

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021519\
 Data File : VX007558.D
 Acq On : 14 Feb 2019 20:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:10:32 AM

Quant Time: Feb 15 03:44:25 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	5.67	168	473426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	708411	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	657572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	344432	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	250932	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	5.50	113	224447	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.71	98	824643	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.13	95	308680	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	278936	47.954	ug/l	99
3) Chloromethane	1.33	50	266109	49.904	ug/l	99
4) Vinyl Chloride	1.41	62	287051	54.872	ug/l	99
5) Bromomethane	1.64	94	153173	29.410	ug/l	98
6) Chloroethane	1.72	64	192058	56.753	ug/l	100
7) Trichlorofluoromethane	1.93	101	449805	54.964	ug/l	97
8) Diethyl Ether	2.19	74	169601	55.062	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	243064	49.933	ug/l	98
10) Methyl Iodide	2.51	142	245374	34.266	ug/l	99
11) Tert butyl alcohol	3.07	59	326020	313.501	ug/l	98
12) 1,1-Dichloroethene	2.38	96	228879	50.634	ug/l	99
13) Acrolein	2.30	56	122698	251.609	ug/l	96
14) Allyl chloride	2.73	41	420656	57.114	ug/l	98
15) Acrylonitrile	3.15	53	741890	288.383	ug/l	100
16) Acetone	2.45	43	679118	295.033	ug/l	98
17) Carbon Disulfide	2.57	76	549103	46.605	ug/l	99
18) Methyl Acetate	2.78	43	410999	68.309	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	828069	56.545	ug/l	100
20) Methylene Chloride	2.86	84	256030	54.490	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	236919	49.202	ug/l	96
22) Diisopropyl ether	3.87	45	714063	52.707	ug/l	95
23) Vinyl Acetate	3.82	43	2981427	265.198	ug/l	100
24) 1,1-Dichloroethane	3.70	63	383951	49.350	ug/l	99
25) 2-Butanone	4.70	43	883872	269.819	ug/l	97
26) 2,2-Dichloropropane	4.59	77	265281	44.773	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	245732	46.722	ug/l	98
28) Bromochloromethane	5.02	49	173784	48.572	ug/l	95
29) Tetrahydrofuran	5.15	42	573267	278.252	ug/l	99
30) Chloroform	5.21	83	407654	50.213	ug/l	99
31) Cyclohexane	5.57	56	322202	46.110	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	348871	50.909	ug/l	99
36) 1,1-Dichloropropene	5.80	75	279707	44.006	ug/l	99
37) Ethyl Acetate	4.85	43	329167	51.230	ug/l	99
38) Carbon Tetrachloride	5.78	117	300928	48.801	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	336007	43.692	ug/l	99
40) Benzene	6.14	78	889164	47.490	ug/l	98
41) Methacrylonitrile	5.06	41	185279	53.803	ug/l	99
42) 1,2-Dichloroethane	6.20	62	311285	48.052	ug/l	100
43) Isopropyl Acetate	6.46	43	535461	53.991	ug/l	100
44) Trichloroethene	7.21	130	252313	44.744	ug/l	97
45) 1,2-Dichloropropane	7.51	63	229122	48.841	ug/l	100
46) Dibromomethane	7.66	93	161402	47.338	ug/l	98
47) Bromodichloromethane	7.90	83	289052	50.023	ug/l	98
48) Methyl methacrylate	7.77	41	273593	55.152	ug/l	98
49) 1,4-Dioxane	7.75	88	119370	1057.701	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1775174	271.902	ug/l	100
52) Toluene	8.79	92	573869	47.505	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	321831	51.851	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	348809	51.102	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	244545	48.564	ug/l	98
56) Ethyl methacrylate	9.18	69	369864	53.033	ug/l	99
57) 1,3-Dichloropropane	9.37	76	387499	48.390	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	957050	260.352	ug/l	100
59) 2-Hexanone	9.49	43	1351668	266.053	ug/l	100
60) Dibromochloromethane	9.58	129	257794	54.131	ug/l	99
61) 1,2-Dibromoethane	9.67	107	262066	49.144	ug/l	99
64) Tetrachloroethene	9.34	164	254259	41.024	ug/l	99
65) Chlorobenzene	10.14	112	660312	46.016	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	246135	51.161	ug/l	99
67) Ethyl Benzene	10.25	91	1156098	50.030	ug/l	100
68) m/p-Xylenes	10.36	106	871005	94.821	ug/l	97
69) o-Xylene	10.70	106	430326	48.685	ug/l	96
70) Styrene	10.71	104	702615	49.015	ug/l	98
71) Bromoform	10.86	173	197679	47.102	ug/l #	99
73) Isopropylbenzene	11.02	105	1174844	50.194	ug/l	100
74) N-amyl acetate	10.90	43	494226	54.591	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	371873	52.133	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	348485m	52.016	ug/l	
77) Bromobenzene	11.26	156	310912	47.145	ug/l	97
78) n-propylbenzene	11.36	91	1322371	51.522	ug/l	98
79) 2-Chlorotoluene	11.42	91	764027	49.059	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	968915	50.599	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	100912	46.848	ug/l	98
82) 4-Chlorotoluene	11.51	91	900812	49.988	ug/l	98
83) tert-Butylbenzene	11.77	119	945978	49.897	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	998212	51.347	ug/l	98
85) sec-Butylbenzene	11.94	105	1154659	50.321	ug/l	100
86) p-Isopropyltoluene	12.06	119	1034580	49.948	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	551789	46.622	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	550418	45.839	ug/l	100
89) n-Butylbenzene	12.38	91	881808	49.489	ug/l	100
90) Hexachloroethane	12.60	117	166817	53.812	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	547567	46.489	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	80745	54.439	ug/l	96

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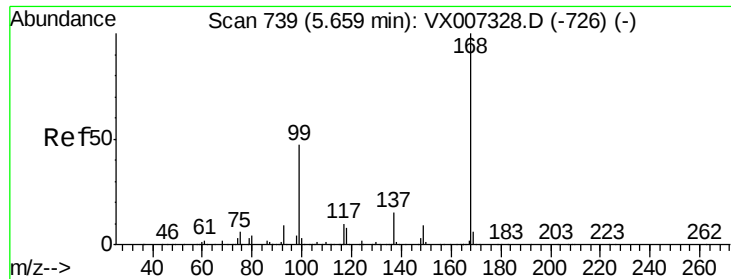
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	370786	46.679	ug/l	100
94) Hexachlorobutadiene	13.78	225	179134	46.443	ug/l	99
95) Naphthalene	13.83	128	1189202	51.195	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	368353	46.069	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 473426

Ion Ratio Lower Upper

168 100

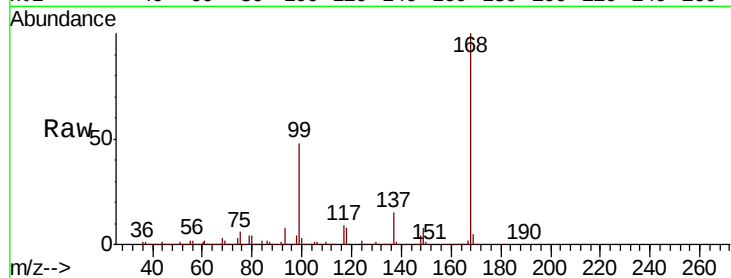
99 47.4 37.9 56.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

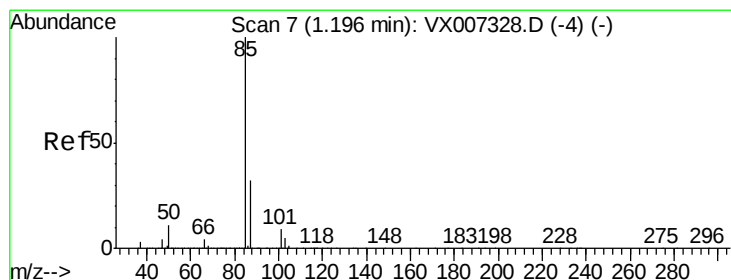
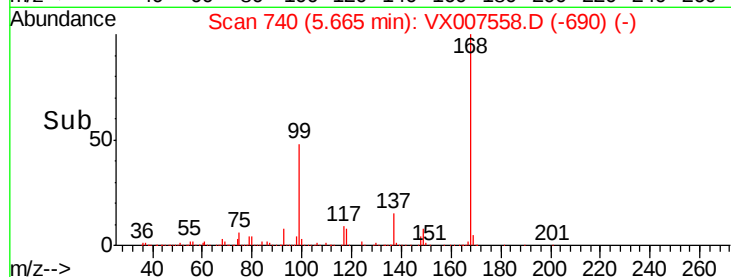
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.954 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007558.D

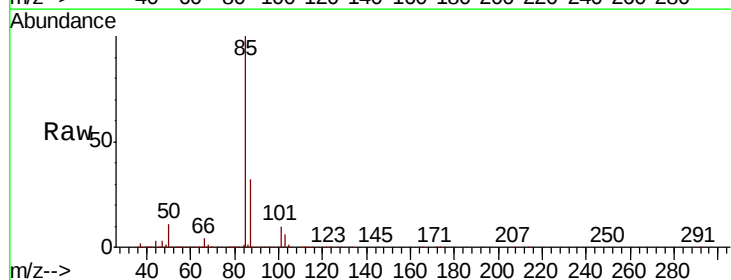
Acq: 14 Feb 2019 20:48

Tgt Ion: 85 Resp: 278936

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

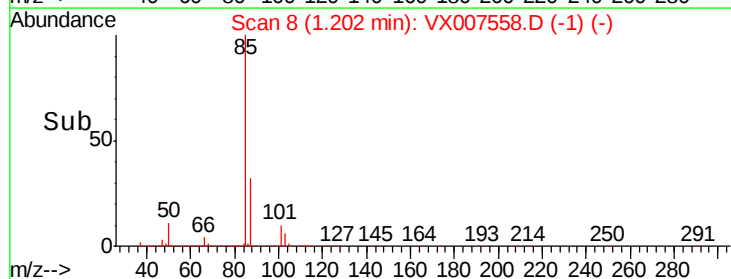
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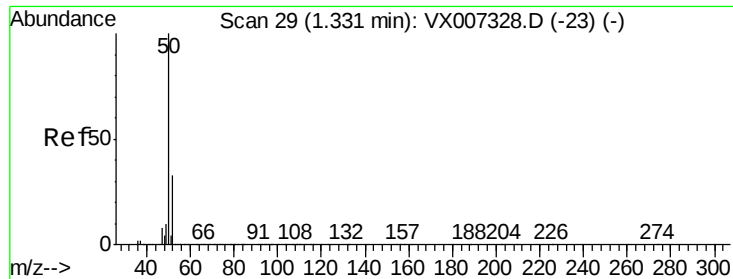
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50000

0

Time-->





#3

Chloromethane

Concen: 49.904 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 266109

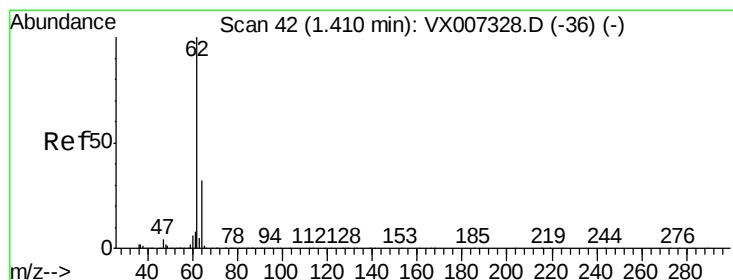
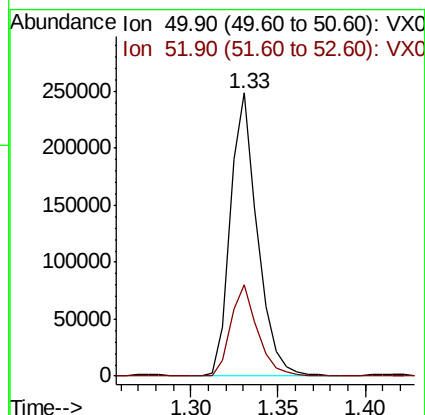
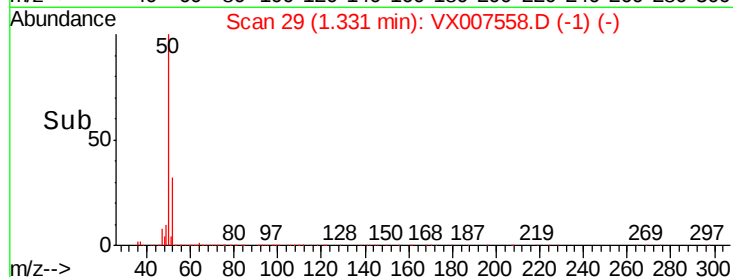
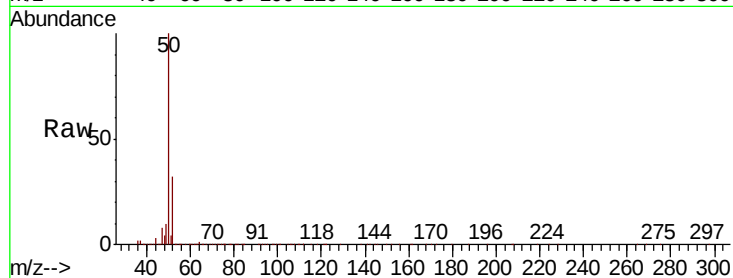
Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1

Manual Integrations
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2/15/2019 10:10:32 AM



#4

Vinyl Chloride

Concen: 54.872 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007558.D

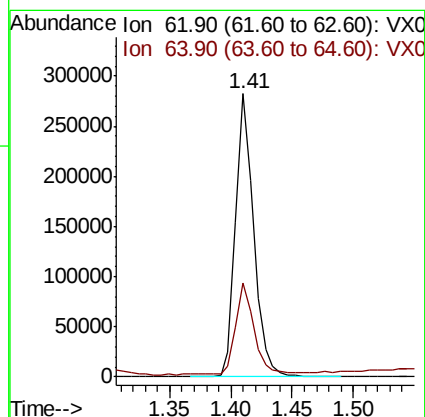
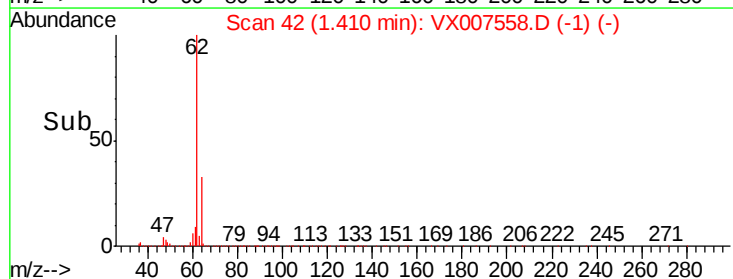
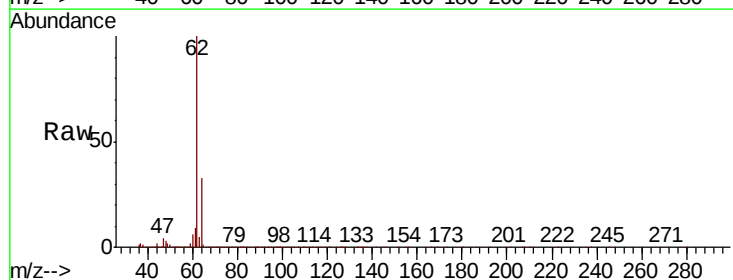
Acq: 14 Feb 2019 20:48

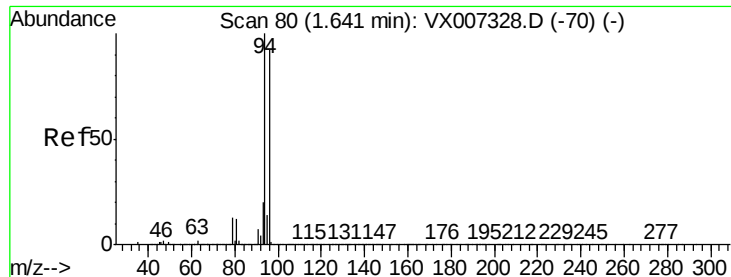
Tgt Ion: 62 Resp: 287051

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 29.410 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 153173

Ion Ratio Lower Upper

94 100

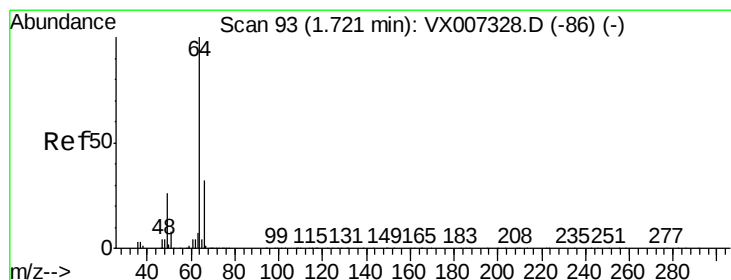
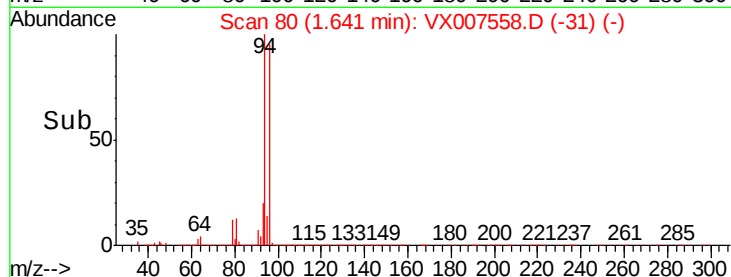
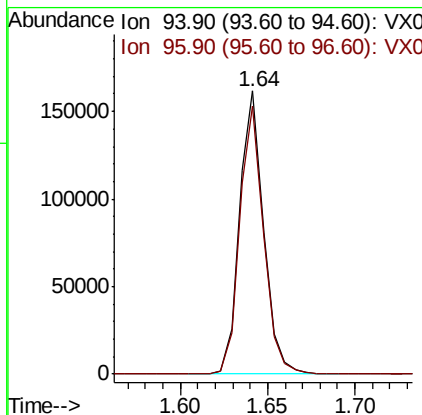
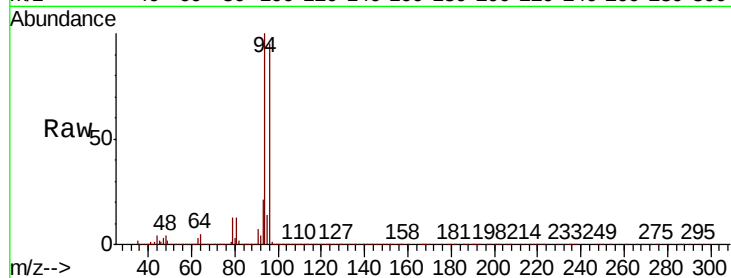
96 94.7 73.9 110.9

Manual Integrations

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2/15/2019 10:10:32 AM



#6

Chloroethane

Concen: 56.753 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007558.D

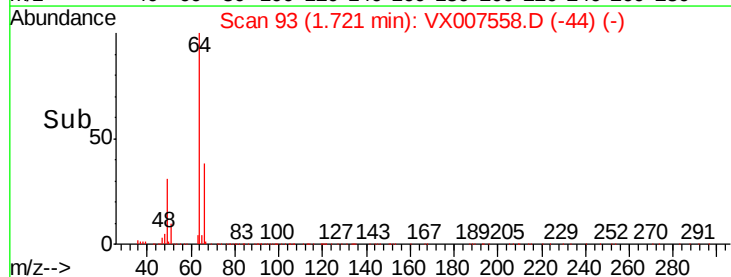
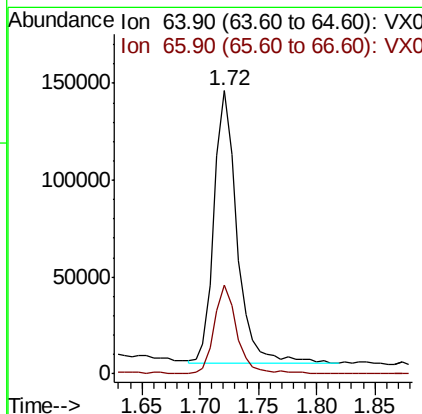
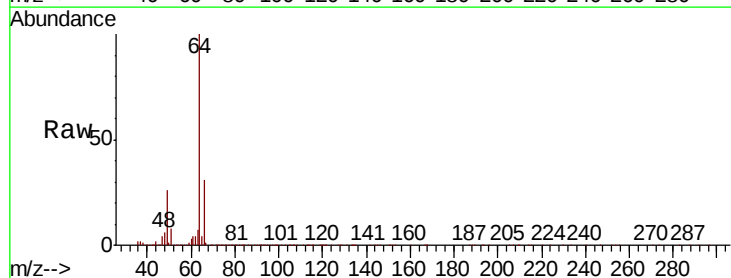
Acq: 14 Feb 2019 20:48

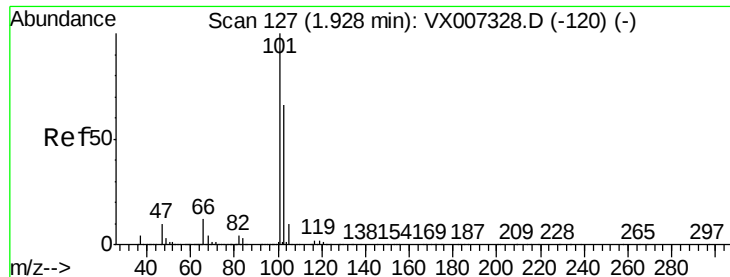
Tgt Ion: 64 Resp: 192058

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

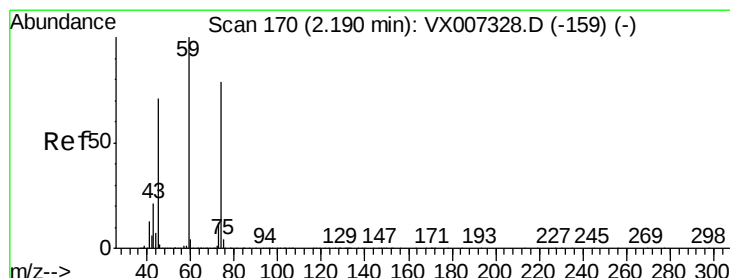
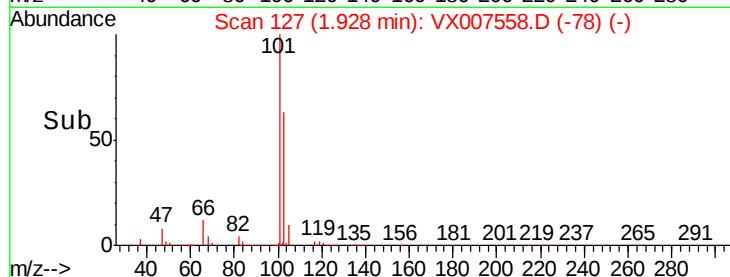
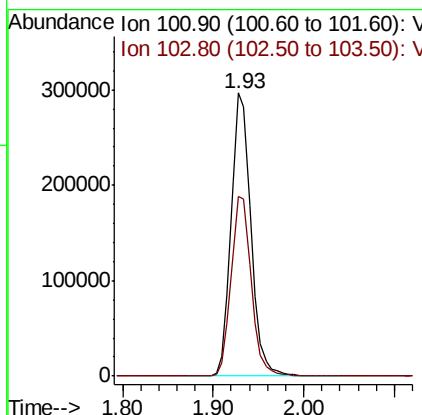
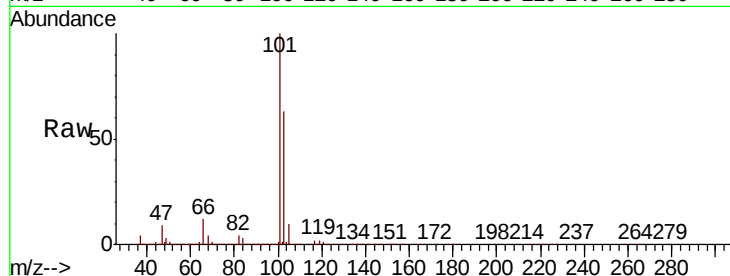
Trichlorofluoromethane
 Concen: 54.964 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX007558.D
 Acq: 14 Feb 2019 20:48

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	63.4	52.6	79.0	

Manual Integrations
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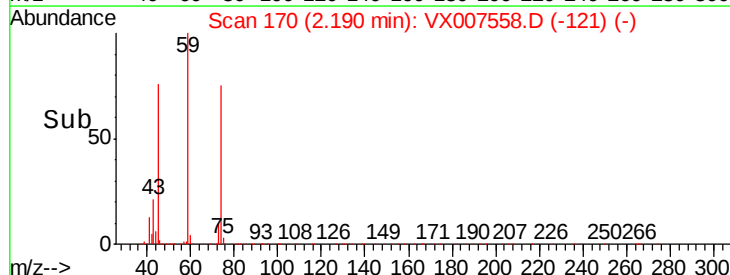
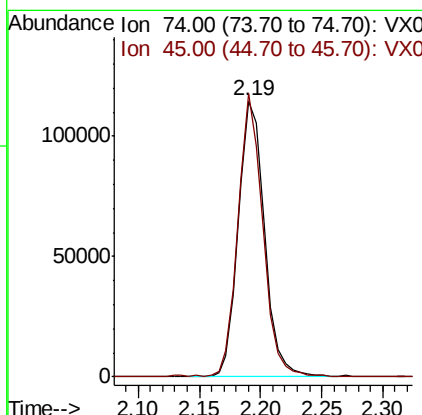
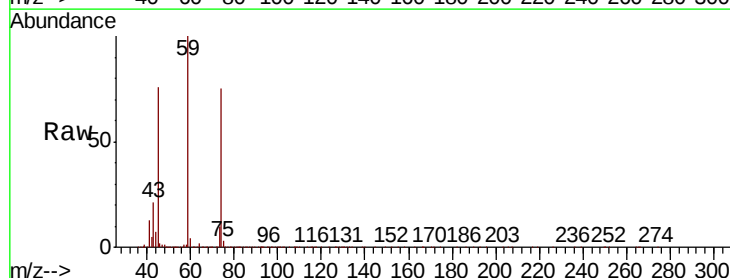
MMDadoda
 2/15/2019 10:10:32 AM

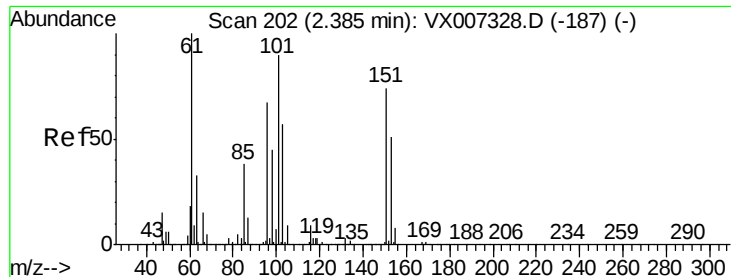


#8

Diethyl Ether
 Concen: 55.062 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX007558.D
 Acq: 14 Feb 2019 20:48

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	96.7	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.933 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

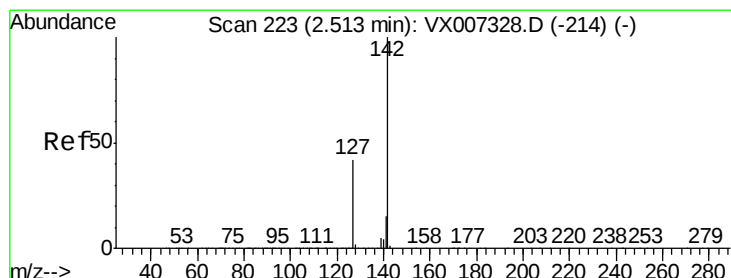
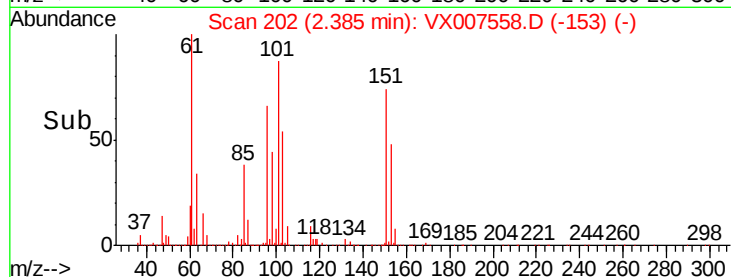
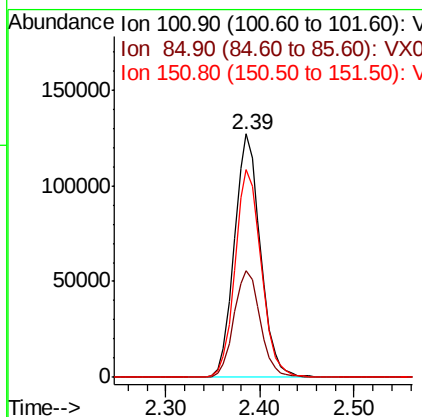
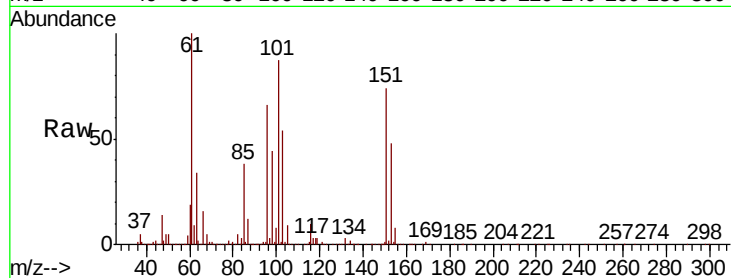
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	243064
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.1	51.1
151	86.1	69.9	104.9

Manual Integrations
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2/15/2019 10:10:32 AM



#10

Methyl Iodide

Concen: 34.266 ug/l

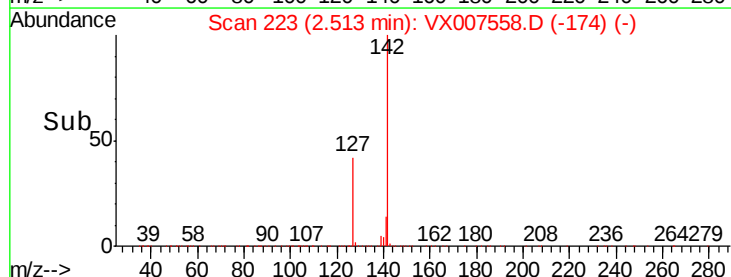
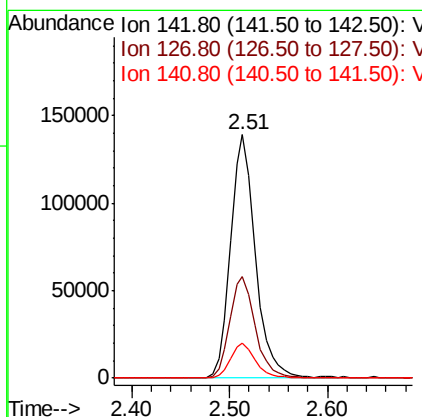
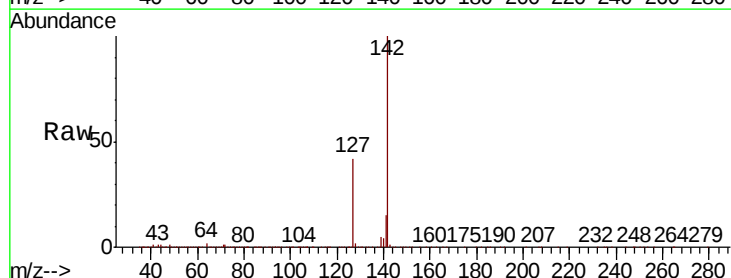
RT: 2.51 min Scan# 223

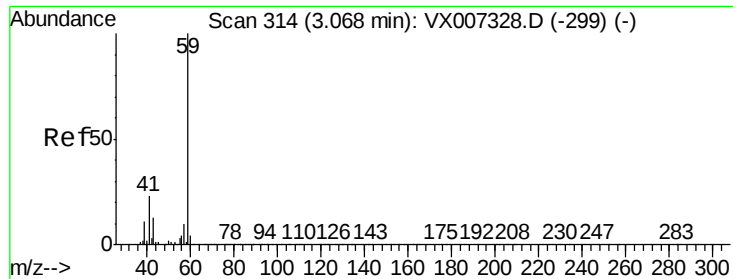
Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Tgt Ion:	142	Resp:	245374
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.7	50.5
141	14.2	11.3	16.9





