

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030719\
 Data File : VX007882.D
 Acq On : 07 Mar 2019 14:31
 Operator : JC/SP
 Sample : VX0307WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:40:40 AM

Quant Time: Mar 08 05:59:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	269412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	399622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171007	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	150409	52.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.84%		
35) Dibromofluoromethane	5.50	113	129990	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.70%		
50) Toluene-d8	8.71	98	472065	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.56%		
62) 4-Bromofluorobenzene	11.13	95	164849	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	42732	18.565	ug/l	98
3) Chloromethane	1.33	50	57143	19.264	ug/l	99
4) Vinyl Chloride	1.41	62	56878	19.298	ug/l	99
5) Bromomethane	1.64	94	29522	20.683	ug/l	98
6) Chloroethane	1.73	64	36614	18.700	ug/l	99
7) Trichlorofluoromethane	1.93	101	72122	18.795	ug/l	98
8) Diethyl Ether	2.19	74	33078	19.906	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	43869	18.448	ug/l	99
10) Methyl Iodide	2.51	142	67710	20.071	ug/l	100
11) Tert butyl alcohol	3.07	59	66846	105.174	ug/l	99
12) 1,1-Dichloroethene	2.38	96	43591	19.017	ug/l	99
13) Acrolein	2.30	56	37804	105.999	ug/l	97
14) Allyl chloride	2.73	41	91844	19.068	ug/l	98
15) Acrylonitrile	3.15	53	158743	98.951	ug/l	99
16) Acetone	2.45	43	133204	80.976	ug/l	99
17) Carbon Disulfide	2.57	76	132032	18.687	ug/l	100
18) Methyl Acetate	2.78	43	71153	20.360	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	158884	20.148	ug/l	100
20) Methylene Chloride	2.86	84	51007	19.483	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	46966	18.621	ug/l	98
22) Diisopropyl ether	3.87	45	178046	20.165	ug/l	98
23) Vinyl Acetate	3.82	43	771704	99.669	ug/l	100
24) 1,1-Dichloroethane	3.70	63	92740	19.518	ug/l	100
25) 2-Butanone	4.70	43	220207	94.555	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53826	17.099	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	55217	19.132	ug/l	99
28) Bromochloromethane	5.02	49	44738	20.196	ug/l	98
29) Tetrahydrofuran	5.15	42	147225	101.347	ug/l	99
30) Chloroform	5.21	83	89090	19.821	ug/l	99
31) Cyclohexane	5.57	56	79729	18.257	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	71727	19.234	ug/l	99
36) 1,1-Dichloropropene	5.80	75	65261	18.035	ug/l	100
37) Ethyl Acetate	4.85	43	83051	19.341	ug/l	100
38) Carbon Tetrachloride	5.78	117	61467	17.893	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	77113	17.587	ug/l	97
40) Benzene	6.14	78	207920	19.301	ug/l	99
41) Methacrylonitrile	5.06	41	46523	19.872	ug/l	98
42) 1,2-Dichloroethane	6.20	62	69258	19.659	ug/l	99
43) Isopropyl Acetate	6.46	43	123377	19.414	ug/l	100
44) Trichloroethene	7.21	130	53685	18.084	ug/l	99
45) 1,2-Dichloropropane	7.52	63	55741	19.591	ug/l	99
46) Dibromomethane	7.66	93	35023	19.451	ug/l	100
47) Bromodichloromethane	7.90	83	64349	18.849	ug/l	100
48) Methyl methacrylate	7.77	41	64466	19.294	ug/l	99
49) 1,4-Dioxane	7.75	88	27242	396.905	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	411524	100.692	ug/l	100
52) Toluene	8.79	92	125162	19.031	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	65942	18.507	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	75831	18.846	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52830	19.843	ug/l	98
56) Ethyl methacrylate	9.18	69	79674	19.931	ug/l	99
57) 1,3-Dichloropropane	9.37	76	88533	19.805	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	210933	102.009	ug/l	100
59) 2-Hexanone	9.49	43	308753	97.306	ug/l	100
60) Dibromochloromethane	9.58	129	53079	19.074	ug/l	98
61) 1,2-Dibromoethane	9.67	107	55250	19.546	ug/l	99
64) Tetrachloroethene	9.34	164	53385	18.520	ug/l	99
65) Chlorobenzene	10.14	112	136651	18.773	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	50008	19.169	ug/l	99
67) Ethyl Benzene	10.25	91	224567	18.742	ug/l	99
68) m/p-Xylenes	10.36	106	173101	37.480	ug/l	99
69) o-Xylene	10.69	106	84443	18.938	ug/l	100
70) Styrene	10.71	104	139512	19.120	ug/l	99
71) Bromoform	10.85	173	41145	18.365	ug/l #	99
73) Isopropylbenzene	11.02	105	225396	19.489	ug/l	99
74) N-amyl acetate	10.90	43	104129	19.722	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	79575	19.947	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	74721m	20.823	ug/l	
77) Bromobenzene	11.26	156	60802	19.175	ug/l	99
78) n-propylbenzene	11.36	91	246730	19.230	ug/l	100
79) 2-Chlorotoluene	11.42	91	148639	18.947	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	185907	19.530	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19889	17.717	ug/l	92
82) 4-Chlorotoluene	11.51	91	169596	18.864	ug/l	100
83) tert-Butylbenzene	11.77	119	181945	18.975	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	189207	19.390	ug/l	100
85) sec-Butylbenzene	11.94	105	217312	19.243	ug/l	99
86) p-Isopropyltoluene	12.06	119	194282	19.210	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	104459	18.621	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	105700	18.399	ug/l	99
89) n-Butylbenzene	12.38	91	156583	18.275	ug/l	100
90) Hexachloroethane	12.60	117	30451	18.008	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	106472	19.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15543	18.642	ug/l	99

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ClientSampleId :
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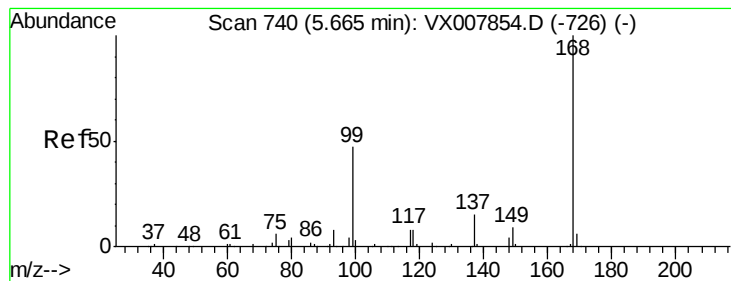
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	71318	18.217	ug/l	99
94) Hexachlorobutadiene	13.78	225	38499	18.810	ug/l	98
95) Naphthalene	13.83	128	216604	19.202	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	73740	18.908	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion:168 Resp: 269412

Ion Ratio Lower Upper

168 100

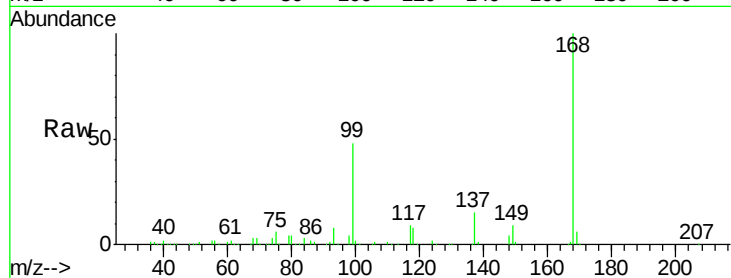
99 47.7 37.6 56.4

Manual Integrations

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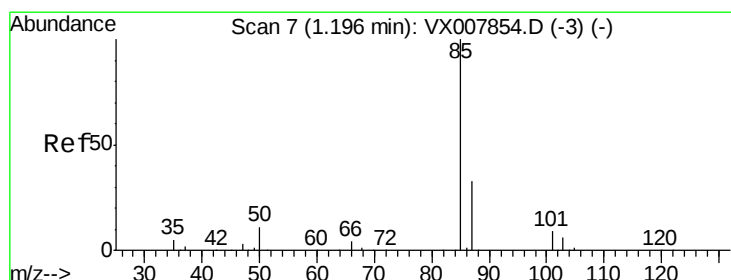
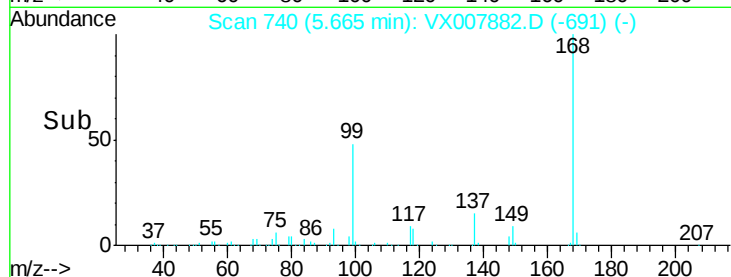
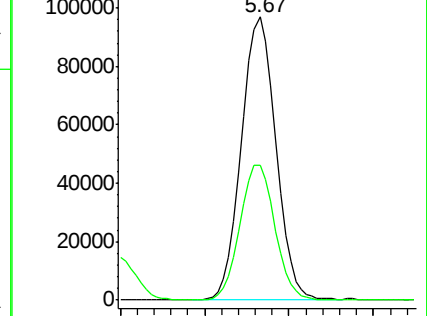
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.565 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007882.D

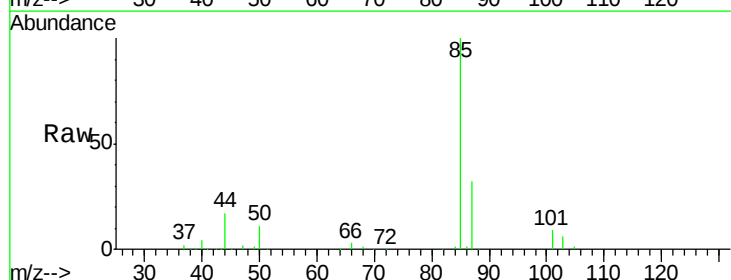
Acq: 07 Mar 2019 14:31

Tgt Ion: 85 Resp: 42732

Ion Ratio Lower Upper

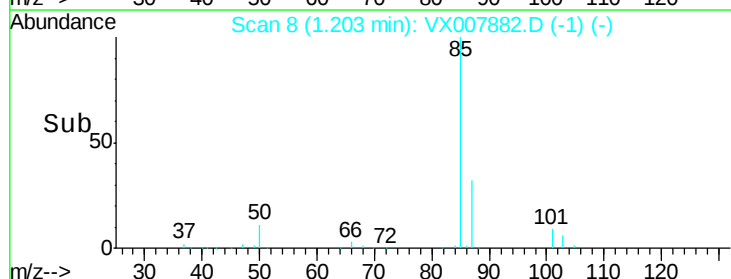
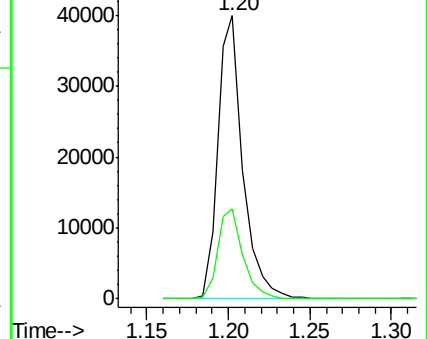
85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.264 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion: 50 Resp: 57143

Ion Ratio Lower Upper

50 100

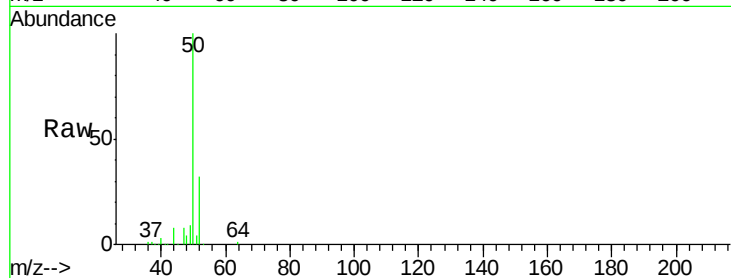
52 32.3 26.5 39.7

Manual Integrations

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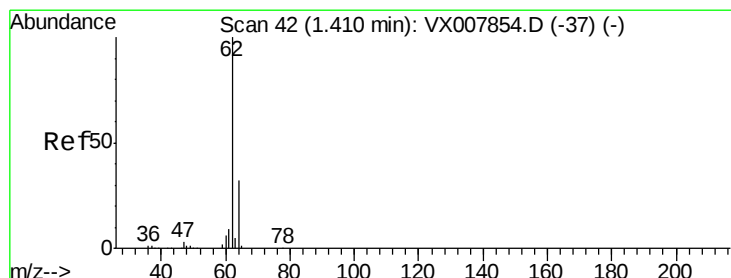
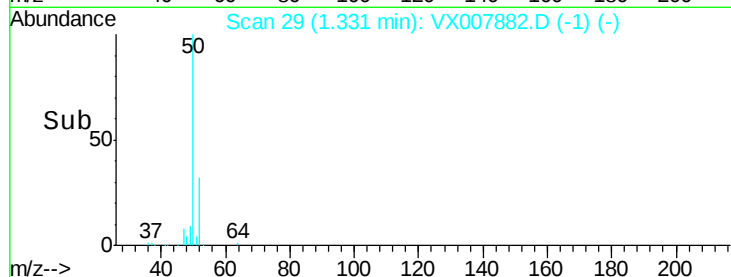
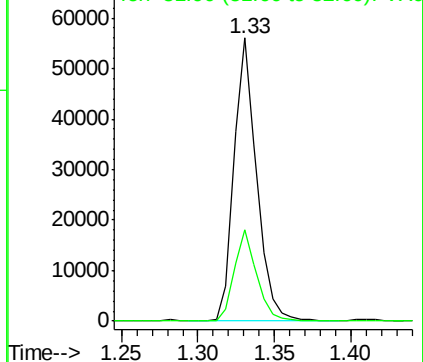
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.298 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007882.D

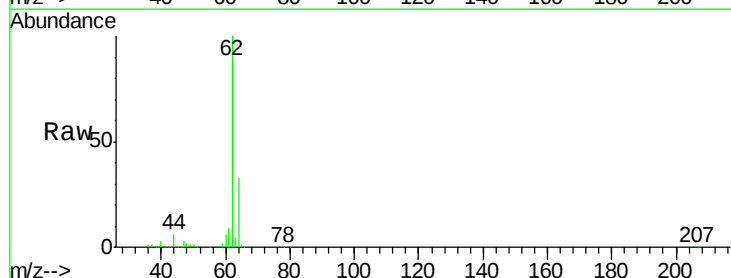
Acq: 07 Mar 2019 14:31

Tgt Ion: 62 Resp: 56878

Ion Ratio Lower Upper

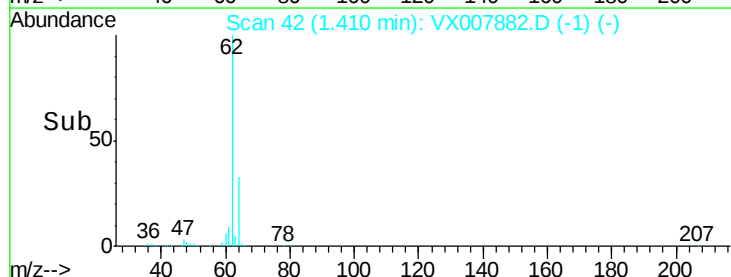
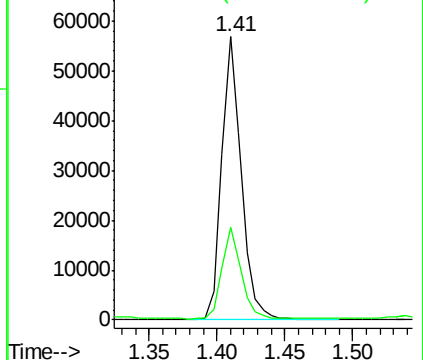
62 100

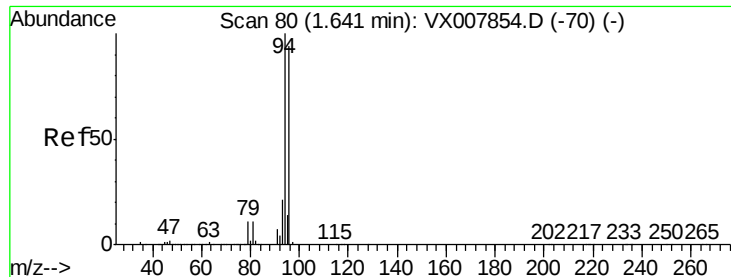
64 32.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.683 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion: 94 Resp: 29522

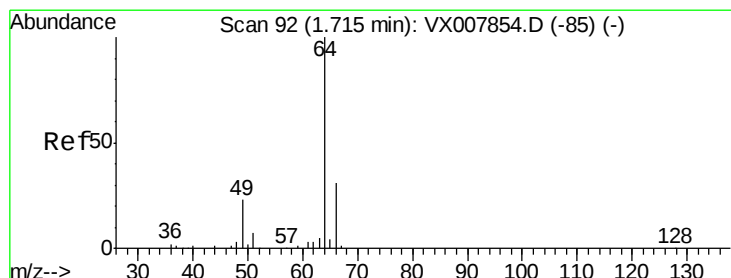
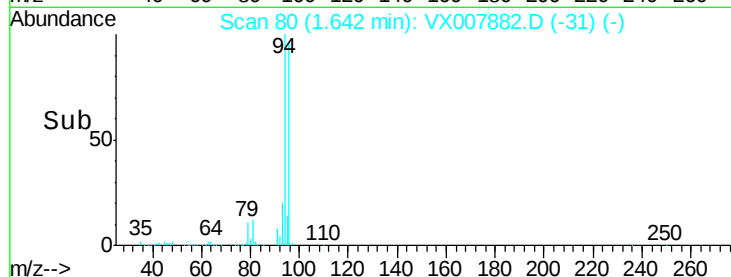
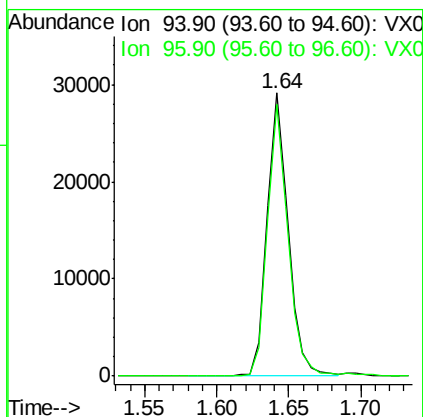
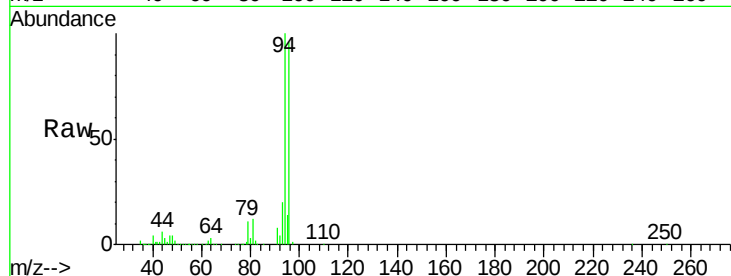
Ion Ratio Lower Upper

94 100

96 95.9 75.5 113.3

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#6

Chloroethane

Concen: 18.700 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007882.D

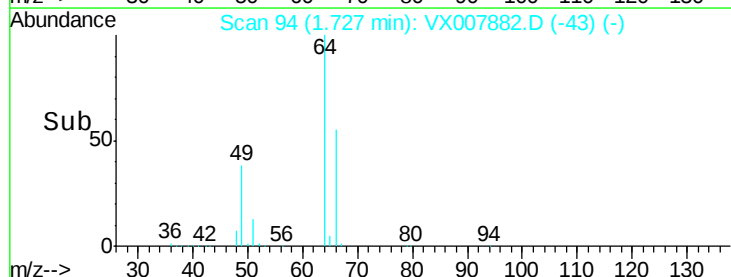
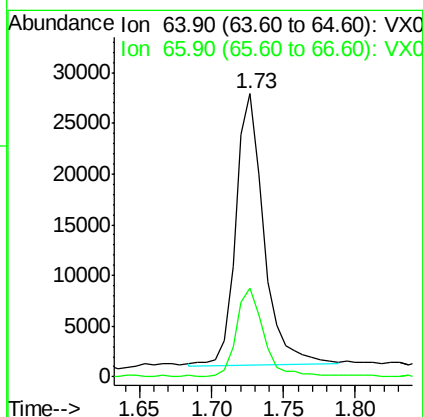
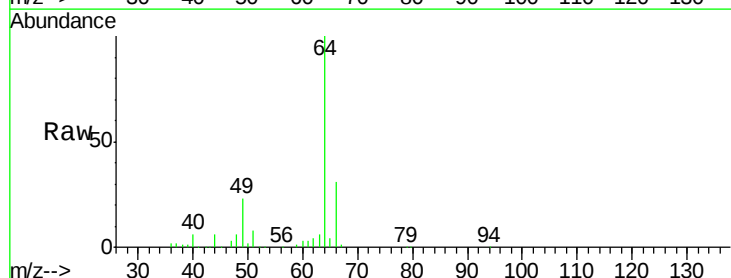
Acq: 07 Mar 2019 14:31

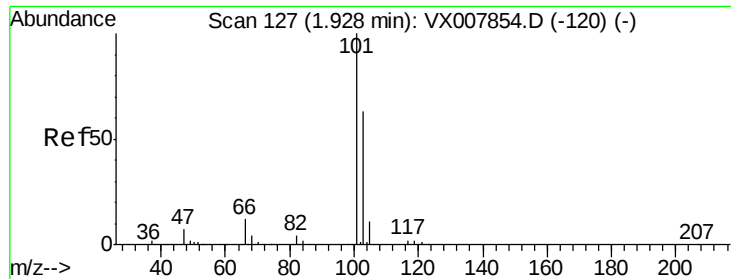
Tgt Ion: 64 Resp: 36614

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8





#7

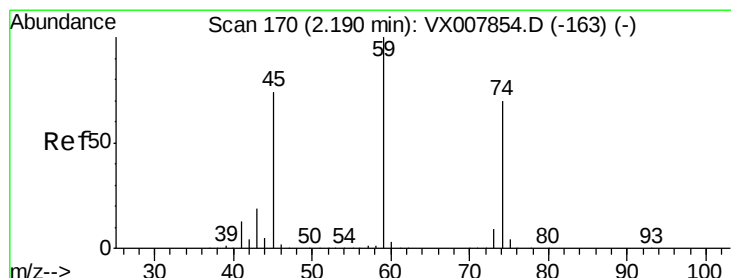
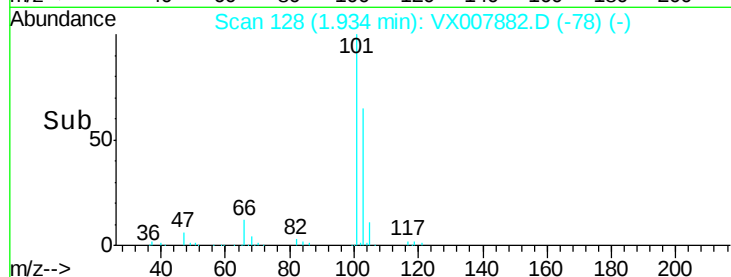
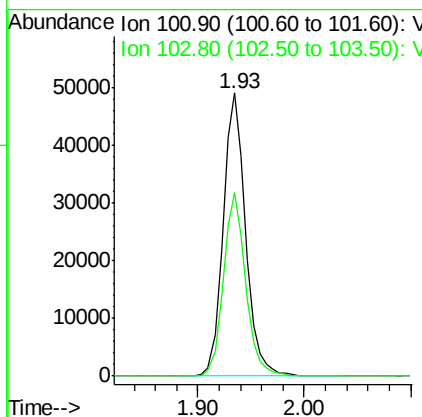
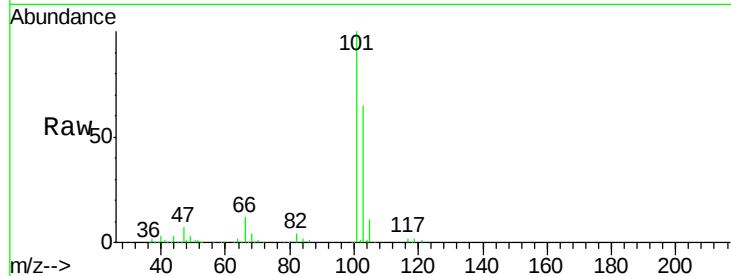
Trichlorofluoromethane
Concen: 18.795 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
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ClientSampleId :
VX0307WBSD01

Tot Ion:101 Resp: 72122
Ion Ratio Lower Upper
101 100
103 64.7 50.4 75.6

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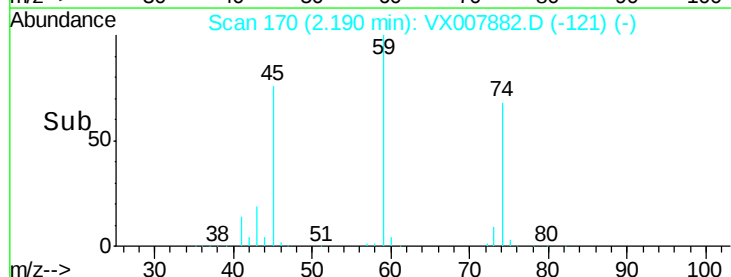
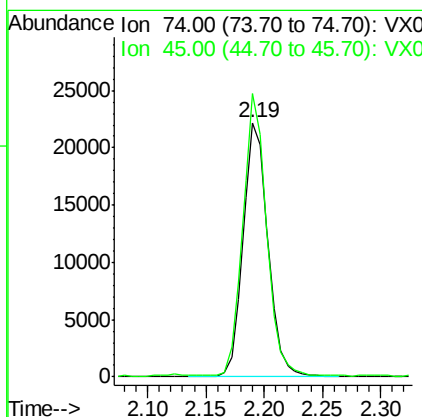
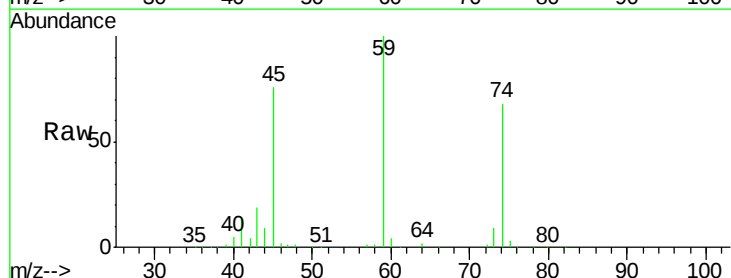
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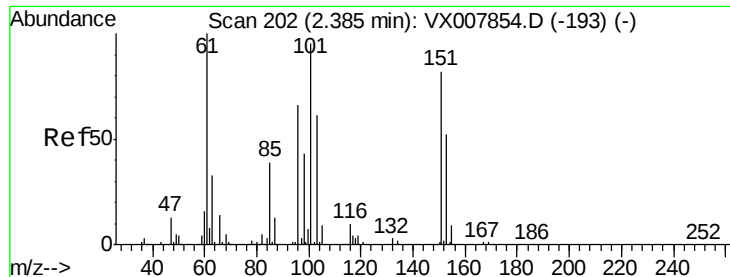


#8

Diethyl Ether
Concen: 19.906 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion: 74 Resp: 33078
Ion Ratio Lower Upper
74 100
45 106.1 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.448 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

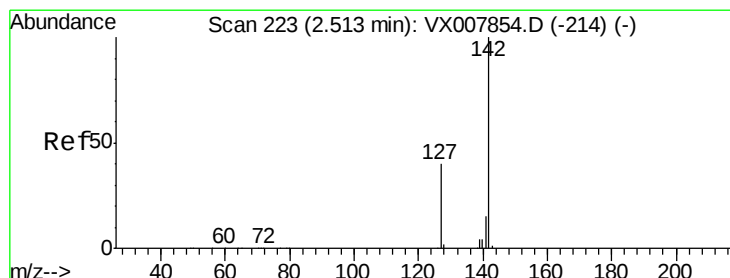
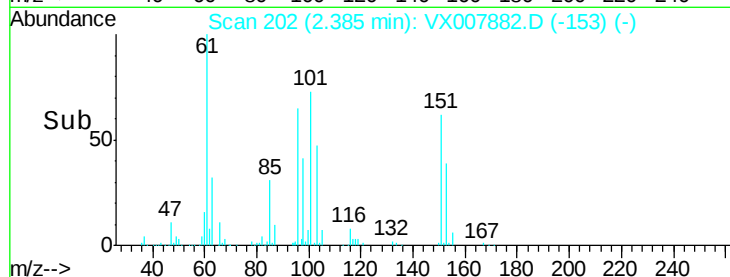
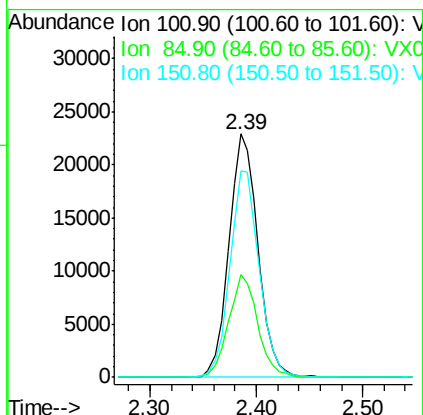
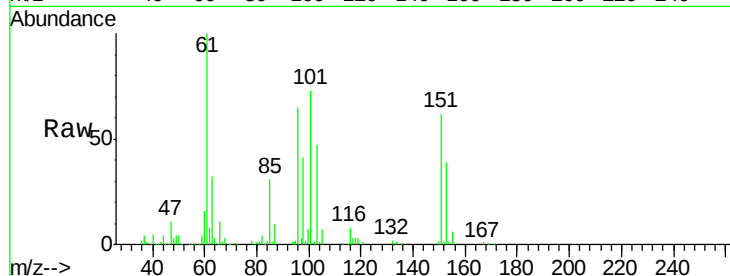
ClientSampleId :

VX0307WBSD01

Tot Ion:	101	Resp:	43869
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.8	50.6
151	85.7	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.071 ug/l

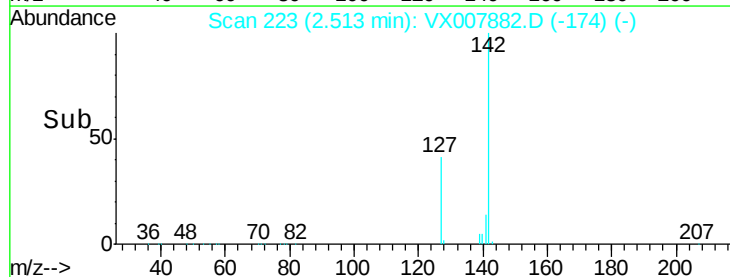
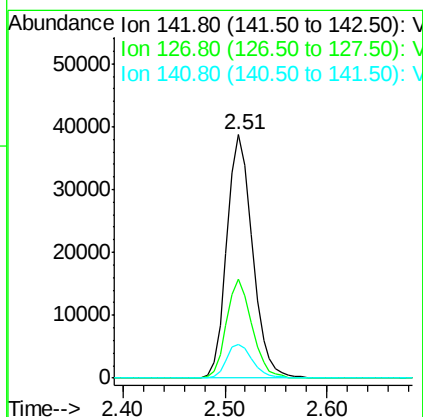
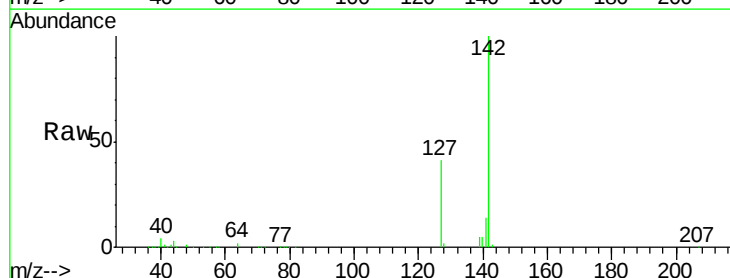
RT: 2.51 min Scan# 223

