

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007327.D
 Acq On : 01 Feb 2019 10:29
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:37:28 AM

Quant Time: Feb 02 00:41:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 00:12:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	464712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	680095	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	631593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	336797	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	97761	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
35) Dibromofluoromethane	5.50	113	88388	19.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.94%	
50) Toluene-d8	8.71	98	327926	19.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.94%	
62) 4-Bromofluorobenzene	11.13	95	117671	19.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	117197	22.624	ug/l	99
3) Chloromethane	1.33	50	104659	19.995	ug/l	98
4) Vinyl Chloride	1.41	62	105106	20.468	ug/l	98
5) Bromomethane	1.64	94	94769	16.213	ug/l	97
6) Chloroethane	1.73	64	62258	18.742	ug/l	98
7) Trichlorofluoromethane	1.93	101	156327	19.461	ug/l	100
8) Diethyl Ether	2.19	74	58353	19.300	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	90815	19.006	ug/l	99
10) Methyl Iodide	2.51	142	136522	19.423	ug/l	97
11) Tert butyl alcohol	3.06	59	99487	97.461	ug/l	98
12) 1,1-Dichloroethene	2.38	96	83657	18.854	ug/l	99
13) Acrolein	2.29	56	45547	95.152	ug/l	98
14) Allyl chloride	2.73	41	138430	19.148	ug/l	99
15) Acrylonitrile	3.15	53	234113	92.710	ug/l	99
16) Acetone	2.44	43	211969	93.814	ug/l	100
17) Carbon Disulfide	2.57	76	209365	17.882	ug/l	98
18) Methyl Acetate	2.78	43	115713	18.100	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	270167	18.794	ug/l	97
20) Methylene Chloride	2.86	84	93484	18.302	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	88596	18.744	ug/l	96
22) Diisopropyl ether	3.87	45	257152	19.337	ug/l	99
23) Vinyl Acetate	3.82	43	1065534	96.556	ug/l	100
24) 1,1-Dichloroethane	3.70	63	146253	19.151	ug/l	99
25) 2-Butanone	4.69	43	301500	93.765	ug/l	98
26) 2,2-Dichloropropane	4.59	77	107939	18.559	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	95816	18.560	ug/l	100
28) Bromochloromethane	5.02	49	69230	19.712	ug/l	97
29) Tetrahydrofuran	5.15	42	189262	93.586	ug/l	100
30) Chloroform	5.21	83	154926	19.441	ug/l	98
31) Cyclohexane	5.58	56	132098	19.259	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	128523	19.106	ug/l	100
36) 1,1-Dichloropropene	5.80	75	113632	18.622	ug/l	99
37) Ethyl Acetate	4.84	43	113104	18.336	ug/l	98
38) Carbon Tetrachloride	5.79	117	111435	18.824	ug/l	91

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	140824	19.074	ug/l	97
40) Benzene	6.14	78	340919	18.966	ug/l	100
41) Methacrylonitrile	5.04	41	63002	18.689	ug/l	98
42) 1,2-Dichloroethane	6.20	62	117340	18.867	ug/l	99
43) Isopropyl Acetate	6.45	43	177756	18.670	ug/l	100
44) Trichloroethene	7.21	130	104412	19.287	ug/l	99
45) 1,2-Dichloropropane	7.51	63	84860	18.842	ug/l	100
46) Dibromomethane	7.66	93	59819	18.275	ug/l	99
47) Bromodichloromethane	7.90	83	102884	18.546	ug/l	98
48) Methyl methacrylate	7.77	41	91681	19.251	ug/l	99
49) 1,4-Dioxane	7.74	88	44186	372.805	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	598303	95.457	ug/l	99
52) Toluene	8.78	92	218768	18.864	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	109952	18.452	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	126724	19.339	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	91109	18.847	ug/l	98
56) Ethyl methacrylate	9.18	69	127336	19.018	ug/l	97
57) 1,3-Dichloropropane	9.37	76	144126	18.747	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	339931	96.324	ug/l	99
59) 2-Hexanone	9.49	43	464826	95.302	ug/l	100
60) Dibromochloromethane	9.58	129	88180	19.287	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95874	18.727	ug/l	97
64) Tetrachloroethene	9.33	164	117179	19.684	ug/l	98
65) Chlorobenzene	10.13	112	258314	18.742	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	87880	19.018	ug/l	99
67) Ethyl Benzene	10.25	91	423855	19.097	ug/l	98
68) m/p-Xylenes	10.36	106	335455	38.021	ug/l	99
69) o-Xylene	10.69	106	163328	19.238	ug/l	100
70) Styrene	10.71	104	259362	18.837	ug/l	99
71) Bromoform	10.85	173	63738	17.827	ug/l #	98
73) Isopropylbenzene	11.02	105	434635	18.990	ug/l	99
74) N-amyl acetate	10.90	43	163707	18.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	129218	18.526	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	126299m	18.497	ug/l	
77) Bromobenzene	11.26	156	120622	18.705	ug/l	98
78) n-propylbenzene	11.36	91	490737	19.553	ug/l	99
79) 2-Chlorotoluene	11.42	91	287439	18.875	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	360012	19.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	32332	17.135	ug/l	89
82) 4-Chlorotoluene	11.51	91	333060	18.901	ug/l	99
83) tert-Butylbenzene	11.77	119	342794	18.491	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	371277	19.531	ug/l	99
85) sec-Butylbenzene	11.94	105	439241	19.576	ug/l	100
86) p-Isopropyltoluene	12.06	119	388084	19.161	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	217905	18.829	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	214526	18.284	ug/l	98
89) n-Butylbenzene	12.39	91	323860	18.588	ug/l	100
90) Hexachloroethane	12.60	117	54728	18.054	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	215638	18.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	25610	17.658	ug/l	99

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ClientSampleId :
VSTDICC020

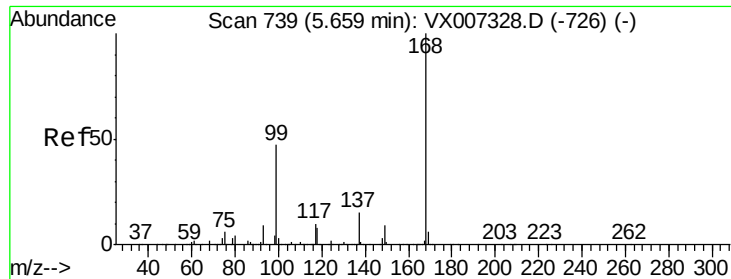
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 00:12:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	145891	18.783	ug/l	99
94) Hexachlorobutadiene	13.78	225	69724	18.487	ug/l	98
95) Naphthalene	13.83	128	427591	18.825	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	145822	18.651	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 464712

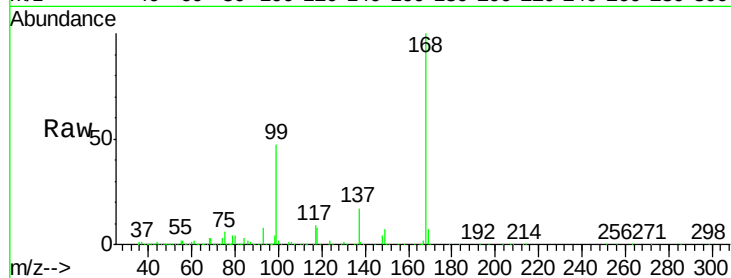
Ion Ratio Lower Upper

168 100

99 47.0 37.9 56.9

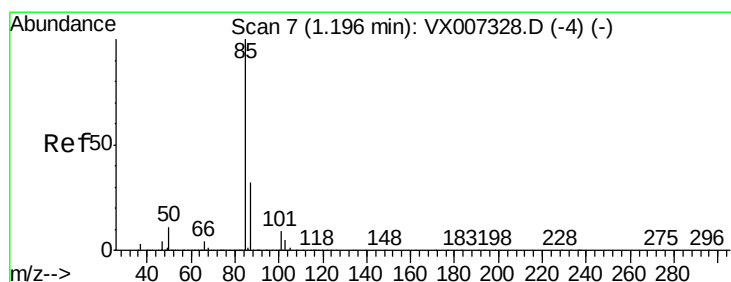
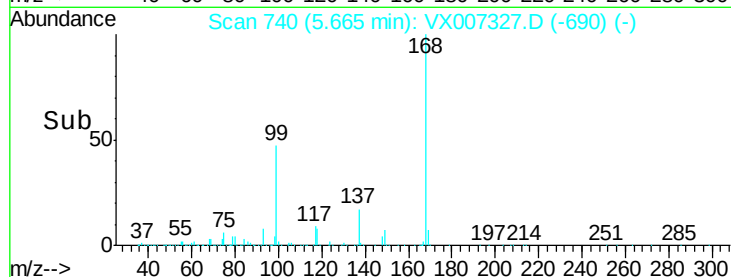
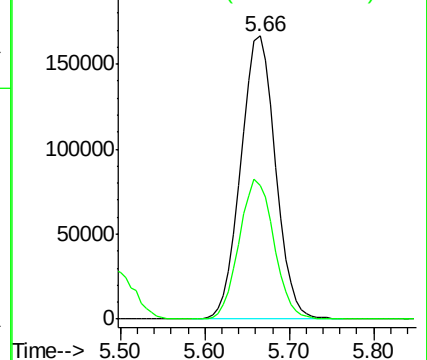
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.624 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007327.D

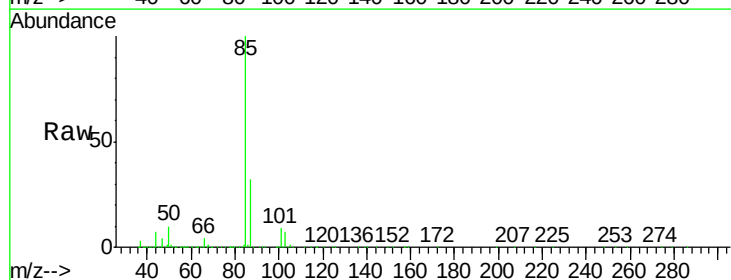
Acq: 01 Feb 2019 10:29

Tgt Ion: 85 Resp: 117197

Ion Ratio Lower Upper

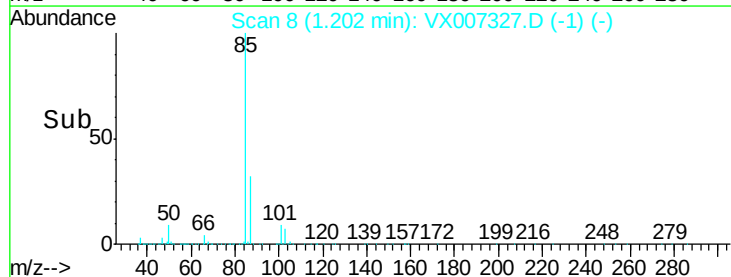
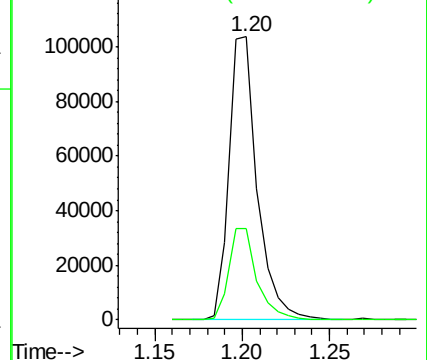
85 100

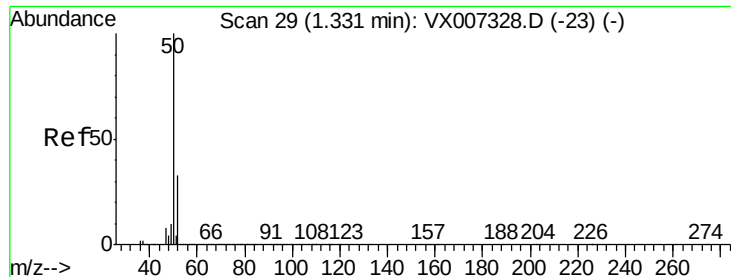
87 32.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





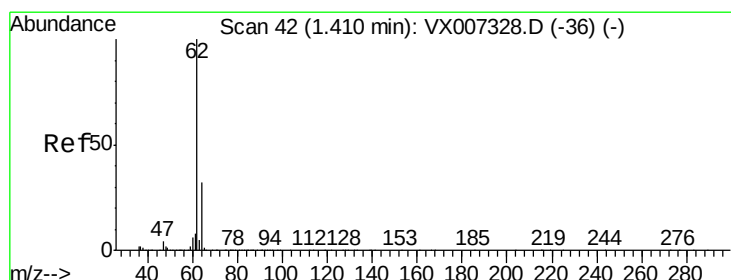
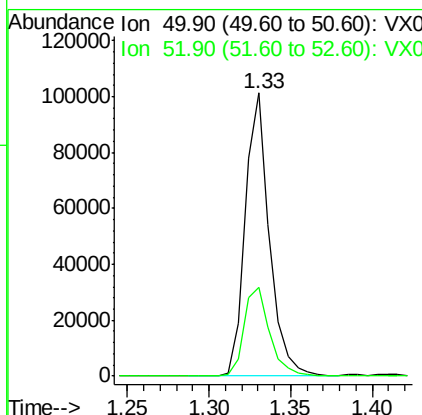
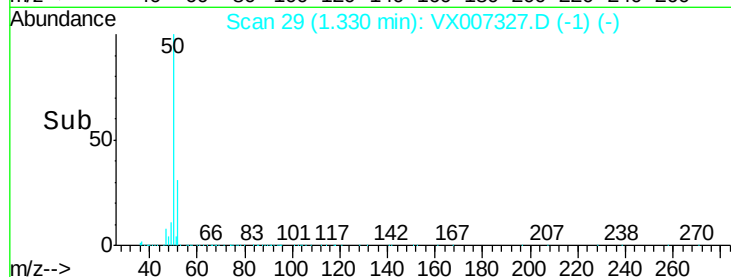
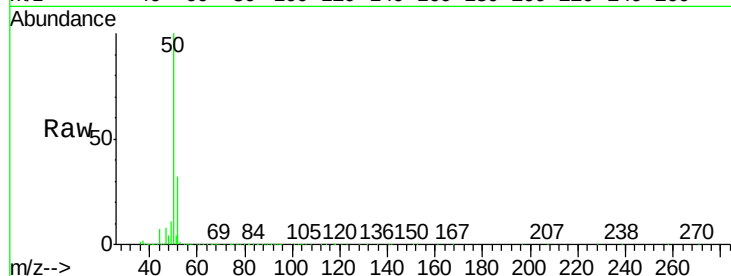
#3
Chloromethane
Concen: 19.995 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.1	39.1

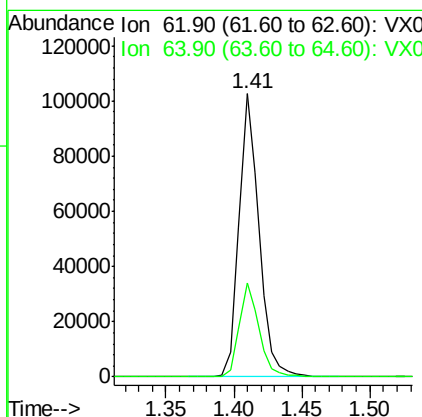
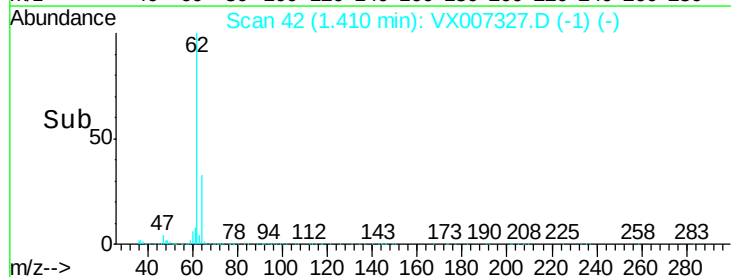
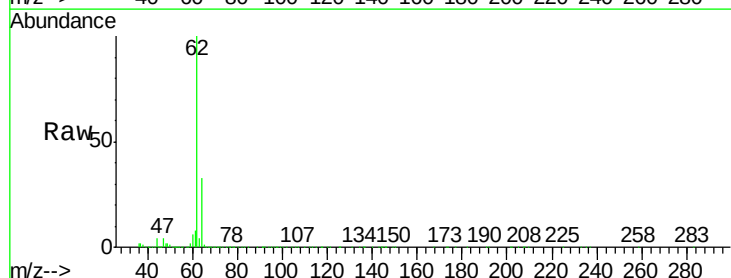
Manual Integrations
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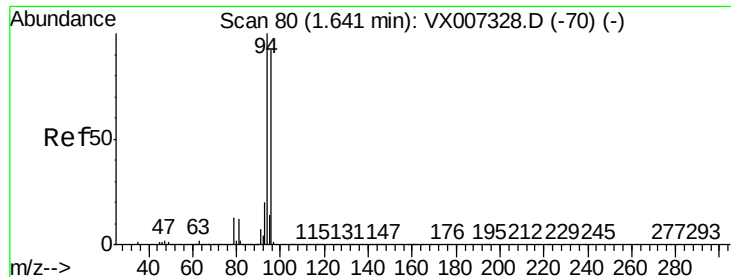
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#4
Vinyl Chloride
Concen: 20.468 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.4	38.0





#5

Bromomethane

Concen: 16.213 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 94769

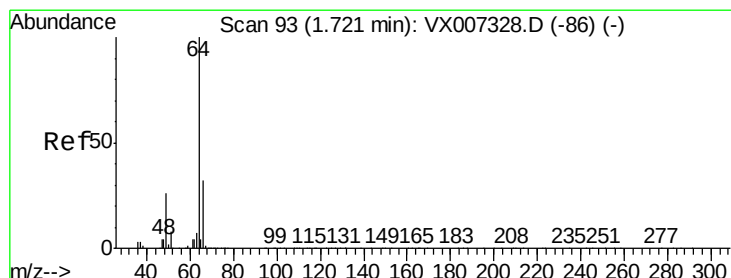
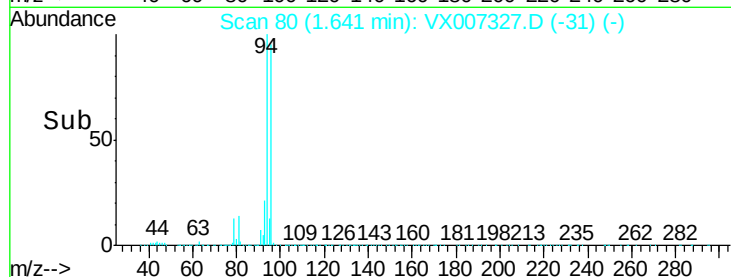
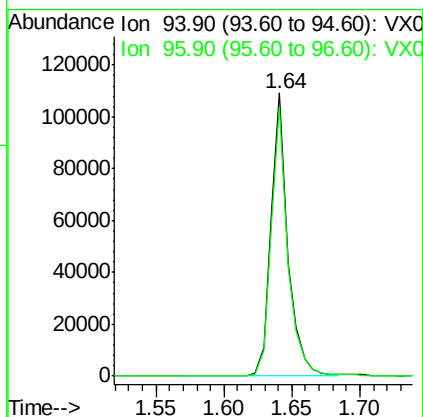
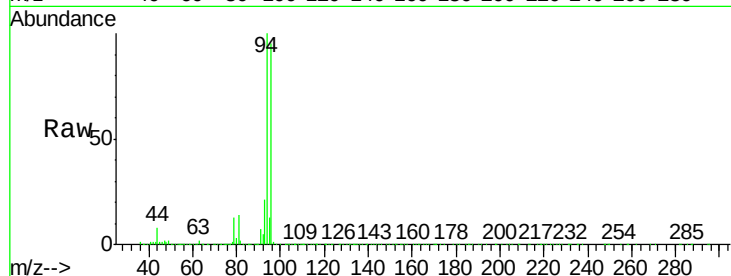
Ion Ratio Lower Upper

94 100

96 95.0 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 18.742 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007327.D

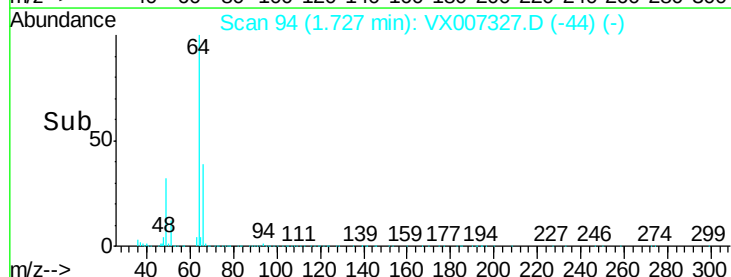
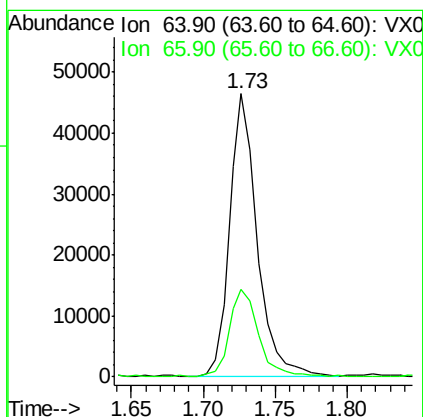
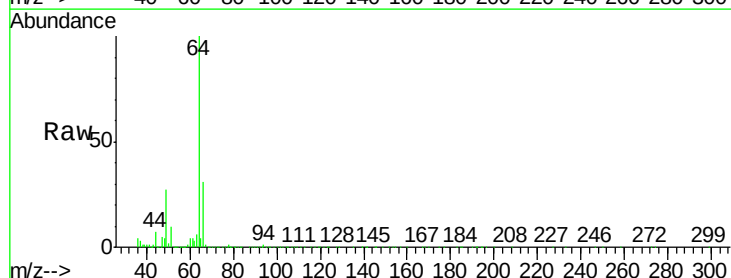
Acq: 01 Feb 2019 10:29

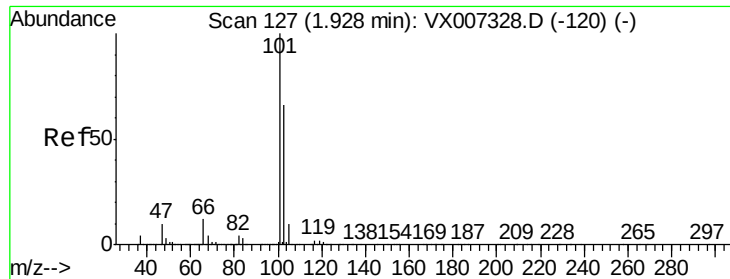
Tgt Ion: 64 Resp: 62258

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3





#7

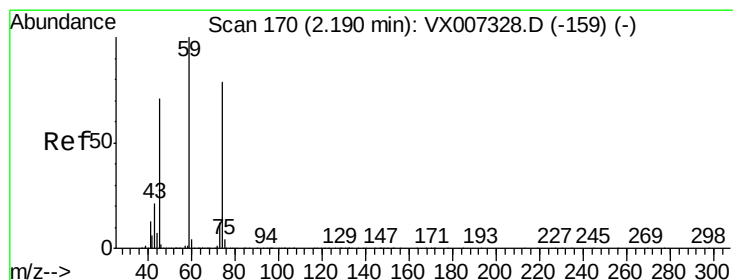
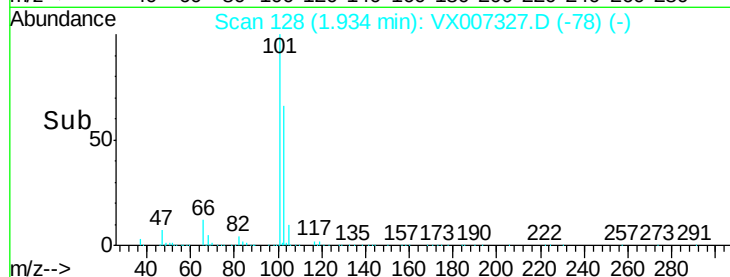
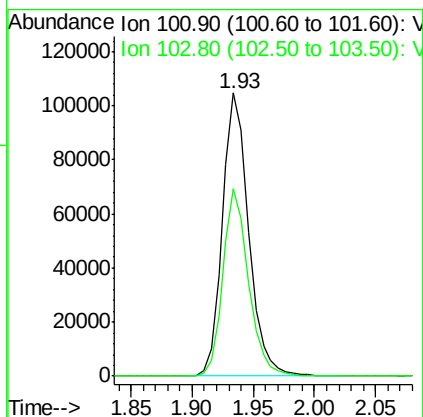
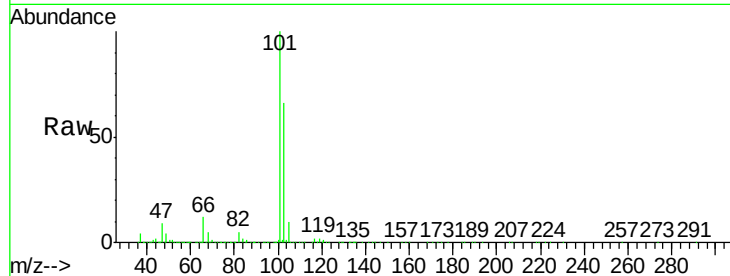
Trichlorofluoromethane
Concen: 19.461 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		156327		
103	65.9	52.6	79.0		

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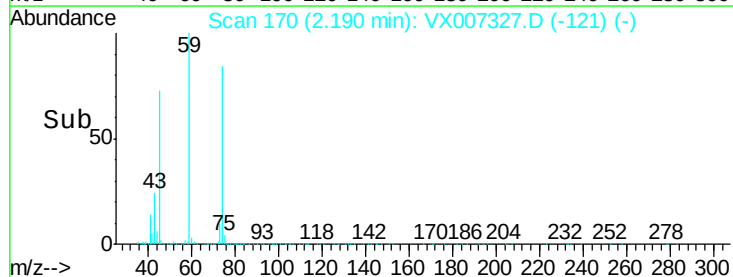
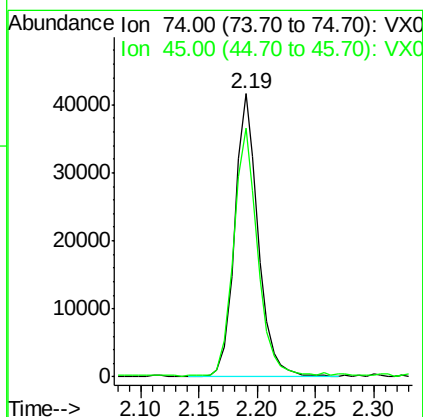
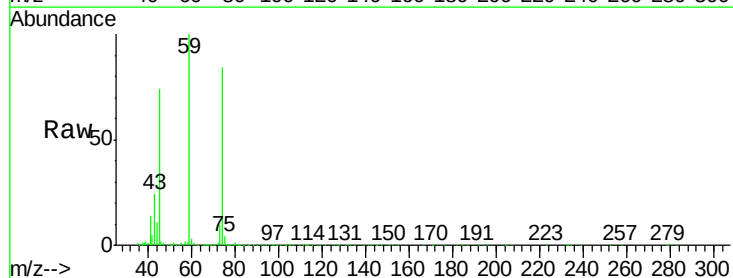
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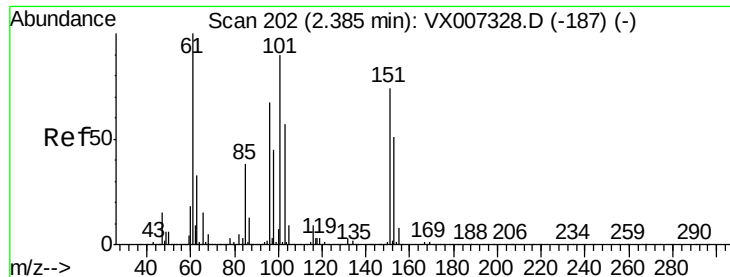


#8

Diethyl Ether
Concen: 19.300 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		58353		
45	89.3	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.006 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

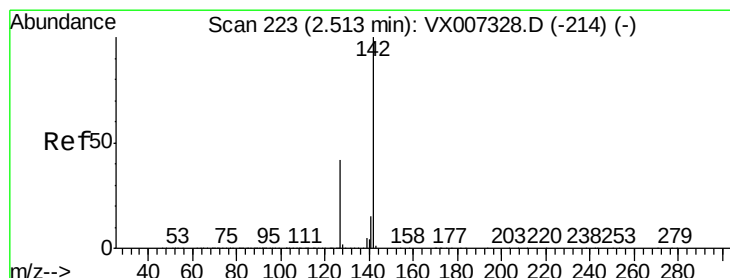
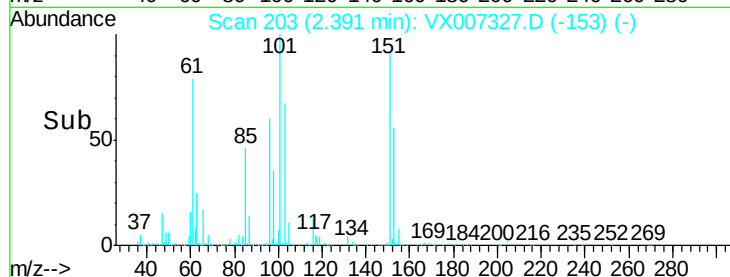
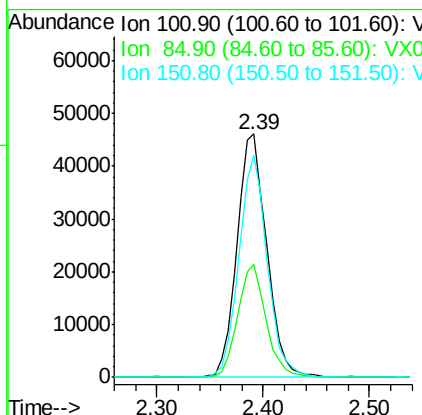
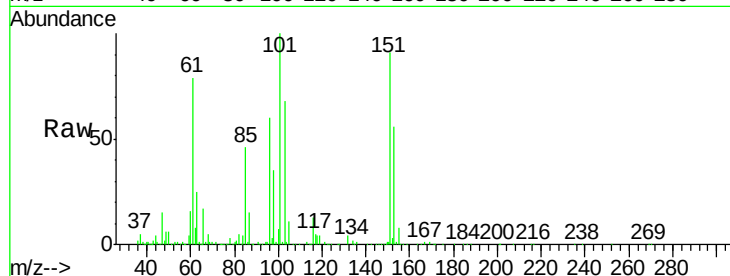
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	90815
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.1	51.1
151	86.7	69.9	104.9

Manual Integrations
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2/4/2019 9:37:28 AM



#10

Methyl Iodide

Concen: 19.423 ug/l

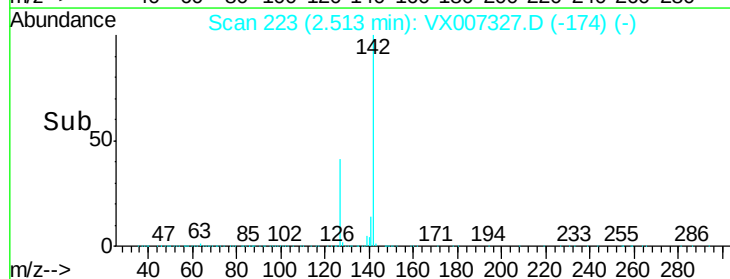
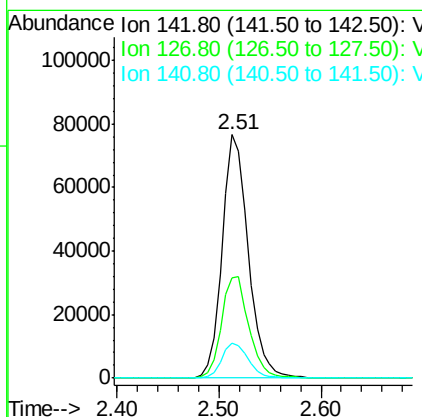
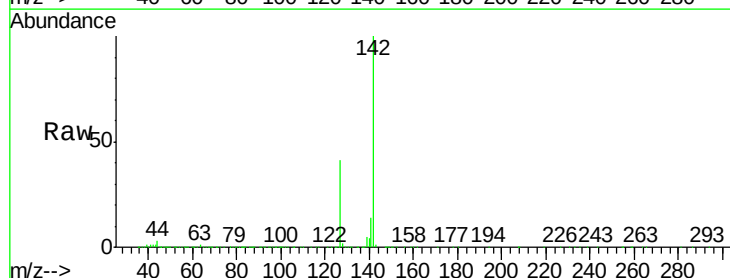
RT: 2.51 min Scan# 223