#11

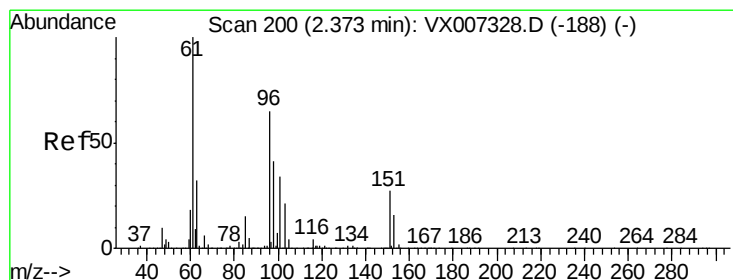
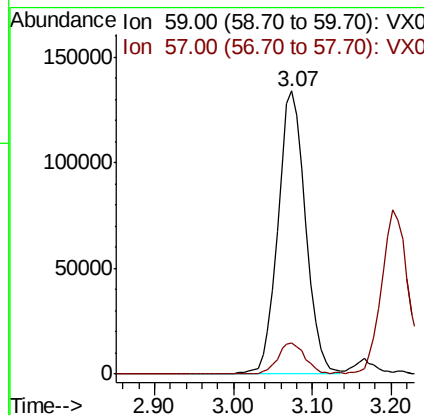
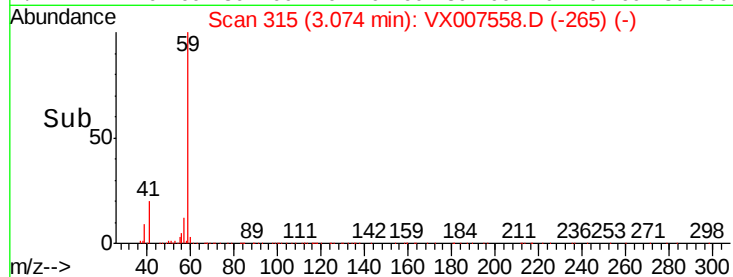
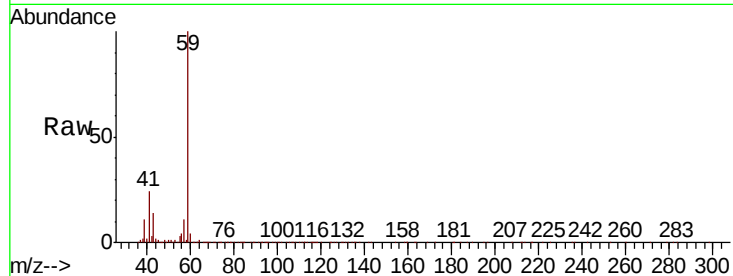
Tert butyl alcohol
Concen: 313.501 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.7	8.1	12.1

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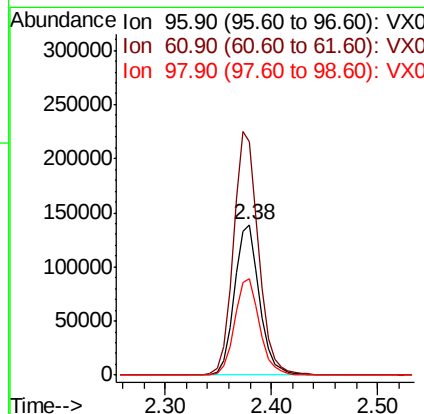
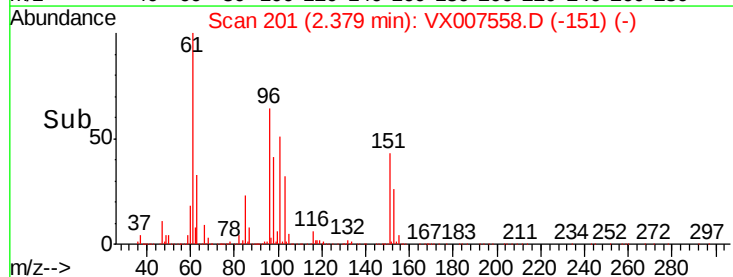
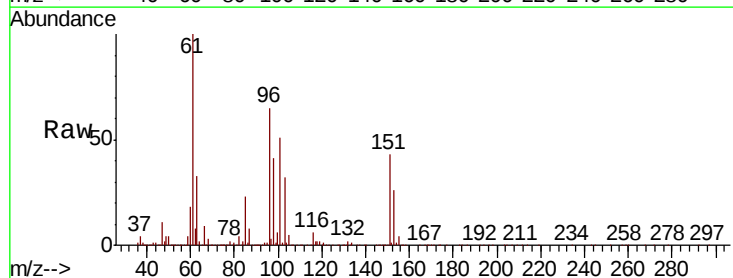
MMDadoda
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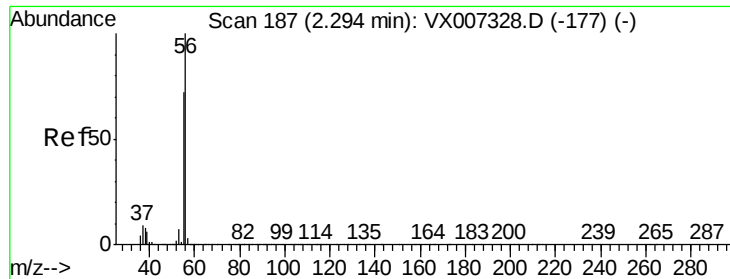


#12

1,1-Dichloroethene
Concen: 50.634 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	154.9	123.0	184.4
98	98	64.0	50.9	76.3





#13

Acrolein

Concen: 251.609 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 122698

Ion Ratio Lower Upper

56 100

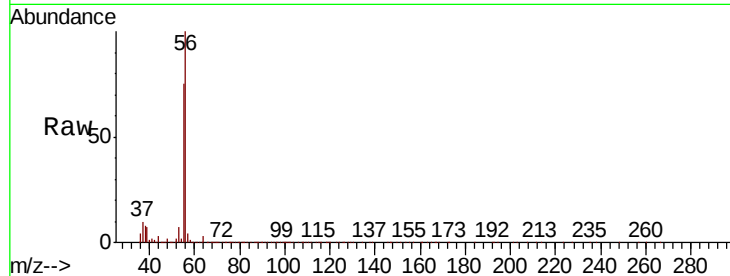
55 74.2 56.9 85.3

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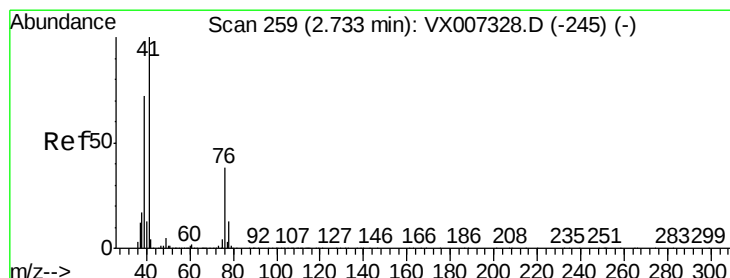
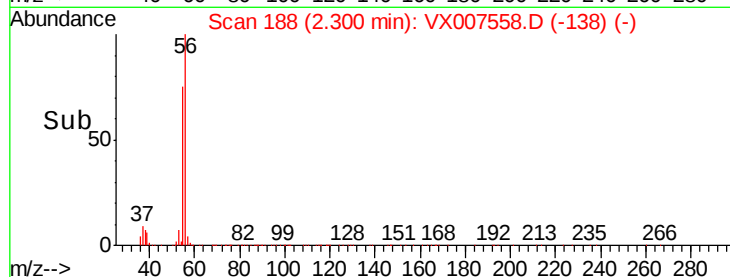
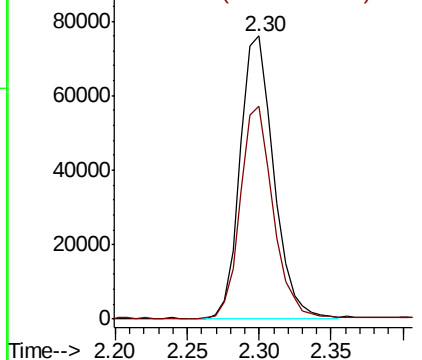
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 57.114 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

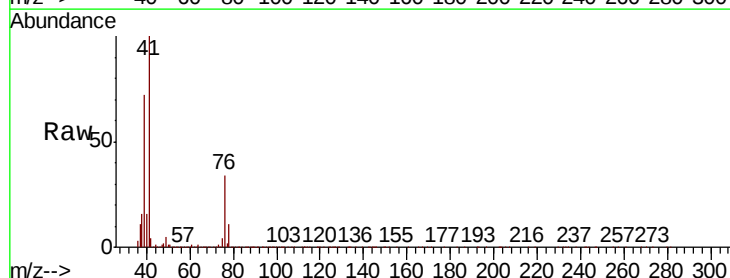
Tgt Ion: 41 Resp: 420656

Ion Ratio Lower Upper

41 100

39 67.6 54.1 81.1

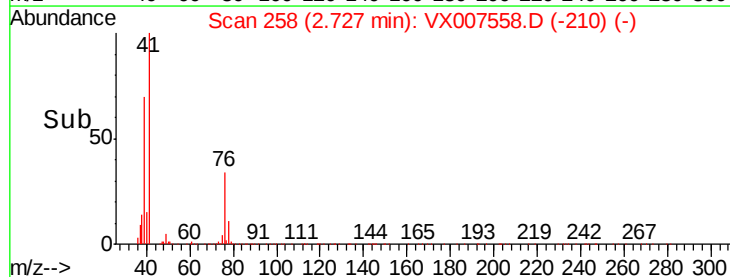
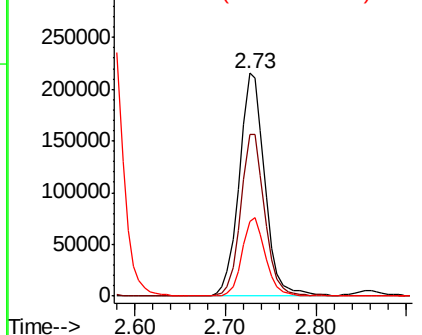
76 32.1 27.8 41.8

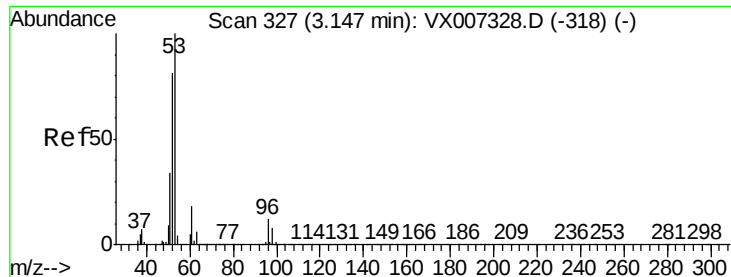


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 288.383 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

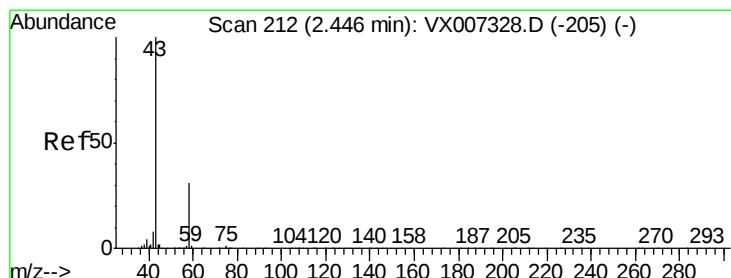
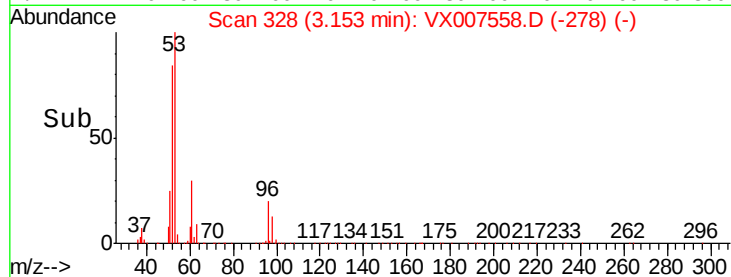
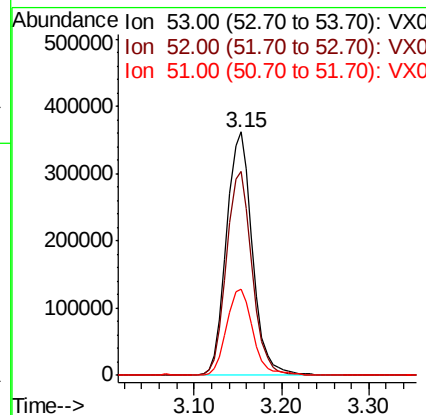
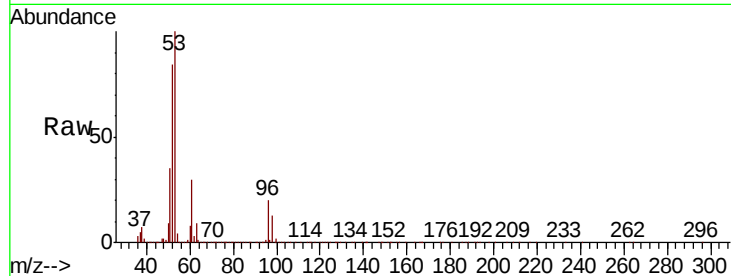
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	741890
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.4	99.6
51	36.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 295.033 ug/l

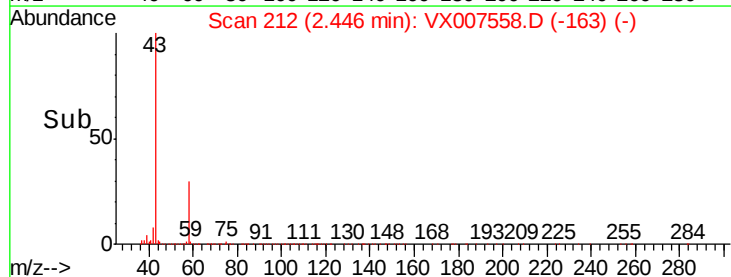
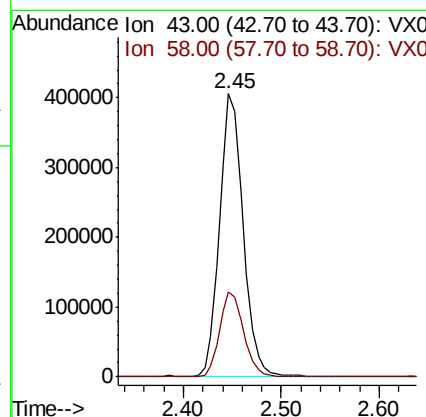
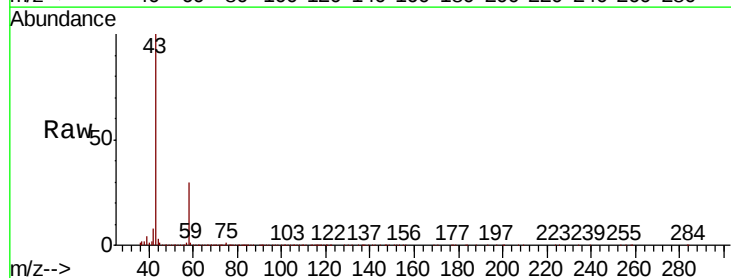
RT: 2.45 min Scan# 212

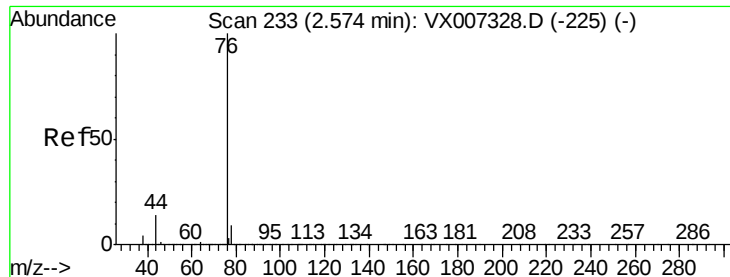
Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Tgt Ion:	43	Resp:	679118
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.9	37.3





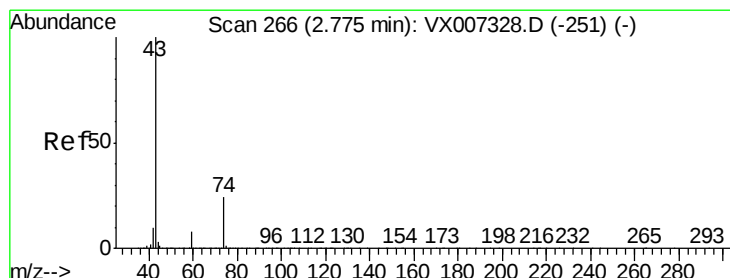
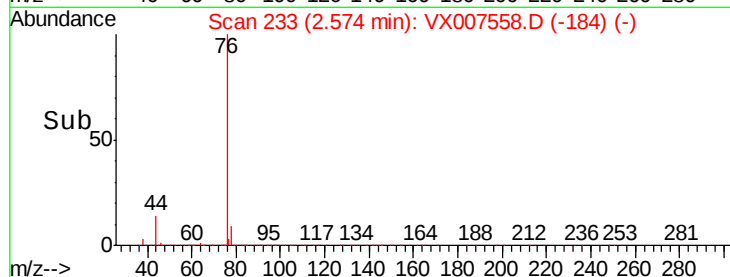
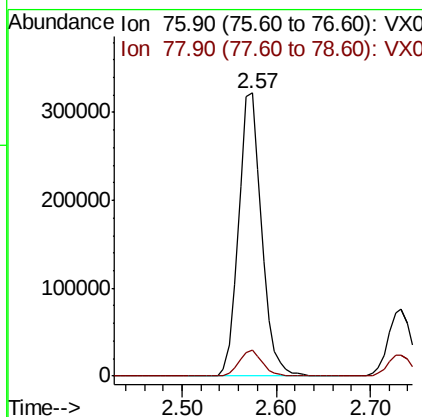
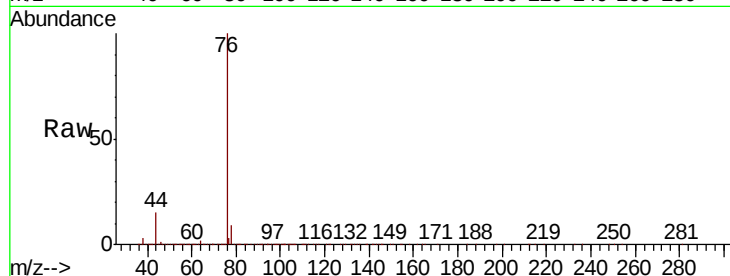
#17
Carbon Disulfide
Concen: 46.605 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

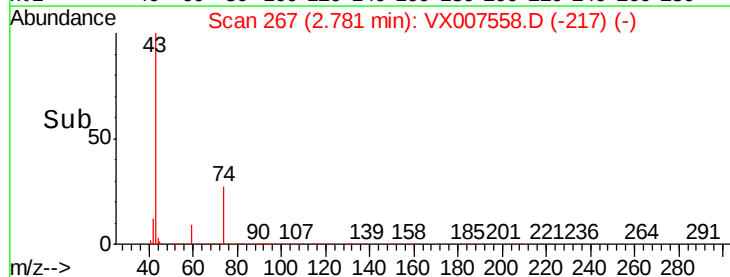
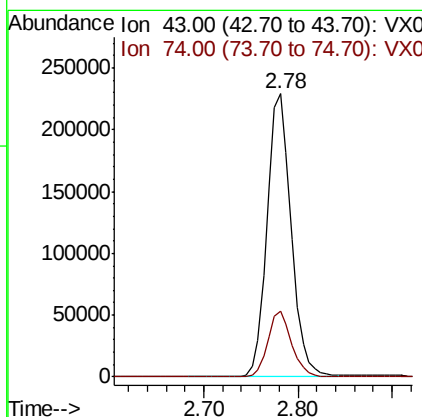
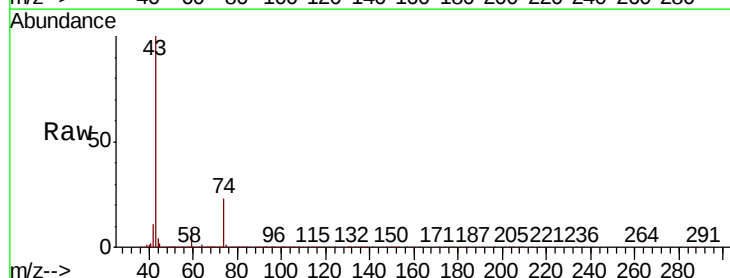
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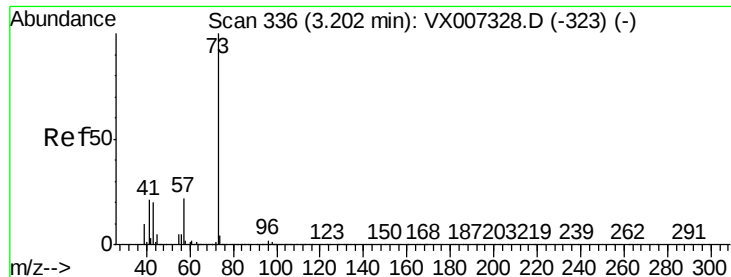
MMDadoda
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#18
Methyl Acetate
Concen: 68.309 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.4	29.2





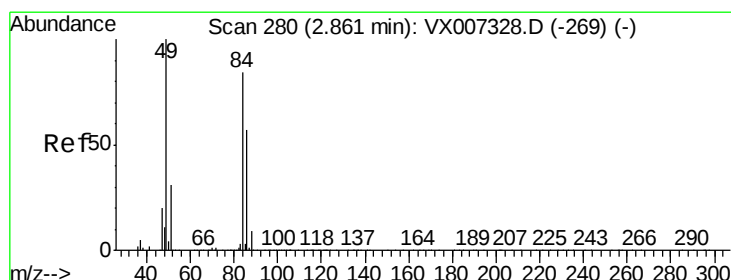
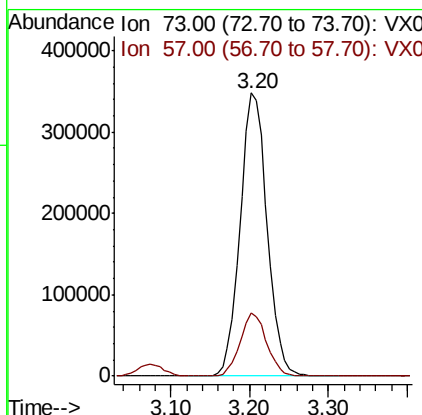
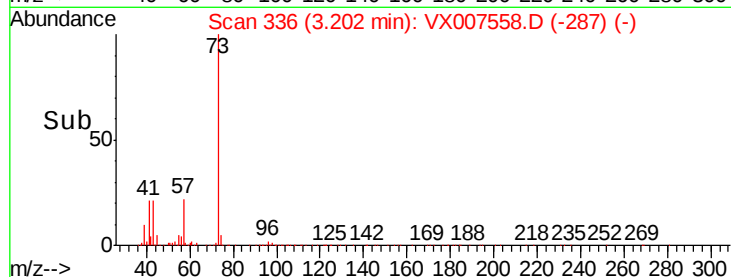
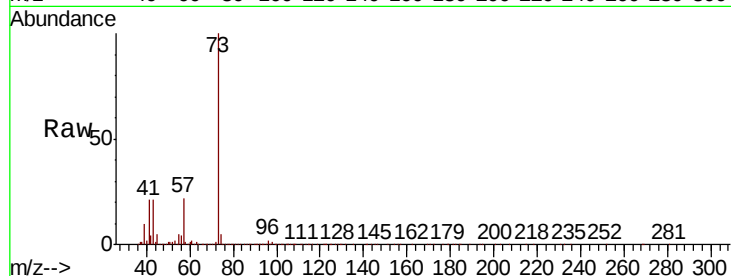
#19
Methyl tert-butyl Ether
Concen: 56.545 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8

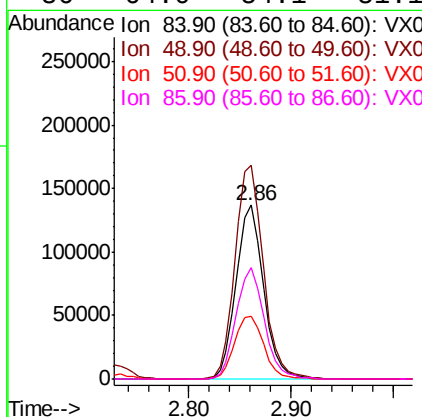
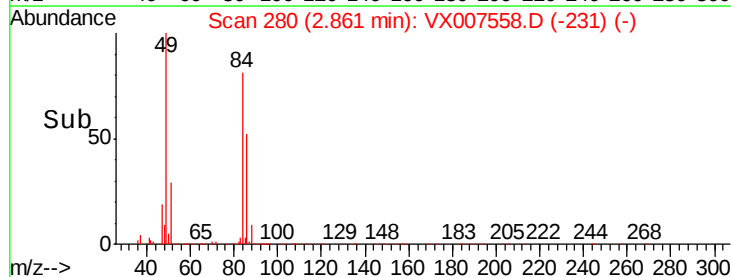
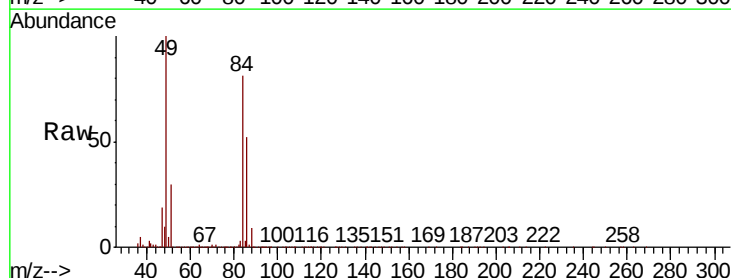
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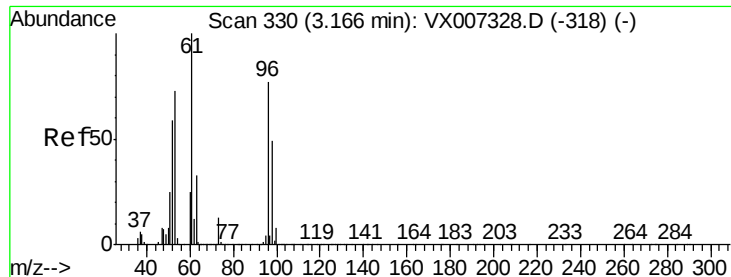
MMDadoda
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#20
Methylene Chloride
Concen: 54.490 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.9	94.8	142.2
51	36.1	29.8	44.8
86	64.0	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 49.202 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

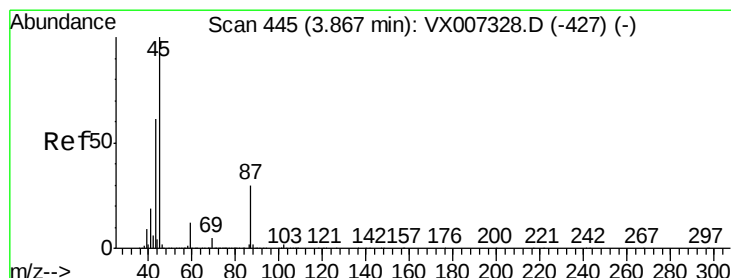
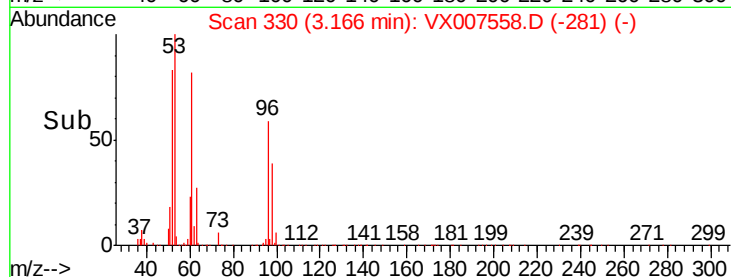
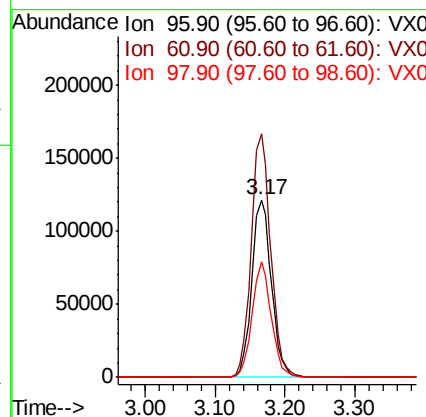
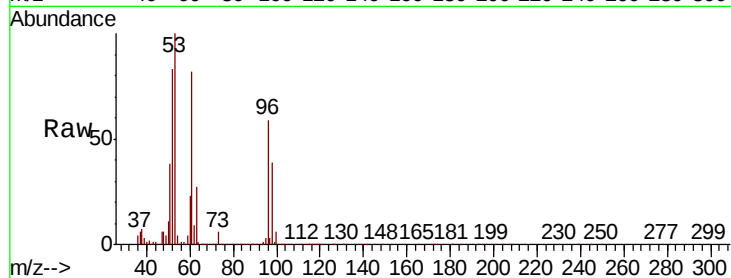
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	236919
Ion	Ratio	Lower	Upper
96	100		
61	137.3	104.6	156.8
98	65.0	51.0	76.4

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#22

Diisopropyl ether

Concen: 52.707 ug/l

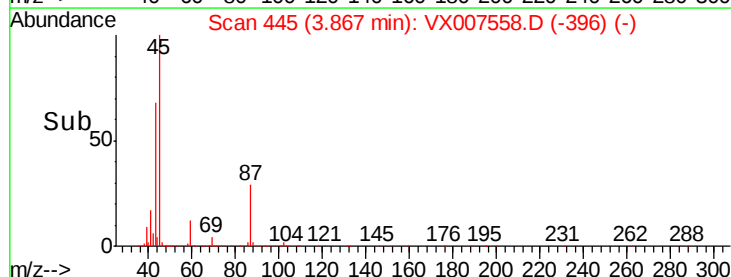
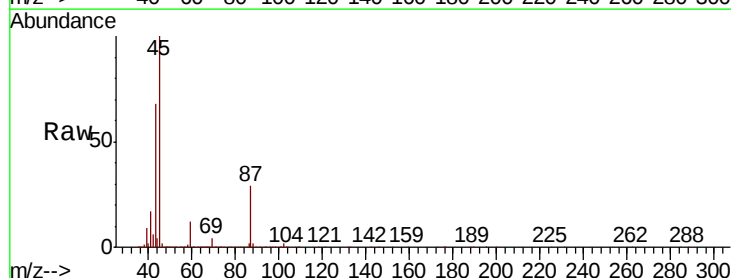
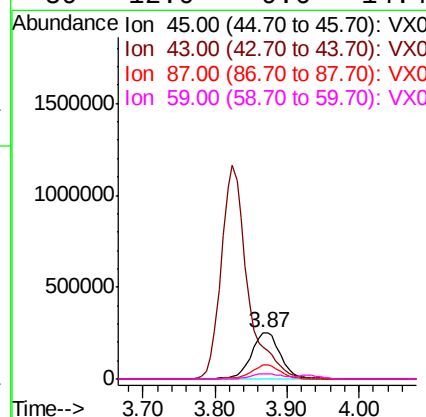
RT: 3.87 min Scan# 445

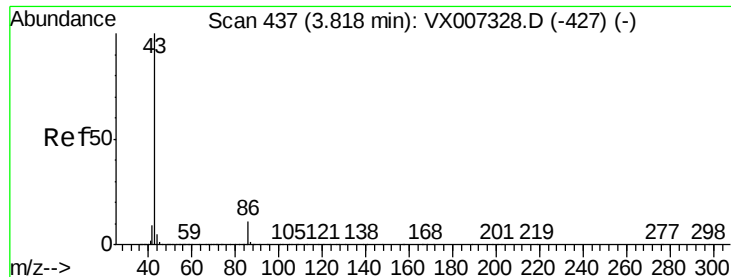
Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Tgt Ion:	45	Resp:	714063
Ion	Ratio	Lower	Upper
45	100		
43	67.6	48.9	73.3
87	29.4	23.9	35.9
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 265.198 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 2981427

