

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020519\
 Data File : VX007388.D
 Acq On : 05 Feb 2019 20:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 9:30:03 AM

Quant Time: Feb 06 02:22:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	431991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	634514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	605695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	345368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	222489	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	5.50	113	205632	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	8.71	98	777450	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.14	95	289525	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	260240	49.027	ug/l	96
3) Chloromethane	1.33	50	232530	47.789	ug/l	100
4) Vinyl Chloride	1.41	62	233312	48.877	ug/l	98
5) Bromomethane	1.64	94	189681	40.090	ug/l	99
6) Chloroethane	1.71	64	170050	55.069	ug/l	95
7) Trichlorofluoromethane	1.88	101	306602	41.059	ug/l	98
8) Diethyl Ether	2.20	74	141589	50.377	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.34	101	217372	48.938	ug/l	99
10) Methyl Iodide	2.48	142	295621	45.243	ug/l	99
11) Tert butyl alcohol	3.25	59	248714m	262.103	ug/l	
12) 1,1-Dichloroethene	2.34	96	198918	48.227	ug/l	97
13) Acrolein	2.31	56	105750	237.655	ug/l	99
14) Allyl chloride	2.71	41	273529	40.700	ug/l	89
15) Acrylonitrile	3.17	53	605144	257.790	ug/l	99
16) Acetone	2.49	43	522688	248.855	ug/l	99
17) Carbon Disulfide	2.53	76	441070	41.281	ug/l	100
18) Methyl Acetate	2.80	43	331943	60.530	ug/l	98
19) Methyl tert-butyl Ether	3.23	73	674425	50.471	ug/l	97
20) Methylene Chloride	2.84	84	221913	51.740	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	204613	46.569	ug/l	98
22) Diisopropyl ether	3.89	45	625052	50.562	ug/l	93
23) Vinyl Acetate	3.83	43	2314029	225.575	ug/l	100
24) 1,1-Dichloroethane	3.68	63	347910	49.007	ug/l	100
25) 2-Butanone	4.74	43	734229	245.636	ug/l	99
26) 2,2-Dichloropropane	4.57	77	215754	39.907	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	228161	47.543	ug/l	98
28) Bromochloromethane	5.02	49	151311	46.347	ug/l	100
29) Tetrahydrofuran	5.18	42	494401	262.989	ug/l	99
30) Chloroform	5.21	83	365312	49.313	ug/l	98
31) Cyclohexane	5.56	56	313278	49.133	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	309250	49.456	ug/l	99
36) 1,1-Dichloropropene	5.79	75	264091	46.388	ug/l	99
37) Ethyl Acetate	4.88	43	291728	50.691	ug/l	100
38) Carbon Tetrachloride	5.77	117	265474	48.065	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	327482	47.543	ug/l	98
40) Benzene	6.13	78	819324	48.856	ug/l	100
41) Methacrylonitrile	5.08	41	150608	48.829	ug/l	97
42) 1,2-Dichloroethane	6.20	62	278012	47.913	ug/l	98
43) Isopropyl Acetate	6.48	43	445281	50.127	ug/l	100
44) Trichloroethene	7.21	130	233549	46.240	ug/l	99
45) 1,2-Dichloropropane	7.51	63	205997	49.026	ug/l	97
46) Dibromomethane	7.66	93	141402	46.302	ug/l	98
47) Bromodichloromethane	7.90	83	247198	47.762	ug/l	100
48) Methyl methacrylate	7.78	41	229251	51.596	ug/l	100
49) 1,4-Dioxane	7.79	88	108561	1073.848	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1519303	259.812	ug/l	100
52) Toluene	8.78	92	519192	47.985	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	269471	48.471	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	298493	48.823	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	221554	49.123	ug/l	98
56) Ethyl methacrylate	9.19	69	317596	50.842	ug/l	99
57) 1,3-Dichloropropane	9.37	76	353012	49.217	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	812036	246.630	ug/l	100
59) 2-Hexanone	9.51	43	1192569	262.075	ug/l	100
60) Dibromochloromethane	9.59	129	213554	50.064	ug/l	97
61) 1,2-Dibromoethane	9.67	107	233774	48.944	ug/l	98
64) Tetrachloroethene	9.34	164	229817	40.256	ug/l	98
65) Chlorobenzene	10.14	112	595886	45.083	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	217027	48.975	ug/l	100
67) Ethyl Benzene	10.25	91	993104	46.657	ug/l	98
68) m/p-Xylenes	10.36	106	794442	93.894	ug/l	99
69) o-Xylene	10.70	106	392806	48.246	ug/l	99
70) Styrene	10.71	104	637285	48.265	ug/l	100
71) Bromoform	10.87	173	165912	43.277	ug/l	99
73) Isopropylbenzene	11.02	105	1030381	43.903	ug/l	98
74) N-amyl acetate	10.90	43	443458	48.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	359612	50.277	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	295205m	43.943	ug/l	
77) Bromobenzene	11.26	156	289731	43.814	ug/l	99
78) n-propylbenzene	11.36	91	1151463	44.742	ug/l	100
79) 2-Chlorotoluene	11.42	91	693673	44.421	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	869411	45.279	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	87780	41.201	ug/l	97
82) 4-Chlorotoluene	11.51	91	813779	45.036	ug/l	100
83) tert-Butylbenzene	11.77	119	890792	46.859	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	901611	46.252	ug/l	99
85) sec-Butylbenzene	11.94	105	1046527	45.485	ug/l	100
86) p-Isopropyltoluene	12.07	119	939215	45.221	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	520006	43.817	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	526953	43.766	ug/l	99
89) n-Butylbenzene	12.39	91	768817	43.030	ug/l	99
90) Hexachloroethane	12.60	117	145212	46.716	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	544388	46.094	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	72323	48.629	ug/l	96

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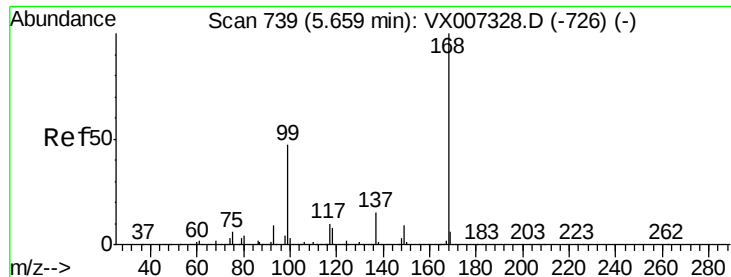
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	365664	45.910	ug/l	99
94) Hexachlorobutadiene	13.78	225	170670	44.129	ug/l	99
95) Naphthalene	13.83	128	1169274	50.201	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	380770	47.493	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 431991

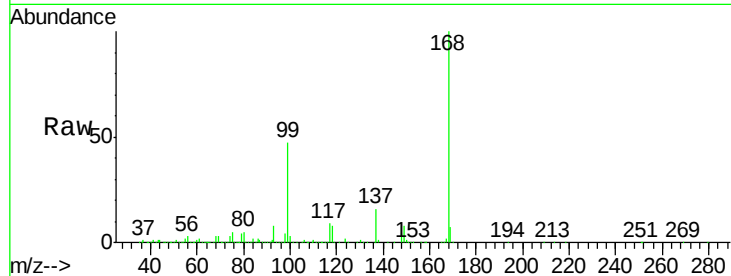
Ion Ratio Lower Upper

168 100

99 47.1 37.9 56.9

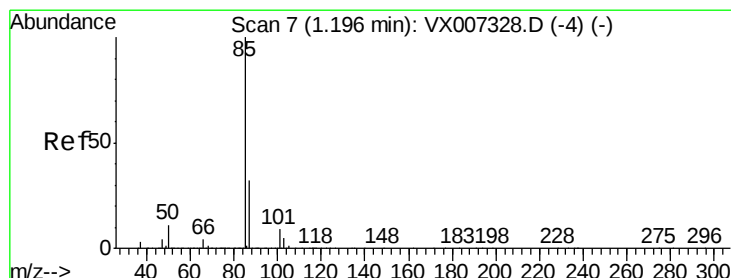
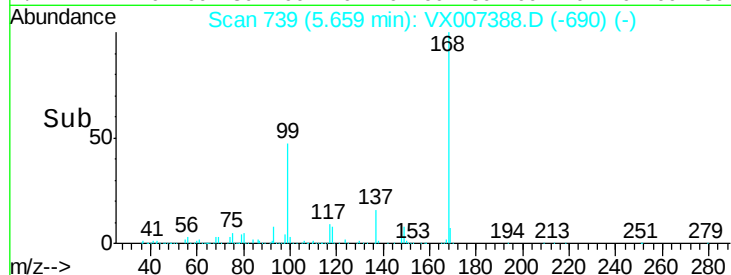
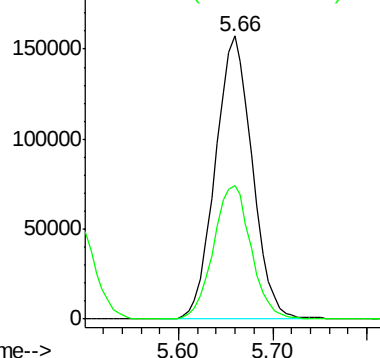
Manual Integrations
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2/6/2019 9:30:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.027 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007388.D

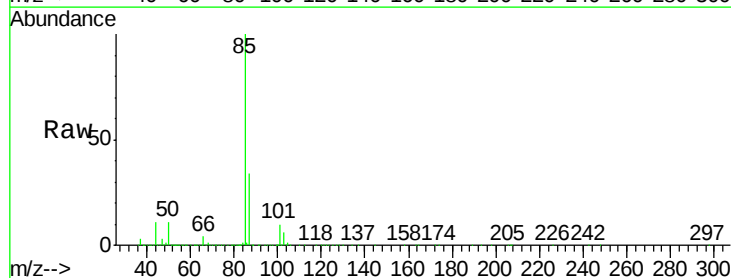
Acq: 05 Feb 2019 20:18

Tgt Ion: 85 Resp: 260240

Ion Ratio Lower Upper

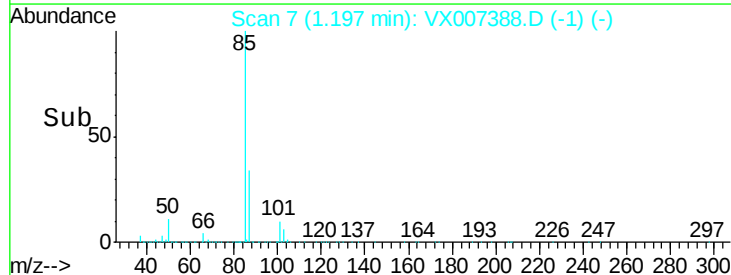
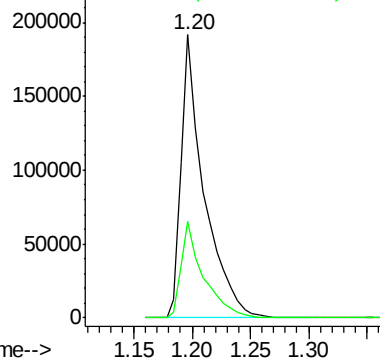
85 100

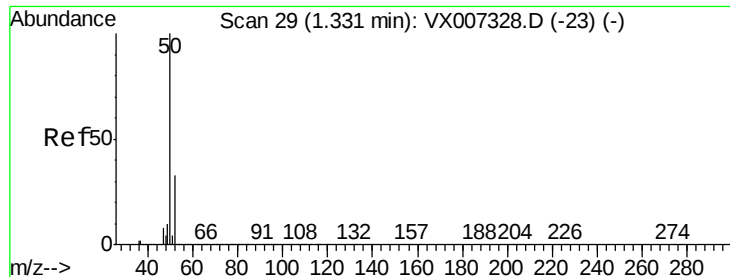
87 34.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.789 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 232530

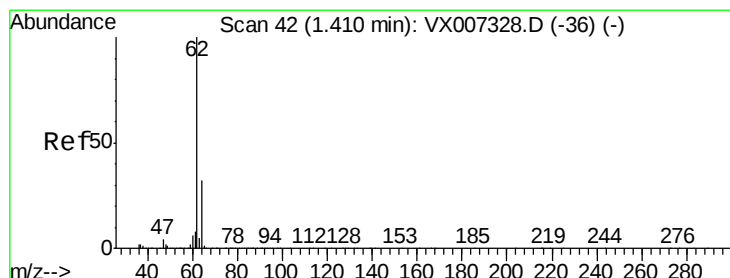
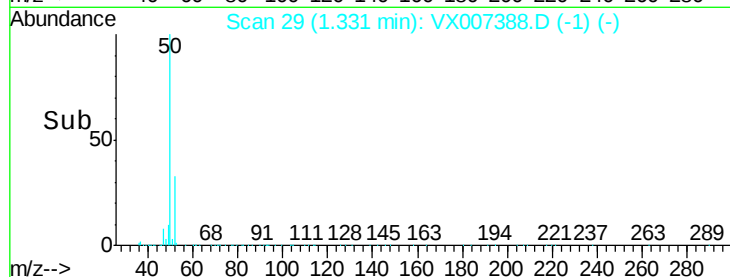
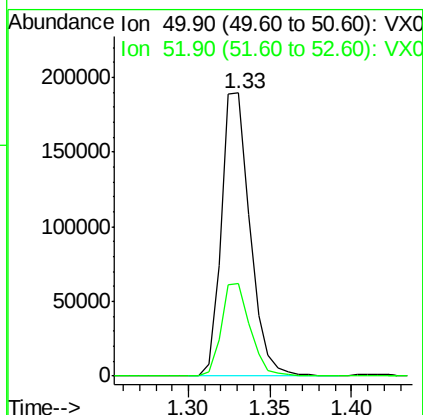
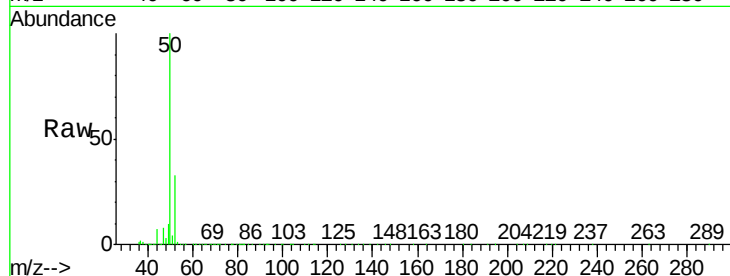
Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.877 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007388.D

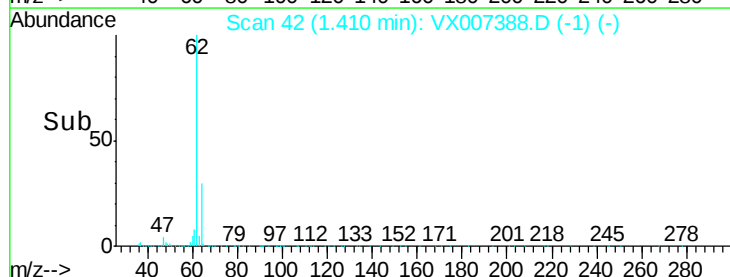
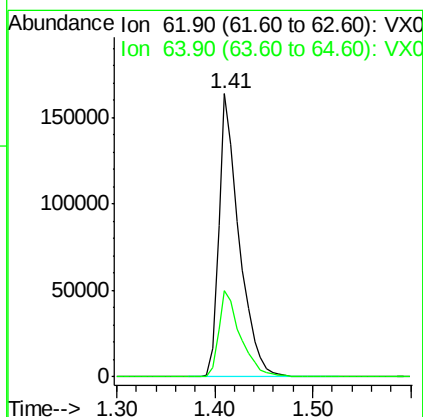
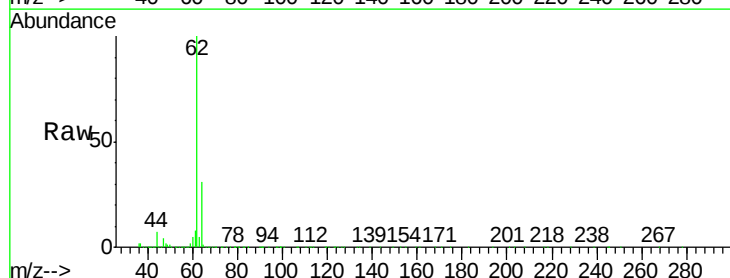
Acq: 05 Feb 2019 20:18

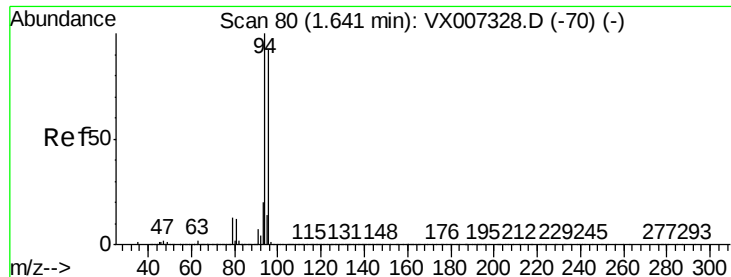
Tgt Ion: 62 Resp: 233312

Ion Ratio Lower Upper

62 100

64 30.4 25.4 38.0





#5

Bromomethane

Concen: 40.090 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 189681

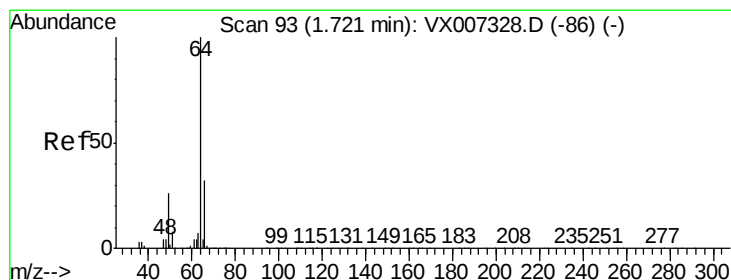
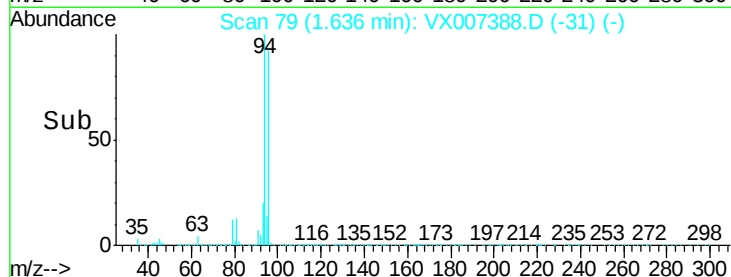
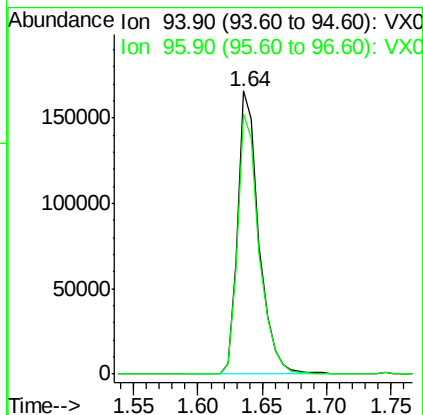
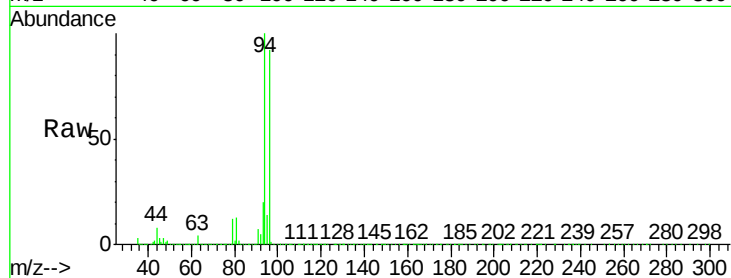
Ion Ratio Lower Upper

94 100

96 91.9 73.9 110.9

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2/6/2019 9:30:03 AM



#6

Chloroethane

Concen: 55.069 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007388.D

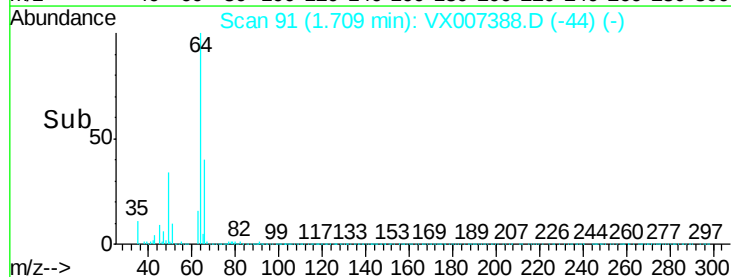
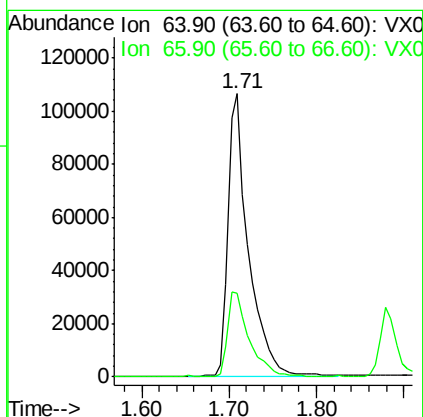
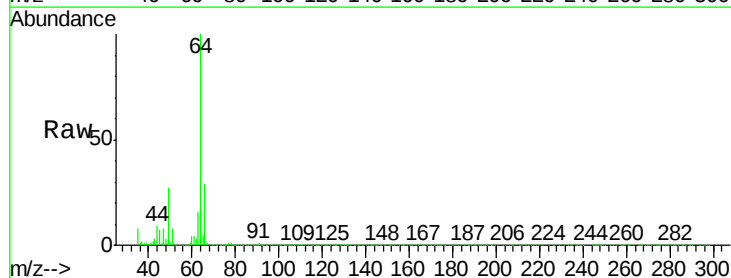
Acq: 05 Feb 2019 20:18

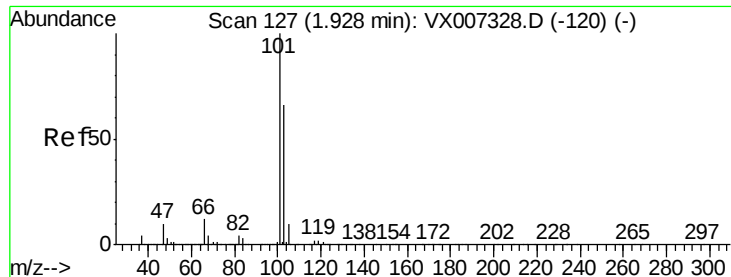
Tgt Ion: 64 Resp: 170050

Ion Ratio Lower Upper

64 100

66 29.1 25.5 38.3





#7

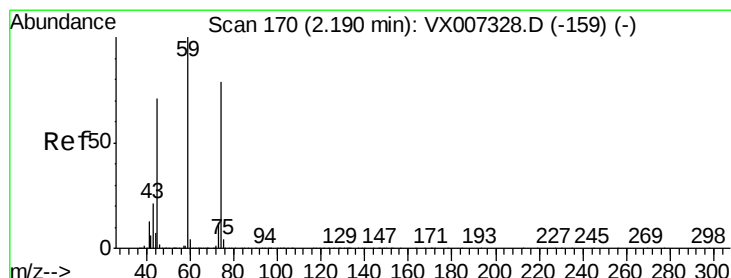
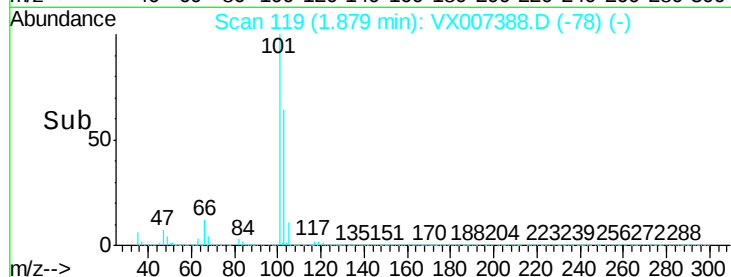
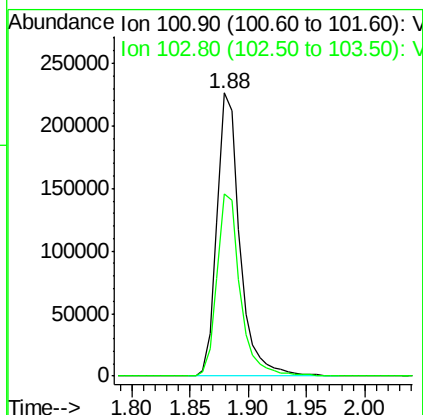
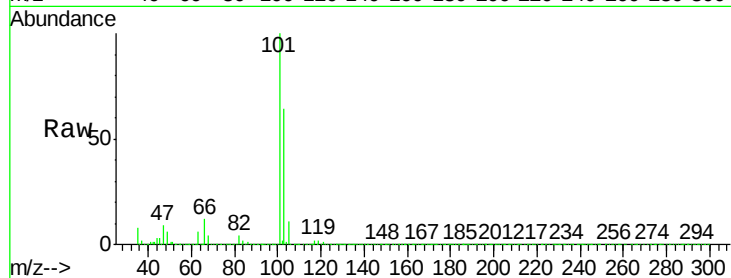
Trichlorofluoromethane
Concen: 41.059 ug/l
RT: 1.88 min Scan# 119
Delta R.T. -0.05 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.6	79.0

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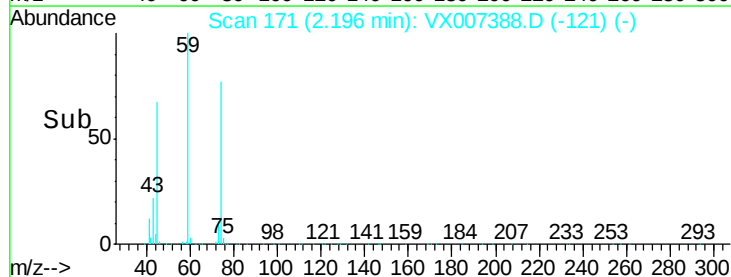
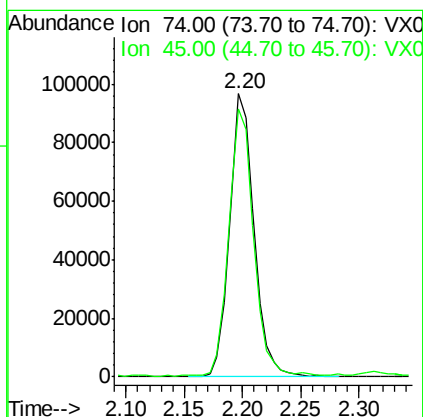
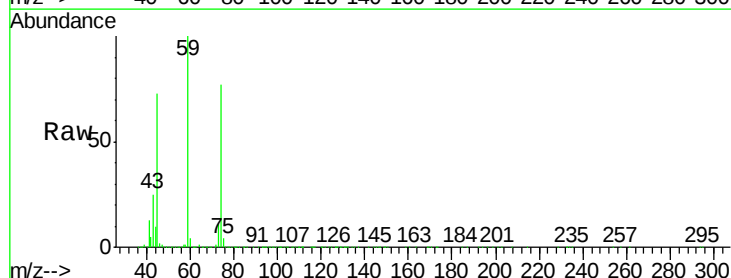
MMDadoda
2/6/2019 9:30:03 AM

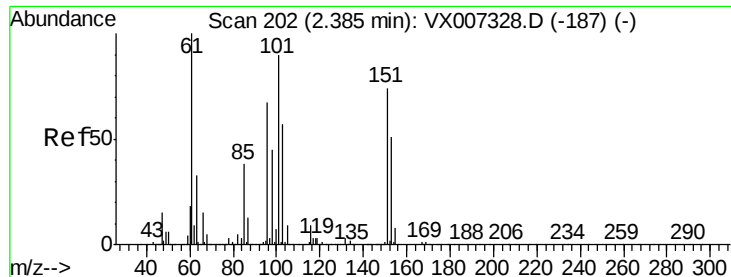


#8

Diethyl Ether
Concen: 50.377 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.938 ug/l

RT: 2.34 min Scan# 195

Delta R.T. -0.04 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

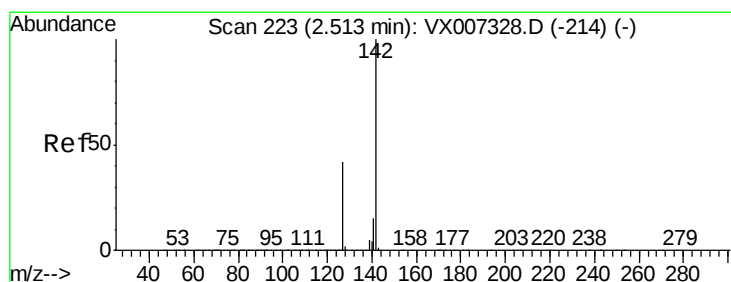
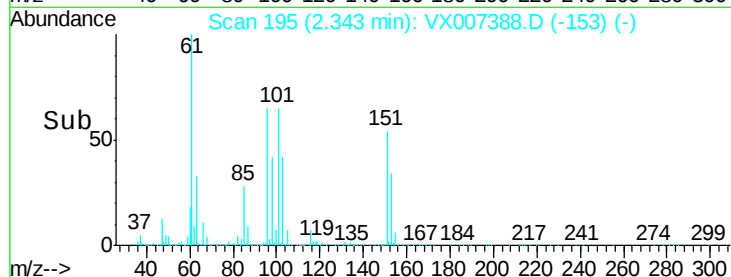
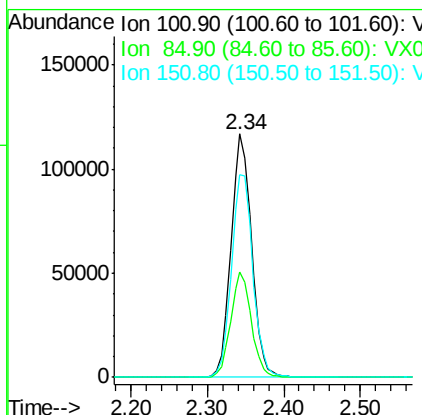
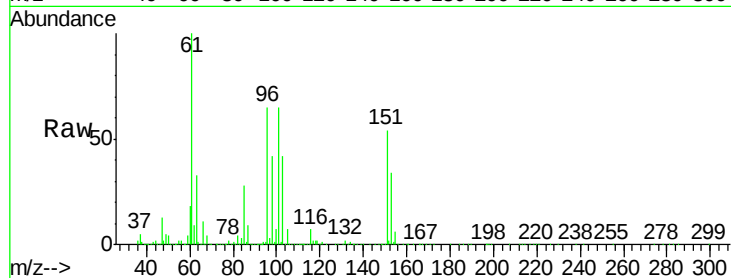
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	217372
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.1	51.1
151	86.8	69.9	104.9

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#10

Methyl Iodide

Concen: 45.243 ug/l

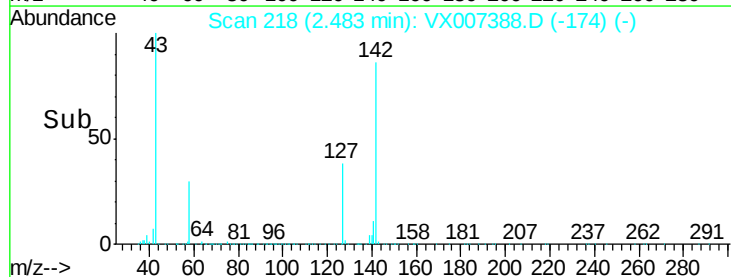
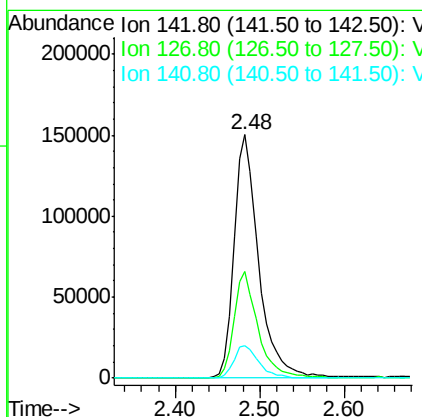
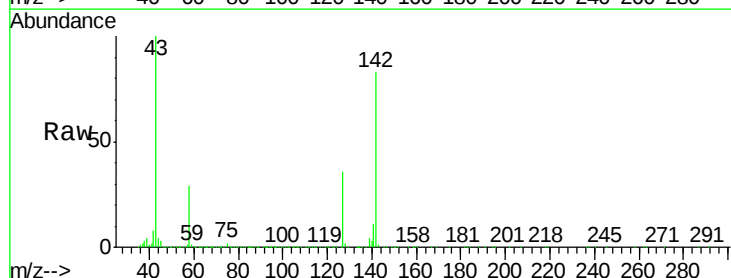
RT: 2.48 min Scan# 218

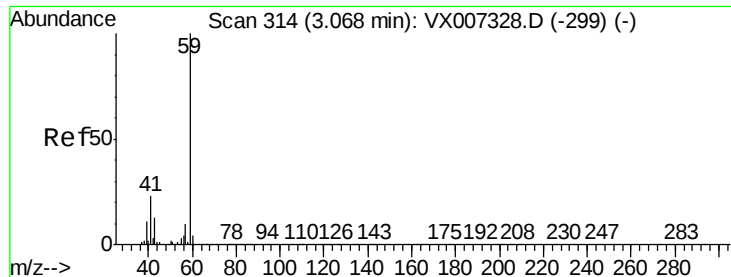
Delta R.T. -0.03 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Tgt Ion:	142	Resp:	295621
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.7	50.5
141	13.9	11.3	16.9





