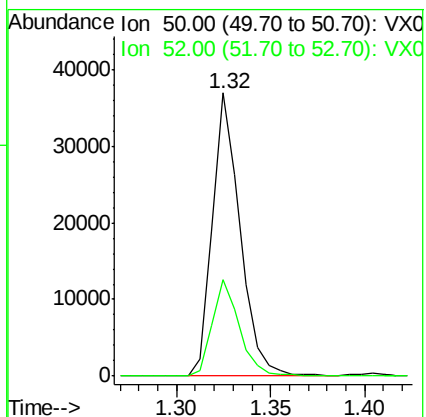
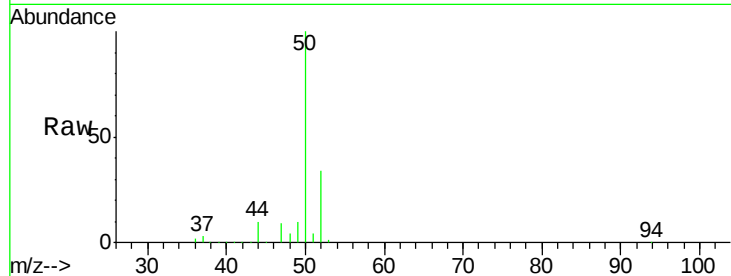
52 34.0 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.98 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001314.D

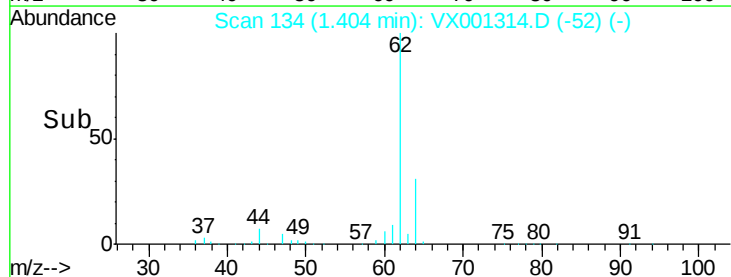
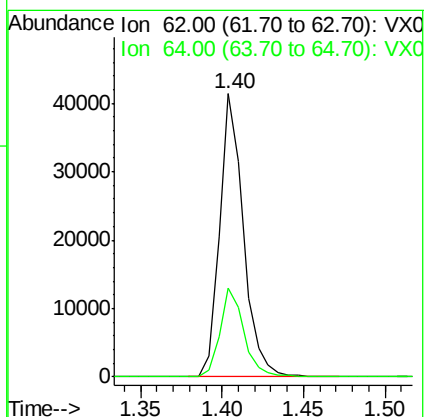
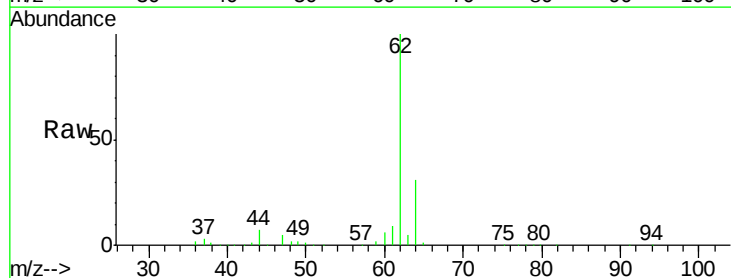
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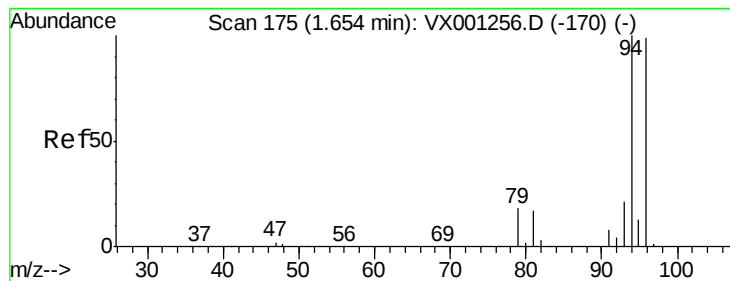
Tgt Ion: 62 Resp: 42254

Ion Ratio Lower Upper

62 100

64 31.3 26.0 39.0





#5

Bromomethane

Concen: 18.93 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Tot Ion: 94 Resp: 30239

Ion Ratio Lower Upper

94 100

96 94.5 76.2 114.2

Instrument :

MSVOA_X

ClientSampleId :

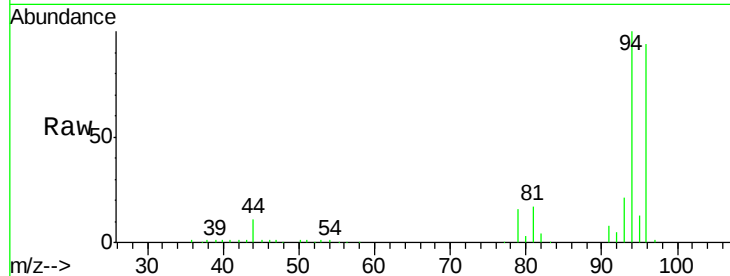
VX0502WBSD03

Manual Integrations

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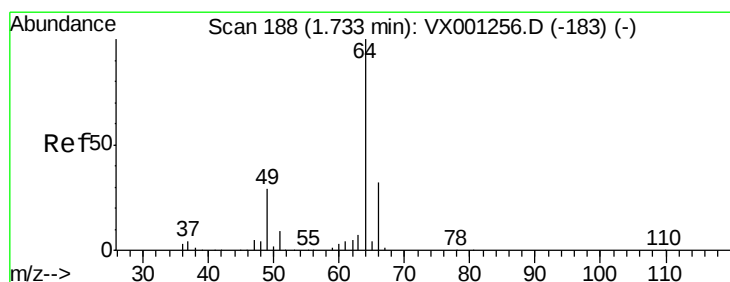
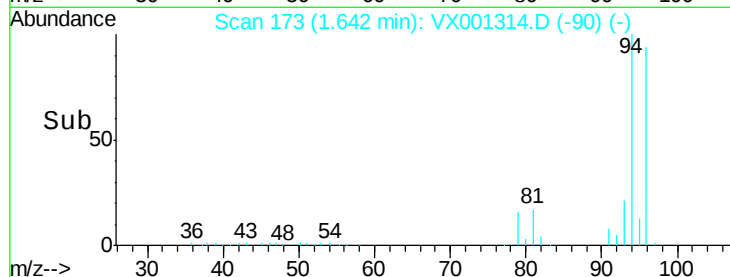
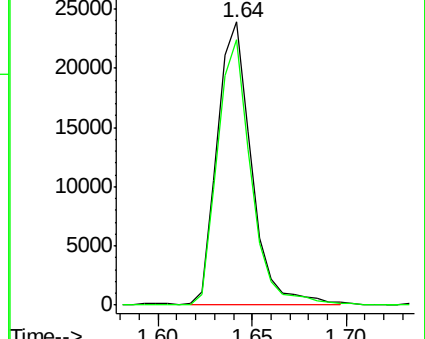
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 20.58 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001314.D

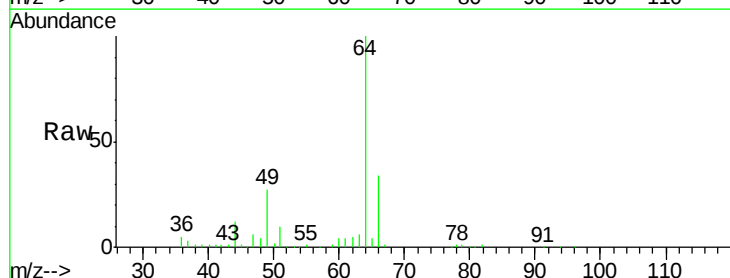
Acq: 02 May 2018 12:54

Tgt Ion: 64 Resp: 26625

Ion Ratio Lower Upper

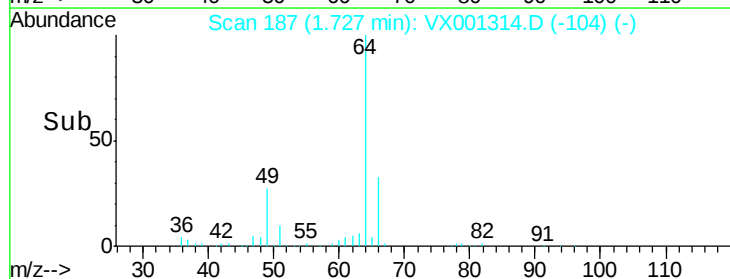
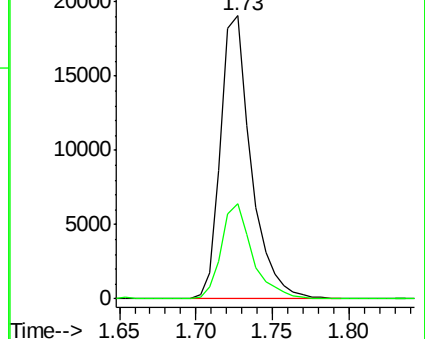
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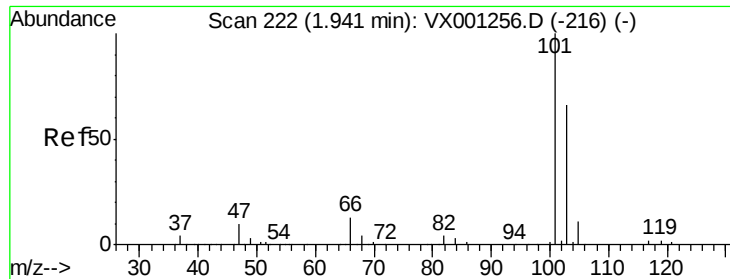
66 33.8 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

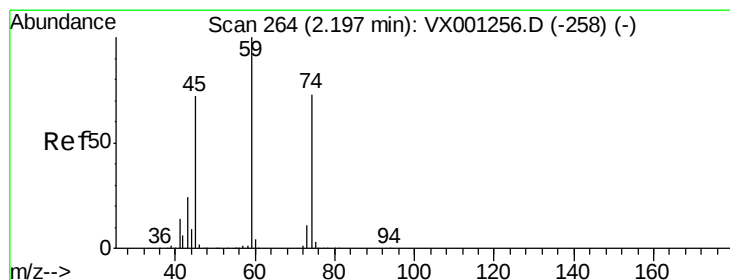
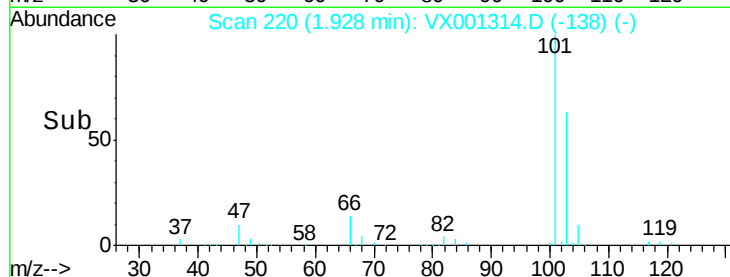
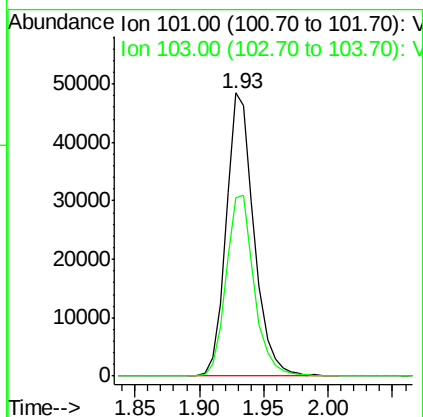
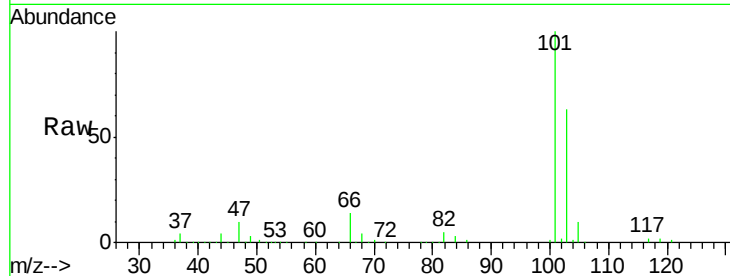
Trichlorofluoromethane
Concen: 20.82 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.2	78.4

Manual Integrations
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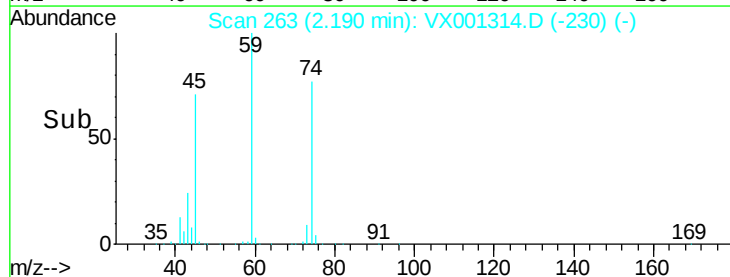
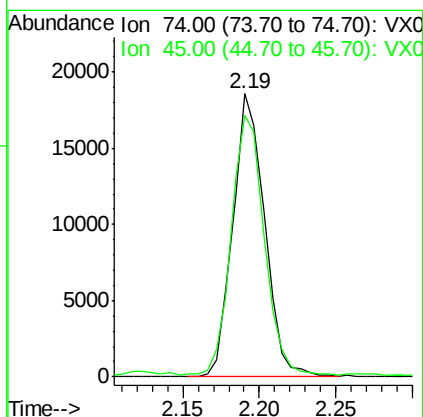
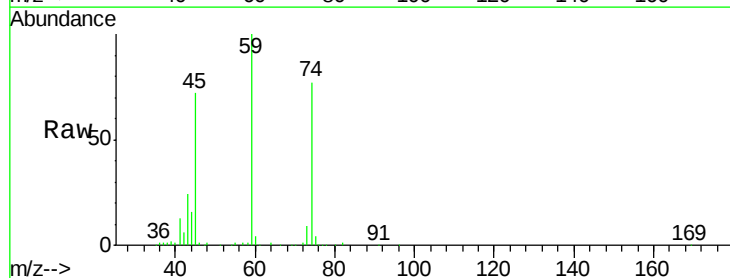
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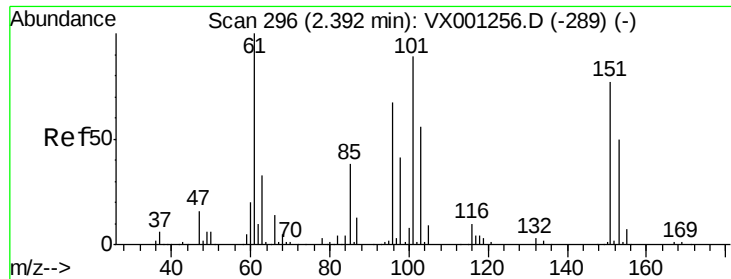


#8

Diethyl Ether
Concen: 22.00 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	17.8	159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.35 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

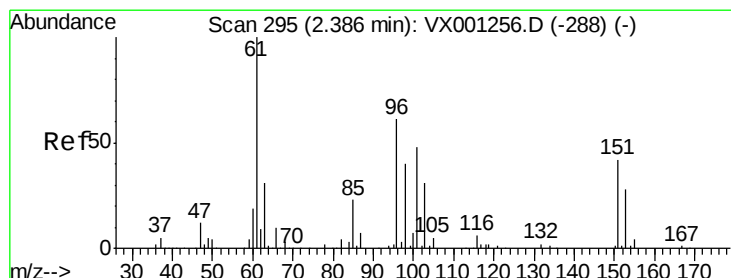
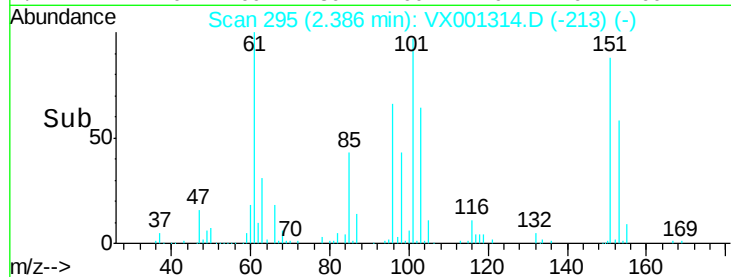
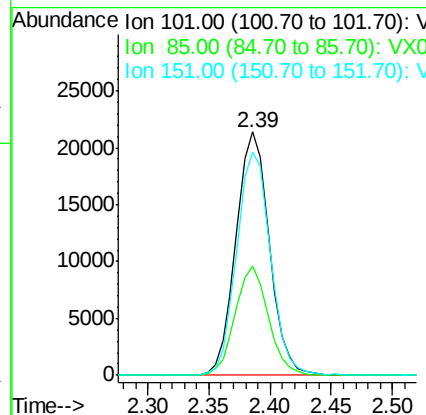
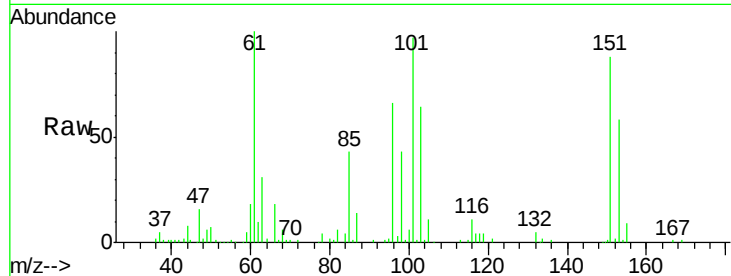
ClientSampleId :

VX0502WBSD03

Tot Ion:	101	Resp:	40527
Ion Ratio	Lower	Upper	
101	100		
85	44.4	0.0	90.4
151	92.8	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 20.21 ug/l

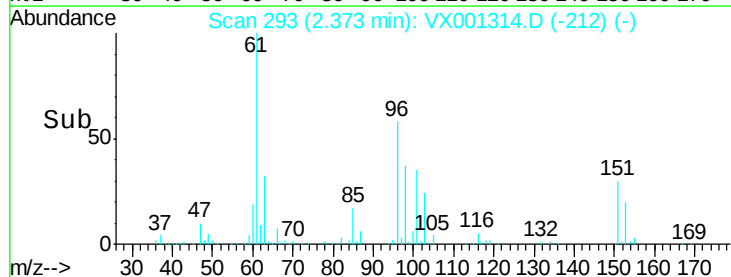
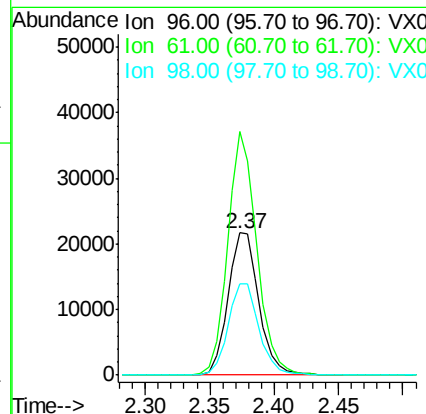
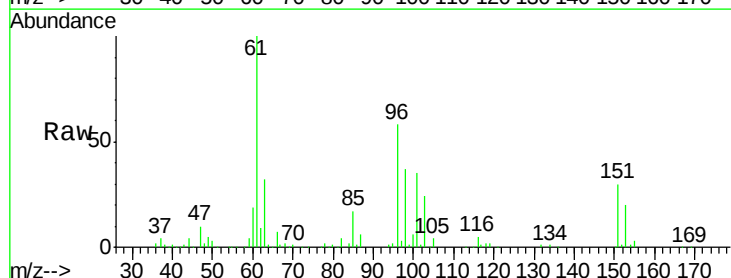
RT: 2.37 min Scan# 293

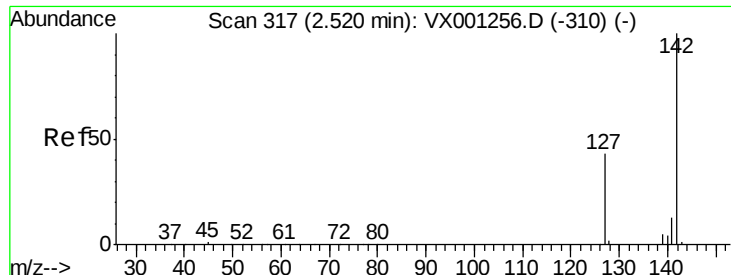
Delta R.T. -0.01 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Tgt Ion:	96	Resp:	36466
Ion Ratio	Lower	Upper	
96	100		
61	171.0	118.6	178.0
98	63.7	51.0	76.6





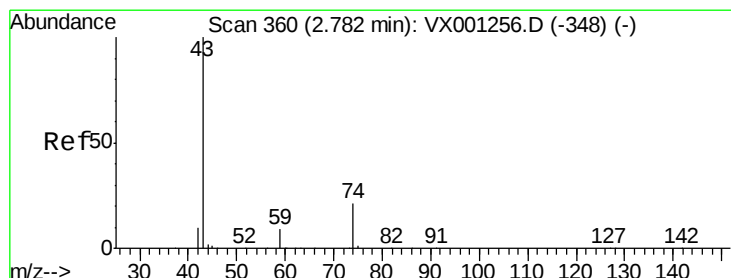
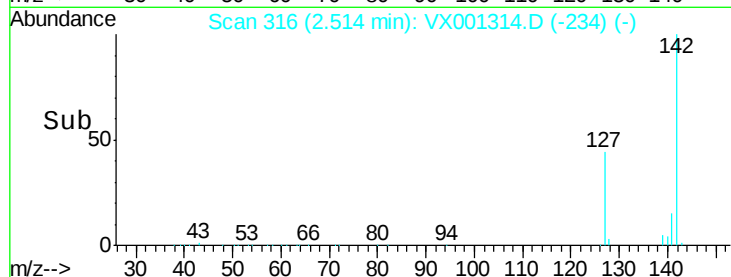
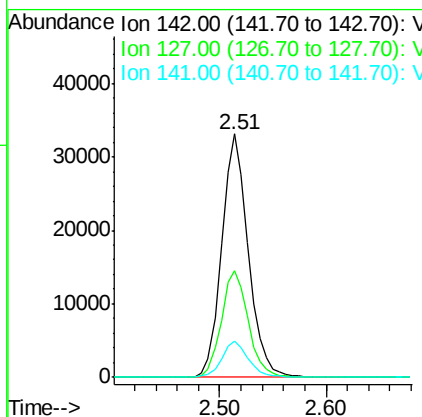
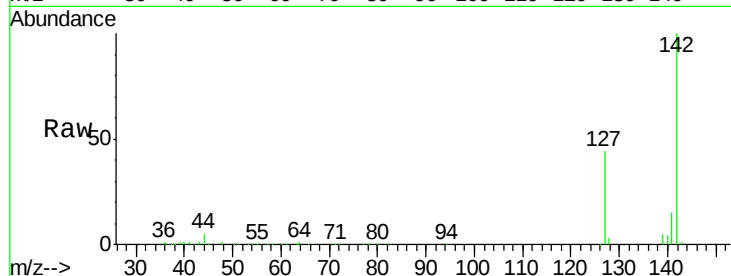
#11
Methvl Iodide
Concen: 26.20 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.6	23.8	71.5
141	14.8	8.2	24.4

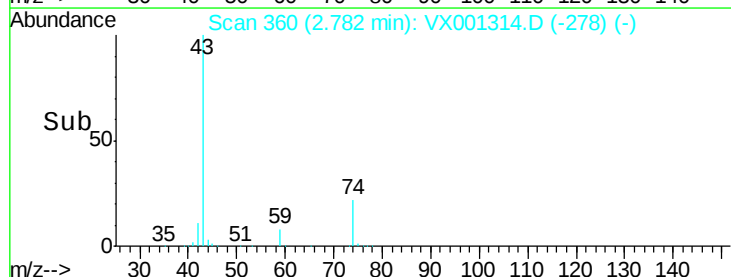
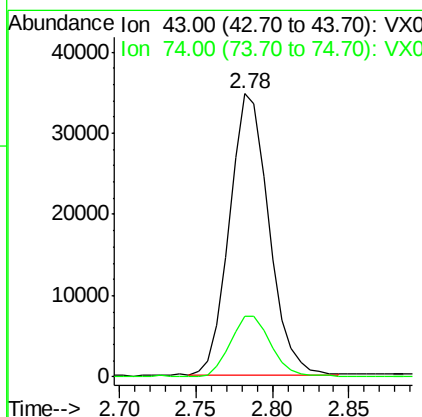
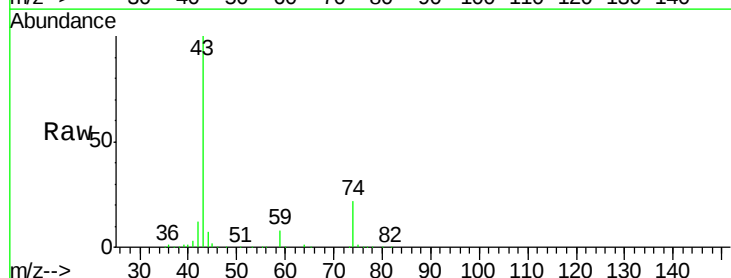
Manual Integrations
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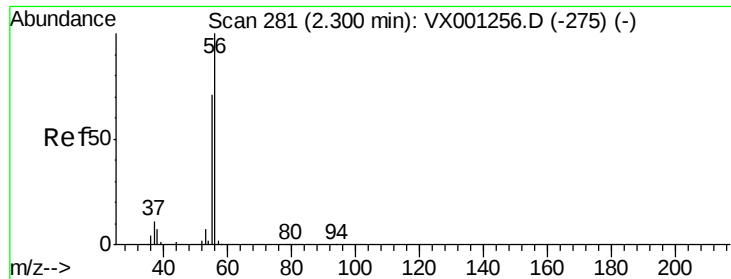
MMDadoda
5/3/2018 12:21:17 PM



#12
Methyl Acetate
Concen: 25.97 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	18.6	27.8





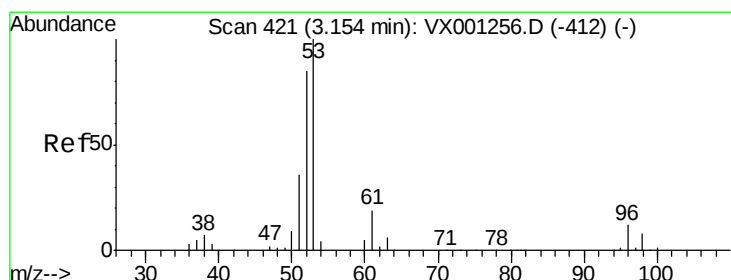
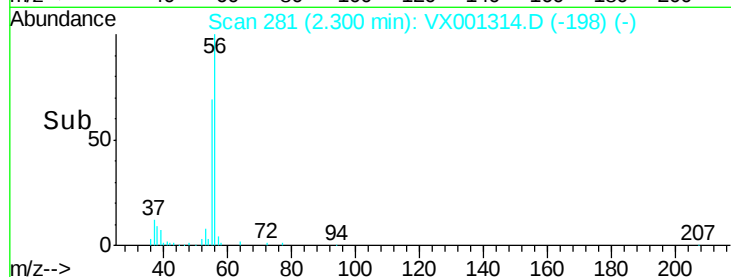
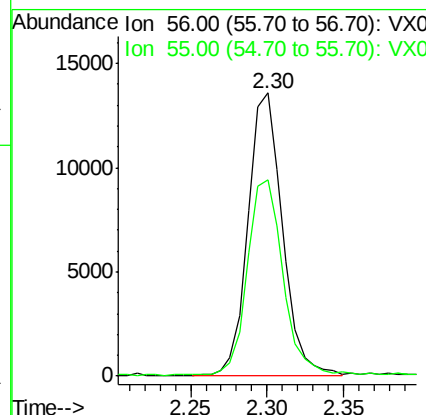
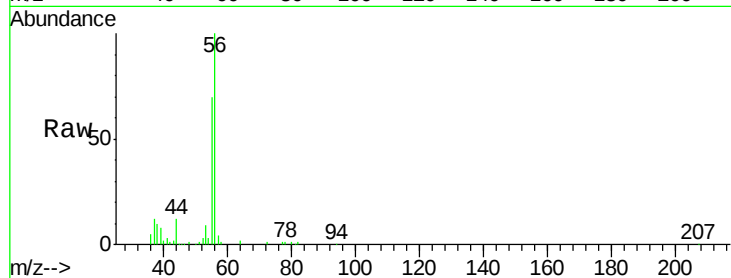
#13
Acrolein
Concen: 75.43 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.1	57.3	85.9	

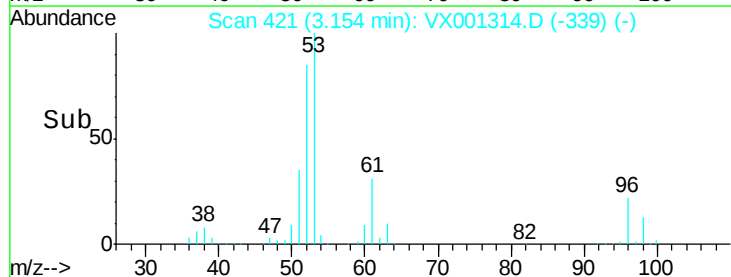
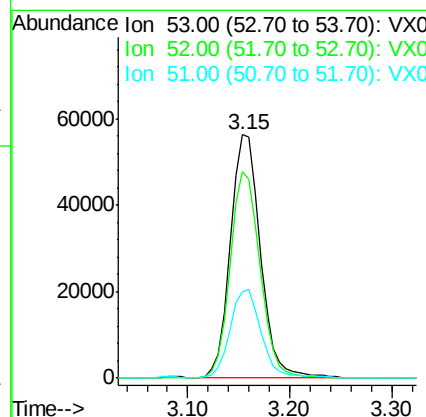
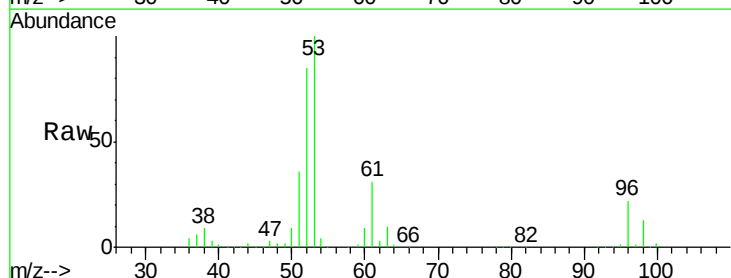
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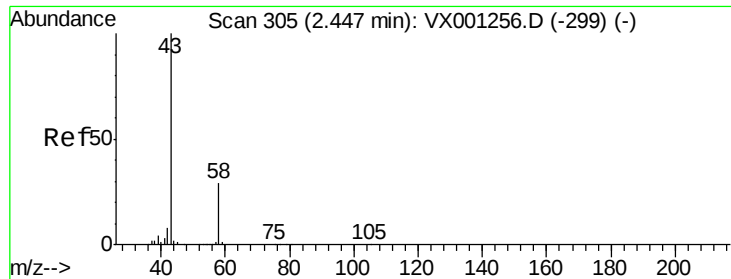
MMDadoda
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#14
Acrylonitrile
Concen: 121.30 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	84.5	41.9	125.8	
51	38.3	18.8	56.3	





