

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020519\
 Data File : VX007368.D
 Acq On : 05 Feb 2019 11:25
 Operator : JC/SP
 Sample : VX0205WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 9:29:42 AM

Quant Time: Feb 06 00:38:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	483061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	716826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	660364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	333170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	248109	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	5.51	113	222882	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	8.71	98	836854	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.13	95	294992	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	120474	20.401	ug/l	97
3) Chloromethane	1.33	50	107243	19.710	ug/l	98
4) Vinyl Chloride	1.41	62	111957	20.974	ug/l	98
5) Bromomethane	1.64	94	110200	20.591	ug/l	95
6) Chloroethane	1.72	64	70779	20.498	ug/l	98
7) Trichlorofluoromethane	1.93	101	171101	20.491	ug/l	97
8) Diethyl Ether	2.20	74	61593	19.598	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	97583	19.647	ug/l	98
10) Methyl Iodide	2.51	142	143673	19.663	ug/l	99
11) Tert butyl alcohol	3.07	59	116746	110.024	ug/l	100
12) 1,1-Dichloroethene	2.38	96	90138	19.543	ug/l	98
13) Acrolein	2.30	56	54559	109.649	ug/l	97
14) Allyl chloride	2.73	41	155613	20.707	ug/l	99
15) Acrylonitrile	3.15	53	273867	104.333	ug/l	99
16) Acetone	2.45	43	244410	104.063	ug/l	100
17) Carbon Disulfide	2.57	76	222976	19.825	ug/l	100
18) Methyl Acetate	2.78	43	141024	23.365	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	301032	20.146	ug/l	97
20) Methylene Chloride	2.86	84	100677	20.756	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	94967	19.329	ug/l	98
22) Diisopropyl ether	3.87	45	280239	20.273	ug/l	98
23) Vinyl Acetate	3.82	43	1178195	102.710	ug/l	100
24) 1,1-Dichloroethane	3.70	63	157812	19.879	ug/l	99
25) 2-Butanone	4.70	43	351651	105.207	ug/l	99
26) 2,2-Dichloropropane	4.59	77	117205	19.387	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	102859	19.167	ug/l	100
28) Bromochloromethane	5.02	49	72025	19.729	ug/l	96
29) Tetrahydrofuran	5.15	42	228513	108.703	ug/l	99
30) Chloroform	5.22	83	165325	19.958	ug/l	99
31) Cyclohexane	5.57	56	137094	19.228	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	142484	20.377	ug/l	99
36) 1,1-Dichloropropene	5.80	75	118961	18.496	ug/l	99
37) Ethyl Acetate	4.85	43	129696	19.948	ug/l	99
38) Carbon Tetrachloride	5.79	117	121167	19.419	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	151213	19.432	ug/l	100
40) Benzene	6.15	78	373342	19.706	ug/l	97
41) Methacrylonitrile	5.06	41	72877	20.914	ug/l	99
42) 1,2-Dichloroethane	6.20	62	125416	19.133	ug/l	99
43) Isopropyl Acetate	6.46	43	200737	20.003	ug/l	100
44) Trichloroethene	7.21	130	108399	18.997	ug/l	95
45) 1,2-Dichloropropane	7.52	63	91057	19.182	ug/l	91
46) Dibromomethane	7.66	93	66496	19.274	ug/l	98
47) Bromodichloromethane	7.90	83	114590	19.598	ug/l	98
48) Methyl methacrylate	7.77	41	104699	20.858	ug/l	99
49) 1,4-Dioxane	7.75	88	49716	439.395	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	679240	102.817	ug/l	100
52) Toluene	8.79	92	238679	19.526	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	122442	19.495	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	139323	20.172	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	101237	19.869	ug/l	98
56) Ethyl methacrylate	9.18	69	139306	19.740	ug/l	98
57) 1,3-Dichloropropane	9.37	76	160881	19.854	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	379682	102.075	ug/l	99
59) 2-Hexanone	9.49	43	519298	101.015	ug/l	100
60) Dibromochloromethane	9.59	129	98560	20.453	ug/l	99
61) 1,2-Dibromoethane	9.67	107	106972	19.824	ug/l	97
64) Tetrachloroethene	9.34	164	117488	18.876	ug/l	97
65) Chlorobenzene	10.14	112	274046	19.017	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	95877	19.845	ug/l	98
67) Ethyl Benzene	10.25	91	451113	19.439	ug/l	97
68) m/p-Xylenes	10.36	106	354363	38.414	ug/l	99
69) o-Xylene	10.70	106	174501	19.659	ug/l	99
70) Styrene	10.71	104	272021	18.896	ug/l	99
71) Bromoform	10.86	173	71233	19.485	ug/l	99
73) Isopropylbenzene	11.02	105	457823	20.221	ug/l	98
74) N-amyl acetate	10.90	43	175577	20.050	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	143330	20.773	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	135805m	20.956	ug/l	
77) Bromobenzene	11.26	156	125039	19.601	ug/l	98
78) n-propylbenzene	11.36	91	509506	20.522	ug/l	99
79) 2-Chlorotoluene	11.42	91	300480	19.946	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	376638	20.334	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36276	20.067	ug/l	94
82) 4-Chlorotoluene	11.51	91	347891	19.958	ug/l	99
83) tert-Butylbenzene	11.77	119	365452	19.928	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	387848	20.625	ug/l	99
85) sec-Butylbenzene	11.94	105	454768	20.489	ug/l	100
86) p-Isopropyltoluene	12.06	119	402656	20.097	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	220638	19.272	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	218201	18.786	ug/l	98
89) n-Butylbenzene	12.38	91	331652	19.242	ug/l	100
90) Hexachloroethane	12.60	117	60572	20.200	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	219804	19.292	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28982	20.201	ug/l	98

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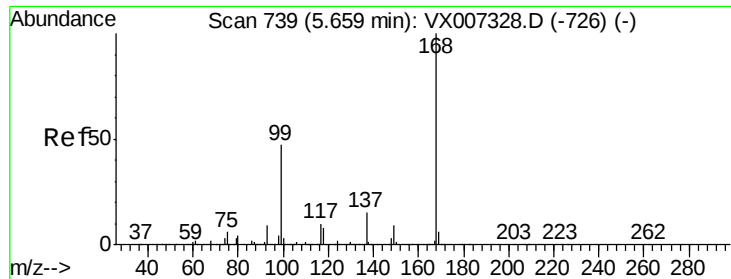
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	146306	19.041	ug/l	99
94) Hexachlorobutadiene	13.78	225	70788	18.973	ug/l	98
95) Naphthalene	13.83	128	452214	20.126	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	147965	19.131	ug/l	100

(#) = 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: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion:168 Resp: 483061

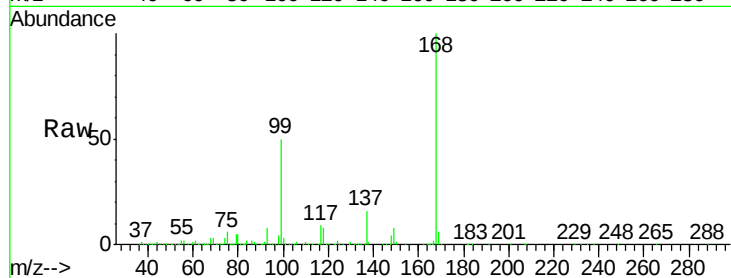
Ion Ratio Lower Upper

168 100

99 49.9 37.9 56.9

Manual Integrations
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2/6/2019 9:29:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

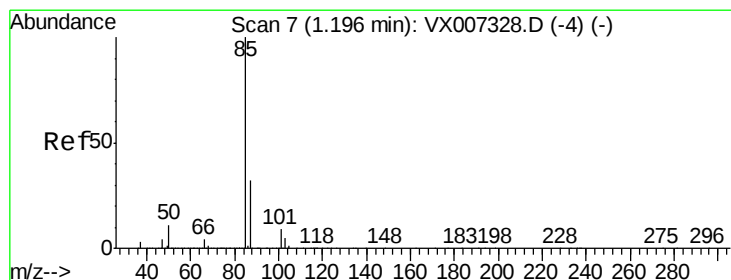
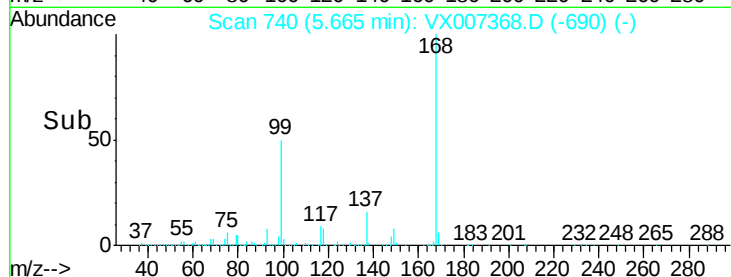
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.401 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007368.D

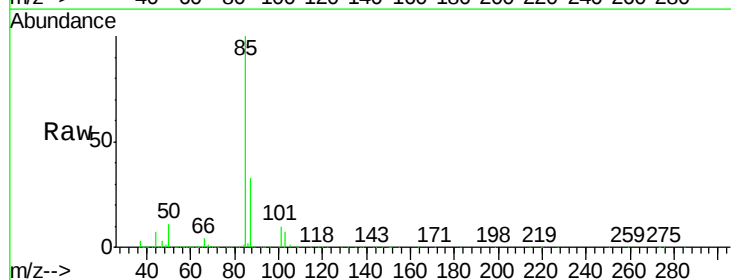
Acq: 05 Feb 2019 11:25

Tgt Ion: 85 Resp: 120474

Ion Ratio Lower Upper

85 100

87 33.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

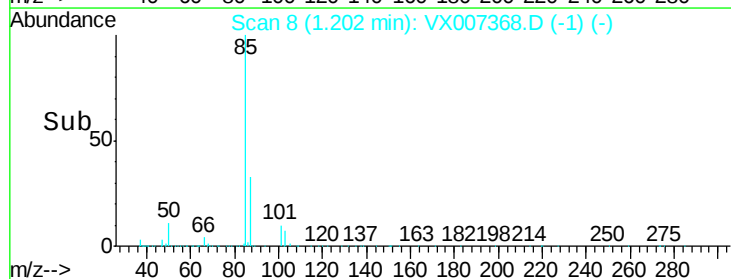
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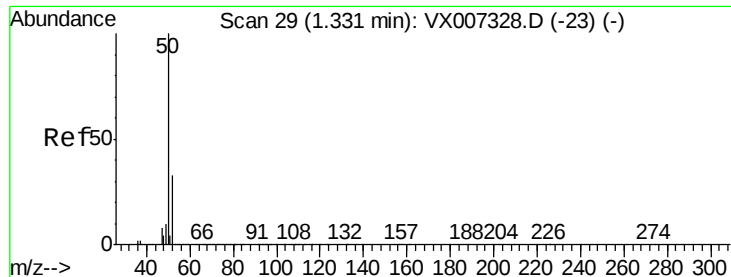
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.710 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion: 50 Resp: 107243

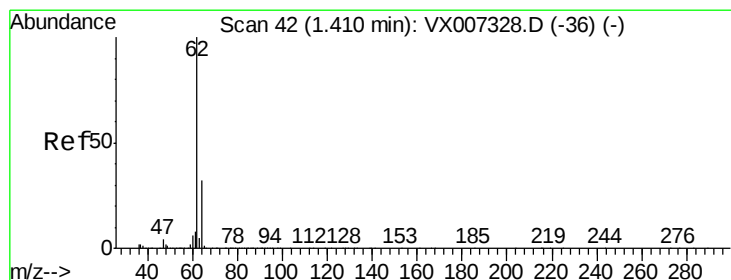
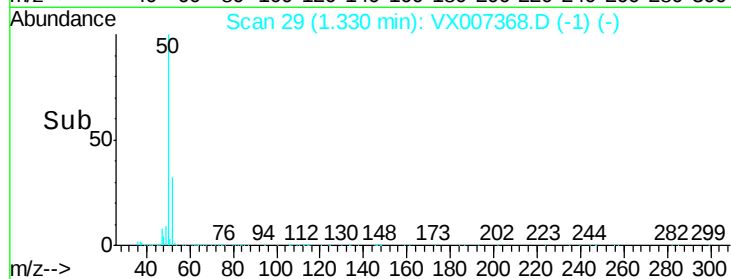
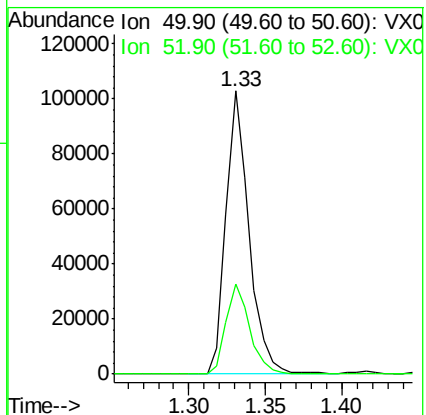
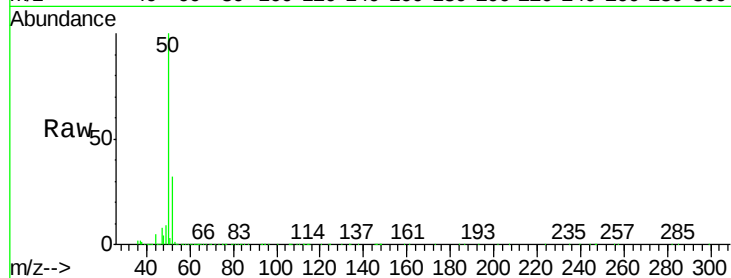
Ion Ratio Lower Upper

50 100

52 31.6 26.1 39.1

Manual Integrations
APPROVED

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2/6/2019 9:29:42 AM



#4

Vinyl Chloride

Concen: 20.974 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007368.D

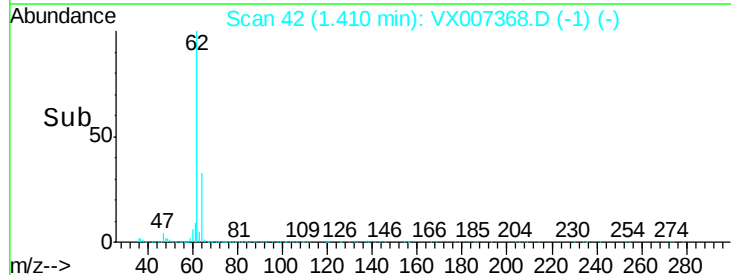
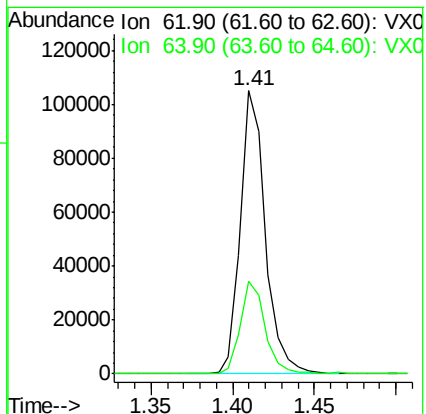
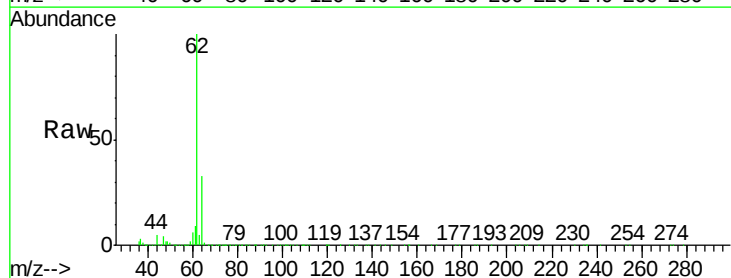
Acq: 05 Feb 2019 11:25

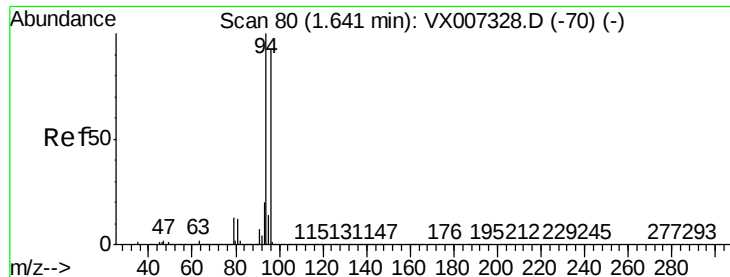
Tgt Ion: 62 Resp: 111957

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.0





#5

Bromomethane

Concen: 20.591 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0205WBS01

Tot Ion: 94 Resp: 110200

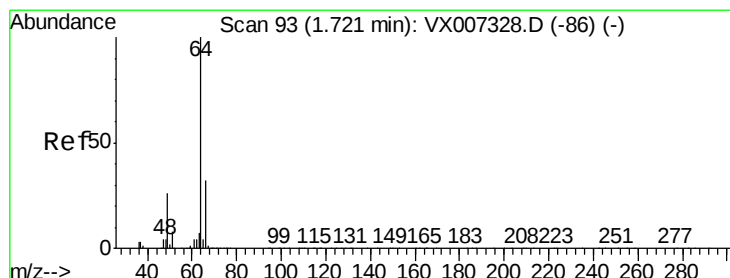
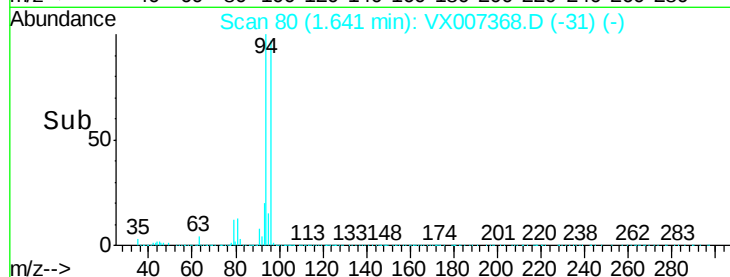
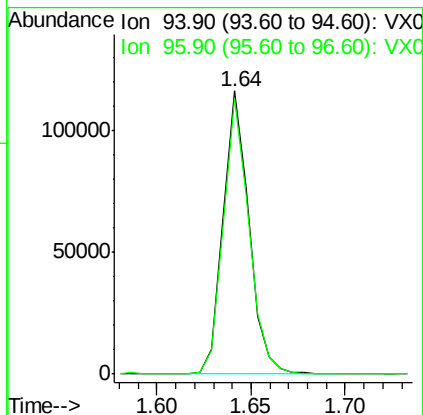
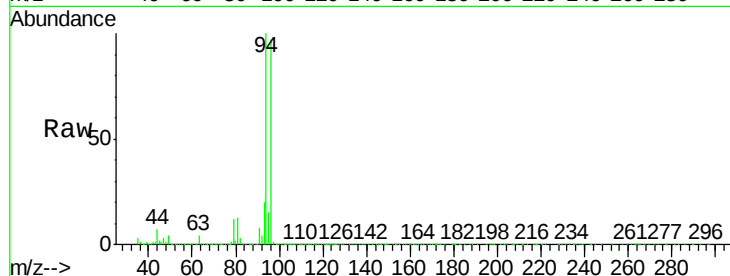
Ion Ratio Lower Upper

94 100

96 97.4 73.9 110.9

Manual Integrations
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2/6/2019 9:29:42 AM



#6

Chloroethane

Concen: 20.498 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007368.D

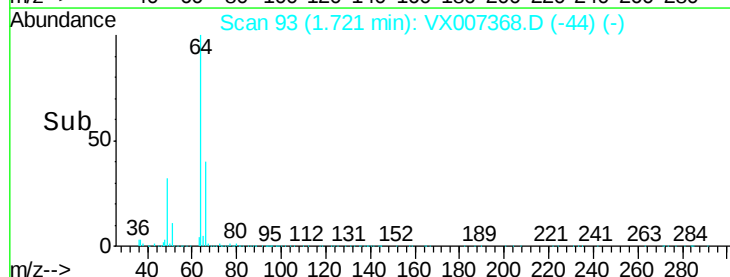
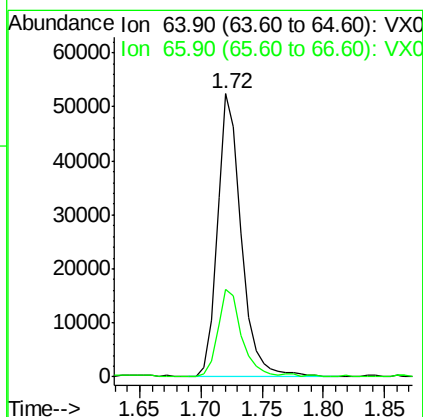
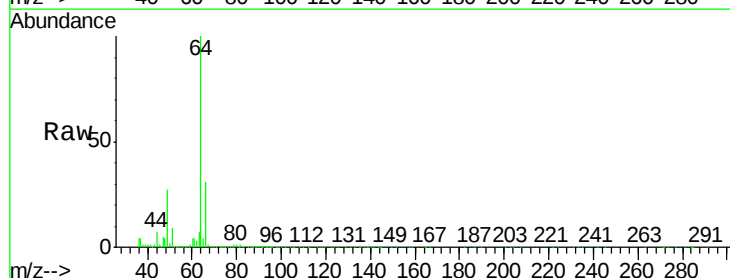
Acq: 05 Feb 2019 11:25

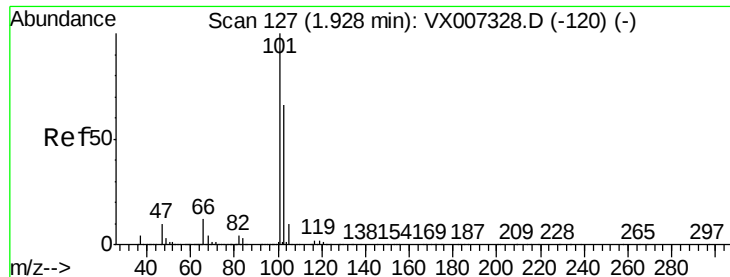
Tgt Ion: 64 Resp: 70779

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3





#7

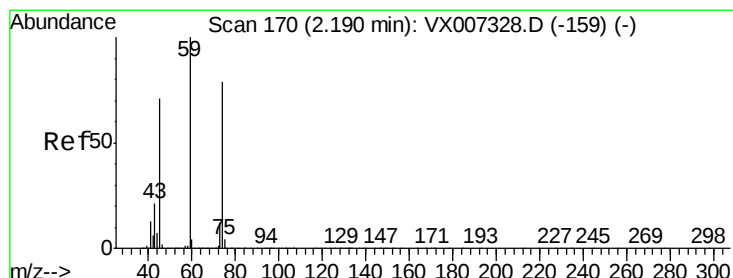
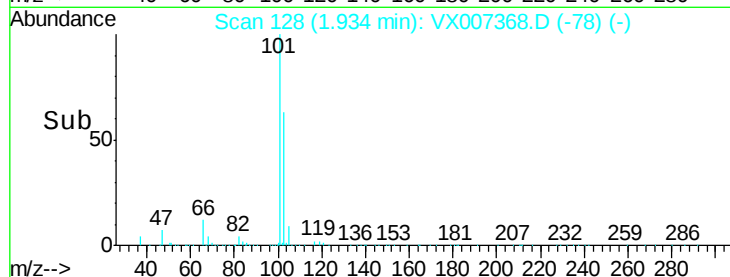
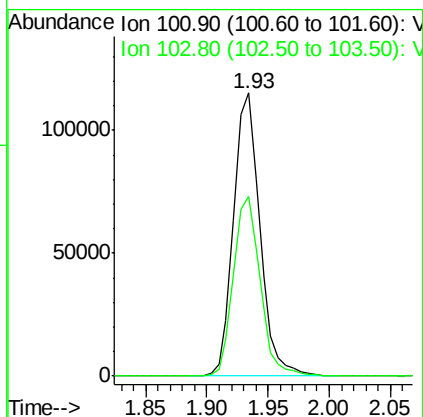
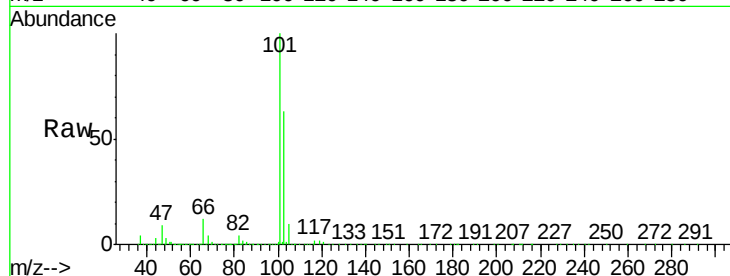
Trichlorofluoromethane
Concen: 20.491 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampled :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.6	79.0

Manual Integrations
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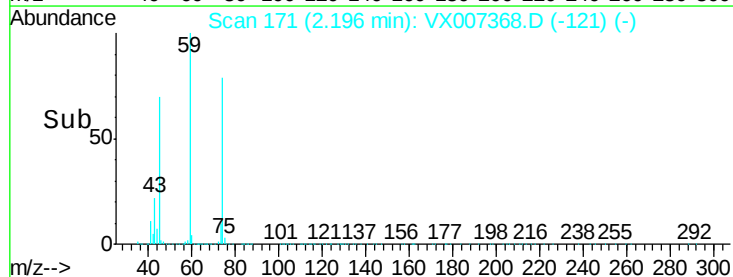
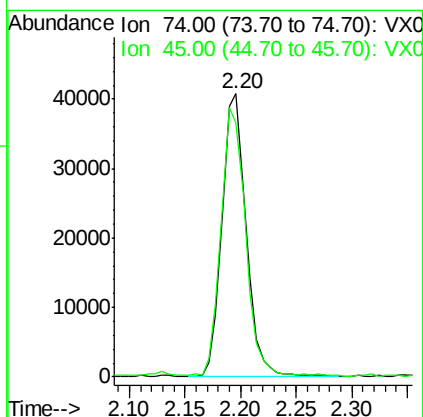
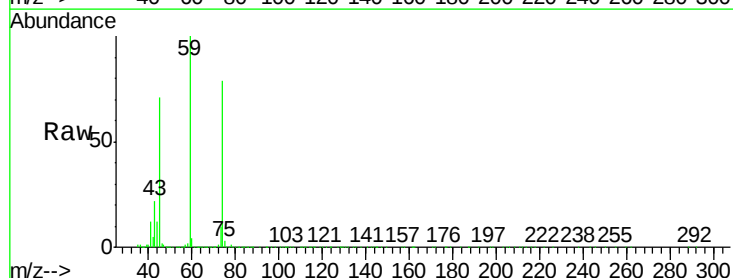
MMDadoda
2/6/2019 9:29:42 AM

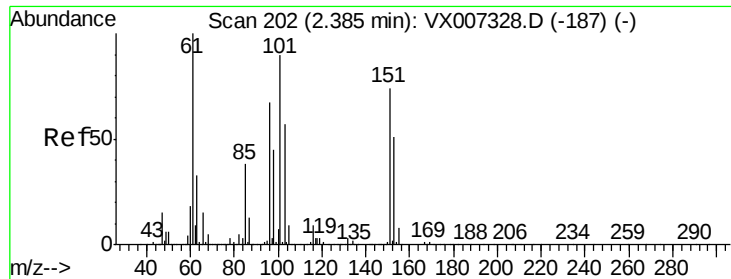


#8

Diethyl Ether
Concen: 19.598 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.647 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

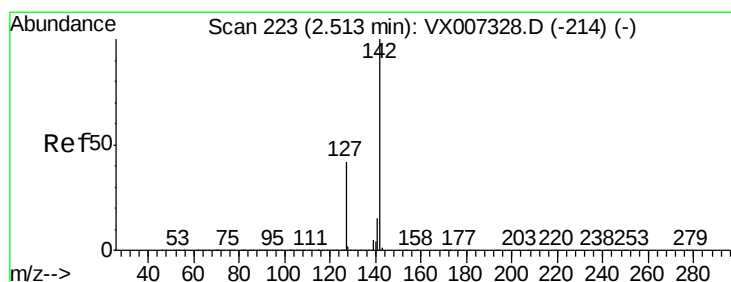
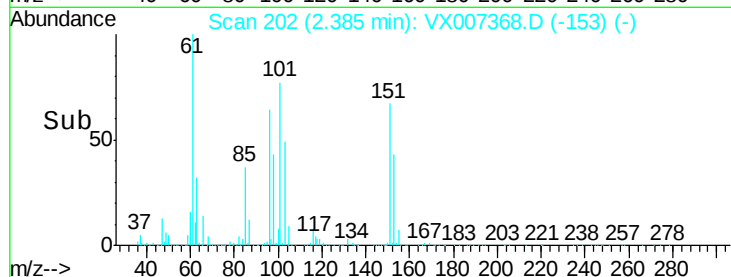
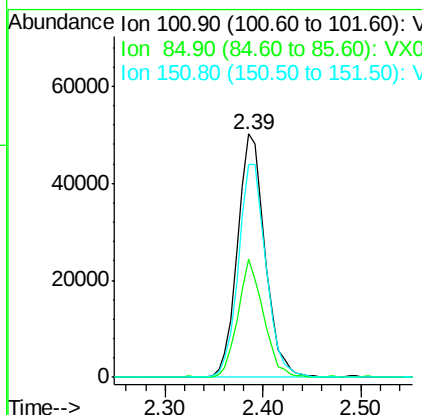
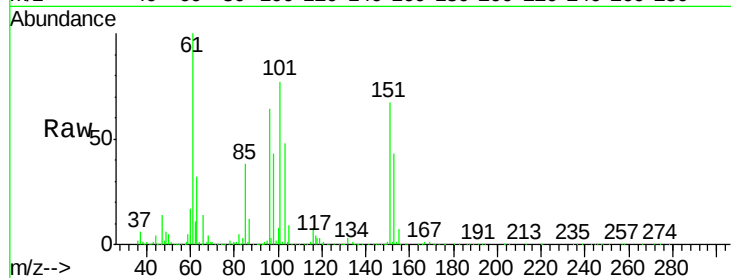
ClientSampleId :

VX0205WBS01

Tot Ion:	101	Resp:	97583
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.1	51.1
151	88.6	69.9	104.9

Manual Integrations
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2/6/2019 9:29:42 AM



#10

Methyl Iodide

Concen: 19.663 ug/l

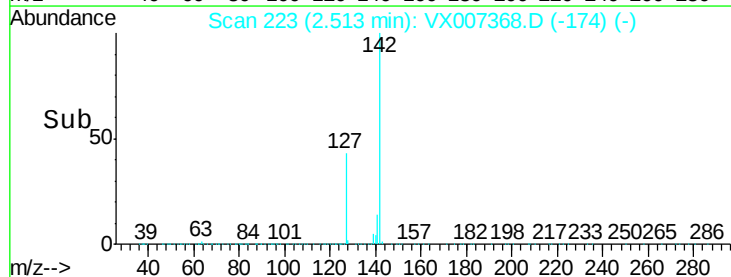
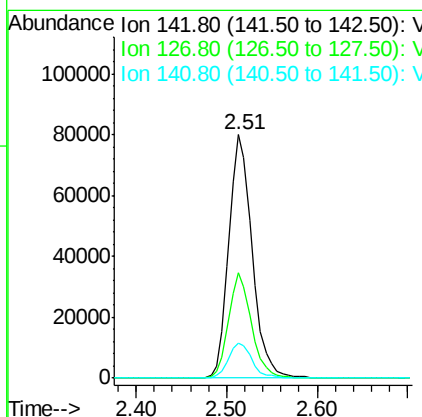
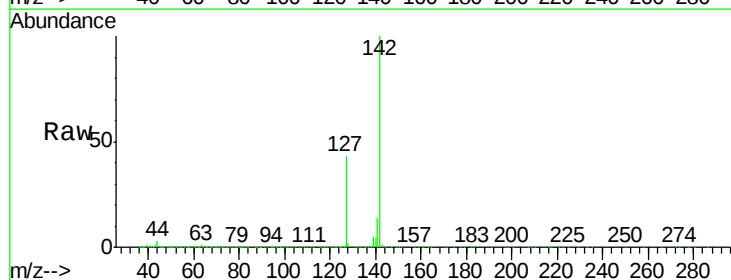
RT: 2.51 min Scan# 223

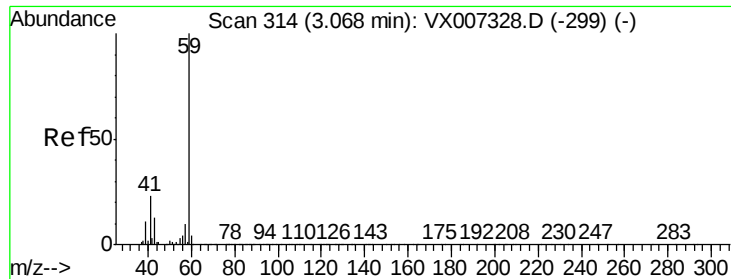
Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion:	142	Resp:	143673
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.7	50.5
141	14.7	11.3	16.9





