

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007398.D
 Acq On : 06 Feb 2019 14:38
 Operator : JC/SP
 Sample : VX0206WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 9:52:58 AM

Quant Time: Feb 07 01:12:26 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	519054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	744832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	629110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	337197	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	267500	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	5.50	113	237222	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	8.71	98	876884	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.14	95	290947	44.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	108518	17.131	ug/l	96
3) Chloromethane	1.33	50	99175	16.963	ug/l	98
4) Vinyl Chloride	1.41	62	98304	17.140	ug/l	98
5) Bromomethane	1.64	94	92006	15.889	ug/l	96
6) Chloroethane	1.71	64	72180	19.454	ug/l	98
7) Trichlorofluoromethane	1.89	101	160787	17.920	ug/l	98
8) Diethyl Ether	2.20	74	60821	18.010	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	93974	17.608	ug/l	99
10) Methyl Iodide	2.50	142	120195	15.309	ug/l	98
11) Tert butyl alcohol	3.17	59	115034m	100.893	ug/l	
12) 1,1-Dichloroethene	2.35	96	85327	17.217	ug/l	97
13) Acrolein	2.31	56	52414	98.034	ug/l	97
14) Allyl chloride	2.71	41	144655	17.914	ug/l	97
15) Acrylonitrile	3.17	53	249702	88.530	ug/l	99
16) Acetone	2.48	43	224573	88.986	ug/l	100
17) Carbon Disulfide	2.55	76	180871	15.486	ug/l	98
18) Methyl Acetate	2.79	43	144660	22.332	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	292995	18.249	ug/l	97
20) Methylene Chloride	2.85	84	95858	18.347	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	89967	17.041	ug/l	95
22) Diisopropyl ether	3.88	45	268831	18.099	ug/l	95
23) Vinyl Acetate	3.82	43	1072497	87.012	ug/l	100
24) 1,1-Dichloroethane	3.69	63	150371	17.628	ug/l	100
25) 2-Butanone	4.72	43	305541	85.073	ug/l	100
26) 2,2-Dichloropropane	4.58	77	106355	16.372	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	96820	16.791	ug/l	99
28) Bromochloromethane	5.02	49	65529	16.705	ug/l	95
29) Tetrahydrofuran	5.17	42	204359	90.472	ug/l	99
30) Chloroform	5.21	83	155481	17.468	ug/l	97
31) Cyclohexane	5.57	56	131324	17.142	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	128569	17.112	ug/l	99
36) 1,1-Dichloropropene	5.79	75	110746	16.571	ug/l	100
37) Ethyl Acetate	4.87	43	117655	17.416	ug/l	99
38) Carbon Tetrachloride	5.78	117	109727	16.924	ug/l	98

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 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)
39) Methylcyclohexane	7.45	83	136526	16.885	ug/l	99
40) Benzene	6.13	78	352660	17.914	ug/l	99
41) Methacrylonitrile	5.07	41	65843	18.185	ug/l	97
42) 1,2-Dichloroethane	6.20	62	119732	17.579	ug/l	99
43) Isopropyl Acetate	6.47	43	179791	17.242	ug/l	100
44) Trichloroethene	7.21	130	101731	17.158	ug/l	97
45) 1,2-Dichloropropane	7.51	63	85995	17.435	ug/l	100
46) Dibromomethane	7.66	93	60643	16.916	ug/l	99
47) Bromodichloromethane	7.90	83	96434	15.873	ug/l	99
48) Methyl methacrylate	7.78	41	90462	17.344	ug/l	99
49) 1,4-Dioxane	7.77	88	46092	392.789	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	622178	90.638	ug/l	99
52) Toluene	8.78	92	219752	17.302	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	101806	15.600	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	120729	16.822	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	89911	16.982	ug/l	97
56) Ethyl methacrylate	9.18	69	123507	16.843	ug/l	99
57) 1,3-Dichloropropane	9.37	76	146065	17.348	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	341073	88.247	ug/l	98
59) 2-Hexanone	9.50	43	481683	90.175	ug/l	100
60) Dibromochloromethane	9.59	129	77943	15.566	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95578	17.047	ug/l	100
64) Tetrachloroethene	9.34	164	103613	17.474	ug/l	97
65) Chlorobenzene	10.14	112	247461	18.026	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	84217	18.297	ug/l	99
67) Ethyl Benzene	10.25	91	403456	18.249	ug/l	99
68) m/p-Xylenes	10.36	106	319684	36.377	ug/l	98
69) o-Xylene	10.70	106	156737	18.535	ug/l	99
70) Styrene	10.71	104	241579	17.615	ug/l	99
71) Bromoform	10.86	173	57198	17.056	ug/l #	99
73) Isopropylbenzene	11.02	105	412561	18.004	ug/l	98
74) N-amyl acetate	10.90	43	165122	18.630	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	142956	20.471	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	126449m	19.279	ug/l	
77) Bromobenzene	11.26	156	114915	17.799	ug/l	99
78) n-propylbenzene	11.36	91	448822	17.862	ug/l	100
79) 2-Chlorotoluene	11.42	91	276276	18.121	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	344463	18.375	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	30232	17.271	ug/l	89
82) 4-Chlorotoluene	11.51	91	313222	17.754	ug/l	99
83) tert-Butylbenzene	11.77	119	354452	19.097	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	358612	18.842	ug/l	99
85) sec-Butylbenzene	11.94	105	417945	18.605	ug/l	99
86) p-Isopropyltoluene	12.06	119	373550	18.421	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	208784	18.019	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	210180	17.880	ug/l	99
89) n-Butylbenzene	12.39	91	288520	16.540	ug/l	99
90) Hexachloroethane	12.60	117	51803	17.069	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	219008	18.993	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27070	18.643	ug/l	97

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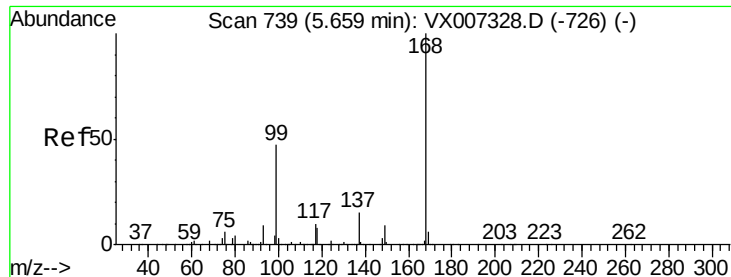
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138894	17.861	ug/l	99
94) Hexachlorobutadiene	13.78	225	71121	18.835	ug/l	98
95) Naphthalene	13.83	128	447375	19.673	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	147447	18.837	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion:168 Resp: 519054

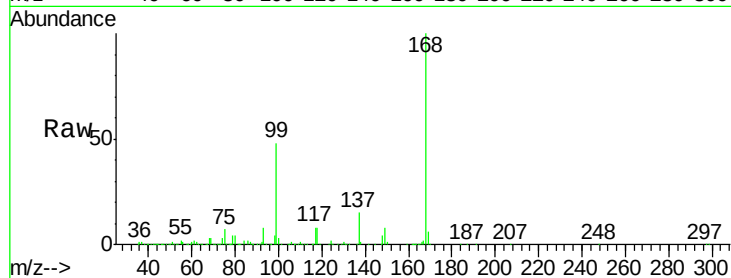
Ion Ratio Lower Upper

168 100

99 48.1 37.9 56.9

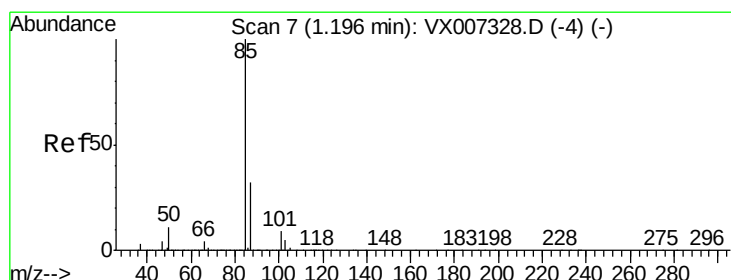
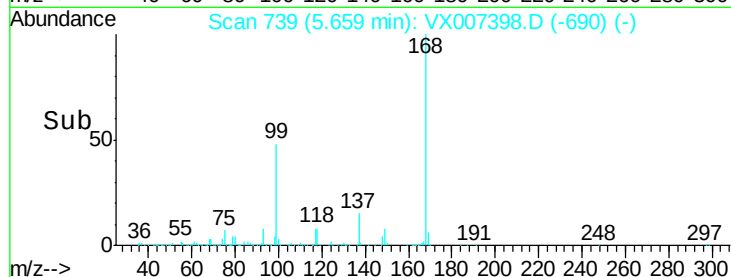
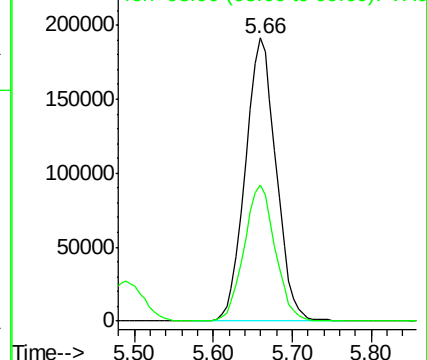
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.131 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007398.D

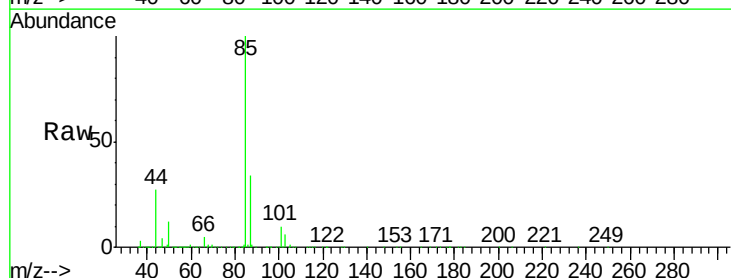
Acq: 06 Feb 2019 14:38

Tgt Ion: 85 Resp: 108518

Ion Ratio Lower Upper

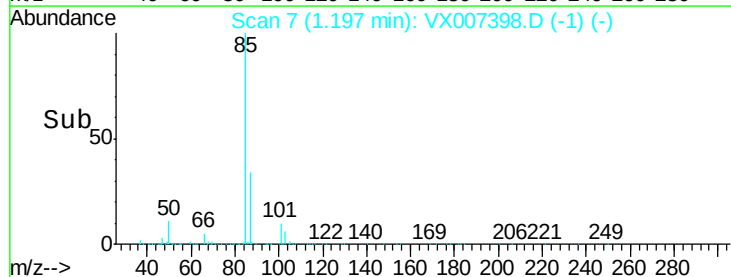
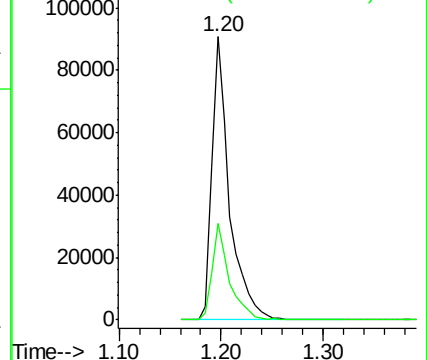
85 100

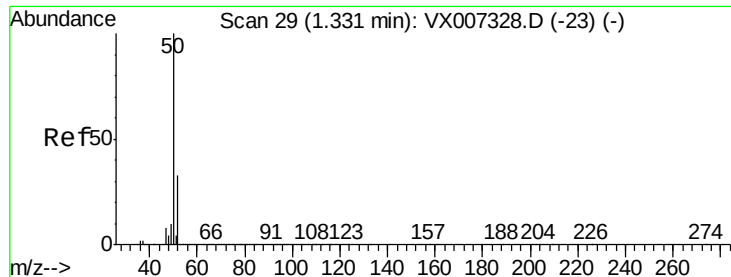
87 33.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.963 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 50 Resp: 99175

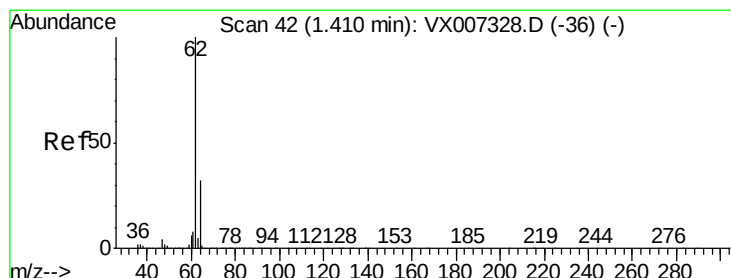
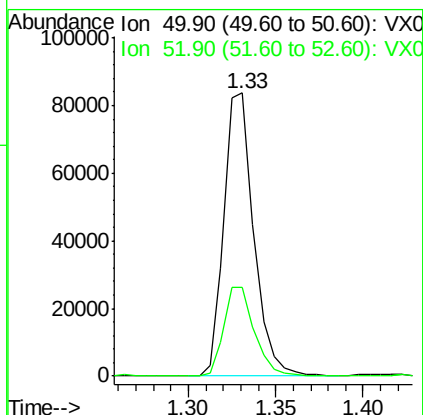
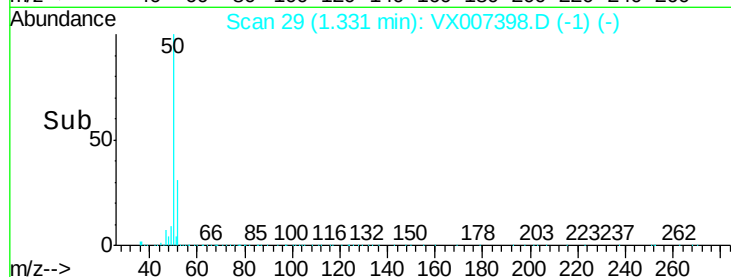
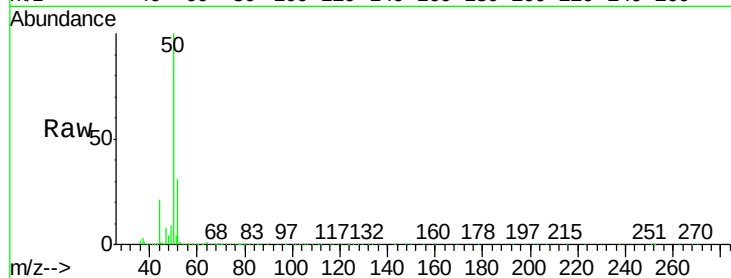
Ion Ratio Lower Upper

50 100

52 31.2 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.140 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007398.D

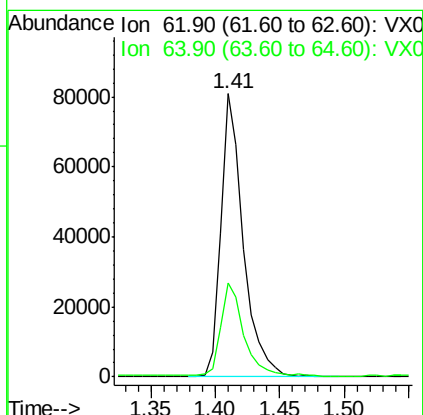
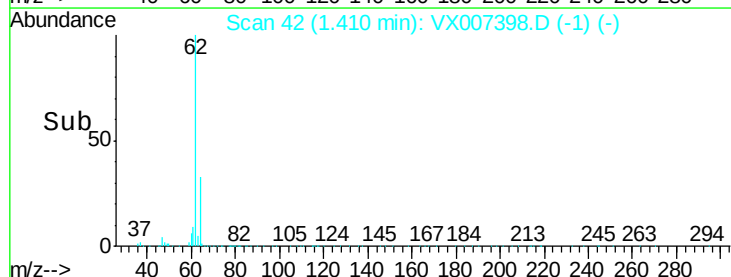
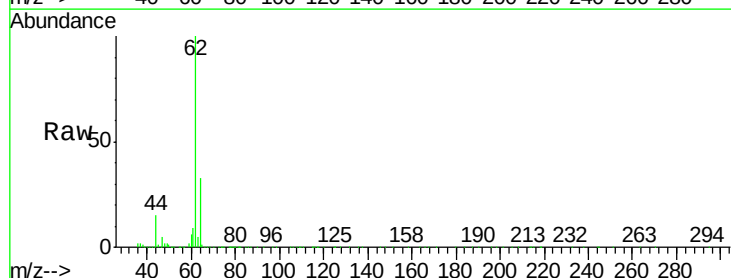
Acq: 06 Feb 2019 14:38

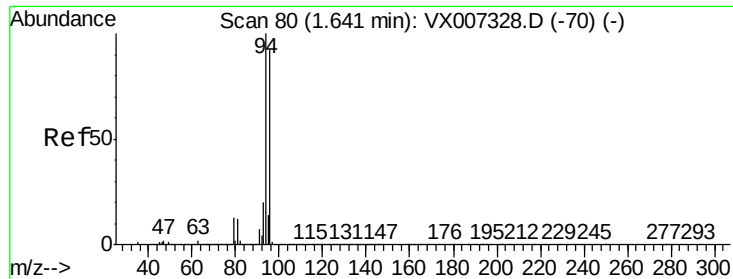
Tgt Ion: 62 Resp: 98304

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.0





#5

Bromomethane

Concen: 15.889 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 94 Resp: 92006

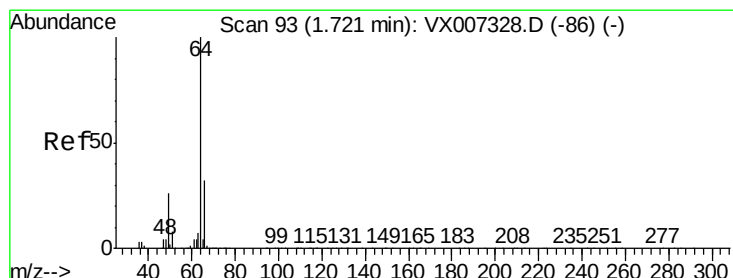
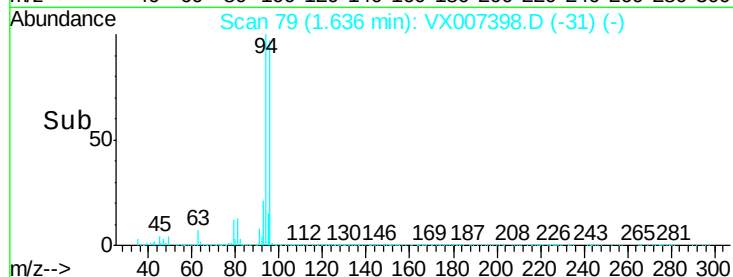
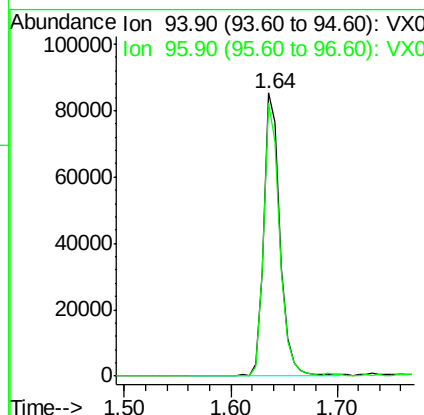
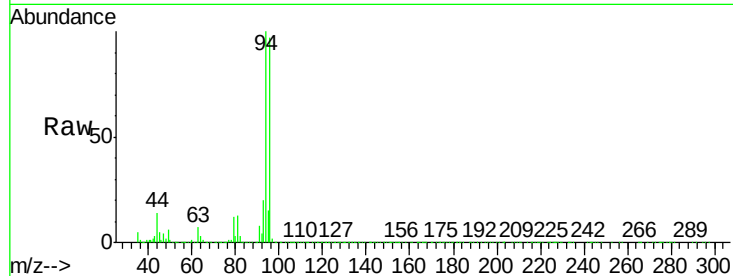
Ion Ratio Lower Upper

94 100

96 96.2 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 19.454 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007398.D

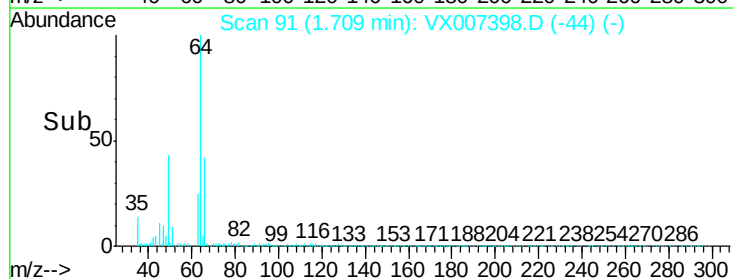
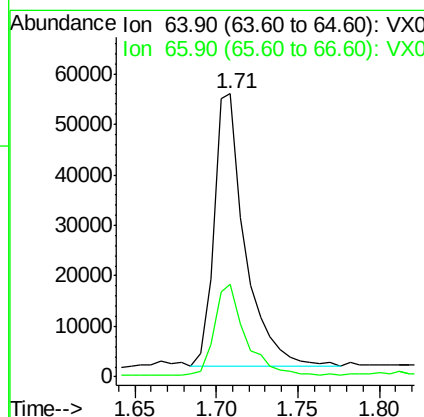
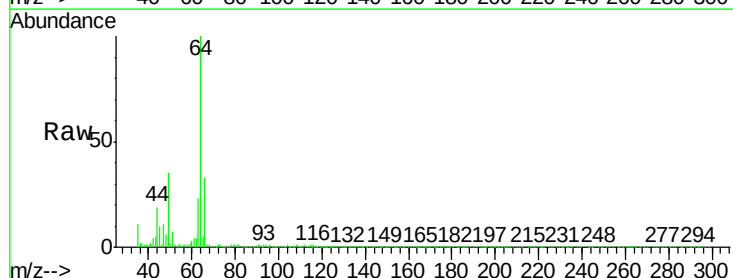
Acq: 06 Feb 2019 14:38

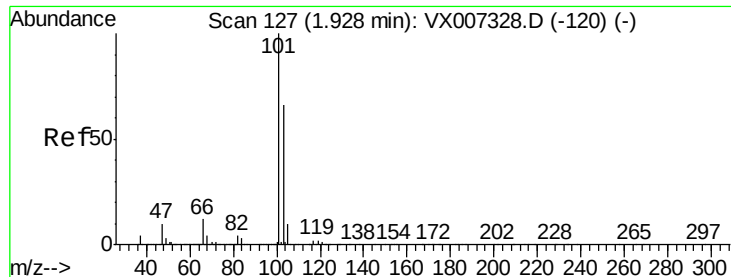
Tgt Ion: 64 Resp: 72180

Ion Ratio Lower Upper

64 100

66 33.3 25.5 38.3





#7

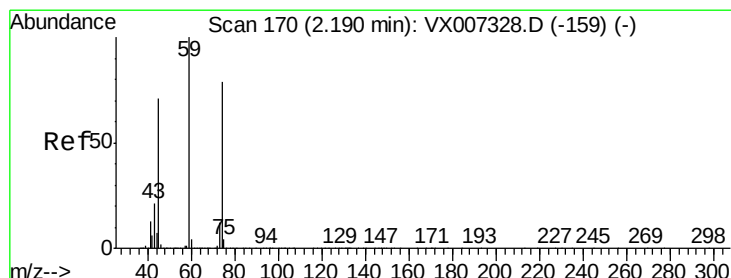
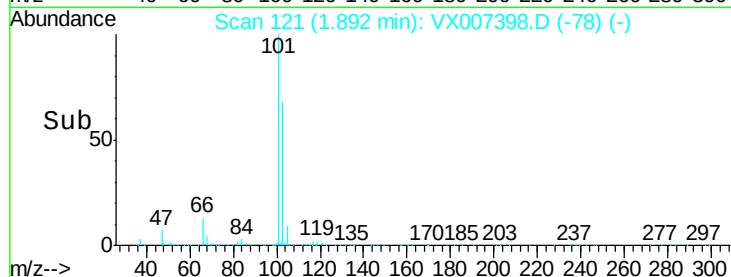
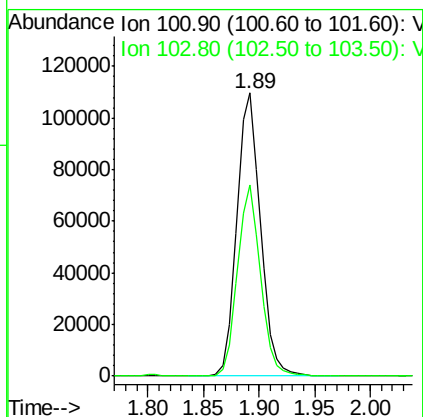
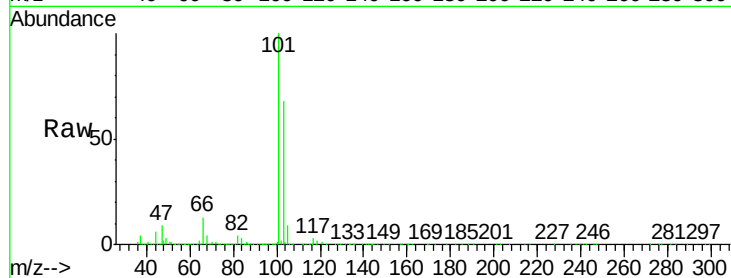
Trichlorofluoromethane
Concen: 17.920 ug/l
RT: 1.89 min Scan# 121
Delta R.T. -0.04 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
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ClientSampleId :
VX0206WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	67.6	52.6	79.0	

Manual Integrations
APPROVED

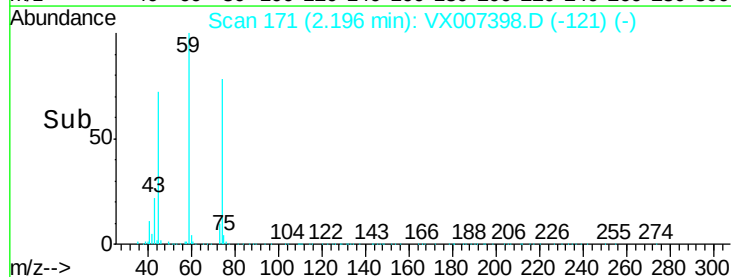
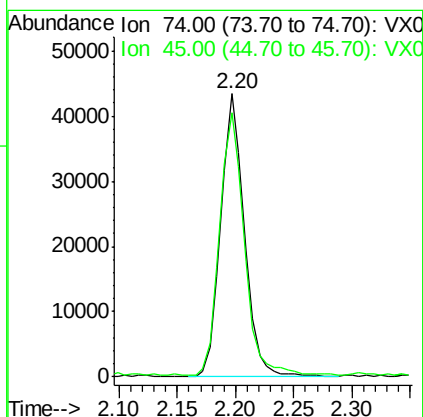
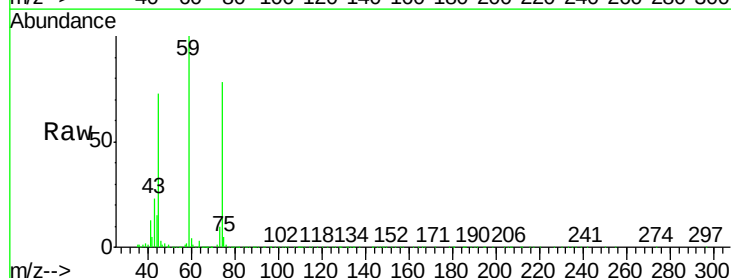
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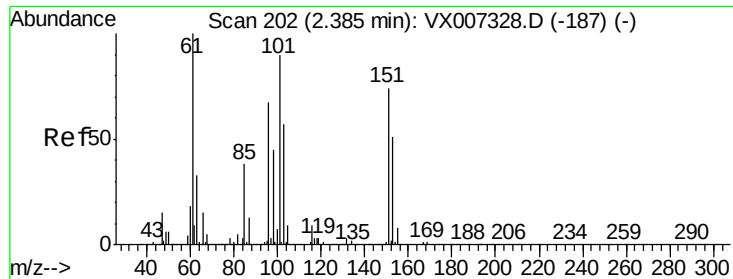


#8

Diethyl Ether
Concen: 18.010 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.608 ug/l

RT: 2.36 min Scan# 198

Delta R.T. -0.02 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

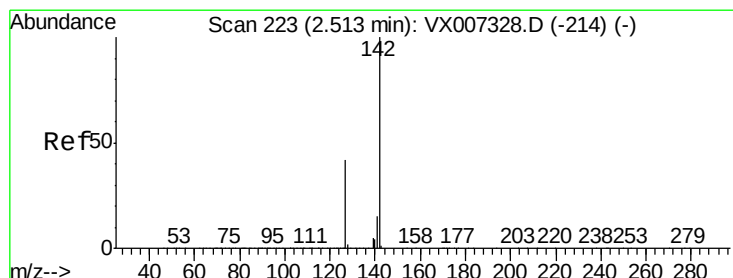
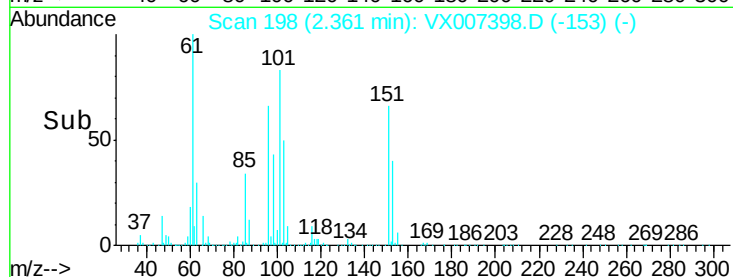
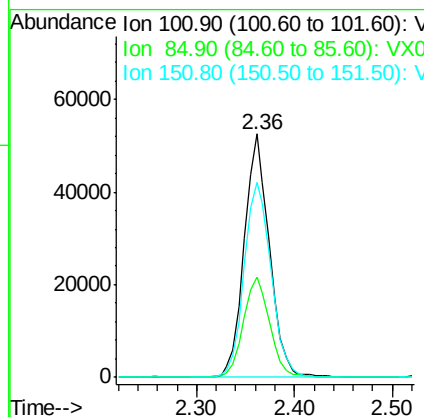
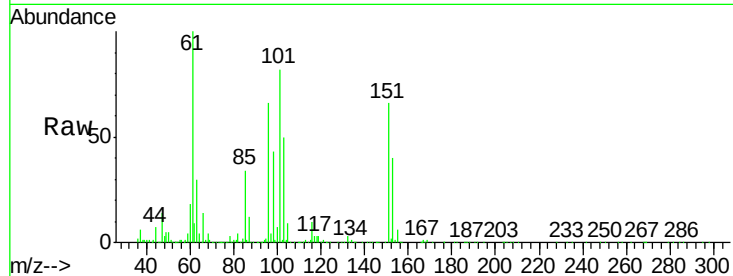
ClientSampleId :

VX0206WBSD01

Tot Ion:	101	Resp:	93974
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.1	51.1
151	86.1	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
2/7/2019 9:52:58 AM