#15

Acetone

Concen: 113.48 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD03

Tot Ion: 58 Resp: 33340

Ion Ratio Lower Upper

58 100

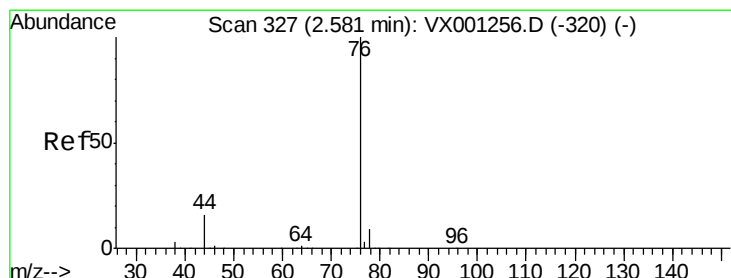
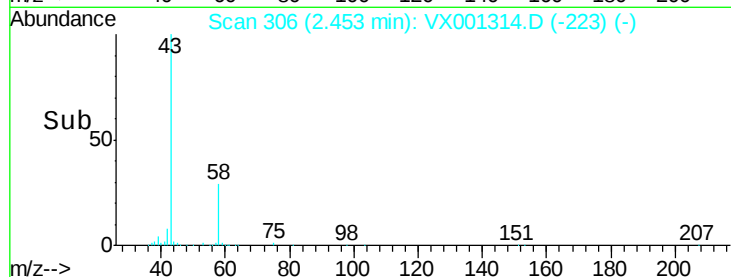
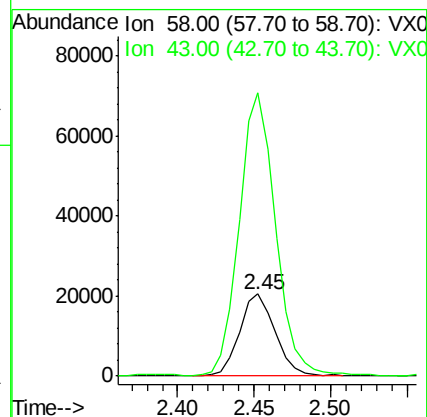
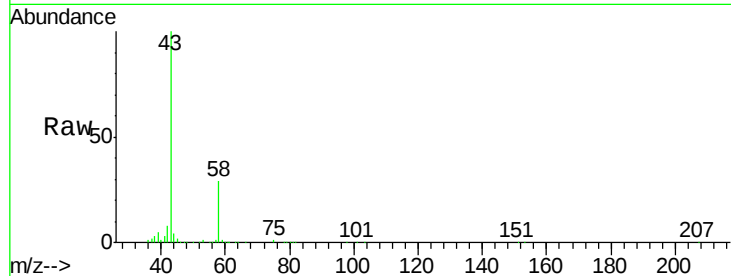
43 345.5 264.6 396.8

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.50 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001314.D

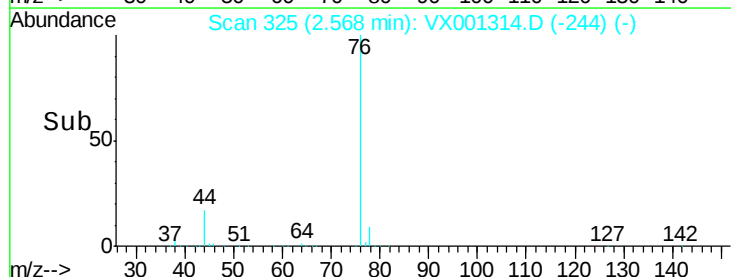
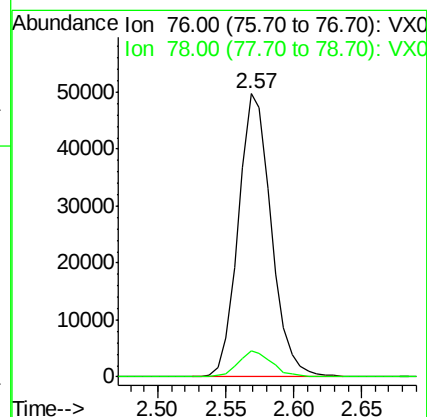
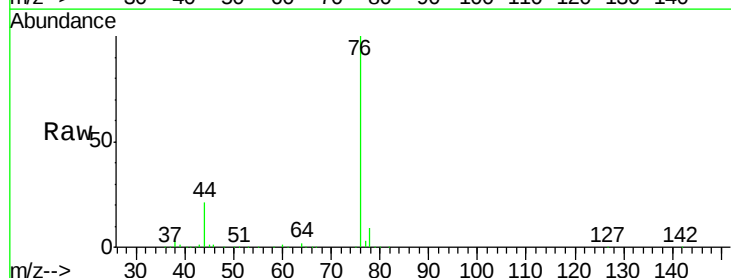
Acq: 02 May 2018 12:54

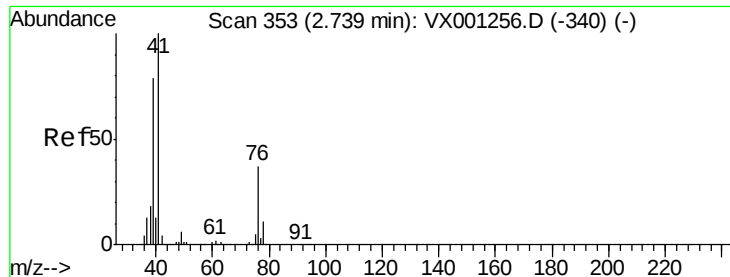
Tgt Ion: 76 Resp: 84001

Ion Ratio Lower Upper

76 100

78 9.1 6.8 10.2





#17

Allvl chloride

Concen: 20.85 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

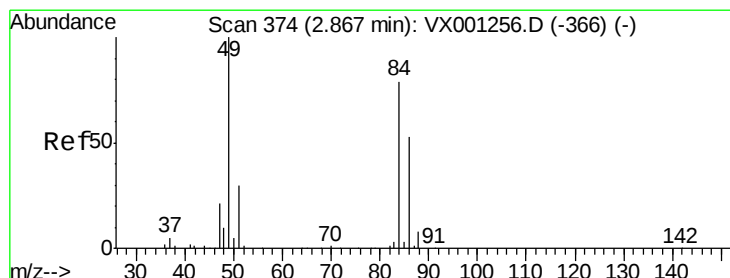
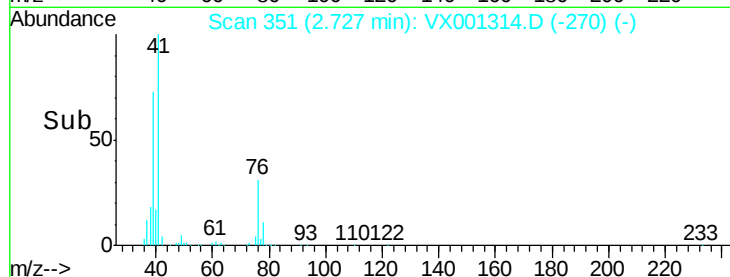
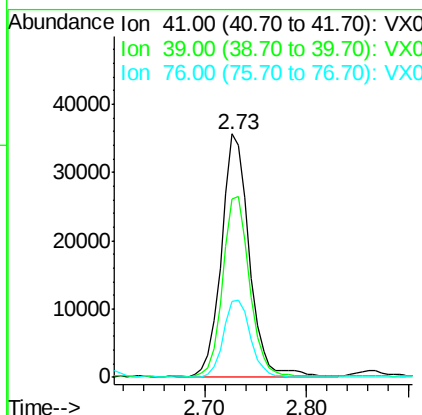
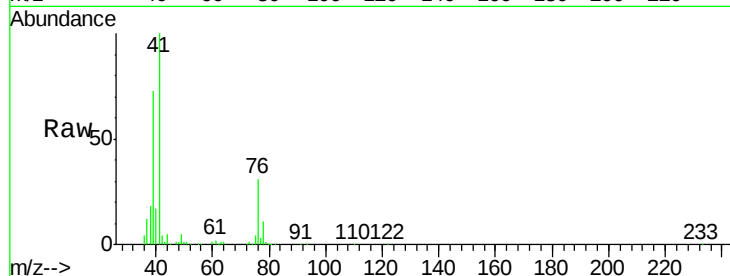
ClientSampleId :

VX0502WBSD03

Tot Ion:	41	Resp:	66764
Ion	Ratio	Lower	Upper
41	100		
39	73.2	38.5	115.5
76	31.2	18.7	56.1

Manual Integrations
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#18

Methylene Chloride

Concen: 21.24 ug/l

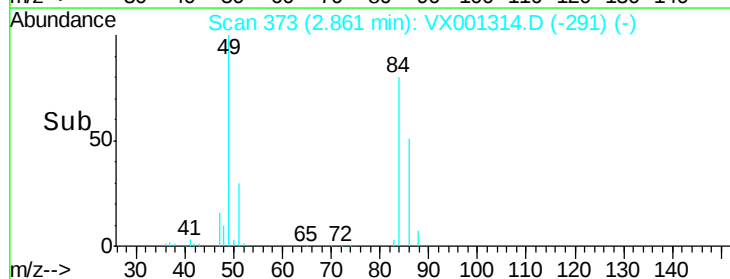
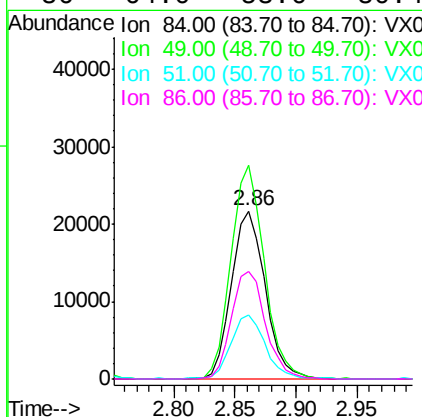
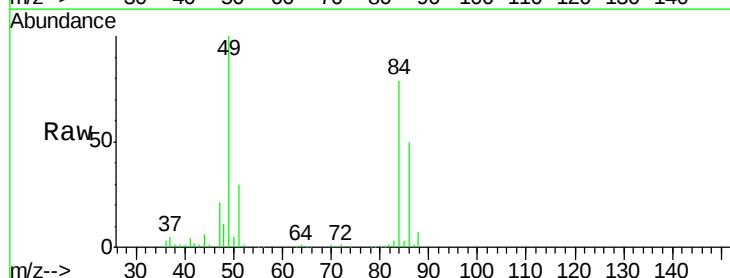
RT: 2.86 min Scan# 373

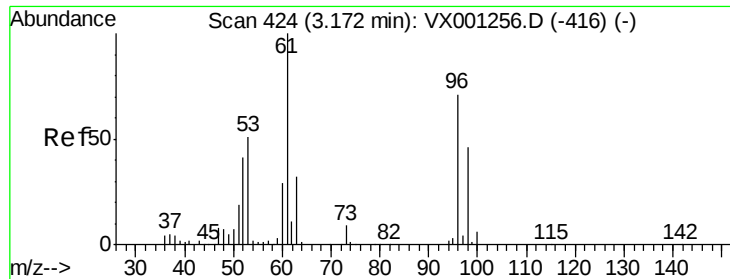
Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Tgt Ion:	84	Resp:	41768
Ion	Ratio	Lower	Upper
84	100		
49	127.0	103.3	154.9
51	37.9	31.2	46.8
86	64.0	53.6	80.4





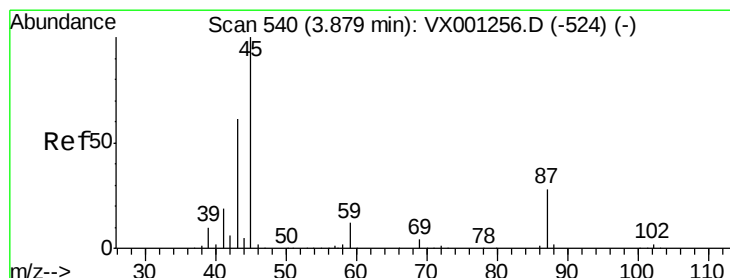
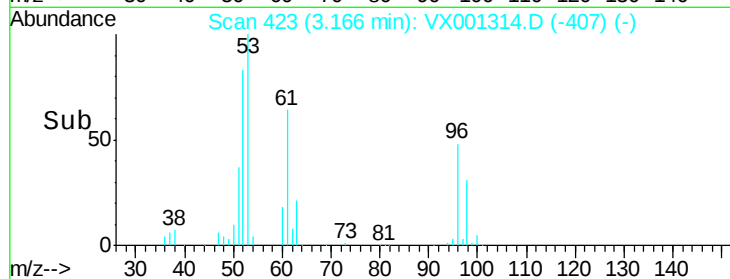
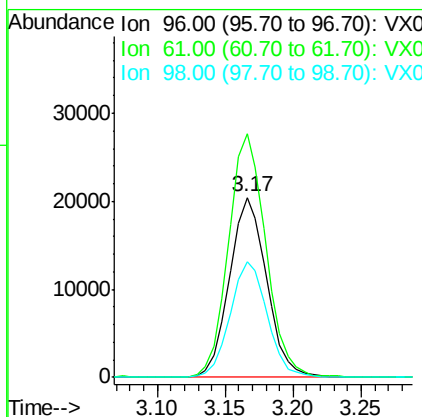
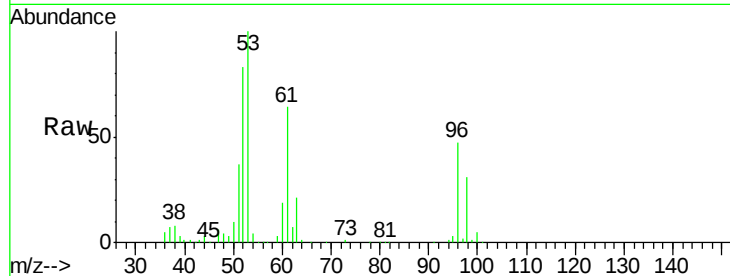
#19
trans-1,2-Dichloroethene
Concen: 20.04 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	135.0	101.0	151.6
98	98	64.3	53.3	79.9

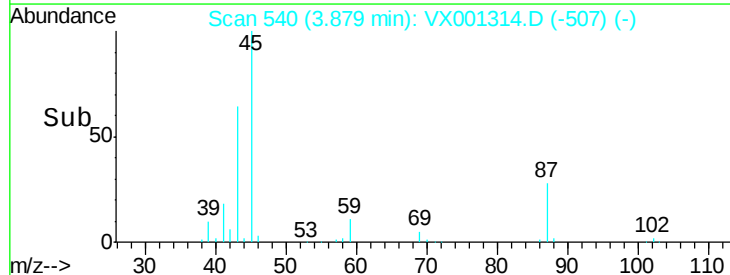
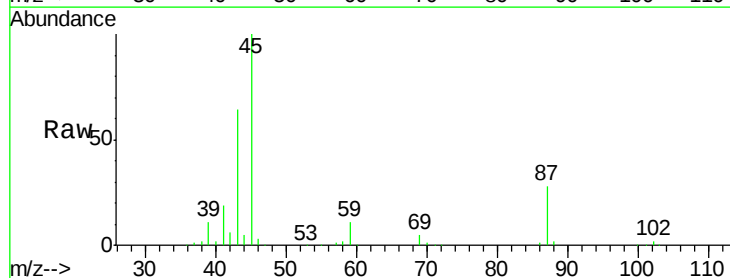
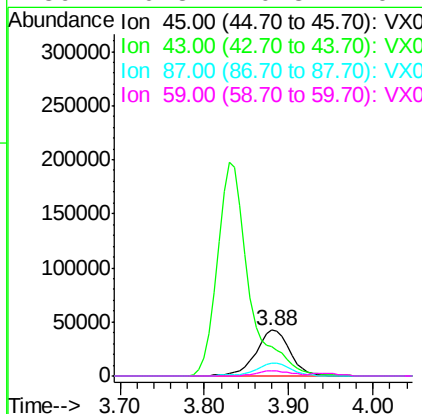
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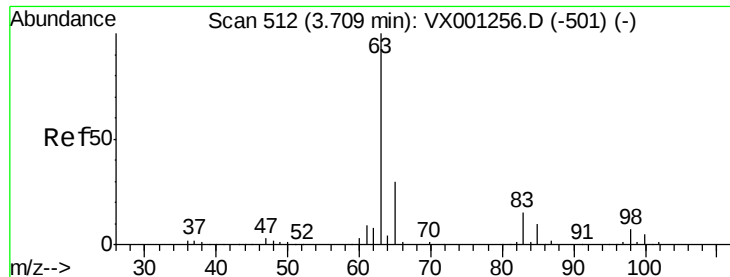
MMDadoda
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#20
Diisopropyl ether
Concen: 18.75 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
45	45	100		
43	43	63.1	49.6	74.4
87	87	28.1	23.1	34.7
59	59	10.8	10.8	16.2#





#21

1,1-Dichloroethane

Concen: 21.56 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

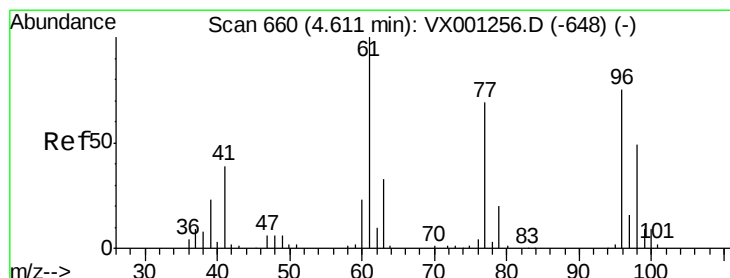
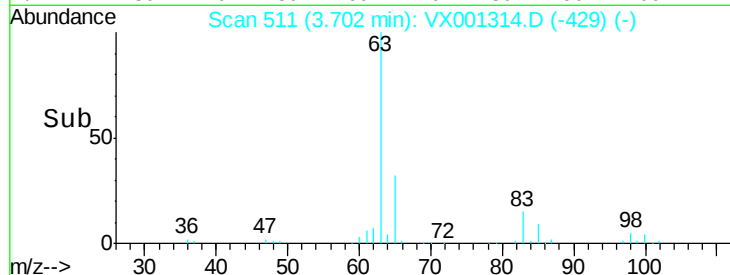
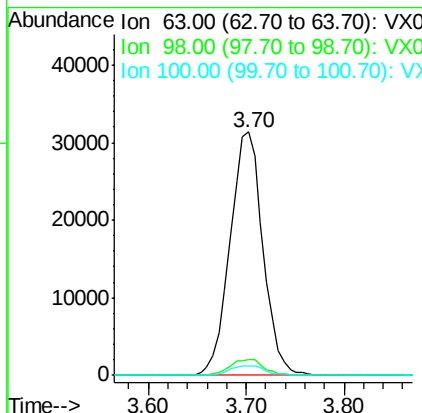
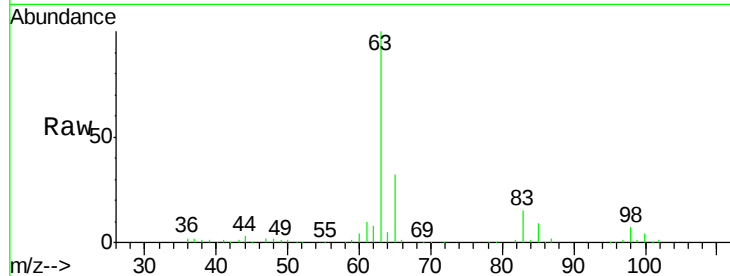
ClientSampleId :

VX0502WBSD03

Tot Ion:	63	Resp:	72998
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.9
100	4.1	2.1	6.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.30 ug/l

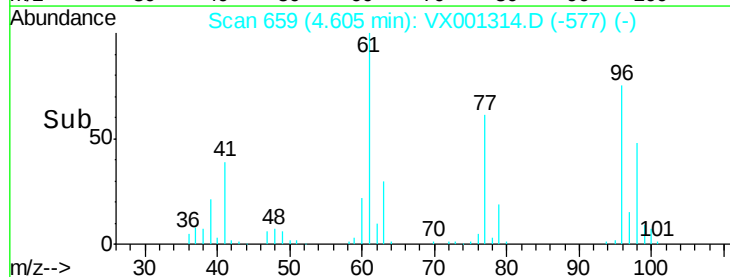
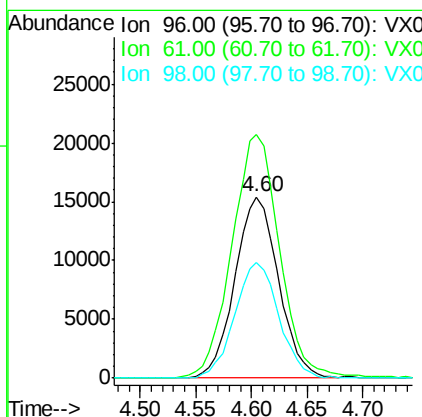
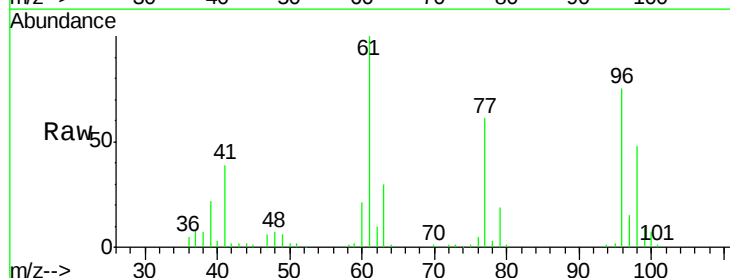
RT: 4.60 min Scan# 659

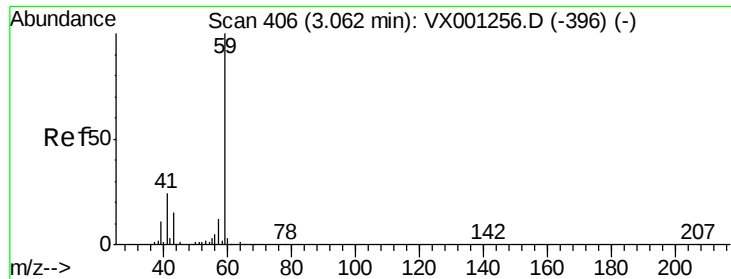
Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Tgt Ion:	96	Resp:	41930
Ion	Ratio	Lower	Upper
96	100		
61	147.4	113.5	170.3
98	64.4	51.8	77.8





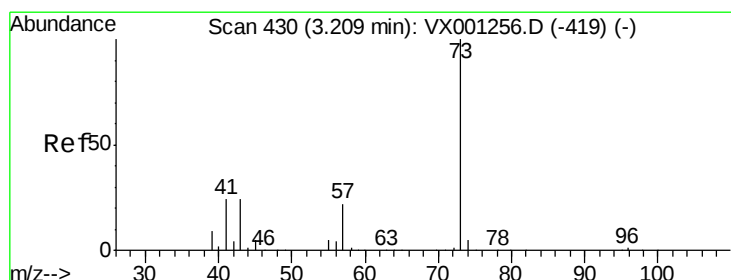
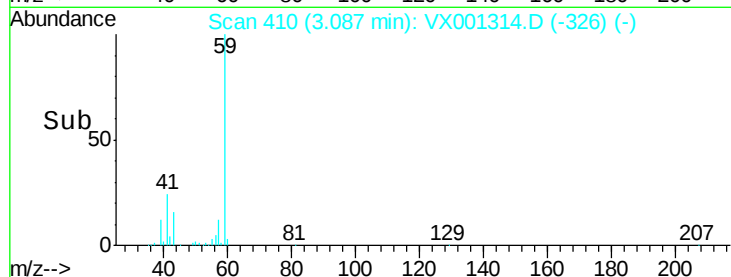
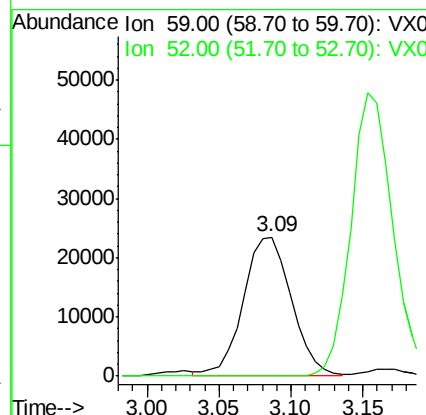
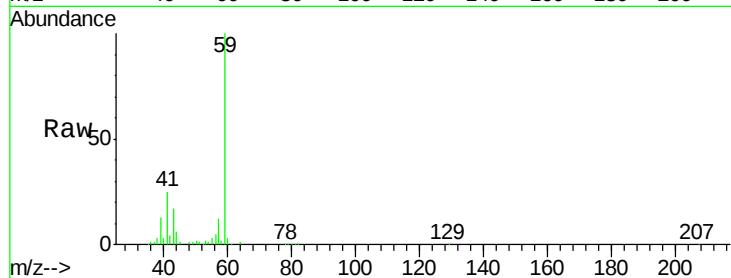
#23
tert-Butyl Alcohol
Concen: 141.80 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion: 59 Resp: 54718
Ion Ratio Lower Upper
59 100
52 0.1 0.1 0.1#

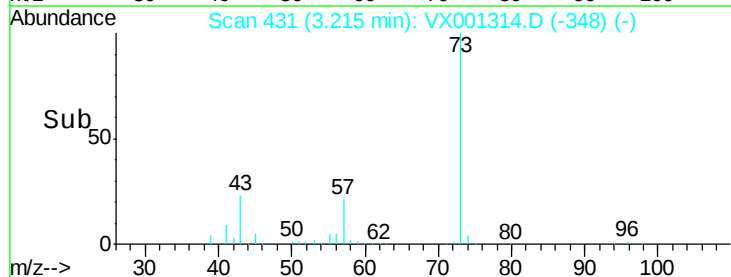
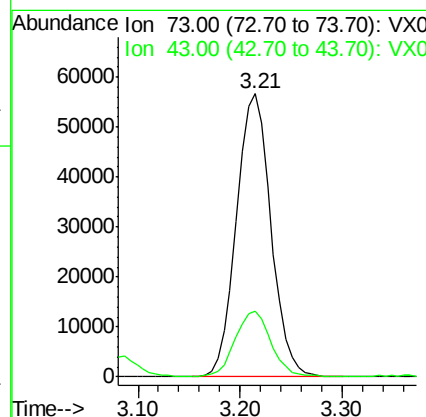
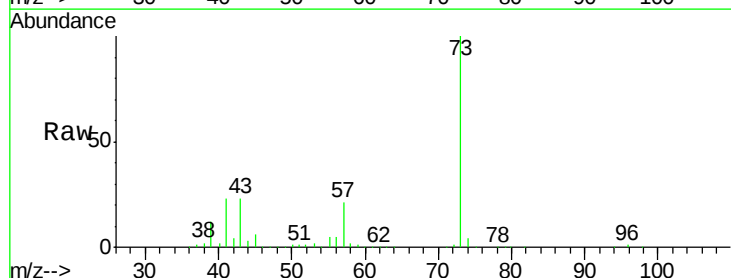
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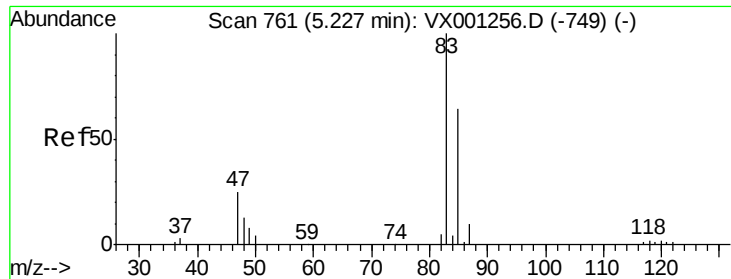
MMDadoda
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#24
Methyl tert-Butyl Ether
Concen: 21.48 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion: 73 Resp: 132909
Ion Ratio Lower Upper
73 100
43 23.1 16.5 24.7