#11

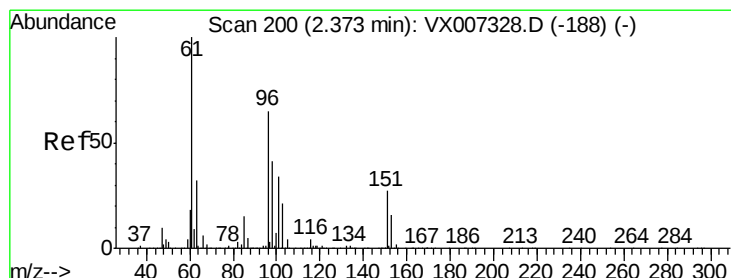
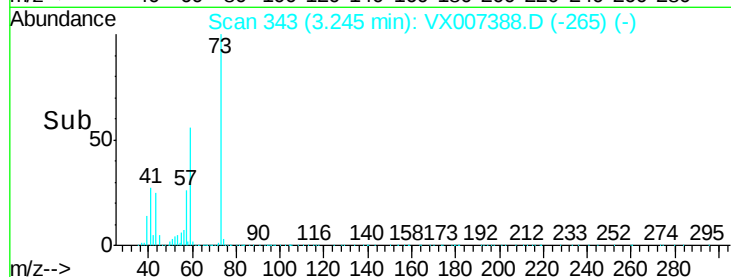
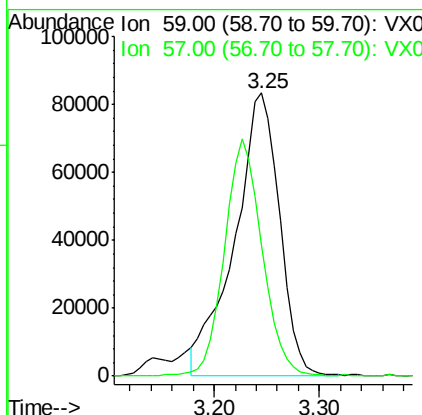
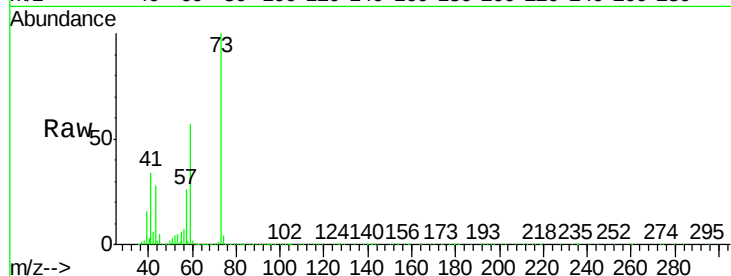
Tert butyl alcohol
Concen: 262.103 ug/l m
RT: 3.25 min Scan# 343
Delta R.T. 0.18 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 248714
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

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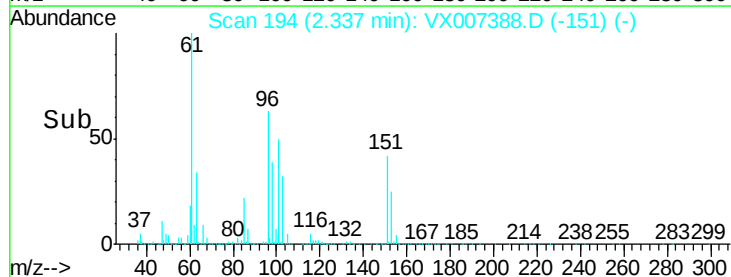
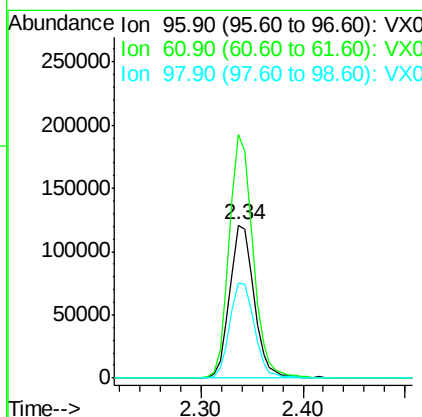
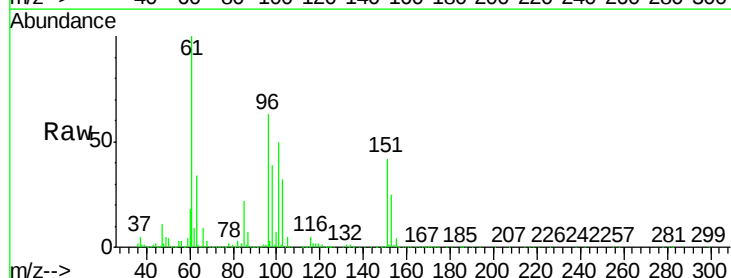
MMDadoda
2/6/2019 9:30:03 AM

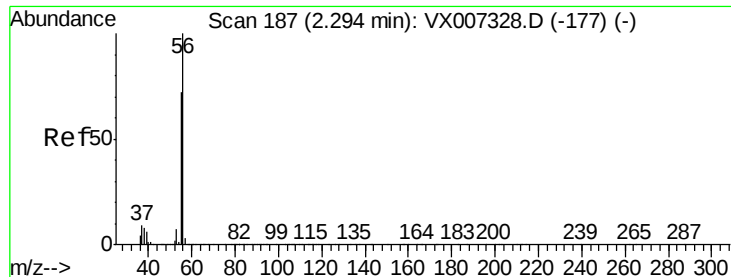


#12

1,1-Dichloroethene
Concen: 48.227 ug/l
RT: 2.34 min Scan# 194
Delta R.T. -0.04 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion: 96 Resp: 198918
Ion Ratio Lower Upper
96 100
61 158.9 123.0 184.4
98 62.3 50.9 76.3





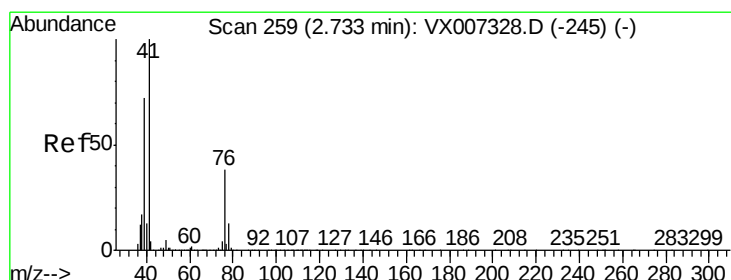
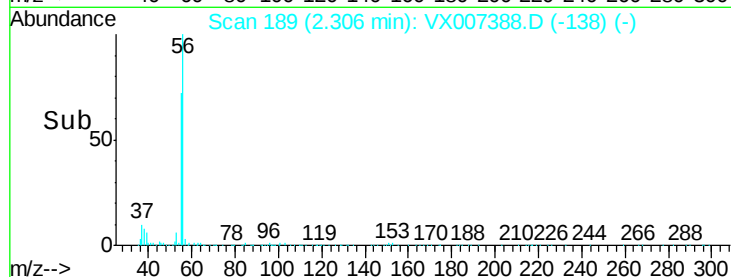
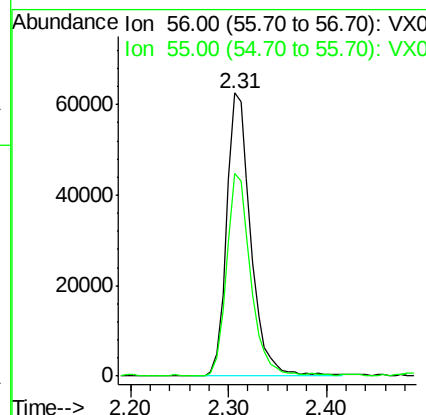
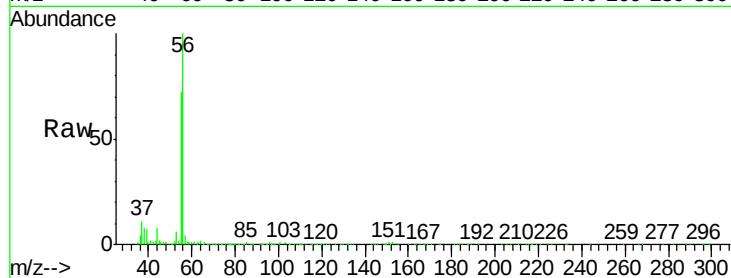
#13
Acrolein
Concen: 237.655 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.9	85.3

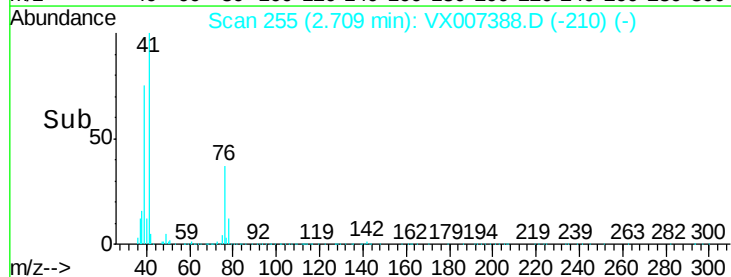
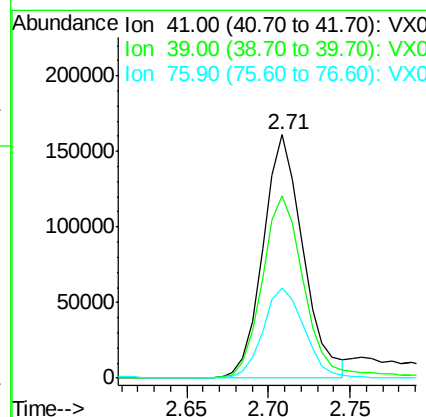
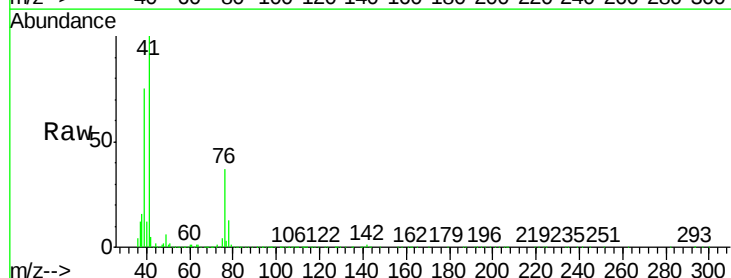
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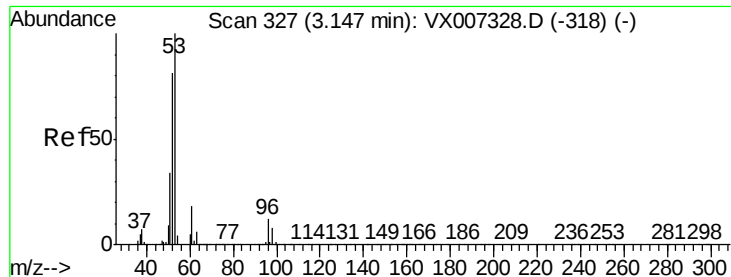
MMDadoda
2/6/2019 9:30:03 AM



#14
Allyl chloride
Concen: 40.700 ug/l
RT: 2.71 min Scan# 255
Delta R.T. -0.02 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.3	54.1	81.1
76	37.9	27.8	41.8





#15

Acrylonitrile

Concen: 257.790 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

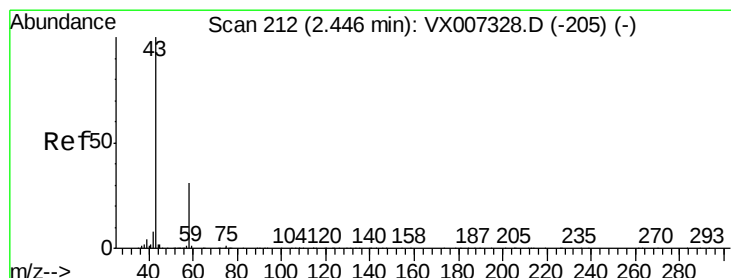
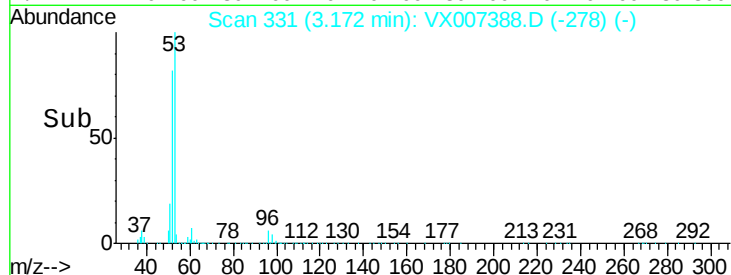
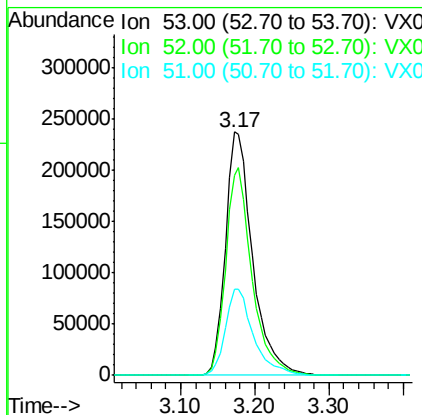
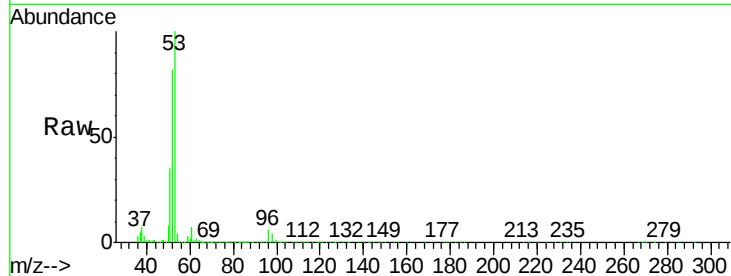
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	605144
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.3	28.4	42.6

Manual Integrations
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MMDadoda
2/6/2019 9:30:03 AM



#16

Acetone

Concen: 248.855 ug/l

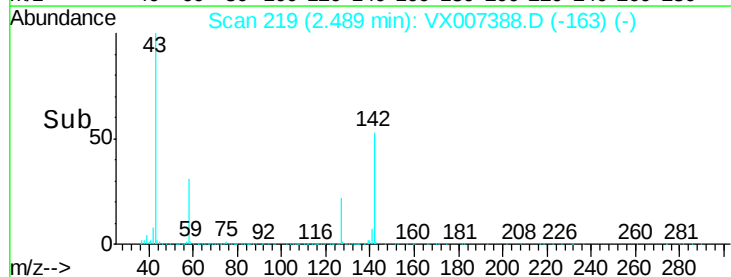
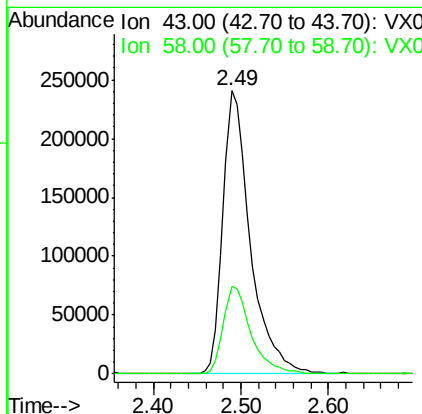
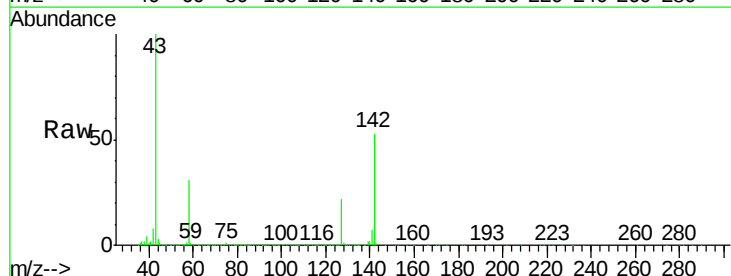
RT: 2.49 min Scan# 219

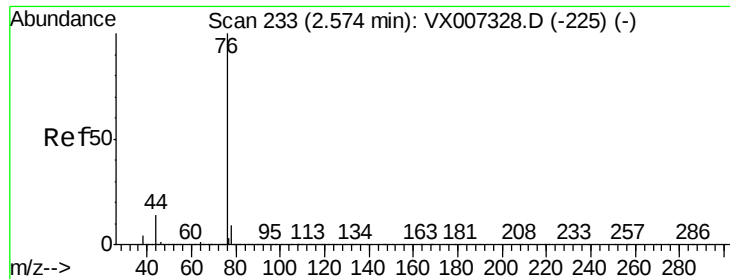
Delta R.T. 0.04 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Tgt Ion:	43	Resp:	522688
Ion Ratio		Lower	Upper
43	100		
58	30.8	24.9	37.3





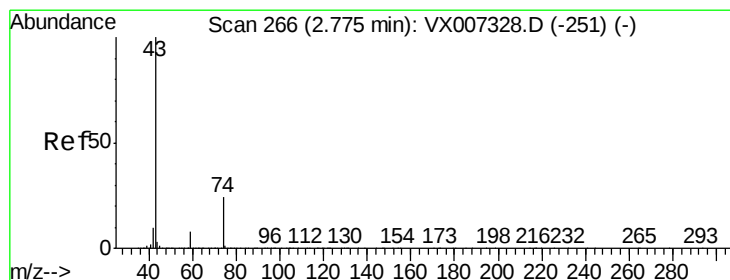
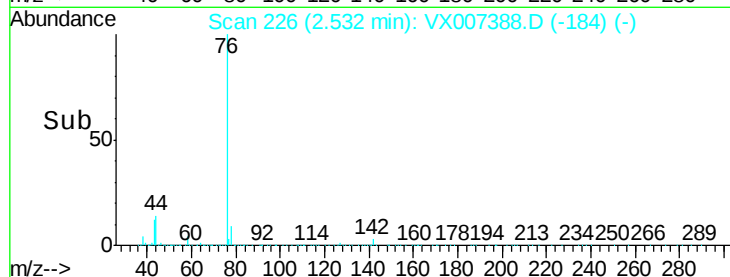
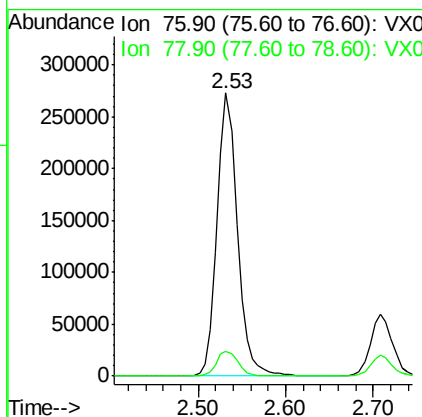
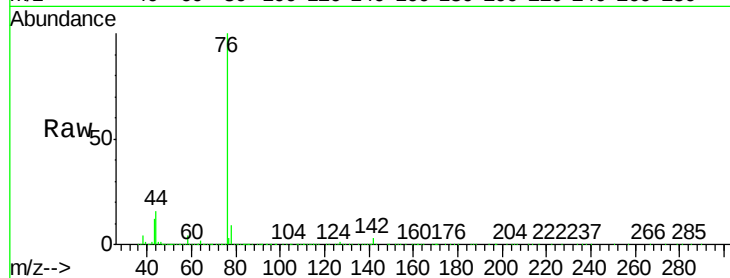
#17
Carbon Disulfide
Concen: 41.281 ug/l
RT: 2.53 min Scan# 226
Delta R.T. -0.04 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

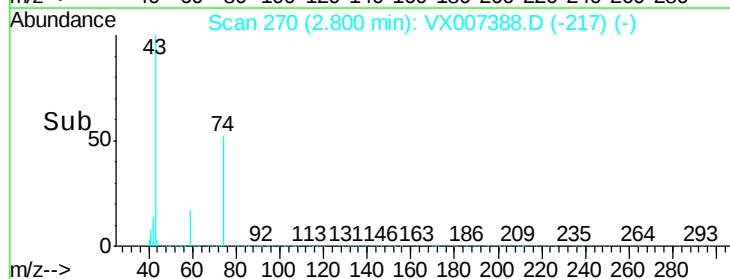
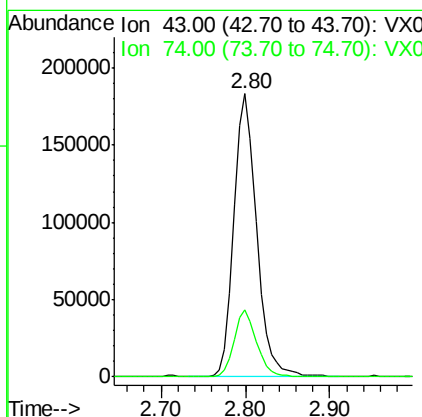
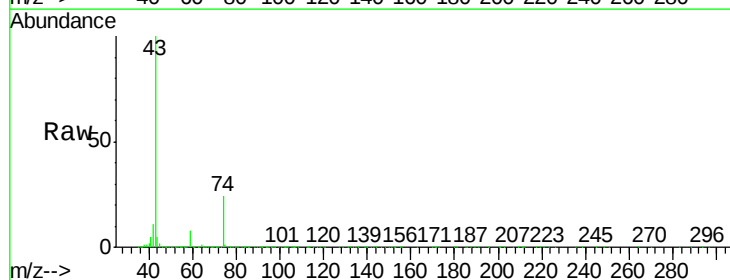
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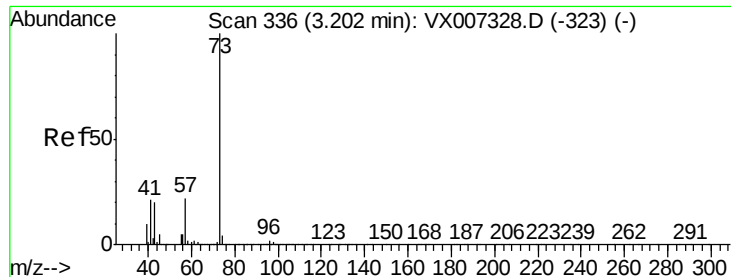
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#18
Methyl Acetate
Concen: 60.530 ug/l
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.4	29.2





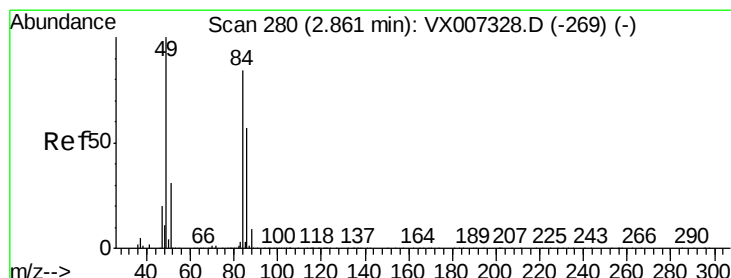
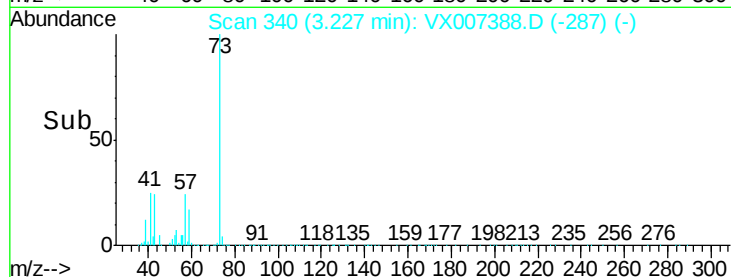
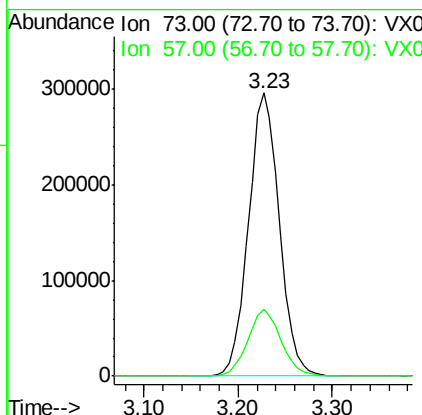
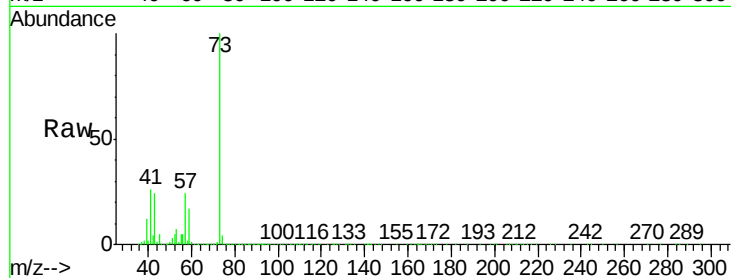
#19
Methvl tert-butvl Ether
Concen: 50.471 ug/l
RT: 3.23 min Scan# 340
Delta R.T. 0.02 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.8	26.8

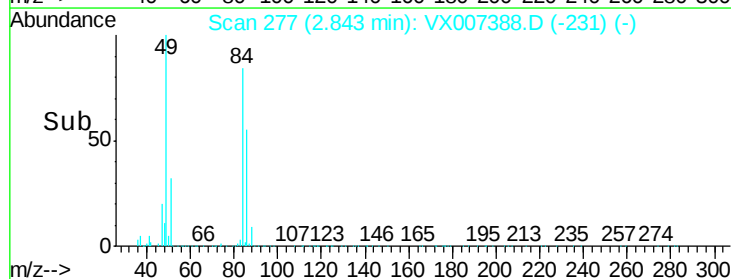
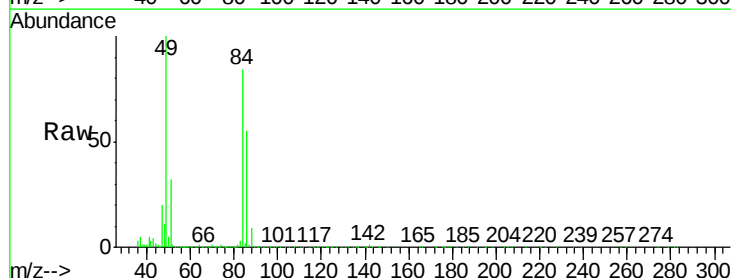
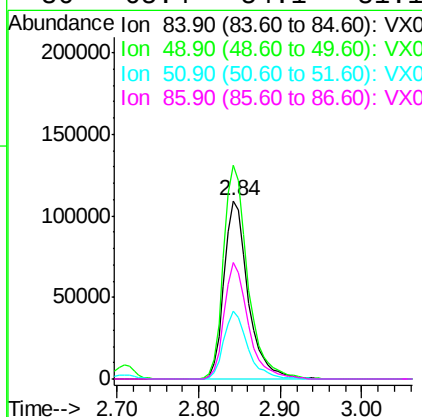
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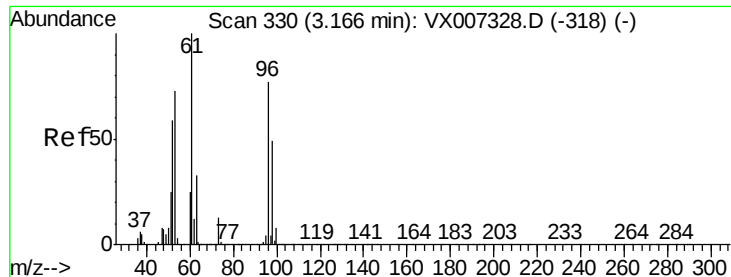
MMDadoda
2/6/2019 9:30:03 AM



#20
Methylene Chloride
Concen: 51.740 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.7	94.8	142.2
51	38.1	29.8	44.8
86	65.4	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 46.569 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.02 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

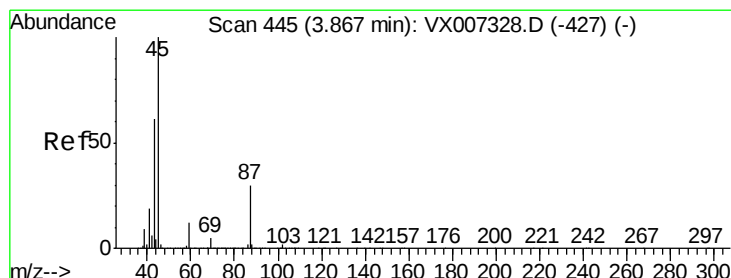
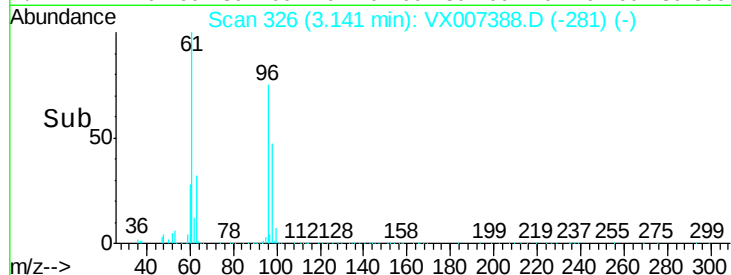
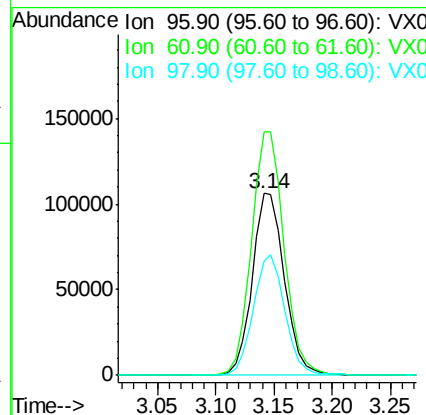
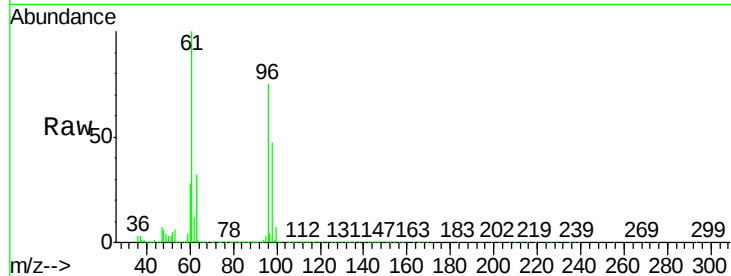
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	204613
Ion Ratio	Lower	Upper	
96	100		
61	133.6	104.6	156.8
98	63.0	51.0	76.4

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#22

Diisopropyl ether

Concen: 50.562 ug/l

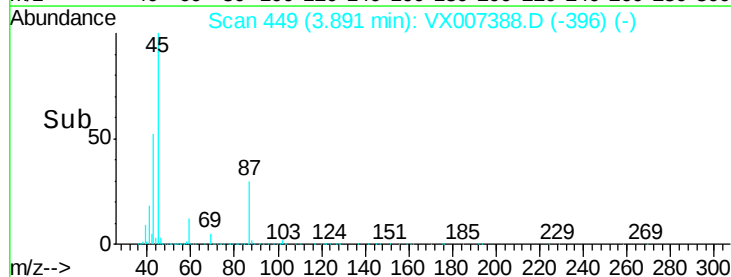
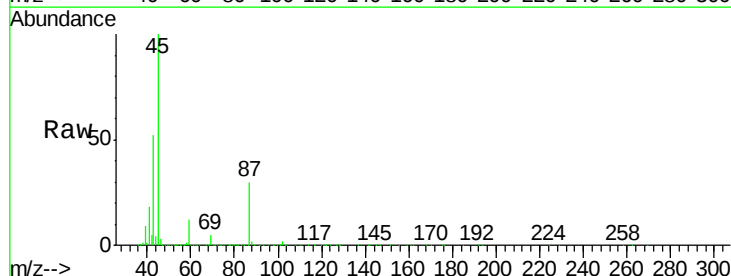
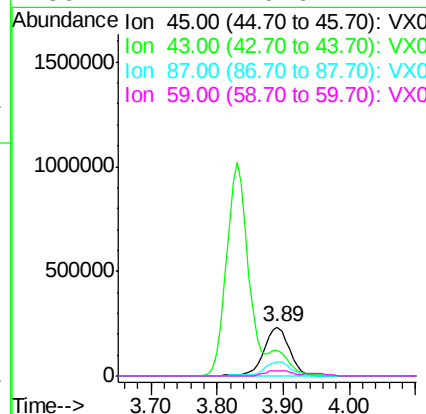
RT: 3.89 min Scan# 449

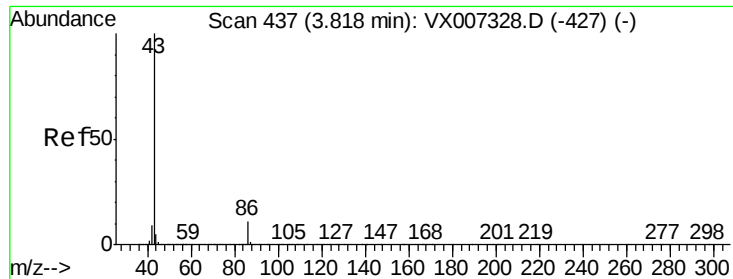
Delta R.T. 0.02 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Tgt Ion:	45	Resp:	625052
Ion Ratio	Lower	Upper	
45	100		
43	52.4	48.9	73.3
87	29.6	23.9	35.9
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 225.575 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2314029