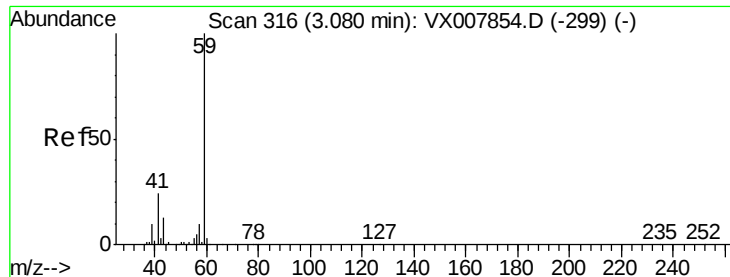
Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	142	Resp:	67710
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.1	48.1
141	14.0	11.4	17.2





#11

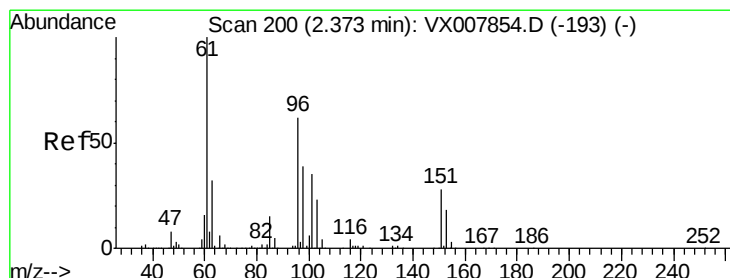
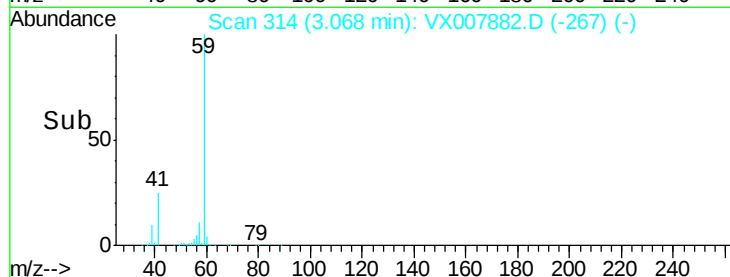
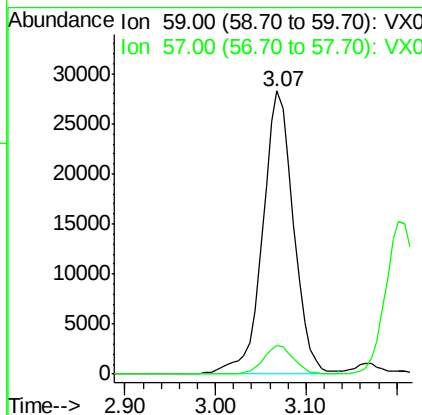
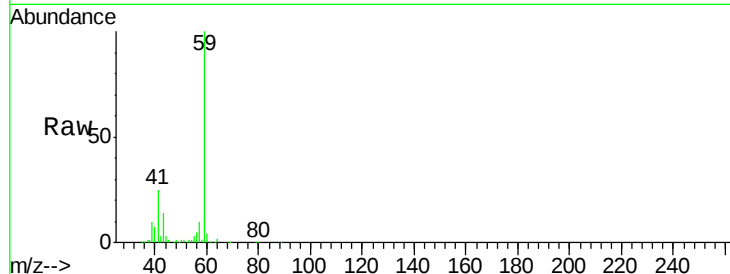
Tert butyl alcohol
Concen: 105.174 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

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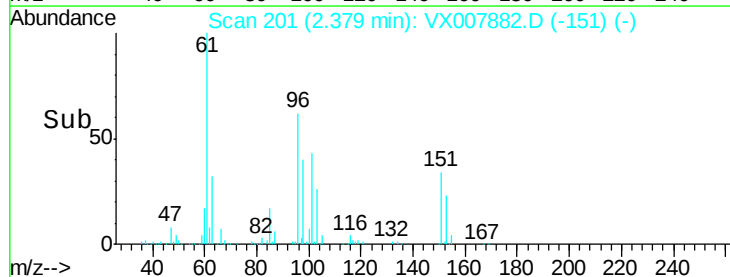
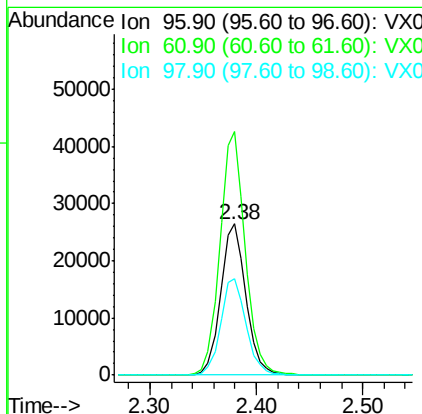
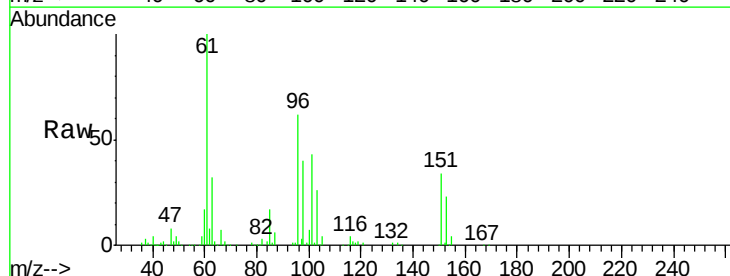
MMDadoda
3/8/2019 9:40:40 AM

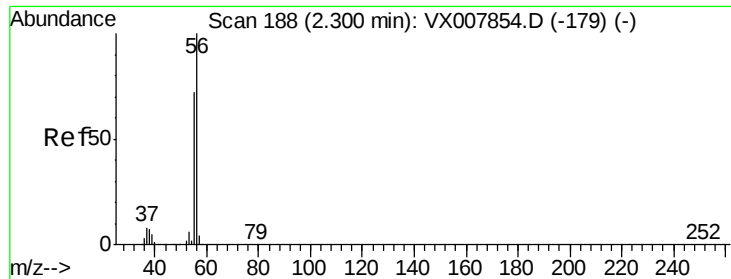


#12

1,1-Dichloroethene
Concen: 19.017 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	129.8	194.6
98	64.0	51.0	76.6





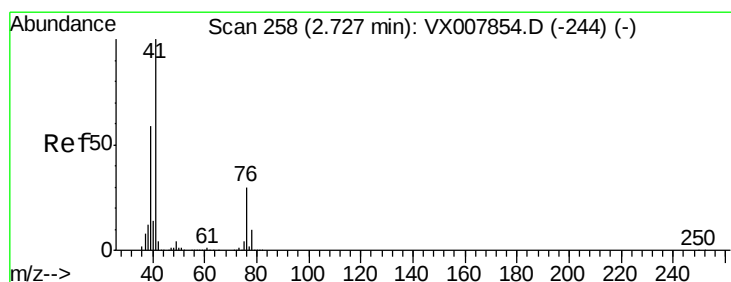
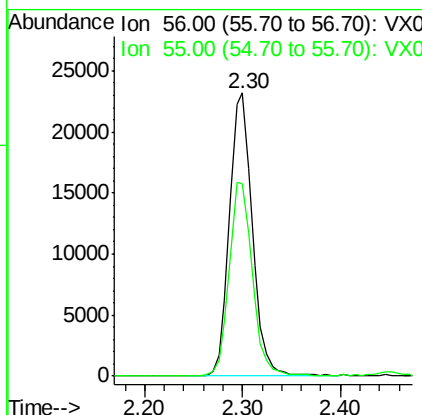
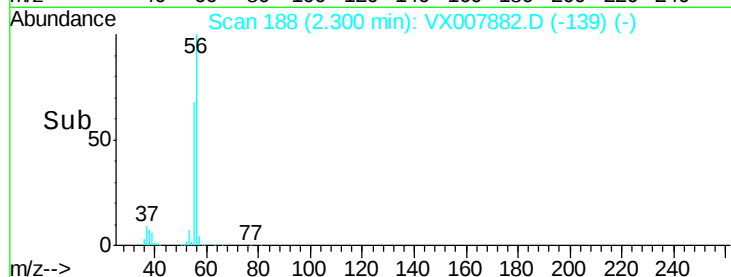
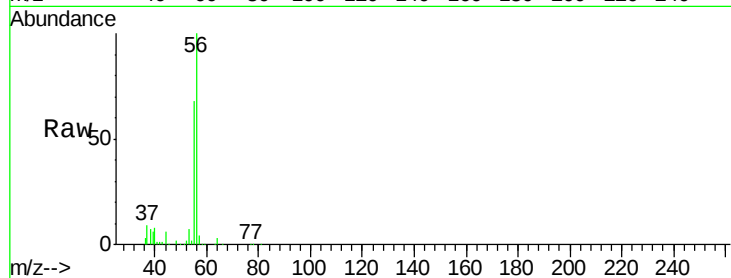
#13
Acrolein
Concen: 105.999 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion	56	Resp	37804
Ion Ratio	100	Lower	Upper
55	69.9	57.8	86.6

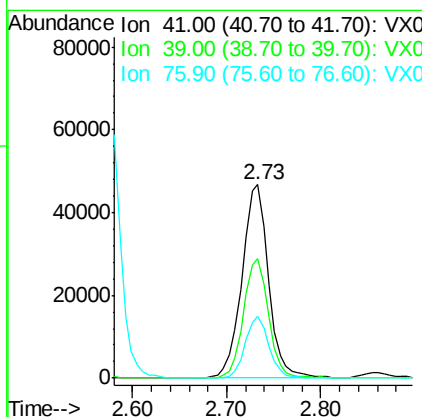
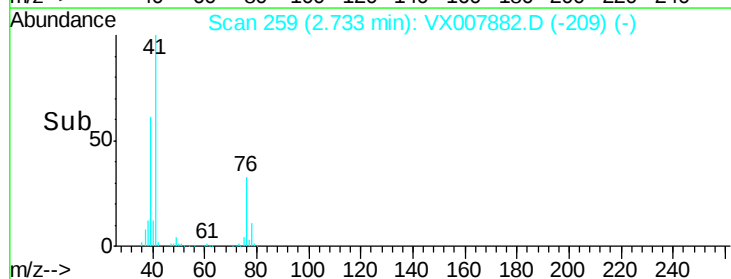
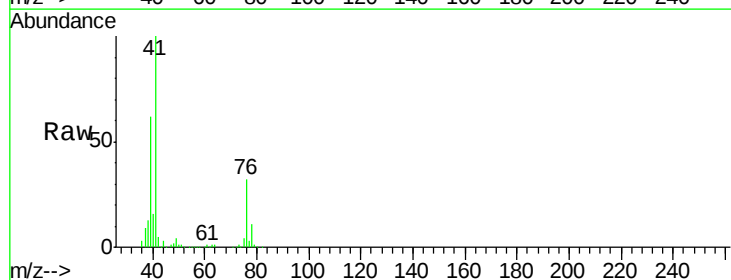
Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:40 AM



#14
Allyl chloride
Concen: 19.068 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion	41	Resp	91844
Ion Ratio	100	Lower	Upper
39	59.0	46.1	69.1
76	29.2	24.0	36.0





#15

Acrylonitrile

Concen: 98.951 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

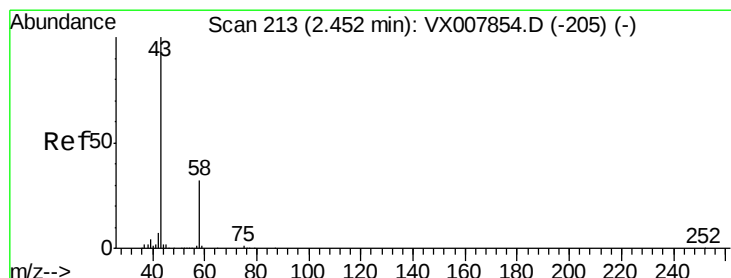
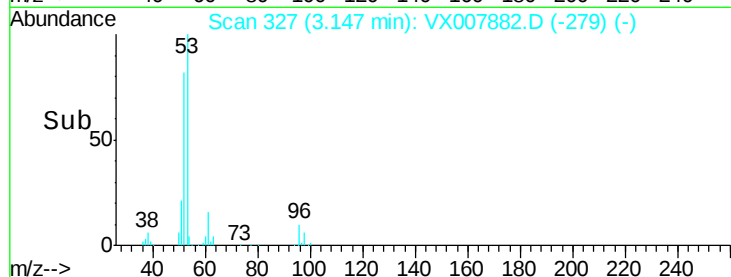
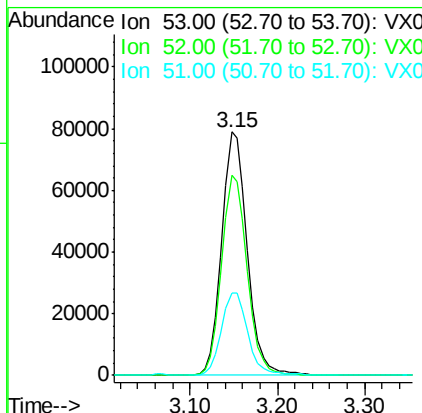
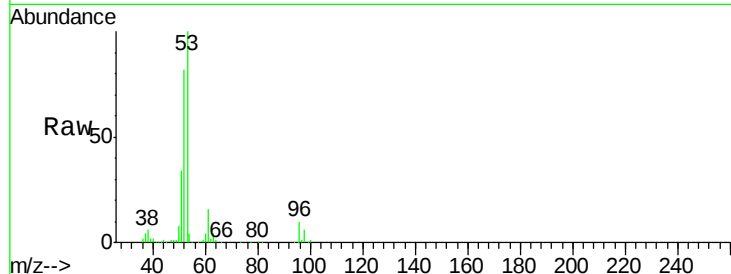
ClientSampled :

VX0307WBSD01

Tot Ion:	53	Resp:	158743
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.0	99.0
51	35.8	28.0	42.0

Manual Integrations
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3/8/2019 9:40:40 AM



#16

Acetone

Concen: 80.976 ug/l

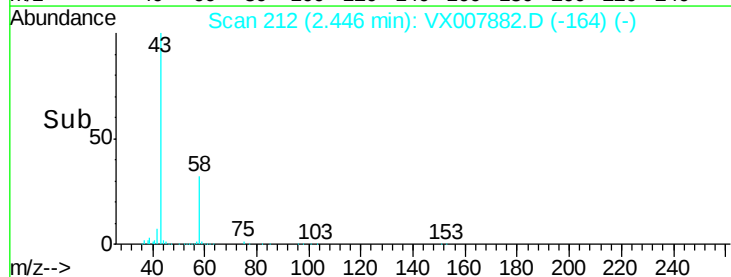
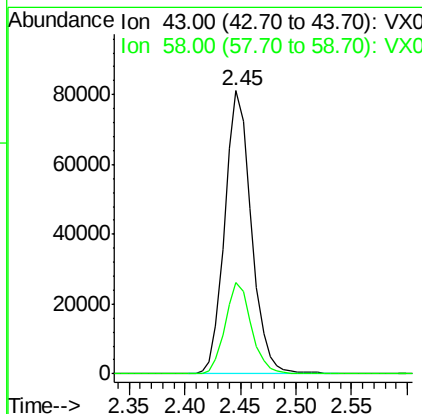
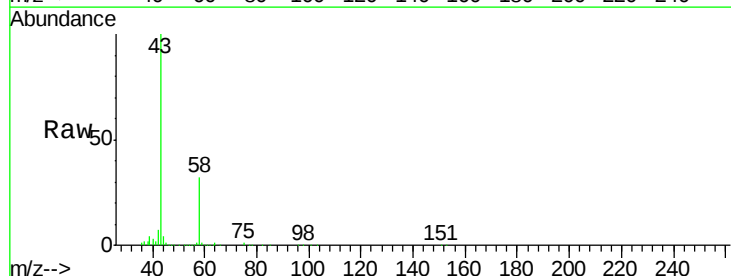
RT: 2.45 min Scan# 212

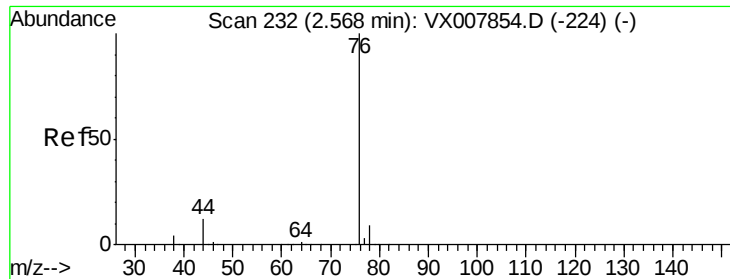
Delta R.T. -0.01 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	43	Resp:	133204
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.5	38.3





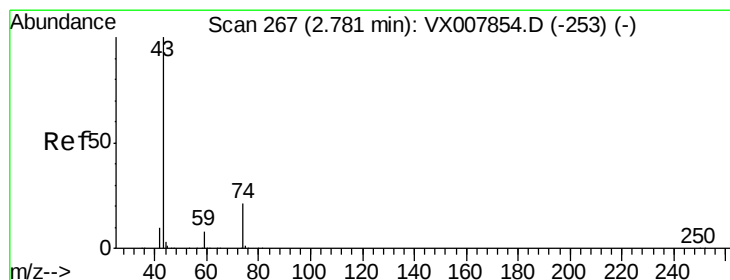
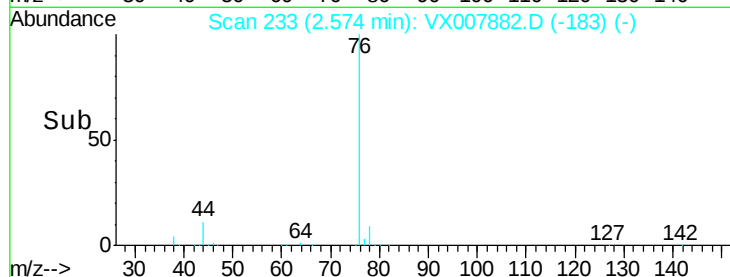
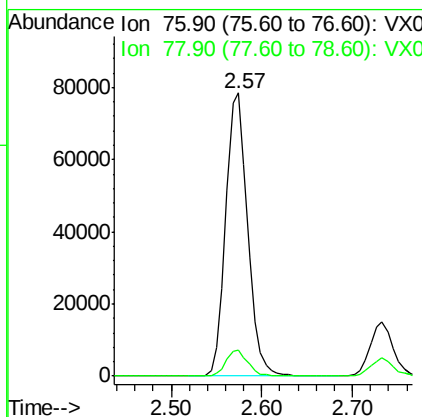
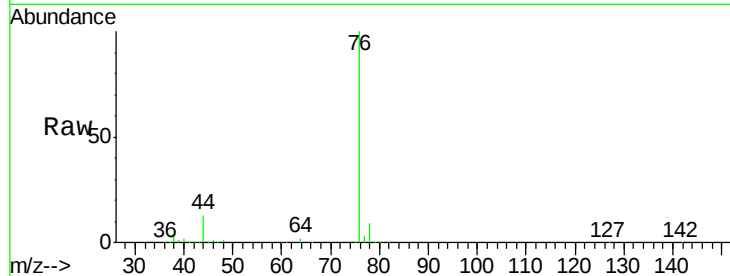
#17
Carbon Disulfide
Concen: 18.687 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

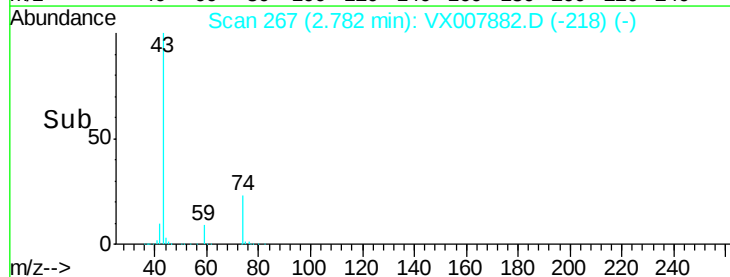
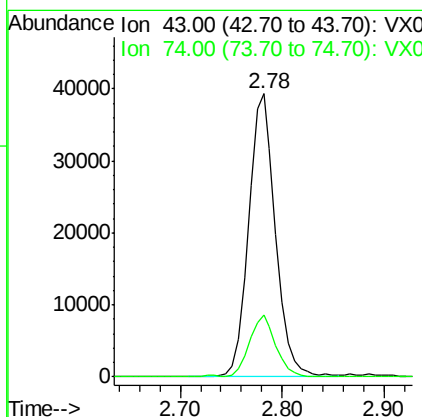
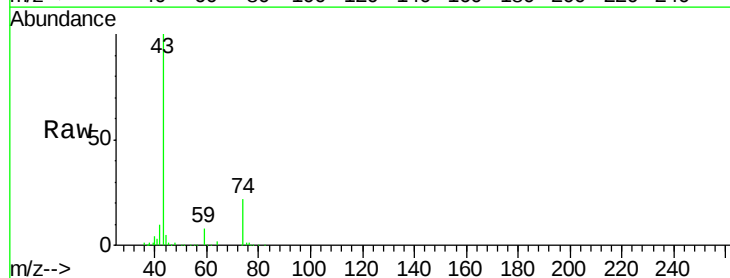
Manual Integrations
APPROVED

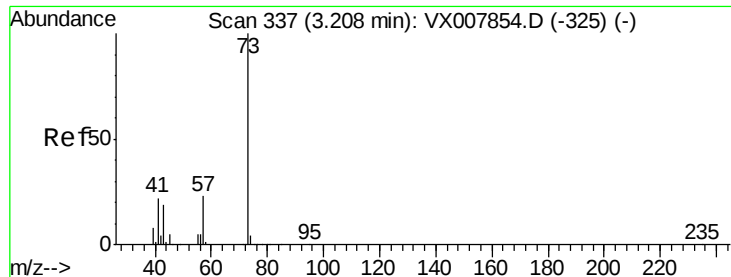
MMDadoda
3/8/2019 9:40:40 AM



#18
Methyl Acetate
Concen: 20.360 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.8	26.6





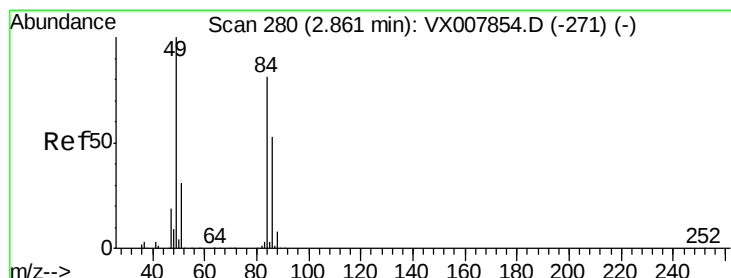
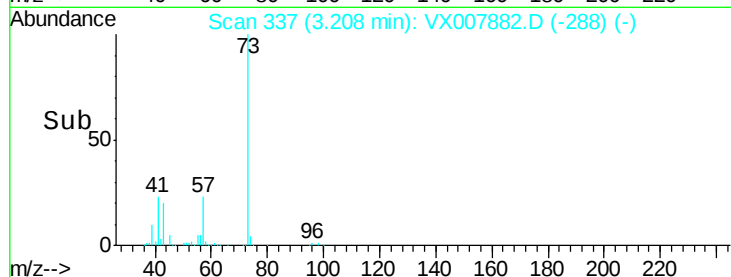
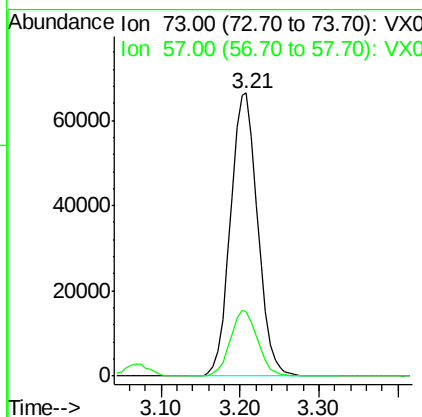
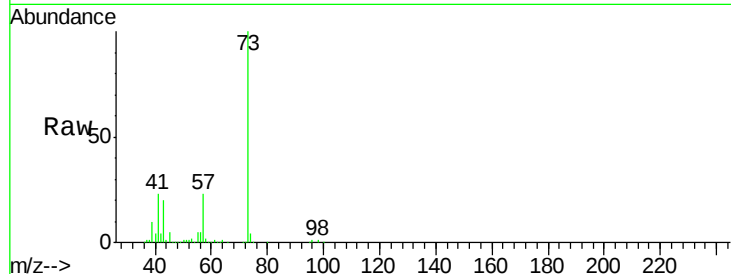
#19
Methvl tert-butvl Ether
Concen: 20.148 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.4

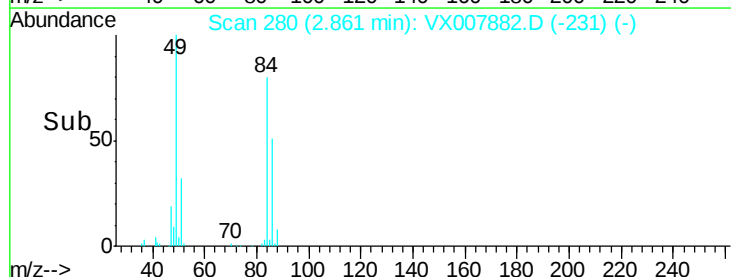
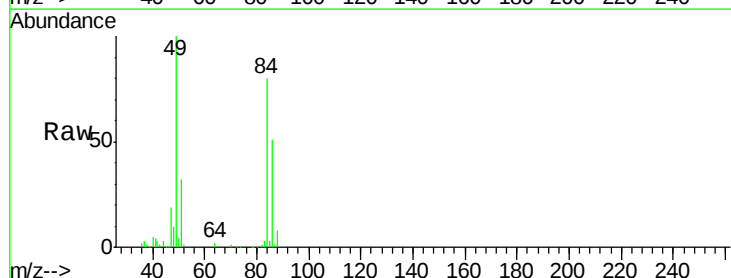
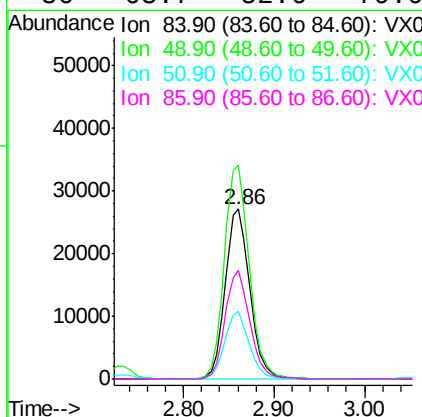
Manual Integrations
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3/8/2019 9:40:40 AM



#20
Methylene Chloride
Concen: 19.483 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.5	99.3	148.9
51	39.6	31.3	46.9
86	63.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 18.621 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

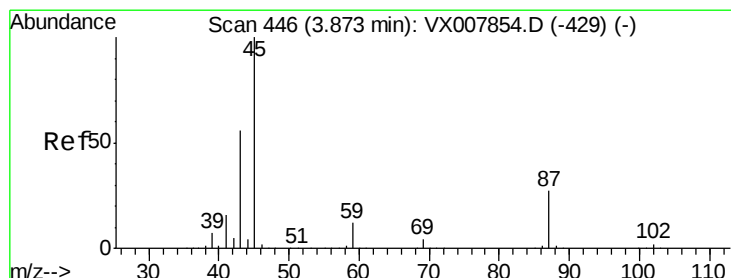
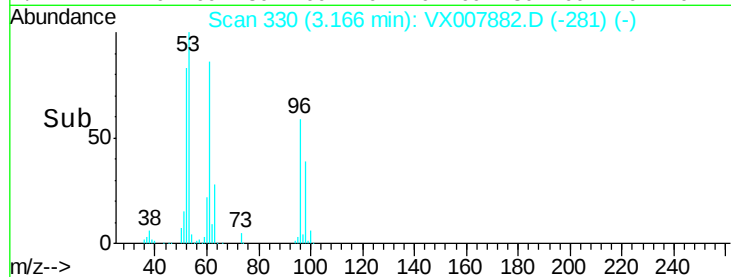
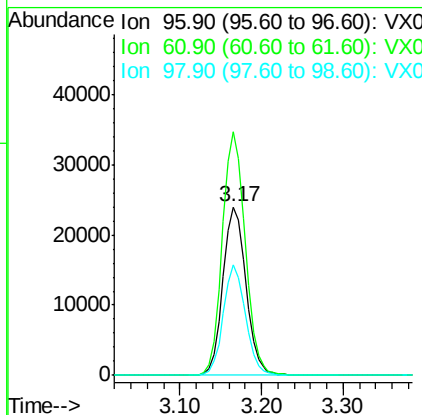
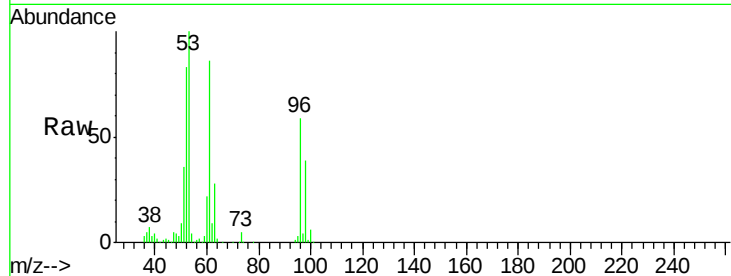
ClientSampleId :

VX0307WBSD01

Tot Ion:	96	Resp:	46966
Ion	Ratio	Lower	Upper
96	100		
61	144.8	114.4	171.6
98	66.0	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.165 ug/l

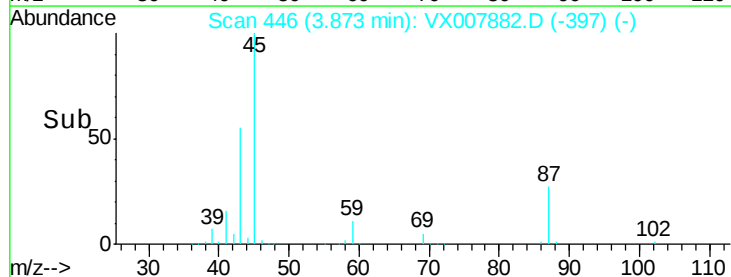
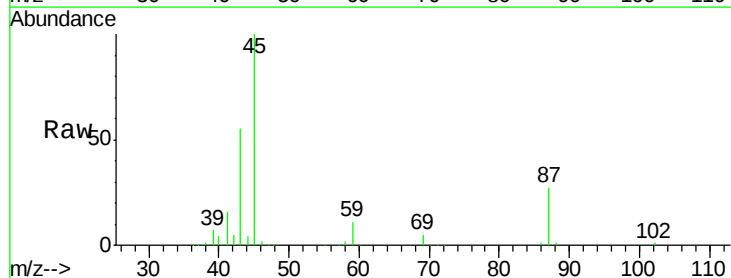
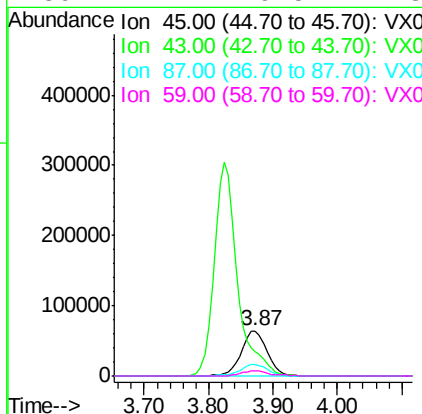
RT: 3.87 min Scan# 446

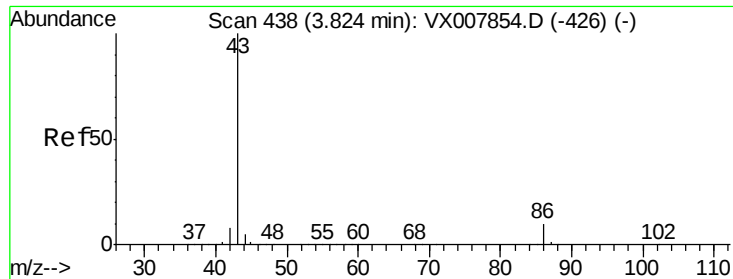
Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	45	Resp:	178046
Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.3	67.9
87	26.6	21.4	32.0
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 99.669 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampled :

VX0307WBSD01

Tot Ion: 43 Resp: 771704

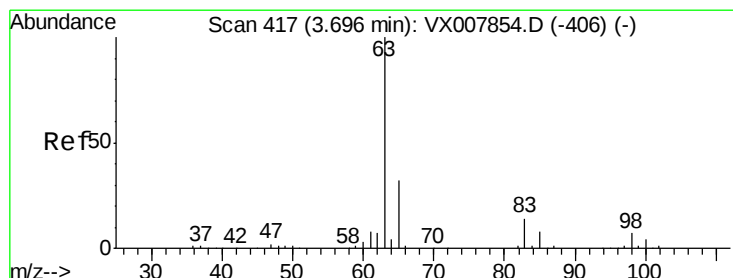
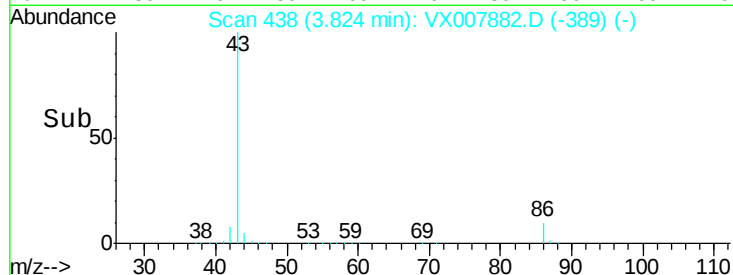
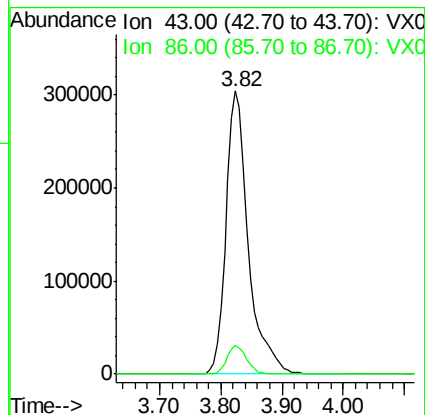
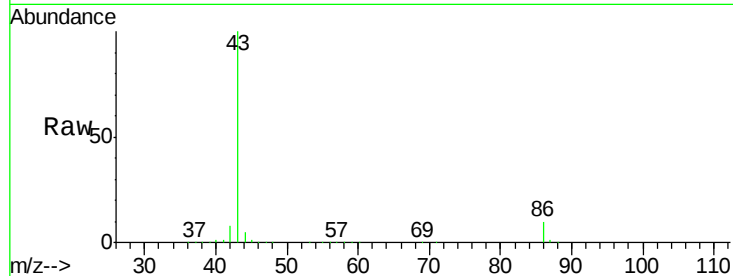
Ion Ratio Lower Upper

43 100

86 10.0 7.9 11.9

Manual Integrations
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3/8/2019 9:40:40 AM



#24

1,1-Dichloroethane

Concen: 19.518 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

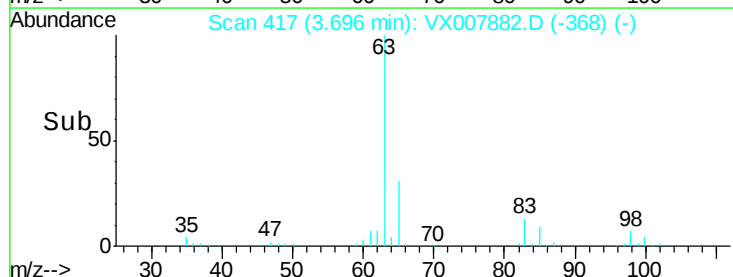
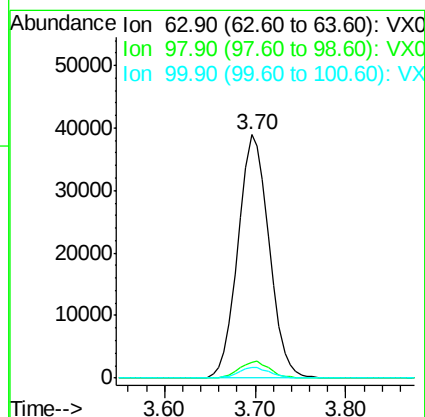
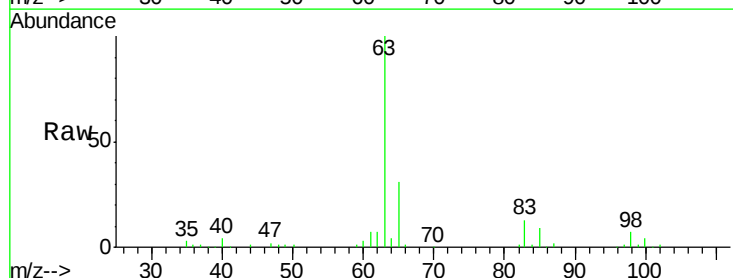
Tgt Ion: 63 Resp: 92740

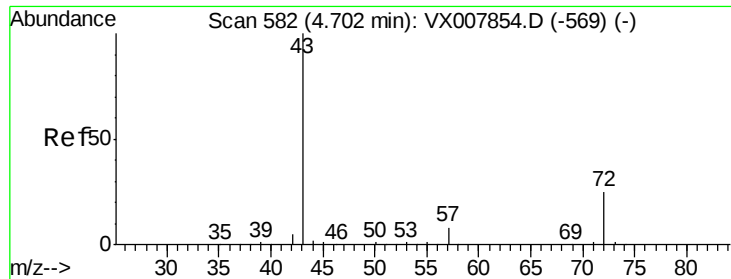
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 94.555 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion: 43 Resp: 220207

Ion Ratio Lower Upper

43 100

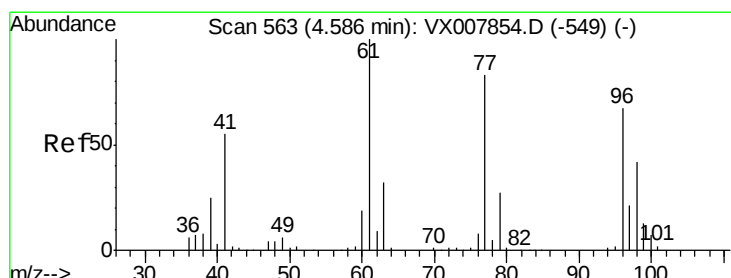
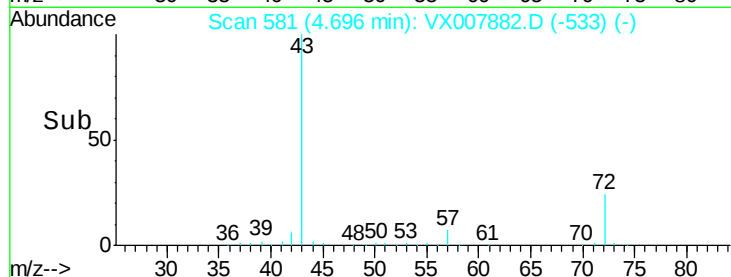
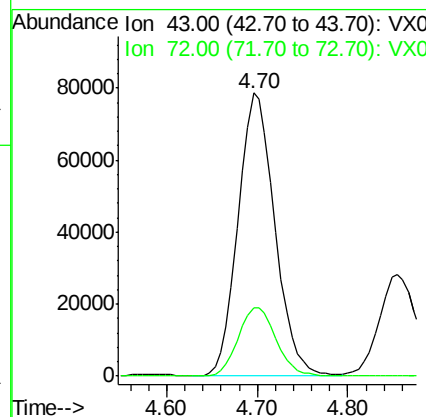
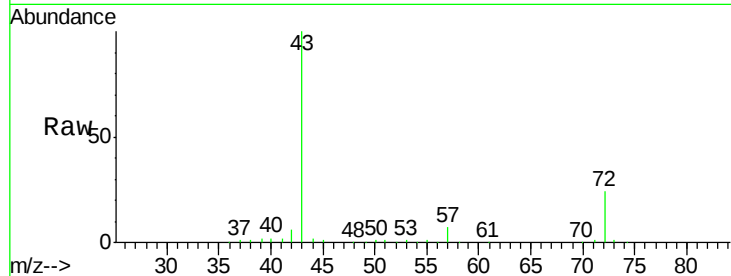
72 24.4 19.9 29.9

Manual Integrations

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MMDadoda

3/8/2019 9:40:40 AM



#26

2,2-Dichloropropane

Concen: 17.099 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007882.D

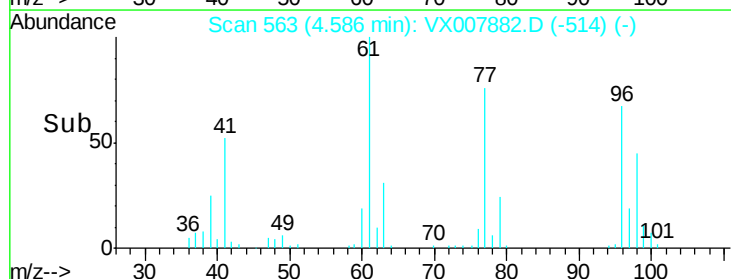
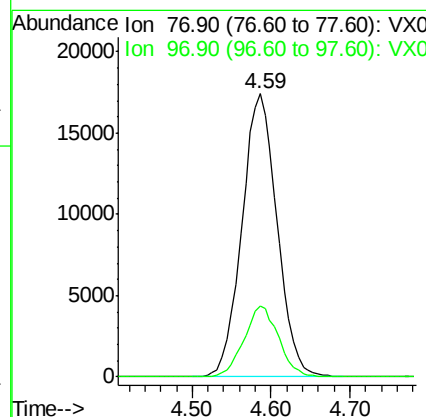
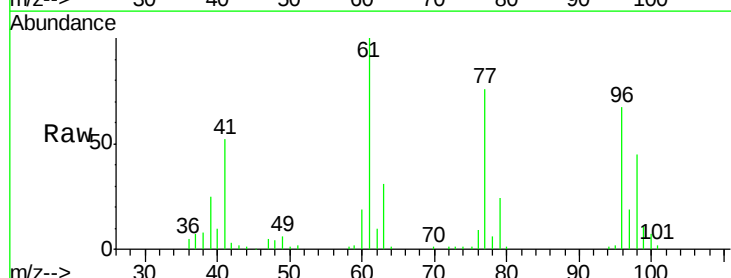
Acq: 07 Mar 2019 14:31

Tgt Ion: 77 Resp: 53826

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

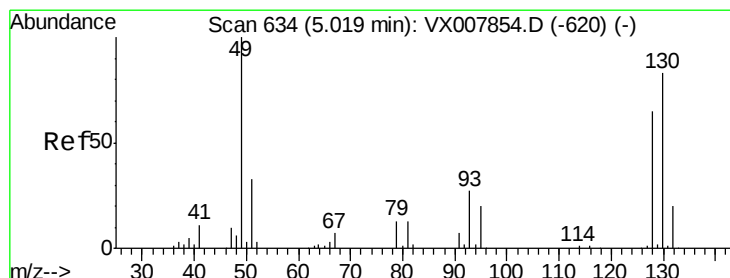
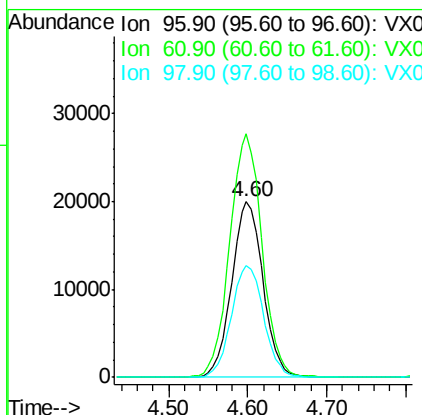
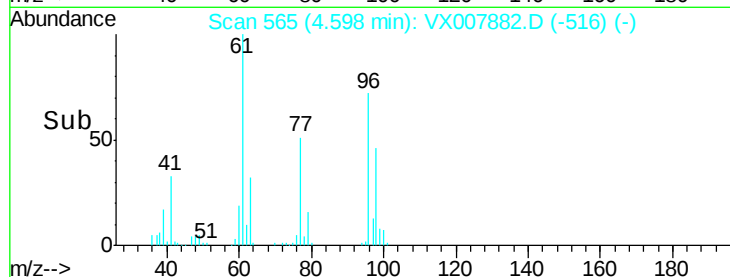
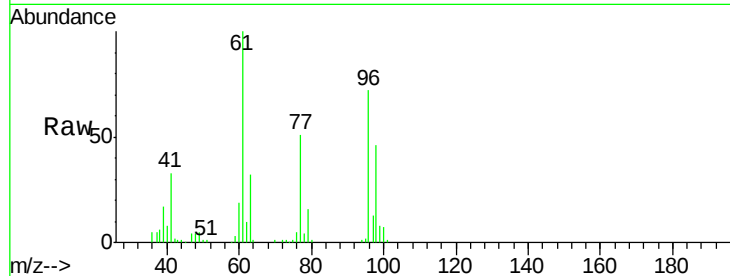
cis-1,2-Dichloroethene
Concen: 19.132 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	55217		
61	143.2		0.0	288.0
98	65.6		0.0	129.0

Manual Integrations
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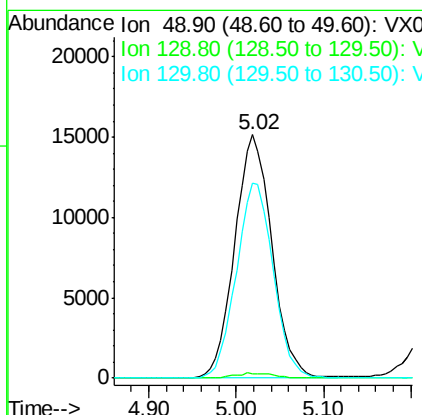
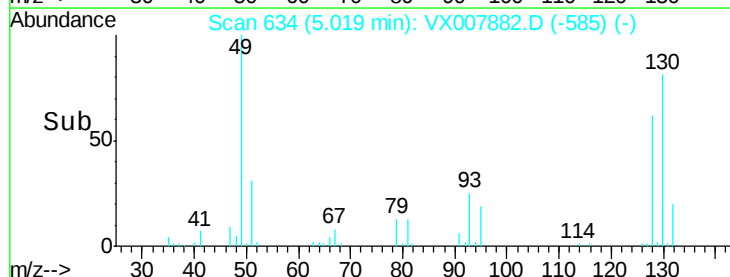
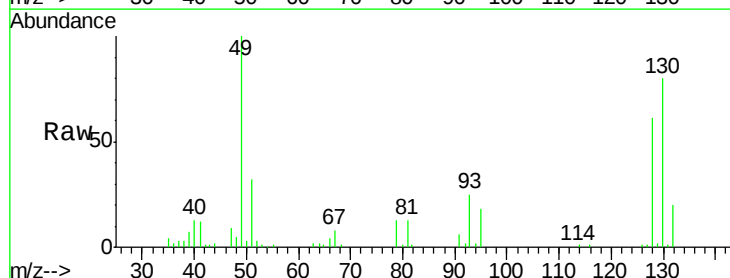
MMDadoda
3/8/2019 9:40:40 AM

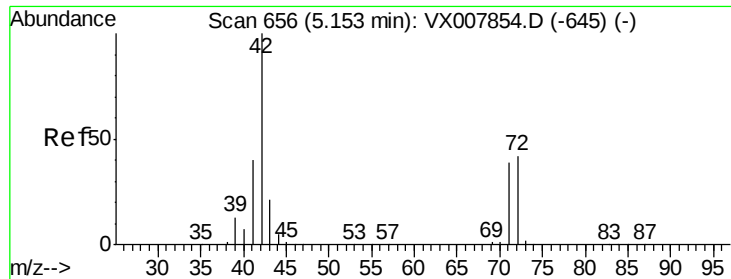


#28

Bromochloromethane
Concen: 20.196 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	44738		
129	2.0		0.0	4.0
130	79.4		65.0	97.4





#29

Tetrahydrofuran

Concen: 101.347 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

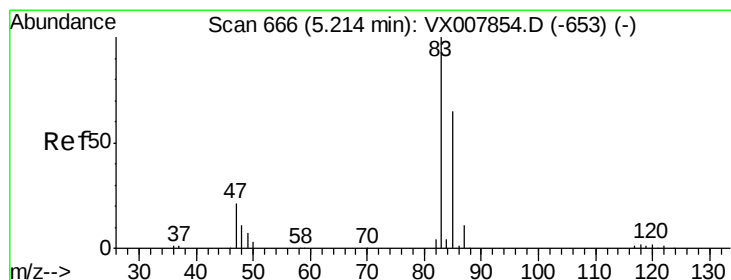
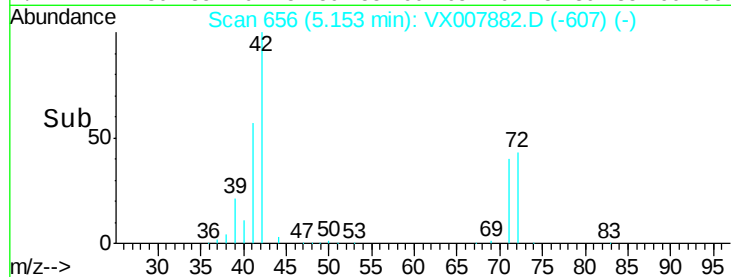
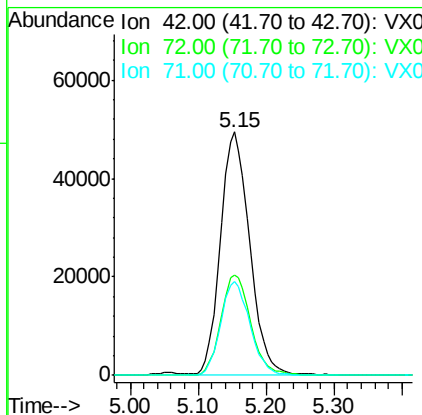
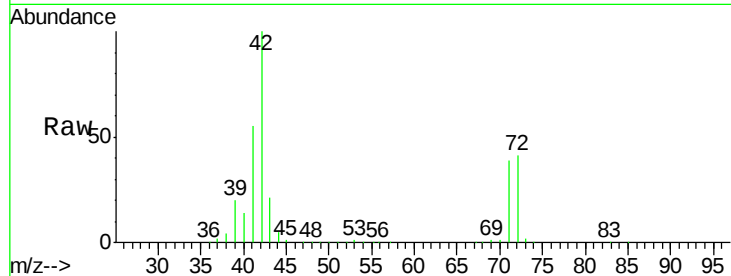
ClientSampleId :

VX0307WBSD01

Tot Ion:	42	Resp:	147225
Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	38.7	31.5	47.3

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3/8/2019 9:40:40 AM



#30

Chloroform

Concen: 19.821 ug/l

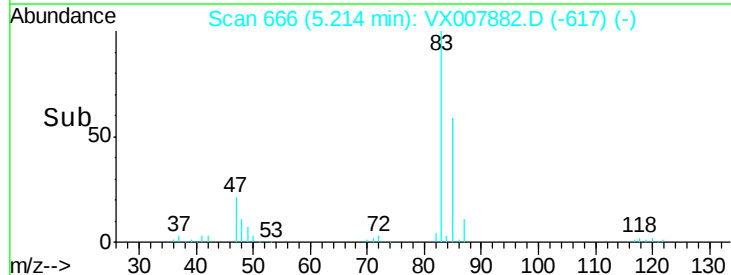
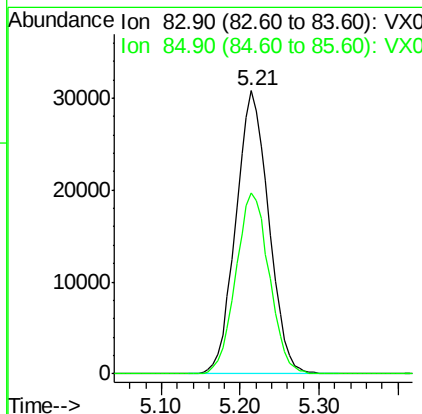
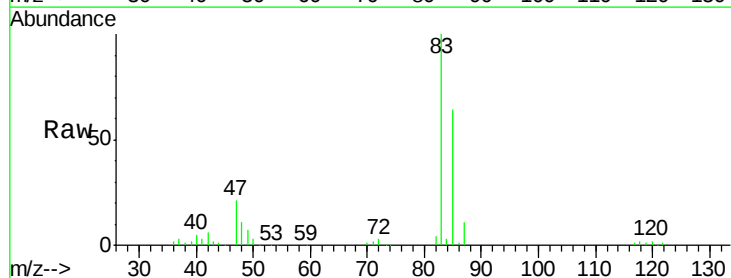
RT: 5.21 min Scan# 666

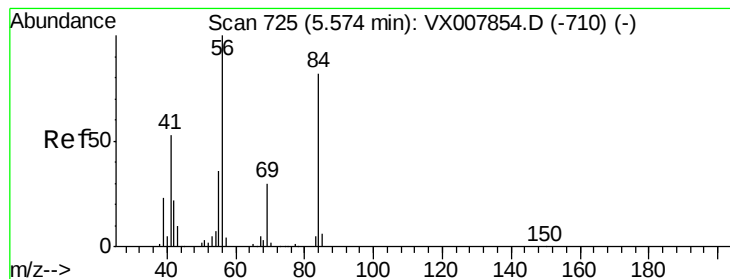
Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	83	Resp:	89090
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.6





#31

Cyclohexane

Concen: 18.257 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

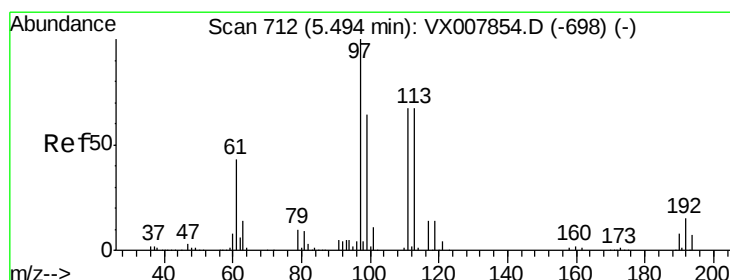
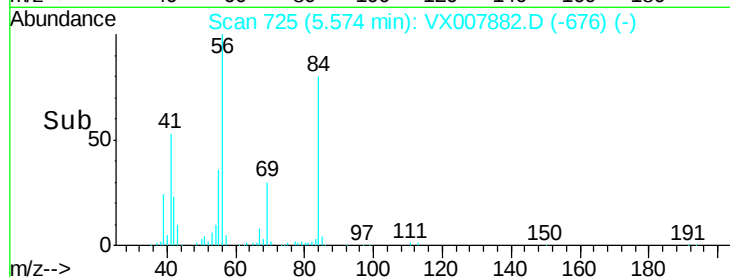
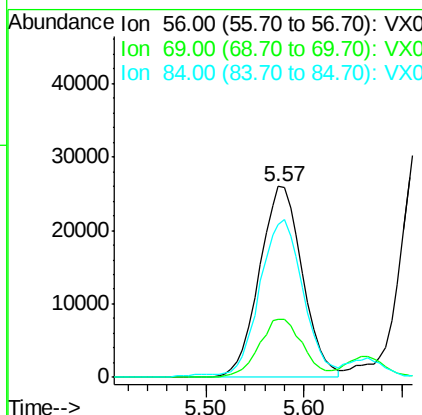
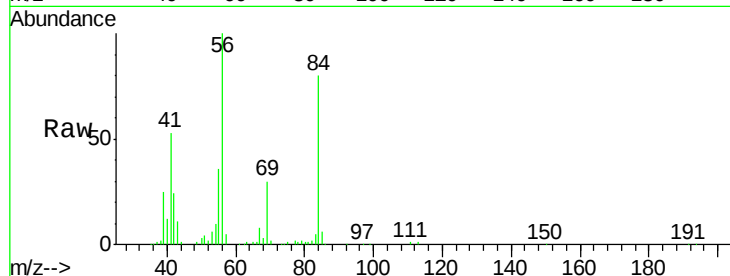
ClientSampleId :

VX0307WBSD01

Tot Ion:	56	Resp:	79729
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.0	36.0
84	78.6	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.234 ug/l

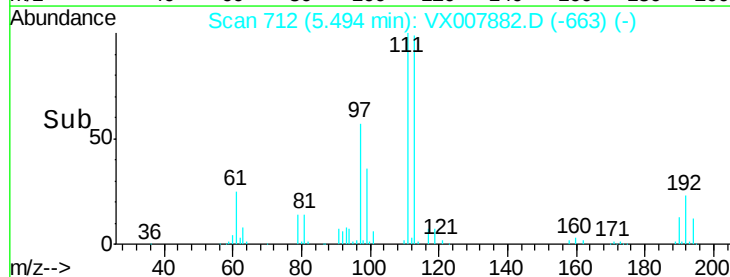
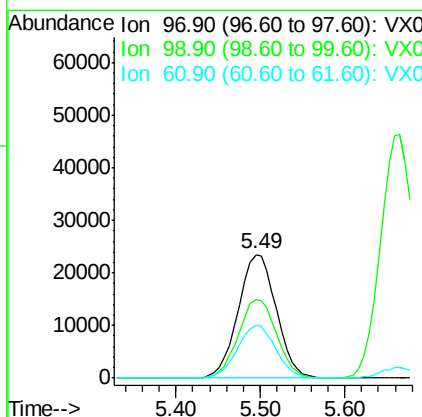
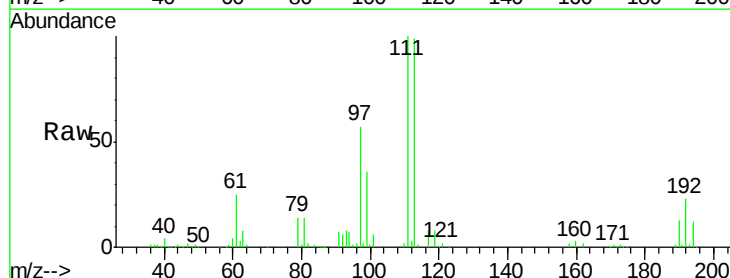
RT: 5.49 min Scan# 712

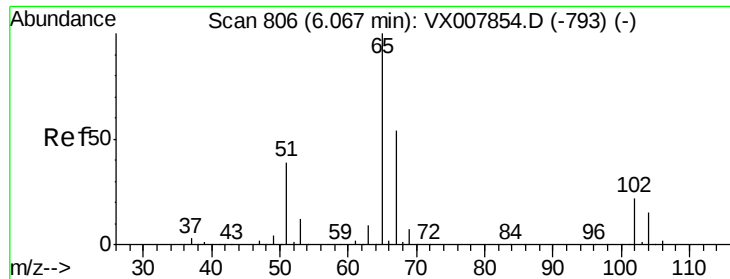
Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	97	Resp:	71727
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.2	78.2
61	43.2	34.9	52.3





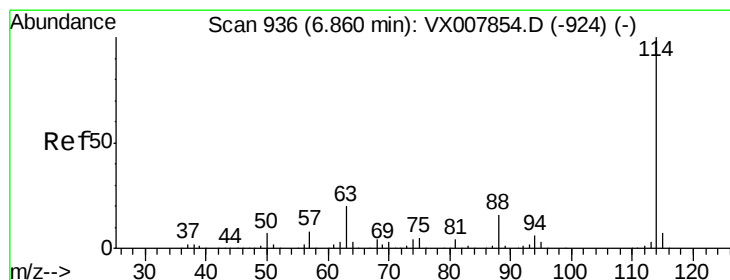
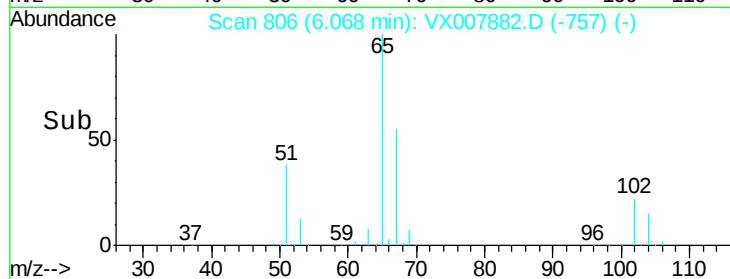
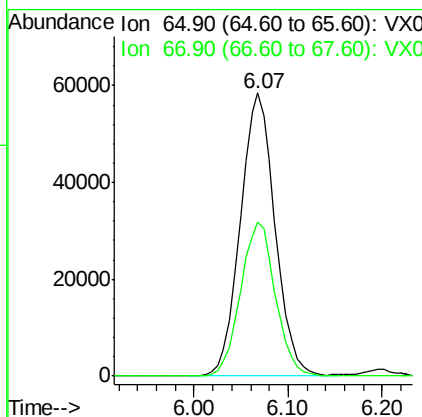
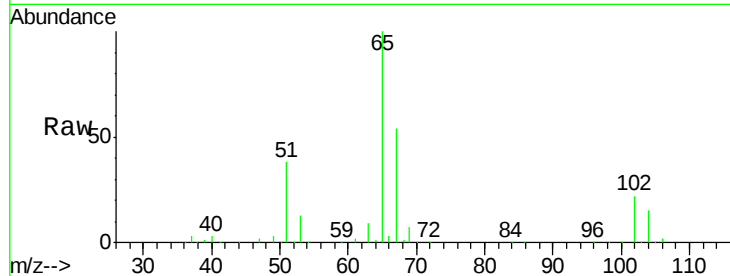
#33
 1,2-Dichloroethane-d4
 Concen: 52.923 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	110.0

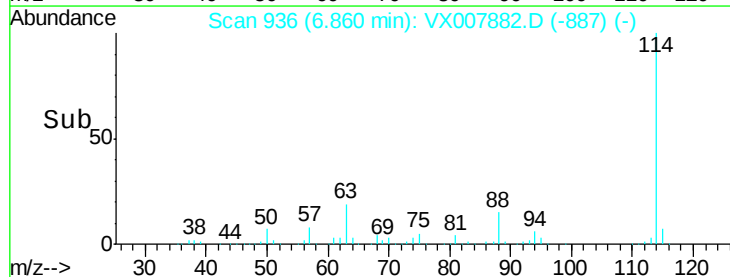
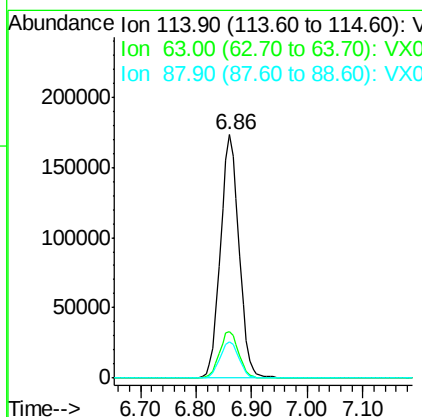
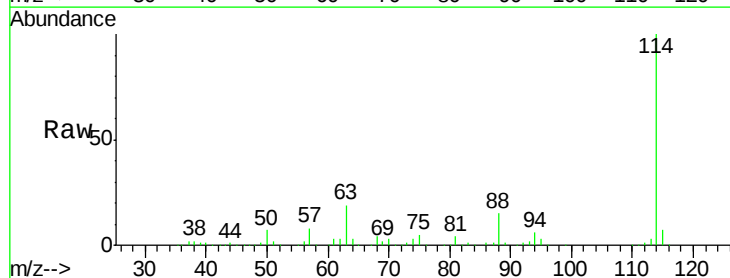
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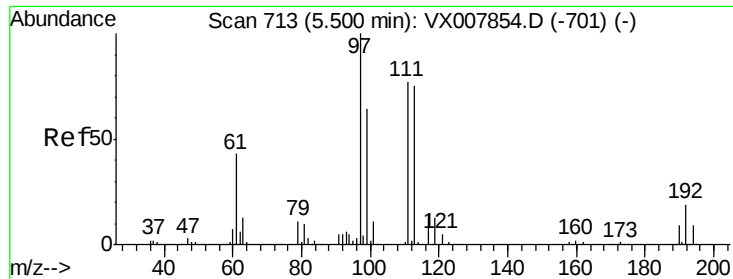
MMDadoda
 3/8/2019 9:40:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.8
88	15.1	0.0	31.4