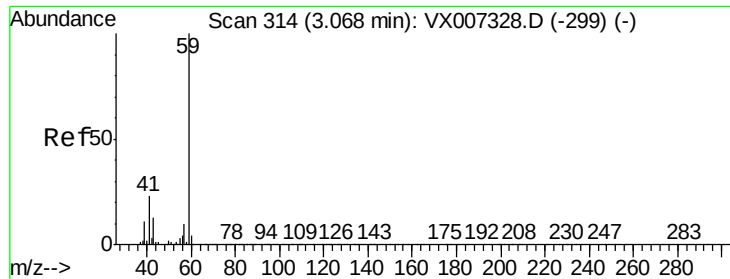
Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Tgt Ion:	142	Resp:	136522
Ion Ratio	Lower	Upper	
142	100		
127	44.1	33.7	50.5
141	14.8	11.3	16.9





#11

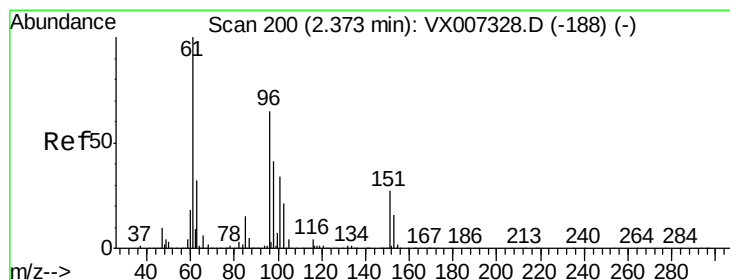
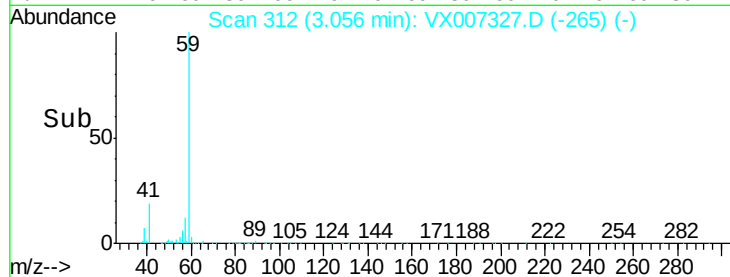
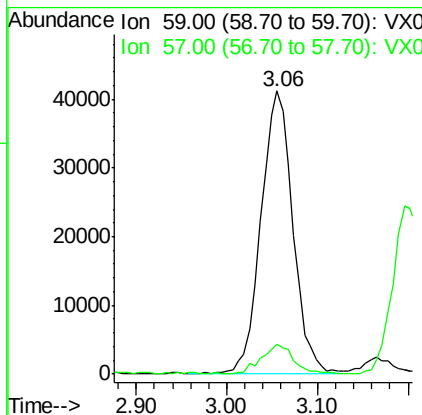
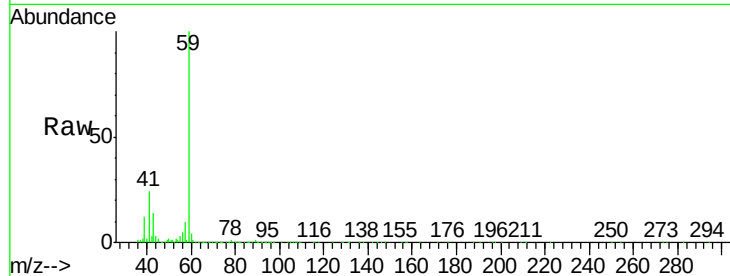
Tert butyl alcohol
Concen: 97.461 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.01 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.1	12.1

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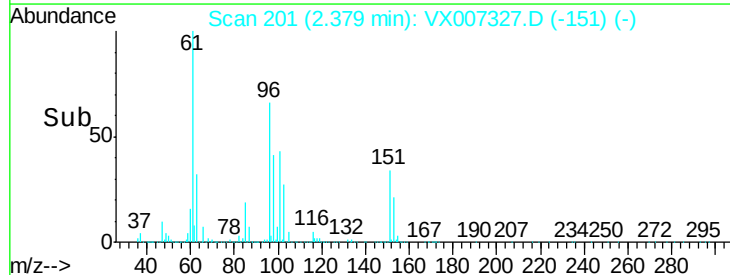
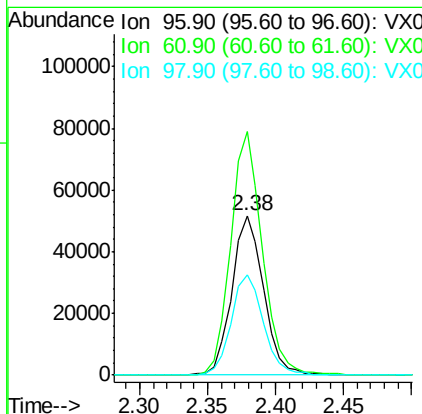
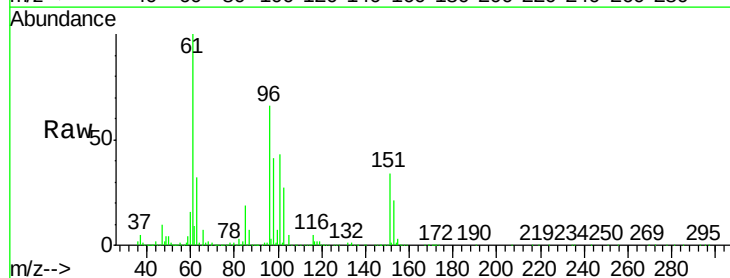
MMDadoda
2/4/2019 9:37:28 AM

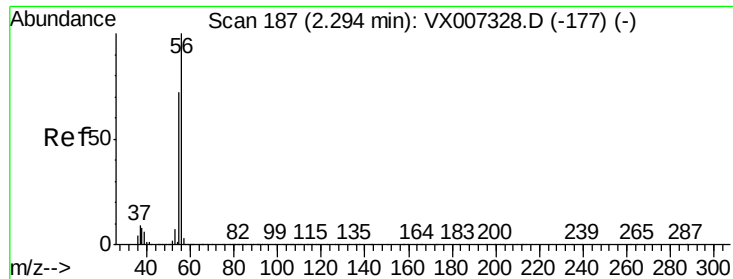


#12

1,1-Dichloroethene
Concen: 18.854 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.4	123.0	184.4
98	62.9	50.9	76.3





#13

Acrolein

Concen: 95.152 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 45547

Ion Ratio Lower Upper

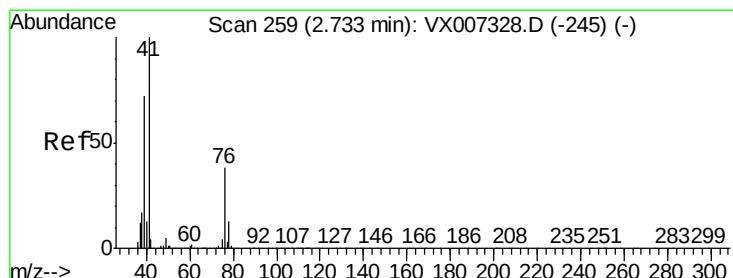
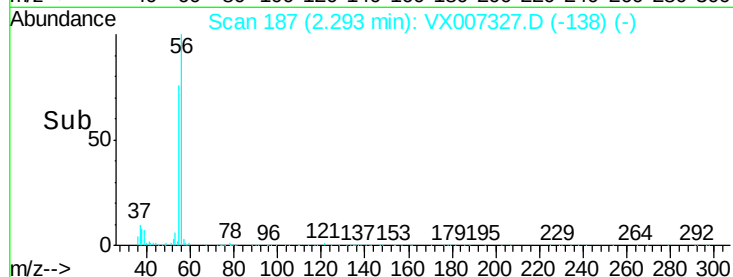
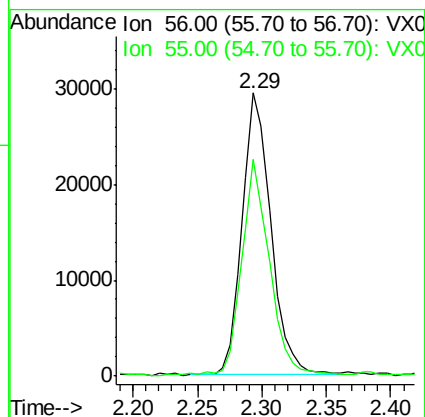
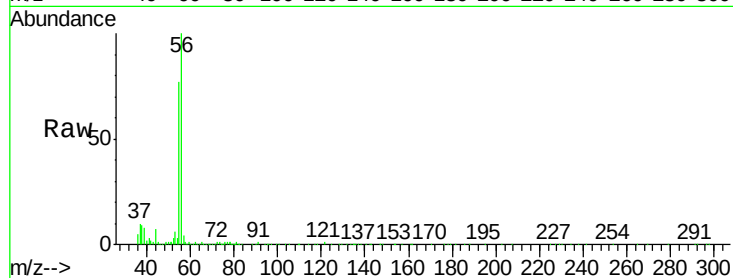
56 100

55 72.5 56.9 85.3

Manual Integrations
APPROVED

MMDadoda

2/4/2019 9:37:28 AM



#14

Allyl chloride

Concen: 19.148 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

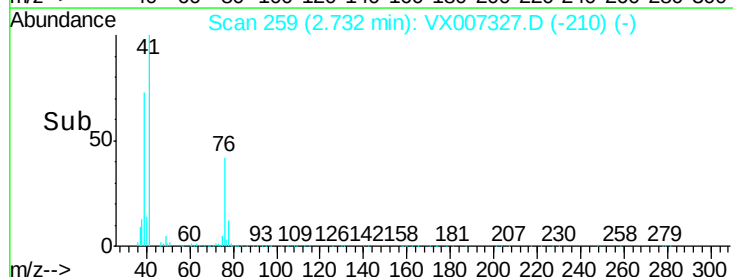
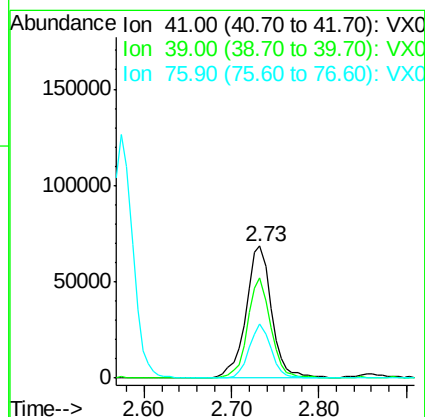
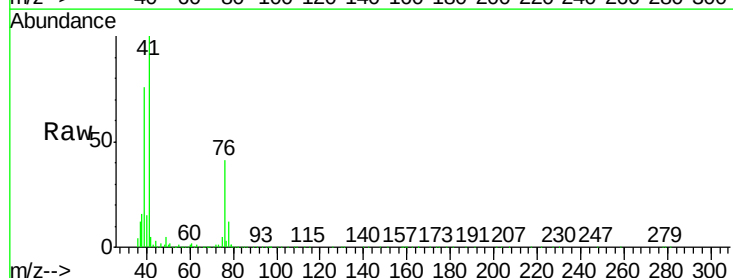
Tgt Ion: 41 Resp: 138430

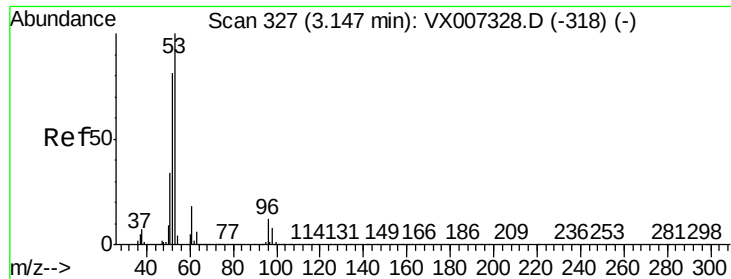
Ion Ratio Lower Upper

41 100

39 68.8 54.1 81.1

76 34.6 27.8 41.8





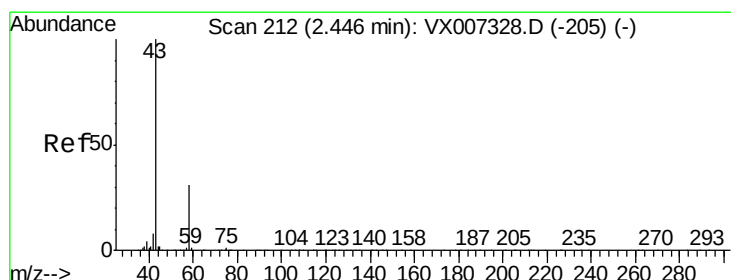
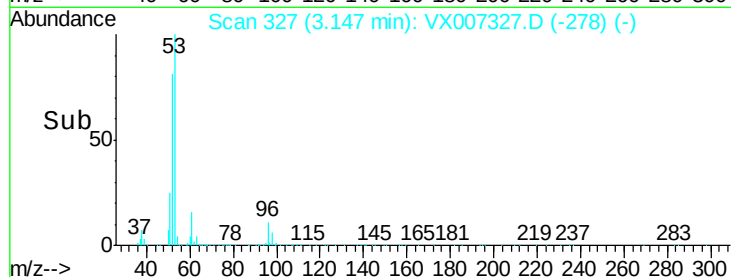
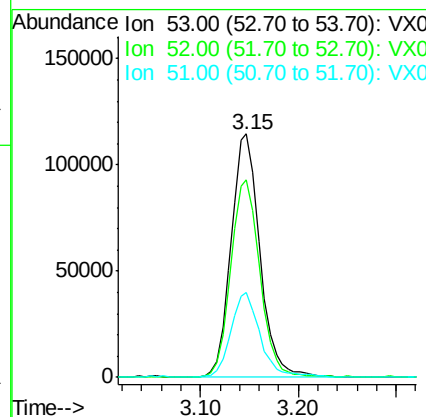
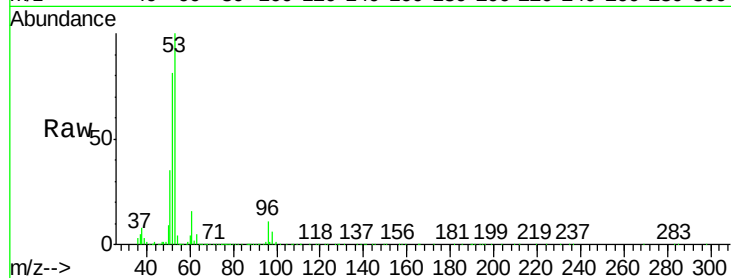
#15
 Acrylonitrile
 Concen: 92.710 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	53	Resp:	234113
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.4	99.6
51	35.1	28.4	42.6

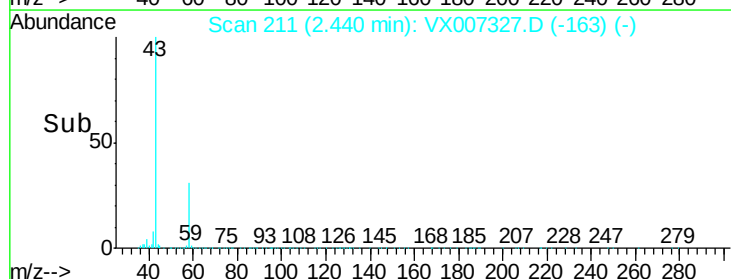
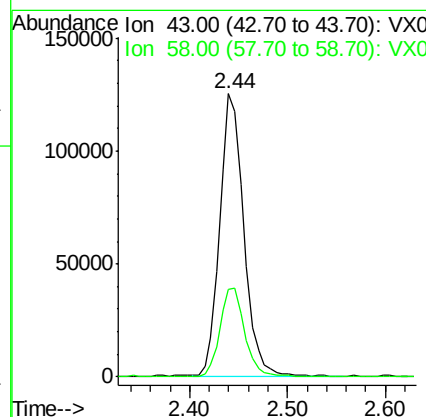
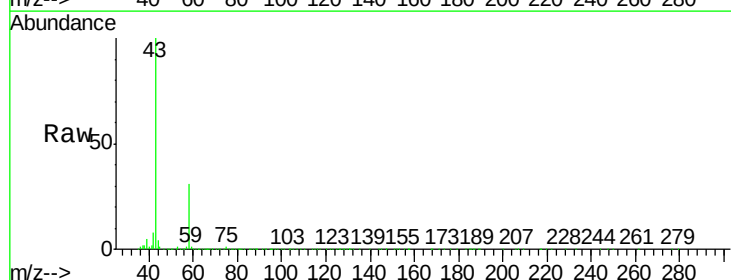
Manual Integrations
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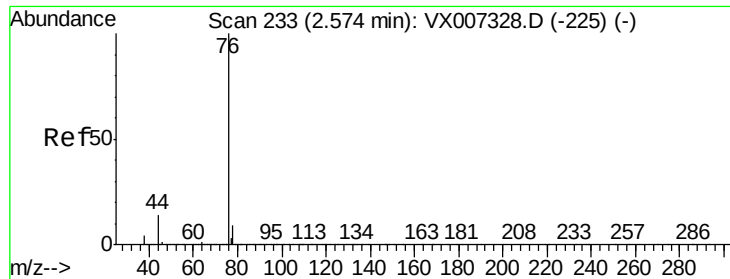
MMDadoda
 2/4/2019 9:37:28 AM



#16
 Acetone
 Concen: 93.814 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Tgt Ion:	43	Resp:	211969
Ion Ratio	Lower	Upper	
43	100		
58	30.8	24.9	37.3





#17

Carbon Disulfide

Concen: 17.882 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 209365

Ion Ratio Lower Upper

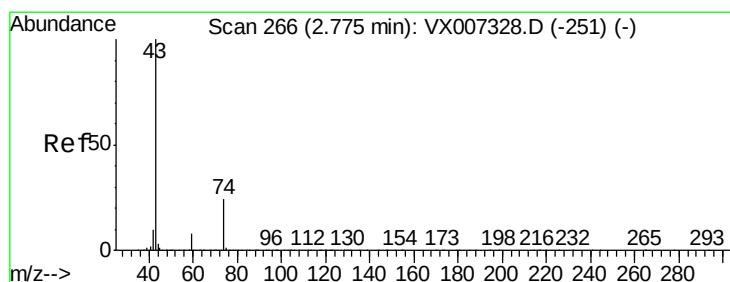
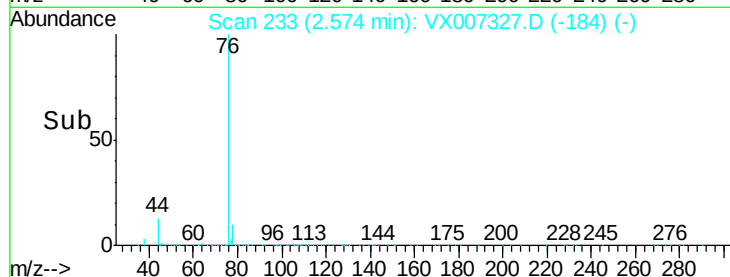
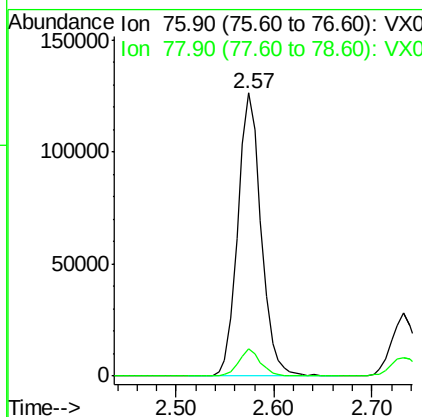
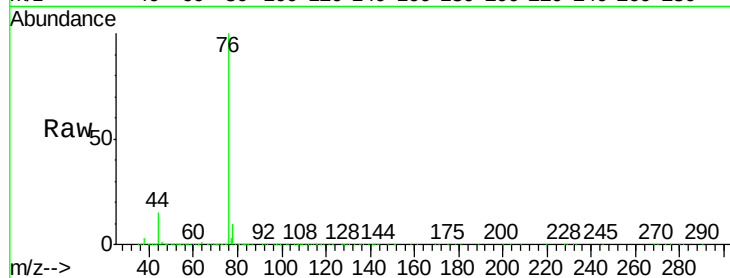
76 100

78 9.5 7.1 10.7

Manual Integrations
APPROVED

MMDadoda

2/4/2019 9:37:28 AM



#18

Methyl Acetate

Concen: 18.100 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX007327.D

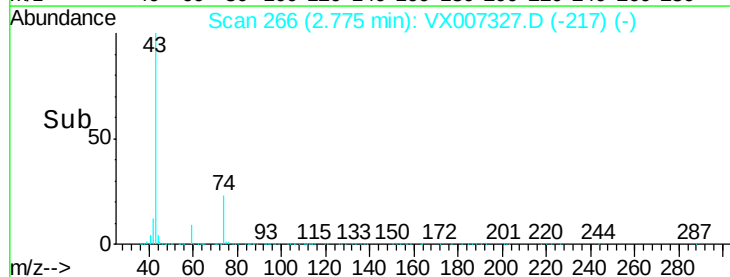
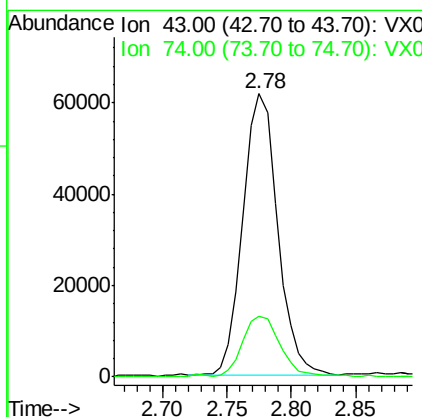
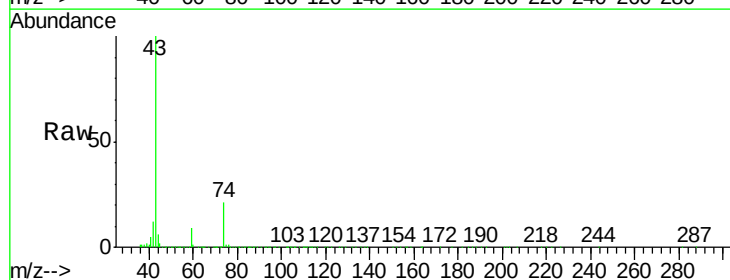
Acq: 01 Feb 2019 10:29

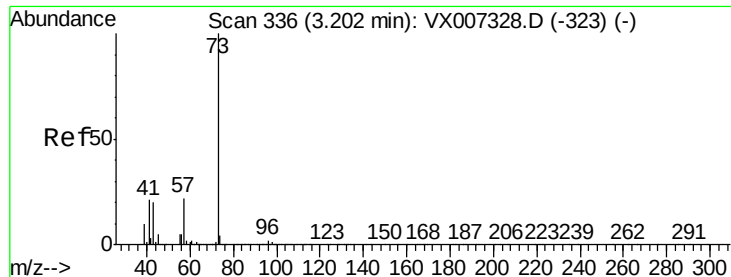
Tgt Ion: 43 Resp: 115713

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2





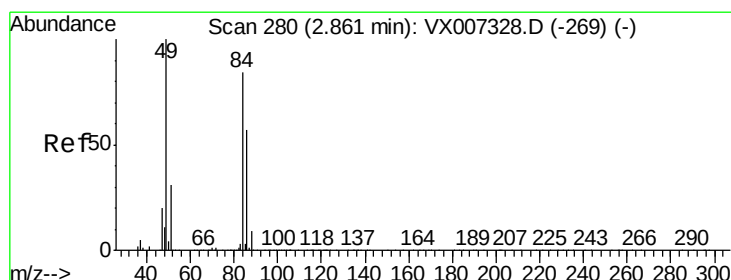
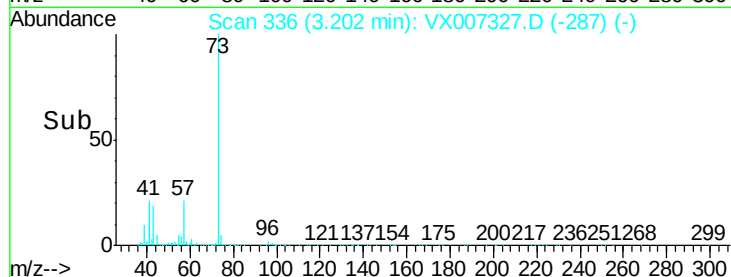
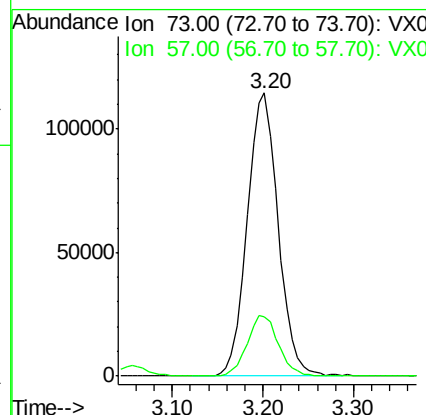
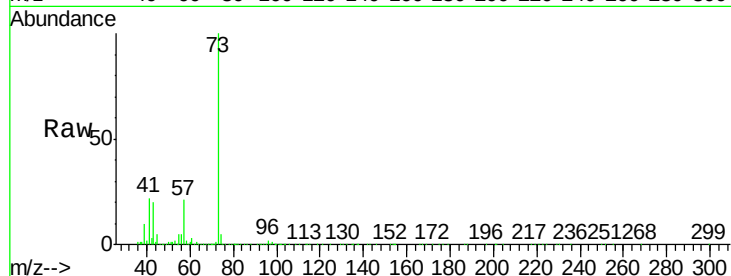
#19
Methyl tert-butyl Ether
Concen: 18.794 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.8	26.8

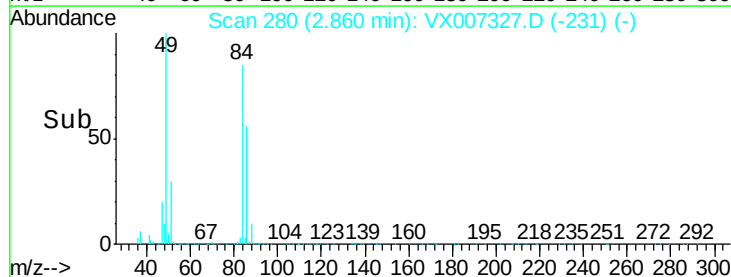
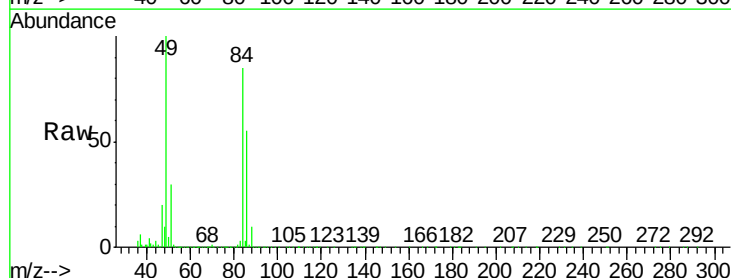
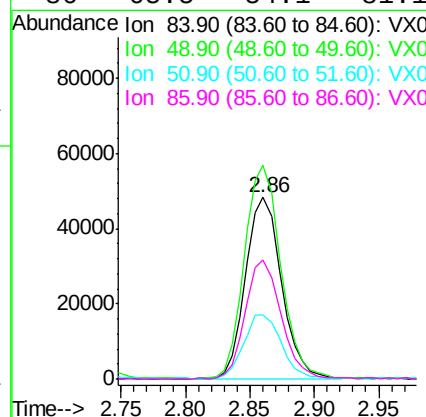
Manual Integrations
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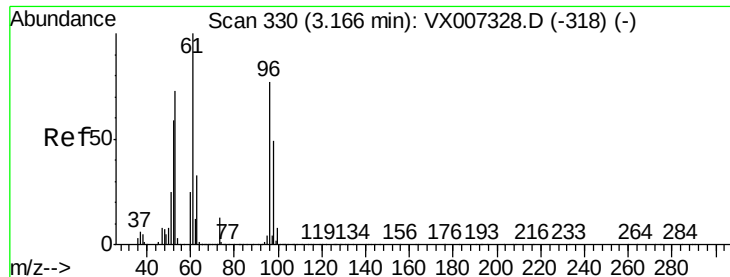
MMDadoda
2/4/2019 9:37:28 AM



#20
Methylene Chloride
Concen: 18.302 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.6	94.8	142.2
51	35.2	29.8	44.8
86	65.5	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 18.744 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

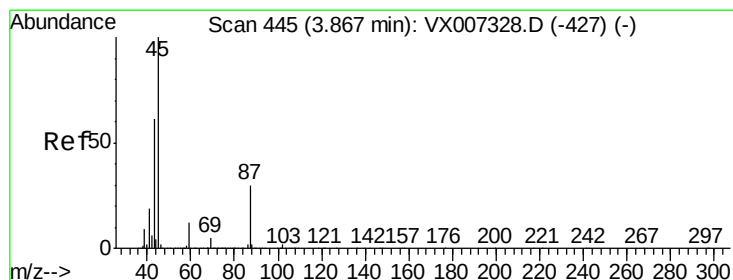
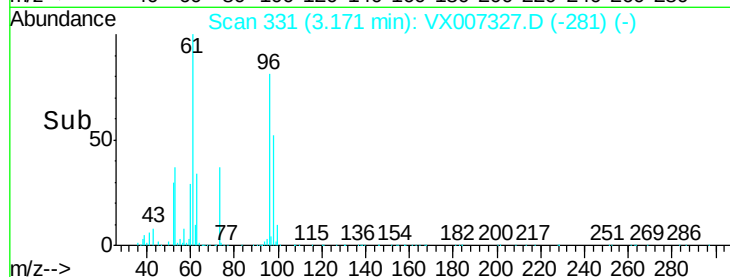
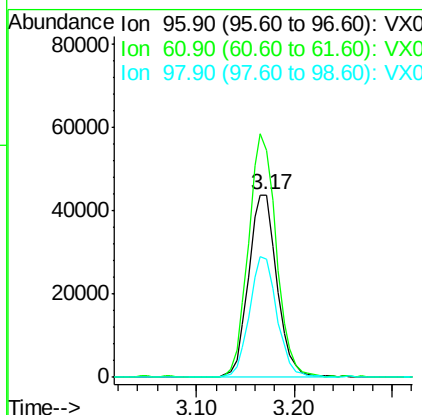
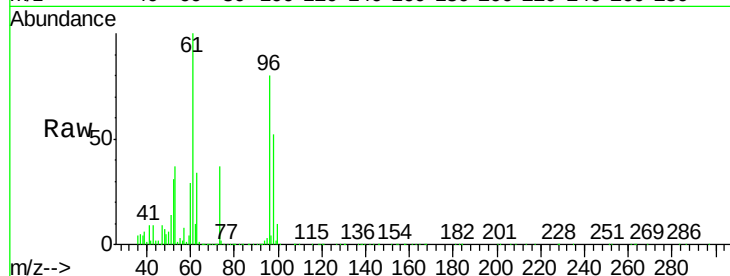
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	88596
Ion Ratio	Lower	Upper	
96	100		
61	124.2	104.6	156.8
98	64.4	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.337 ug/l

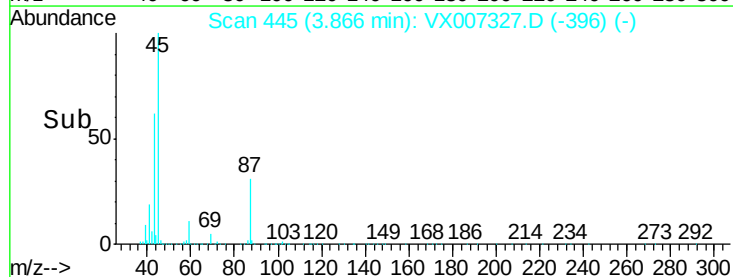
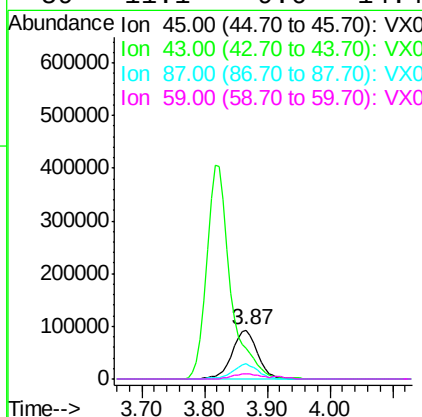
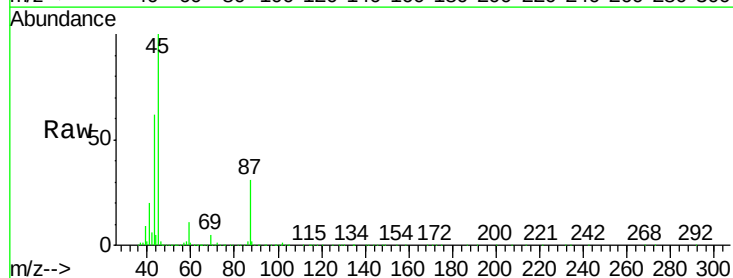
RT: 3.87 min Scan# 445