Ion Ratio Lower Upper

43 100

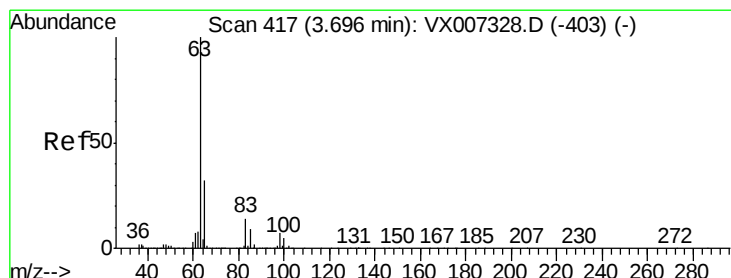
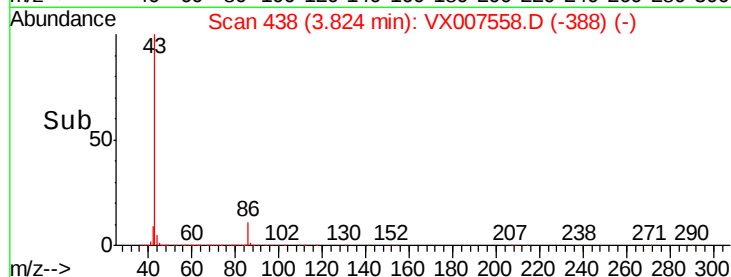
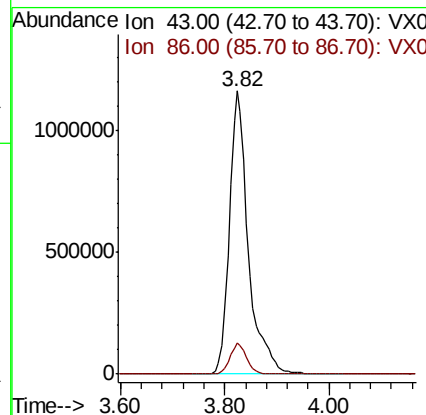
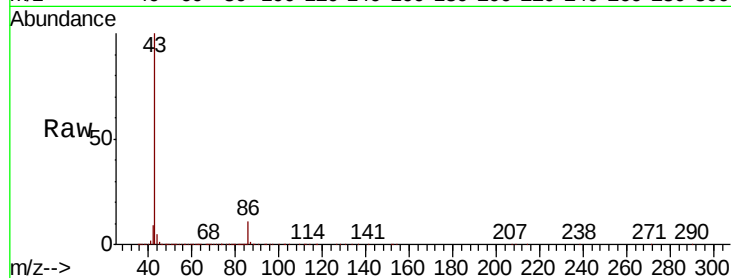
86 10.8 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 49.350 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

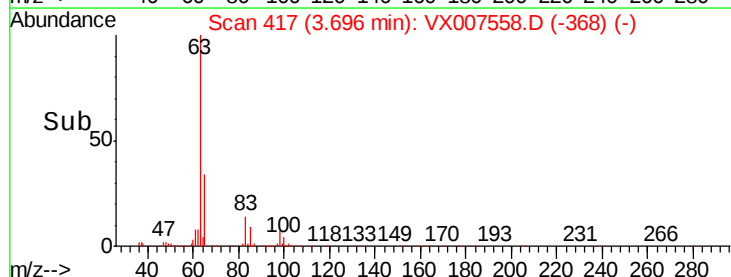
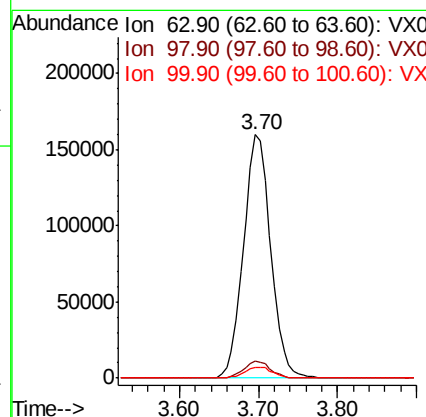
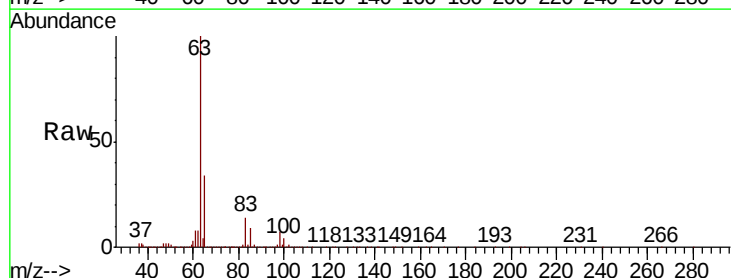
Tgt Ion: 63 Resp: 383951

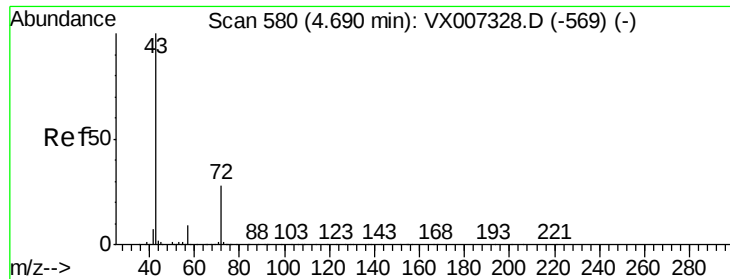
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 269.819 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 883872

Ion Ratio Lower Upper

43 100

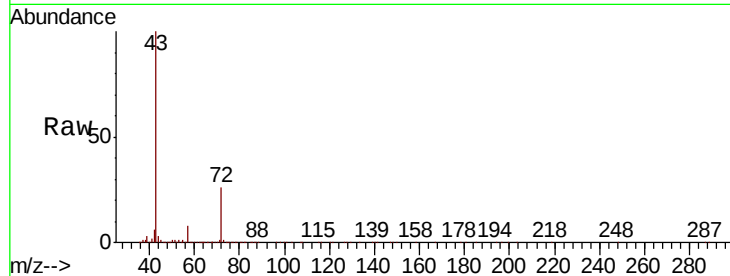
72 25.9 22.2 33.2

Manual Integrations

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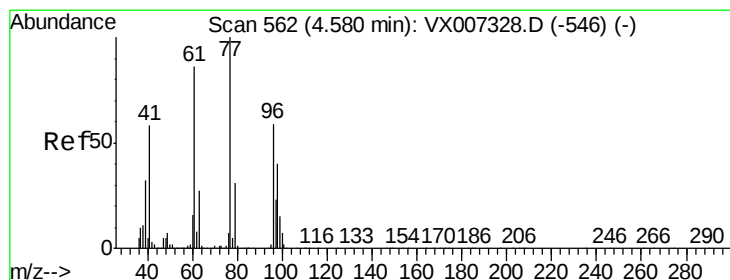
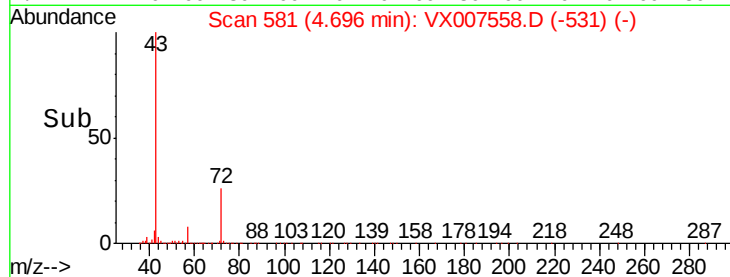
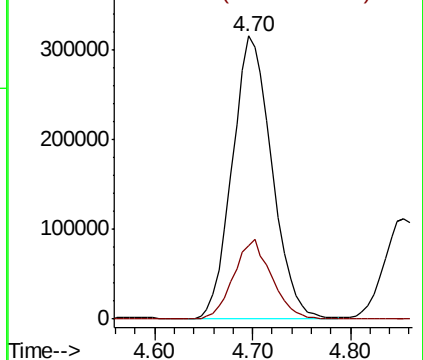
MMDadoda

2/15/2019 10:10:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.773 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007558.D

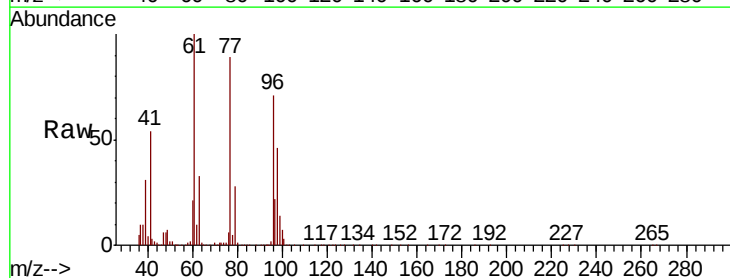
Acq: 14 Feb 2019 20:48

Tgt Ion: 77 Resp: 265281

Ion Ratio Lower Upper

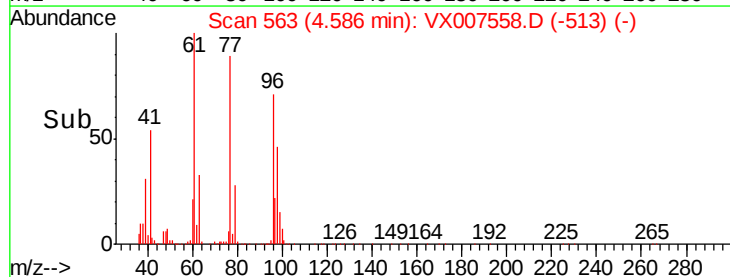
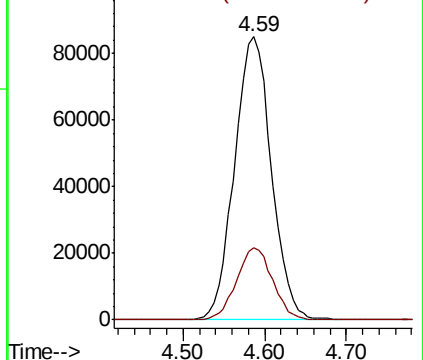
77 100

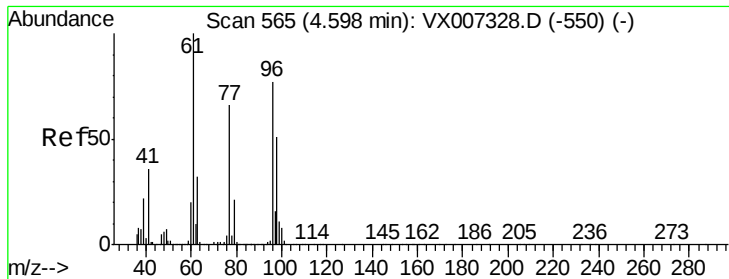
97 25.2 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

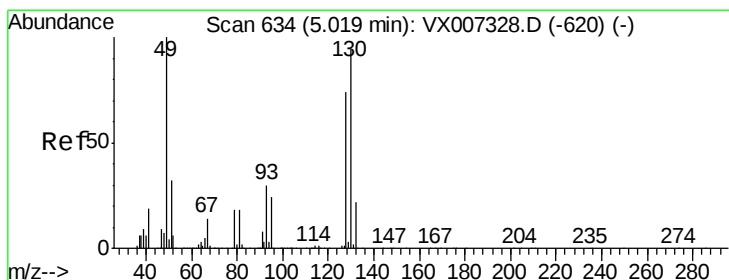
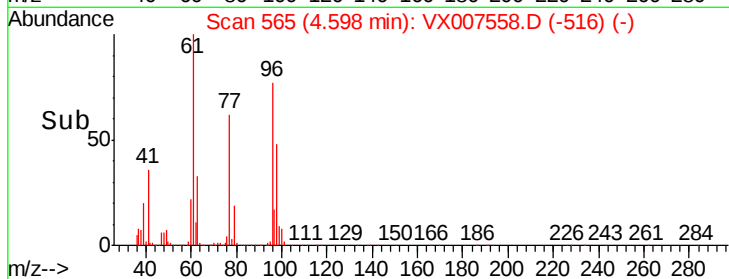
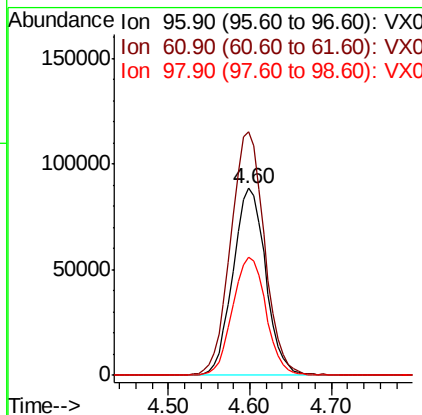
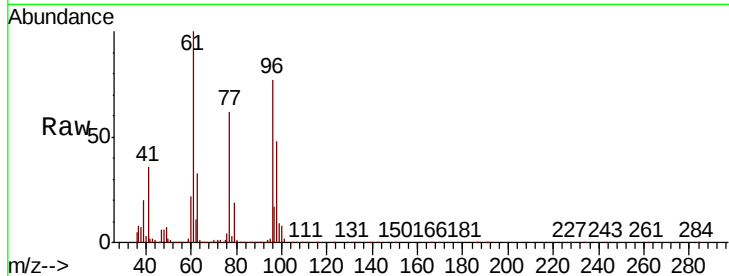
cis-1,2-Dichloroethene
Concen: 46.722 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	245732		
61	134.9	0.0	265.6	
98	64.8	0.0	131.6	

Manual Integrations
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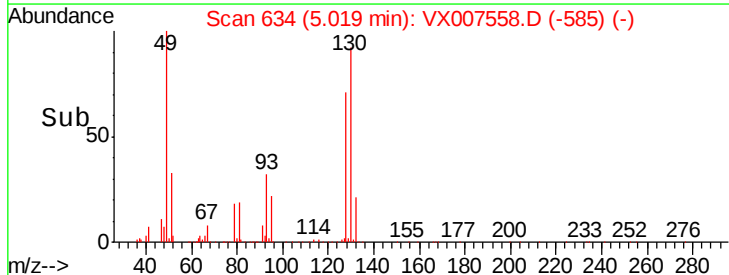
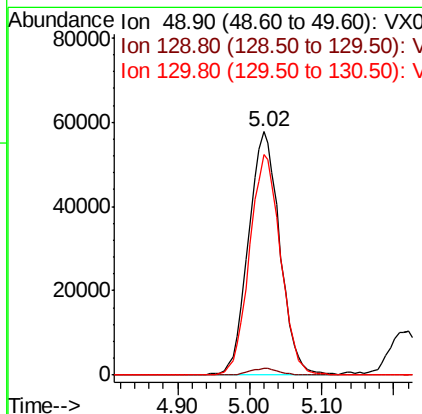
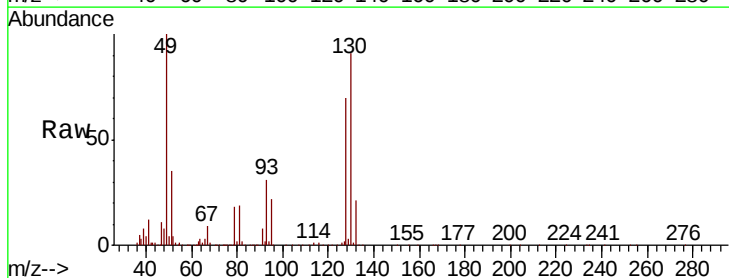
MMDadoda
2/15/2019 10:10:32 AM

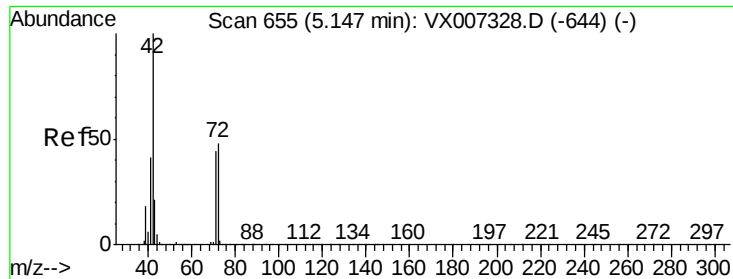


#28

Bromochloromethane
Concen: 48.572 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	173784		
129	2.6	0.0	5.6	
130	89.9	75.6	113.4	





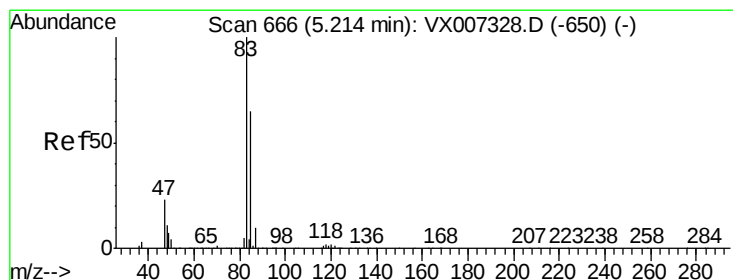
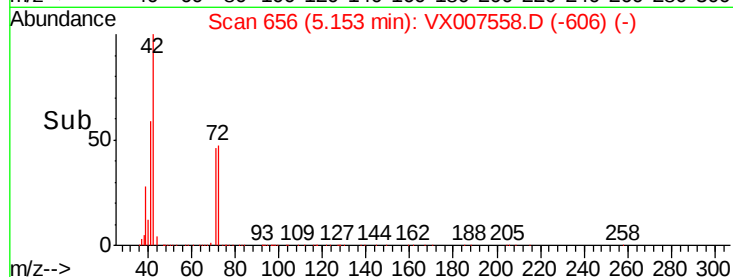
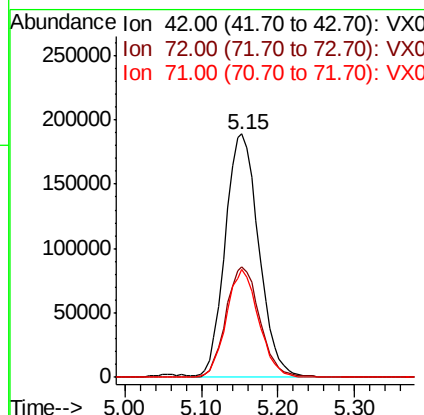
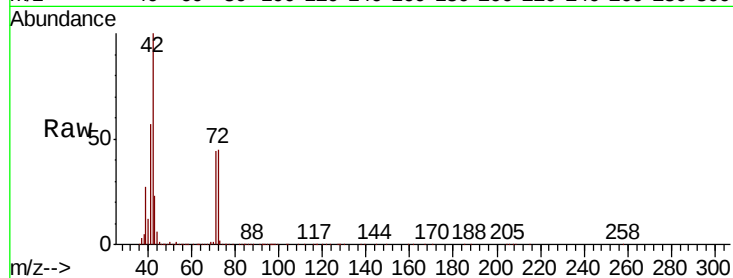
#29
Tetrahydrofuran
Concen: 278.252 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.6	56.4
71	42.7	34.6	51.8

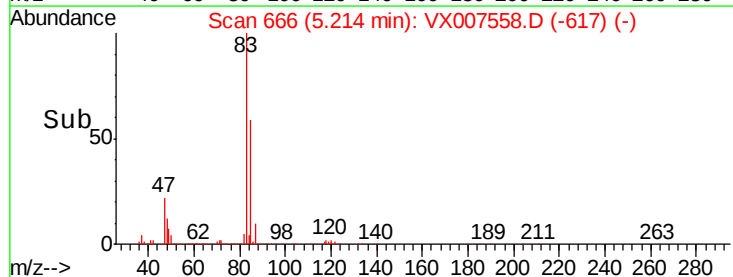
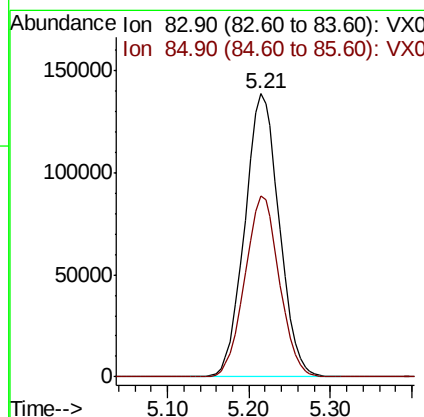
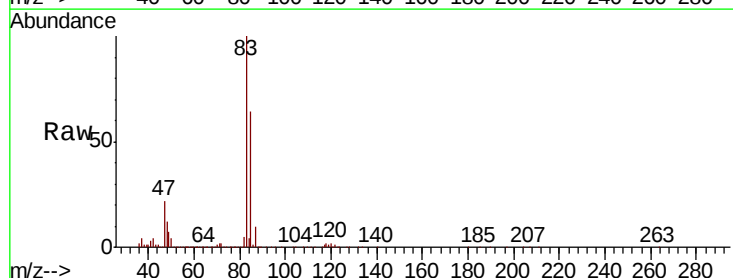
Manual Integrations
APPROVED

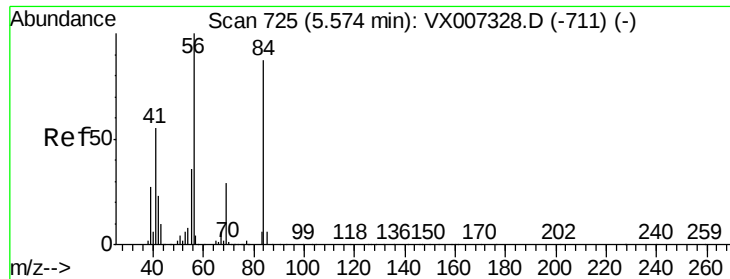
MMDadoda
2/15/2019 10:10:32 AM



#30
Chloroform
Concen: 50.213 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.6	77.4





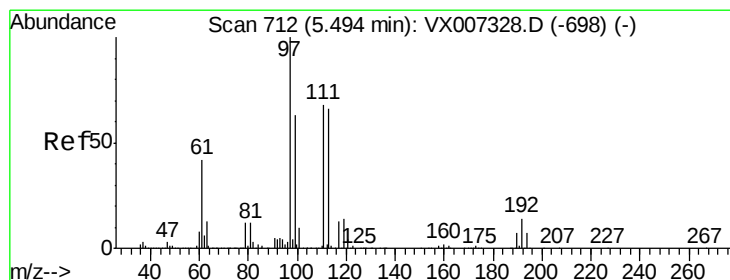
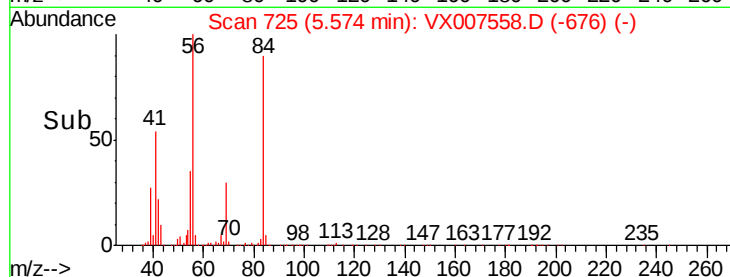
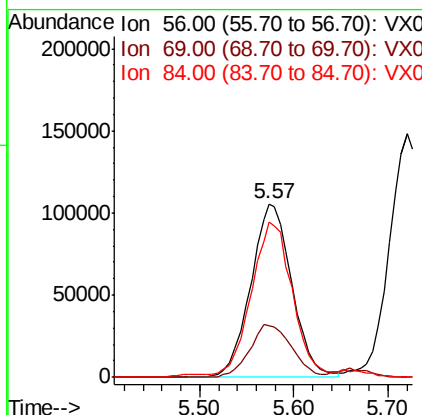
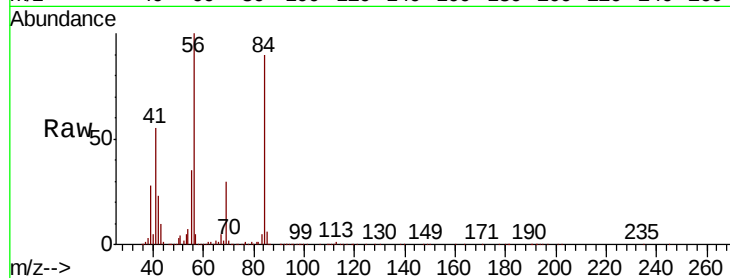
#31
Cyclohexane
Concen: 46.110 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.0	34.6
84	88.5	69.8	104.6

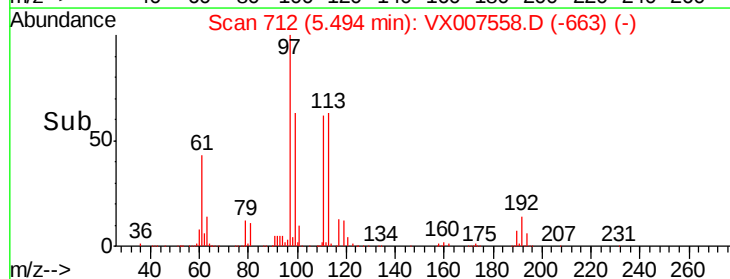
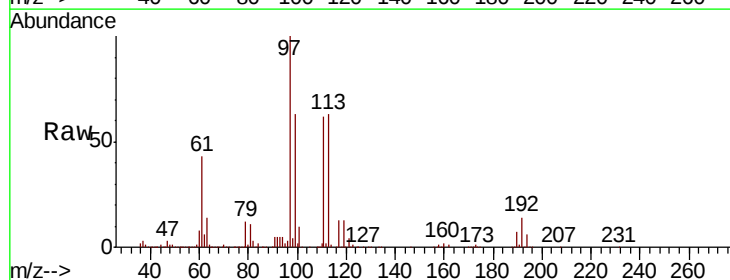
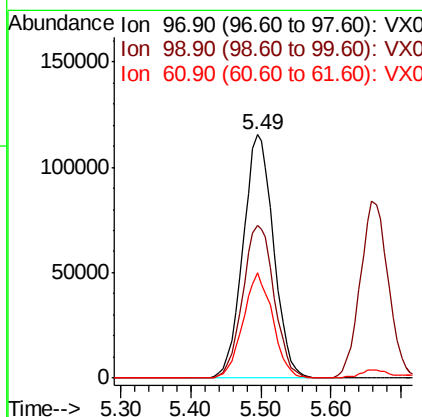
Manual Integrations
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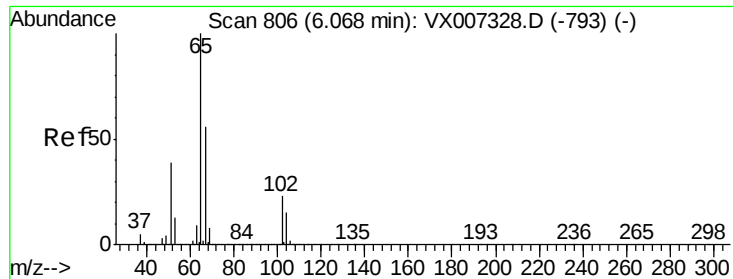
MMDadoda
2/15/2019 10:10:32 AM



#32
1,1,1-Trichloroethane
Concen: 50.909 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	41.8	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 49.936 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 250932

Ion Ratio Lower Upper

65 100

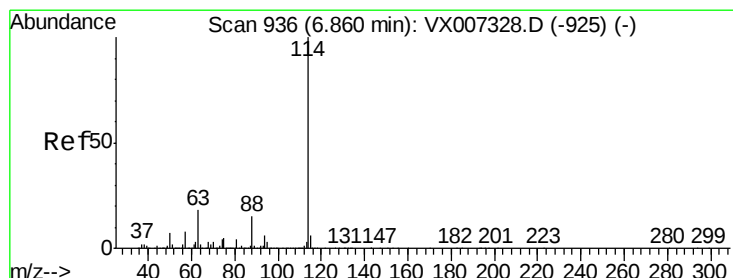
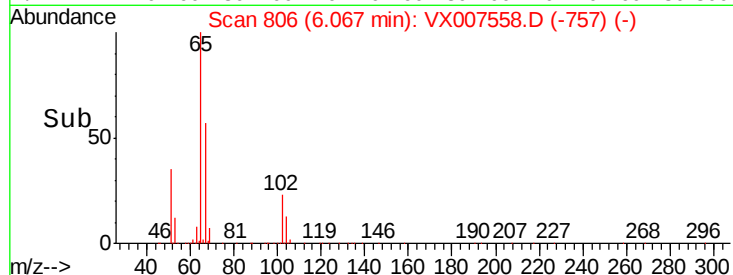
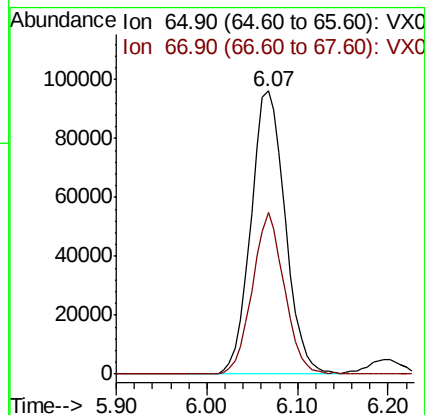
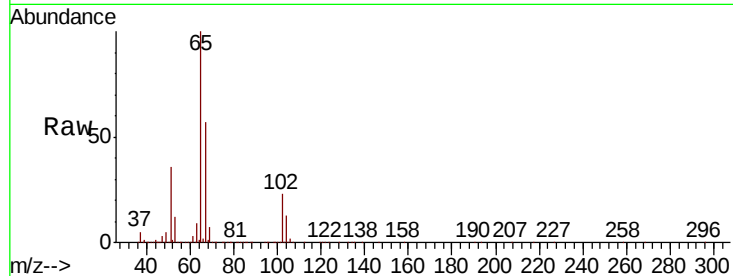
67 53.0 0.0 108.8

Manual Integrations

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MMDadoda

2/15/2019 10:10:32 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

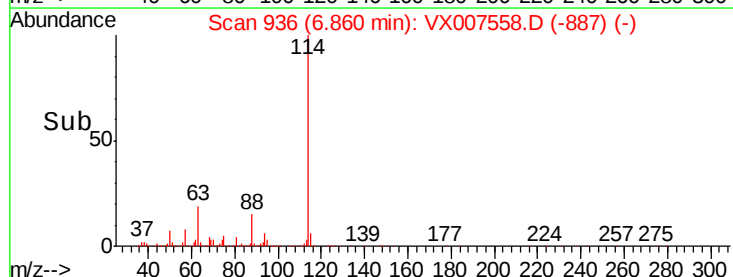
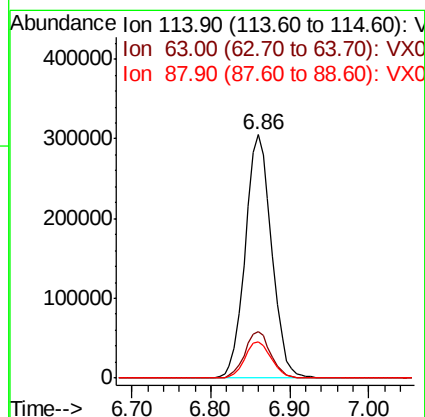
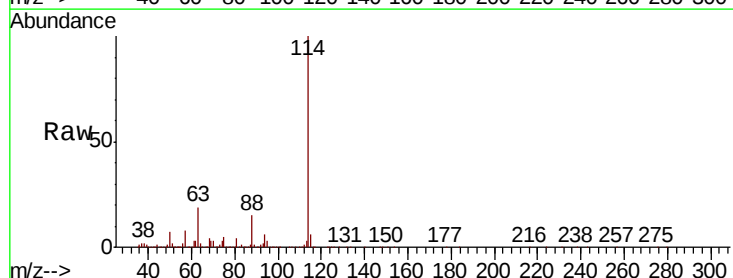
Tgt Ion: 114 Resp: 708411

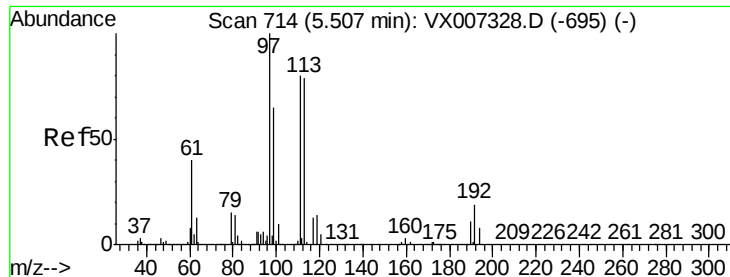
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