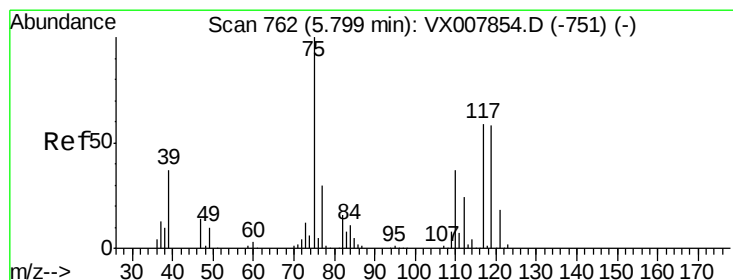
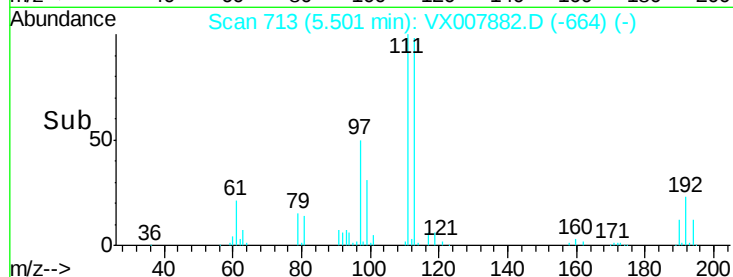
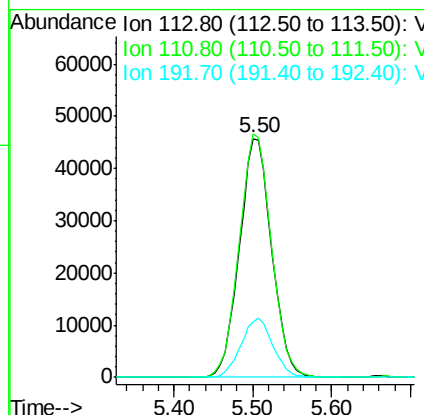
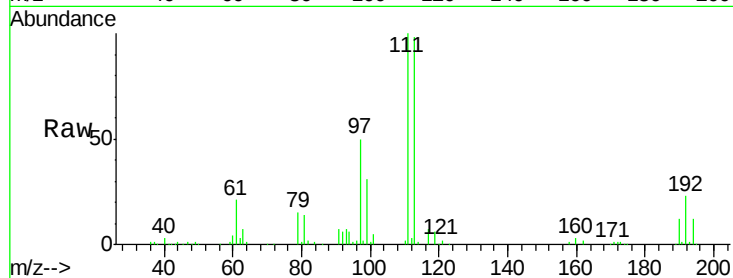
#35
 Dibromofluoromethane
 Concen: 50.852 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129990		
111	102.1	81.4	122.0	
192	24.5	19.4	29.0	

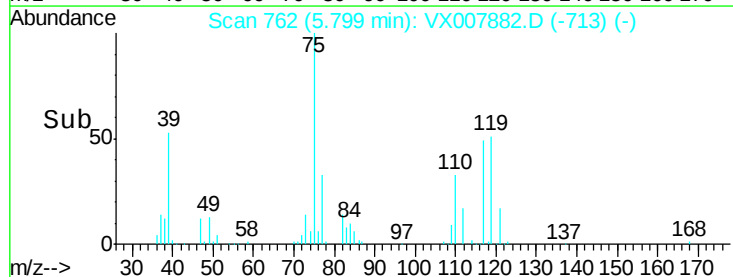
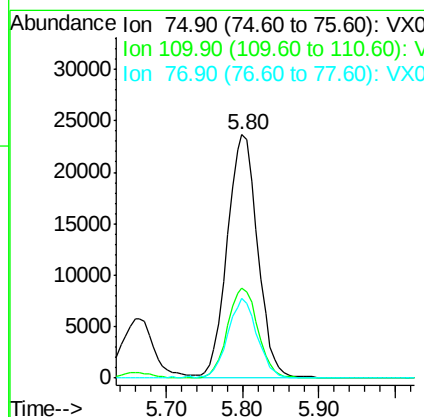
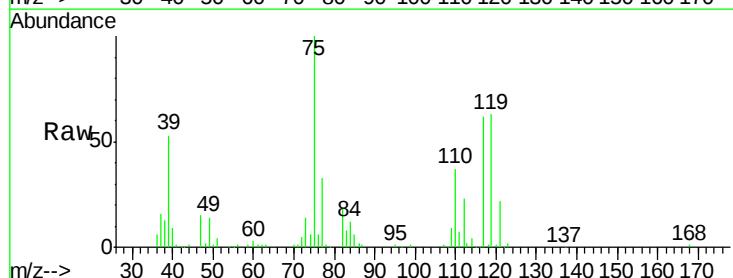
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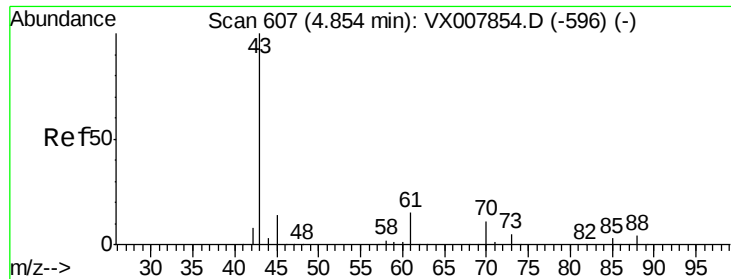
MMDadoda
 3/8/2019 9:40:40 AM



#36
 1,1-Dichloropropene
 Concen: 18.035 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	65261		
110	36.8	18.4	55.0	
77	31.4	25.0	37.4	





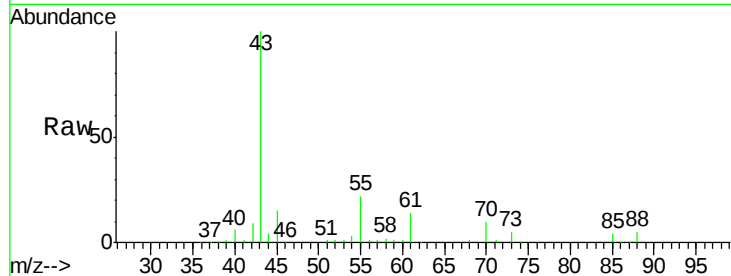
#37
Ethyl Acetate
Concen: 19.341 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampled :
VX0307WBSD01

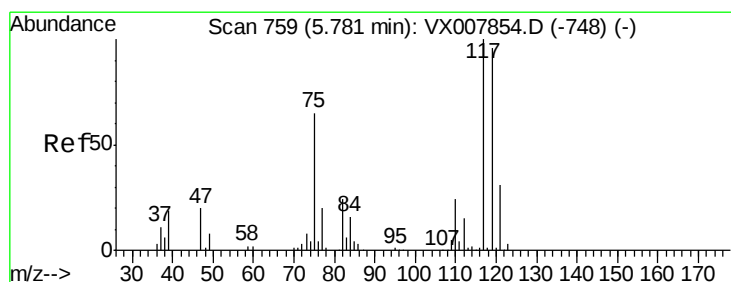
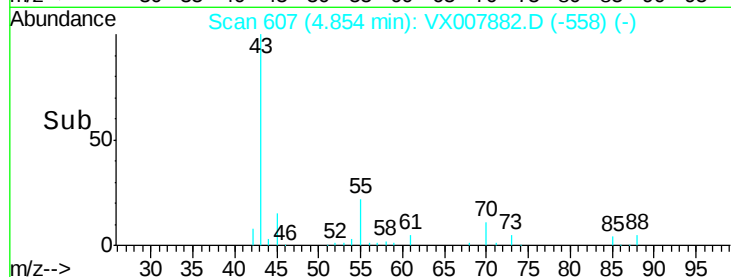
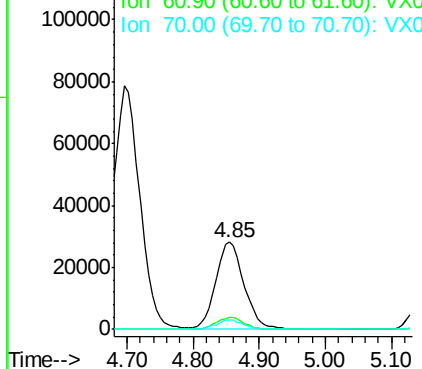
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.3	16.9
70	10.6	8.5	12.7

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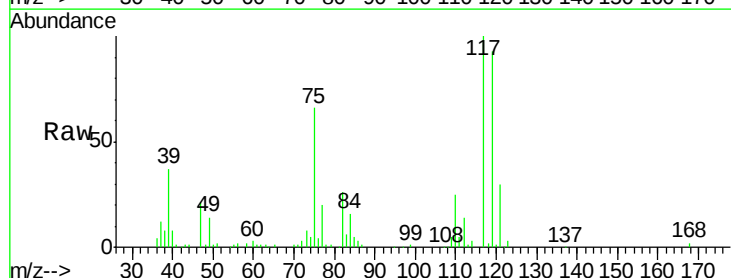


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

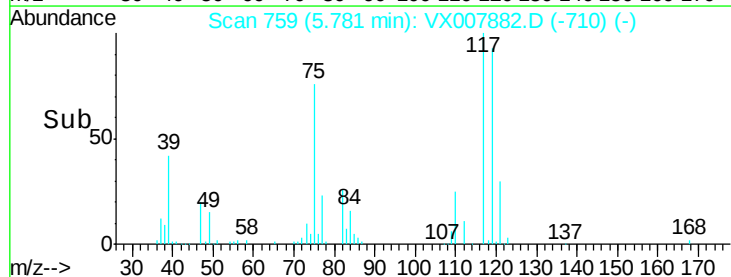
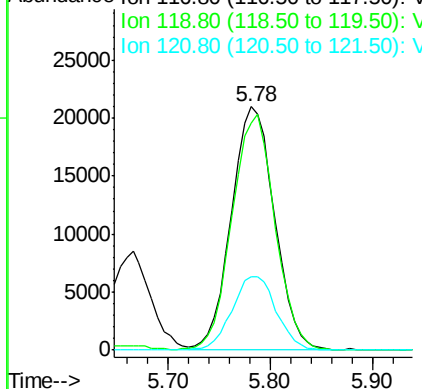


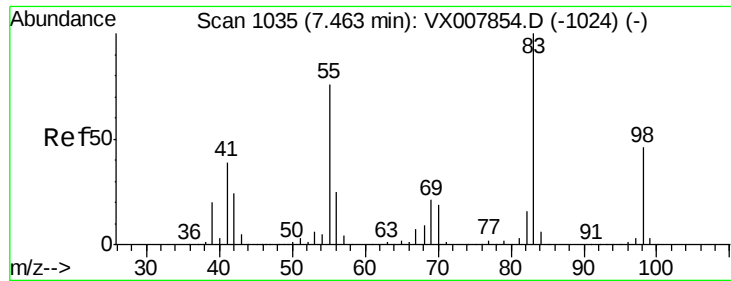
#38
Carbon Tetrachloride
Concen: 17.893 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.2	114.2
121	30.2	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





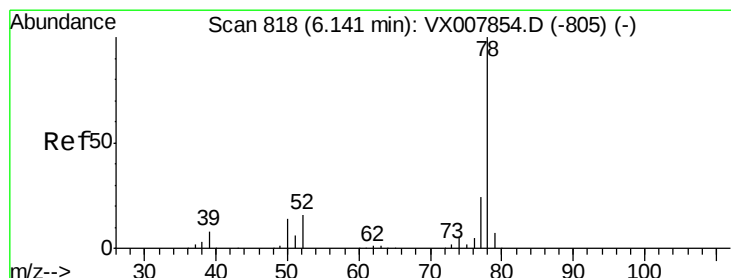
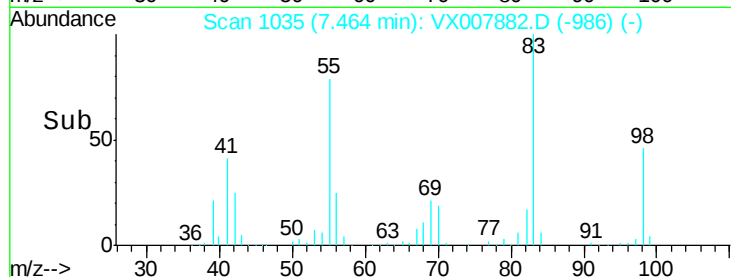
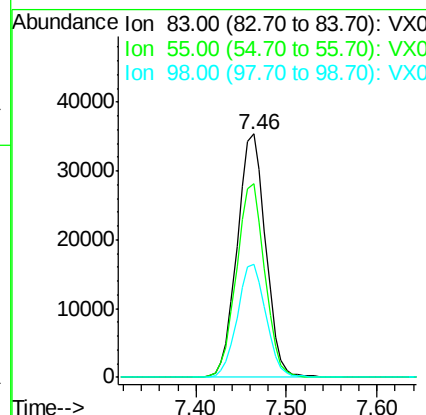
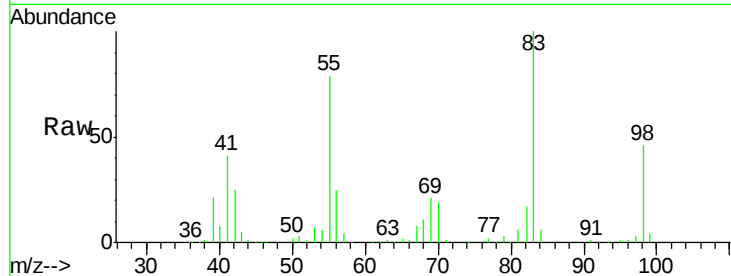
#39
Methvlcvclohexane
Concen: 17.587 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	60.4	90.6
98	46.5	36.5	54.7

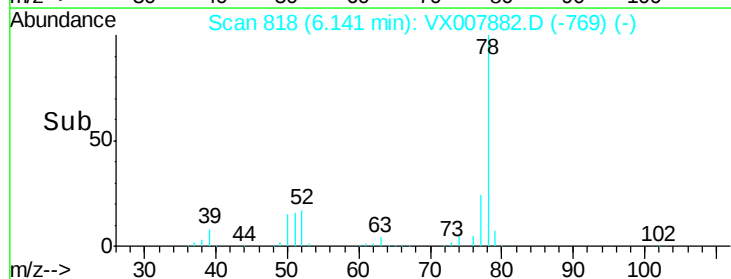
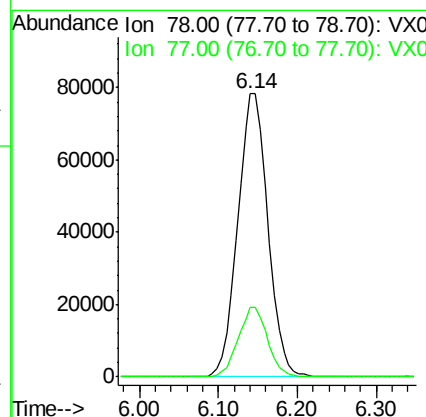
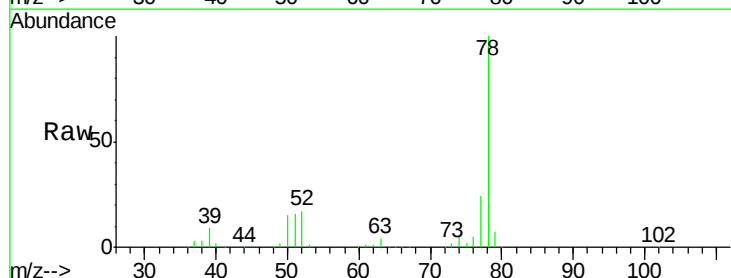
Manual Integrations
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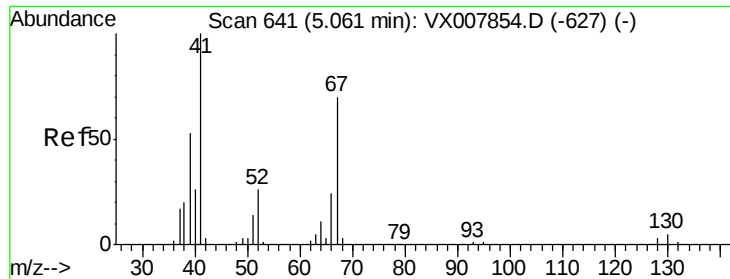
MMDadoda
3/8/2019 9:40:40 AM



#40
Benzene
Concen: 19.301 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4





#41

Methacrylonitrile

Concen: 19.872 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

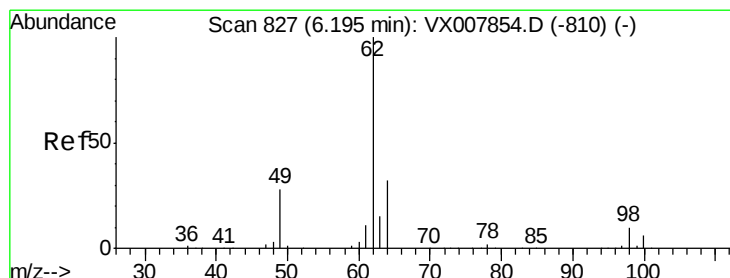
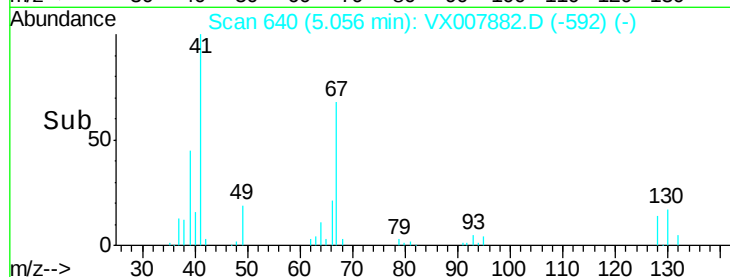
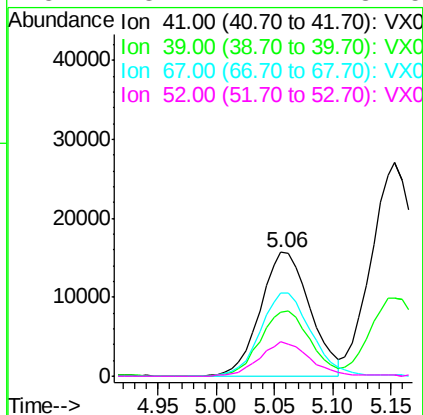
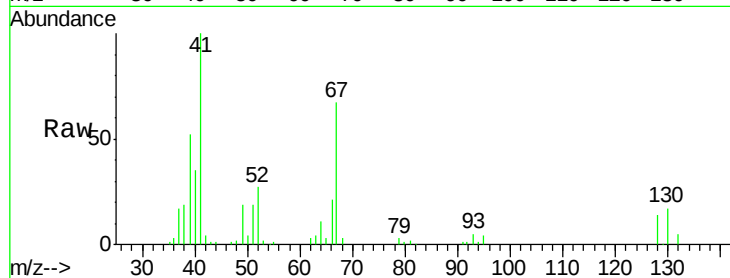
ClientSampleId :

VX0307WBSD01

Tot Ion:	41	Resp:	46523
Ion	Ratio	Lower	Upper
41	100		
39	53.1	41.6	62.4
67	68.4	55.8	83.6
52	28.4	21.7	32.5

Manual Integrations
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MMDadoda
3/8/2019 9:40:40 AM



#42

1,2-Dichloroethane

Concen: 19.659 ug/l

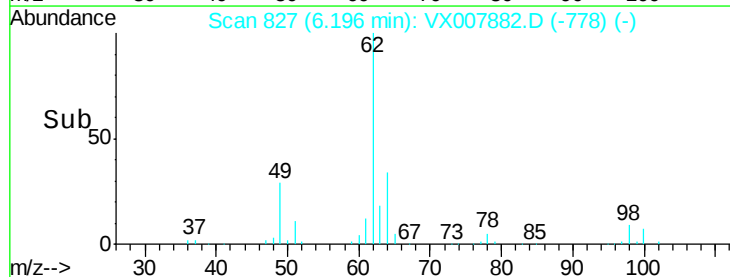
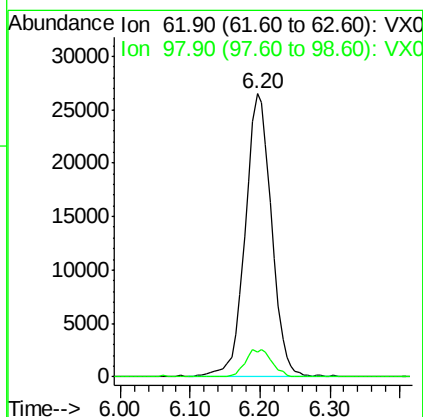
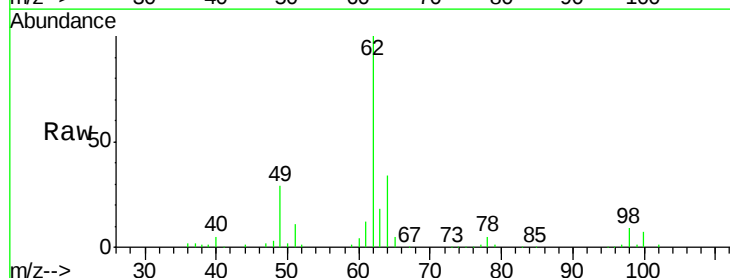
RT: 6.20 min Scan# 827

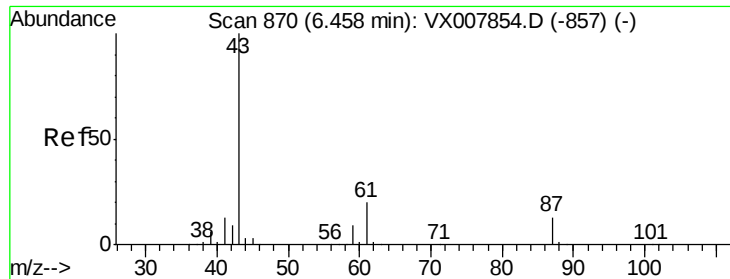
Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	62	Resp:	69258
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

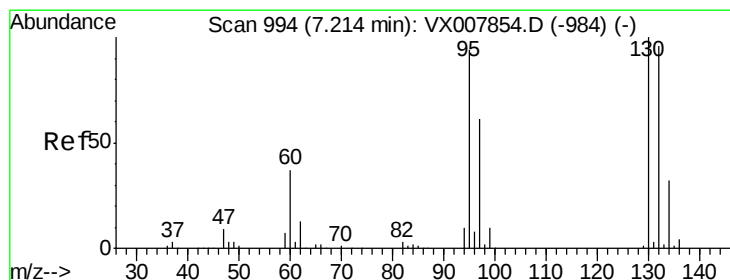
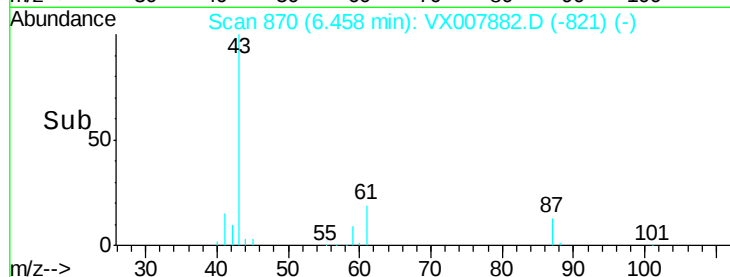
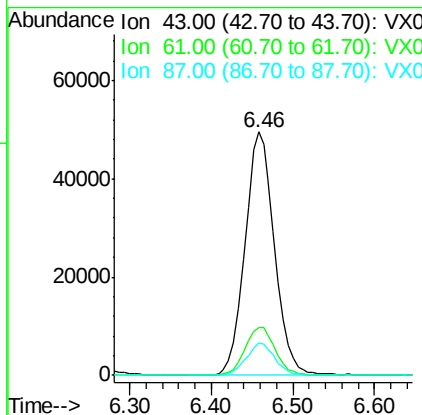
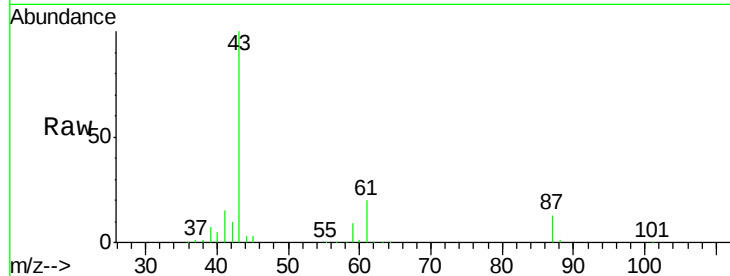
Isopropyl Acetate
 Concen: 19.414 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.3	24.5
87	13.1	10.5	15.7

Manual Integrations
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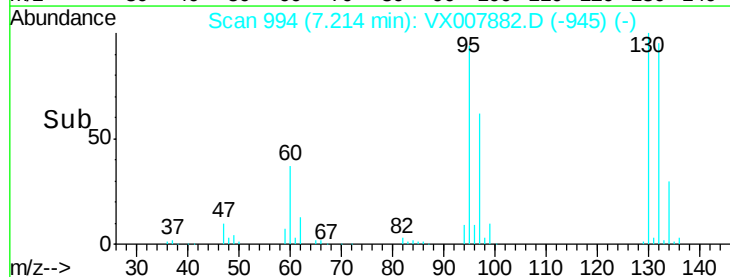
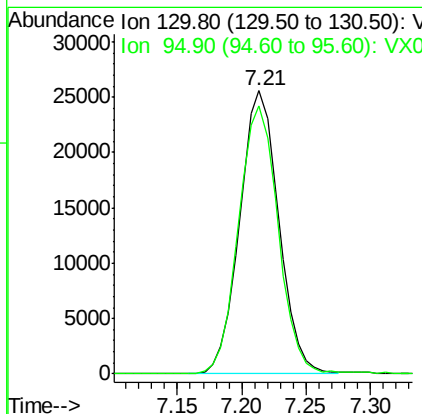
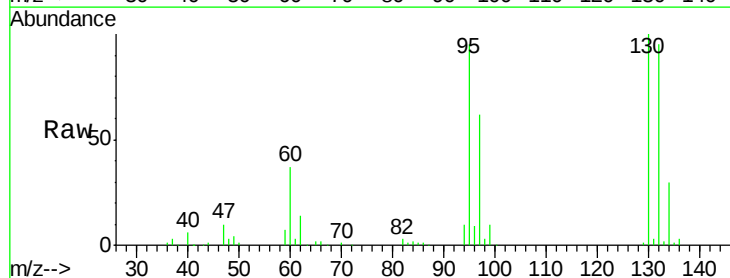
MMDadoda
 3/8/2019 9:40:40 AM

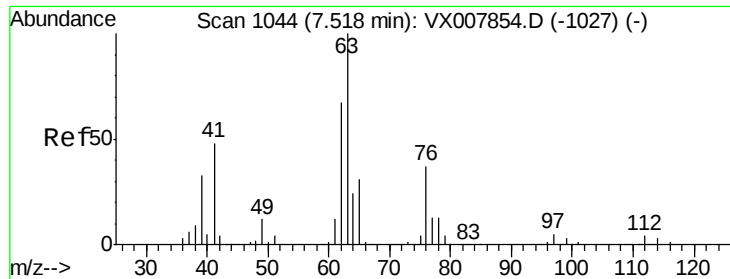


#44

Trichloroethene
 Concen: 18.084 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	188.0





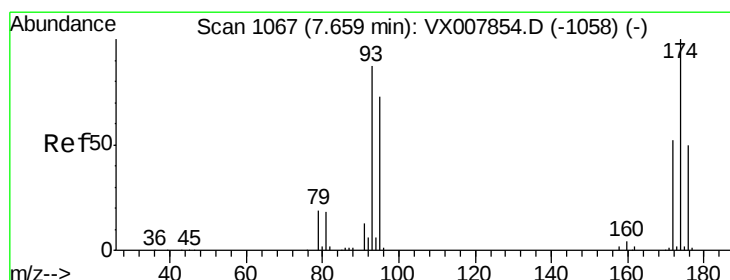
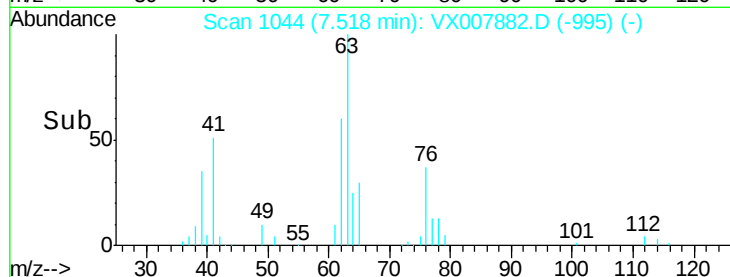
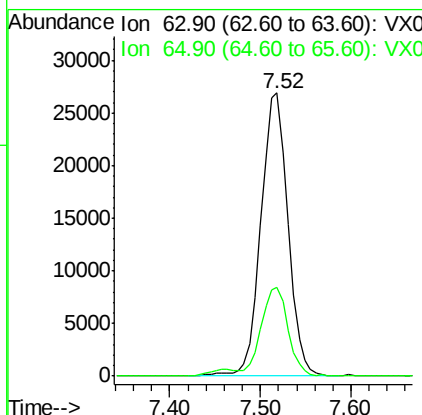
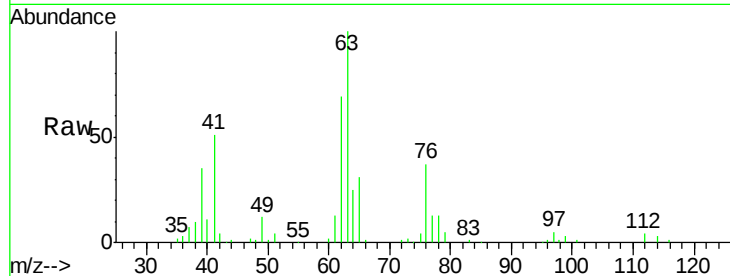
#45
 1,2-Dichloropropane
 Concen: 19.591 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD01

Tot Ion: 63 Resp: 55741
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1

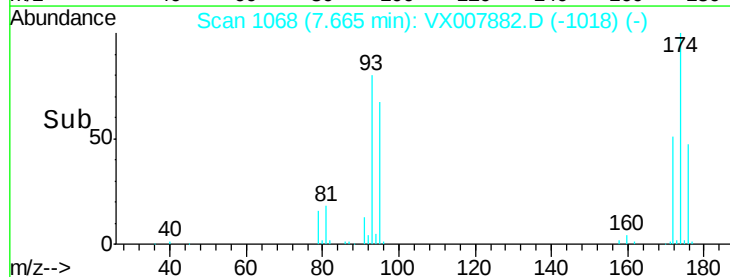
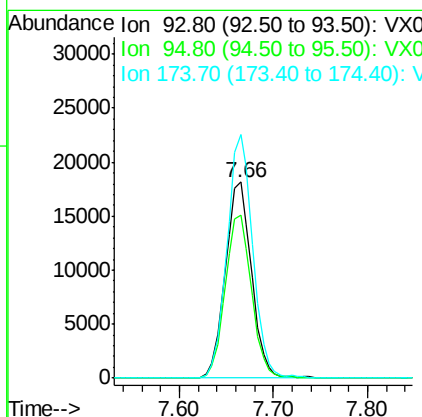
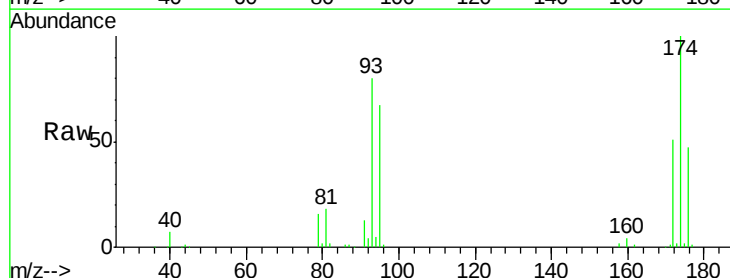
Manual Integrations
 APPROVED

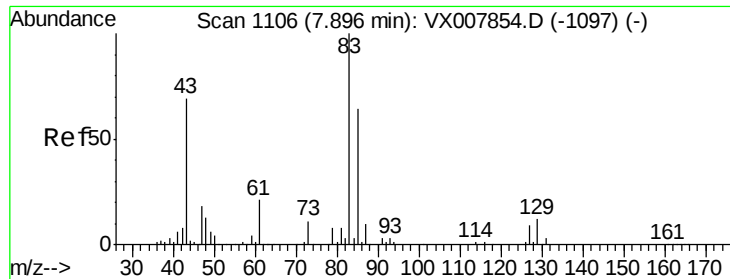
MMDadoda
 3/8/2019 9:40:40 AM



#46
 Dibromomethane
 Concen: 19.451 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Tgt Ion: 93 Resp: 35023
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 122.1 97.3 145.9