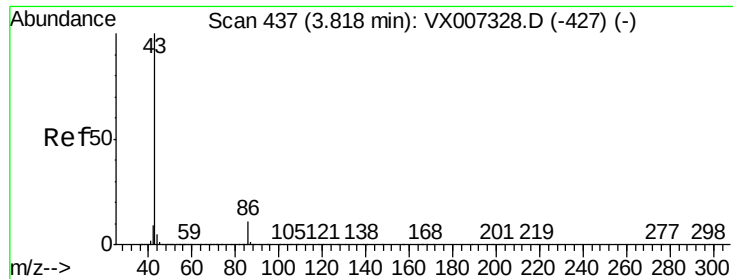
Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Tgt Ion:	45	Resp:	257152
Ion Ratio	Lower	Upper	
45	100		
43	61.6	48.9	73.3
87	30.9	23.9	35.9
59	11.1	9.6	14.4





#23

Vinyl Acetate

Concen: 96.556 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1065534

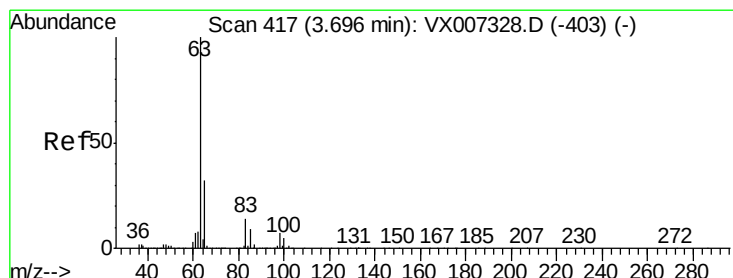
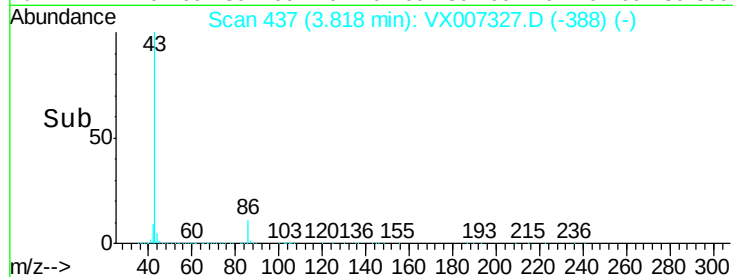
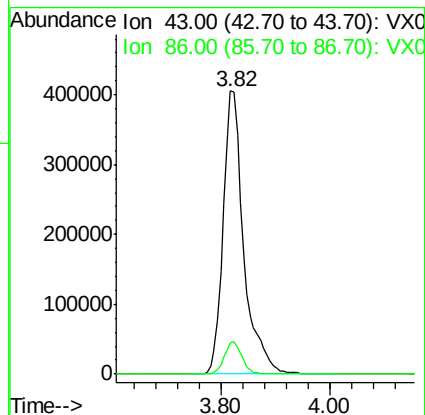
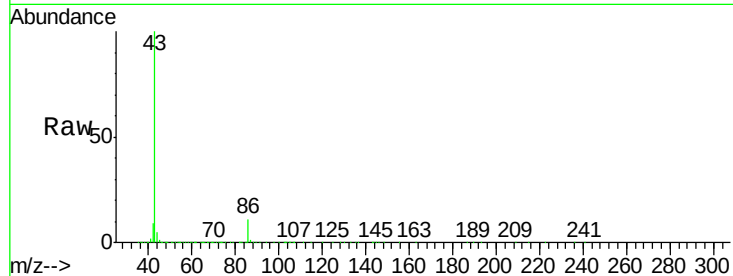
Ion Ratio Lower Upper

43 100

86 10.9 8.7 13.1

Manual Integrations
APPROVED

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2/4/2019 9:37:28 AM



#24

1,1-Dichloroethane

Concen: 19.151 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

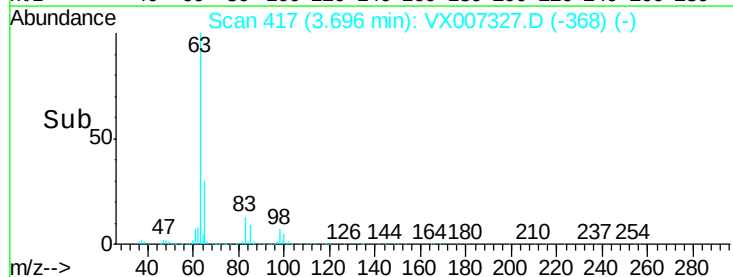
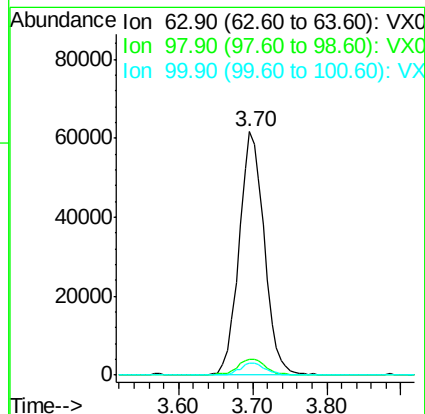
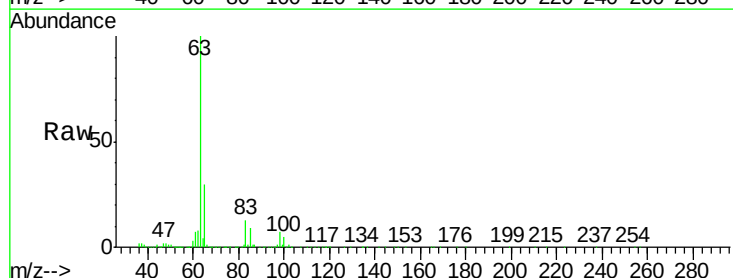
Tgt Ion: 63 Resp: 146253

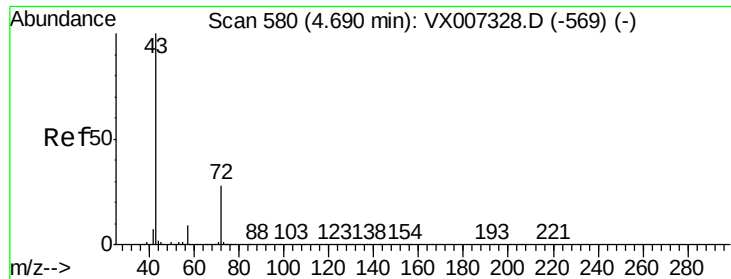
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.8

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 93.765 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 301500

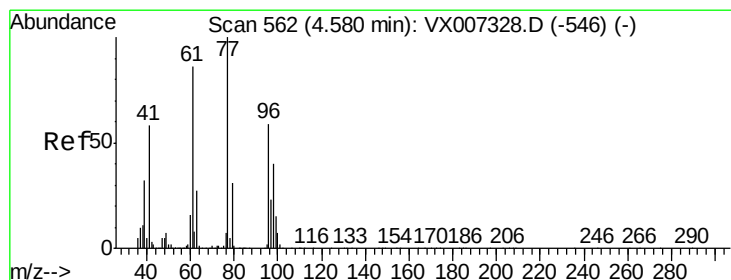
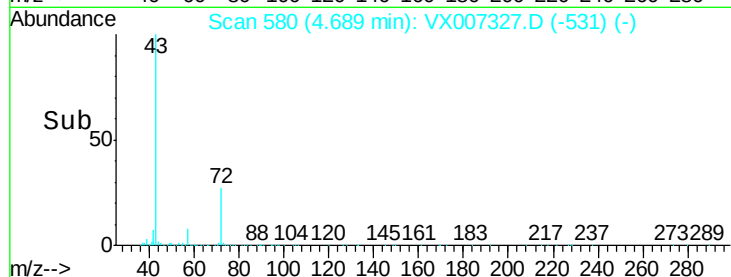
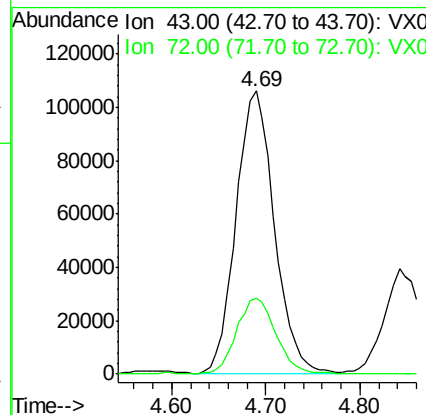
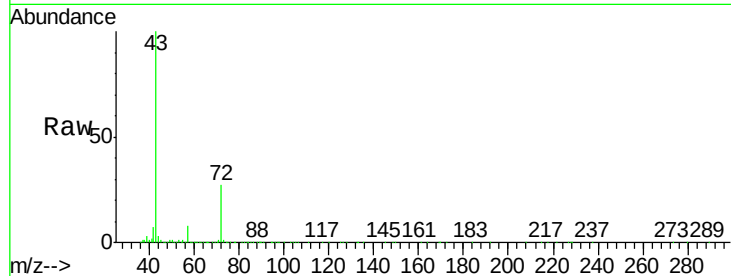
Ion Ratio Lower Upper

43 100

72 26.9 22.2 33.2

Manual Integrations
APPROVED

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2/4/2019 9:37:28 AM



#26

2,2-Dichloropropane

Concen: 18.559 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX007327.D

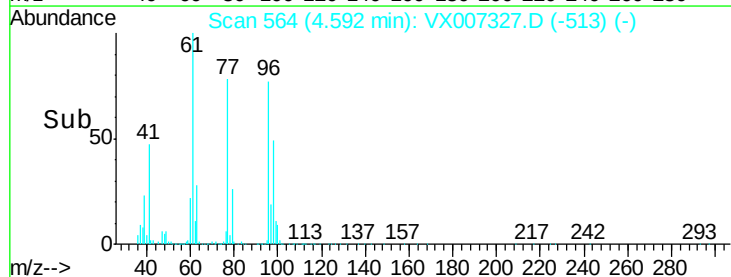
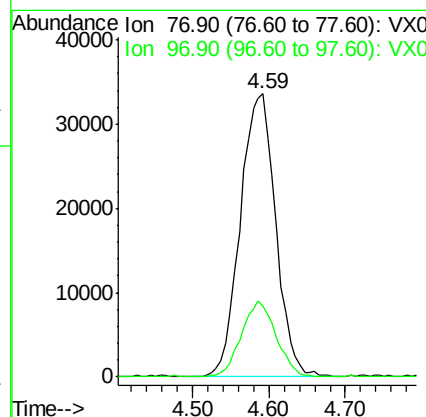
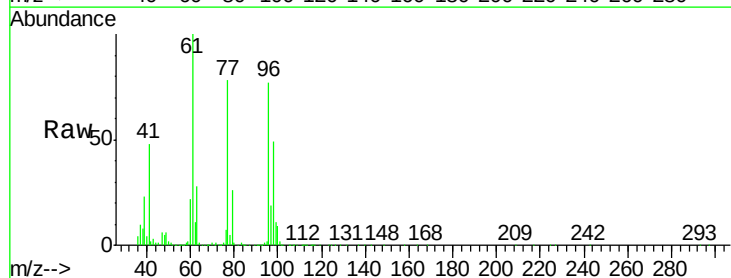
Acq: 01 Feb 2019 10:29

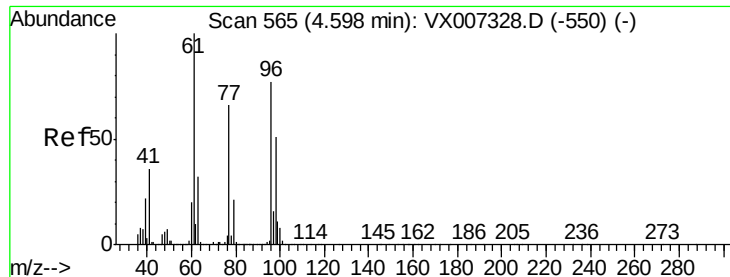
Tgt Ion: 77 Resp: 107939

Ion Ratio Lower Upper

77 100

97 26.2 12.1 36.3





#27

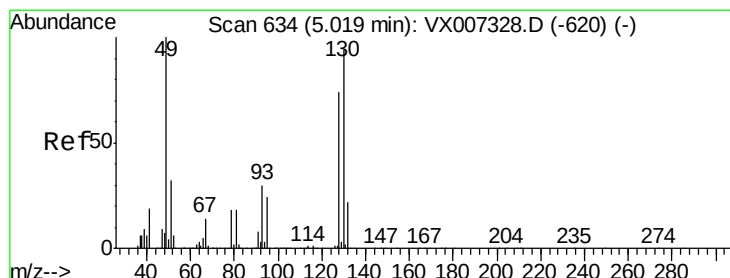
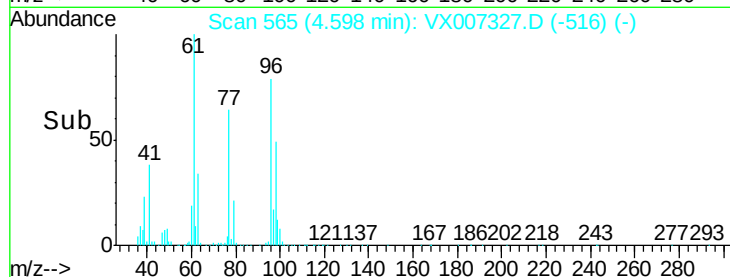
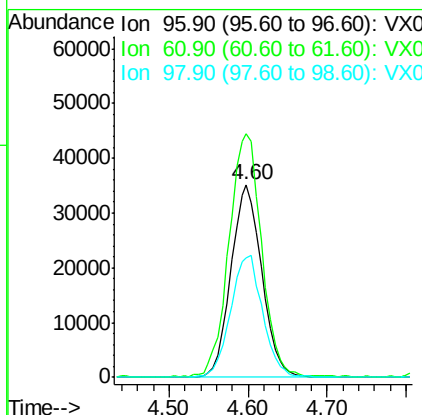
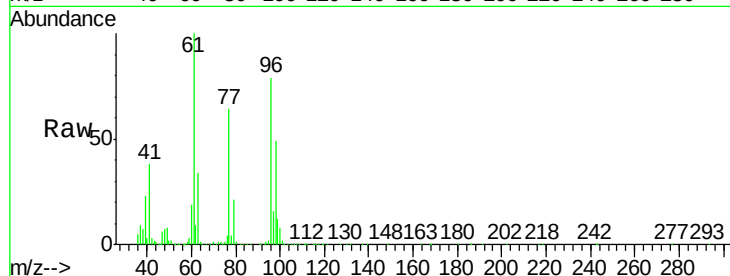
cis-1,2-Dichloroethene
Concen: 18.560 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	265.6
98	65.9	0.0	131.6

Manual Integrations
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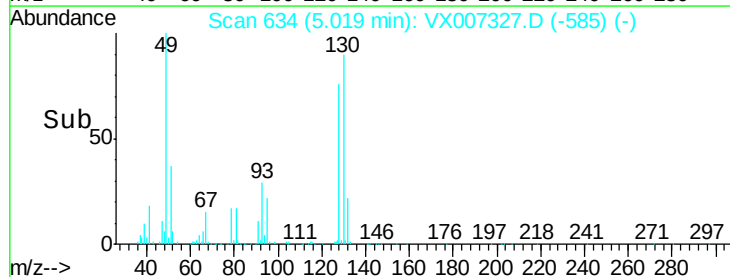
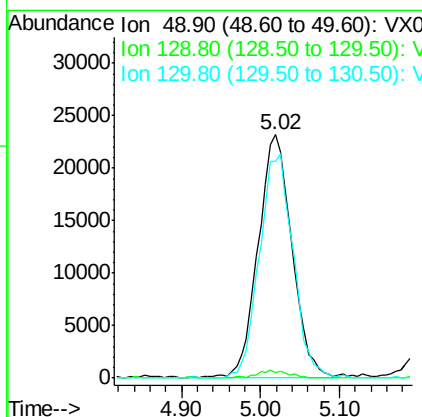
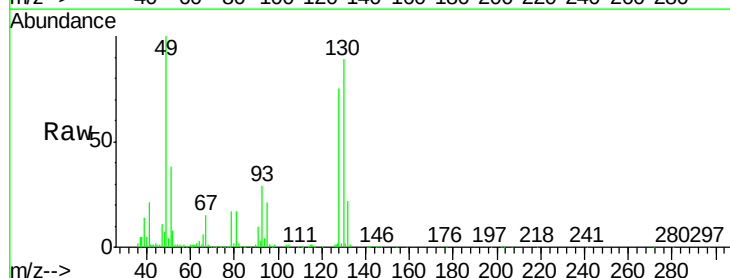
MMDadoda
2/4/2019 9:37:28 AM

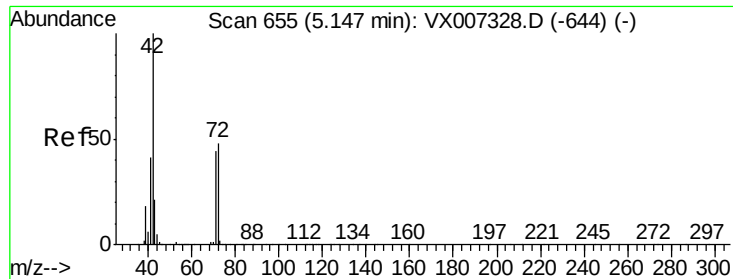


#28

Bromochloromethane
Concen: 19.712 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	91.5	75.6	113.4





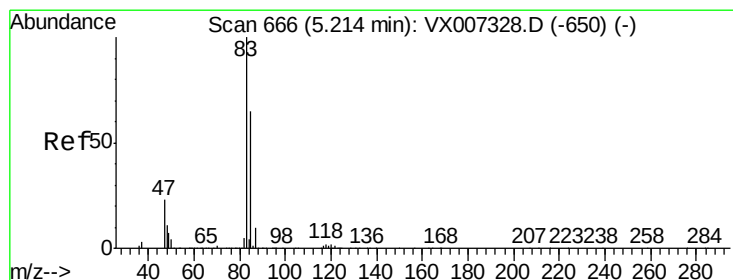
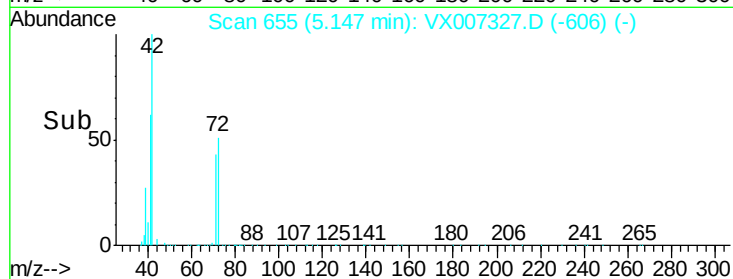
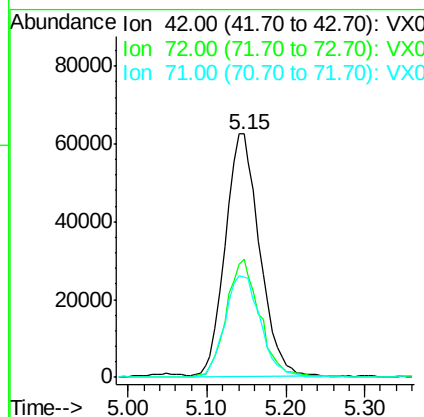
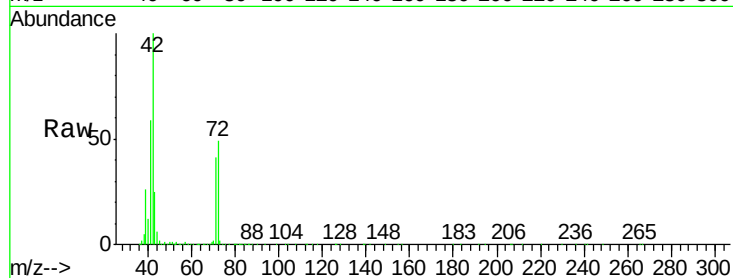
#29
Tetrahydrofuran
Concen: 93.586 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.6	56.4
71	43.3	34.6	51.8

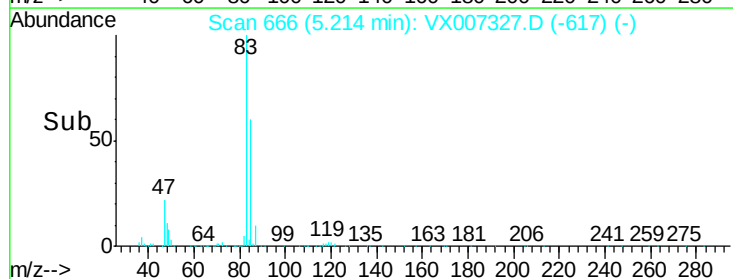
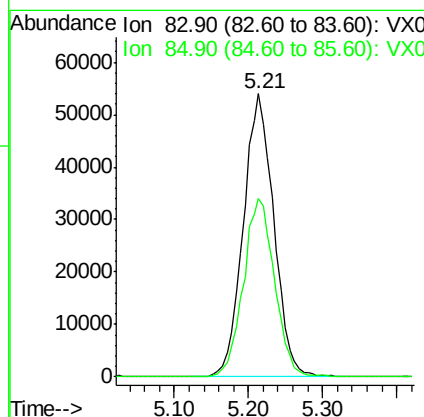
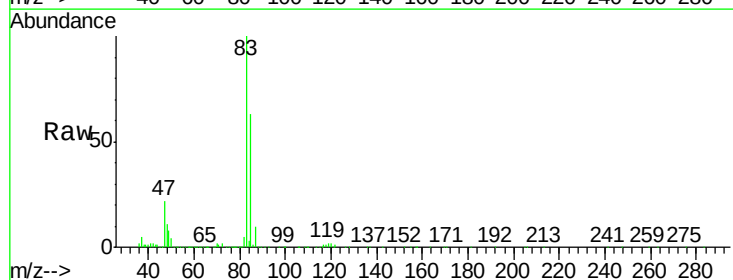
Manual Integrations
APPROVED

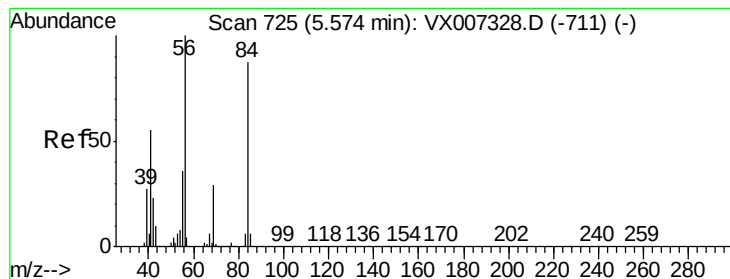
MMDadoda
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#30
Chloroform
Concen: 19.441 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.6	77.4





#31

Cyclohexane

Concen: 19.259 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

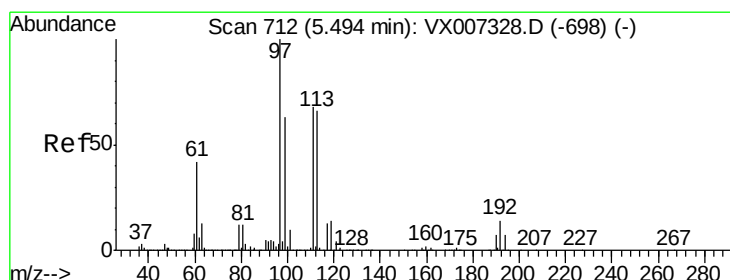
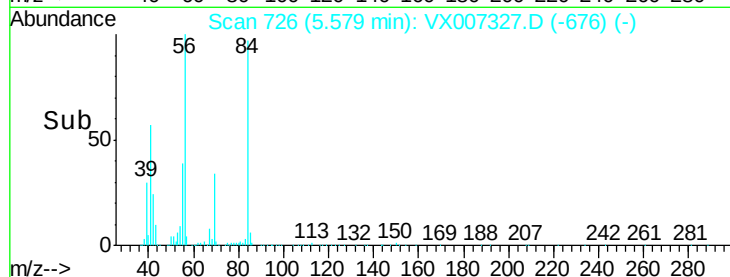
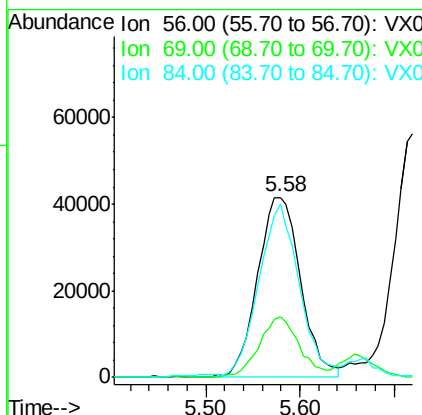
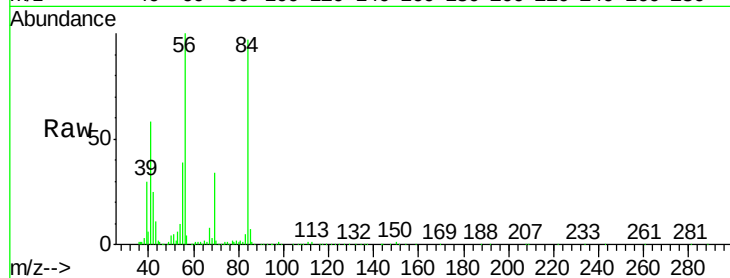
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	132098
Ion Ratio	Lower	Upper	
56	100		
69	33.5	23.0	34.6
84	95.6	69.8	104.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.106 ug/l

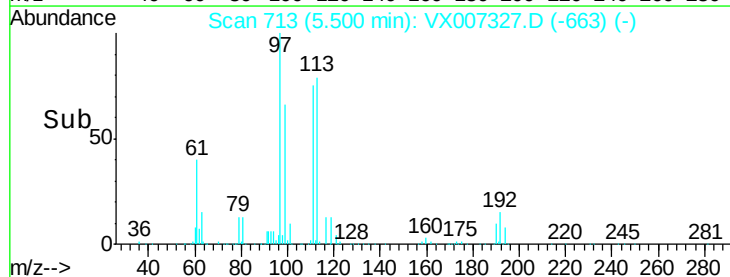
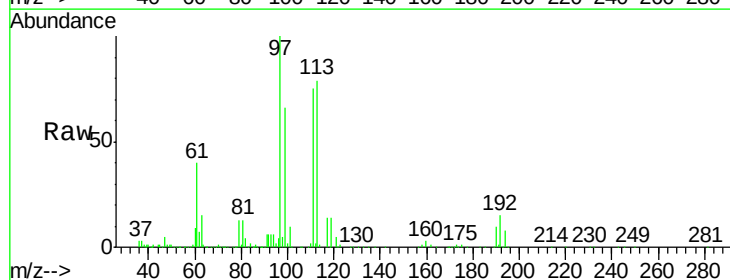
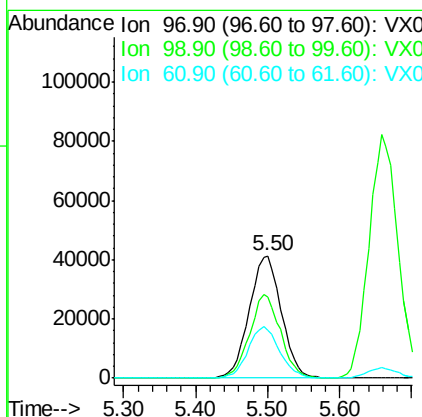
RT: 5.50 min Scan# 713

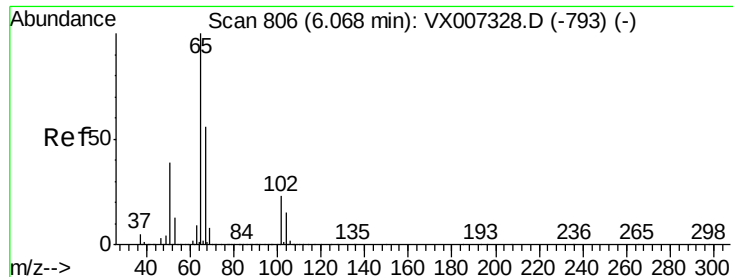
Delta R.T. 0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Tgt Ion:	97	Resp:	128523
Ion Ratio	Lower	Upper	
97	100		
99	65.0	52.2	78.2
61	41.3	32.7	49.1





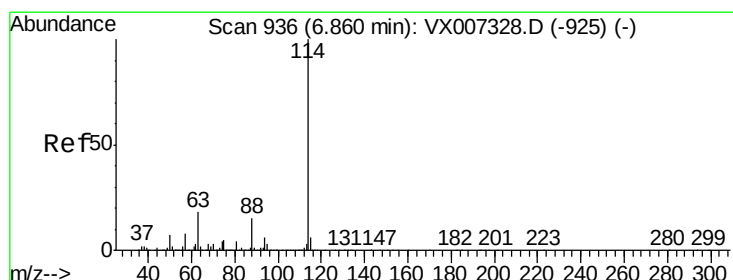
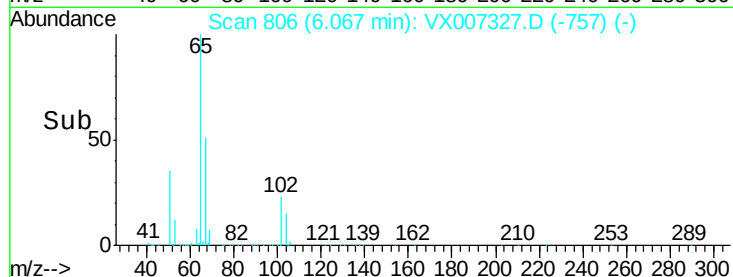
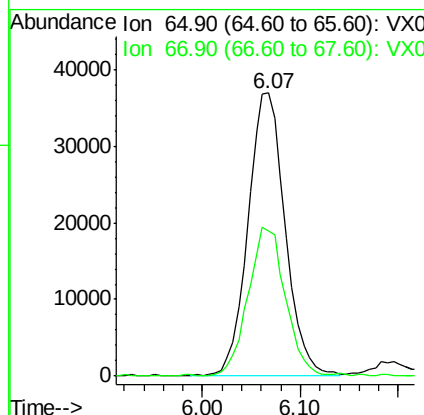
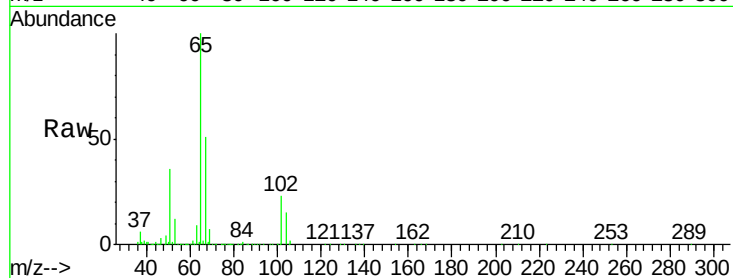
#33
 1,2-Dichloroethane-d4
 Concen: 19.820 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	108.8

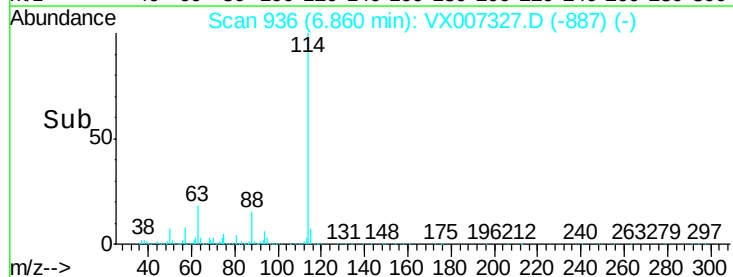
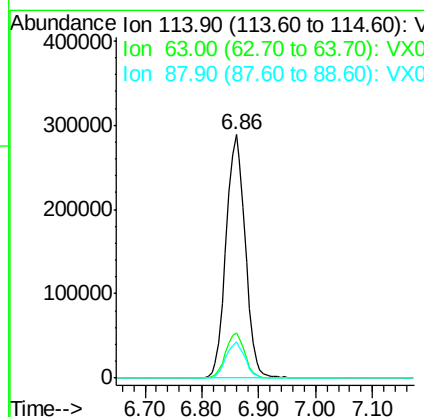
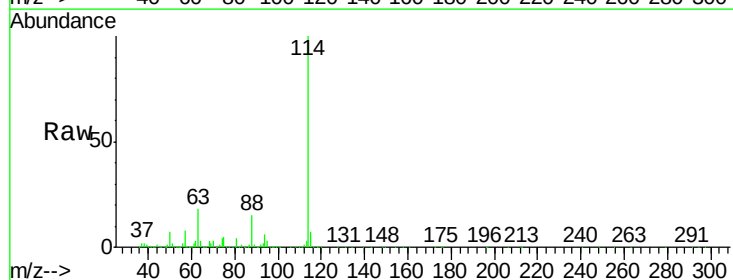
Manual Integrations
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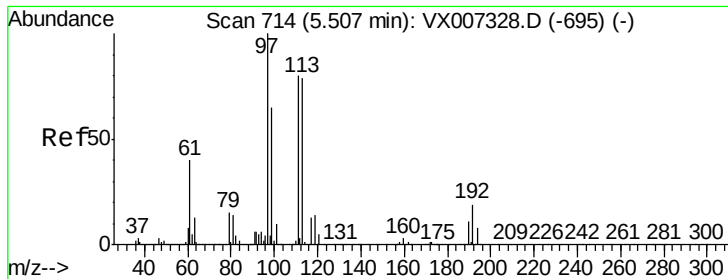
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	35.6
88	14.8	0.0	29.6