88 14.8 0.0 29.6





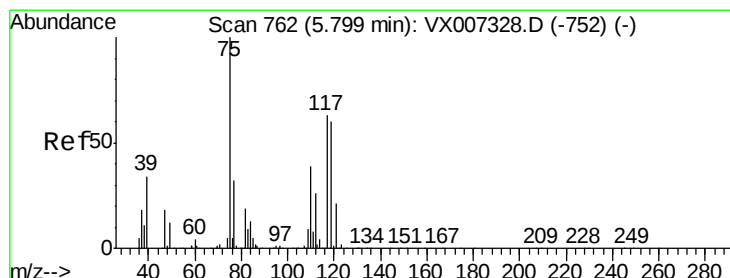
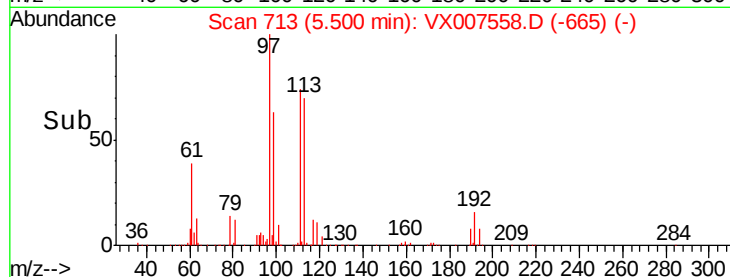
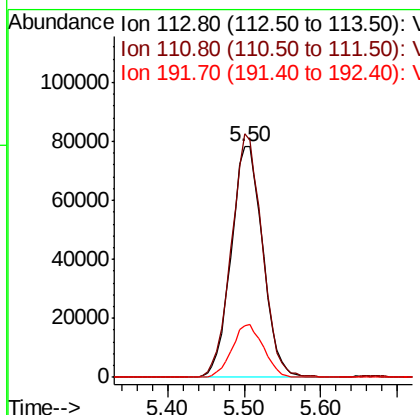
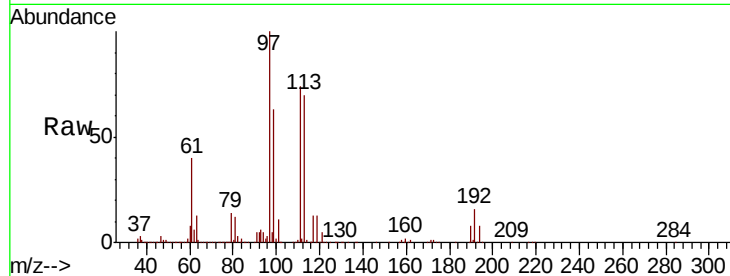
#35
 Dibromofluoromethane
 Concen: 48.694 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX007558.D
 Acq: 14 Feb 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	224447		
111	102.4	81.8	122.8	
192	22.8	18.5	27.7	

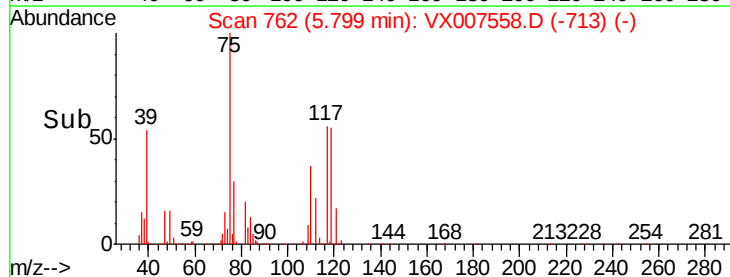
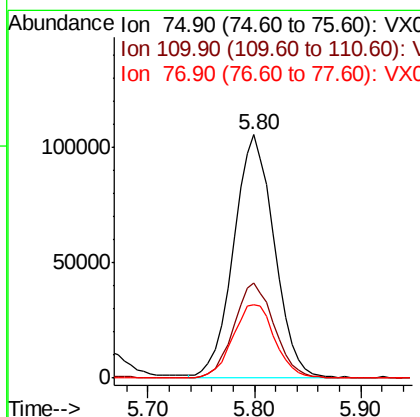
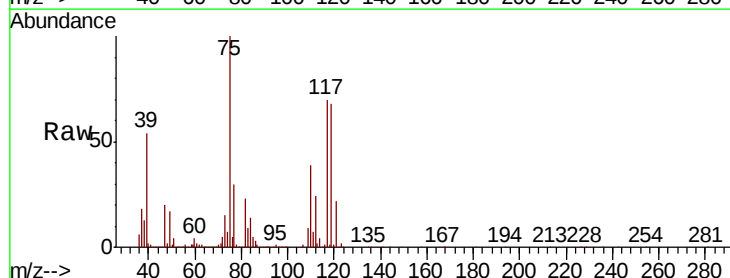
Manual Integrations
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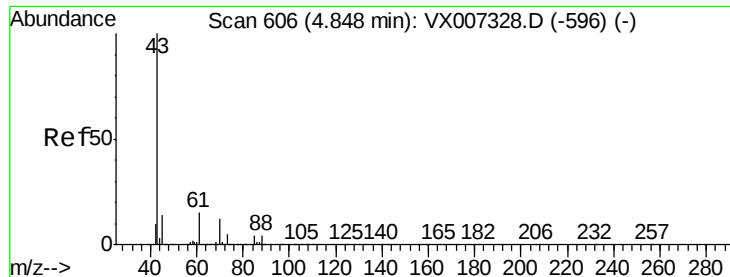
MMDadoda
 2/15/2019 10:10:32 AM



#36
 1,1-Dichloropropene
 Concen: 44.006 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007558.D
 Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	279707		
110	39.2	20.0	59.9	
77	31.3	24.7	37.1	





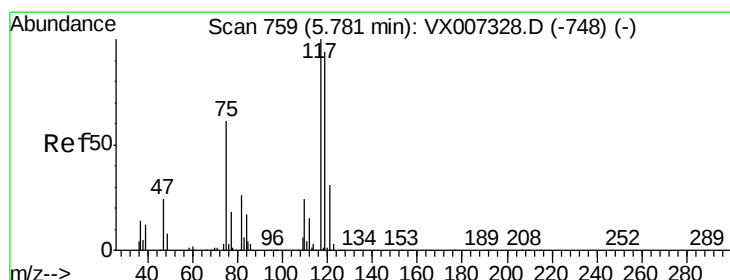
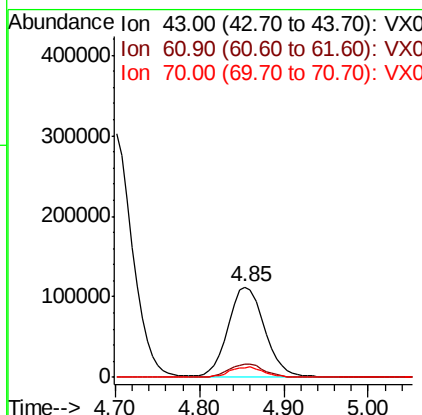
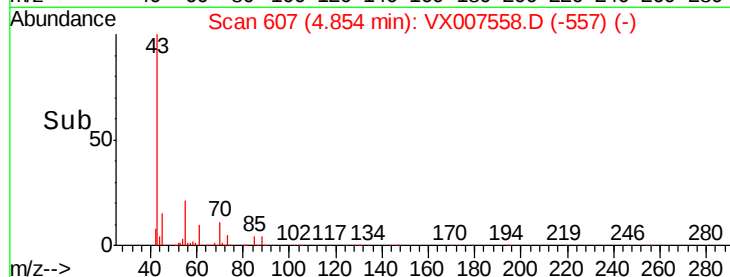
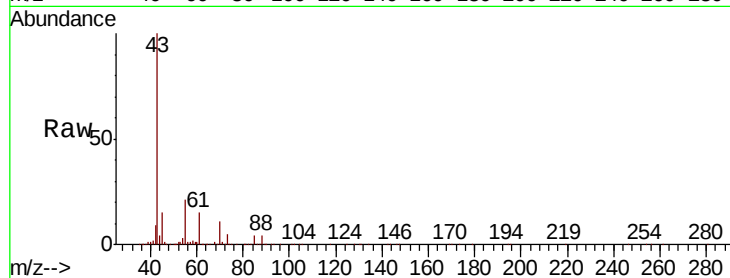
#37
Ethyl Acetate
Concen: 51.230 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	329167
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.3	16.9
70	11.1	8.6	13.0

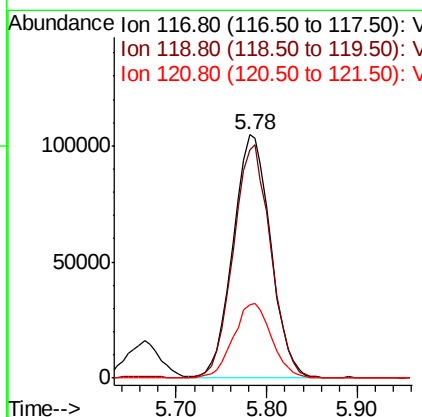
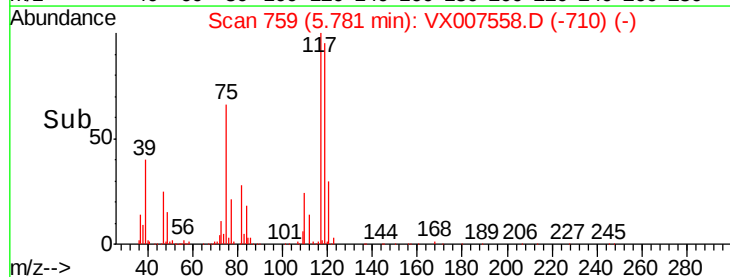
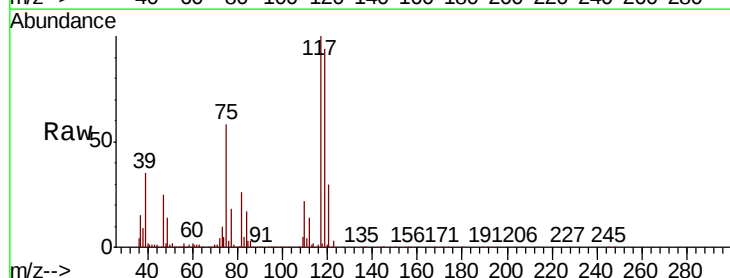
Manual Integrations
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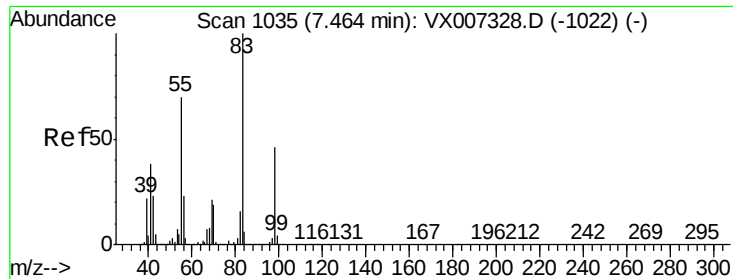
MMDadoda
2/15/2019 10:10:32 AM



#38
Carbon Tetrachloride
Concen: 48.801 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	117	Resp	300928
Ion Ratio	Lower	Upper	
117	100		
119	93.9	75.3	112.9
121	30.3	25.0	37.4





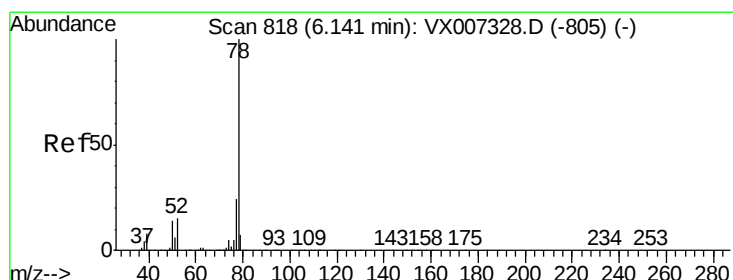
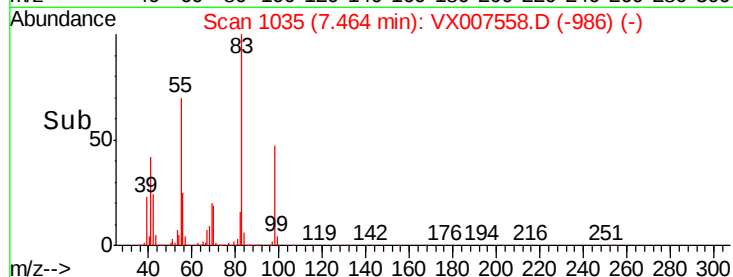
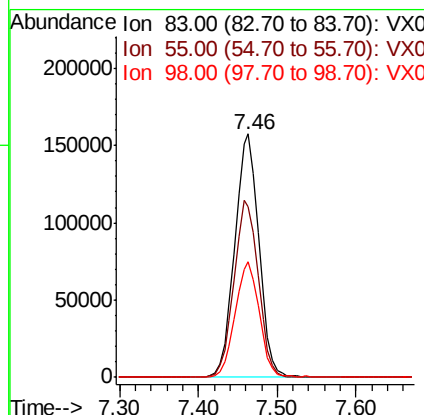
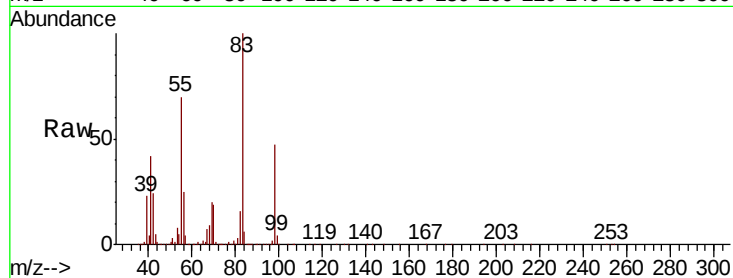
#39
Methylvlcyclohexane
Concen: 43.692 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.2	84.2
98	47.3	36.8	55.2

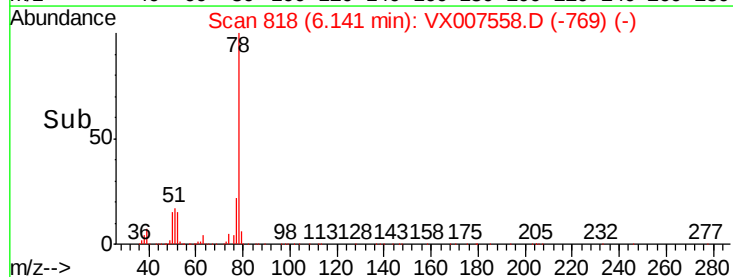
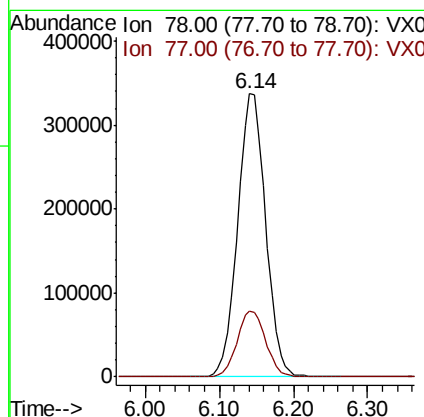
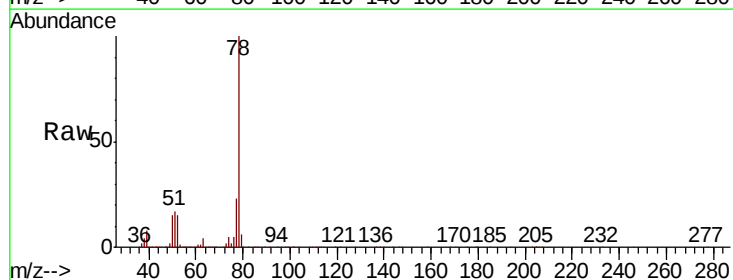
Manual Integrations
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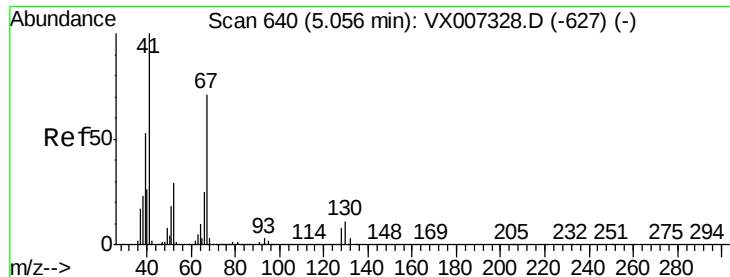
MMDadoda
2/15/2019 10:10:32 AM



#40
Benzene
Concen: 47.490 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9





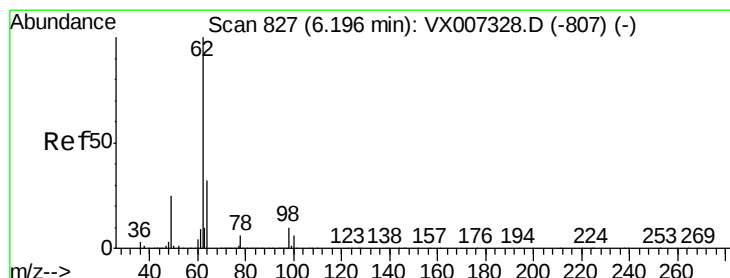
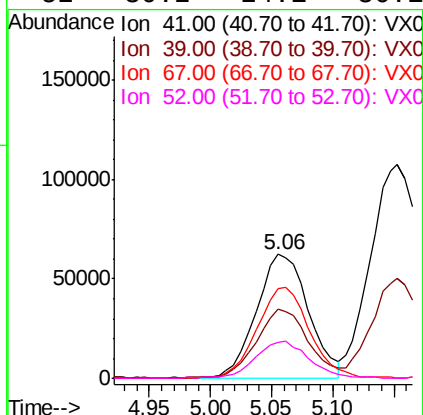
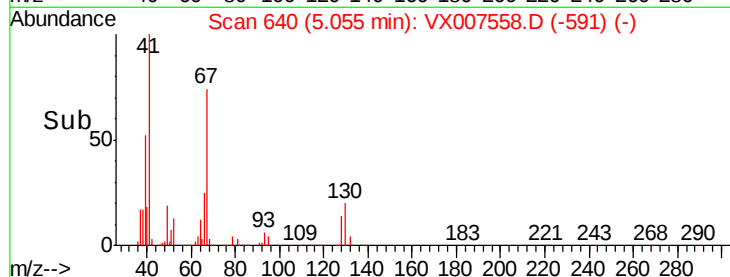
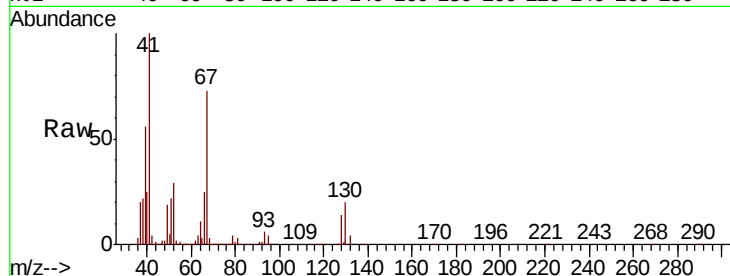
#41
Methacrylonitrile
Concen: 53.803 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		185279		
39	54.9	44.5	66.7		
67	74.0	60.4	90.6		
52	30.2	24.1	36.1		

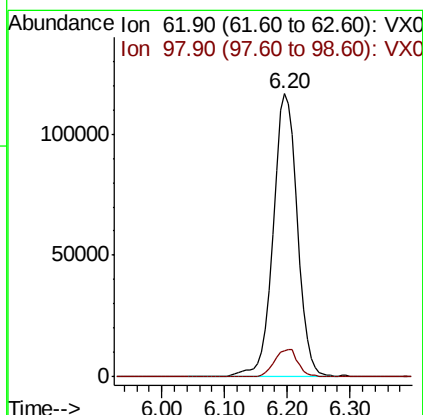
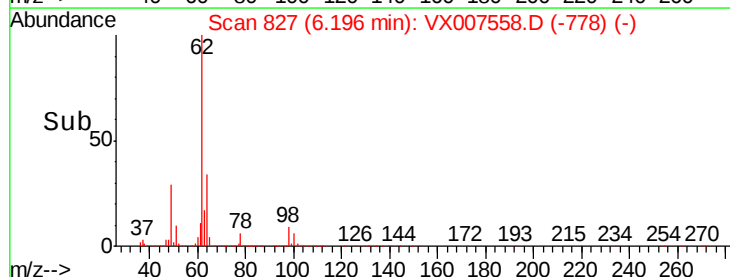
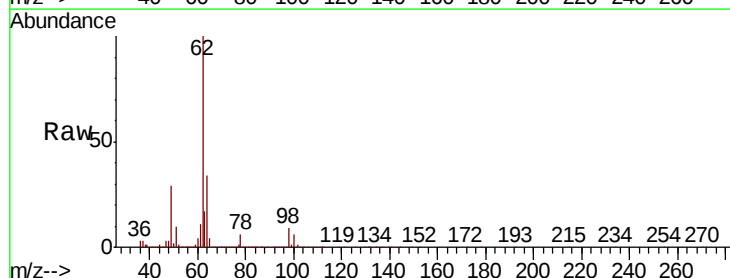
Manual Integrations
APPROVED

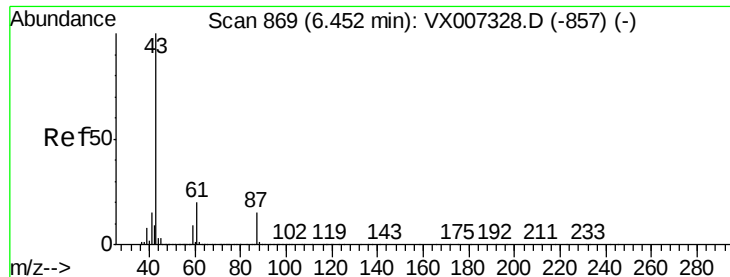
MMDadoda
2/15/2019 10:10:32 AM



#42
1,2-Dichloroethane
Concen: 48.052 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		311285		
98	9.6	0.0	19.0		





#43

Isopropyl Acetate

Concen: 53.991 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

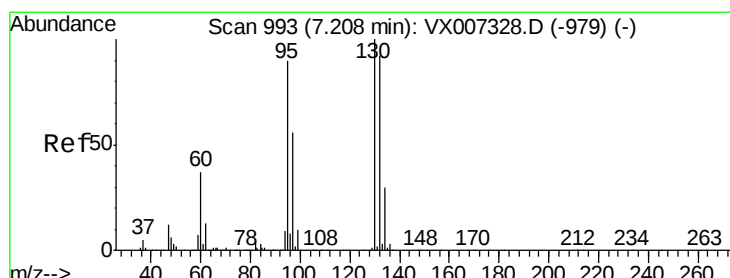
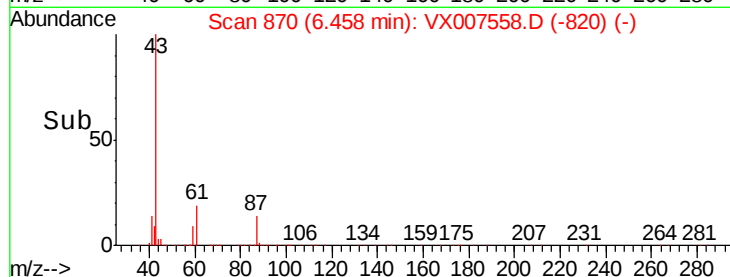
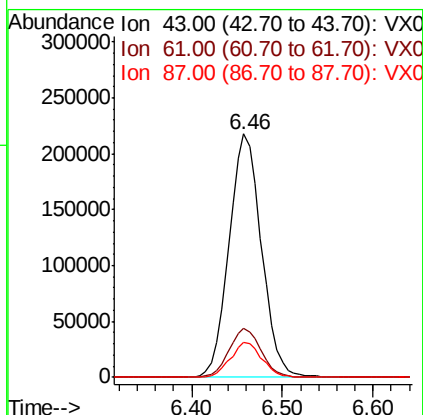
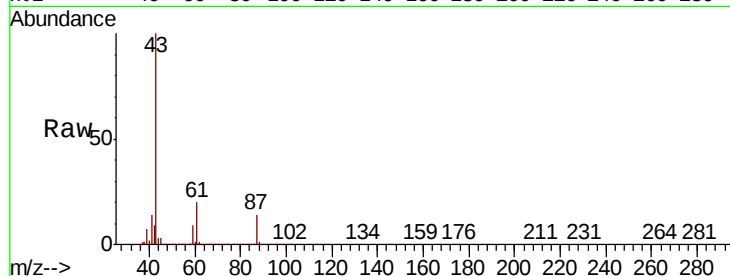
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	535461
Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.1	24.1
87	14.2	11.5	17.3

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2/15/2019 10:10:32 AM



#44

Trichloroethene

Concen: 44.744 ug/l

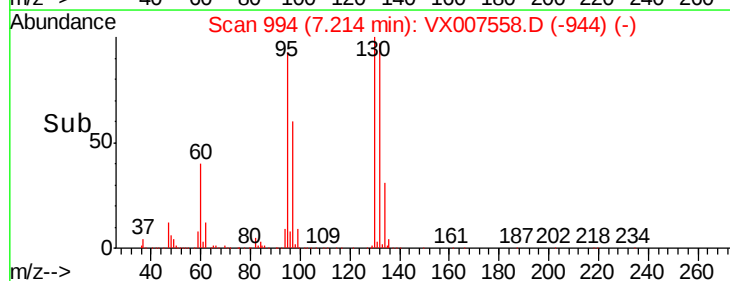
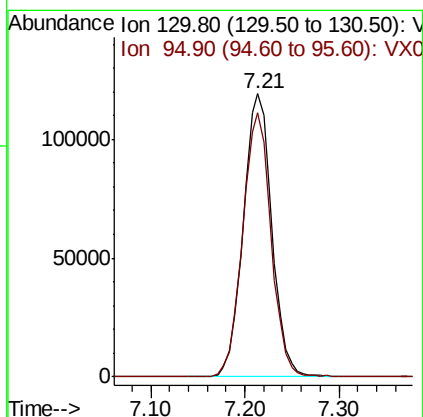
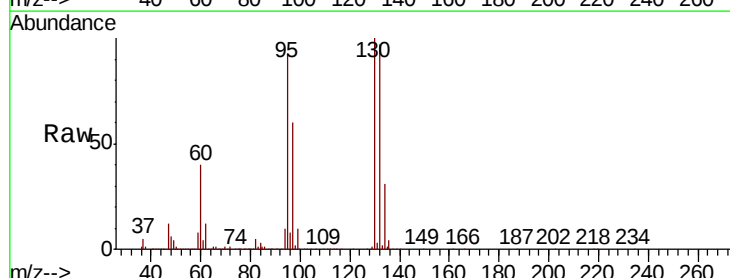
RT: 7.21 min Scan# 994

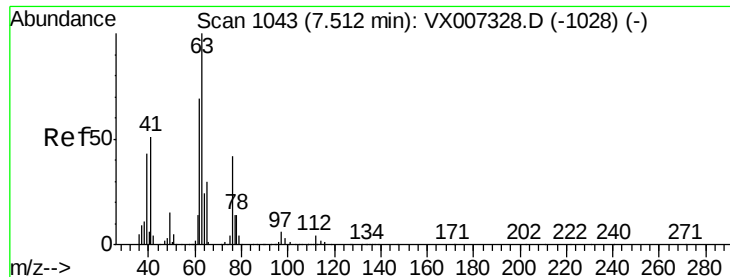
Delta R.T. 0.01 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Tgt Ion:	130	Resp:	252313
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	180.0





#45

1,2-Dichloropropane

Concen: 48.841 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 229122

Ion Ratio Lower Upper

63 100

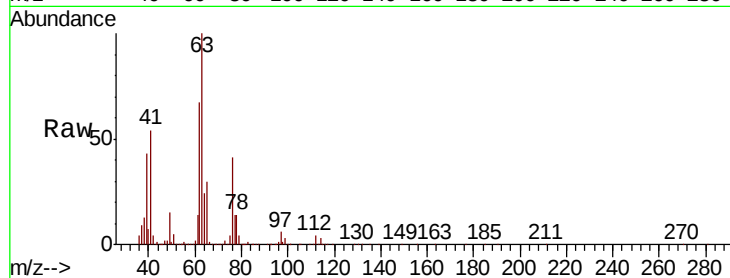
65 30.4 24.2 36.2

Manual Integrations

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2/15/2019 10:10:32 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

120000

100000

80000

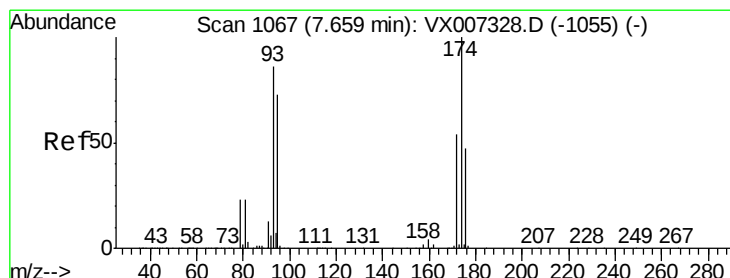
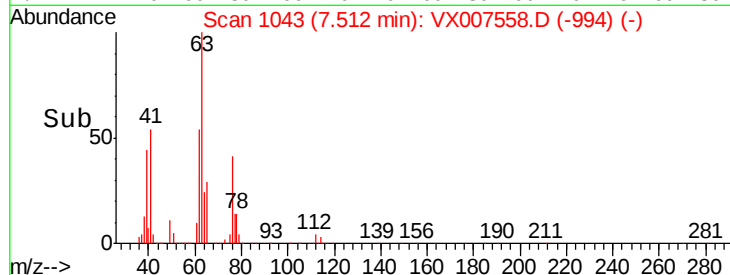
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 47.338 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

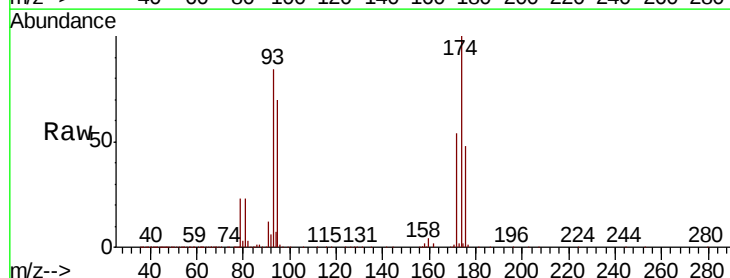
Tgt Ion: 93 Resp: 161402

Ion Ratio Lower Upper

93 100

95 82.1 67.6 101.4

174 115.3 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

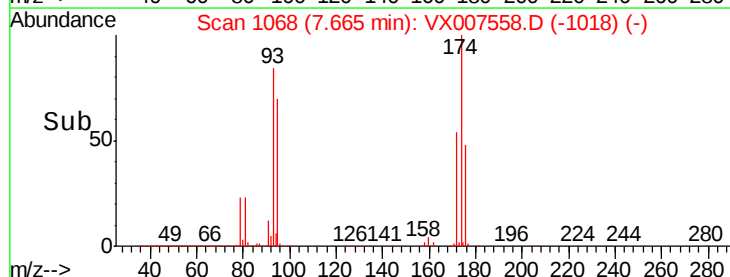
Ion 173.70 (173.40 to 174.40): V

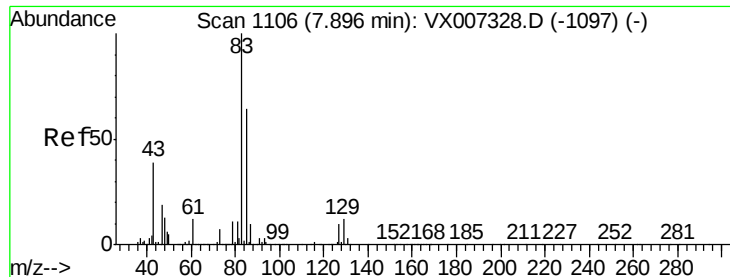
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 50.023 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

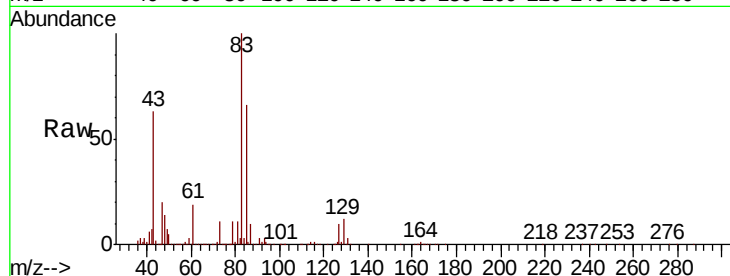
ClientSampleId :

VSTDCCC050EC

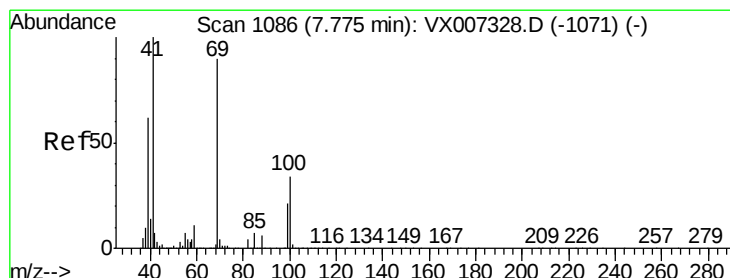
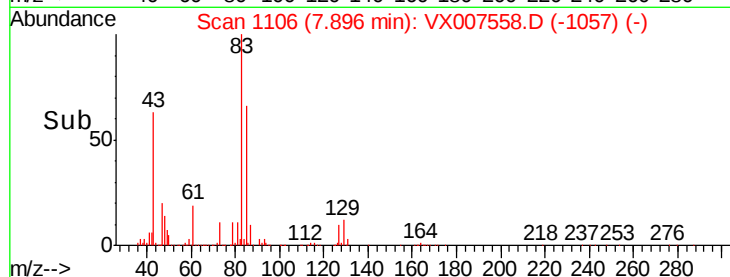
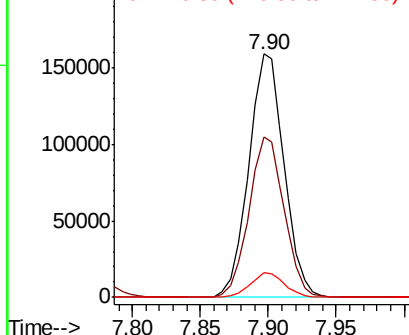
Tot Ion:	83	Resp:	289052
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.4	77.0
127	9.9	8.1	12.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.152 ug/l