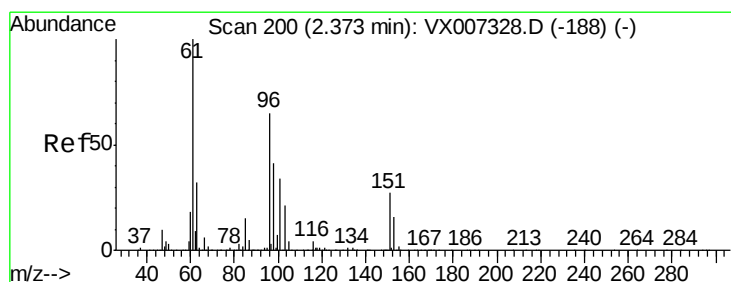
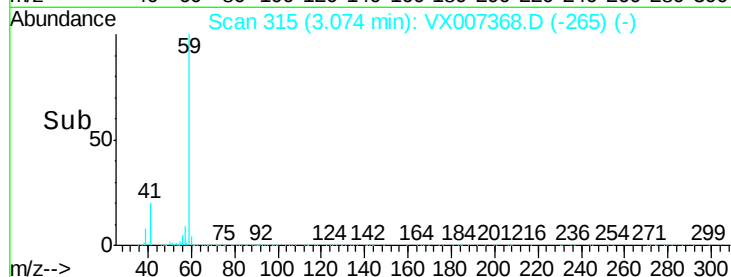
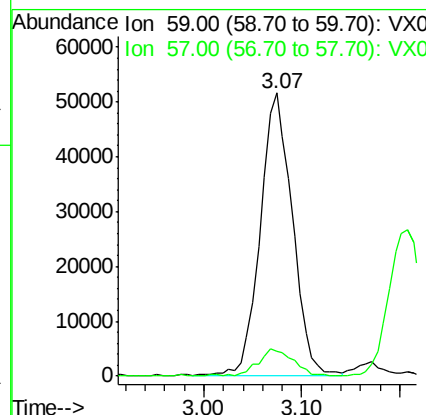
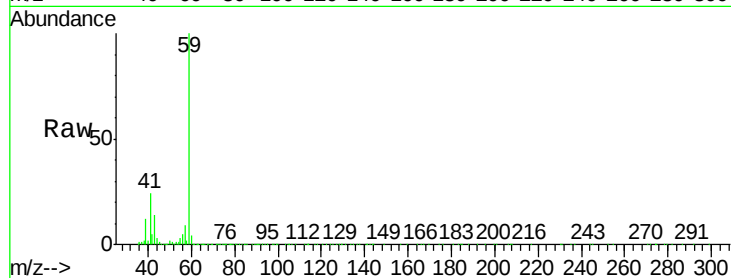
#11
Tert butyl alcohol
Concen: 110.024 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

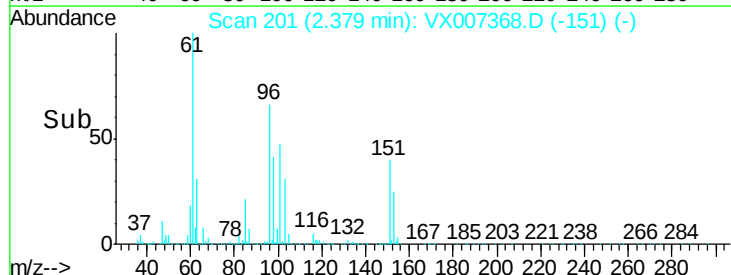
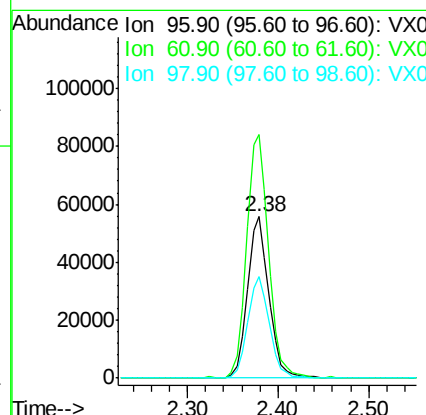
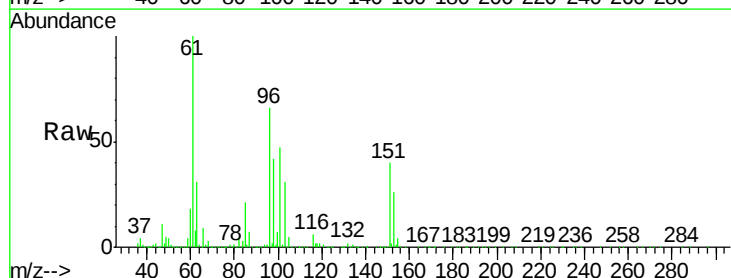
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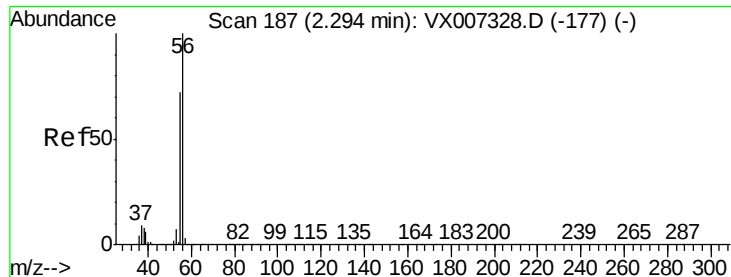
MMDadoda
2/6/2019 9:29:42 AM



#12
1,1-Dichloroethene
Concen: 19.543 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	123.0	184.4
98	62.5	50.9	76.3





#13

Acrolein

Concen: 109.649 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion: 56 Resp: 54559

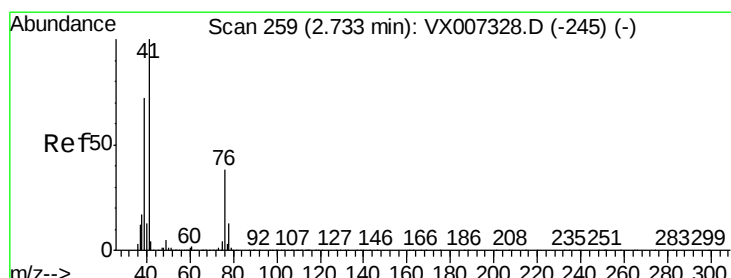
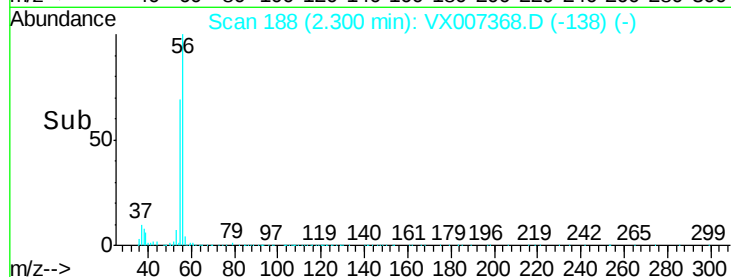
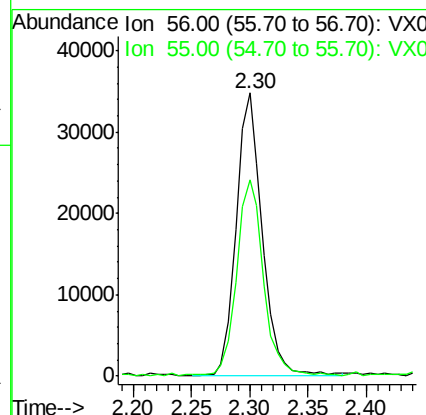
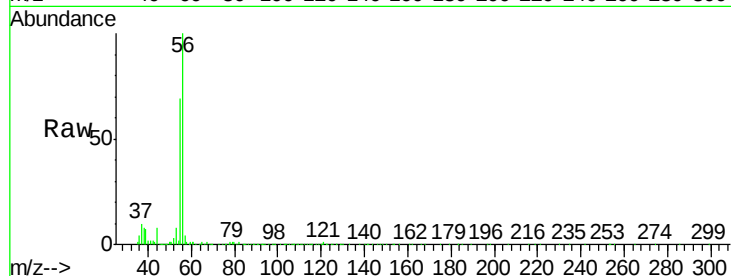
Ion Ratio Lower Upper

56 100

55 68.7 56.9 85.3

Manual Integrations
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MMDadoda
2/6/2019 9:29:42 AM



#14

Allyl chloride

Concen: 20.707 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

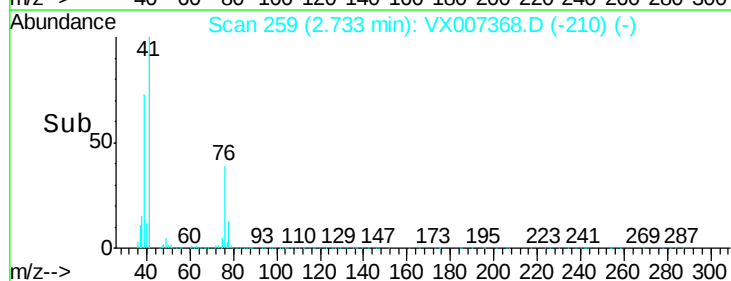
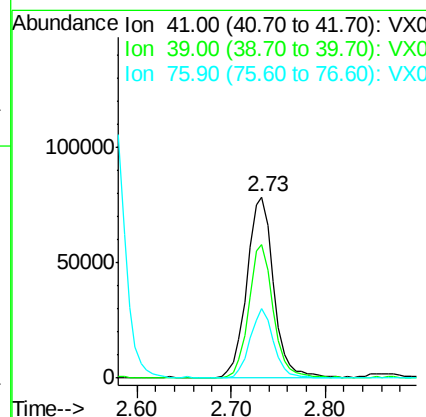
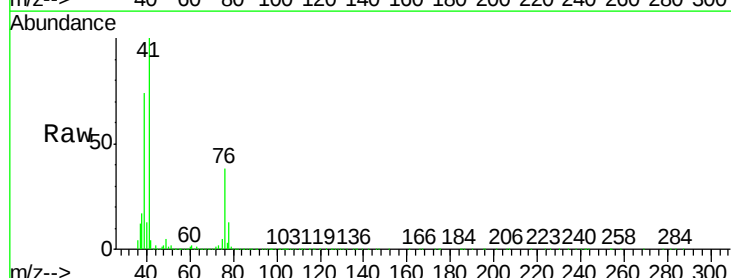
Tgt Ion: 41 Resp: 155613

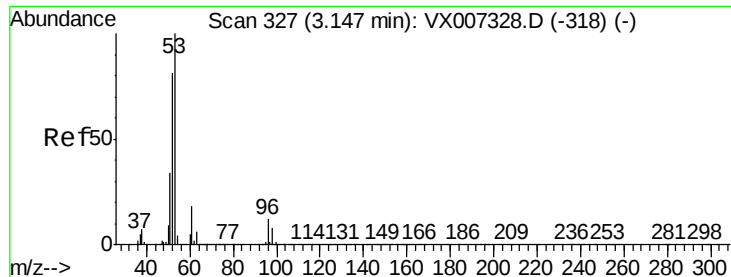
Ion Ratio Lower Upper

41 100

39 68.4 54.1 81.1

76 33.6 27.8 41.8





#15

Acrylonitrile

Concen: 104.333 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

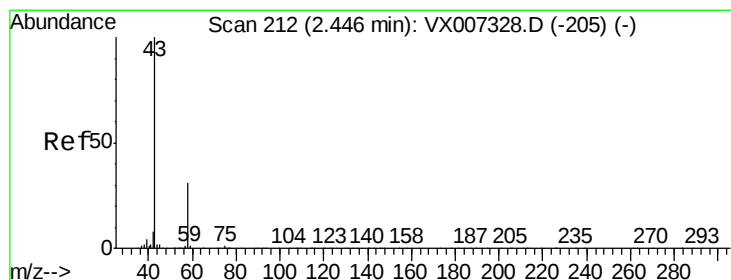
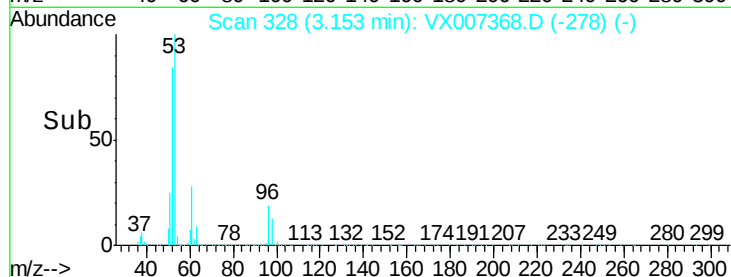
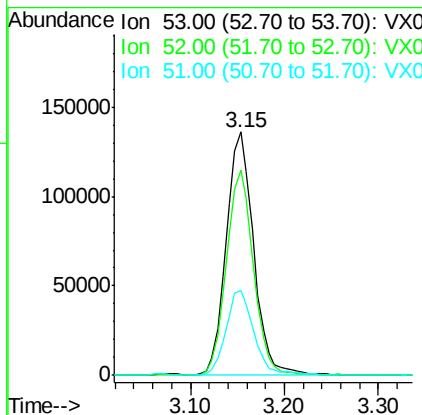
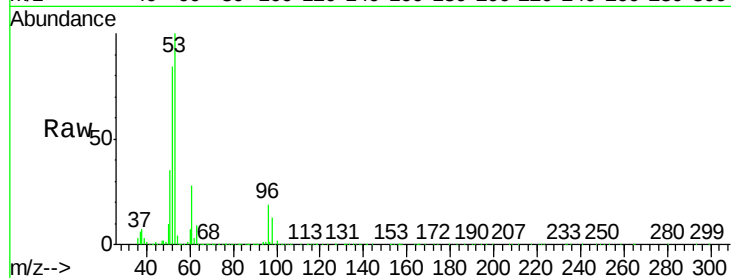
ClientSampleId :

VX0205WBS01

Tot Ion:	53	Resp:	273867
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.4	99.6
51	35.7	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 104.063 ug/l

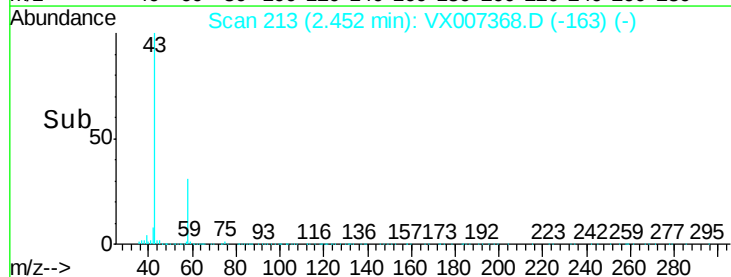
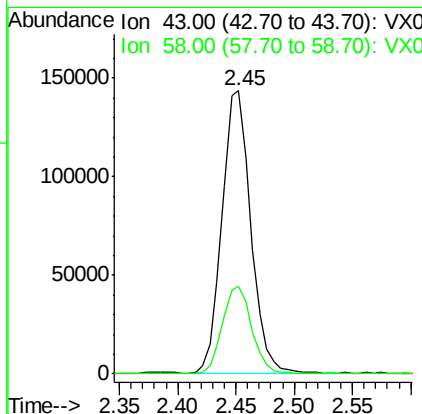
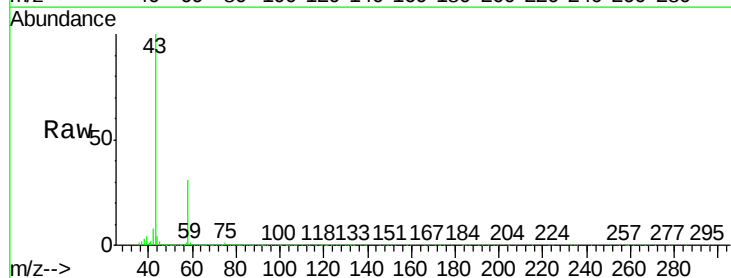
RT: 2.45 min Scan# 213

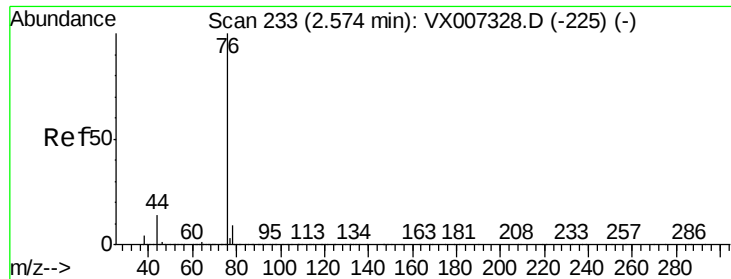
Delta R.T. 0.01 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion:	43	Resp:	244410
Ion Ratio		Lower	Upper
43	100		
58	31.0	24.9	37.3





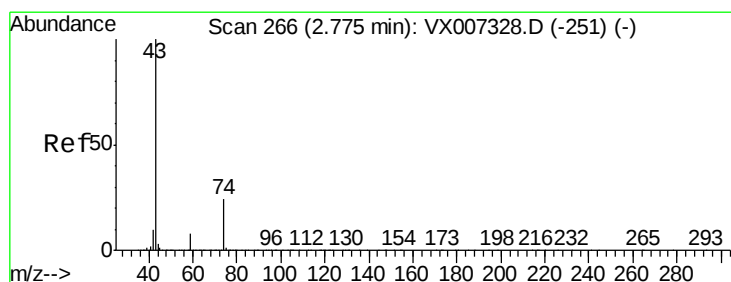
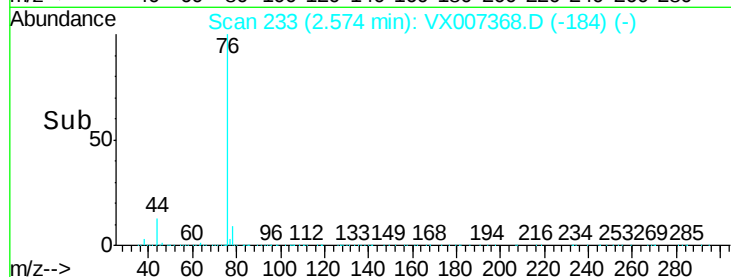
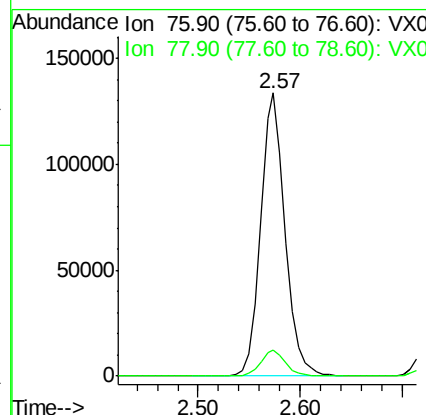
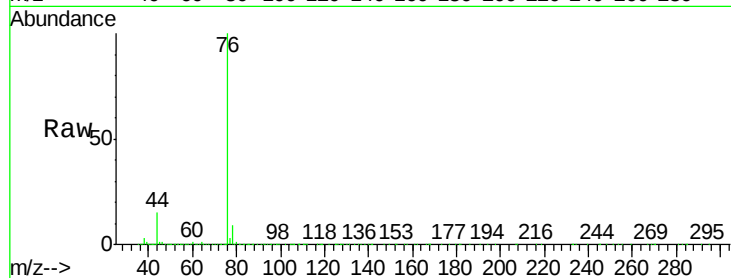
#17
Carbon Disulfide
Concen: 19.825 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

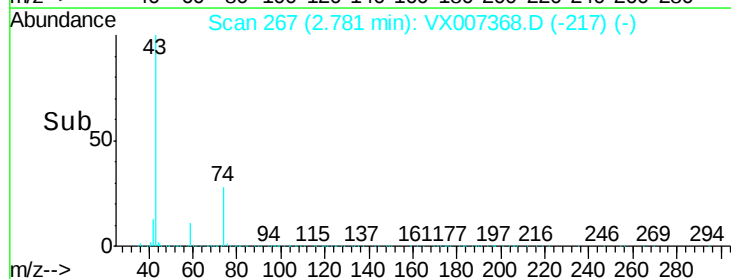
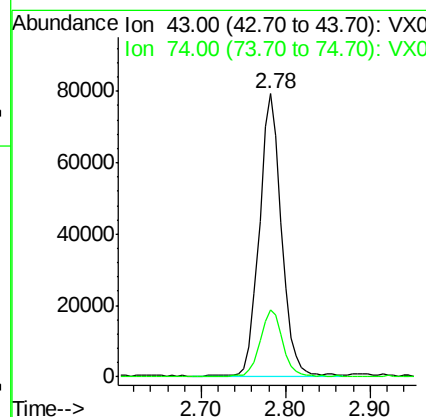
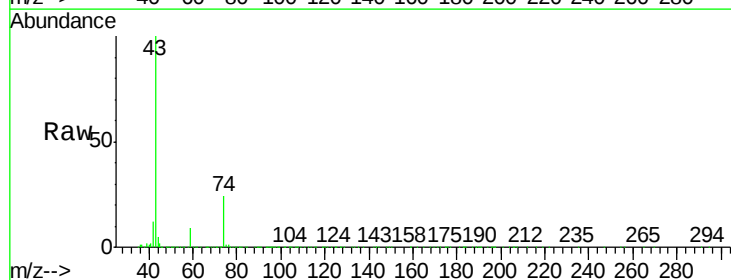
Manual Integrations
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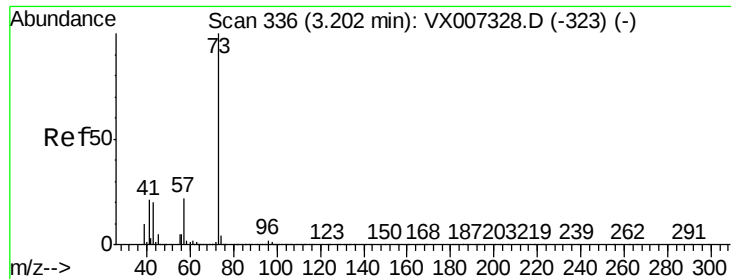
MMDadoda
2/6/2019 9:29:42 AM



#18
Methyl Acetate
Concen: 23.365 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.4	29.2





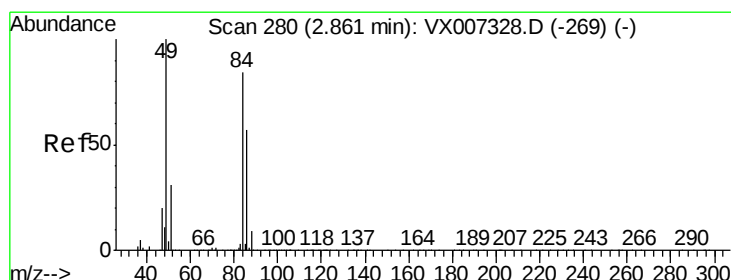
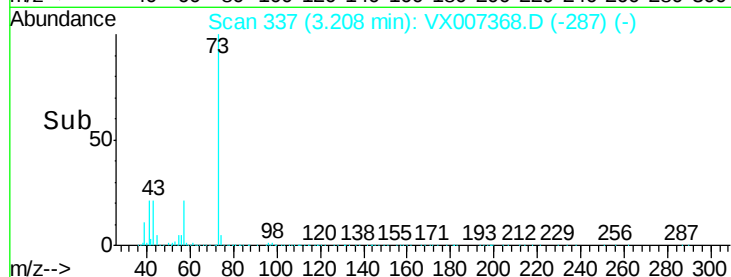
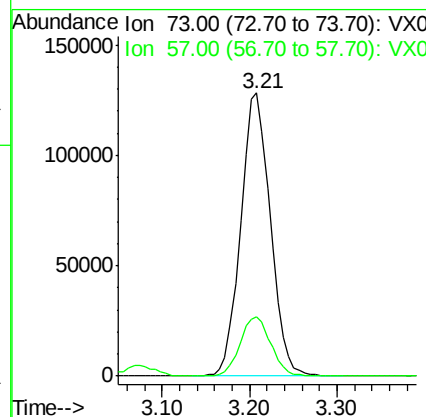
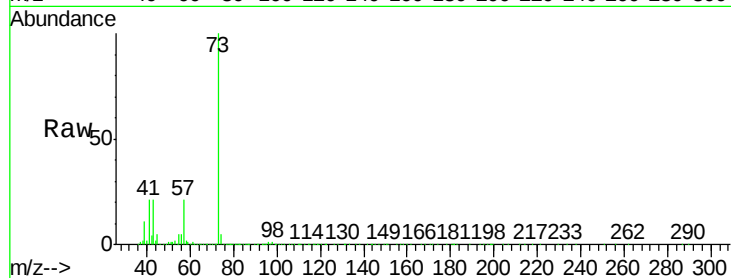
#19
Methyl tert-butyl Ether
Concen: 20.146 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.8	26.8

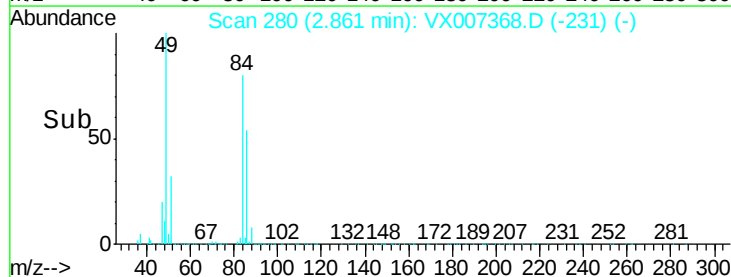
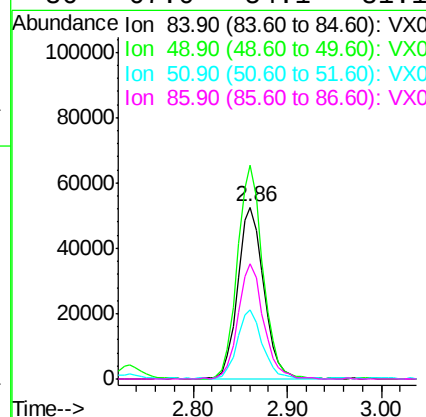
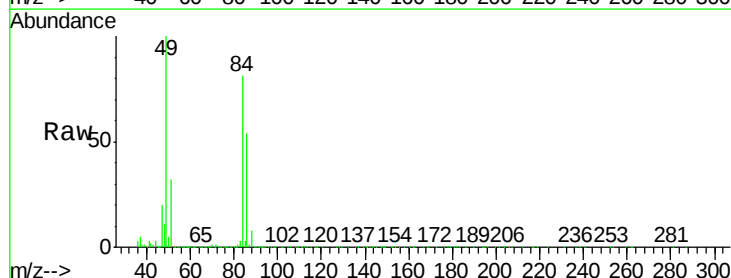
Manual Integrations
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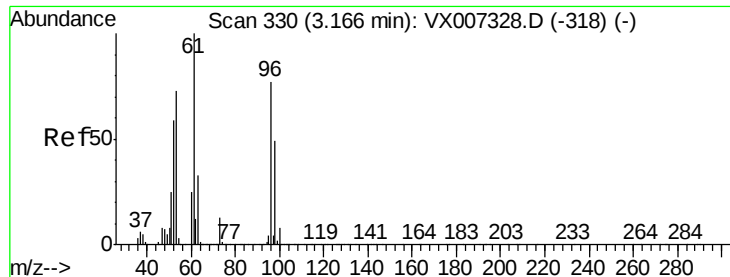
MMDadoda
2/6/2019 9:29:42 AM



#20
Methylene Chloride
Concen: 20.756 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	94.8	142.2
51	39.7	29.8	44.8
86	67.0	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 19.329 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

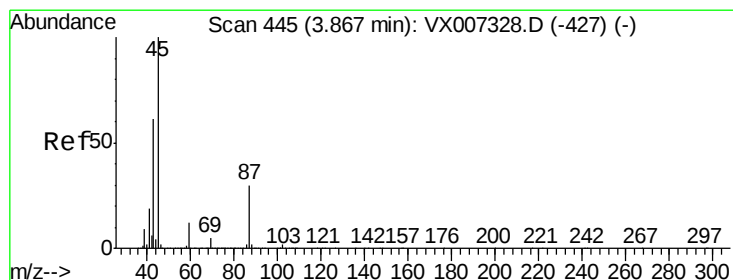
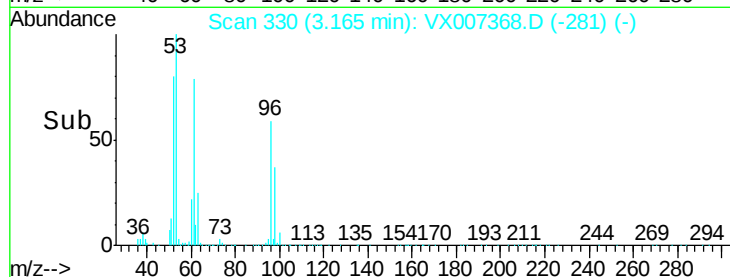
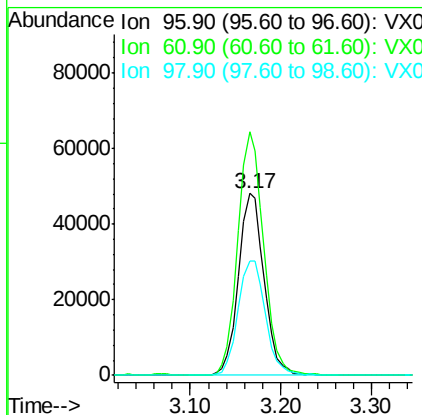
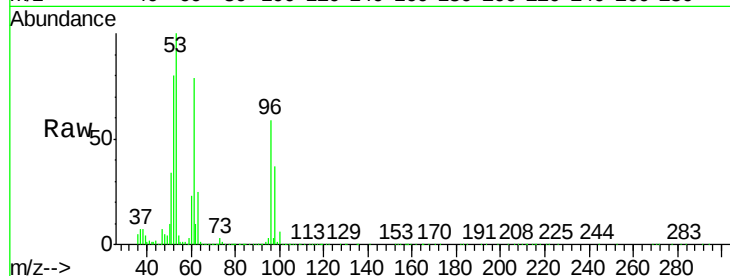
ClientSampleId :

VX0205WBS01

Tot Ion:	96	Resp:	94967
Ion	Ratio	Lower	Upper
96	100		
61	133.8	104.6	156.8
98	63.0	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.273 ug/l

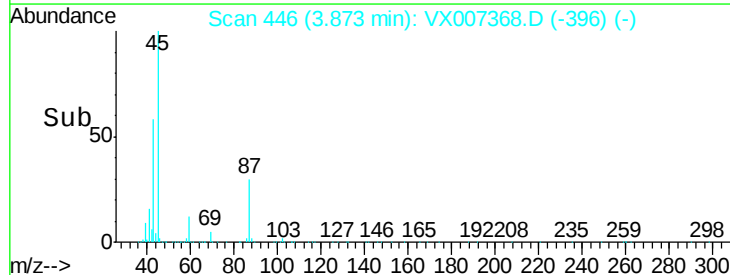
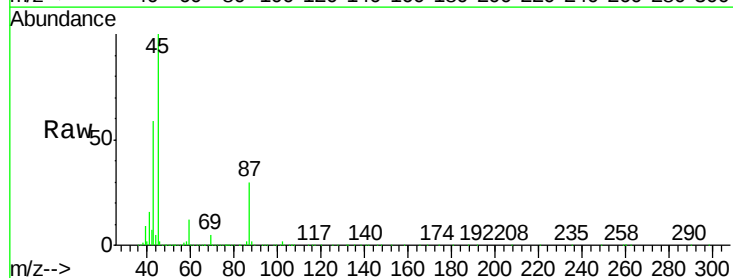
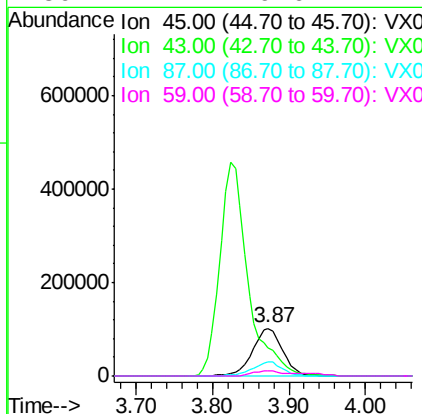
RT: 3.87 min Scan# 446

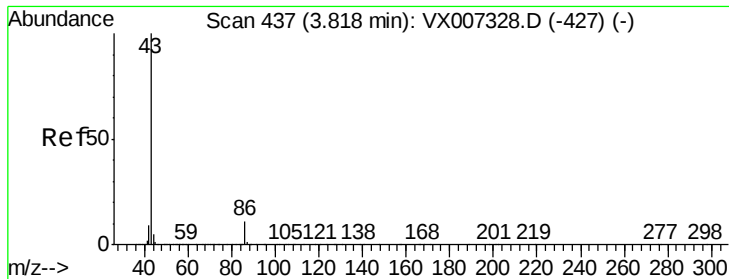
Delta R.T. 0.01 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion:	45	Resp:	280239
Ion	Ratio	Lower	Upper
45	100		
43	58.3	48.9	73.3
87	29.7	23.9	35.9
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 102.710 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0205WBS01