#35

Dibromofluoromethane

Concen: 19.974 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

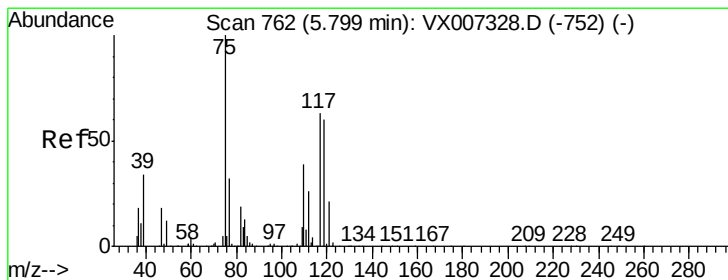
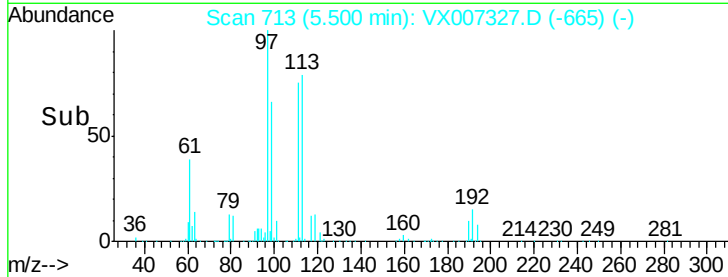
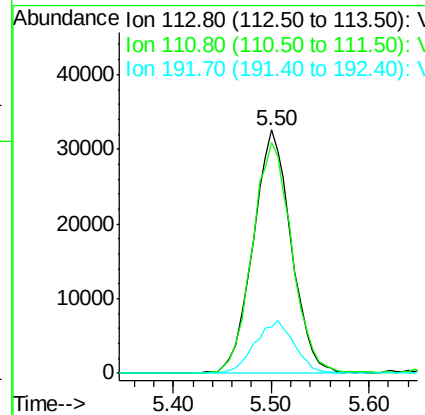
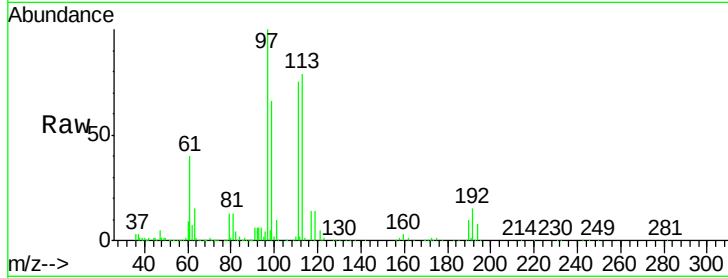
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	88388
Ion Ratio	Lower	Upper	
113	100		
111	98.7	81.8	122.8
192	22.5	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.622 ug/l

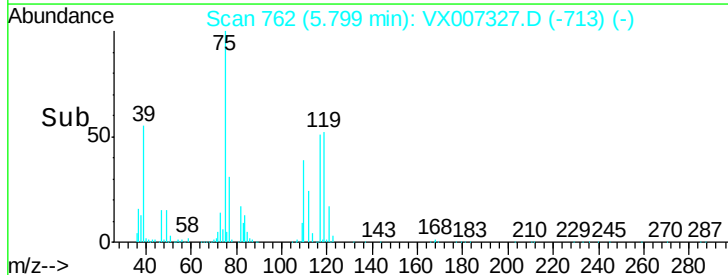
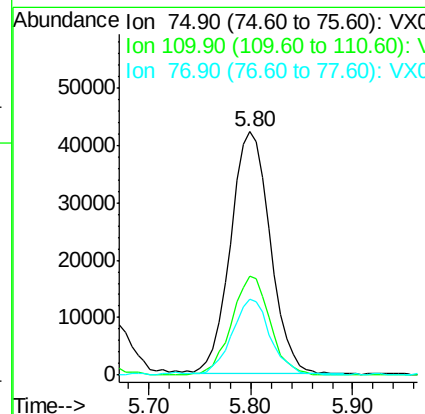
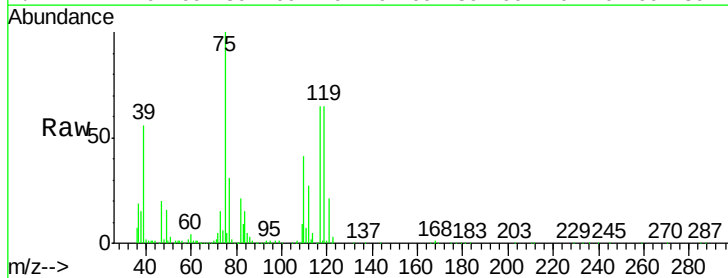
RT: 5.80 min Scan# 762

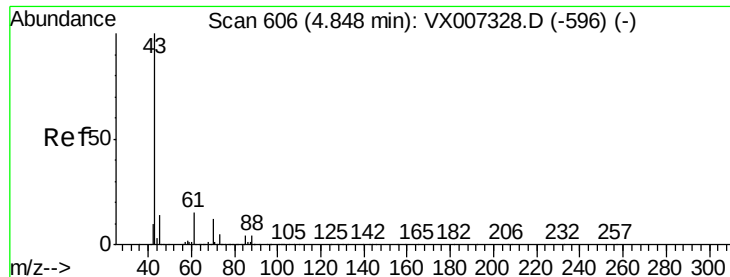
Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Tgt Ion:	75	Resp:	113632
Ion Ratio	Lower	Upper	
75	100		
110	39.5	20.0	59.9
77	29.9	24.7	37.1





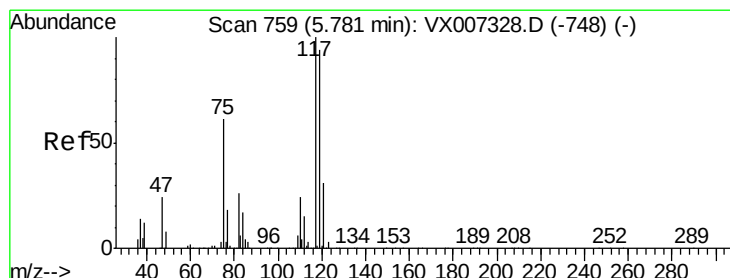
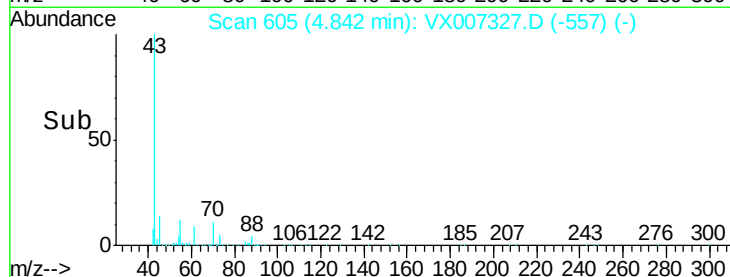
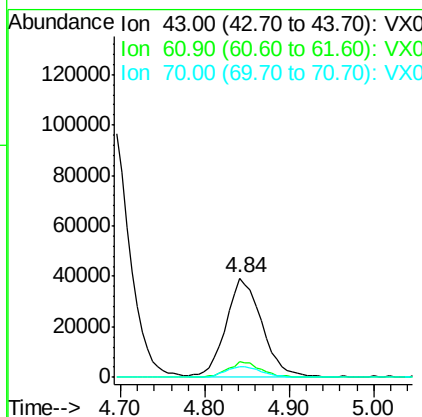
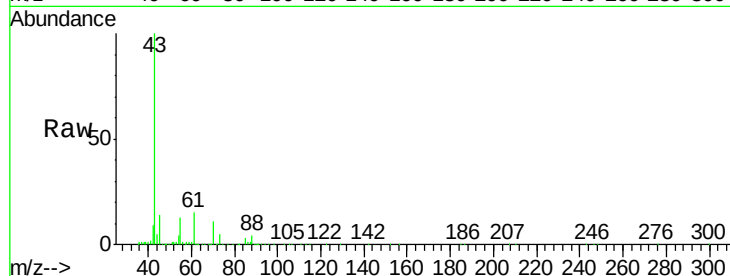
#37
Ethyl Acetate
Concen: 18.336 ug/l
RT: 4.84 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	113104
Ion Ratio	Lower	Upper	
43	100		
61	15.0	11.3	16.9
70	11.4	8.6	13.0

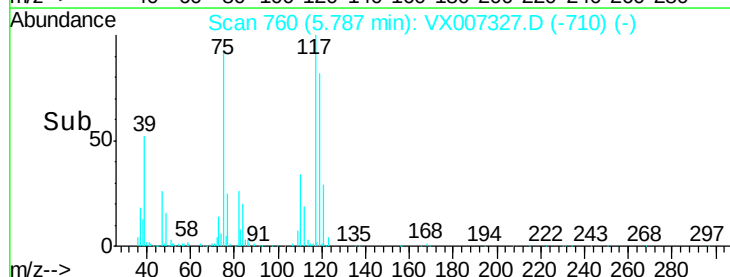
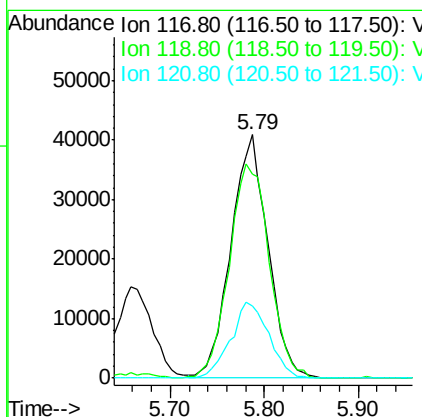
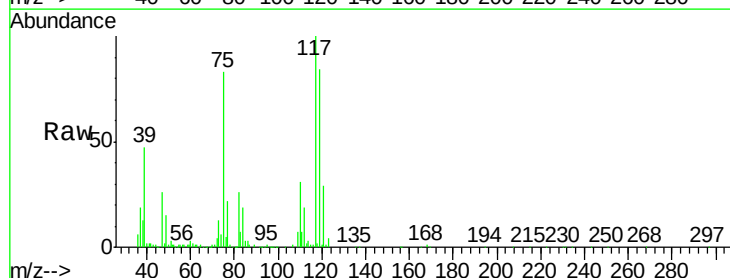
Manual Integrations
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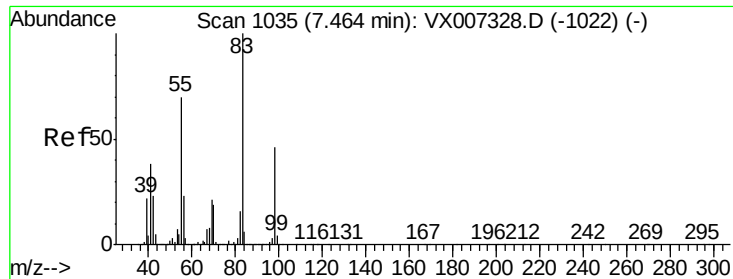
MMDadoda
2/4/2019 9:37:28 AM



#38
Carbon Tetrachloride
Concen: 18.824 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion:	117	Resp:	111435
Ion Ratio	Lower	Upper	
117	100		
119	83.9	75.3	112.9
121	29.3	25.0	37.4





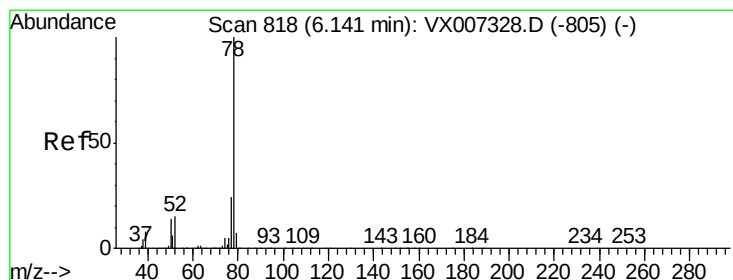
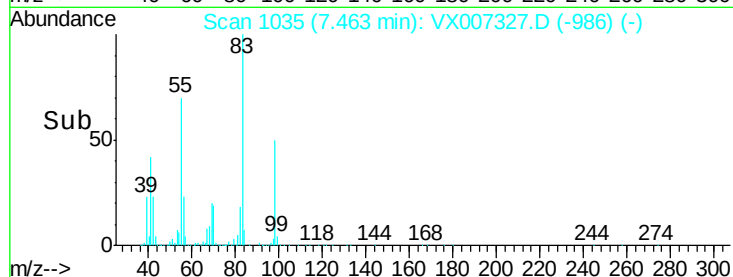
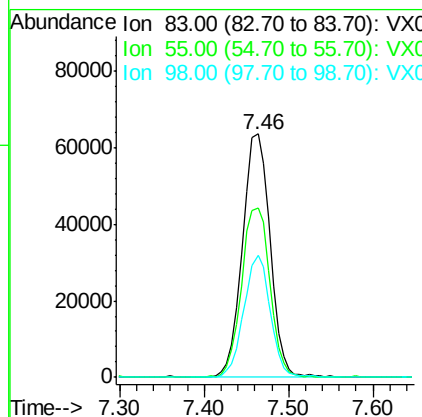
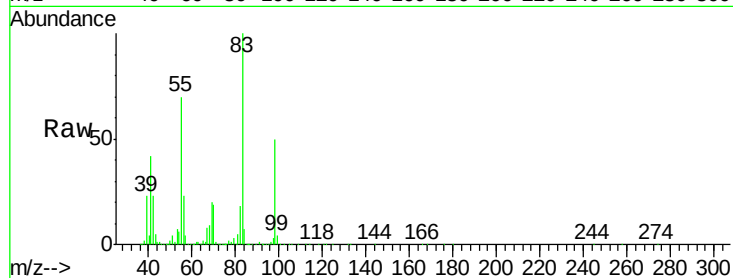
#39
Methylvlcyclohexane
Concen: 19.074 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	56.2	84.2
98	49.9	36.8	55.2

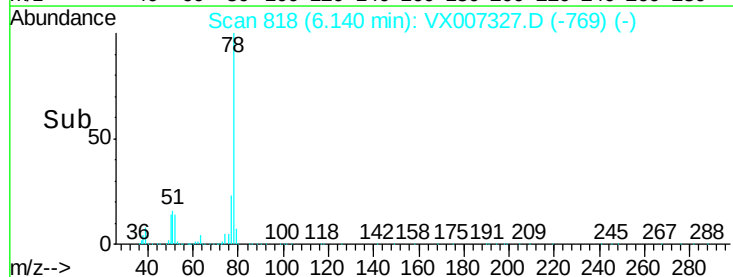
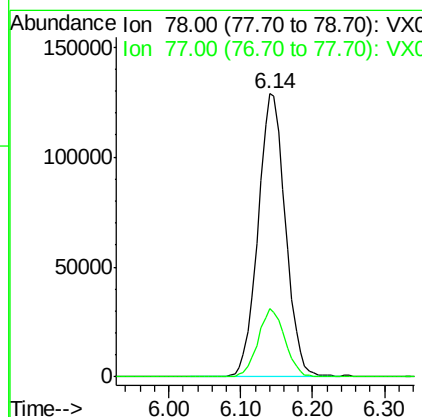
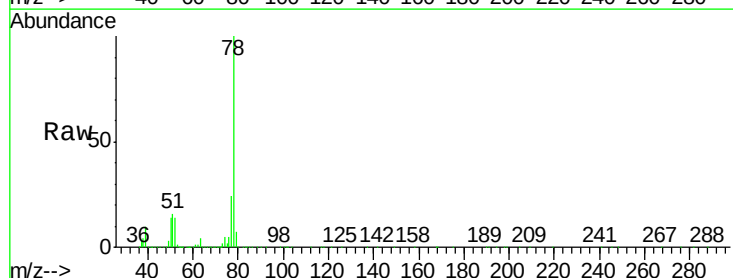
Manual Integrations
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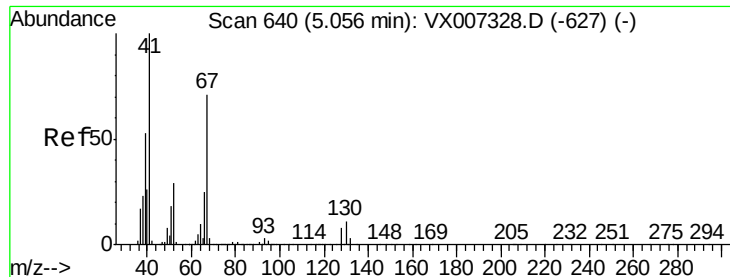
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#40
Benzene
Concen: 18.966 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





#41

Methacrylonitrile

Concen: 18.689 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

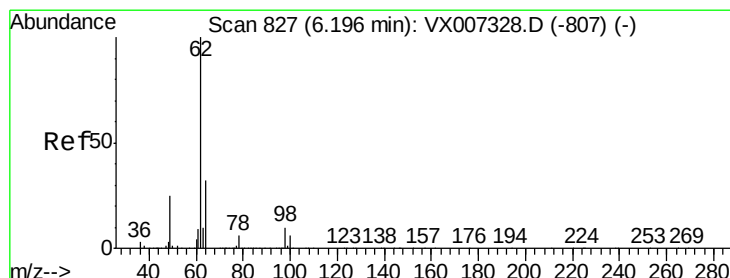
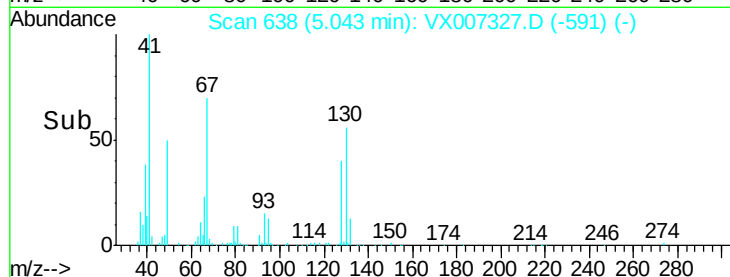
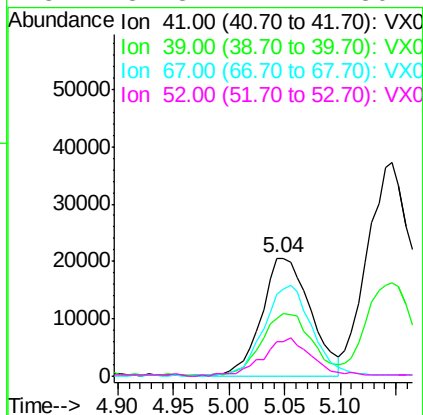
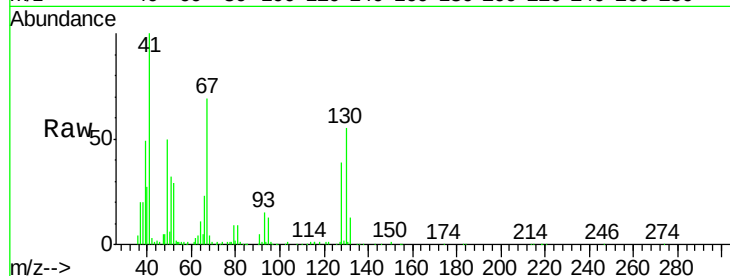
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	44.5	66.7	
67	76.4	60.4	90.6	
52	32.3	24.1	36.1	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.867 ug/l

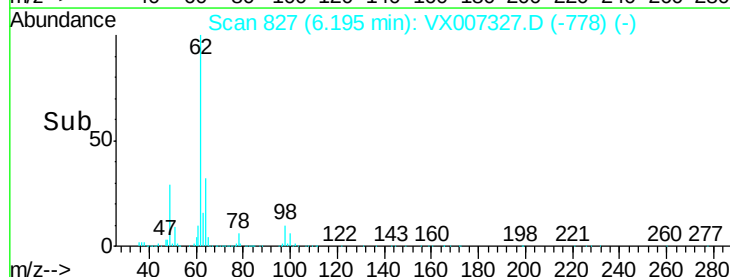
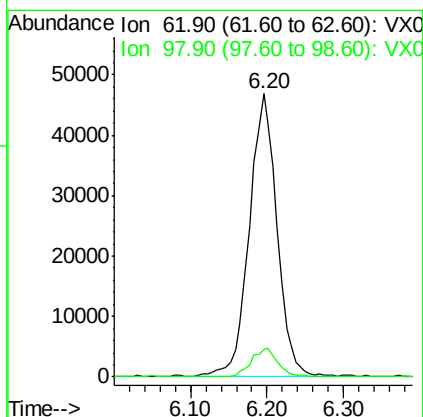
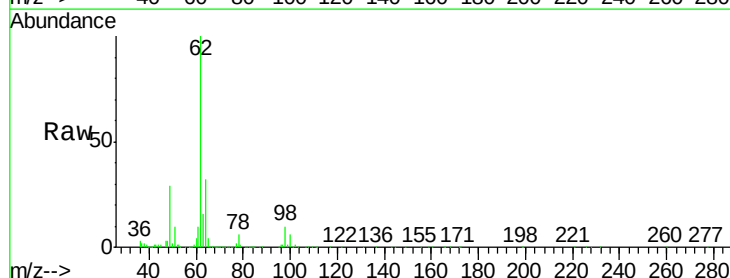
RT: 6.20 min Scan# 827

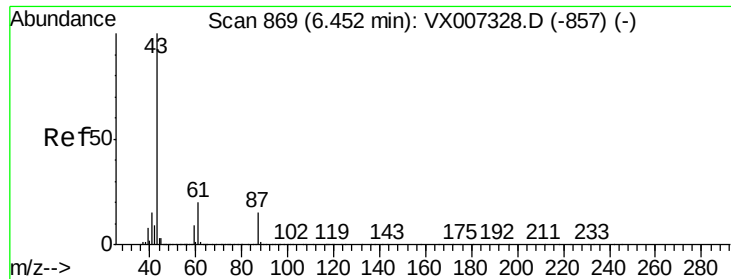
Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.0	





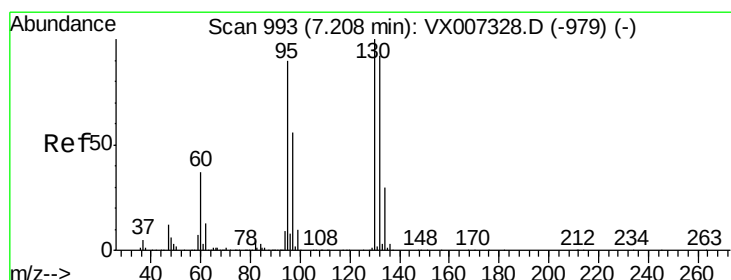
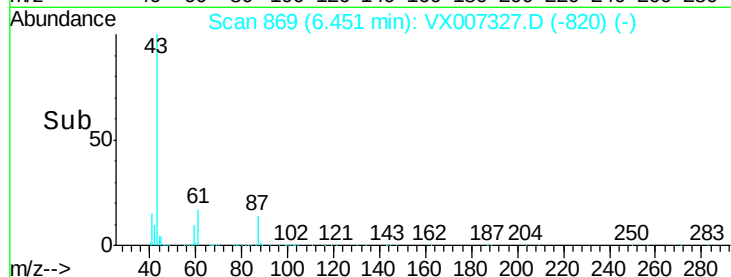
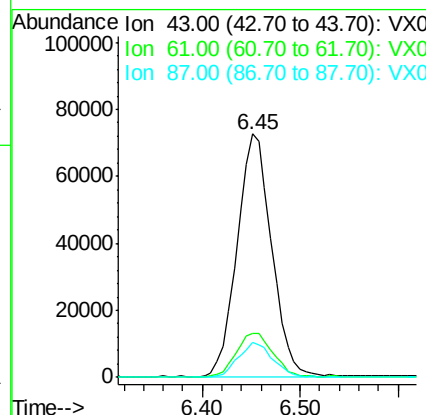
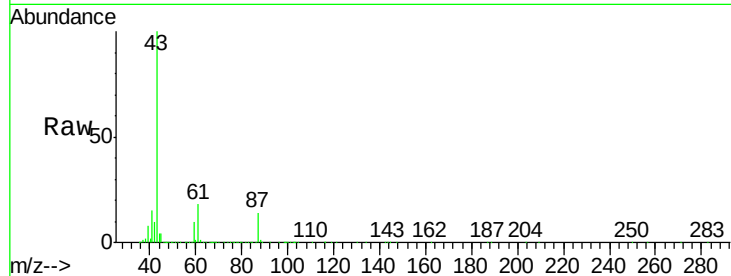
#43
Isopropyl Acetate
Concen: 18.670 ug/l
RT: 6.45 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	14.6	11.5	17.3

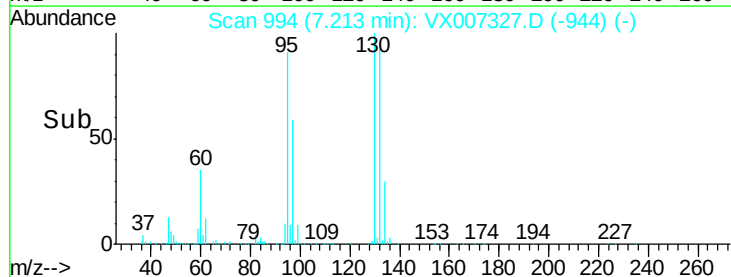
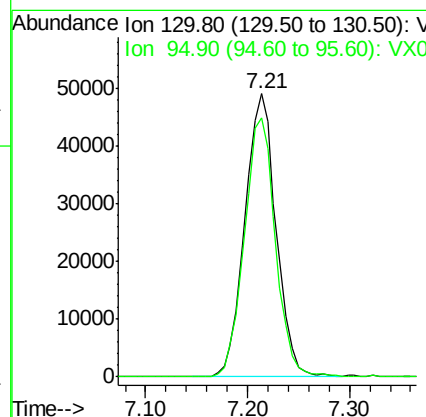
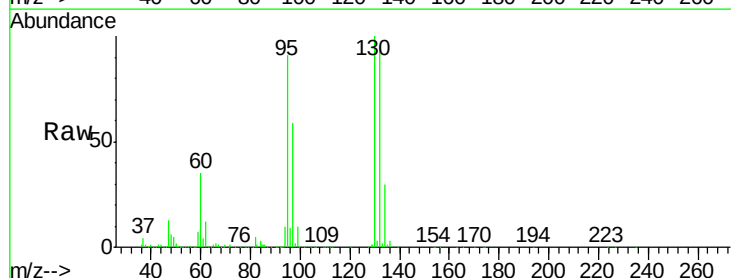
Manual Integrations
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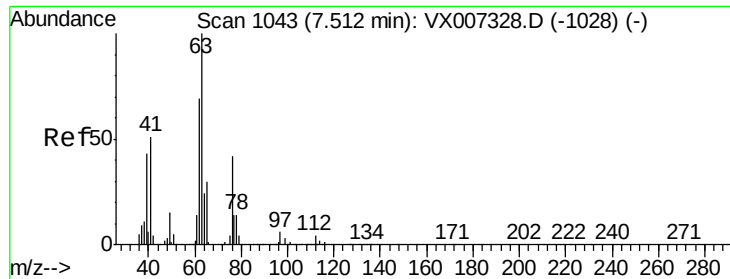
MMDadoda
2/4/2019 9:37:28 AM



#44
Trichloroethene
Concen: 19.287 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	180.0





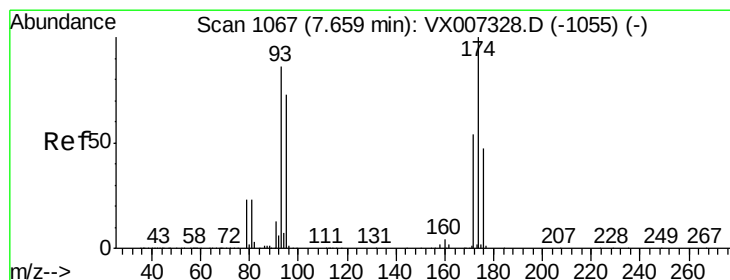
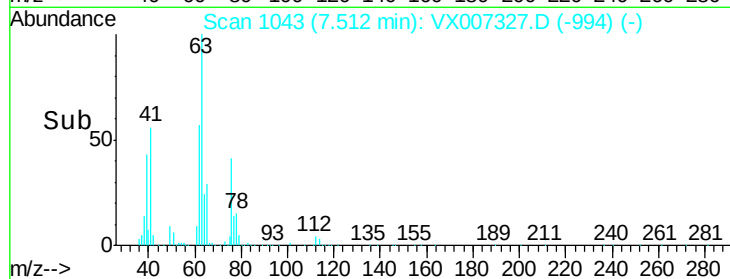
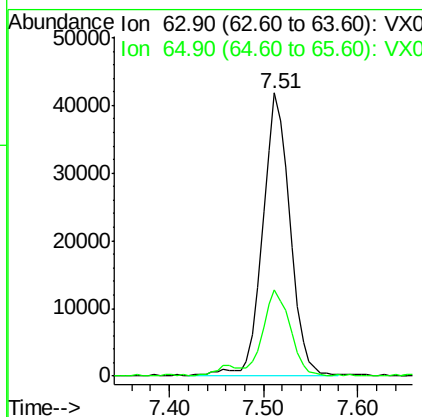
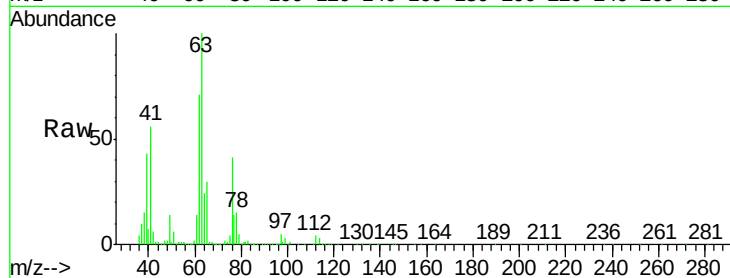
#45
 1,2-Dichloropropane
 Concen: 18.842 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.2	36.2

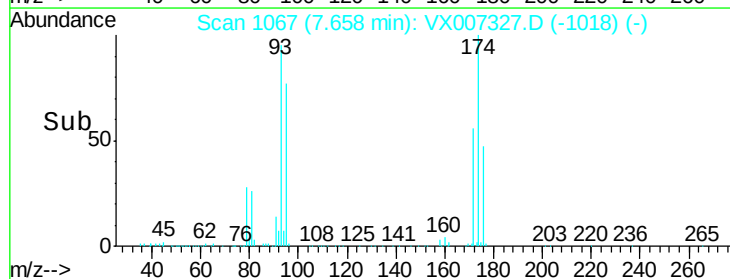
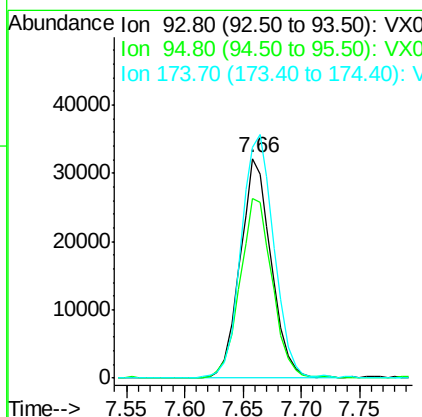
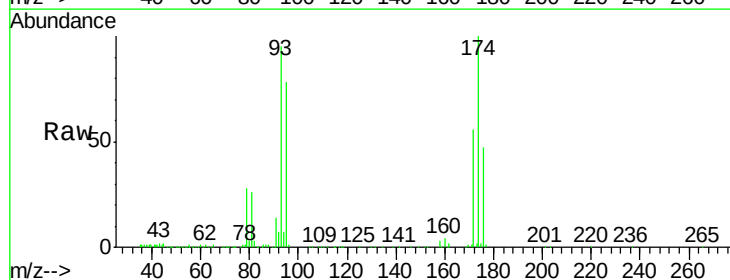
Manual Integrations
 APPROVED

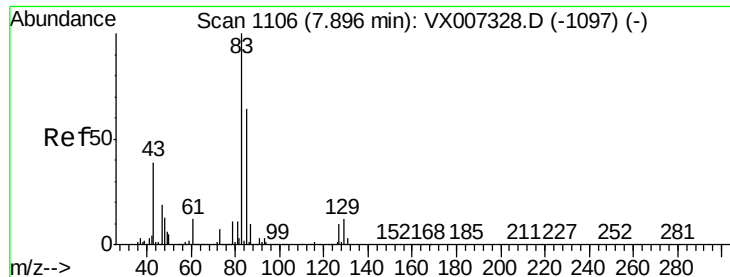
MMDadoda
 2/4/2019 9:37:28 AM



#46
 Dibromomethane
 Concen: 18.275 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.5	67.6	101.4
174	117.2	94.2	141.4