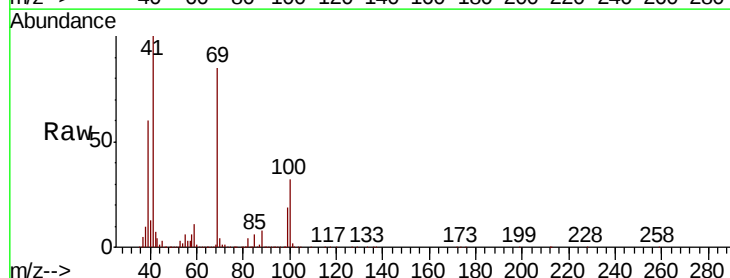
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

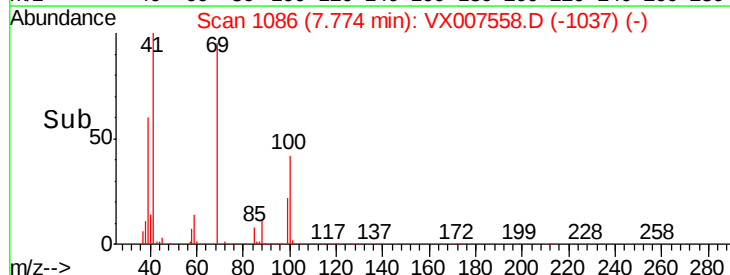
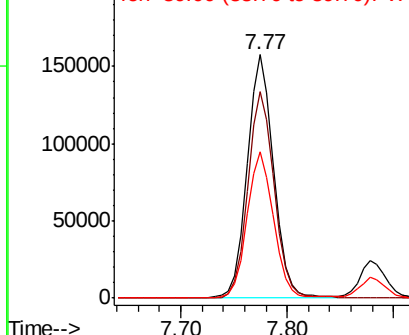
Lab File: VX007558.D

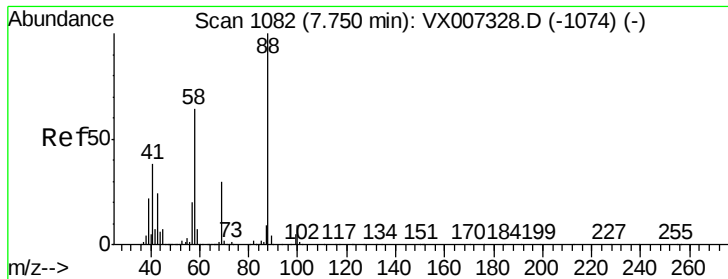
Acq: 14 Feb 2019 20:48

Tgt Ion:	41	Resp:	273593
Ion Ratio	Lower	Upper	
41	100		
69	85.1	70.2	105.4
39	60.0	47.4	71.0



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





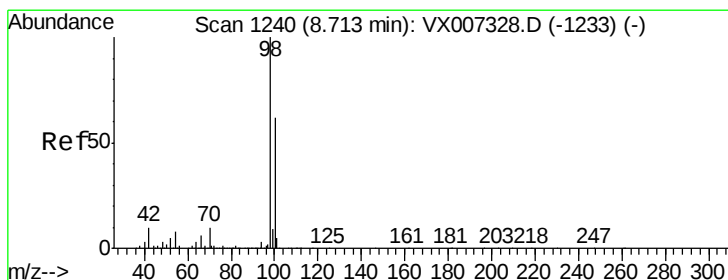
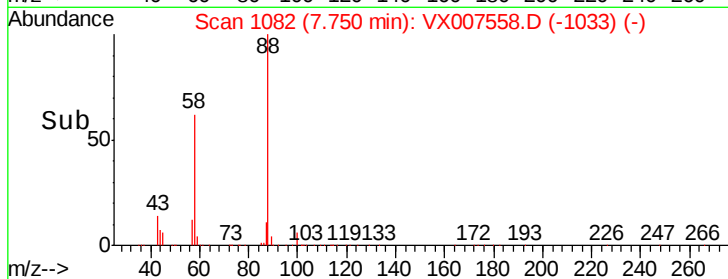
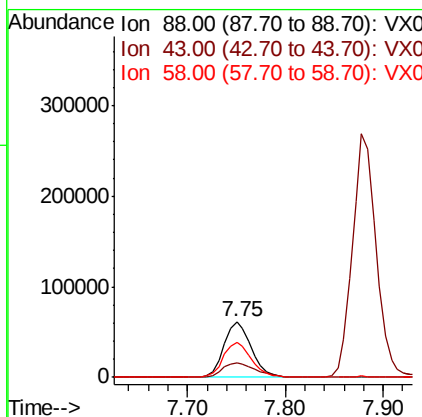
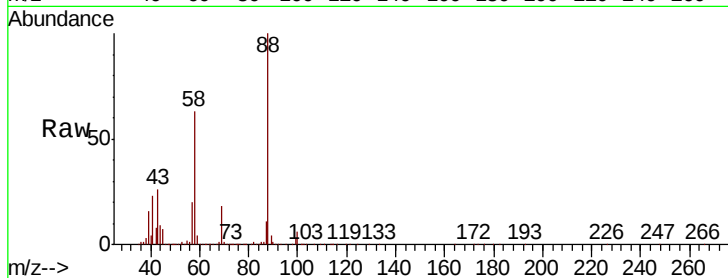
#49
1,4-Dioxane
Concen: 1057.701 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	24.2	36.4
58	65.3	53.0	79.4

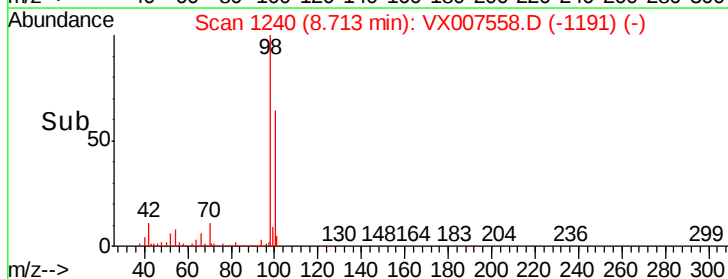
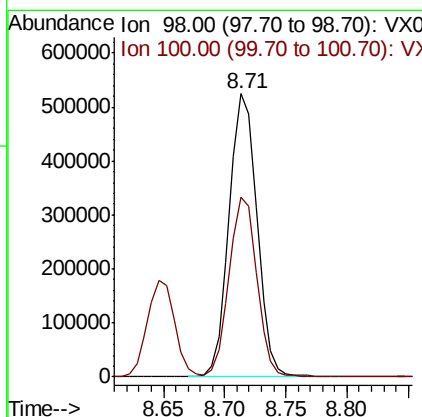
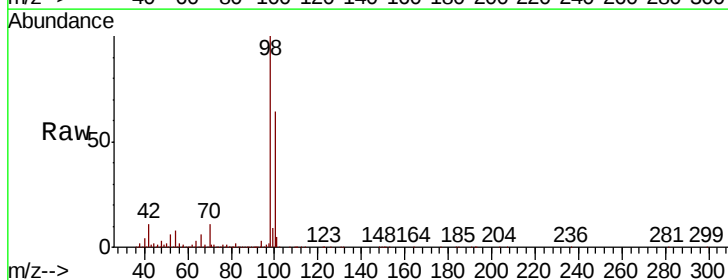
Manual Integrations
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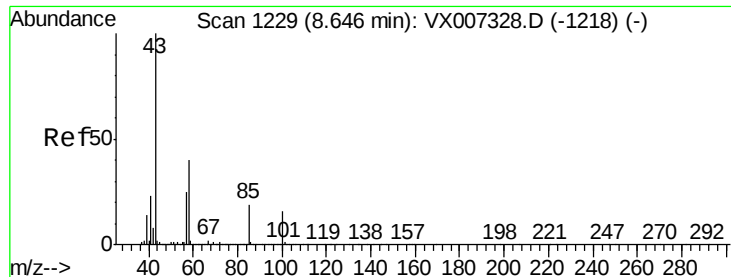
MMDadoda
2/15/2019 10:10:32 AM



#50
Toluene-d8
Concen: 48.220 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 271.902 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 1775174

Ion Ratio Lower Upper

43 100

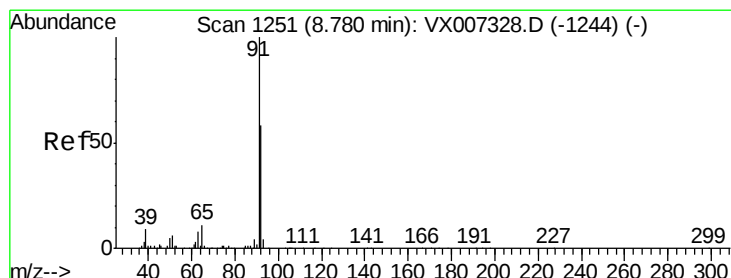
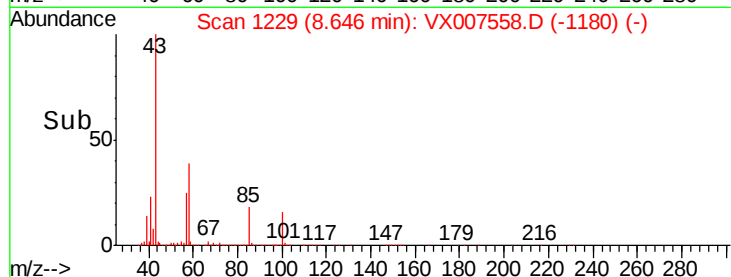
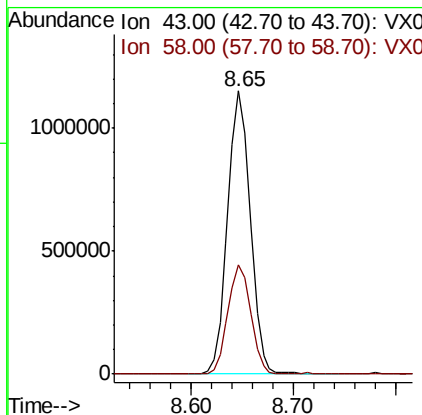
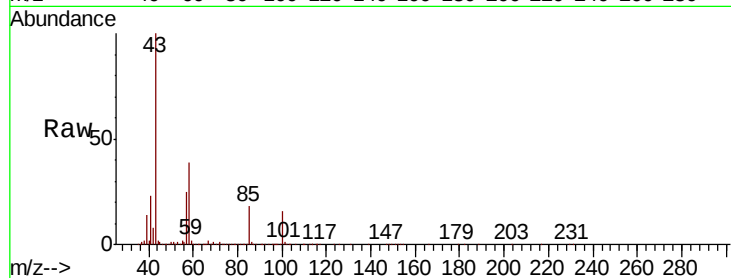
58 39.0 31.2 46.8

Manual Integrations

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MMDadoda

2/15/2019 10:10:32 AM



#52

Toluene

Concen: 47.505 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007558.D

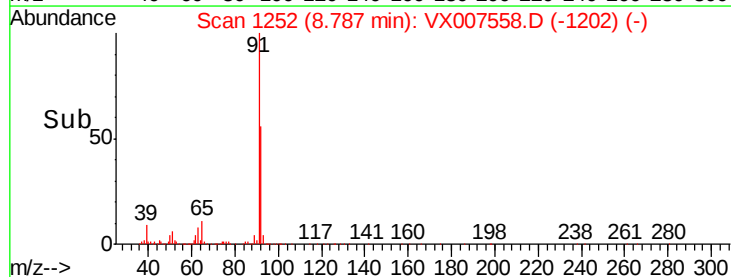
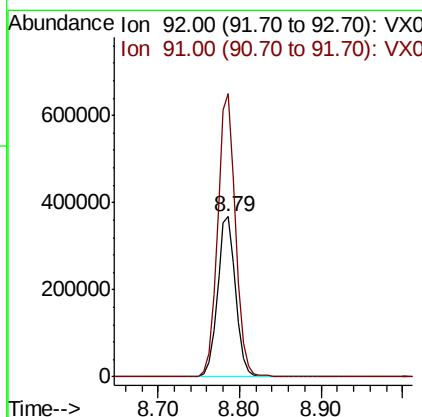
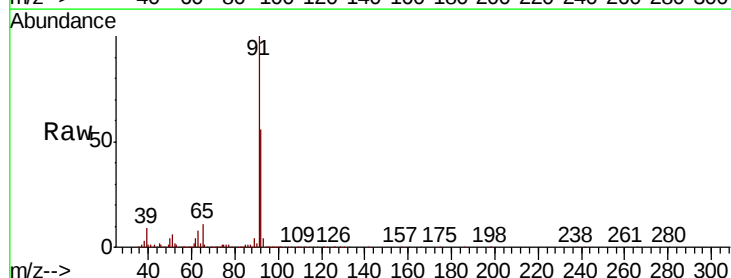
Acq: 14 Feb 2019 20:48

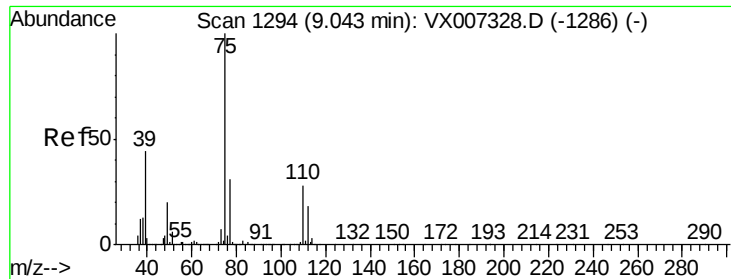
Tgt Ion: 92 Resp: 573869

Ion Ratio Lower Upper

92 100

91 174.5 139.1 208.7





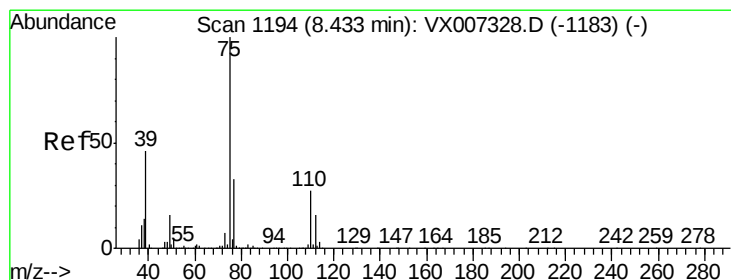
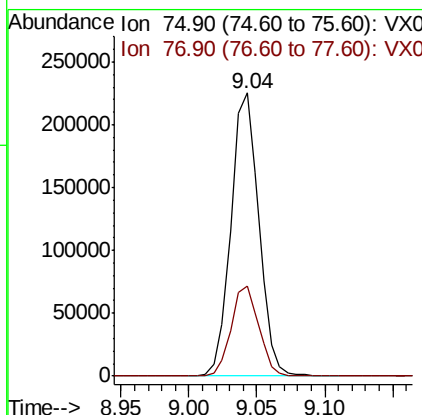
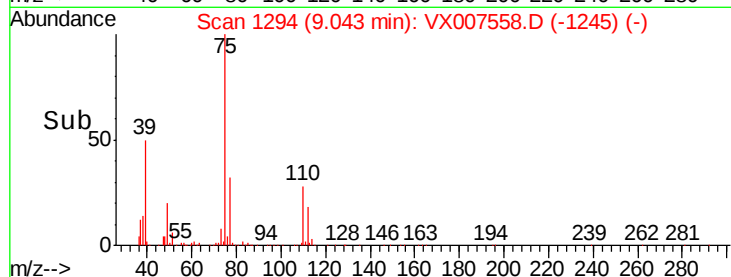
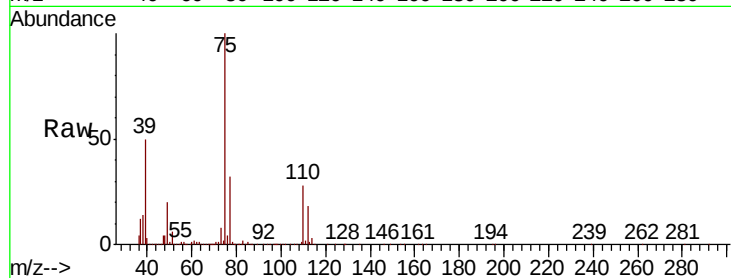
#53
t-1,3-Dichloropropene
Concen: 51.851 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8

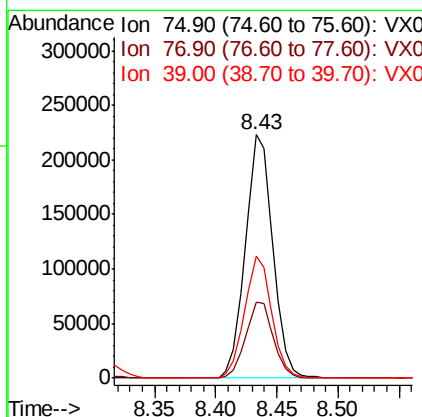
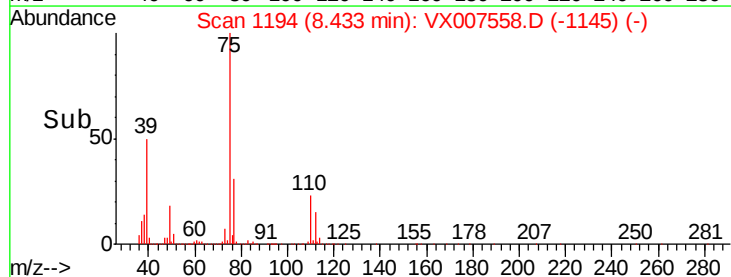
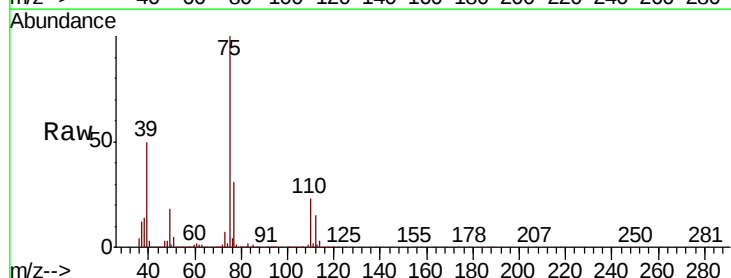
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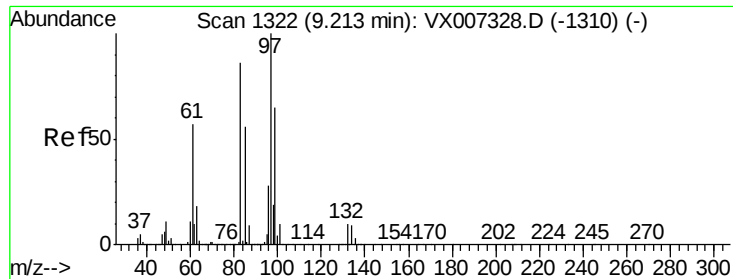
MMDadoda
2/15/2019 10:10:32 AM



#54
cis-1,3-Dichloropropene
Concen: 51.102 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.2	39.4
39	50.2	37.1	55.7





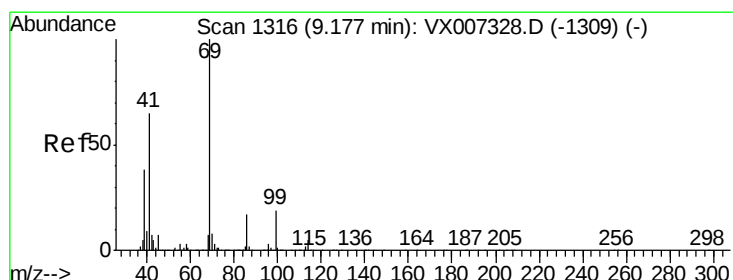
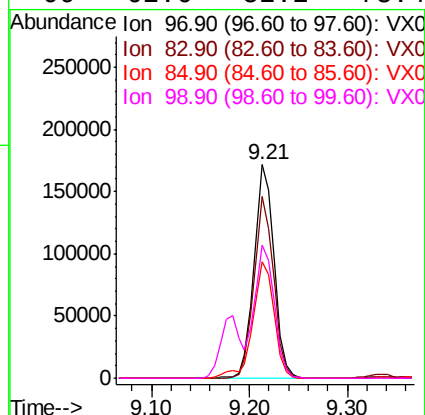
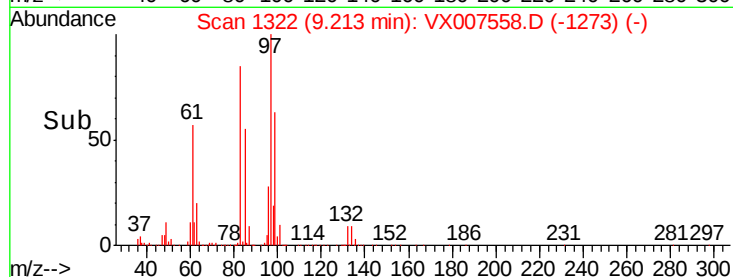
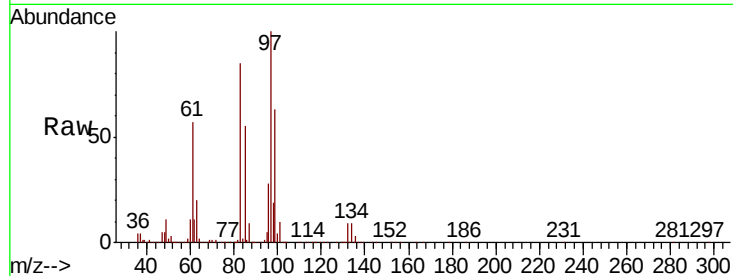
#55
1,1,2-Trichloroethane
Concen: 48.564 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	244545
Ion Ratio	Lower	Upper	
97	100		
83	84.8	68.6	102.8
85	54.6	44.5	66.7
99	62.6	52.2	78.4

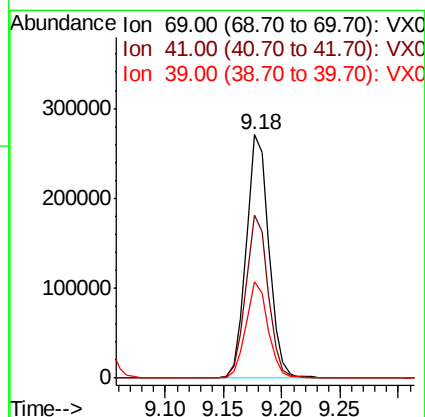
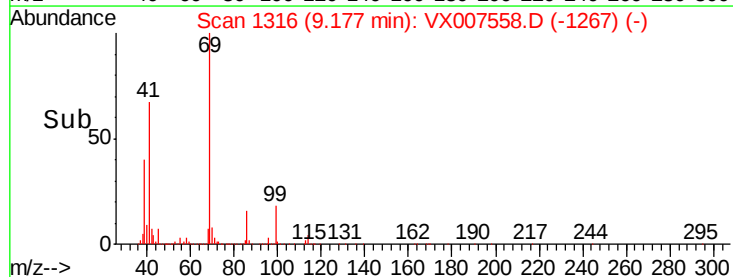
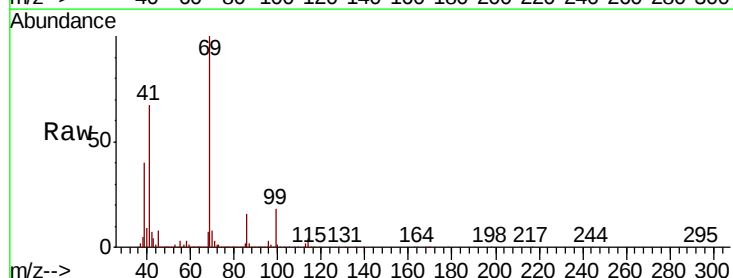
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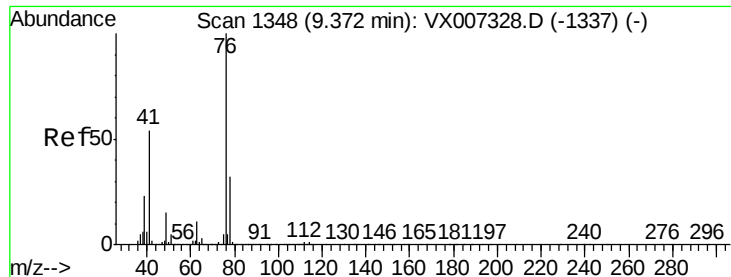
MMDadoda
2/15/2019 10:10:32 AM



#56
Ethyl methacrylate
Concen: 53.033 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion:	69	Resp:	369864
Ion Ratio	Lower	Upper	
69	100		
41	66.1	52.1	78.1
39	38.5	30.1	45.1





#57

1,3-Dichloropropane

Concen: 48.390 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 387499

Ion Ratio Lower Upper

76 100

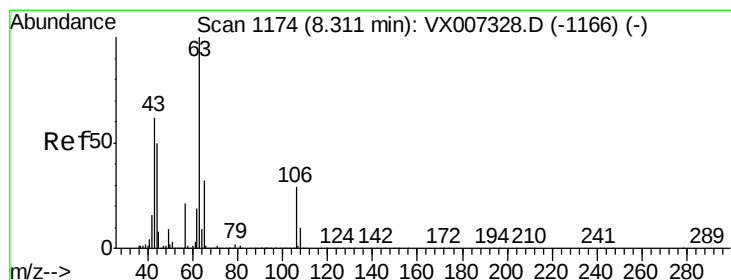
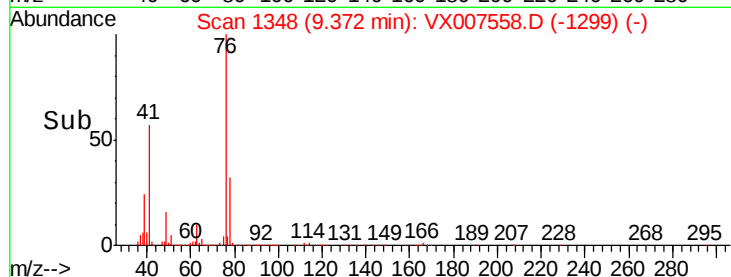
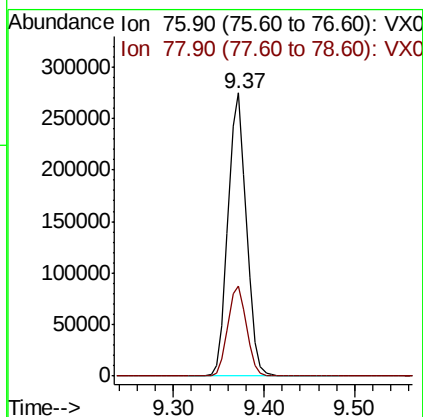
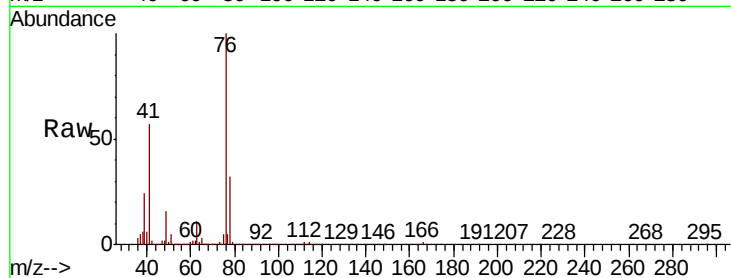
78 32.3 25.8 38.8

Manual Integrations

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MMDadoda

2/15/2019 10:10:32 AM



#58

2-Chloroethyl Vinyl ether

Concen: 260.352 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007558.D

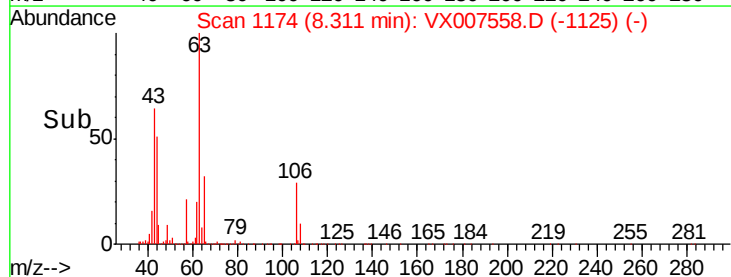
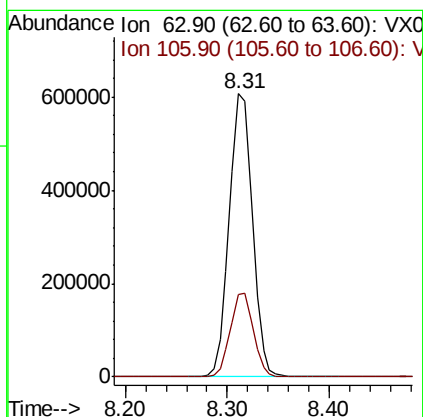
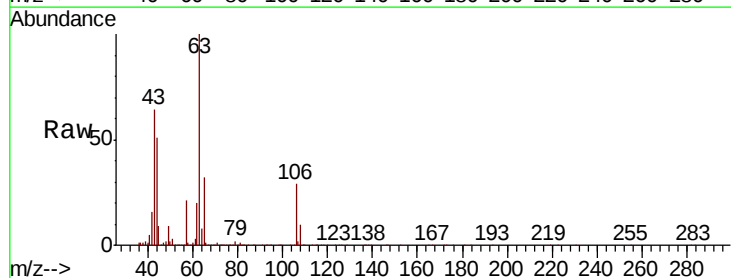
Acq: 14 Feb 2019 20:48

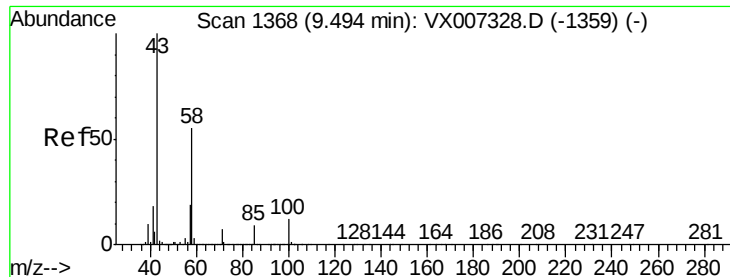
Tgt Ion: 63 Resp: 957050

Ion Ratio Lower Upper

63 100

106 29.4 23.6 35.4





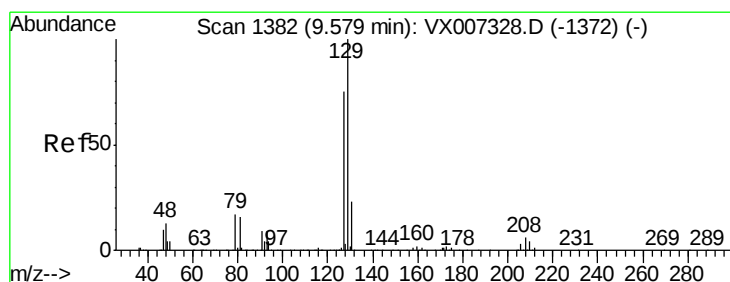
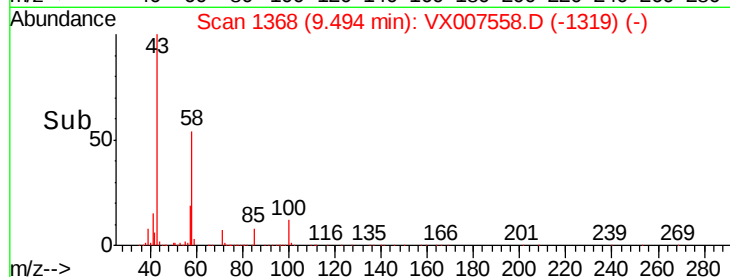
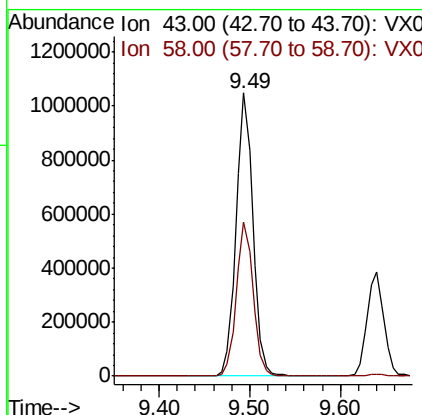
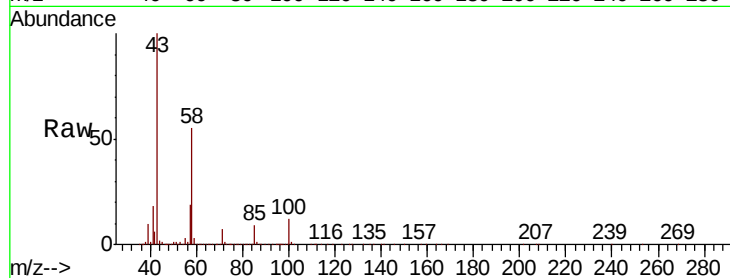
#59
2-Hexanone
Concen: 266.053 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1351668
Ion Ratio Lower Upper
43 100
58 54.1 27.1 81.3