#47

Bromodichloromethane

Concen: 18.849 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

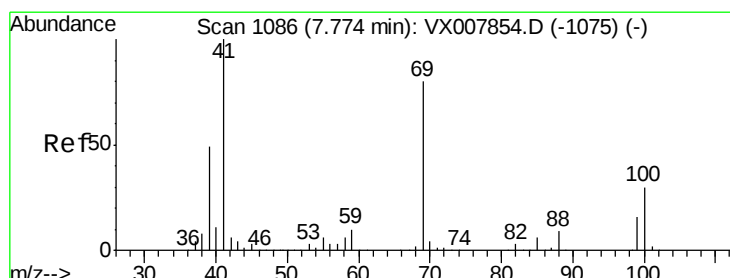
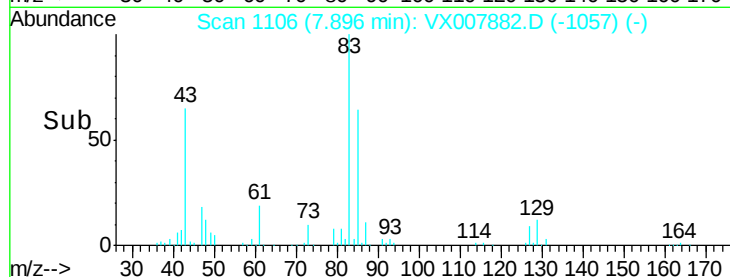
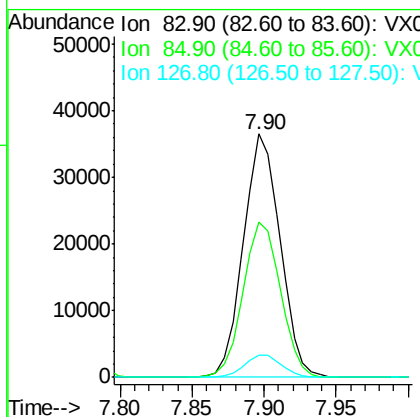
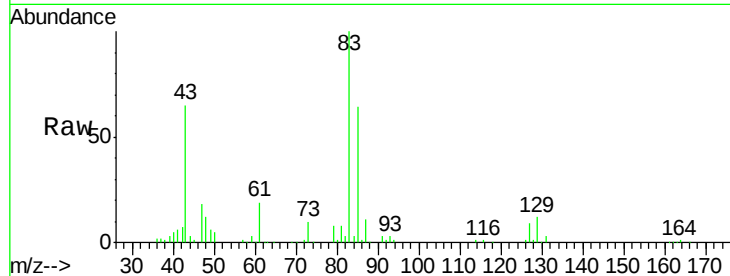
ClientSampleId :

VX0307WBSD01

Tot Ion:	83	Resp:	64349
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.9	76.3
127	9.1	7.4	11.0

Manual Integrations
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MMDadoda
3/8/2019 9:40:40 AM



#48

Methyl methacrylate

Concen: 19.294 ug/l

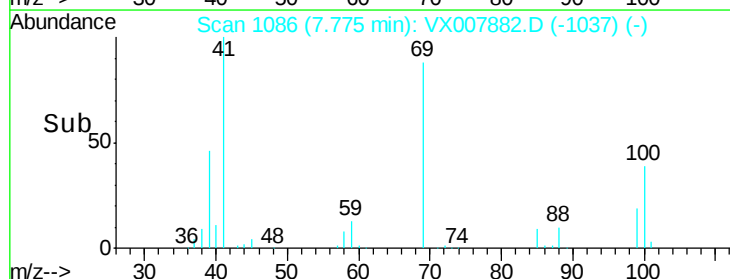
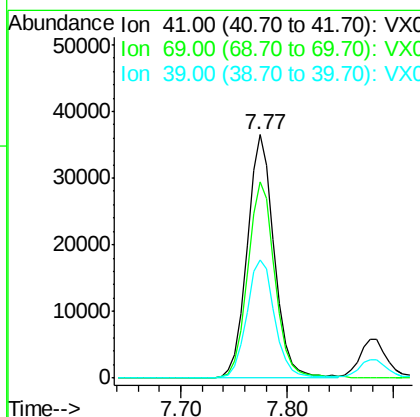
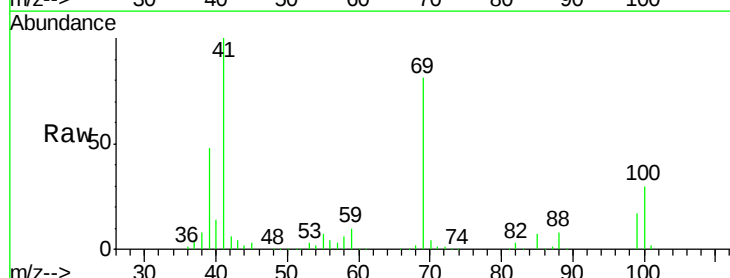
RT: 7.77 min Scan# 1086

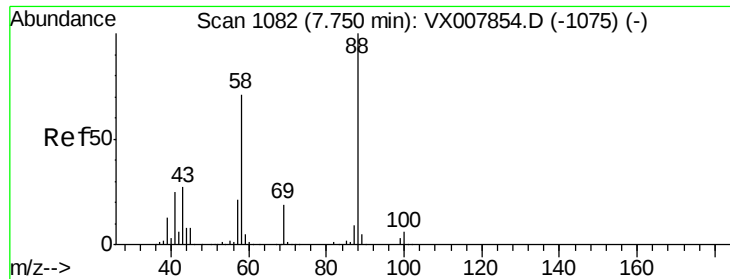
Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	41	Resp:	64466
Ion Ratio	Lower	Upper	
41	100		
69	82.2	65.2	97.8
39	50.7	39.4	59.2





#49

1,4-Dioxane

Concen: 396.905 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

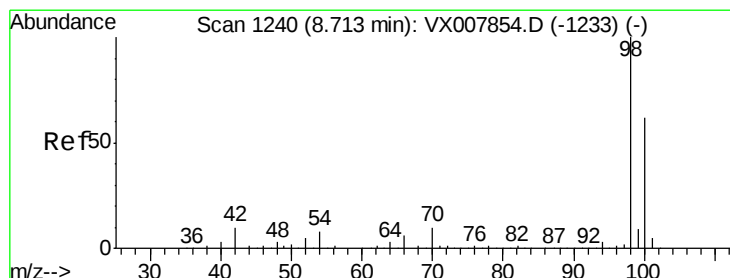
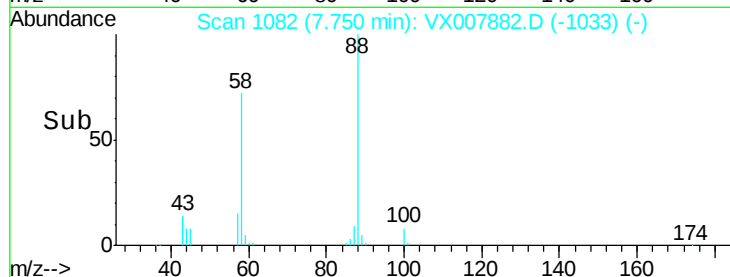
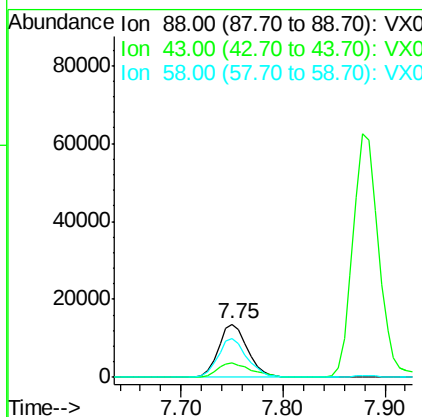
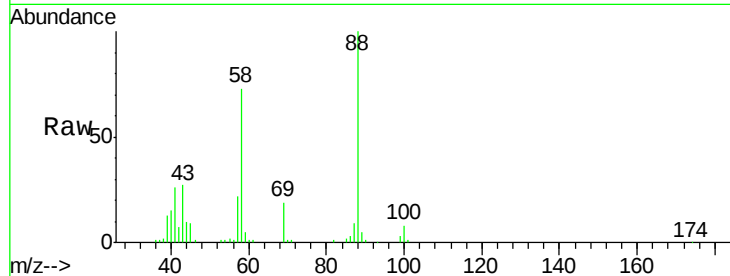
ClientSampleId :

VX0307WBSD01

Tot Ion:	88	Resp:	27242
Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.1	37.7
58	73.2	57.8	86.6

Manual Integrations
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#50

Toluene-d8

Concen: 50.284 ug/l

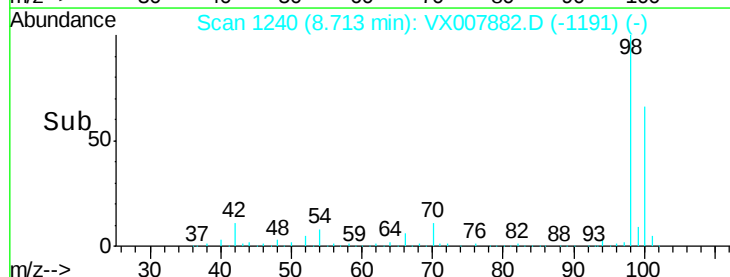
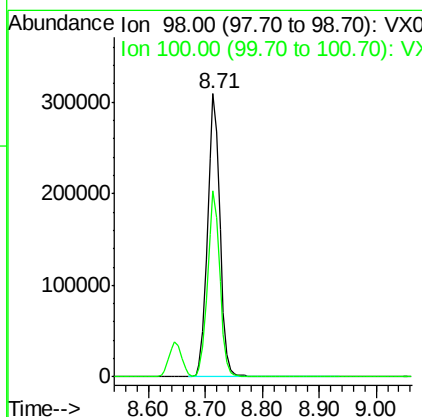
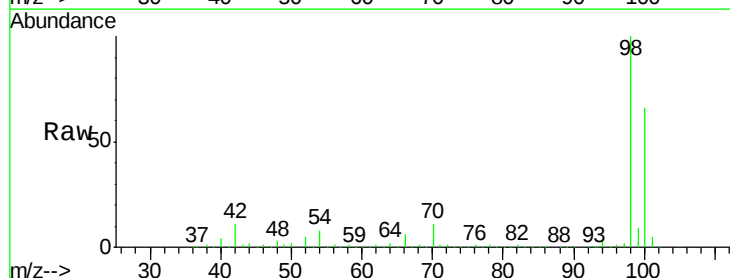
RT: 8.71 min Scan# 1240

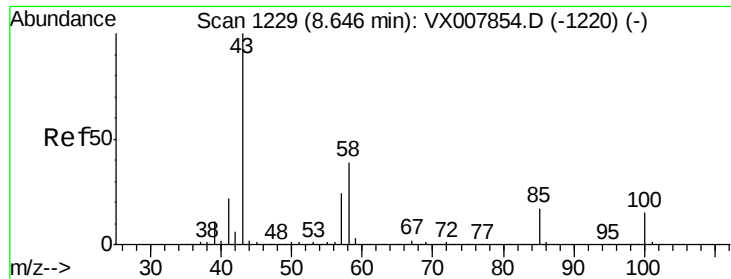
Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	98	Resp:	472065
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 100.692 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion: 43 Resp: 411524

Ion Ratio Lower Upper

43 100

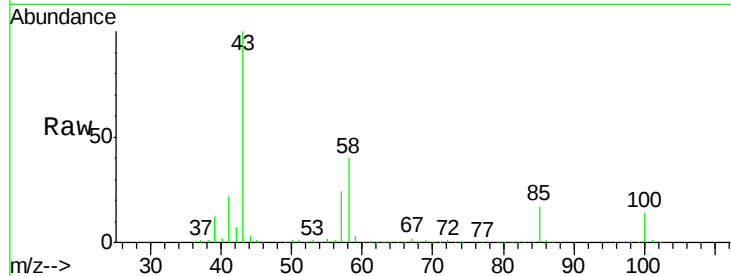
58 39.2 31.3 46.9

Manual Integrations

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3/8/2019 9:40:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

300000

250000

200000

150000

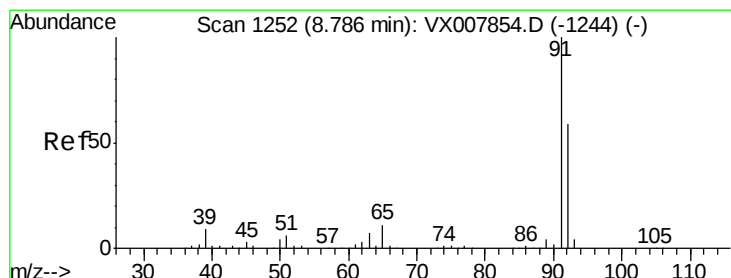
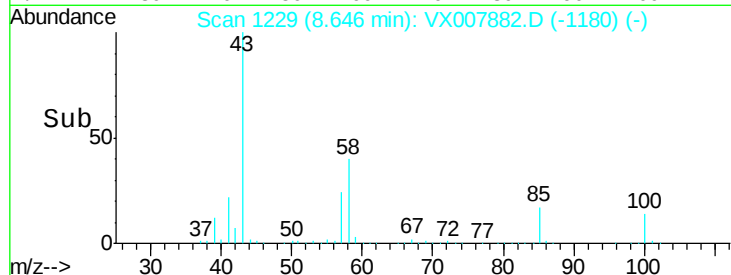
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 19.031 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007882.D

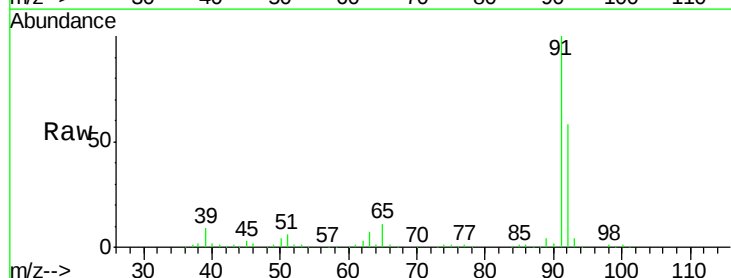
Acq: 07 Mar 2019 14:31

Tgt Ion: 92 Resp: 125162

Ion Ratio Lower Upper

92 100

91 172.2 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

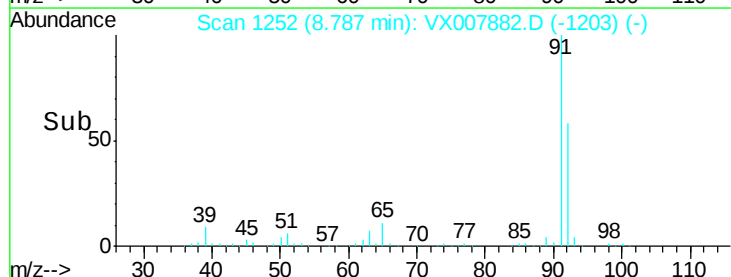
100000

50000

0

8.70 8.80 8.90 9.00

Time-->





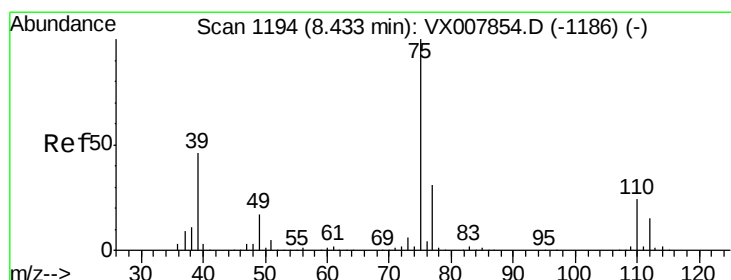
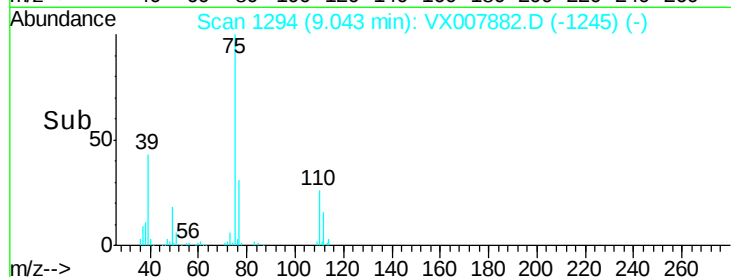
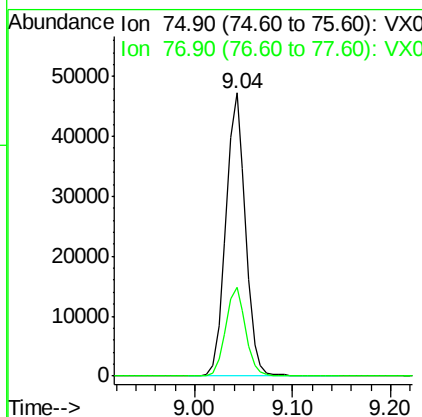
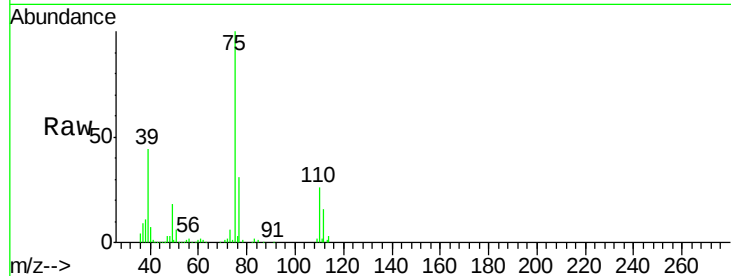
#53
t-1,3-Dichloropropene
Concen: 18.507 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion: 75 Resp: 65942
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0

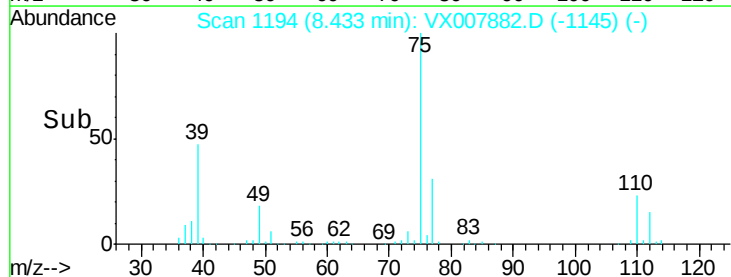
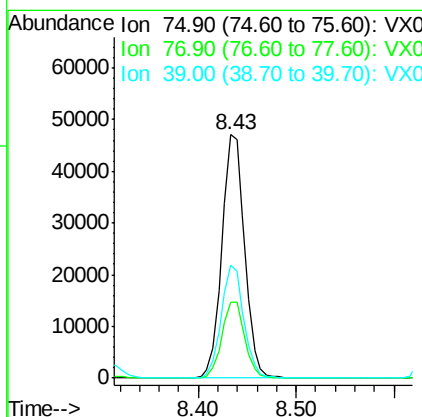
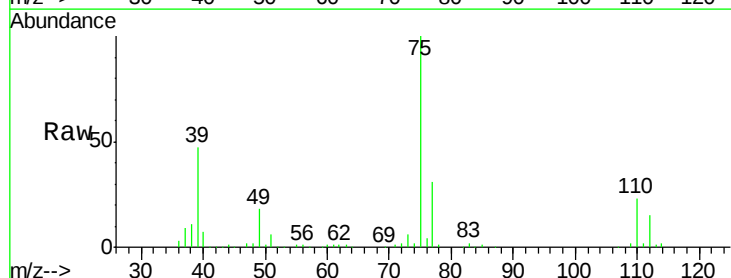
Manual Integrations
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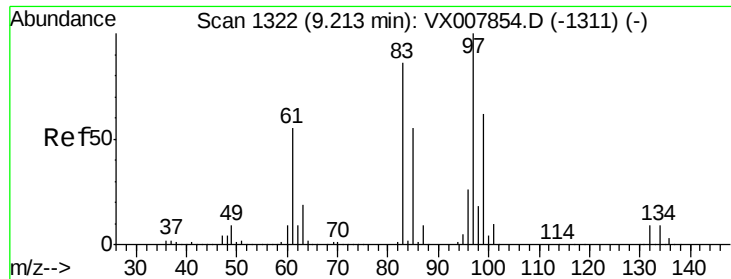
MMDadoda
3/8/2019 9:40:40 AM



#54
cis-1,3-Dichloropropene
Concen: 18.846 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion: 75 Resp: 75831
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 46.5 36.6 54.8





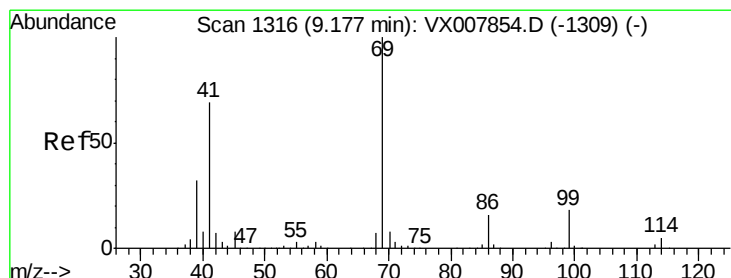
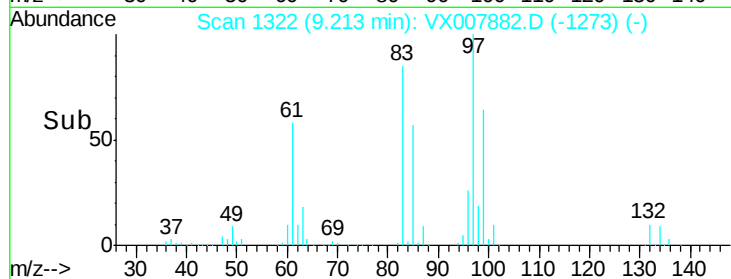
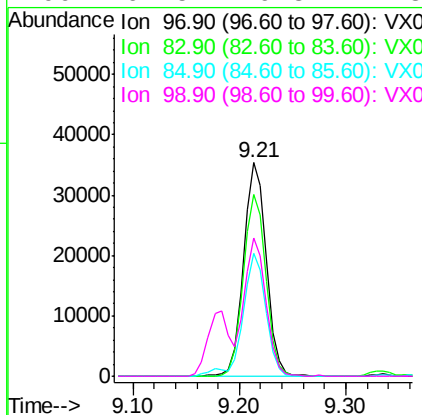
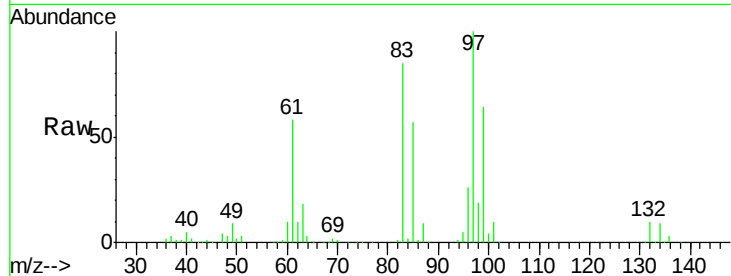
#55
 1,1,2-Trichloroethane
 Concen: 19.843 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD01

Tot Ion:	97	Resp:	52830
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.1	103.7
85	57.4	44.3	66.5
99	64.5	49.8	74.8

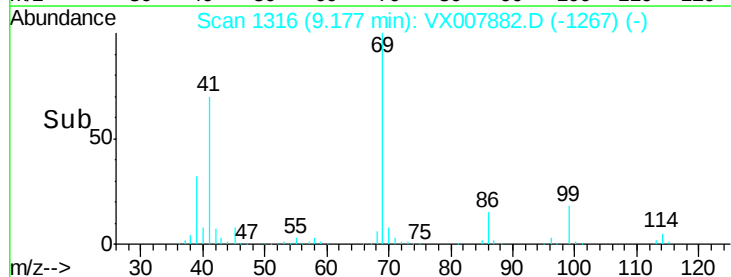
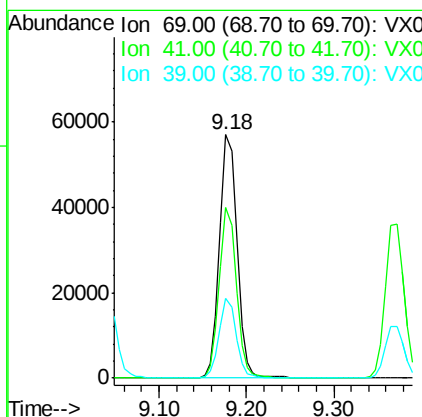
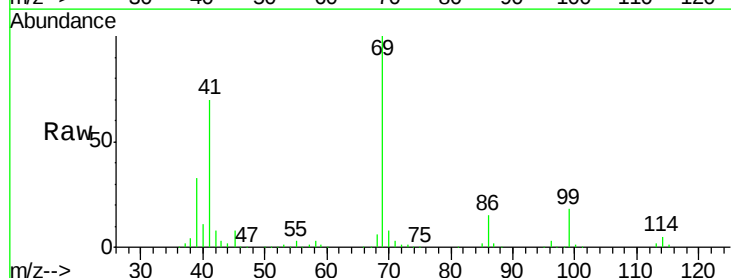
Manual Integrations
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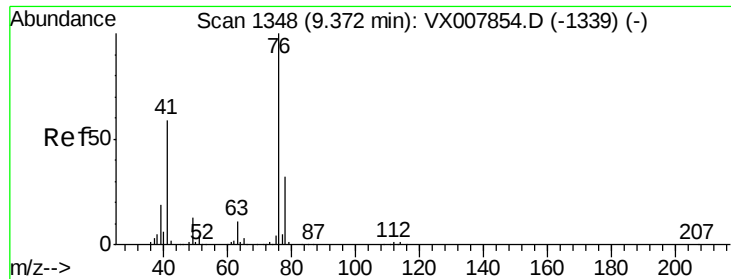
MMDadoda
 3/8/2019 9:40:40 AM



#56
 Ethyl methacrylate
 Concen: 19.931 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Tgt Ion:	69	Resp:	79674
Ion	Ratio	Lower	Upper
69	100		
41	69.2	54.2	81.4
39	31.6	25.0	37.4





#57

1,3-Dichloropropane

Concen: 19.805 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion: 76 Resp: 88533

Ion Ratio Lower Upper

76 100

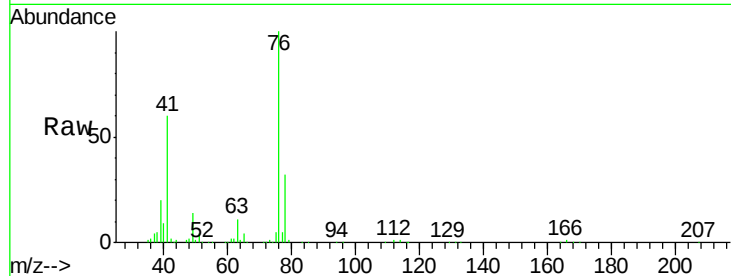
78 32.3 25.5 38.3

Manual Integrations

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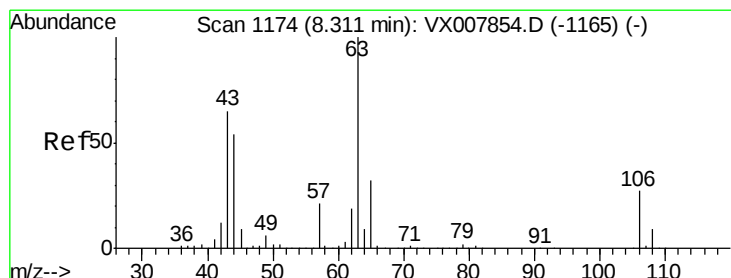
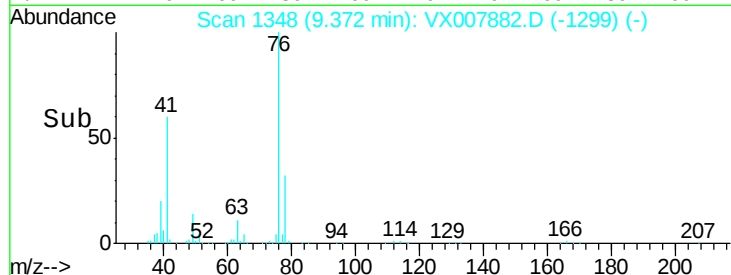
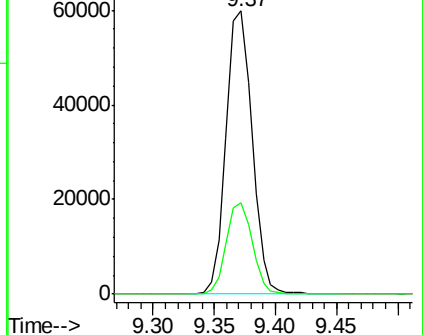
MMDadoda

3/8/2019 9:40:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.009 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007882.D

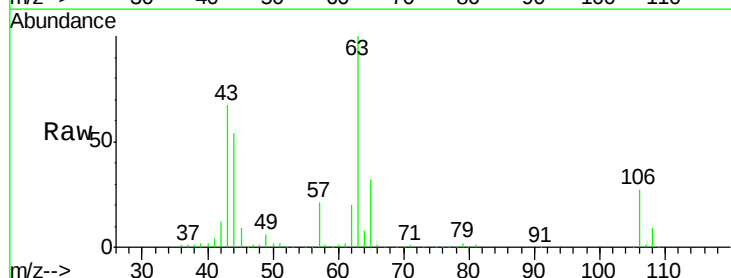
Acq: 07 Mar 2019 14:31

Tgt Ion: 63 Resp: 210933

Ion Ratio Lower Upper

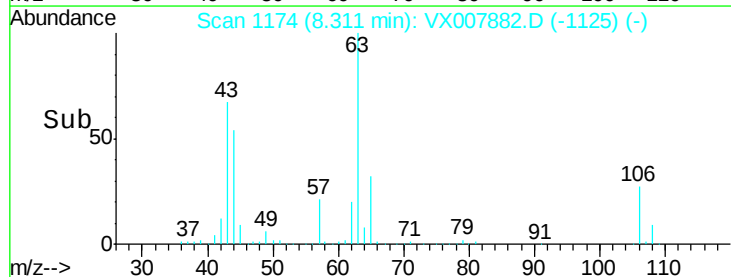
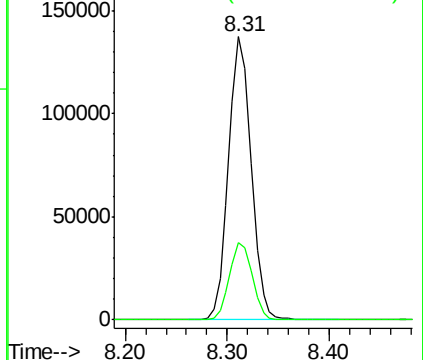
63 100

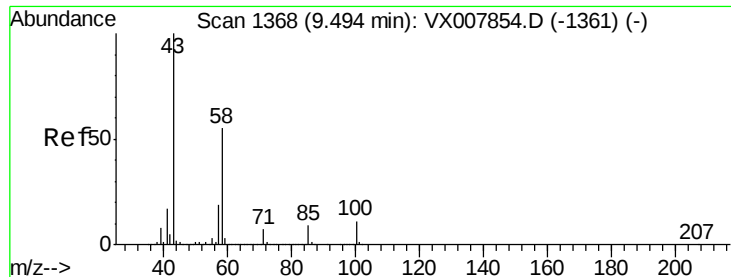
106 27.8 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