#47

Bromodichloromethane

Concen: 18.546 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

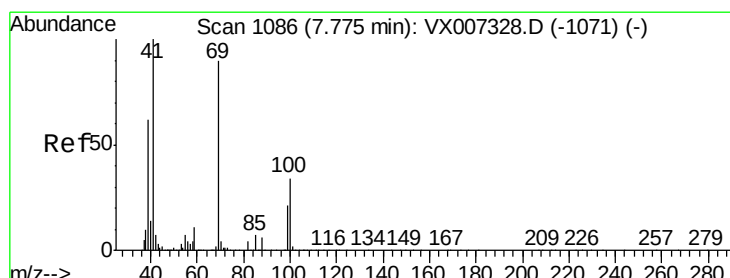
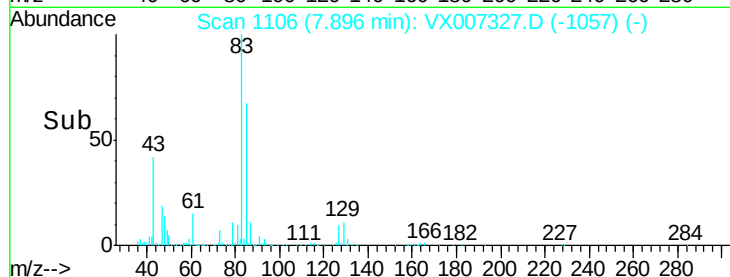
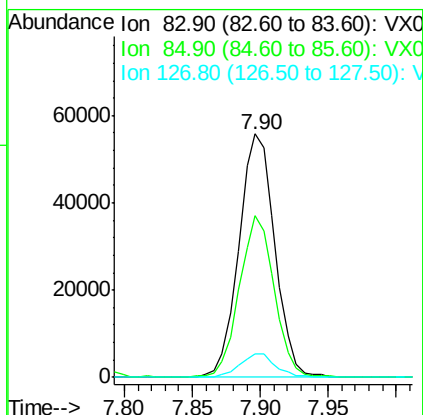
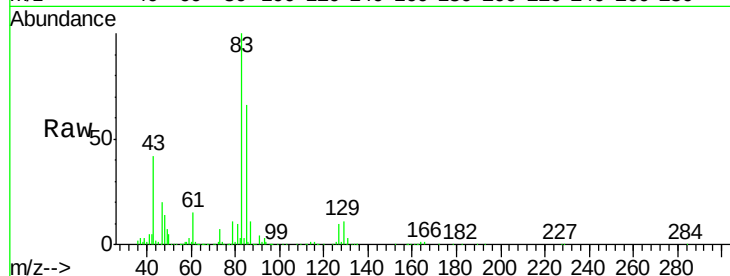
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	102884
Ion Ratio	Lower	Upper	
83	100		
85	66.4	51.4	77.0
127	9.8	8.1	12.1

Manual Integrations
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2/4/2019 9:37:28 AM



#48

Methyl methacrylate

Concen: 19.251 ug/l

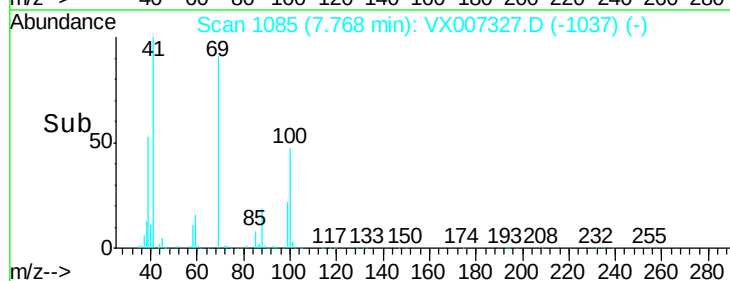
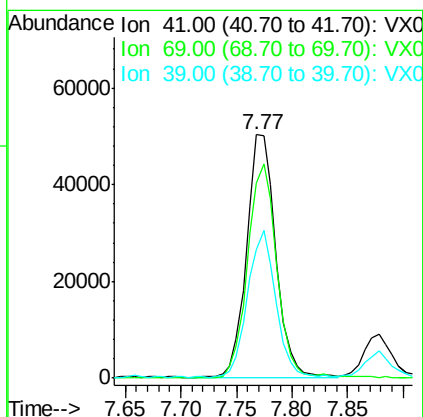
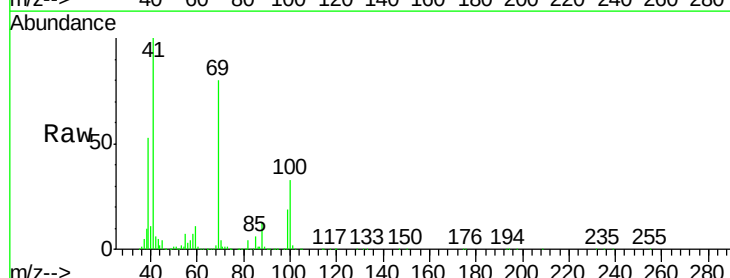
RT: 7.77 min Scan# 1085

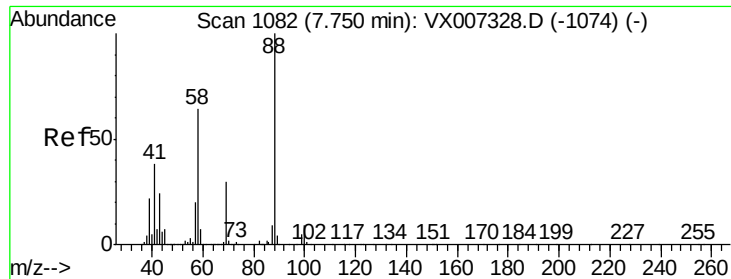
Delta R.T. -0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Tgt Ion:	41	Resp:	91681
Ion Ratio	Lower	Upper	
41	100		
69	88.4	70.2	105.4
39	60.3	47.4	71.0





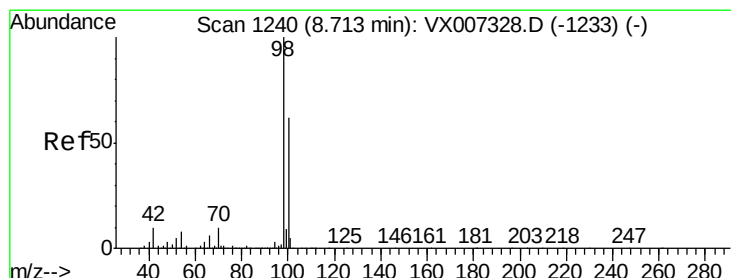
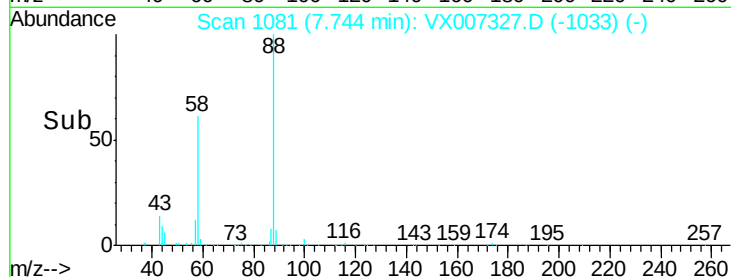
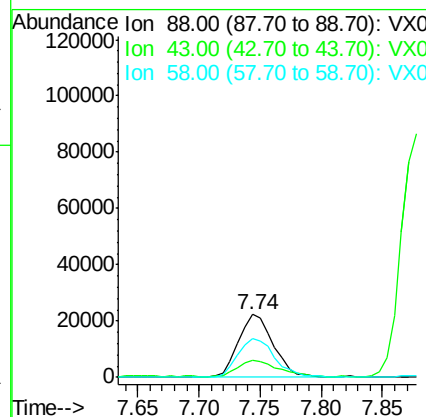
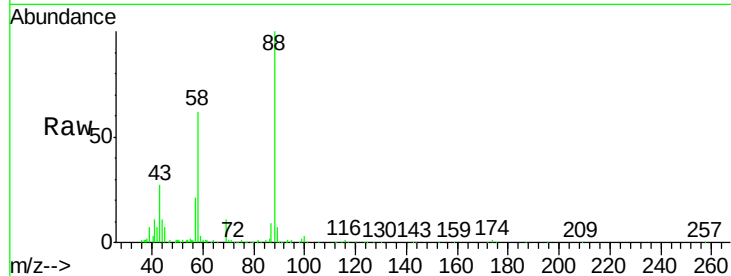
#49
1,4-Dioxane
Concen: 372.805 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	24.2	36.4
58	65.2	53.0	79.4

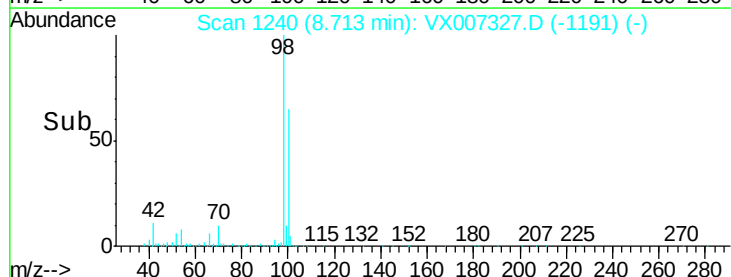
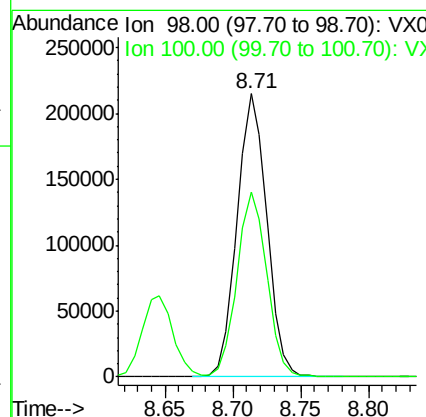
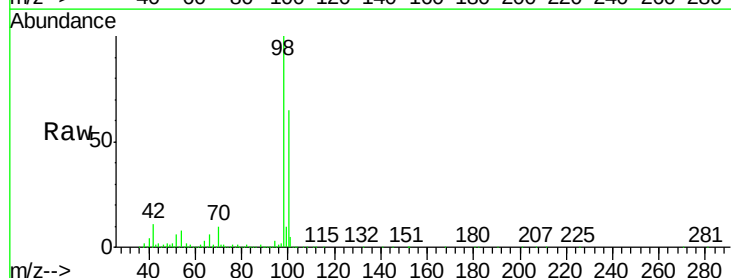
Manual Integrations
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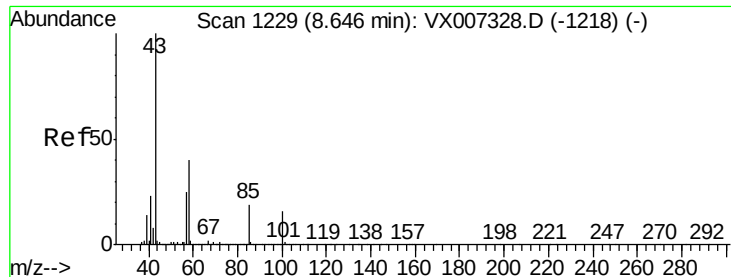
MMDadoda
2/4/2019 9:37:28 AM



#50
Toluene-d8
Concen: 19.974 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 95.457 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 598303

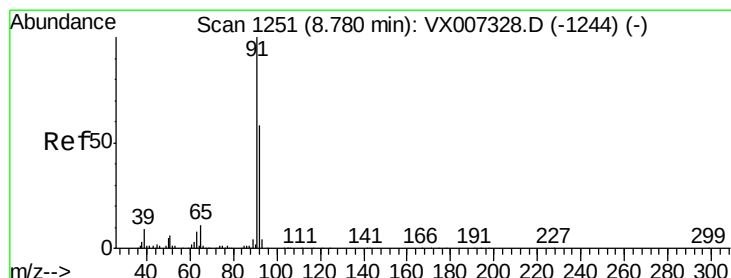
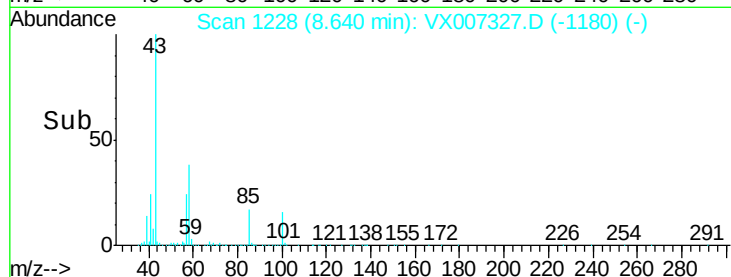
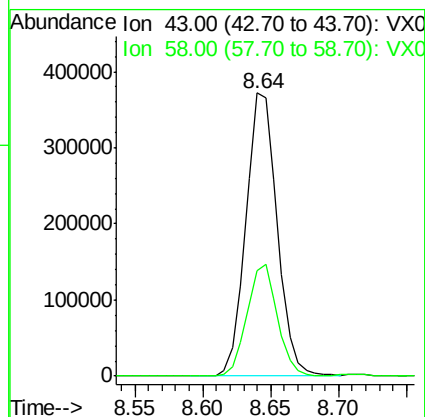
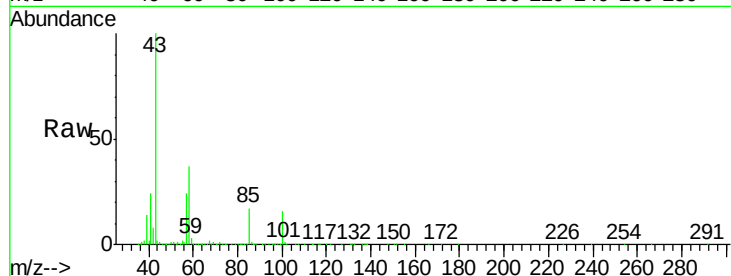
Ion Ratio Lower Upper

43 100

58 38.4 31.2 46.8

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#52

Toluene

Concen: 18.864 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007327.D

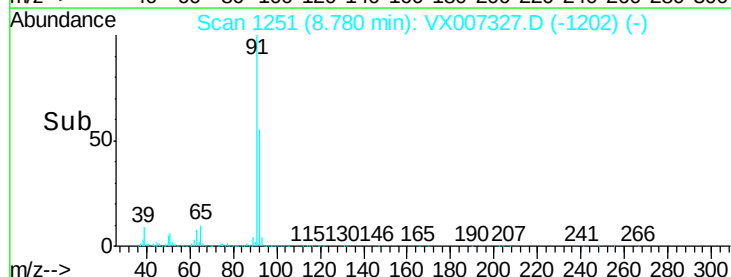
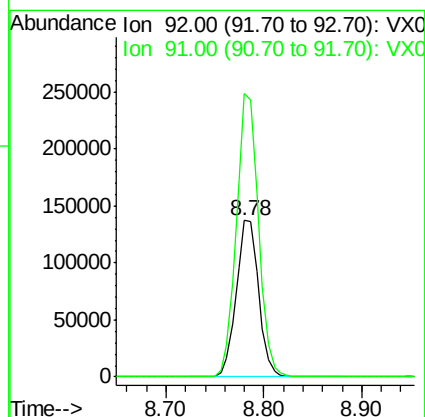
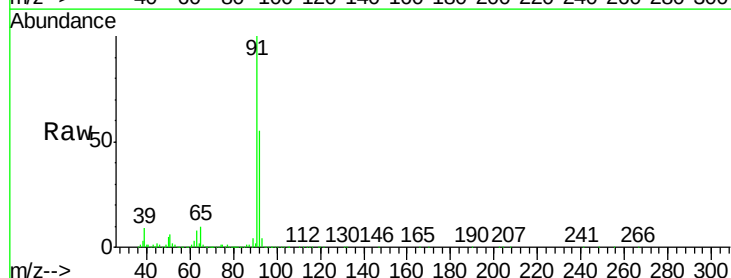
Acq: 01 Feb 2019 10:29

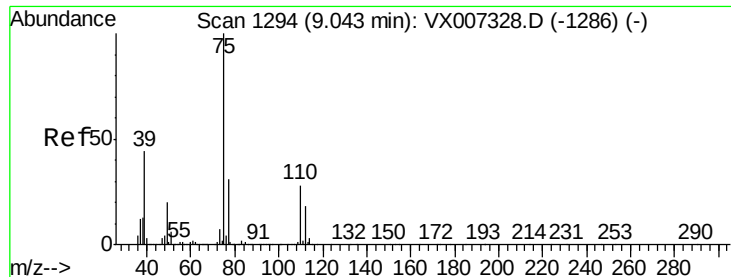
Tgt Ion: 92 Resp: 218768

Ion Ratio Lower Upper

92 100

91 178.0 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 18.452 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 109952

Ion Ratio Lower Upper

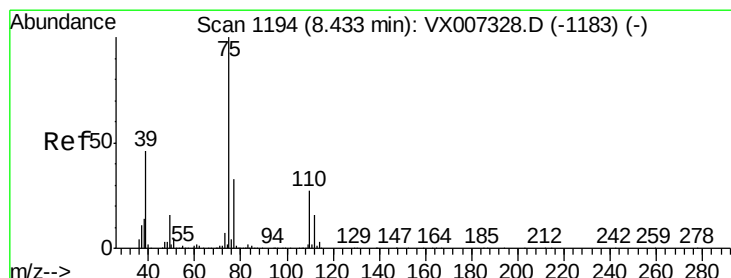
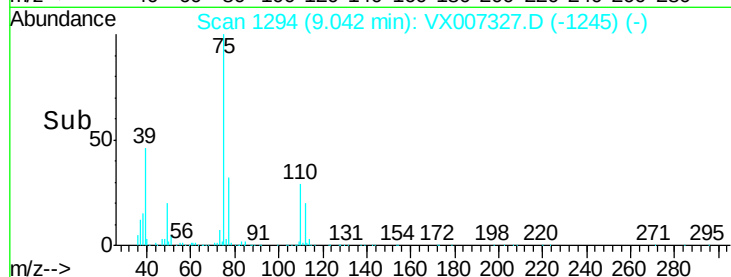
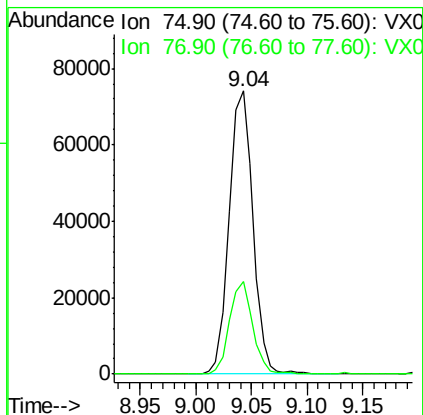
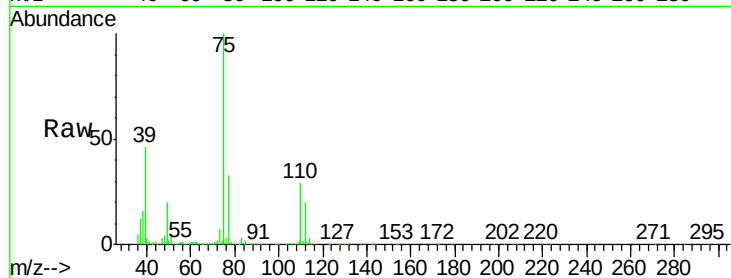
75 100

77 32.3 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.339 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

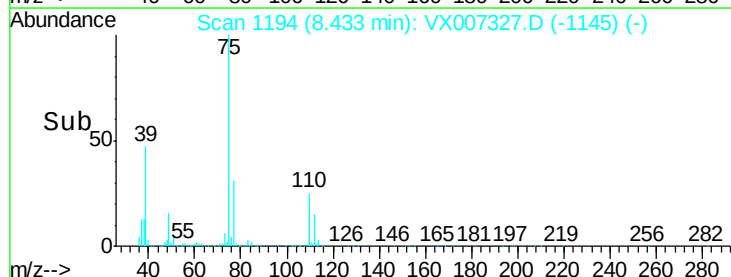
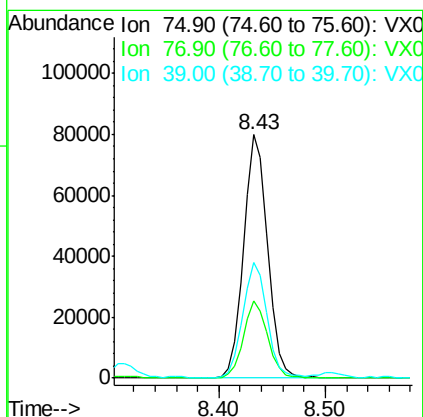
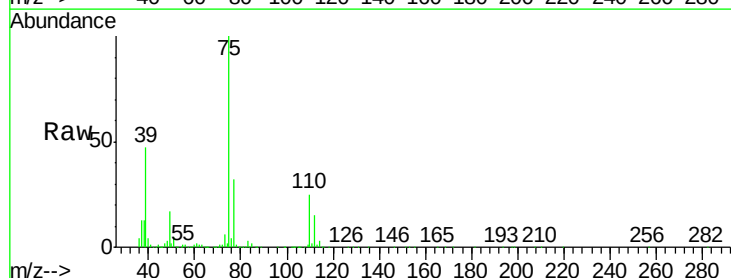
Tgt Ion: 75 Resp: 126724

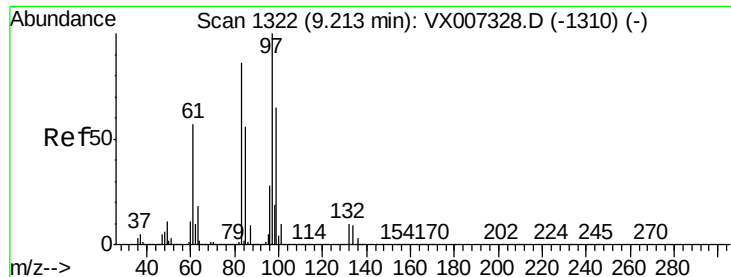
Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.4

39 46.9 37.1 55.7





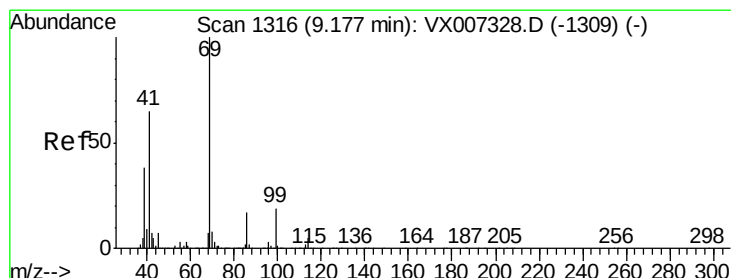
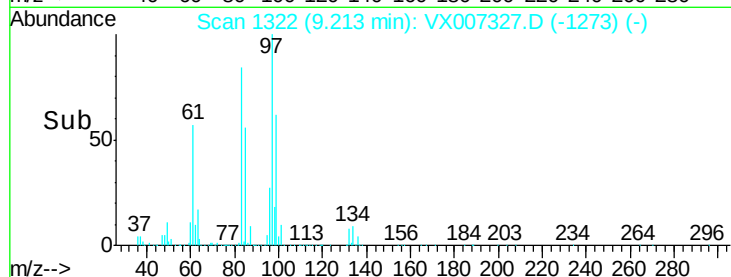
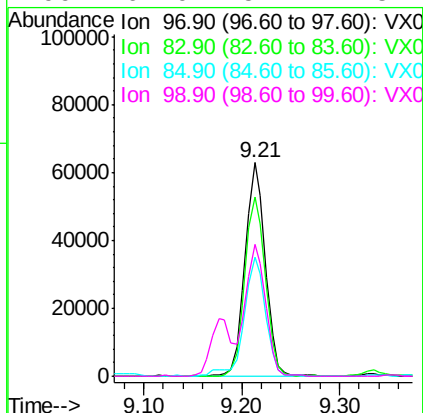
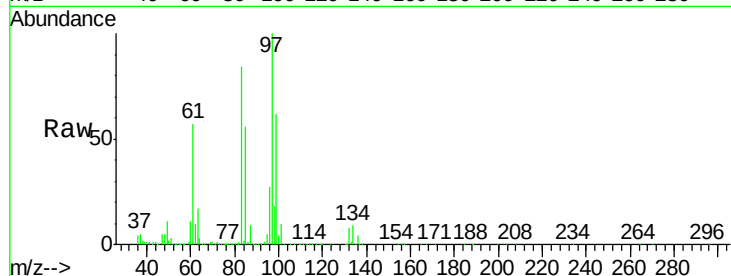
#55
 1,1,2-Trichloroethane
 Concen: 18.847 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.6	102.8
85	55.4	44.5	66.7
99	62.0	52.2	78.4

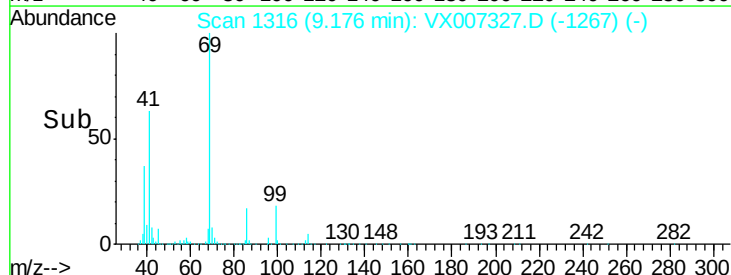
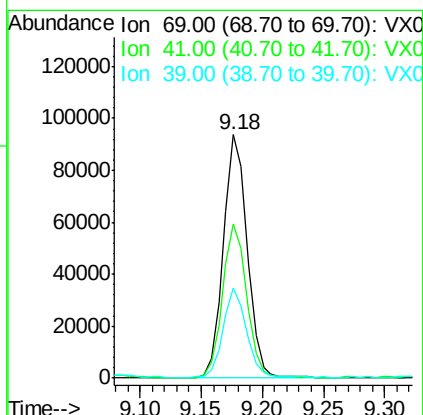
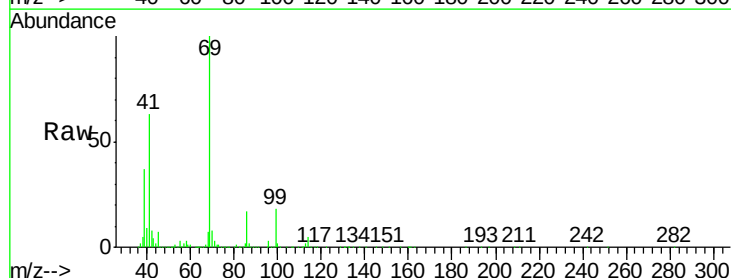
Manual Integrations
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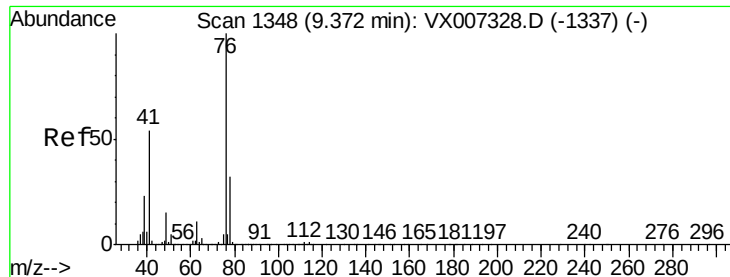
MMDadoda
 2/4/2019 9:37:28 AM



#56
 Ethyl methacrylate
 Concen: 19.018 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	52.1	78.1
39	35.9	30.1	45.1





#57

1,3-Dichloropropane

Concen: 18.747 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 144126

Ion Ratio Lower Upper

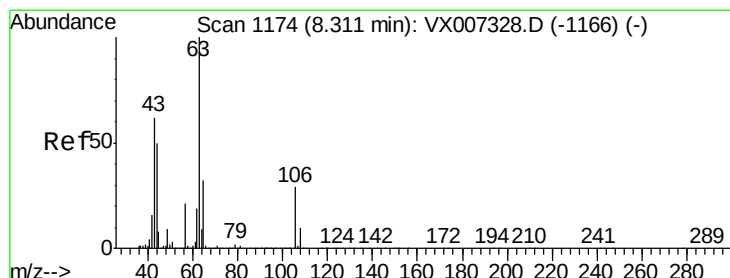
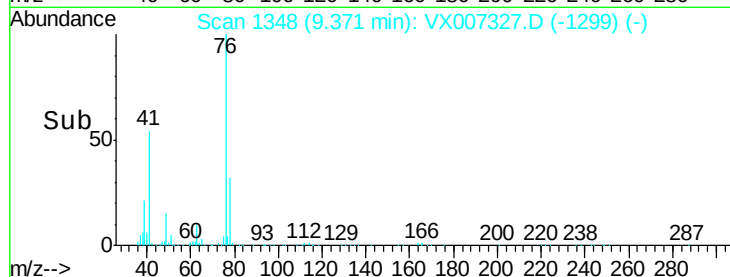
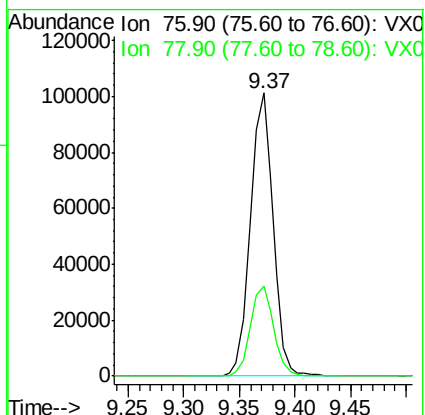
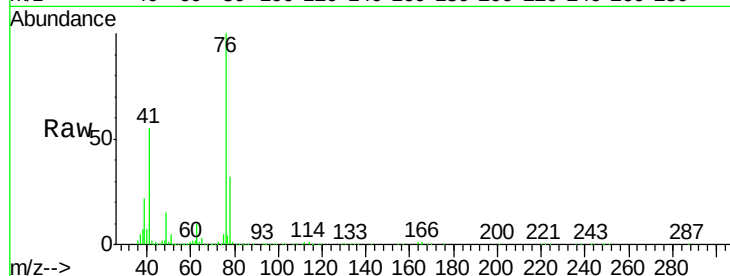
76 100

78 32.9 25.8 38.8

Manual Integrations
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MMDadoda

2/4/2019 9:37:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.324 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007327.D

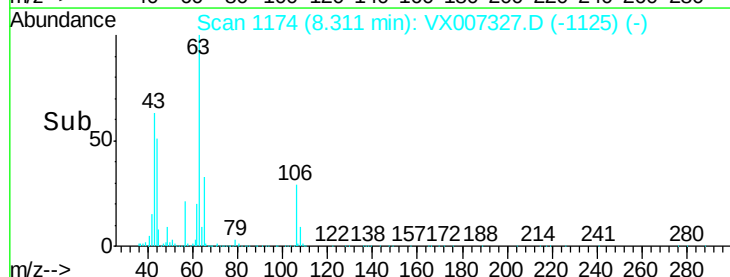
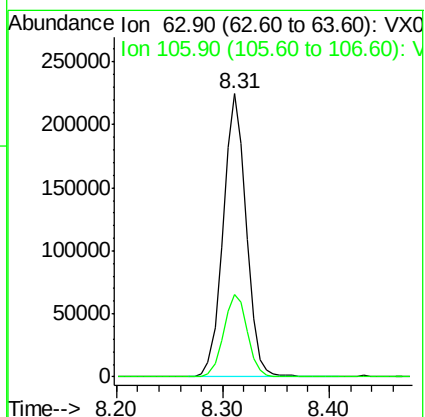
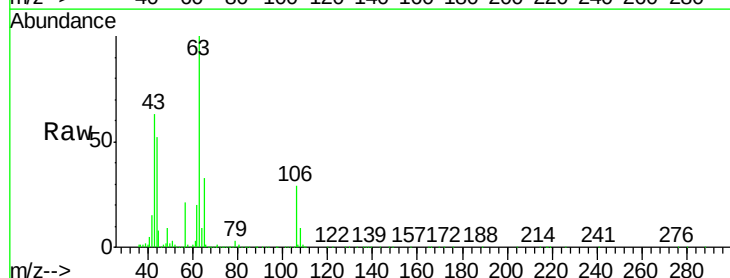
Acq: 01 Feb 2019 10:29