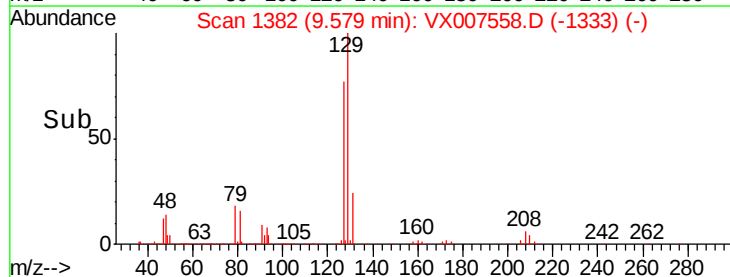
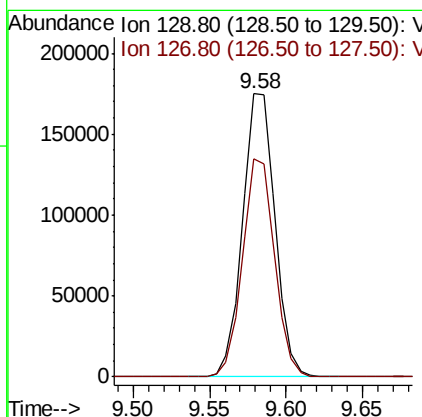
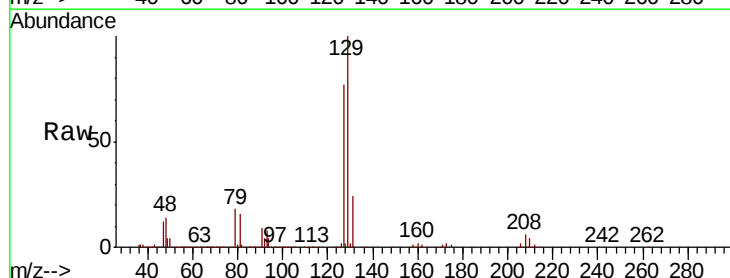
Manual Integrations
APPROVED

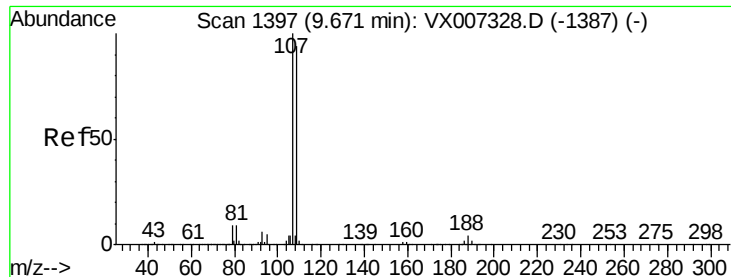
MMDadoda
2/15/2019 10:10:32 AM



#60
Dibromochloromethane
Concen: 54.131 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion: 129 Resp: 257794
Ion Ratio Lower Upper
129 100
127 76.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.144 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 262066

Ion Ratio Lower Upper

107 100

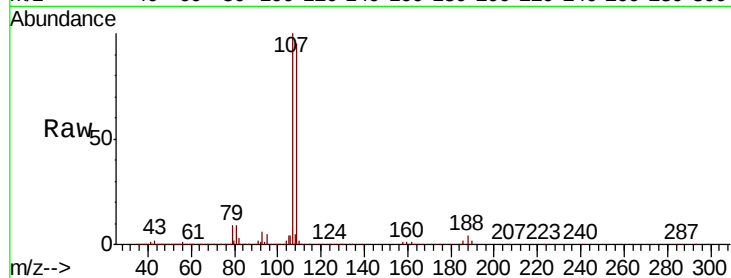
109 95.3 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

2/15/2019 10:10:32 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

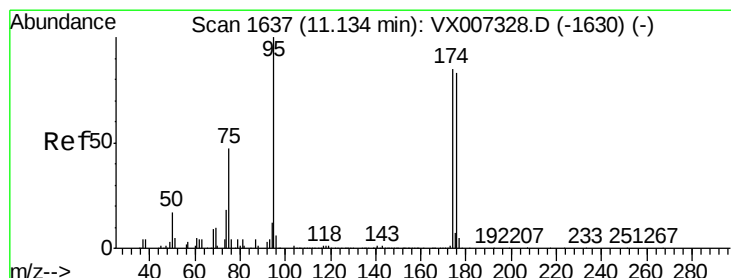
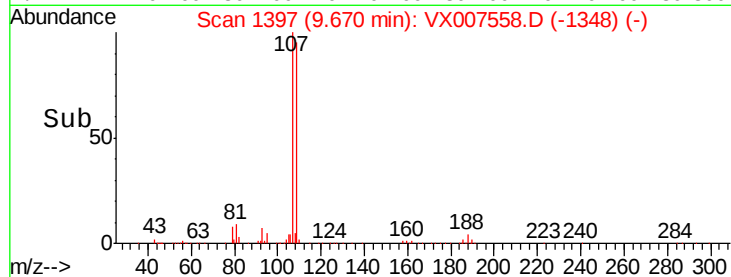
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.438 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

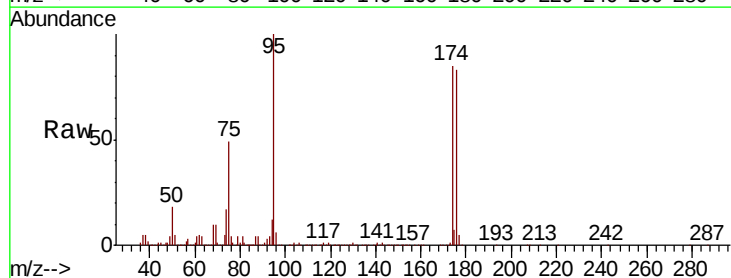
Tgt Ion: 95 Resp: 308680

Ion Ratio Lower Upper

95 100

174 93.1 0.0 189.2

176 90.1 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

11.13

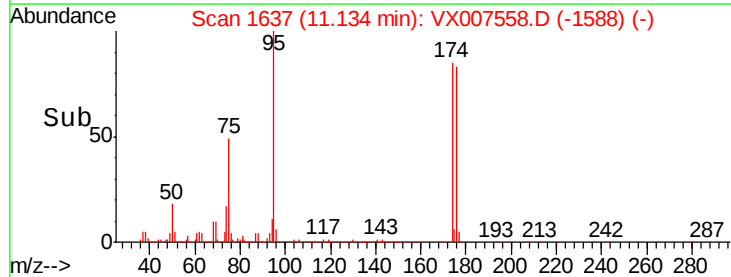
300000

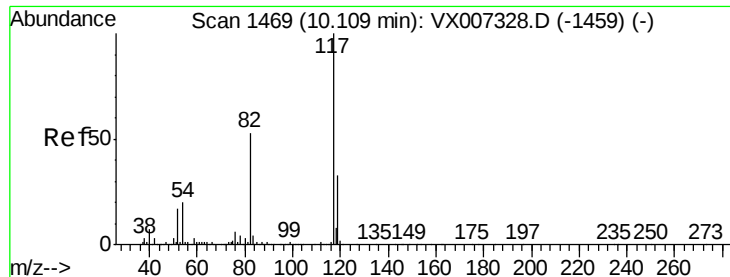
200000

100000

0

Time-->





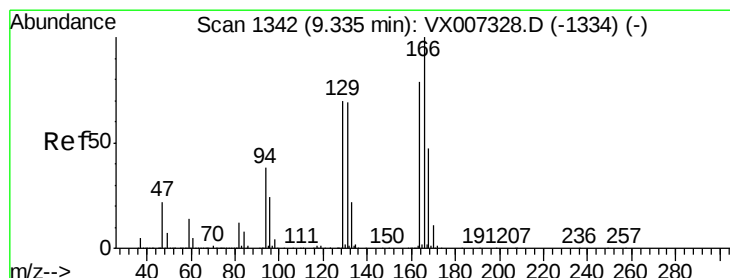
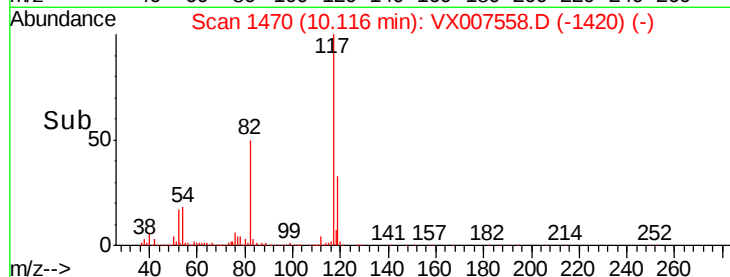
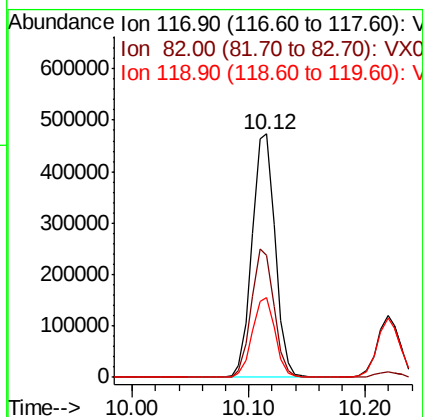
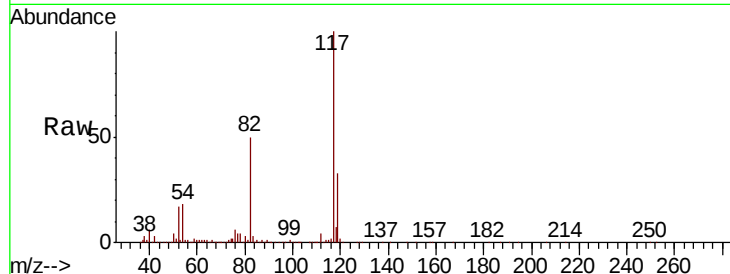
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	42.1	63.1
119	32.8	26.5	39.7

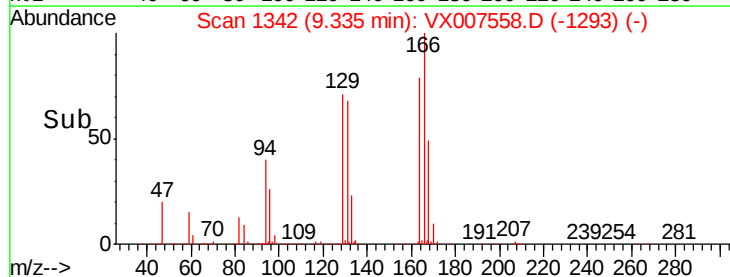
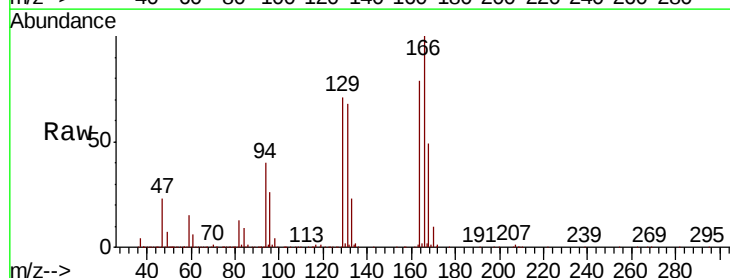
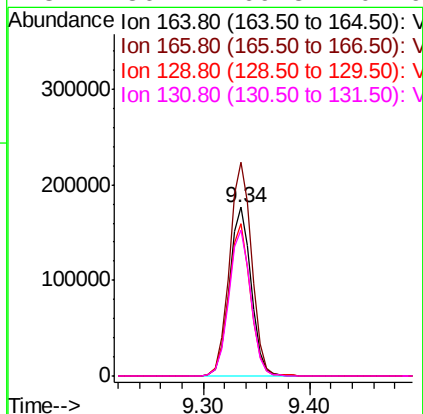
Manual Integrations
APPROVED

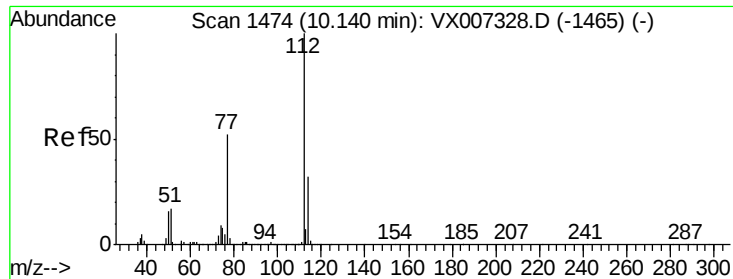
MMDadoda
2/15/2019 10:10:32 AM



#64
Tetrachloroethene
Concen: 41.024 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.0	151.4
129	90.1	70.5	105.7
131	86.4	69.8	104.6





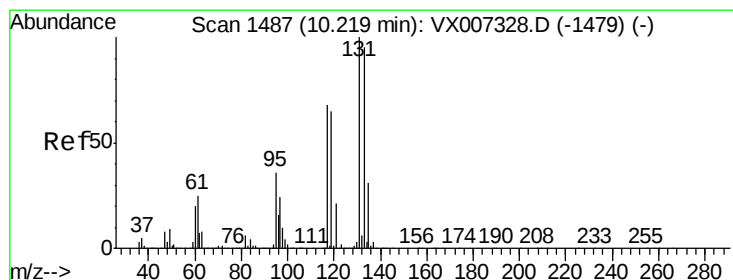
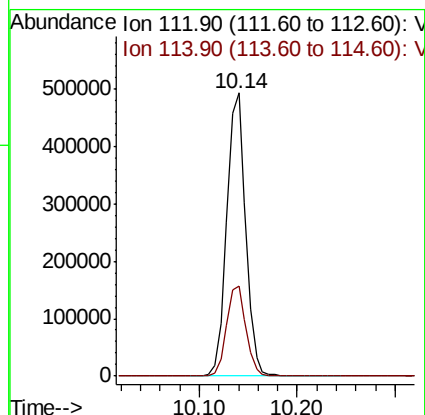
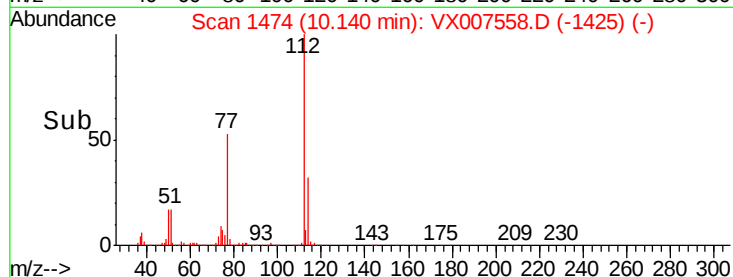
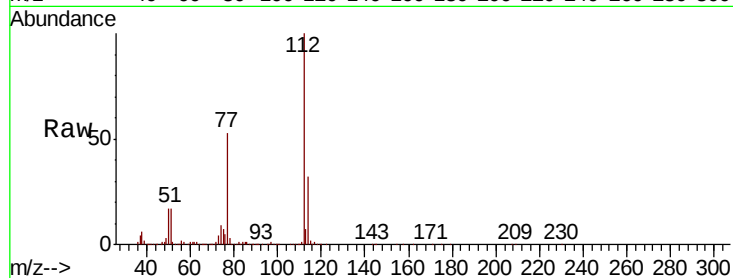
#65
Chlorobenzene
Concen: 46.016 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	660312		
114	32.0	25.8	38.6	

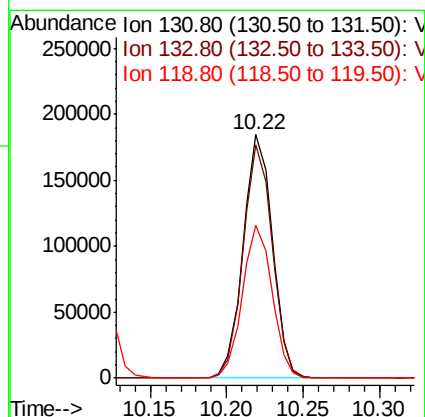
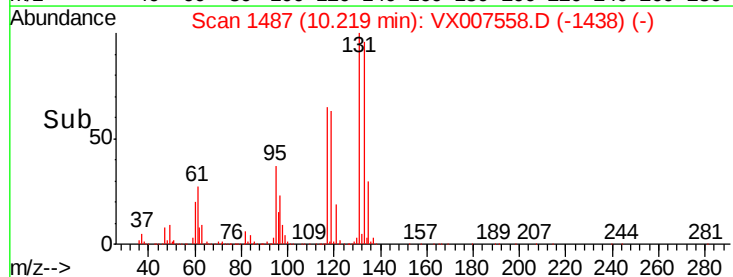
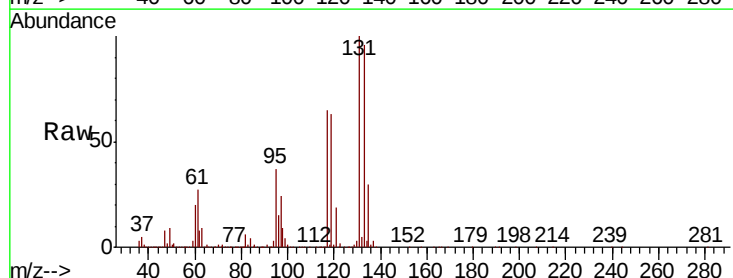
Manual Integrations
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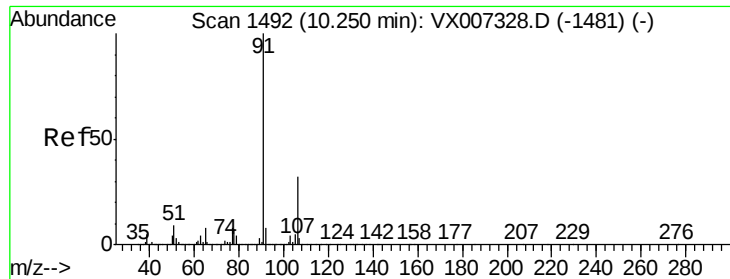
MMDadoda
2/15/2019 10:10:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.161 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	246135		
133	95.6	48.0	144.2	
119	63.4	32.0	96.0	





#67

Ethyl Benzene

Concen: 50.030 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1156098

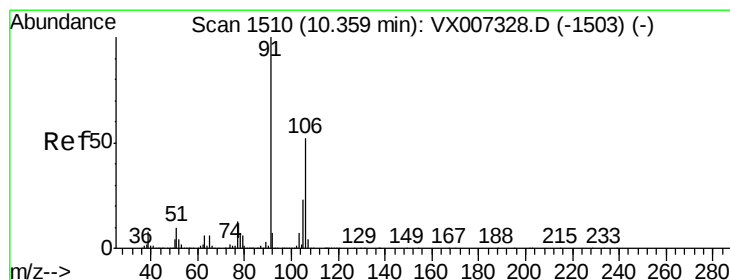
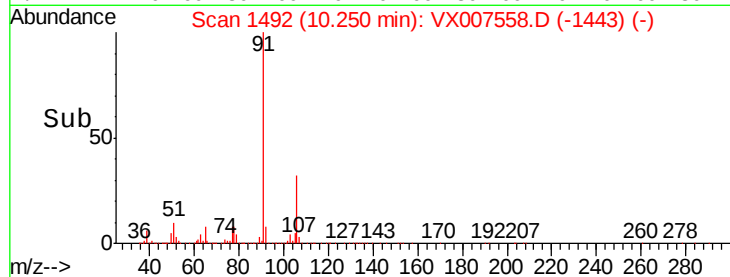
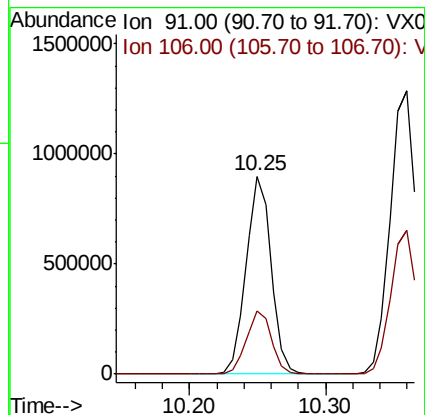
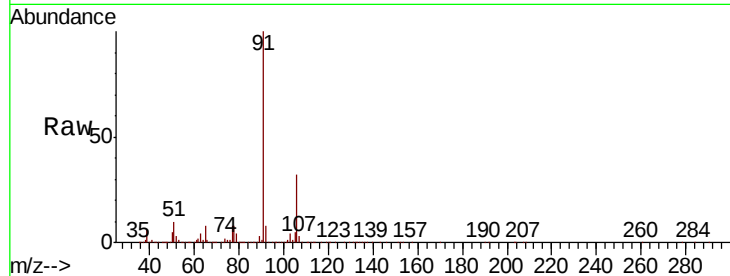
Ion Ratio Lower Upper

91 100

106 31.9 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:32 AM



#68

m/p-Xylenes

Concen: 94.821 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007558.D

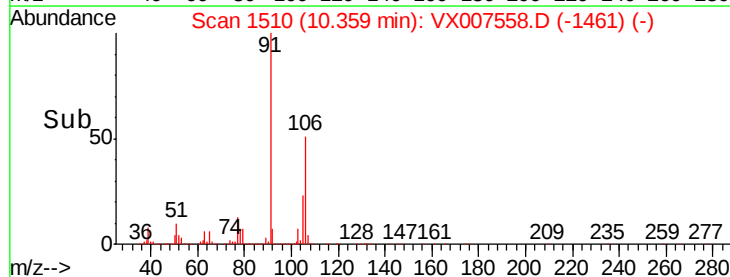
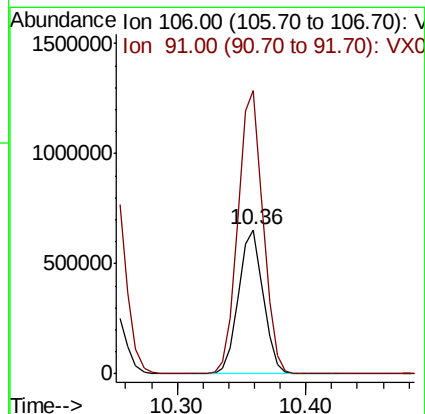
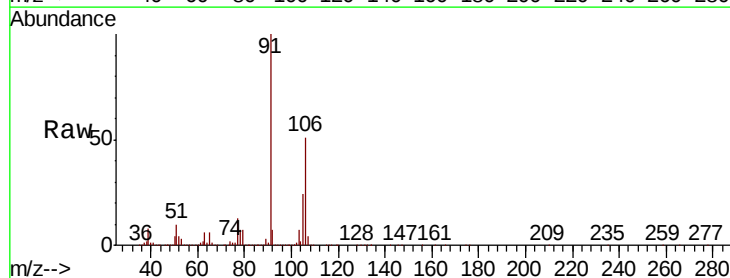
Acq: 14 Feb 2019 20:48

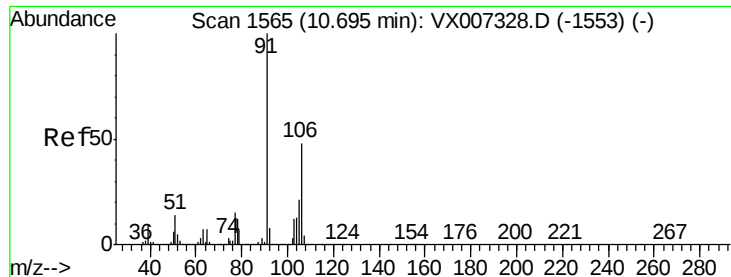
Tgt Ion: 106 Resp: 871005

Ion Ratio Lower Upper

106 100

91 199.7 156.6 234.8





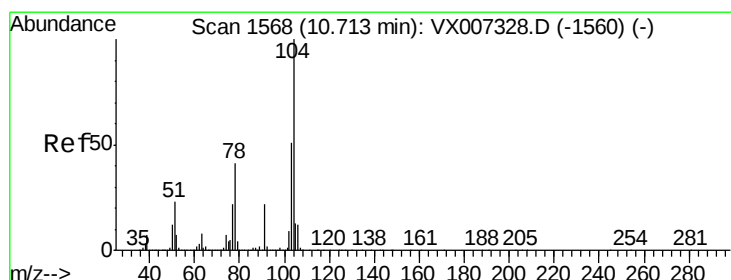
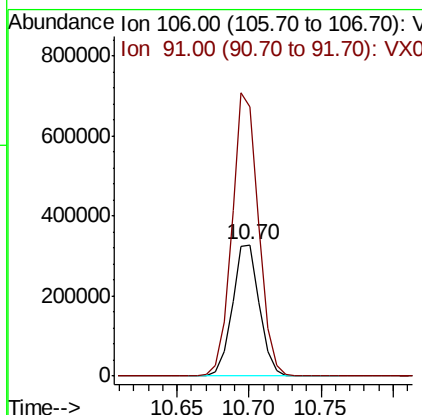
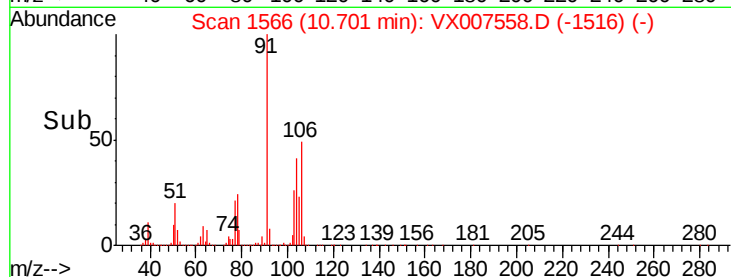
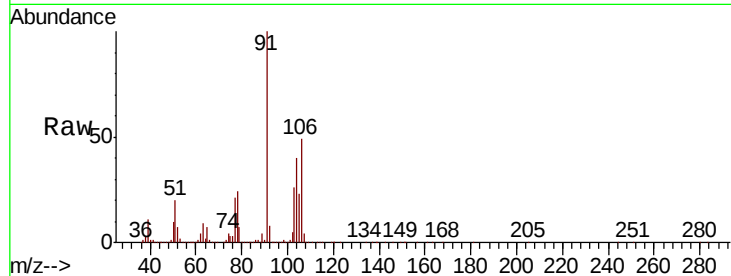
#69
o-Xylene
Concen: 48.685 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
430326	106	100		
	91	211.4	102.9	308.7

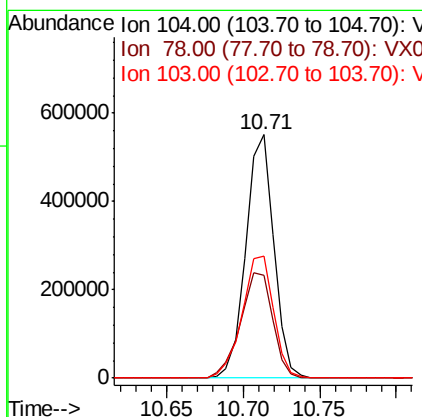
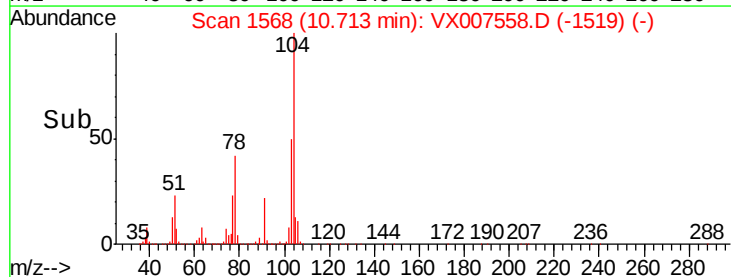
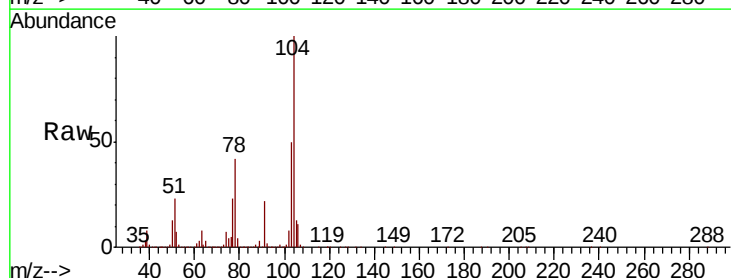
Manual Integrations
APPROVED

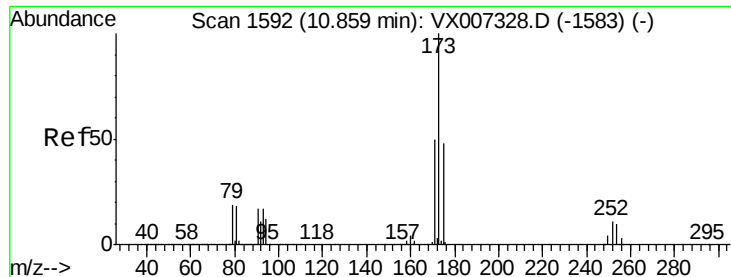
MMDadoda
2/15/2019 10:10:32 AM



#70
Styrene
Concen: 49.015 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ion	Ratio	Lower	Upper
702615	104	100		
	78	49.8	38.3	57.5
	103	56.0	44.6	67.0





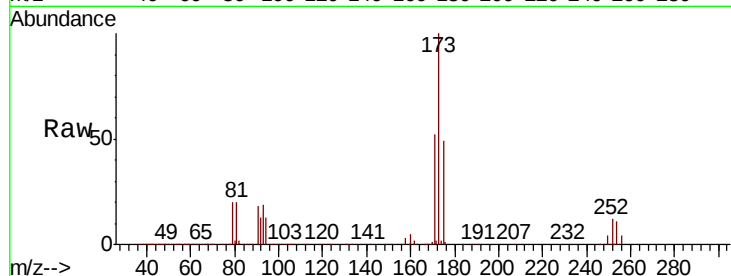
#71
Bromoform
Concen: 47.102 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.1	0.2	0.2

Manual Integrations
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2/15/2019 10:10:32 AM

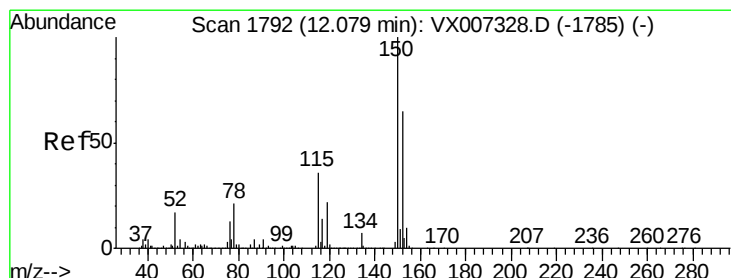
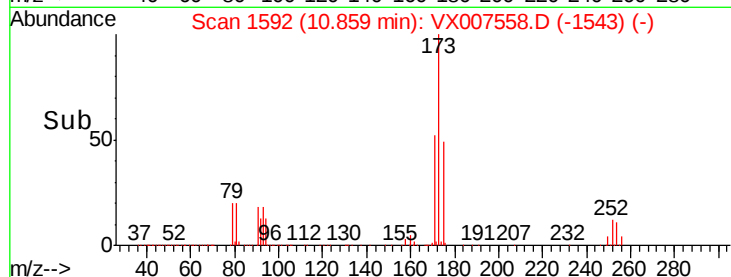
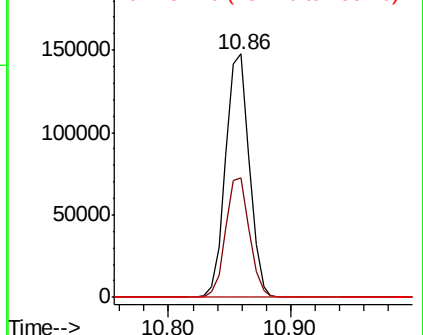


Abundance

Ion 172.70 (172.40 to 173.40): V

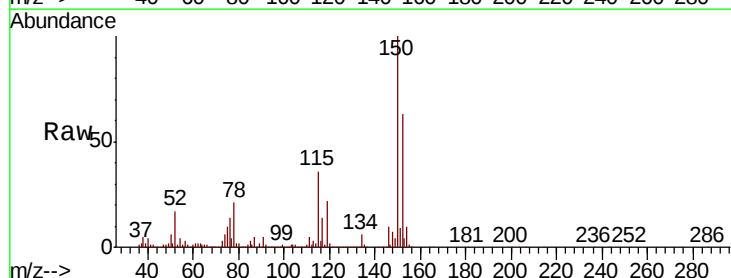
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.6	38.0	114.0
150	174.1	0.0	346.4