#10

Methyl Iodide

Concen: 15.309 ug/l

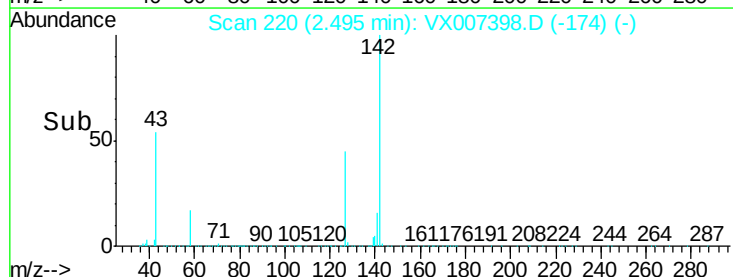
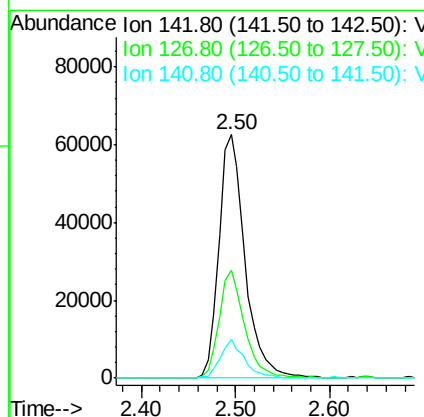
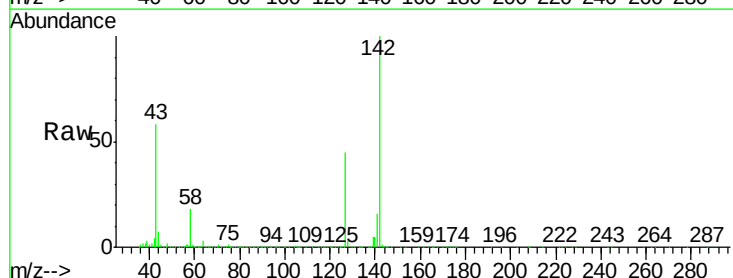
RT: 2.50 min Scan# 220

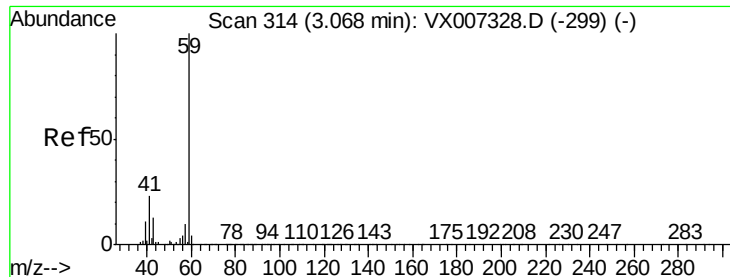
Delta R.T. -0.02 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion:	142	Resp:	120195
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.7	50.5
141	14.8	11.3	16.9





#11

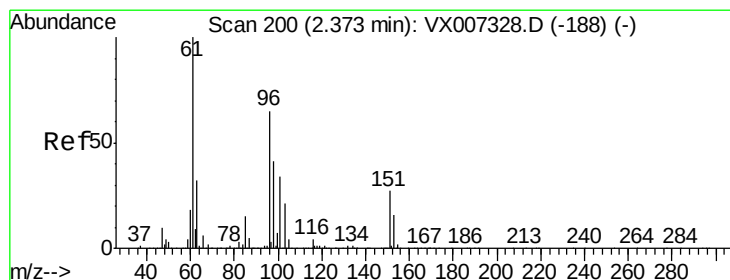
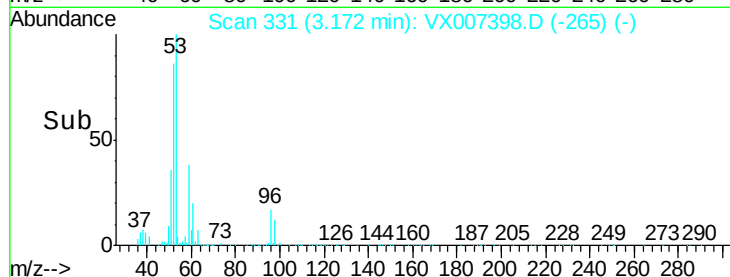
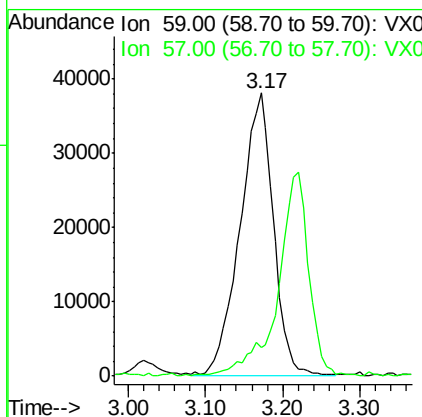
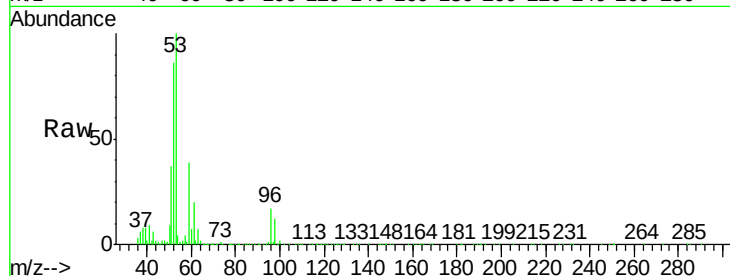
Tert butyl alcohol
Concen: 100.893 ug/l m
RT: 3.17 min Scan# 331
Delta R.T. 0.10 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

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

Manual Integrations
APPROVED

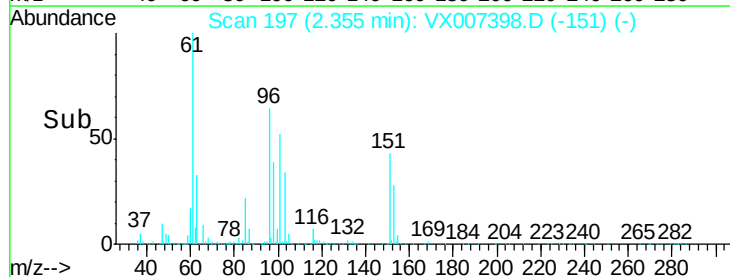
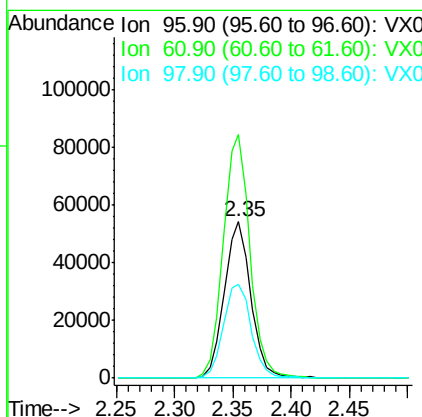
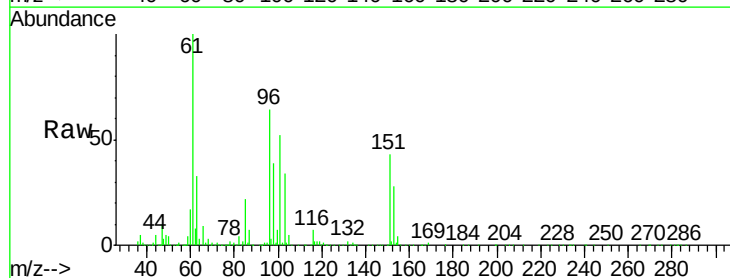
MMDadoda
2/7/2019 9:52:58 AM

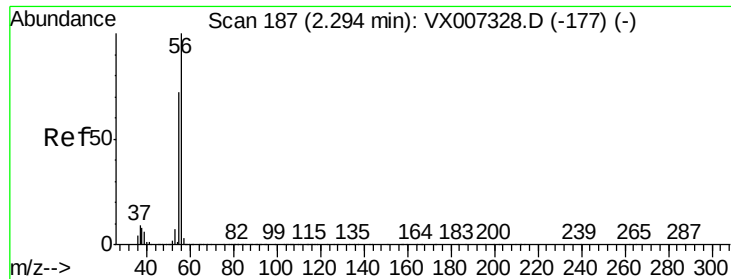


#12

1,1-Dichloroethene
Concen: 17.217 ug/l
RT: 2.35 min Scan# 197
Delta R.T. -0.02 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	123.0	184.4
98	60.0	50.9	76.3





#13

Acrolein

Concen: 98.034 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 56 Resp: 52414

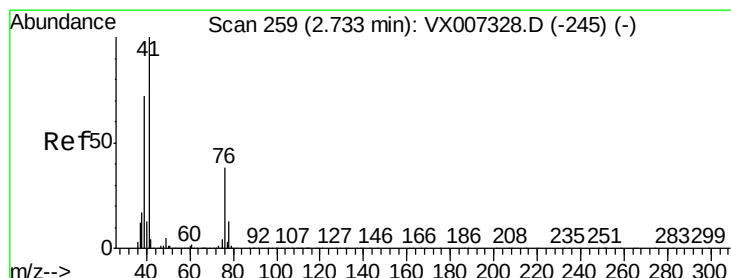
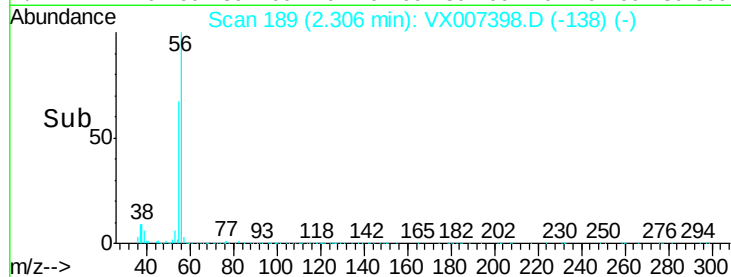
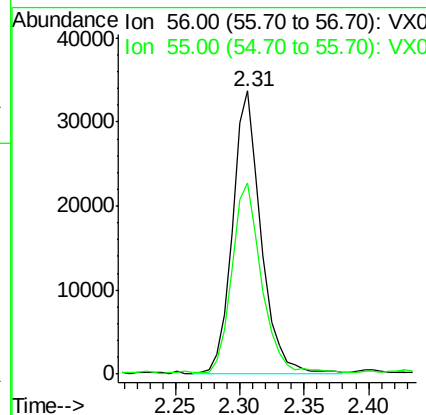
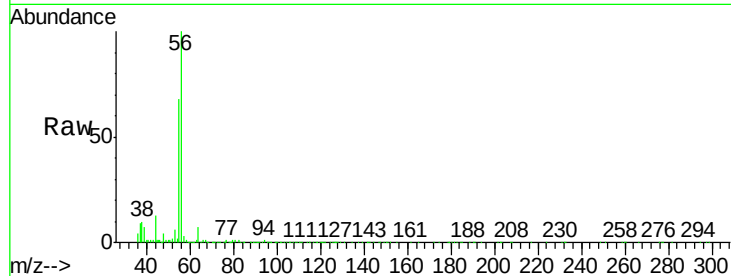
Ion Ratio Lower Upper

56 100

55 68.5 56.9 85.3

Manual Integrations
APPROVED

MMDadoda
2/7/2019 9:52:58 AM



#14

Allyl chloride

Concen: 17.914 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.02 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

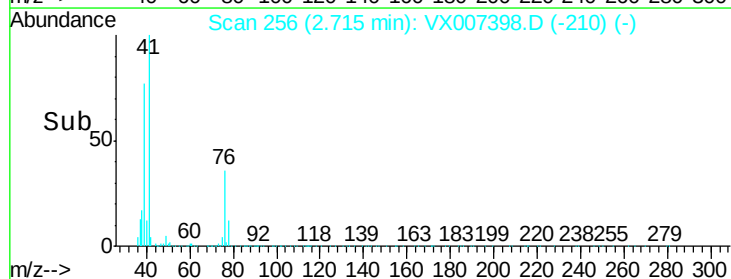
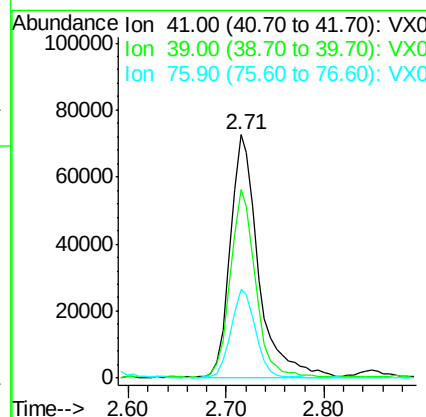
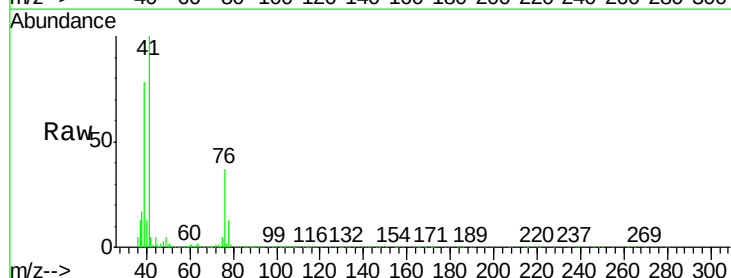
Tgt Ion: 41 Resp: 144655

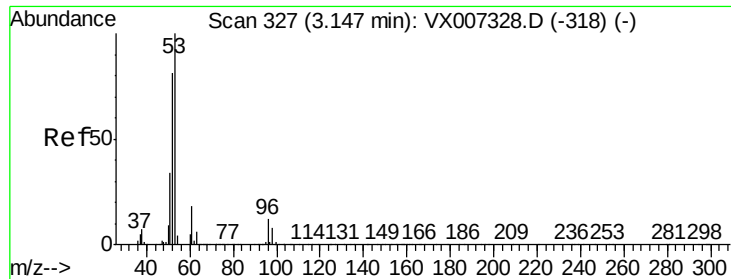
Ion Ratio Lower Upper

41 100

39 69.2 54.1 81.1

76 31.9 27.8 41.8





#15

Acrylonitrile

Concen: 88.530 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

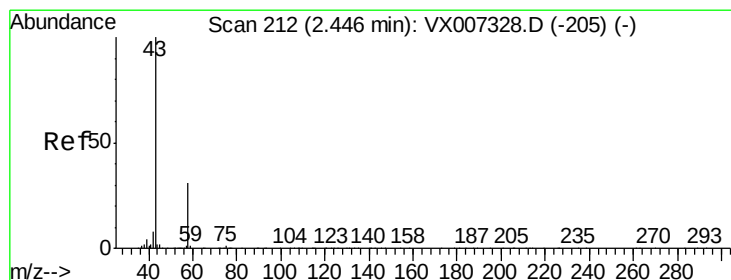
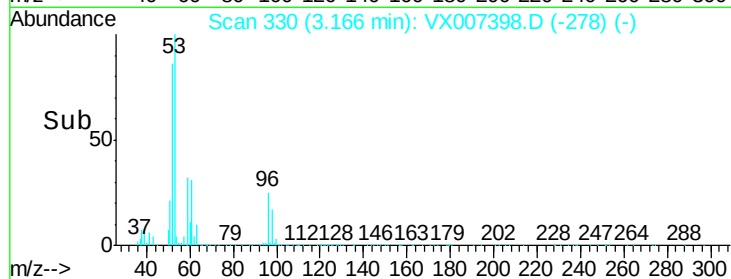
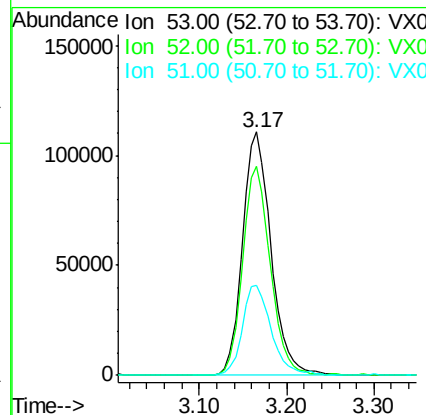
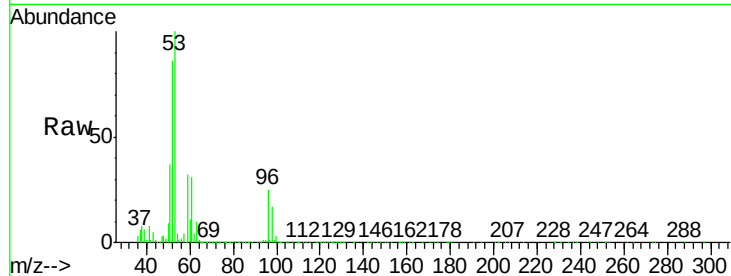
ClientSampleId :

VX0206WBSD01

Tot Ion:	53	Resp:	249702
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.4	99.6
51	37.4	28.4	42.6

Manual Integrations
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MMDadoda
2/7/2019 9:52:58 AM



#16

Acetone

Concen: 88.986 ug/l

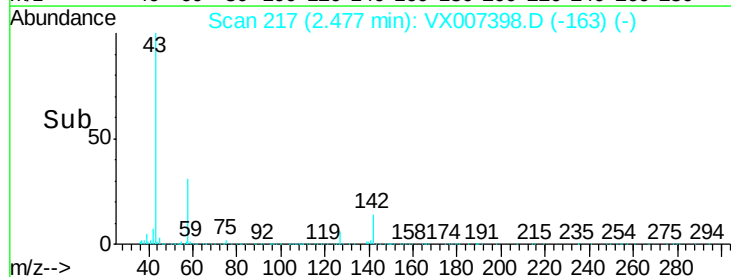
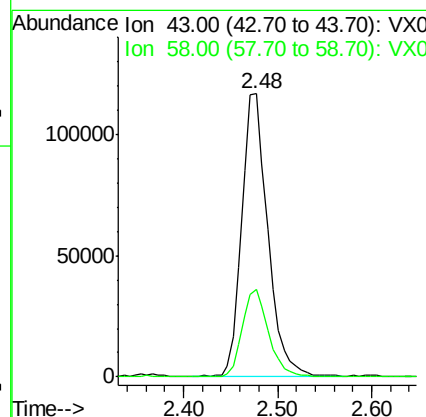
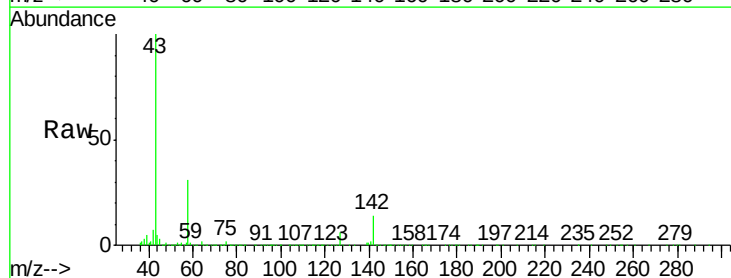
RT: 2.48 min Scan# 217

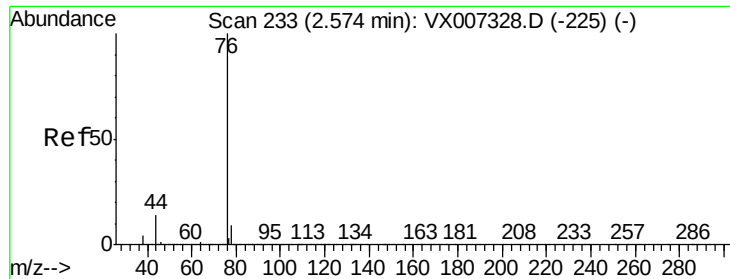
Delta R.T. 0.03 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion:	43	Resp:	224573
Ion Ratio	Lower	Upper	
43	100		
58	31.0	24.9	37.3





#17

Carbon Disulfide

Concen: 15.486 ug/l

RT: 2.55 min Scan# 229

Delta R.T. -0.02 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 76 Resp: 180871

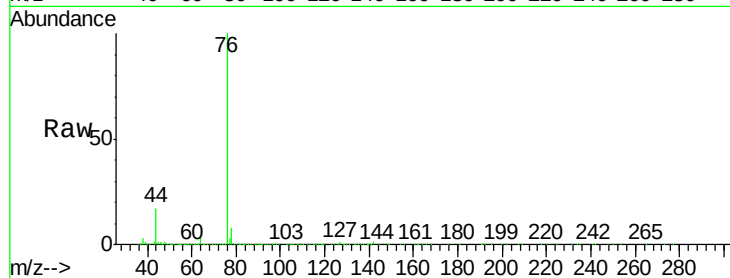
Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

120000

100000

80000

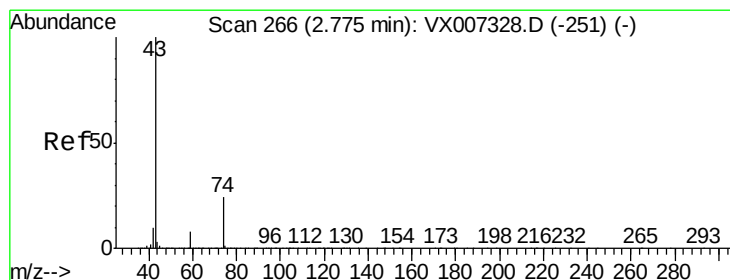
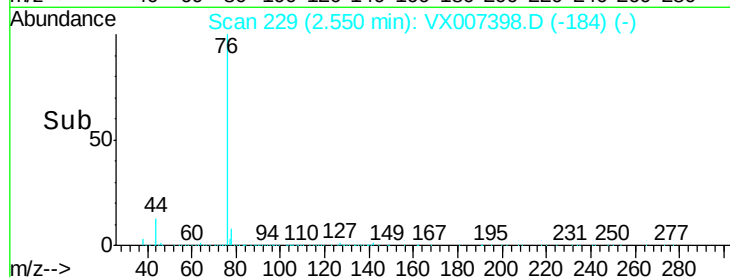
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.332 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX007398.D

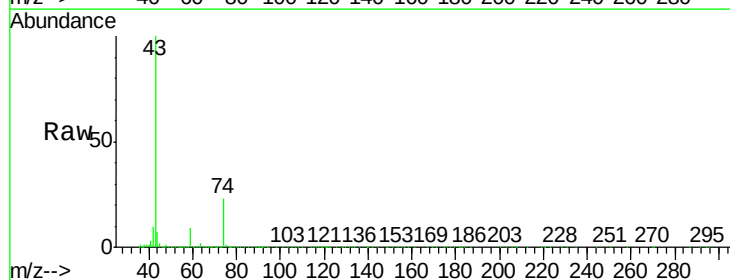
Acq: 06 Feb 2019 14:38

Tgt Ion: 43 Resp: 144660

Ion Ratio Lower Upper

43 100

74 21.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.79

80000

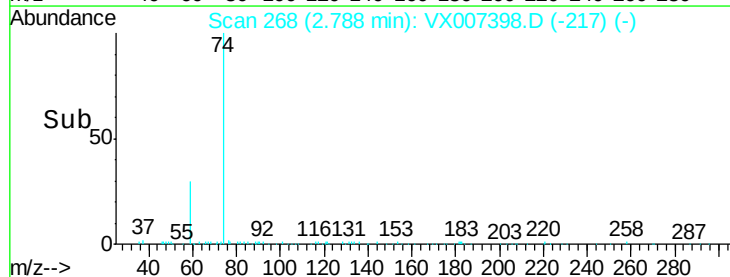
60000

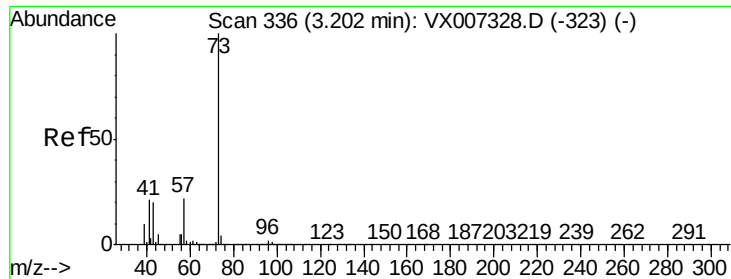
40000

20000

0

Time-->





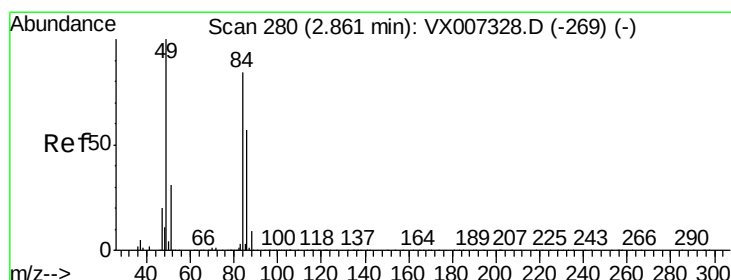
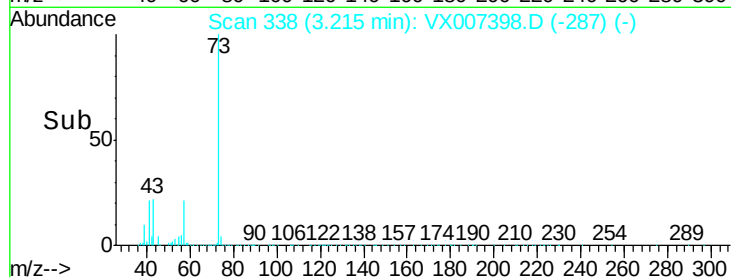
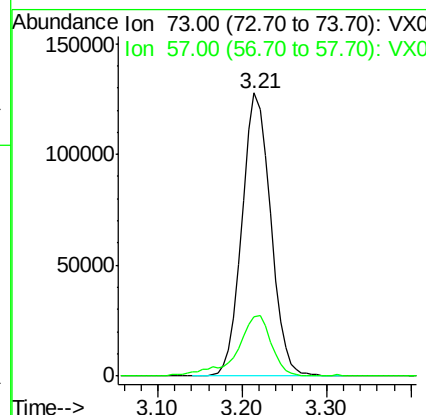
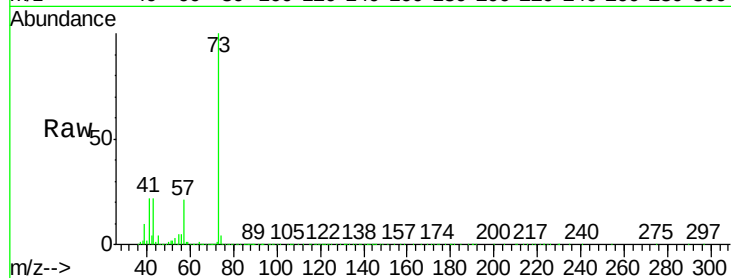
#19
Methyl tert-butyl Ether
Concen: 18.249 ug/l
RT: 3.21 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.8	26.8

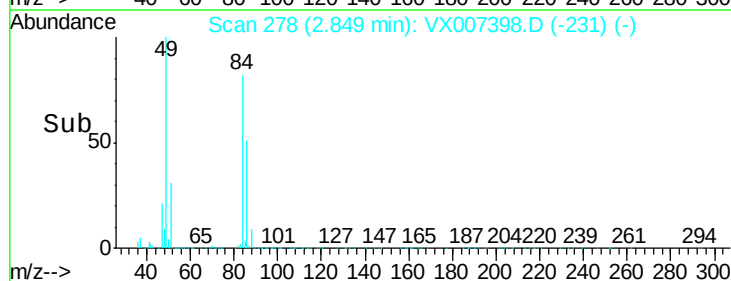
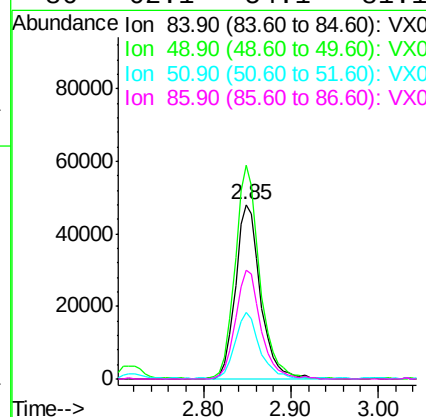
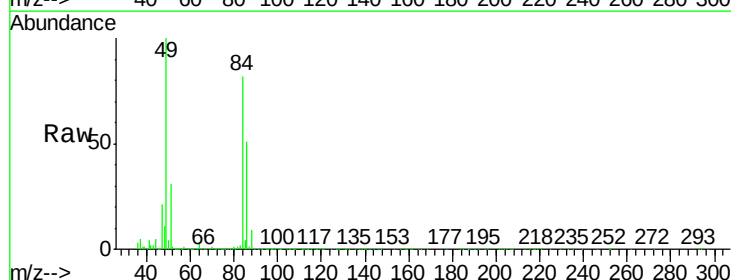
Manual Integrations
APPROVED

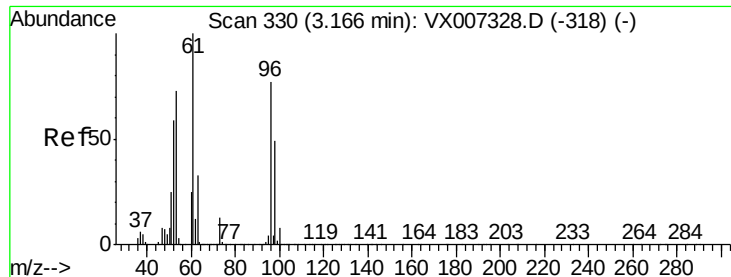
MMDadoda
2/7/2019 9:52:58 AM



#20
Methylene Chloride
Concen: 18.347 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.2	94.8	142.2
51	37.5	29.8	44.8
86	62.1	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 17.041 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

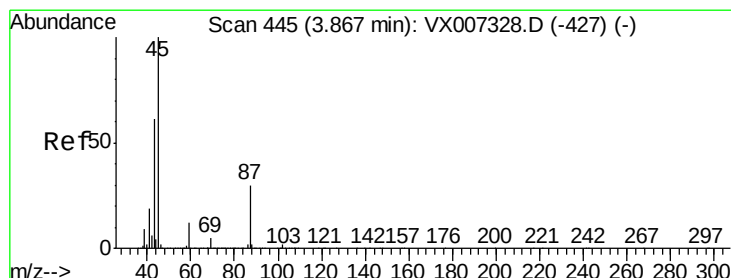
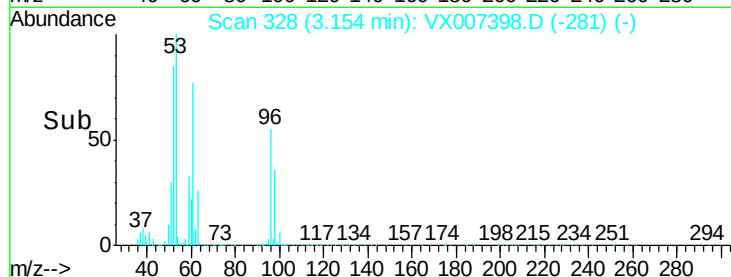
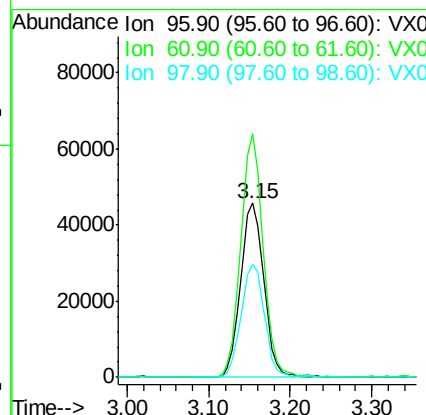
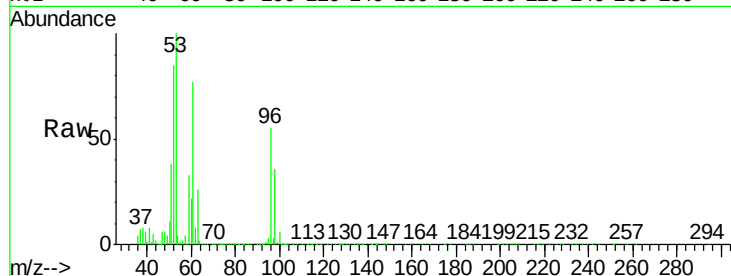
ClientSampleId :