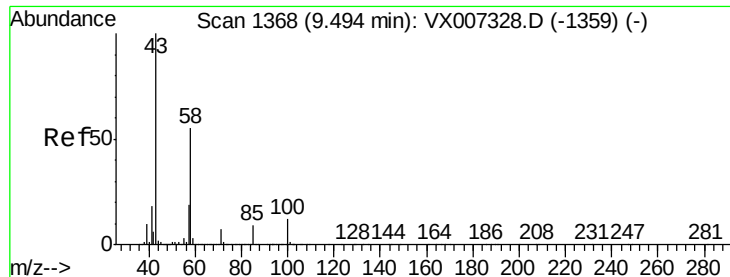
Tgt Ion: 63 Resp: 339931

Ion Ratio Lower Upper

63 100

106 30.2 23.6 35.4





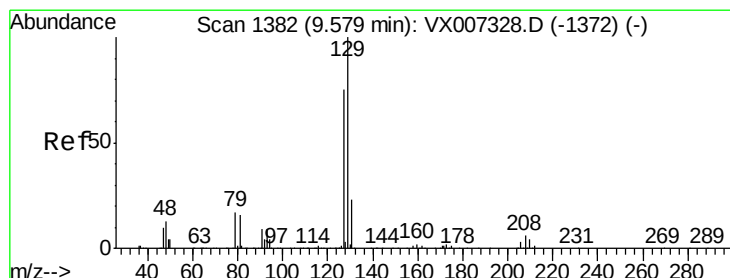
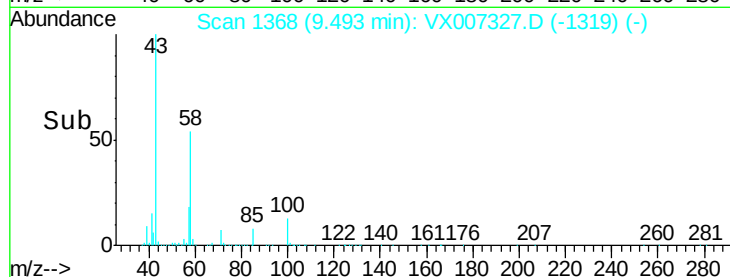
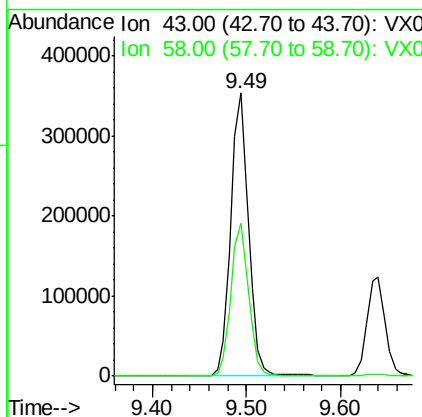
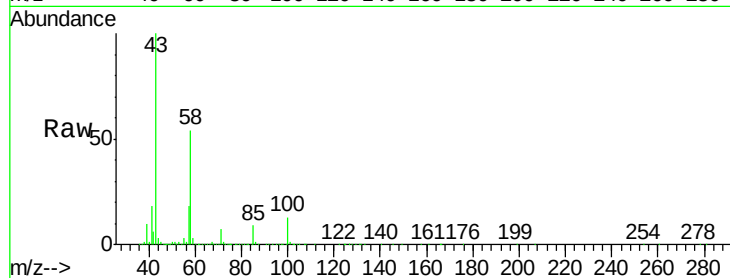
#59
2-Hexanone
Concen: 95.302 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 464826
Ion Ratio Lower Upper
43 100
58 54.0 27.1 81.3

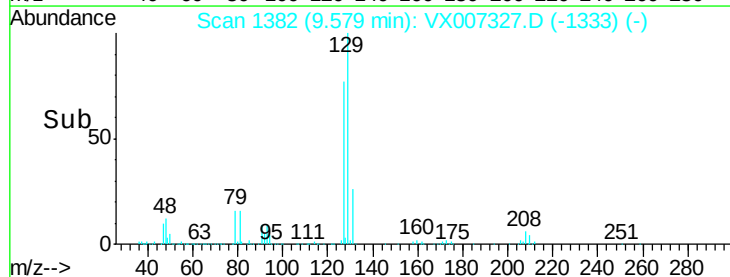
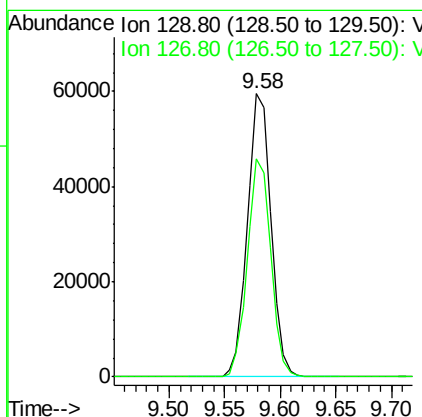
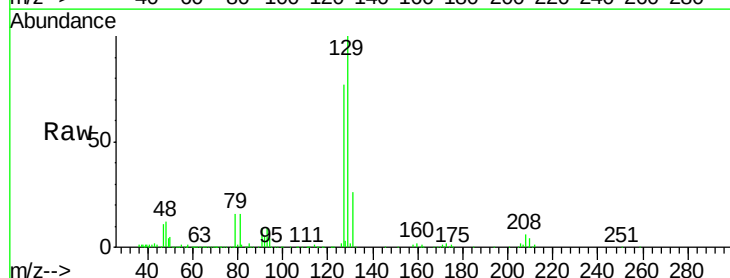
Manual Integrations
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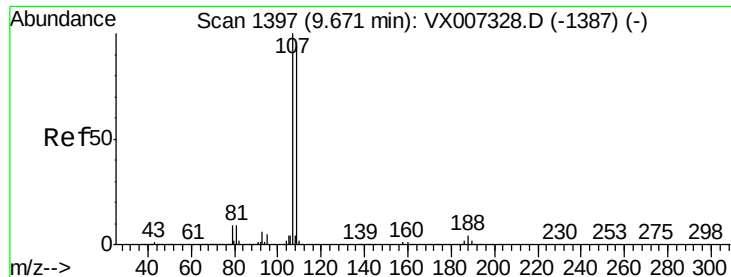
MMDadoda
2/4/2019 9:37:28 AM



#60
Dibromochloromethane
Concen: 19.287 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion: 129 Resp: 88180
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 18.727 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 95874

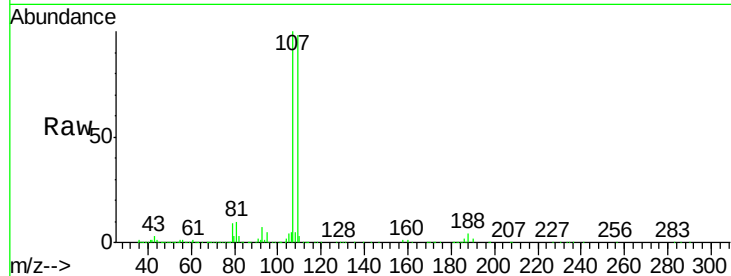
Ion Ratio Lower Upper

107 100

109 96.7 75.1 112.7

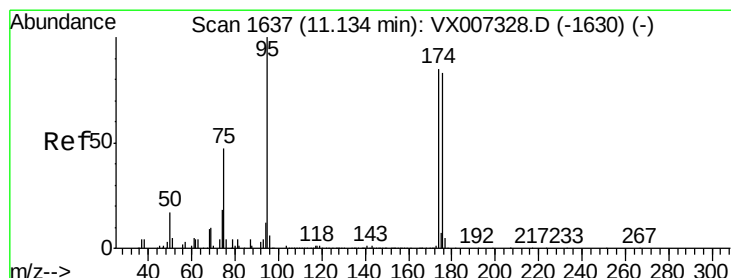
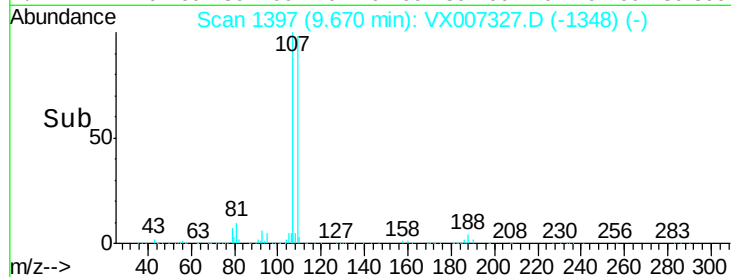
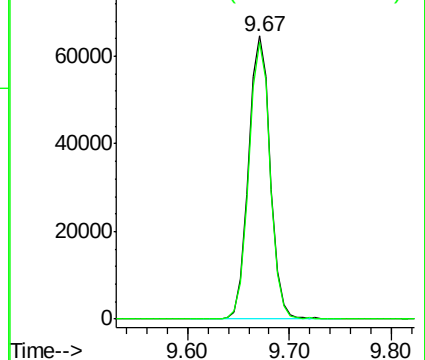
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.631 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

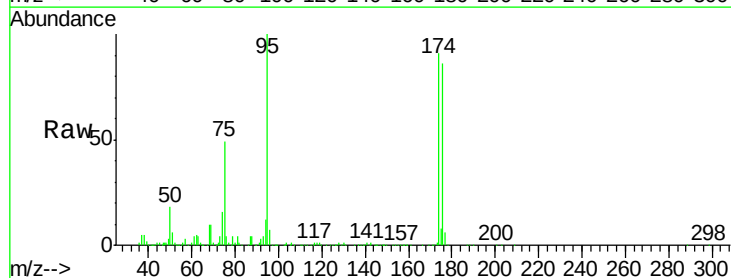
Tgt Ion: 95 Resp: 117671

Ion Ratio Lower Upper

95 100

174 95.7 0.0 189.2

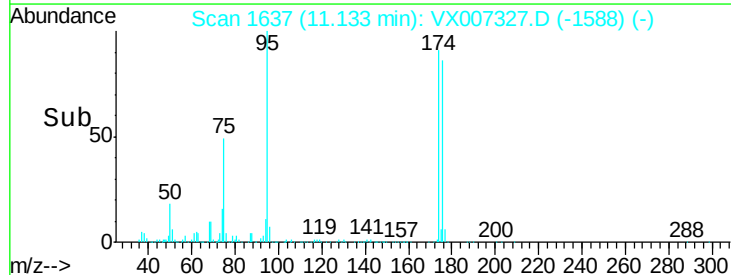
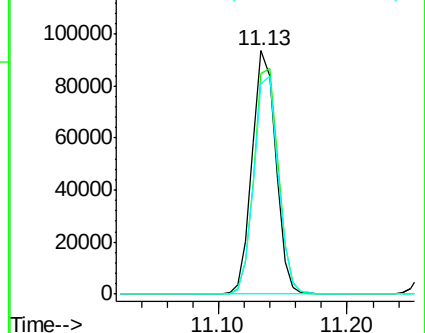
176 91.3 0.0 186.2

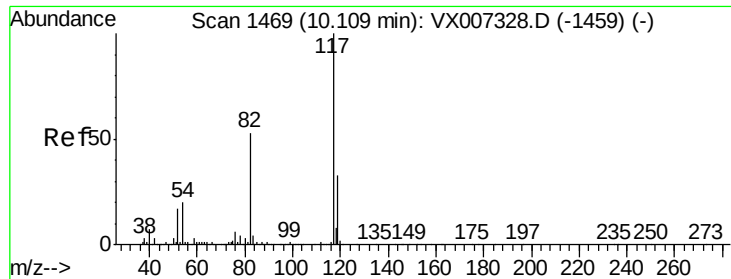


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





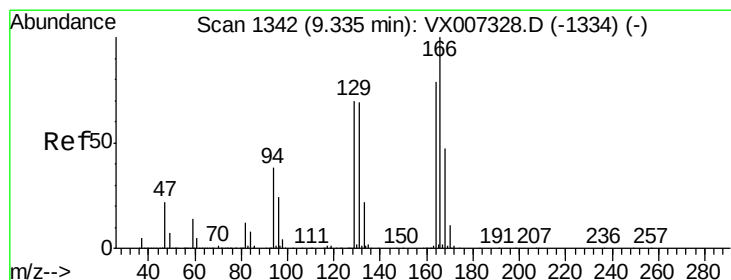
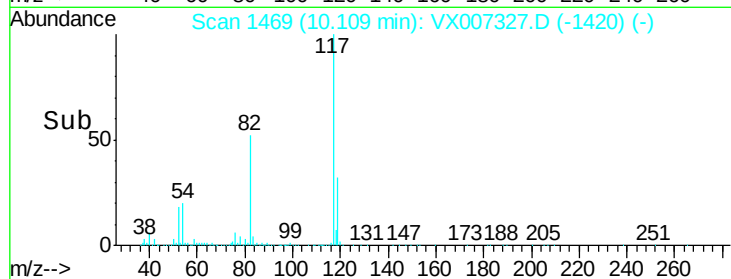
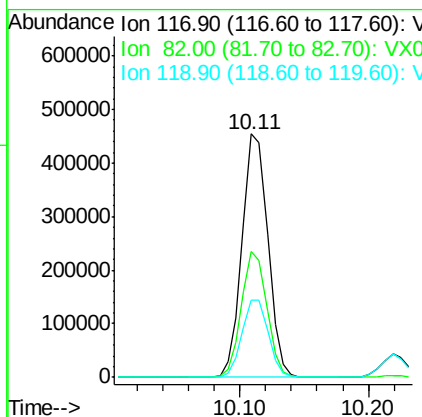
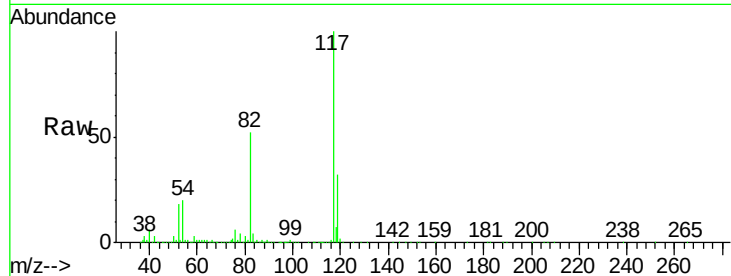
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	631593		
82	51.9	42.1	63.1	
119	31.8	26.5	39.7	

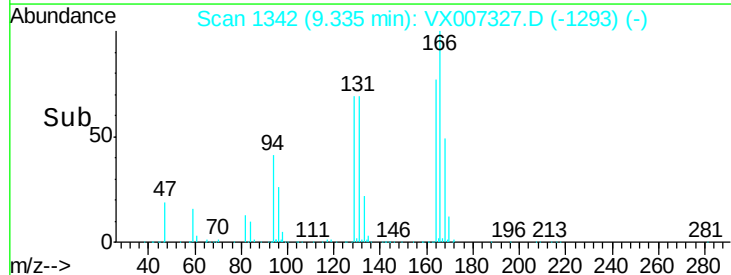
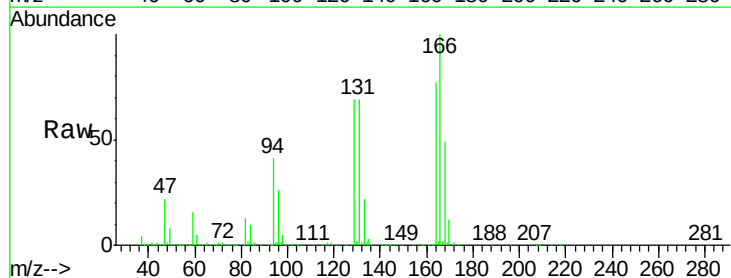
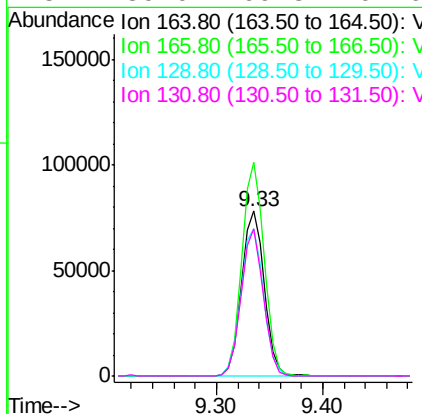
Manual Integrations
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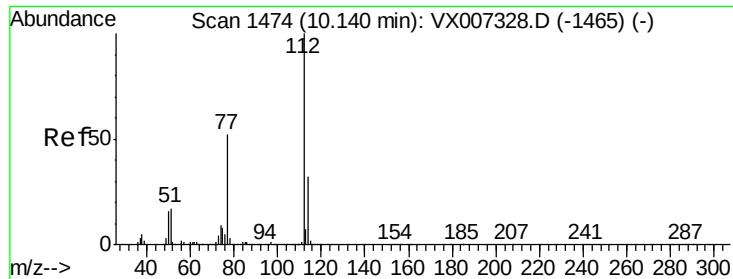
MMDadoda
2/4/2019 9:37:28 AM



#64
Tetrachloroethene
Concen: 19.684 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117179		
166	129.7	101.0	151.4	
129	89.5	70.5	105.7	
131	89.0	69.8	104.6	





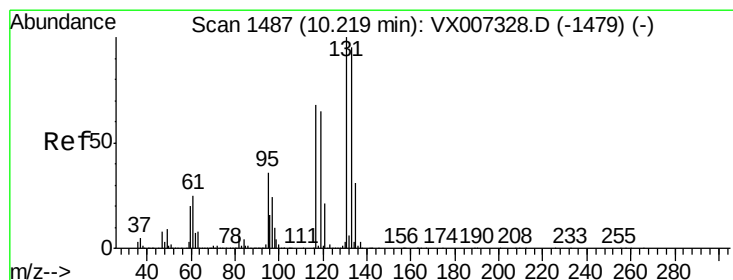
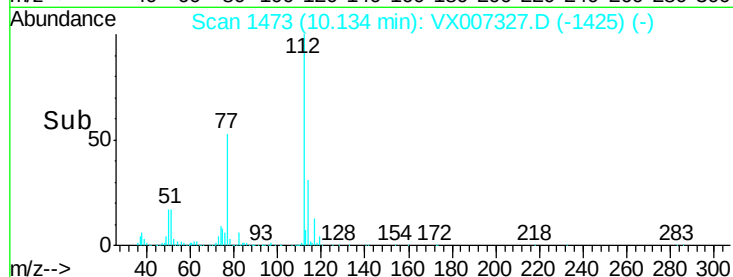
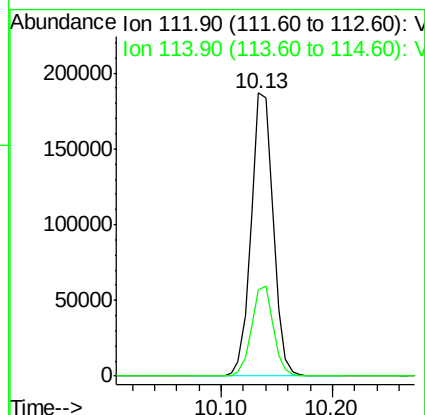
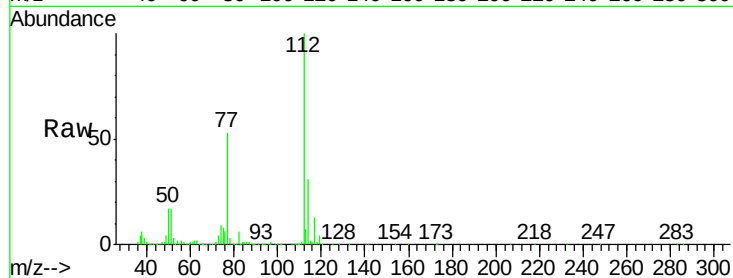
#65
Chlorobenzene
Concen: 18.742 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.8	38.6

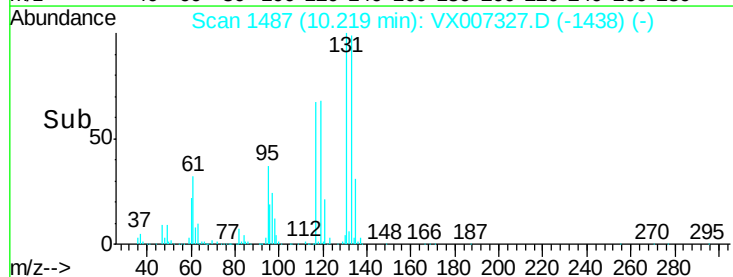
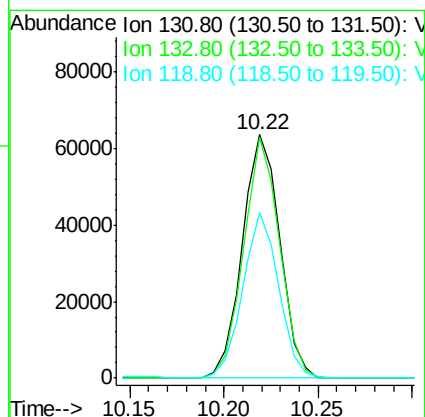
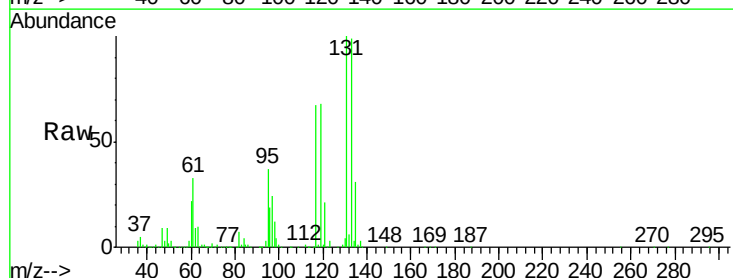
Manual Integrations
APPROVED

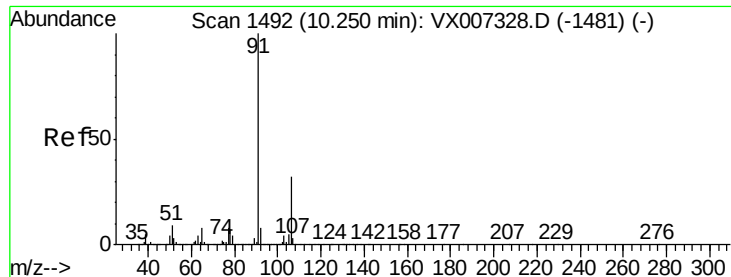
MMDadoda
2/4/2019 9:37:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.018 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.0	144.2
119	65.3	32.0	96.0





#67

Ethyl Benzene

Concen: 19.097 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 423855

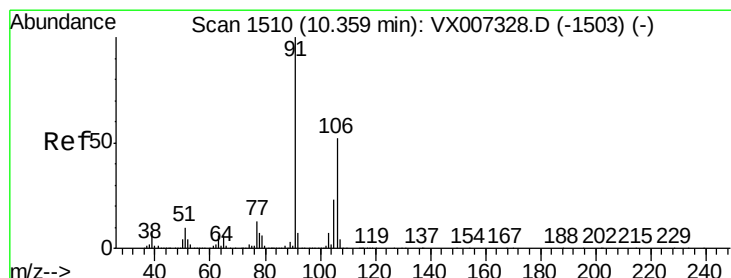
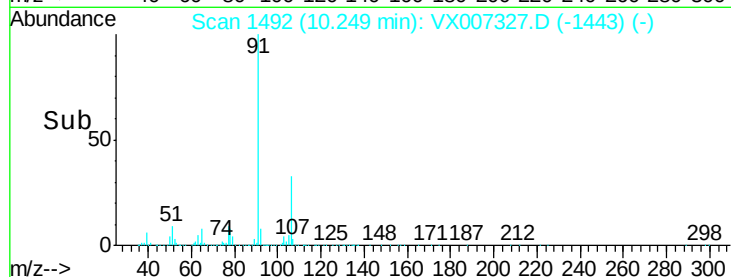
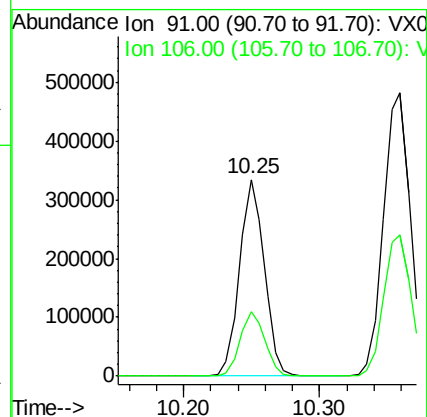
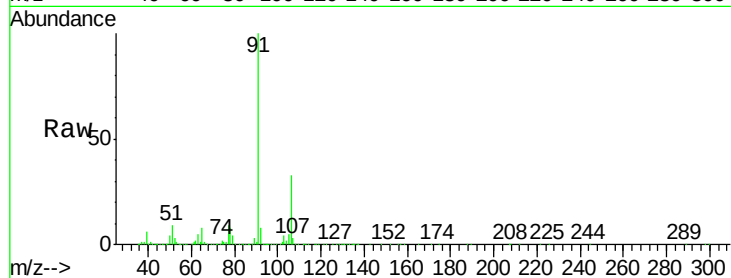
Ion Ratio Lower Upper

91 100

106 32.9 25.4 38.0

Manual Integrations
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2/4/2019 9:37:28 AM



#68

m/p-Xylenes

Concen: 38.021 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007327.D

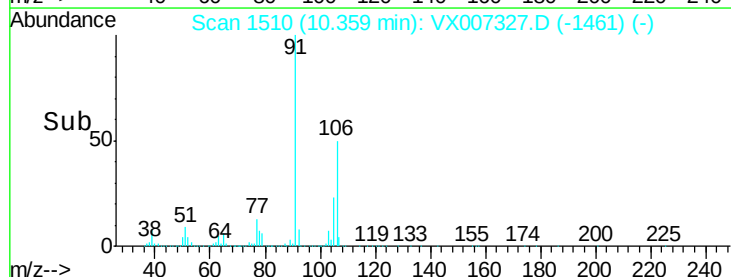
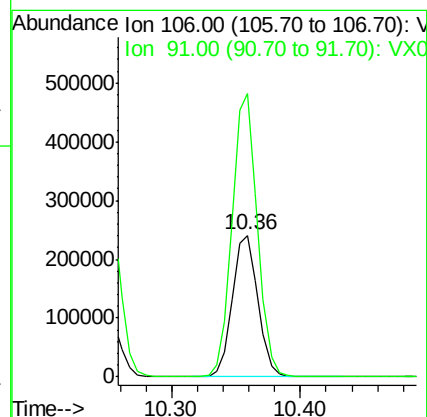
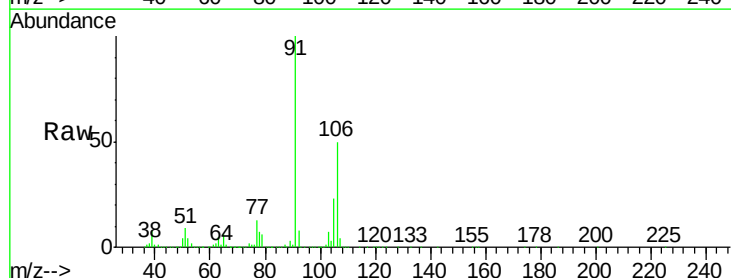
Acq: 01 Feb 2019 10:29

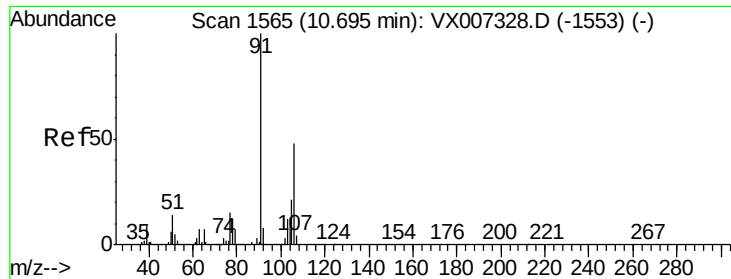
Tgt Ion: 106 Resp: 335455

Ion Ratio Lower Upper

106 100

91 197.4 156.6 234.8





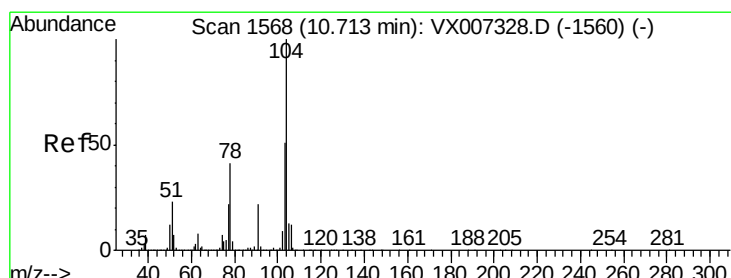
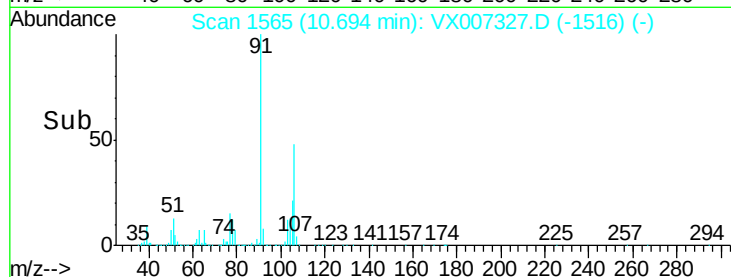
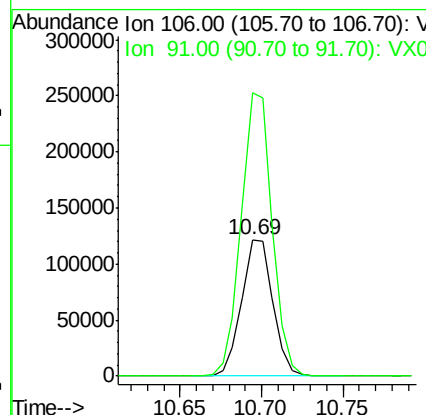
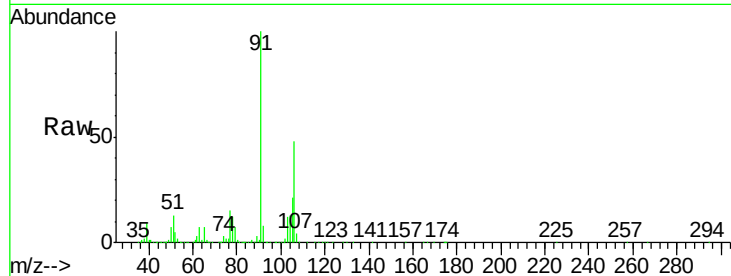
#69
o-Xylene
Concen: 19.238 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.2	102.9	308.7

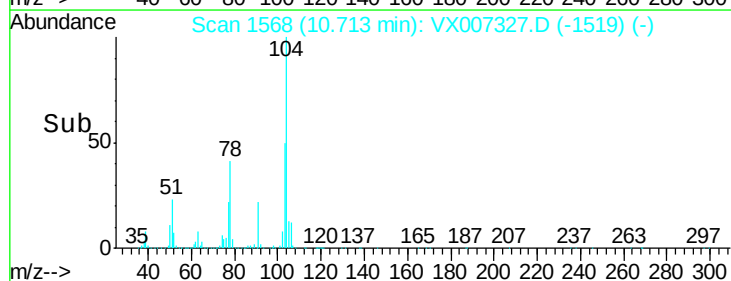
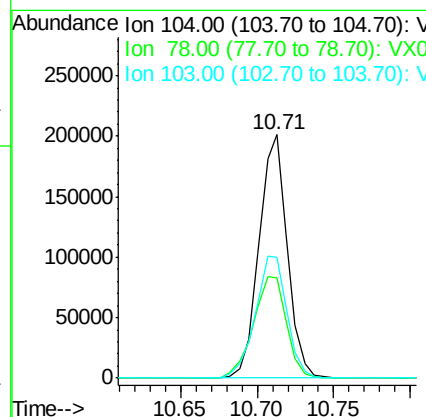
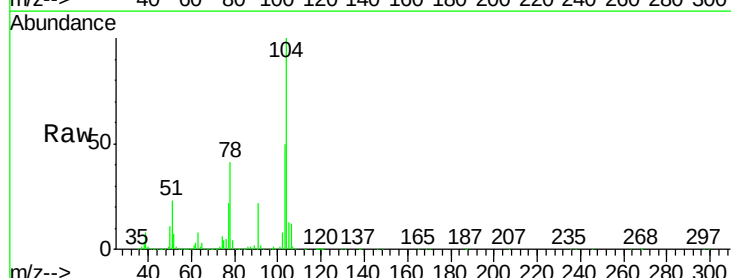
Manual Integrations
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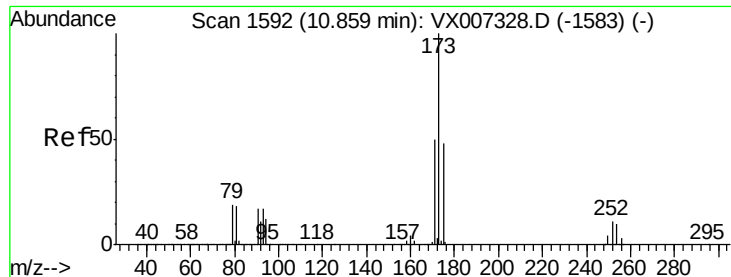
MMDadoda
2/4/2019 9:37:28 AM



#70
Styrene
Concen: 18.837 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.3	57.5
103	56.5	44.6	67.0