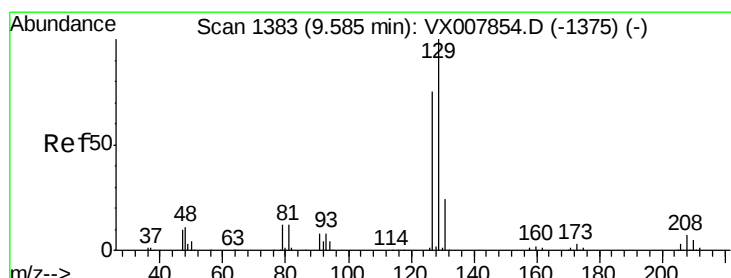
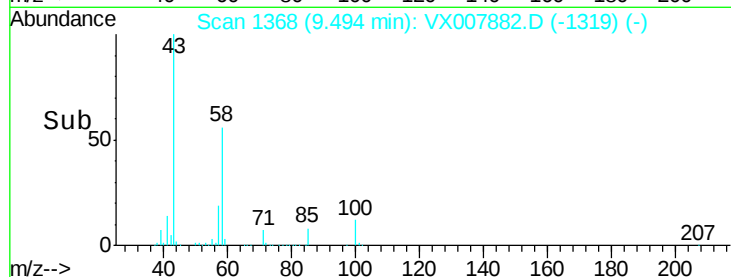
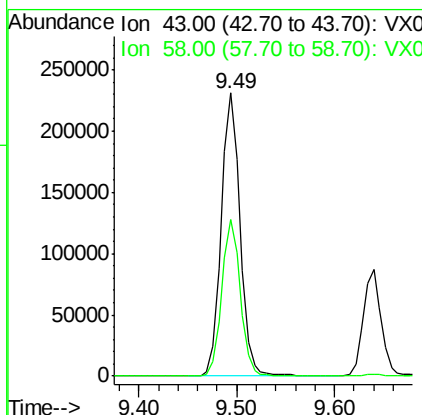
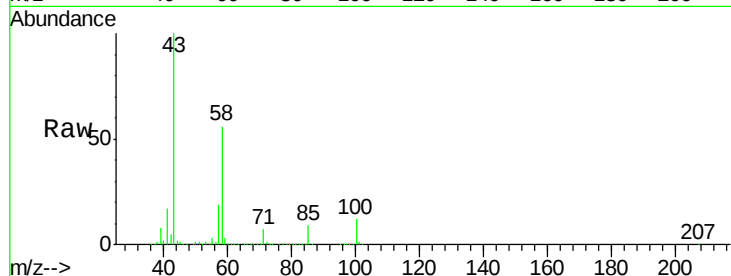
#59
2-Hexanone
Concen: 97.306 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleID :
VX0307WBSD01

Tot Ion: 43 Resp: 308753
Ion Ratio Lower Upper
43 100
58 54.8 27.6 82.7

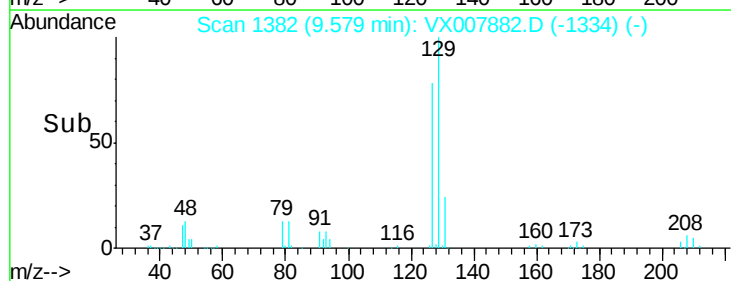
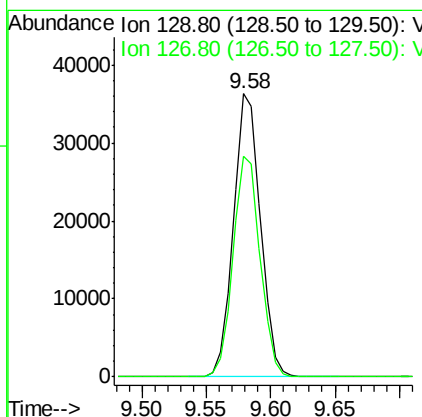
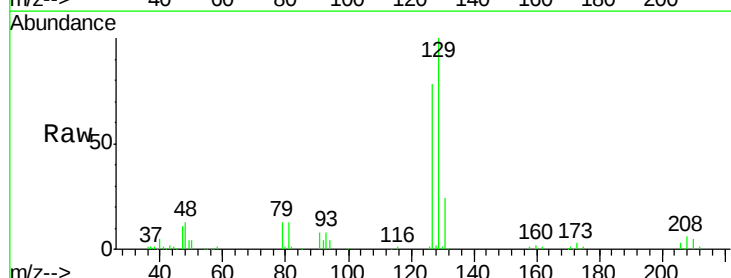
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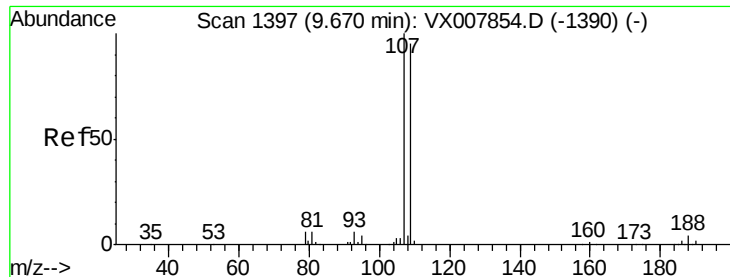
MMDadoda
3/8/2019 9:40:40 AM



#60
Dibromochloromethane
Concen: 19.074 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion: 129 Resp: 53079
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.546 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion:107 Resp: 55250

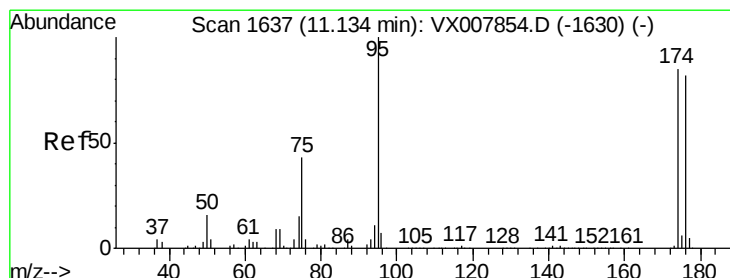
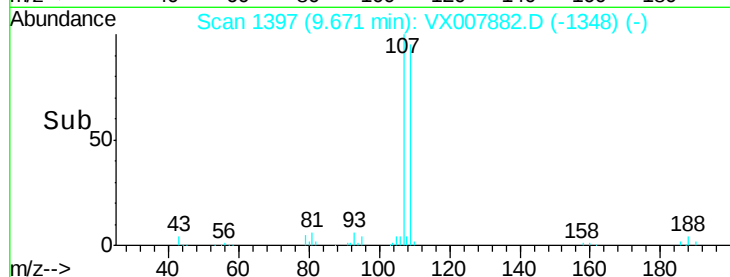
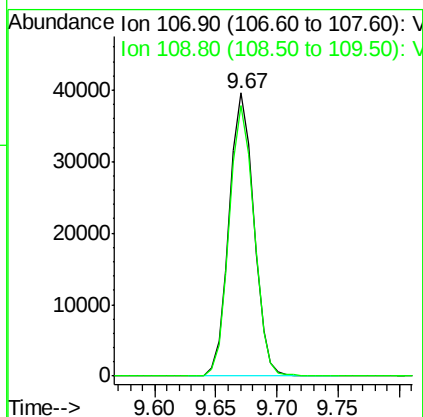
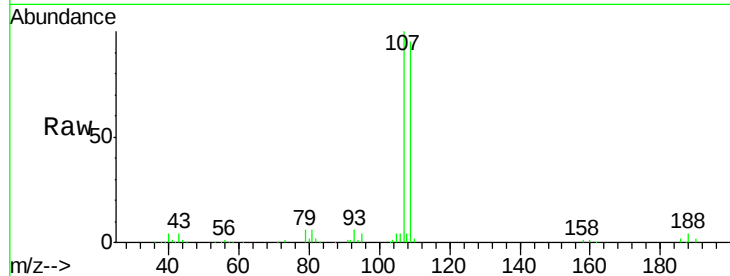
Ion Ratio Lower Upper

107 100

109 96.1 75.8 113.8

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:40 AM



#62

4-Bromofluorobenzene

Concen: 50.084 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

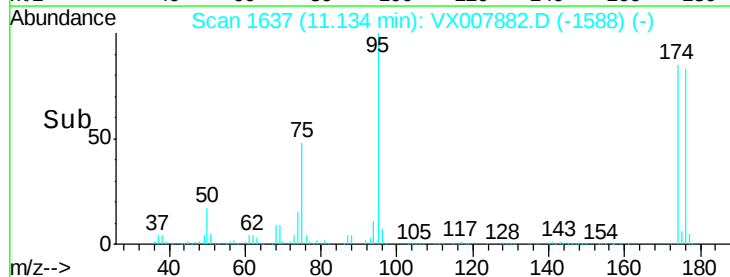
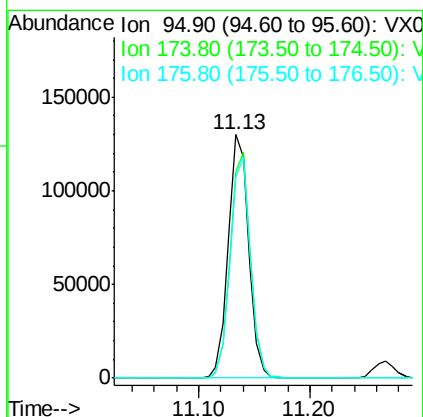
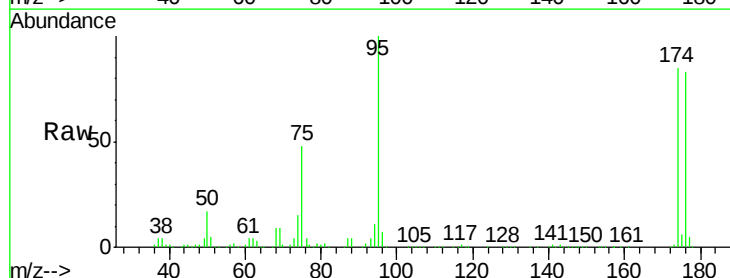
Tgt Ion: 95 Resp: 164849

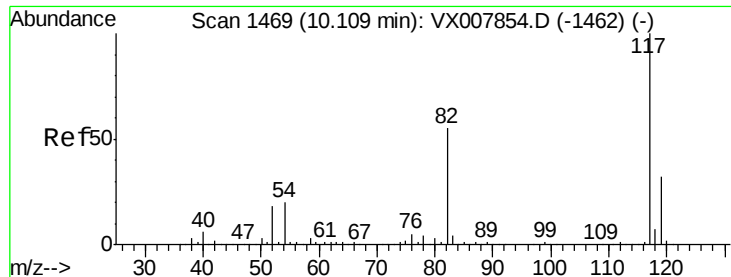
Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.8

176 89.8 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion:117 Resp: 347853

Ion Ratio Lower Upper

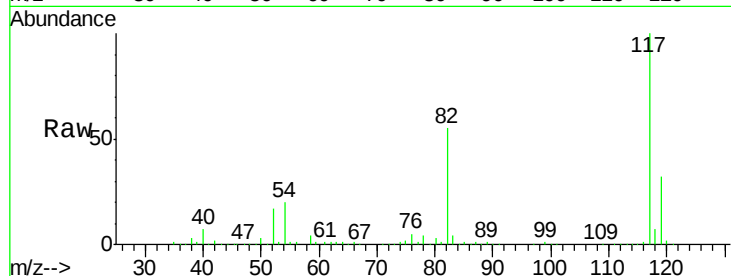
117 100

82 54.9 44.3 66.5

119 32.0 25.3 37.9

Manual Integrations
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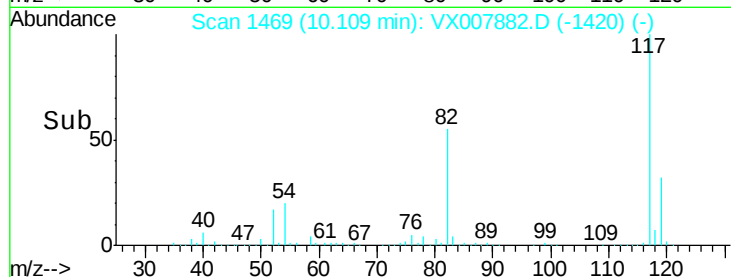
MMDadoda
3/8/2019 9:40:40 AM



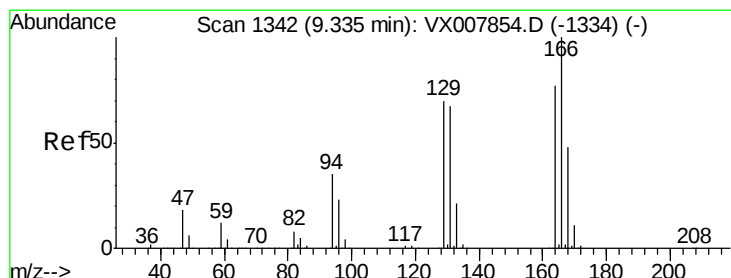
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



Time-->



#64

Tetrachloroethene

Concen: 18.520 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:164 Resp: 53385

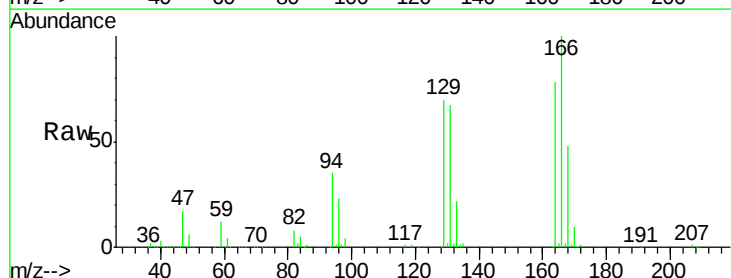
Ion Ratio Lower Upper

164 100

166 127.6 103.4 155.0

129 89.4 72.2 108.4

131 85.2 69.4 104.2

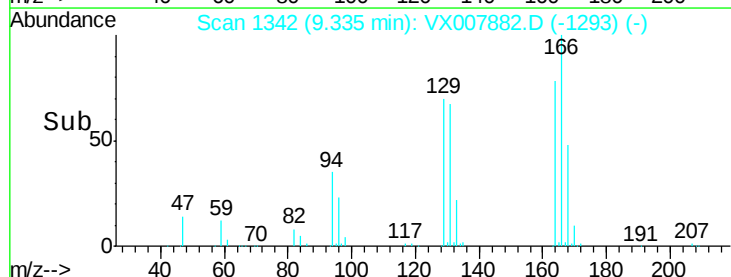


Abundance Ion 163.80 (163.50 to 164.50): V

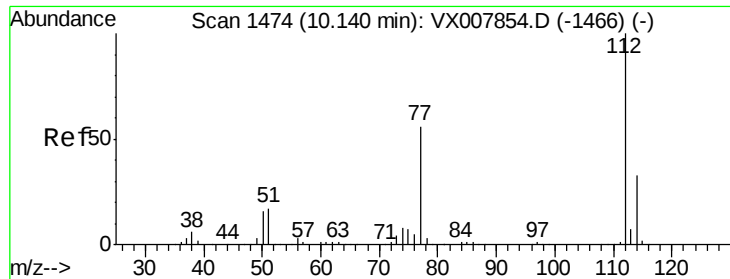
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



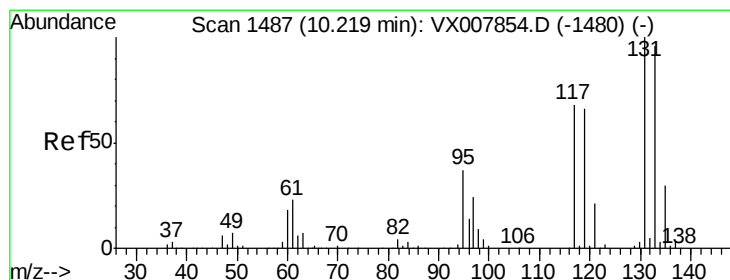
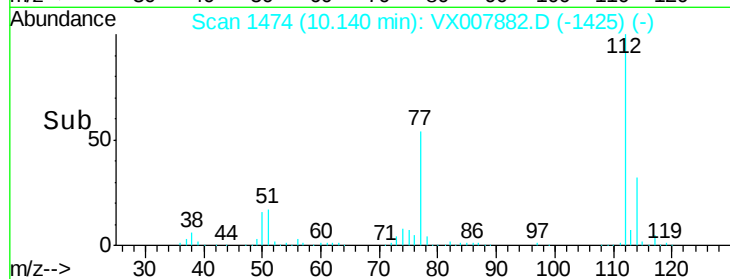
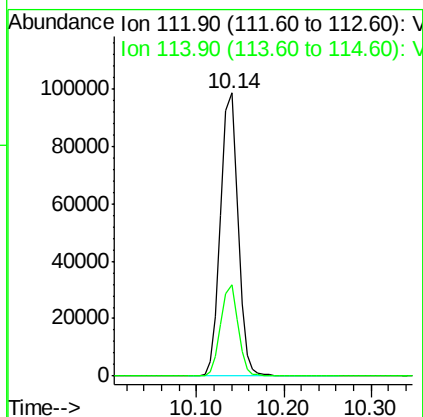
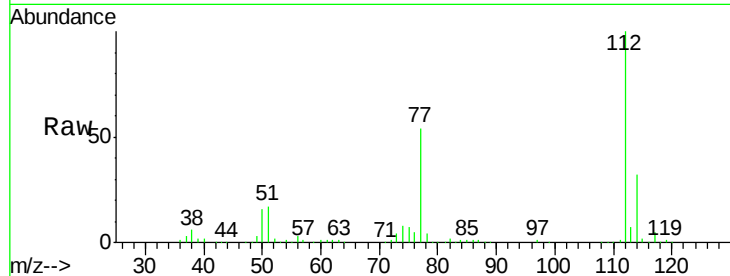
#65
Chlorobenzene
Concen: 18.773 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion:112 Resp: 136651
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

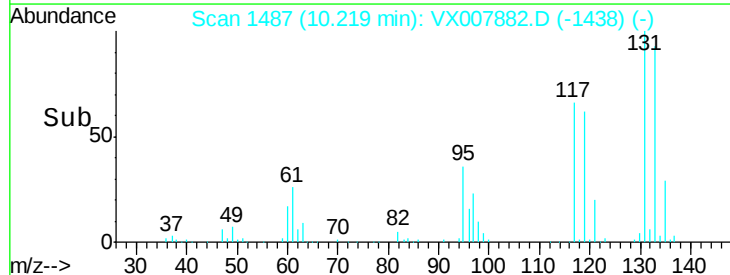
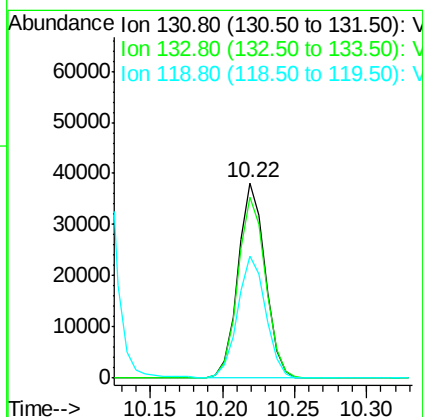
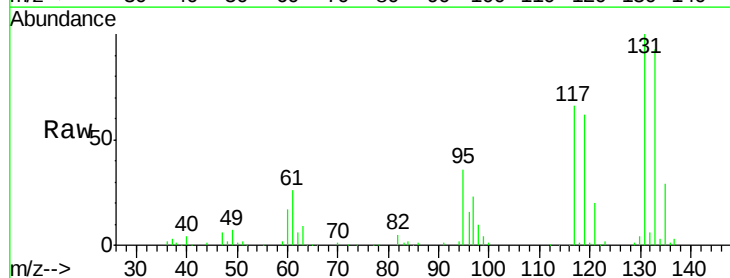
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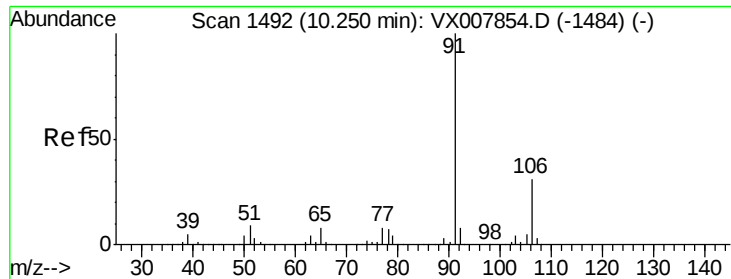
MMDadoda
3/8/2019 9:40:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.169 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion:131 Resp: 50008
Ion Ratio Lower Upper
131 100
133 94.7 47.8 143.3
119 64.3 32.5 97.5





#67

Ethyl Benzene

Concen: 18.742 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion: 91 Resp: 224567

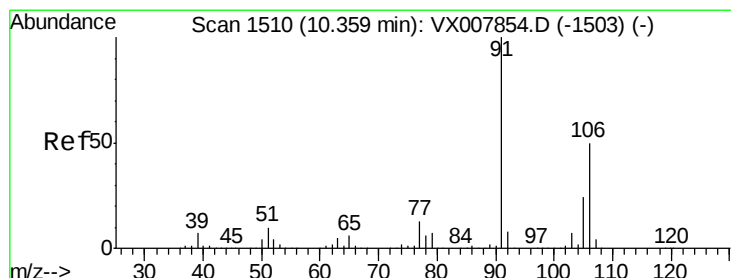
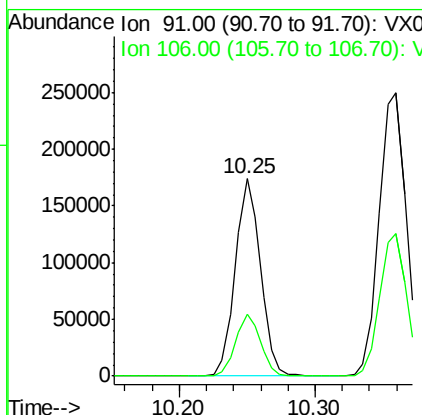
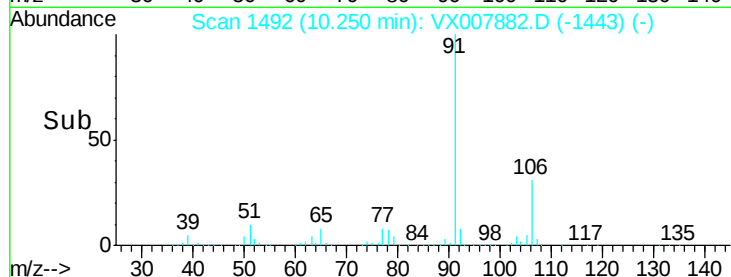
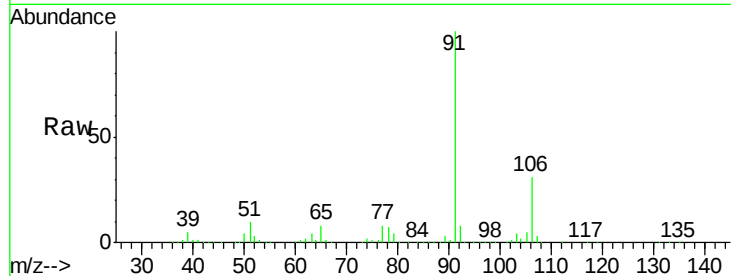
Ion Ratio Lower Upper

91 100

106 31.1 25.2 37.8

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 37.480 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007882.D

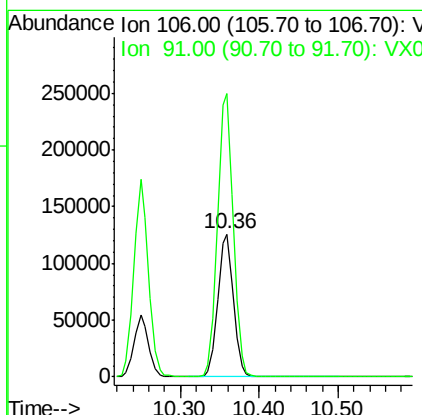
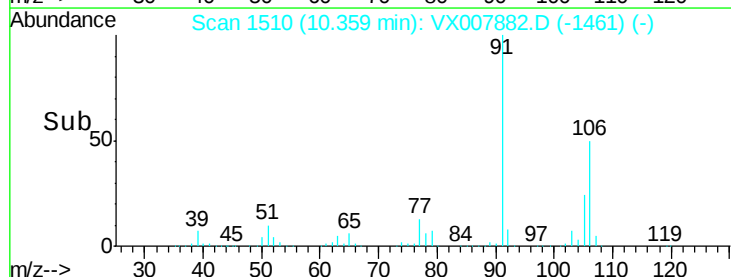
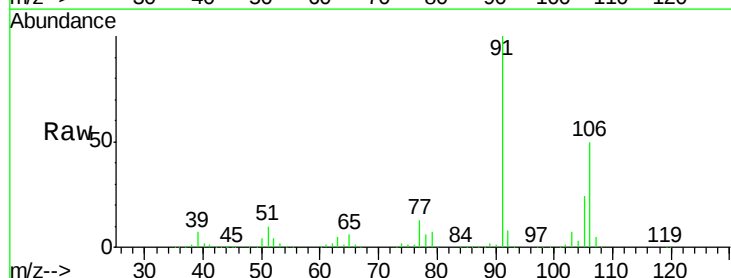
Acq: 07 Mar 2019 14:31

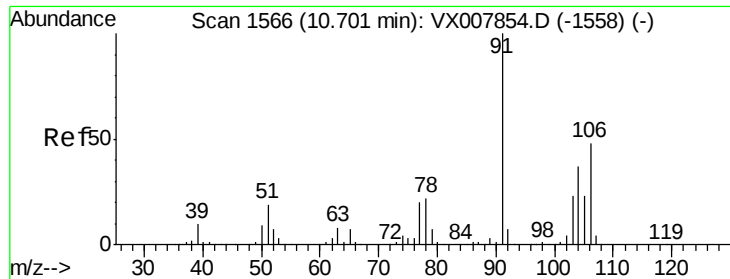
Tgt Ion: 106 Resp: 173101

Ion Ratio Lower Upper

106 100

91 200.9 159.8 239.6





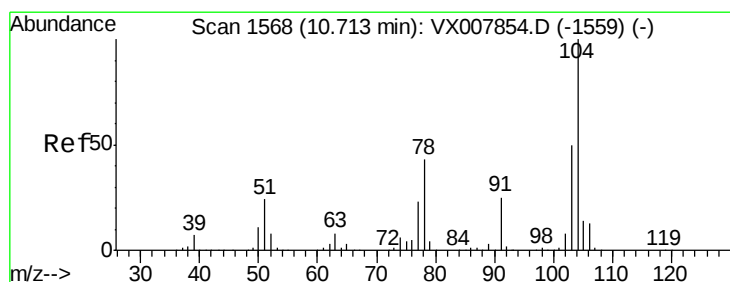
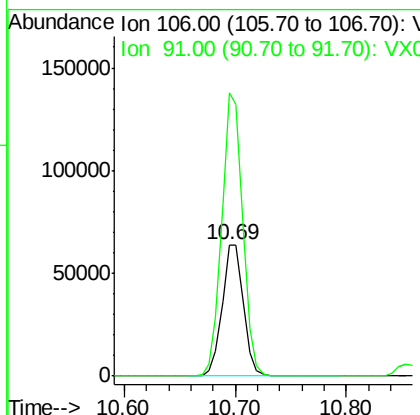
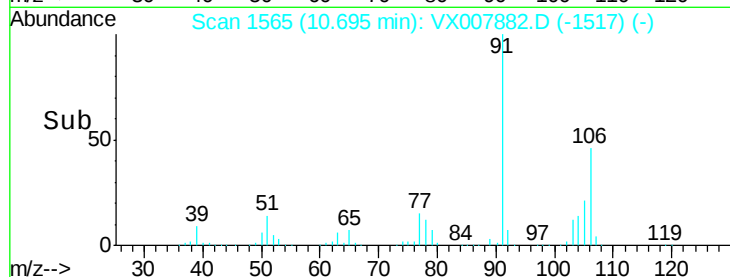
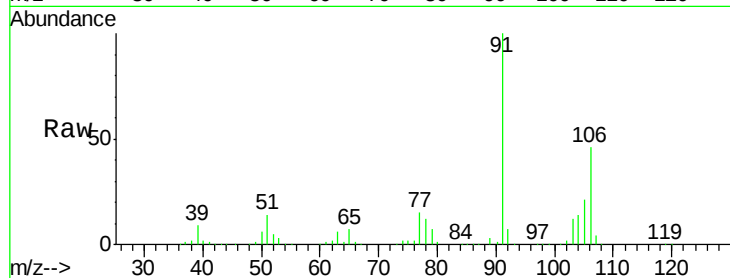
#69
o-Xylene
Concen: 18.938 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion:106 Resp: 84443
Ion Ratio Lower Upper
106 100
91 212.9 106.3 318.9

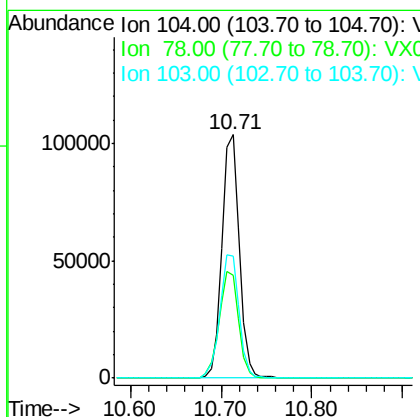
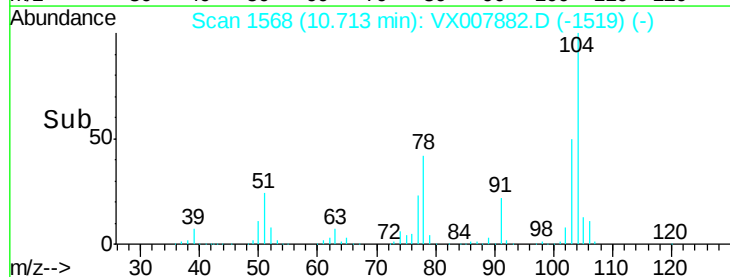
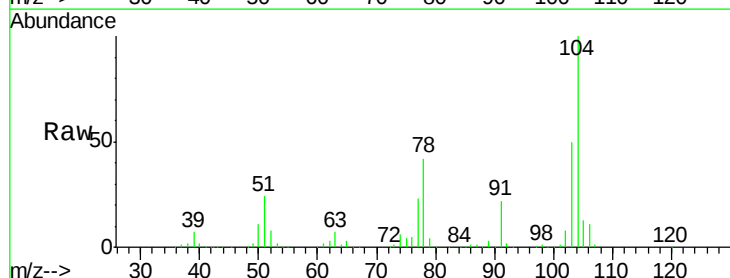
Manual Integrations
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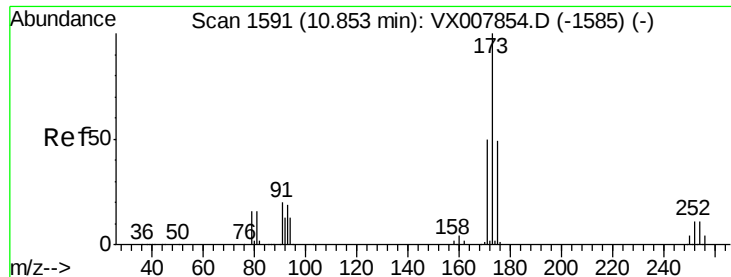
MMDadoda
3/8/2019 9:40:40 AM



#70
Styrene
Concen: 19.120 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion:104 Resp: 139512
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 55.8 44.1 66.1





#71

Bromoform

Concen: 18.365 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion:173 Resp: 41145

Ion Ratio Lower Upper

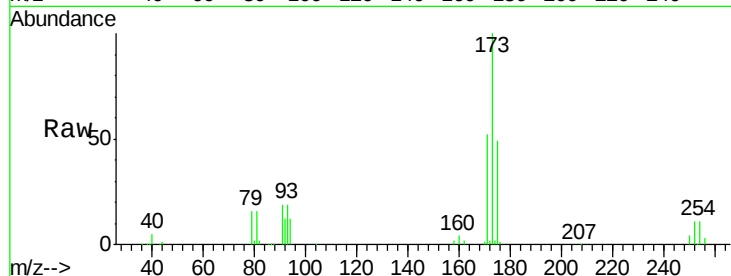
173 100

175 48.0 24.3 72.9

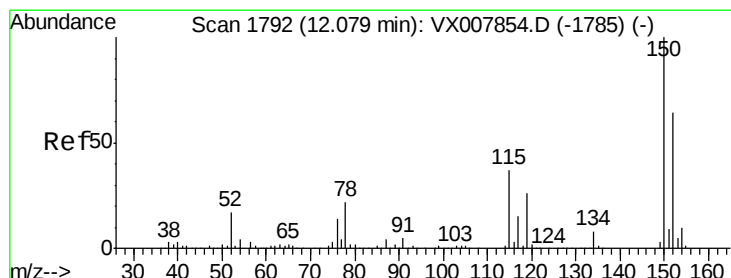
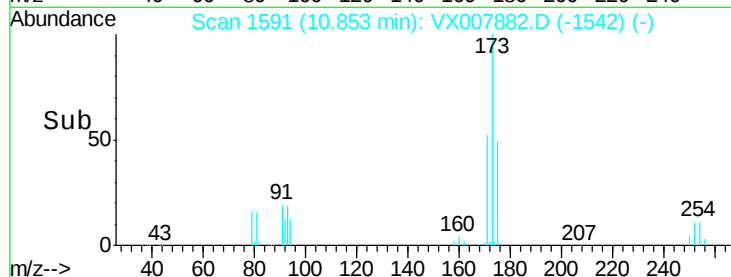
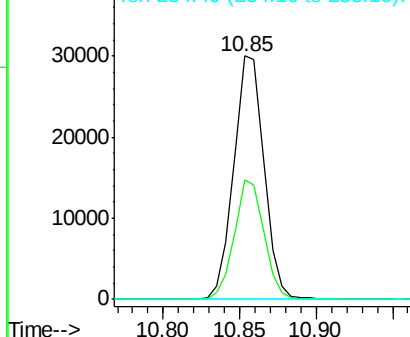
254 0.0 0.1 0.1#