VX0206WBSD01

Tot Ion:	96	Resp:	89967
Ion	Ratio	Lower	Upper
96	100		
61	139.6	104.6	156.8
98	64.5	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.099 ug/l

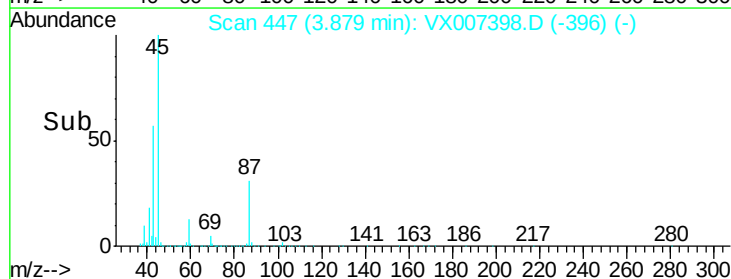
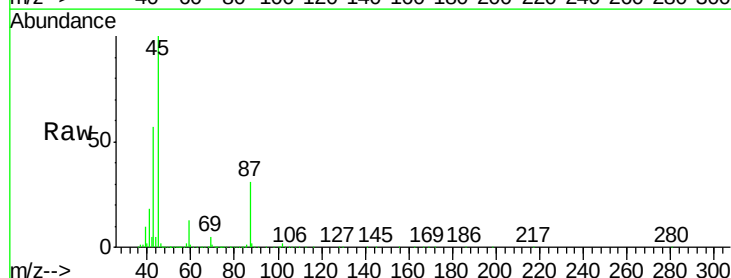
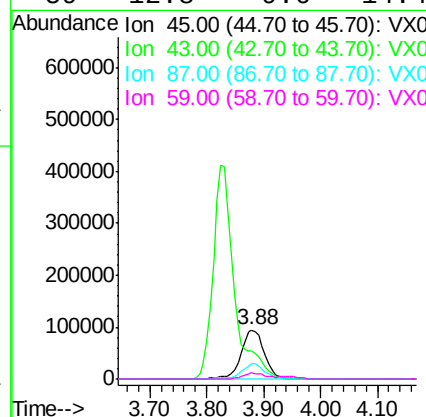
RT: 3.88 min Scan# 447

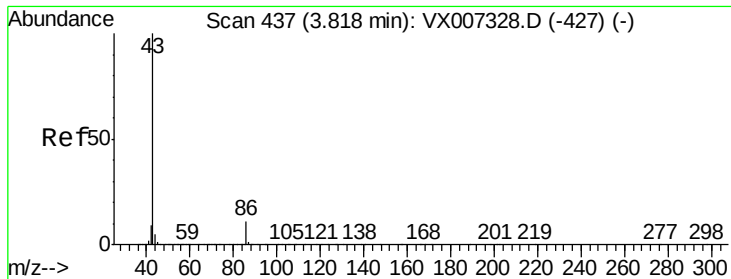
Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion:	45	Resp:	268831
Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.9	73.3
87	31.2	23.9	35.9
59	12.8	9.6	14.4





#23

Vinyl Acetate

Concen: 87.012 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 43 Resp: 1072497

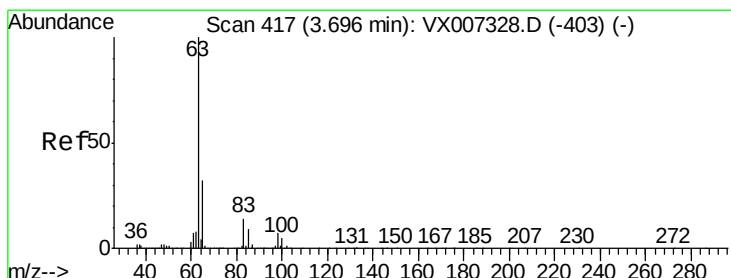
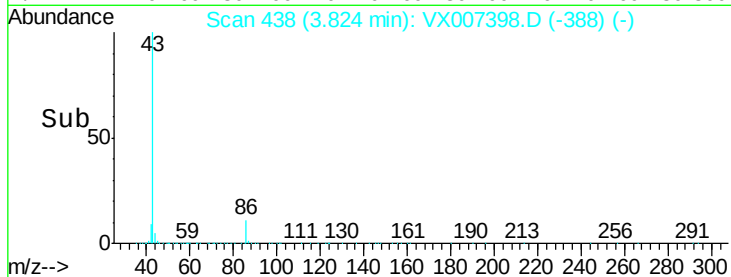
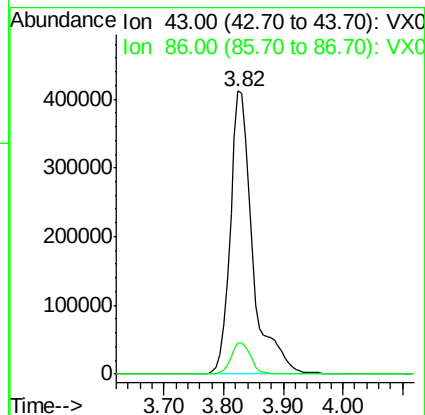
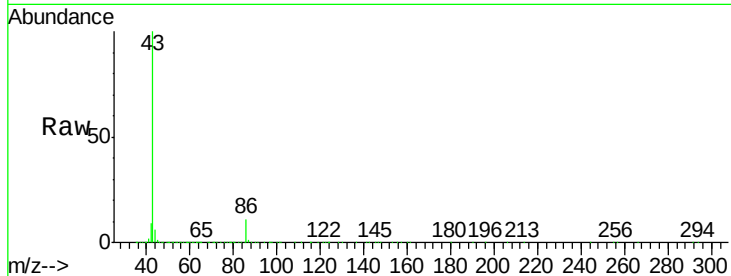
Ion Ratio Lower Upper

43 100

86 11.1 8.7 13.1

Manual Integrations
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2/7/2019 9:52:58 AM



#24

1,1-Dichloroethane

Concen: 17.628 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

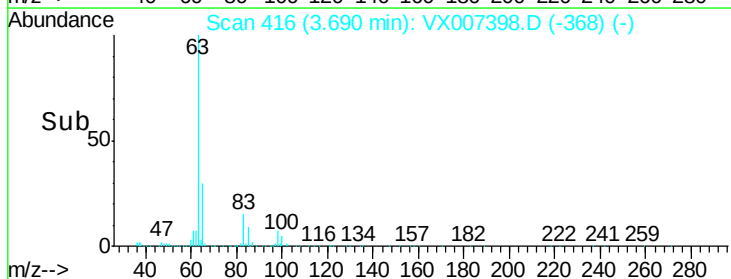
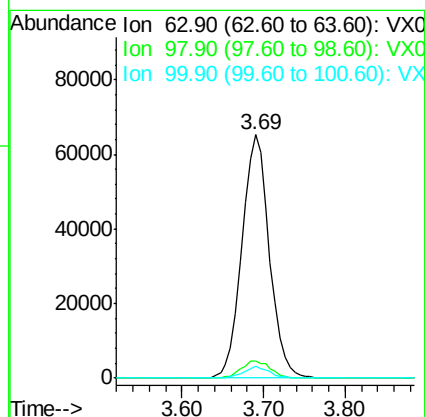
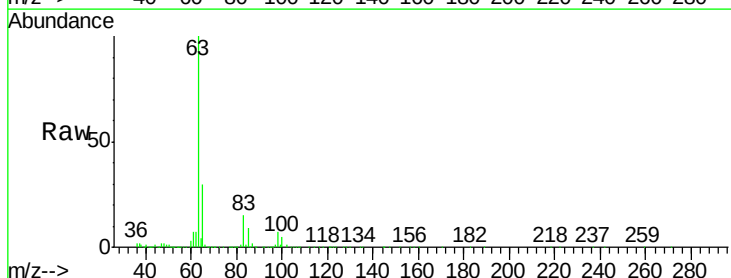
Tgt Ion: 63 Resp: 150371

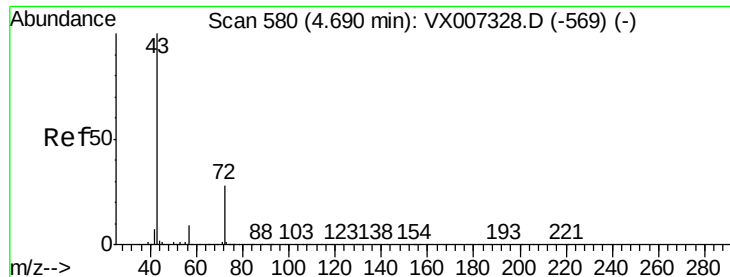
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 85.073 ug/l

RT: 4.72 min Scan# 585

Delta R.T. 0.03 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tot Ion: 43 Resp: 305541

Ion Ratio Lower Upper

43 100

72 27.8 22.2 33.2

Instrument :

MSVOA_X

ClientSampleId :

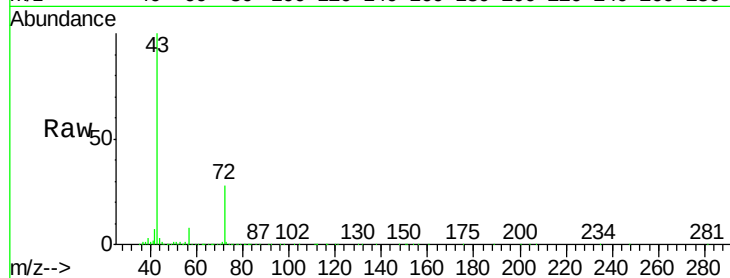
VX0206WBSD01

Manual Integrations

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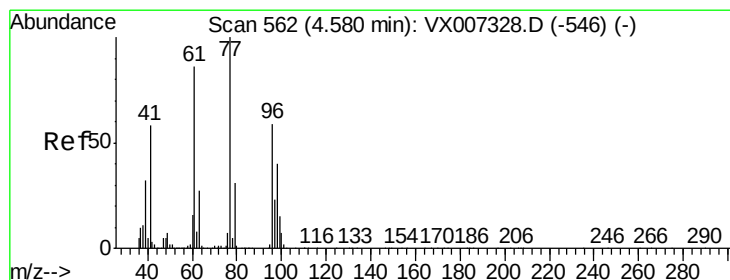
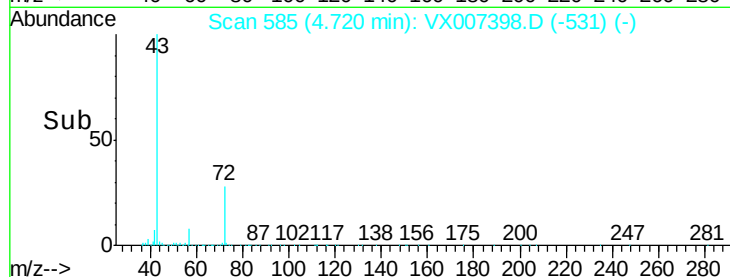
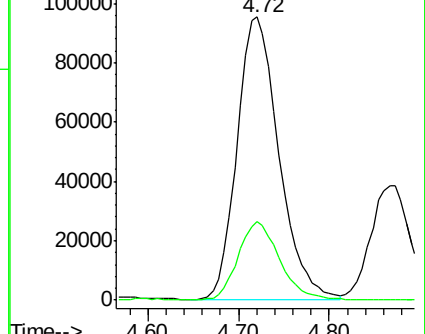
MMDadoda

2/7/2019 9:52:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.372 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007398.D

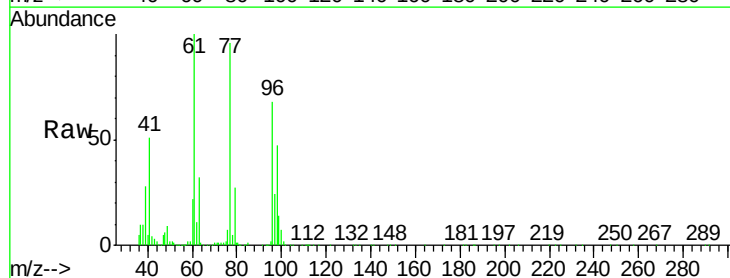
Acq: 06 Feb 2019 14:38

Tgt Ion: 77 Resp: 106355

Ion Ratio Lower Upper

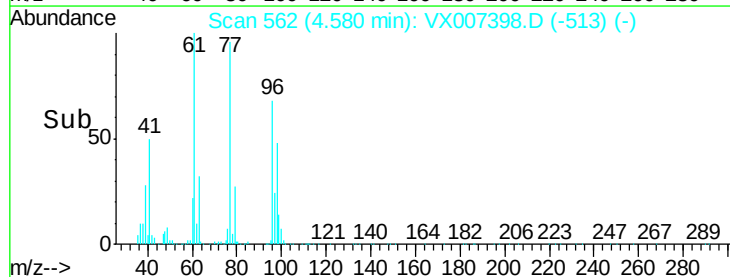
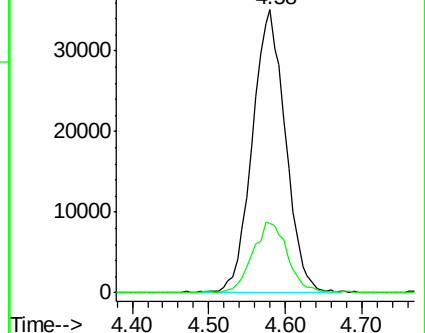
77 100

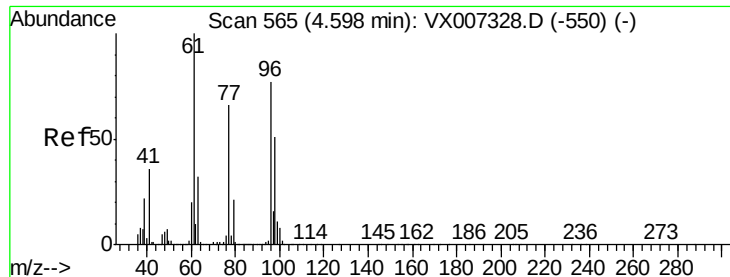
97 25.8 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

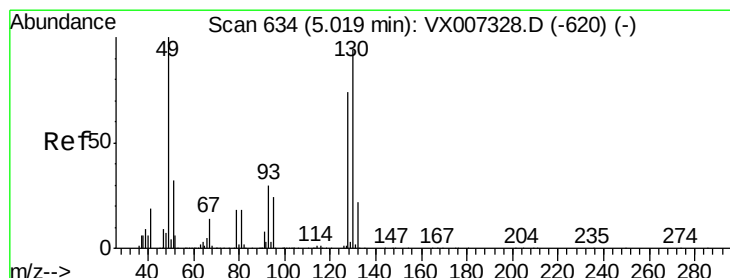
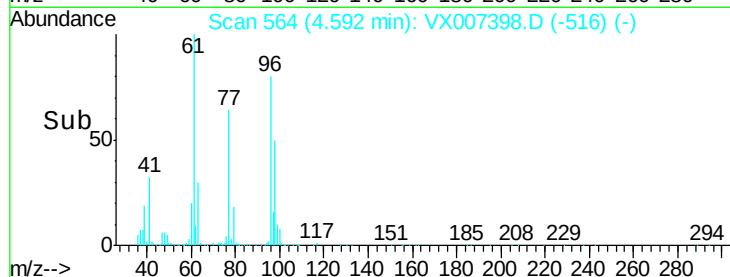
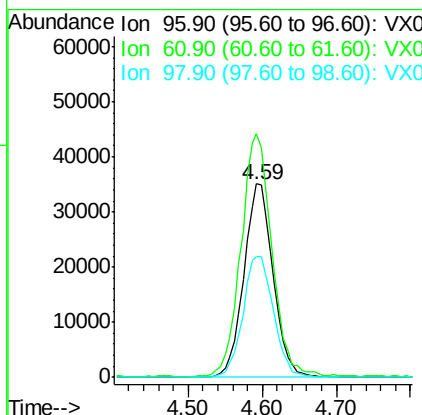
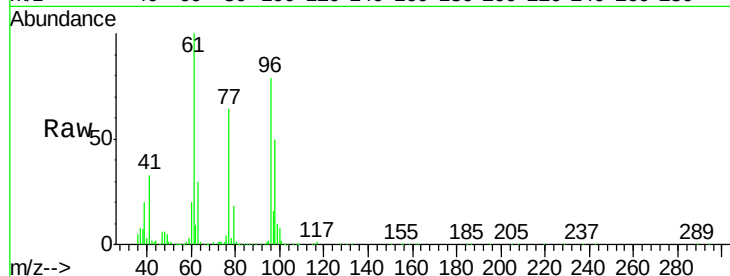
cis-1,2-Dichloroethene
Concen: 16.791 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.8	0.0	265.6	
98	65.4	0.0	131.6	

Manual Integrations
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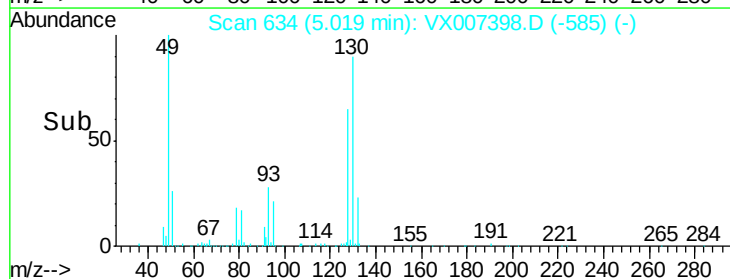
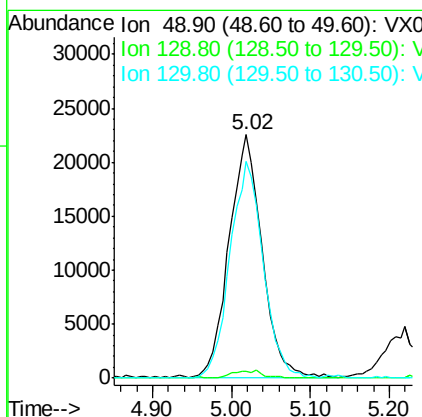
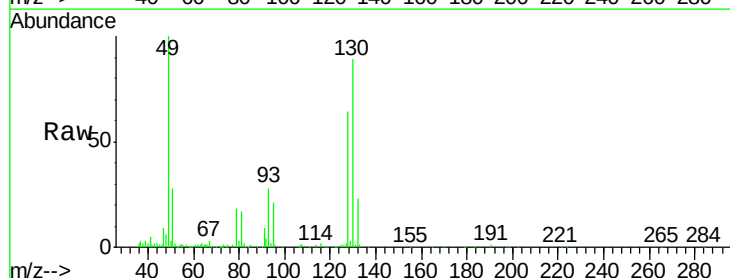
MMDadoda
2/7/2019 9:52:58 AM

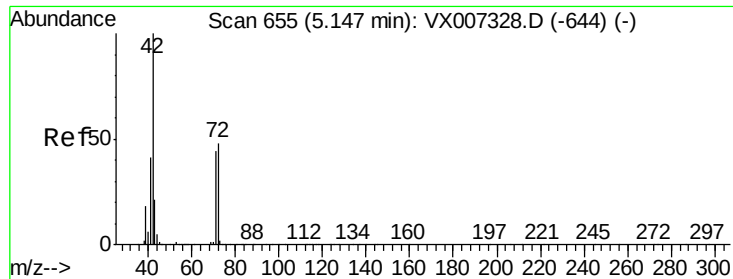


#28

Bromochloromethane
Concen: 16.705 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.9	0.0	5.6	
130	89.6	75.6	113.4	





#29

Tetrahydrofuran

Concen: 90.472 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.02 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

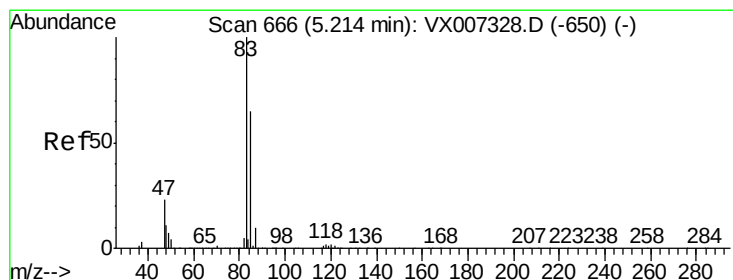
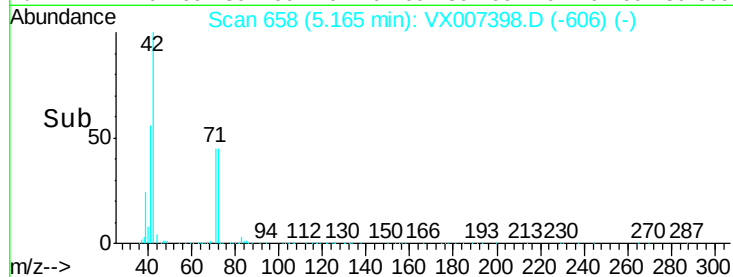
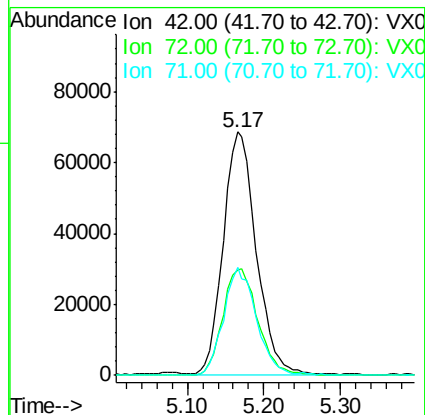
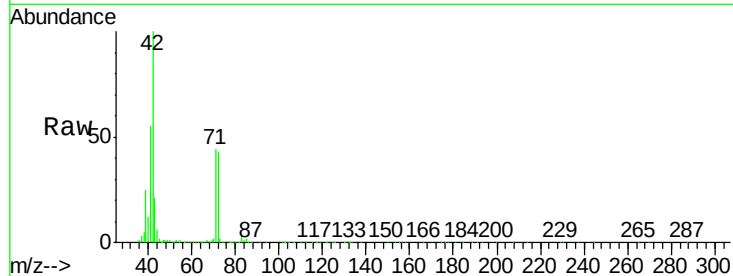
ClientSampleId :

VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.6	56.4
71	44.3	34.6	51.8

Manual Integrations
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2/7/2019 9:52:58 AM



#30

Chloroform

Concen: 17.468 ug/l

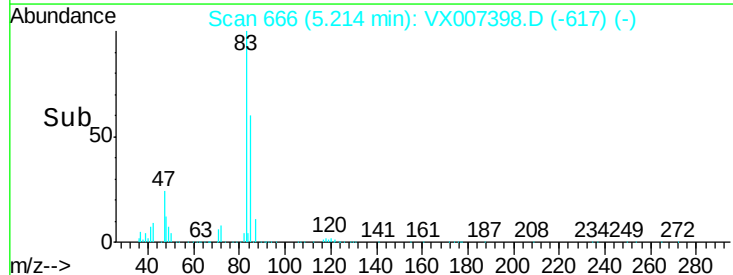
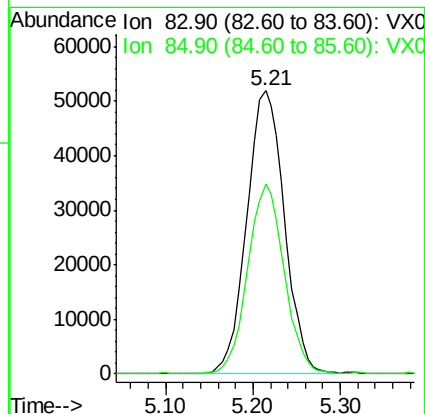
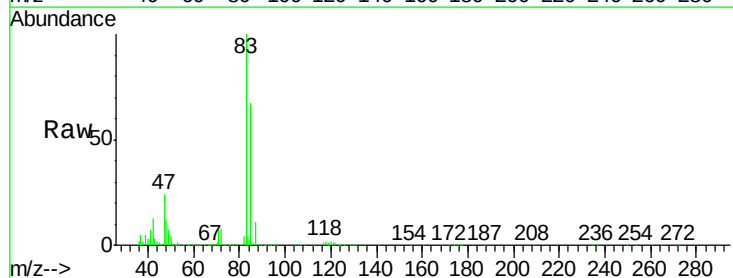
RT: 5.21 min Scan# 666

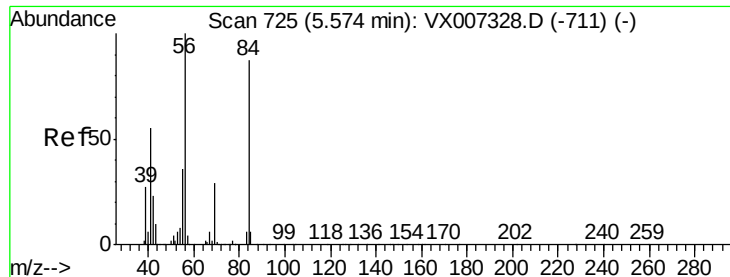
Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.6	77.4





#31

Cyclohexane

Concen: 17.142 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

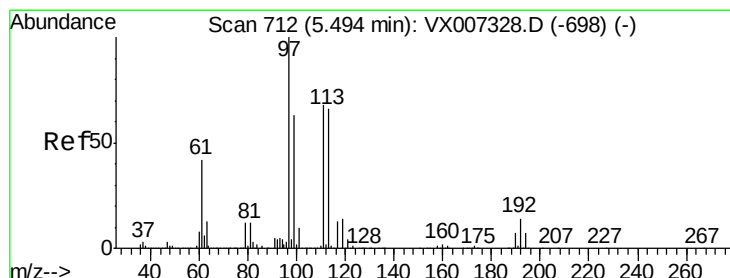
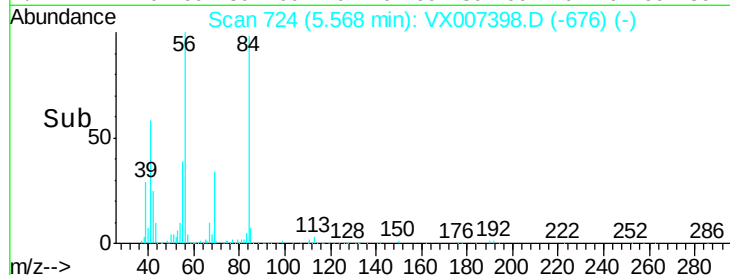
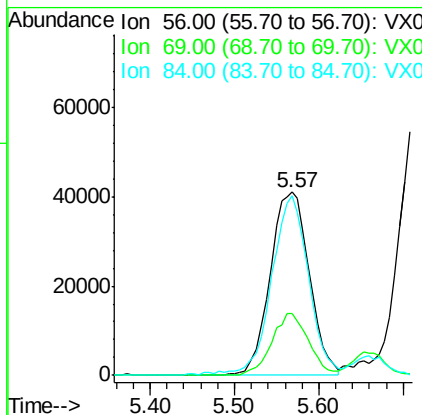
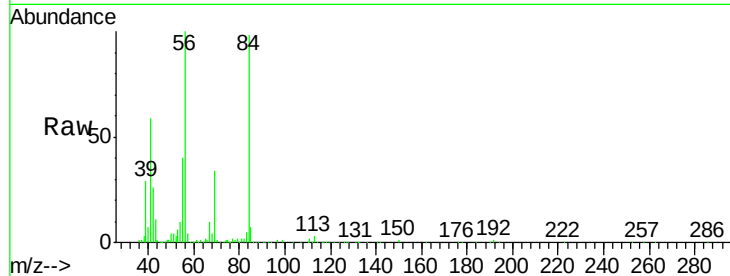
ClientSampleId :

VX0206WBSD01

Tot Ion:	56	Resp:	131324
Ion Ratio	Lower	Upper	
56	100		
69	33.9	23.0	34.6
84	97.3	69.8	104.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.112 ug/l

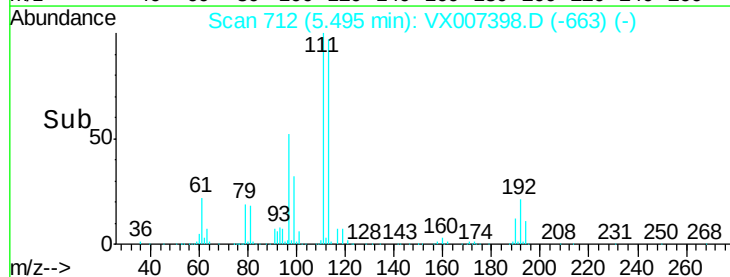
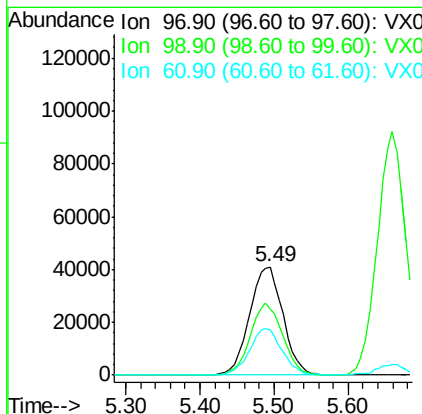
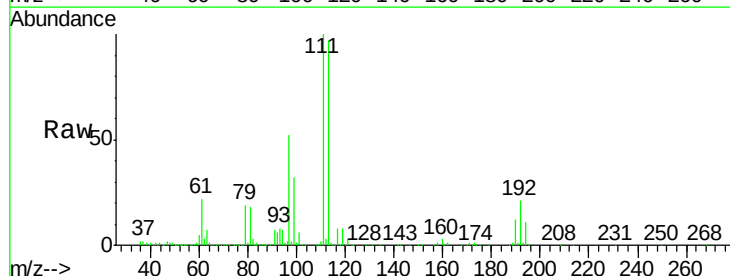
RT: 5.49 min Scan# 712

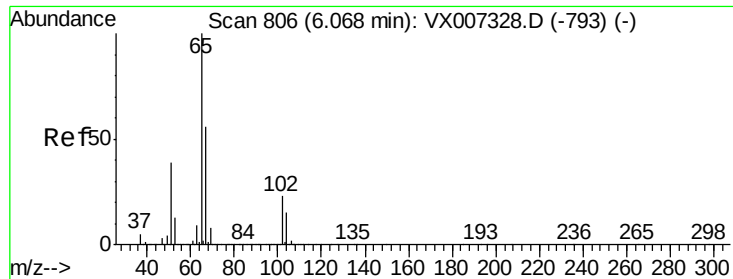
Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion:	97	Resp:	128569
Ion Ratio	Lower	Upper	
97	100		
99	64.8	52.2	78.2
61	42.0	32.7	49.1