#71

Bromoform

Concen: 17.827 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 63738

Ion Ratio Lower Upper

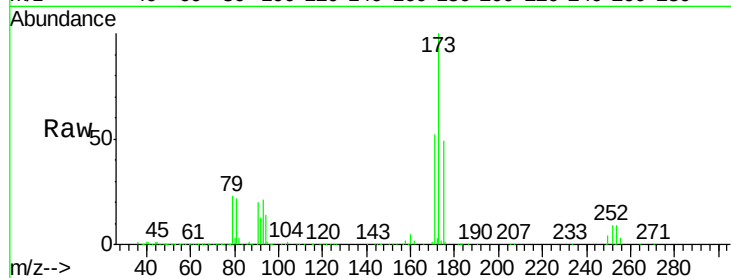
173 100

175 49.5 24.2 72.6

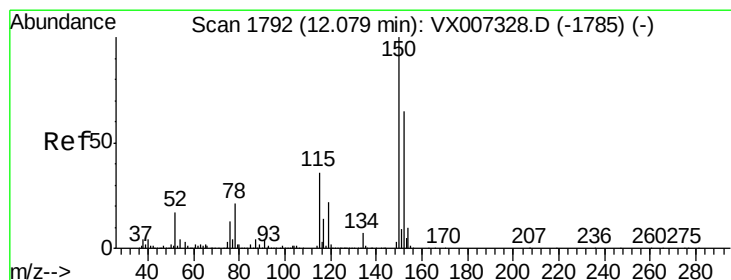
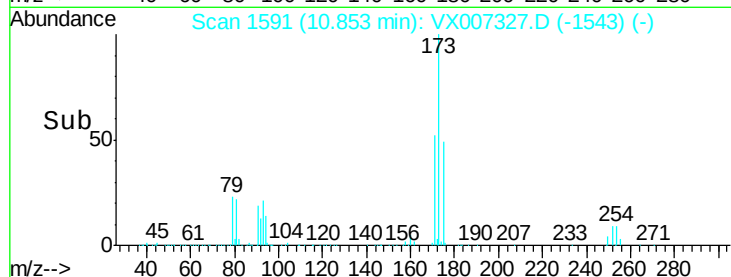
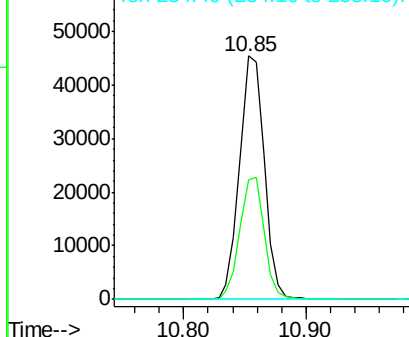
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

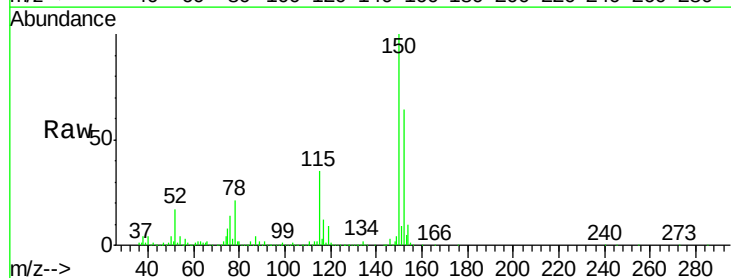
Tgt Ion:152 Resp: 336797

Ion Ratio Lower Upper

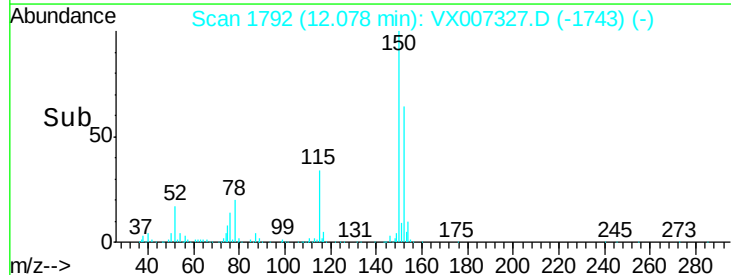
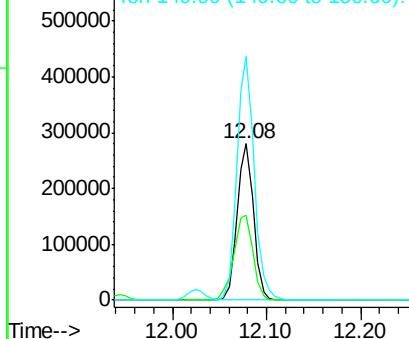
152 100

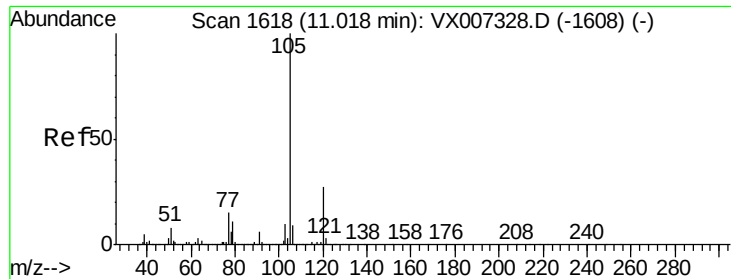
115 63.7 38.0 114.0

150 163.6 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: 18.990 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 434635

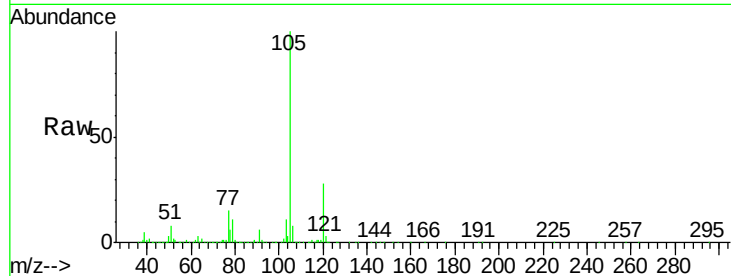
Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7

Manual Integrations
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2/4/2019 9:37:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

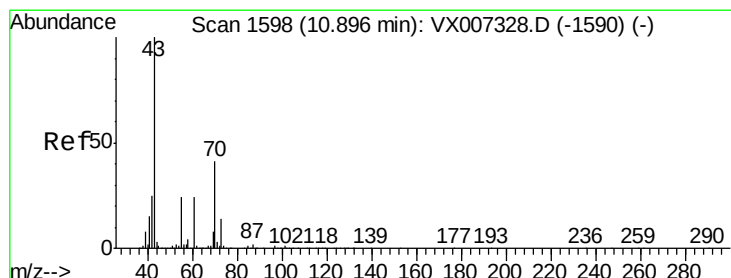
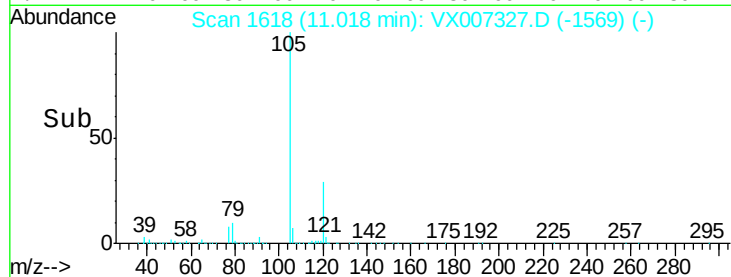
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.493 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Tgt Ion: 43 Resp: 163707

Ion Ratio Lower Upper

43 100

70 42.9 33.8 50.6

55 26.2 19.5 29.3

61 24.0 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

200000

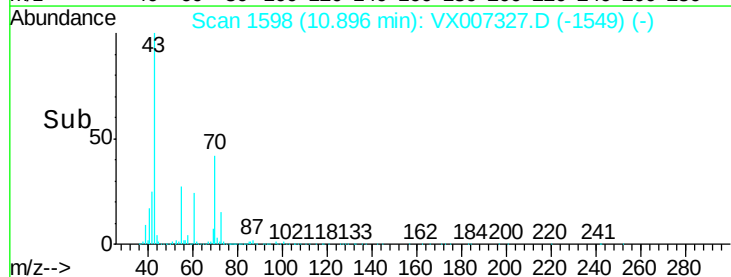
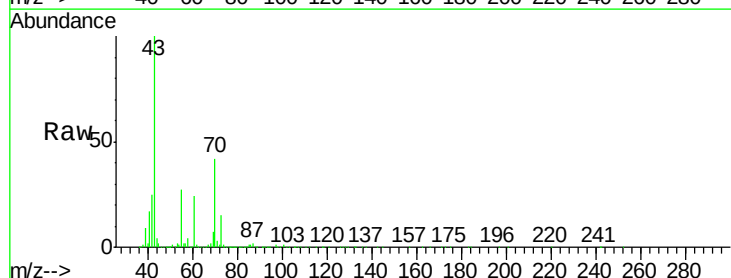
150000

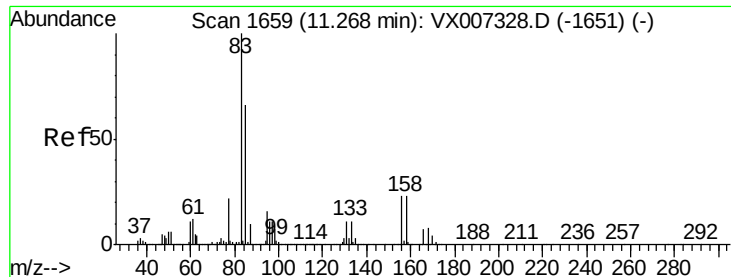
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.526 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

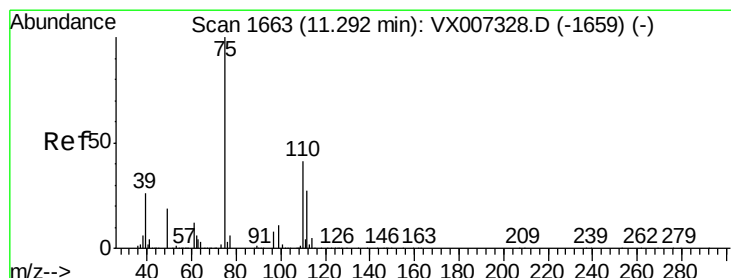
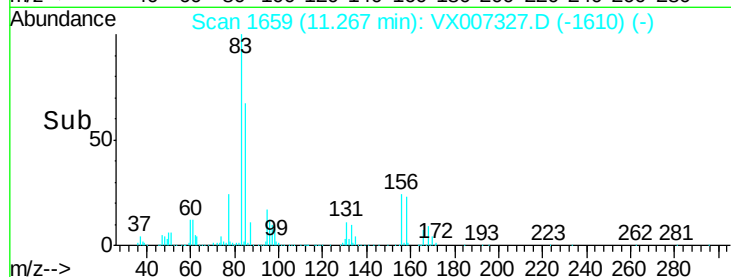
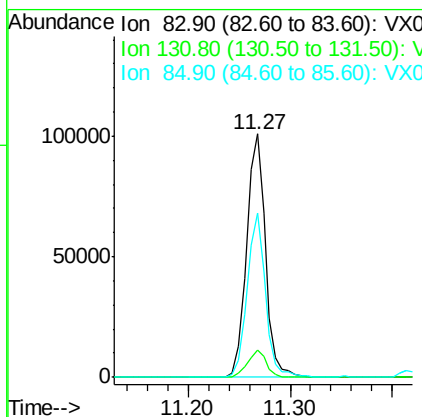
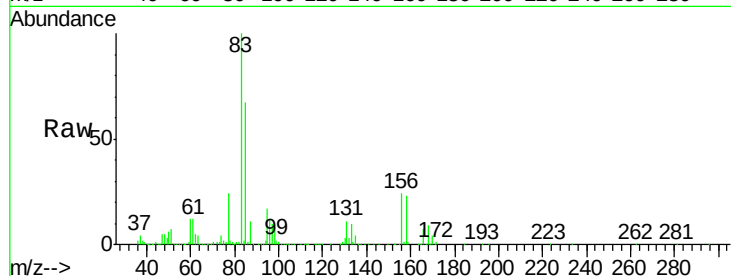
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	129218
Ion Ratio		Lower	Upper
83	100		
131	11.2	5.7	17.0
85	65.6	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.497 ug/l m

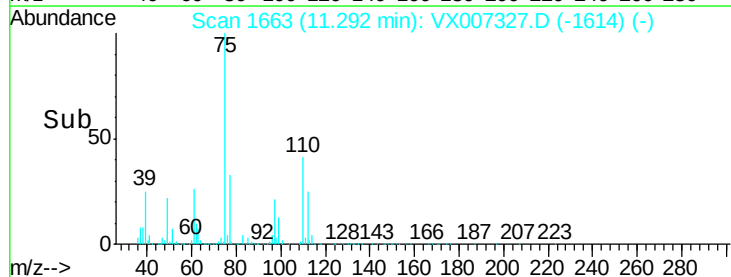
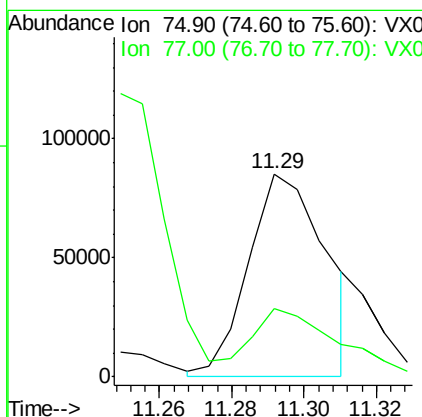
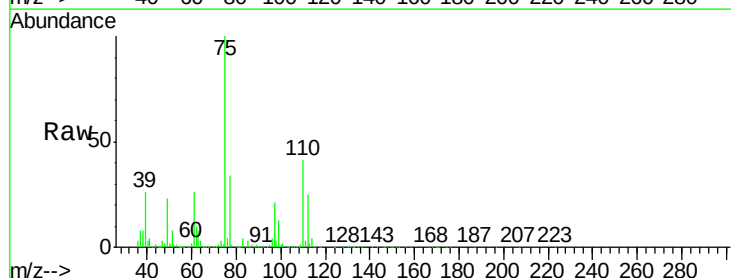
RT: 11.29 min Scan# 1663

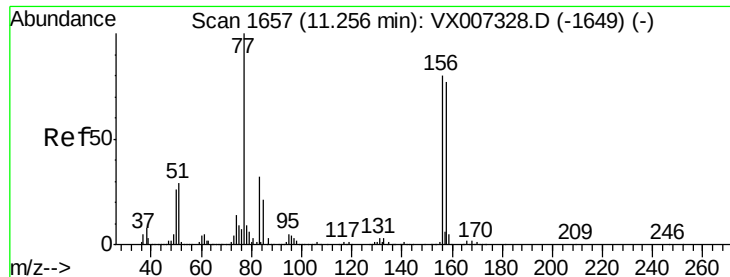
Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Tgt Ion:	75	Resp:	126299
Ion Ratio		Lower	Upper
75	100		
77	38.5	23.0	69.0





#77

Bromobenzene

Concen: 18.705 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

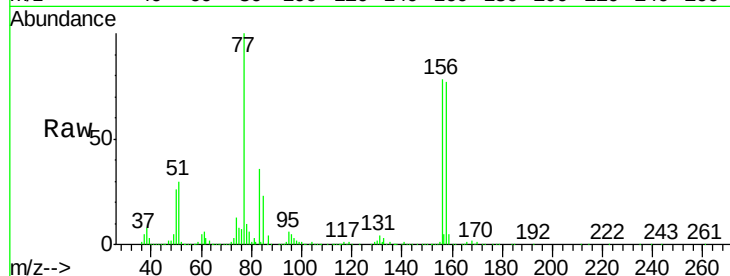
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	120622
Ion Ratio	Lower	Upper	
156	100		
77	132.0	66.8	200.6
158	97.6	47.9	143.8

Manual Integrations
APPROVED

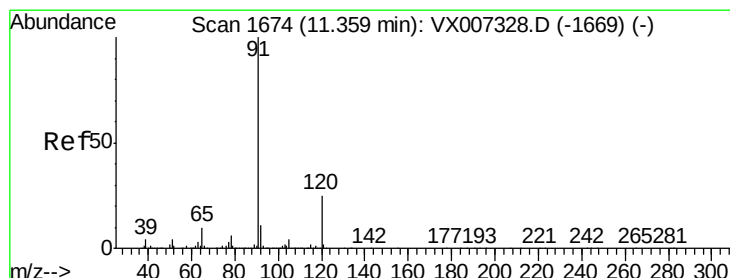
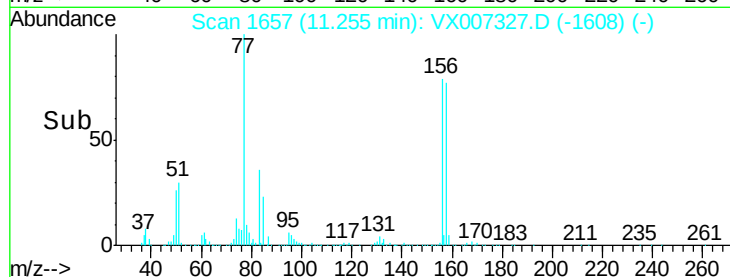
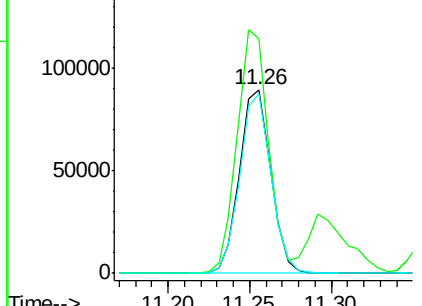
MMDadoda
2/4/2019 9:37:28 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.553 ug/l

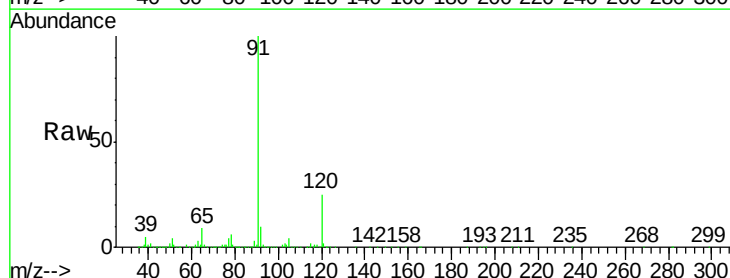
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007327.D

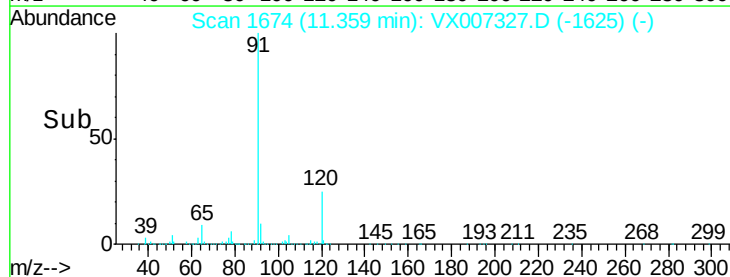
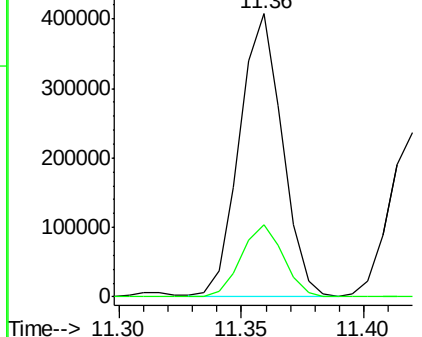
Acq: 01 Feb 2019 10:29

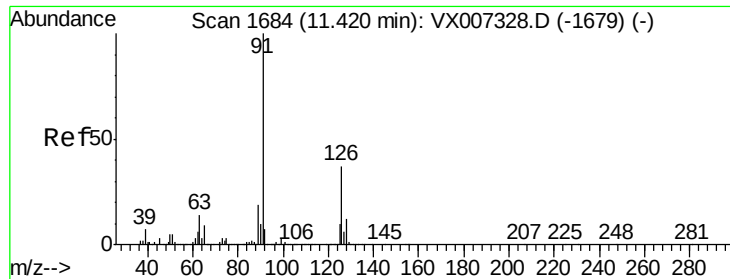
Tgt Ion:	91	Resp:	490737
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





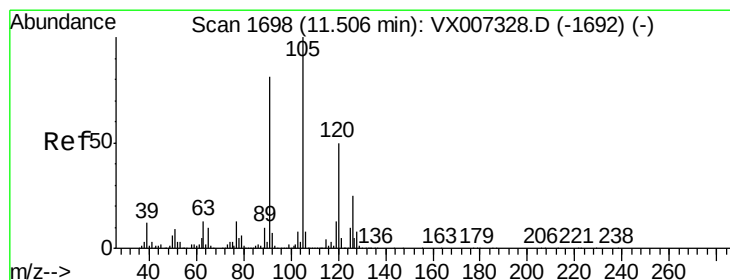
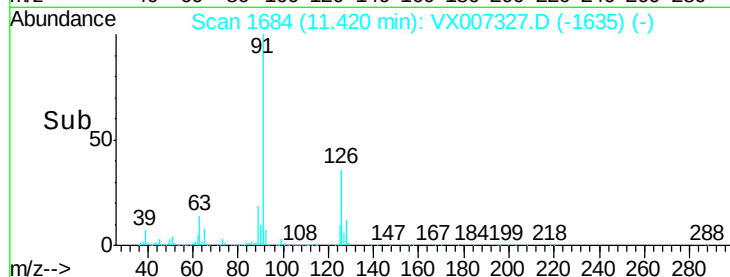
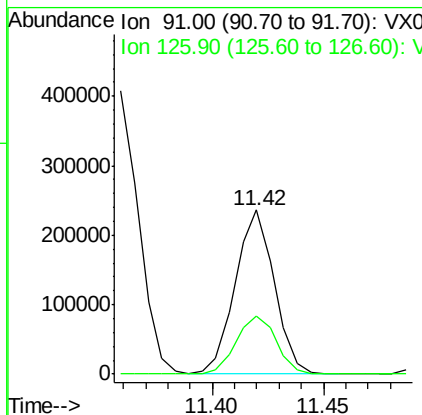
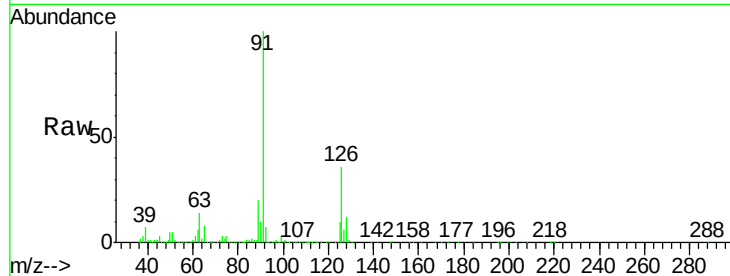
#79
 2-Chlorotoluene
 Concen: 18.875 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 287439
 Ion Ratio Lower Upper
 91 100
 126 37.1 18.7 56.1

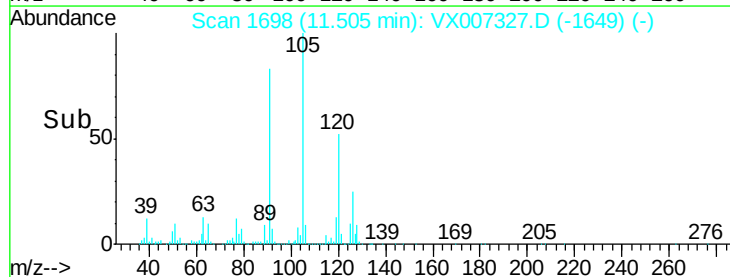
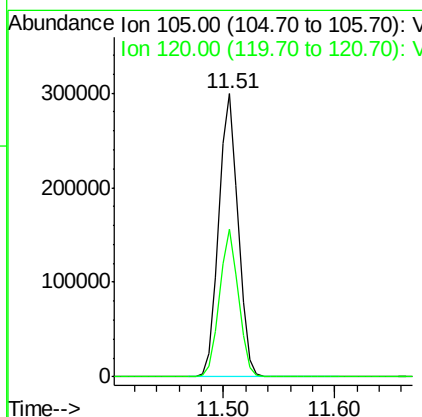
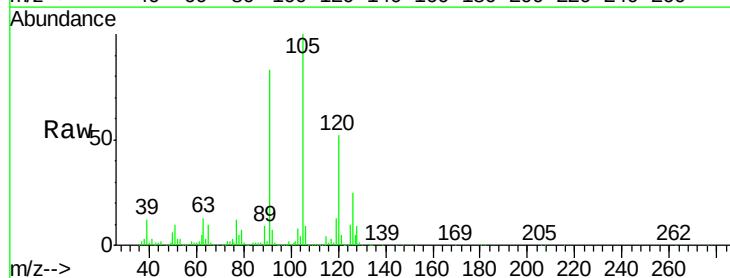
Manual Integrations
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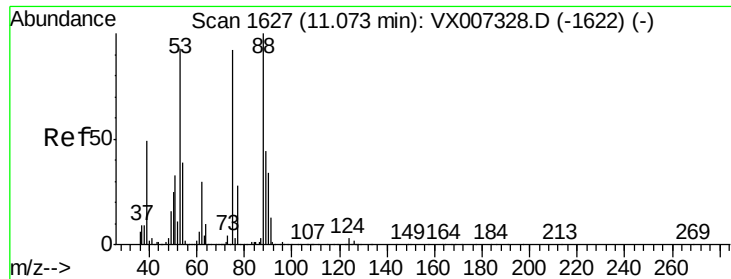
MMDadoda
 2/4/2019 9:37:28 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.227 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Tgt Ion: 105 Resp: 360012
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.3 75.8





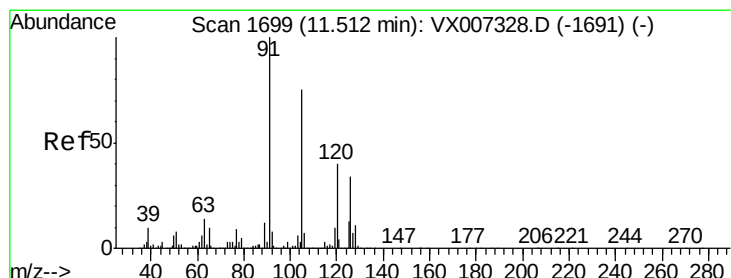
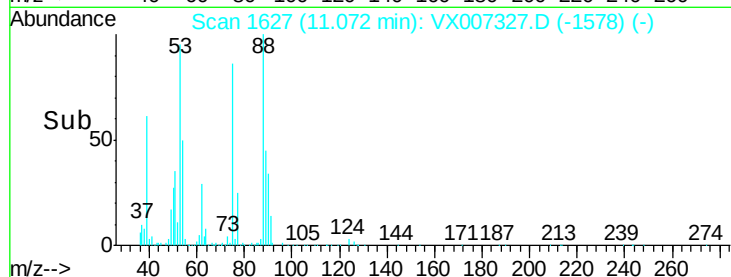
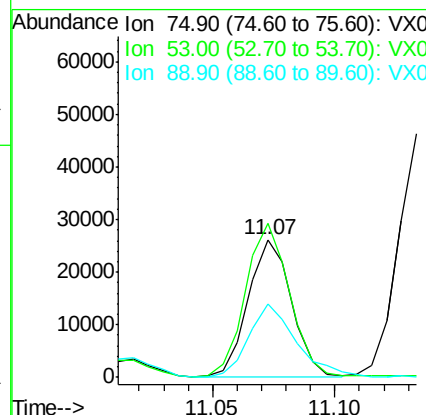
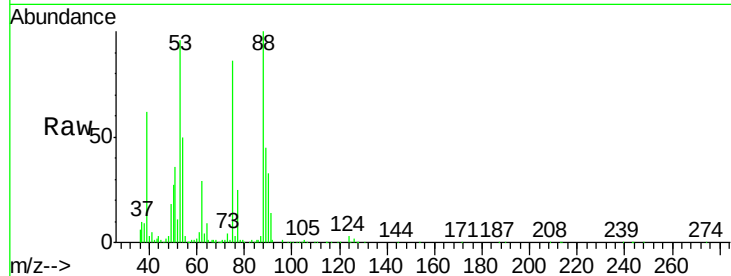
#81
trans-1,4-Dichloro-2-butene
Concen: 17.135 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.8	81.0	121.6
89	57.9	41.4	62.0

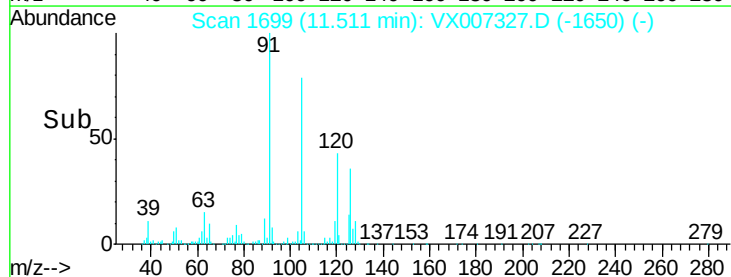
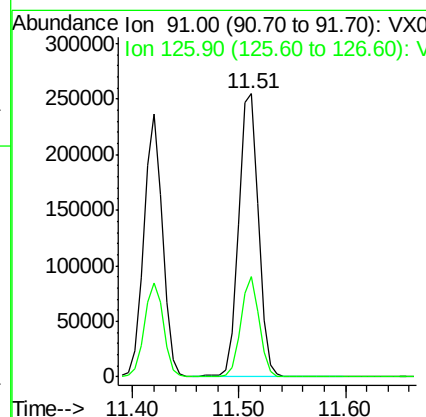
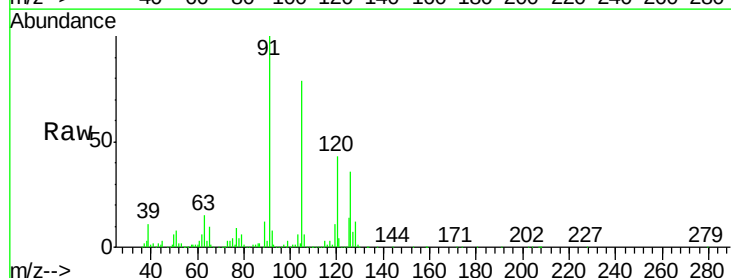
Manual Integrations
APPROVED

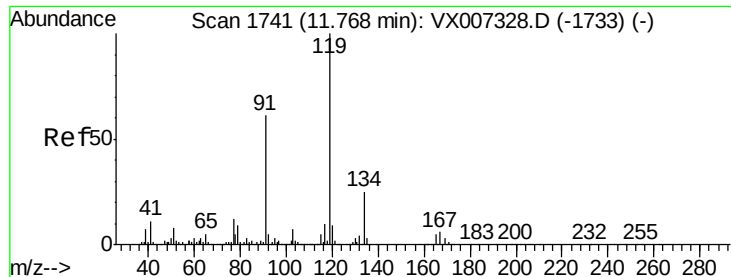
MMDadoda
2/4/2019 9:37:28 AM



#82
4-Chlorotoluene
Concen: 18.901 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5





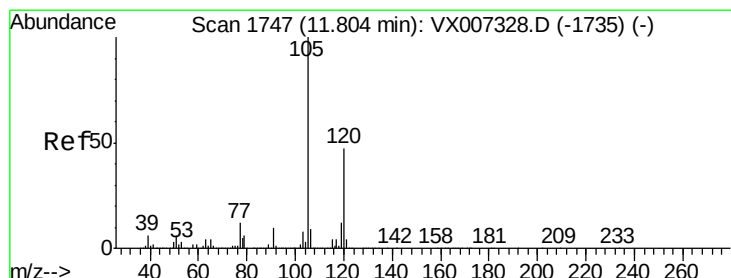
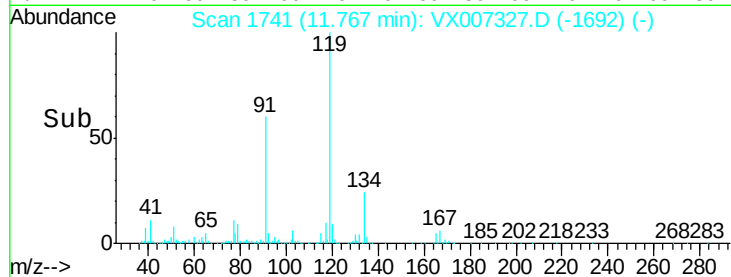
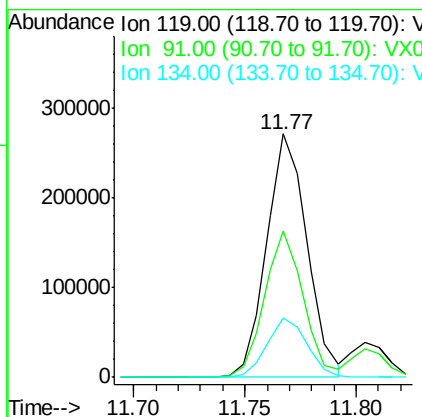
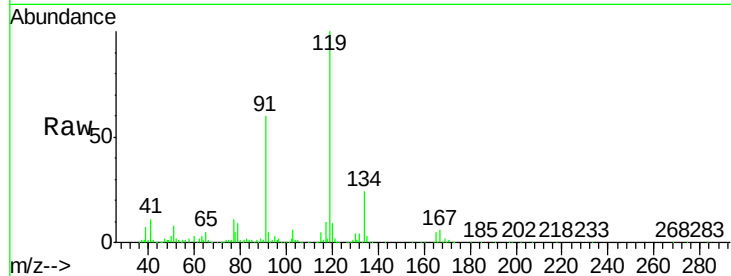
#83
 tert-Butylbenzene
 Concen: 18.491 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion:	119	Resp:	342794
Ion Ratio	Lower	Upper	
119	100		
91	57.5	28.5	85.6
134	24.2	12.0	36.0