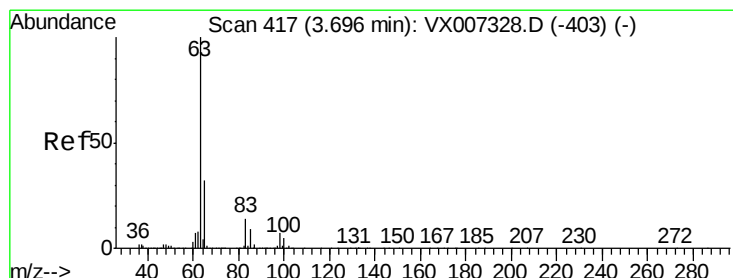
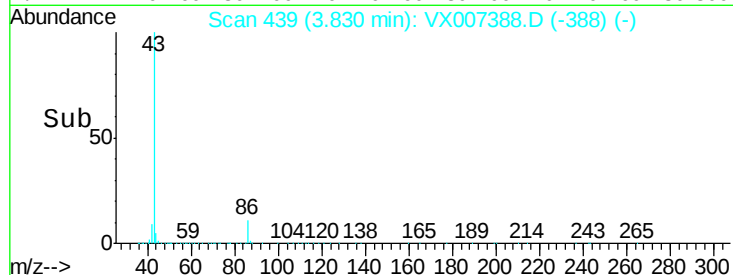
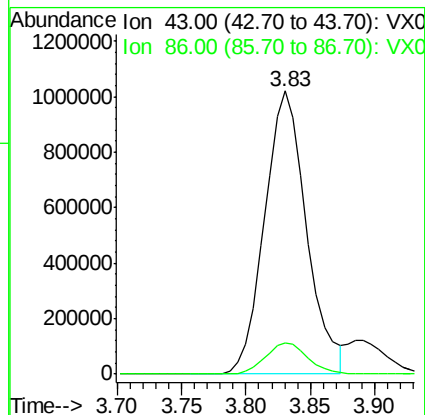
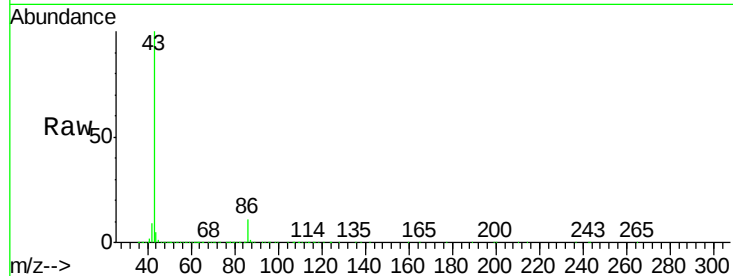
Ion Ratio Lower Upper

43 100

86 11.1 8.7 13.1

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2/6/2019 9:30:03 AM



#24

1,1-Dichloroethane

Concen: 49.007 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

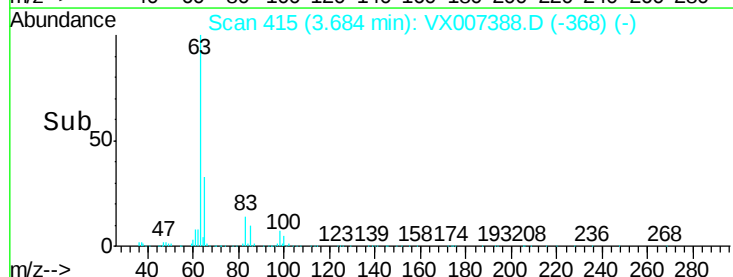
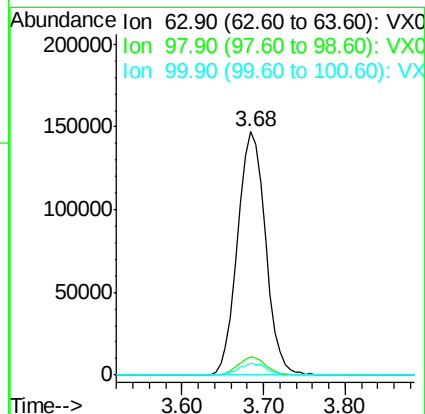
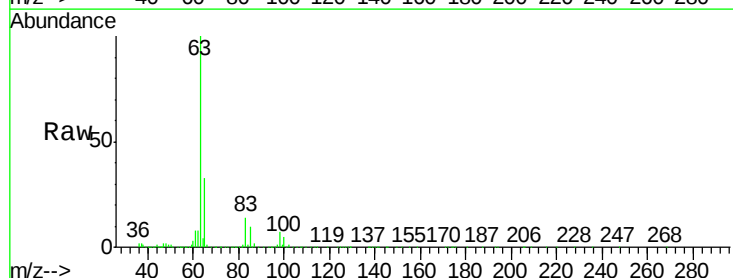
Tgt Ion: 63 Resp: 347910

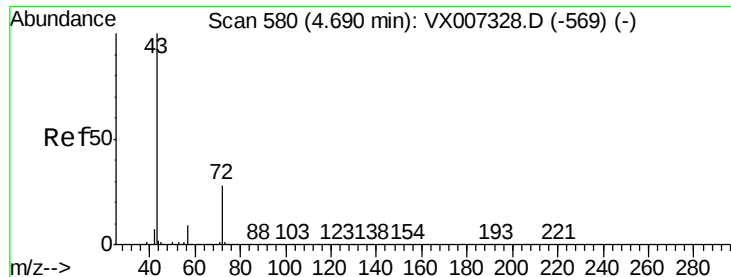
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 245.636 ug/l

RT: 4.74 min Scan# 588

Delta R.T. 0.05 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 734229

Ion Ratio Lower Upper

43 100

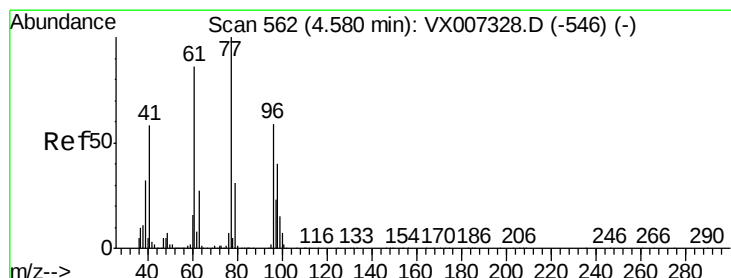
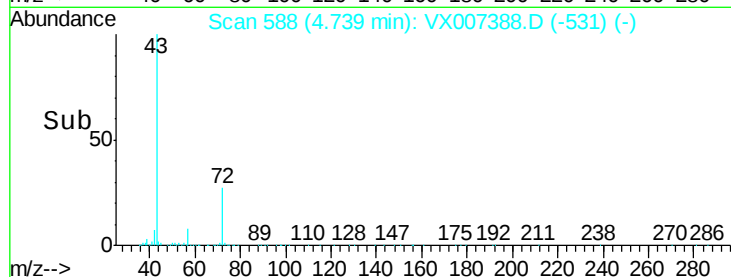
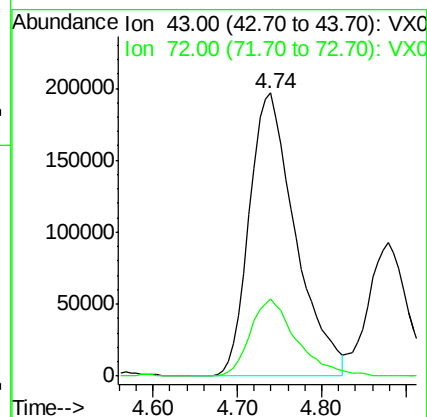
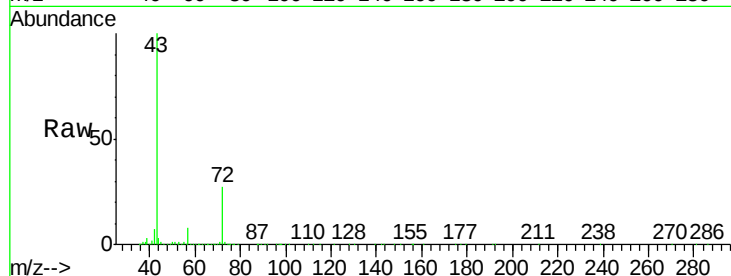
72 27.2 22.2 33.2

Manual Integrations

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2/6/2019 9:30:03 AM



#26

2,2-Dichloropropane

Concen: 39.907 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX007388.D

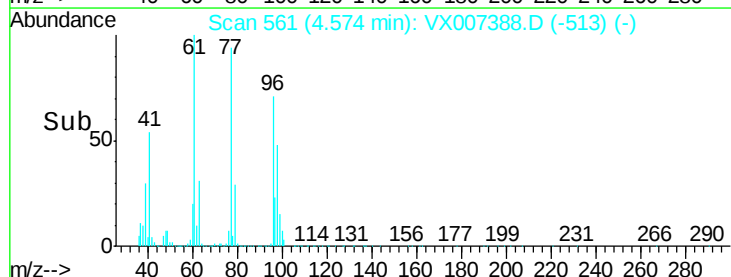
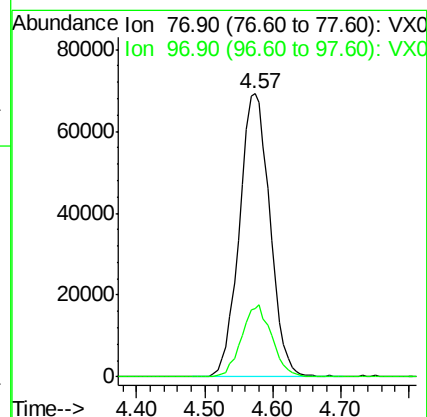
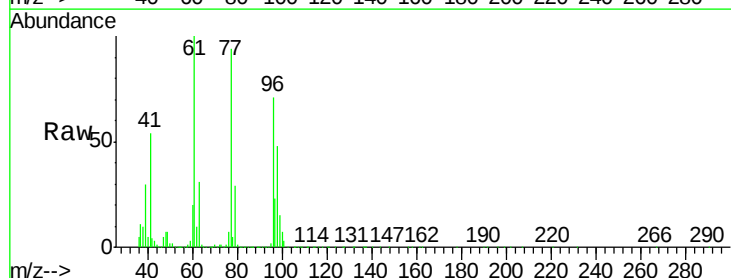
Acq: 05 Feb 2019 20:18

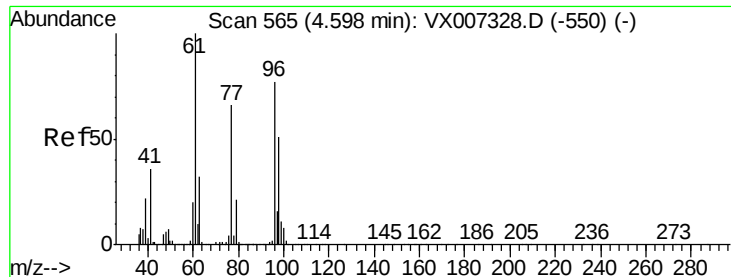
Tgt Ion: 77 Resp: 215754

Ion Ratio Lower Upper

77 100

97 25.4 12.1 36.3





#27

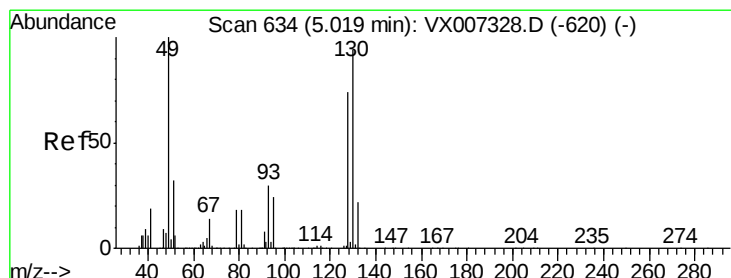
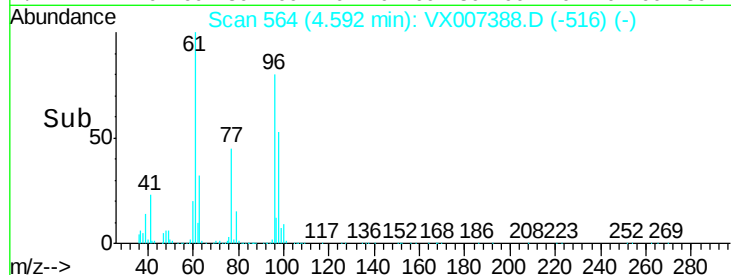
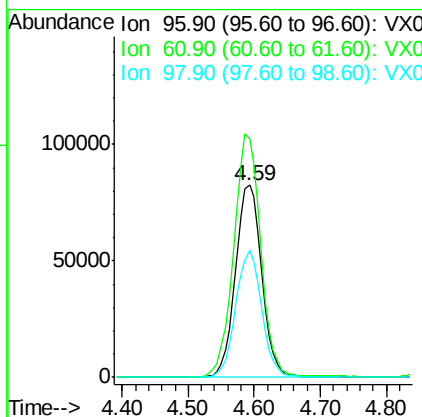
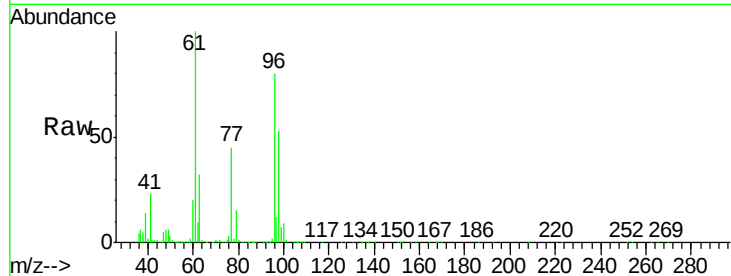
cis-1,2-Dichloroethene
Concen: 47.543 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	228161		
61	128.9		0.0	265.6
98	65.3		0.0	131.6

Manual Integrations
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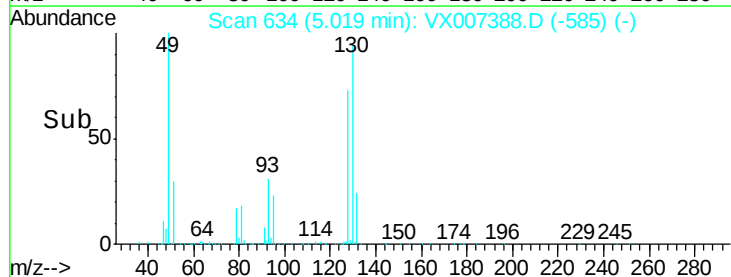
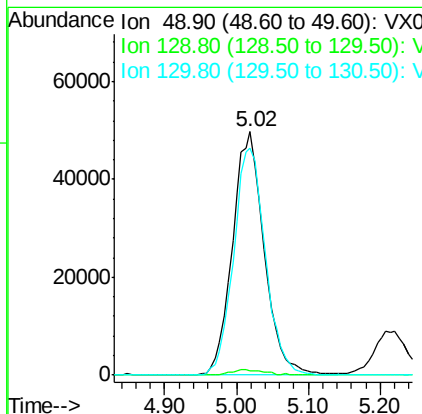
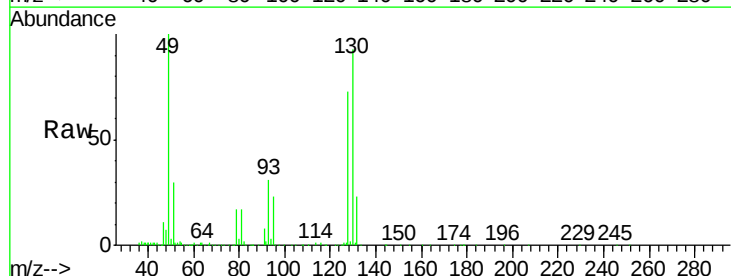
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2/6/2019 9:30:03 AM

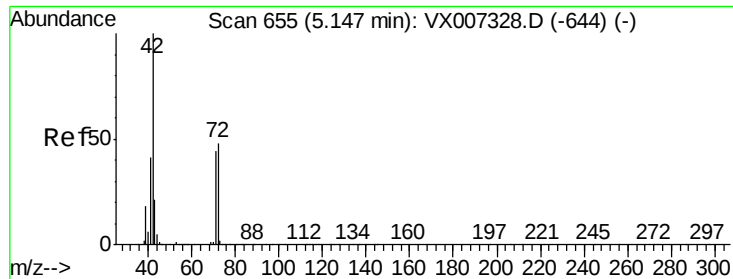


#28

Bromochloromethane
Concen: 46.347 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	151311		
129	2.6		0.0	5.6
130	94.1		75.6	113.4





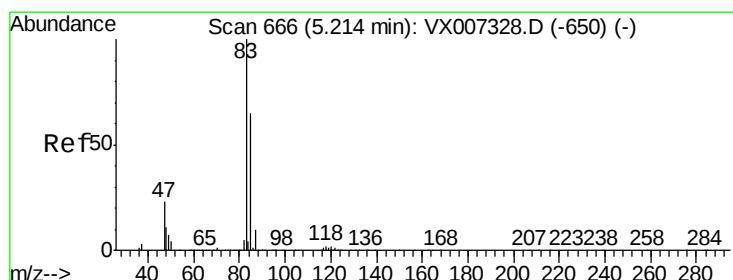
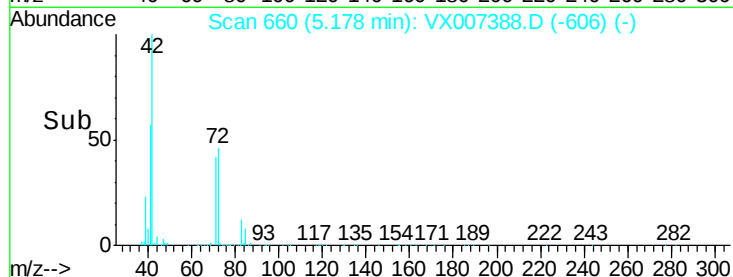
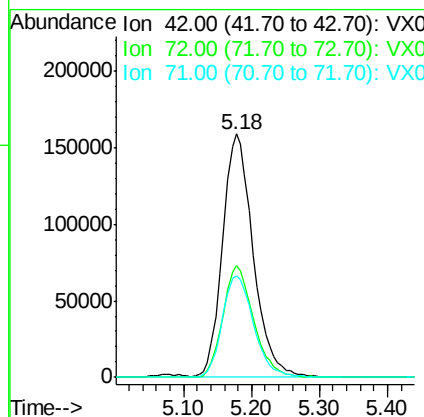
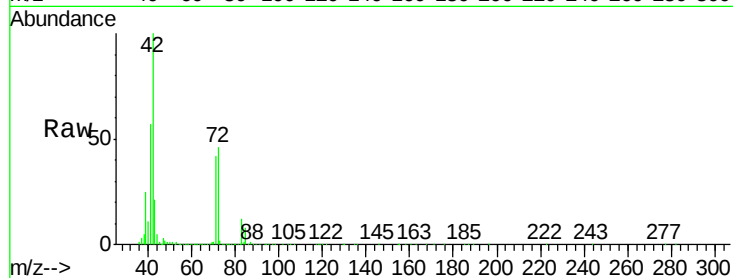
#29
Tetrahydrofuran
Concen: 262.989 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.03 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.6	56.4
71	43.1	34.6	51.8

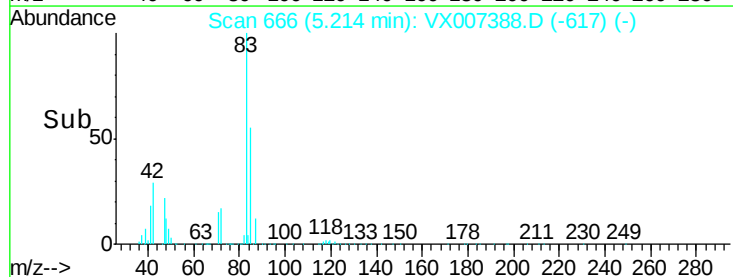
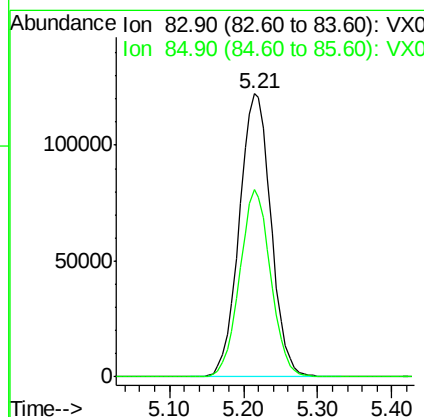
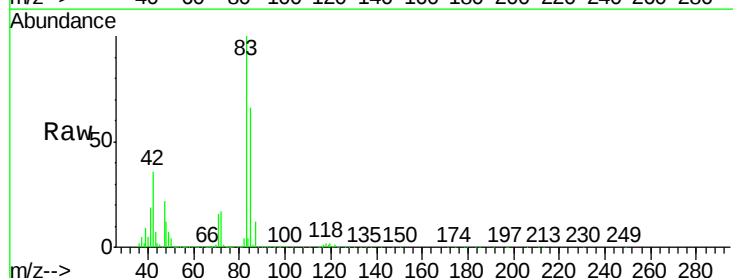
Manual Integrations
APPROVED

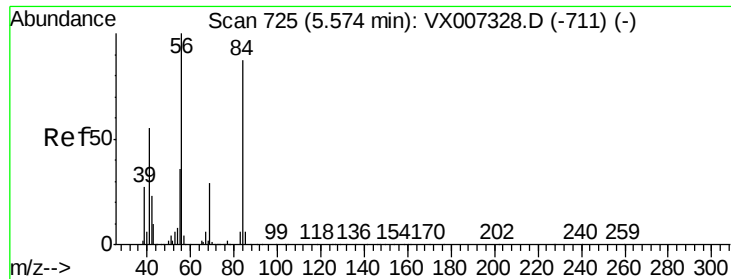
MMDadoda
2/6/2019 9:30:03 AM



#30
Chloroform
Concen: 49.313 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4





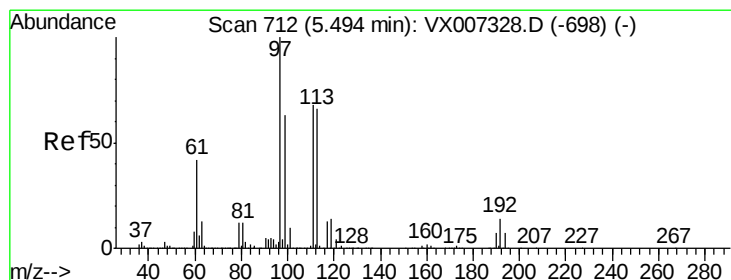
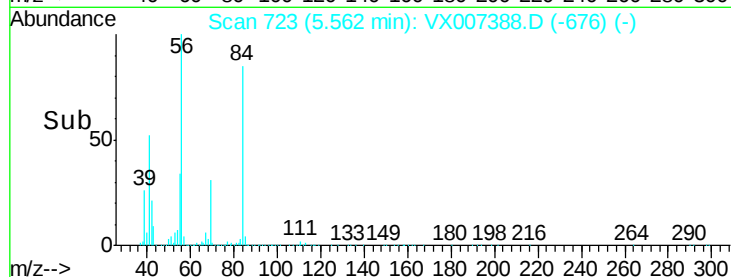
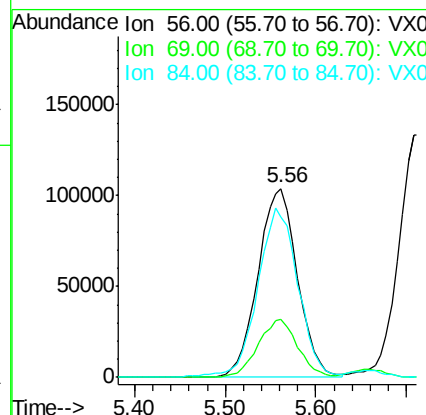
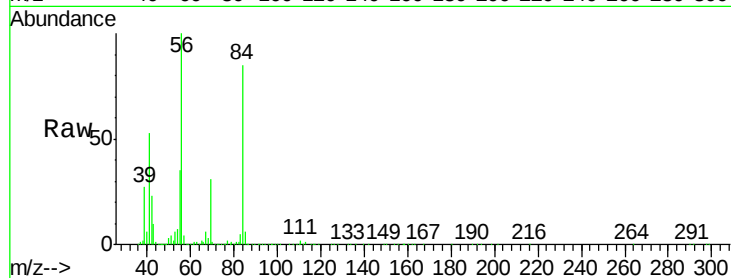
#31
Cvclohexane
Concen: 49.133 ug/l
RT: 5.56 min Scan# 723
Delta R.T. -0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.0	34.6
84	83.7	69.8	104.6

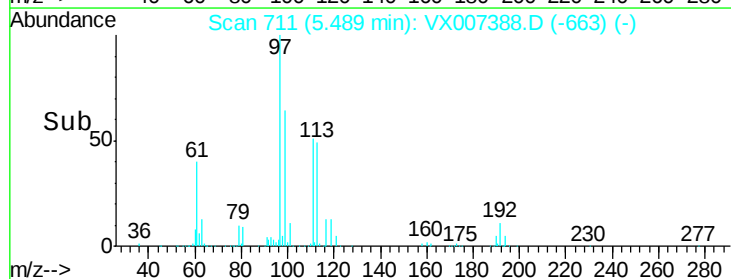
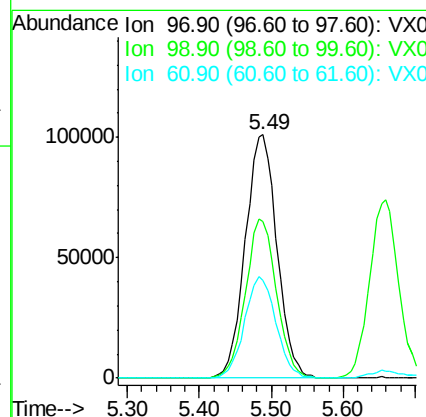
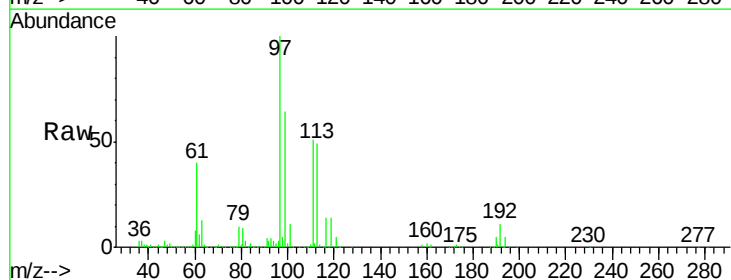
Manual Integrations
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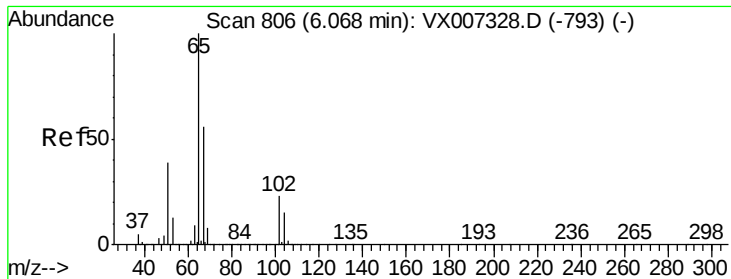
MMDadoda
2/6/2019 9:30:03 AM



#32
1,1,1-Trichloroethane
Concen: 49.456 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.2	78.2
61	41.1	32.7	49.1





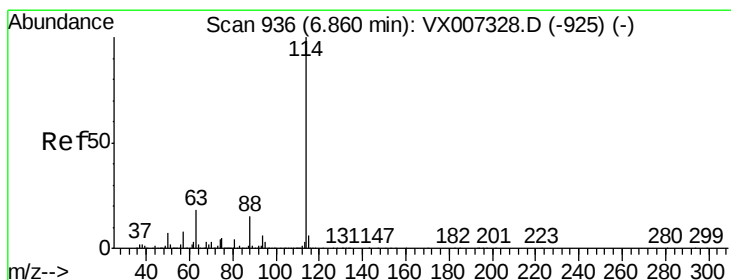
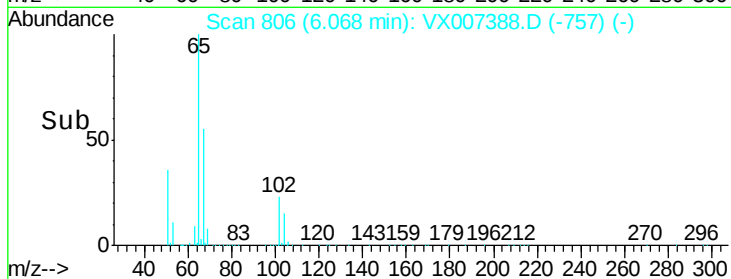
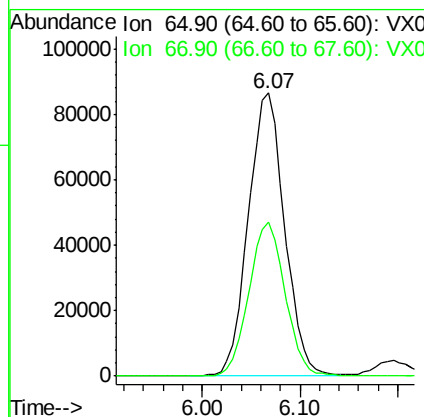
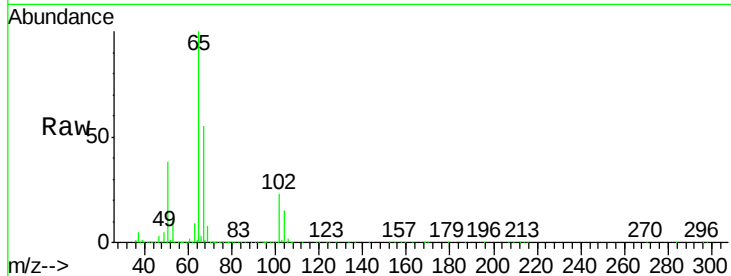
#33
 1,2-Dichloroethane-d4
 Concen: 48.523 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222489		
67	54.5	0.0	108.8	

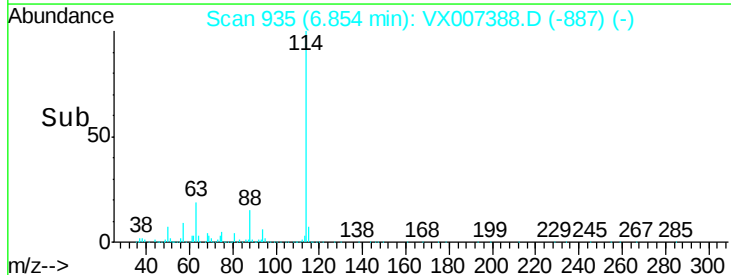
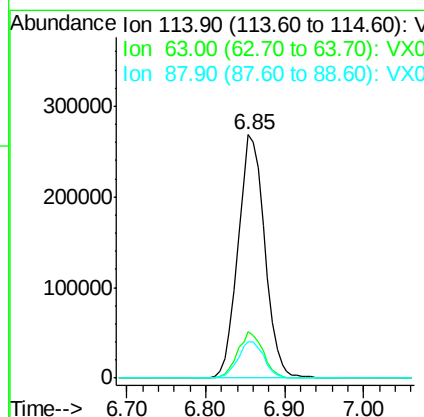
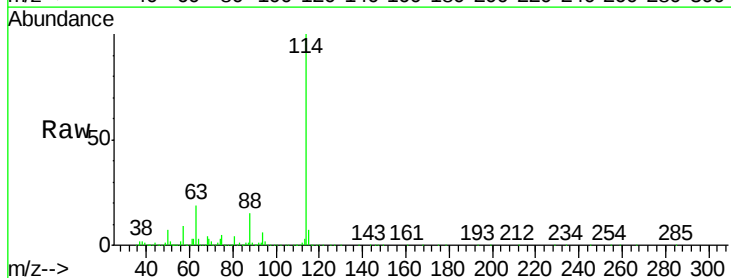
Manual Integrations
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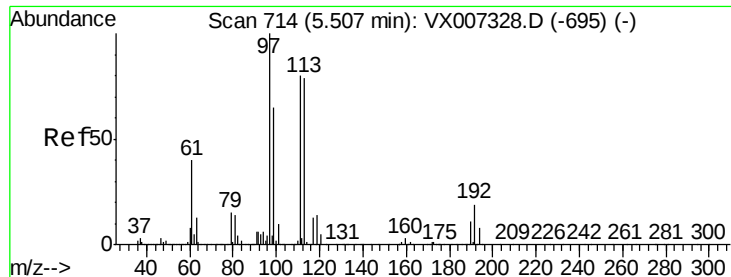
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 2/6/2019 9:30:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	634514		
63	19.1	0.0	35.6	
88	14.7	0.0	29.6	