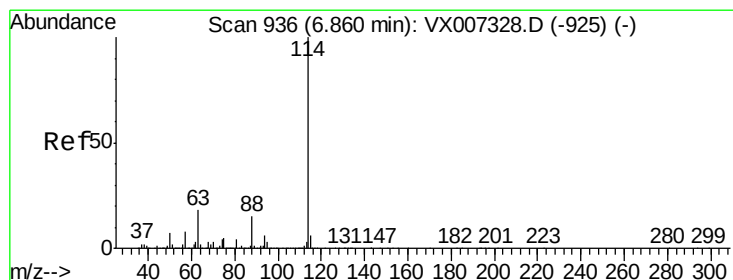
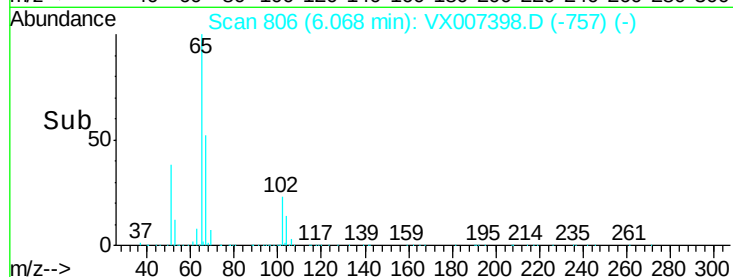
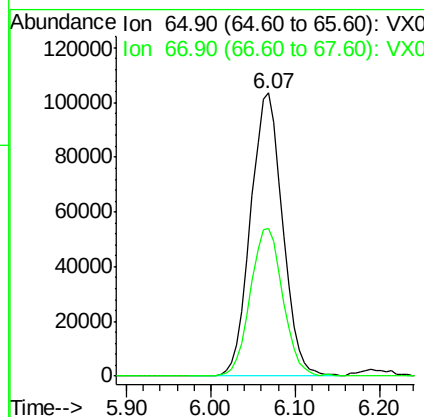
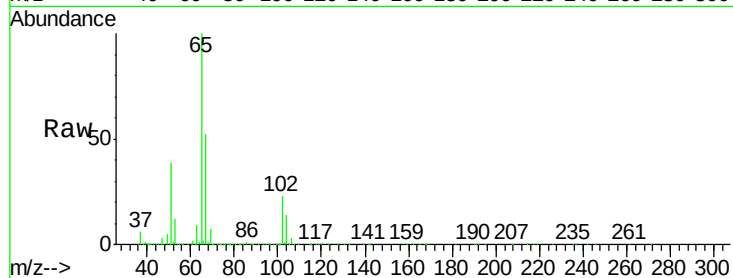
#33
 1,2-Dichloroethane-d4
 Concen: 48.554 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267500		
67	52.6	0.0	108.8	

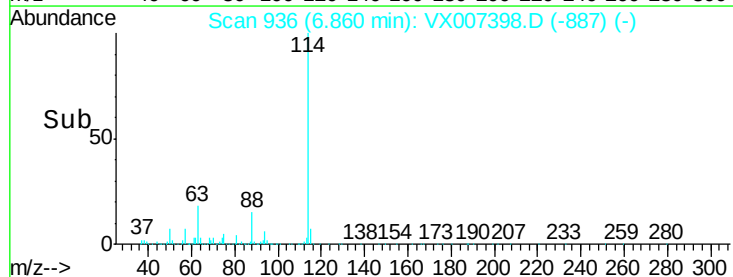
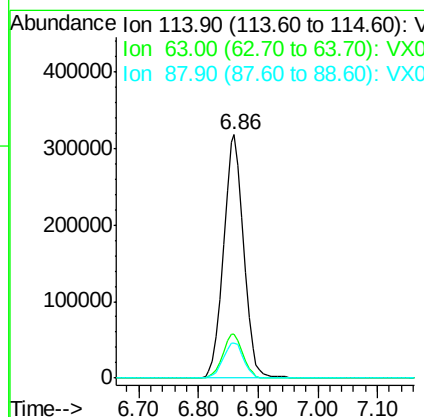
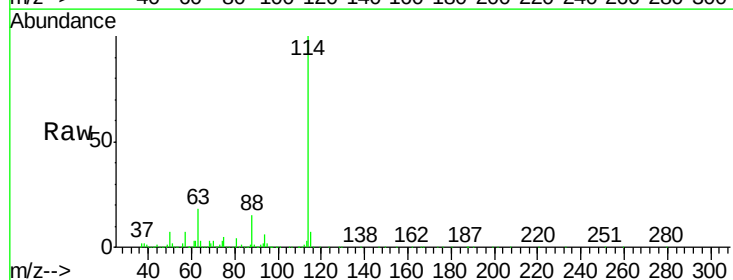
Manual Integrations
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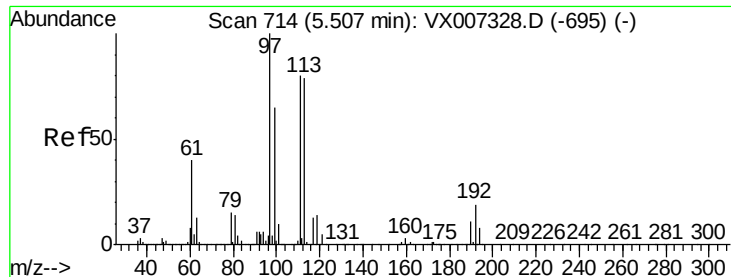
MMDadoda
 2/7/2019 9:52:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	744832		
63	18.2	0.0	35.6	
88	14.5	0.0	29.6	





#35

Dibromofluoromethane

Concen: 48.949 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

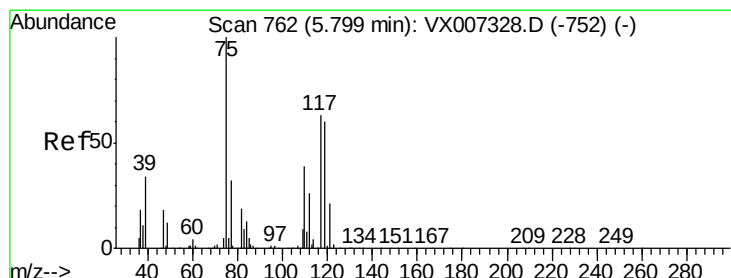
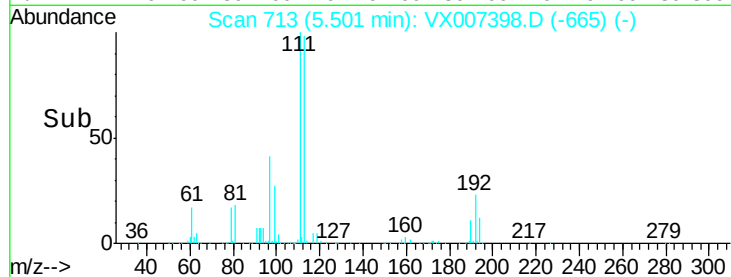
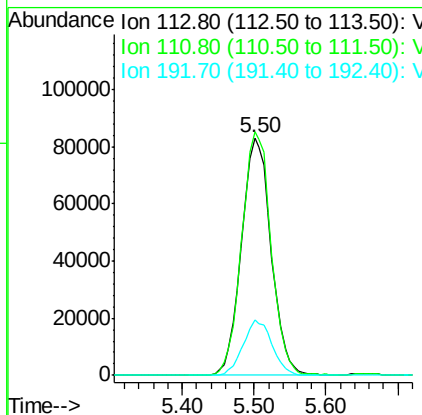
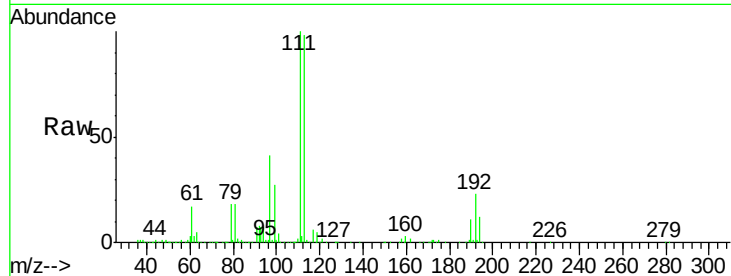
ClientSampleId :

VX0206WBSD01

Tot Ion:	113	Resp:	237222
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.8	122.8
192	22.8	18.5	27.7

Manual Integrations
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2/7/2019 9:52:58 AM



#36

1,1-Dichloropropene

Concen: 16.571 ug/l

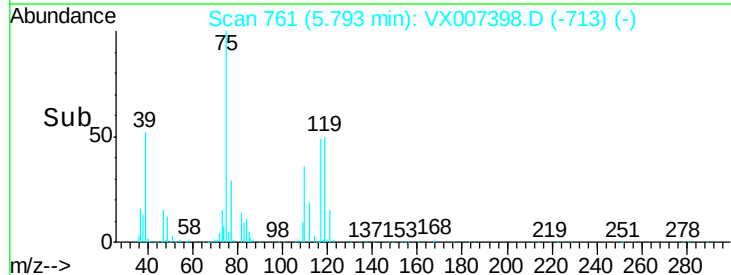
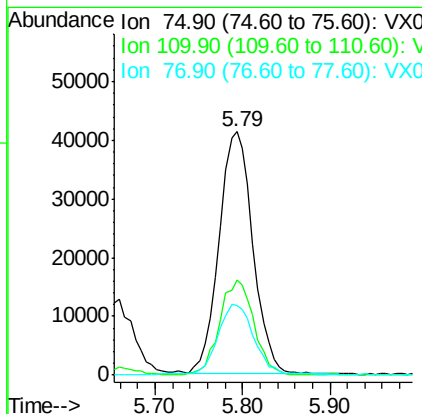
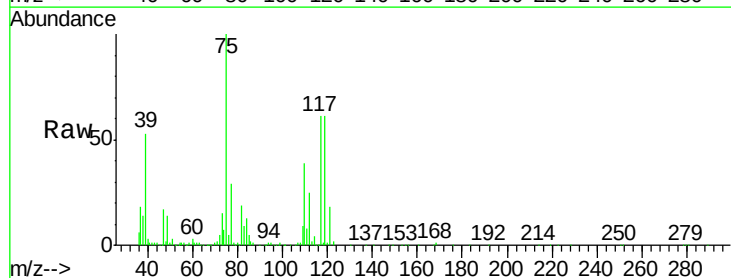
RT: 5.79 min Scan# 761

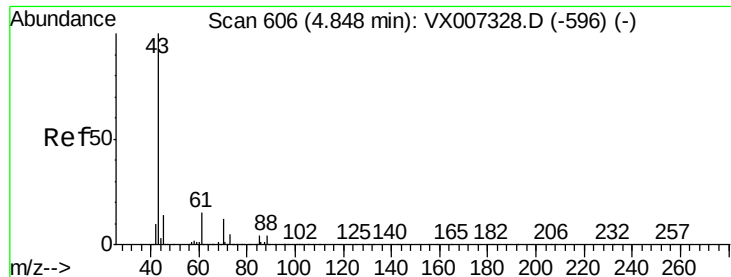
Delta R.T. -0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion:	75	Resp:	110746
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.0	59.9
77	30.8	24.7	37.1





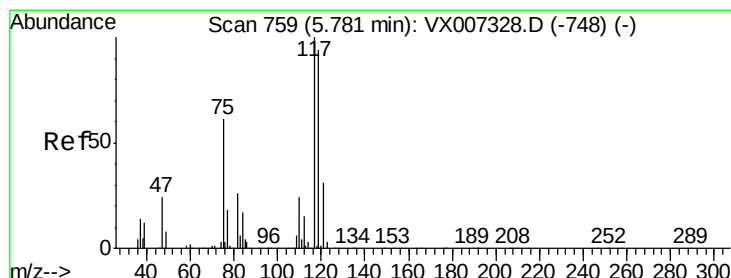
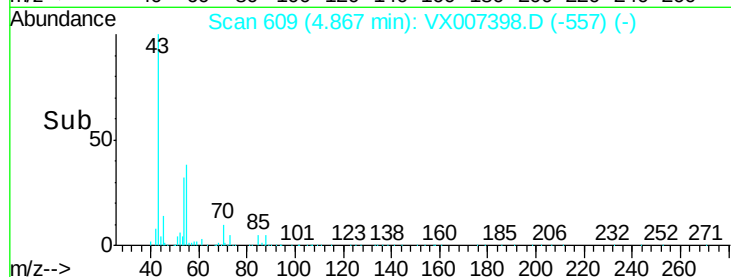
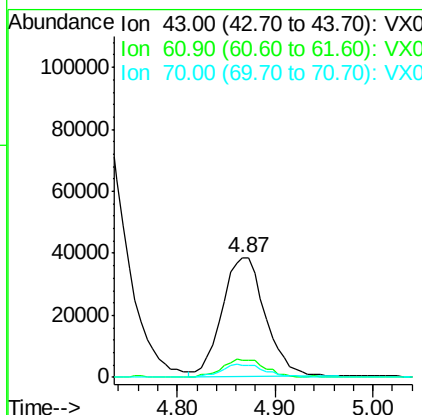
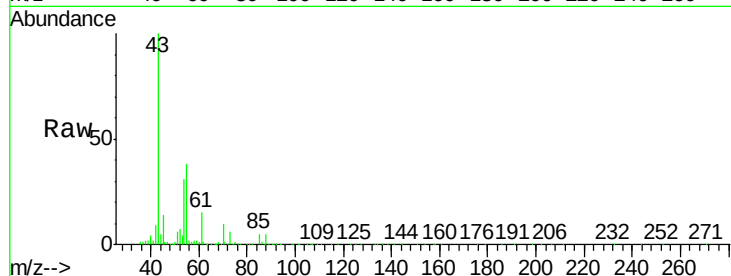
#37
Ethyl Acetate
Concen: 17.416 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.02 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampled :
VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	11.3	8.6	13.0

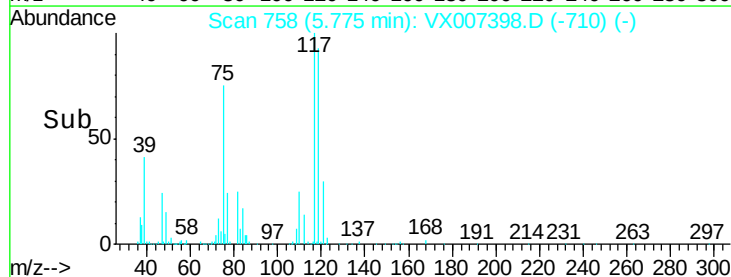
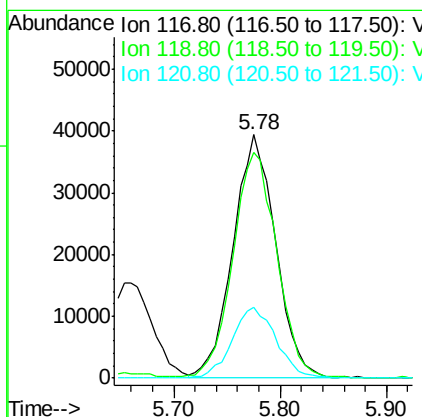
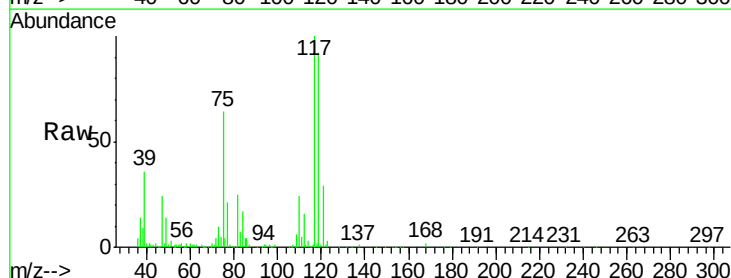
Manual Integrations
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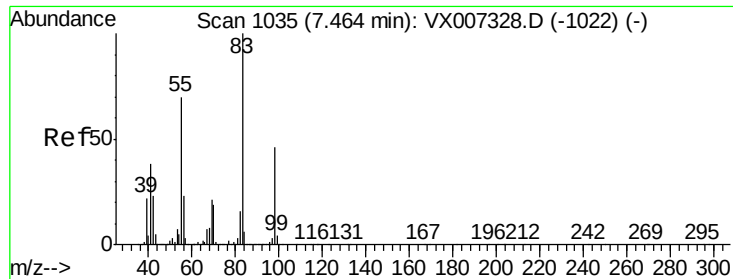
MMDadoda
2/7/2019 9:52:58 AM



#38
Carbon Tetrachloride
Concen: 16.924 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.3	112.9
121	29.3	25.0	37.4





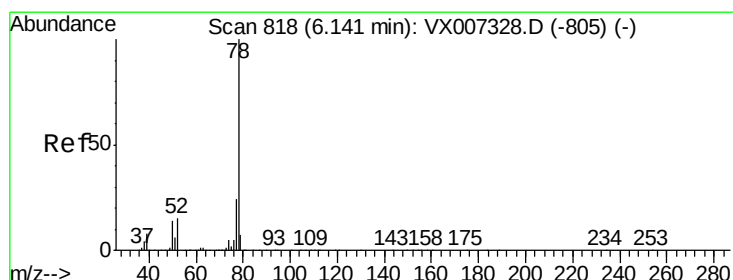
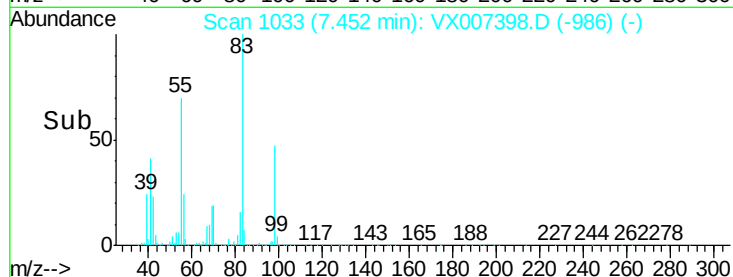
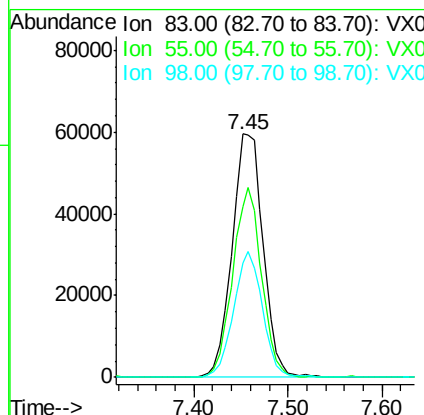
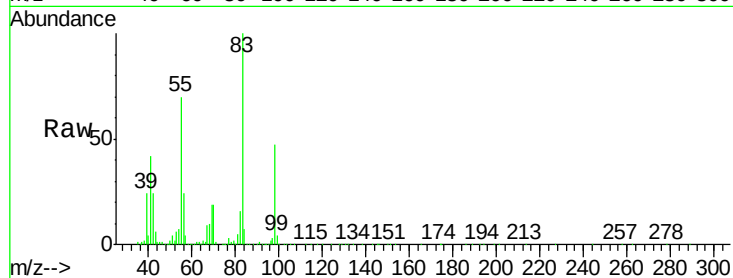
#39
Methylvlcyclohexane
Concen: 16.885 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	56.2	84.2
98	46.7	36.8	55.2

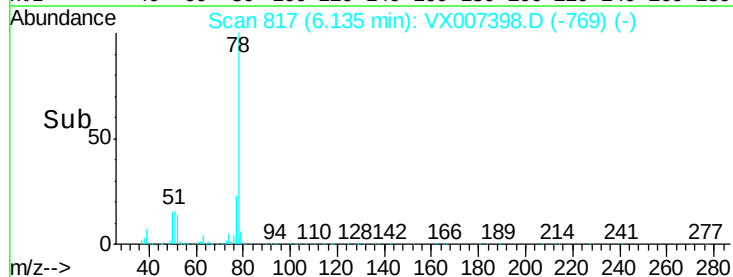
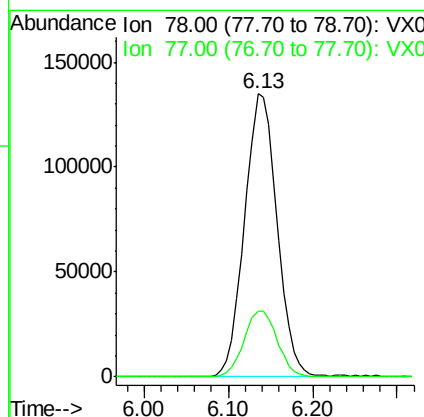
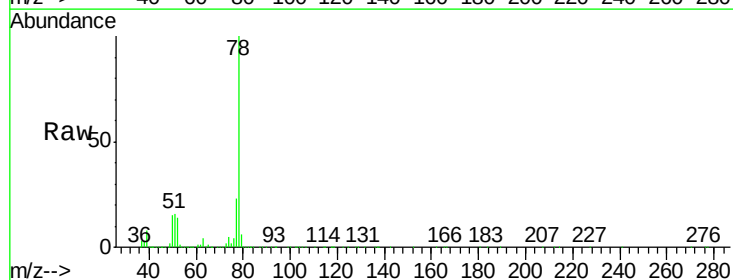
Manual Integrations
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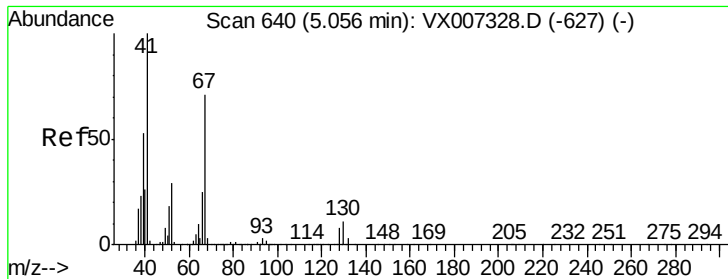
MMDadoda
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#40
Benzene
Concen: 17.914 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9





#41

Methacrylonitrile

Concen: 18.185 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

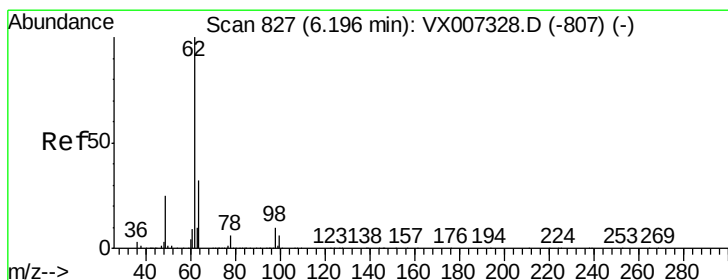
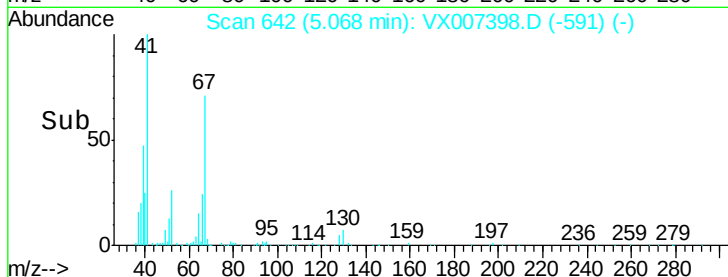
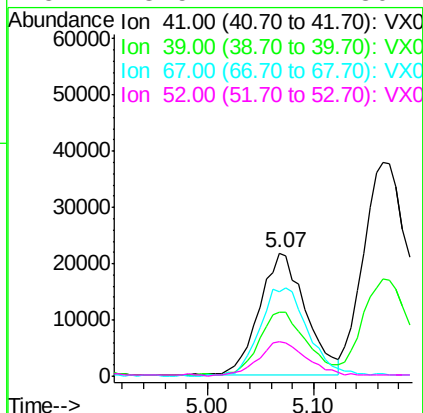
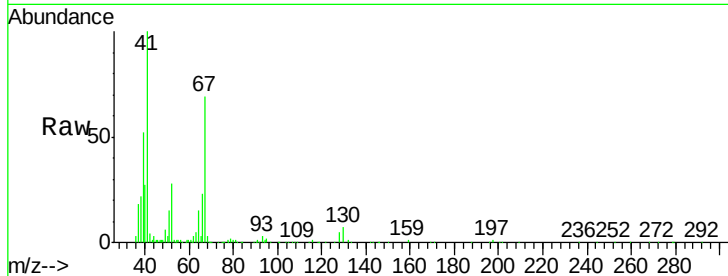
ClientSampleId :

VX0206WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.0	44.5	66.7	
67	76.5	60.4	90.6	
52	28.5	24.1	36.1	

Manual Integrations
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2/7/2019 9:52:58 AM



#42

1,2-Dichloroethane

Concen: 17.579 ug/l

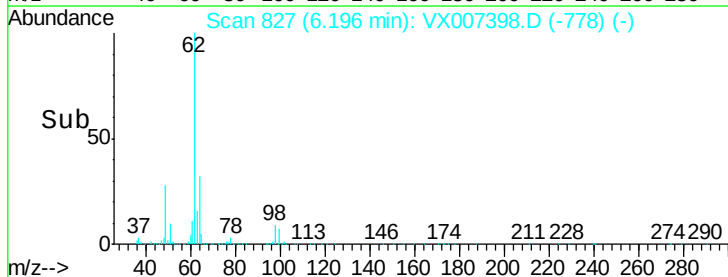
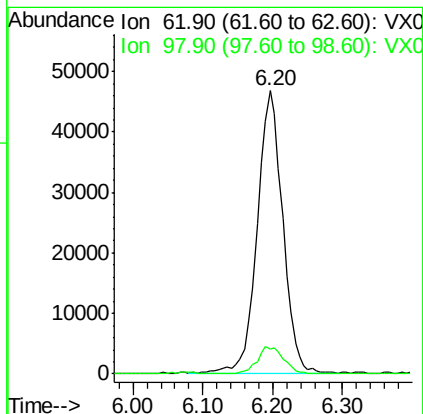
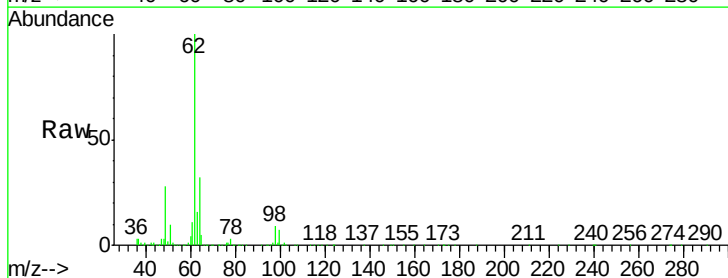
RT: 6.20 min Scan# 827

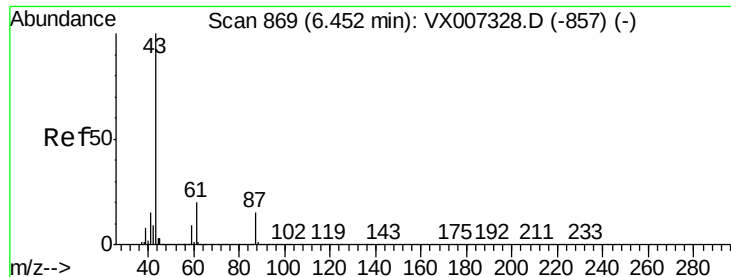
Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.0	





#43

Isopropyl Acetate

Concen: 17.242 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.02 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

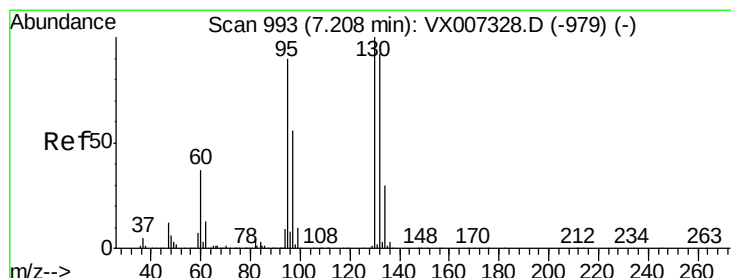
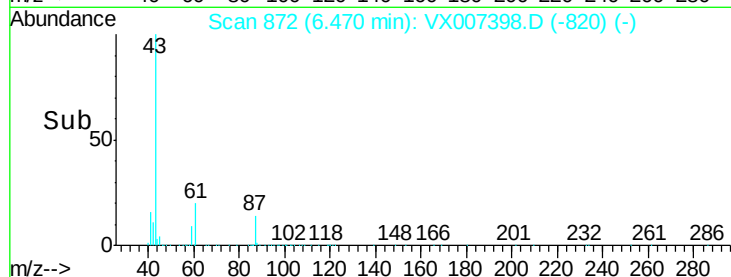
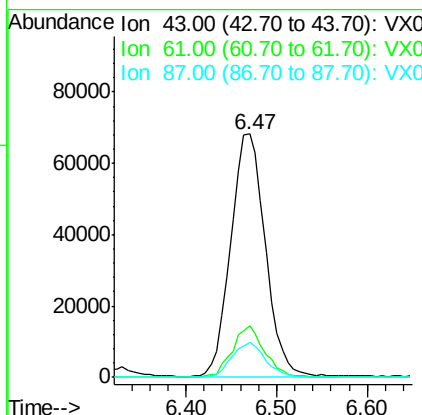
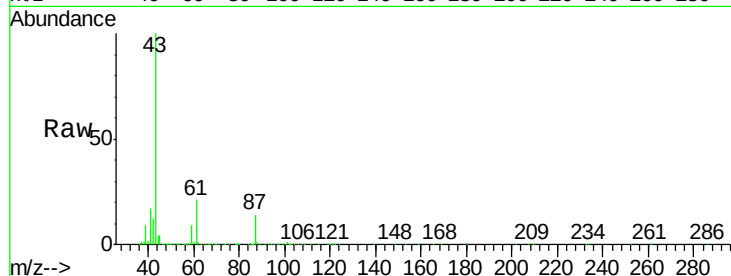
ClientSampleId :

VX0206WBSD01

Tot Ion:	43	Resp:	179791
Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.1	24.1
87	14.1	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 17.158 ug/l

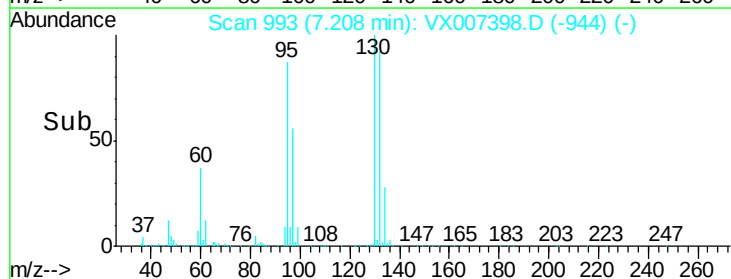
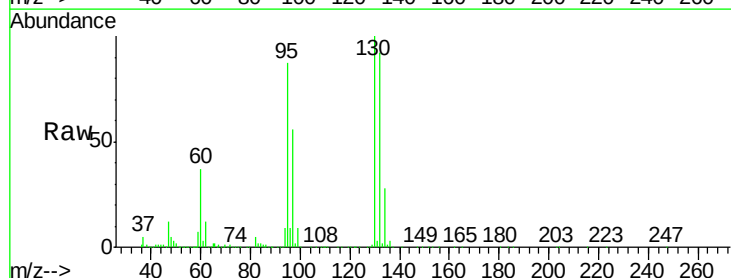
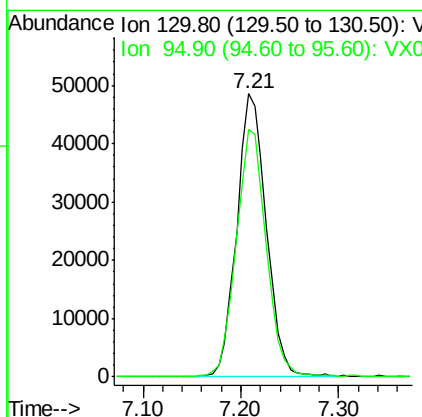
RT: 7.21 min Scan# 993