#25

Chloroform

Concen: 19.17 ug/l

RT: 5.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD03

Tot Ion: 83 Resp: 70685

Ion Ratio Lower Upper

83 100

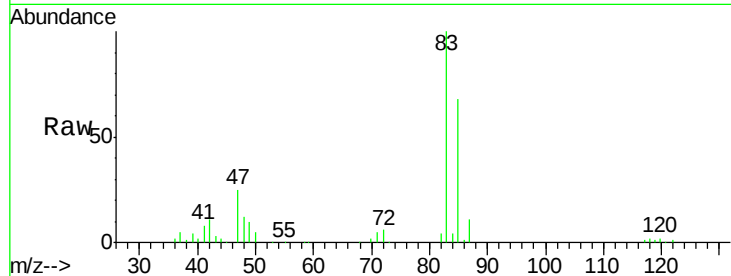
85 67.7 52.5 78.7

Manual Integrations

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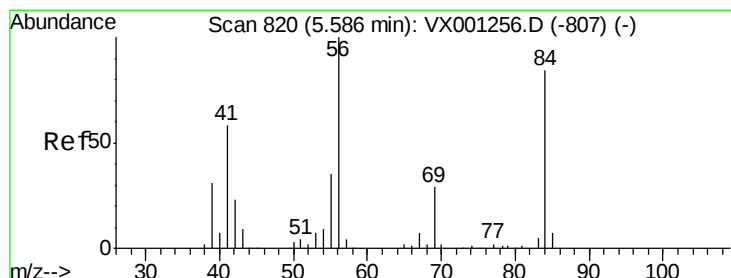
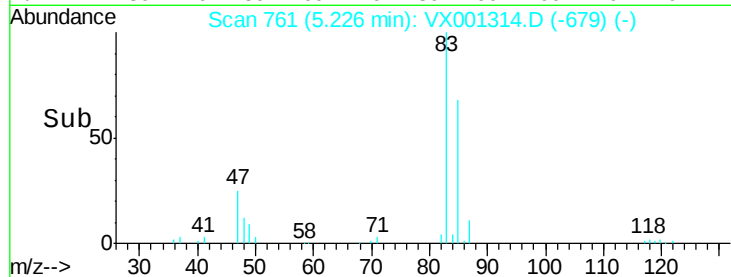
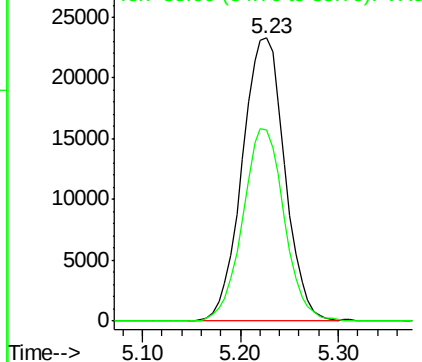
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 17.60 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

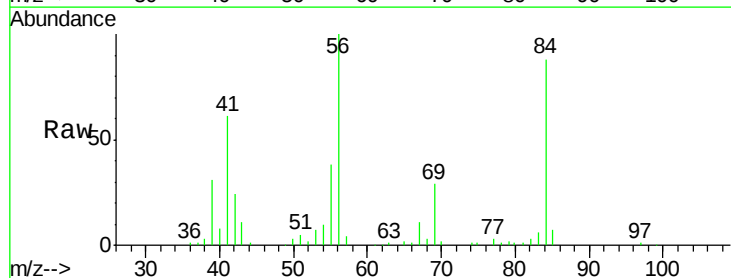
Tgt Ion: 56 Resp: 54208

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

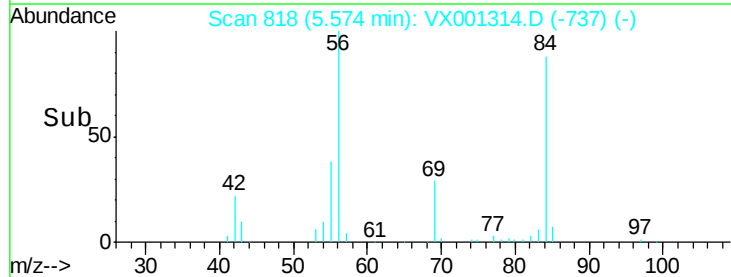
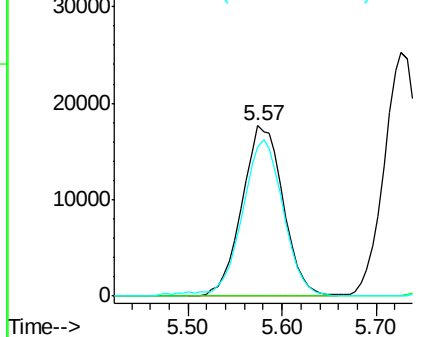
84 90.2 74.8 112.2

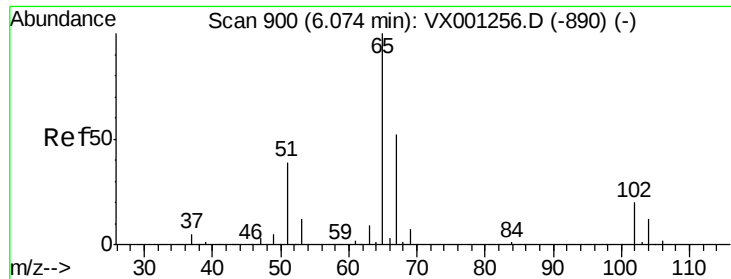


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





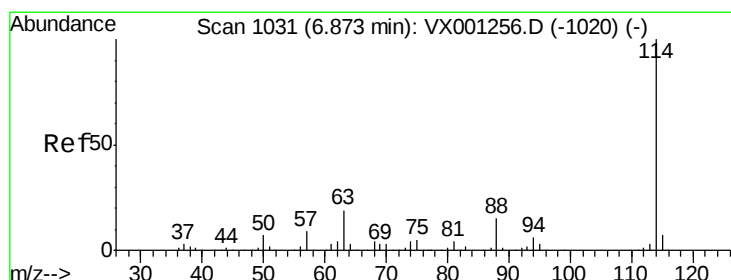
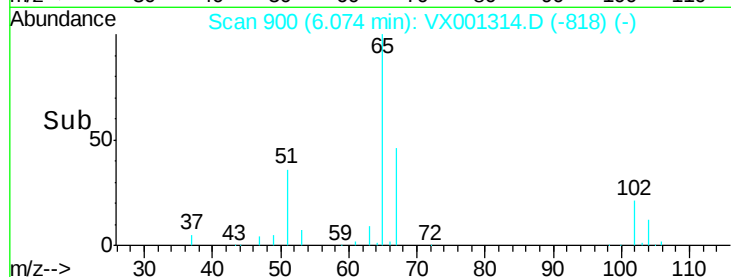
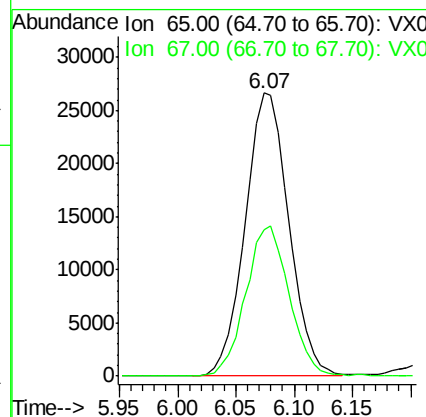
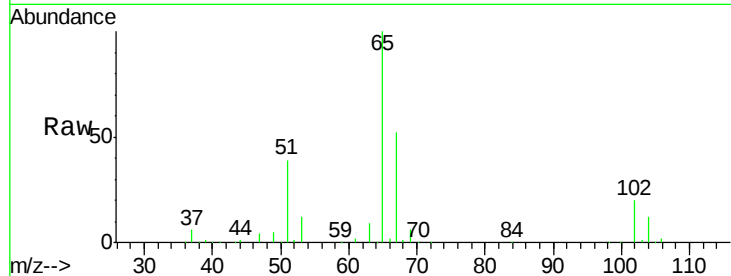
#27
 1,2-Dichloroethane-d4
 Concen: 29.26 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.4	62.2

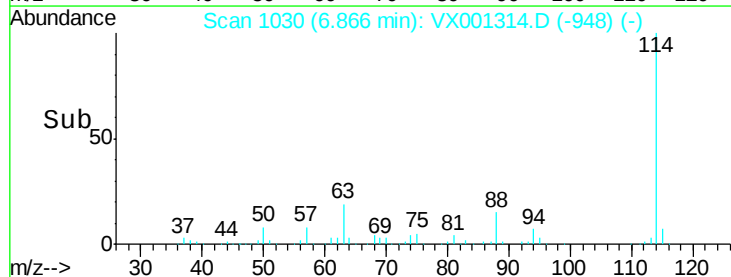
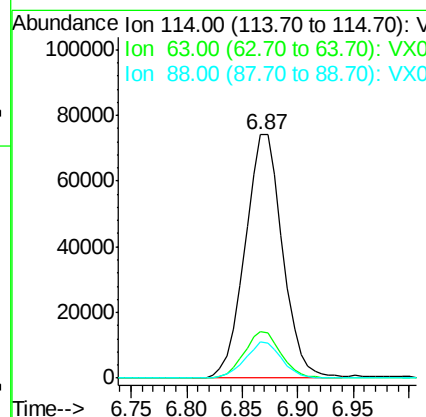
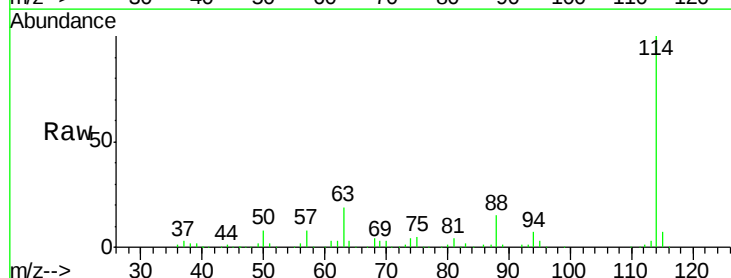
Manual Integrations
 APPROVED

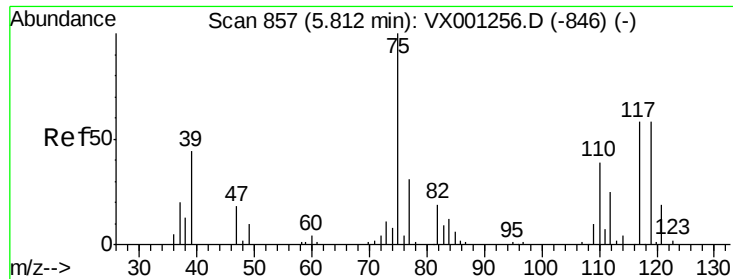
MMDadoda
 5/3/2018 12:21:17 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	15.0	22.4
88	14.5	11.8	17.8





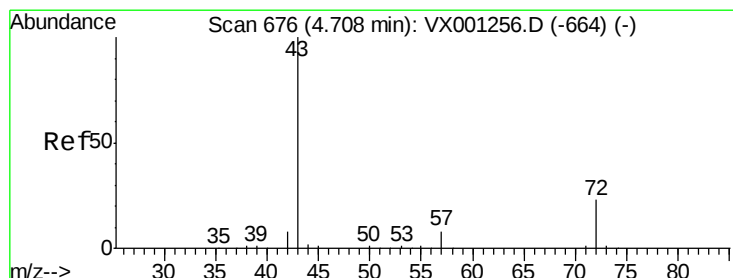
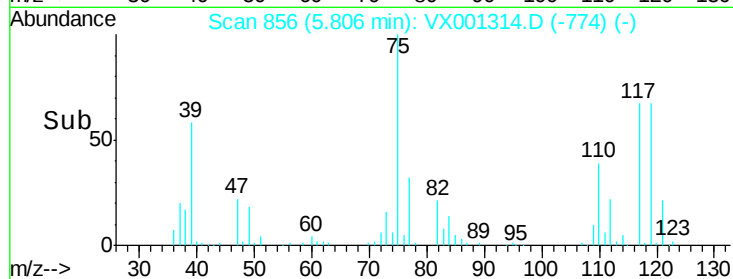
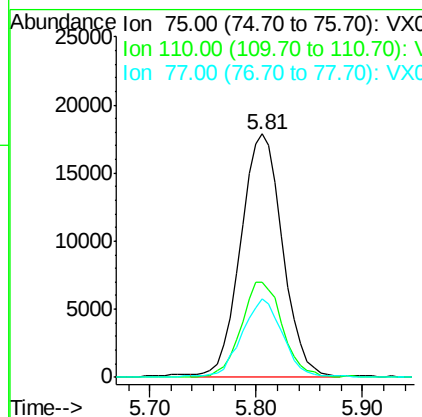
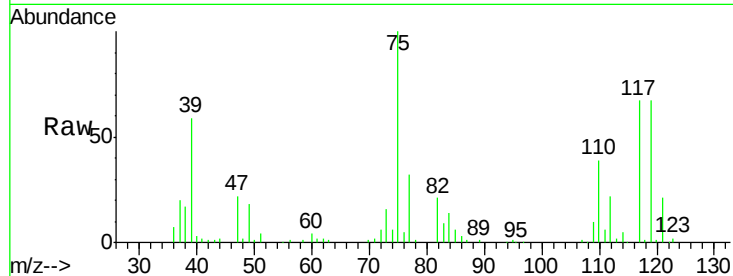
#29
 1,1-Dichloropropene
 Concen: 19.21 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.3	0.0	75.6
77	31.3	0.0	62.6

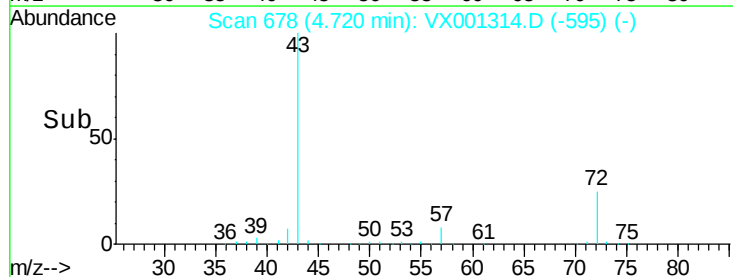
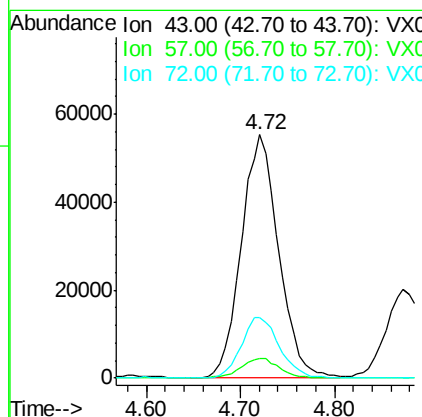
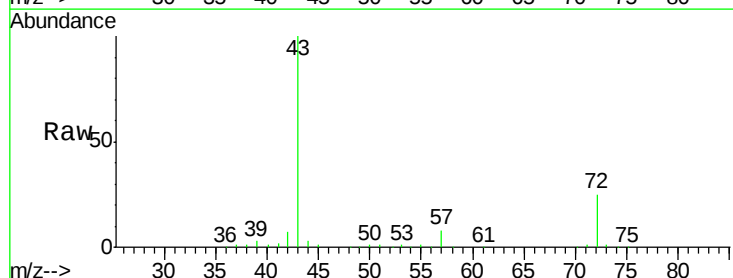
Manual Integrations
 APPROVED

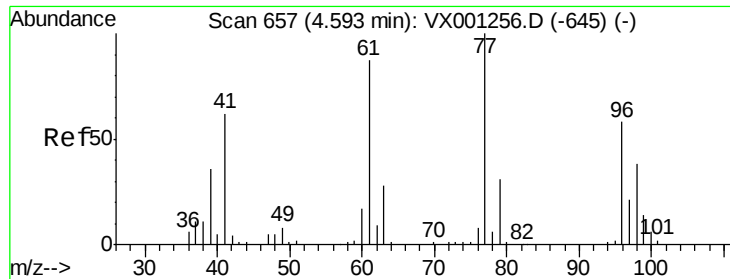
MMDadoda
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#30
 2-Butanone
 Concen: 115.81 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.6	10.0
72	25.7	21.8	32.6





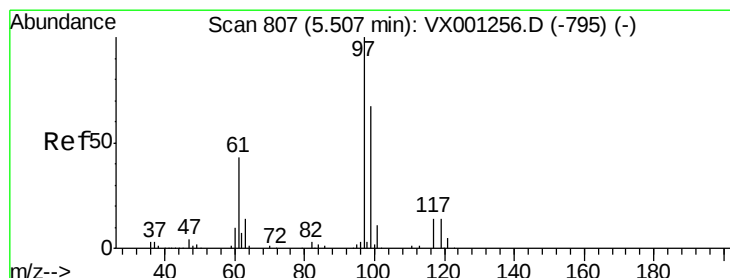
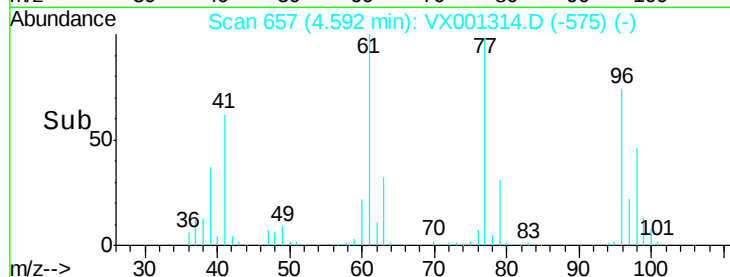
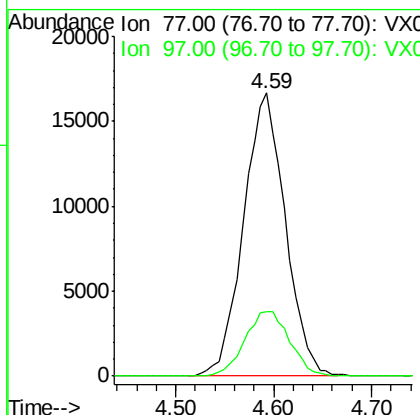
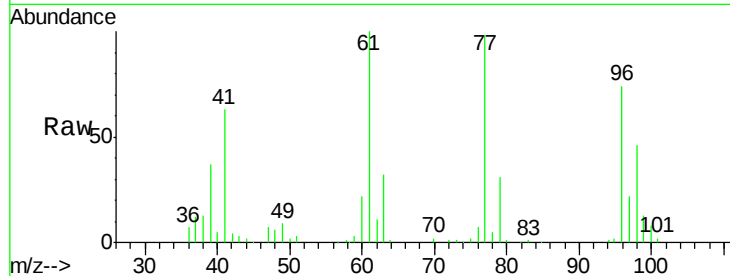
#31
 2,2-Dichloropropane
 Concen: 17.62 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion: 77 Resp: 49576
 Ion Ratio Lower Upper
 77 100
 97 24.5 18.6 27.8

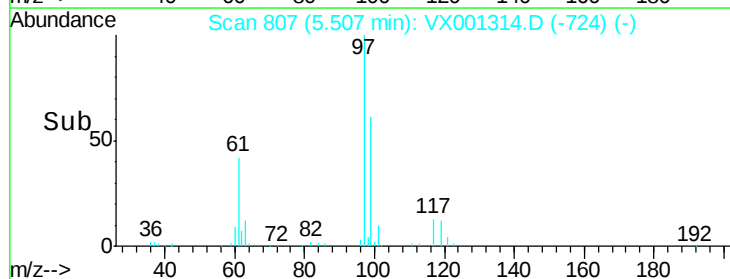
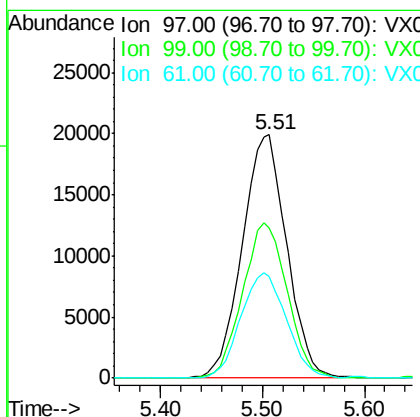
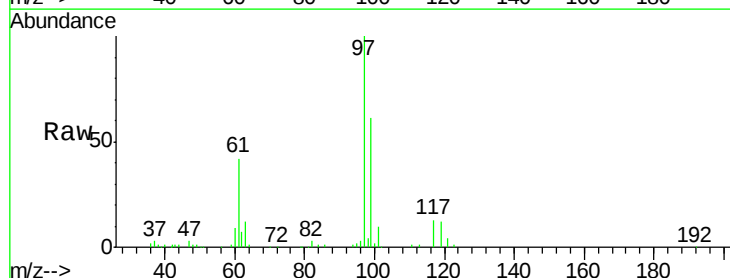
Manual Integrations
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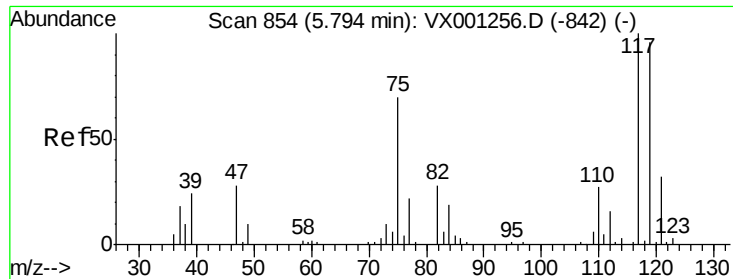
MMDadoda
 5/3/2018 12:21:17 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.29 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion: 97 Resp: 60142
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.3 78.5
 61 44.4 34.3 51.5





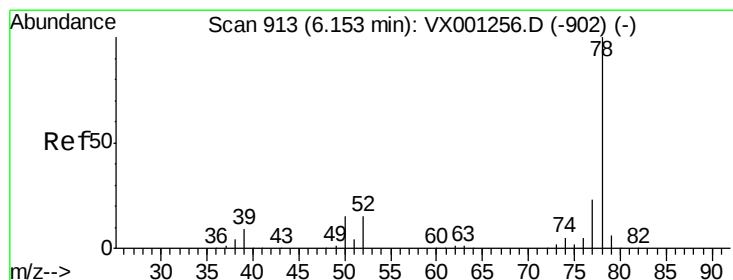
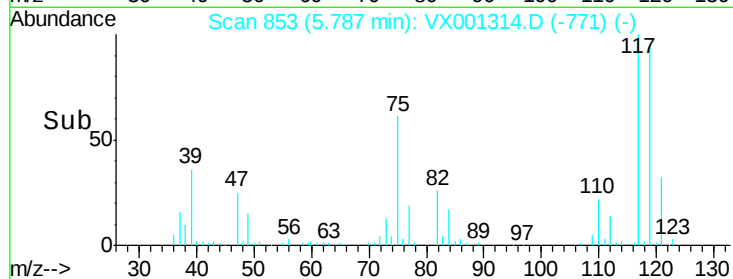
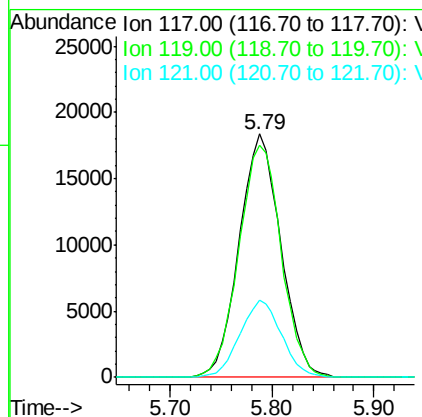
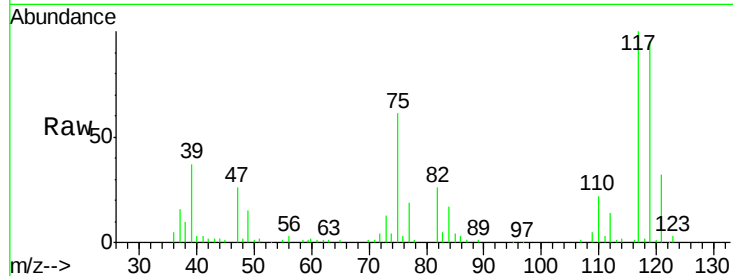
#33
Carbon Tetrachloride
Concen: 18.52 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.5	110.3
121	31.7	24.6	37.0

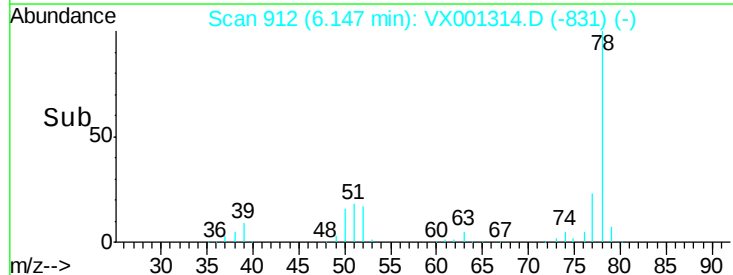
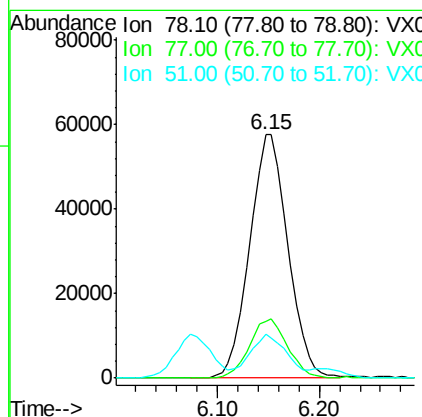
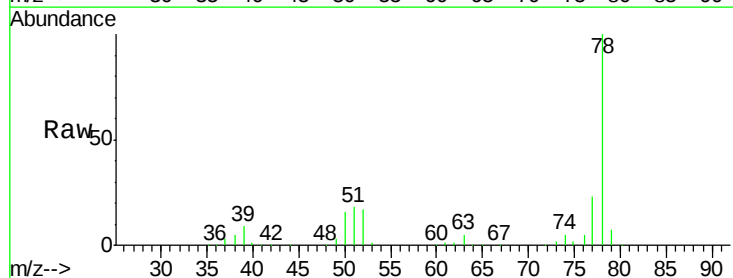
Manual Integrations
APPROVED

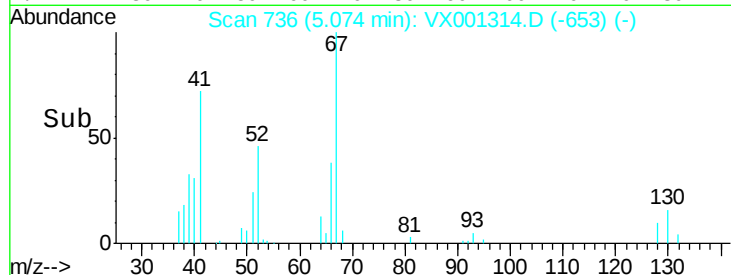
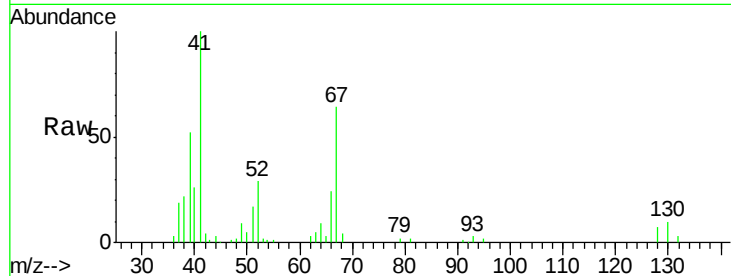
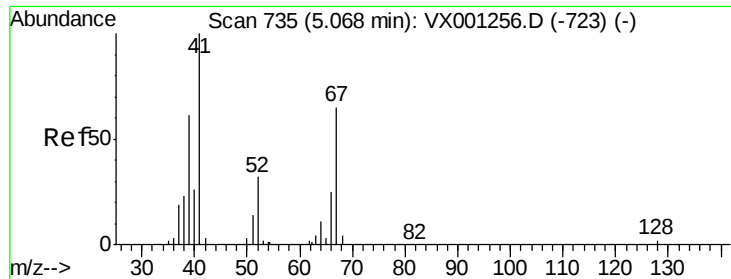
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#34
Benzene
Concen: 19.73 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	21.7	32.5
51	15.4	14.9	22.3





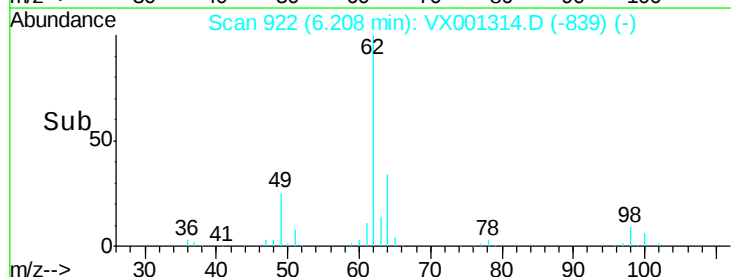
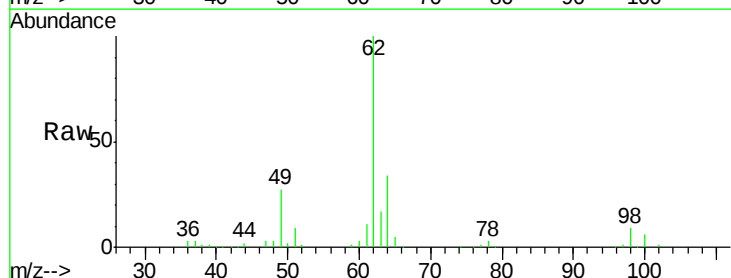
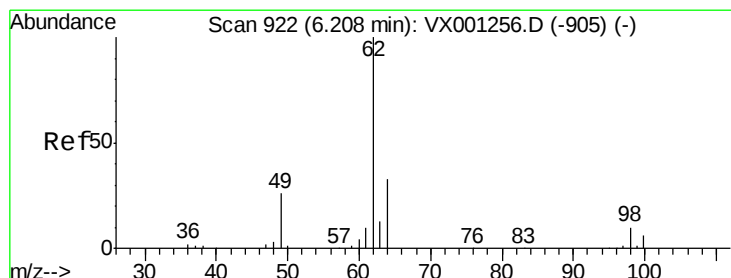
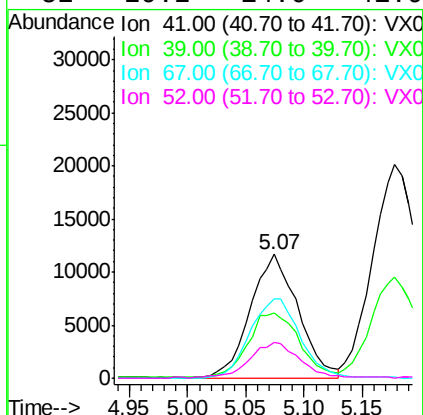
#35
Methacrylonitrile
Concen: 22.43 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.9	29.8	89.3		
67	64.6	28.7	86.3		
52	29.2	14.0	41.9		