Tot Ion: 43 Resp: 1178195

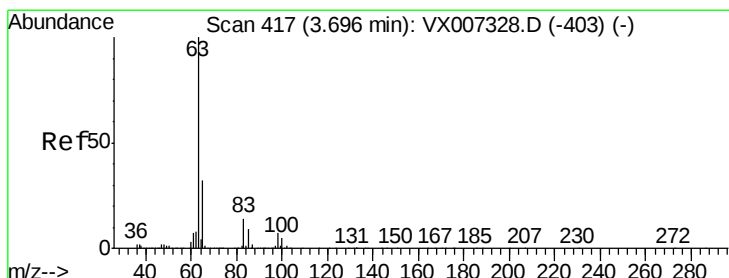
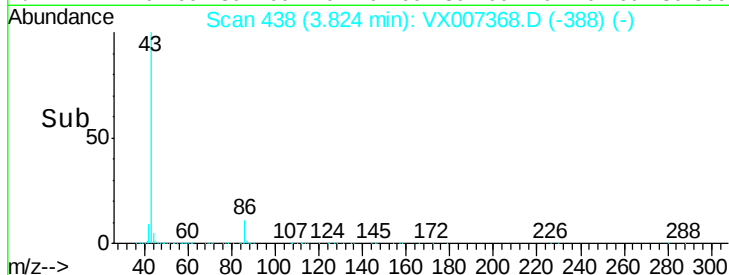
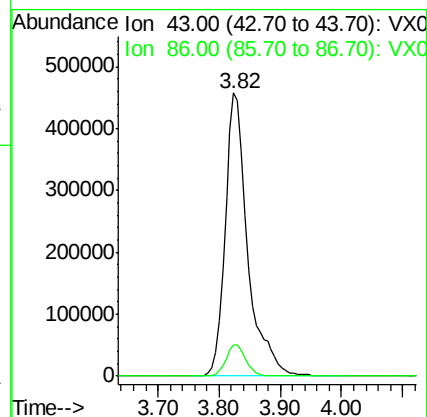
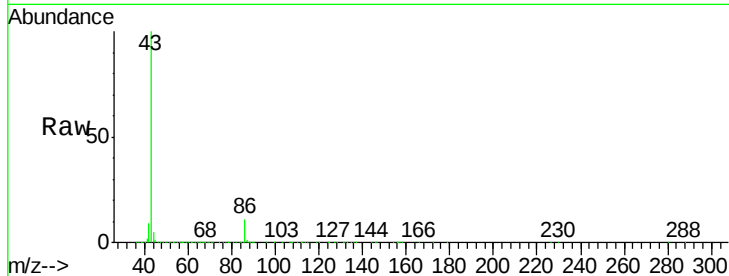
Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1

Manual Integrations
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2/6/2019 9:29:42 AM



#24

1,1-Dichloroethane

Concen: 19.879 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

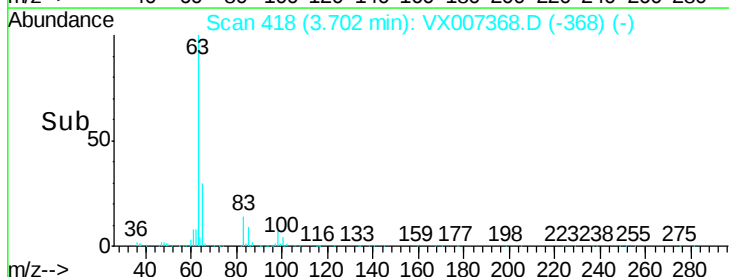
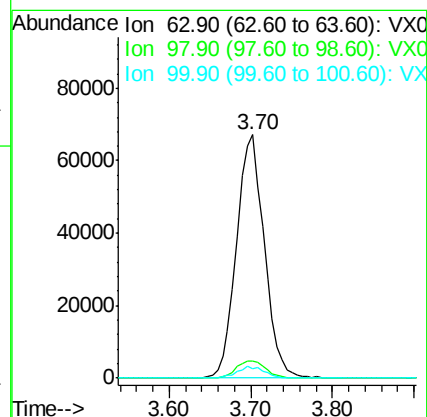
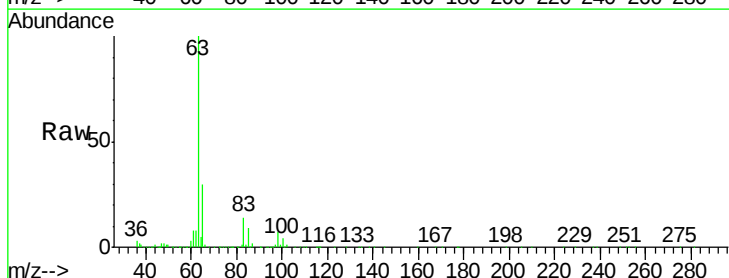
Tgt Ion: 63 Resp: 157812

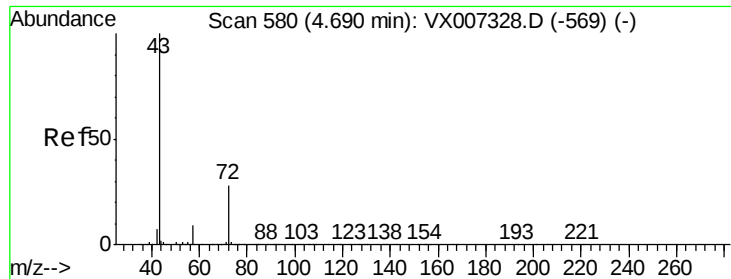
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 4.0 2.5 7.4





#25

2-Butanone

Concen: 105.207 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion: 43 Resp: 351651

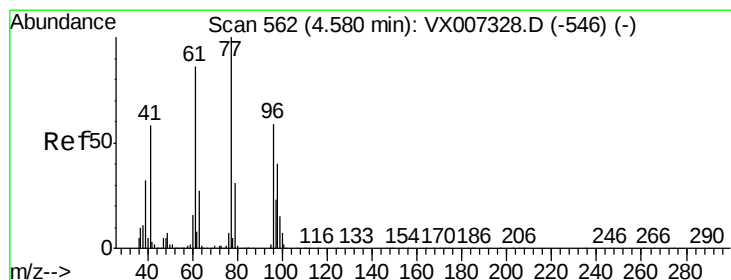
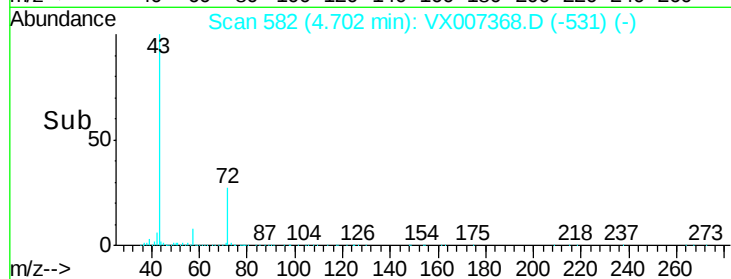
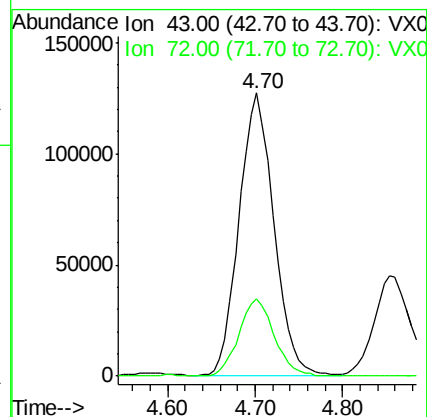
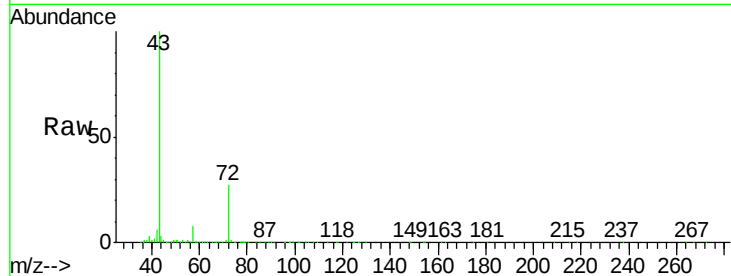
Ion Ratio Lower Upper

43 100

72 27.3 22.2 33.2

Manual Integrations
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2/6/2019 9:29:42 AM



#26

2,2-Dichloropropane

Concen: 19.387 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007368.D

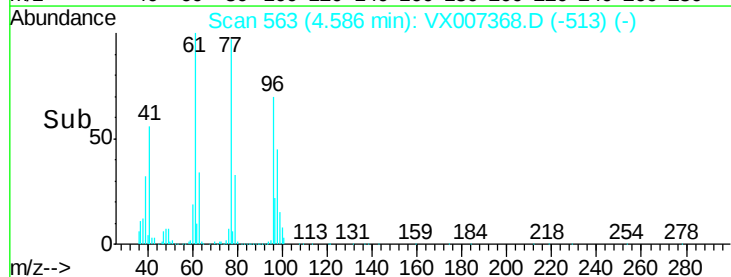
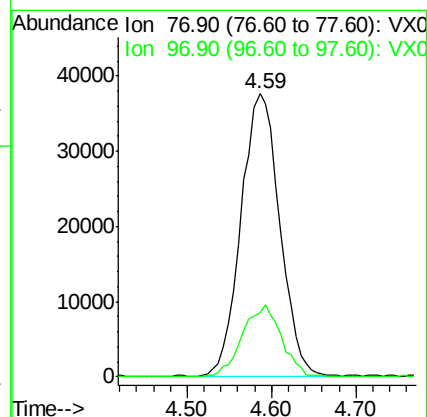
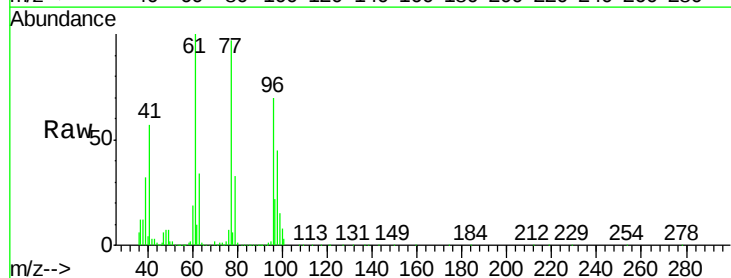
Acq: 05 Feb 2019 11:25

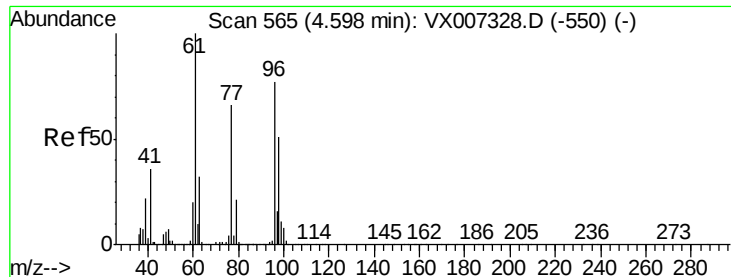
Tgt Ion: 77 Resp: 117205

Ion Ratio Lower Upper

77 100

97 25.9 12.1 36.3





#27

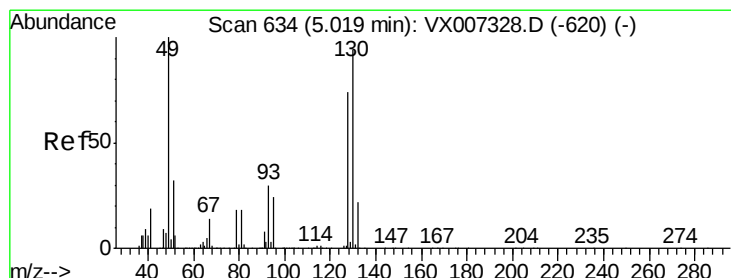
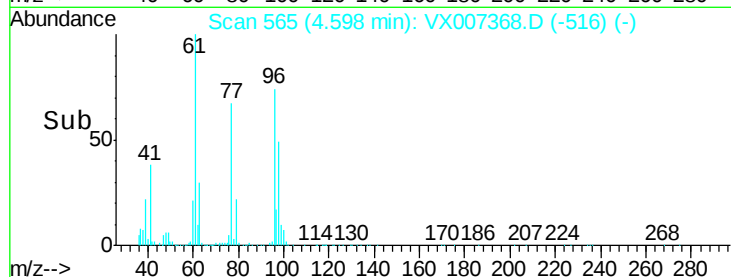
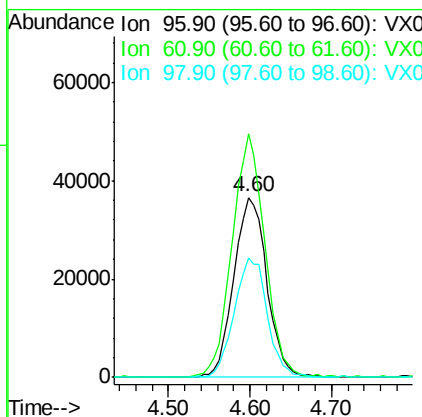
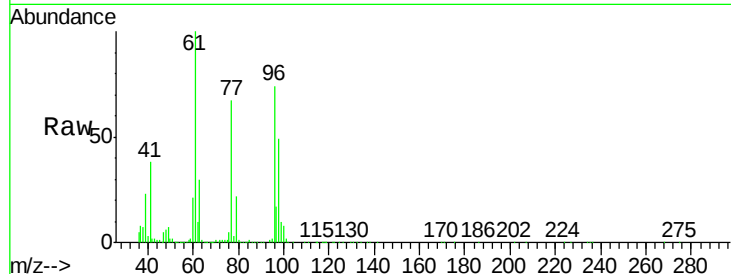
cis-1,2-Dichloroethene
Concen: 19.167 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	102859		
61	133.1		0.0	265.6
98	66.3		0.0	131.6

Manual Integrations
APPROVED

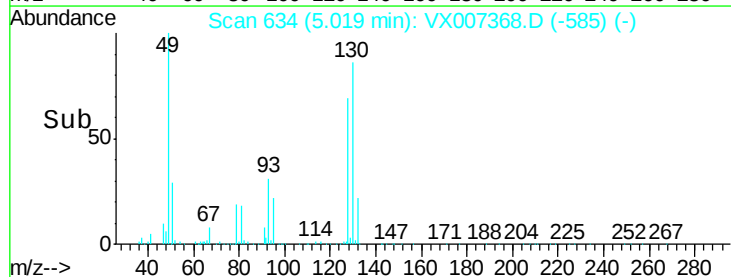
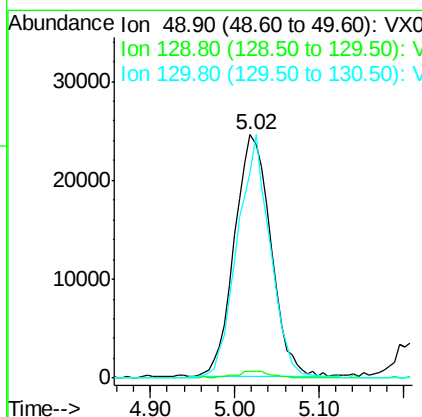
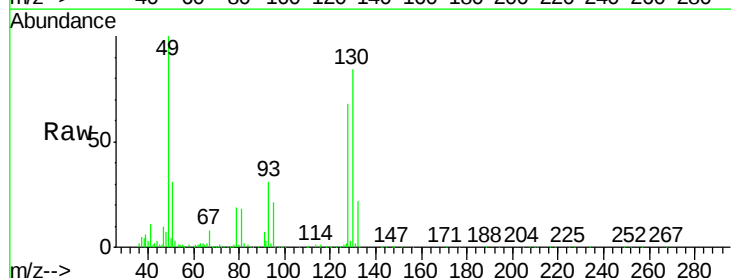
MMDadoda
2/6/2019 9:29:42 AM

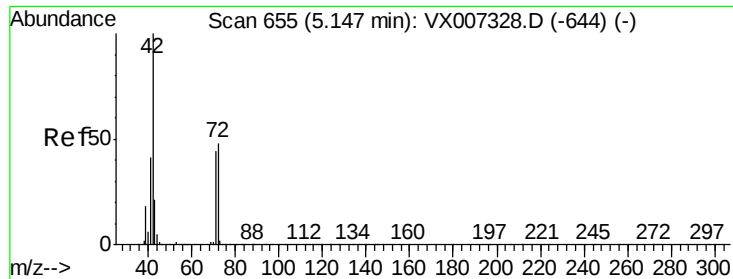


#28

Bromochloromethane
Concen: 19.729 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72025		
129	2.8		0.0	5.6
130	90.8		75.6	113.4





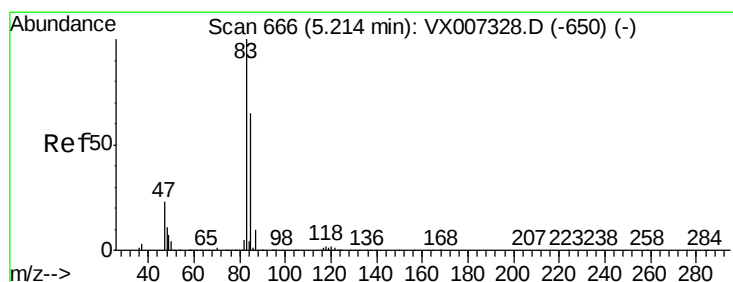
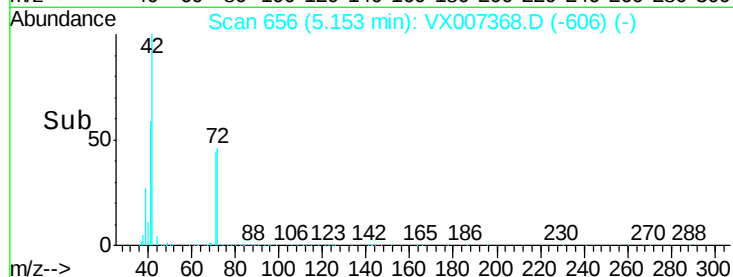
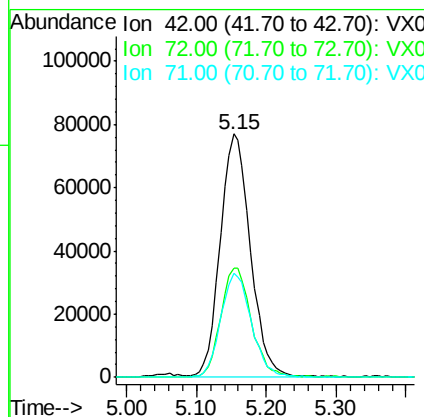
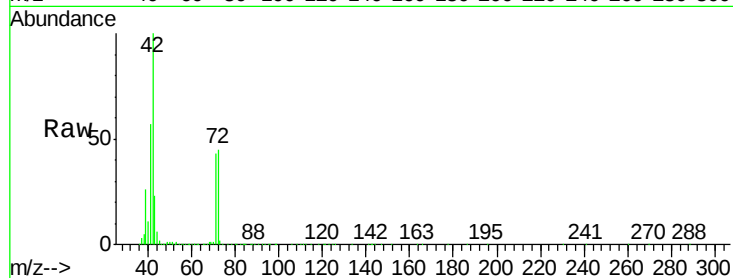
#29
Tetrahydrofuran
Concen: 108.703 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.6	56.4
71	43.8	34.6	51.8

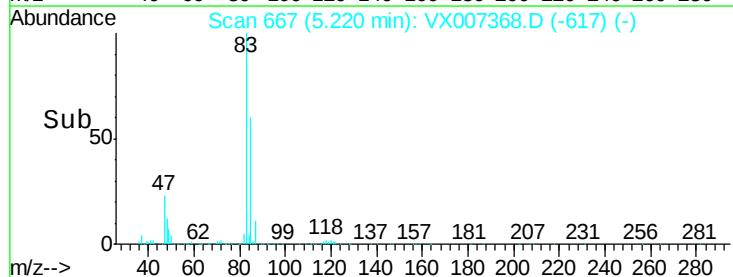
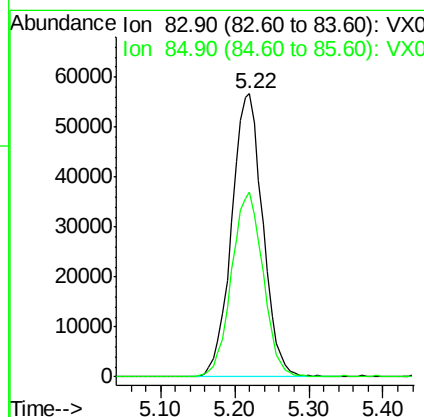
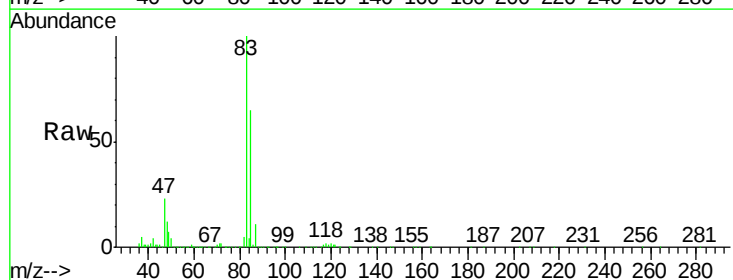
Manual Integrations
APPROVED

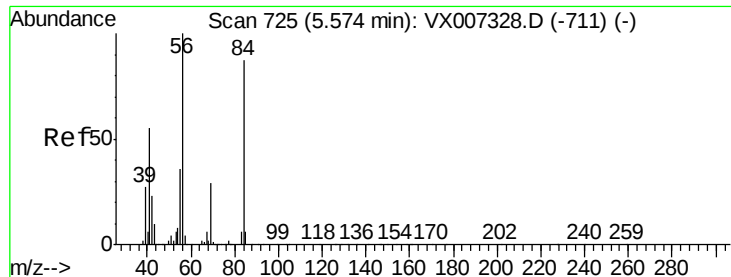
MMDadoda
2/6/2019 9:29:42 AM



#30
Chloroform
Concen: 19.958 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.6	77.4





#31

Cyclohexane

Concen: 19.228 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

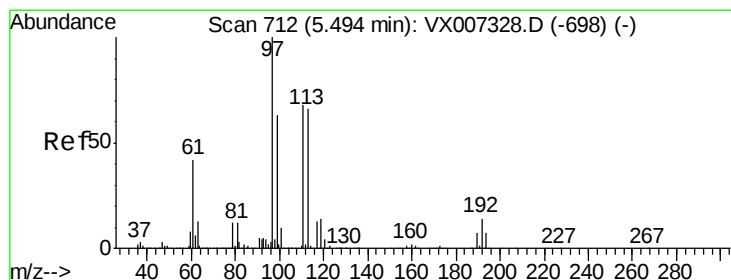
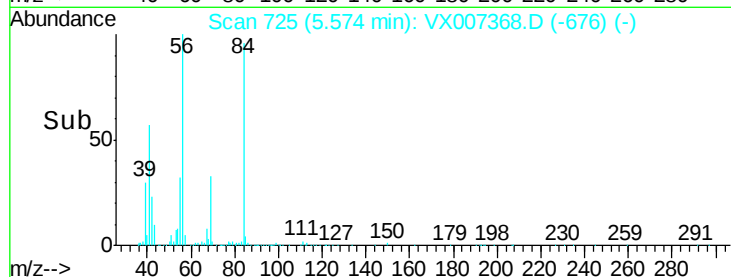
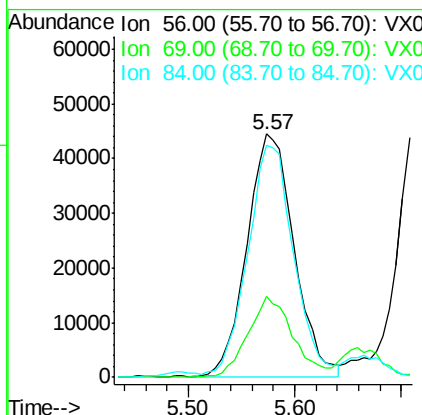
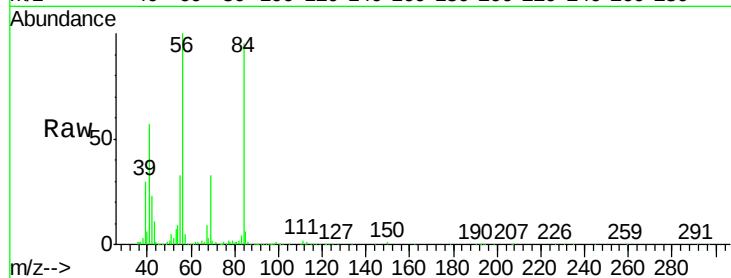
ClientSampleId :

VX0205WBS01

Tot Ion:	56	Resp:	137094
Ion	Ratio	Lower	Upper
56	100		
69	32.9	23.0	34.6
84	93.8	69.8	104.6

Manual Integrations
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2/6/2019 9:29:42 AM



#32

1,1,1-Trichloroethane

Concen: 20.377 ug/l

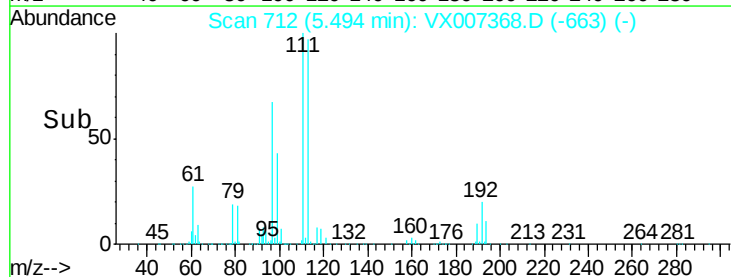
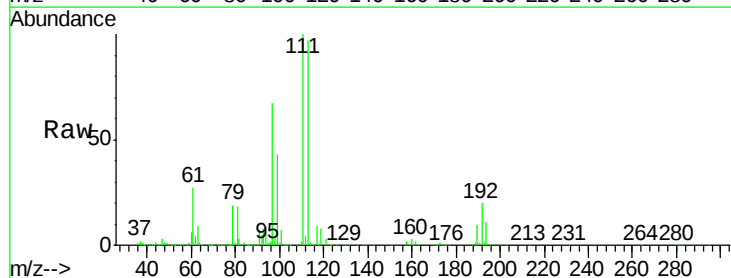
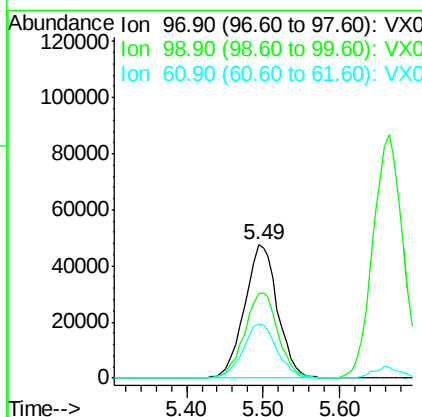
RT: 5.49 min Scan# 712

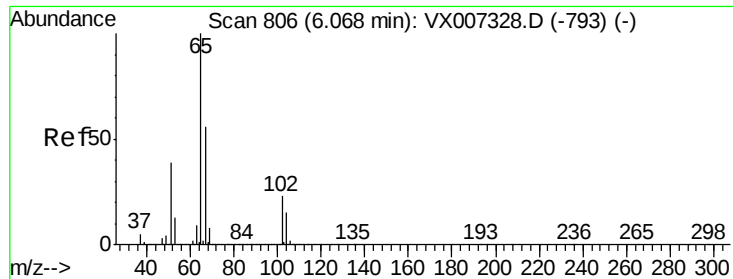
Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion:	97	Resp:	142484
Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.2
61	41.8	32.7	49.1





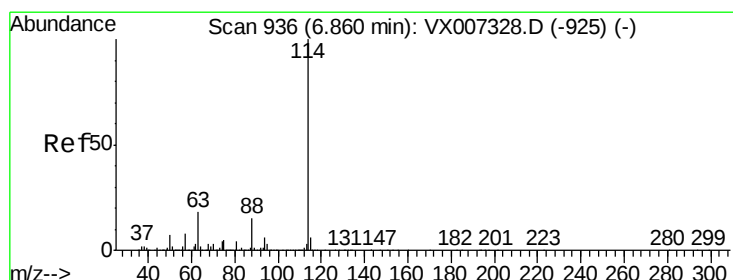
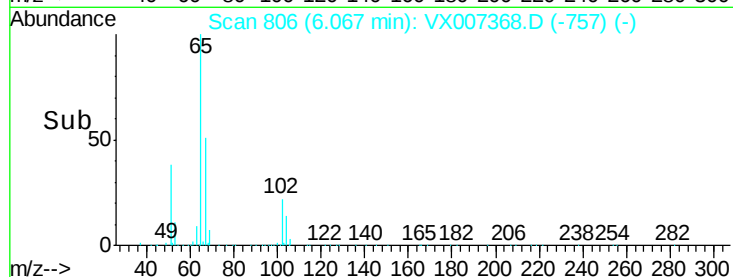
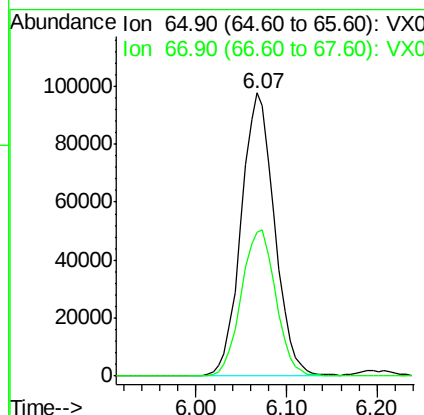
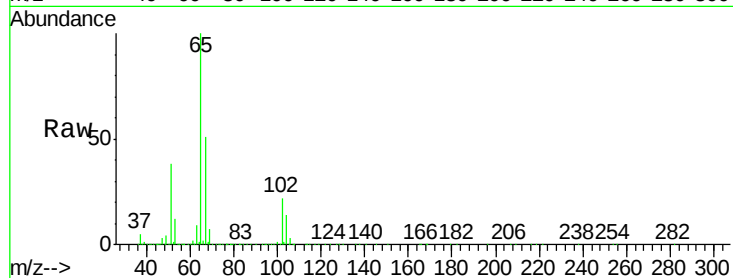
#33
 1,2-Dichloroethane-d4
 Concen: 48.390 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	248109		
67	53.8	0.0	108.8	

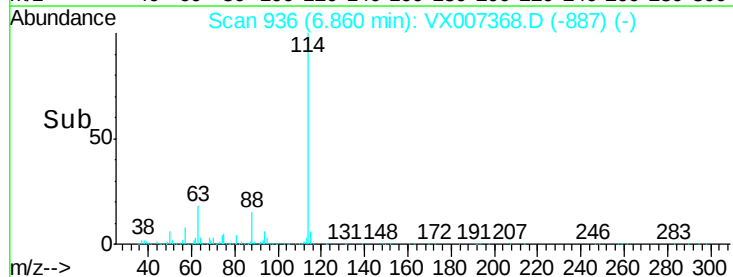
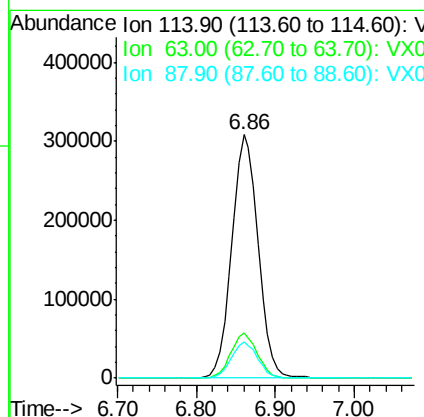
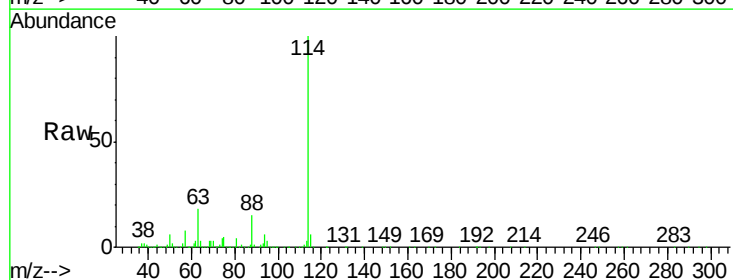
Manual Integrations
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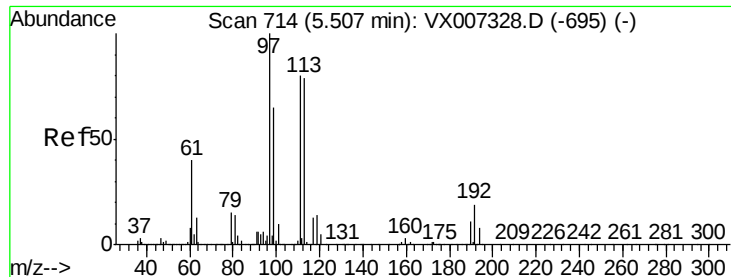
MMDadoda
 2/6/2019 9:29:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	716826		
63	18.3	0.0	35.6	
88	15.1	0.0	29.6	