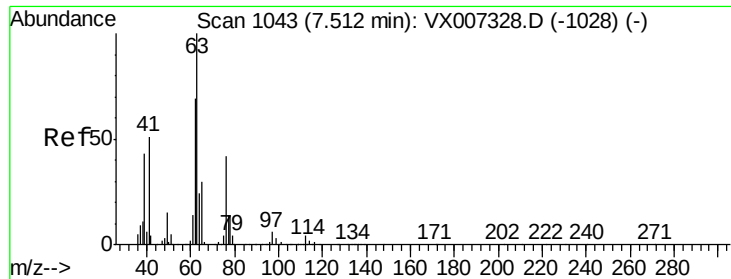
Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion:	130	Resp:	101731
Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	180.0





#45

1,2-Dichloropropane

Concen: 17.435 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 63 Resp: 85995

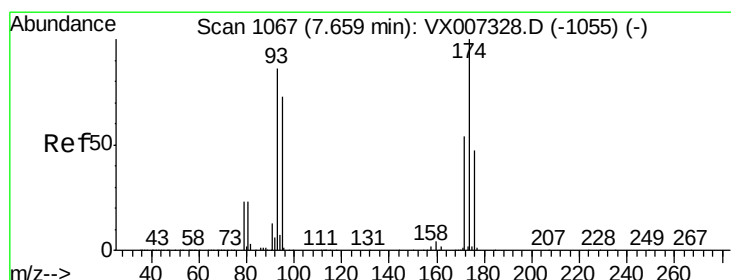
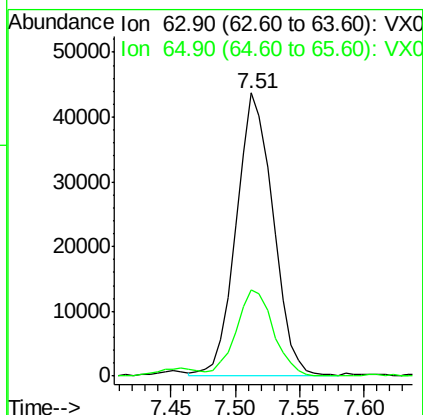
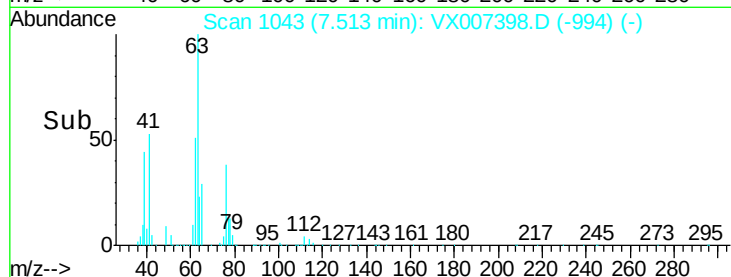
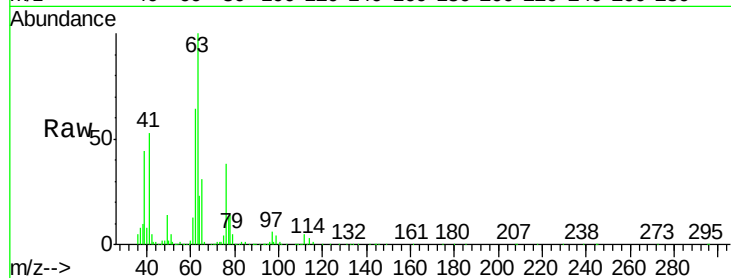
Ion Ratio Lower Upper

63 100

65 30.4 24.2 36.2

Manual Integrations
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2/7/2019 9:52:58 AM



#46

Dibromomethane

Concen: 16.916 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

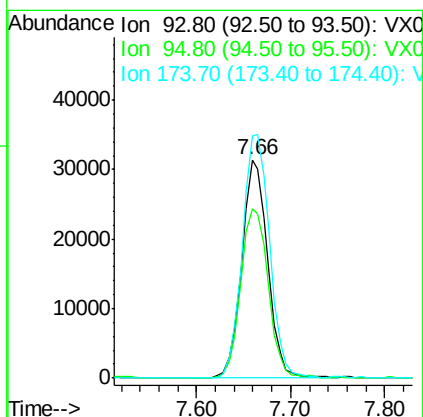
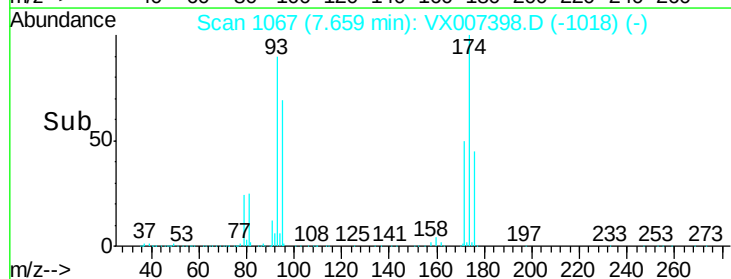
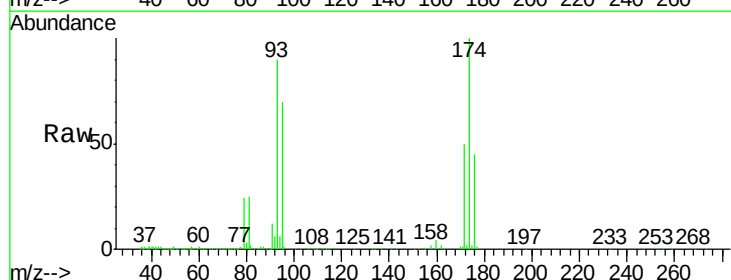
Tgt Ion: 93 Resp: 60643

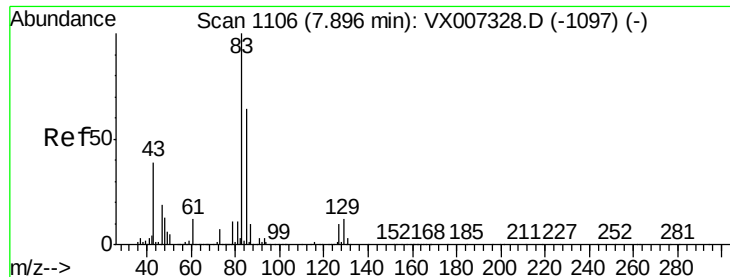
Ion Ratio Lower Upper

93 100

95 82.3 67.6 101.4

174 117.1 94.2 141.4





#47

Bromodichloromethane

Concen: 15.873 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

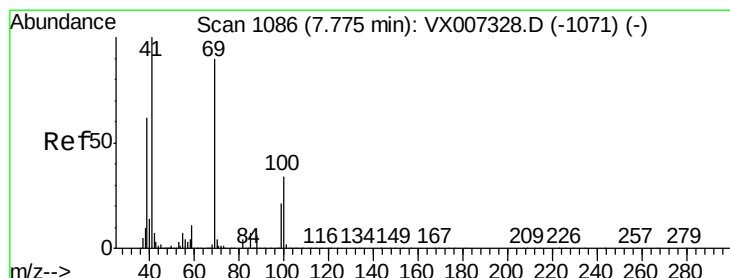
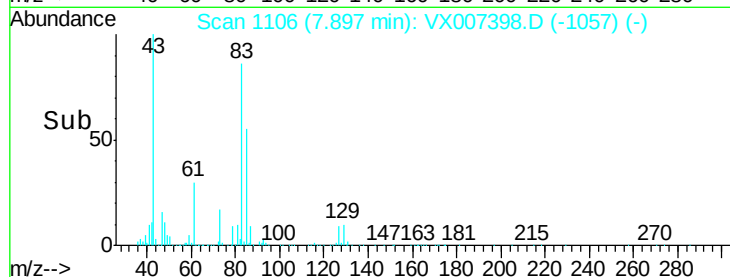
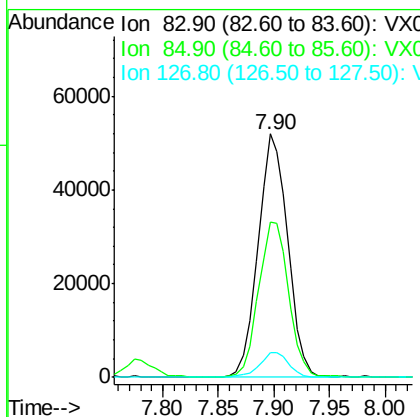
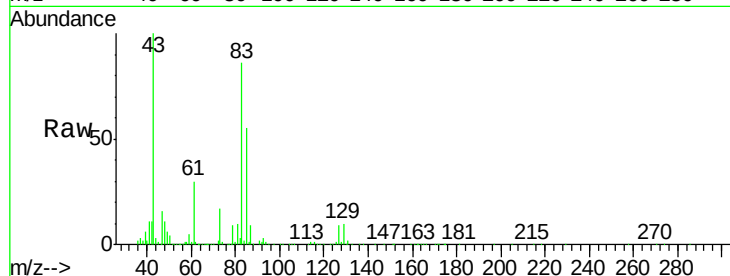
ClientSampleId :

VX0206WBSD01

Tot Ion:	83	Resp:	96434
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0
127	10.4	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.344 ug/l

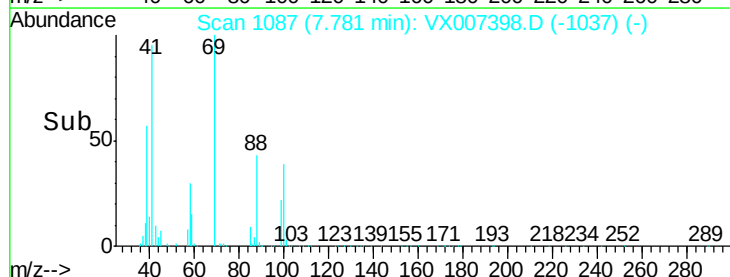
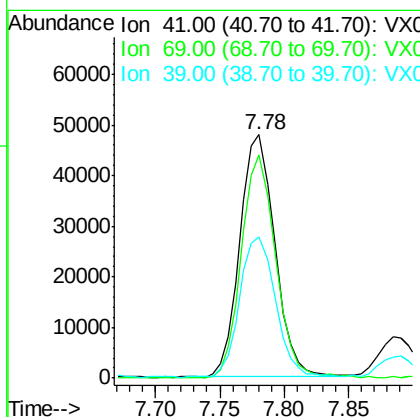
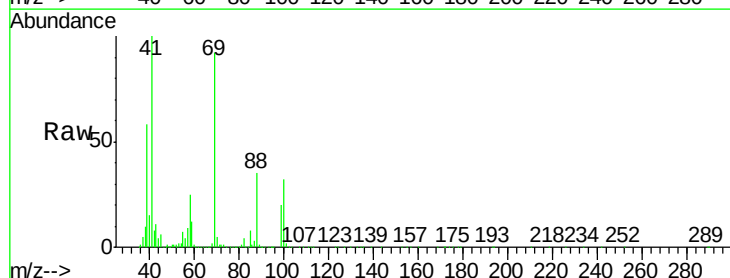
RT: 7.78 min Scan# 1087

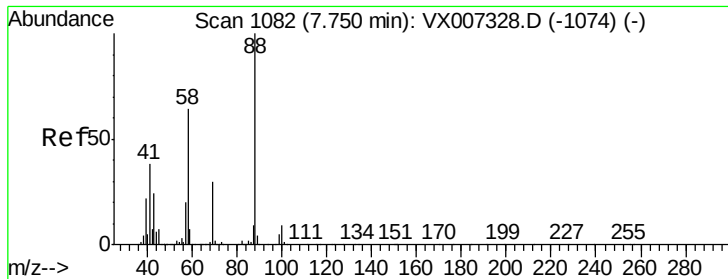
Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion:	41	Resp:	90462
Ion	Ratio	Lower	Upper
41	100		
69	90.0	70.2	105.4
39	59.3	47.4	71.0





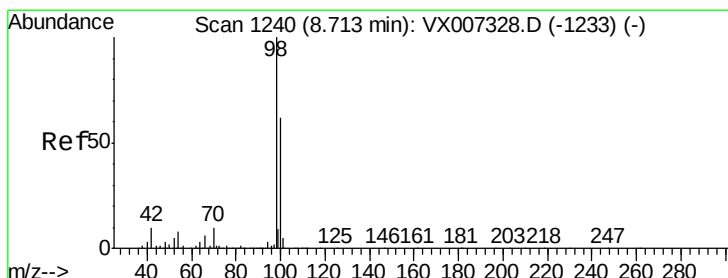
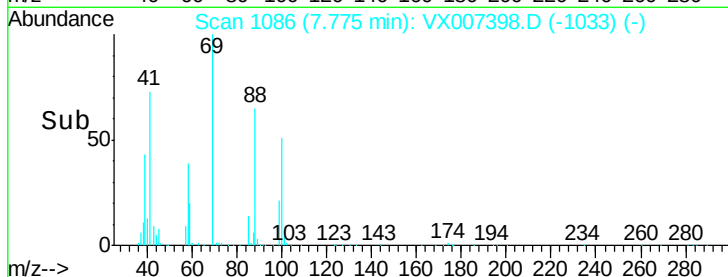
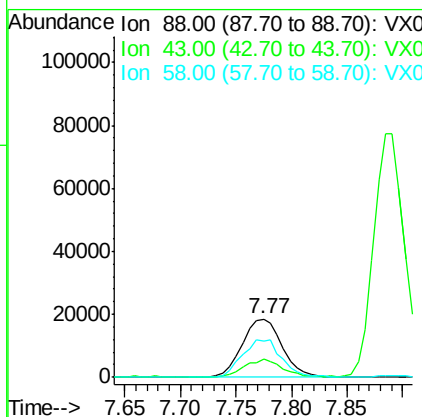
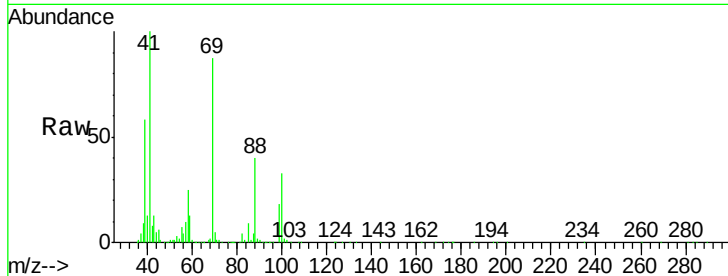
#49
 1,4-Dioxane
 Concen: 392.789 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.02 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	24.2	36.4
58	62.3	53.0	79.4

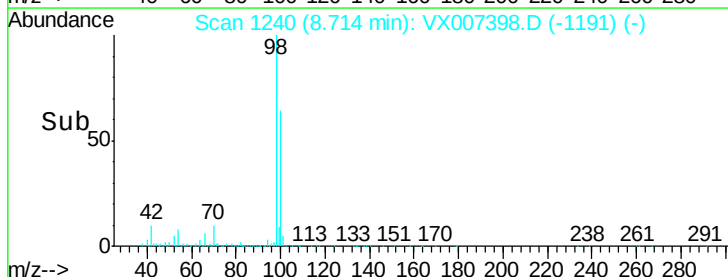
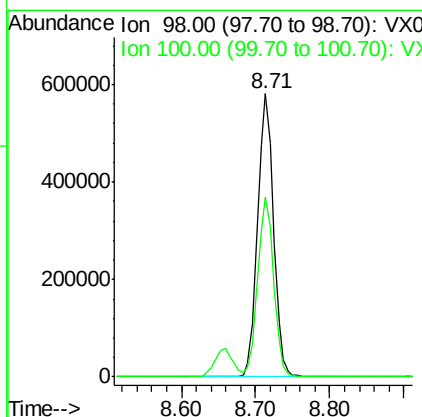
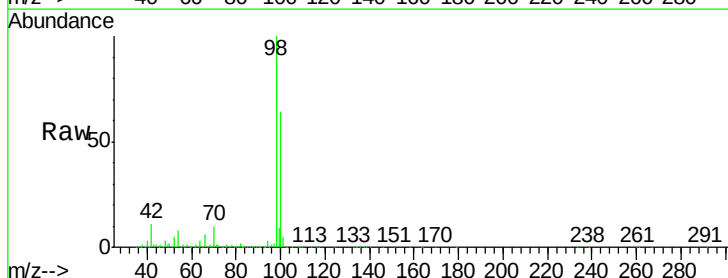
Manual Integrations
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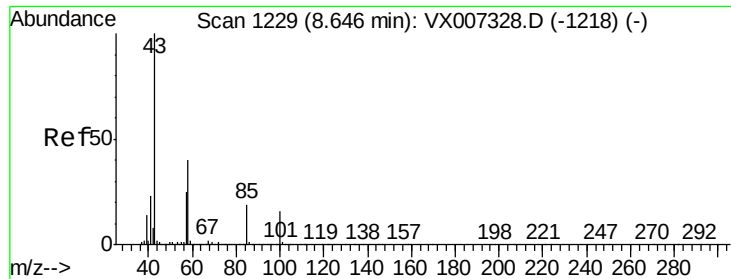
MMDadoda
 2/7/2019 9:52:58 AM



#50
 Toluene-d8
 Concen: 48.768 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 90.638 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 43 Resp: 622178

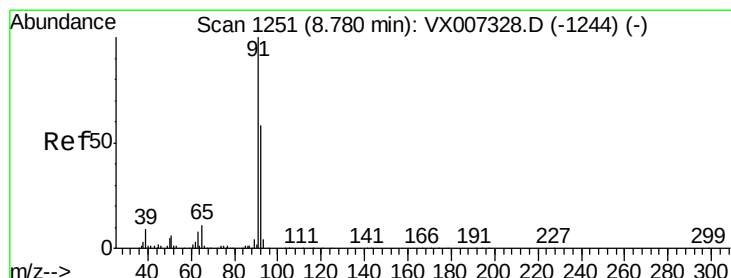
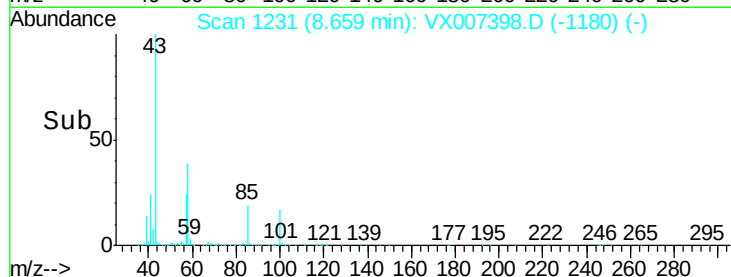
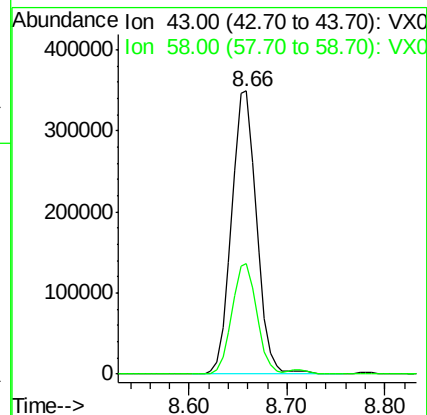
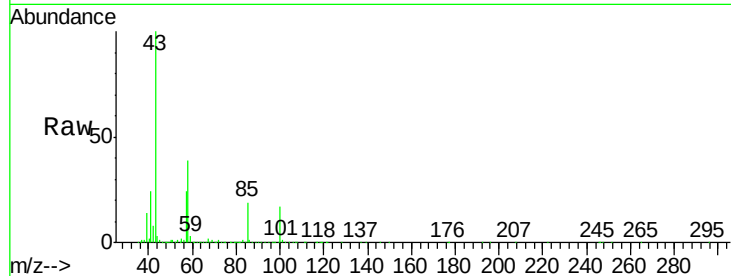
Ion Ratio Lower Upper

43 100

58 38.7 31.2 46.8

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2/7/2019 9:52:58 AM



#52

Toluene

Concen: 17.302 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007398.D

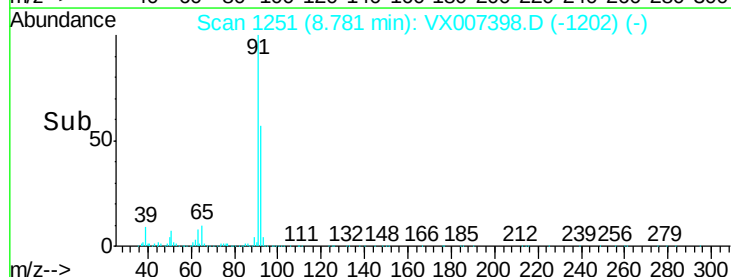
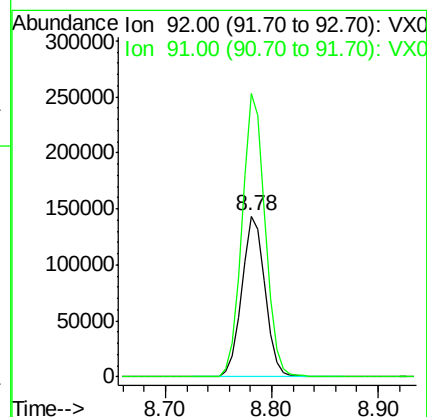
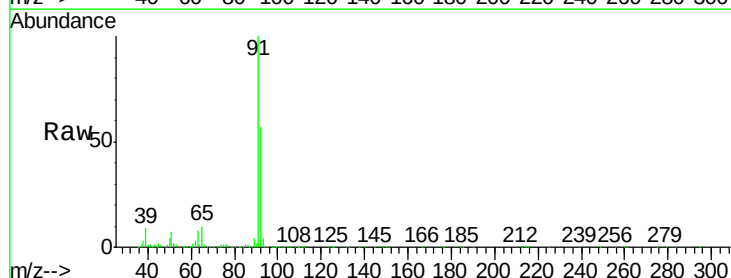
Acq: 06 Feb 2019 14:38

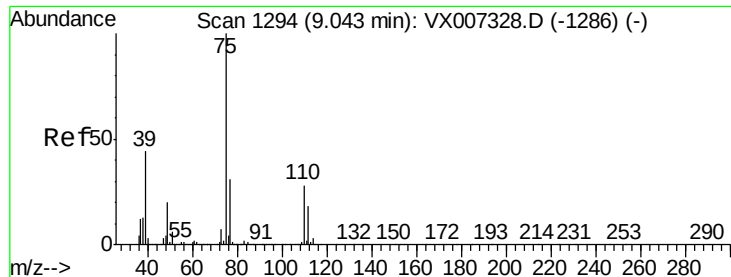
Tgt Ion: 92 Resp: 219752

Ion Ratio Lower Upper

92 100

91 175.3 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 15.600 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 75 Resp: 101806

Ion Ratio Lower Upper

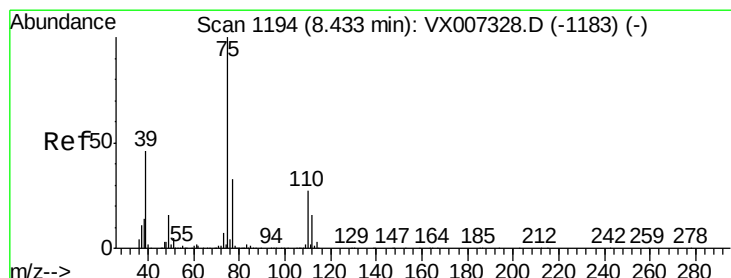
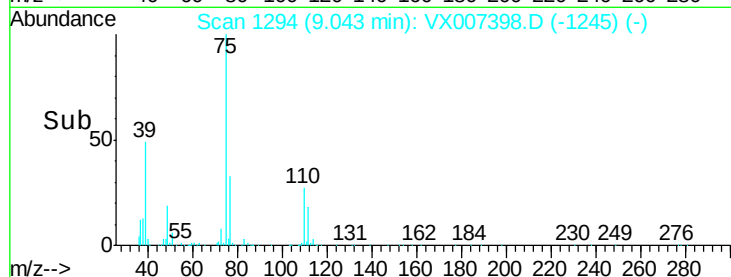
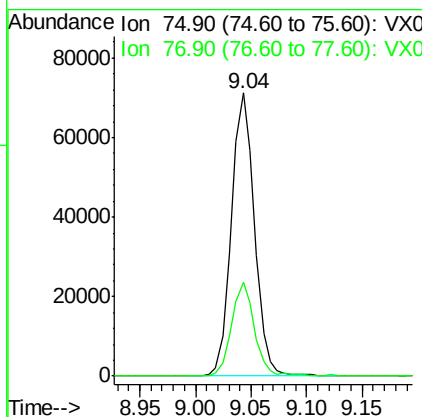
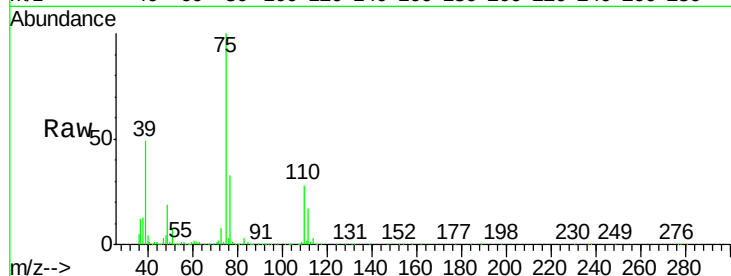
75 100

77 32.8 25.2 37.8

Manual Integrations
APPROVED

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#54

cis-1,3-Dichloropropene

Concen: 16.822 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

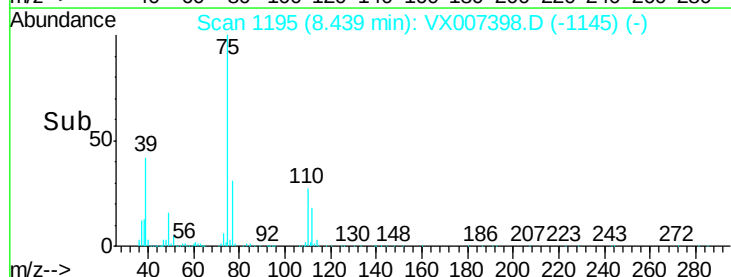
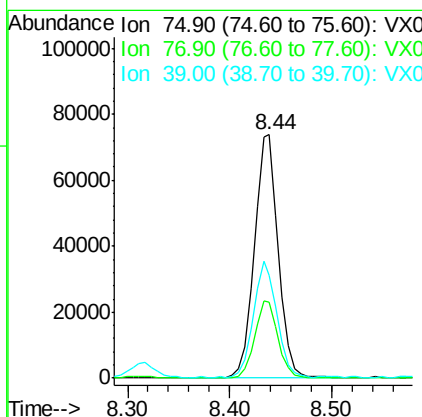
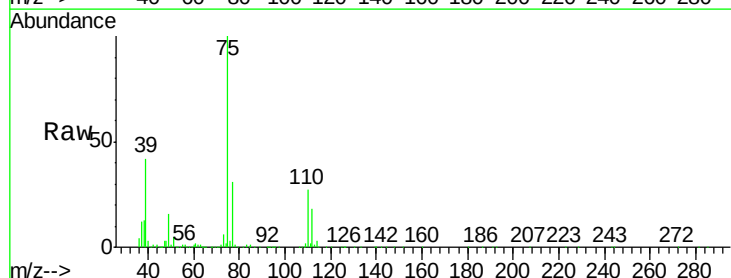
Tgt Ion: 75 Resp: 120729

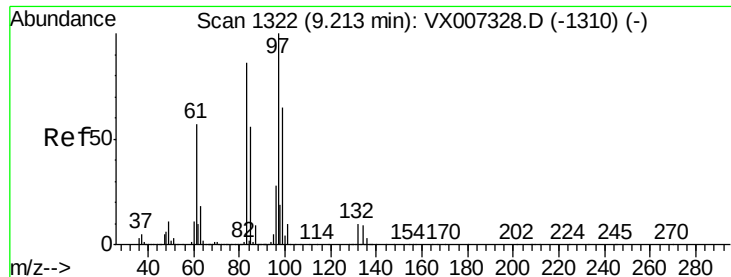
Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.4

39 42.0 37.1 55.7





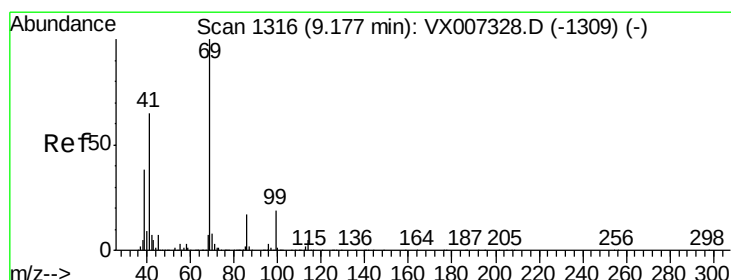
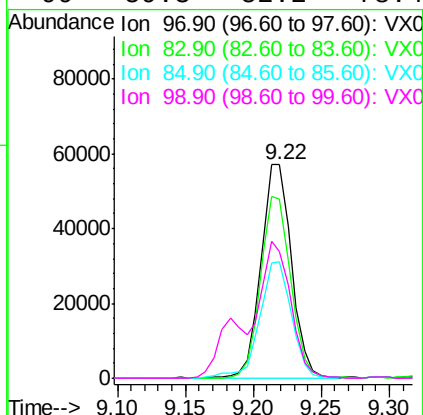
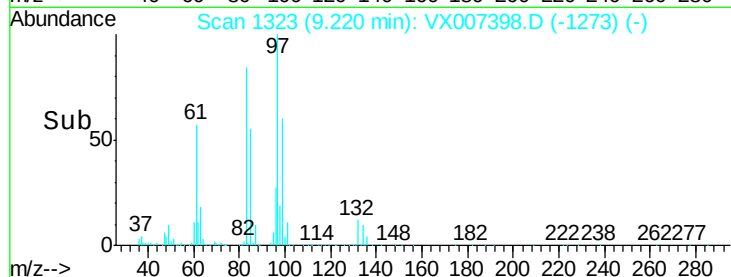
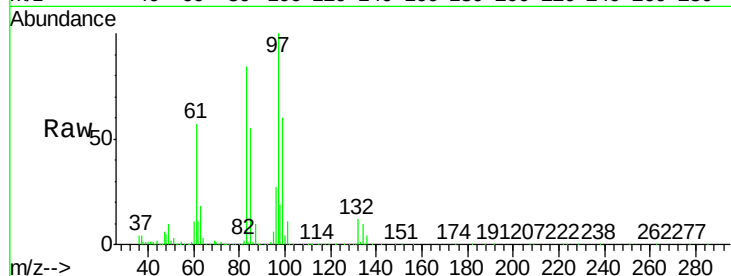
#55
1,1,2-Trichloroethane
Concen: 16.982 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		89911		
83	84.1	68.6	102.8		
85	54.7	44.5	66.7		
99	59.3	52.2	78.4		