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

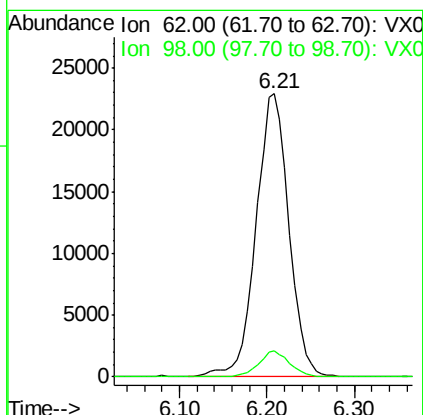
Manual Integrations
APPROVED

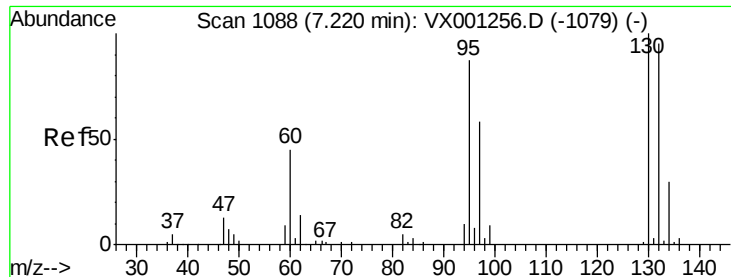
MMDadoda
5/3/2018 12:21:17 PM



#36
1,2-Dichloroethane
Concen: 20.49 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.6	6.9	10.3		





#37

Trichloroethene

Concen: 19.83 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD03

Tot Ion:130 Resp: 45917

Ion Ratio Lower Upper

130 100

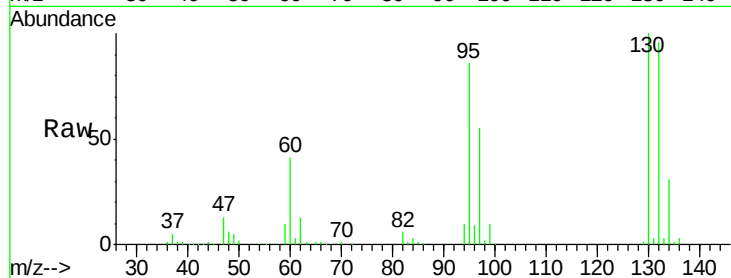
95 85.9 74.6 112.0

Manual Integrations

APPROVED

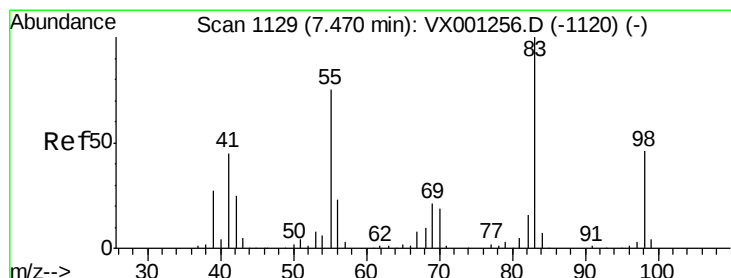
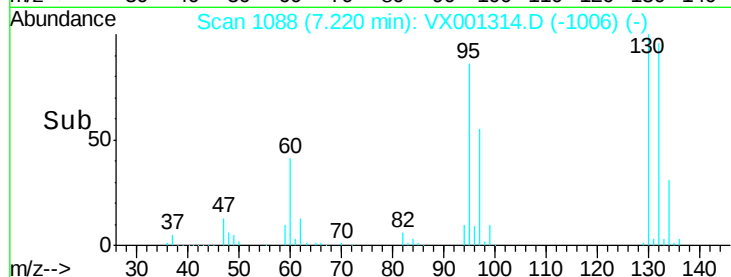
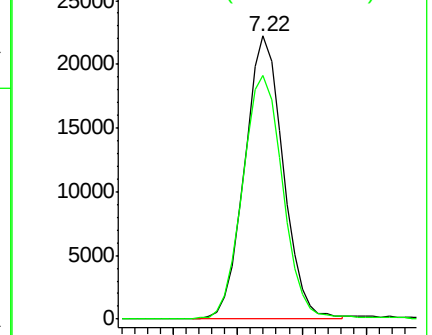
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 18.55 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

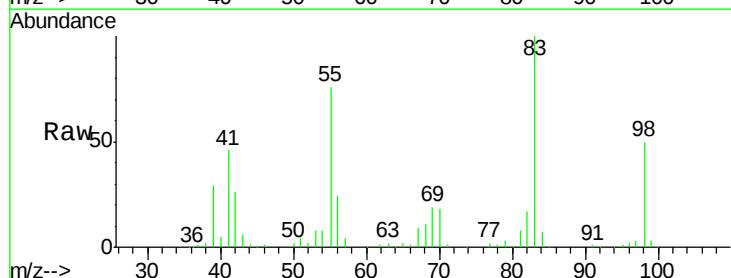
Tgt Ion: 83 Resp: 56238

Ion Ratio Lower Upper

83 100

55 75.8 35.9 107.7

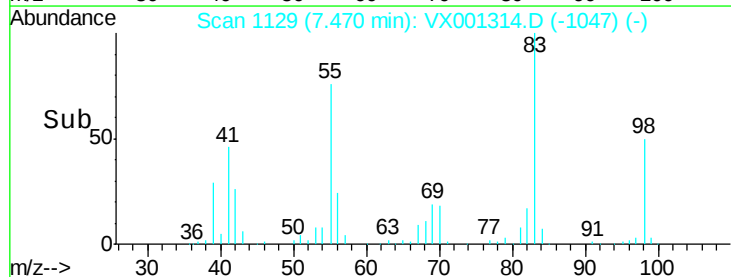
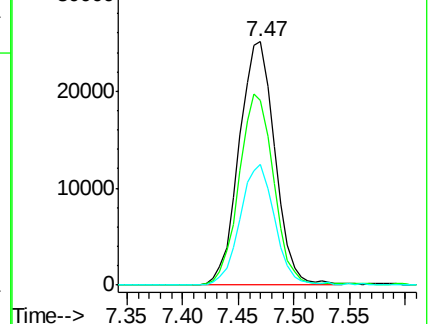
98 47.7 24.6 74.0

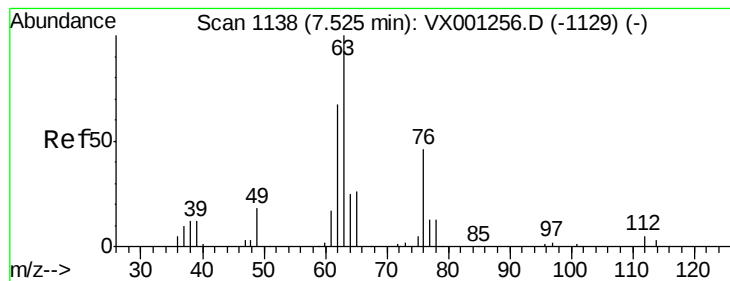


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 20.16 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD03

Tot Ion: 63 Resp: 39037

Ion Ratio Lower Upper

63 100

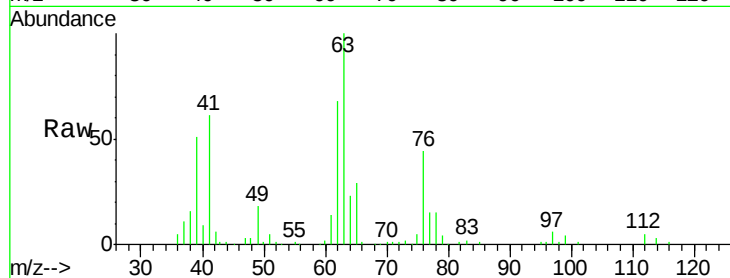
65 29.0 25.0 37.6

Manual Integrations

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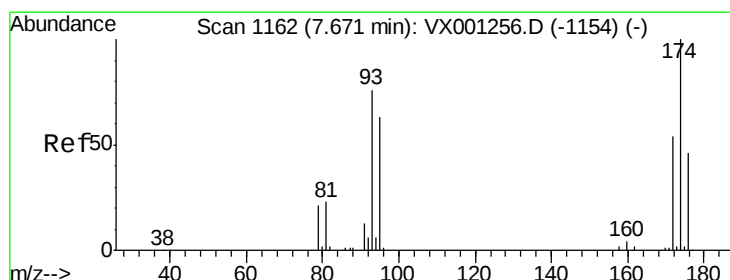
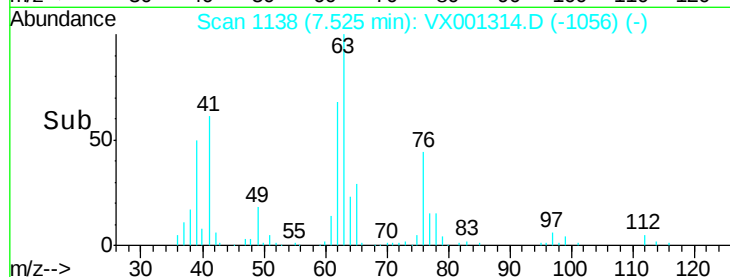
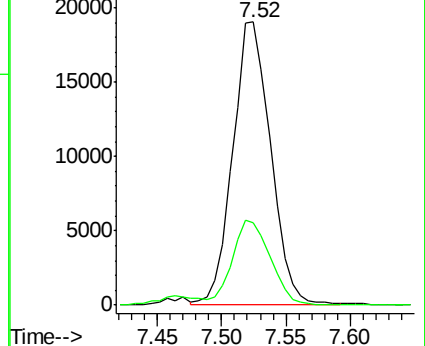
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 20.87 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

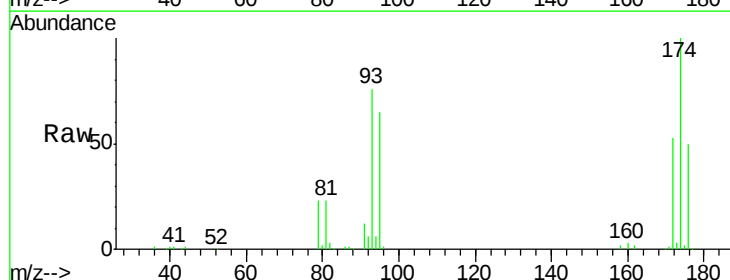
Tgt Ion: 93 Resp: 28427

Ion Ratio Lower Upper

93 100

95 82.6 0.0 170.6

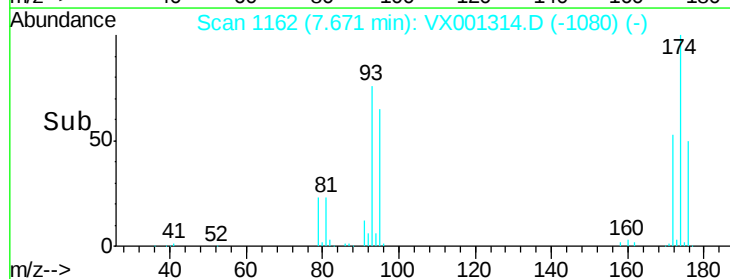
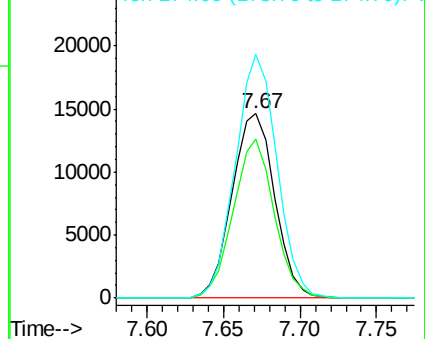
174 128.2 0.0 210.4

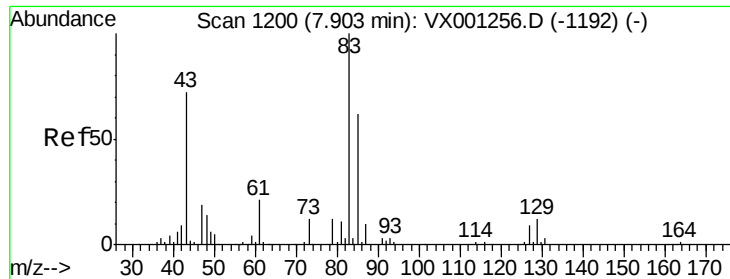


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.84 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

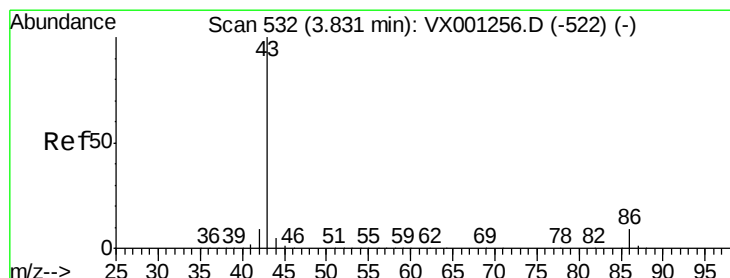
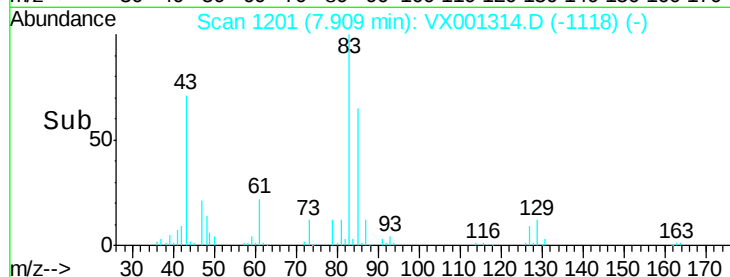
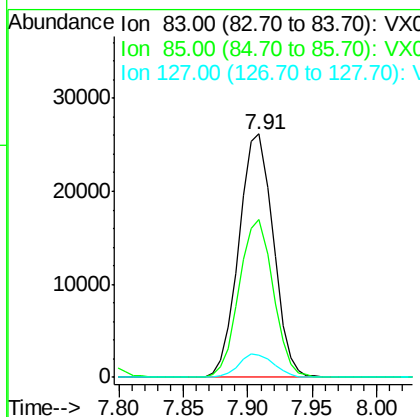
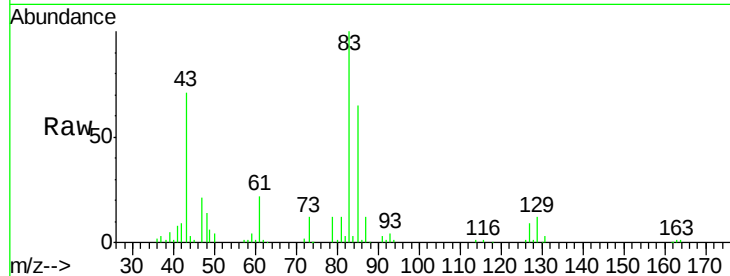
ClientSampleId :

VX0502WBSD03

Tot Ion:	83	Resp:	48484
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.0	75.0
127	8.9	6.6	10.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 98.69 ug/l

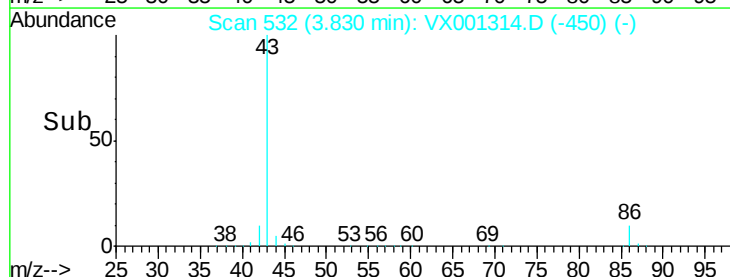
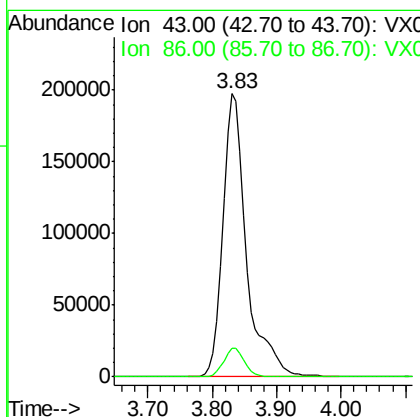
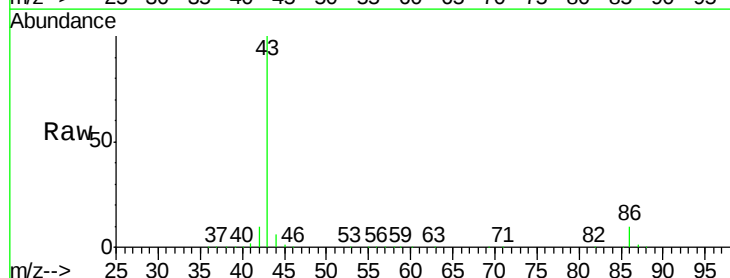
RT: 3.83 min Scan# 532

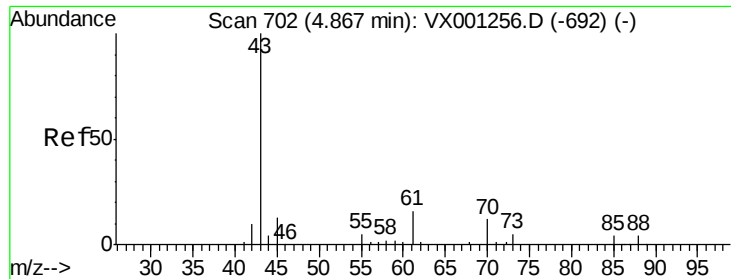
Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Tgt Ion:	43	Resp:	512620
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.8	11.6





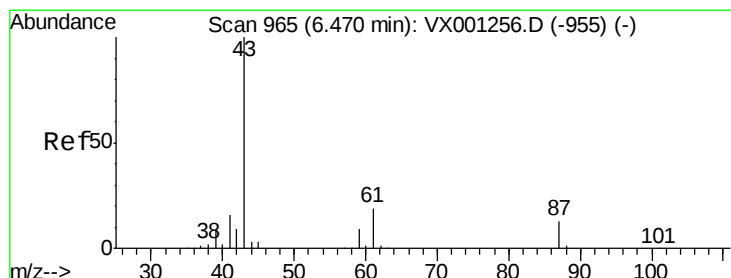
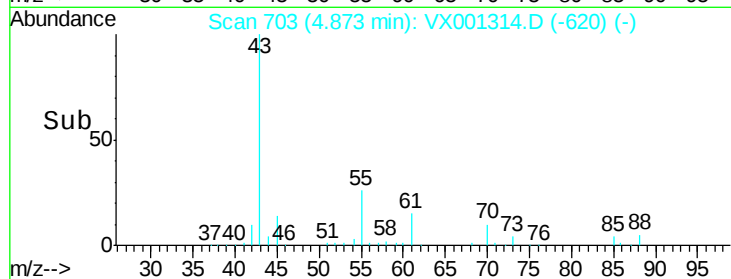
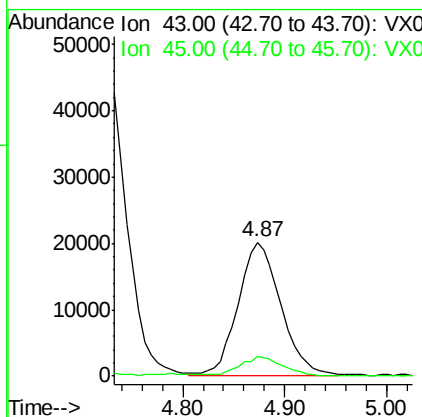
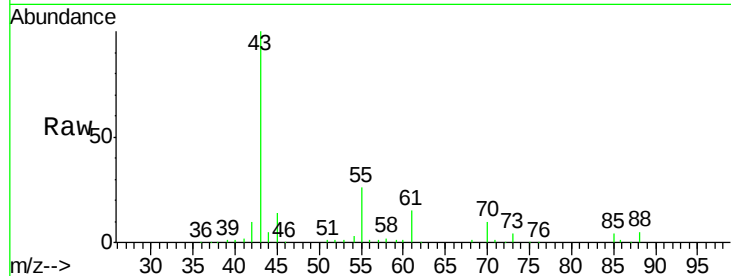
#43
Ethyl Acetate
Concen: 22.95 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion: 43 Resp: 58363
Ion Ratio Lower Upper
43 100
45 14.8 11.4 17.0

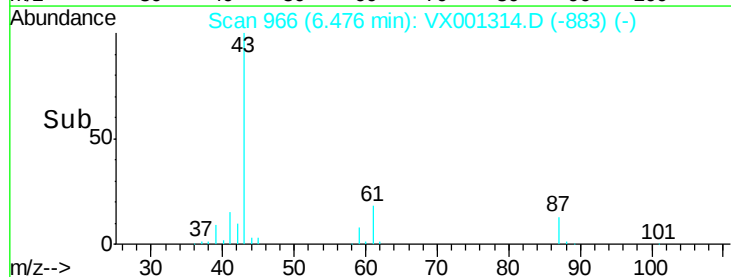
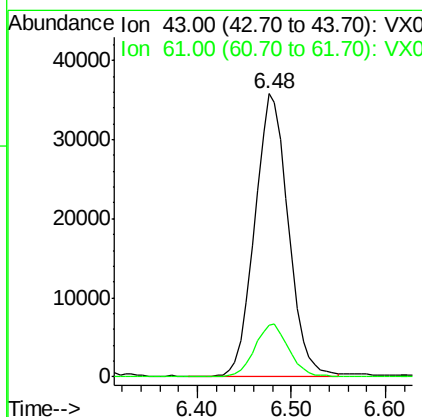
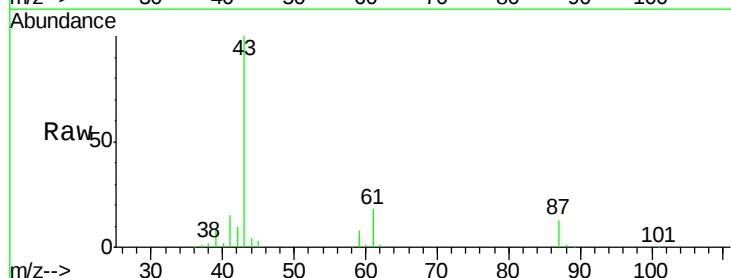
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APPROVED

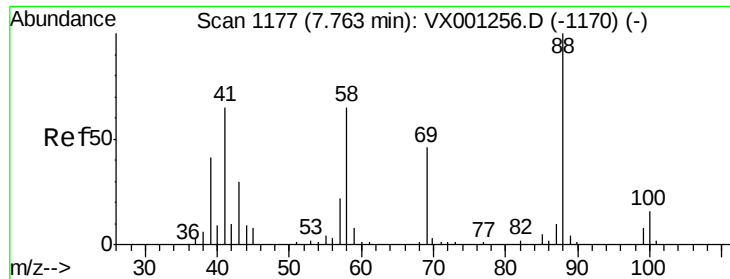
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#44
Isopropyl Acetate
Concen: 20.64 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion: 43 Resp: 89306
Ion Ratio Lower Upper
43 100
61 18.7 15.7 23.5





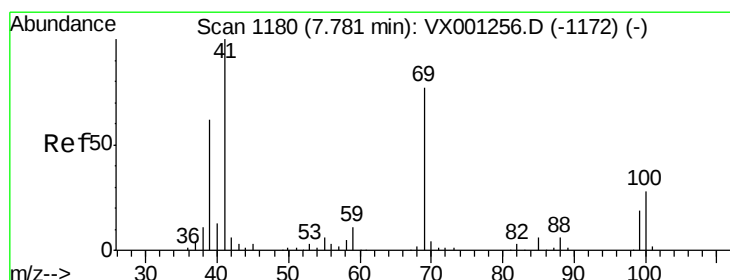
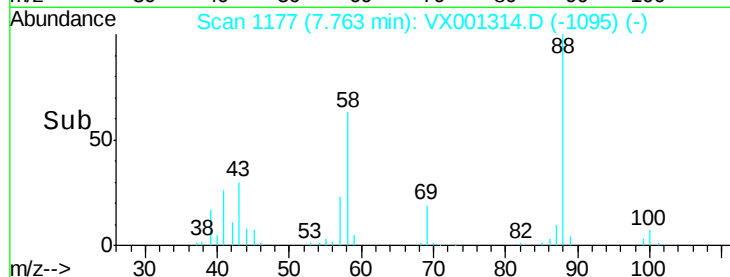
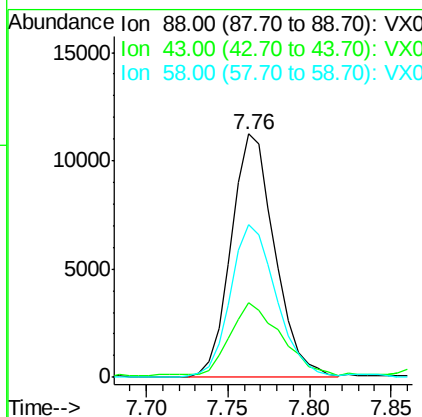
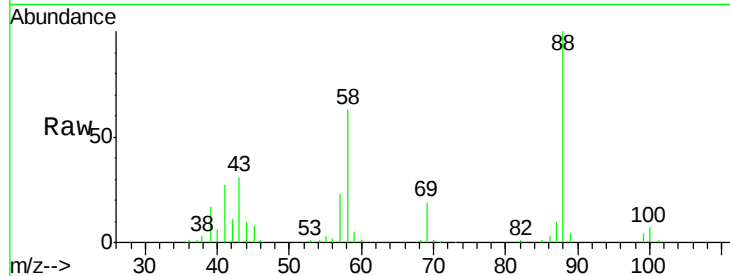
#45
1,4-Dioxane
Concen: 533.92 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.8	40.2
58	65.8	52.1	78.1

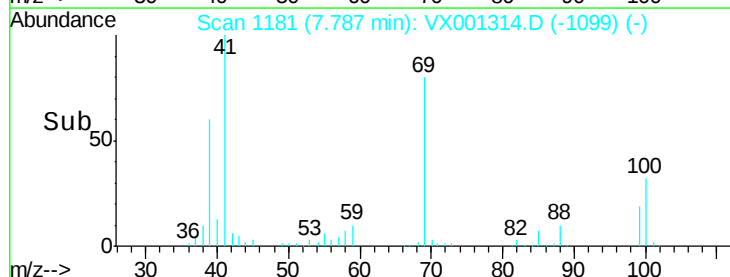
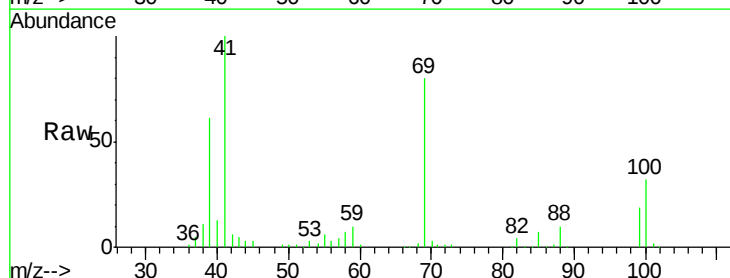
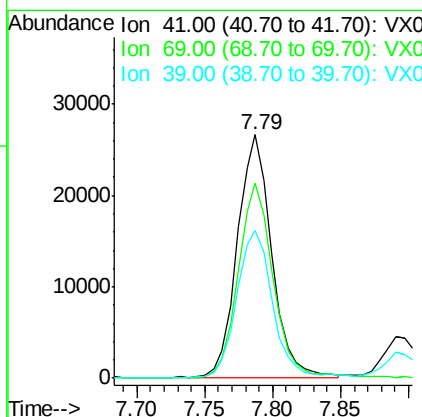
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APPROVED

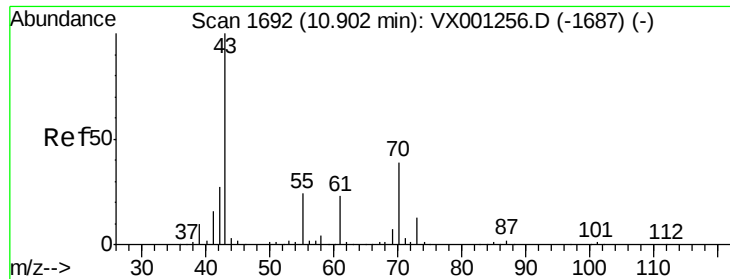
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#46
Methyl methacrylate
Concen: 21.03 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.3	45.5	136.5
39	60.2	32.5	97.5





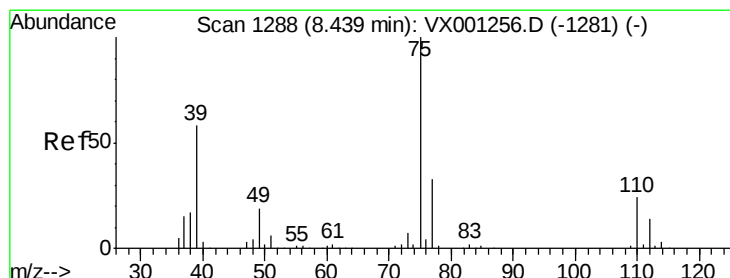
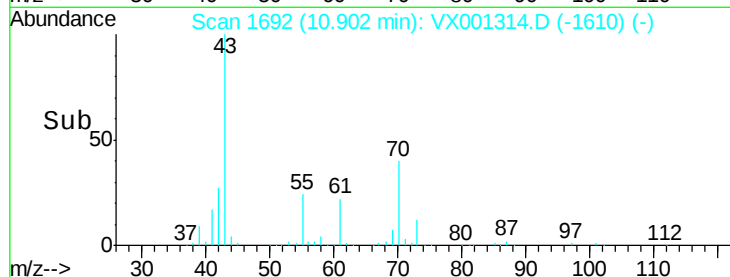
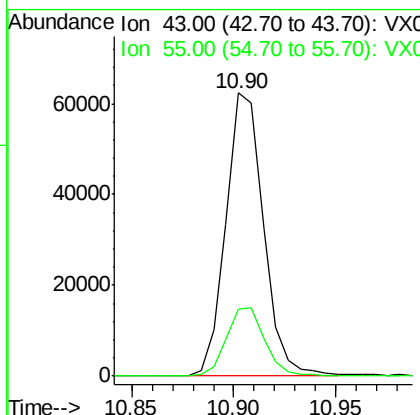
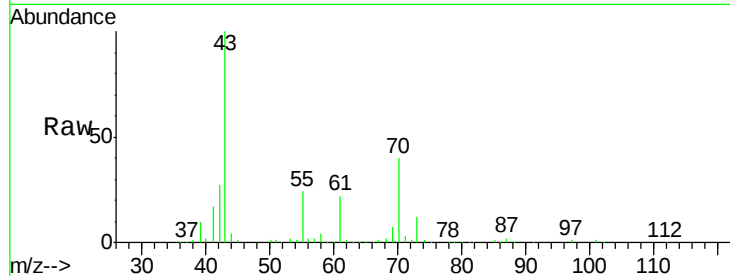
#47
n-amvl Acetate
Concen: 18.99 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampled :
VX0502WBSD03