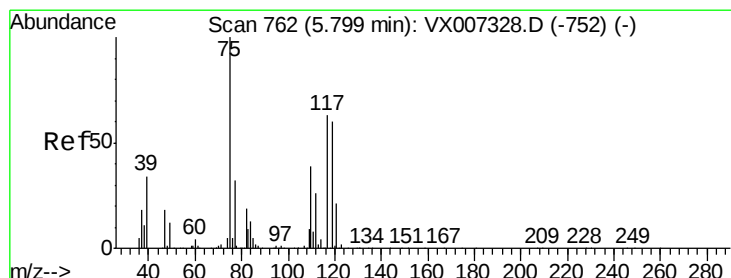
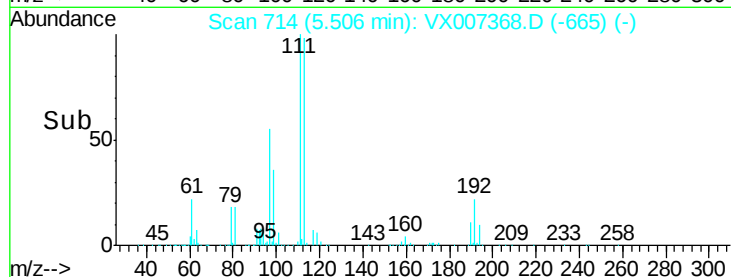
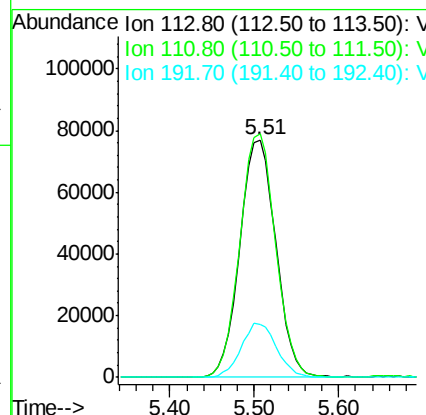
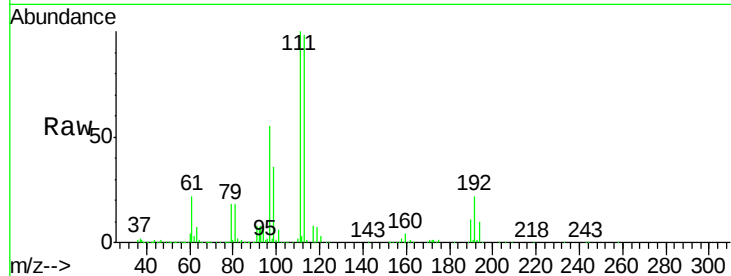
#35
Dibromofluoromethane
Concen: 47.786 ug/l
RT: 5.51 min Scan# 714
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222882		
111	101.8	81.8	122.8	
192	22.4	18.5	27.7	

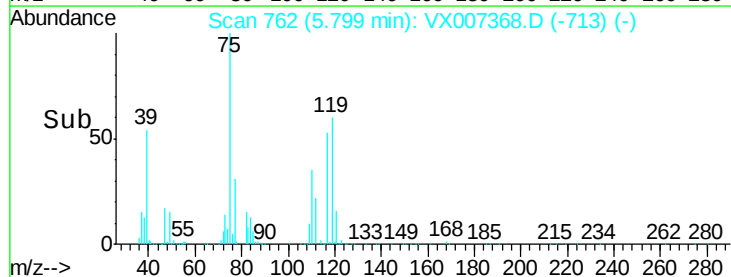
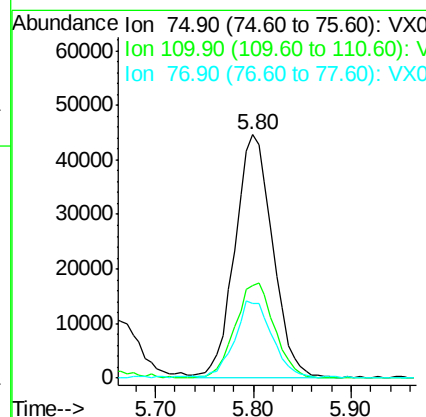
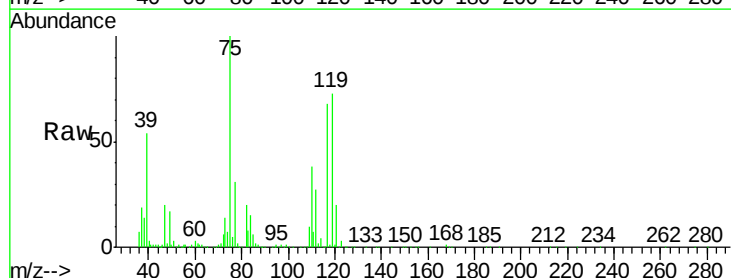
Manual Integrations
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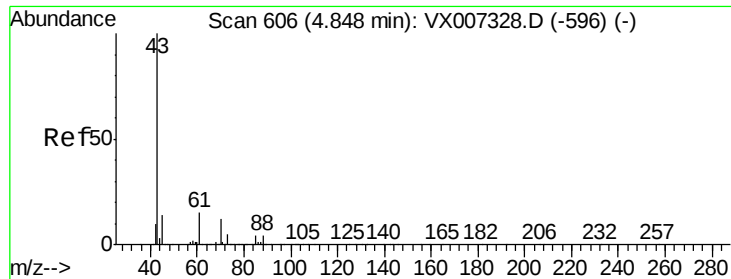
MMDadoda
2/6/2019 9:29:42 AM



#36
1,1-Dichloropropene
Concen: 18.496 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118961		
110	40.8	20.0	59.9	
77	30.8	24.7	37.1	





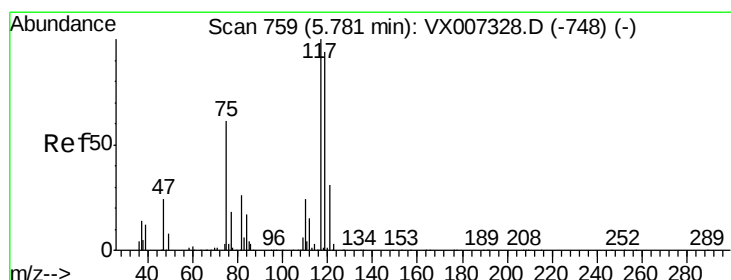
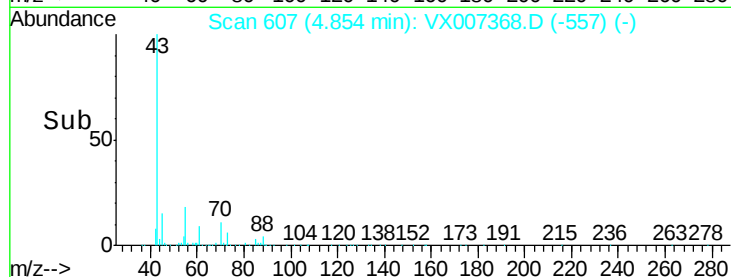
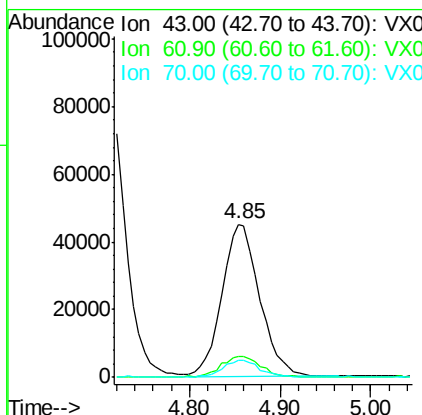
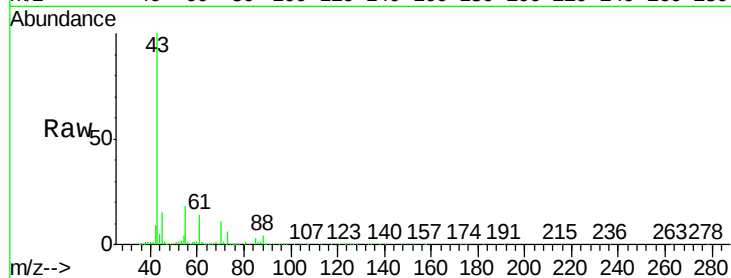
#37
Ethyl Acetate
Concen: 19.948 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		129696		
61	14.0	11.3	16.9		
70	11.5	8.6	13.0		

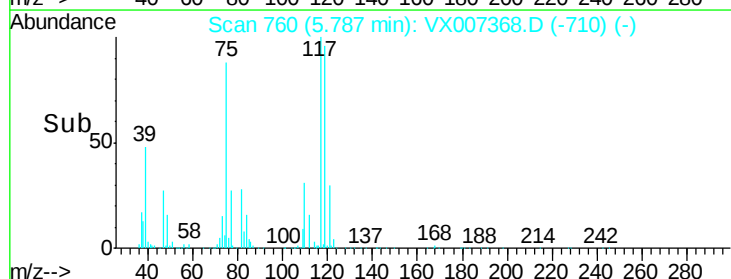
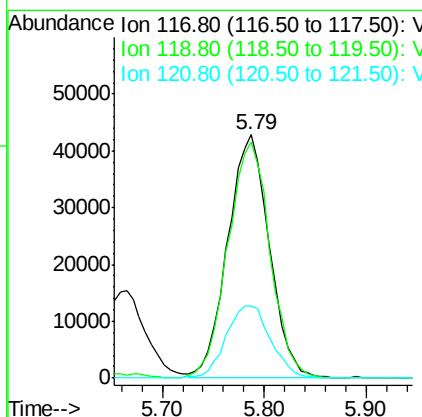
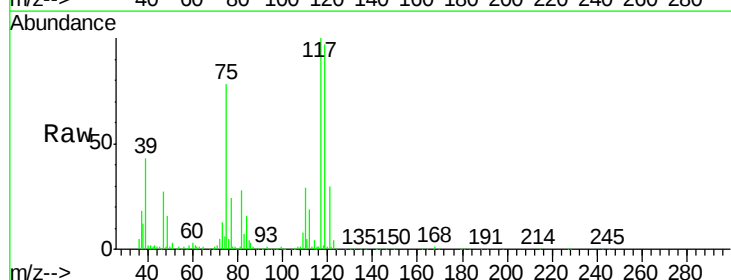
Manual Integrations
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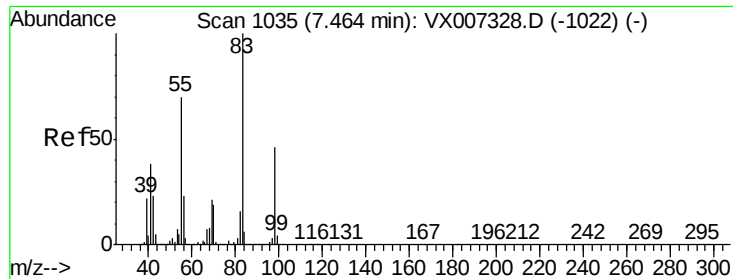
MMDadoda
2/6/2019 9:29:42 AM



#38
Carbon Tetrachloride
Concen: 19.419 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		121167		
119	96.5	75.3	112.9		
121	29.6	25.0	37.4		





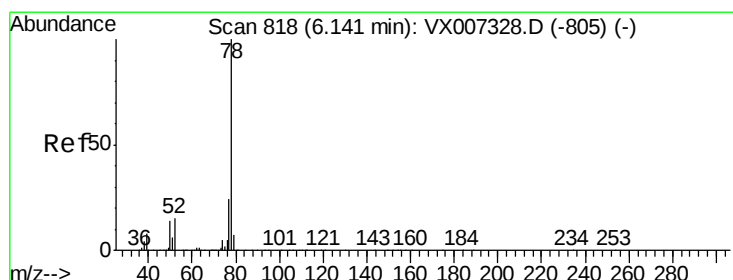
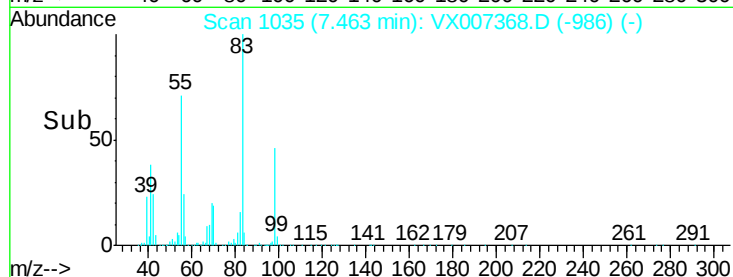
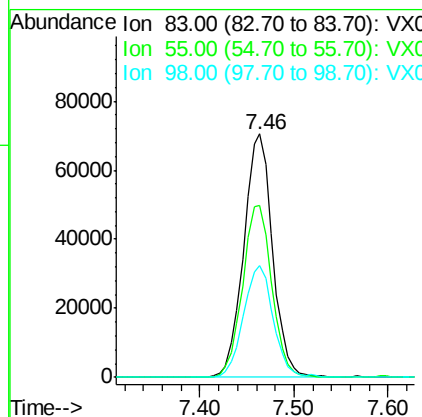
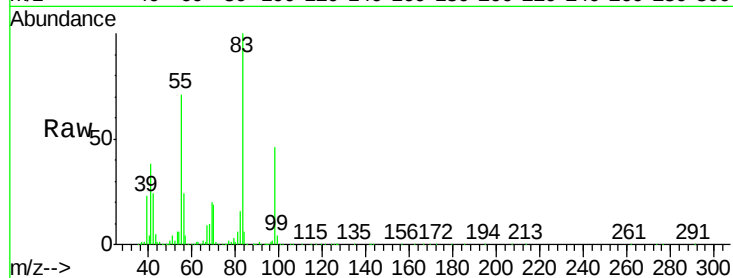
#39
Methvlcvclohexane
Concen: 19.432 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	56.2	84.2
98	46.1	36.8	55.2

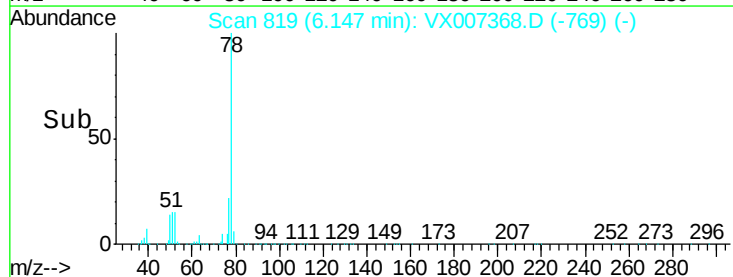
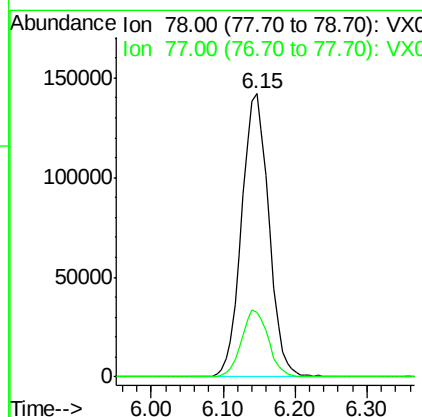
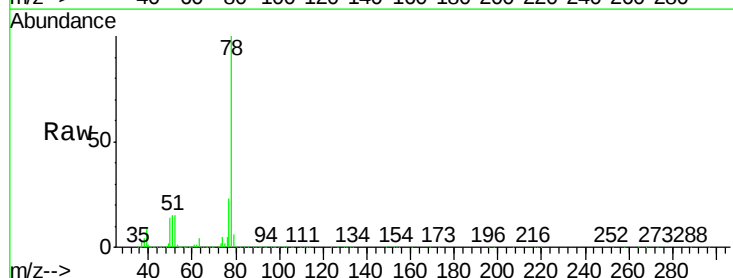
Manual Integrations
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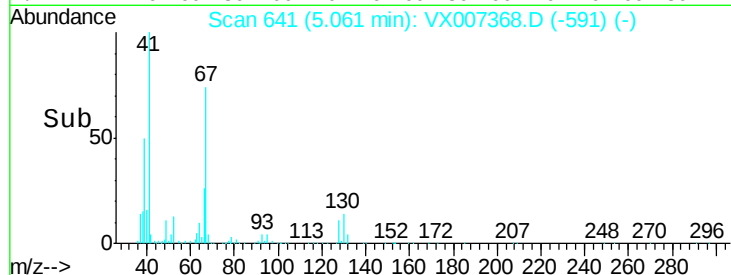
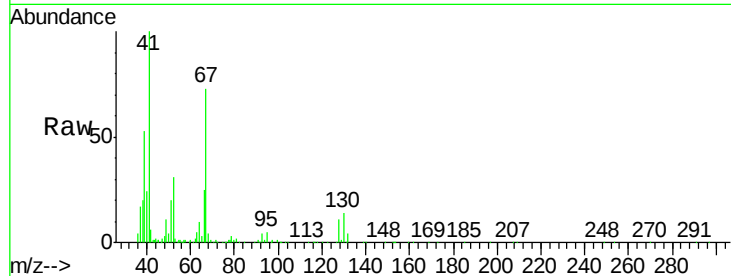
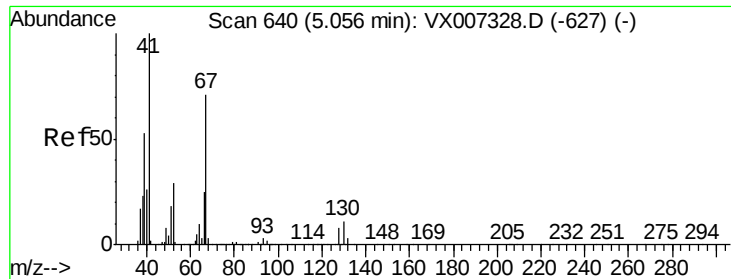
MMDadoda
2/6/2019 9:29:42 AM



#40
Benzene
Concen: 19.706 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.3	28.9





#41

Methacrylonitrile

Concen: 20.914 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007368.D

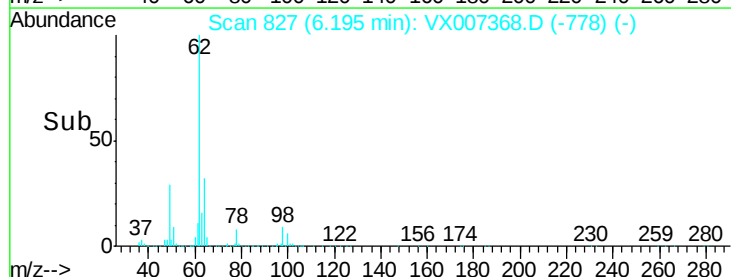
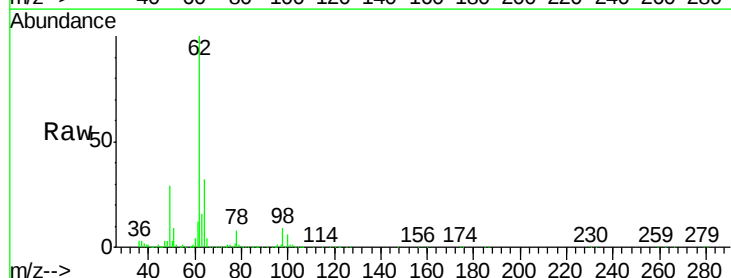
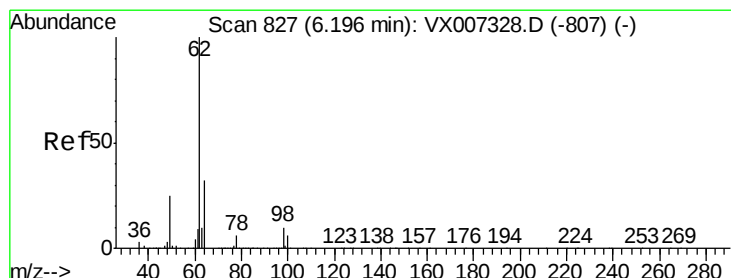
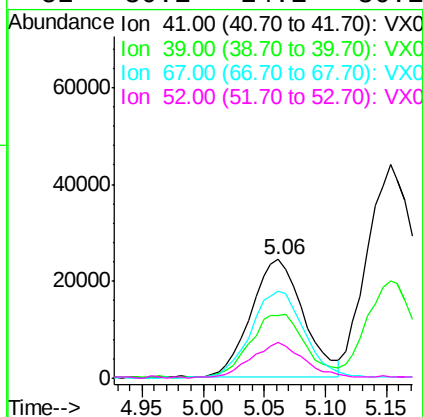
Acq: 05 Feb 2019 11:25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		72877		
39	56.7	44.5	66.7		
67	74.8	60.4	90.6		
52	30.1	24.1	36.1		

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Manual Integrations
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MMDadoda
2/6/2019 9:29:42 AM



#42

1,2-Dichloroethane

Concen: 19.133 ug/l

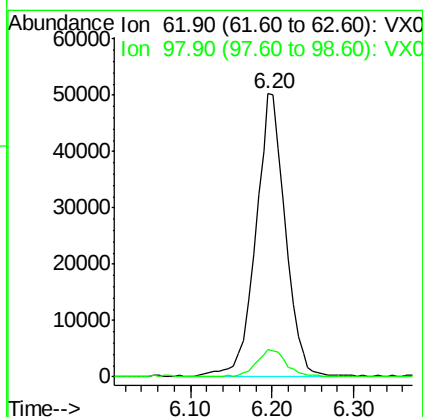
RT: 6.20 min Scan# 827

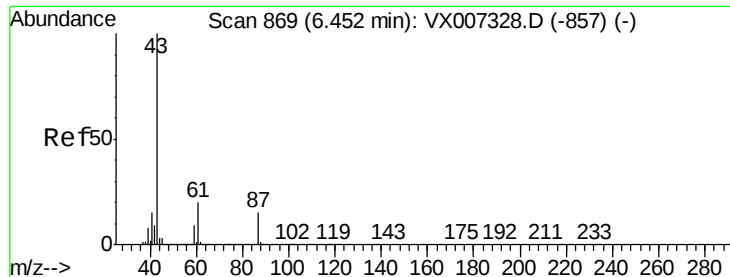
Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		125416		
98	9.9	0.0	19.0		





#43

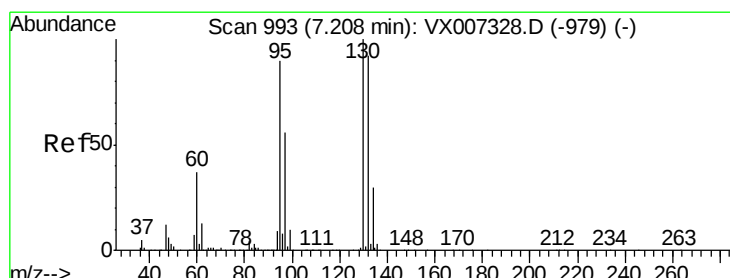
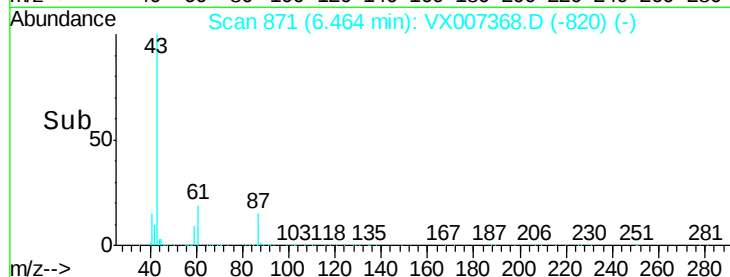
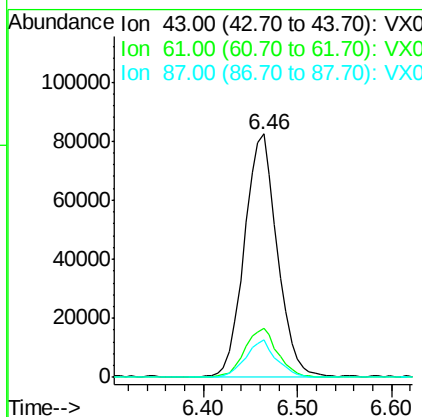
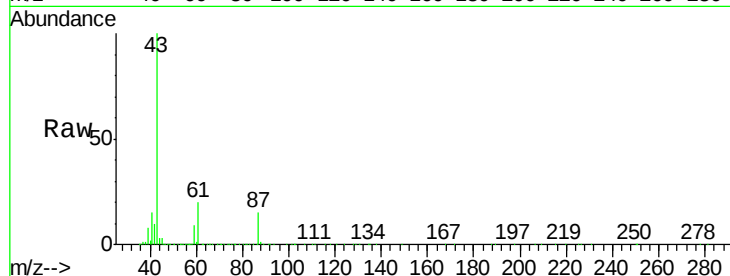
Isopropyl Acetate
 Concen: 20.003 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	14.6	11.5	17.3

Manual Integrations
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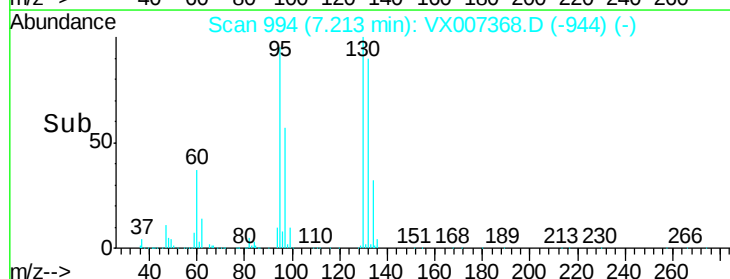
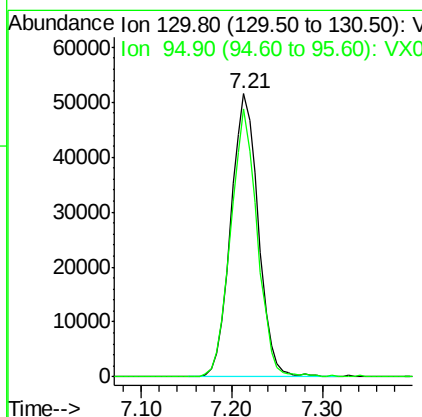
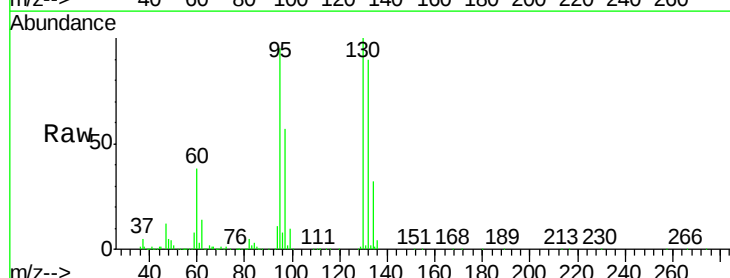
MMDadoda
 2/6/2019 9:29:42 AM

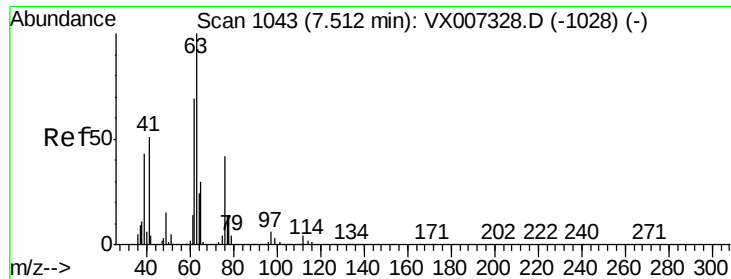


#44

Trichloroethene
 Concen: 18.997 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	180.0





#45

1,2-Dichloropropane

Concen: 19.182 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0205WBS01

Tot Ion: 63 Resp: 91057

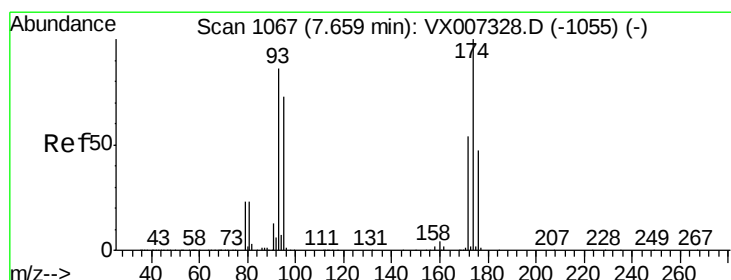
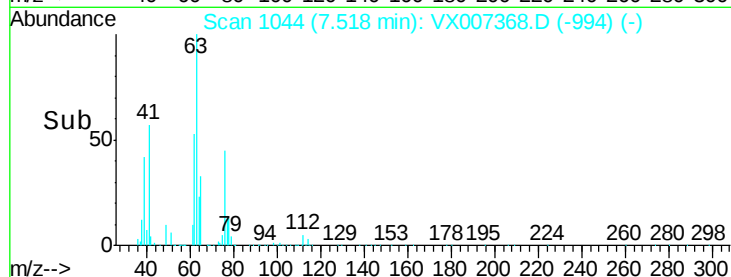
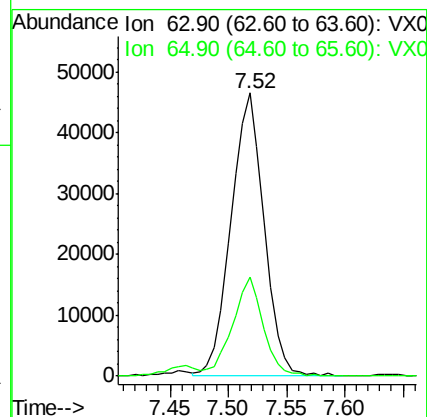
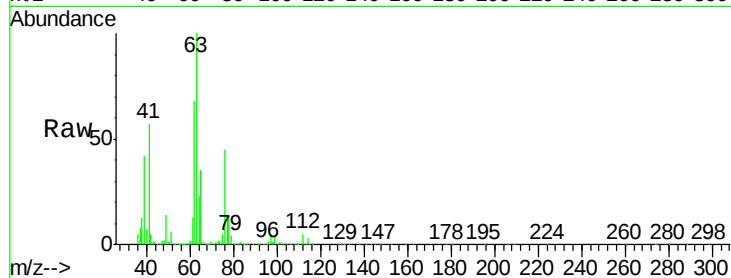
Ion Ratio Lower Upper

63 100

65 35.1 24.2 36.2

Manual Integrations
APPROVED

MMDadoda
2/6/2019 9:29:42 AM



#46

Dibromomethane

Concen: 19.274 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

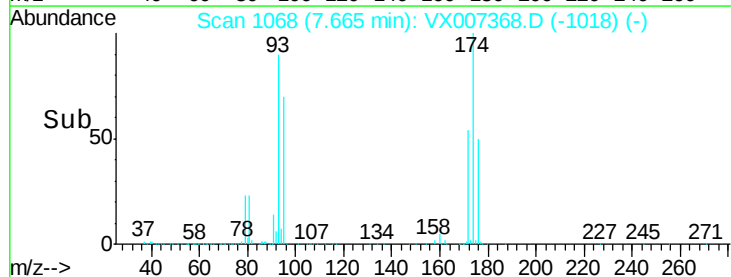
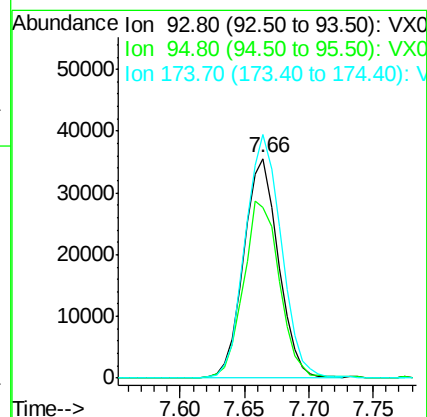
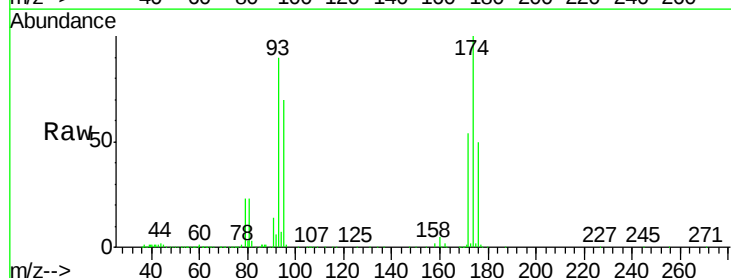
Tgt Ion: 93 Resp: 66496