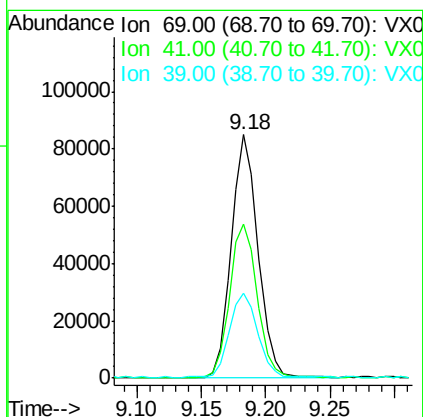
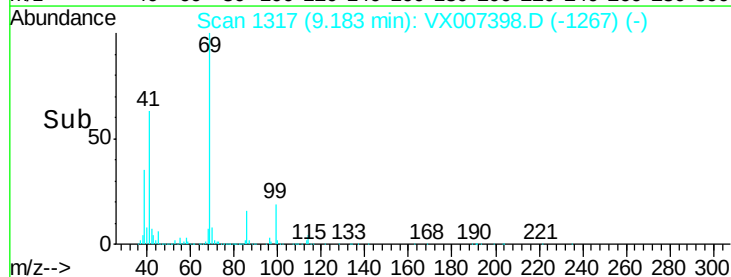
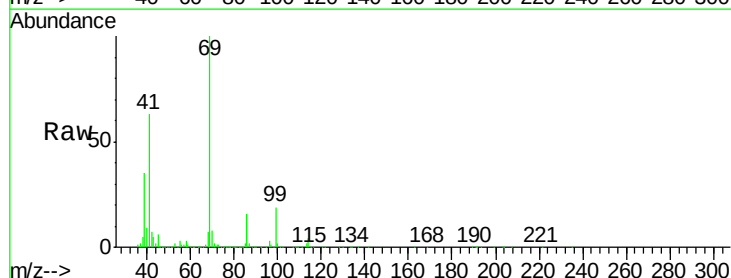
Manual Integrations
APPROVED

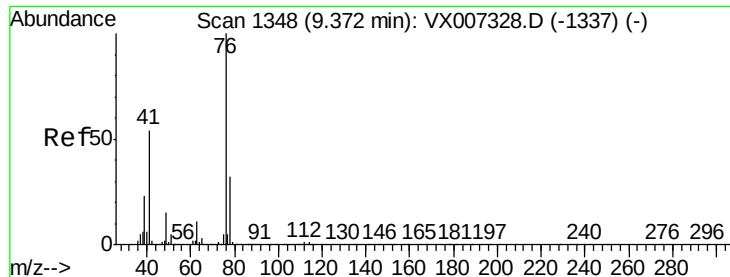
MMDadoda
2/7/2019 9:52:58 AM



#56
Ethyl methacrylate
Concen: 16.843 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		123507		
41	64.9	52.1	78.1		
39	36.9	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 17.348 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 76 Resp: 146065

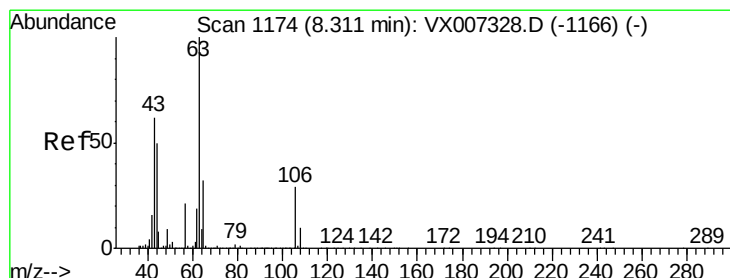
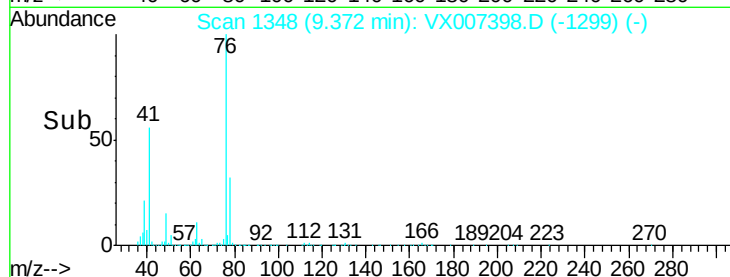
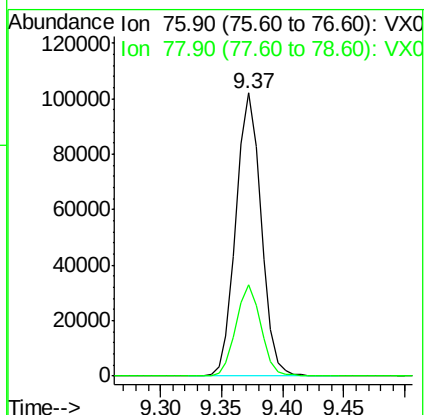
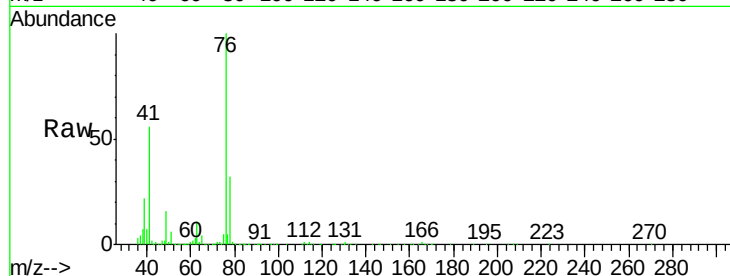
Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/7/2019 9:52:58 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.247 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007398.D

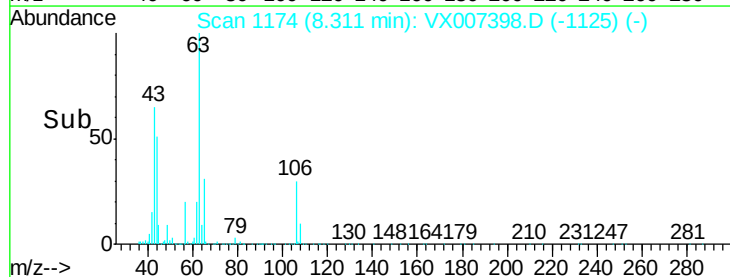
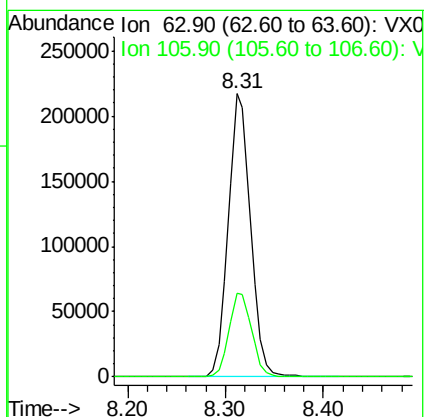
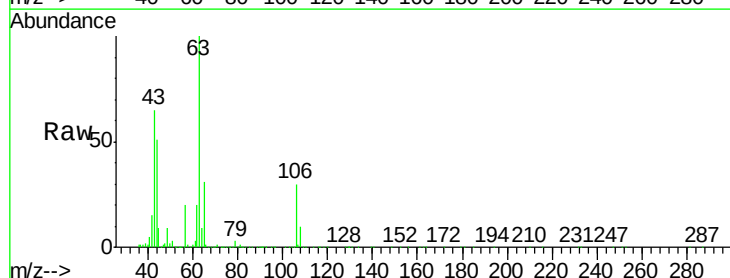
Acq: 06 Feb 2019 14:38

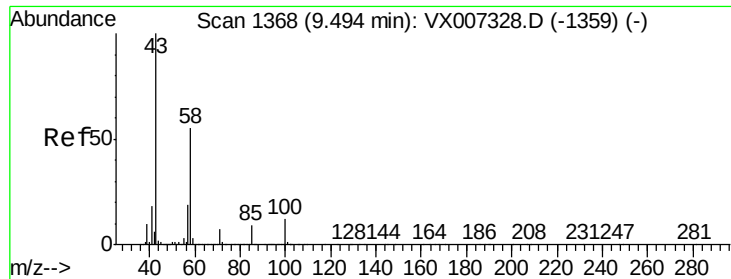
Tgt Ion: 63 Resp: 341073

Ion Ratio Lower Upper

63 100

106 30.5 23.6 35.4





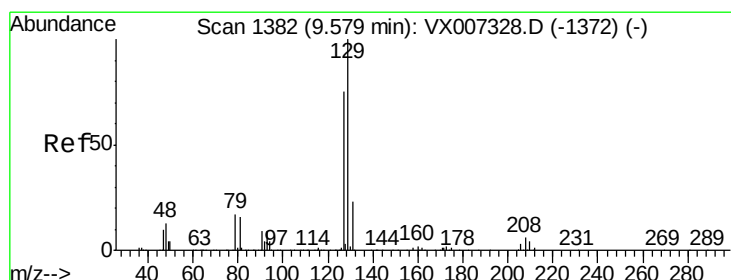
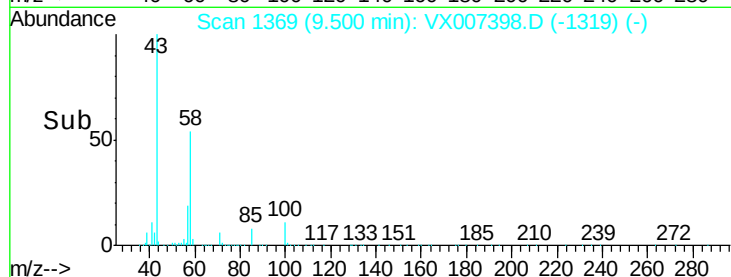
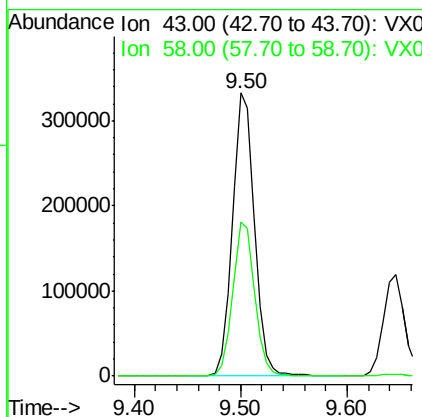
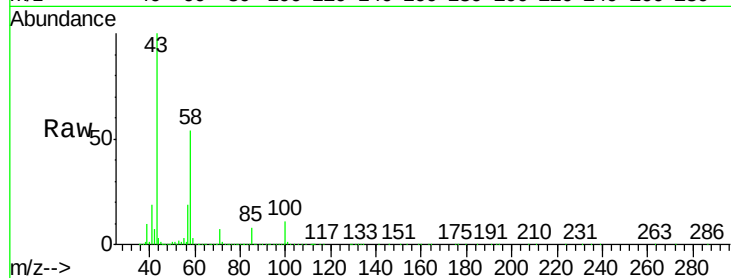
#59
2-Hexanone
Concen: 90.175 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion: 43 Resp: 481683
Ion Ratio Lower Upper
43 100
58 54.5 27.1 81.3

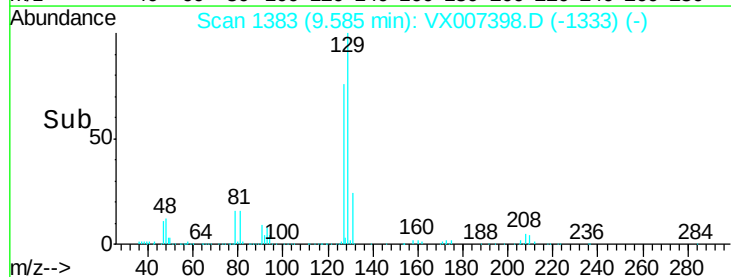
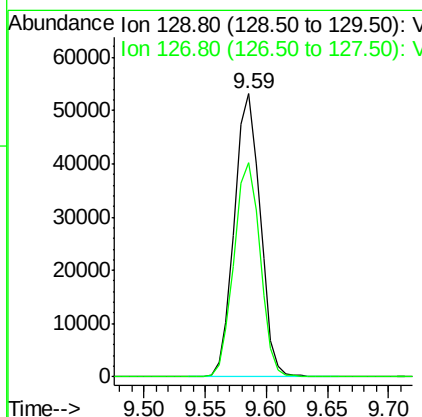
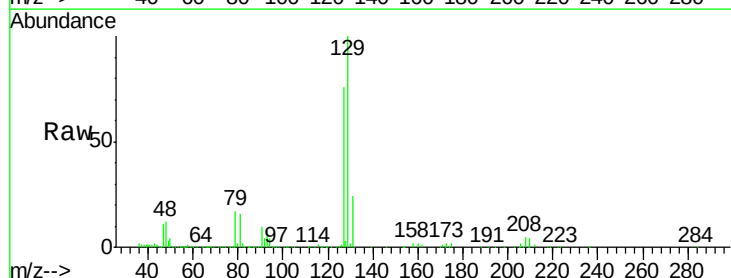
Manual Integrations
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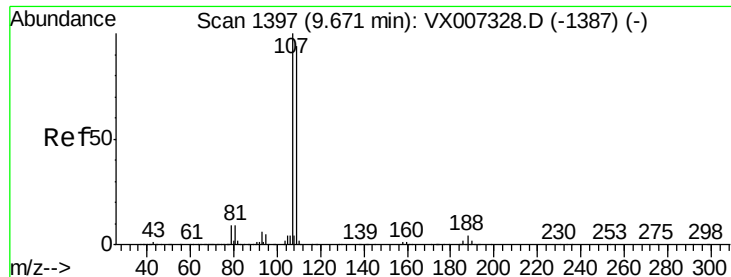
MMDadoda
2/7/2019 9:52:58 AM



#60
Dibromochloromethane
Concen: 15.566 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion: 129 Resp: 77943
Ion Ratio Lower Upper
129 100
127 76.7 37.8 113.4





#61

1,2-Dibromoethane

Concen: 17.047 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion:107 Resp: 95578

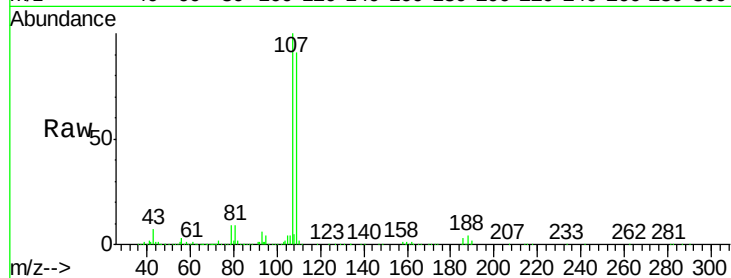
Ion Ratio Lower Upper

107 100

109 93.5 75.1 112.7

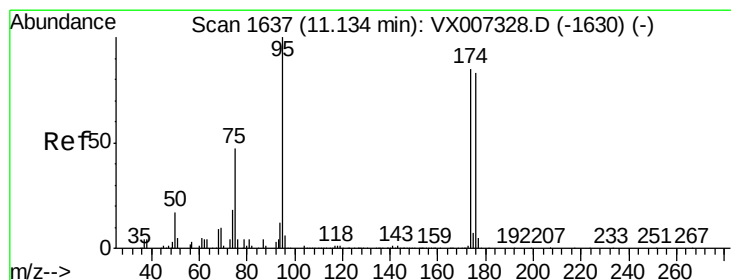
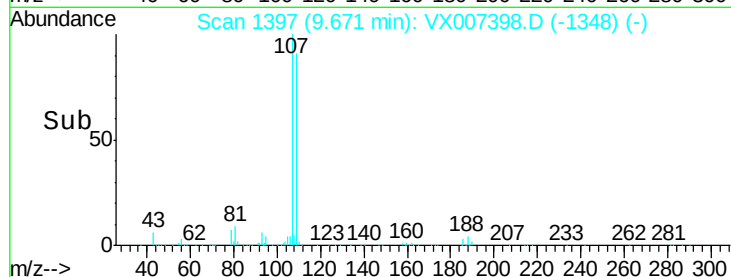
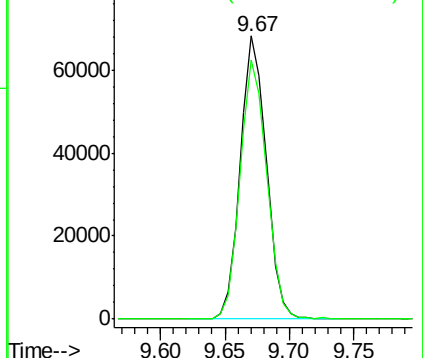
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.319 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

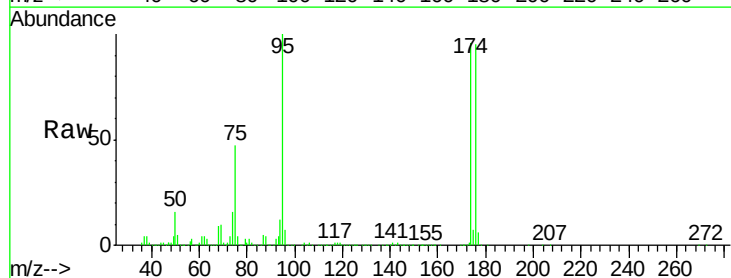
Tgt Ion: 95 Resp: 290947

Ion Ratio Lower Upper

95 100

174 96.9 0.0 189.2

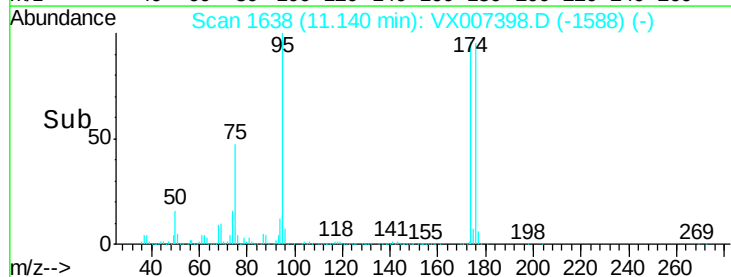
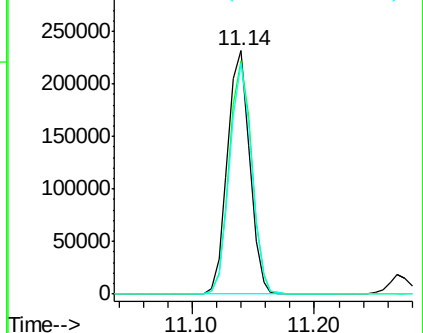
176 93.4 0.0 186.2

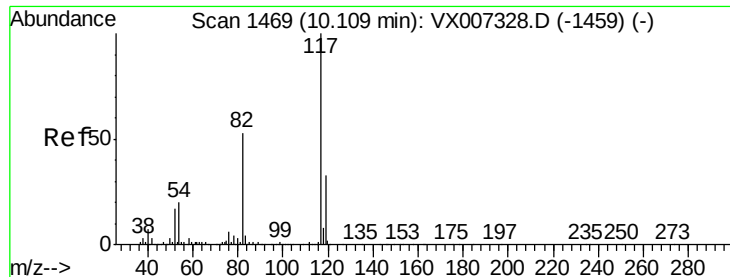


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





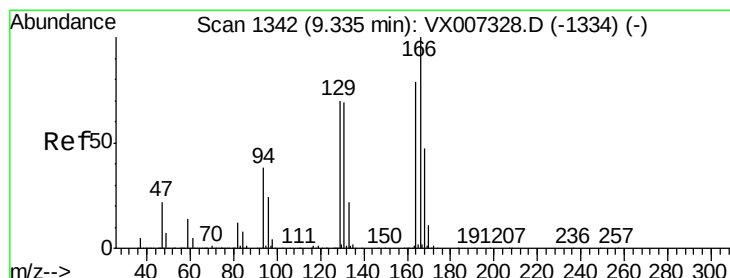
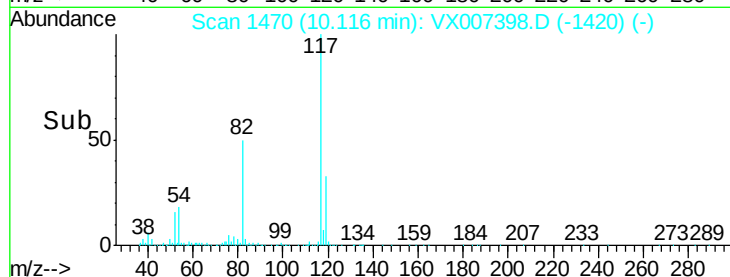
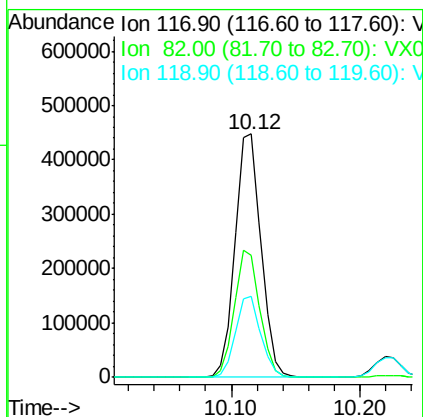
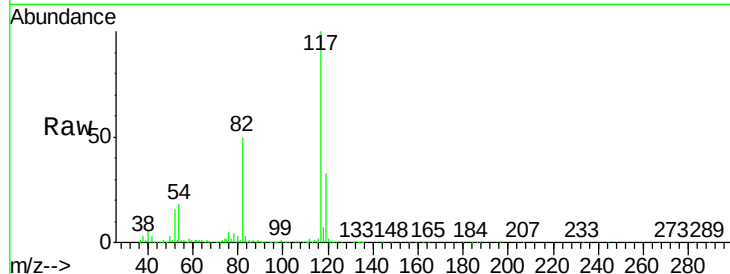
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	629110		
82	50.0	42.1	63.1	
119	33.2	26.5	39.7	

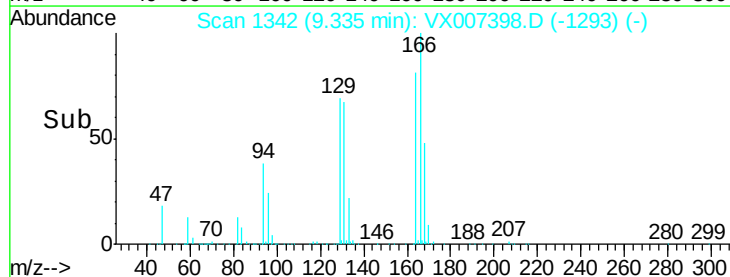
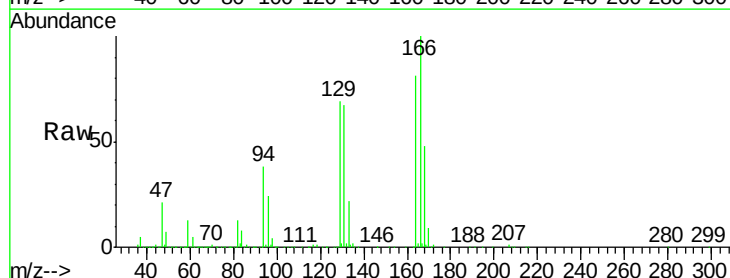
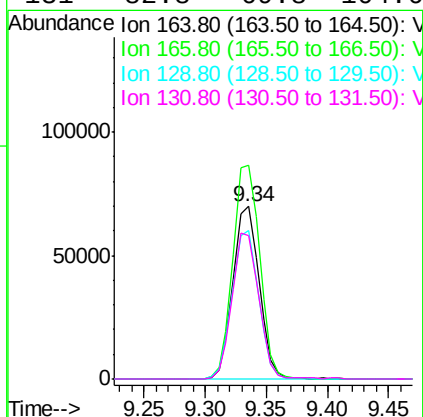
Manual Integrations
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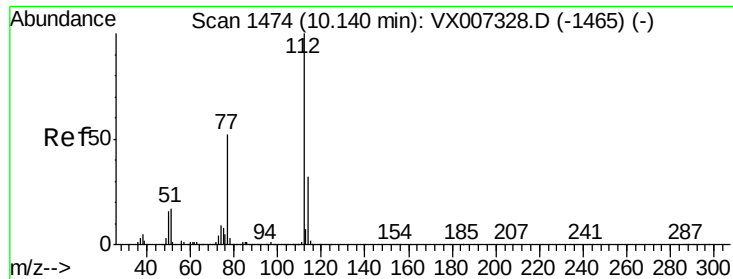
MMDadoda
2/7/2019 9:52:58 AM



#64
Tetrachloroethene
Concen: 17.474 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	103613		
166	123.7	101.0	151.4	
129	85.8	70.5	105.7	
131	82.8	69.8	104.6	





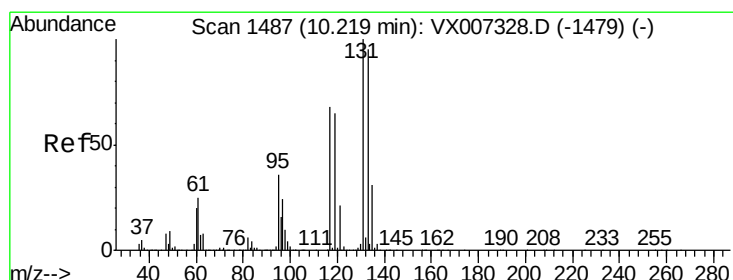
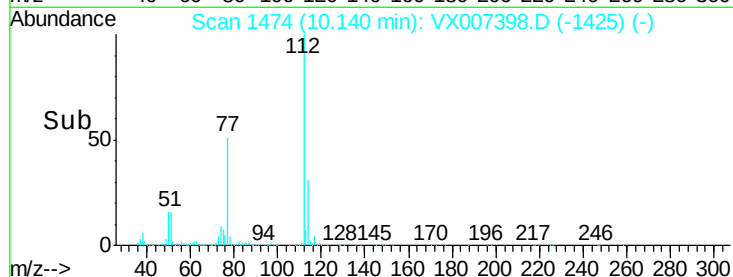
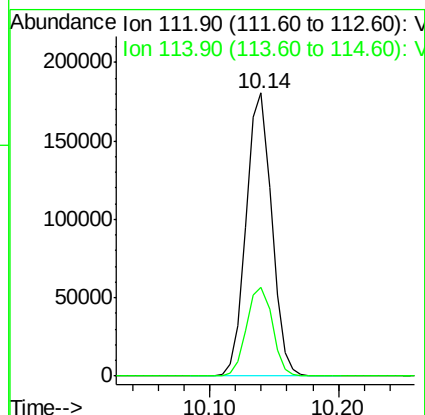
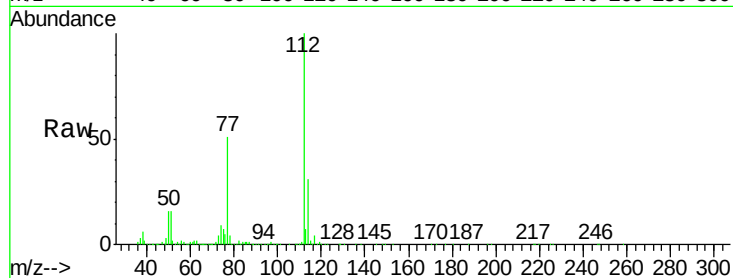
#65
Chlorobenzene
Concen: 18.026 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion:112 Resp: 247461
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

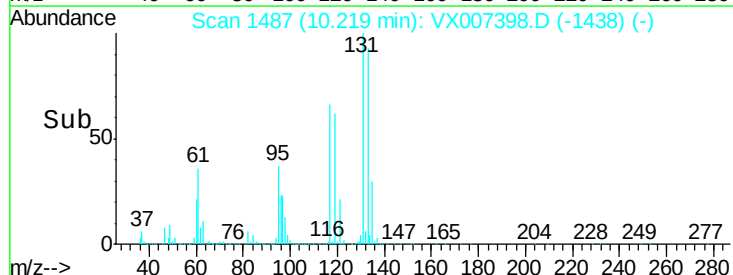
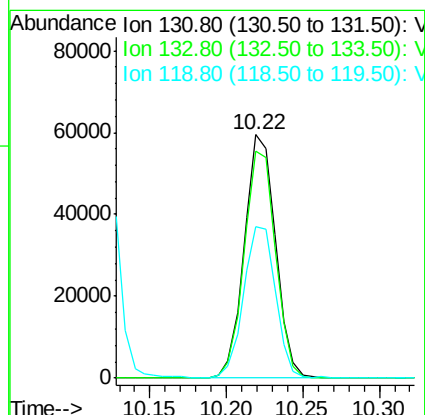
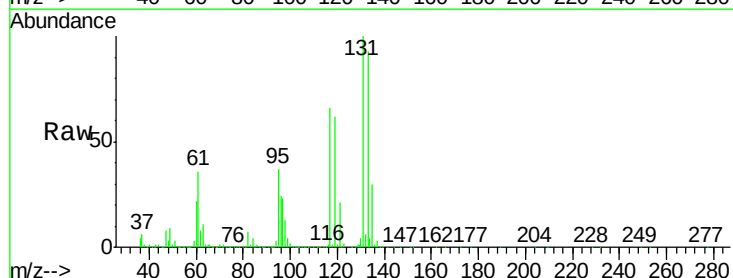
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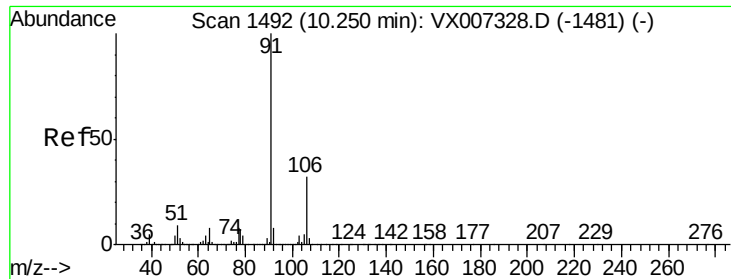
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.297 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion:131 Resp: 84217
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.2
119 63.9 32.0 96.0





#67

Ethyl Benzene

Concen: 18.249 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampled :

VX0206WBSD01

Tot Ion: 91 Resp: 403456

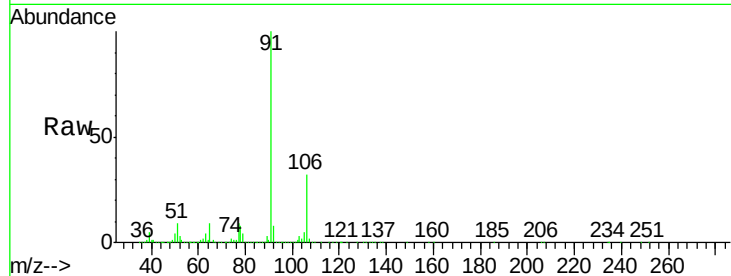
Ion Ratio Lower Upper

91 100

106 32.5 25.4 38.0

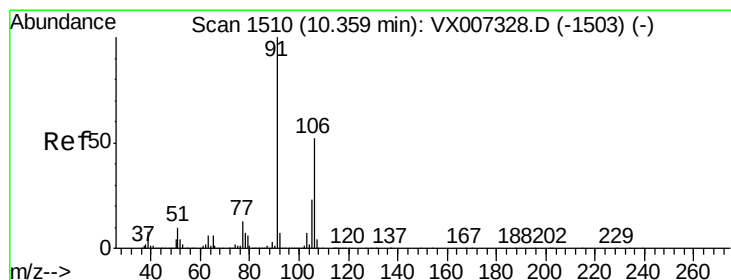
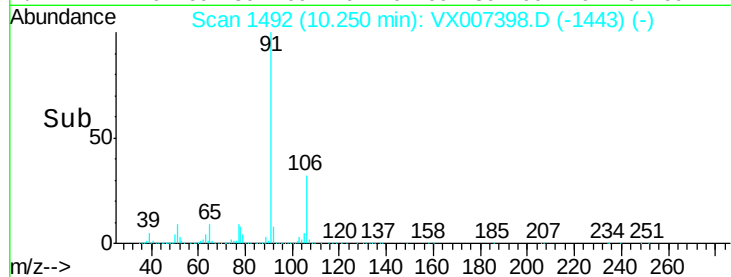
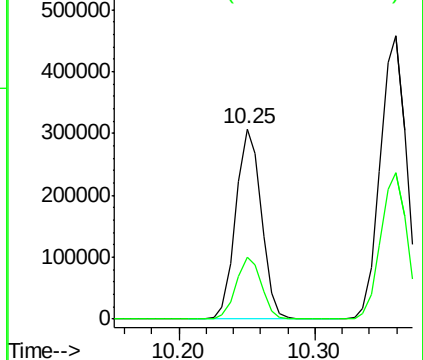
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.377 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007398.D

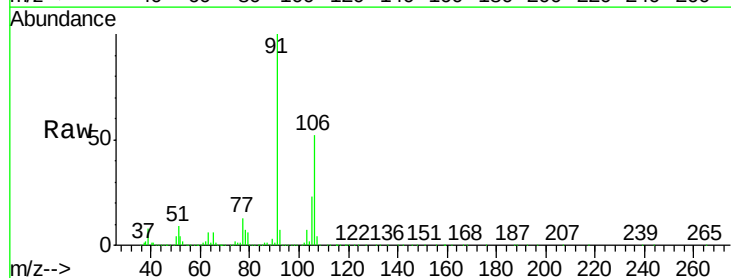
Acq: 06 Feb 2019 14:38

Tgt Ion: 106 Resp: 319684

Ion Ratio Lower Upper

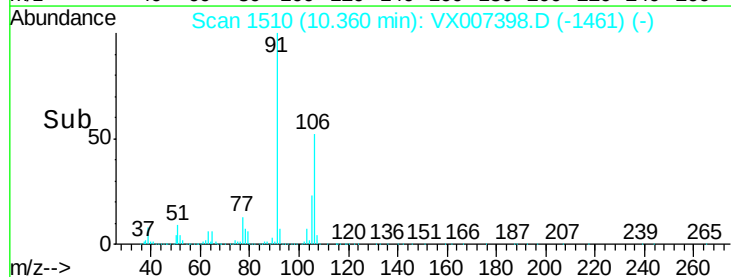
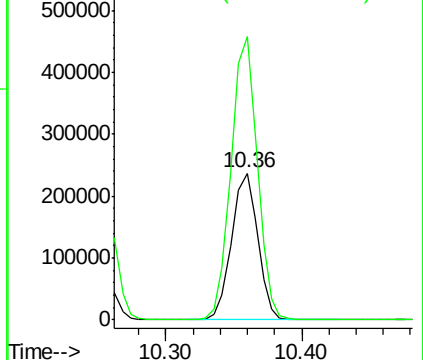
106 100

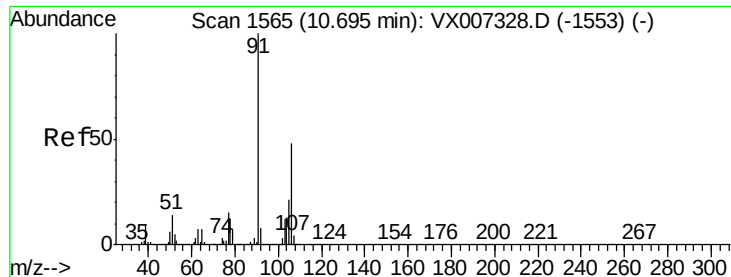
91 193.0 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

o-Xylene

Concen: 18.535 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleID :

VX0206WBSD01

Tot Ion:106 Resp: 156737

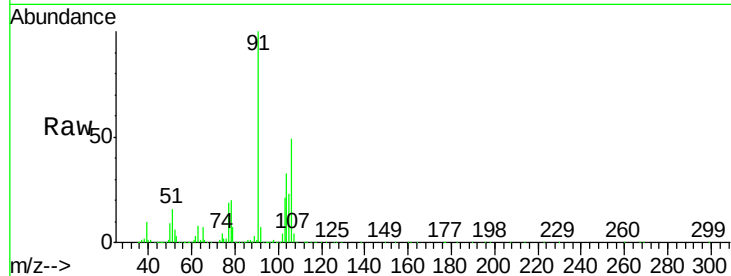
Ion Ratio Lower Upper

106 100

91 204.2 102.9 308.7

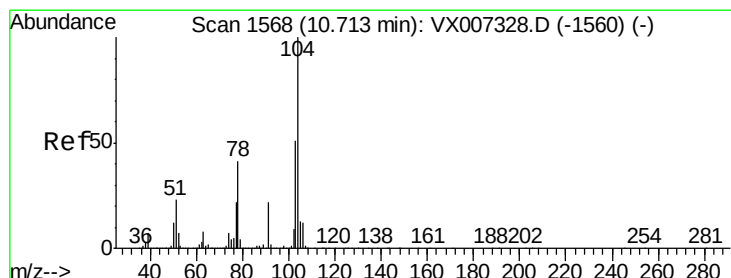
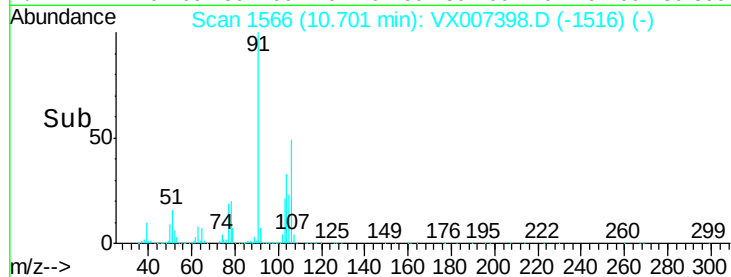
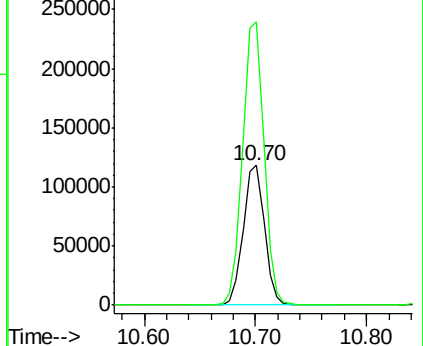
Manual Integrations
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 17.615 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

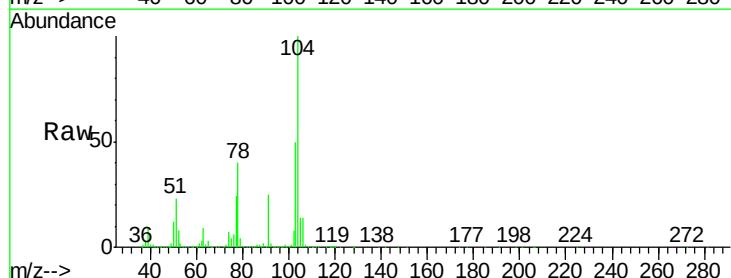
Tgt Ion:104 Resp: 241579

Ion Ratio Lower Upper

104 100

78 48.2 38.3 57.5

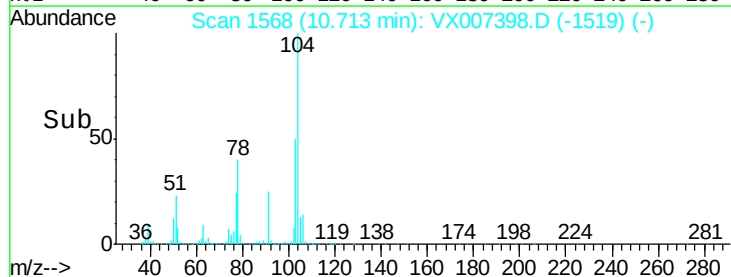
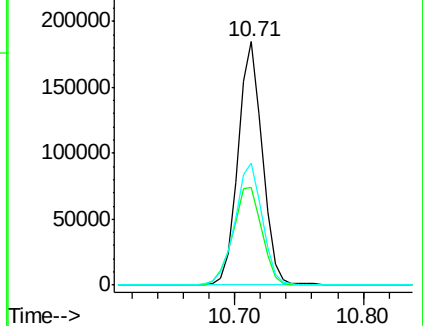
103 56.8 44.6 67.0

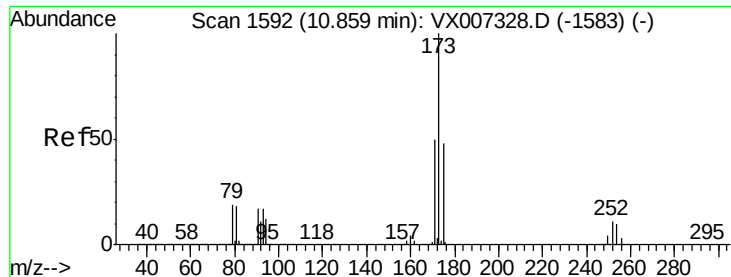


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.056 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion:173 Resp: 57198

Ion Ratio Lower Upper

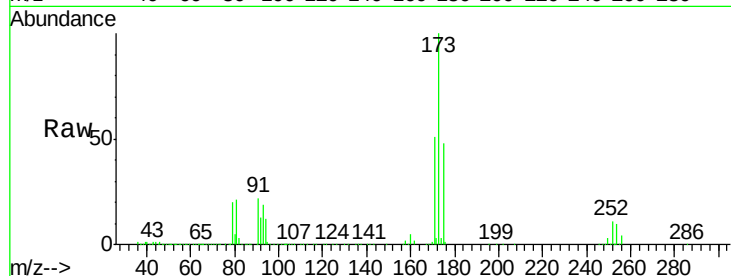
173 100

175 49.4 24.2 72.6

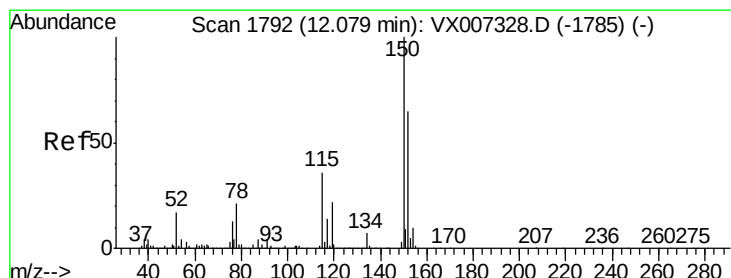
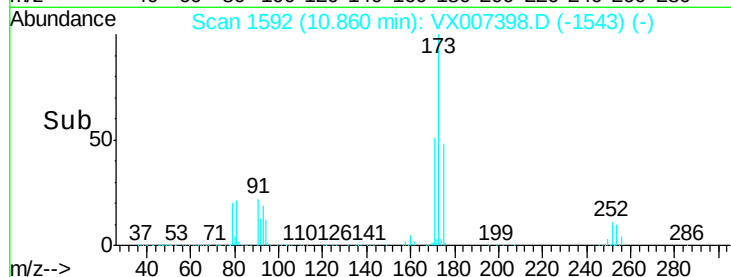
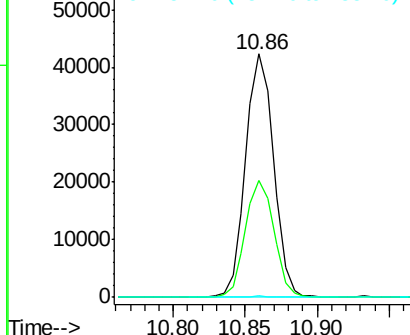
254 0.3 0.2 0.2#

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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: VX007398.D

Acq: 06 Feb 2019 14:38

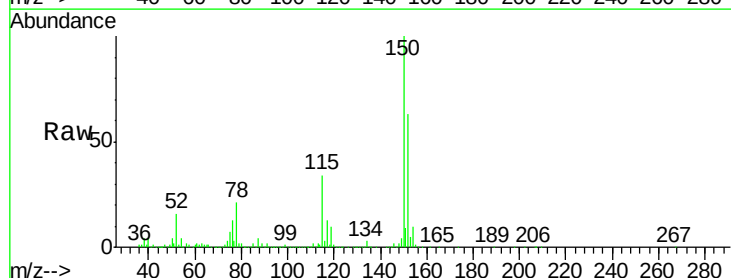
Tgt Ion:152 Resp: 337197

Ion Ratio Lower Upper

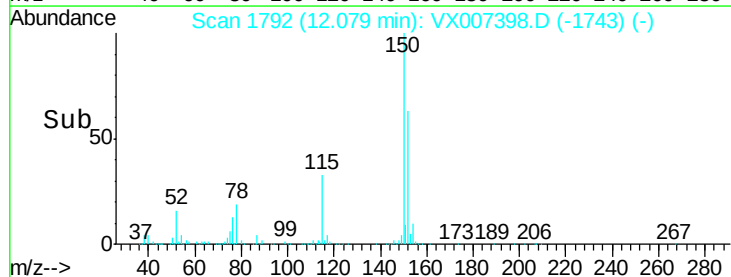
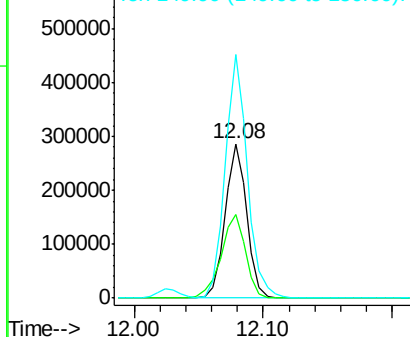
152 100

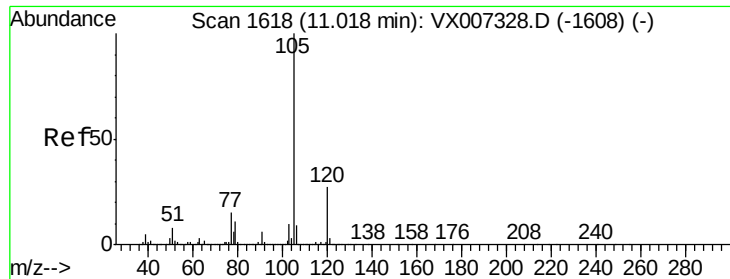
115 61.9 38.0 114.0

150 162.3 0.0 346.4



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





#73

Isopropylbenzene

Concen: 18.004 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion:105 Resp: 412561

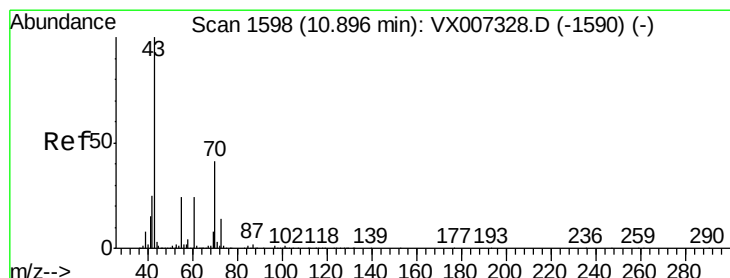
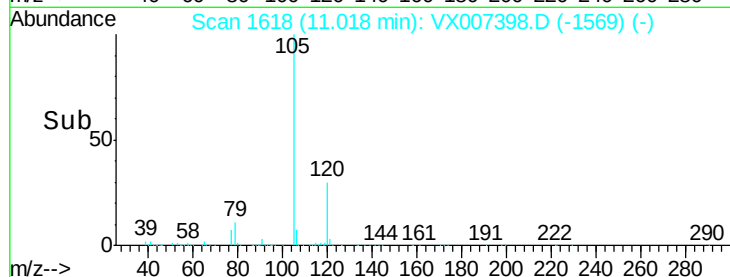
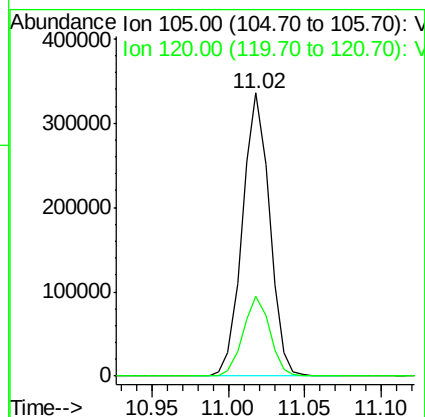
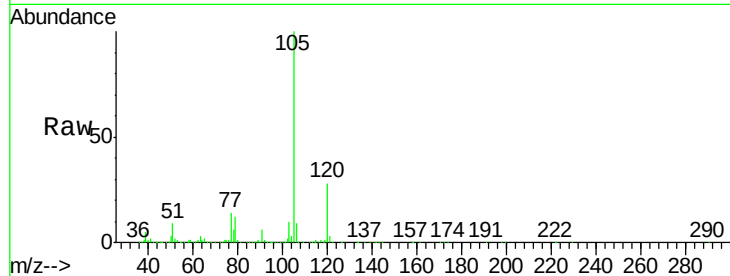
Ion Ratio Lower Upper

105 100

120 27.9 13.6 40.7

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#74

N-ethyl acetate

Concen: 18.630 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion: 43 Resp: 165122

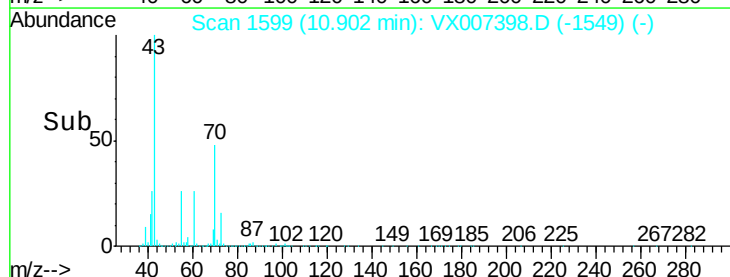
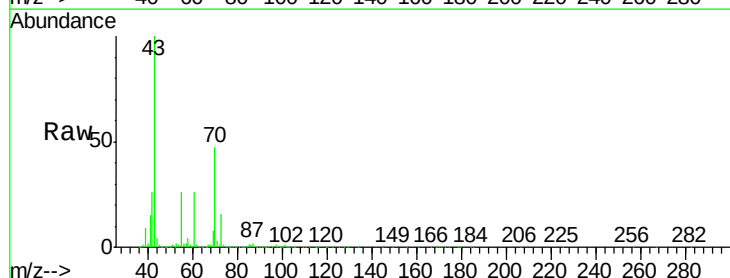
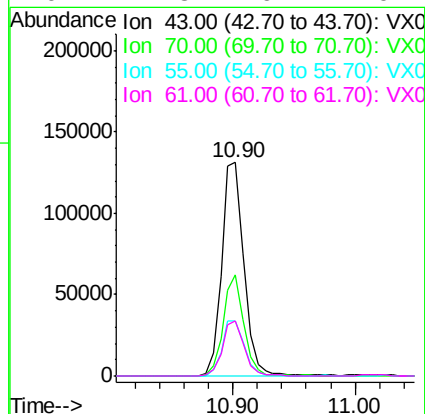
Ion Ratio Lower Upper

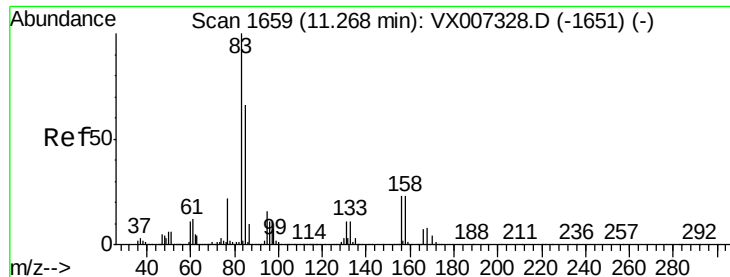
43 100

70 43.8 33.8 50.6

55 26.8 19.5 29.3

61 24.8 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.471 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

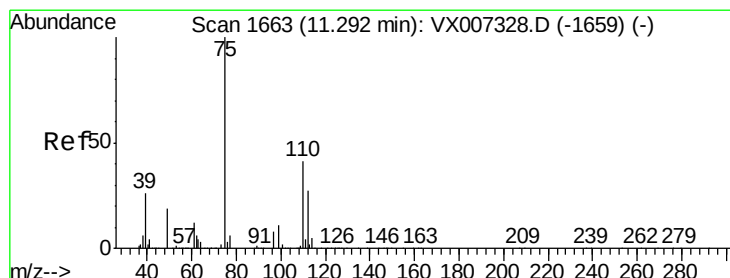
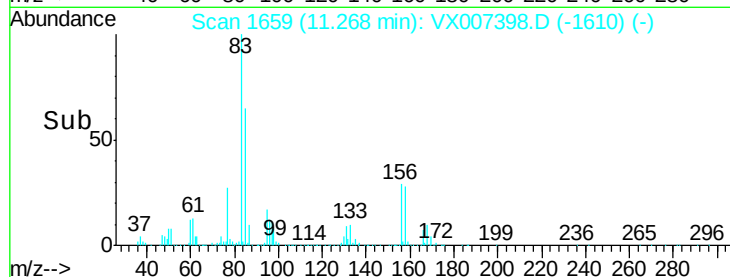
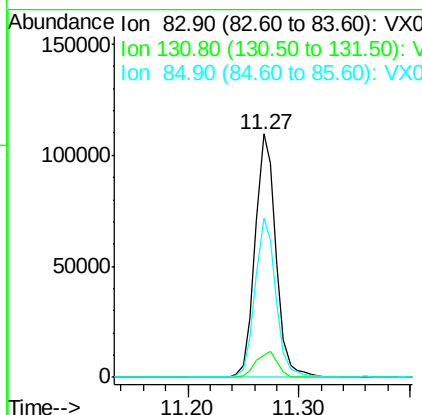
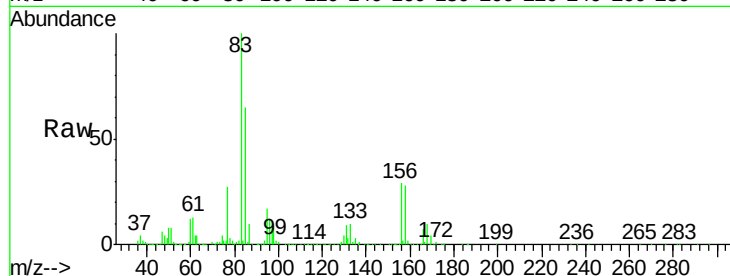
ClientSampleId :

VX0206WBSD01

Tot Ion:	83	Resp:	142956
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	65.2	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.279 ug/l m

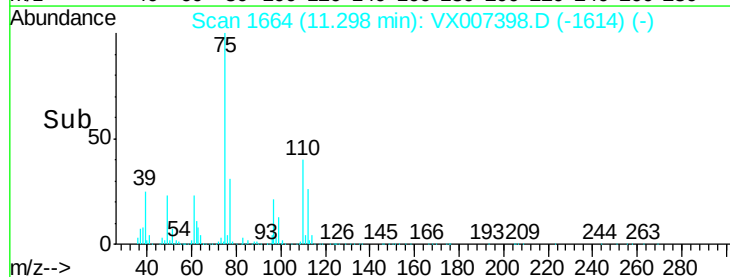
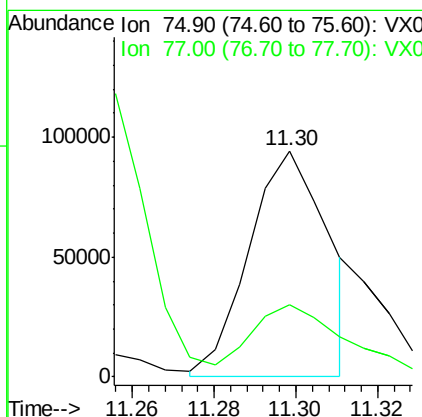
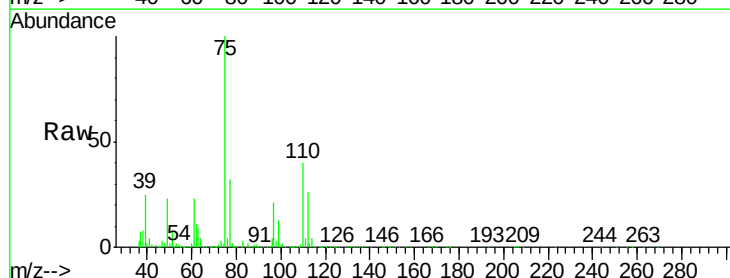
RT: 11.30 min Scan# 1664

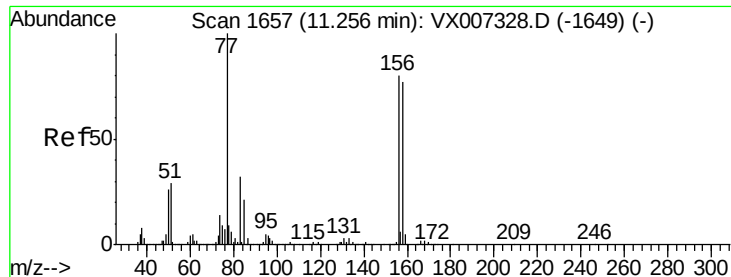
Delta R.T. 0.01 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion:	75	Resp:	126449
Ion Ratio	Lower	Upper	
75	100		
77	38.4	23.0	69.0





#77

Bromobenzene

Concen: 17.799 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

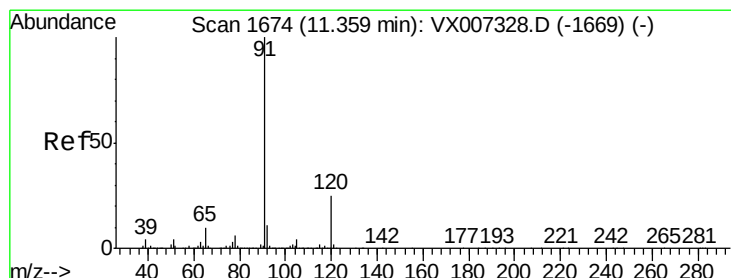
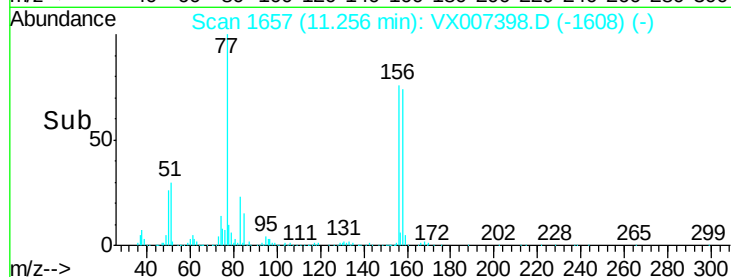
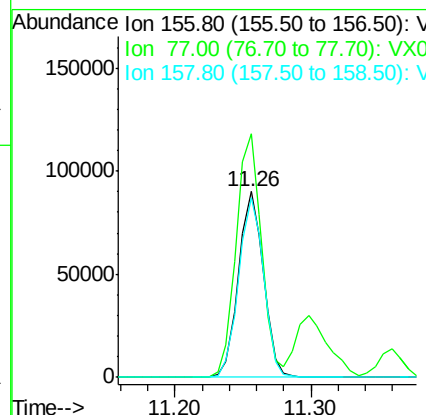
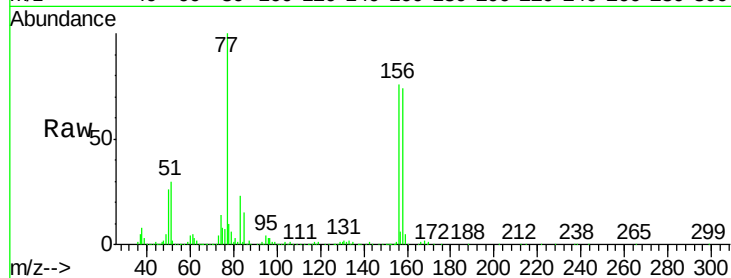
ClientSampleId :

VX0206WBSD01

Tot Ion:	156	Resp:	114915
Ion Ratio	Lower	Upper	
156	100		
77	132.9	66.8	200.6
158	97.3	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 17.862 ug/l

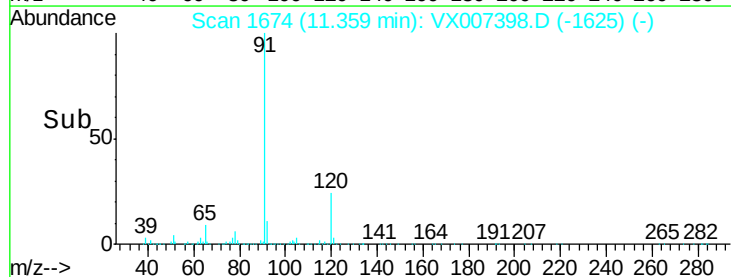
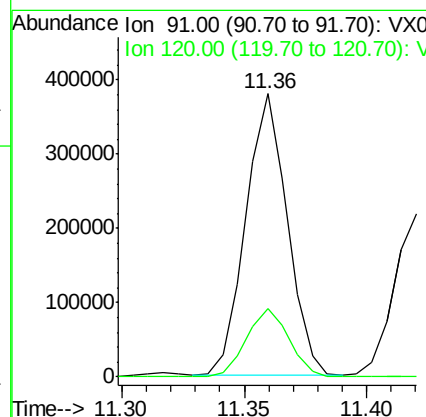
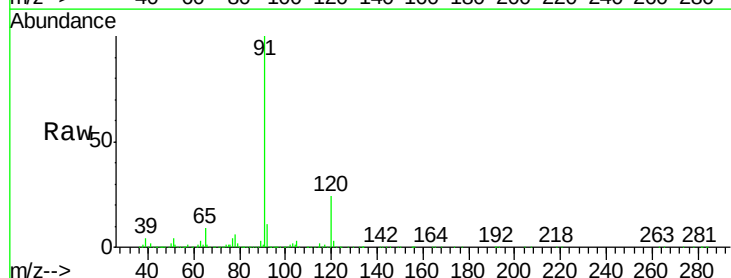
RT: 11.36 min Scan# 1674

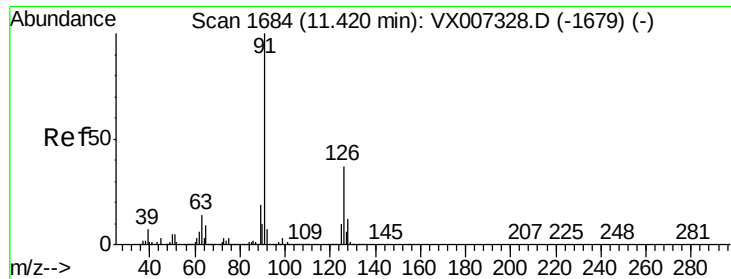
Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Tgt Ion:	91	Resp:	448822
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.4	37.2