Tot Ion	43	55	Ratio	100	25.1	Resp	78836	Lower	Upper
43	100								
55		25.1						19.4	29.2

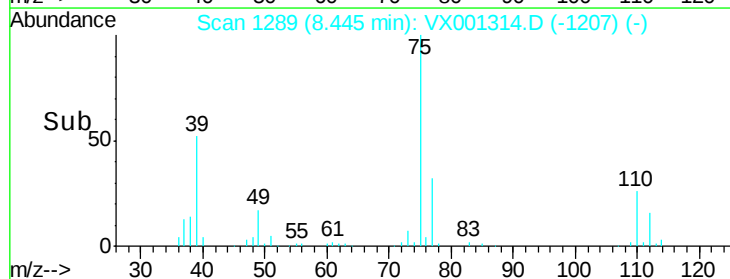
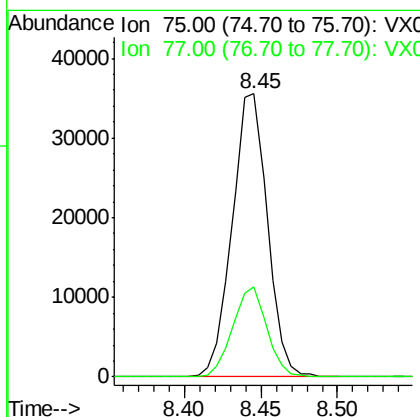
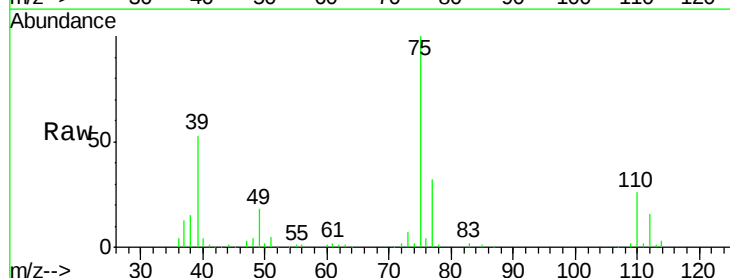
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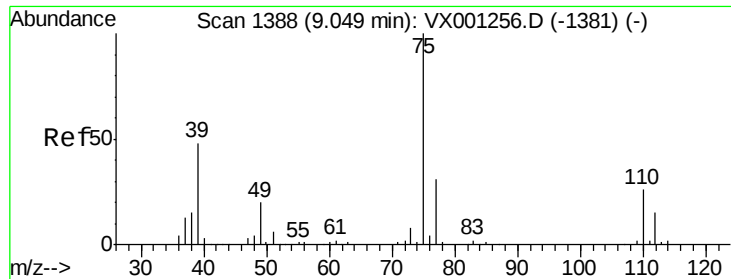
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#48
t-1,3-Dichloropropene
Concen: 18.76 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	75	77	Ratio	100	31.6	Resp	56830	Lower	Upper
75	100								
77		31.6						24.6	37.0





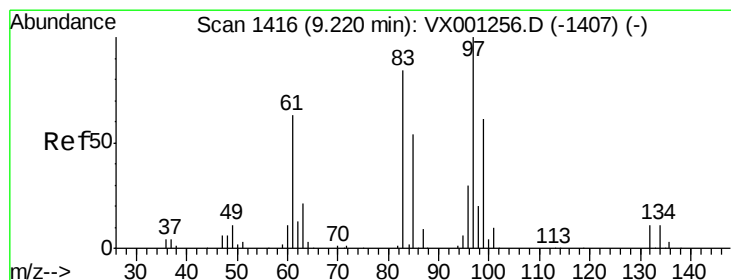
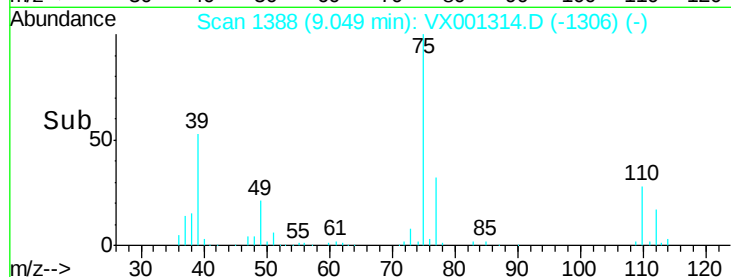
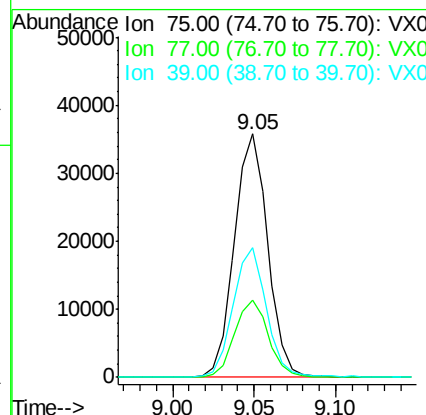
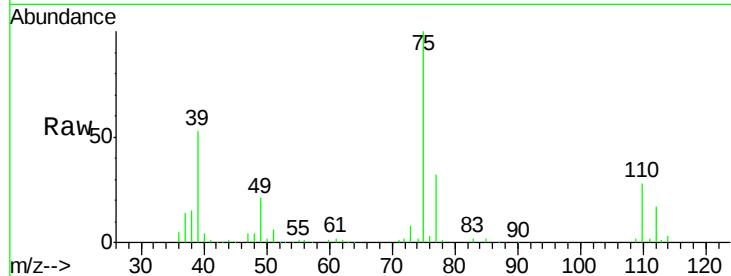
#49
 cis-1,3-Dichloropropene
 Concen: 17.58 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7
39	53.1	35.6	53.4

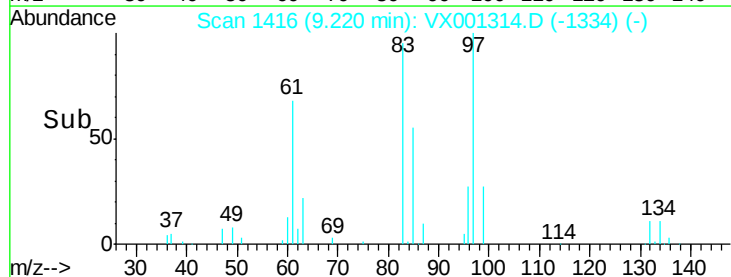
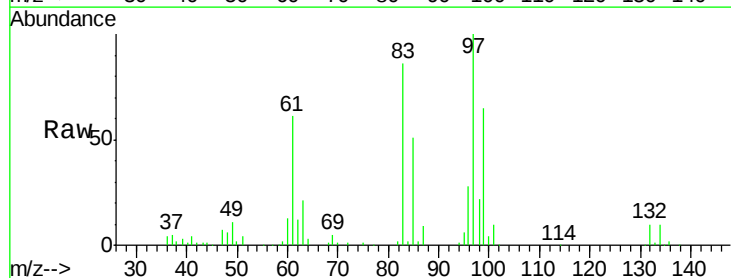
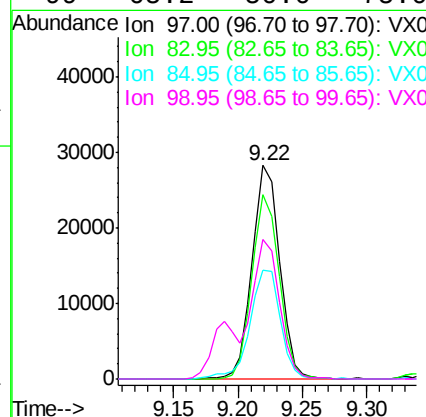
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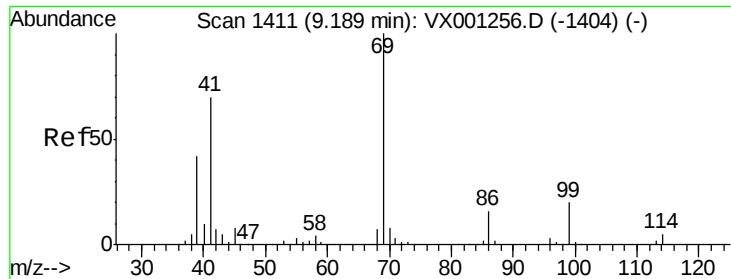
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#50
 1,1,2-Trichloroethane
 Concen: 20.71 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.9	100.3
85	50.8	44.4	66.6
99	65.2	50.0	75.0





#51

Ethyl methacrylate

Concen: 20.48 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

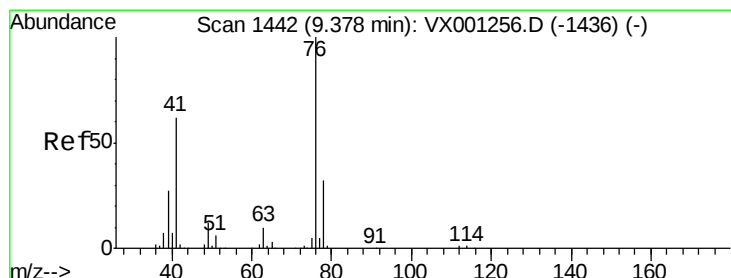
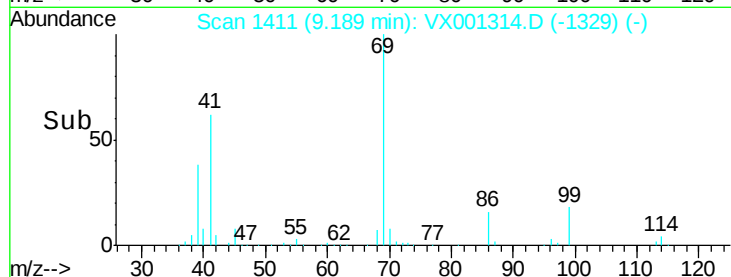
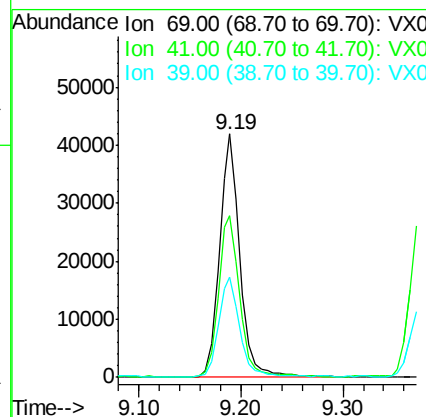
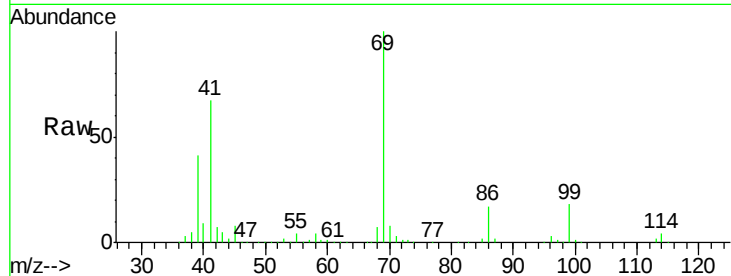
ClientSampleId :

VX0502WBSD03

Tot Ion:	69	Resp:	59028
Ion	Ratio	Lower	Upper
69	100		
41	66.4	32.1	96.3
39	41.0	19.6	58.7

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.60 ug/l

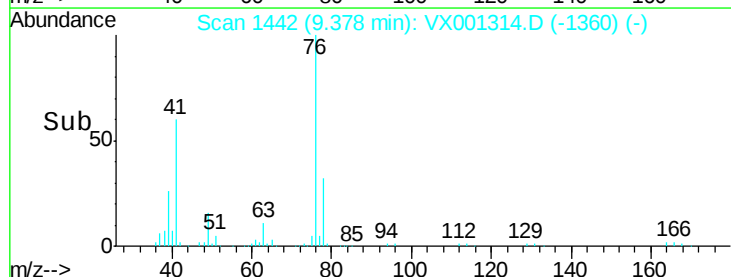
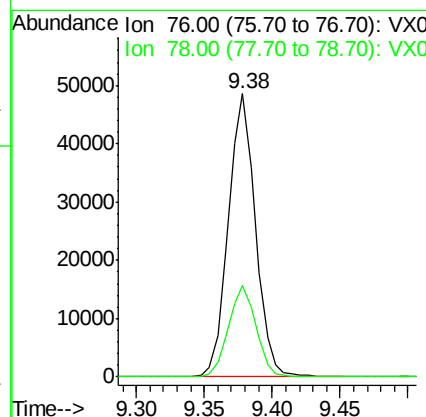
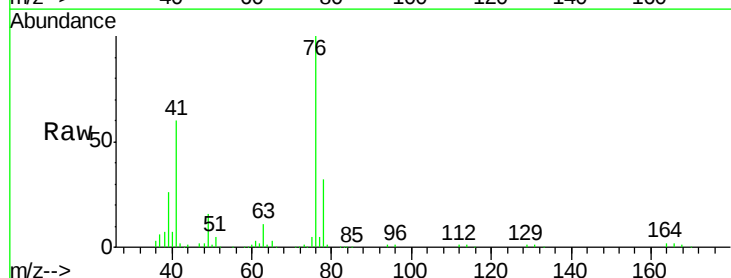
RT: 9.38 min Scan# 1442

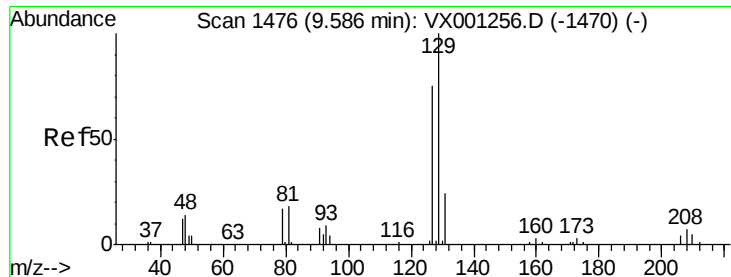
Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Tgt Ion:	76	Resp:	67369
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	65.0





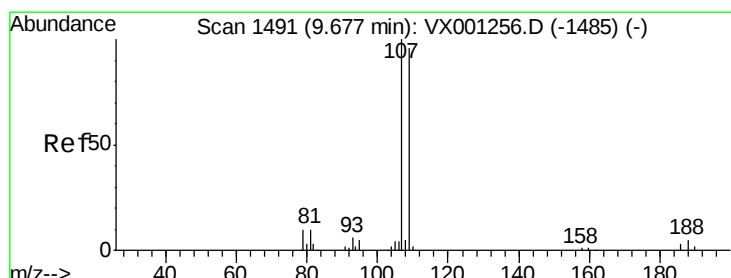
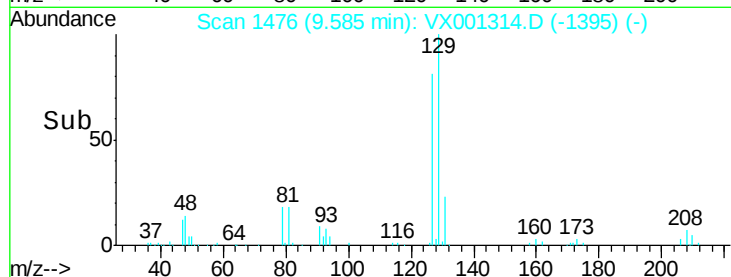
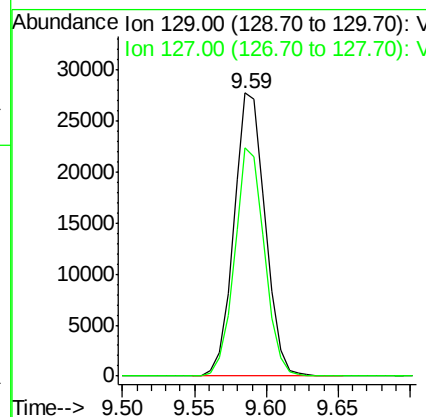
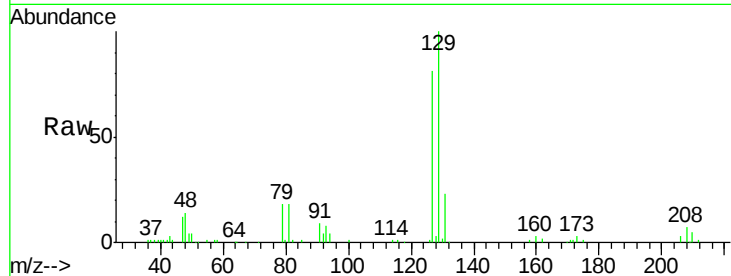
#53
 Dibromochloromethane
 Concen: 18.87 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.7	37.5	112.5

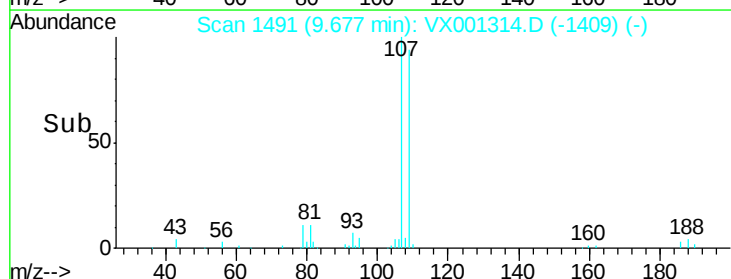
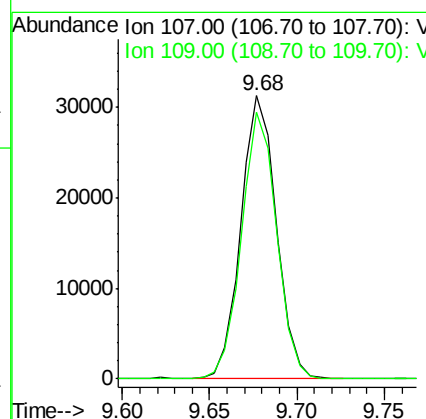
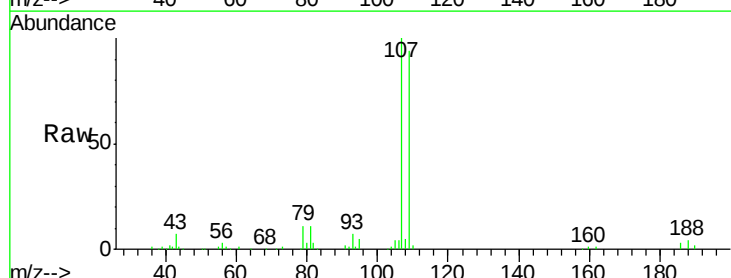
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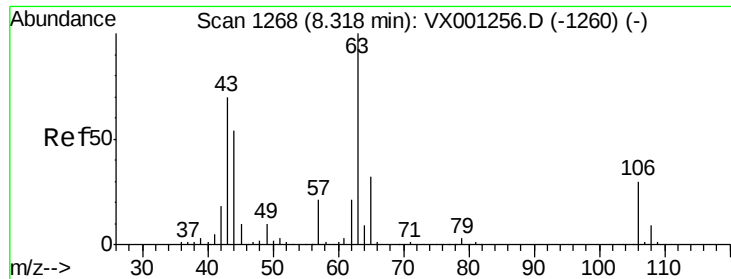
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#54
 1,2-Dibromoethane
 Concen: 20.35 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.5	111.7





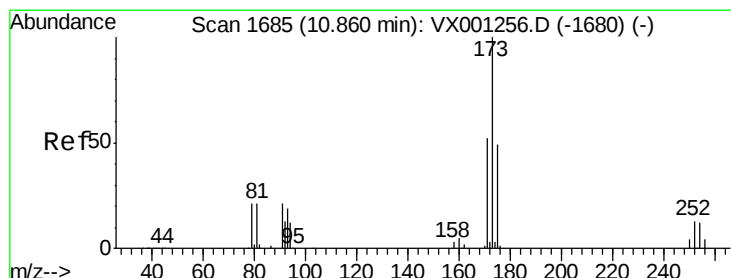
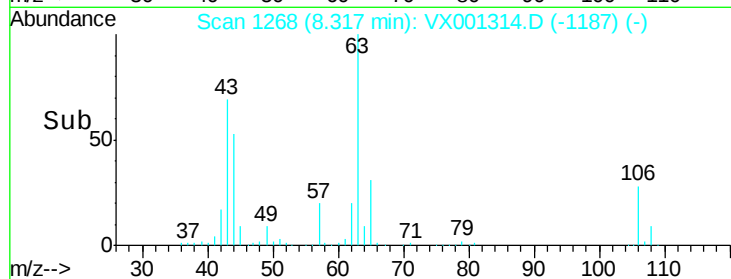
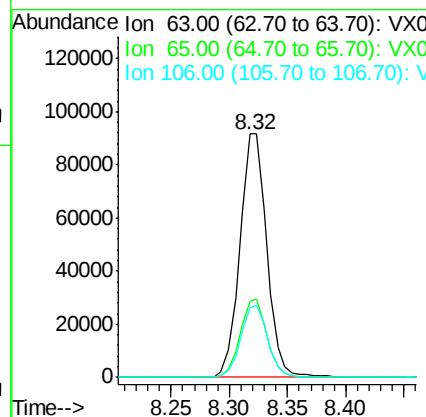
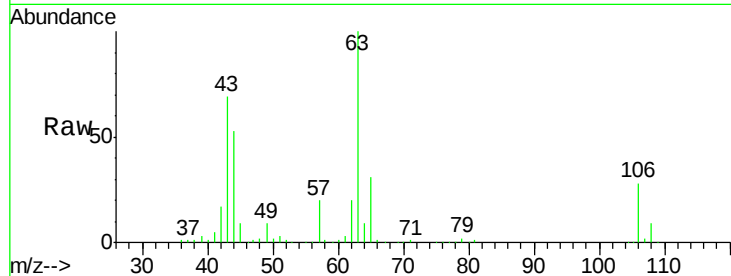
#55
2-Chloroethyl vinyl ether
Concen: 104.72 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.8	38.8
106	29.4	23.8	35.6

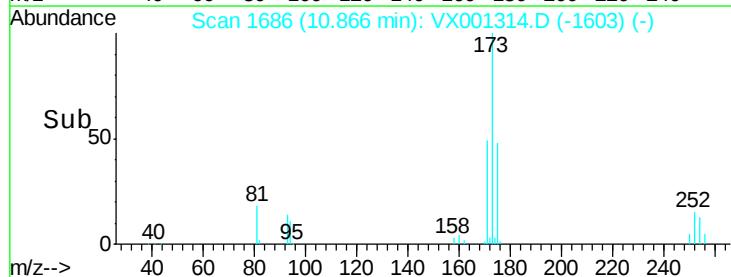
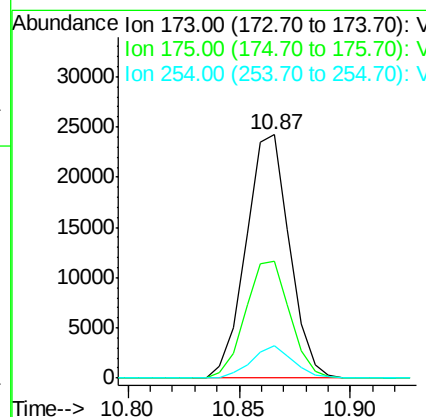
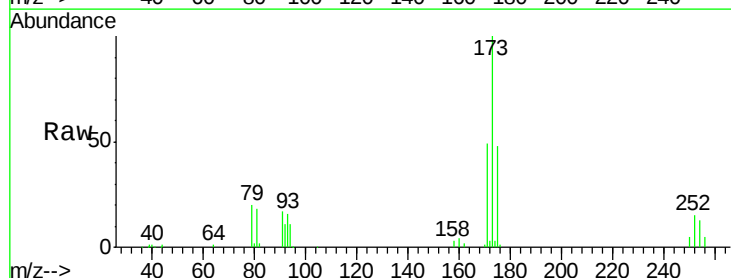
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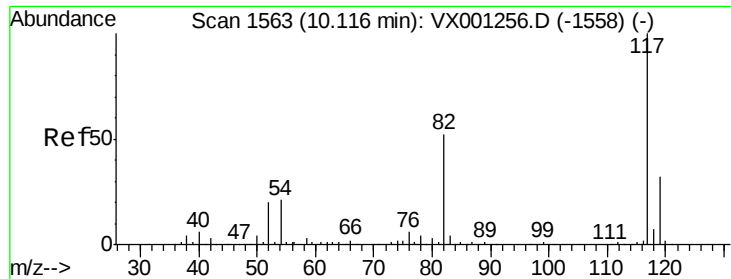
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#56
Bromoform
Concen: 18.08 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.0	58.4
254	12.5	7.0	10.4





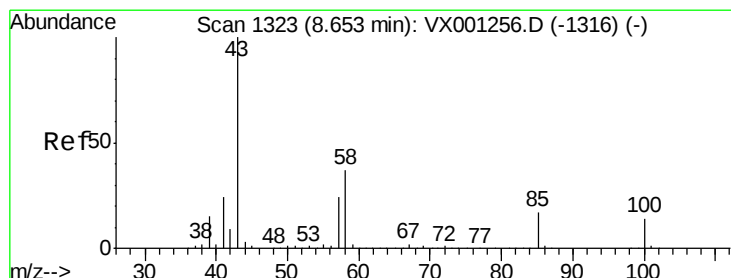
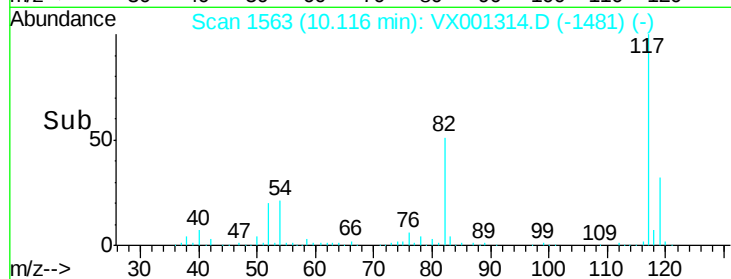
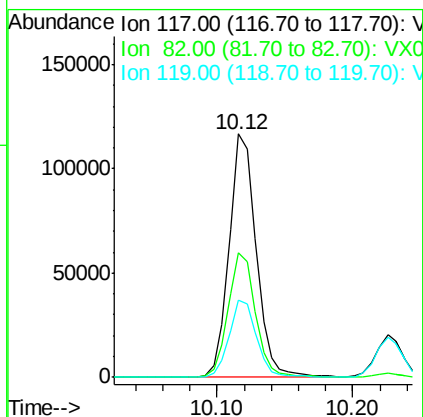
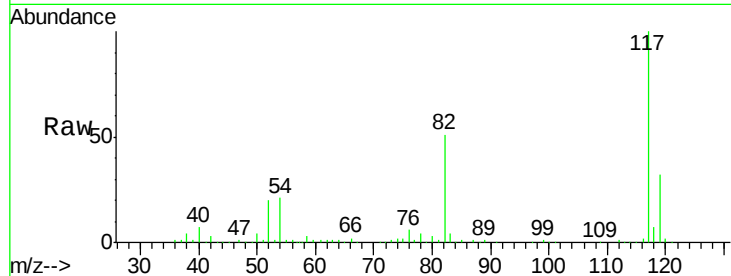
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	43.0	64.4
119	32.3	25.8	38.8

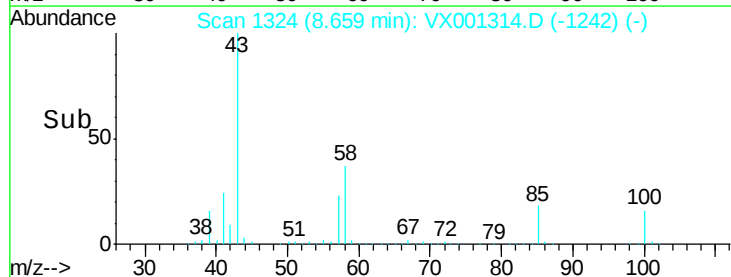
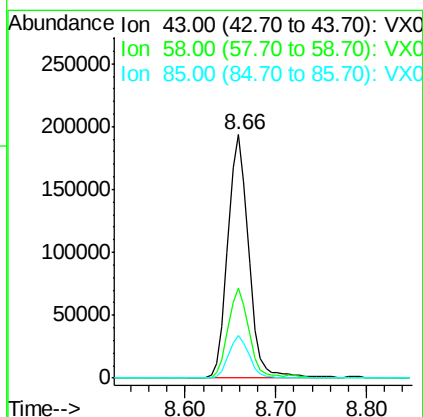
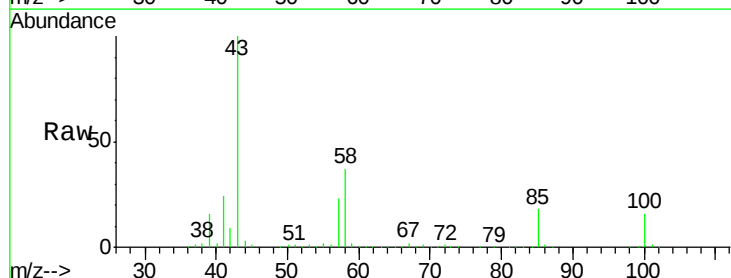
Manual Integrations
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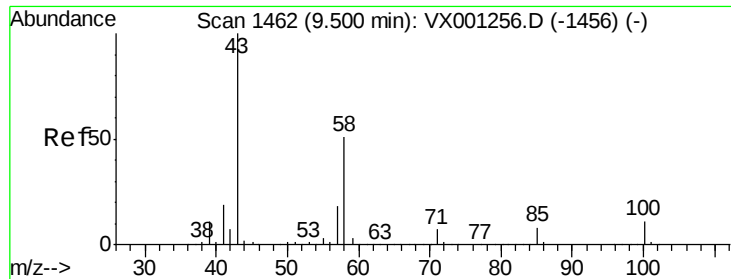
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#58
4-Methyl-2-Pentanone
Concen: 115.37 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.8	44.8
85	17.3	14.9	22.3