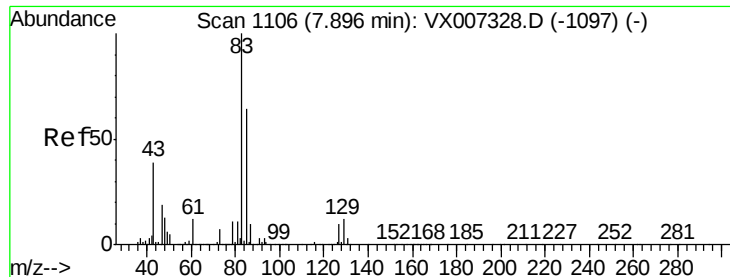
Ion Ratio Lower Upper

93 100

95 83.7 67.6 101.4

174 115.1 94.2 141.4





#47

Bromodichloromethane

Concen: 19.598 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

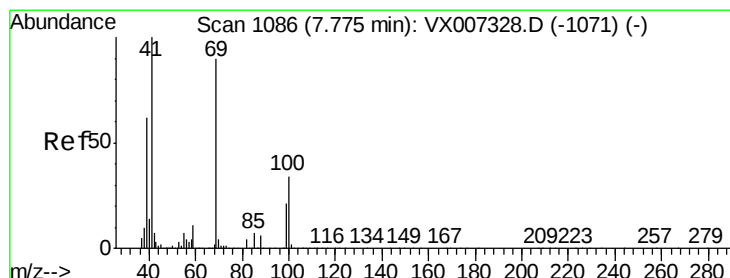
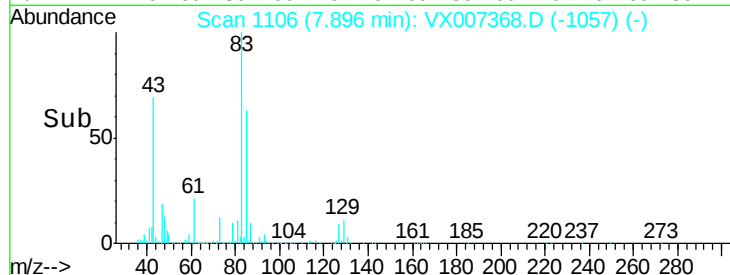
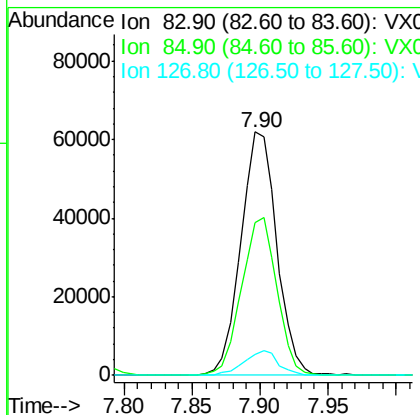
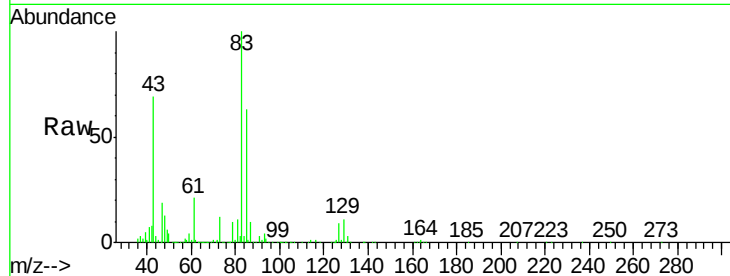
ClientSampleId :

VX0205WBS01

Tot Ion:	83	Resp:	114590
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.4	77.0
127	8.6	8.1	12.1

Manual Integrations
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MMDadoda
2/6/2019 9:29:42 AM



#48

Methyl methacrylate

Concen: 20.858 ug/l

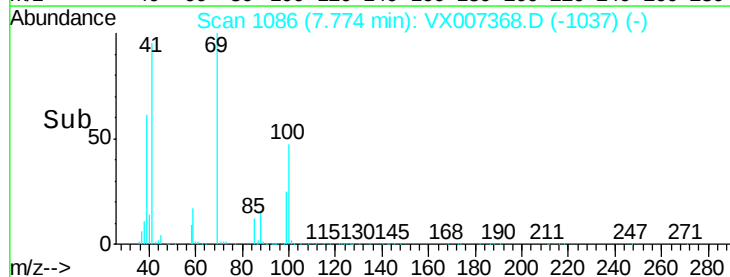
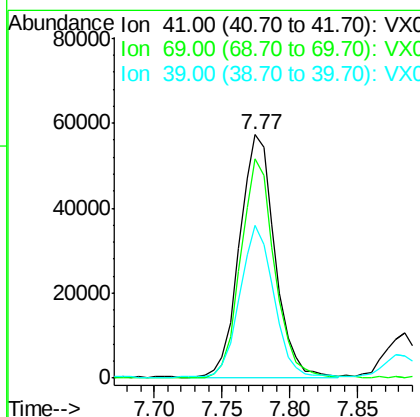
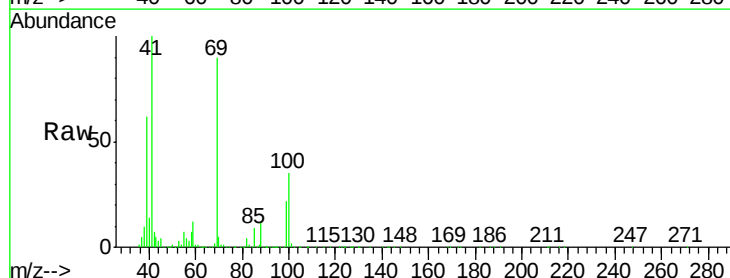
RT: 7.77 min Scan# 1086

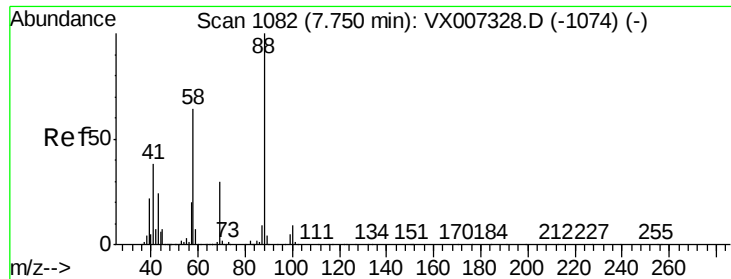
Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion:	41	Resp:	104699
Ion Ratio	Lower	Upper	
41	100		
69	86.3	70.2	105.4
39	59.8	47.4	71.0





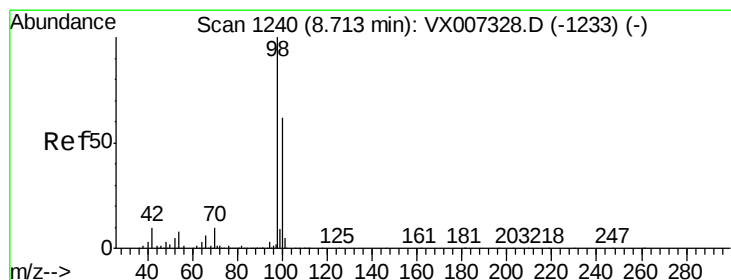
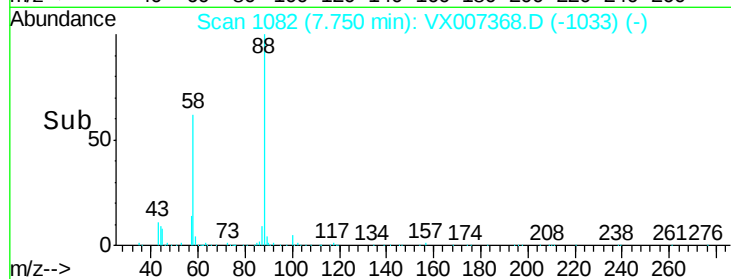
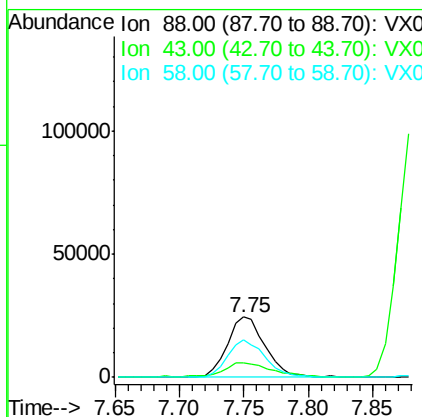
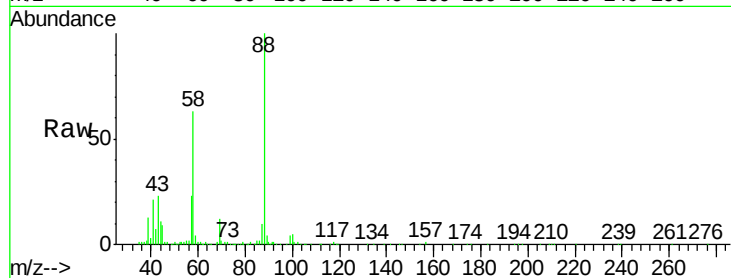
#49
1,4-Dioxane
Concen: 439.395 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	24.2	36.4
58	61.5	53.0	79.4

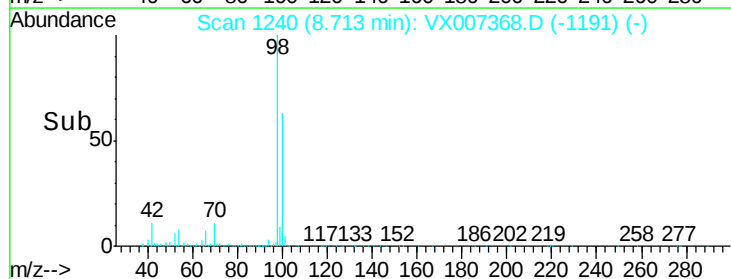
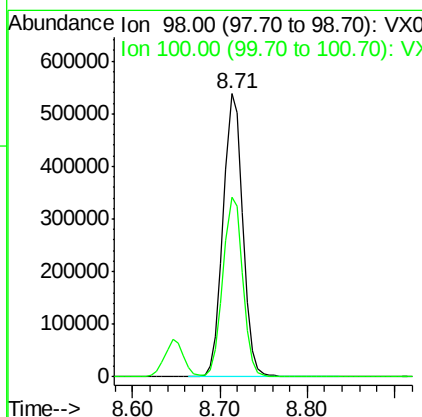
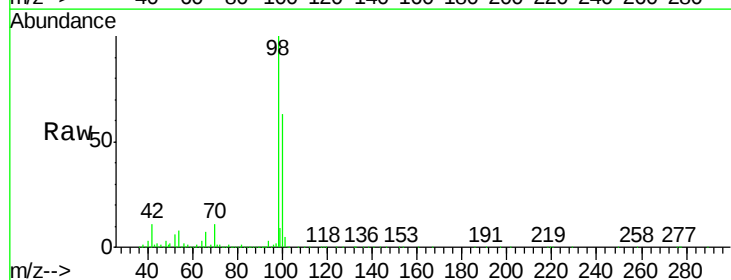
Manual Integrations
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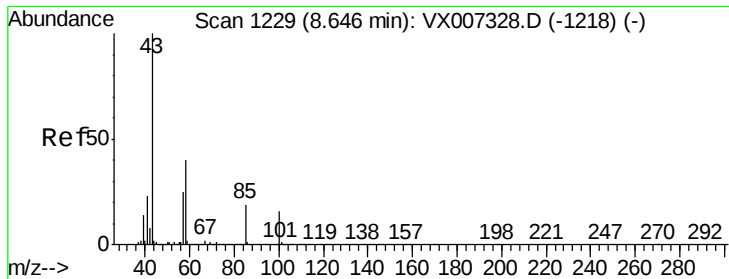
MMDadoda
2/6/2019 9:29:42 AM



#50
Toluene-d8
Concen: 48.360 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 102.817 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0205WBS01

Tot Ion: 43 Resp: 679240

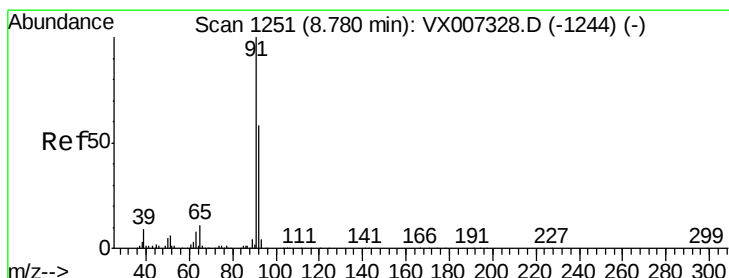
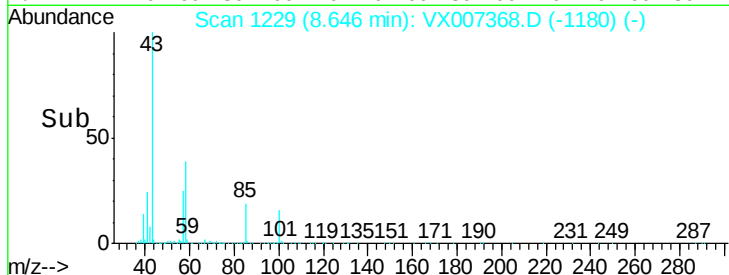
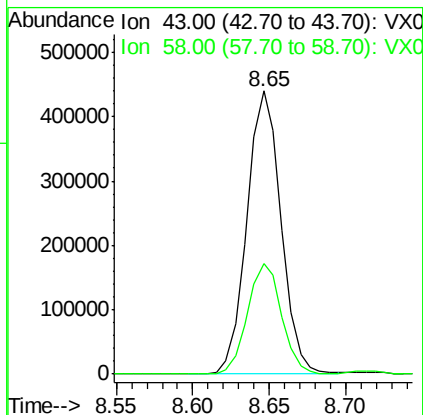
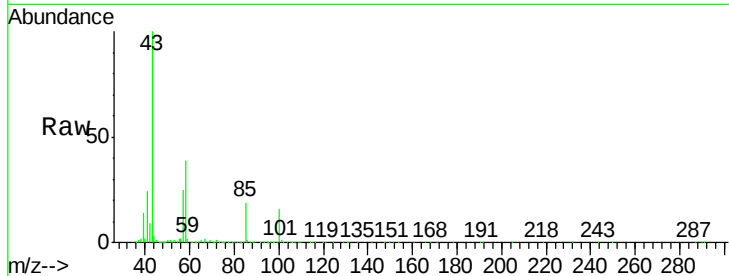
Ion Ratio Lower Upper

43 100

58 39.2 31.2 46.8

Manual Integrations
APPROVED

MMDadoda
2/6/2019 9:29:42 AM



#52

Toluene

Concen: 19.526 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007368.D

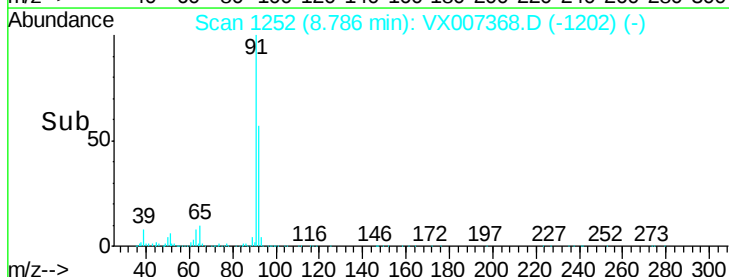
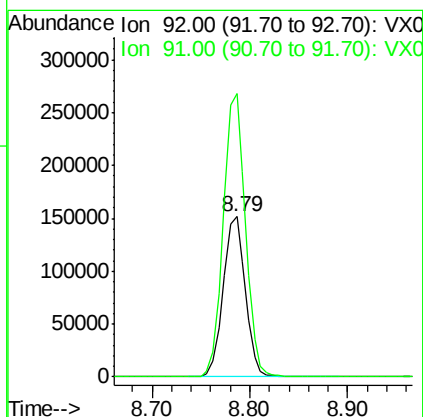
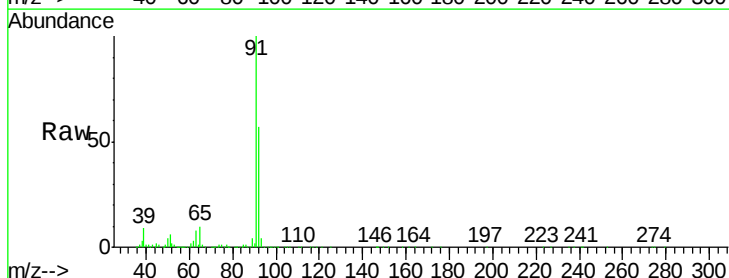
Acq: 05 Feb 2019 11:25

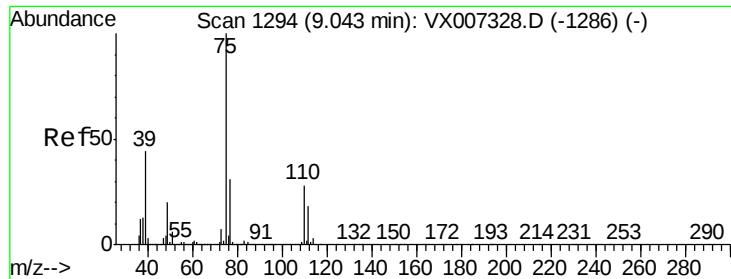
Tgt Ion: 92 Resp: 238679

Ion Ratio Lower Upper

92 100

91 176.0 139.1 208.7





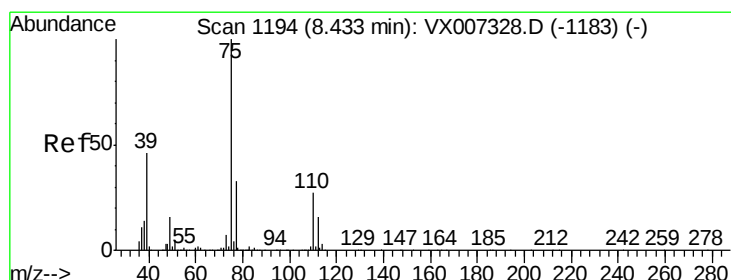
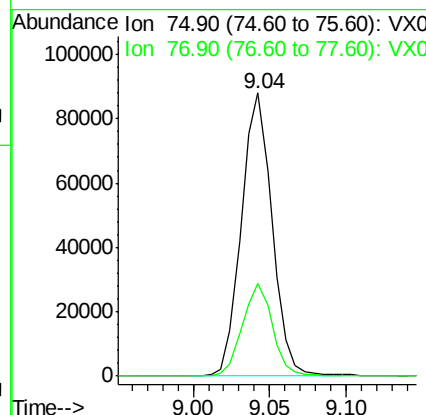
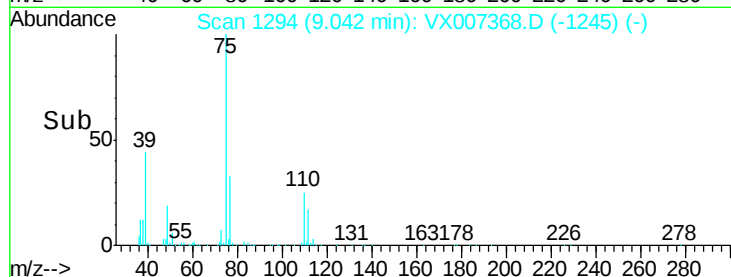
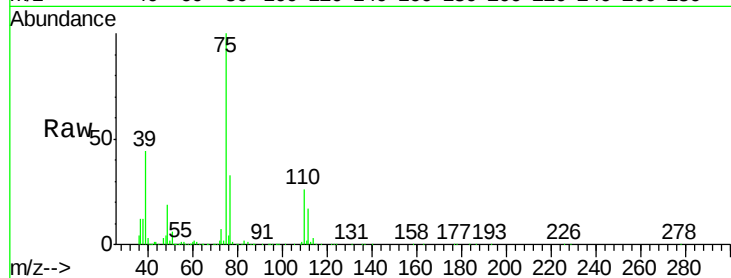
#53
t-1,3-Dichloropropene
Concen: 19.495 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.2	37.8

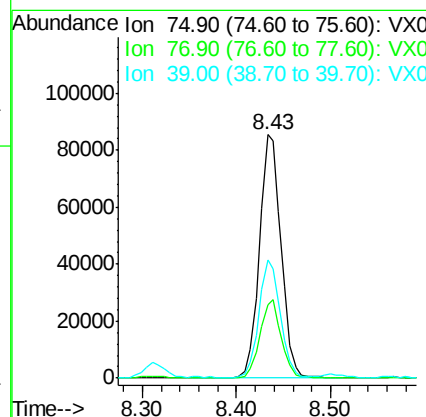
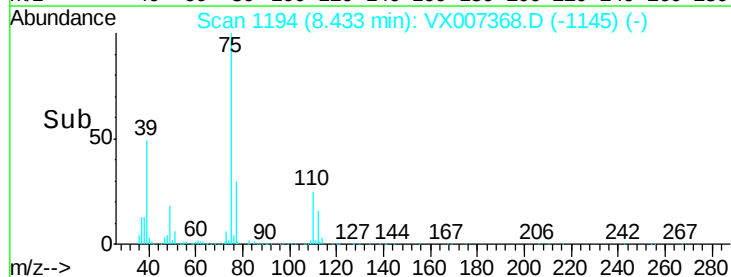
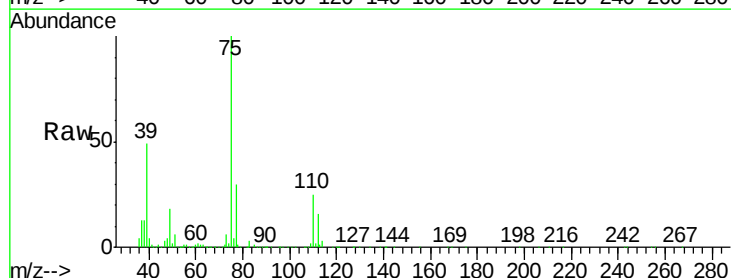
Manual Integrations
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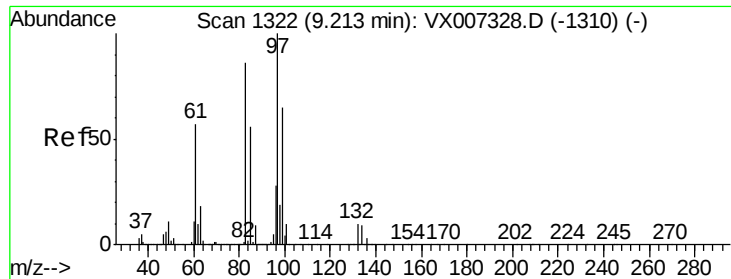
MMDadoda
2/6/2019 9:29:42 AM



#54
cis-1,3-Dichloropropene
Concen: 20.172 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.0	26.2	39.4
39	48.3	37.1	55.7





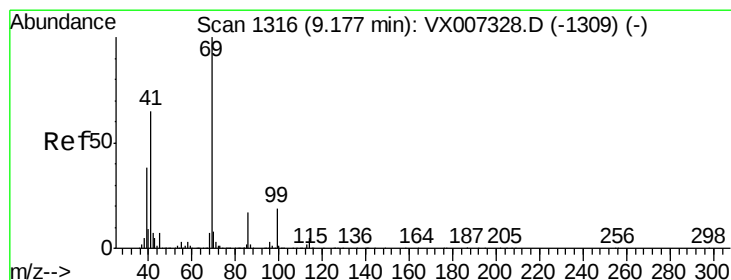
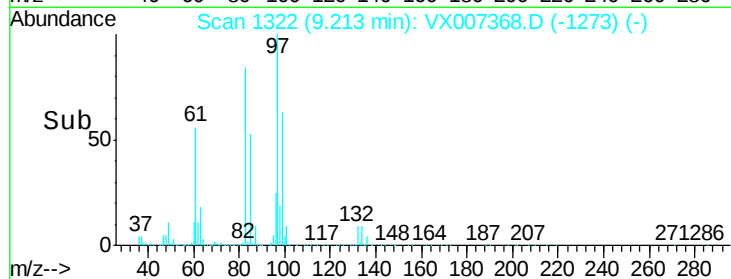
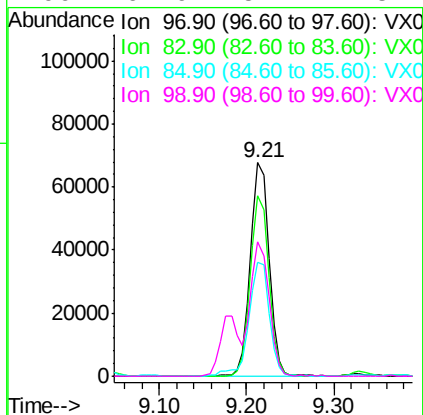
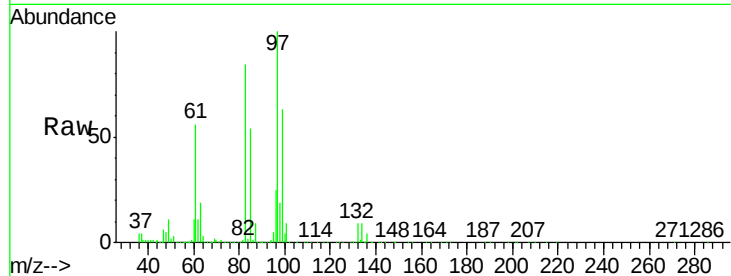
#55
 1,1,2-Trichloroethane
 Concen: 19.869 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0205WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		101237		
83	84.2	68.6	102.8		
85	53.5	44.5	66.7		
99	62.9	52.2	78.4		

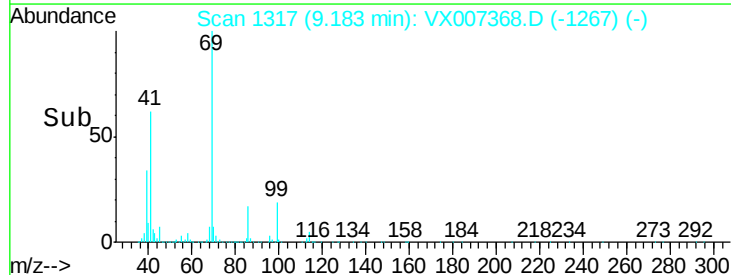
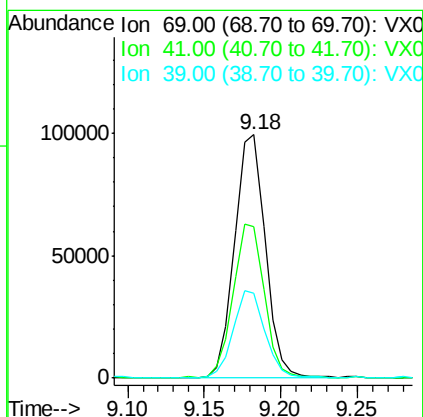
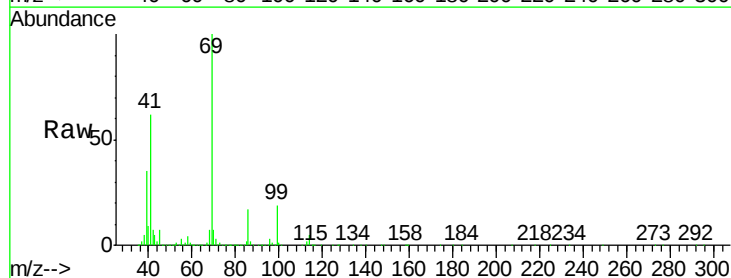
Manual Integrations
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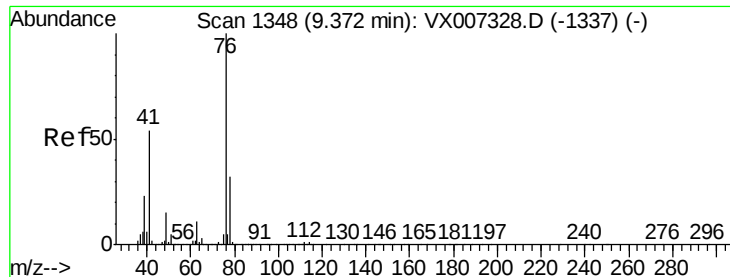
MMDadoda
 2/6/2019 9:29:42 AM



#56
 Ethyl methacrylate
 Concen: 19.740 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		139306		
41	63.9	52.1	78.1		
39	36.6	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 19.854 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion: 76 Resp: 160881

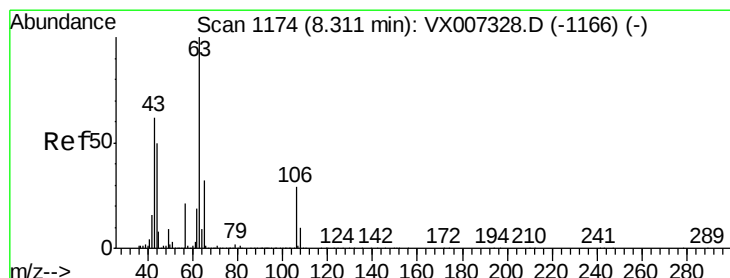
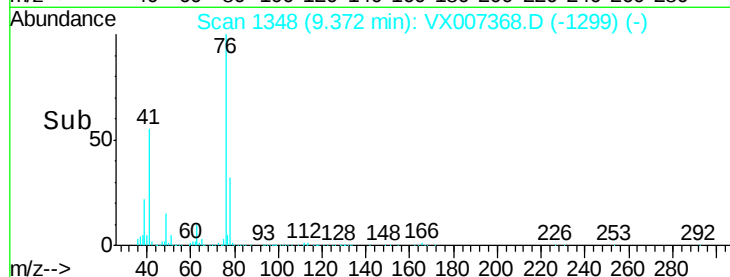
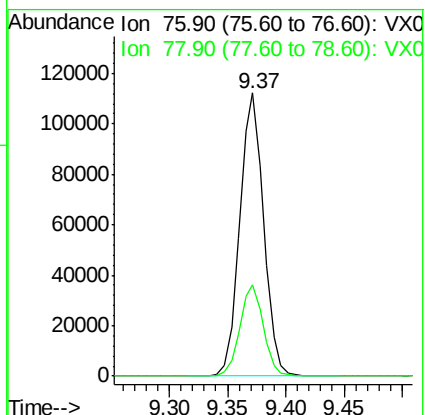
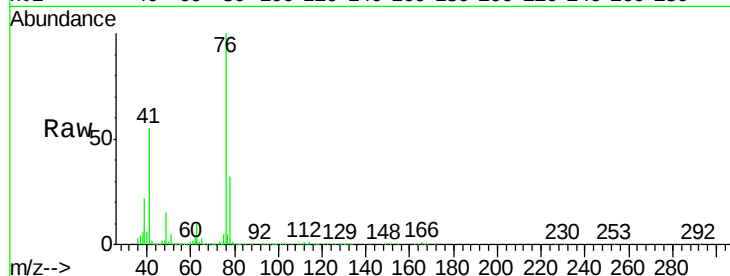
Ion Ratio Lower Upper

76 100

78 31.6 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/6/2019 9:29:42 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.075 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007368.D

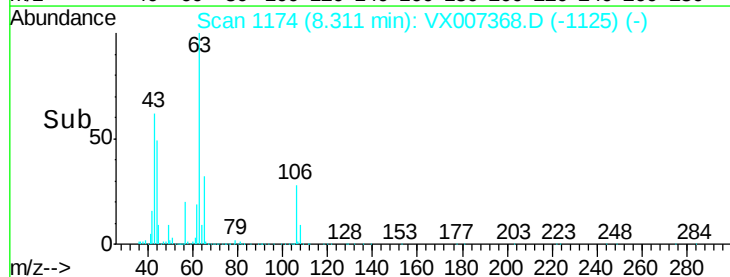
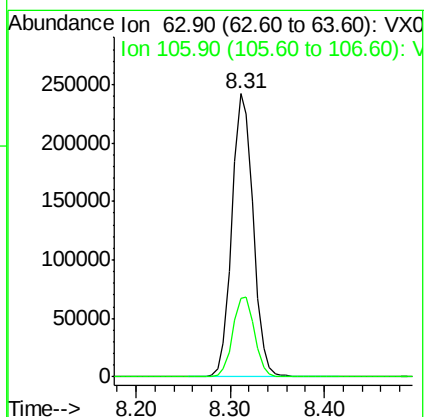
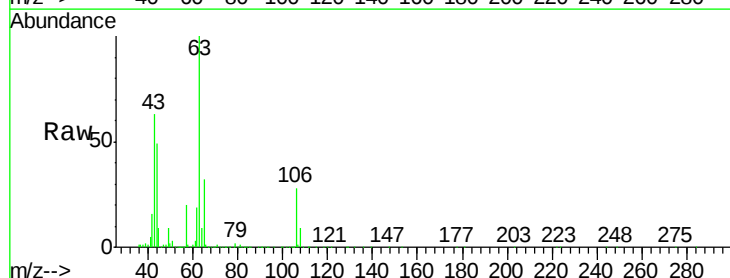
Acq: 05 Feb 2019 11:25