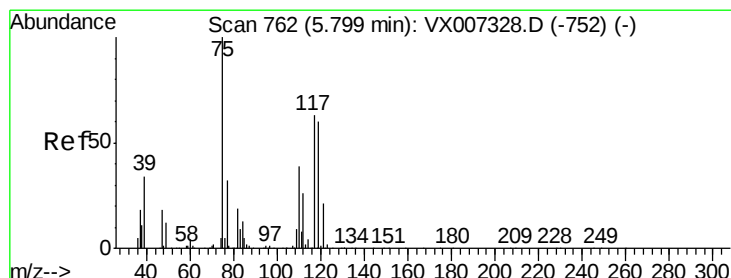
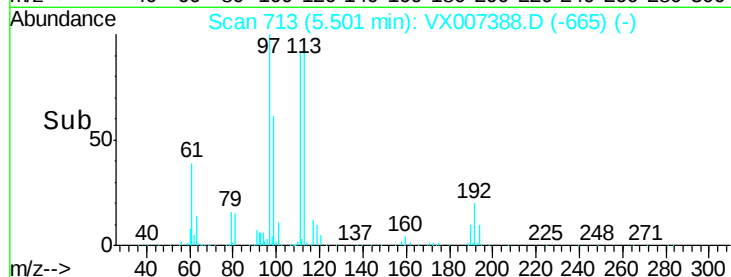
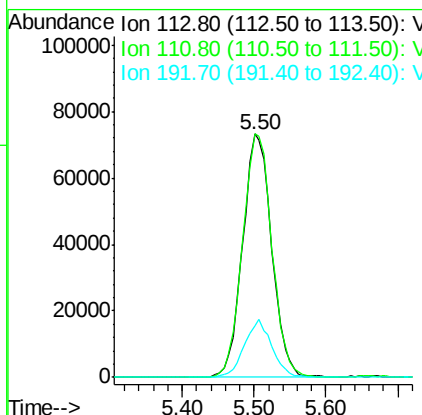
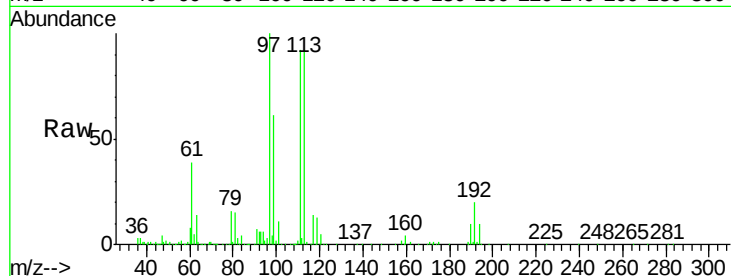
#35
 Dibromofluoromethane
 Concen: 49.807 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205632		
111	101.0		81.8	122.8
192	22.4		18.5	27.7

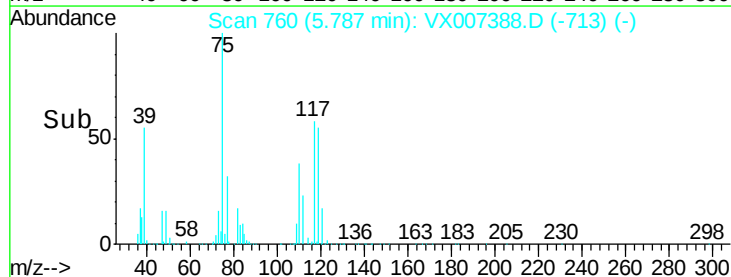
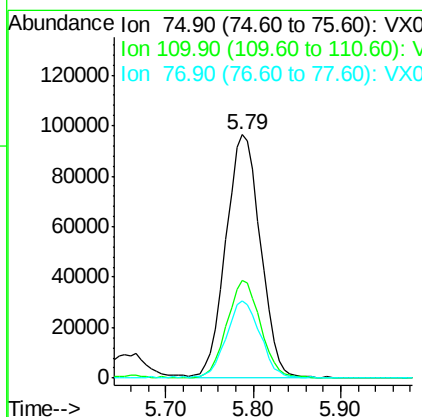
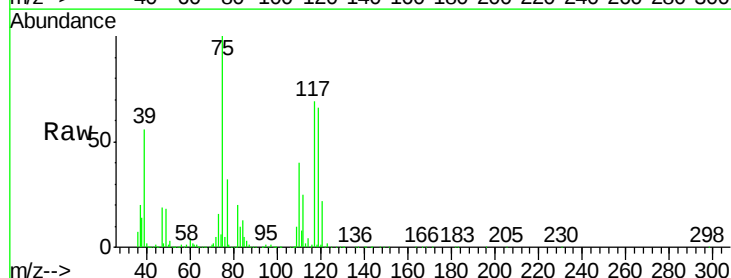
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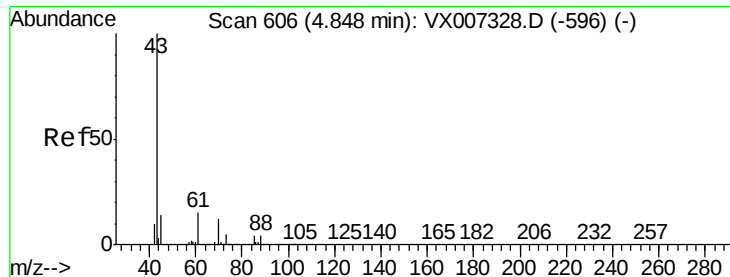
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 2/6/2019 9:30:03 AM



#36
 1,1-Dichloropropene
 Concen: 46.388 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	264091		
110	39.3		20.0	59.9
77	30.6		24.7	37.1





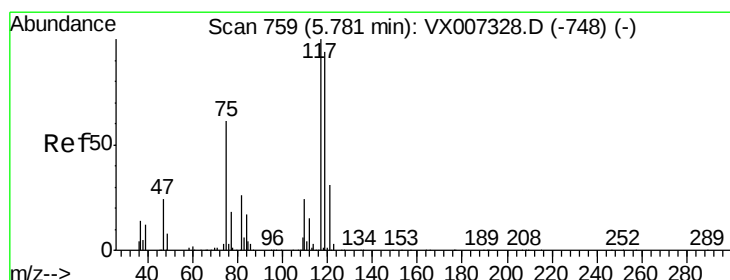
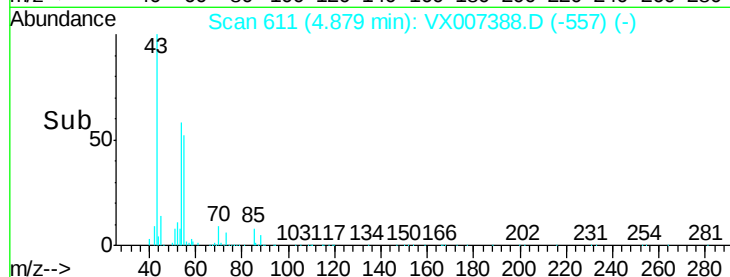
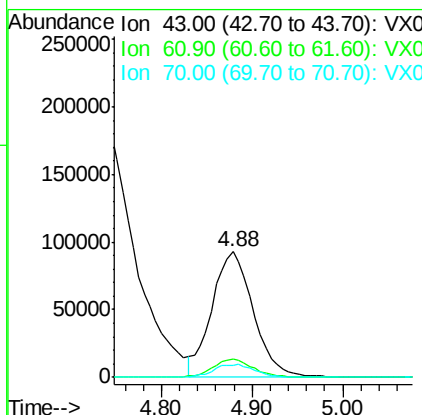
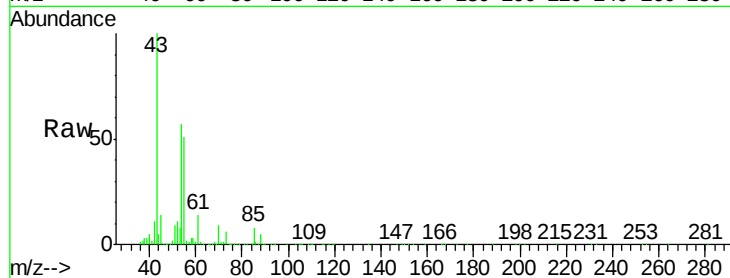
#37
Ethyl Acetate
Concen: 50.691 ug/l
RT: 4.88 min Scan# 611
Delta R.T. 0.03 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	291728
Ion Ratio	Lower	Upper	
43	100		
61	13.9	11.3	16.9
70	10.7	8.6	13.0

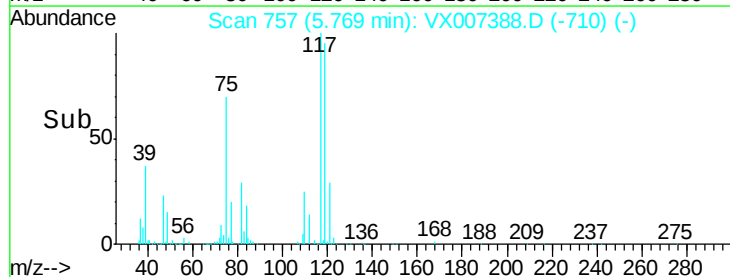
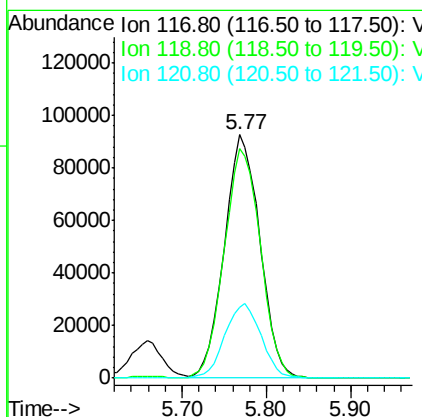
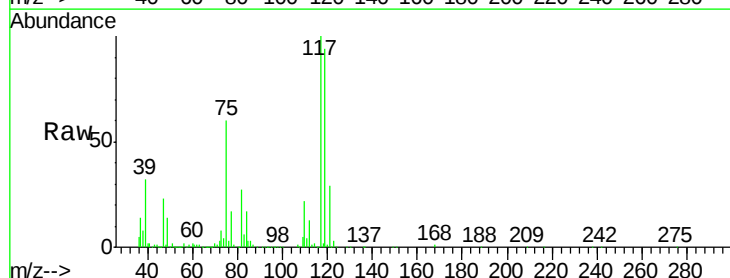
Manual Integrations
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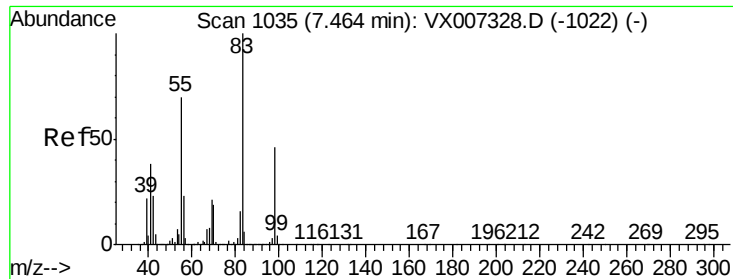
MMDadoda
2/6/2019 9:30:03 AM



#38
Carbon Tetrachloride
Concen: 48.065 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	117	Resp	265474
Ion Ratio	Lower	Upper	
117	100		
119	94.2	75.3	112.9
121	29.1	25.0	37.4





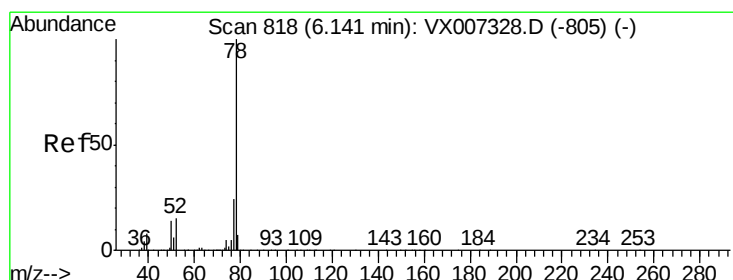
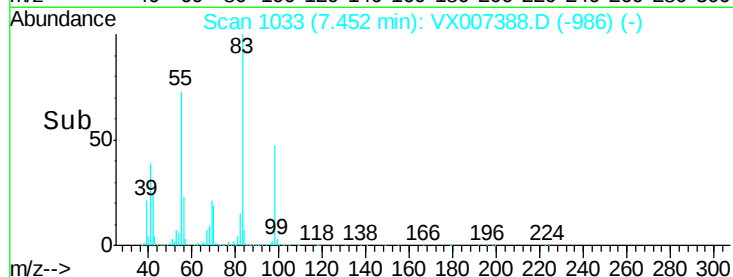
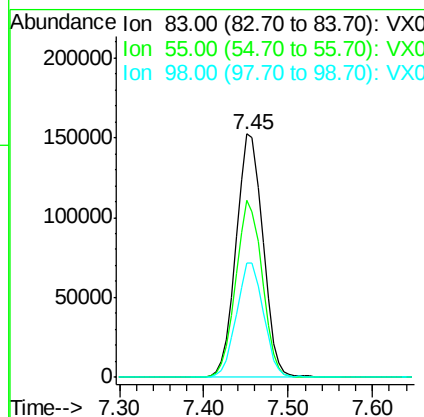
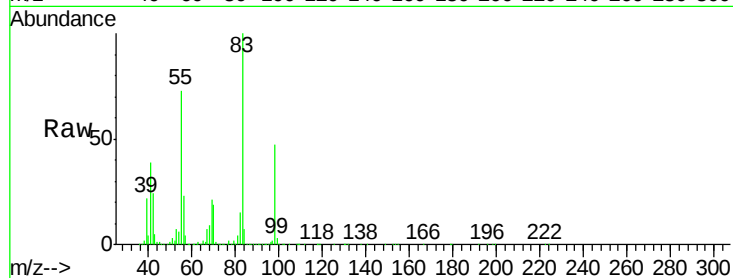
#39
Methvlcvclohexane
Concen: 47.543 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	56.2	84.2
98	46.9	36.8	55.2

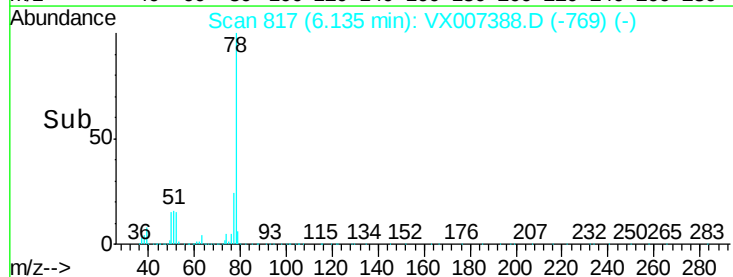
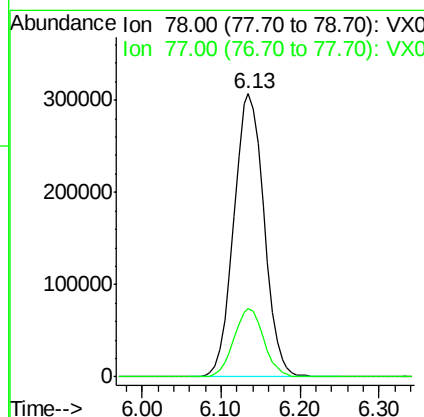
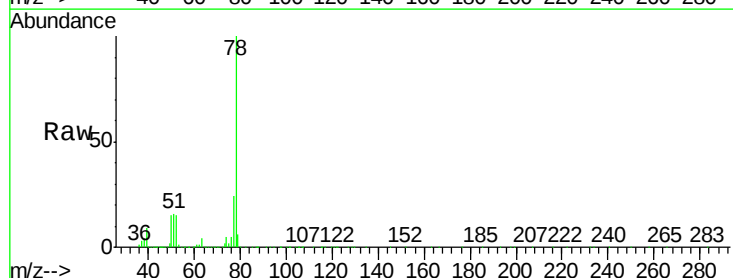
Manual Integrations
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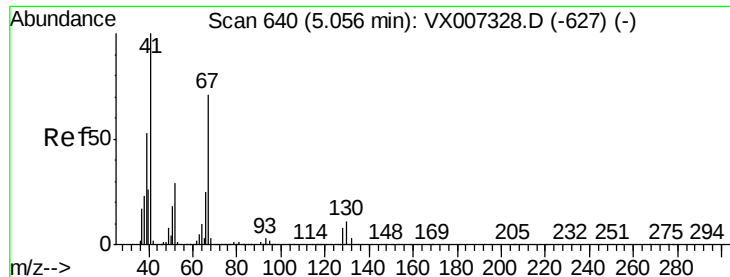
MMDadoda
2/6/2019 9:30:03 AM



#40
Benzene
Concen: 48.856 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





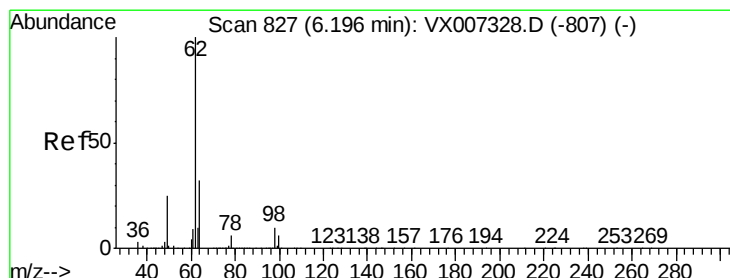
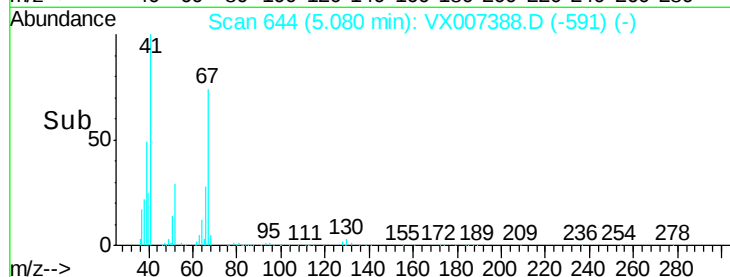
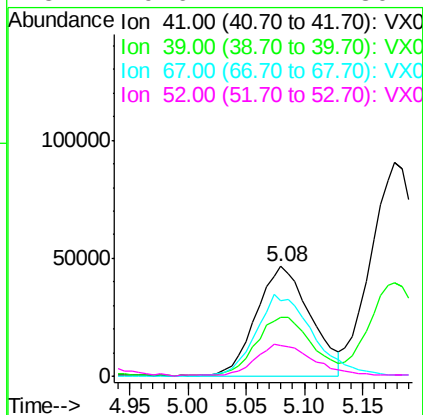
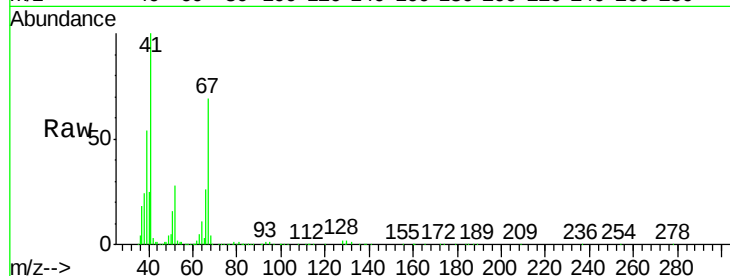
#41
Methacrylonitrile
Concen: 48.829 ug/l
RT: 5.08 min Scan# 644
Delta R.T. 0.02 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		150608		
39	54.2	44.5	66.7		
67	79.4	60.4	90.6		
52	29.6	24.1	36.1		

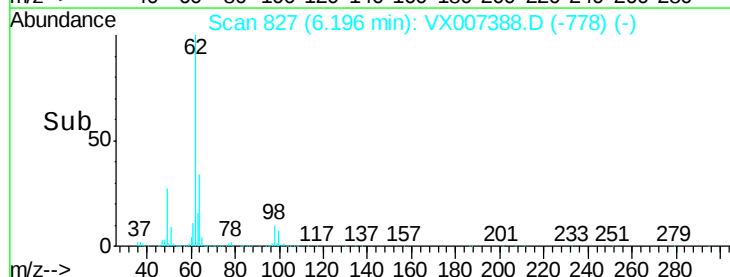
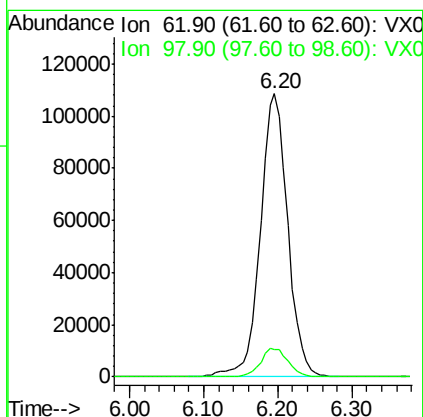
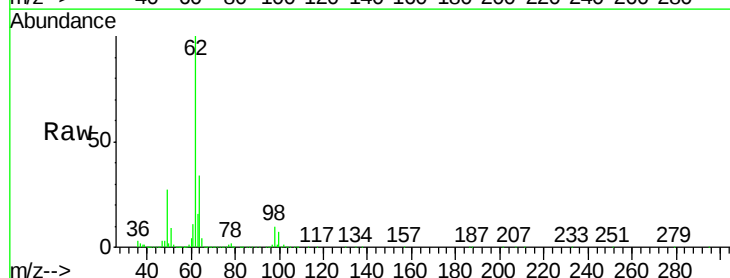
Manual Integrations
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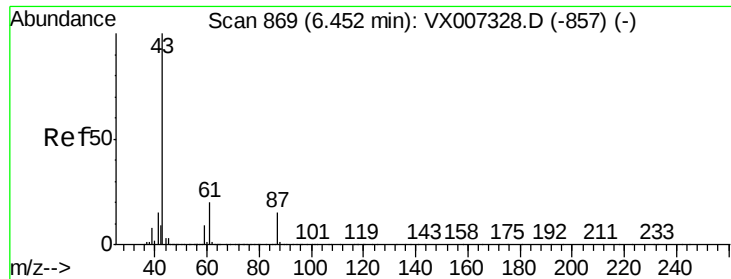
MMDadoda
2/6/2019 9:30:03 AM



#42
1,2-Dichloroethane
Concen: 47.913 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		278012		
98	10.1	0.0	19.0		





#43

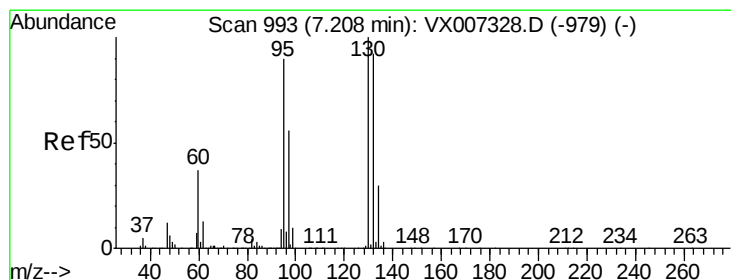
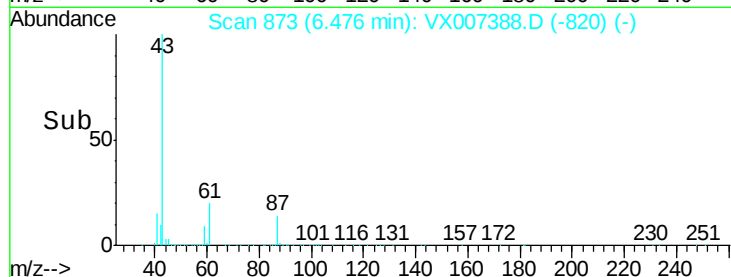
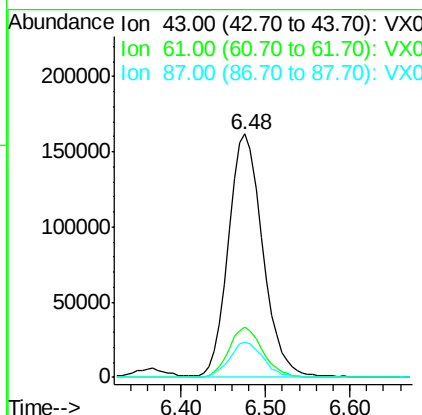
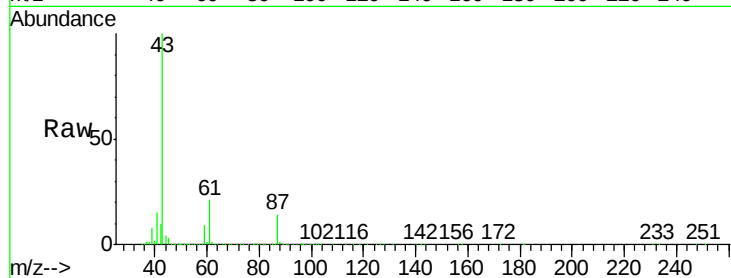
Isopropyl Acetate
 Concen: 50.127 ug/l
 RT: 6.48 min Scan# 873
 Delta R.T. 0.02 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	14.4	11.5	17.3

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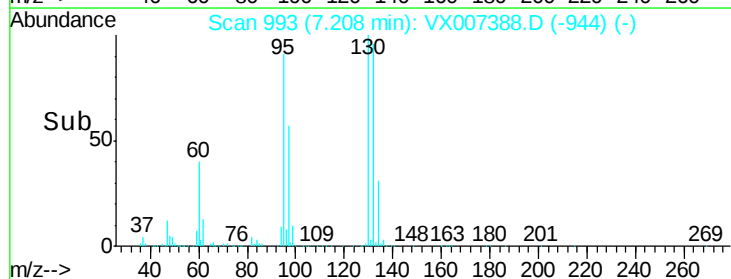
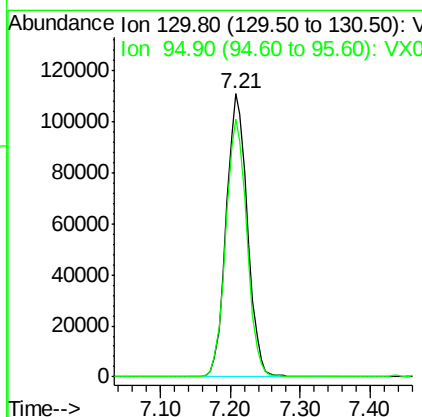
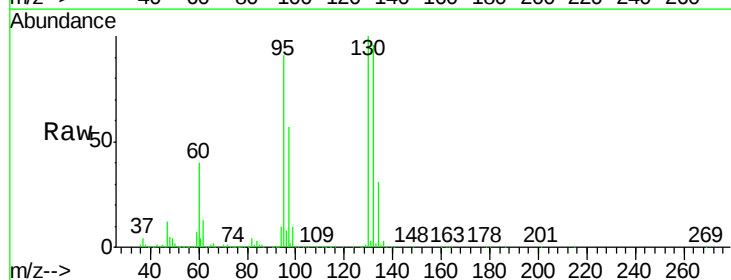
MMDadoda
 2/6/2019 9:30:03 AM

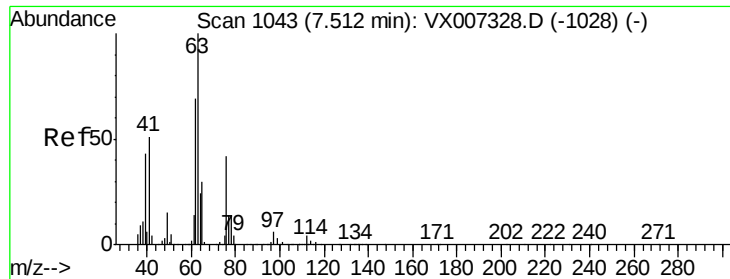


#44

Trichloroethene
 Concen: 46.240 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	180.0





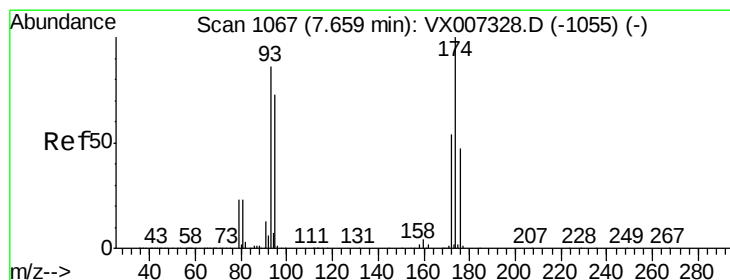
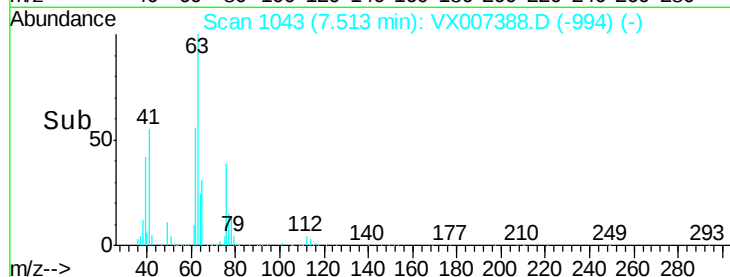
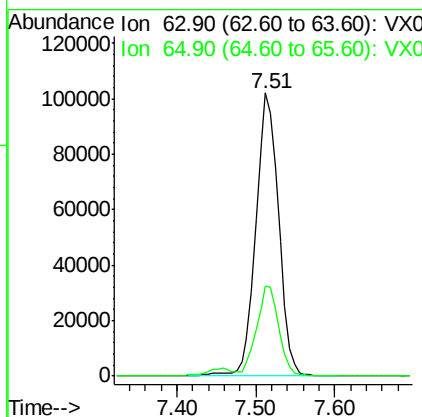
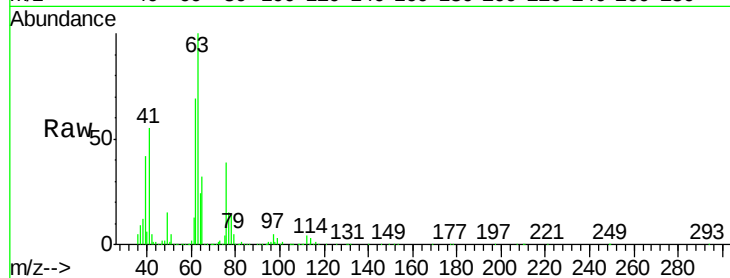
#45
 1,2-Dichloropropane
 Concen: 49.026 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.2	36.2

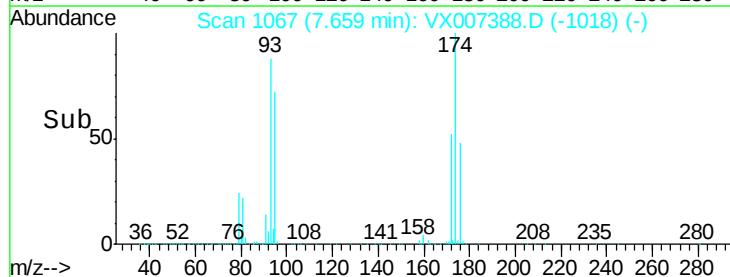
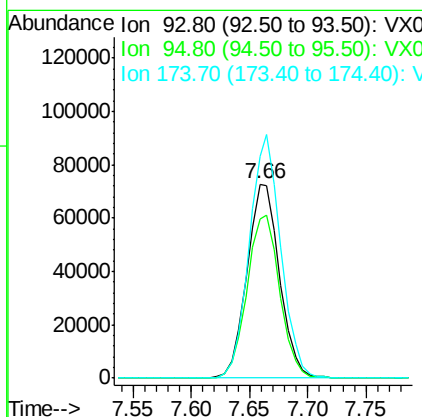
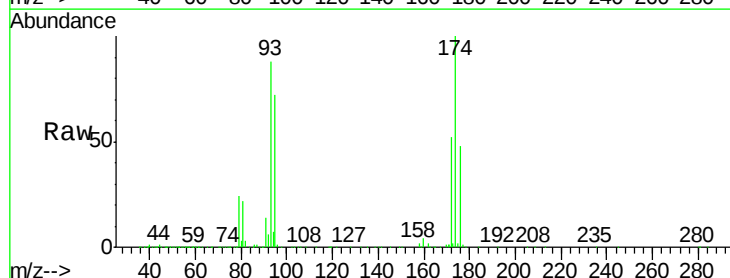
Manual Integrations
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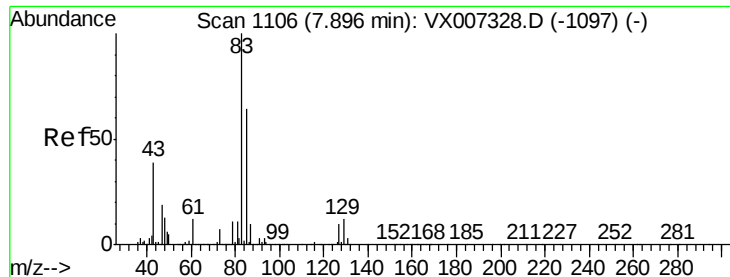
MMDadoda
 2/6/2019 9:30:03 AM



#46
 Dibromomethane
 Concen: 46.302 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.6	101.4
174	121.1	94.2	141.4