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3/8/2019 9:40:40 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

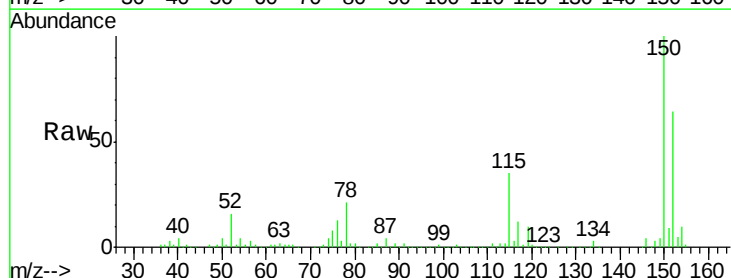
Tgt Ion:152 Resp: 171007

Ion Ratio Lower Upper

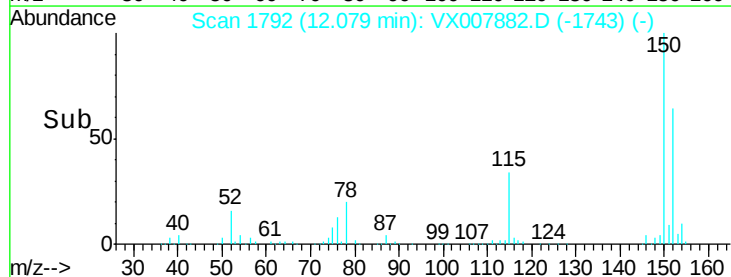
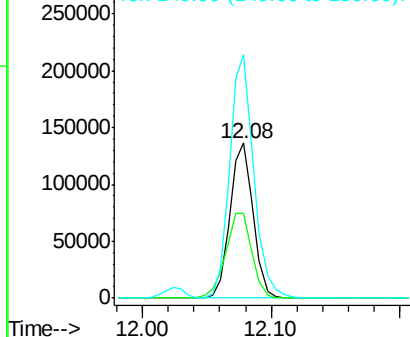
152 100

115 62.6 38.6 115.7

150 163.3 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.489 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion: 105 Resp: 225396

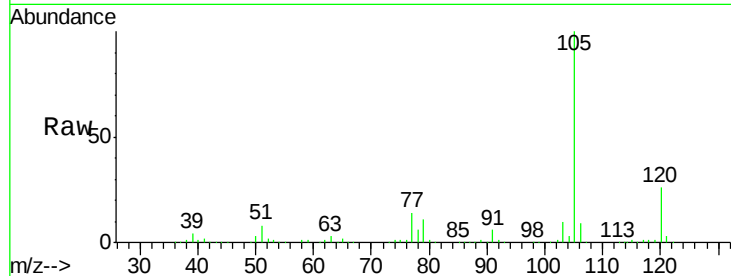
Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.1

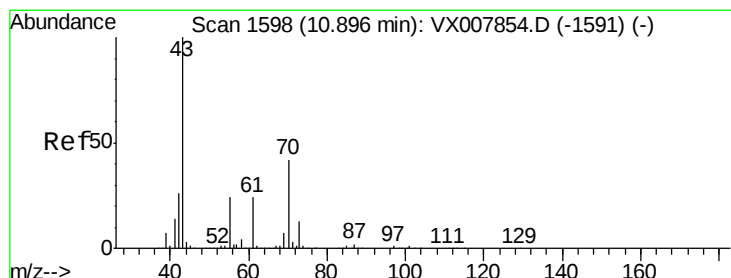
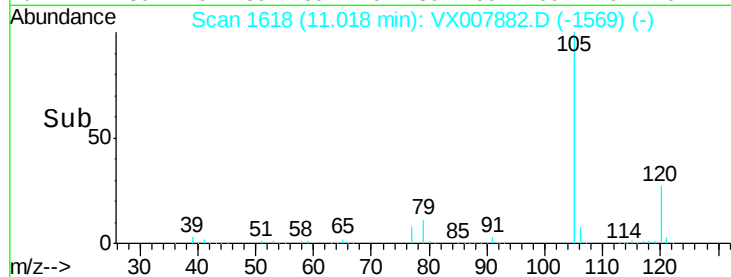
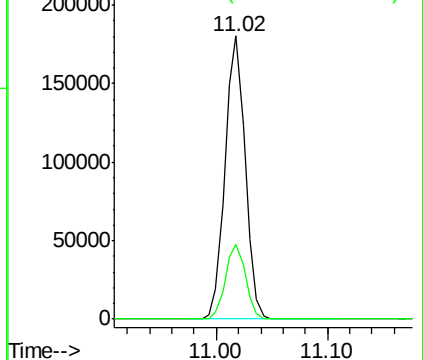
Manual Integrations
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3/8/2019 9:40:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.722 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion: 43 Resp: 104129

Ion Ratio Lower Upper

43 100

70 41.7 33.5 50.3

55 25.5 19.2 28.8

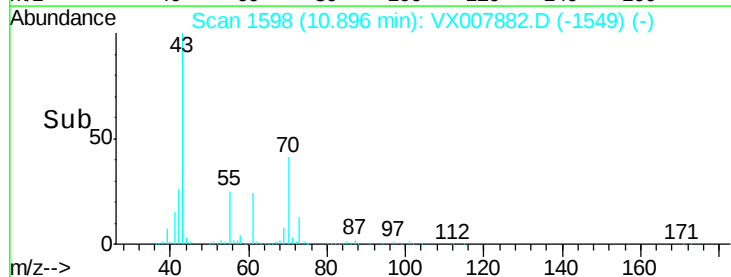
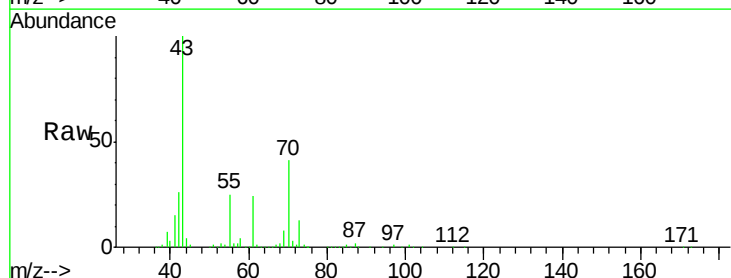
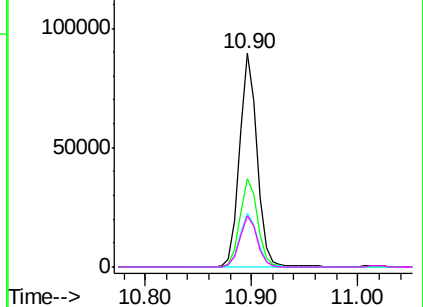
61 23.8 19.0 28.6

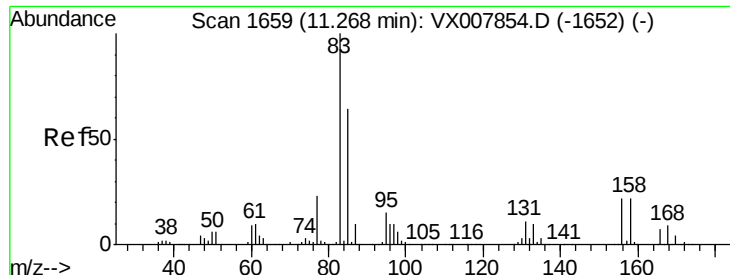
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.947 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

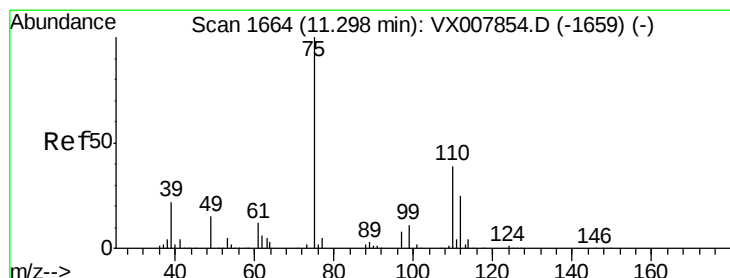
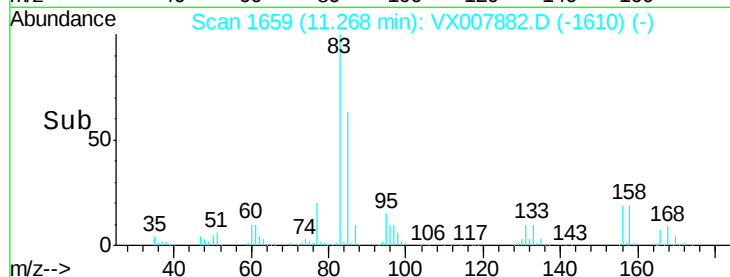
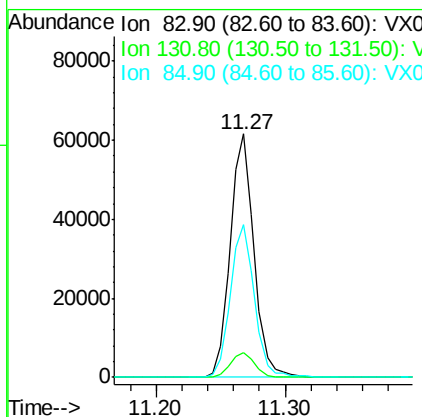
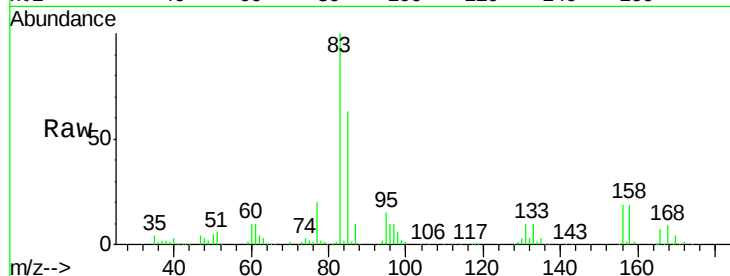
ClientSampleId :

VX0307WBSD01

Tot Ion:	83	Resp:	79575
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	63.7	32.3	96.8

Manual Integrations
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MMDadoda
3/8/2019 9:40:40 AM



#76

1,2,3-Trichloropropane

Concen: 20.823 ug/l m

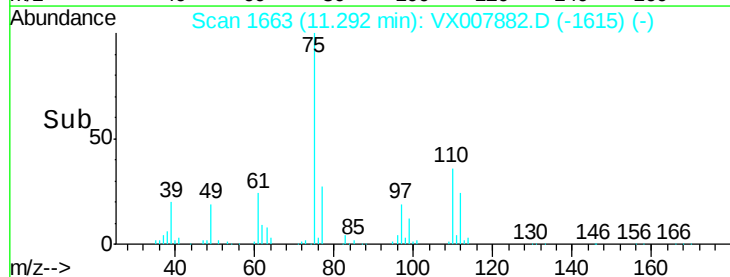
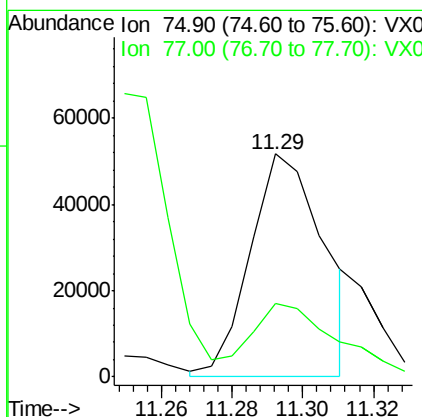
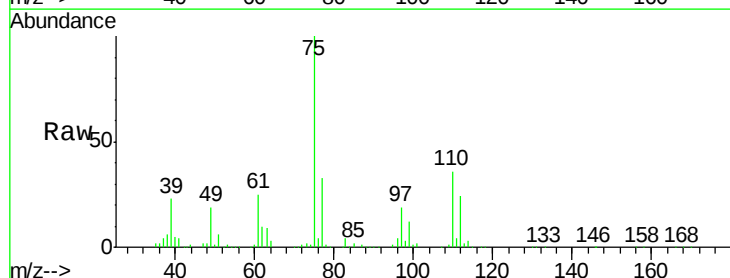
RT: 11.29 min Scan# 1663

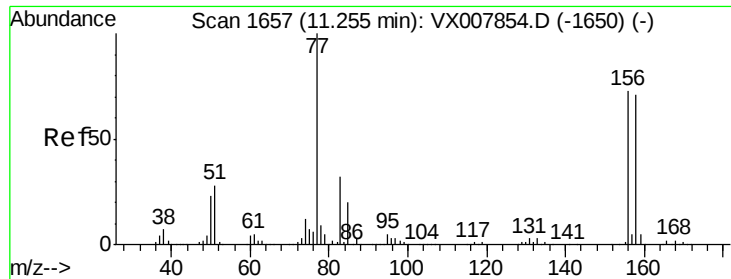
Delta R.T. -0.01 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	75	Resp:	74721
Ion Ratio	Lower	Upper	
75	100		
77	38.9	18.9	56.7





#77

Bromobenzene

Concen: 19.175 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion:156 Resp: 60802

Ion Ratio Lower Upper

156 100

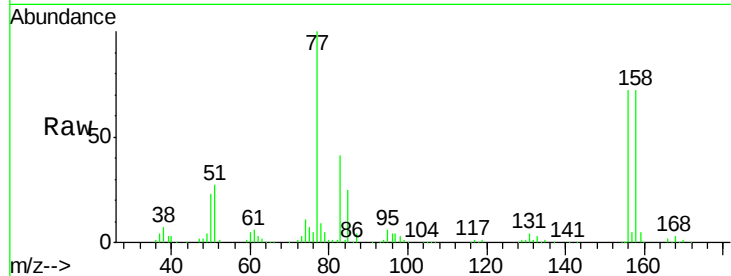
77 144.6 72.0 215.9

158 97.9 48.6 145.9

Manual Integrations
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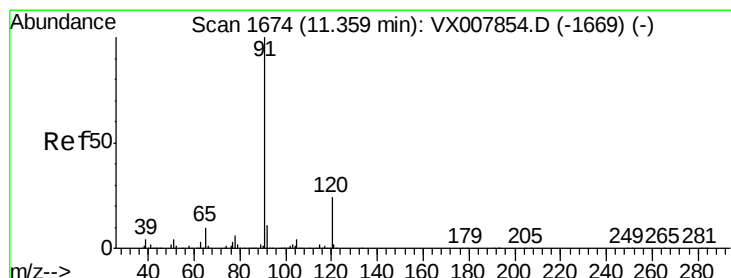
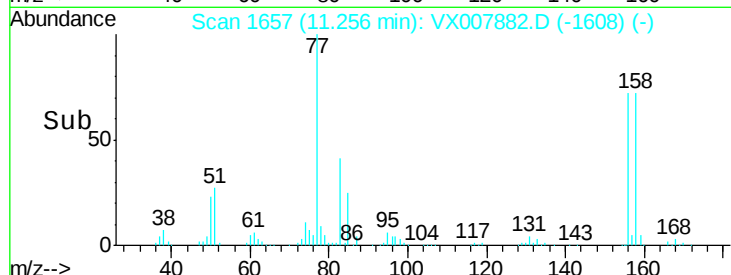
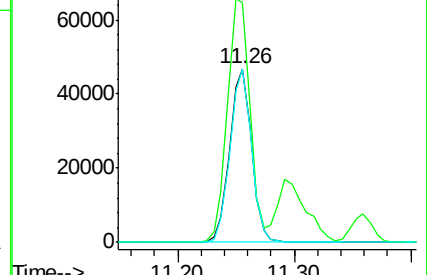
3/8/2019 9:40:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.230 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007882.D

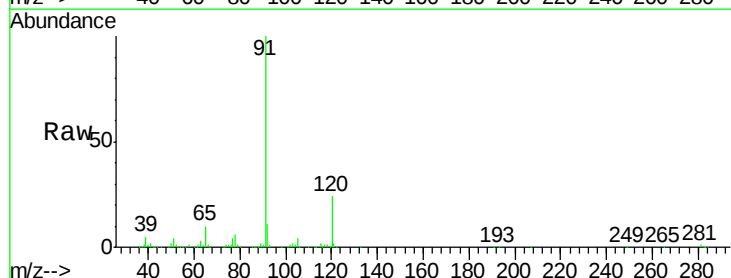
Acq: 07 Mar 2019 14:31

Tgt Ion: 91 Resp: 246730

Ion Ratio Lower Upper

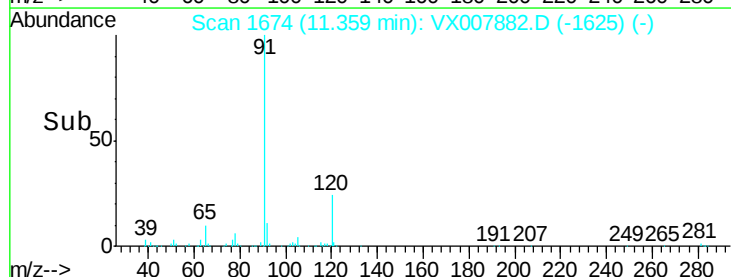
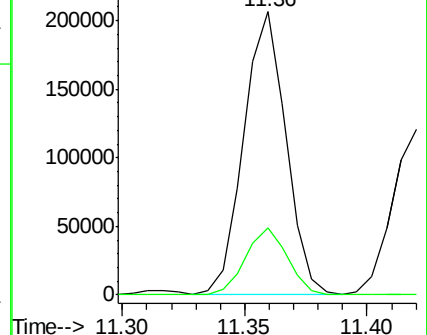
91 100

120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





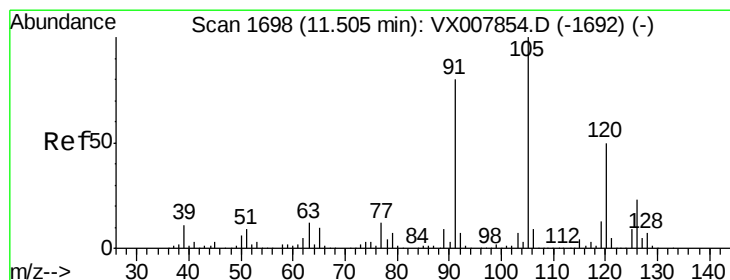
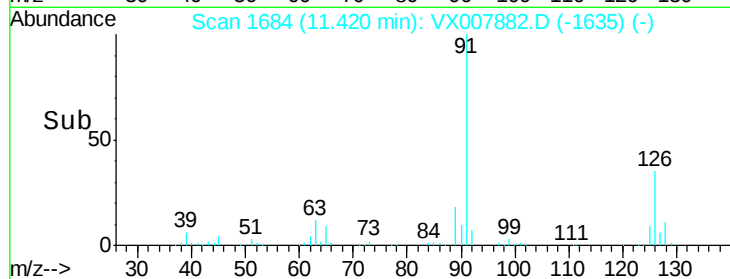
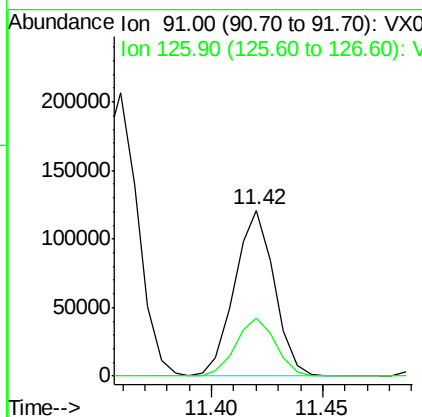
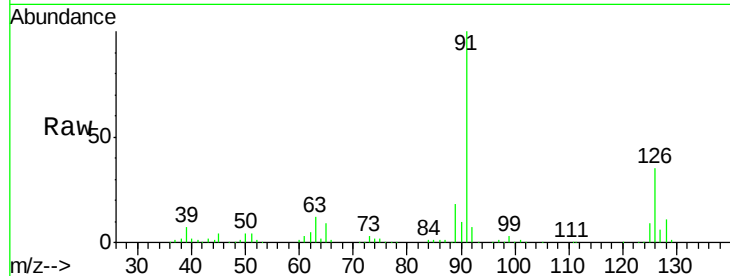
#79
2-Chlorotoluene
Concen: 18.947 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion: 91 Resp: 148639
Ion Ratio Lower Upper
91 100
126 35.4 17.5 52.6

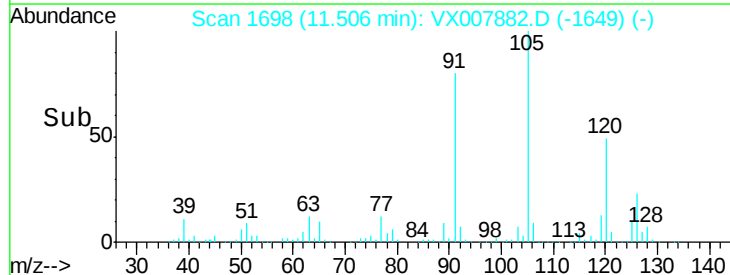
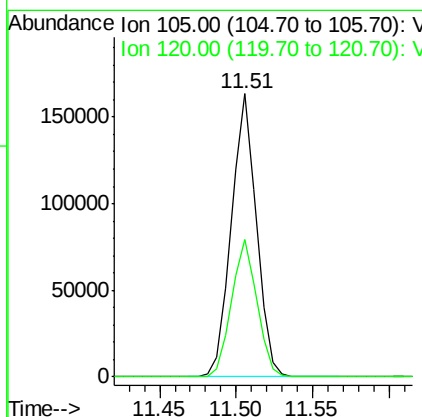
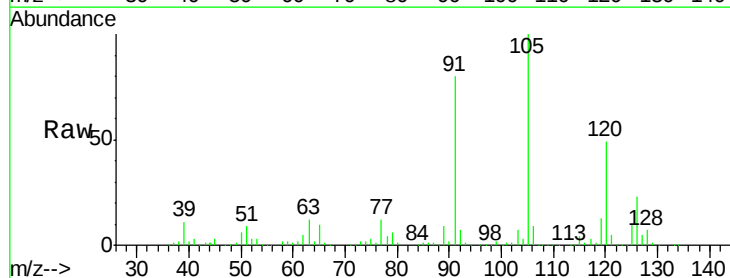
Manual Integrations
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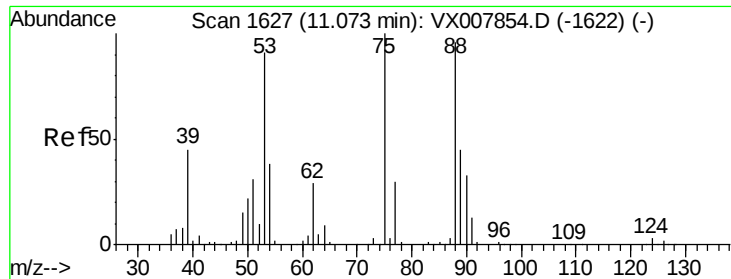
MMDadoda
3/8/2019 9:40:40 AM



#80
1,3,5-Trimethylbenzene
Concen: 19.530 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion: 105 Resp: 185907
Ion Ratio Lower Upper
105 100
120 49.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.717 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion: 75 Resp: 19889

Ion Ratio Lower Upper

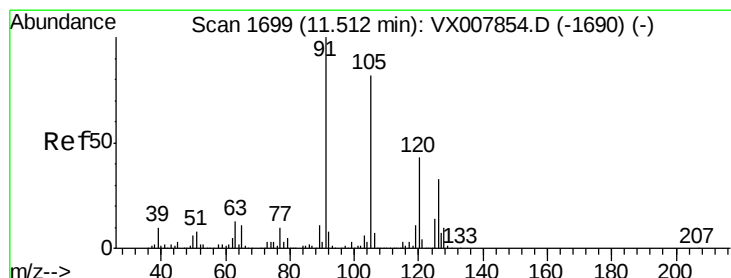
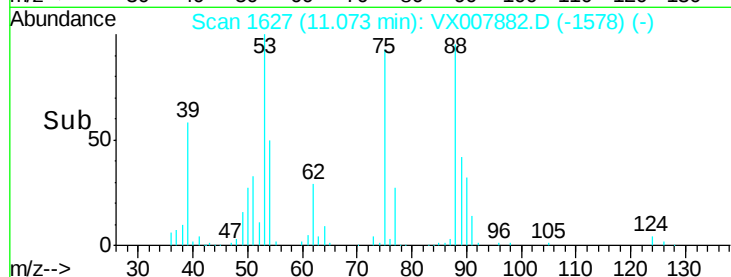
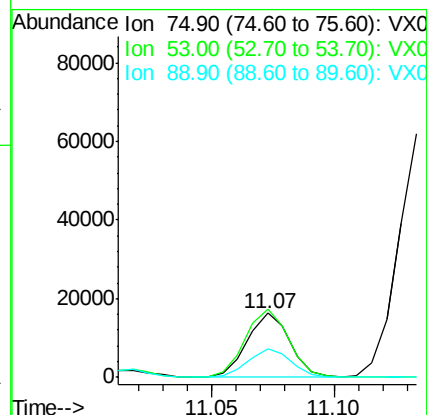
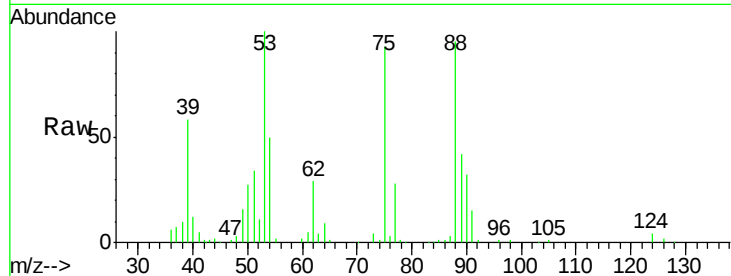
75 100

53 107.1 76.1 114.1

89 45.3 36.3 54.5

Manual Integrations
APPROVED

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3/8/2019 9:40:40 AM



#82

4-Chlorotoluene

Concen: 18.864 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007882.D

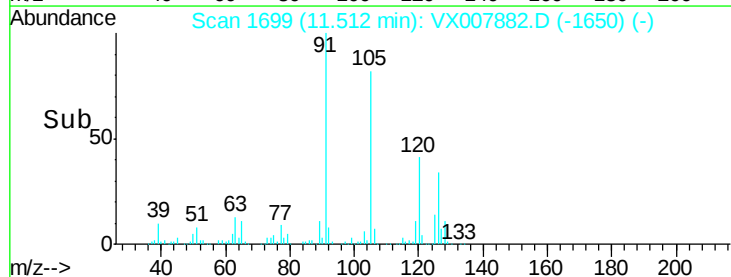
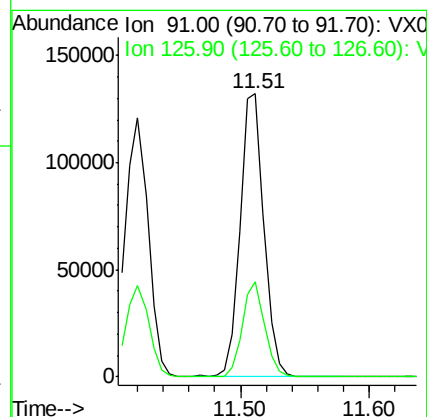
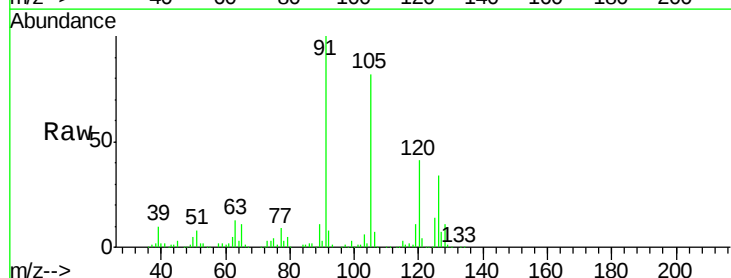
Acq: 07 Mar 2019 14:31

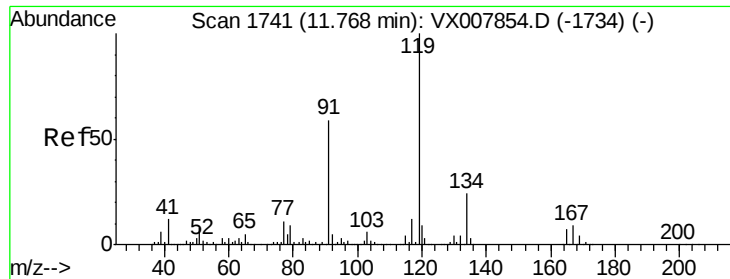
Tgt Ion: 91 Resp: 169596

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8





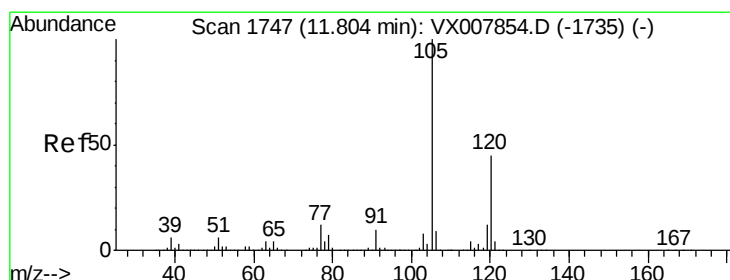
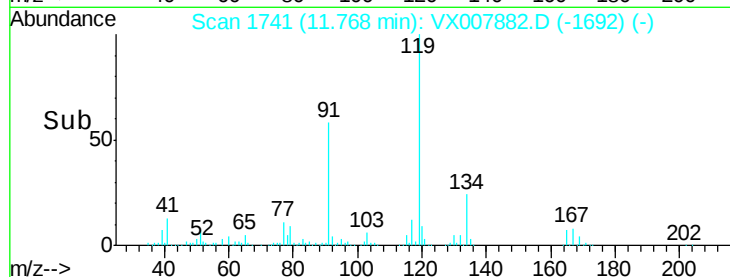
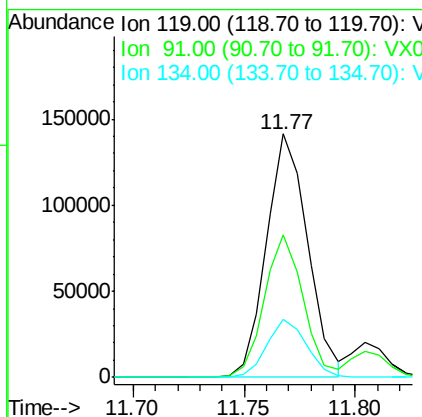
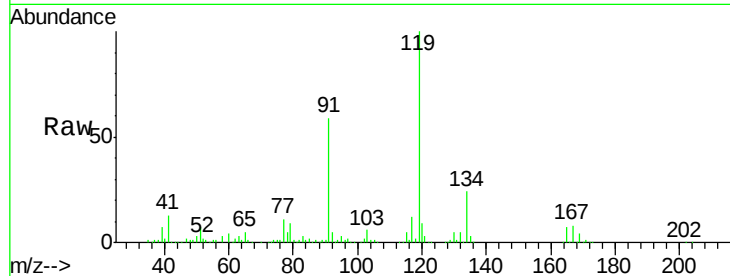
#83
tert-Butylbenzene
Concen: 18.975 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	181945		
91	55.3	27.1	81.3	
134	23.2	11.4	34.1	