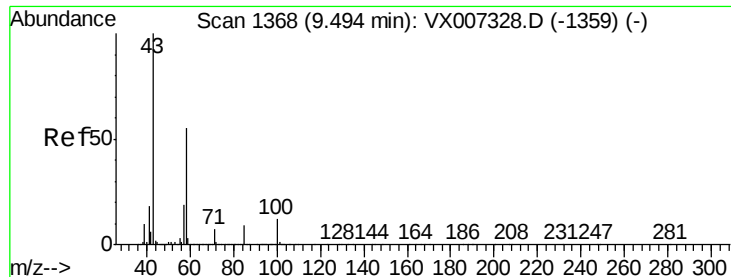
Tgt Ion: 63 Resp: 379682

Ion Ratio Lower Upper

63 100

106 28.9 23.6 35.4





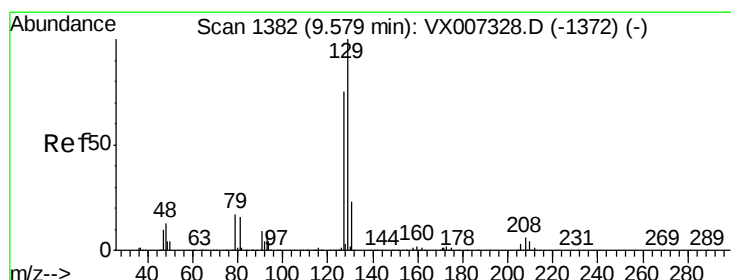
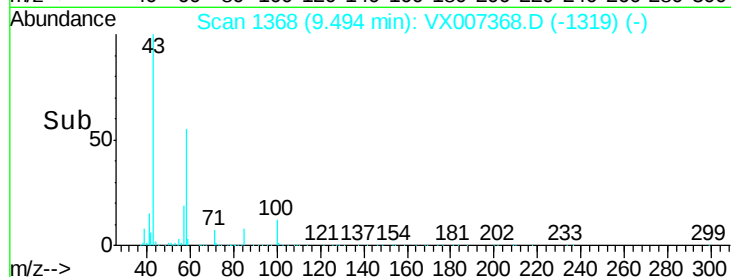
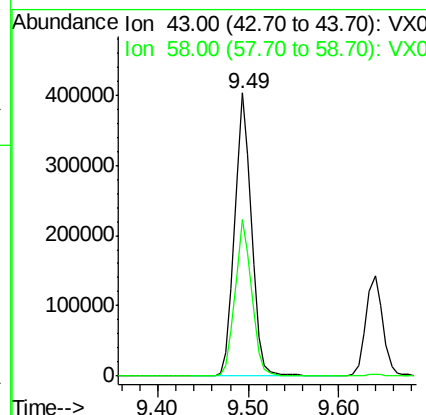
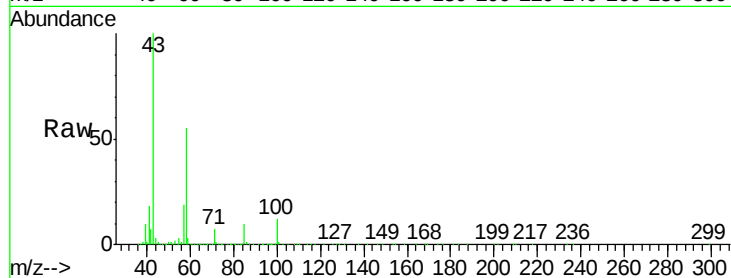
#59
2-Hexanone
Concen: 101.015 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.1	81.3

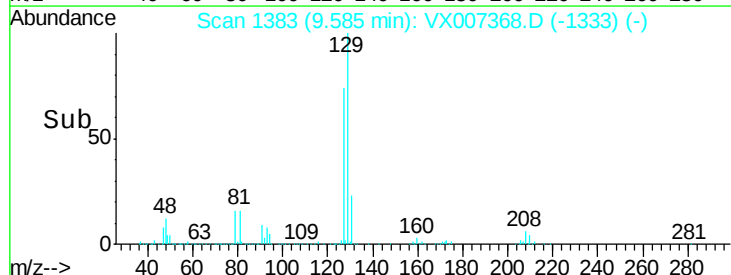
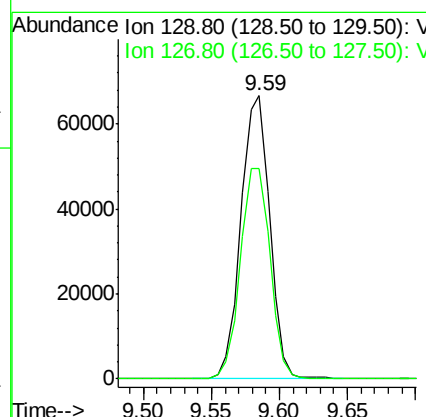
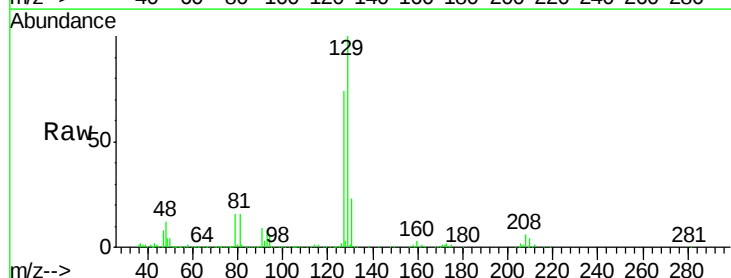
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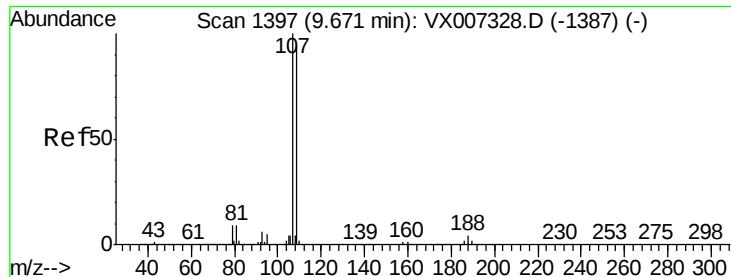
MMDadoda
2/6/2019 9:29:42 AM



#60
Dibromochloromethane
Concen: 20.453 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	37.8	113.4





#61

1,2-Dibromoethane

Concen: 19.824 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion: 107 Resp: 106972

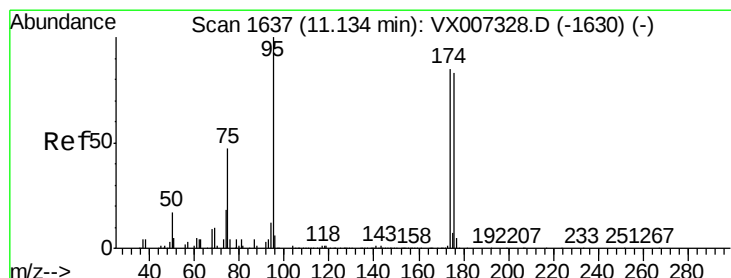
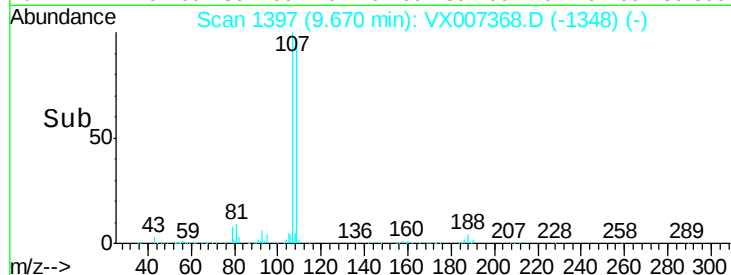
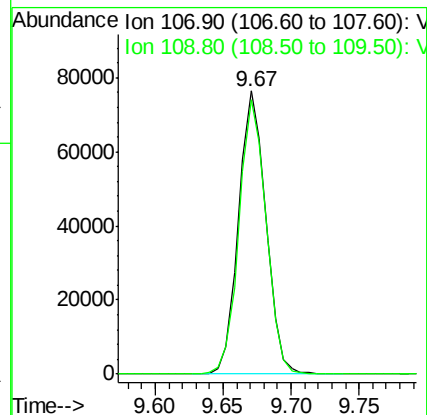
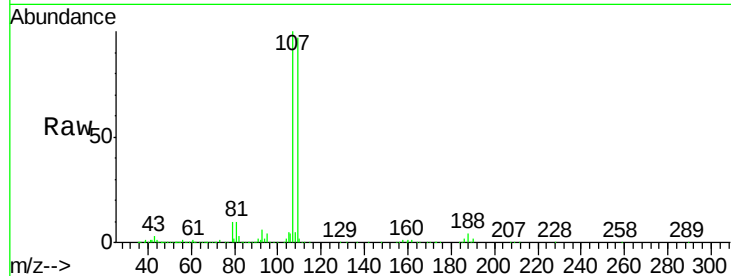
Ion Ratio Lower Upper

107 100

109 96.4 75.1 112.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.691 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

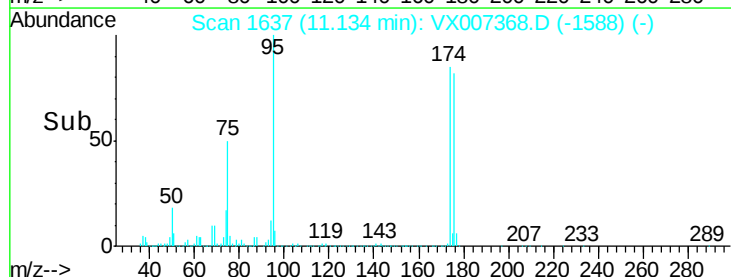
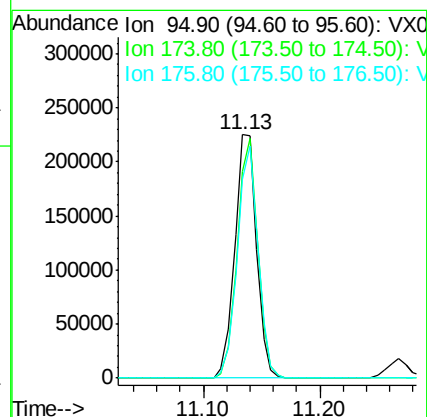
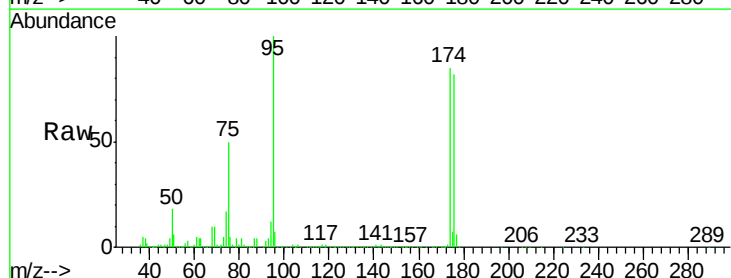
Tgt Ion: 95 Resp: 294992

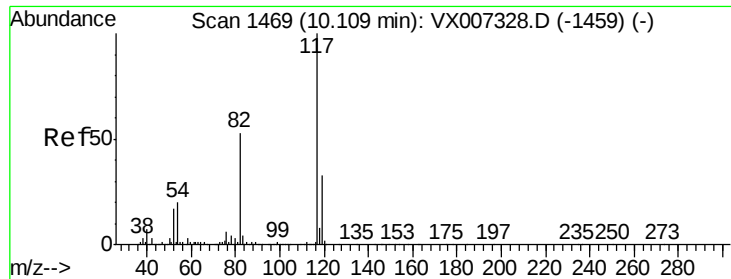
Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

176 90.7 0.0 186.2





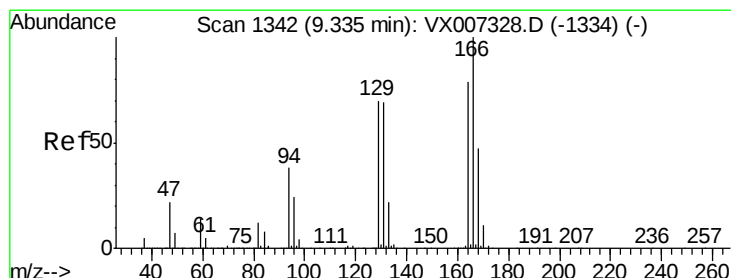
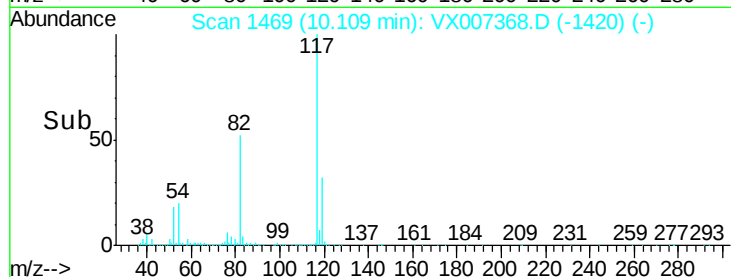
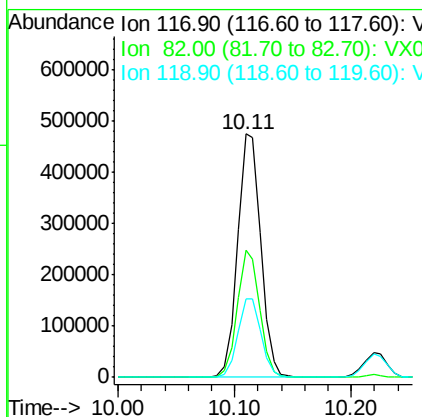
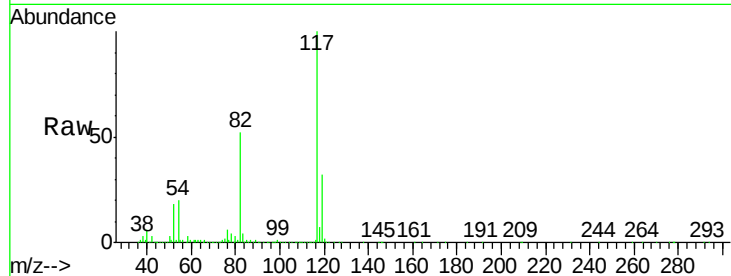
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.1	63.1
119	32.2	26.5	39.7

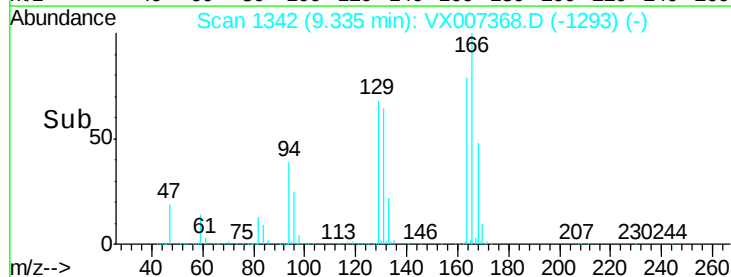
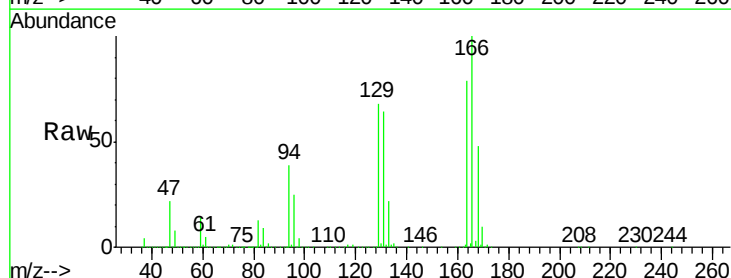
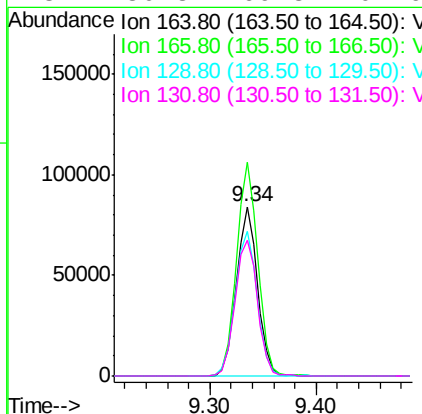
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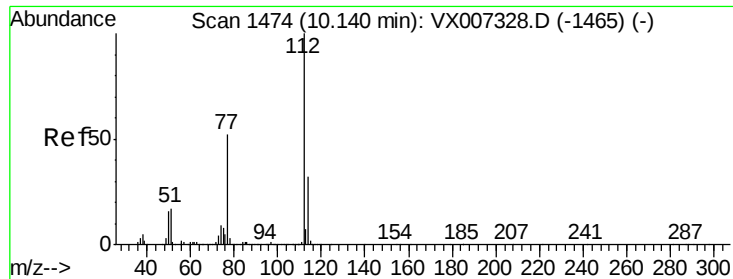
MMDadoda
2/6/2019 9:29:42 AM



#64
Tetrachloroethene
Concen: 18.876 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.0	151.4
129	85.5	70.5	105.7
131	80.3	69.8	104.6





#65

Chlorobenzene

Concen: 19.017 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion:112 Resp: 274046

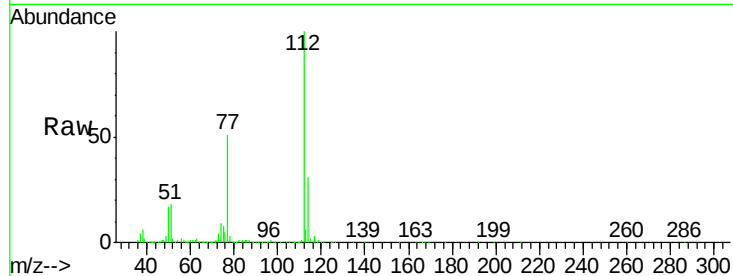
Ion Ratio Lower Upper

112 100

114 30.8 25.8 38.6

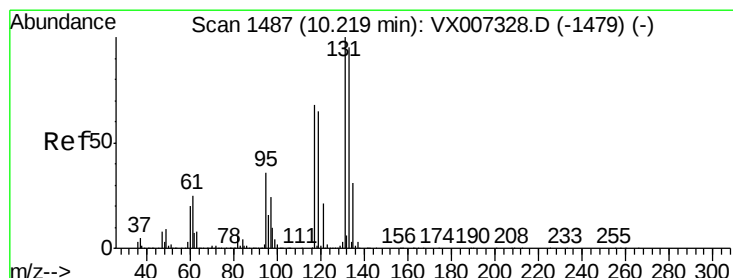
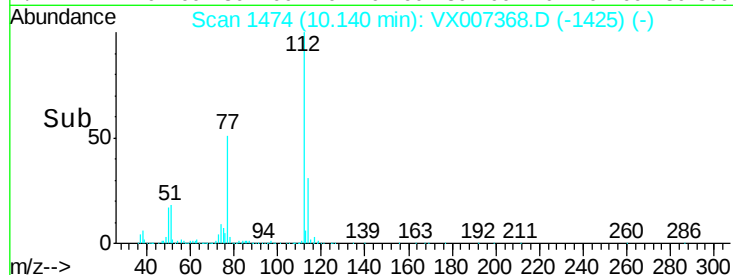
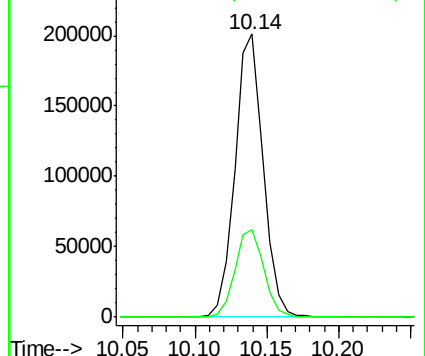
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.845 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

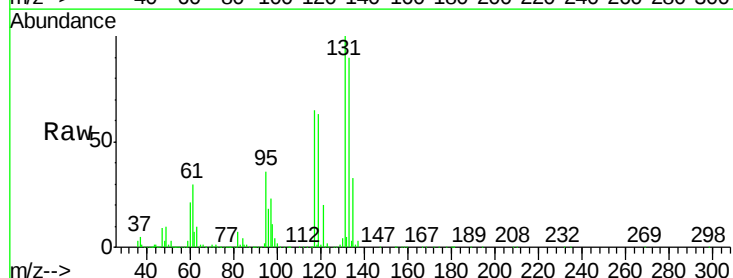
Tgt Ion:131 Resp: 95877

Ion Ratio Lower Upper

131 100

133 94.9 48.0 144.2

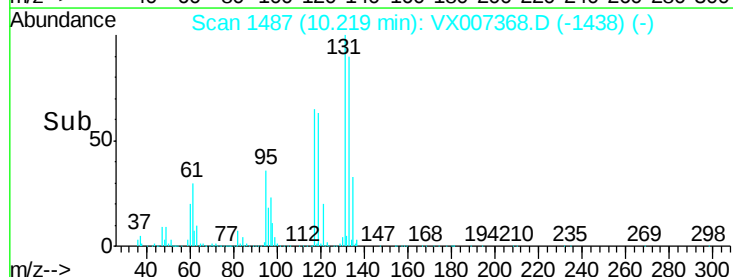
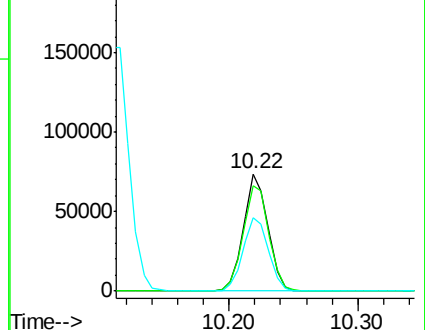
119 65.9 32.0 96.0

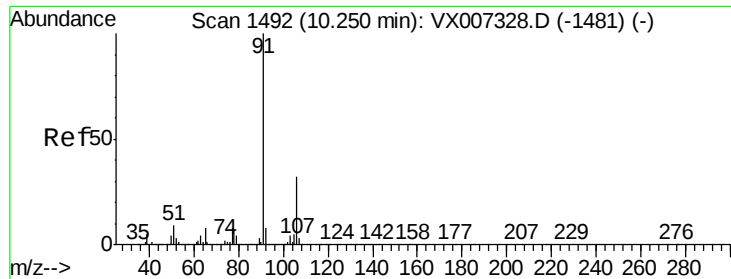


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.439 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion: 91 Resp: 451113

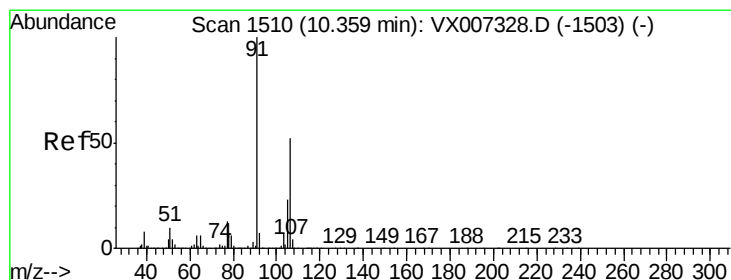
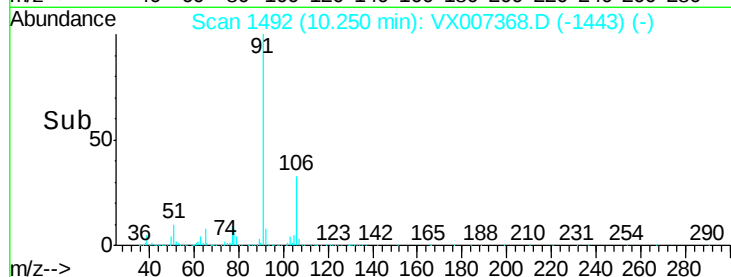
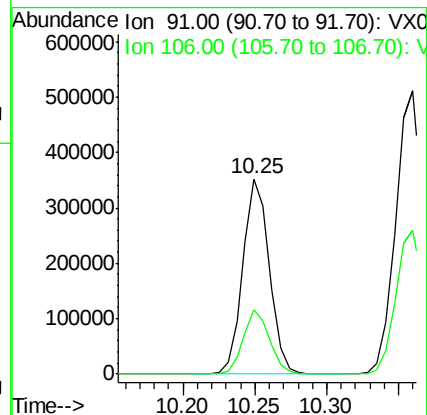
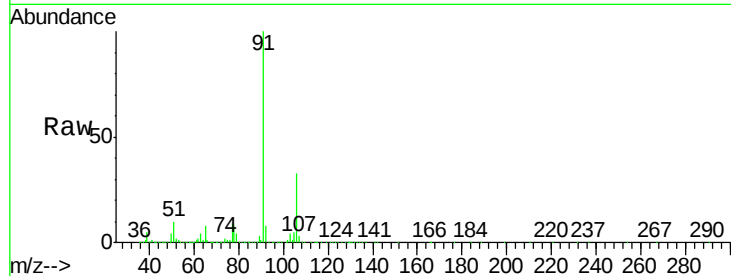
Ion Ratio Lower Upper

91 100

106 33.2 25.4 38.0

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#68

m/p-Xylenes

Concen: 38.414 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007368.D

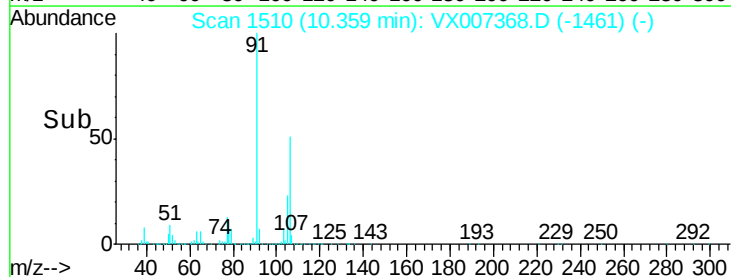
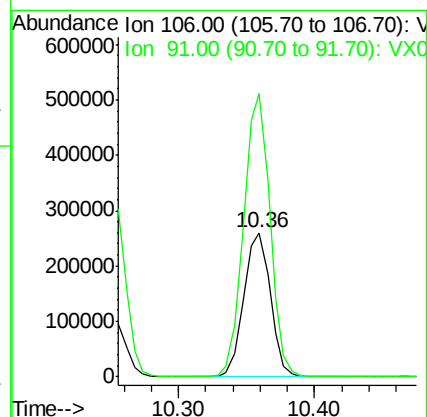
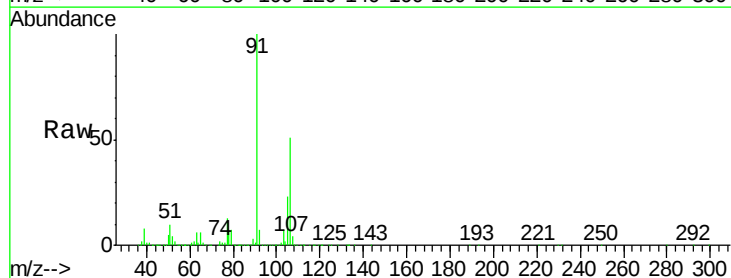
Acq: 05 Feb 2019 11:25

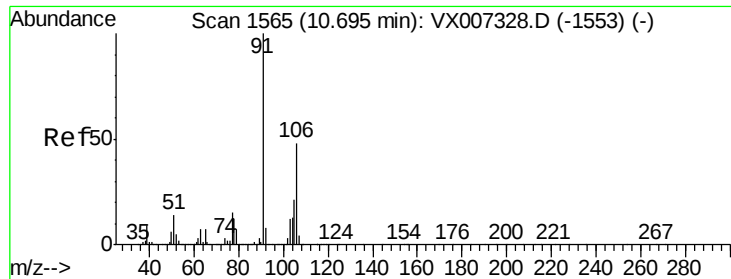
Tgt Ion: 106 Resp: 354363

Ion Ratio Lower Upper

106 100

91 194.6 156.6 234.8





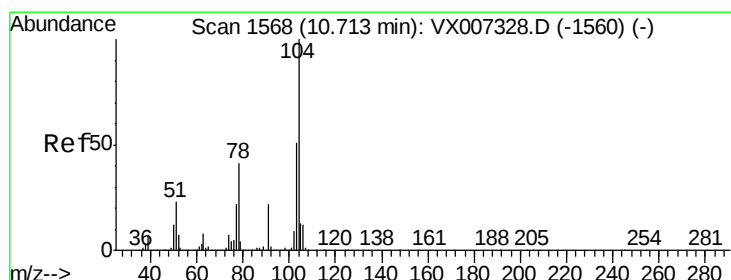
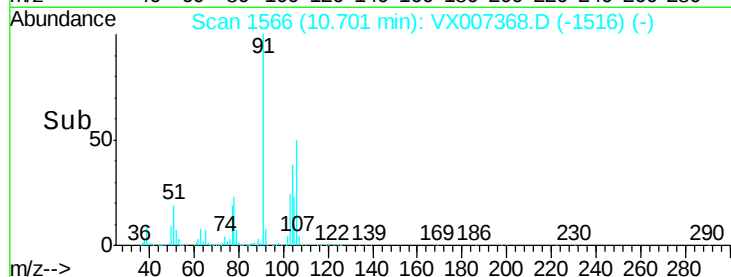
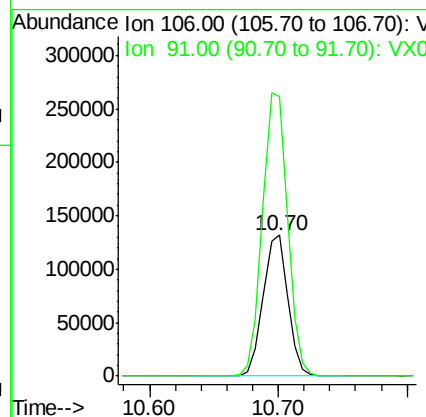
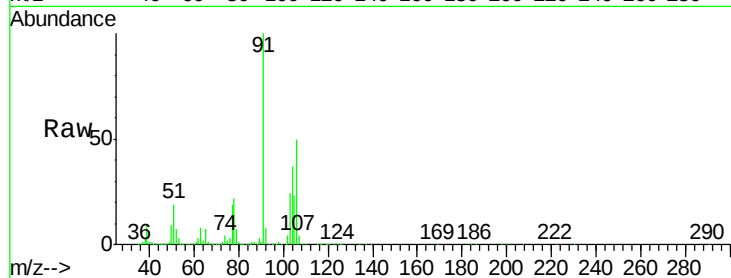
#69
o-Xylene
Concen: 19.659 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion:106 Resp: 174501
Ion Ratio Lower Upper
106 100
91 204.5 102.9 308.7

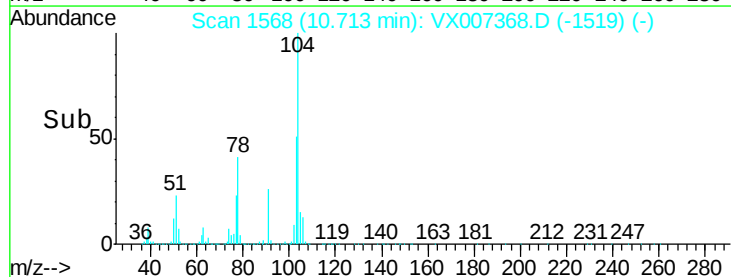
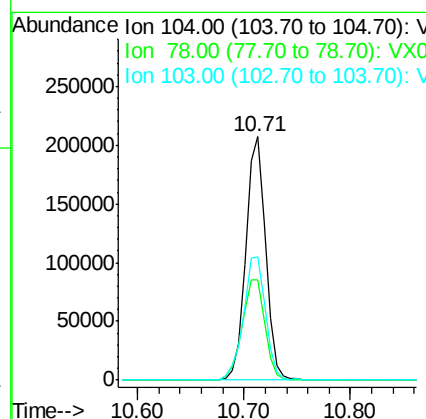
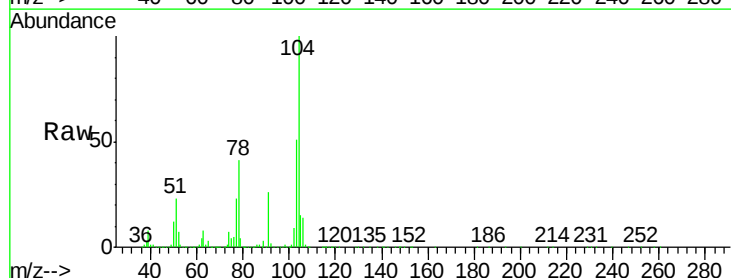
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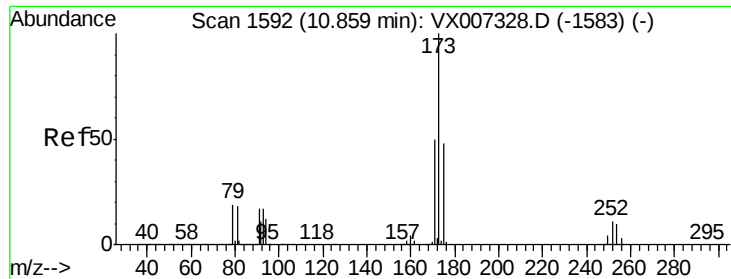
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#70
Styrene
Concen: 18.896 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion:104 Resp: 272021
Ion Ratio Lower Upper
104 100
78 47.4 38.3 57.5
103 56.9 44.6 67.0





#71

Bromoform

Concen: 19.485 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

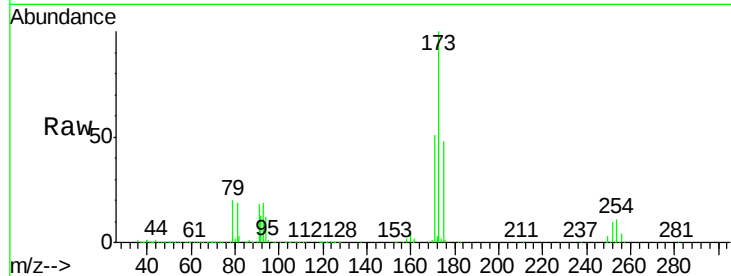
ClientSampleId :