#47

Bromodichloromethane

Concen: 47.762 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

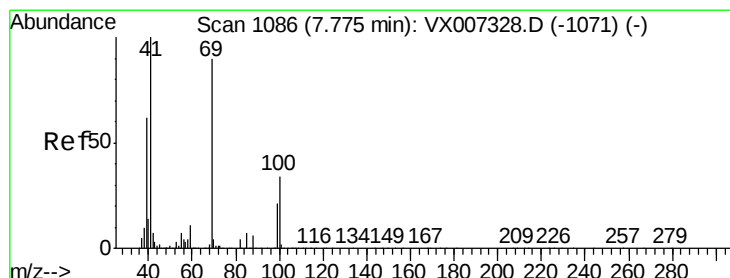
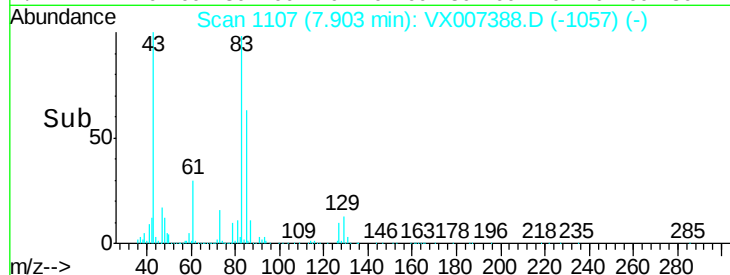
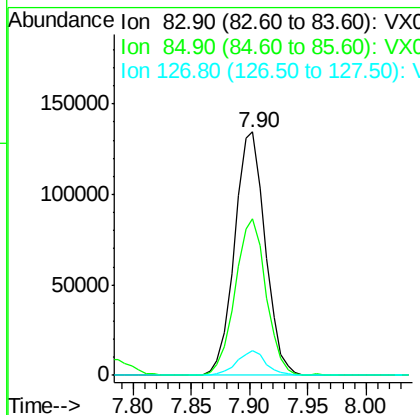
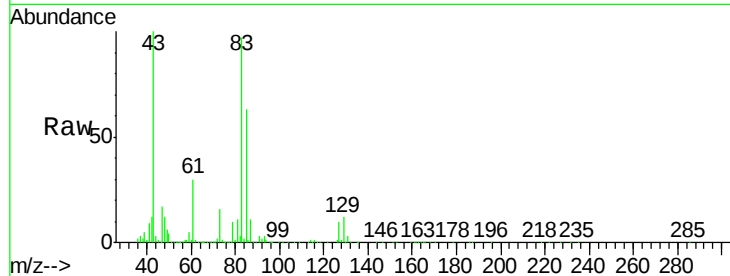
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	247198
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.4	77.0
127	10.0	8.1	12.1

Manual Integrations
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MMDadoda
2/6/2019 9:30:03 AM



#48

Methyl methacrylate

Concen: 51.596 ug/l

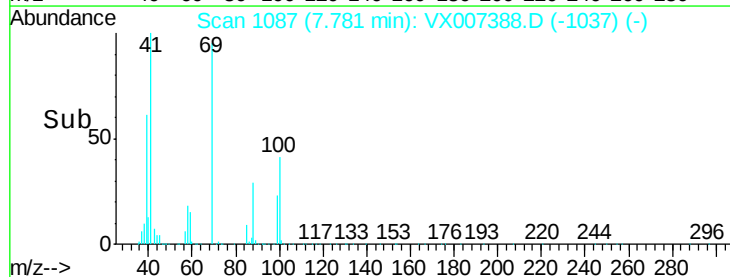
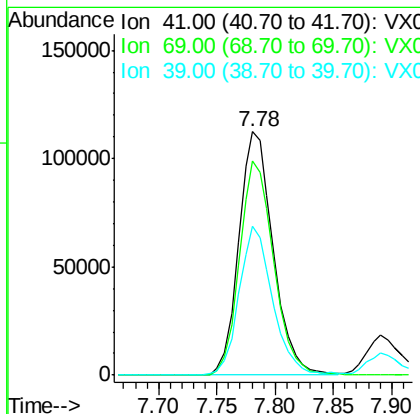
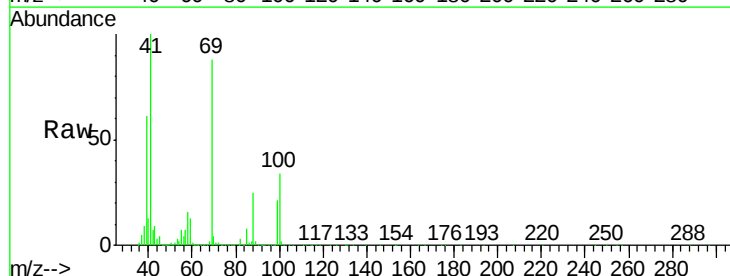
RT: 7.78 min Scan# 1087

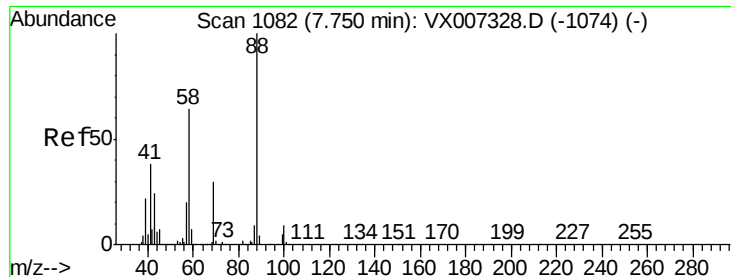
Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Tgt Ion:	41	Resp:	229251
Ion Ratio	Lower	Upper	
41	100		
69	88.1	70.2	105.4
39	59.1	47.4	71.0





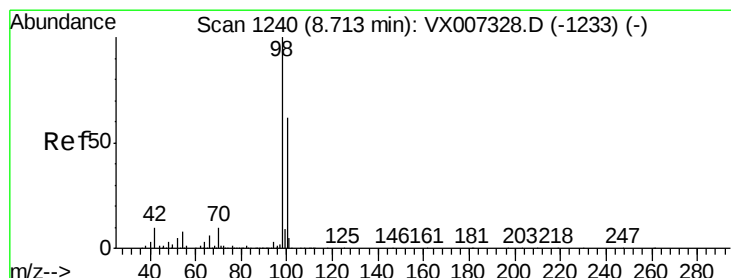
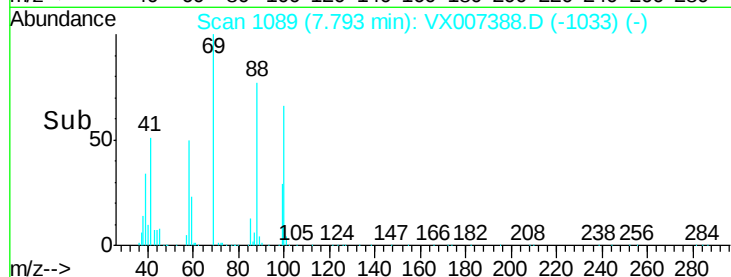
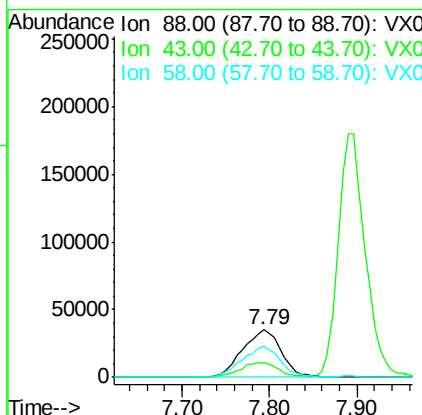
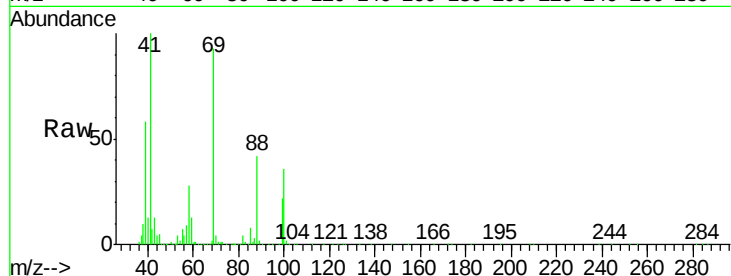
#49
 1,4-Dioxane
 Concen: 1073.848 ug/l
 RT: 7.79 min Scan# 1089
 Delta R.T. 0.04 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	24.2	36.4
58	64.1	53.0	79.4

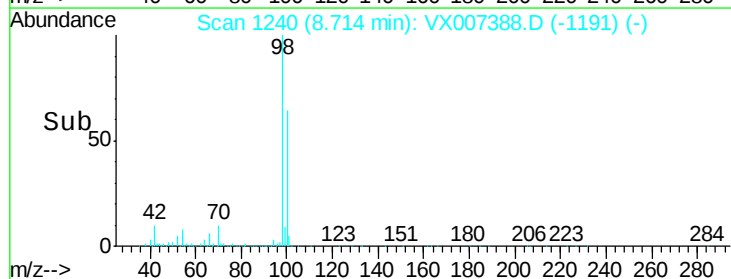
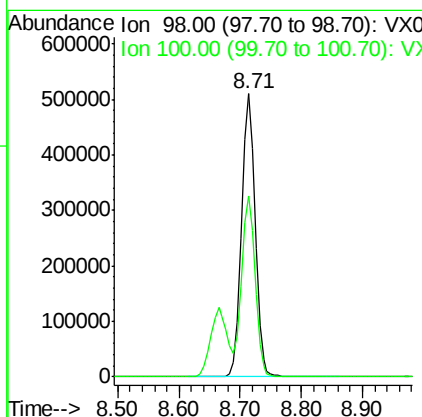
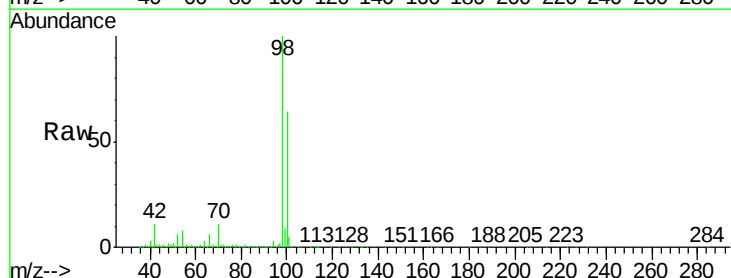
Manual Integrations
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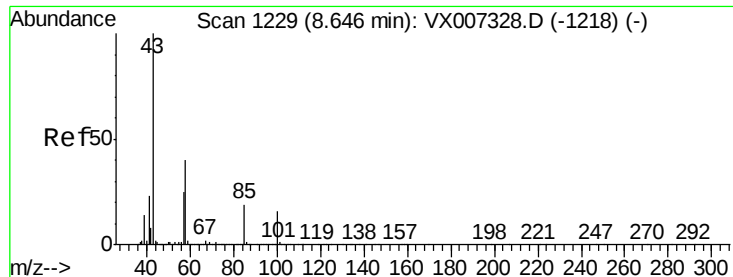
MMDadoda
 2/6/2019 9:30:03 AM



#50
 Toluene-d8
 Concen: 50.755 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 259.812 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1519303

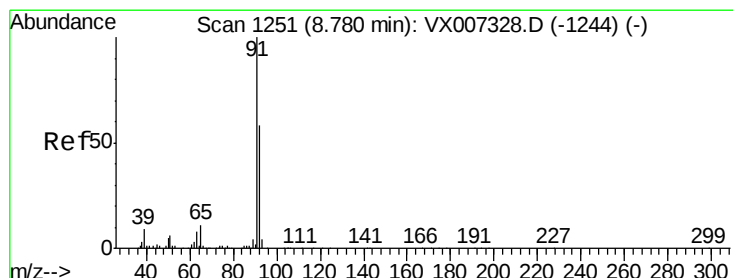
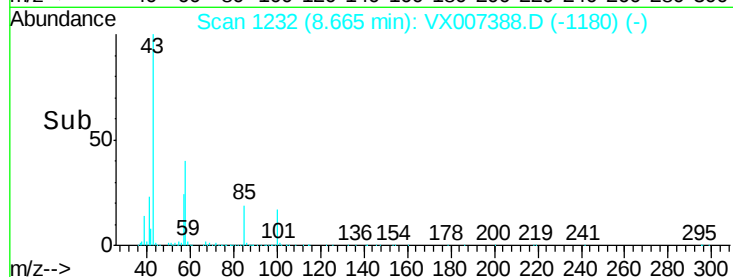
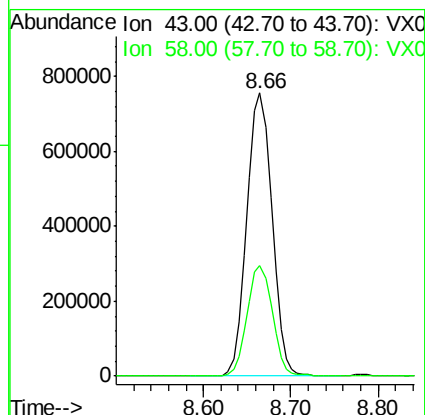
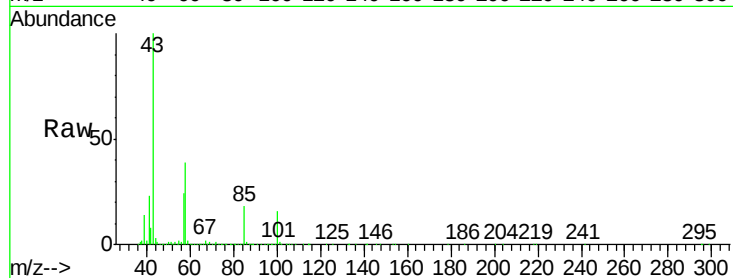
Ion Ratio Lower Upper

43 100

58 39.3 31.2 46.8

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MMDadoda
2/6/2019 9:30:03 AM



#52

Toluene

Concen: 47.985 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007388.D

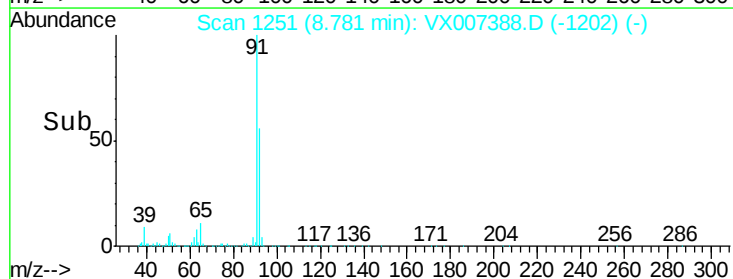
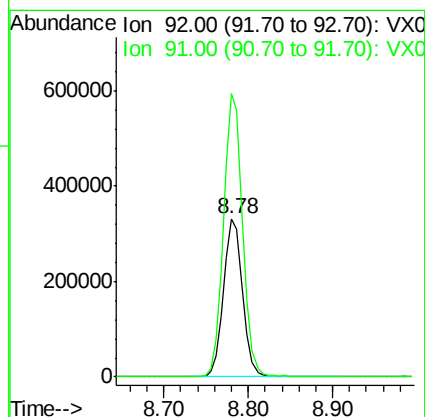
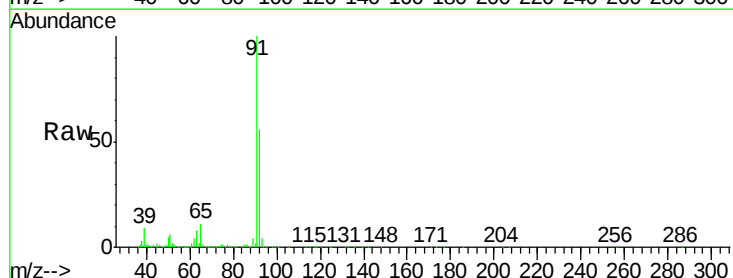
Acq: 05 Feb 2019 20:18

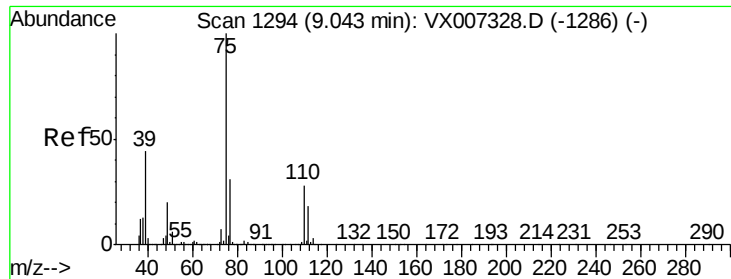
Tgt Ion: 92 Resp: 519192

Ion Ratio Lower Upper

92 100

91 178.8 139.1 208.7





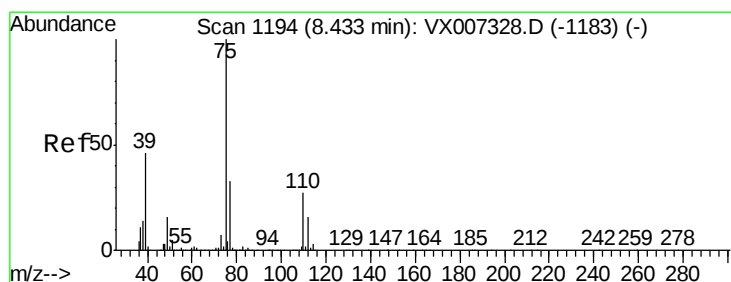
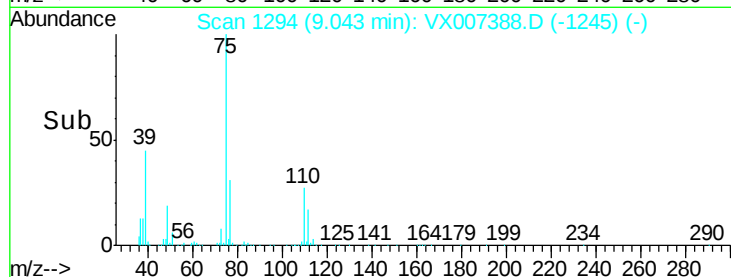
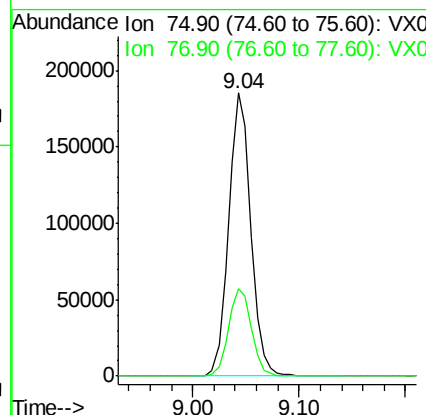
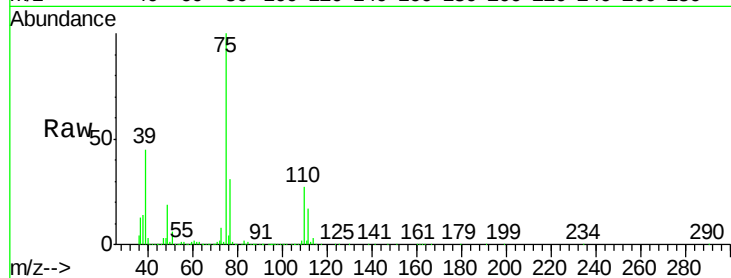
#53
t-1,3-Dichloropropene
Concen: 48.471 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8

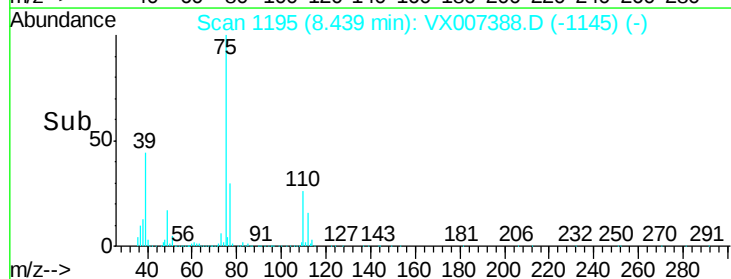
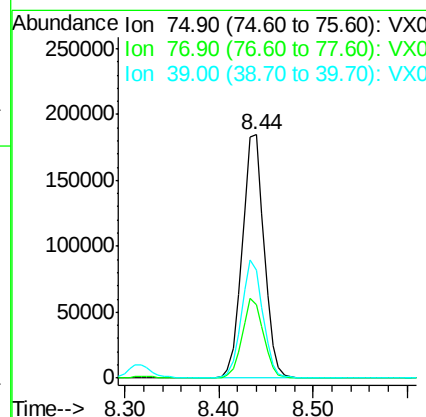
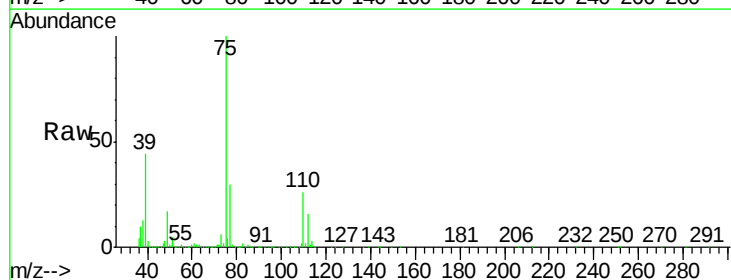
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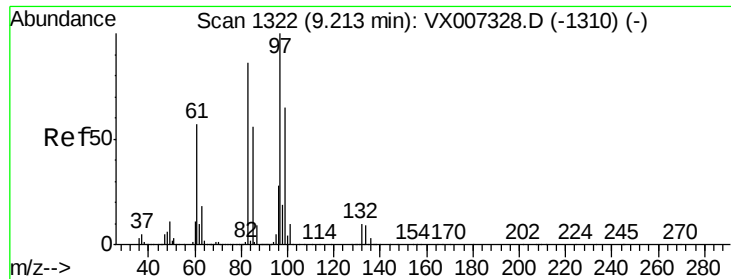
MMDadoda
2/6/2019 9:30:03 AM



#54
cis-1,3-Dichloropropene
Concen: 48.823 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.9	26.2	39.4
39	44.0	37.1	55.7





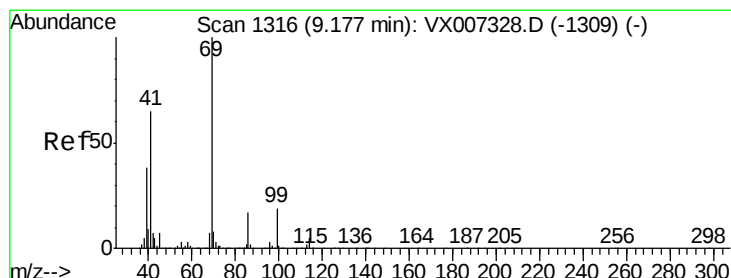
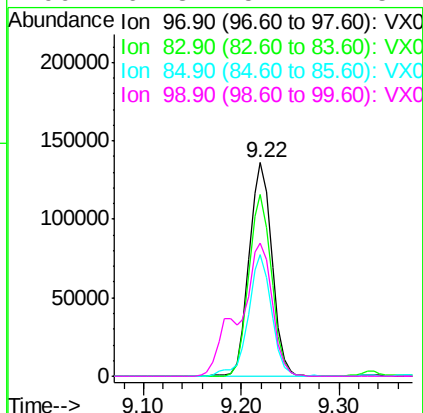
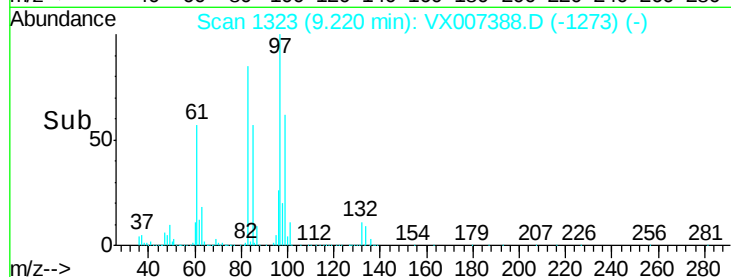
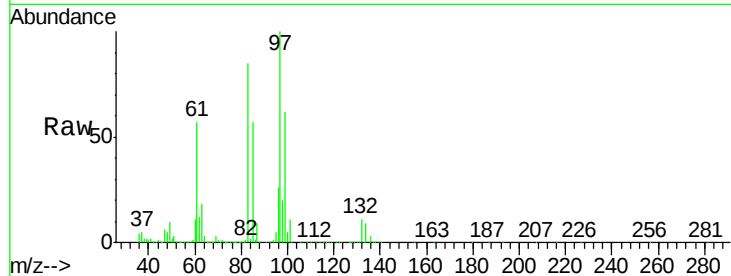
#55
 1,1,2-Trichloroethane
 Concen: 49.123 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		221554		
83	85.4	68.6	102.8		
85	56.6	44.5	66.7		
99	62.3	52.2	78.4		

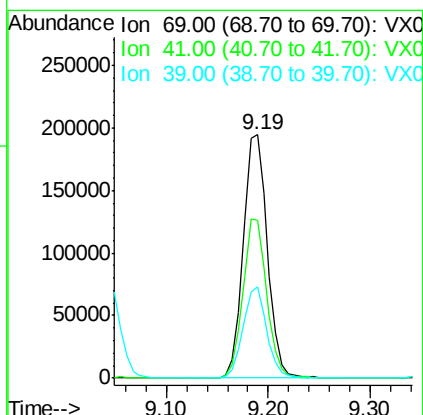
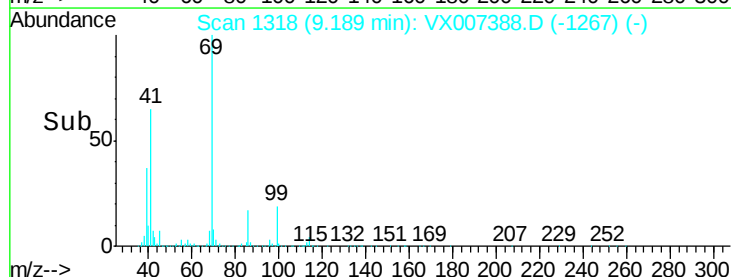
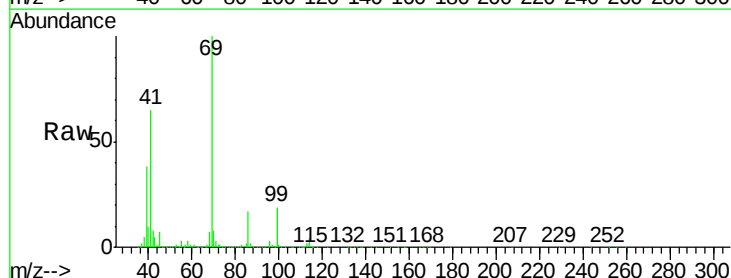
Manual Integrations
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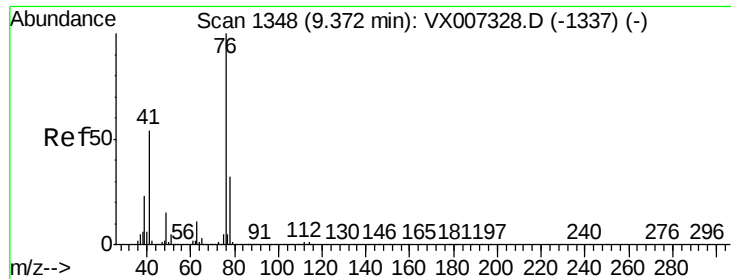
MMDadoda
 2/6/2019 9:30:03 AM



#56
 Ethyl methacrylate
 Concen: 50.842 ug/l
 RT: 9.19 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		317596		
41	64.4	52.1	78.1		
39	36.5	30.1	45.1		





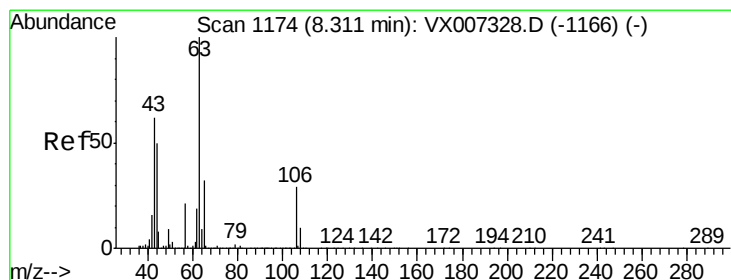
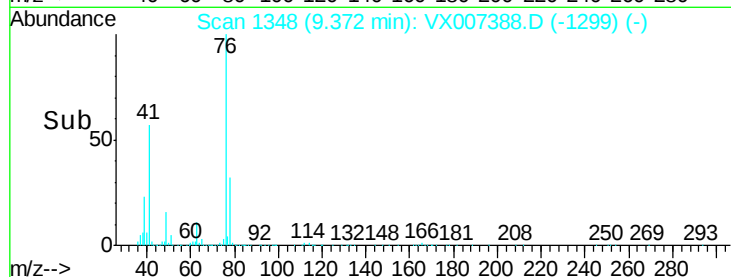
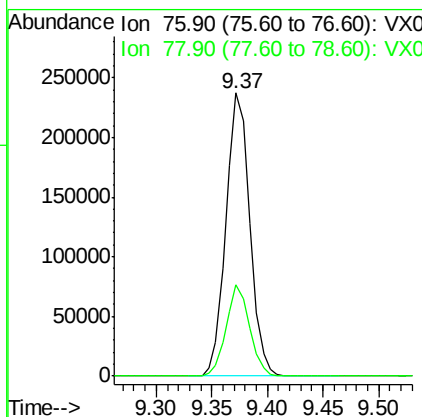
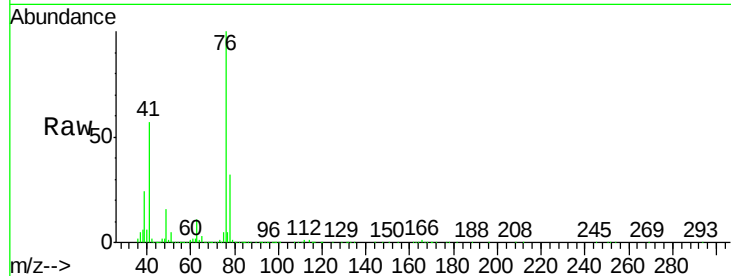
#57
 1,3-Dichloropropane
 Concen: 49.217 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.8

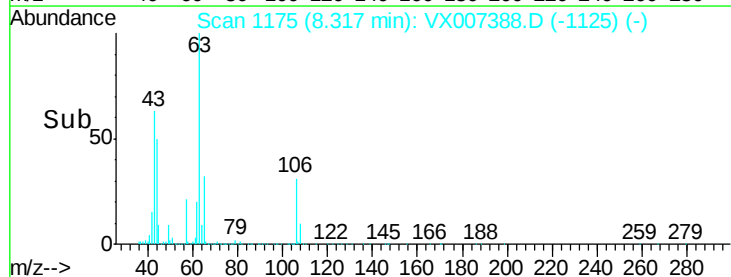
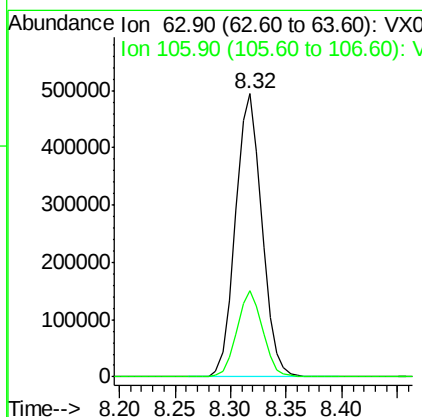
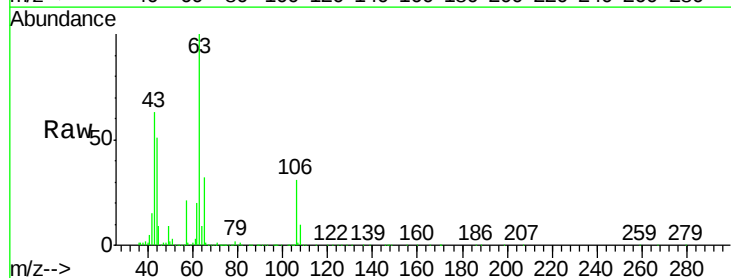
Manual Integrations
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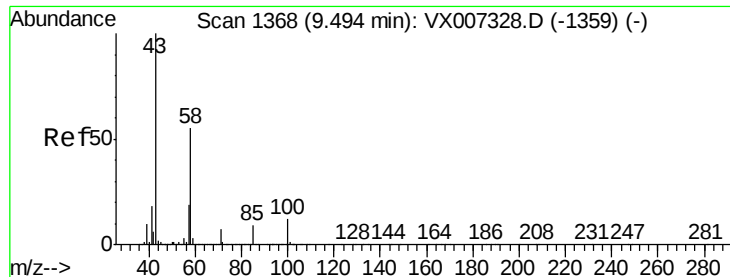
MMDadoda
 2/6/2019 9:30:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.630 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.6	35.4