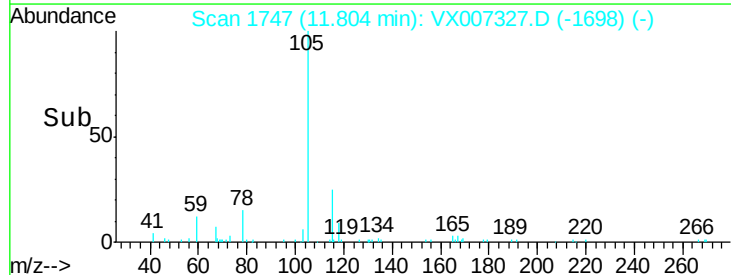
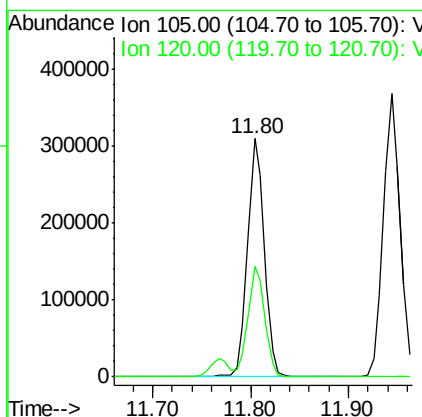
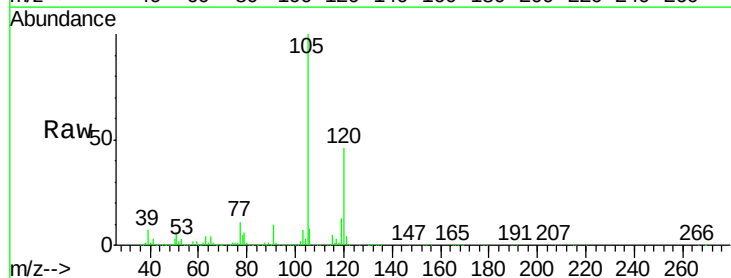
Manual Integrations
 APPROVED

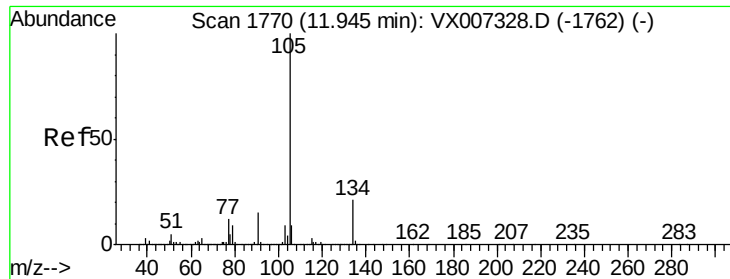
MMDadoda
 2/4/2019 9:37:28 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.531 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Tgt Ion:	105	Resp:	371277
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.1	69.3





#85

sec-Butylbenzene

Concen: 19.576 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 439241

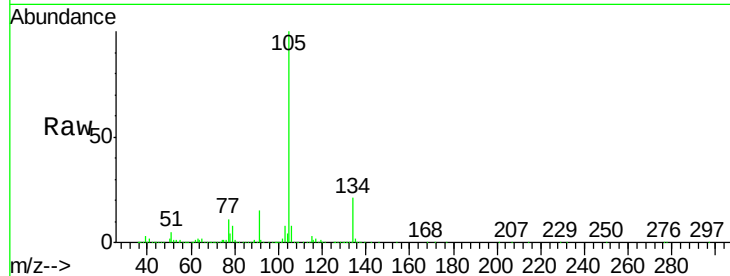
Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8

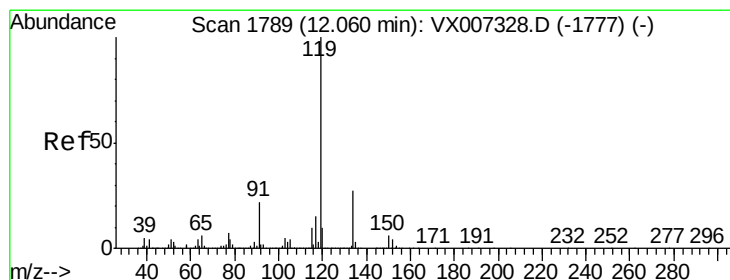
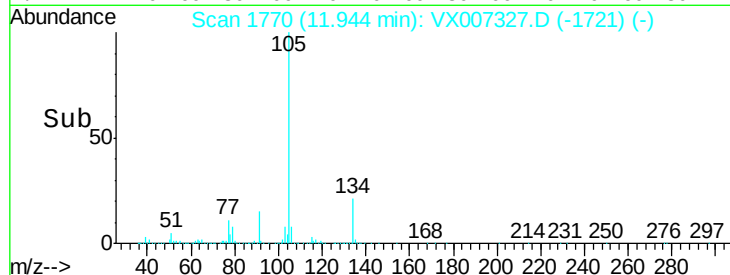
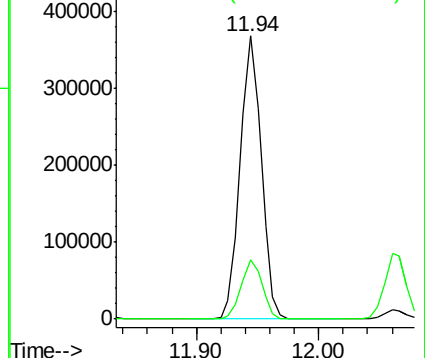
Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.161 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007327.D

Acq: 01 Feb 2019 10:29

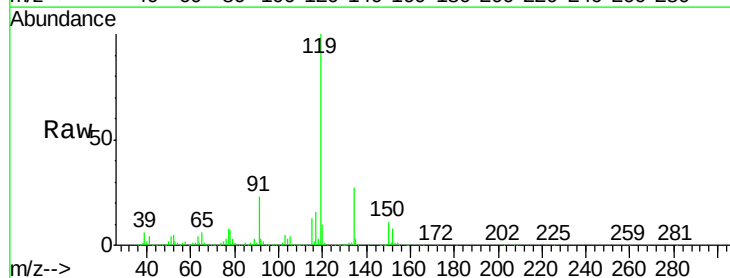
Tgt Ion:119 Resp: 388084

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

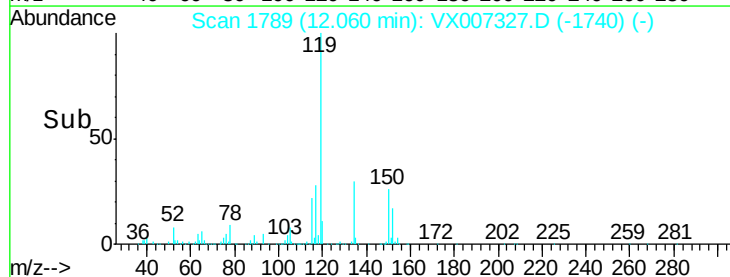
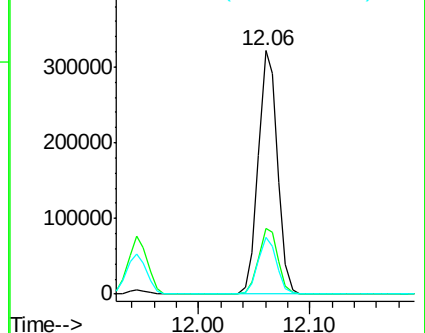
91 22.5 11.2 33.5

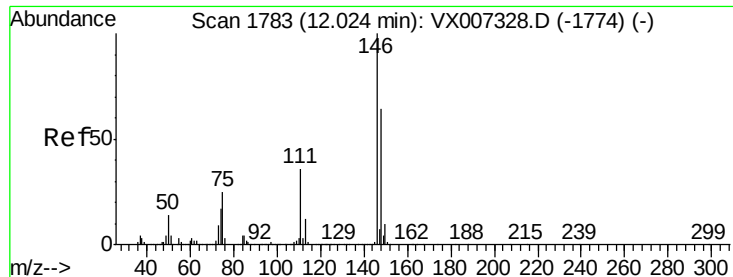


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





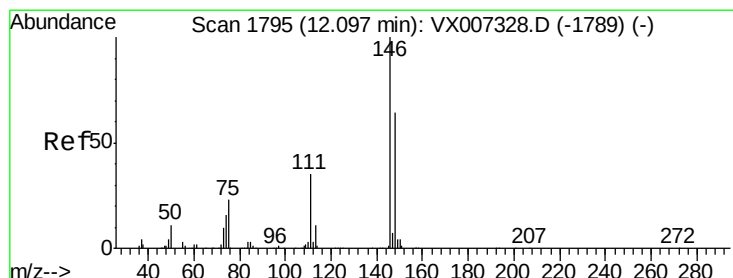
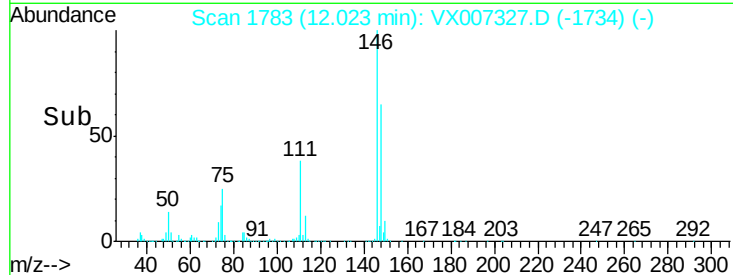
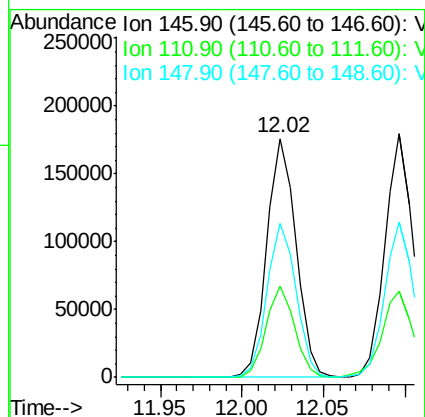
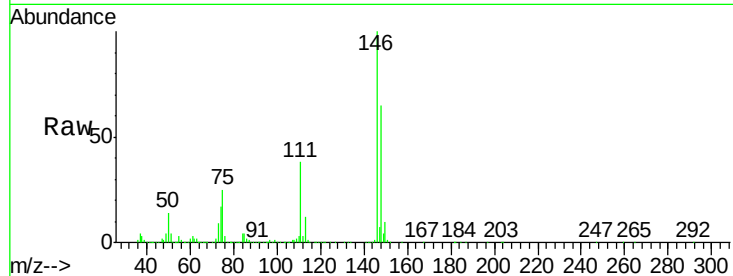
#87
 1,3-Dichlorobenzene
 Concen: 18.829 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	37.1	18.1	54.1
148	64.0	32.0	96.2

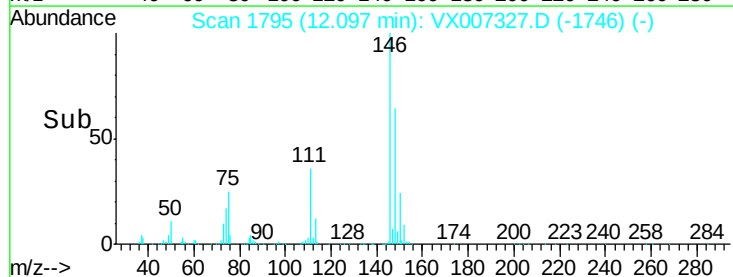
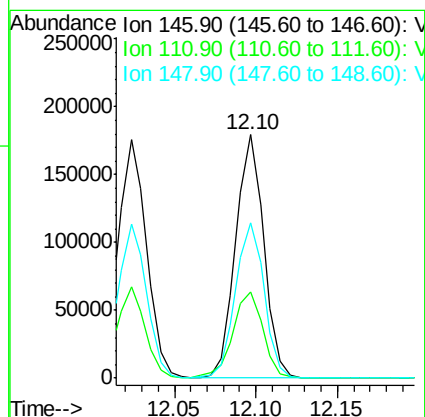
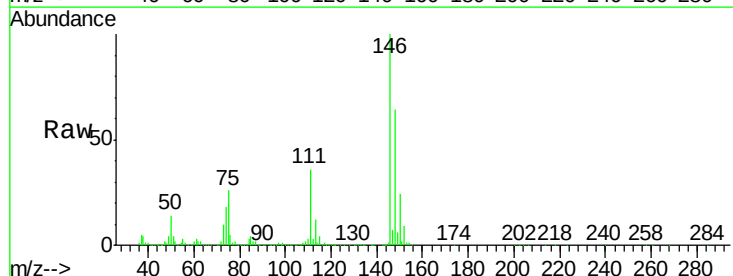
Manual Integrations
 APPROVED

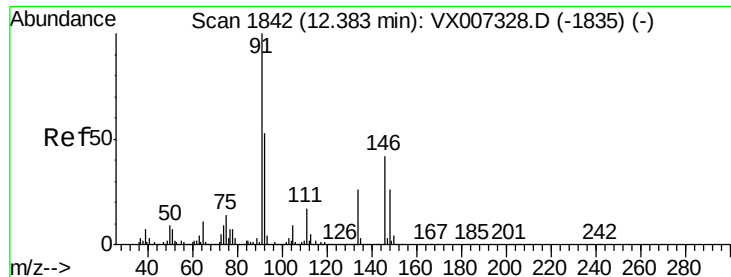
MMDadoda
 2/4/2019 9:37:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.284 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	38.4	18.1	54.1
148	65.4	32.3	96.9





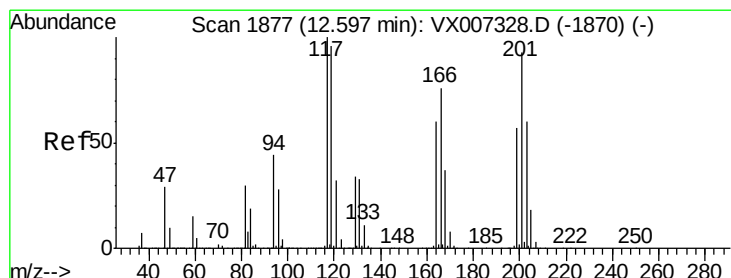
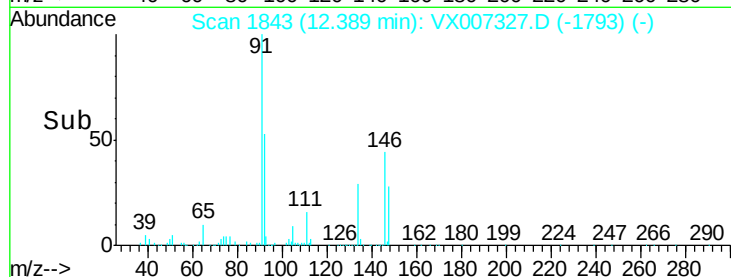
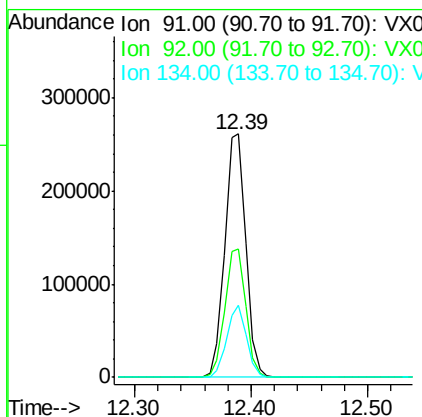
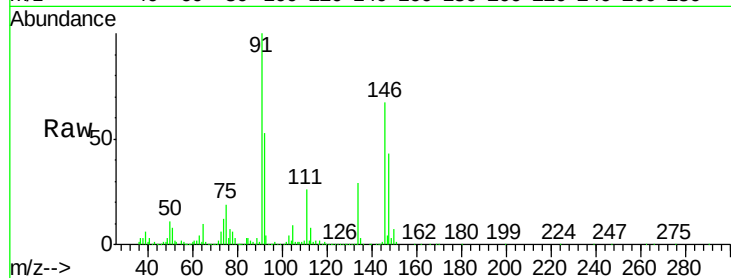
#89
n-Butylbenzene
Concen: 18.588 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	28.0	13.9	41.6

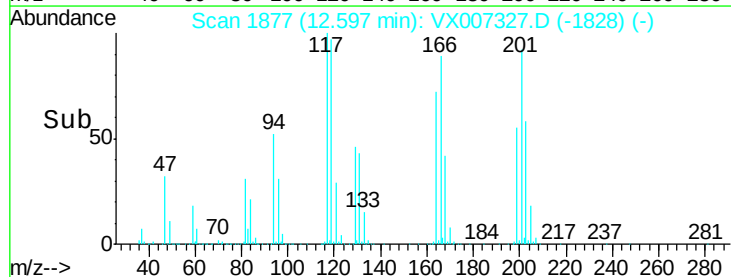
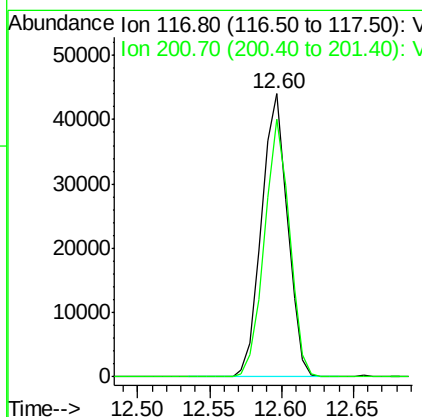
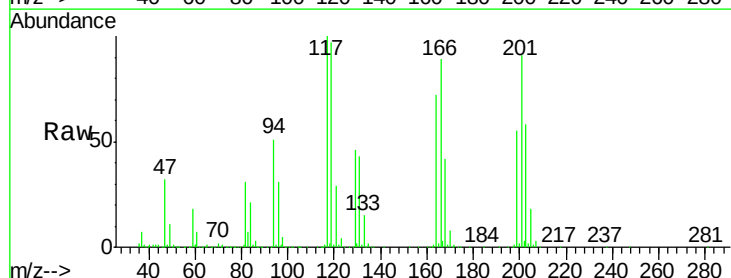
Manual Integrations
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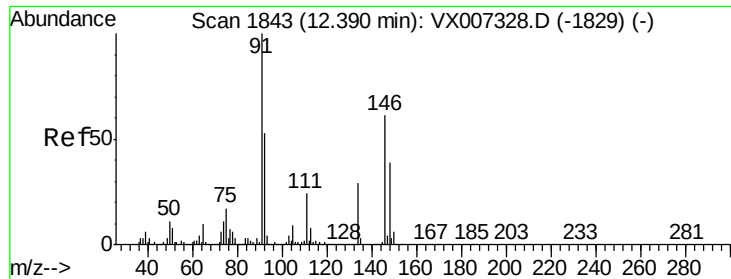
MMDadoda
2/4/2019 9:37:28 AM



#90
Hexachloroethane
Concen: 18.054 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	44.9	134.7





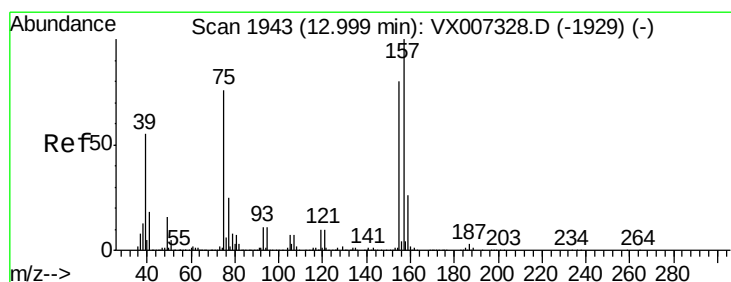
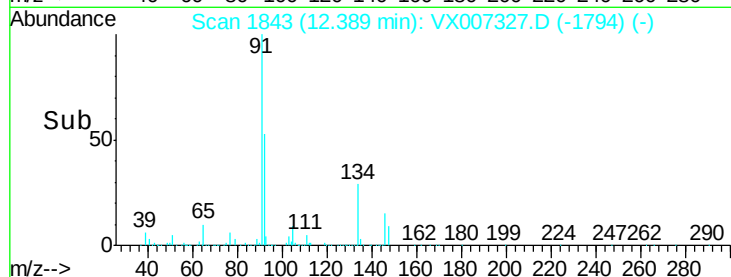
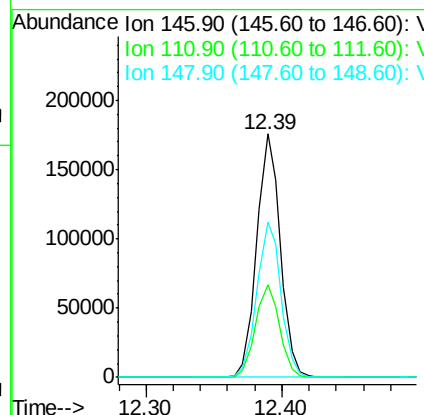
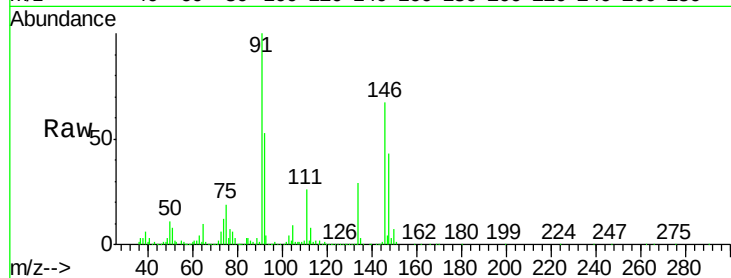
#91
 1,2-Dichlorobenzene
 Concen: 18.723 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.3
148	65.1	32.1	96.3

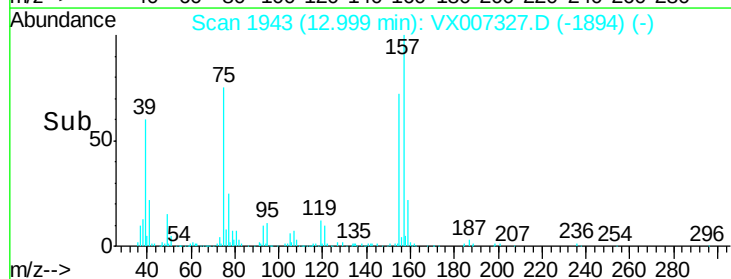
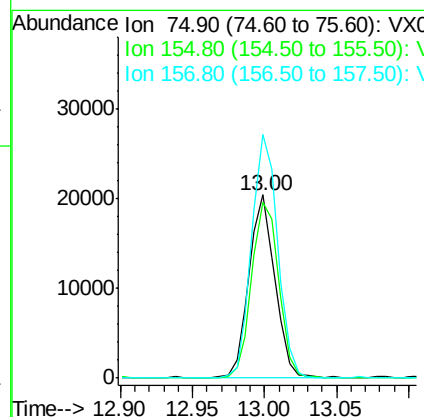
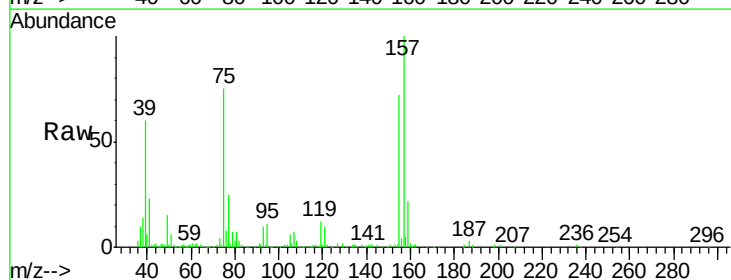
Manual Integrations
 APPROVED

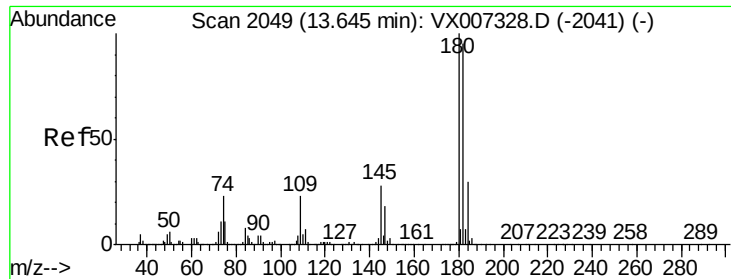
MMDadoda
 2/4/2019 9:37:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.658 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	49.6	149.0
157	132.4	65.1	195.3





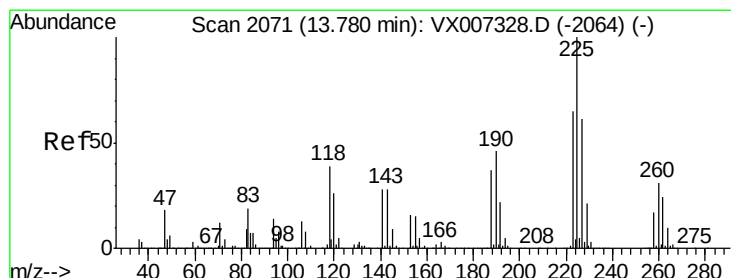
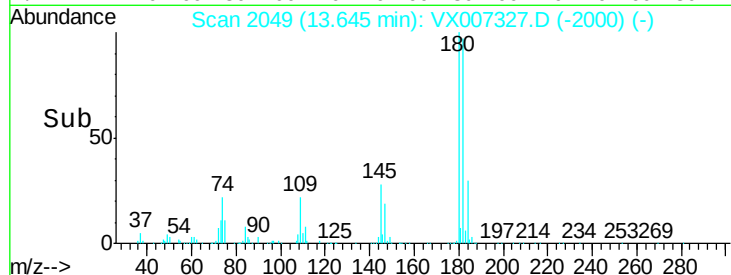
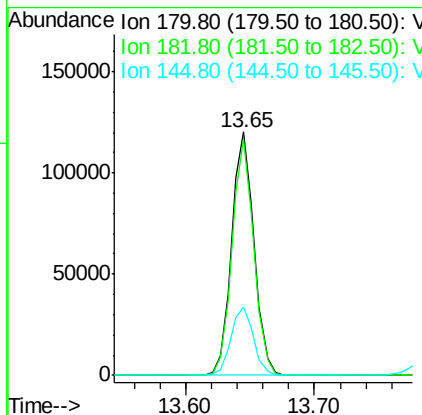
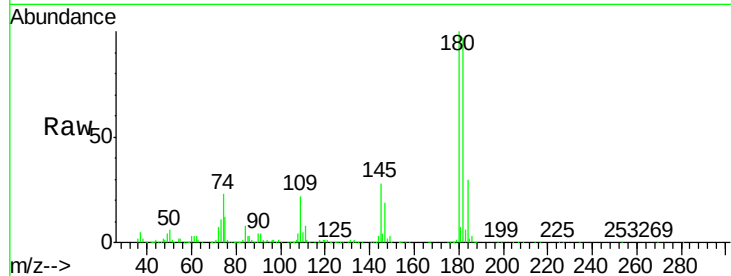
#93
 1,2,4-Trichlorobenzene
 Concen: 18.783 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145891		
182	94.6	47.8	143.3	
145	28.5	14.1	42.2	

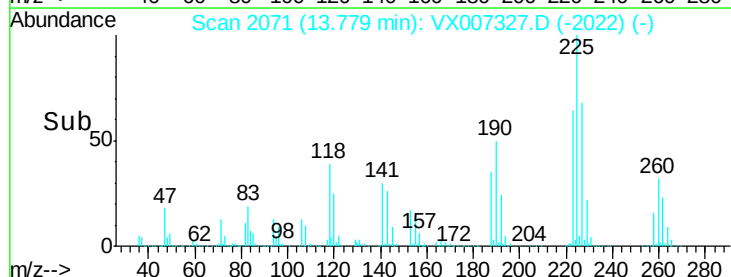
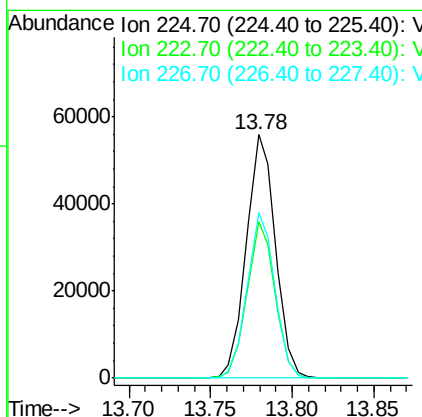
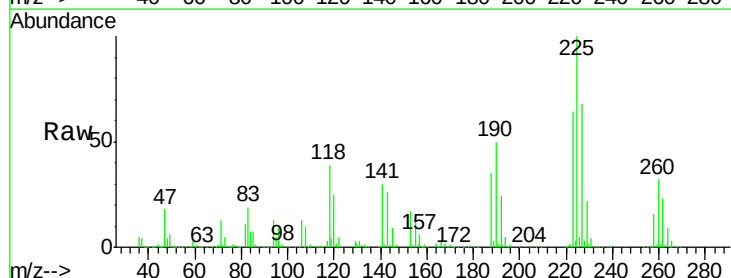
Manual Integrations
 APPROVED

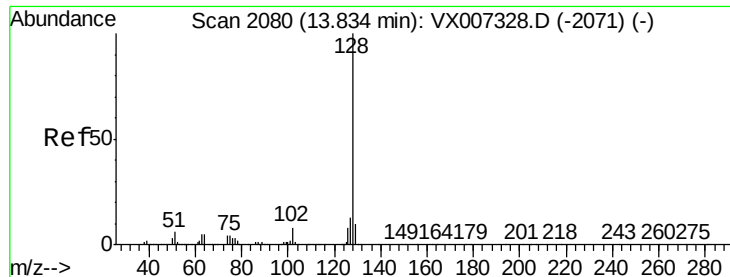
MMDadoda
 2/4/2019 9:37:28 AM



#94
 Hexachlorobutadiene
 Concen: 18.487 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007327.D
 Acq: 01 Feb 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69724		
223	61.7	31.6	94.8	
227	65.0	32.1	96.3	





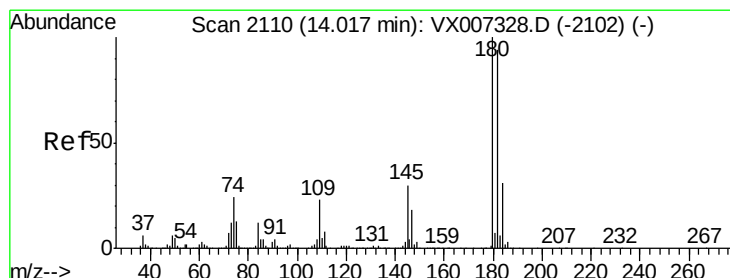
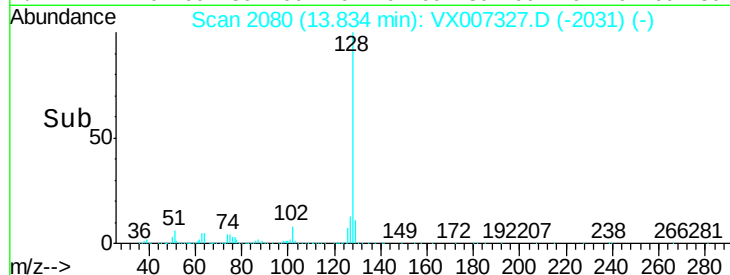
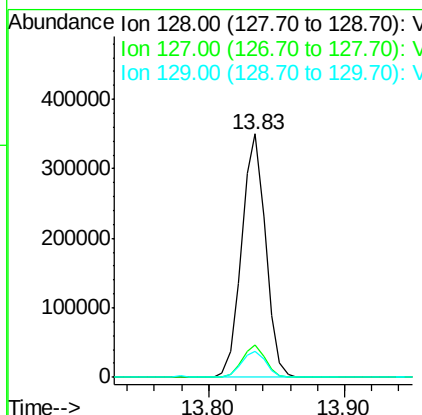
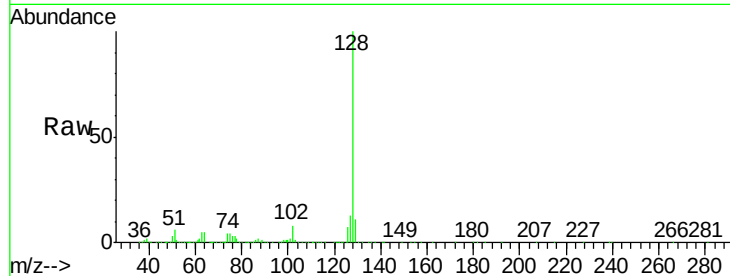
#95
Naphthalene
Concen: 18.825 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	427591
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.651 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007327.D
Acq: 01 Feb 2019 10:29

Tgt Ion:	180	Resp:	145822
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.5	142.6
145	29.8	14.9	44.5