VX0205WBS01

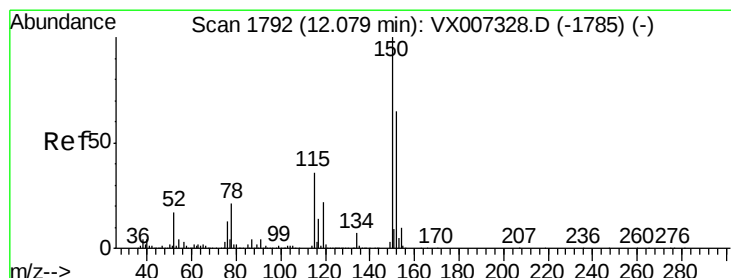
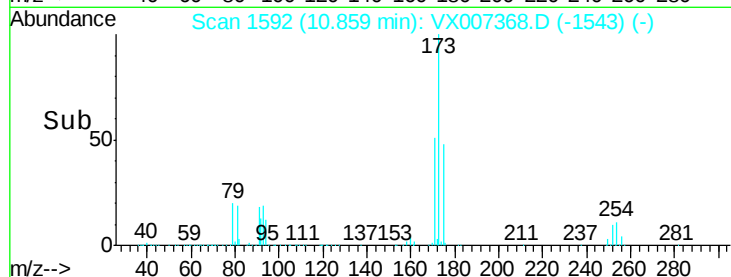
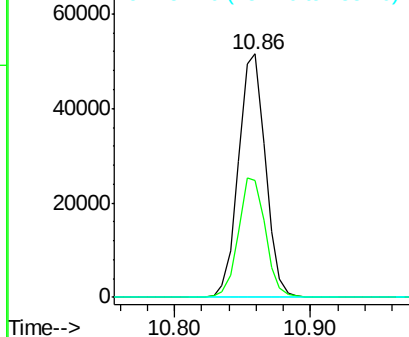
Tot Ion:	173	Resp:	71233
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.2	72.6
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

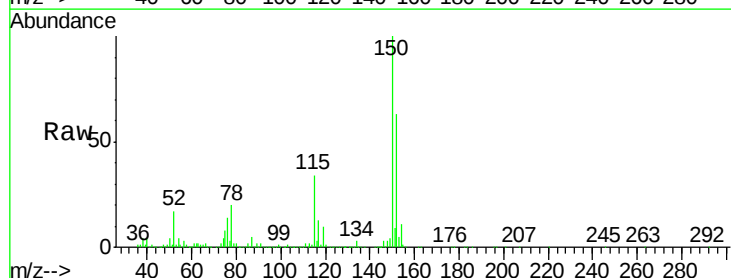
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

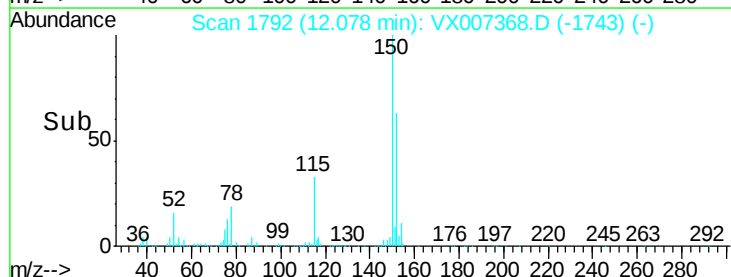
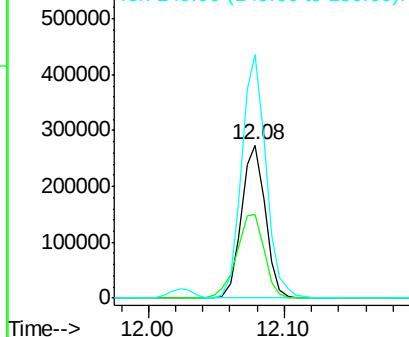
Lab File: VX007368.D

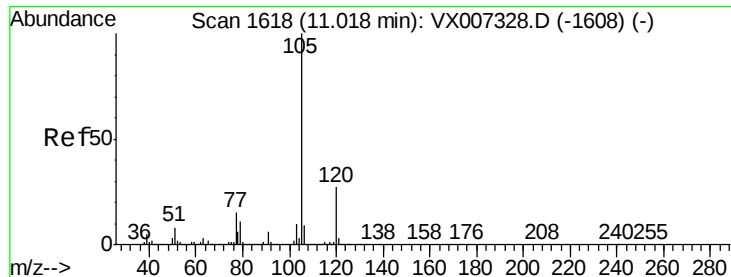
Acq: 05 Feb 2019 11:25

Tgt Ion:	152	Resp:	333170
Ion Ratio	Lower	Upper	
152	100		
115	63.8	38.0	114.0
150	163.0	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: 20.221 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion: 105 Resp: 457823

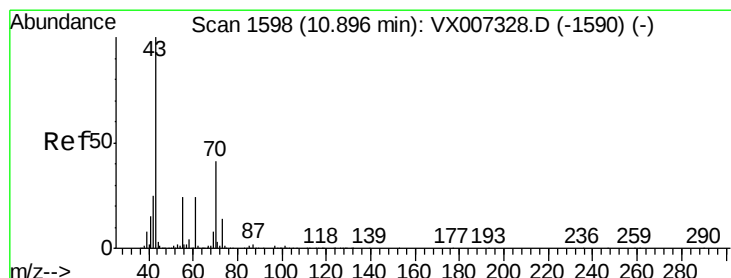
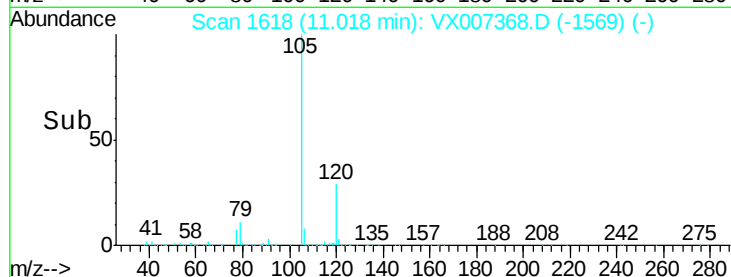
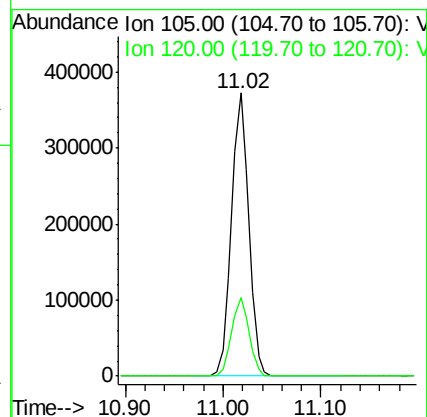
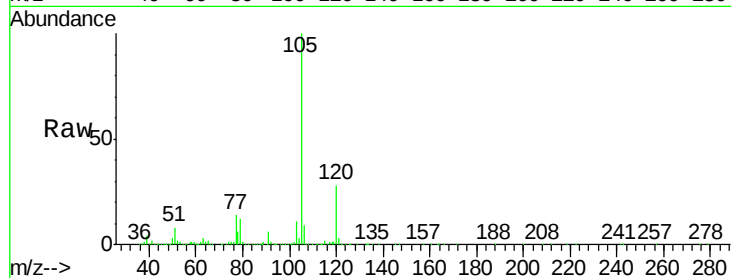
Ion Ratio Lower Upper

105 100

120 28.0 13.6 40.7

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#74

N-ethyl acetate

Concen: 20.050 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion: 43 Resp: 175577

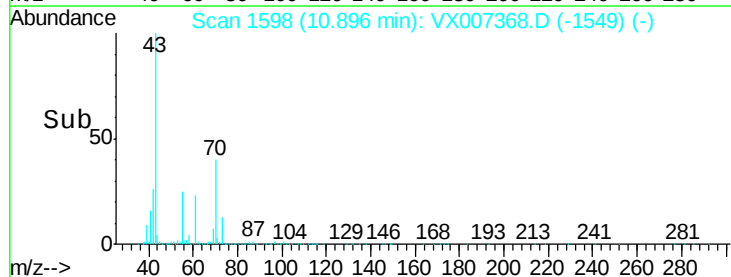
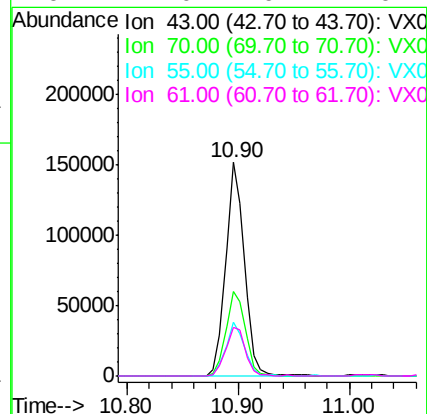
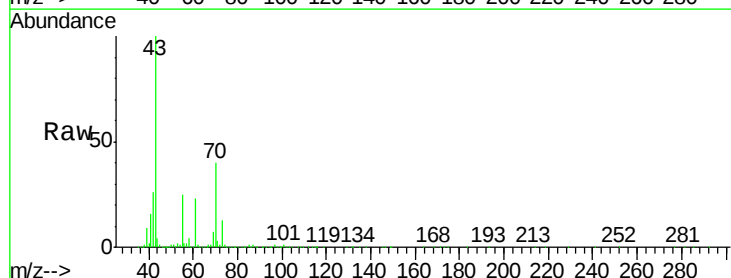
Ion Ratio Lower Upper

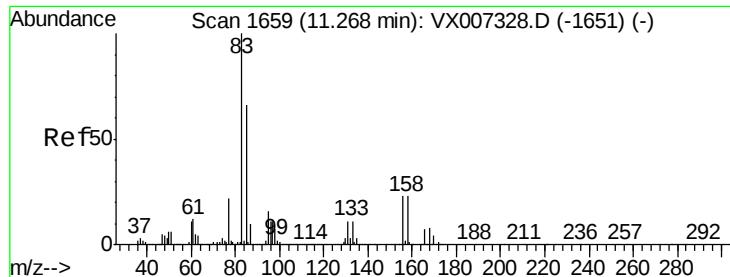
43 100

70 41.0 33.8 50.6

55 25.6 19.5 29.3

61 24.0 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.773 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

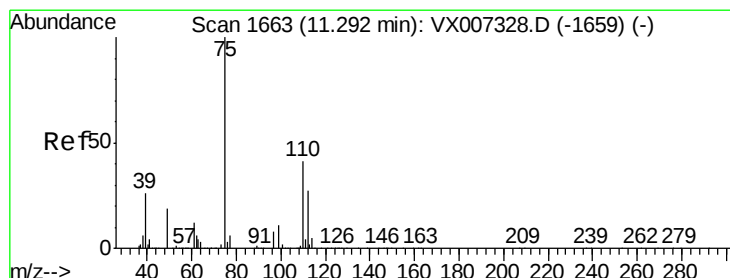
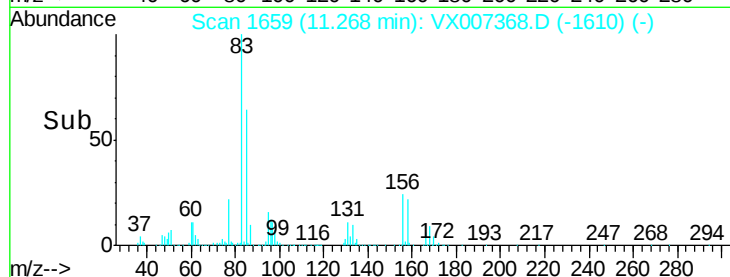
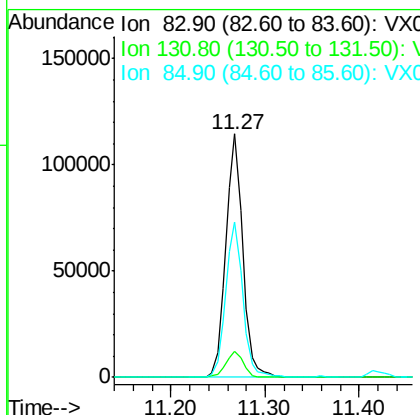
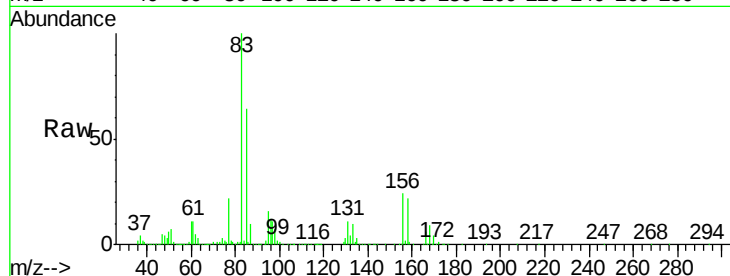
ClientSampleId :

VX0205WBS01

Tot Ion:	83	Resp:	143330
Ion Ratio		Lower	Upper
83	100		
131	11.0	5.7	17.0
85	64.3	32.8	98.3

Manual Integrations
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MMDadoda
2/6/2019 9:29:42 AM



#76

1,2,3-Trichloropropane

Concen: 20.956 ug/l m

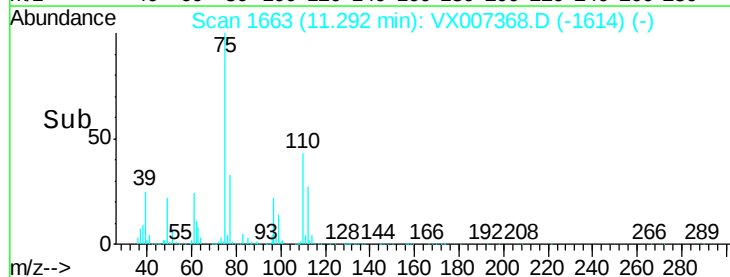
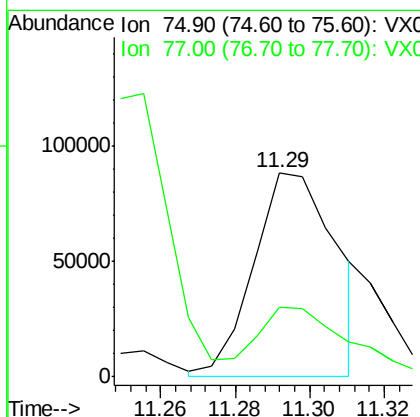
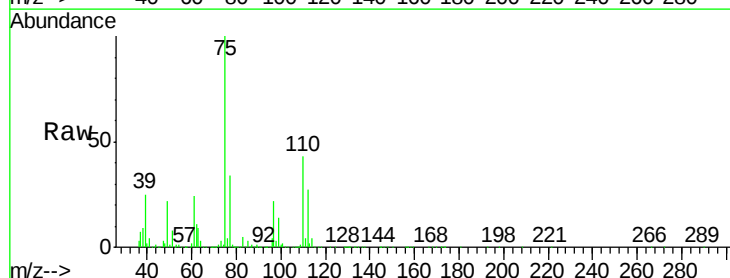
RT: 11.29 min Scan# 1663

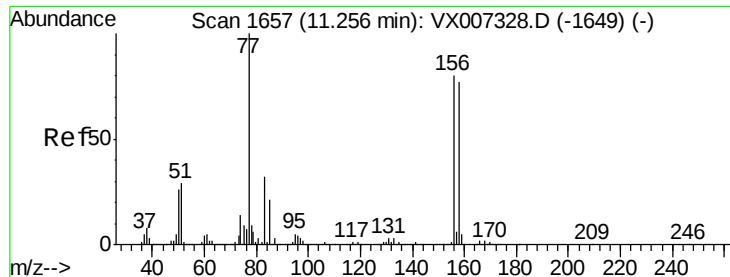
Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion:	75	Resp:	135805
Ion Ratio		Lower	Upper
75	100		
77	39.1	23.0	69.0





#77

Bromobenzene

Concen: 19.601 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion:156 Resp: 125039

Ion Ratio Lower Upper

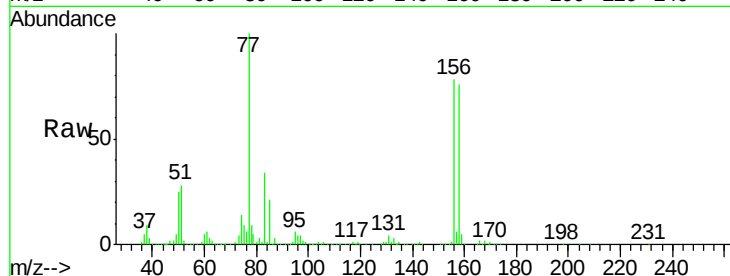
156 100

77 131.3 66.8 200.6

158 97.1 47.9 143.8

Manual Integrations
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2/6/2019 9:29:42 AM

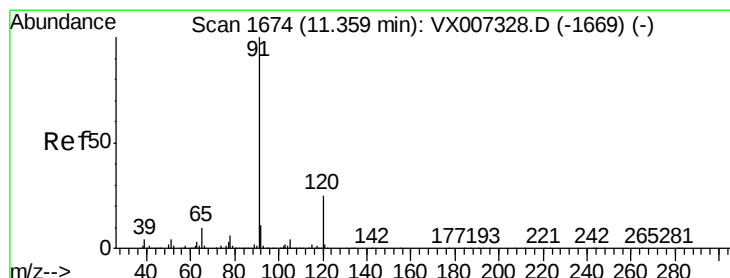
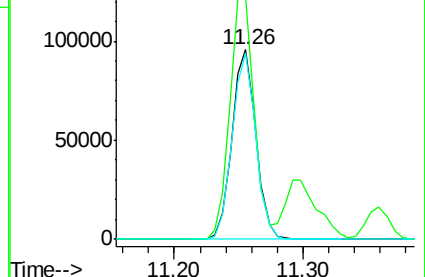
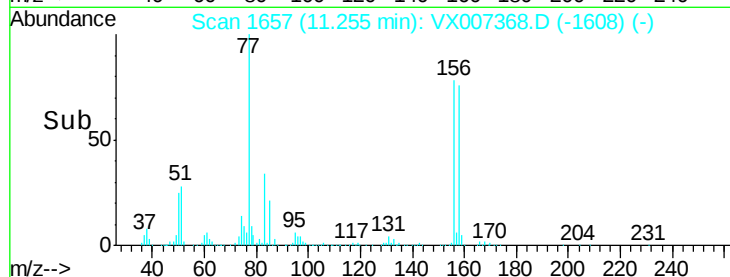


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

11.26



#78

n-propylbenzene

Concen: 20.522 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007368.D

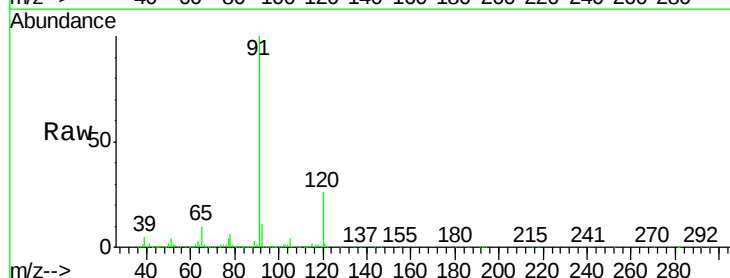
Acq: 05 Feb 2019 11:25

Tgt Ion: 91 Resp: 509506

Ion Ratio Lower Upper

91 100

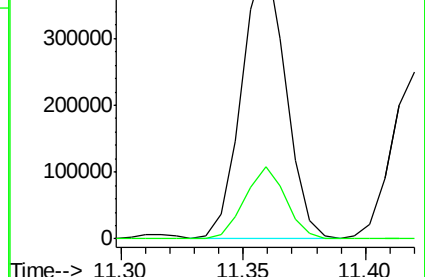
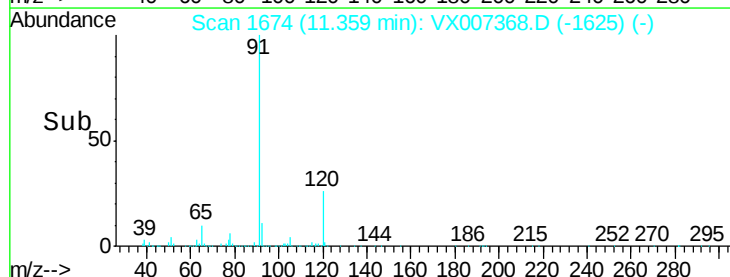
120 25.1 12.4 37.2

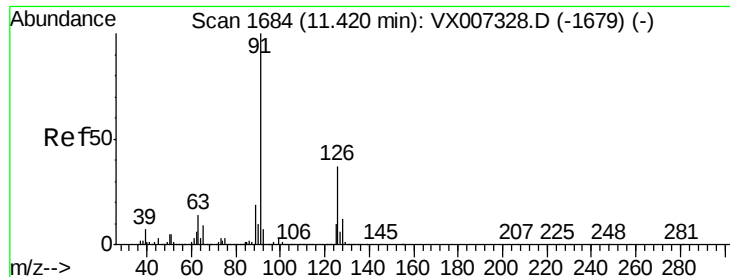


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36





#79

2-Chlorotoluene

Concen: 19.946 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBS01

Tot Ion: 91 Resp: 300480

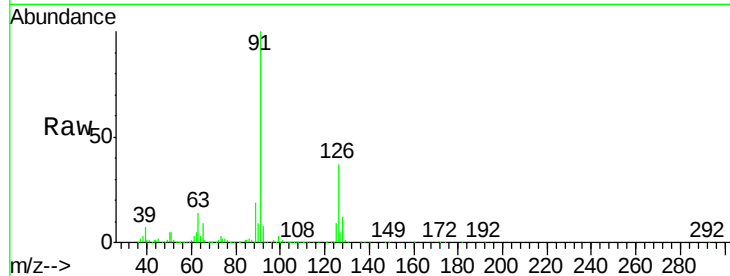
Ion Ratio Lower Upper

91 100

126 37.6 18.7 56.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007328.D (-1679) (-)

500000

400000

300000

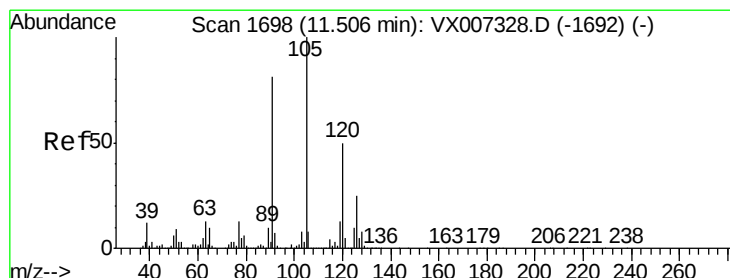
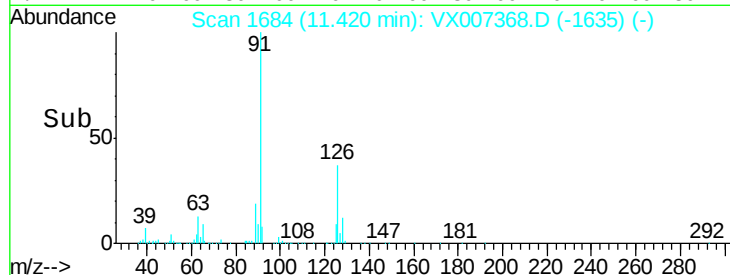
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.334 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007368.D

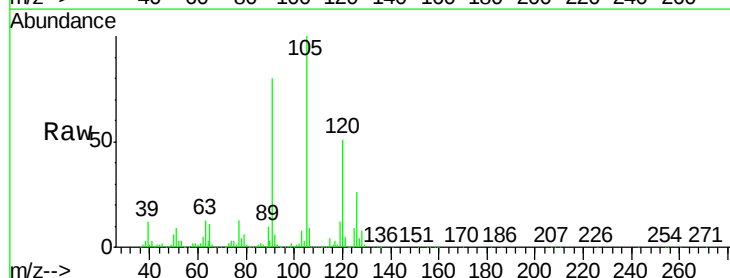
Acq: 05 Feb 2019 11:25

Tgt Ion: 105 Resp: 376638

Ion Ratio Lower Upper

105 100

120 50.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007328.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007328.D (-1692) (-)

300000

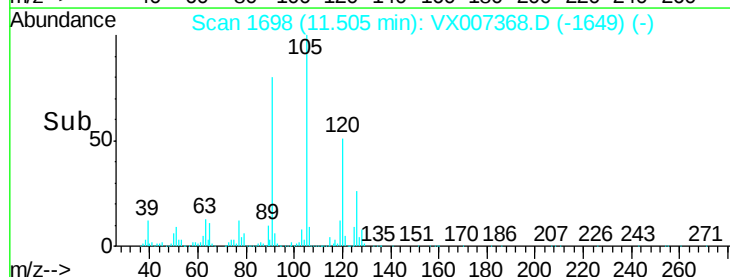
200000

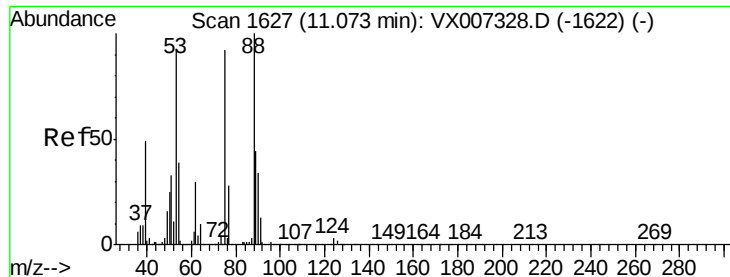
100000

0

11.50 11.51 11.60

Time-->





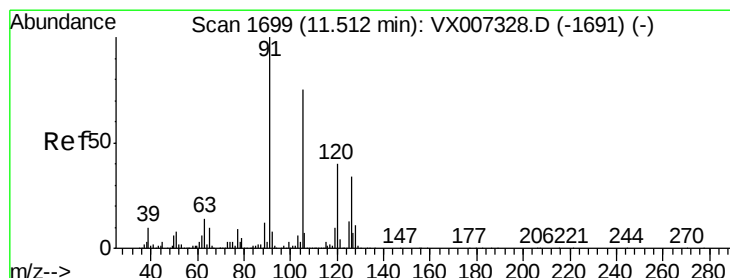
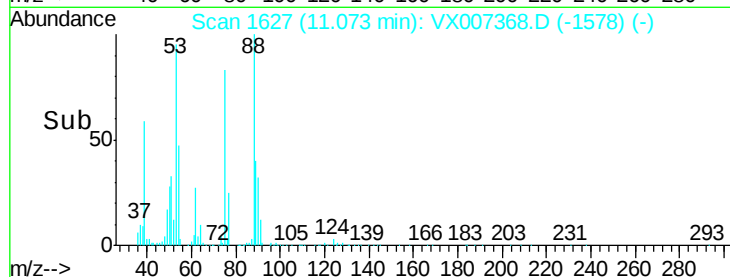
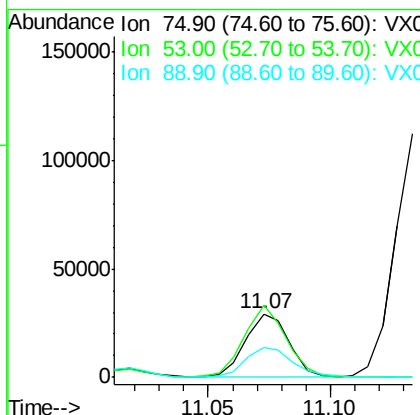
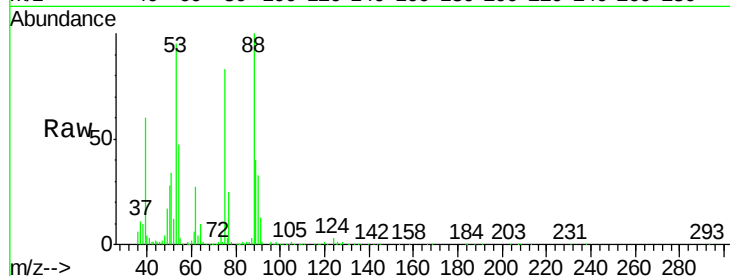
#81
trans-1,4-Dichloro-2-butene
Concen: 20.067 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.2	81.0	121.6
89	52.7	41.4	62.0

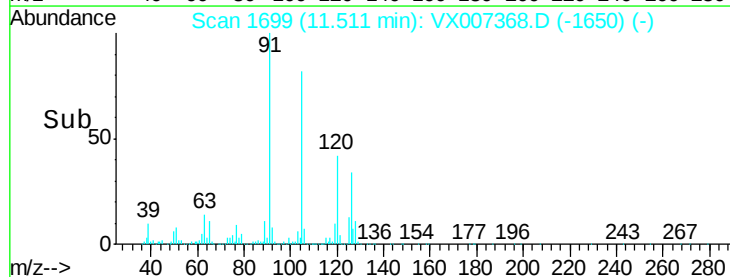
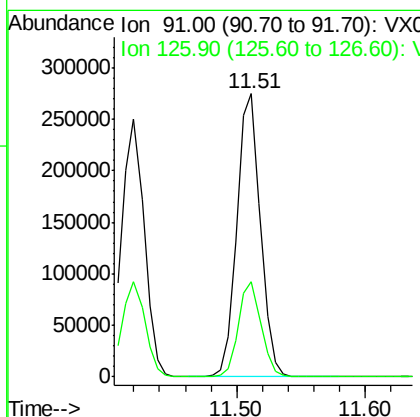
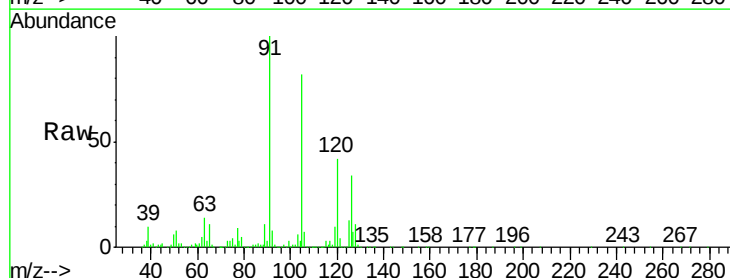
Manual Integrations
APPROVED

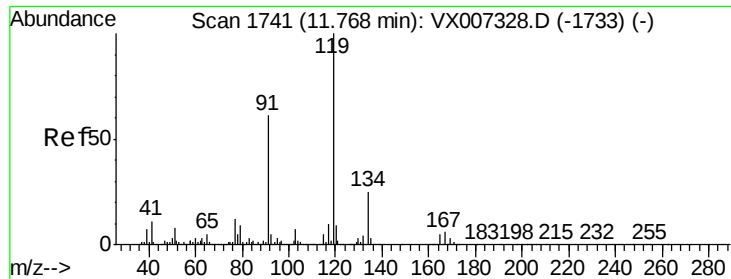
MMDadoda
2/6/2019 9:29:42 AM



#82
4-Chlorotoluene
Concen: 19.958 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5





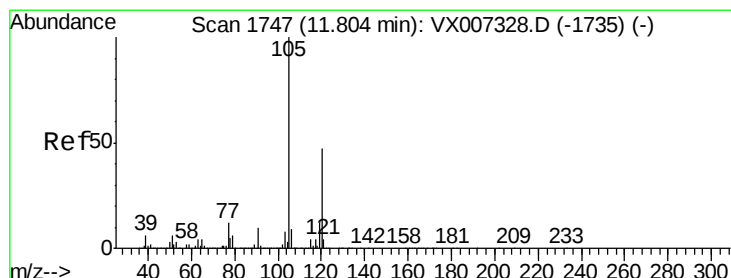
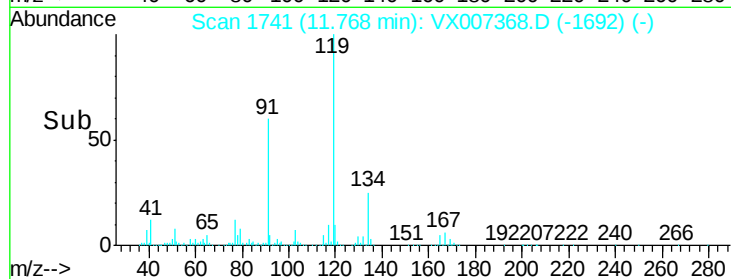
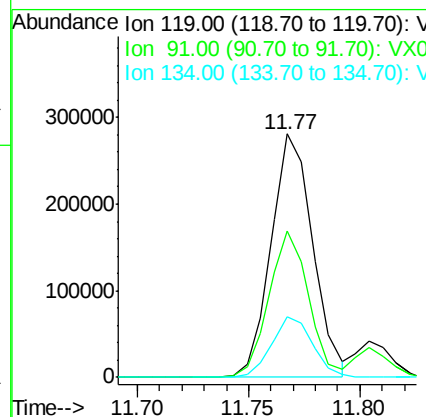
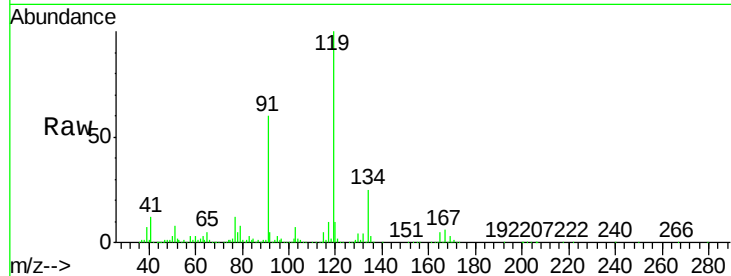
#83
tert-Butylbenzene
Concen: 19.928 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	365452		
91	57.1	28.5	85.6	
134	24.4	12.0	36.0	