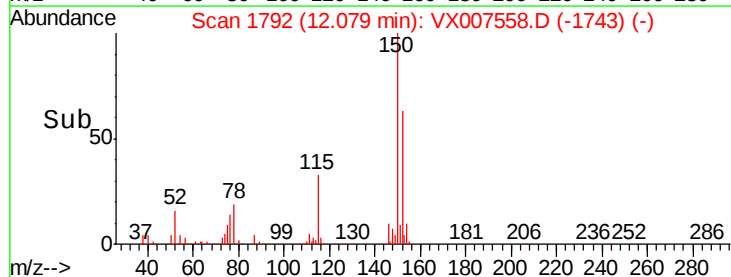
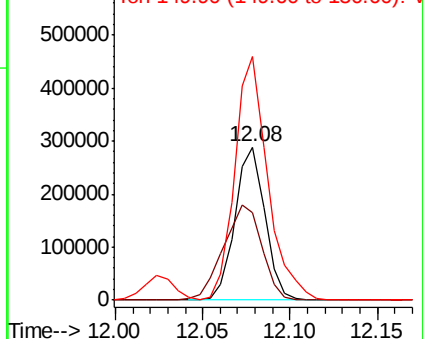


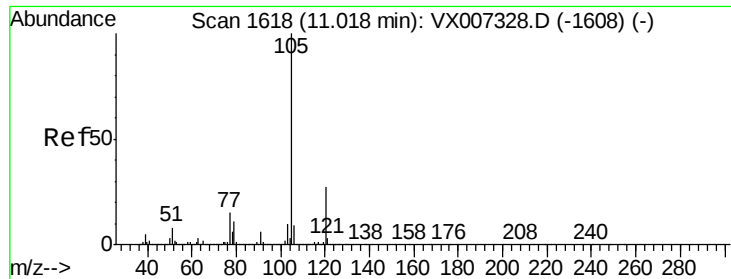
Abundance

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: 50.194 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1174844

Ion Ratio Lower Upper

105 100

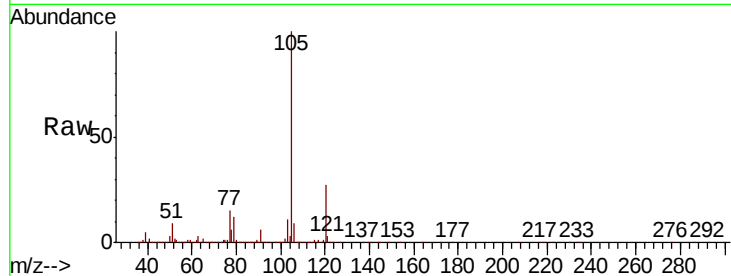
120 27.1 13.6 40.7

Manual Integrations

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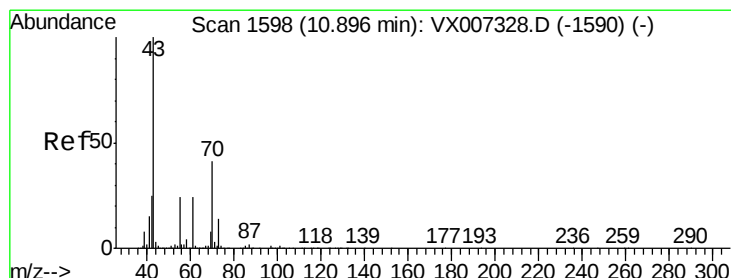
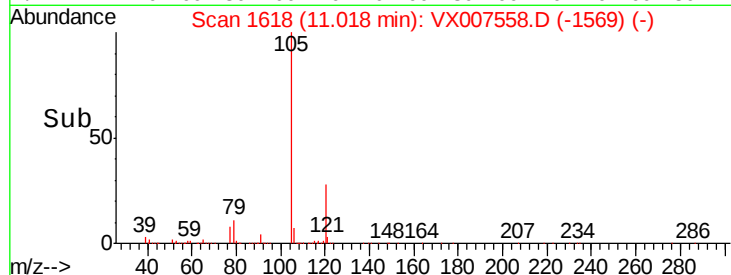
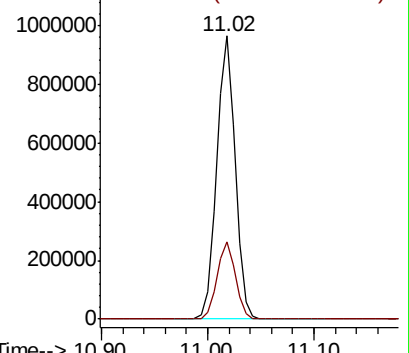
MMDadoda

2/15/2019 10:10:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.591 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Tgt Ion: 43 Resp: 494226

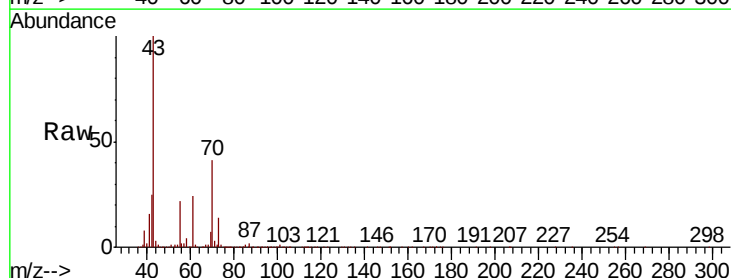
Ion Ratio Lower Upper

43 100

70 40.8 33.8 50.6

55 22.6 19.5 29.3

61 23.6 19.4 29.2

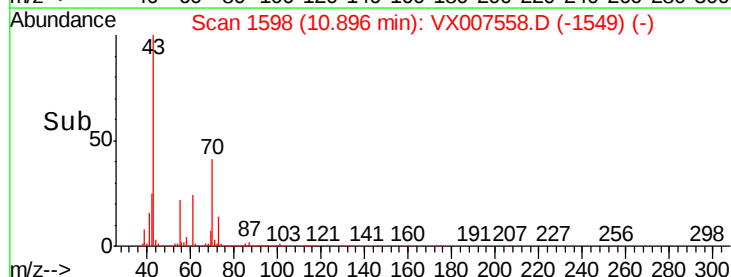
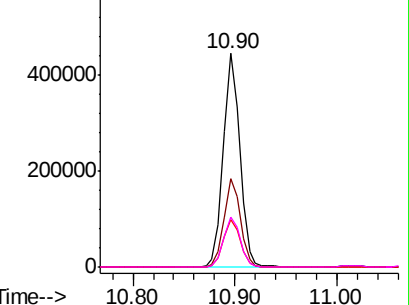


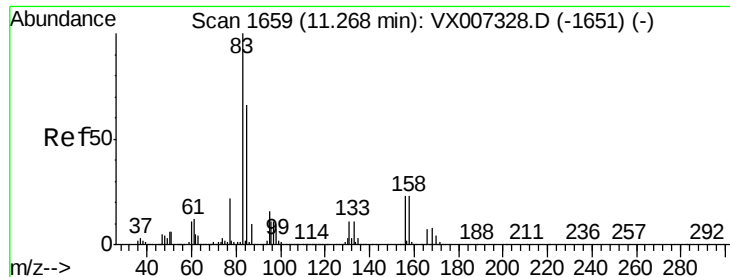
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.133 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

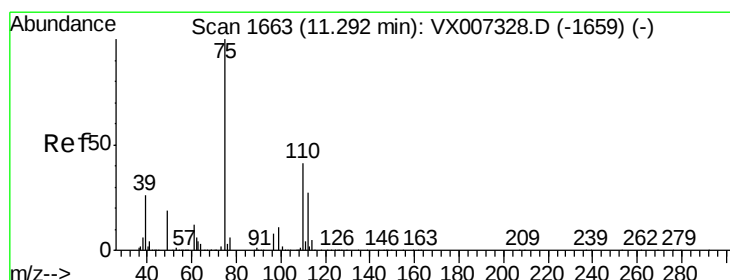
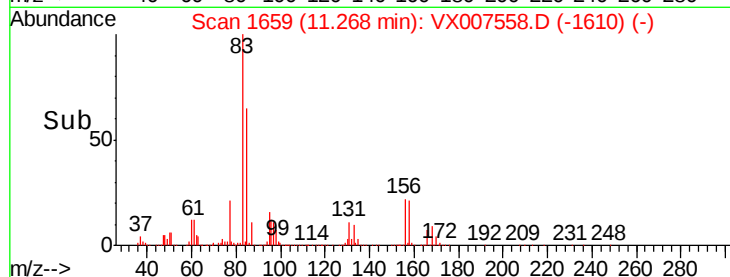
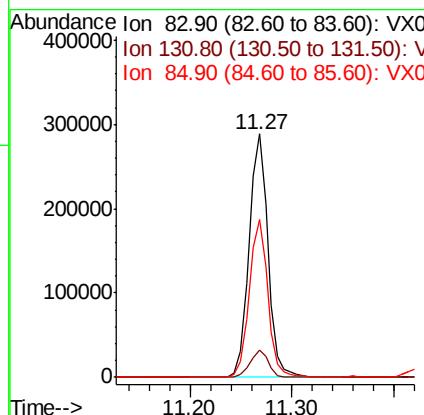
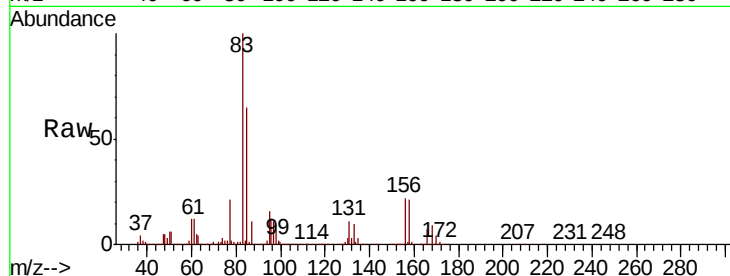
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	371873
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.0
85	64.0	32.8	98.3

Manual Integrations
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MMDadoda
2/15/2019 10:10:32 AM



#76

1,2,3-Trichloropropane

Concen: 52.016 ug/l m

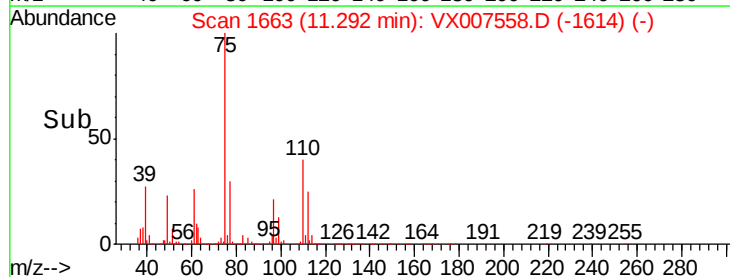
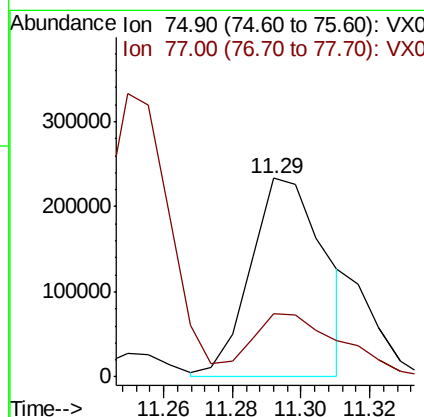
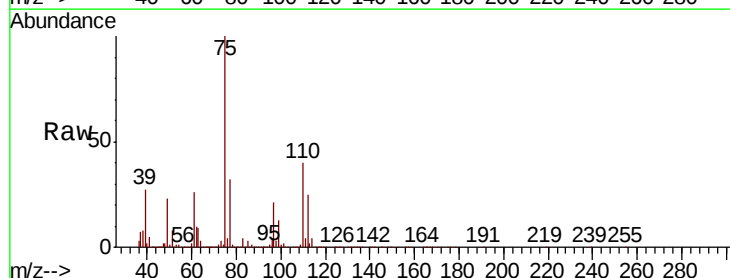
RT: 11.29 min Scan# 1663

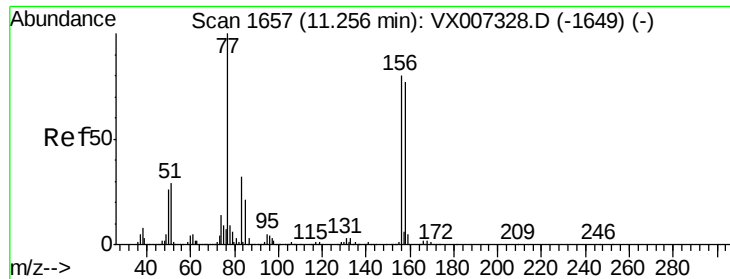
Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Tgt Ion:	75	Resp:	348485
Ion Ratio	Lower	Upper	
75	100		
77	38.9	23.0	69.0





#77

Bromobenzene

Concen: 47.145 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

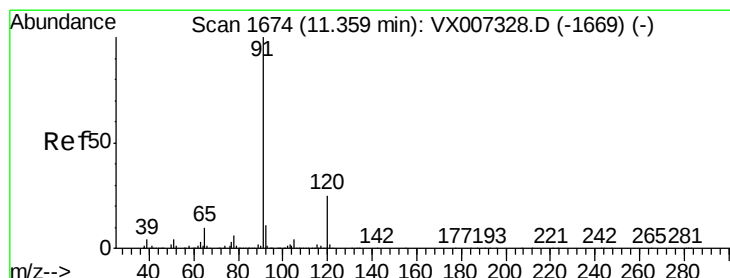
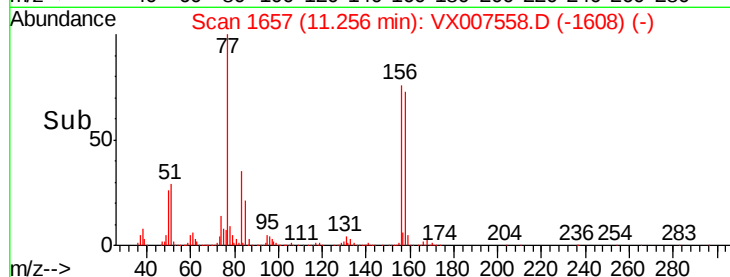
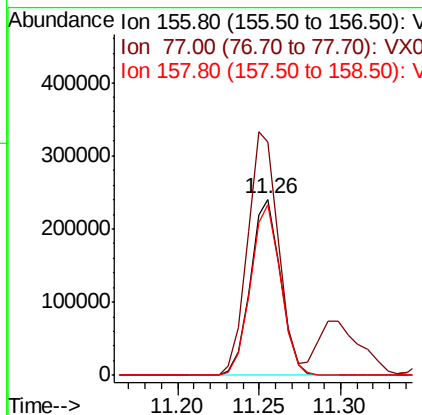
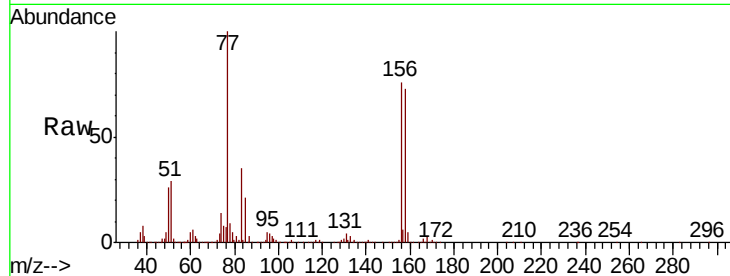
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	310912
Ion Ratio	Lower	Upper	
156	100		
77	140.2	66.8	200.6
158	96.6	47.9	143.8

Manual Integrations
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MMDadoda
2/15/2019 10:10:32 AM



#78

n-propylbenzene

Concen: 51.522 ug/l

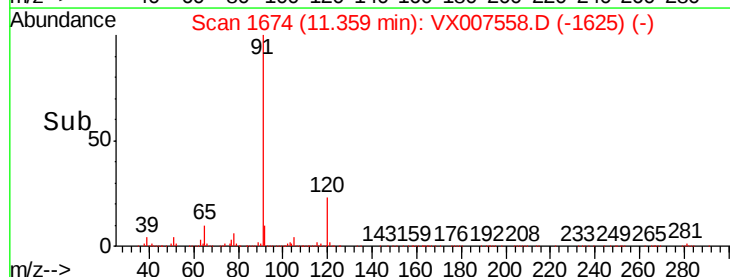
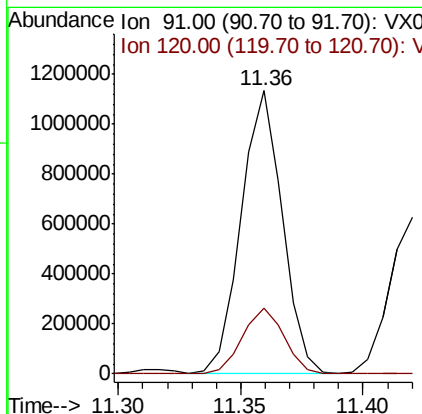
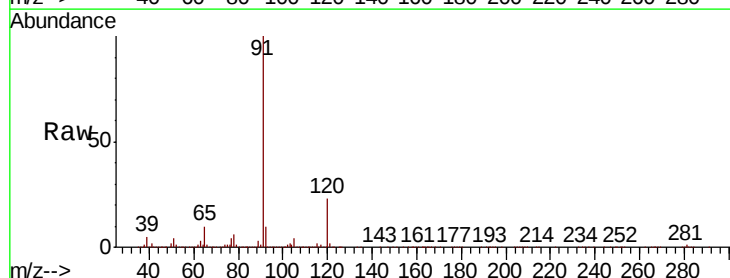
RT: 11.36 min Scan# 1674

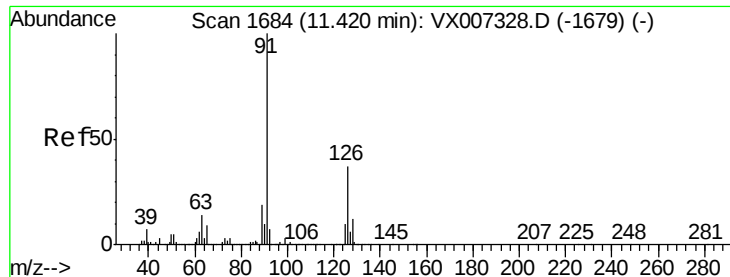
Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Tgt Ion:	91	Resp:	1322371
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.4	37.2





#79

2-Chlorotoluene

Concen: 49.059 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 764027

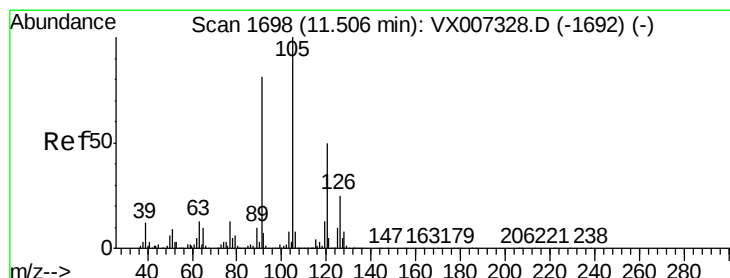
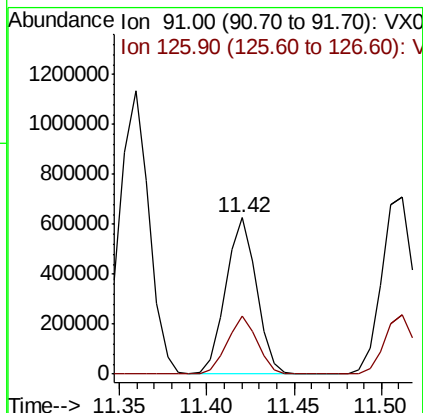
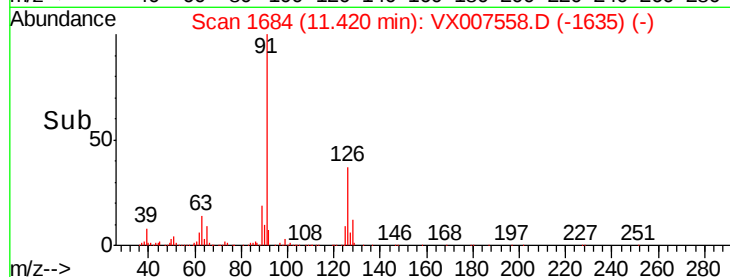
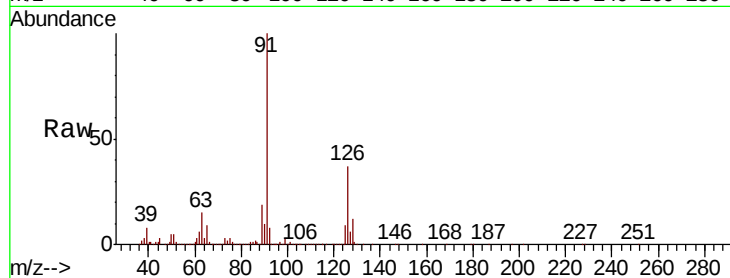
Ion Ratio Lower Upper

91 100

126 36.5 18.7 56.1

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:32 AM



#80

1,3,5-Trimethylbenzene

Concen: 50.599 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007558.D

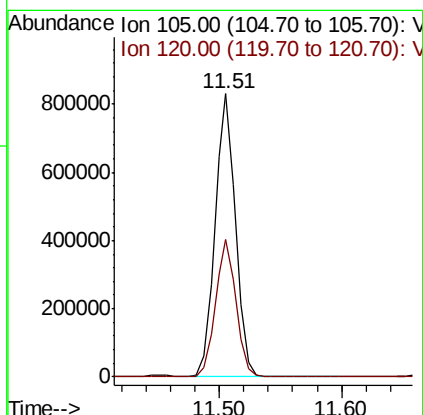
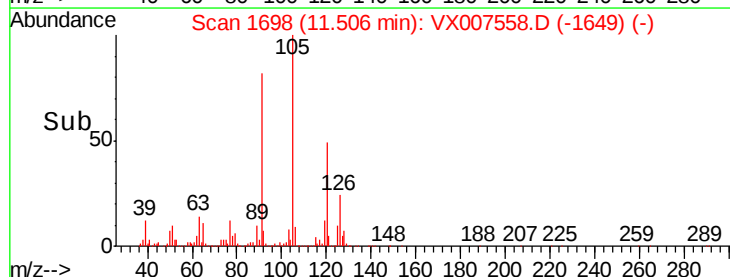
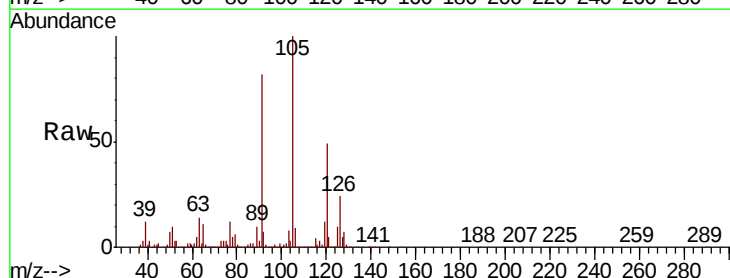
Acq: 14 Feb 2019 20:48

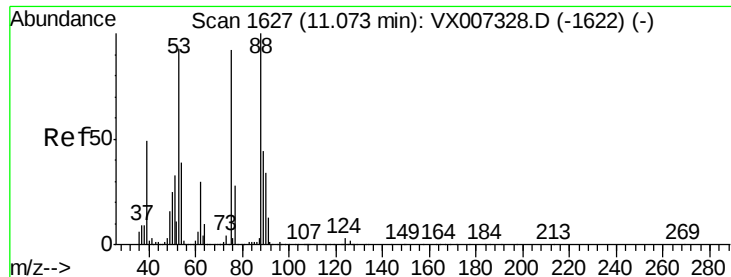
Tgt Ion: 105 Resp: 968915

Ion Ratio Lower Upper

105 100

120 48.7 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.848 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

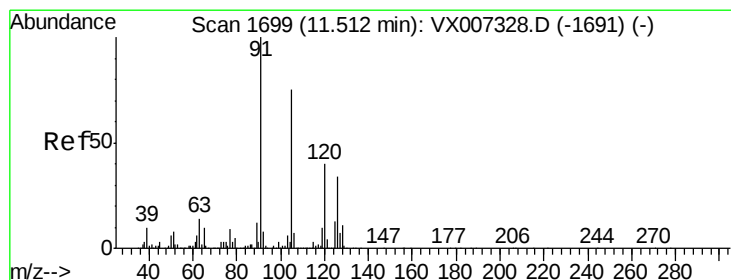
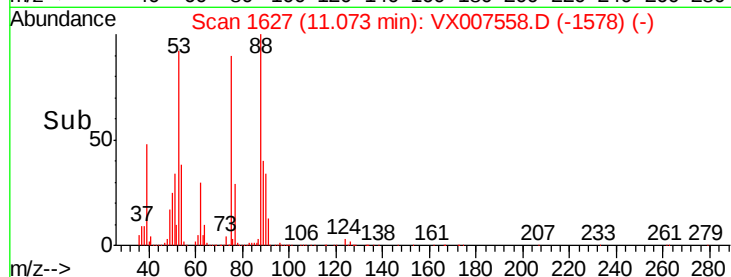
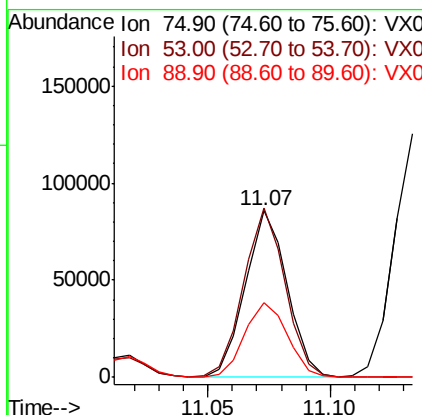
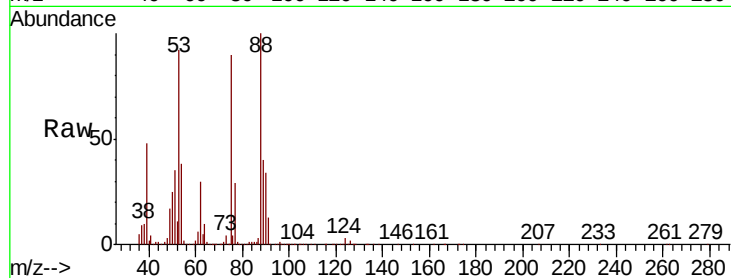
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	100912
Ion Ratio	Lower	Upper	
75	100		
53	101.4	81.0	121.6
89	46.8	41.4	62.0

Manual Integrations
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MMDadoda
2/15/2019 10:10:32 AM



#82

4-Chlorotoluene

Concen: 49.988 ug/l

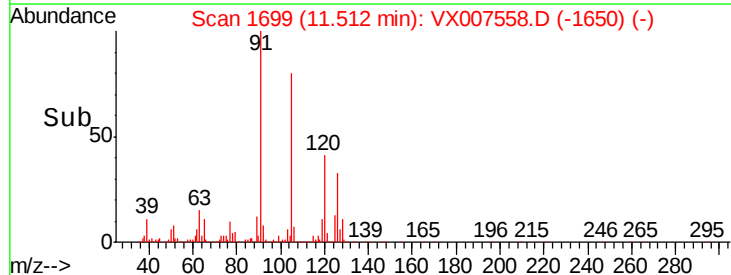
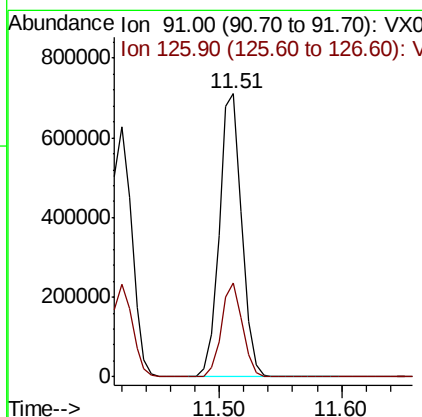
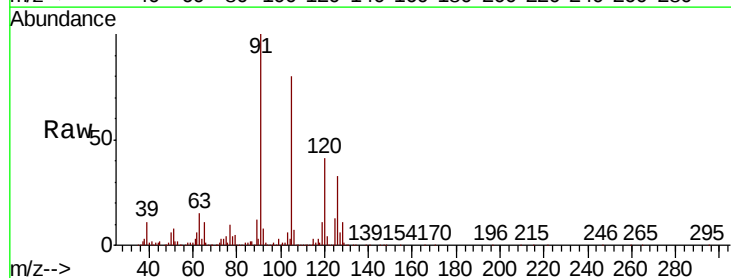
RT: 11.51 min Scan# 1699

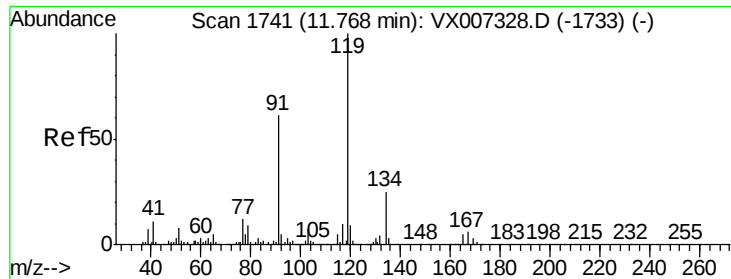
Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Tgt Ion:	91	Resp:	900812
Ion Ratio	Lower	Upper	
91	100		
126	31.3	16.2	48.5





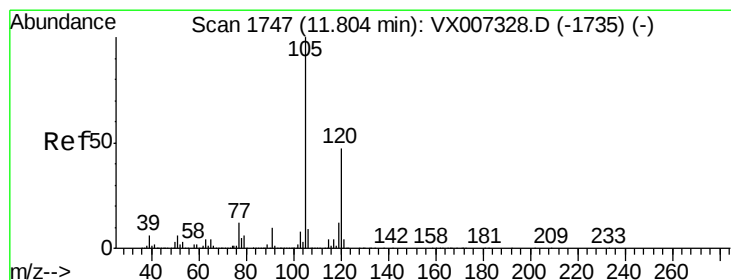
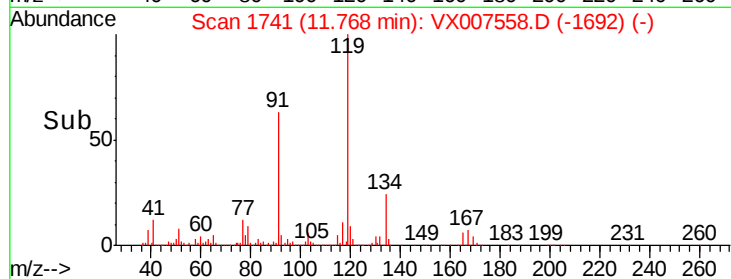
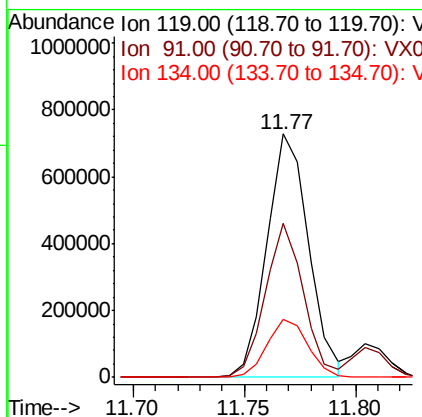
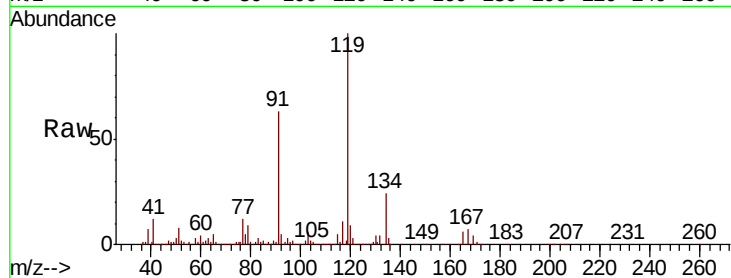
#83
tert-Butylbenzene
Concen: 49.897 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.0	28.5	85.6
134	23.6	12.0	36.0