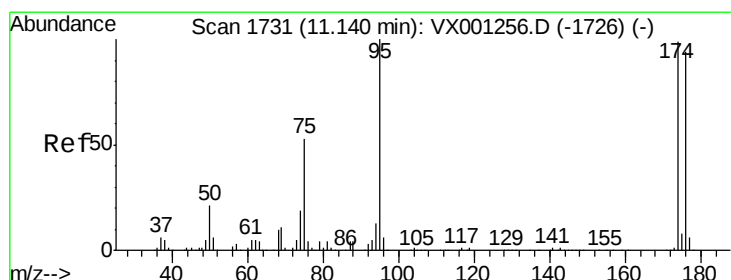
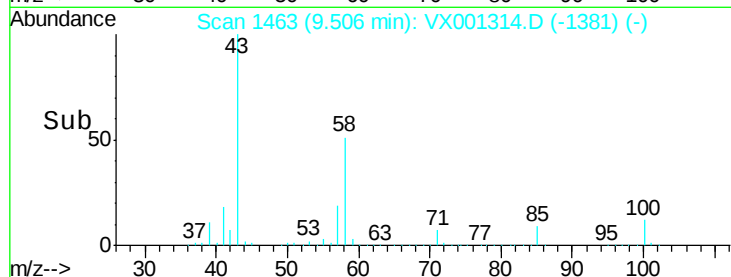
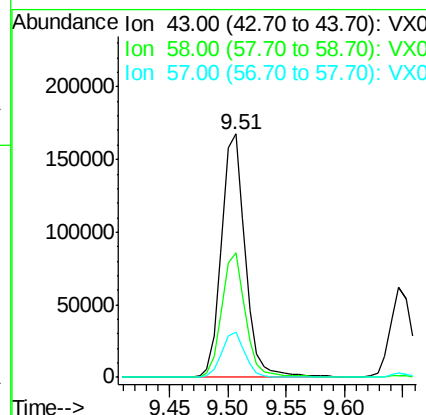
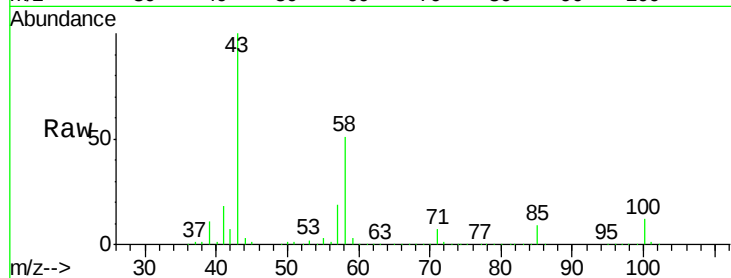
#59
2-Hexanone
Concen: 112.27 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.6	43.0	64.6
57	18.1	14.4	21.6

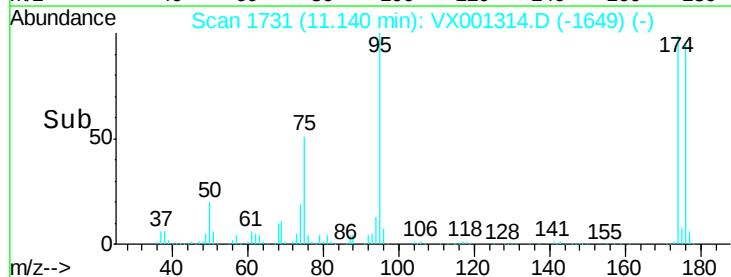
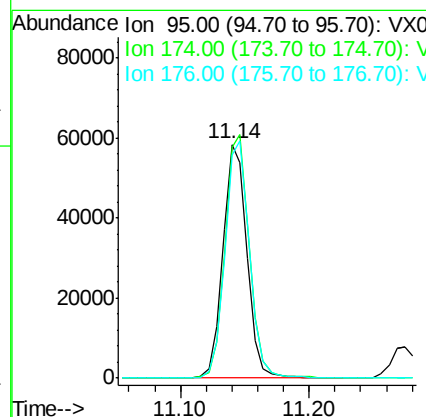
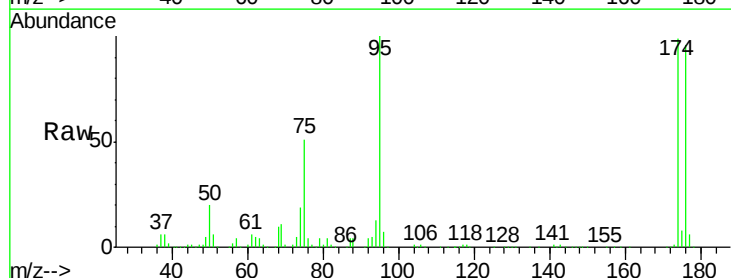
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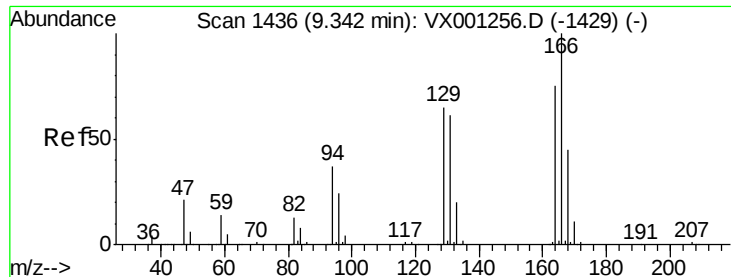
MMDadoda
5/3/2018 12:21:17 PM



#60
4-Bromofluorobenzene
Concen: 28.26 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	104.8	71.1	106.7
176	103.2	69.3	103.9





#61

Tetrachloroethene

Concen: 22.90 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD03

Tot Ion:164 Resp: 57018

Ion Ratio Lower Upper

164 100

166 129.9 99.0 148.4

129 81.1 77.0 115.6

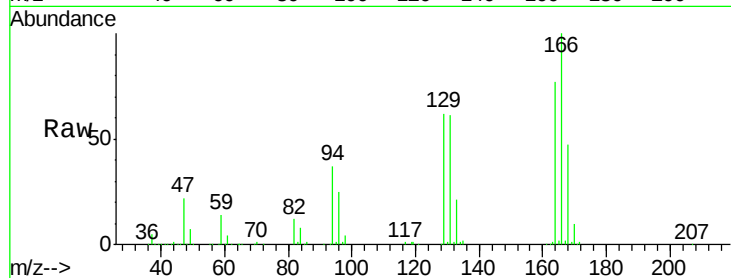
131 78.9 75.8 113.6

Manual Integrations

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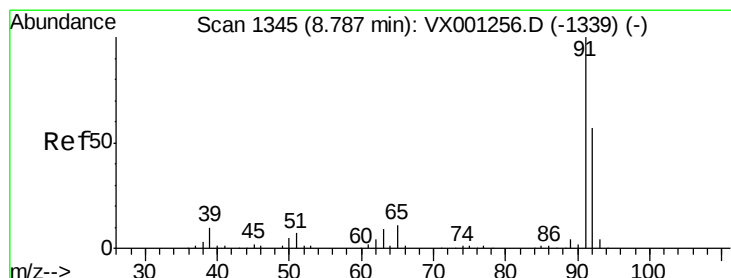
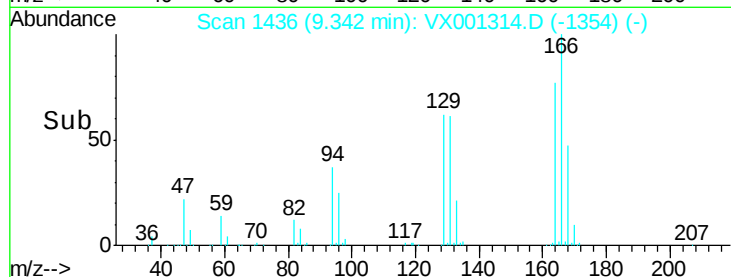
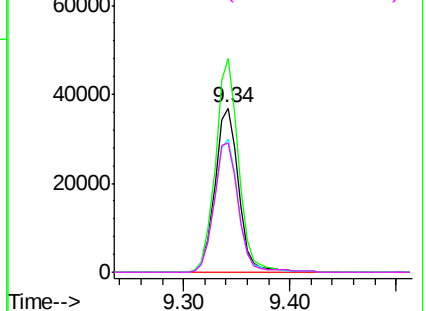


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.67 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001314.D

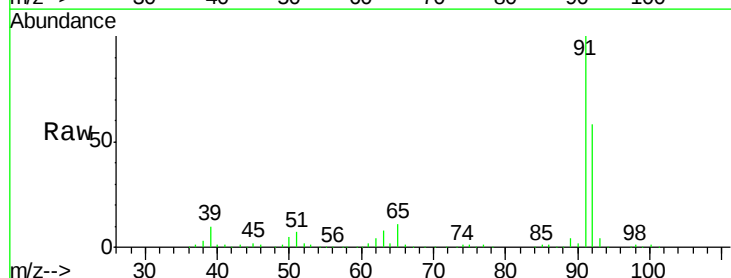
Acq: 02 May 2018 12:54

Tgt Ion: 91 Resp: 171770

Ion Ratio Lower Upper

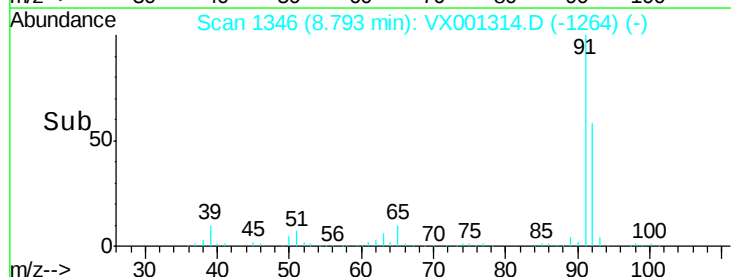
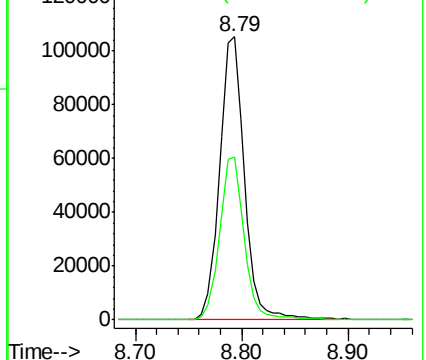
91 100

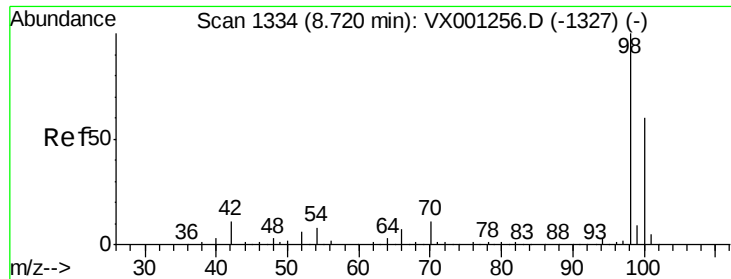
92 57.4 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





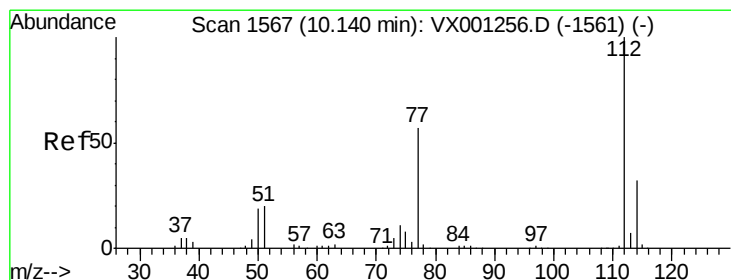
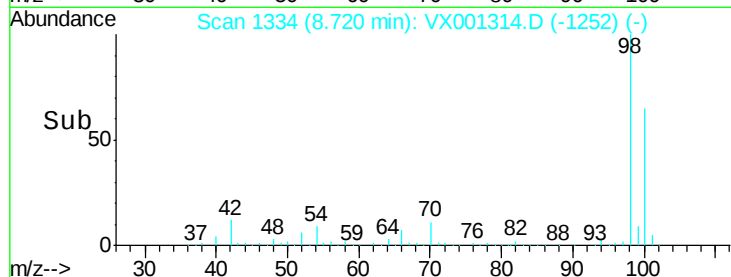
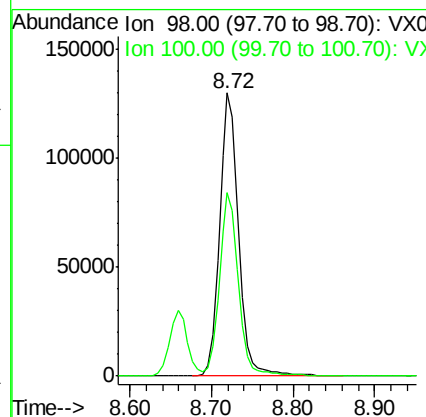
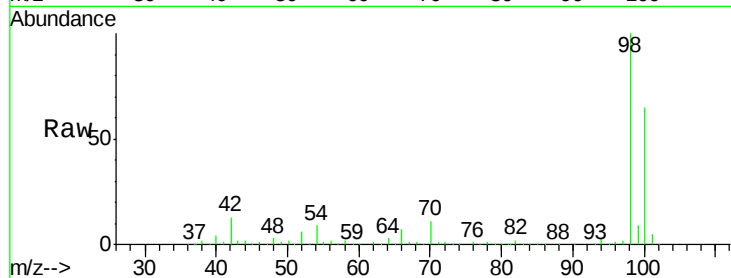
#63
Toluene-d8
Concen: 30.61 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion: 98 Resp: 213310
Ion Ratio Lower Upper
98 100
100 63.8 50.0 75.0

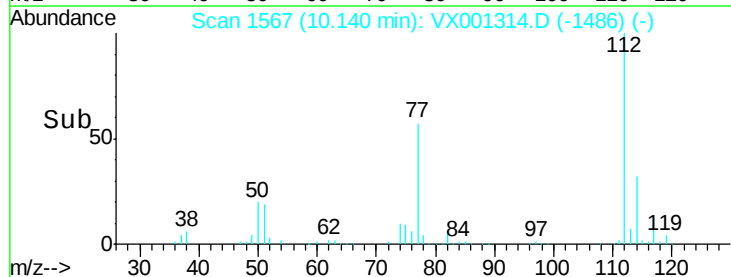
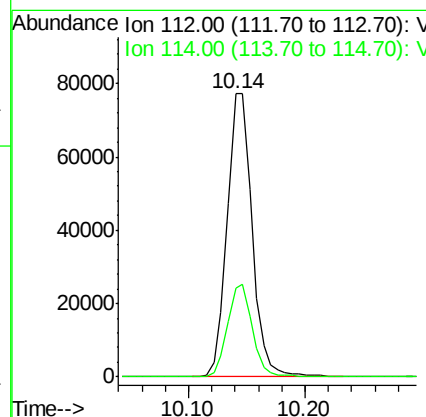
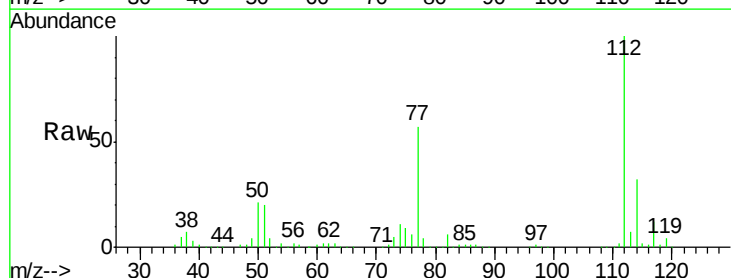
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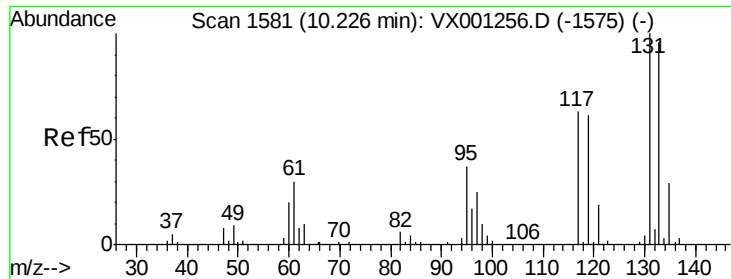
MMDadoda
5/3/2018 12:21:17 PM



#64
Chlorobenzene
Concen: 19.57 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion: 112 Resp: 115323
Ion Ratio Lower Upper
112 100
114 31.6 26.4 39.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.97 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

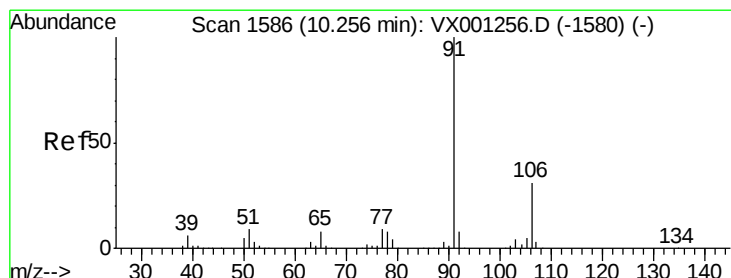
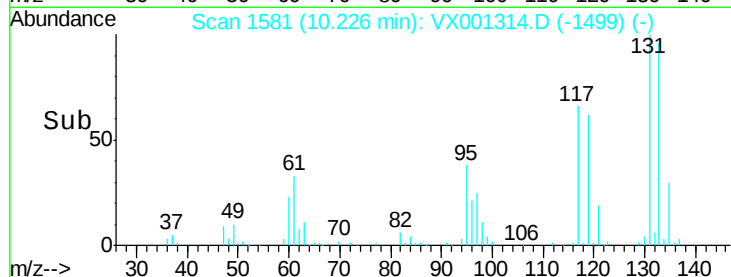
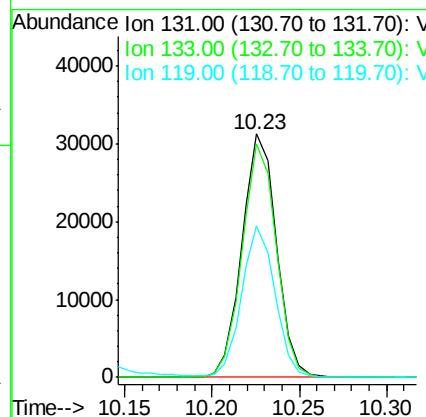
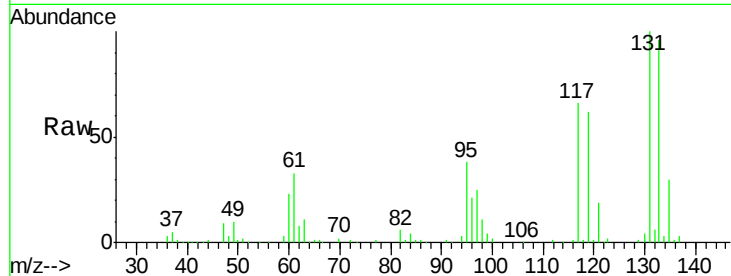
ClientSampleId :

VX0502WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
131	100	42960		
133	95.1	0.0	187.6	
119	60.5	0.0	134.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.15 ug/l

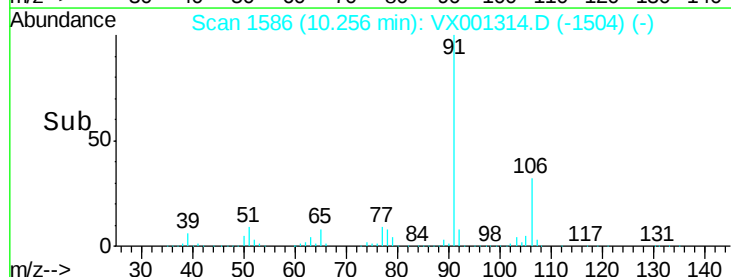
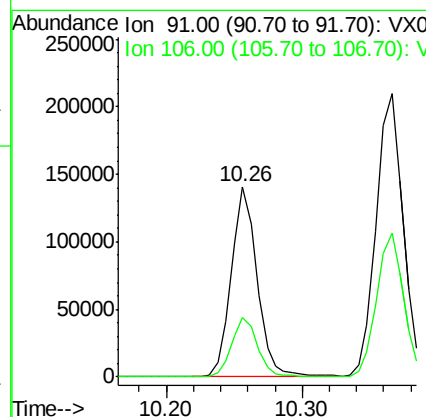
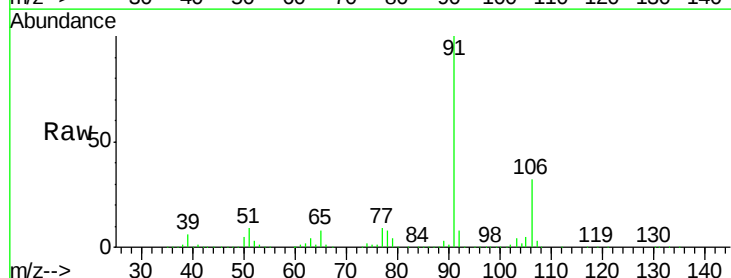
RT: 10.26 min Scan# 1586

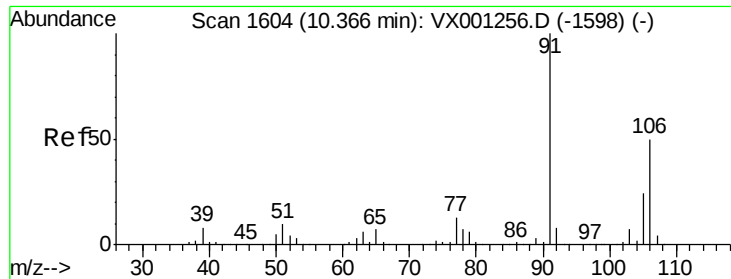
Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	186664		
106	31.5	25.9	38.9	





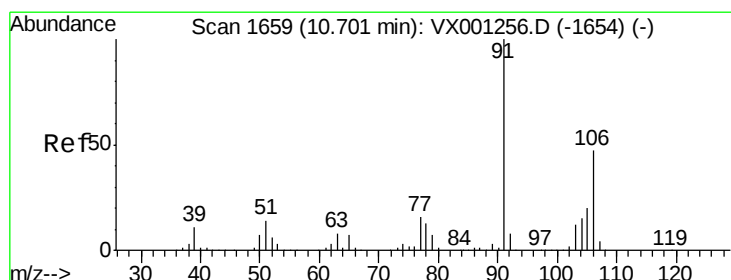
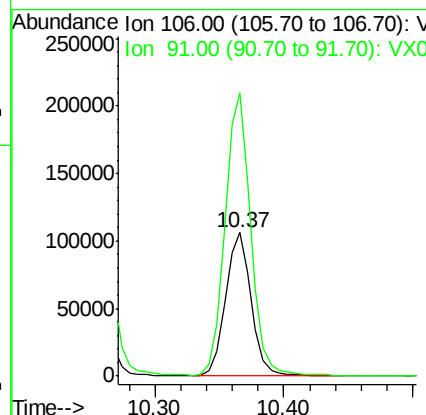
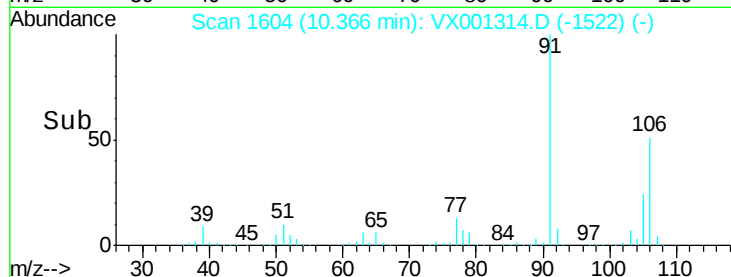
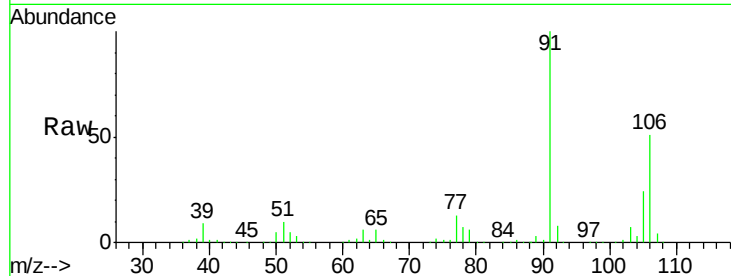
#67
m/p-Xvlenes
Concen: 38.57 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion:106 Resp: 149331
Ion Ratio Lower Upper
106 100
91 196.8 161.6 242.4

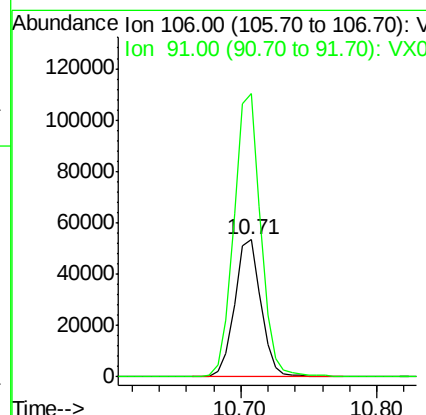
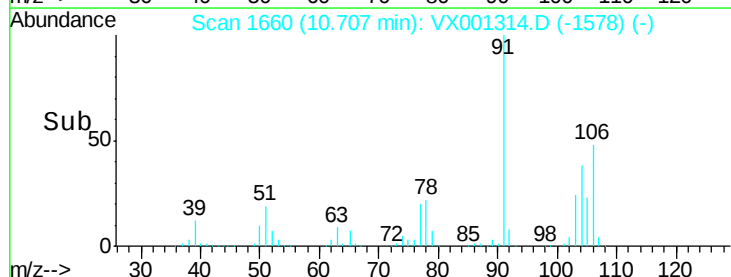
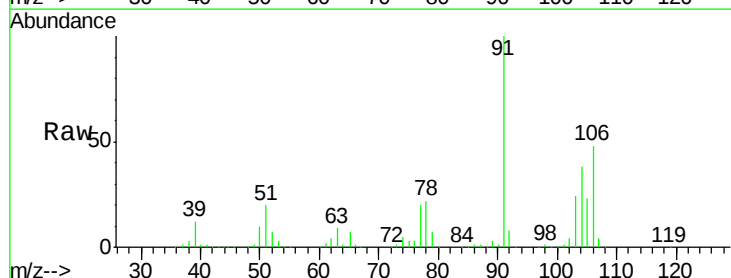
Manual Integrations
APPROVED

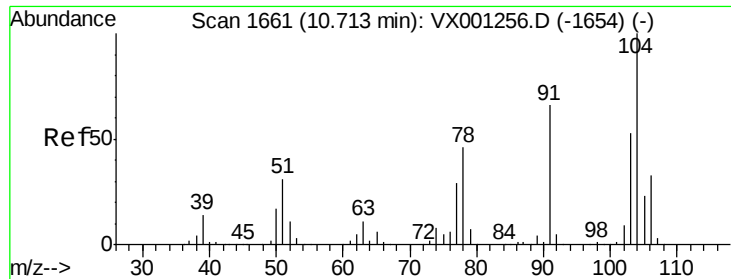
MMDadoda
5/3/2018 12:21:17 PM



#68
o-Xylene
Concen: 19.37 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion:106 Resp: 72489
Ion Ratio Lower Upper
106 100
91 207.9 105.6 316.8





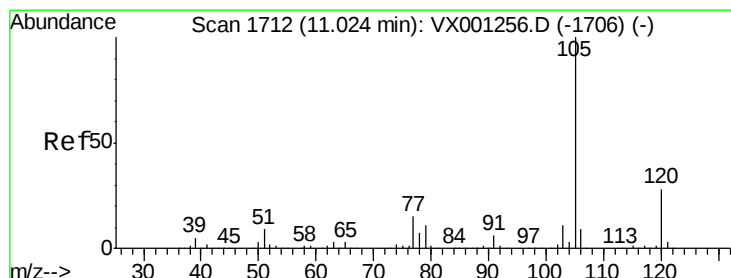
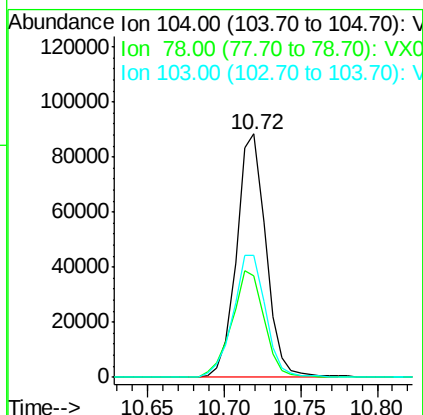
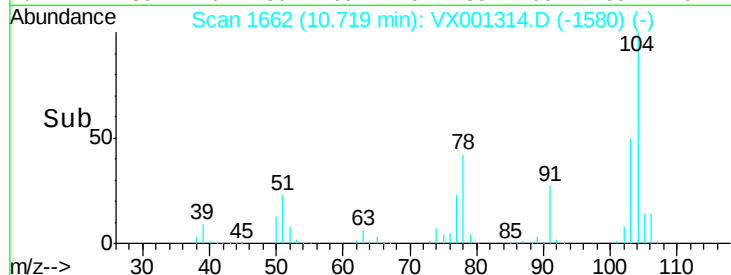
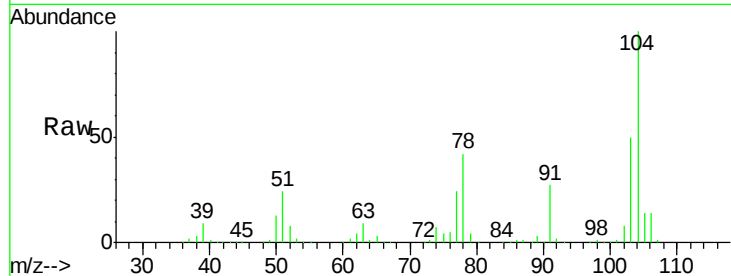
#69
Stvrene
Concen: 18.97 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	39.0	58.4
103	55.9	44.7	67.1