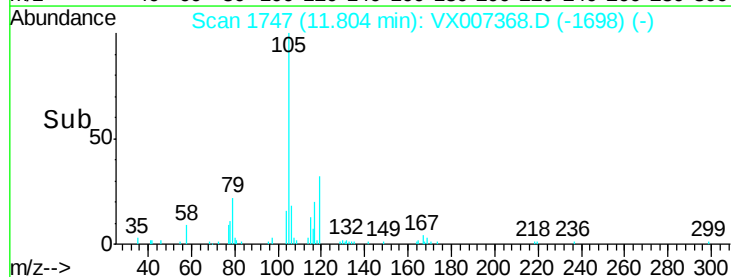
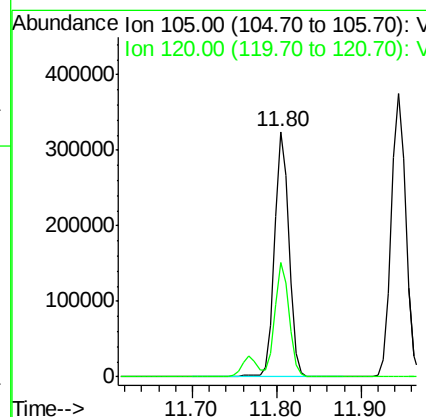
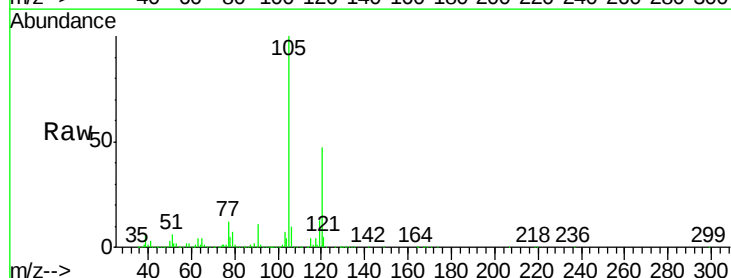
Manual Integrations
APPROVED

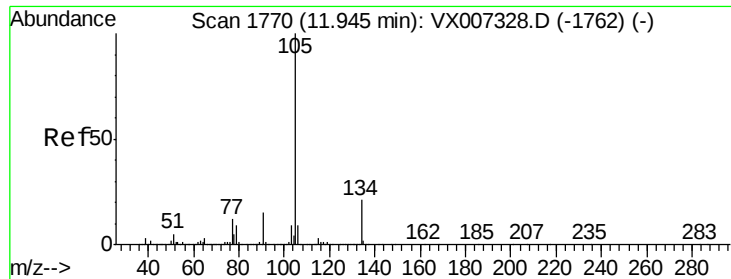
MMDadoda
2/6/2019 9:29:42 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.625 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	387848		
120	45.6	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.489 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0205WBS01

Tot Ion:105 Resp: 454768

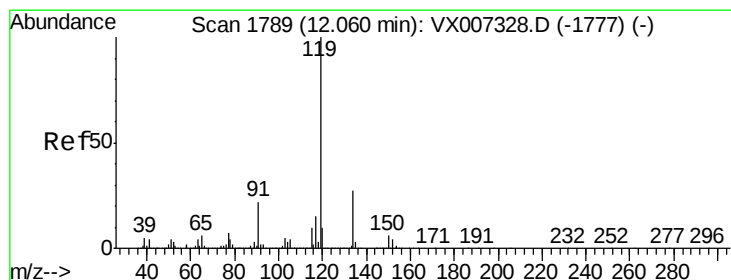
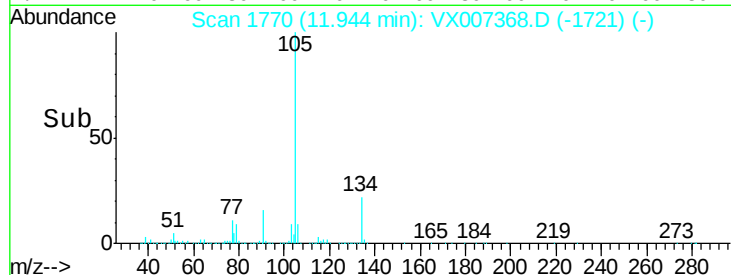
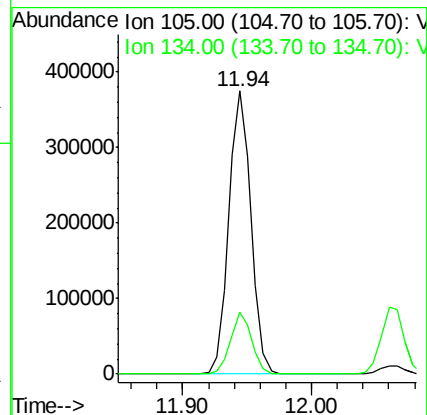
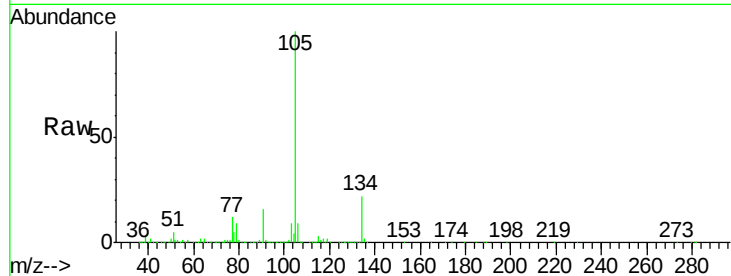
Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8

Manual Integrations
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2/6/2019 9:29:42 AM



#86

p-Isopropyltoluene

Concen: 20.097 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

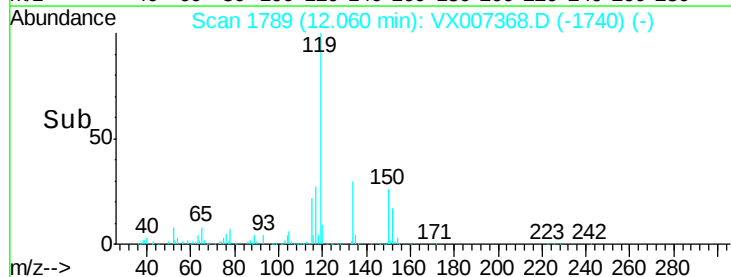
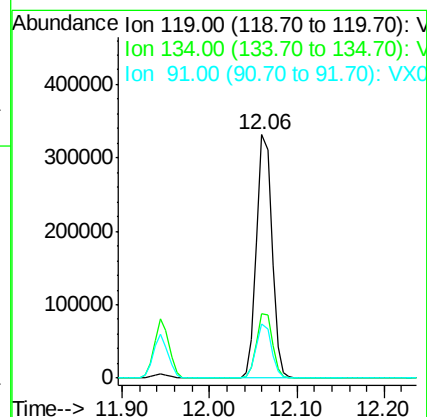
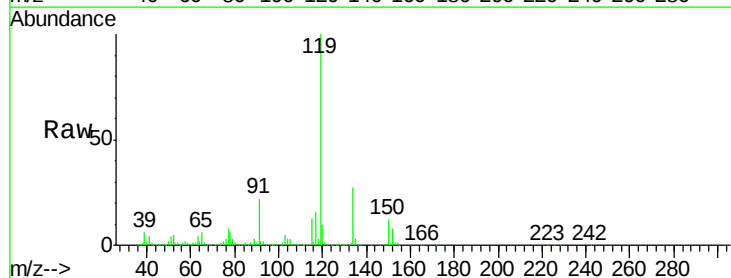
Tgt Ion:119 Resp: 402656

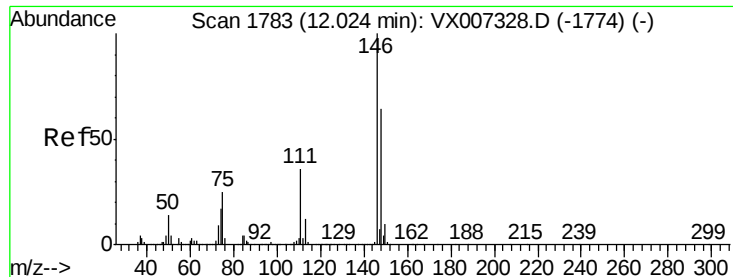
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 22.3 11.2 33.5





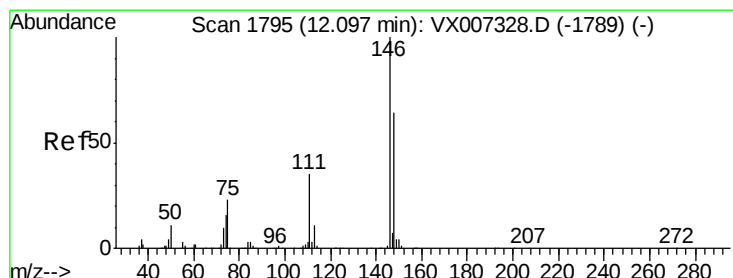
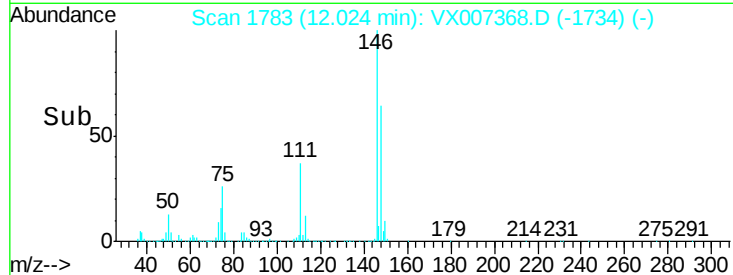
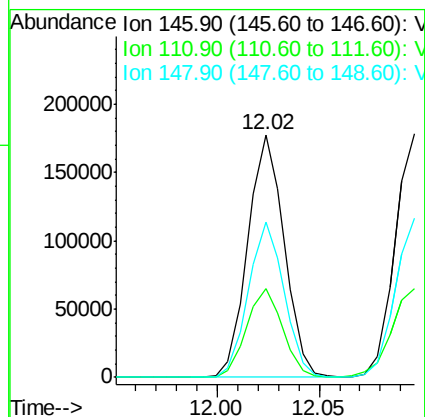
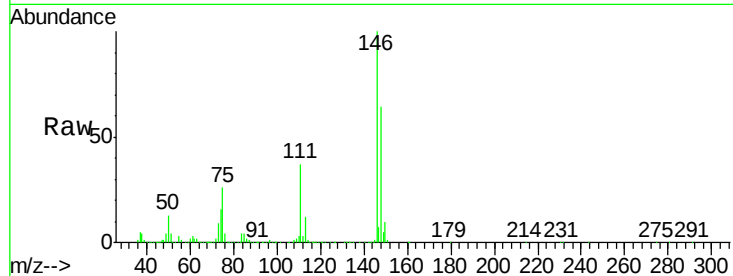
#87
 1,3-Dichlorobenzene
 Concen: 19.272 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	63.1	32.0	96.2

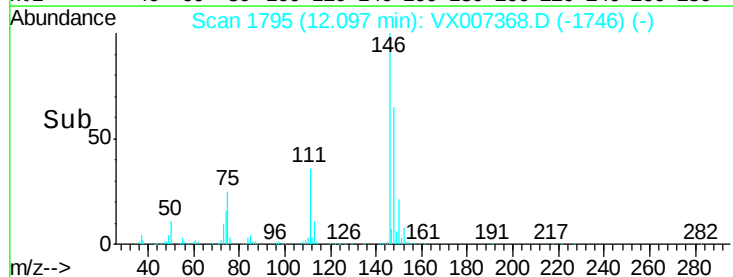
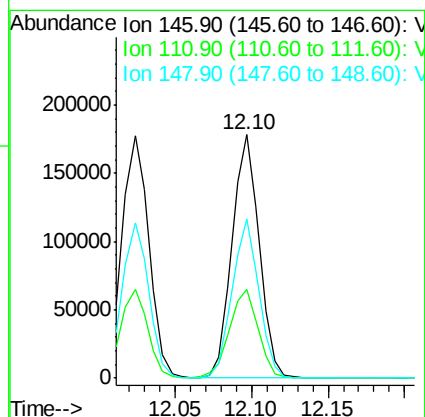
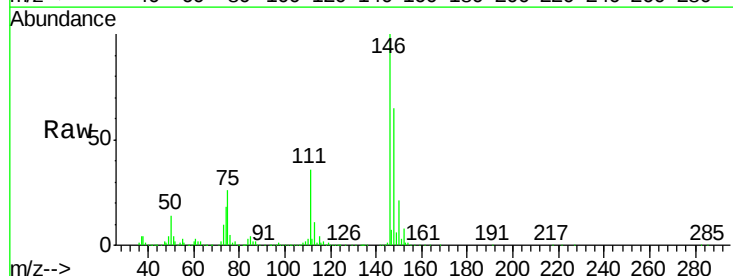
Manual Integrations
 APPROVED

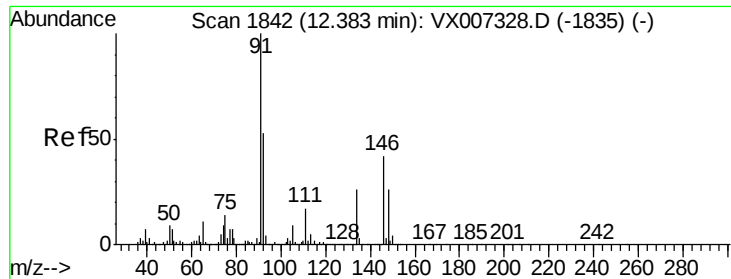
MMDadoda
 2/6/2019 9:29:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.786 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.1	54.1
148	64.9	32.3	96.9





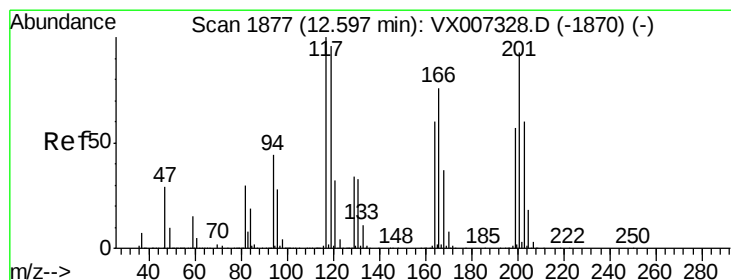
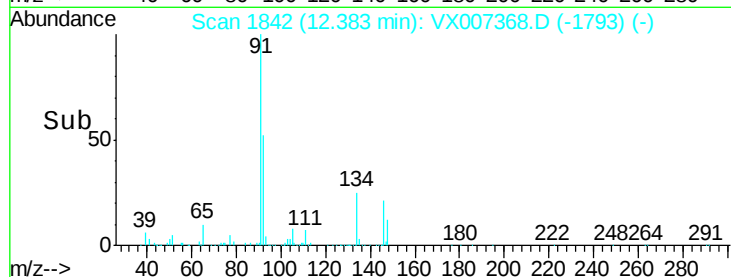
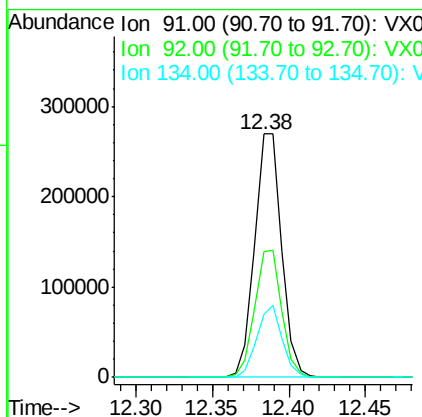
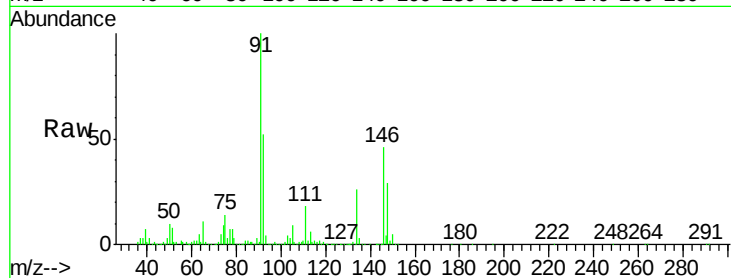
#89
n-Butylbenzene
Concen: 19.242 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	27.8	13.9	41.6

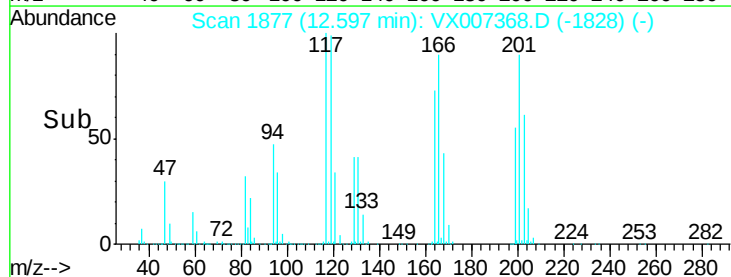
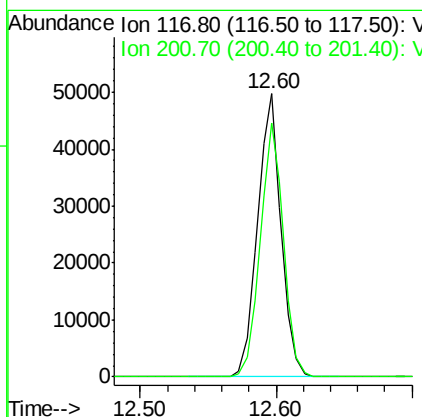
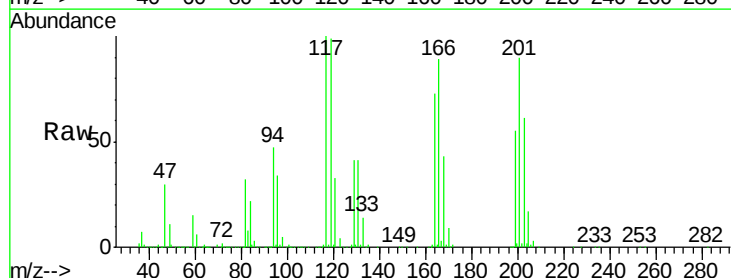
Manual Integrations
APPROVED

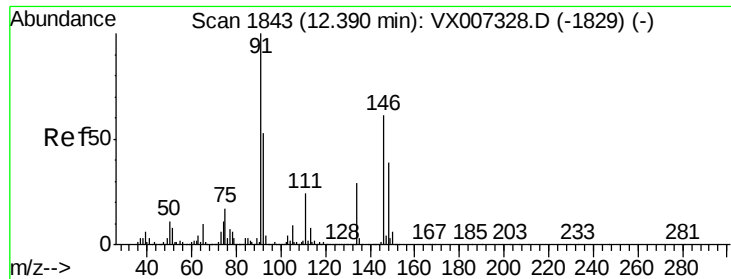
MMDadoda
2/6/2019 9:29:42 AM



#90
Hexachloroethane
Concen: 20.200 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007368.D
Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 19.292 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

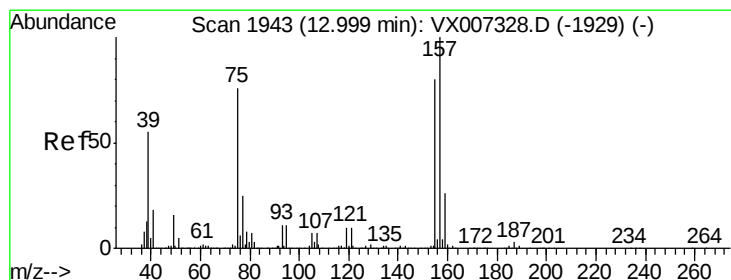
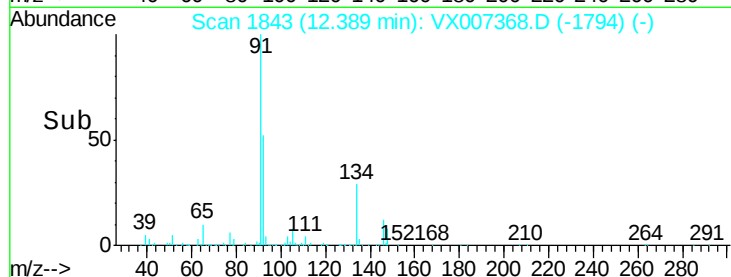
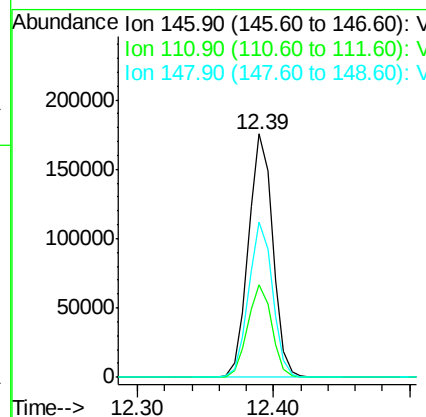
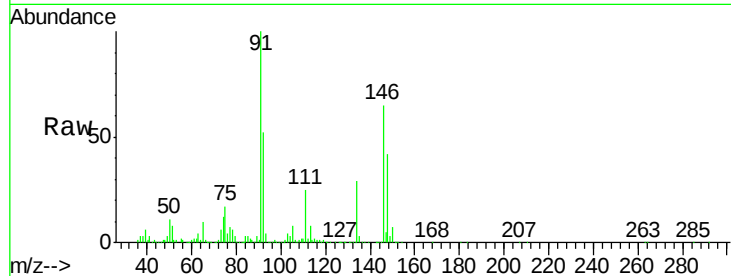
ClientSampleId :

VX0205WBS01

Tot Ion:	146	Resp:	219804
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.1	57.3
148	62.9	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.201 ug/l

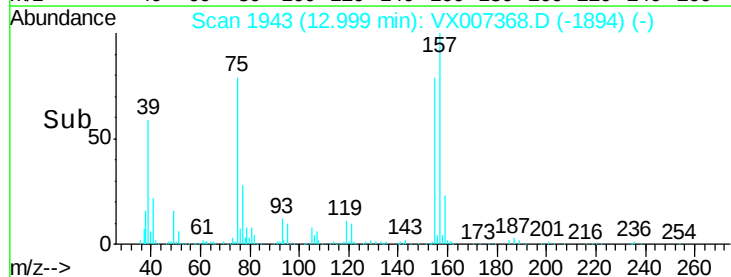
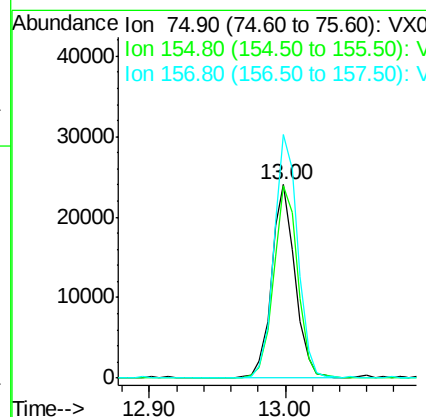
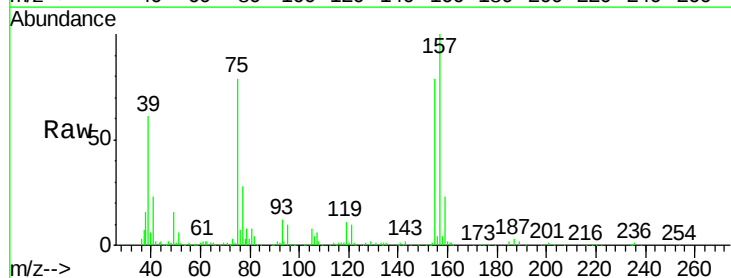
RT: 13.00 min Scan# 1943

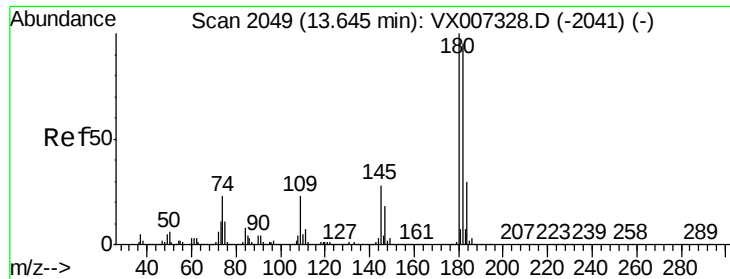
Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion:	75	Resp:	28982
Ion Ratio	Lower	Upper	
75	100		
155	101.8	49.6	149.0
157	127.5	65.1	195.3





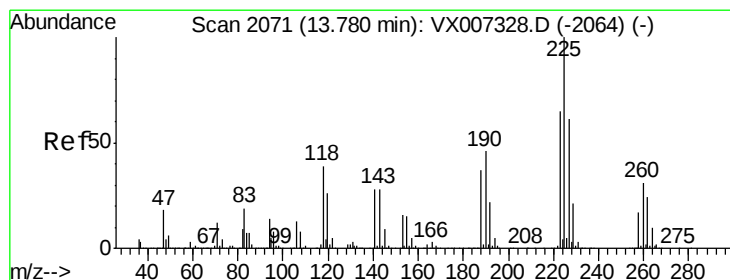
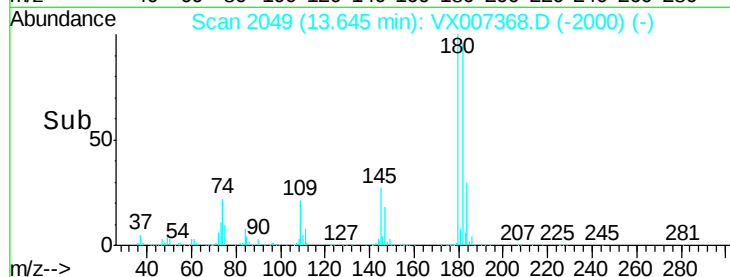
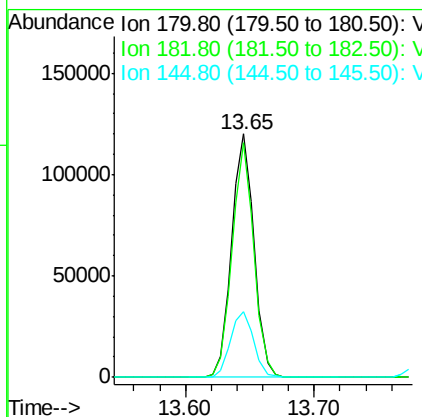
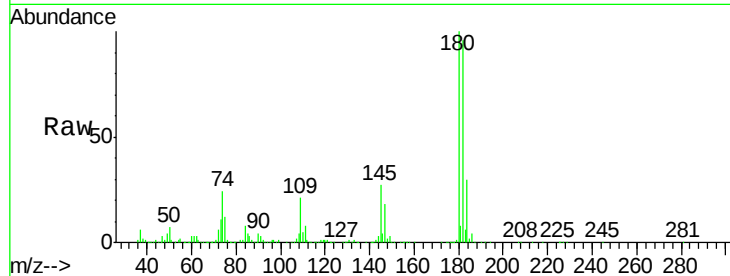
#93
 1,2,4-Trichlorobenzene
 Concen: 19.041 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	146306		
182	93.9	47.8	143.3	
145	28.0	14.1	42.2	

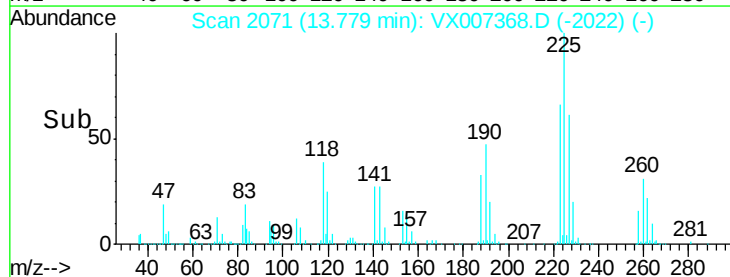
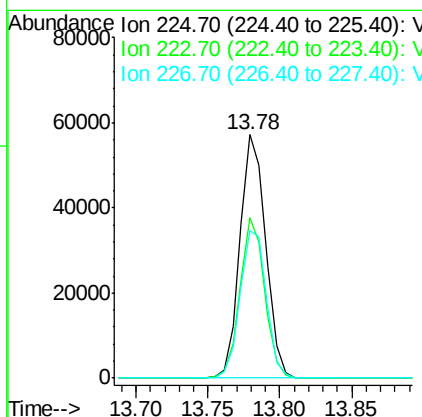
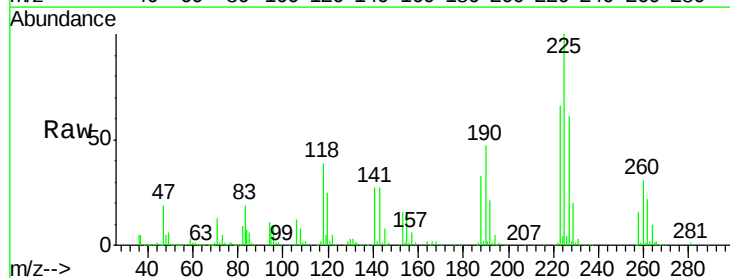
Manual Integrations
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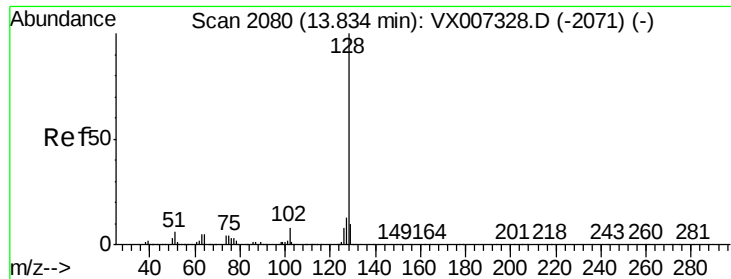
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 2/6/2019 9:29:42 AM



#94
 Hexachlorobutadiene
 Concen: 18.973 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007368.D
 Acq: 05 Feb 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70788		
223	62.9	31.6	94.8	
227	62.0	32.1	96.3	





#95

Naphthalene

Concen: 20.126 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Instrument :

MSVOA_X

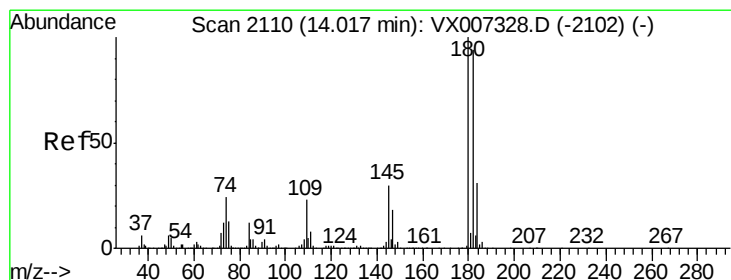
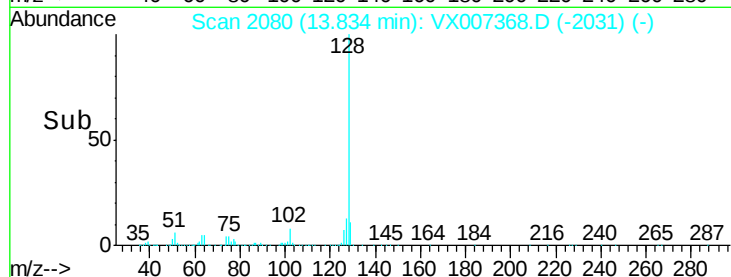
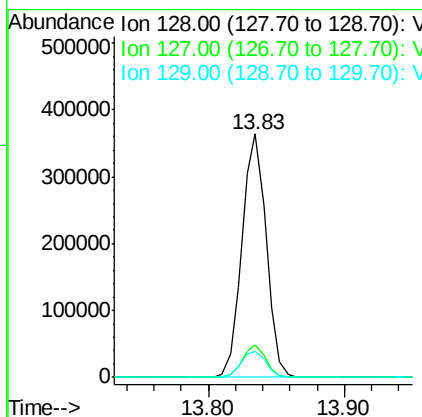
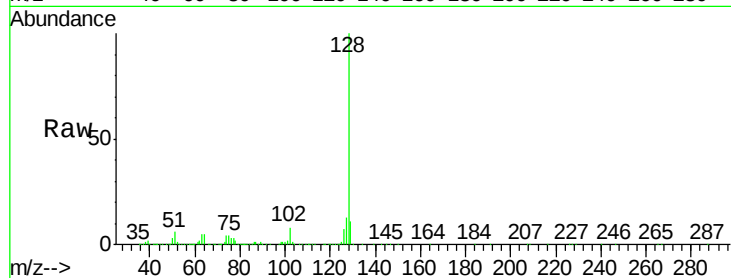
ClientSampleId :

VX0205WBS01

Tot Ion:	128	Resp:	452214
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
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2/6/2019 9:29:42 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.131 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007368.D

Acq: 05 Feb 2019 11:25

Tgt Ion:	180	Resp:	147965
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.5	142.6
145	29.9	14.9	44.5