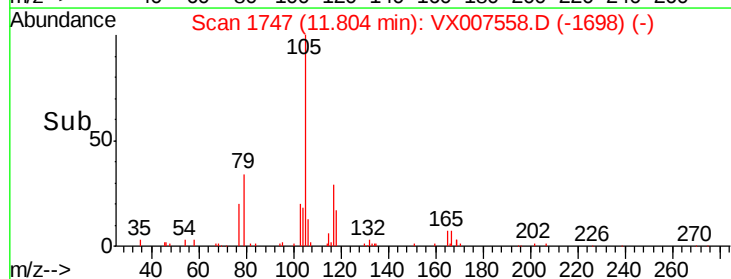
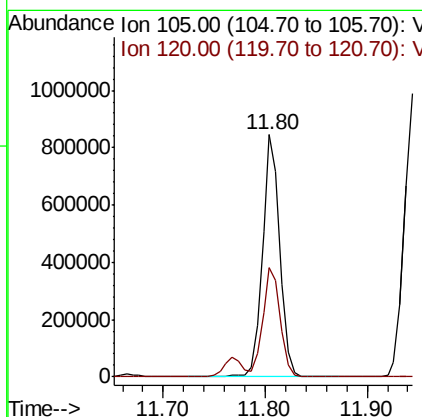
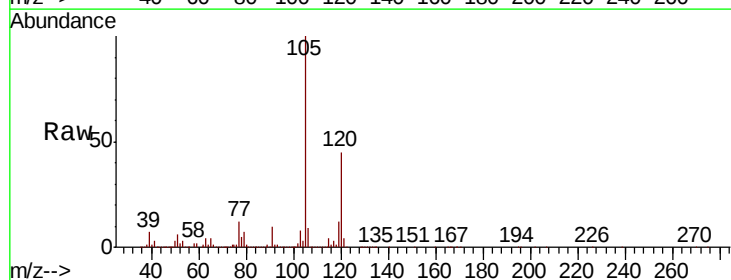
Manual Integrations
APPROVED

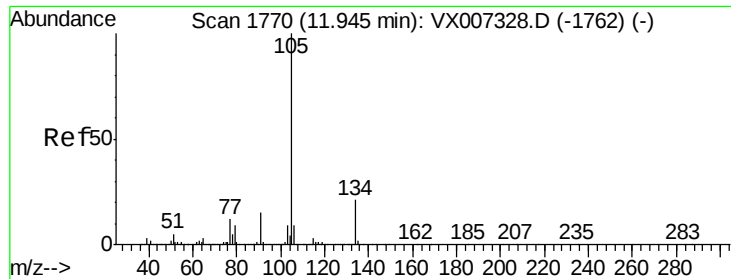
MMDadoda
2/15/2019 10:10:32 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.347 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 50.321 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1154659

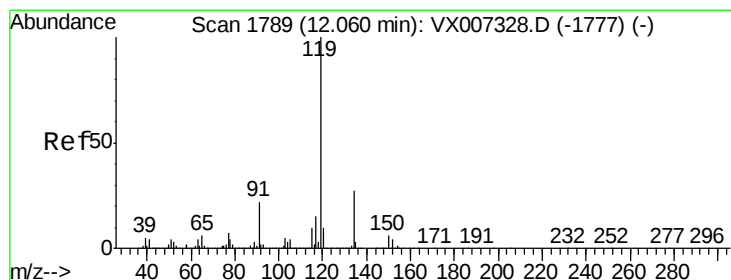
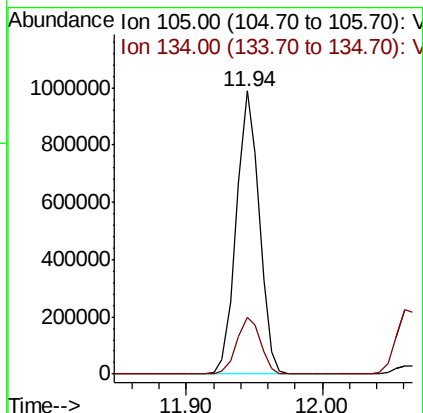
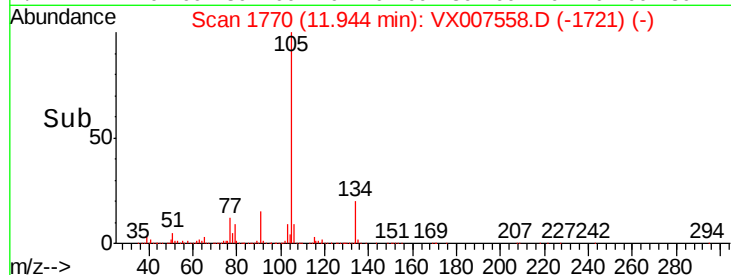
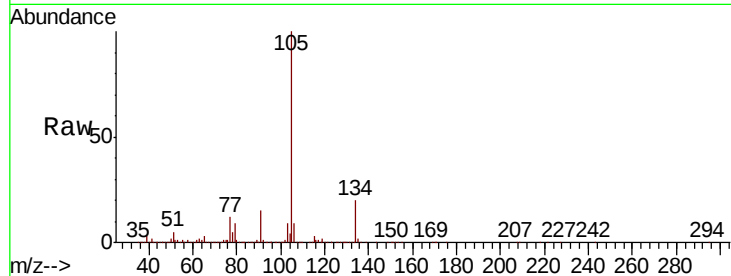
Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:32 AM



#86

p-Isopropyltoluene

Concen: 49.948 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

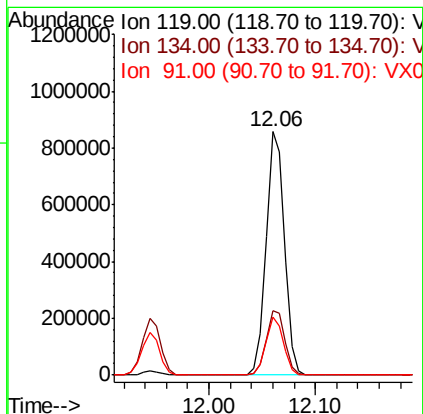
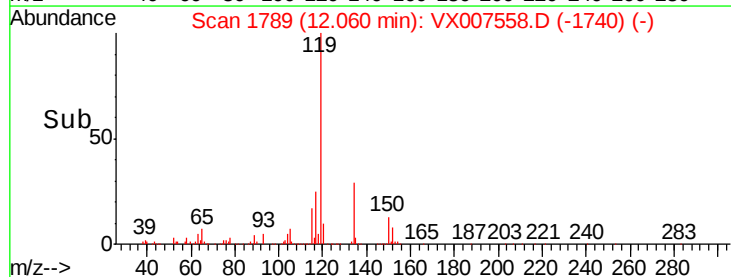
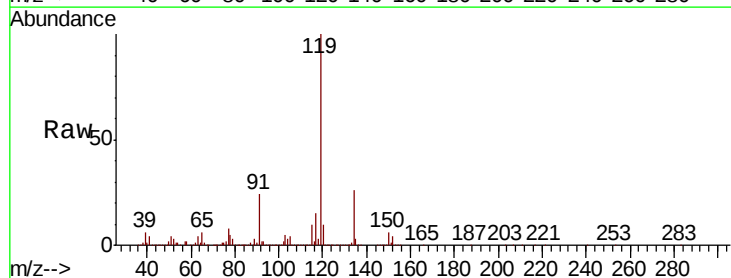
Tgt Ion:119 Resp: 1034580

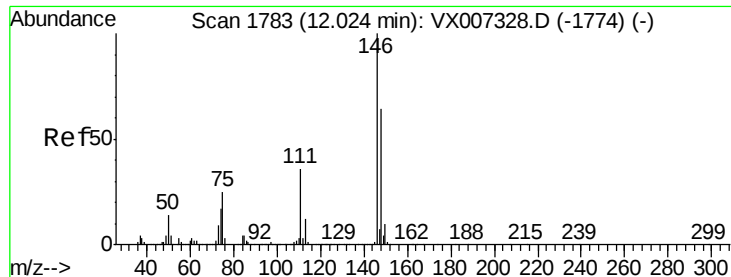
Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.1

91 23.3 11.2 33.5





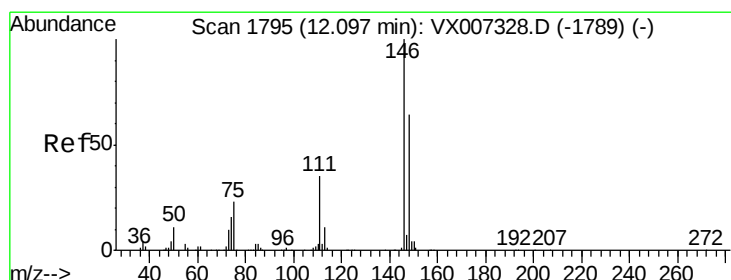
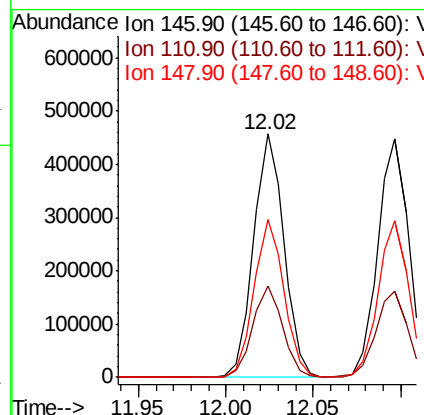
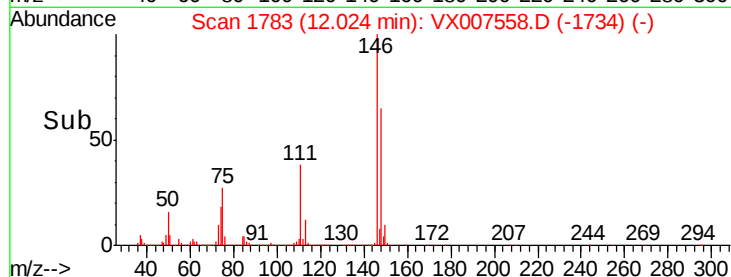
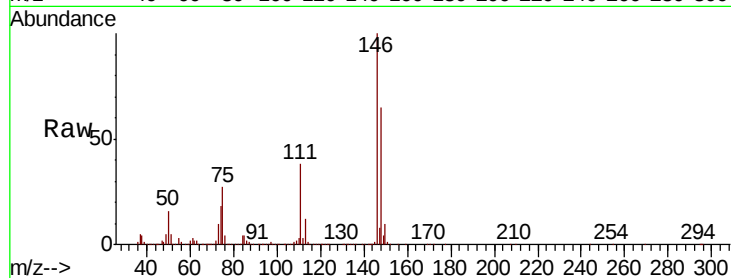
#87
 1,3-Dichlorobenzene
 Concen: 46.622 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007558.D
 Acq: 14 Feb 2019 20:48

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

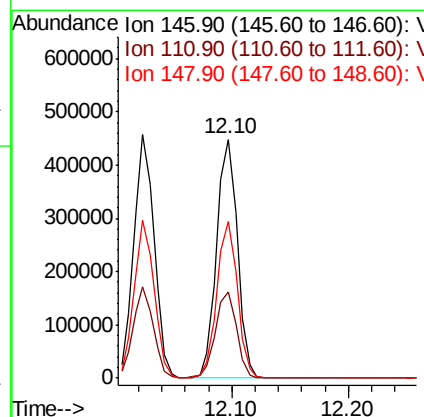
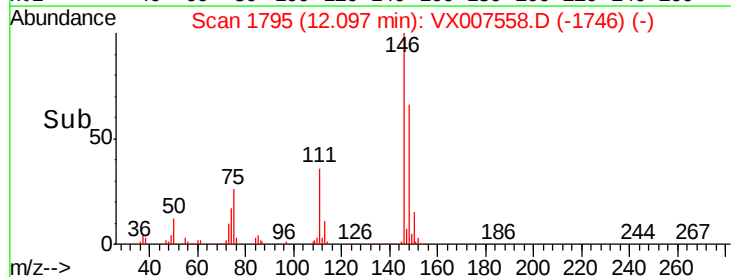
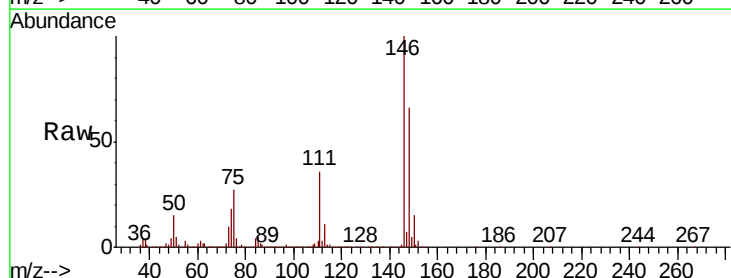
Manual Integrations
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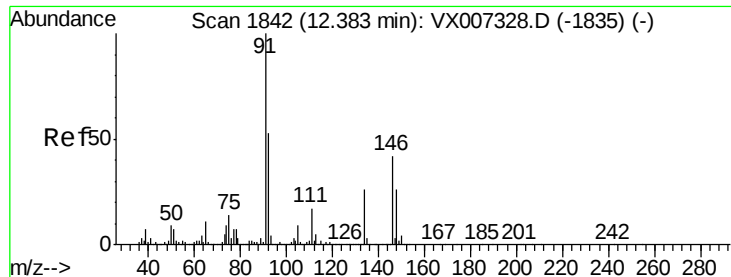
MMDadoda
 2/15/2019 10:10:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.839 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007558.D
 Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	64.7	32.3	96.9





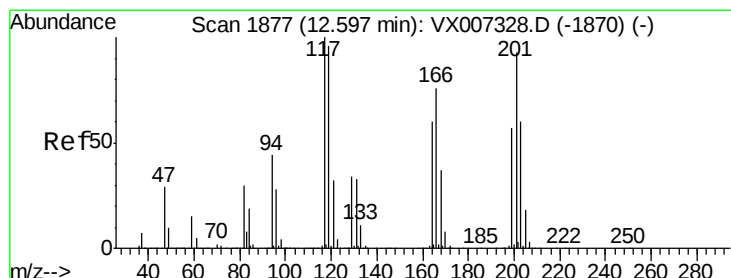
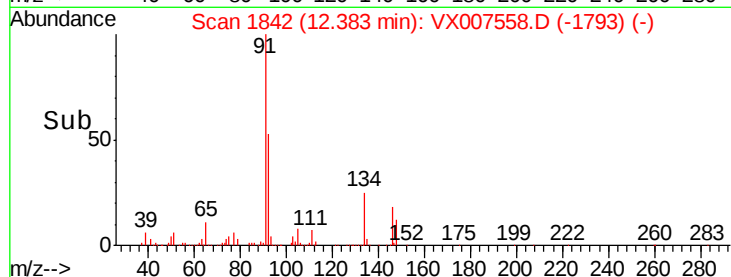
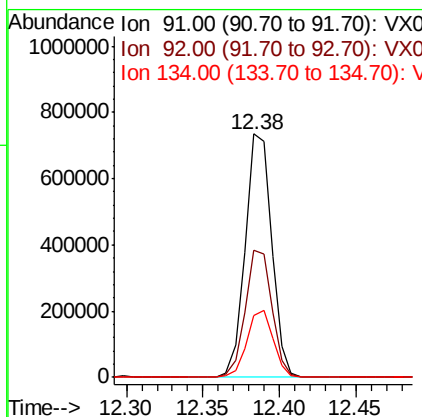
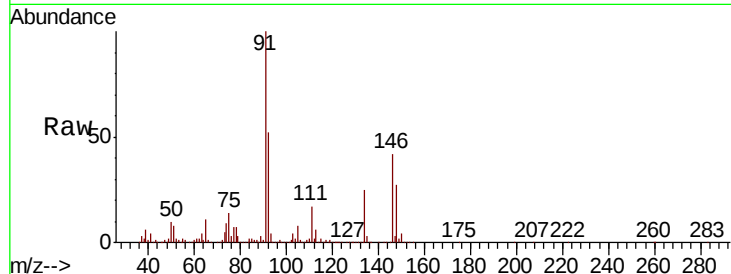
#89
n-Butylbenzene
Concen: 49.489 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	27.3	13.9	41.6

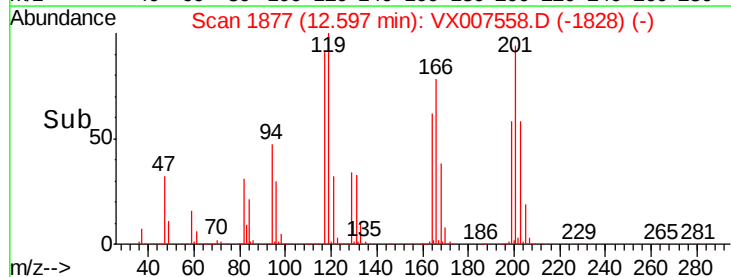
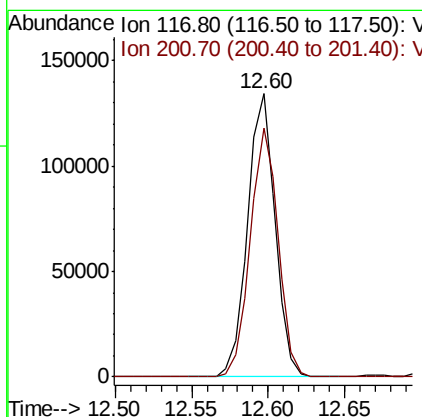
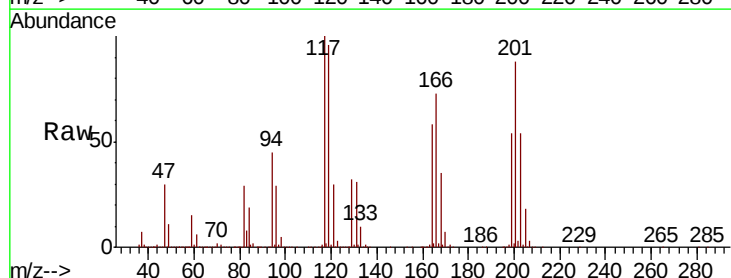
Manual Integrations
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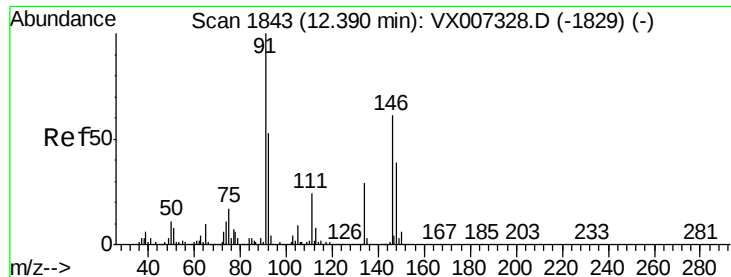
MMDadoda
2/15/2019 10:10:32 AM



#90
Hexachloroethane
Concen: 53.812 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	44.9	134.7





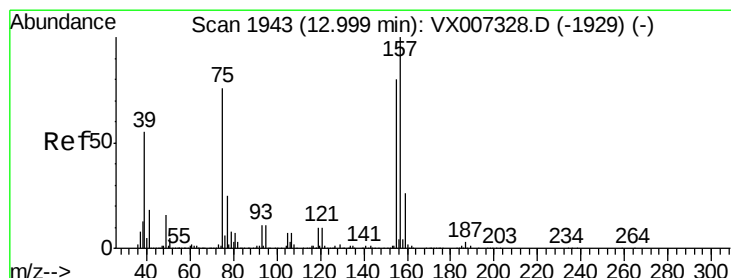
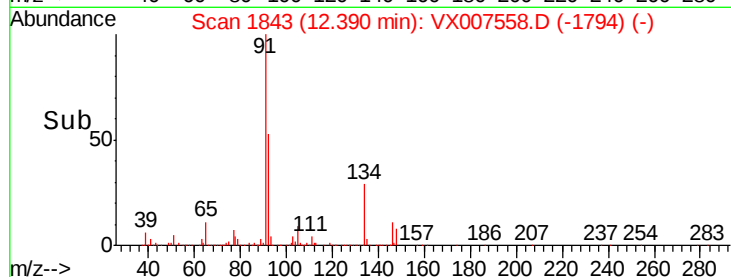
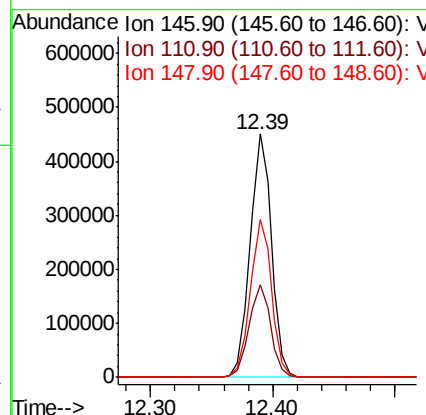
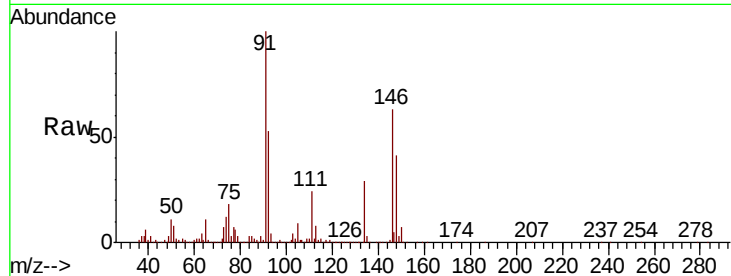
#91
1,2-Dichlorobenzene
Concen: 46.489 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	64.4	32.1	96.3

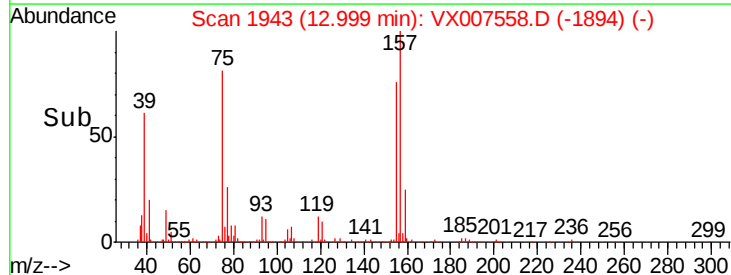
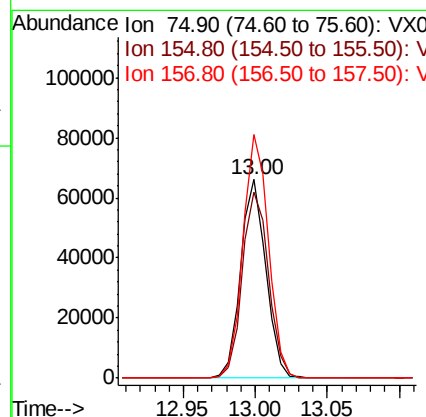
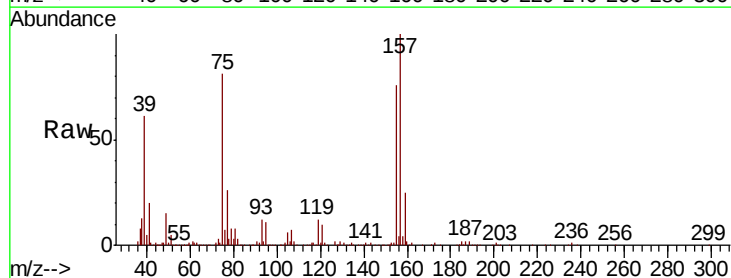
Manual Integrations
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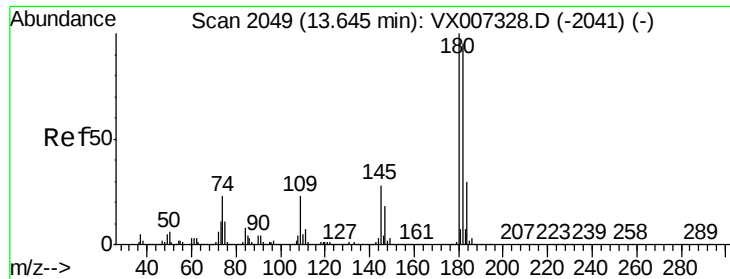
MMDadoda
2/15/2019 10:10:32 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.439 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	49.6	149.0
157	123.8	65.1	195.3





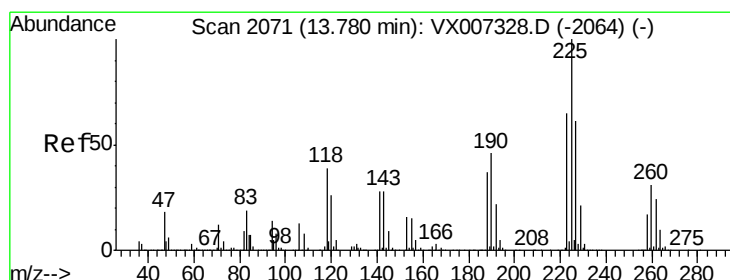
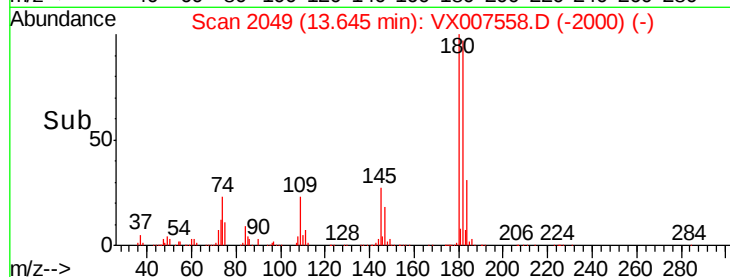
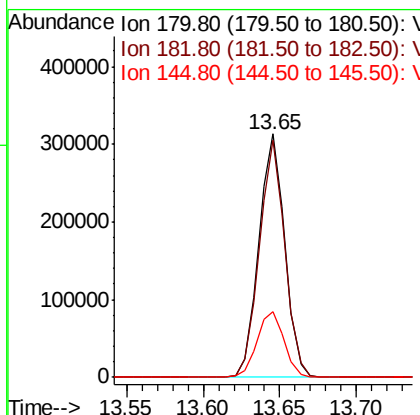
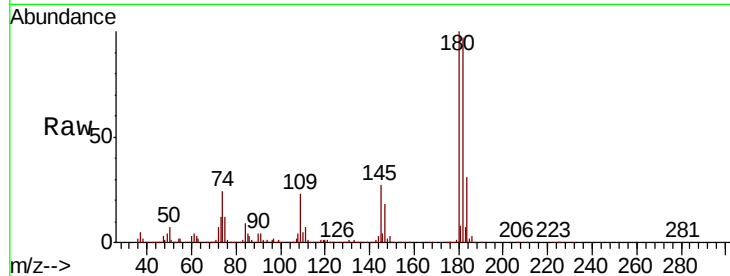
#93
1,2,4-Trichlorobenzene
Concen: 46.679 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	370786		
182	96.0	47.8	143.3	
145	28.2	14.1	42.2	

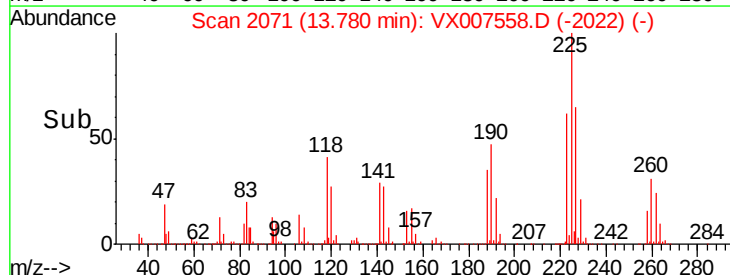
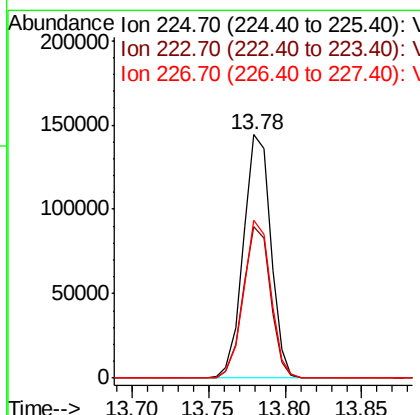
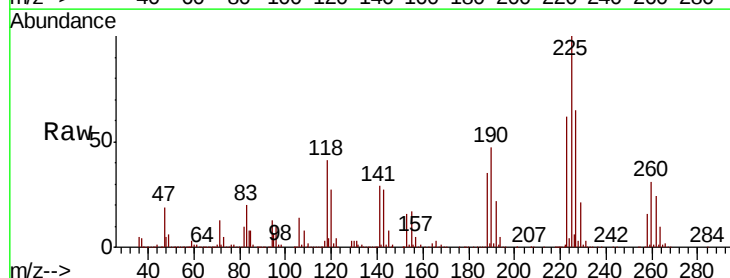
Manual Integrations
APPROVED

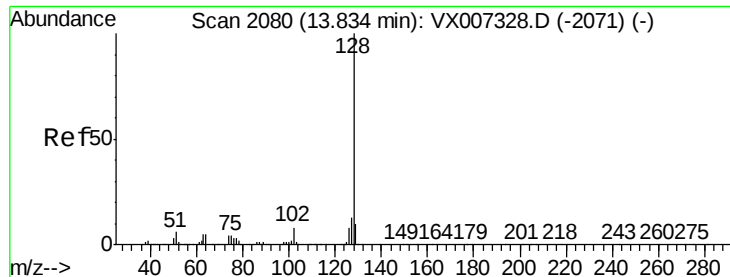
MMDadoda
2/15/2019 10:10:32 AM



#94
Hexachlorobutadiene
Concen: 46.443 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX007558.D
Acq: 14 Feb 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	179134		
223	62.3	31.6	94.8	
227	64.0	32.1	96.3	





#95

Naphthalene

Concen: 51.195 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1189202

Ion Ratio Lower Upper

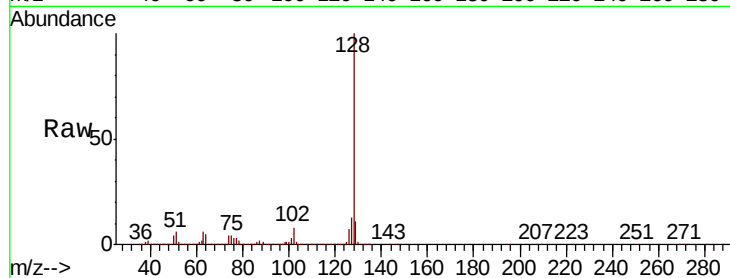
128 100

127 13.3 10.5 15.7

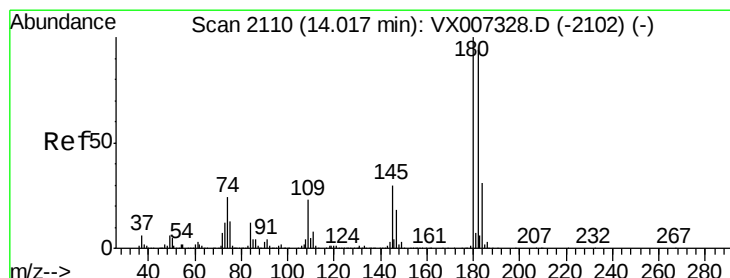
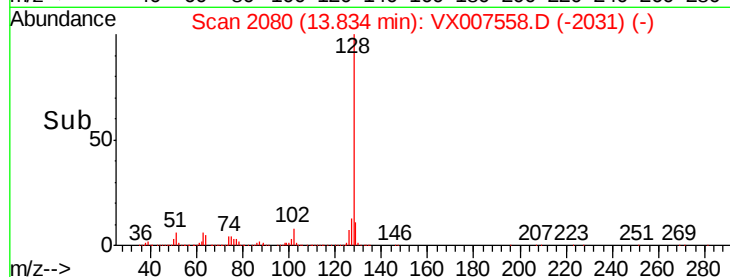
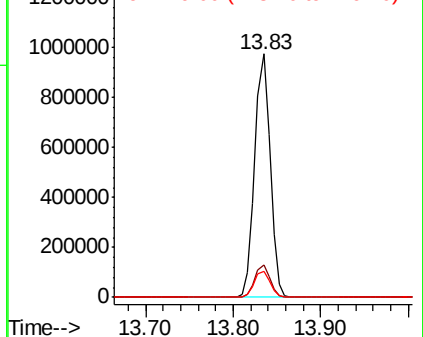
129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:10:32 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



#96

1,2,3-Trichlorobenzene

Concen: 46.069 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007558.D

Acq: 14 Feb 2019 20:48

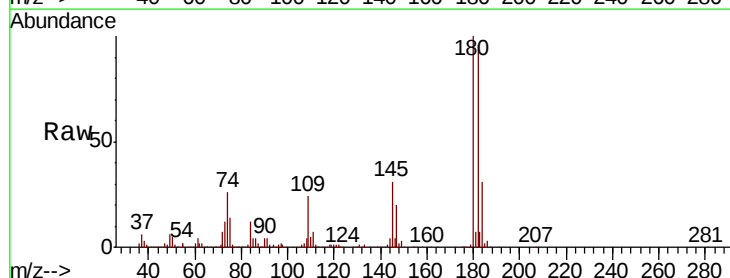
Tgt Ion:180 Resp: 368353

Ion Ratio Lower Upper

180 100

182 96.1 47.5 142.6

145 30.6 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