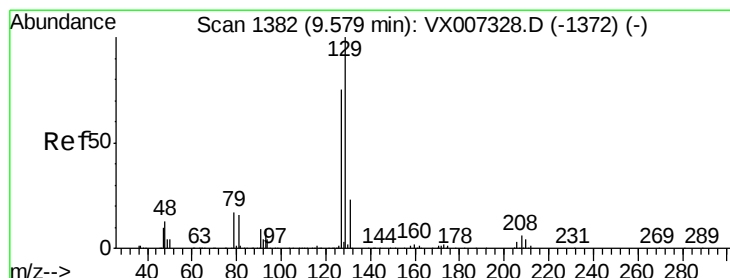
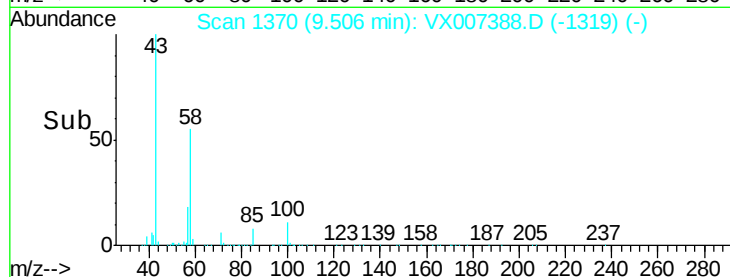
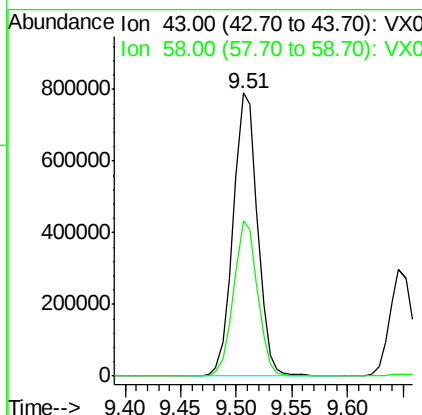
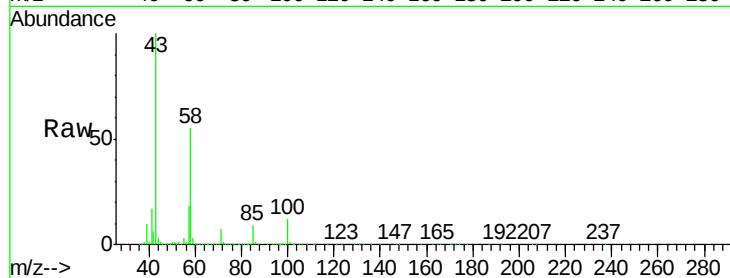
#59
2-Hexanone
Concen: 262.075 ug/l
RT: 9.51 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1192569
Ion Ratio Lower Upper
43 100
58 54.3 27.1 81.3

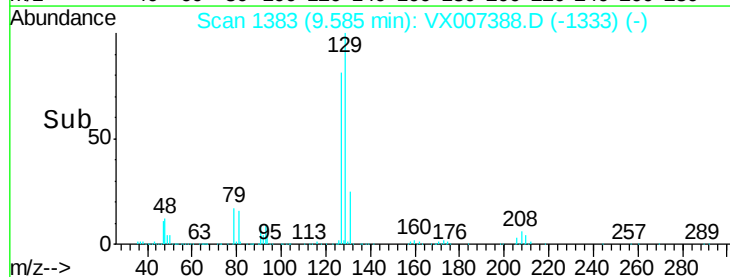
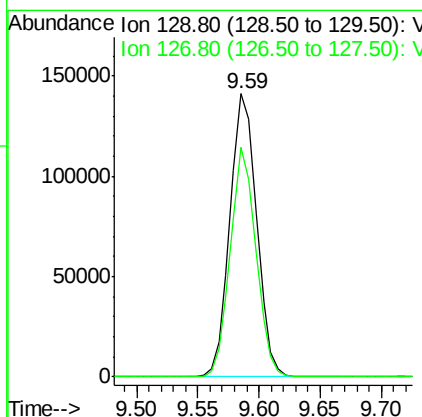
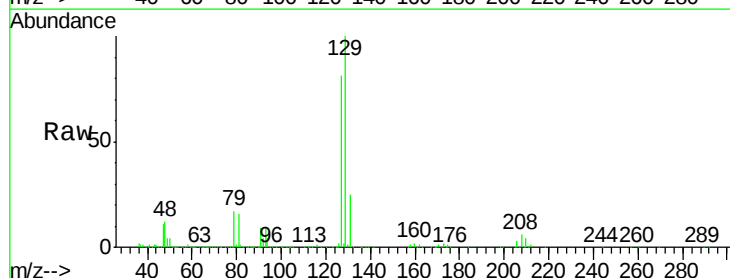
Manual Integrations
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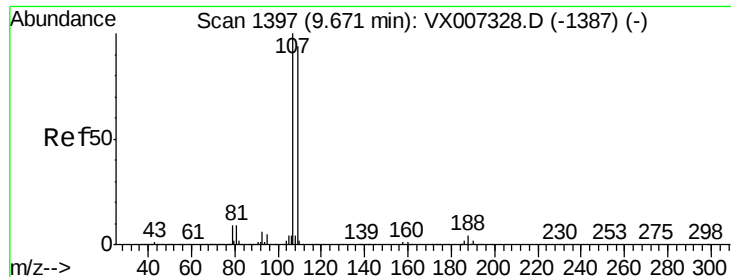
MMDadoda
2/6/2019 9:30:03 AM



#60
Dibromochloromethane
Concen: 50.064 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion: 129 Resp: 213554
Ion Ratio Lower Upper
129 100
127 77.8 37.8 113.4





#61

1,2-Dibromoethane

Concen: 48.944 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 233774

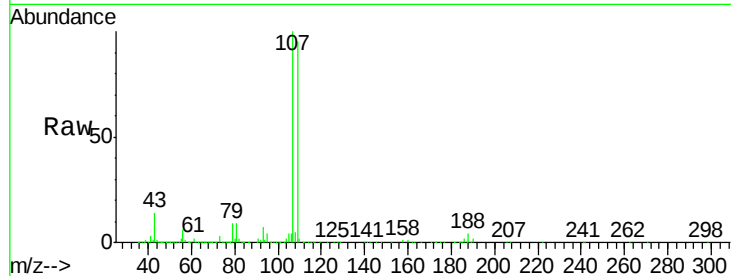
Ion Ratio Lower Upper

107 100

109 95.6 75.1 112.7

Manual Integrations
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2/6/2019 9:30:03 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

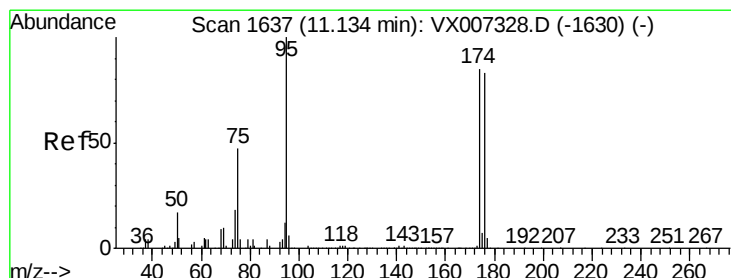
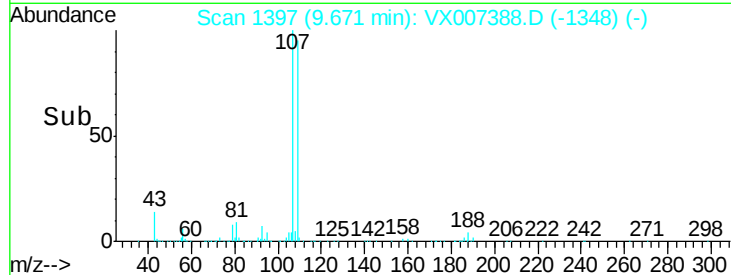
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.770 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

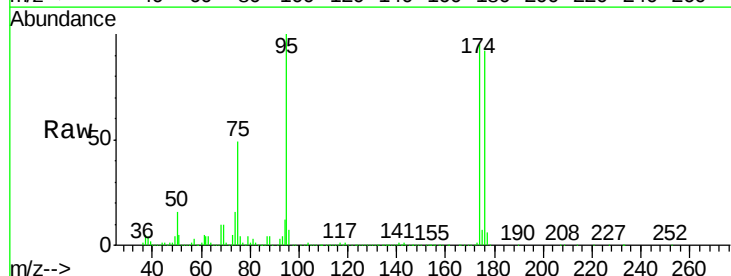
Tgt Ion: 95 Resp: 289525

Ion Ratio Lower Upper

95 100

174 95.3 0.0 189.2

176 93.0 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

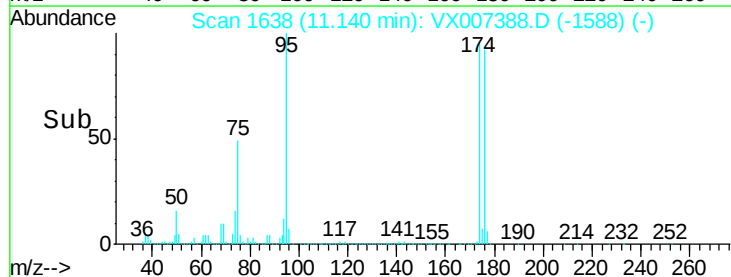
150000

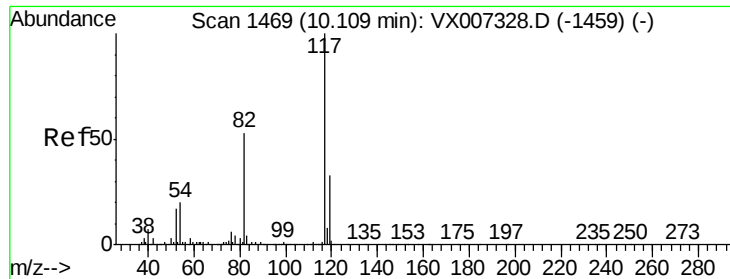
100000

50000

0

Time-->





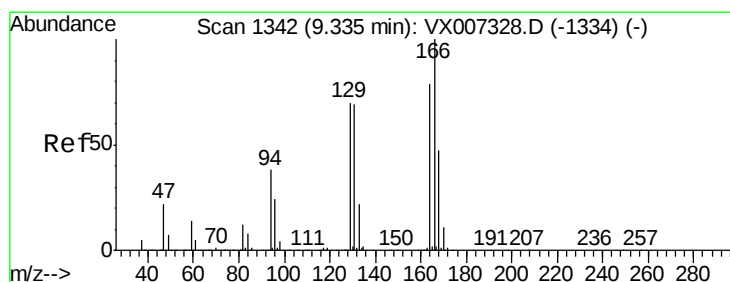
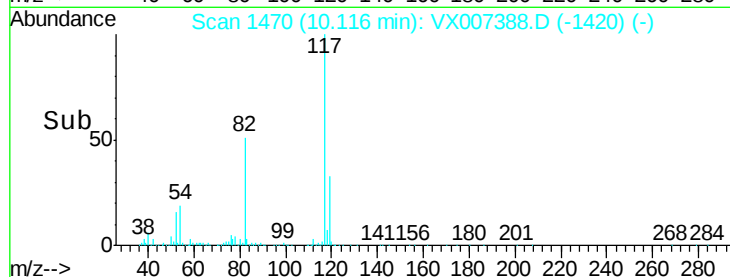
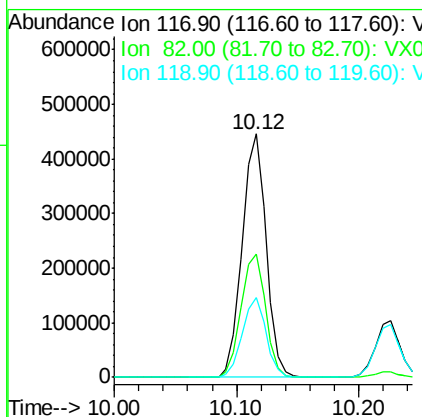
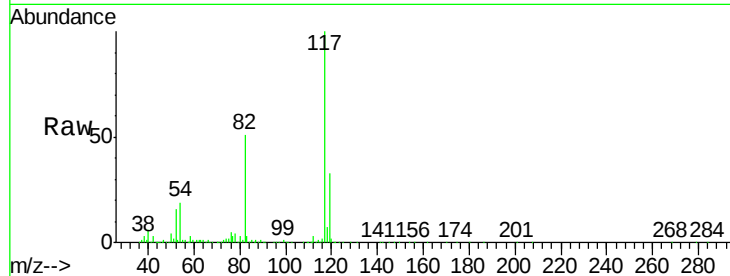
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	50.7	42.1	63.1
119	32.7	26.5	39.7

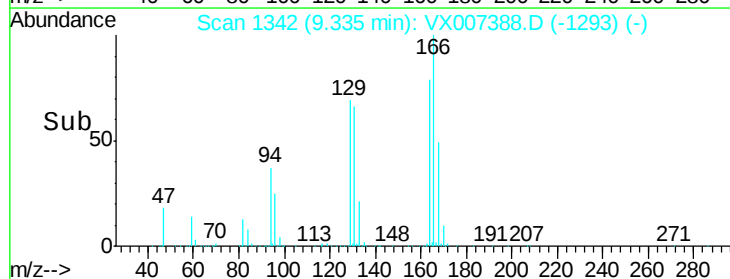
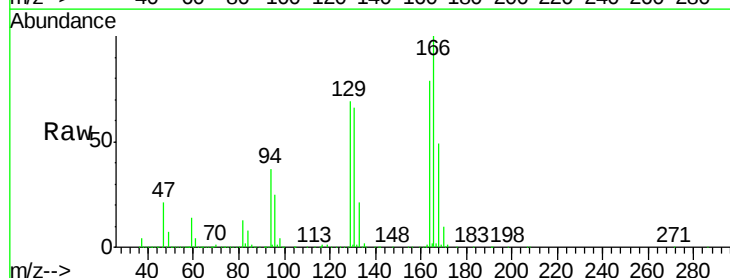
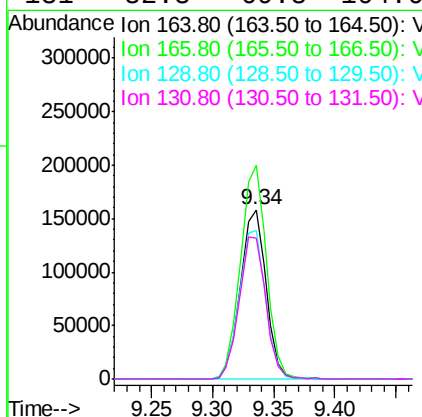
Manual Integrations
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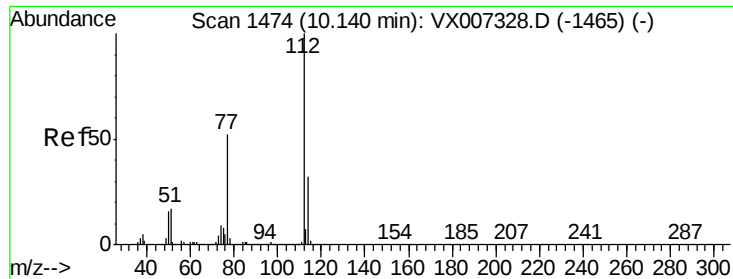
MMDadoda
2/6/2019 9:30:03 AM



#64
Tetrachloroethene
Concen: 40.256 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	126.0	101.0	151.4
129	87.6	70.5	105.7
131	82.8	69.8	104.6





#65

Chlorobenzene

Concen: 45.083 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 595886

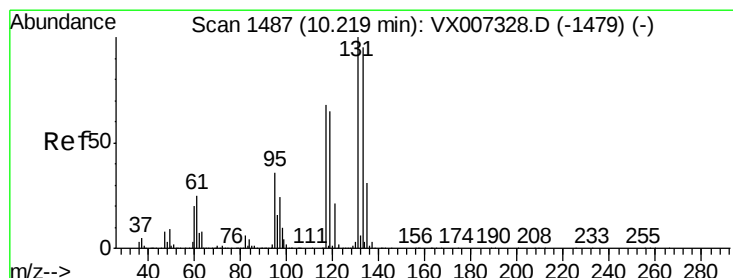
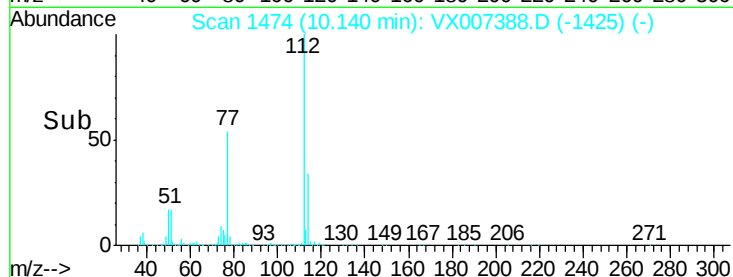
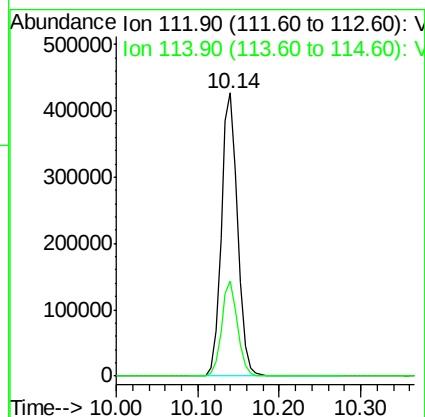
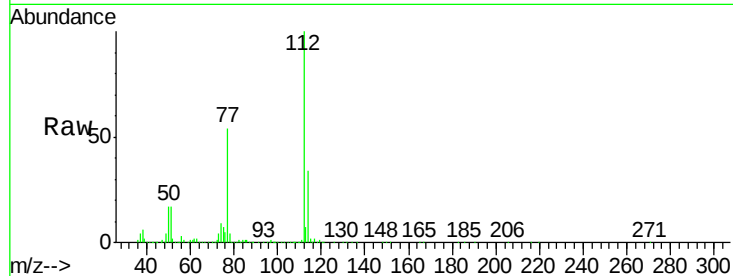
Ion Ratio Lower Upper

112 100

114 33.5 25.8 38.6

Manual Integrations
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2/6/2019 9:30:03 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 48.975 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

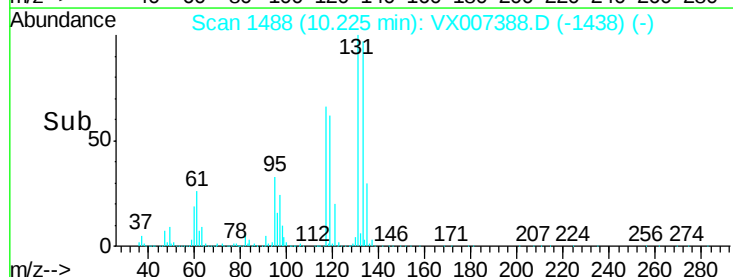
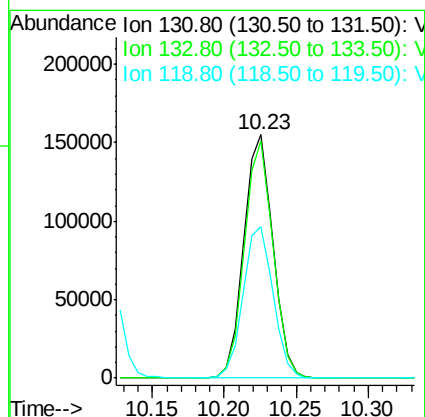
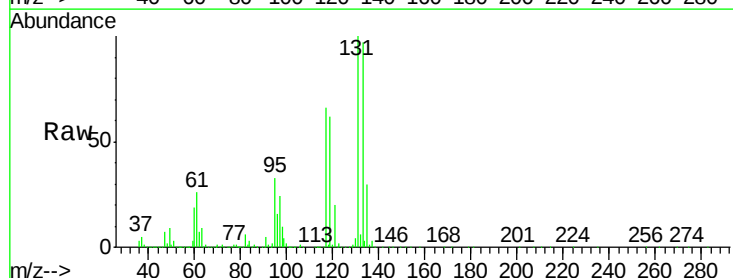
Tgt Ion:131 Resp: 217027

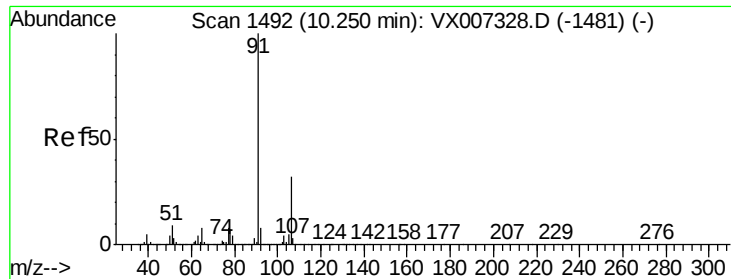
Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

119 64.0 32.0 96.0





#67

Ethyl Benzene

Concen: 46.657 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 993104

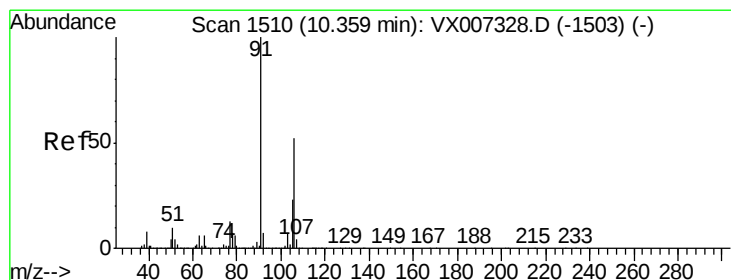
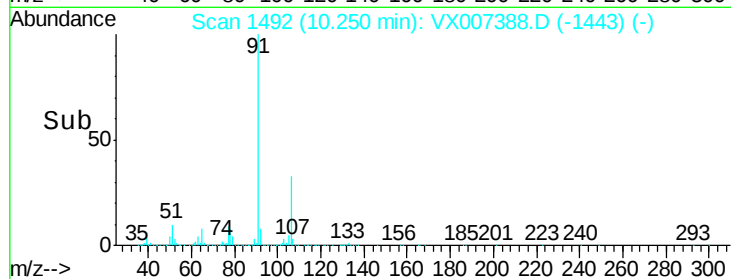
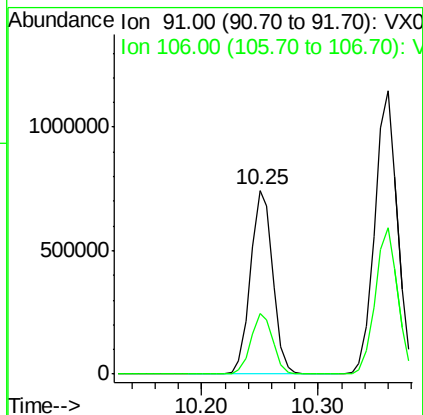
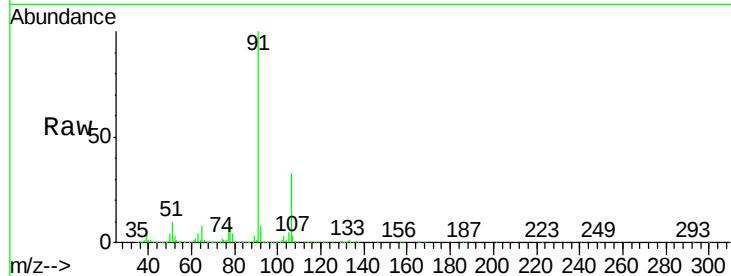
Ion Ratio Lower Upper

91 100

106 32.8 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 93.894 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007388.D

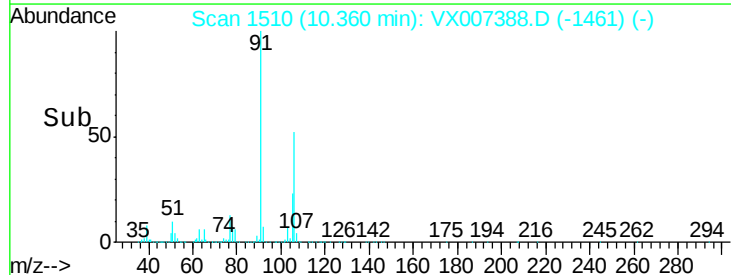
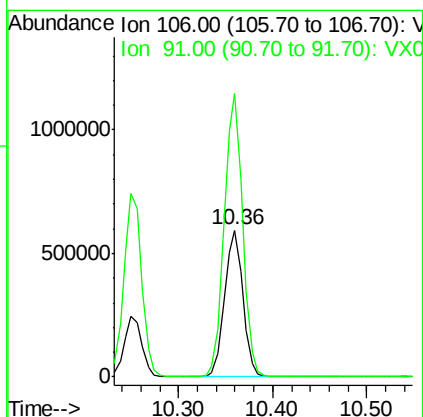
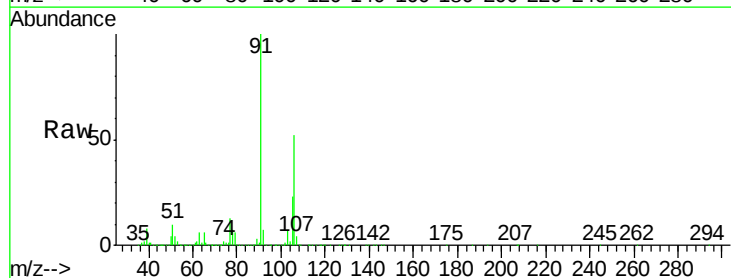
Acq: 05 Feb 2019 20:18

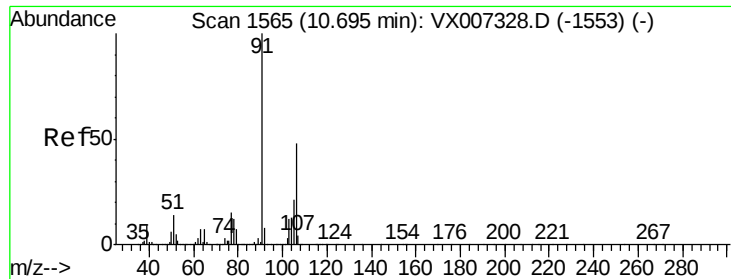
Tgt Ion: 106 Resp: 794442

Ion Ratio Lower Upper

106 100

91 194.8 156.6 234.8





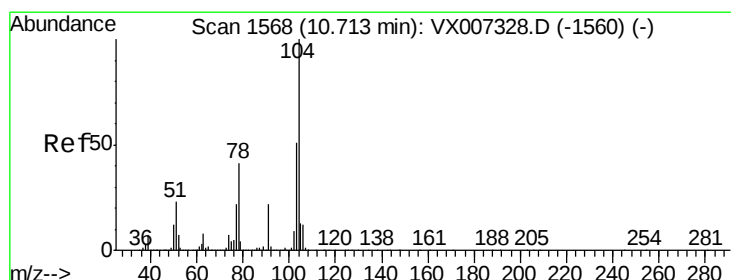
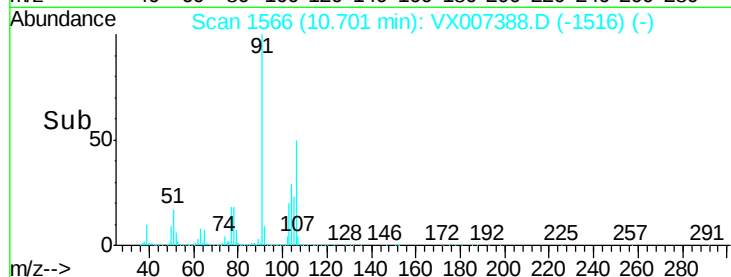
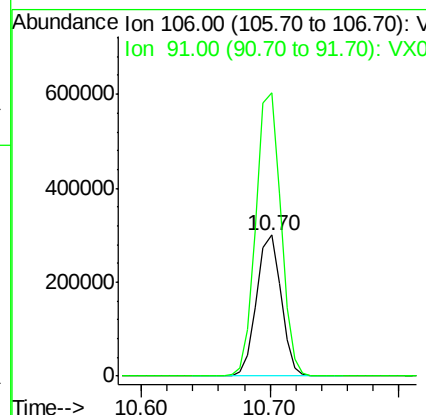
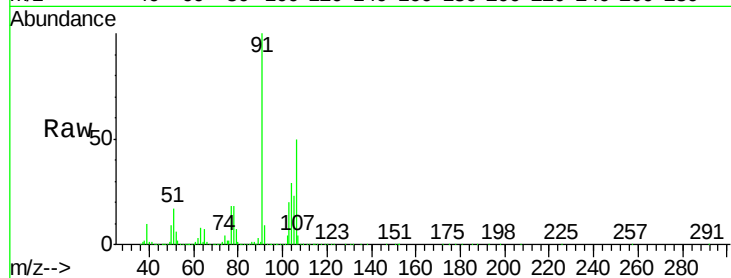
#69
o-Xylene
Concen: 48.246 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 392806
Ion Ratio Lower Upper
106 100
91 203.9 102.9 308.7

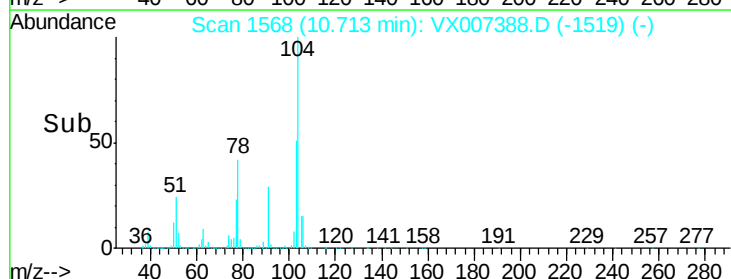
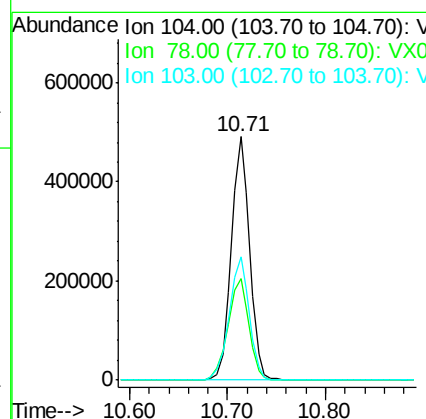
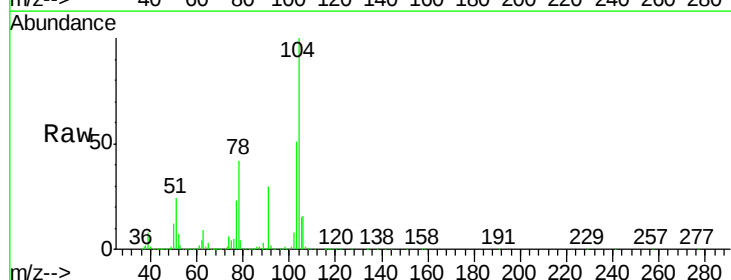
Manual Integrations
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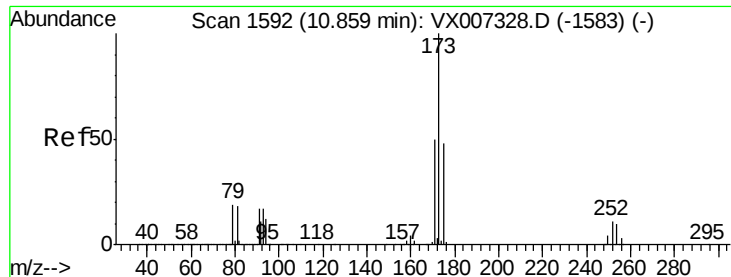
MMDadoda
2/6/2019 9:30:03 AM



#70
Styrene
Concen: 48.265 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion:104 Resp: 637285
Ion Ratio Lower Upper
104 100
78 47.7 38.3 57.5
103 55.3 44.6 67.0





#71

Bromoform

Concen: 43.277 ug/l

RT: 10.87 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

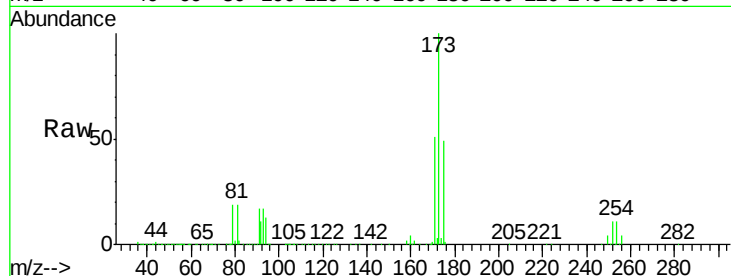
ClientSampleId :