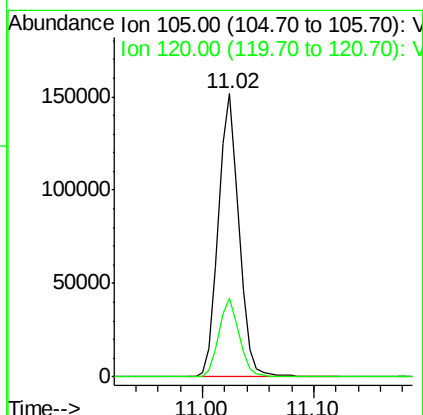
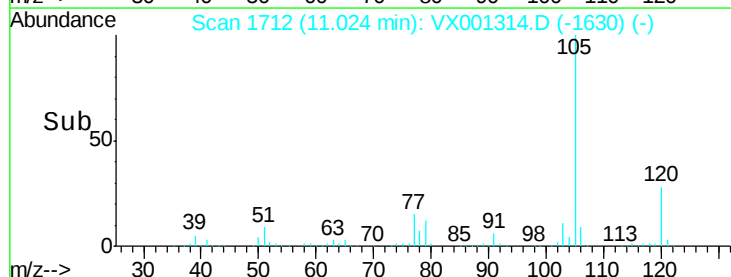
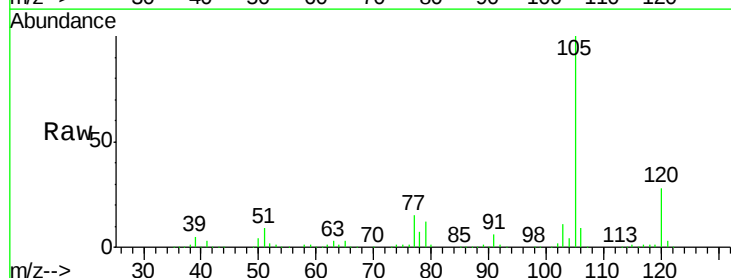
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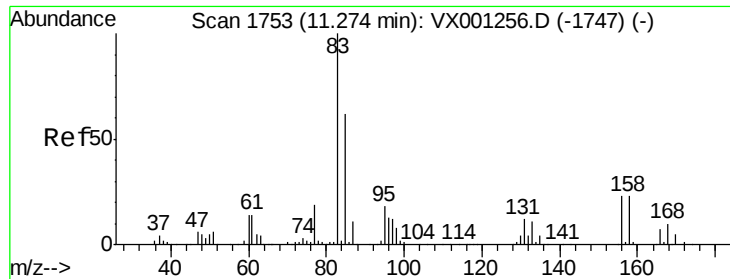
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#70
Isopropylbenzene
Concen: 19.14 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	18.8	35.0





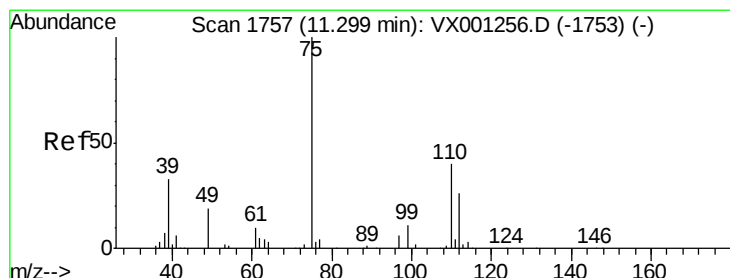
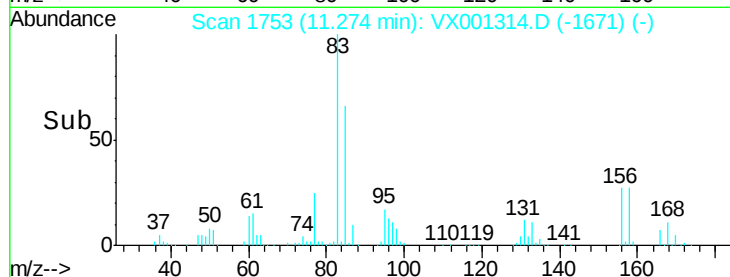
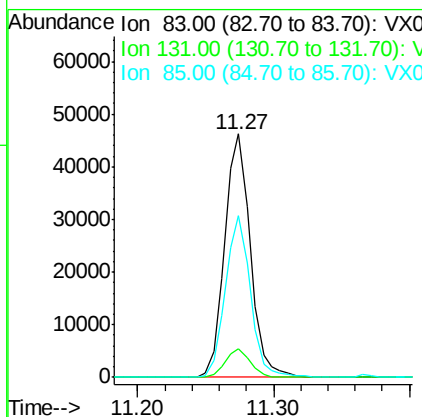
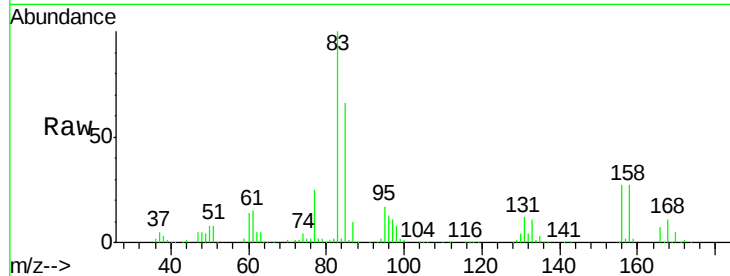
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.29 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion	83	Resp	60491
Ion Ratio	100	Lower	Upper
83	100		
131	11.5	5.3	16.1
85	65.0	32.5	97.5

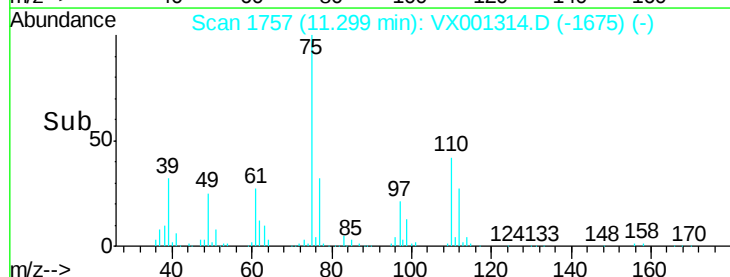
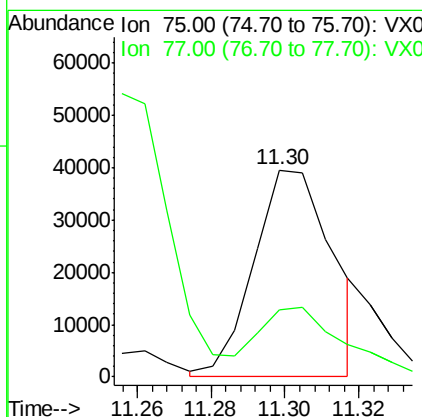
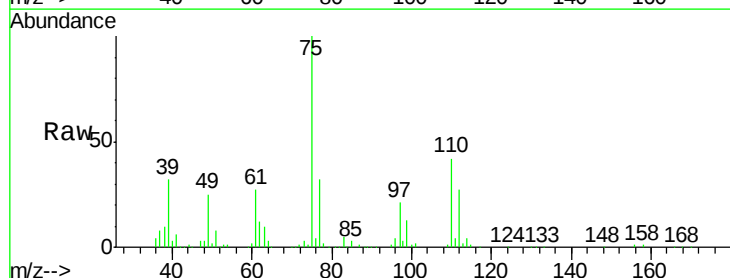
Manual Integrations
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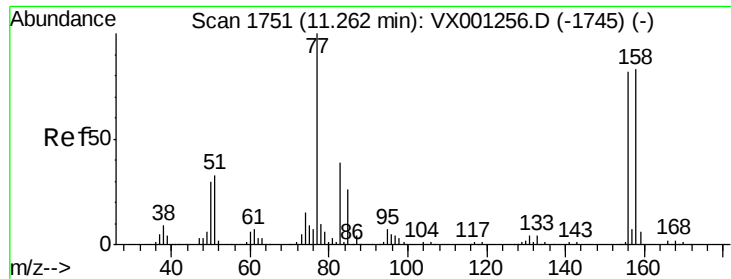
MMDadoda
 5/3/2018 12:21:17 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.84 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion	75	Resp	58277
Ion Ratio	100	Lower	Upper
75	100		
77	36.4	0.0	85.8





#73

Bromobenzene

Concen: 19.19 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD03

Tot Ion:156 Resp: 56677

Ion Ratio Lower Upper

156 100

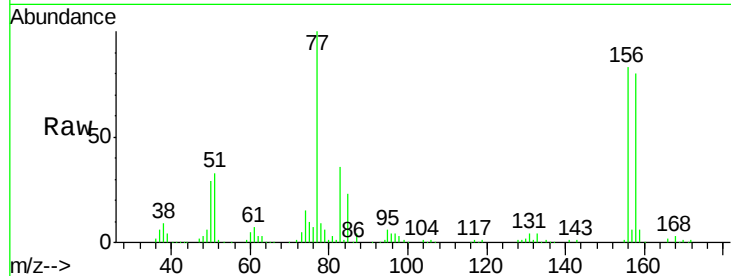
77 129.8 0.0 280.2

158 98.5 0.0 197.2

Manual Integrations
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MMDadoda

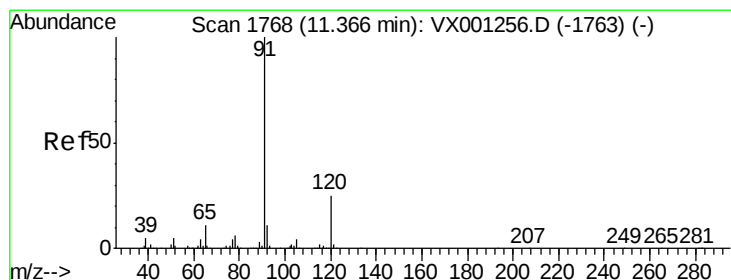
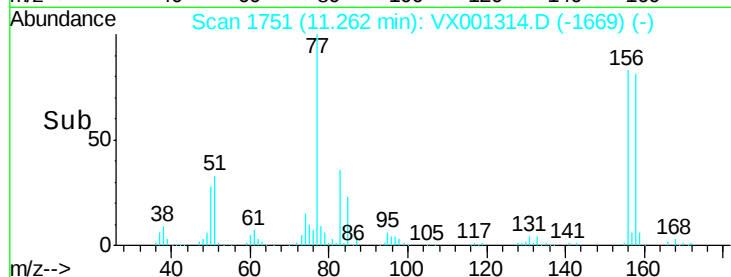
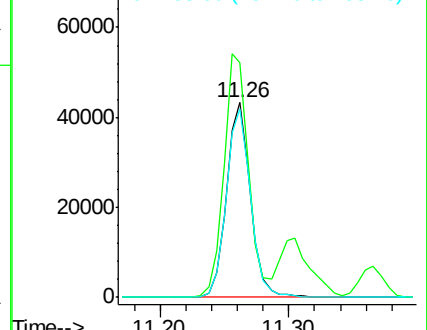
5/3/2018 12:21:17 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.75 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001314.D

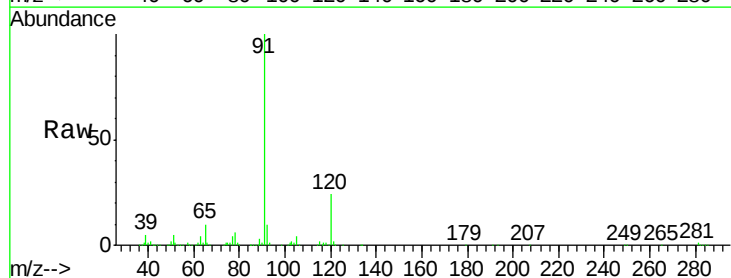
Acq: 02 May 2018 12:54

Tgt Ion: 91 Resp: 215221

Ion Ratio Lower Upper

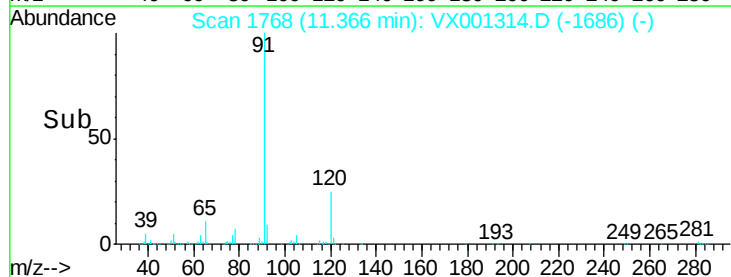
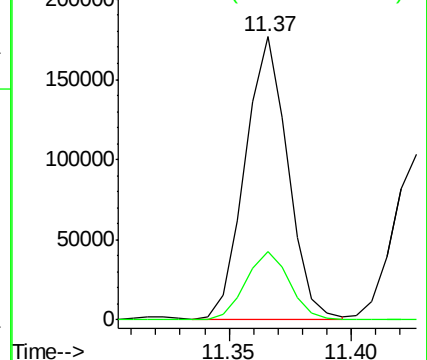
91 100

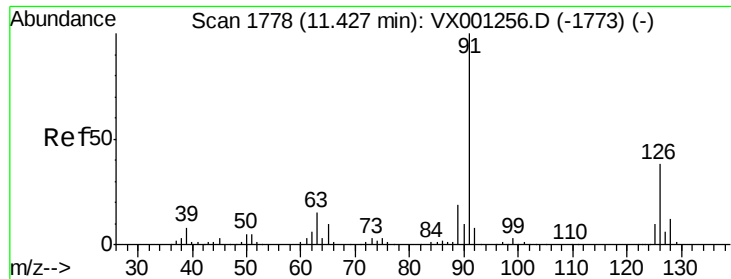
120 24.6 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.05 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD03

Tot Ion: 91 Resp: 131959

Ion Ratio Lower Upper

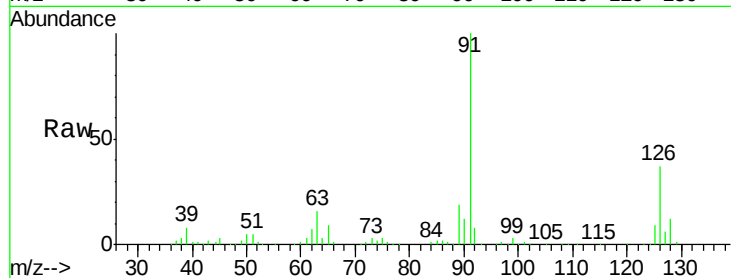
91 100

126 36.3 0.0 71.4

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Abundance Ion 91.00 (90.70 to 91.70): VX001256.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001256.D (-1773) (-)

200000

150000

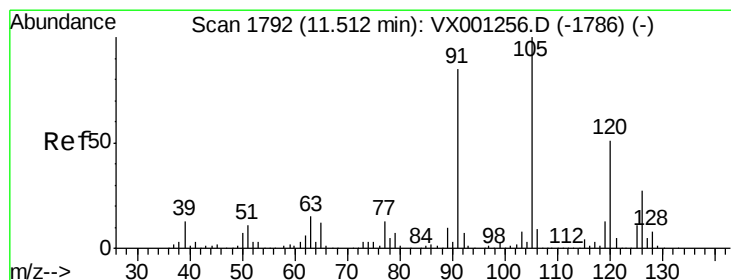
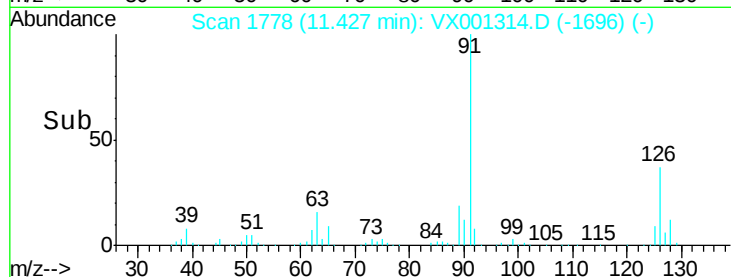
100000

50000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.17 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001314.D

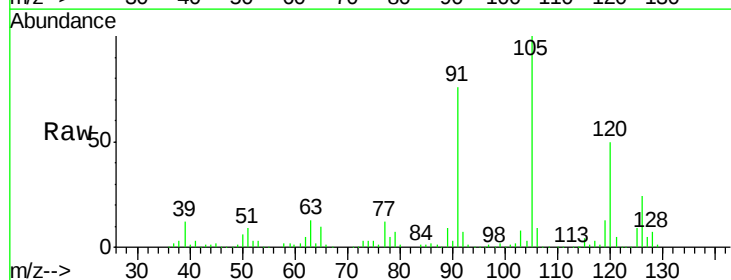
Acq: 02 May 2018 12:54

Tgt Ion: 105 Resp: 166033

Ion Ratio Lower Upper

105 100

120 49.7 0.0 63.8



Abundance Ion 105.00 (104.70 to 105.70): VX001256.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001256.D (-1786) (-)

150000

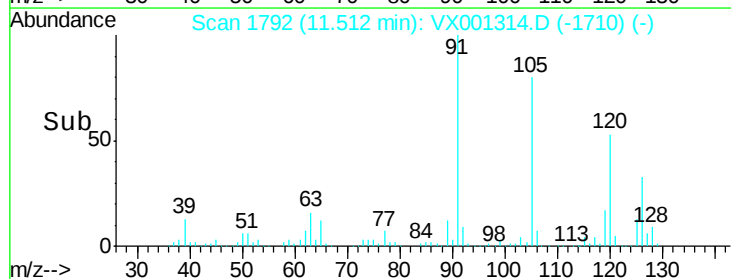
100000

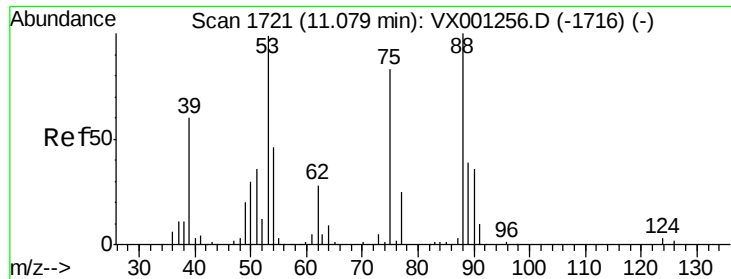
50000

0

11.45 11.50 11.55 11.60

Time-->





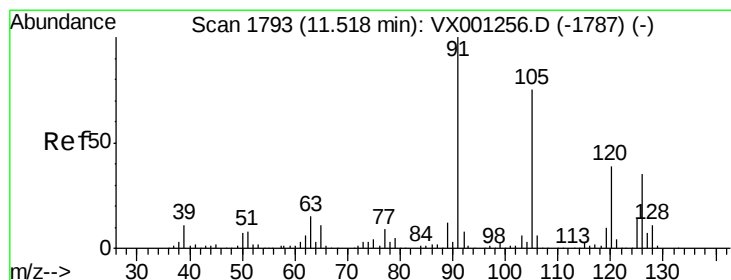
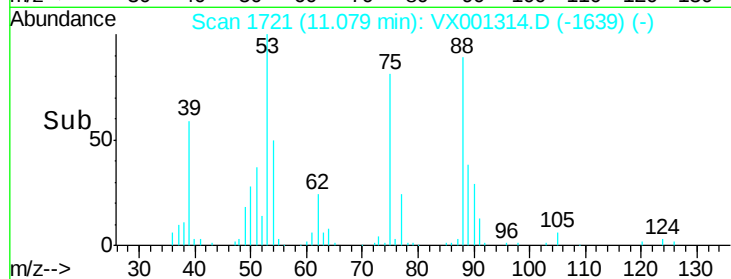
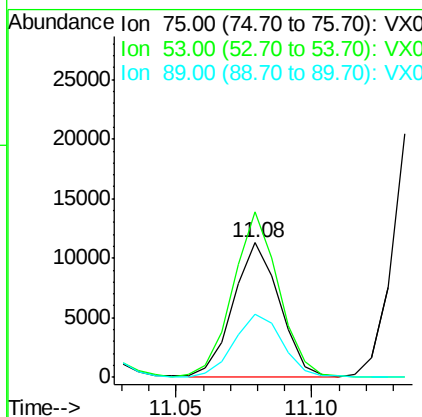
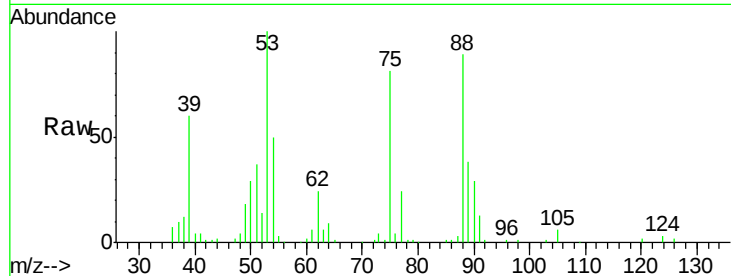
#77
t-1,4-Dichloro-2-butene
Concen: 16.89 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampled :
VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.3	47.8	143.3
89	46.9	22.3	66.8

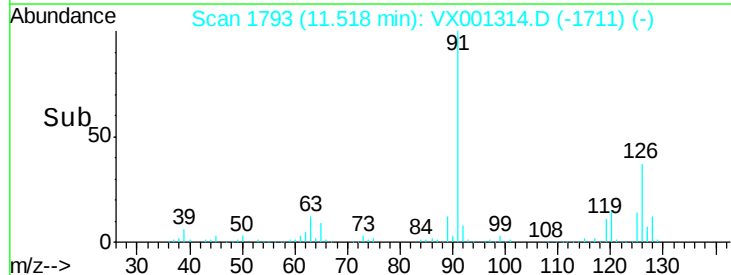
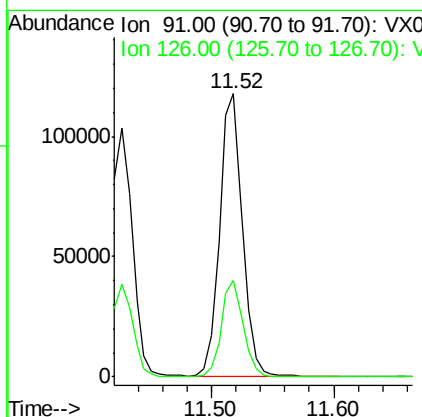
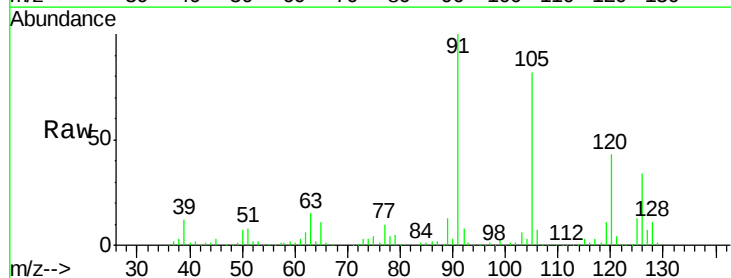
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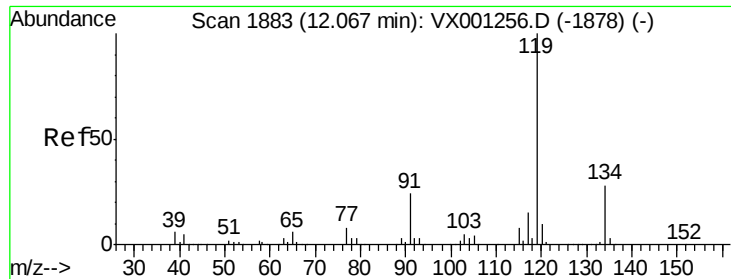
MMDadoda
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#78
4-Chlorotoluene
Concen: 18.44 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	63.4





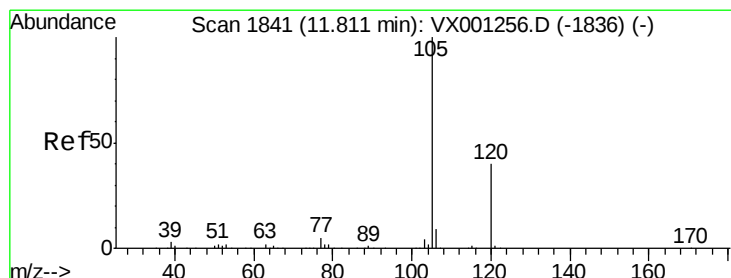
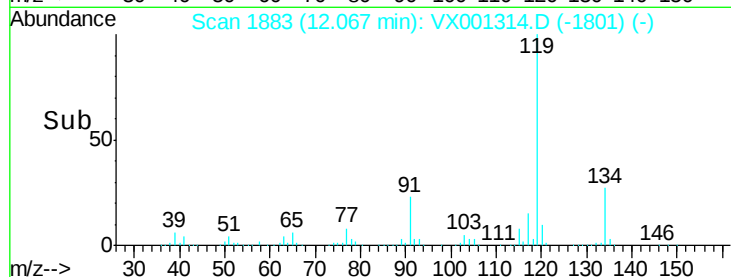
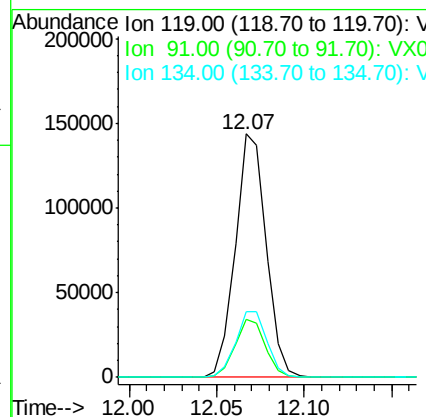
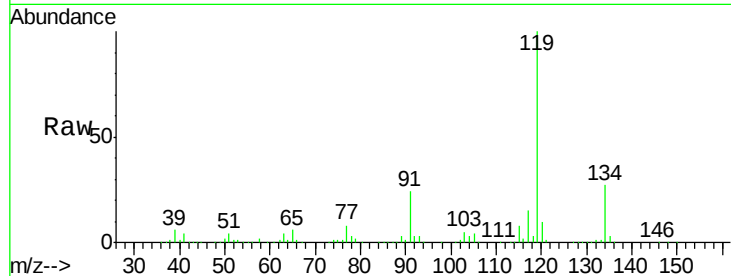
#79
tert-butylbenzene
Concen: 19.01 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	176116		
91	23.5	0.0	51.6	
134	27.5	0.0	60.2	

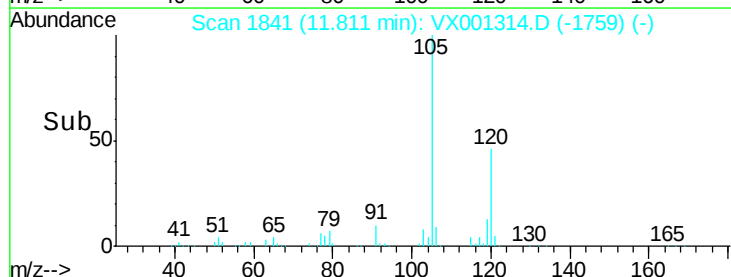
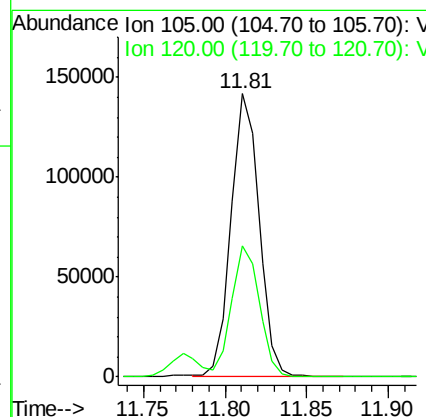
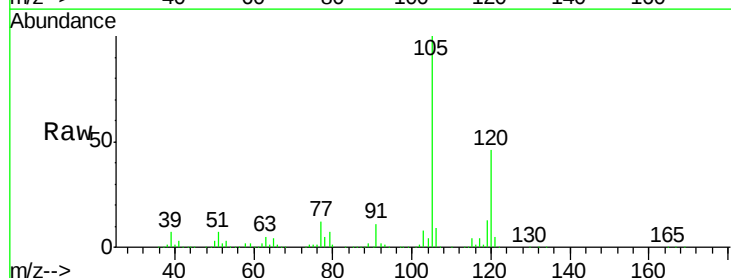
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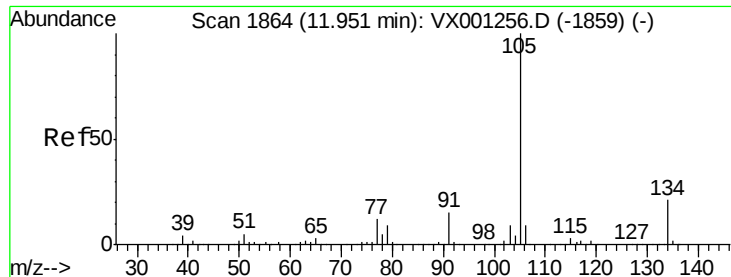
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.29 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001314.D
Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170054		
120	45.8	0.0	93.0	