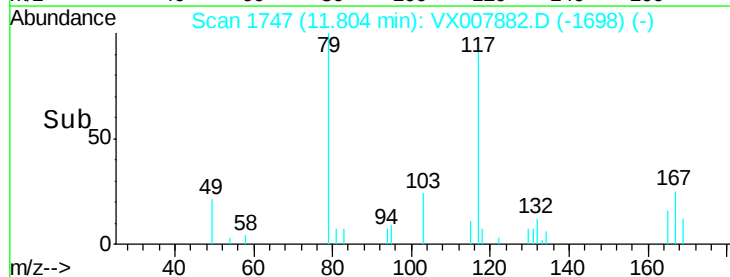
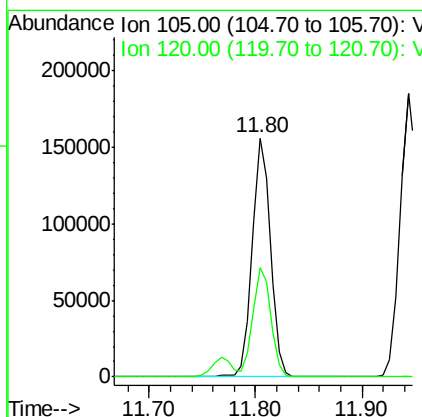
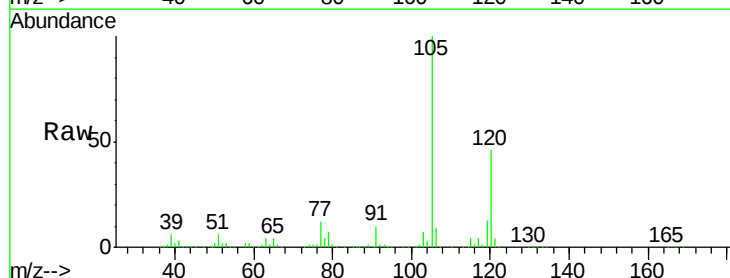
Manual Integrations
APPROVED

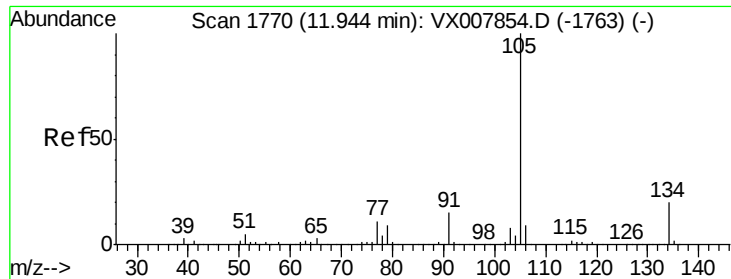
MMDadoda
3/8/2019 9:40:40 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.390 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	189207		
120	45.1	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.243 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD01

Tot Ion:105 Resp: 217312

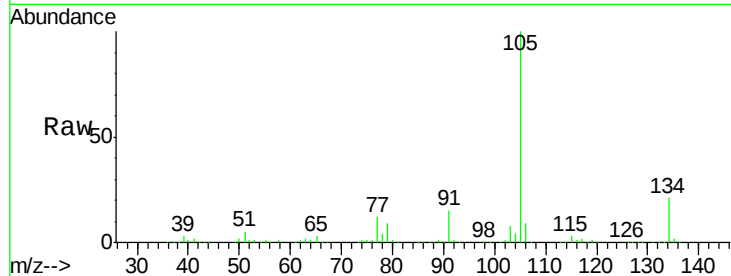
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2

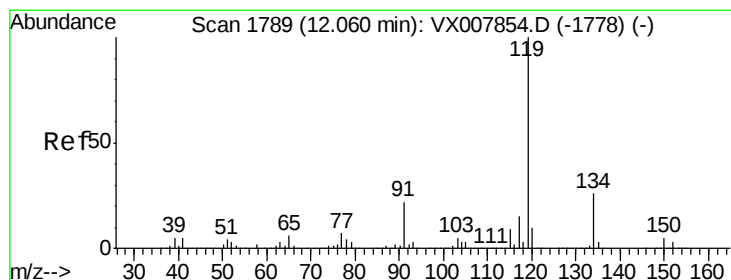
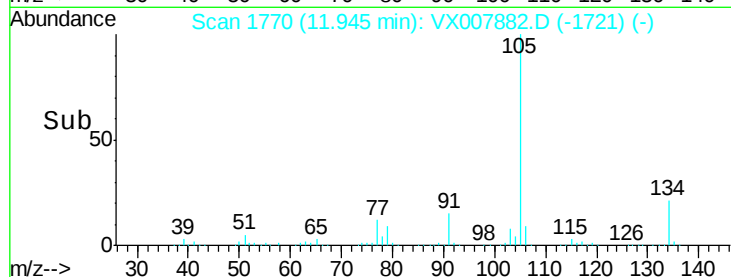
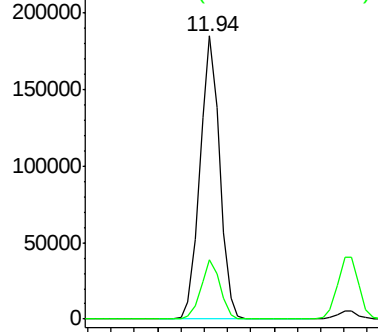
Manual Integrations
APPROVED

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3/8/2019 9:40:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.210 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

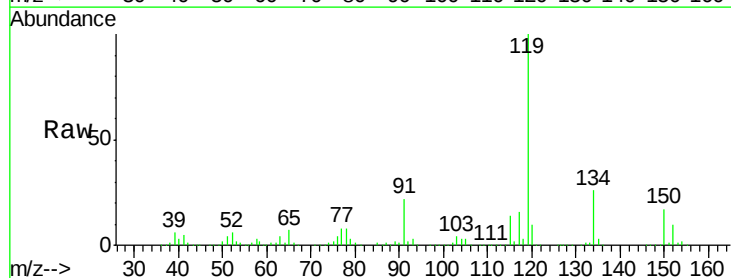
Tgt Ion:119 Resp: 194282

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

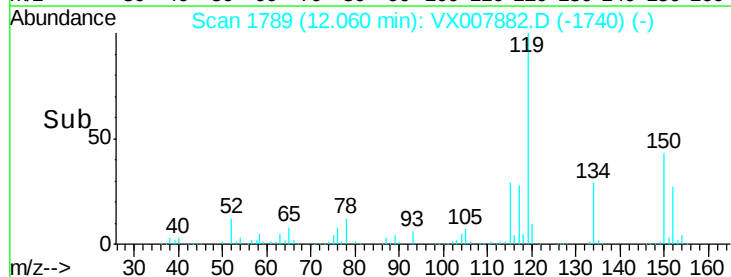
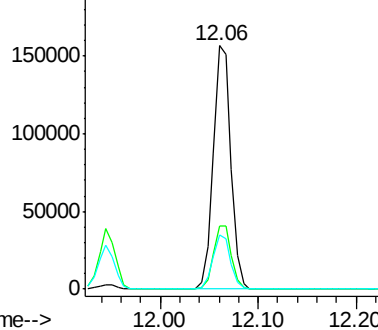
91 22.4 10.9 32.7

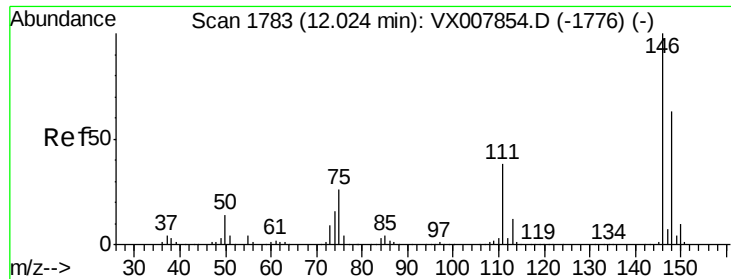


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





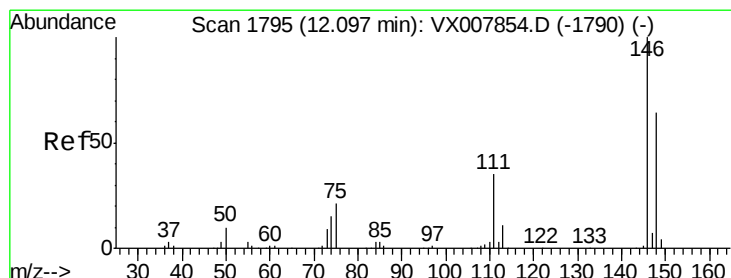
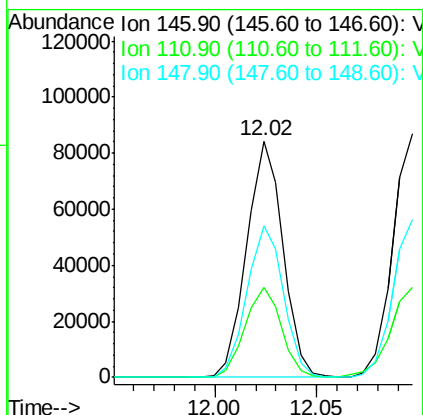
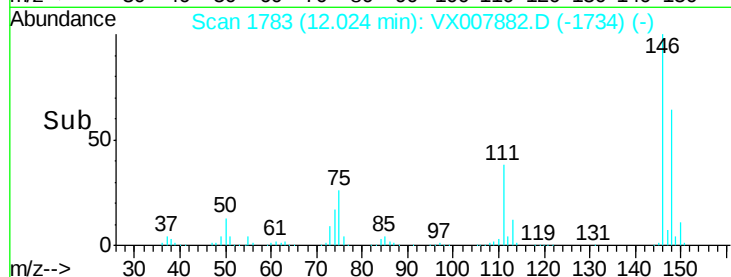
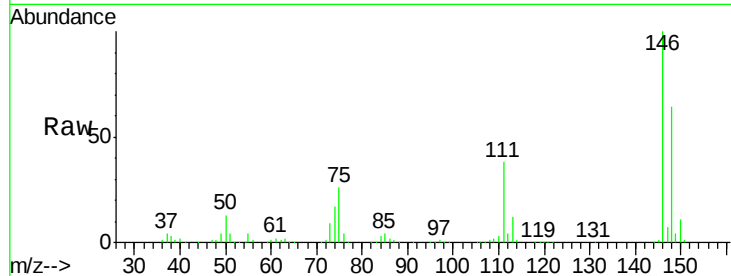
#87
 1,3-Dichlorobenzene
 Concen: 18.621 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.7
148	64.6	31.7	95.1

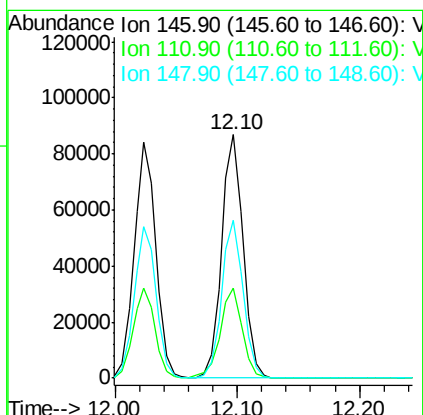
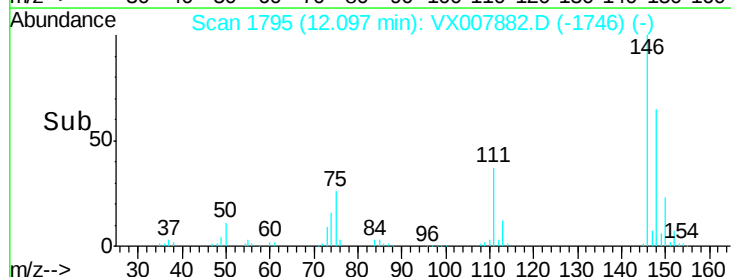
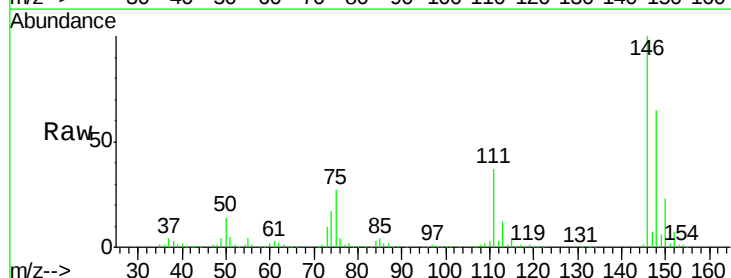
Manual Integrations
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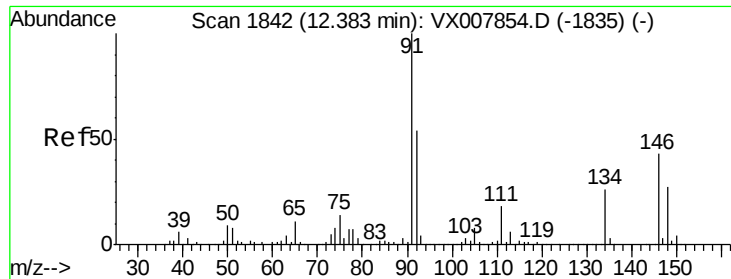
MMDadoda
 3/8/2019 9:40:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.399 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.4	55.0
148	64.7	32.2	96.6





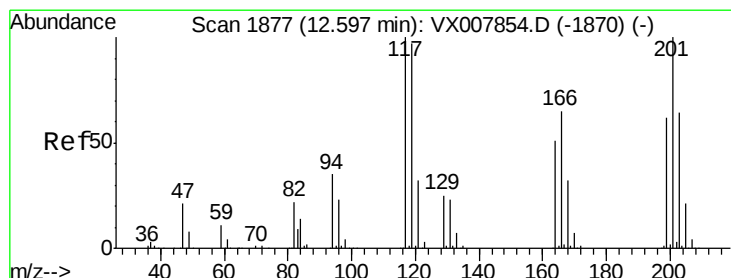
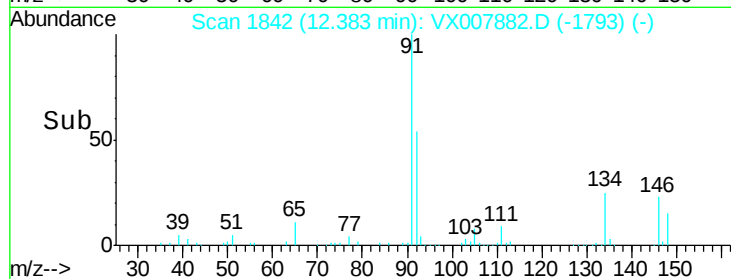
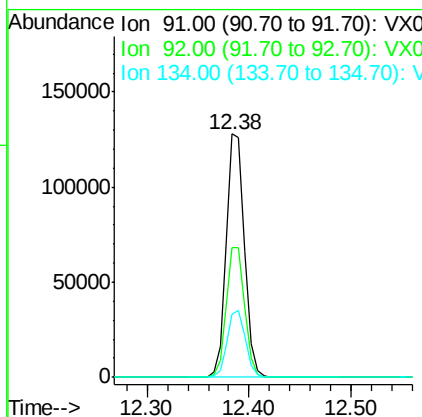
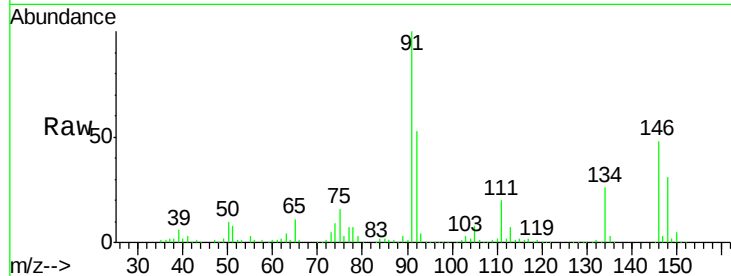
#89
n-Butylbenzene
Concen: 18.275 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.0	80.8
134	27.3	13.7	41.0

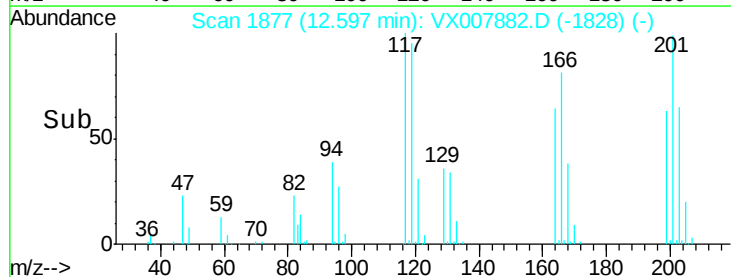
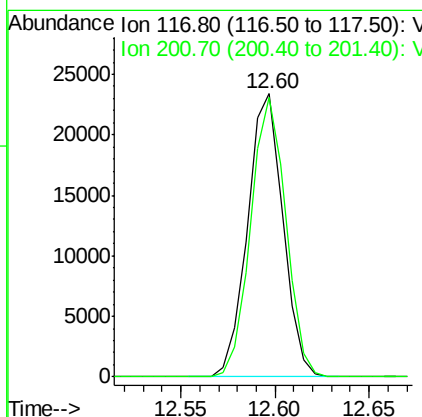
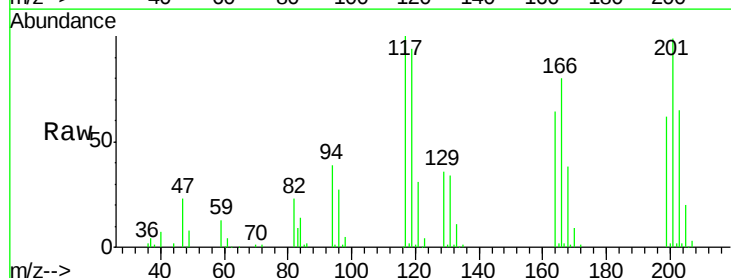
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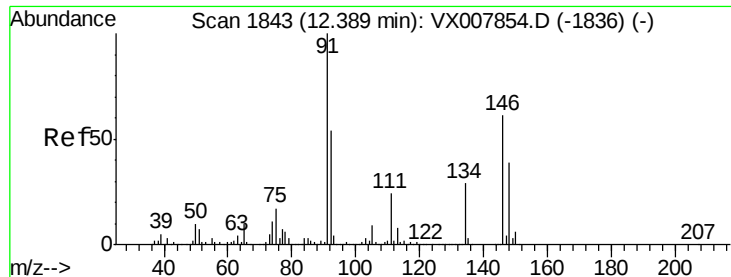
MMDadoda
3/8/2019 9:40:40 AM



#90
Hexachloroethane
Concen: 18.008 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007882.D
Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.9	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 19.106 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

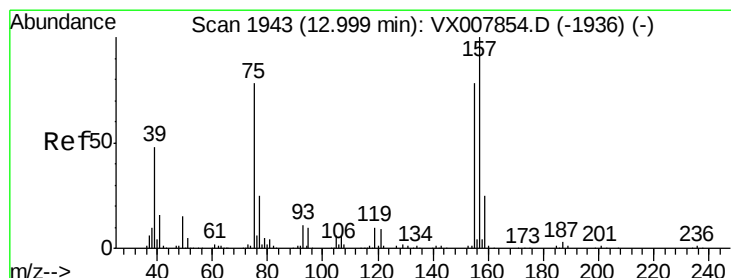
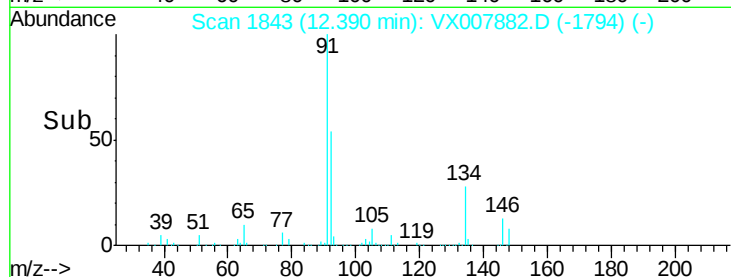
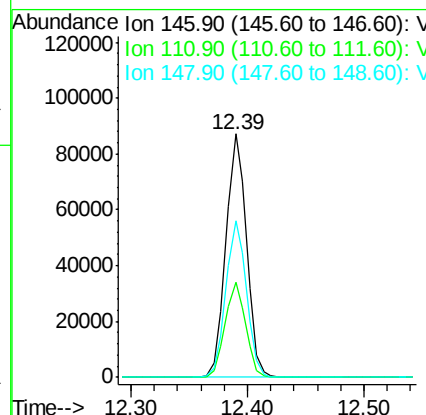
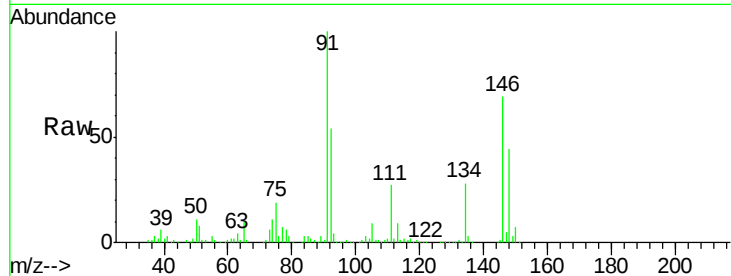
ClientSampleId :

VX0307WBSD01

Tot Ion:	146	Resp:	106472
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.6	58.8
148	64.4	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:40 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.642 ug/l

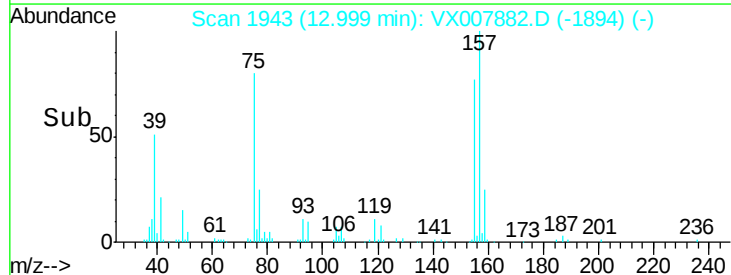
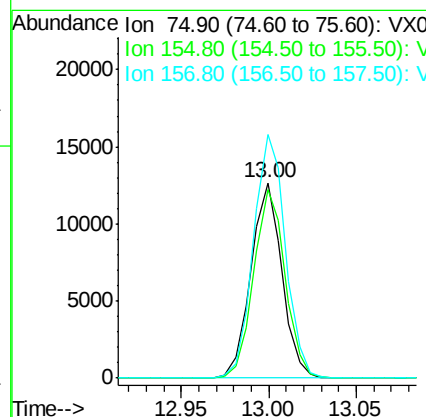
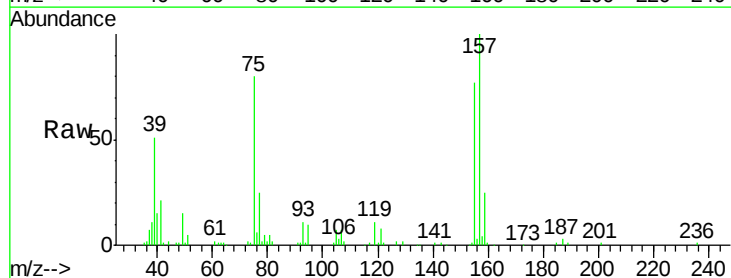
RT: 13.00 min Scan# 1943

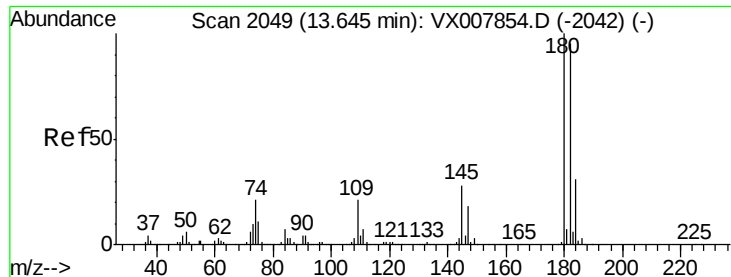
Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	75	Resp:	15543
Ion Ratio	Lower	Upper	
75	100		
155	98.1	49.7	149.1
157	128.4	63.8	191.4





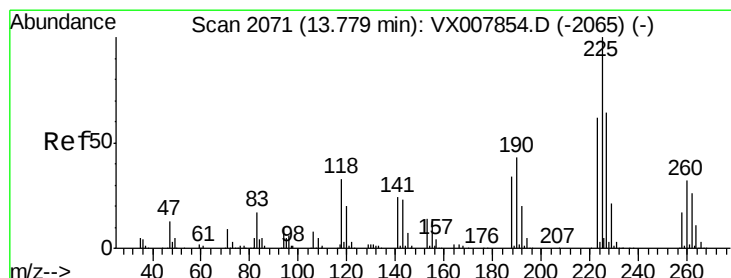
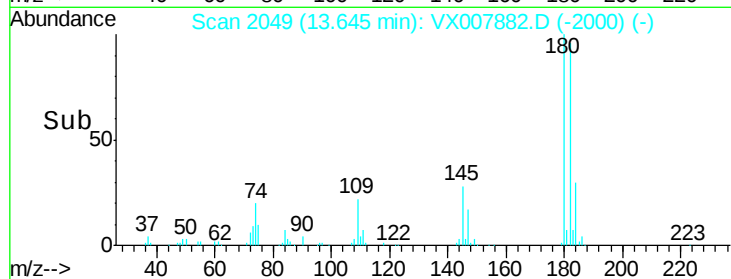
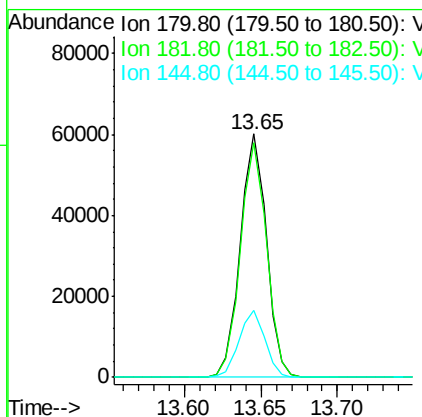
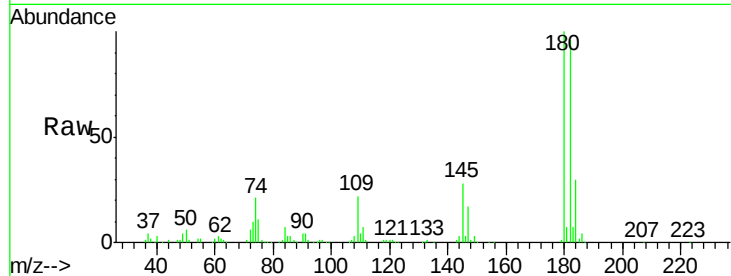
#93
 1,2,4-Trichlorobenzene
 Concen: 18.217 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	27.4	14.1	42.4

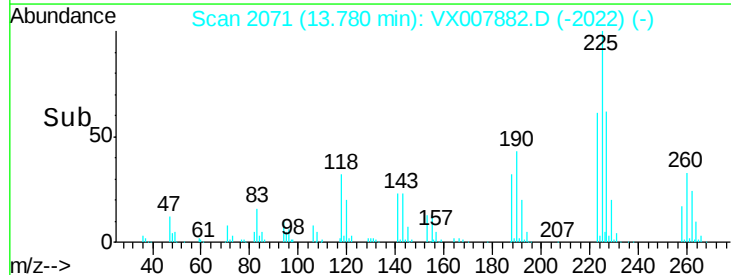
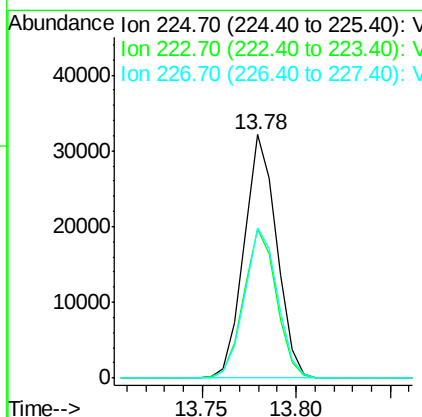
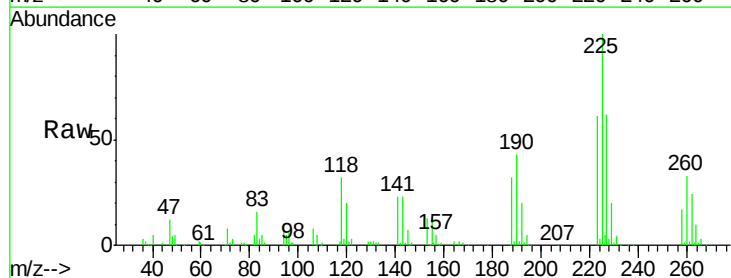
Manual Integrations
 APPROVED

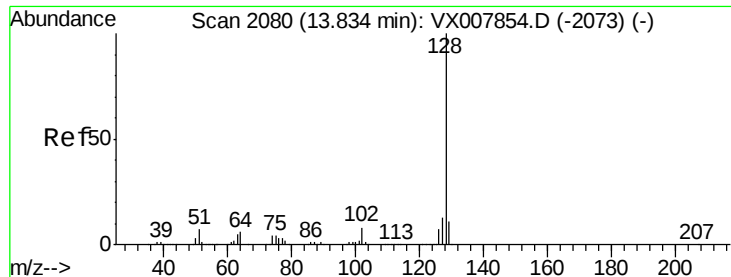
MMDadoda
 3/8/2019 9:40:40 AM



#94
 Hexachlorobutadiene
 Concen: 18.810 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007882.D
 Acq: 07 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.1	93.2
227	62.1	32.0	96.0





#95

Naphthalene

Concen: 19.202 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Instrument :

MSVOA_X

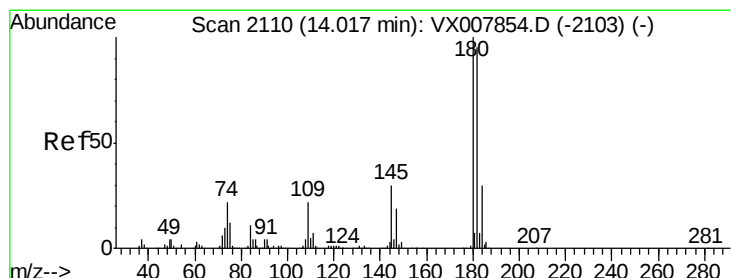
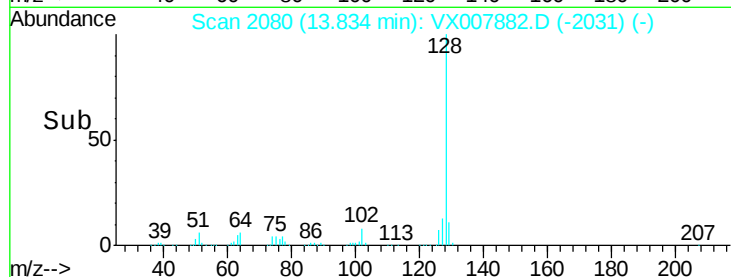
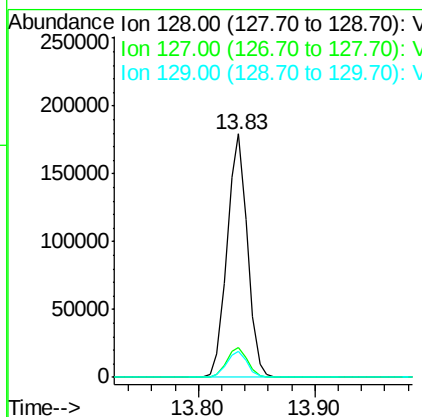
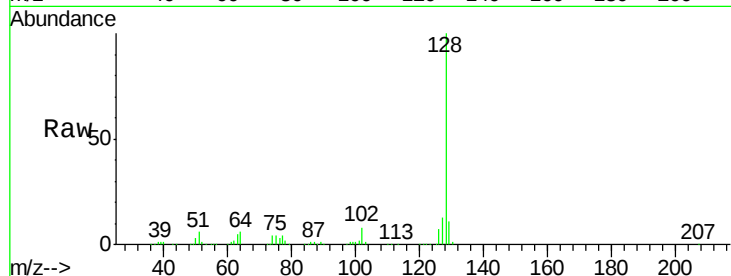
ClientSampleId :

VX0307WBSD01

Tot Ion:	128	Resp:	216604
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.908 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007882.D

Acq: 07 Mar 2019 14:31

Tgt Ion:	180	Resp:	73740
Ion Ratio		Lower	Upper
180	100		
182	94.4	47.5	142.5
145	28.7	14.8	44.3