VSTDCCC050EC

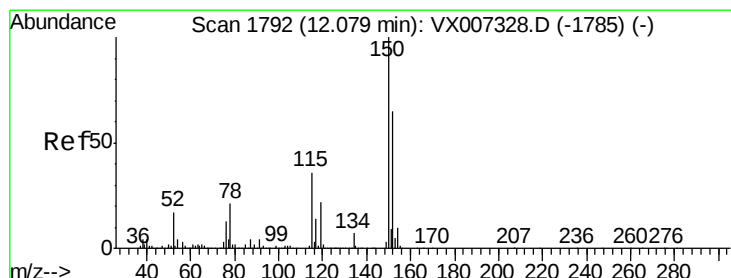
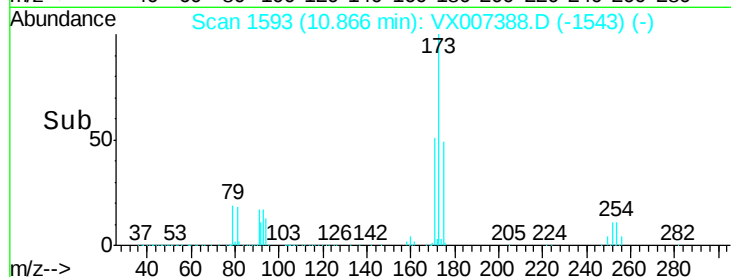
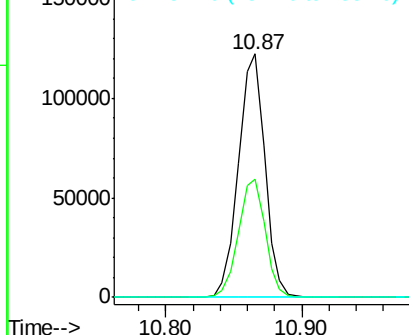
Tot Ion:	173	Resp:	165912
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.2	72.6
254	0.2	0.2	0.2

Manual Integrations
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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

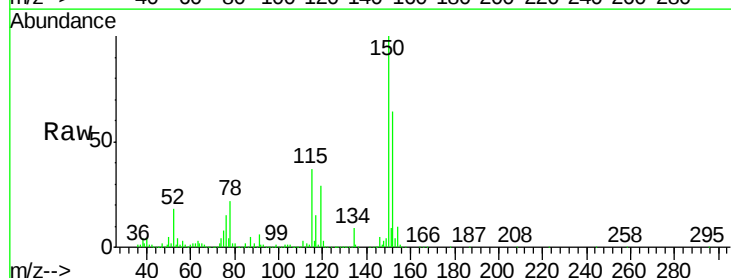
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

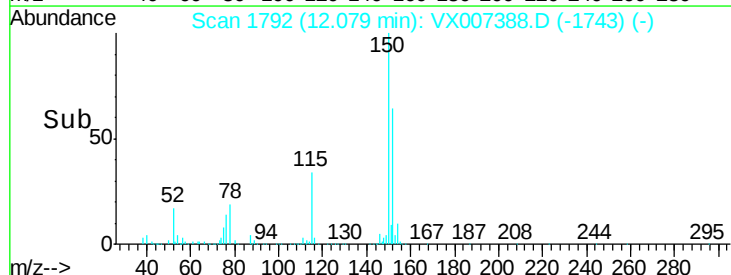
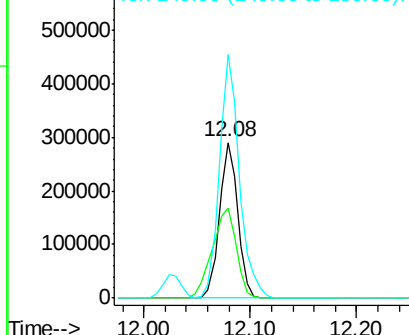
Lab File: VX007388.D

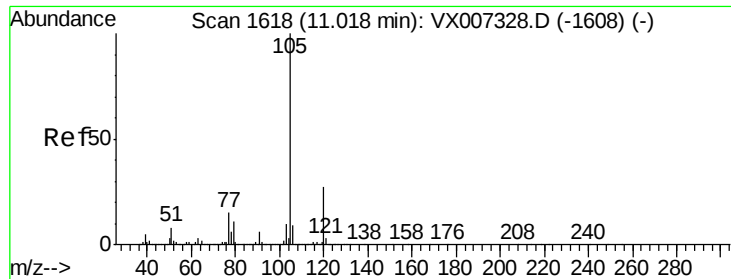
Acq: 05 Feb 2019 20:18

Tgt Ion:	152	Resp:	345368
Ion Ratio	Lower	Upper	
152	100		
115	75.5	38.0	114.0
150	171.8	0.0	346.4



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: 43.903 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1030381

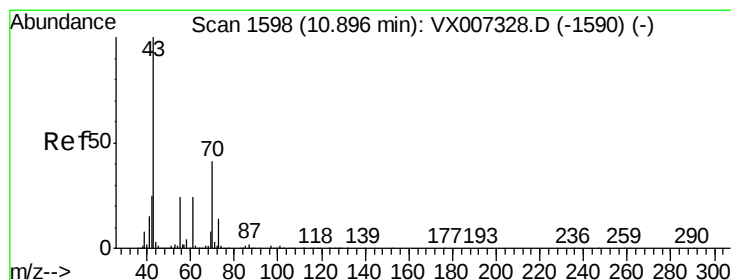
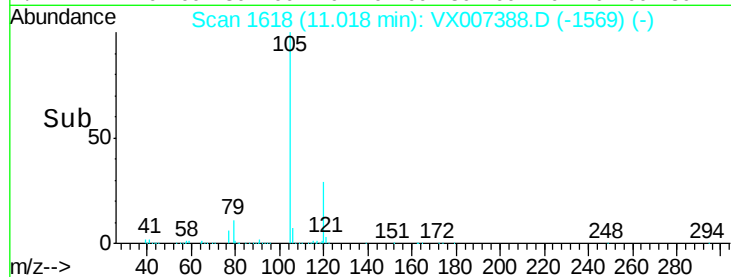
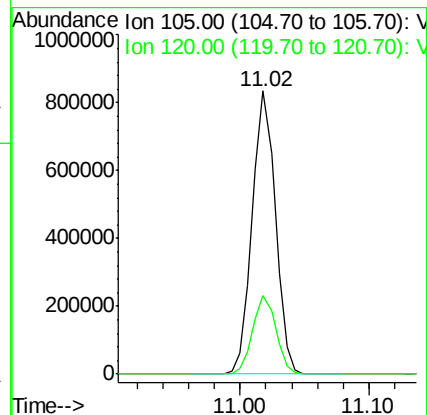
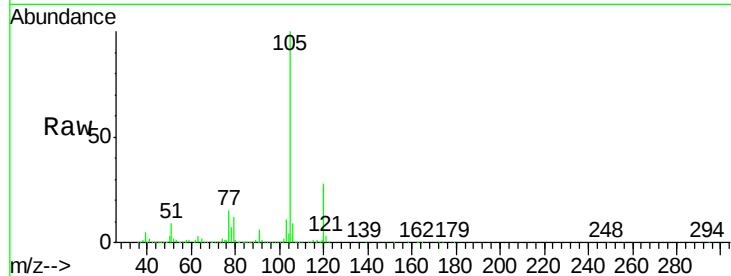
Ion Ratio Lower Upper

105 100

120 27.9 13.6 40.7

Manual Integrations
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2/6/2019 9:30:03 AM



#74

N-ethyl acetate

Concen: 48.851 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Tgt Ion: 43 Resp: 443458

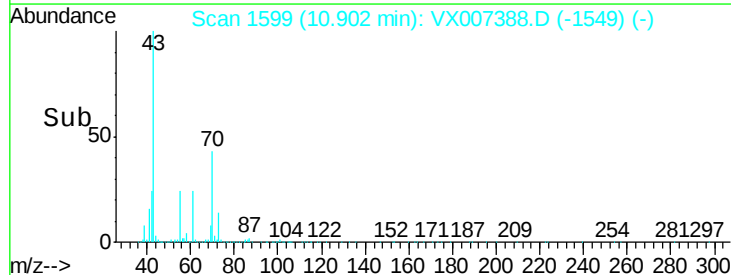
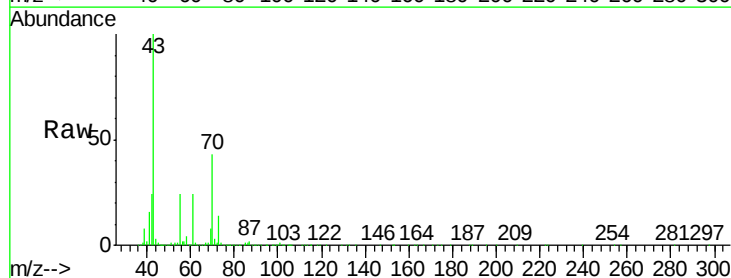
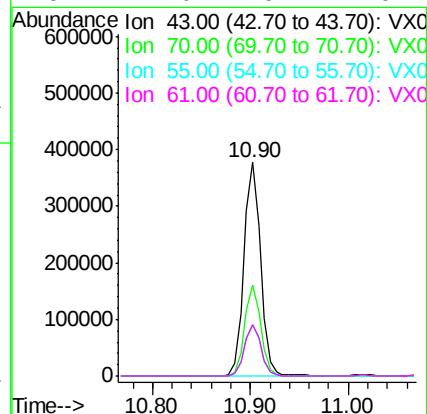
Ion Ratio Lower Upper

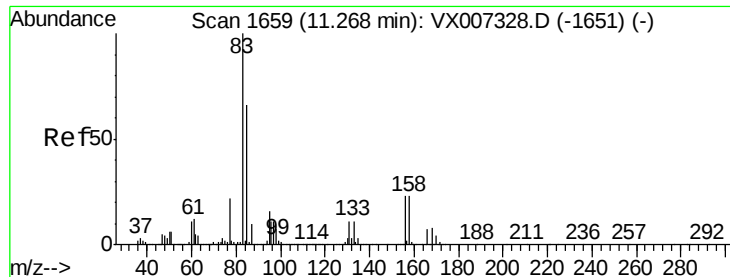
43 100

70 41.9 33.8 50.6

55 23.9 19.5 29.3

61 24.0 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.277 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

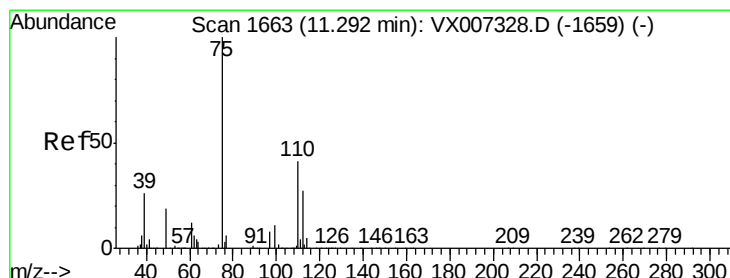
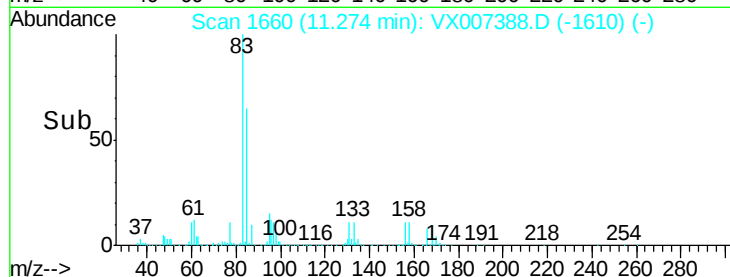
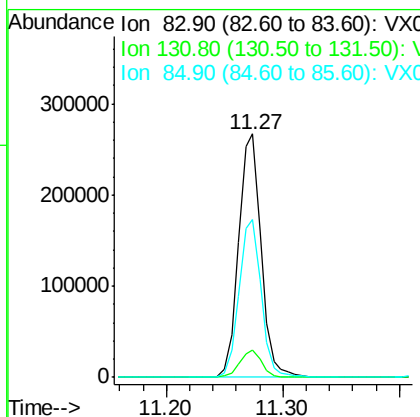
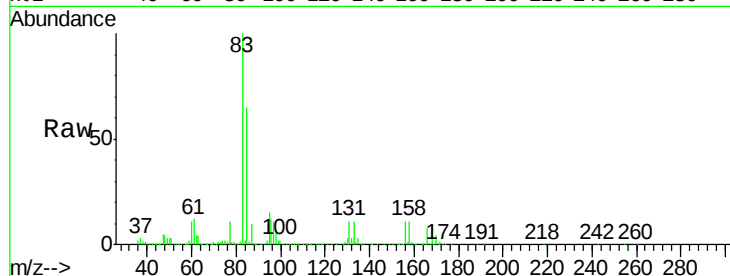
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	359612
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.0
85	64.3	32.8	98.3

Manual Integrations
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2/6/2019 9:30:03 AM



#76

1,2,3-Trichloropropane

Concen: 43.943 ug/l m

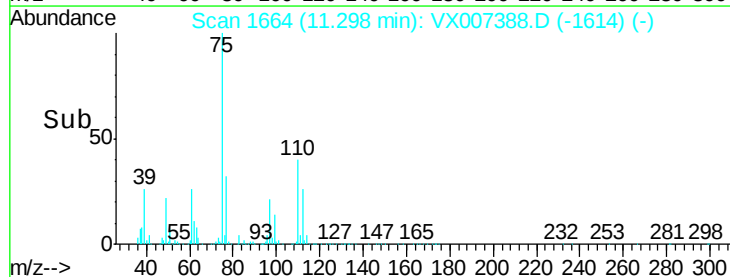
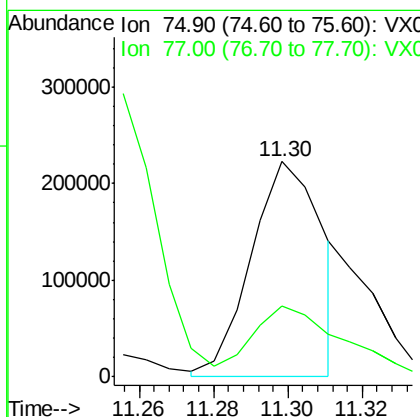
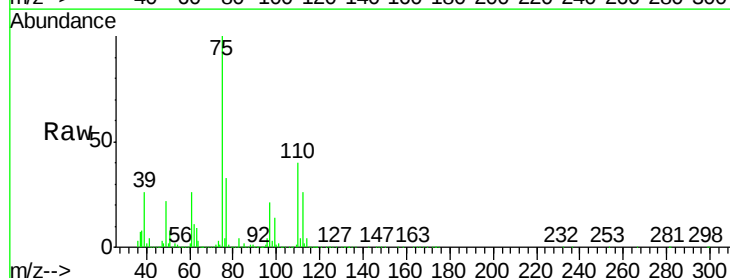
RT: 11.30 min Scan# 1664

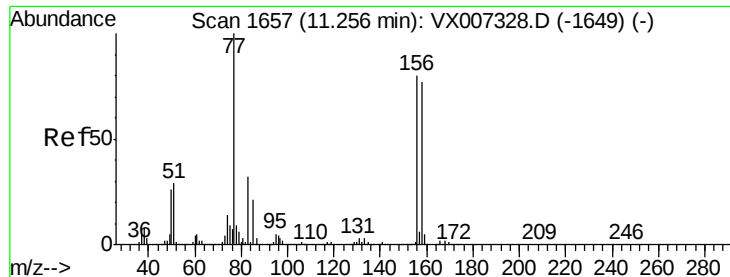
Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Tgt Ion:	75	Resp:	295205
Ion Ratio	Lower	Upper	
75	100		
77	42.1	23.0	69.0





#77

Bromobenzene

Concen: 43.814 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

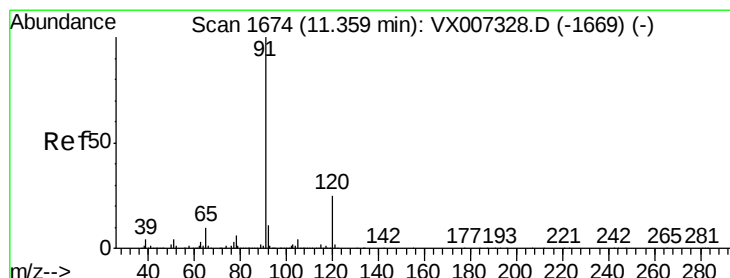
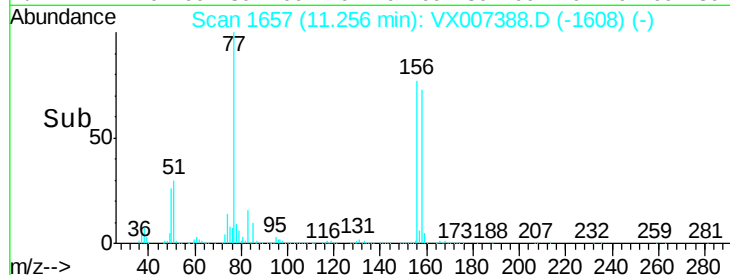
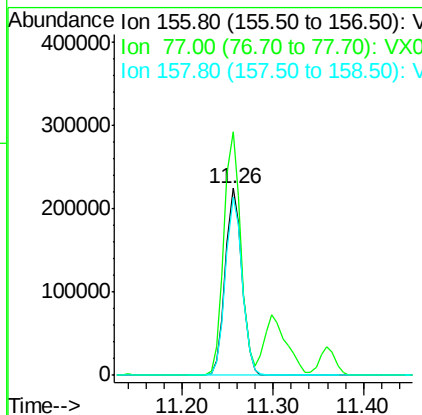
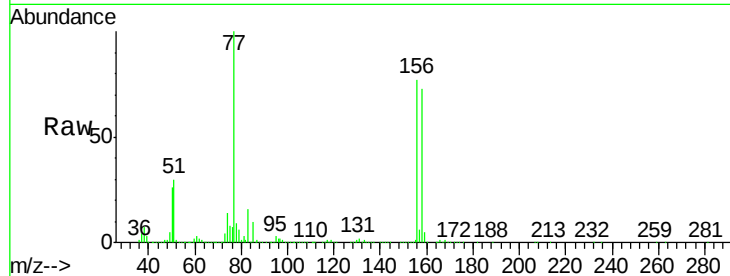
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	289731
Ion Ratio	Lower	Upper	
156	100		
77	132.1	66.8	200.6
158	95.9	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 44.742 ug/l

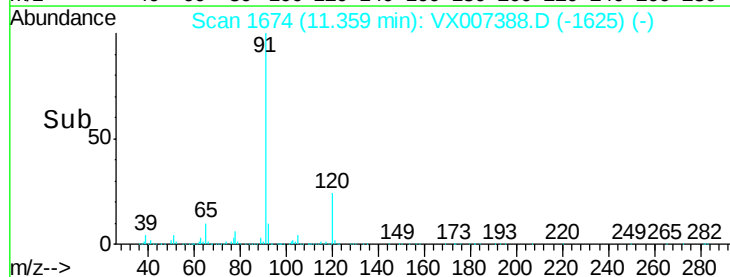
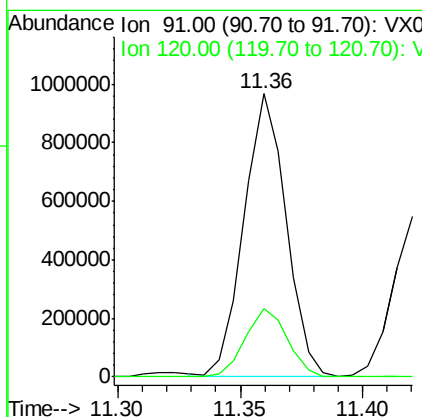
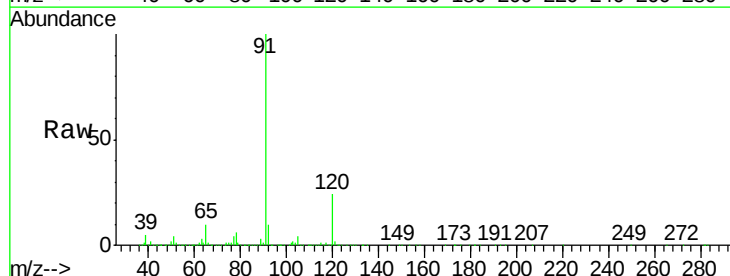
RT: 11.36 min Scan# 1674

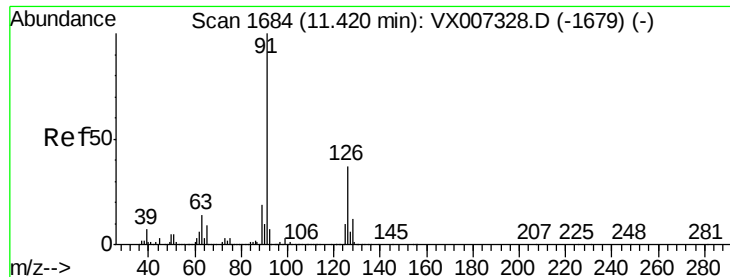
Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Tgt Ion:	91	Resp:	1151463
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.4	37.2





#79

2-Chlorotoluene

Concen: 44.421 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 693673

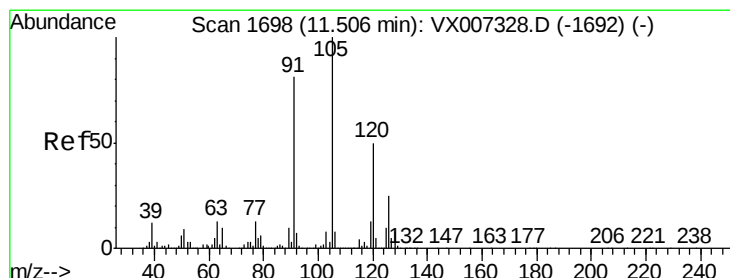
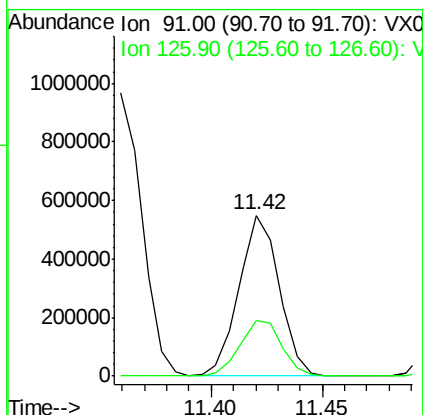
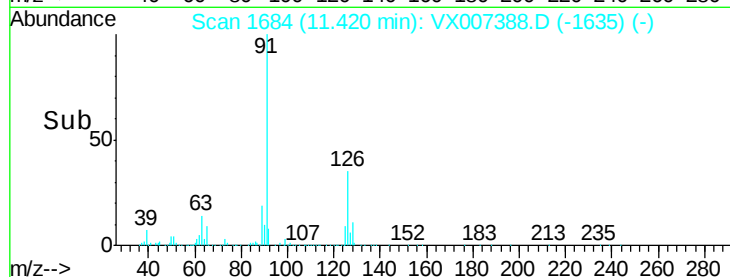
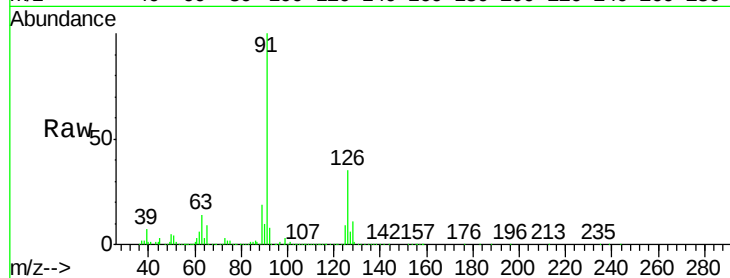
Ion Ratio Lower Upper

91 100

126 36.3 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 45.279 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007388.D

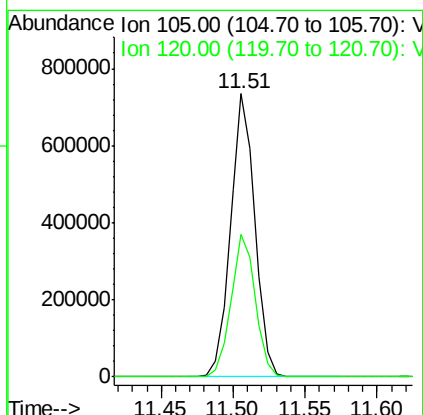
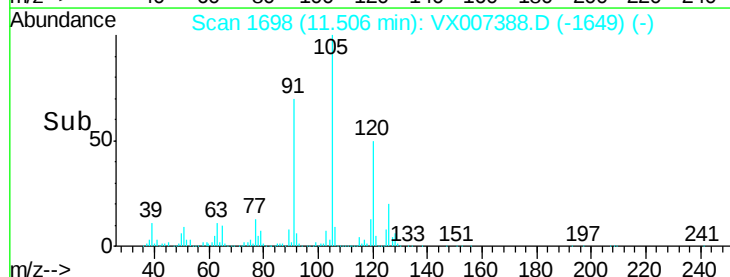
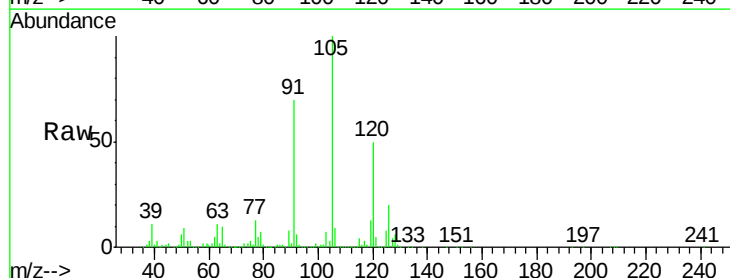
Acq: 05 Feb 2019 20:18

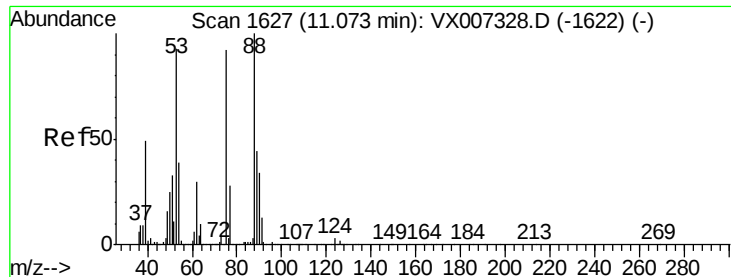
Tgt Ion: 105 Resp: 869411

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.8





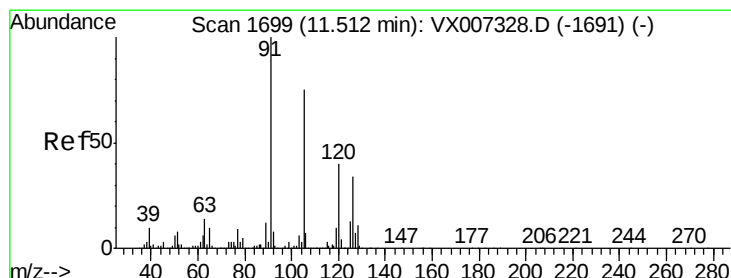
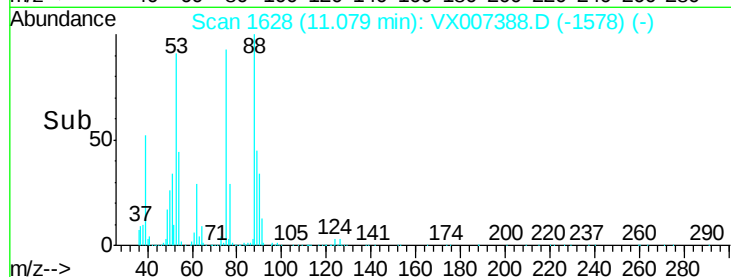
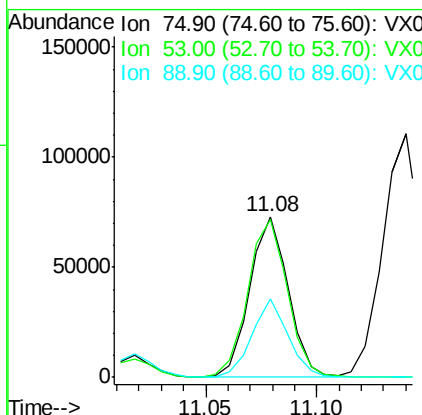
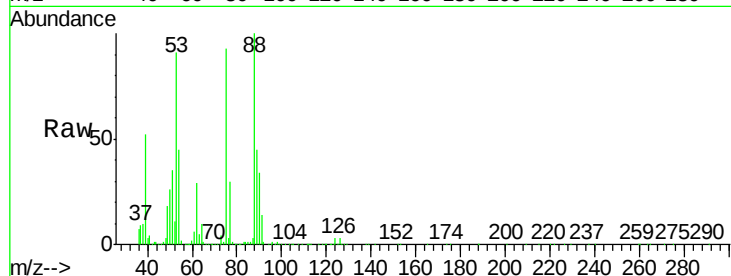
#81
trans-1,4-Dichloro-2-butene
Concen: 41.201 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	81.0	121.6
89	46.0	41.4	62.0

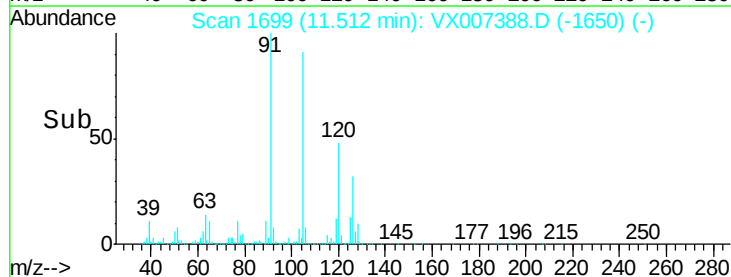
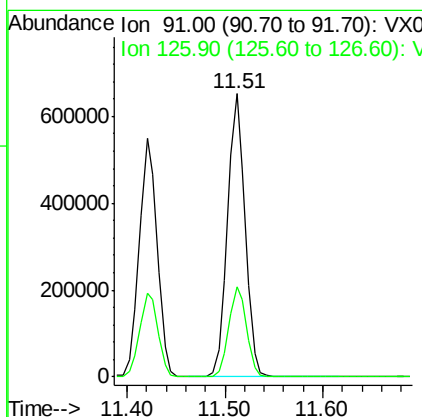
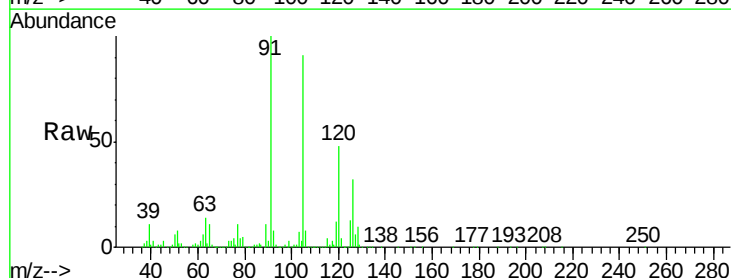
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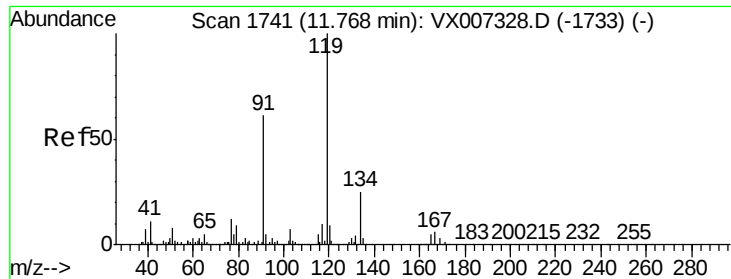
MMDadoda
2/6/2019 9:30:03 AM



#82
4-Chlorotoluene
Concen: 45.036 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





#83

tert-Butylbenzene

Concen: 46.859 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

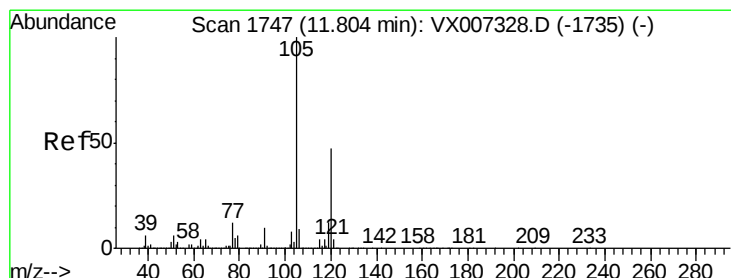
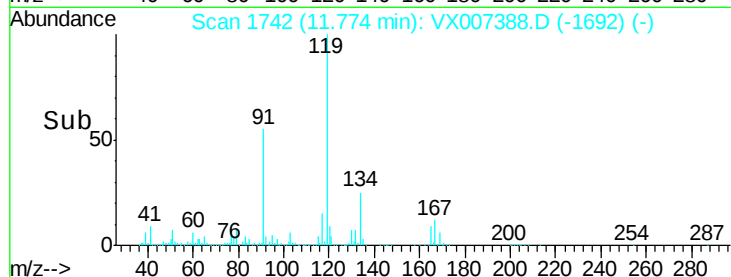
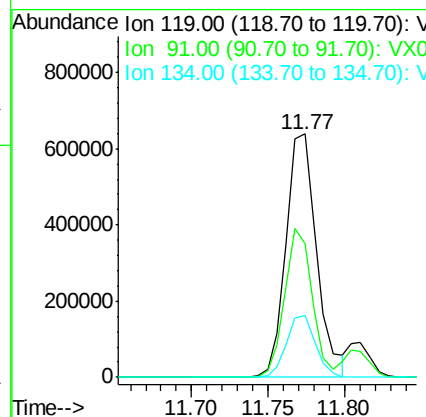
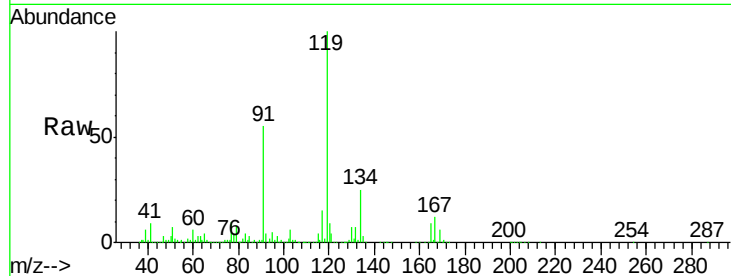
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	890792
Ion Ratio	Lower	Upper	
119	100		
91	54.8	28.5	85.6
134	24.1	12.0	36.0