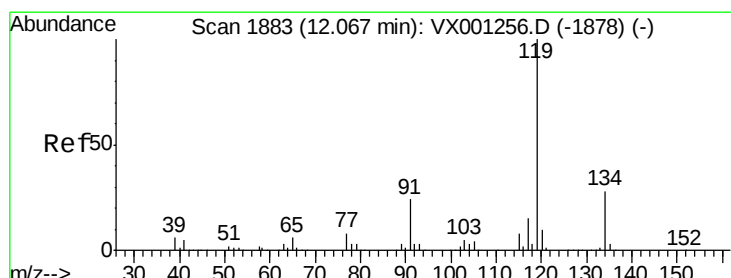
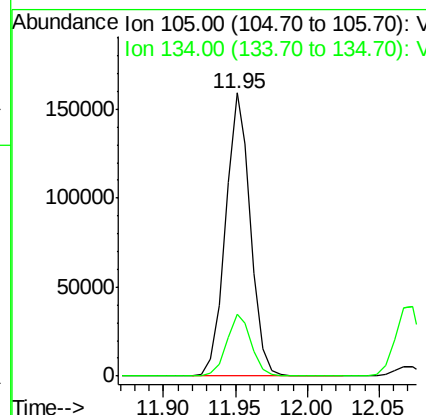
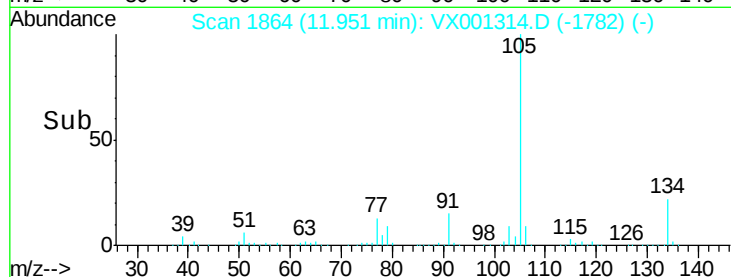
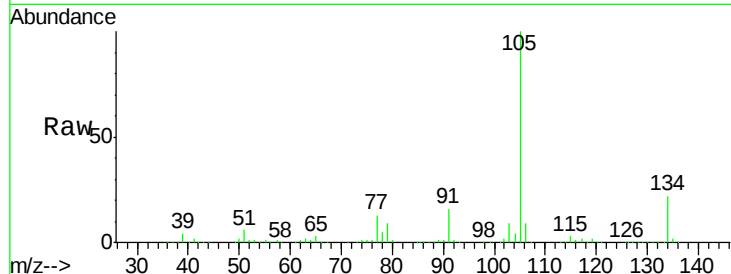
#81
 sec-Butylbenzene
 Concen: 19.18 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion:105 Resp: 192890
 Ion Ratio Lower Upper
 105 100
 134 21.6 0.0 41.8

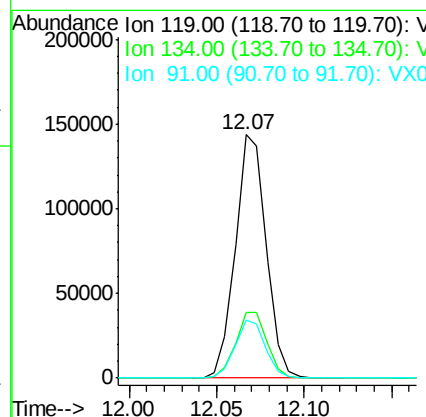
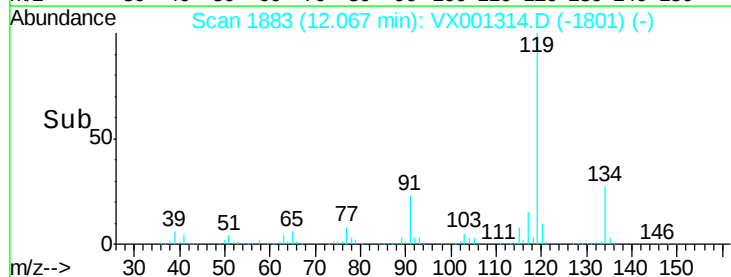
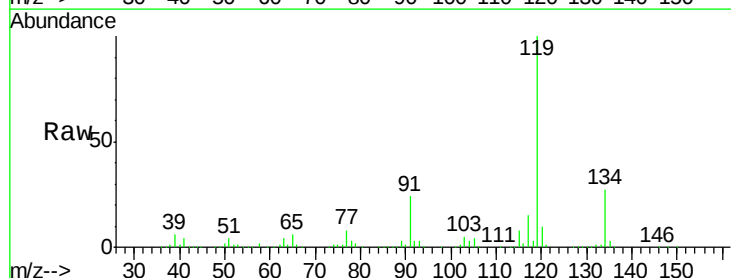
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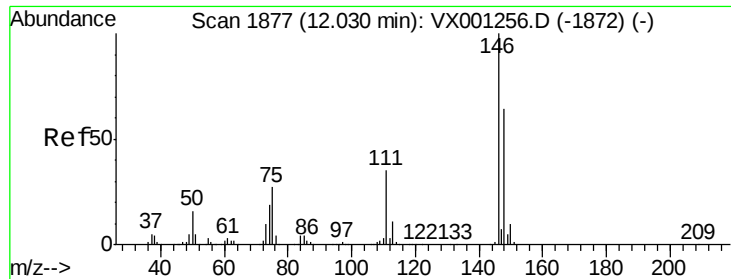
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#82
 p-Isopropyltoluene
 Concen: 19.01 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion:119 Resp: 176116
 Ion Ratio Lower Upper
 119 100
 134 27.5 0.0 54.4
 91 23.5 0.0 46.6





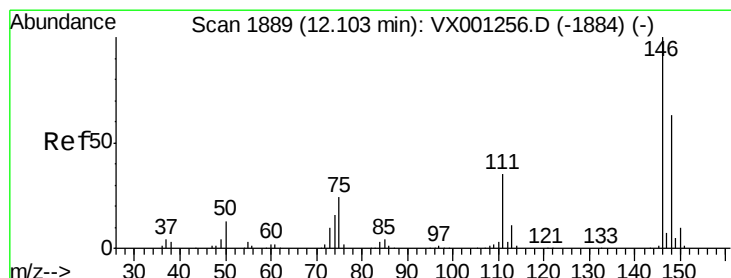
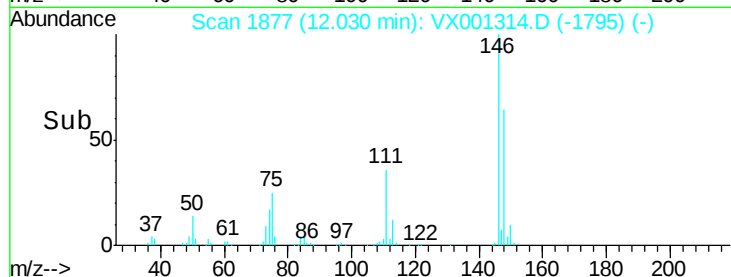
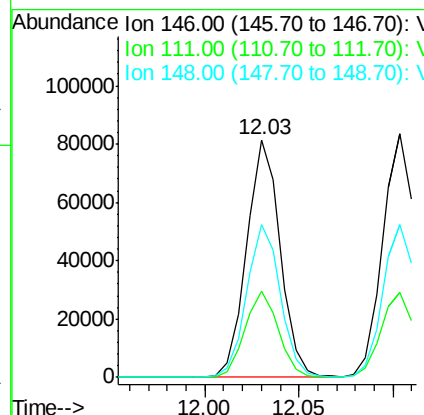
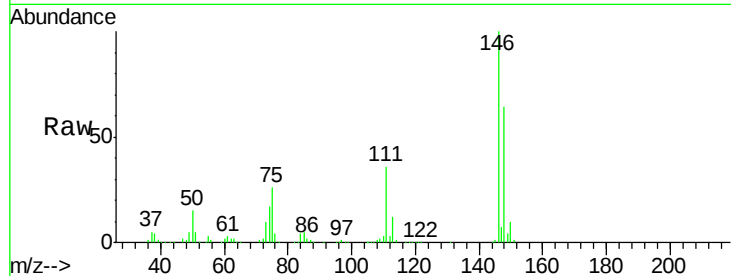
#83
 1,3-Dichlorobenzene
 Concen: 18.68 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	19.4	58.2
148	64.5	32.6	97.7

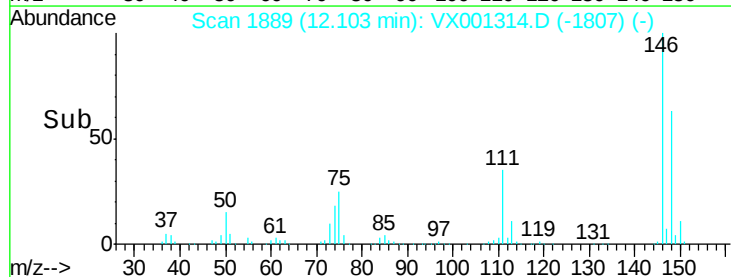
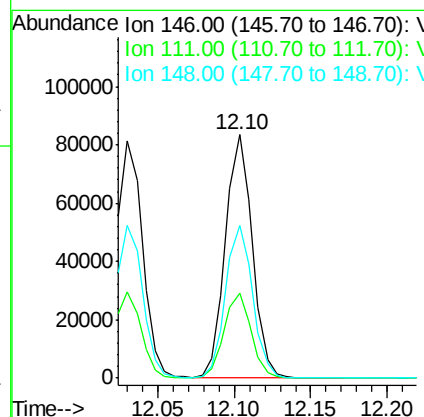
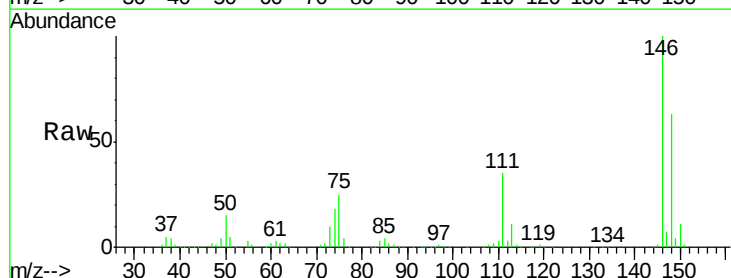
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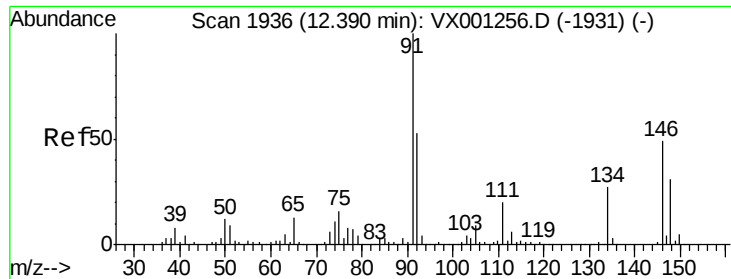
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 18.62 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	18.4	55.0
148	62.7	31.9	95.7





#85

n-Butylbenzene

Concen: 17.99 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

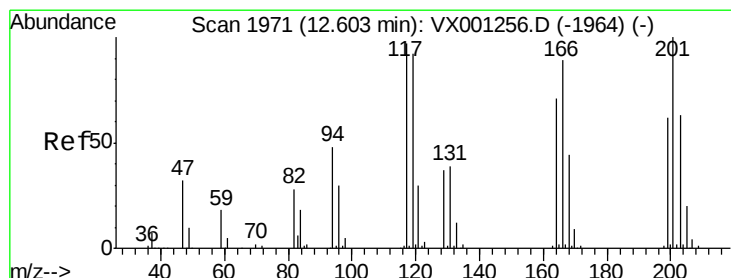
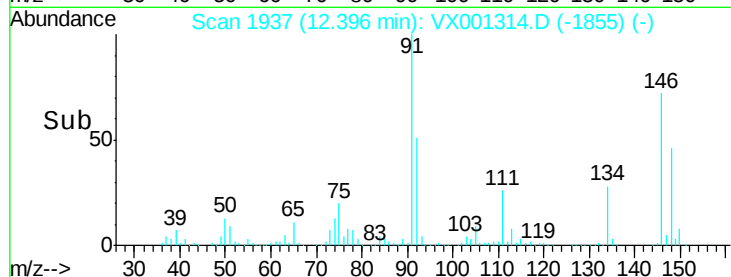
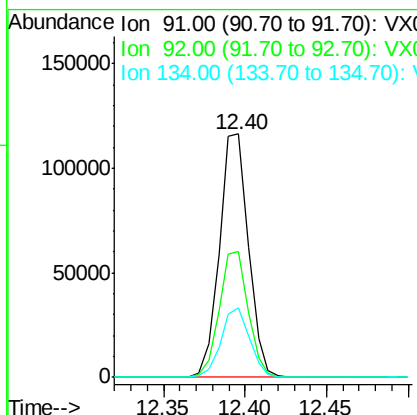
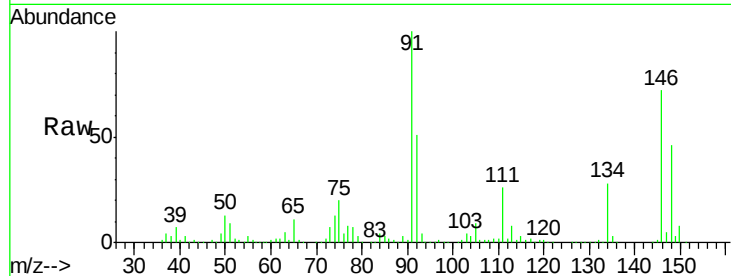
ClientSampleId :

VX0502WBSD03

Tot Ion:	91	Resp:	144189
Ion Ratio	Lower	Upper	
91	100		
92	51.6	0.0	102.0
134	27.9	0.0	54.2

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#86

Hexachloroethane

Concen: 17.42 ug/l

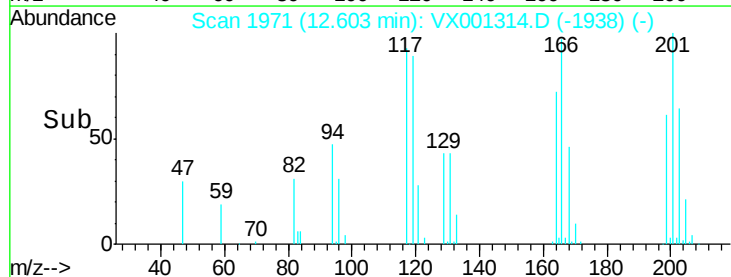
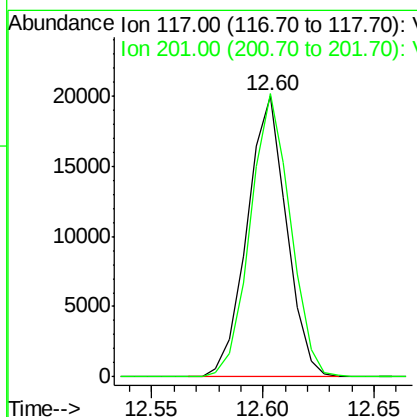
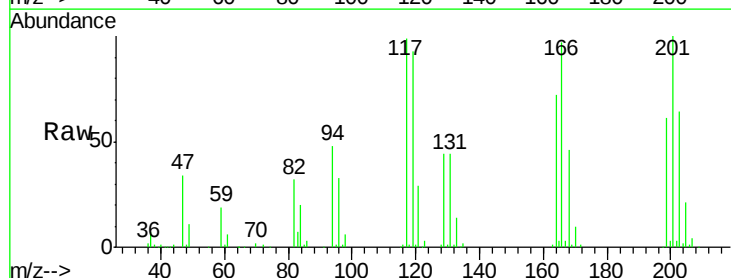
RT: 12.60 min Scan# 1971

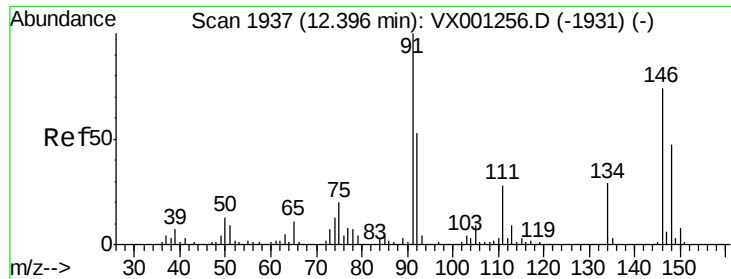
Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Tgt Ion:	117	Resp:	24666
Ion Ratio	Lower	Upper	
117	100		
201	101.7	38.9	116.6





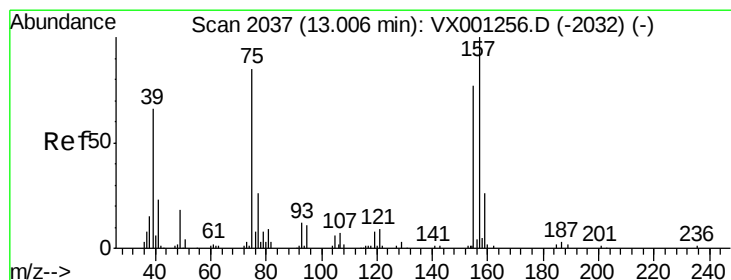
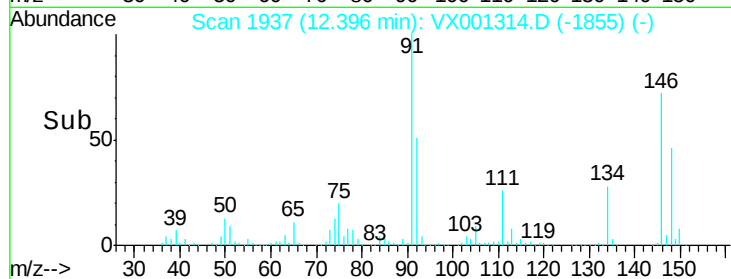
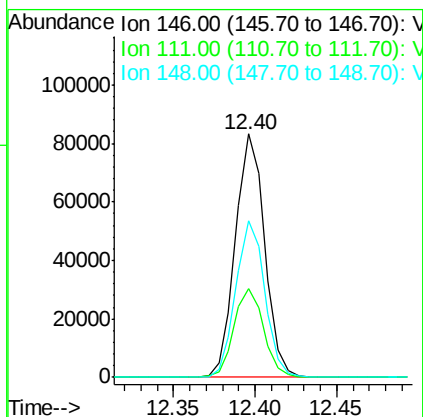
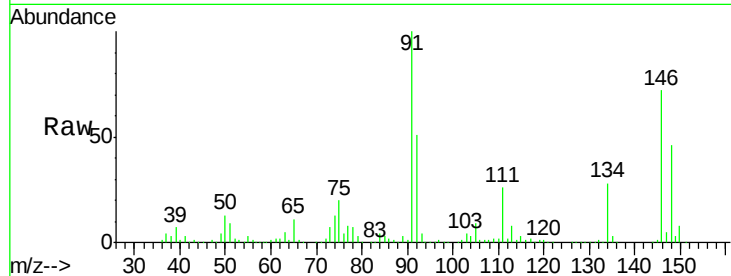
#87
 1,2-Dichlorobenzene
 Concen: 19.49 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		104377		
111	36.9	20.0	60.0		
148	63.8	31.6	95.0		

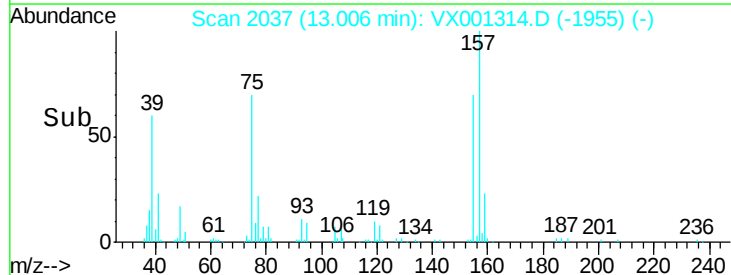
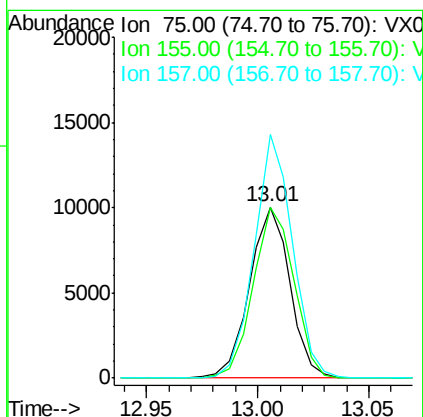
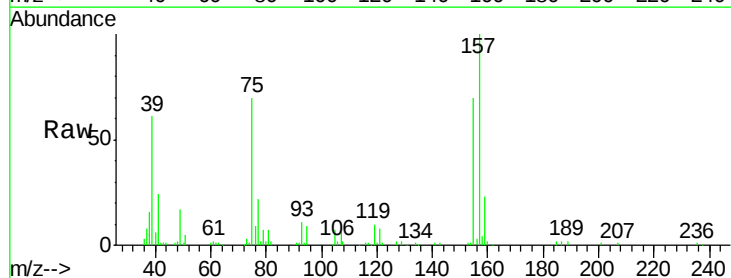
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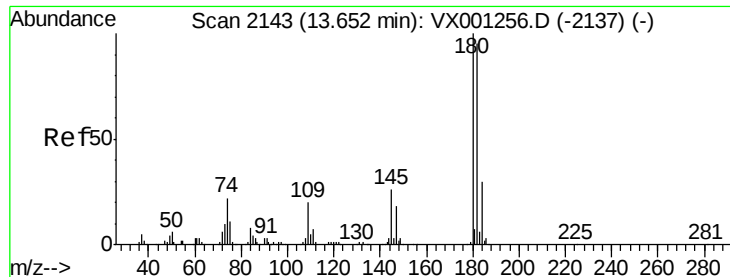
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.36 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100		12686		
155	100.5	75.1	112.7		
157	134.5	99.0	148.4		





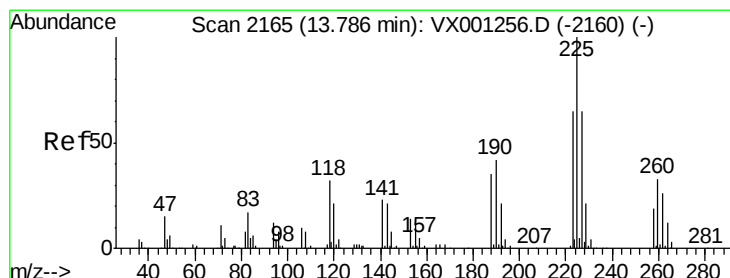
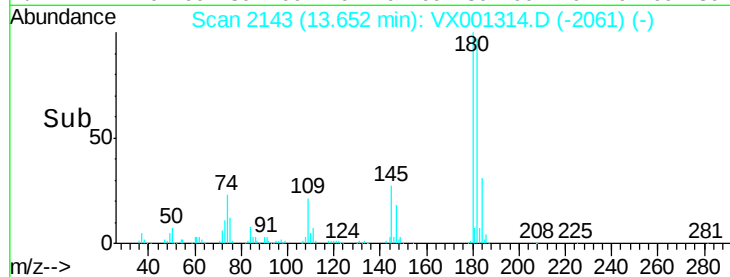
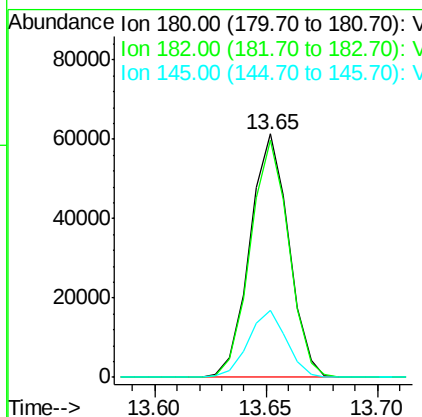
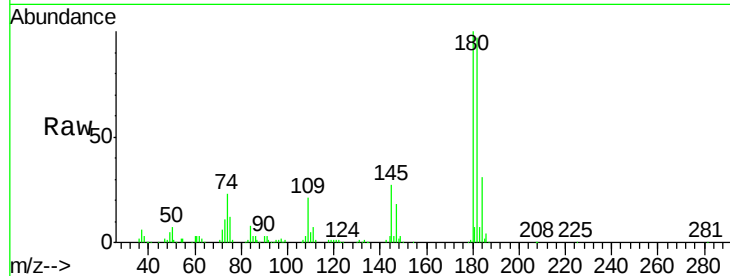
#89
 1,2,4-Trichlorobenzene
 Concen: 18.40 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD03

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.3	114.5
145	27.0	24.6	37.0

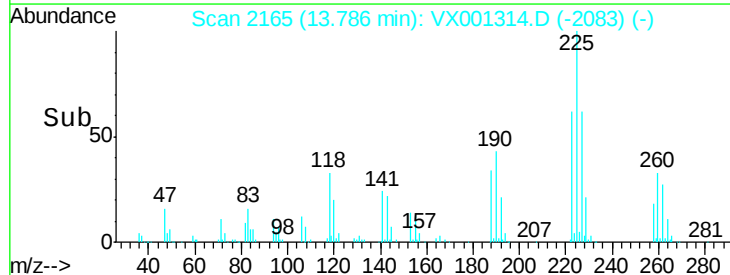
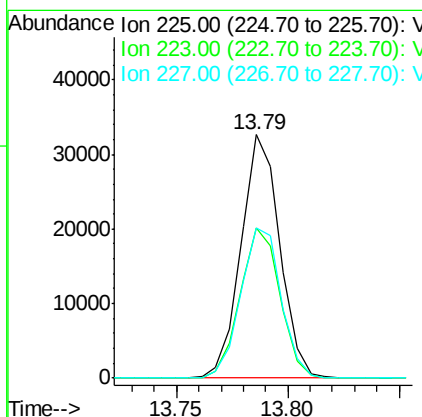
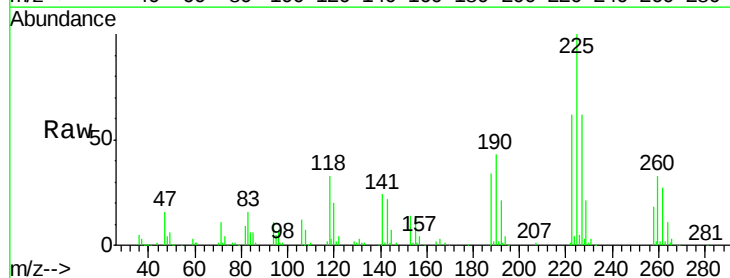
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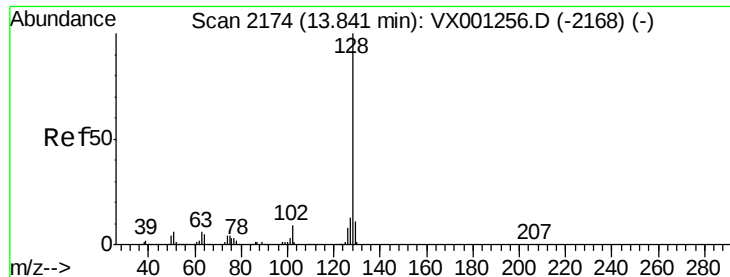
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#90
 Hexachlorobutadiene
 Concen: 21.07 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001314.D
 Acq: 02 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	131.2
227	64.3	0.0	127.6





#91

Naphthalene

Concen: 20.94 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Instrument :

MSVOA_X

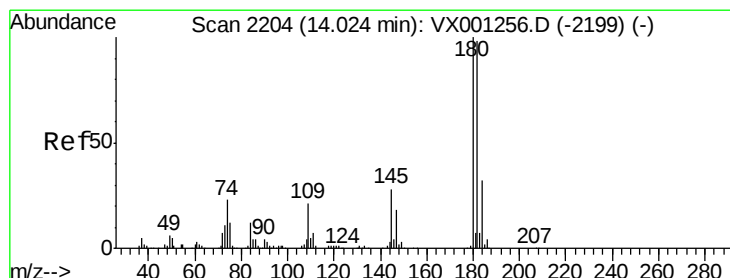
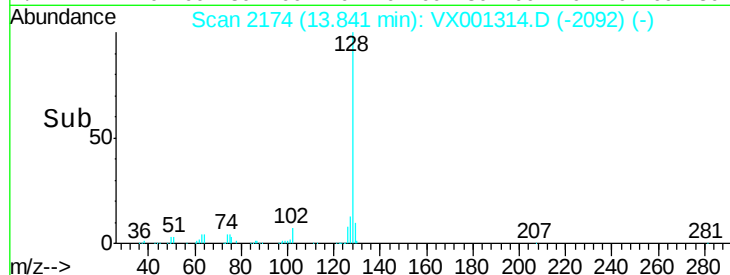
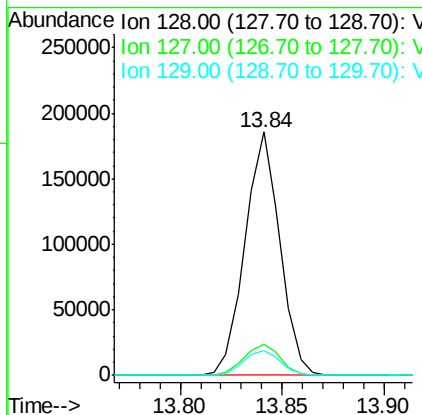
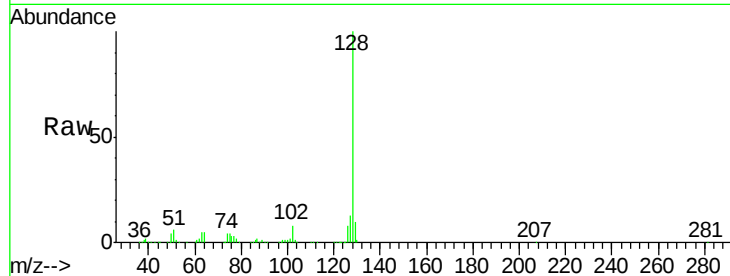
ClientSampleId :

VX0502WBSD03

Tot Ion:	128	Resp:	220405
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.6	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:17 PM



#92

1,2,3-Trichlorobenzene

Concen: 19.69 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001314.D

Acq: 02 May 2018 12:54

Tgt Ion:	180	Resp:	78862
Ion Ratio	Lower	Upper	
180	100		
182	96.8	0.0	188.6
145	28.6	0.0	65.8