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#84

1,2,4-Trimethylbenzene

Concen: 46.252 ug/l

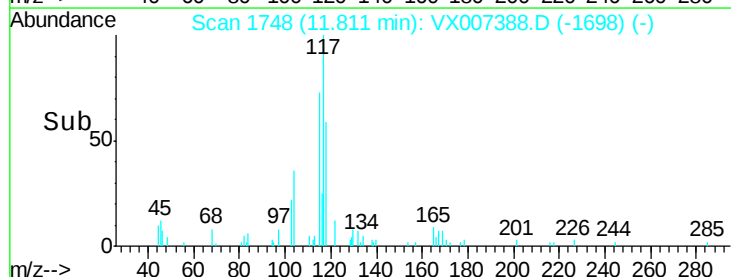
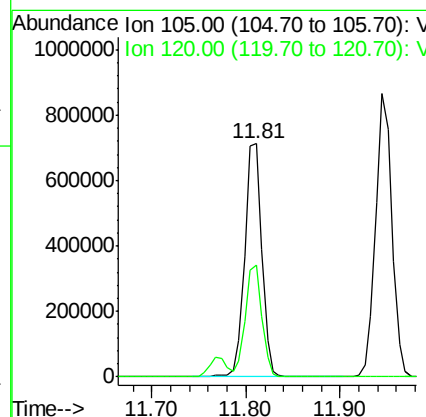
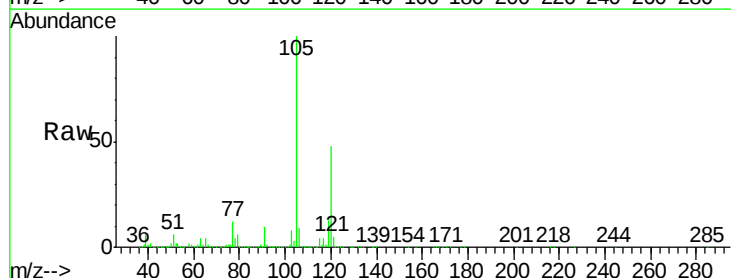
RT: 11.81 min Scan# 1748

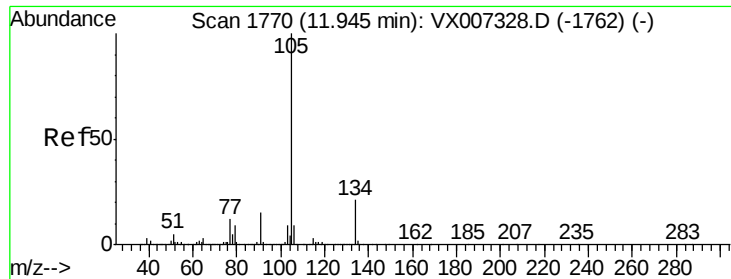
Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Tgt Ion:	105	Resp:	901611
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 45.485 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1046527

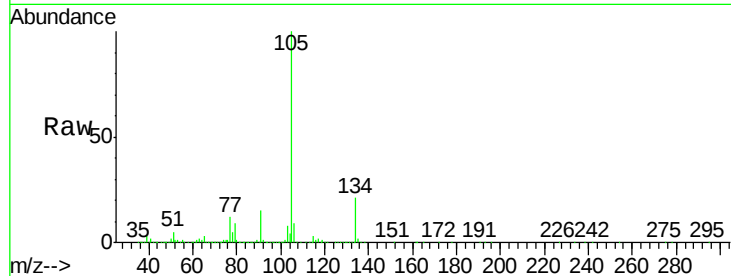
Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8

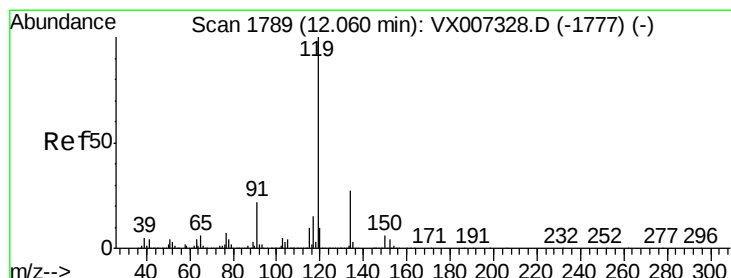
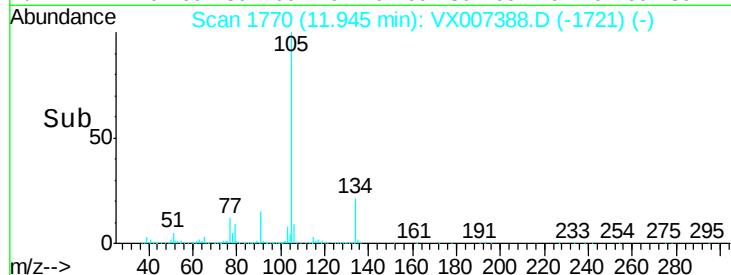
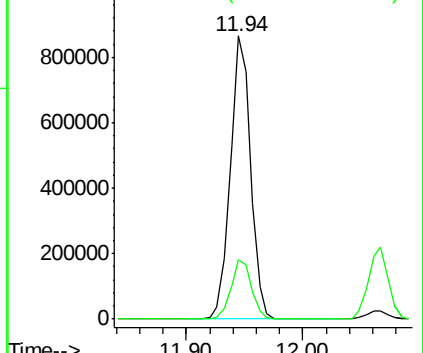
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.221 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

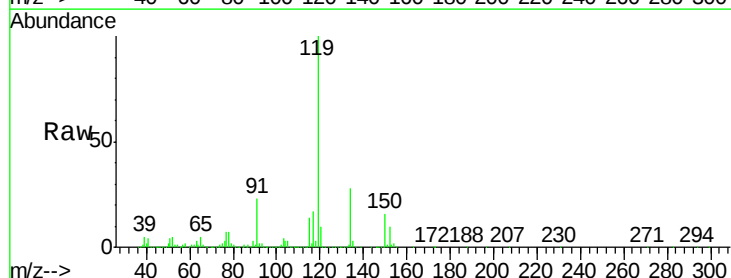
Tgt Ion:119 Resp: 939215

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

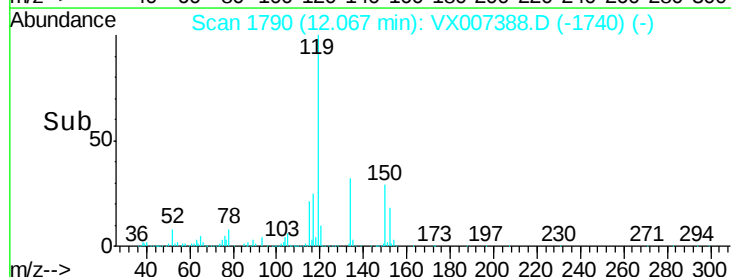
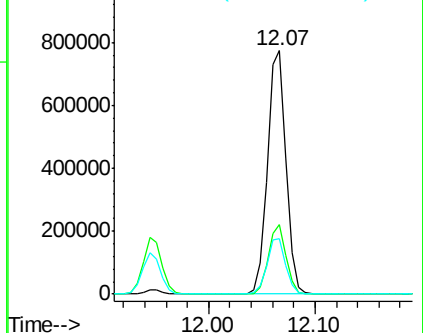
91 22.8 11.2 33.5

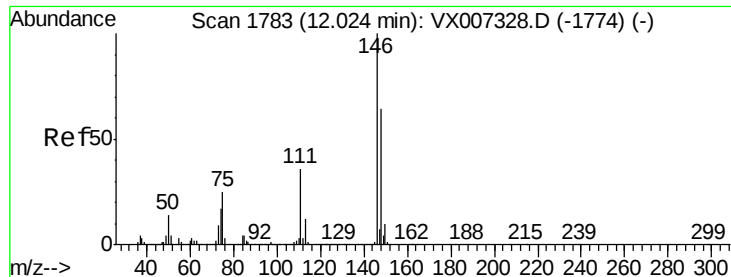


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





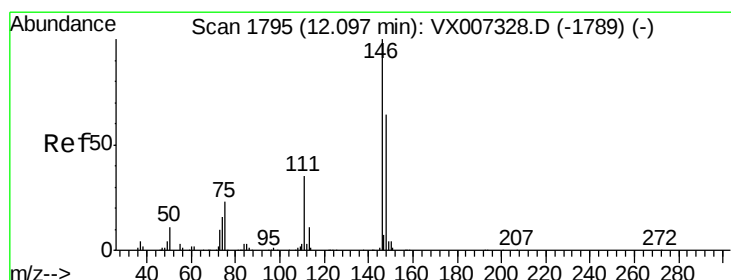
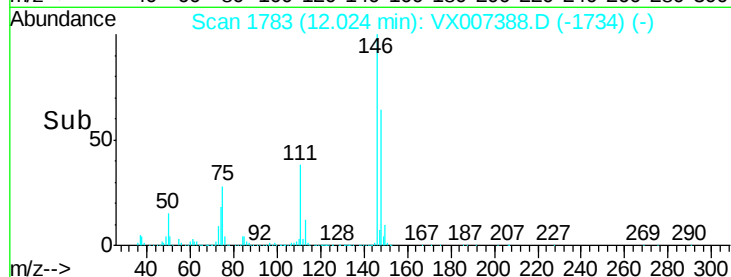
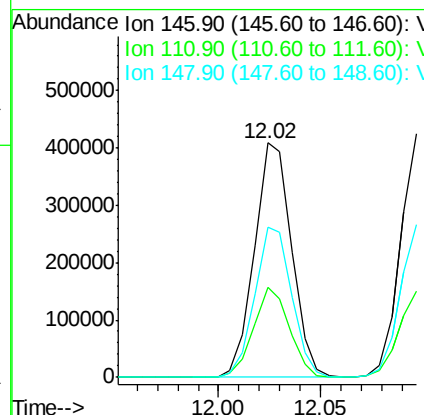
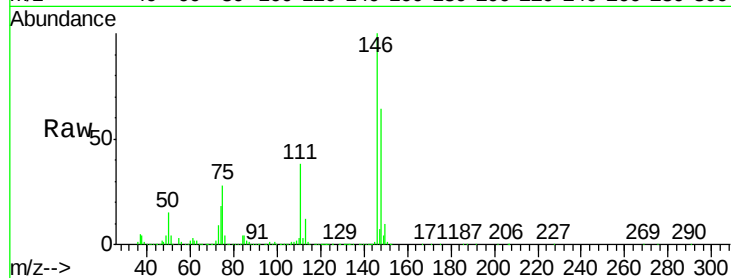
#87
 1,3-Dichlorobenzene
 Concen: 43.817 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	63.8	32.0	96.2

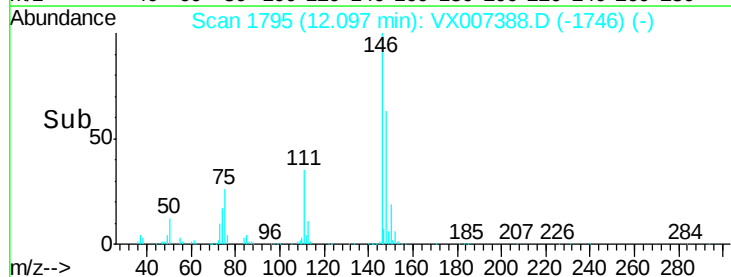
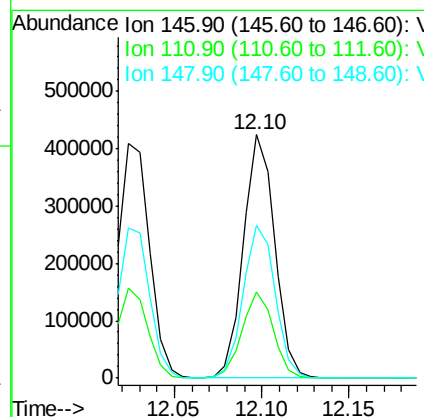
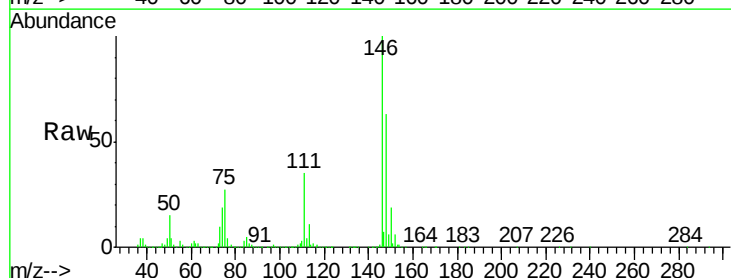
Manual Integrations
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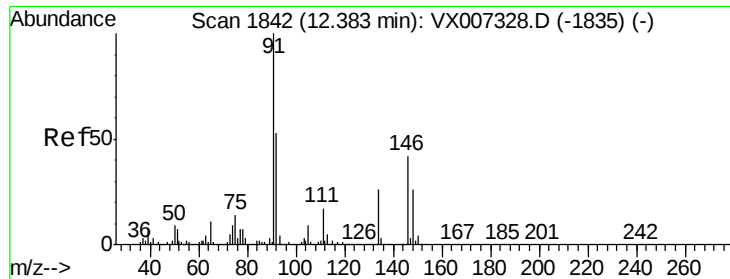
MMDadoda
 2/6/2019 9:30:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 43.766 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.1
148	64.3	32.3	96.9





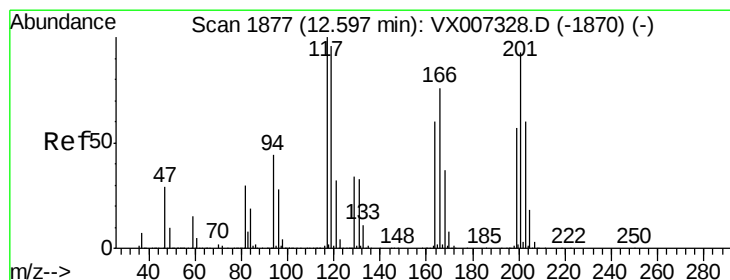
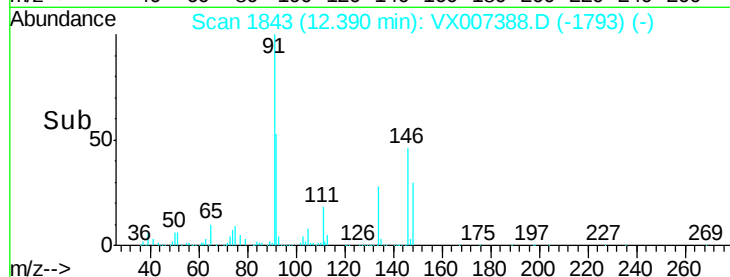
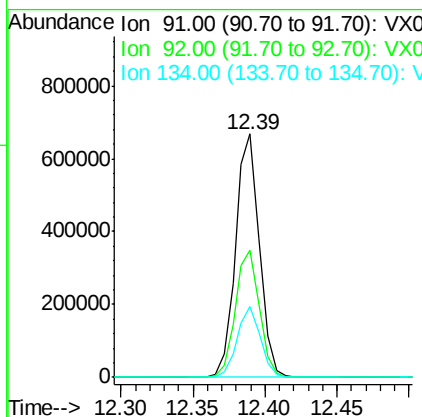
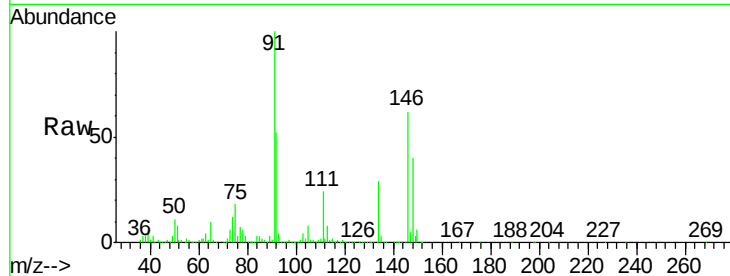
#89
n-Butylbenzene
Concen: 43.030 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	28.3	13.9	41.6

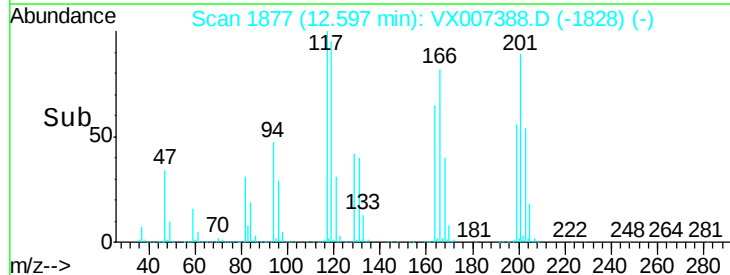
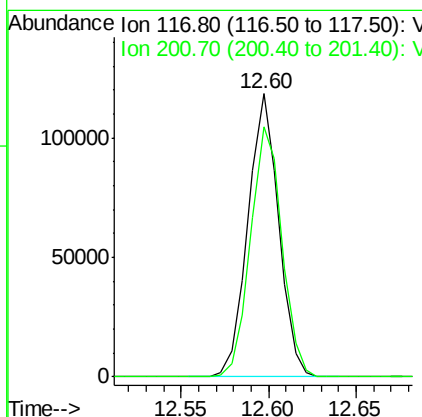
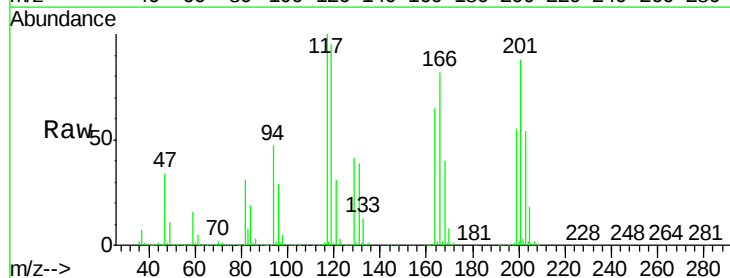
Manual Integrations
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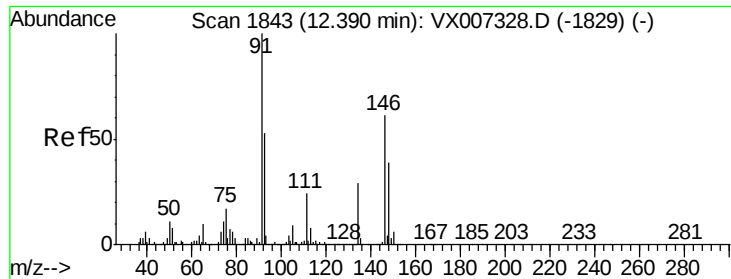
MMDadoda
2/6/2019 9:30:03 AM



#90
Hexachloroethane
Concen: 46.716 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007388.D
Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	44.9	134.7





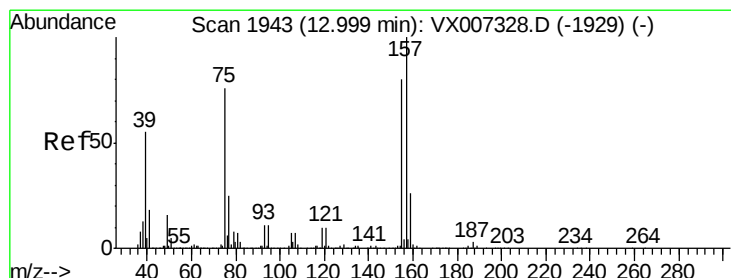
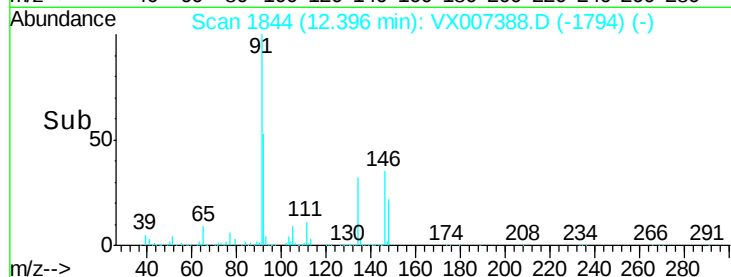
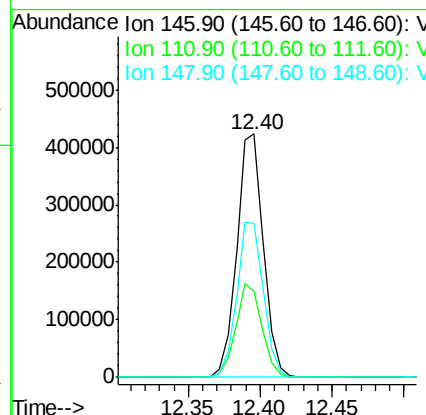
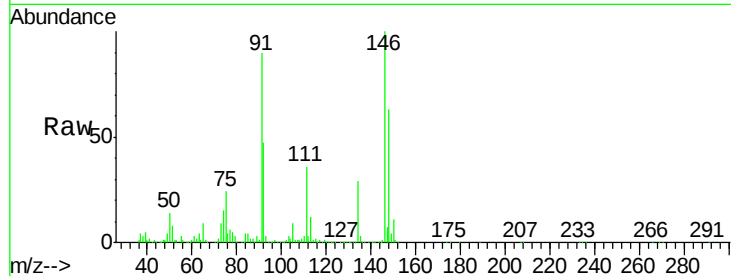
#91
 1,2-Dichlorobenzene
 Concen: 46.094 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	64.3	32.1	96.3

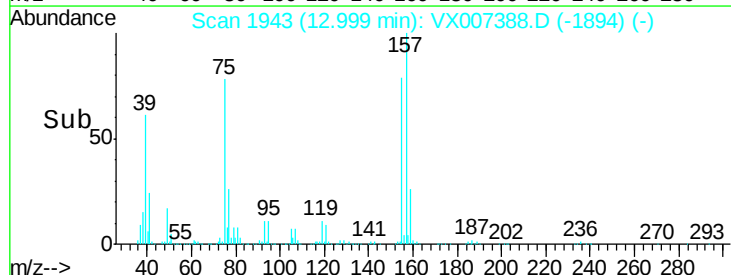
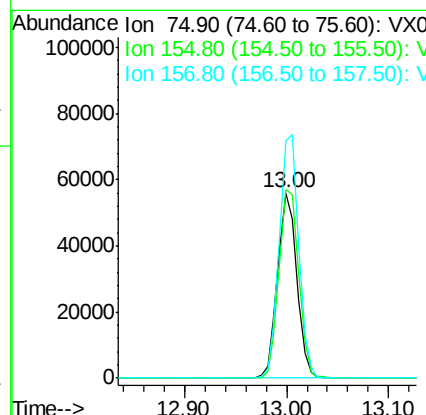
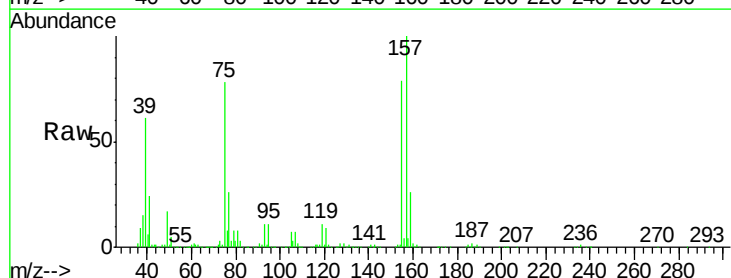
Manual Integrations
 APPROVED

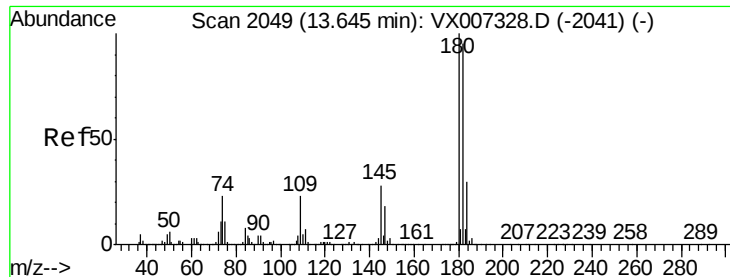
MMDadoda
 2/6/2019 9:30:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.629 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.6	49.6	149.0
157	132.8	65.1	195.3





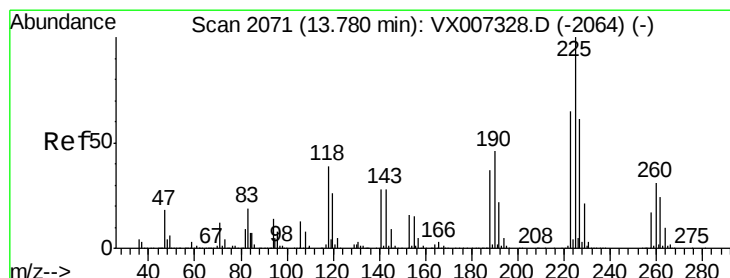
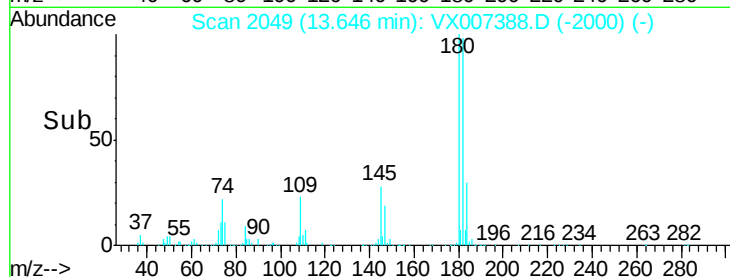
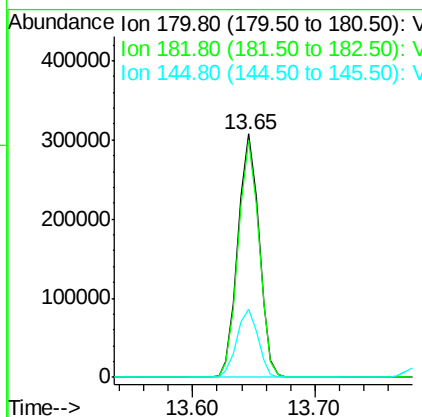
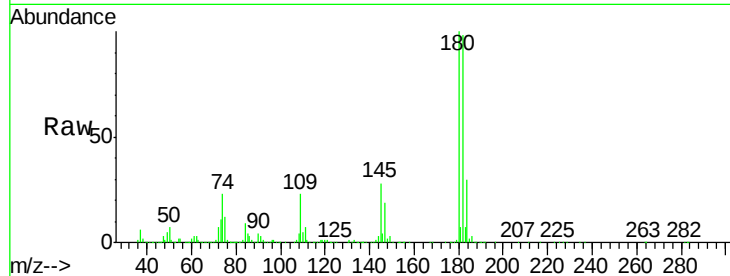
#93
 1,2,4-Trichlorobenzene
 Concen: 45.910 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	365664
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.3
145	28.3	14.1	42.2

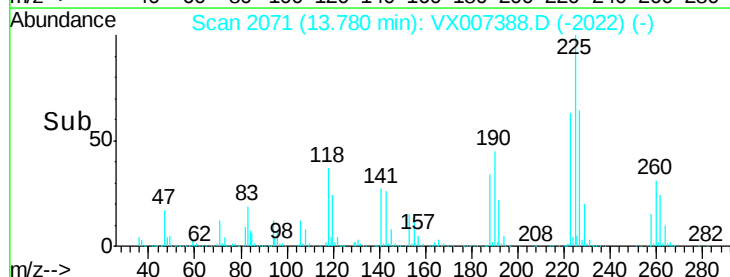
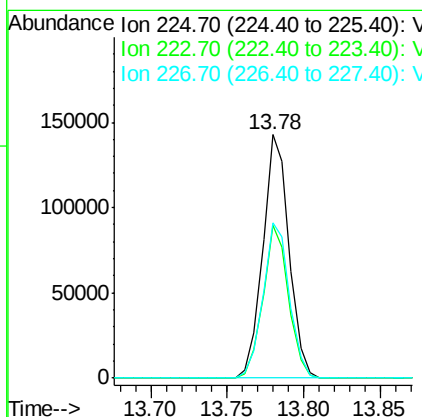
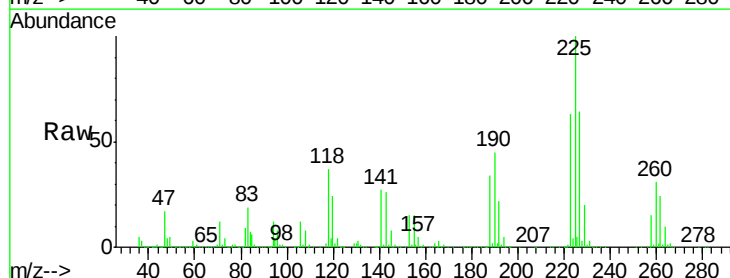
Manual Integrations
 APPROVED

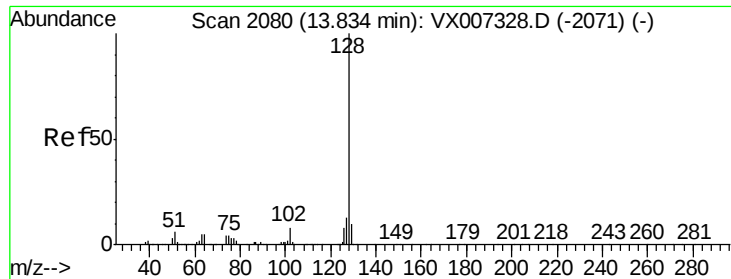
MMDadoda
 2/6/2019 9:30:03 AM



#94
 Hexachlorobutadiene
 Concen: 44.129 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007388.D
 Acq: 05 Feb 2019 20:18

Tgt Ion:	225	Resp:	170670
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.6	94.8
227	64.3	32.1	96.3





#95

Naphthalene

Concen: 50.201 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1169274

Ion Ratio Lower Upper

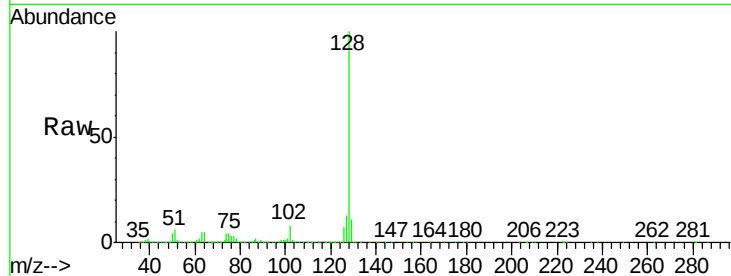
128 100

127 13.0 10.5 15.7

129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
2/6/2019 9:30:03 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

1200000

1000000

800000

600000

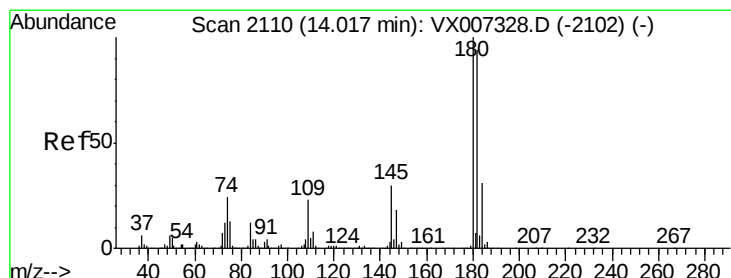
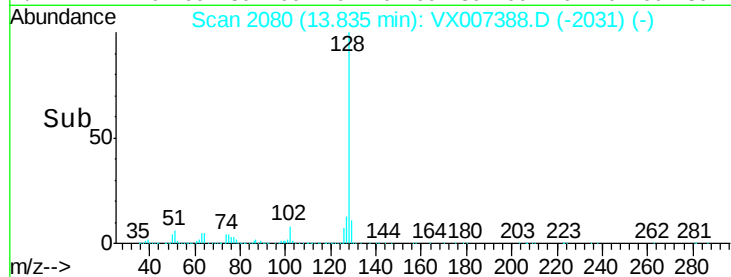
400000

200000

0

13.80 13.90

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 47.493 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007388.D

Acq: 05 Feb 2019 20:18

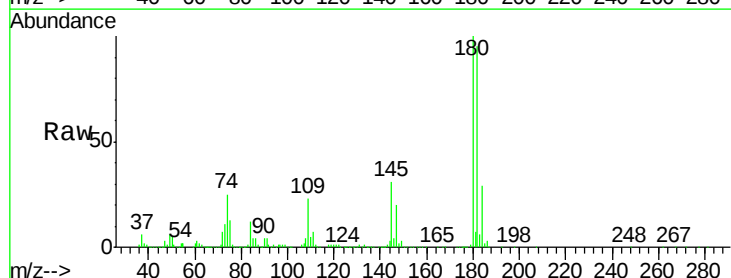
Tgt Ion:180 Resp: 380770

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 30.0 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

400000

300000

200000

100000

0

14.00 14.10

Time-->