#79

2-Chlorotoluene

Concen: 18.121 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion: 91 Resp: 276276

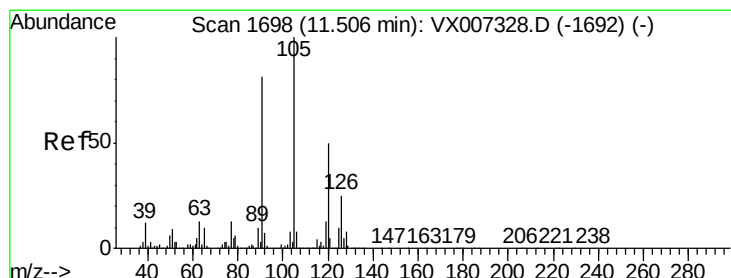
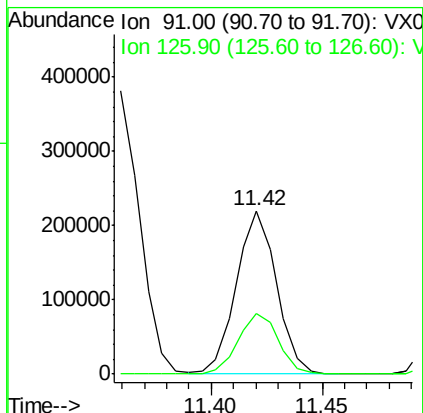
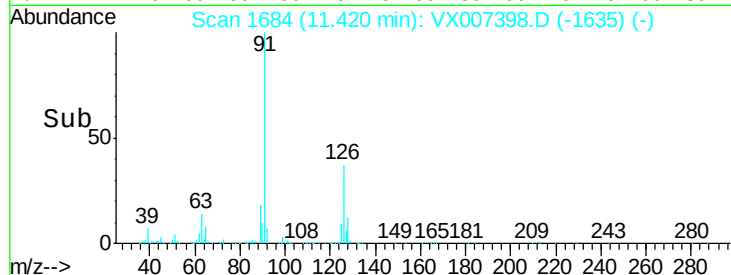
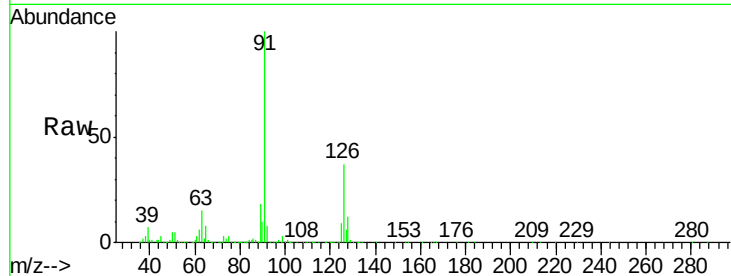
Ion Ratio Lower Upper

91 100

126 37.7 18.7 56.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 18.375 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007398.D

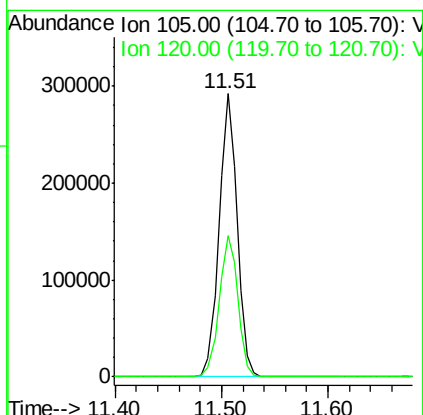
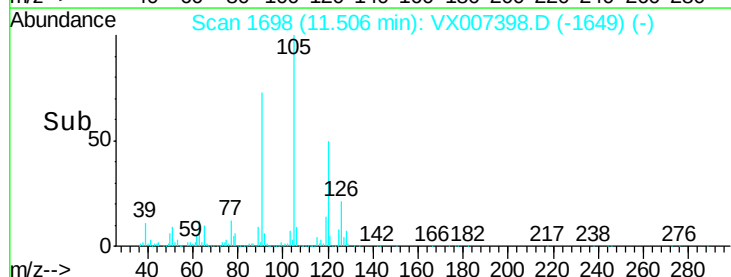
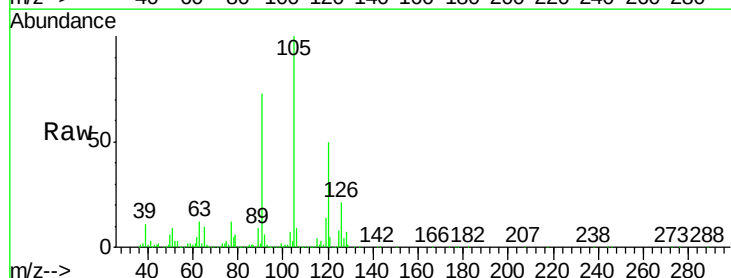
Acq: 06 Feb 2019 14:38

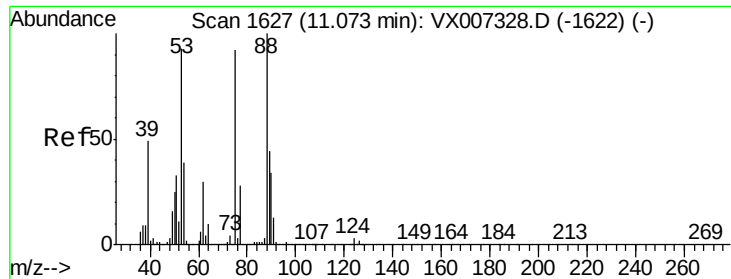
Tgt Ion: 105 Resp: 344463

Ion Ratio Lower Upper

105 100

120 51.2 25.3 75.8





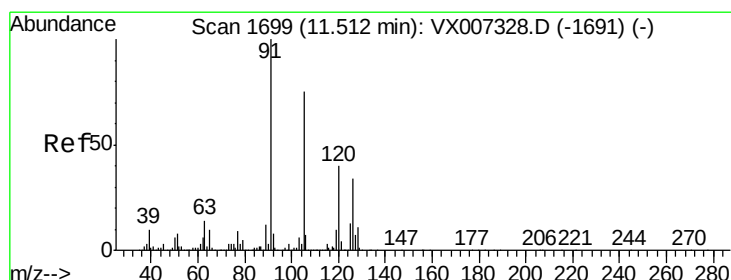
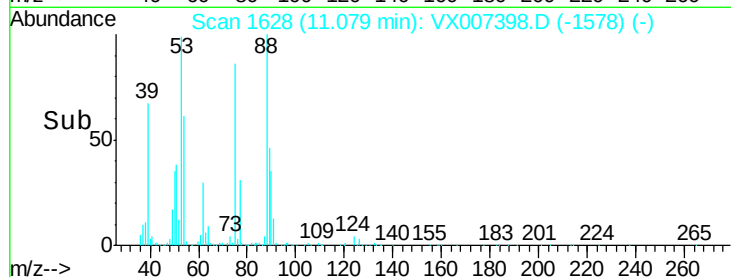
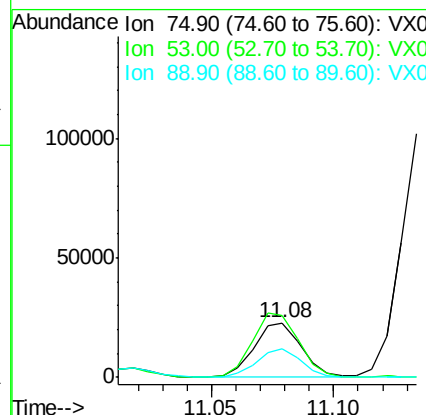
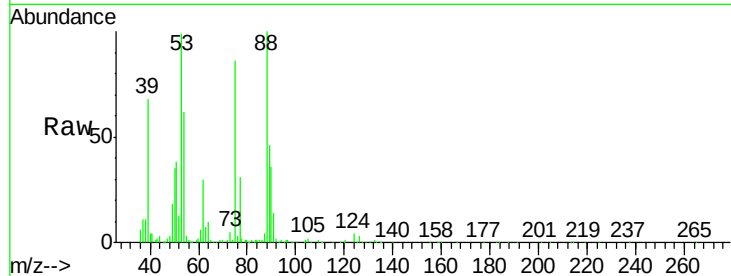
#81
trans-1,4-Dichloro-2-butene
Concen: 17.271 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.3	81.0	121.6
89	49.7	41.4	62.0

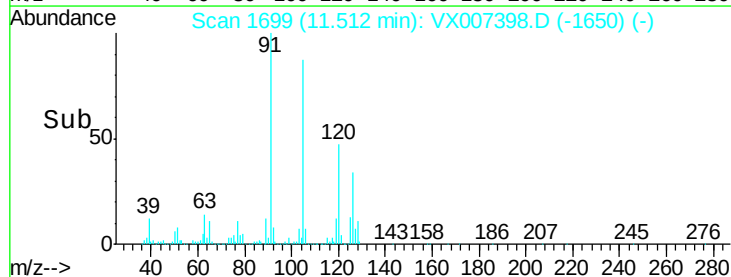
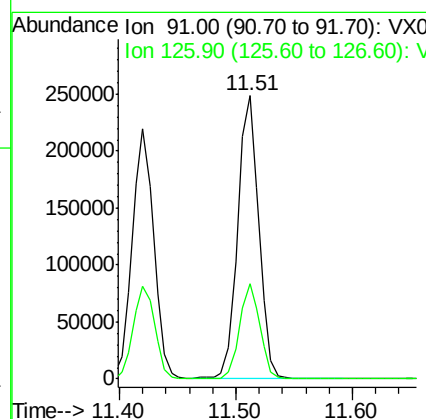
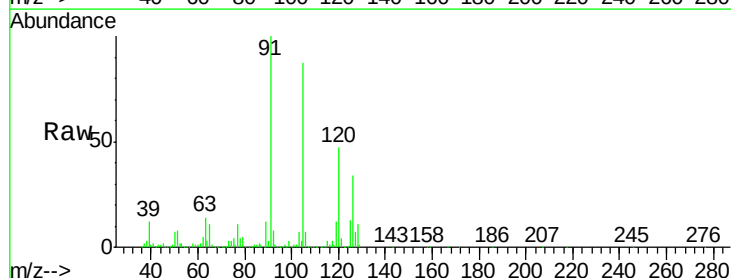
Manual Integrations
APPROVED

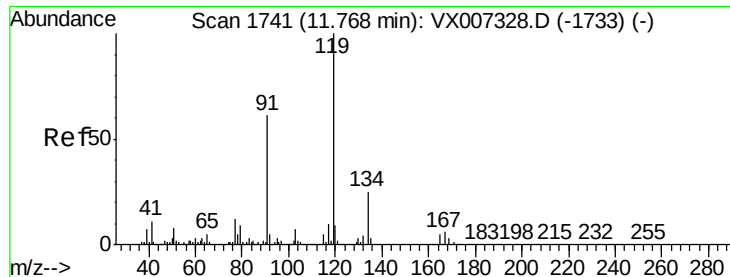
MMDadoda
2/7/2019 9:52:58 AM



#82
4-Chlorotoluene
Concen: 17.754 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.5





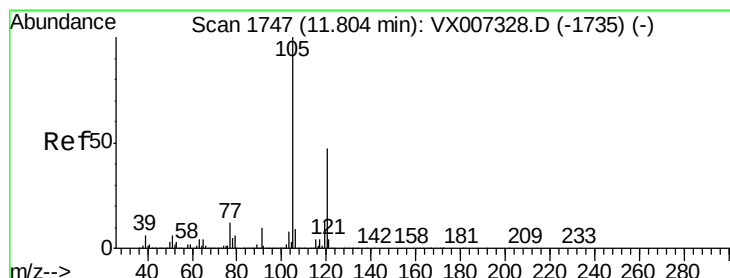
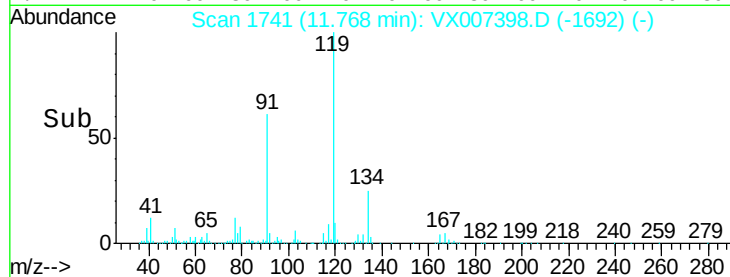
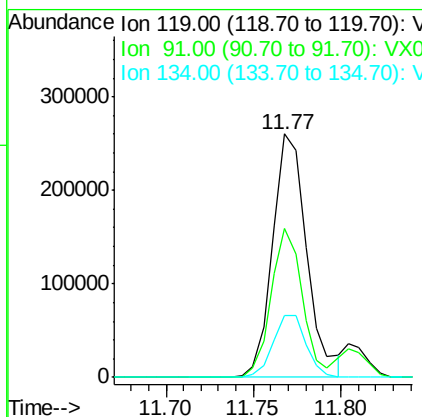
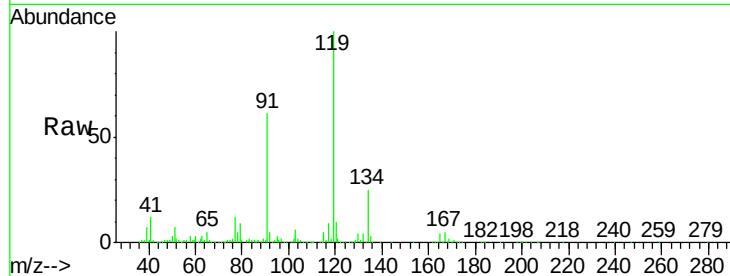
#83
 tert-Butylbenzene
 Concen: 19.097 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Instrument :
 MSVOA_X
 ClientSampled :
 VX0206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	354452		
91	55.7	28.5	85.6	
134	24.9	12.0	36.0	

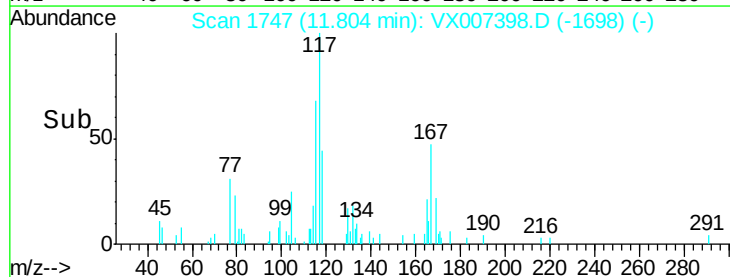
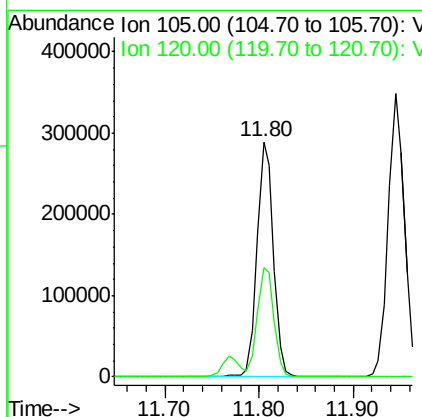
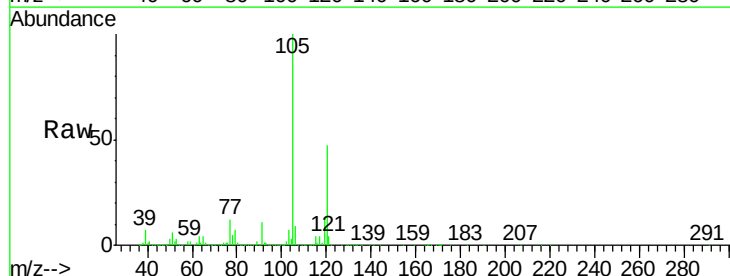
Manual Integrations
 APPROVED

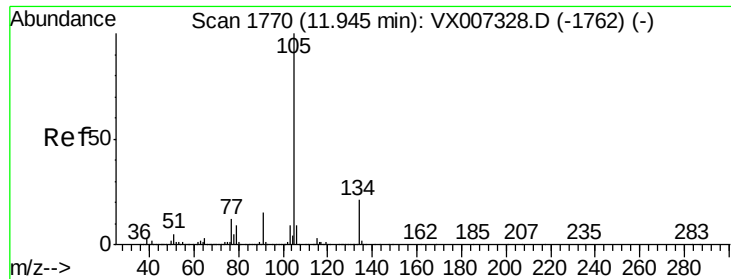
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 2/7/2019 9:52:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.842 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	358612		
120	47.0	23.1	69.3	





#85

sec-Butylbenzene

Concen: 18.605 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBSD01

Tot Ion:105 Resp: 417945

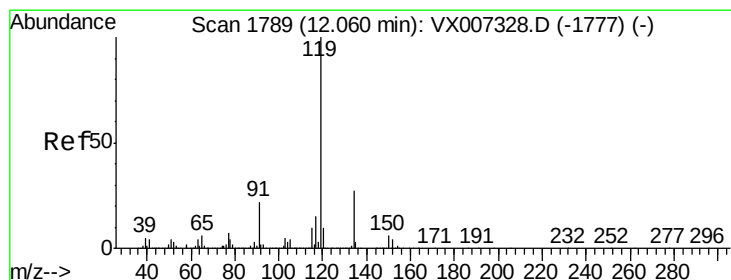
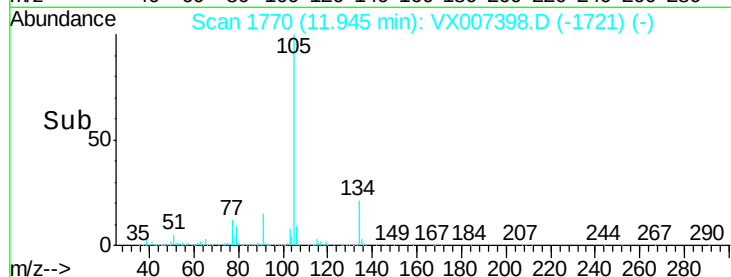
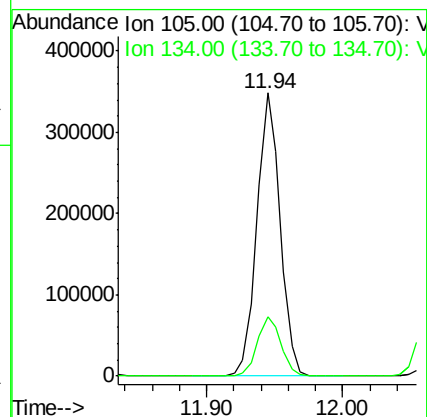
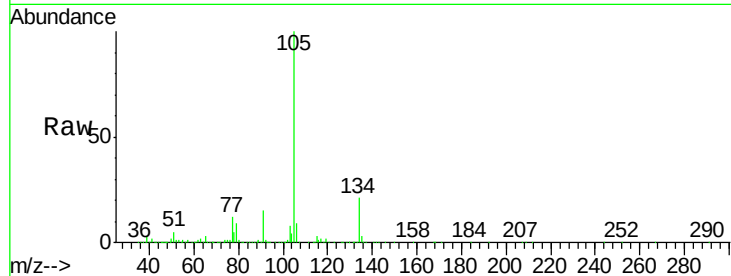
Ion Ratio Lower Upper

105 100

134 21.6 10.6 31.8

Manual Integrations
APPROVED

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2/7/2019 9:52:58 AM



#86

p-Isopropyltoluene

Concen: 18.421 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007398.D

Acq: 06 Feb 2019 14:38

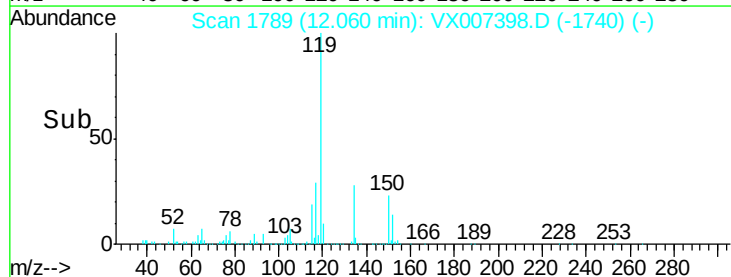
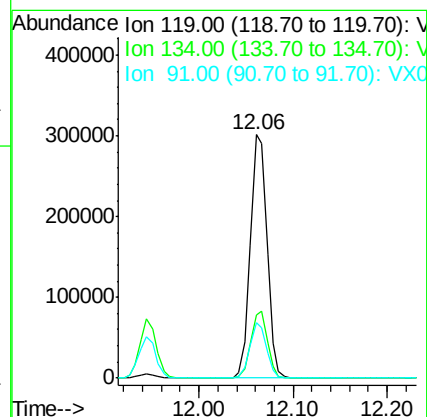
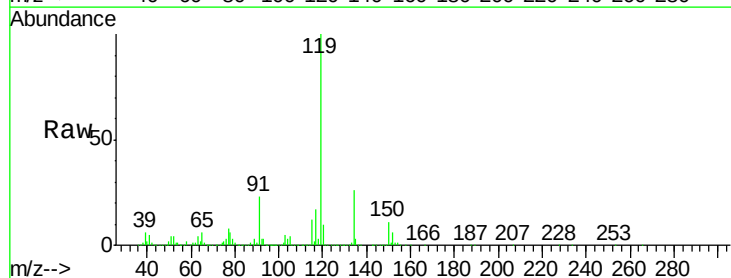
Tgt Ion:119 Resp: 373550

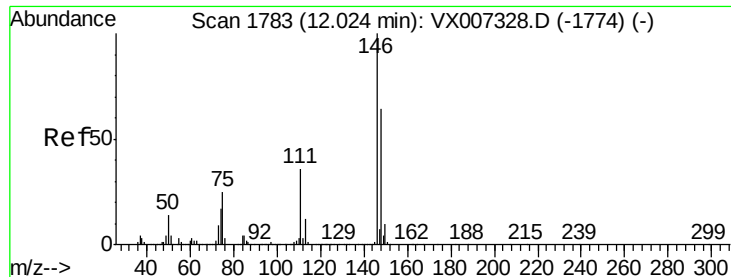
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 22.4 11.2 33.5





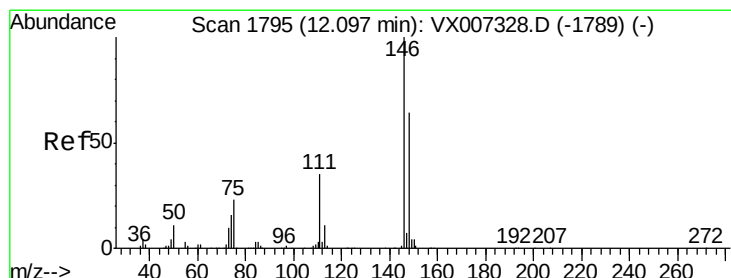
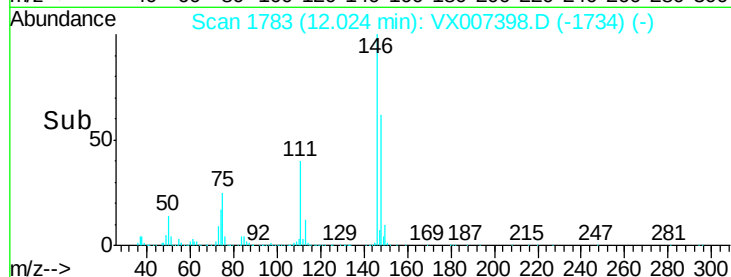
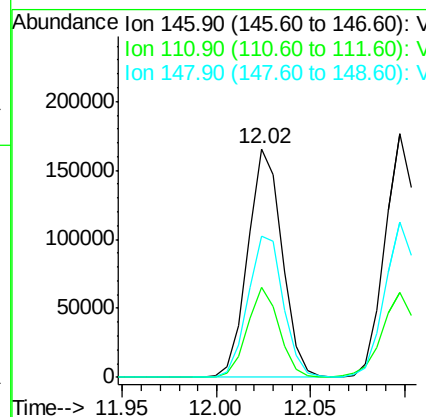
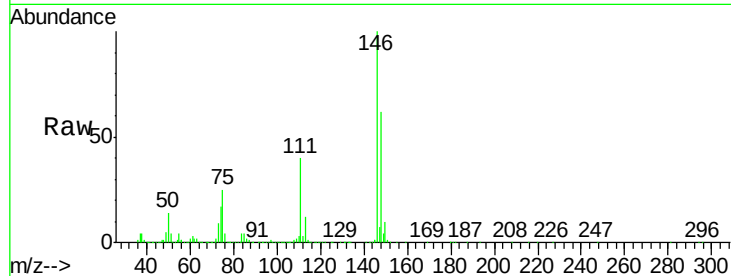
#87
 1,3-Dichlorobenzene
 Concen: 18.019 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	63.7	32.0	96.2

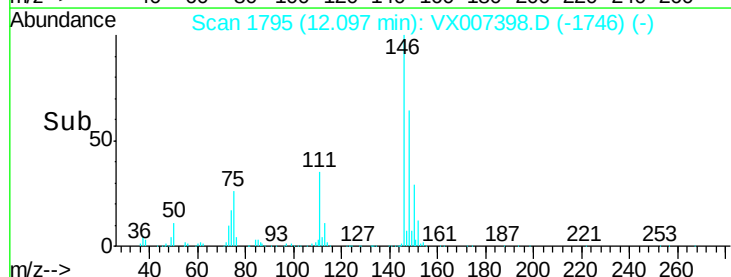
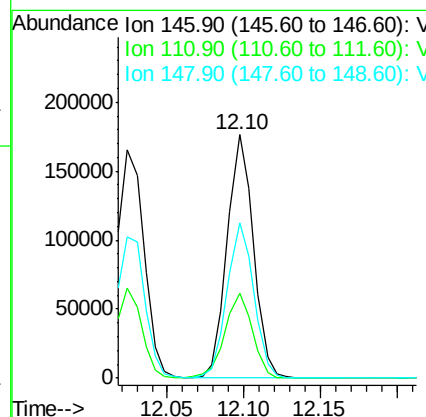
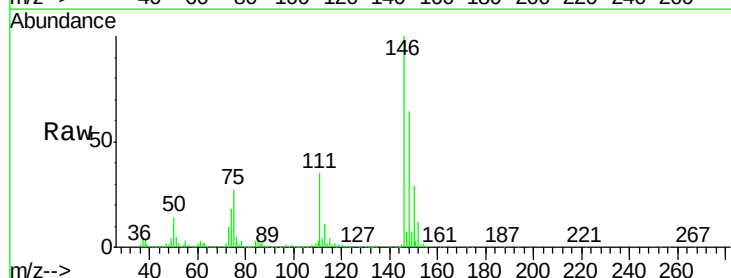
Manual Integrations
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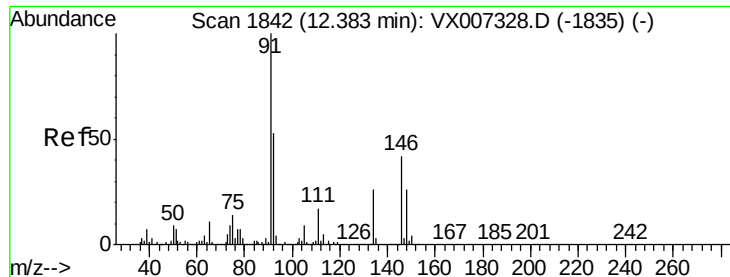
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#88
 1,4-Dichlorobenzene
 Concen: 17.880 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	65.2	32.3	96.9





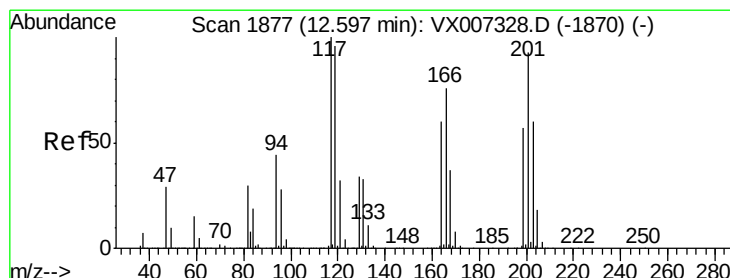
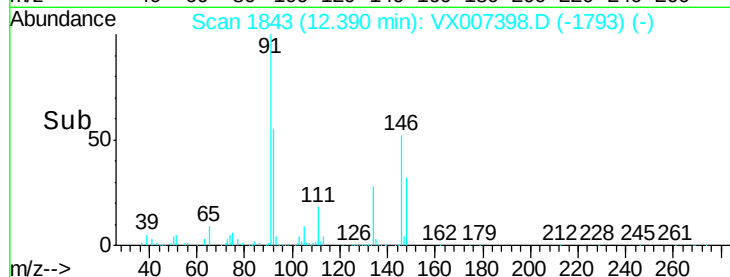
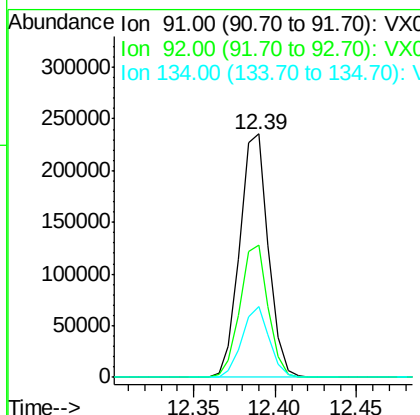
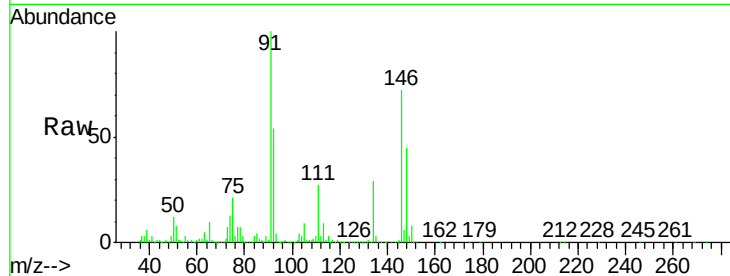
#89
n-Butylbenzene
Concen: 16.540 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.3	78.9
134	27.7	13.9	41.6

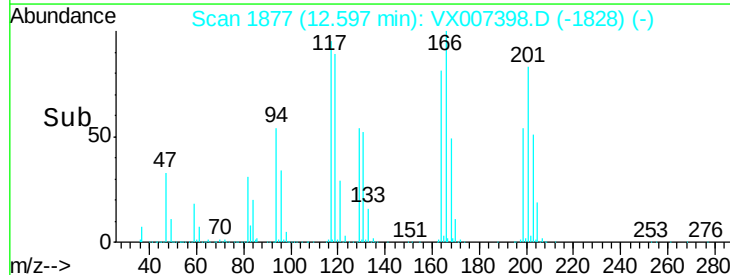
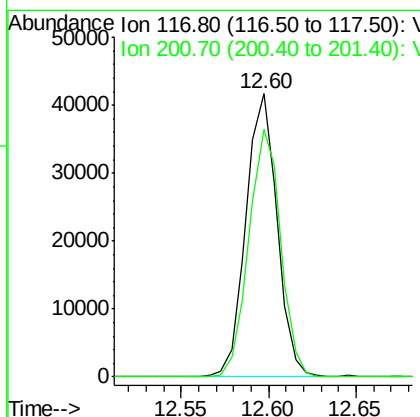
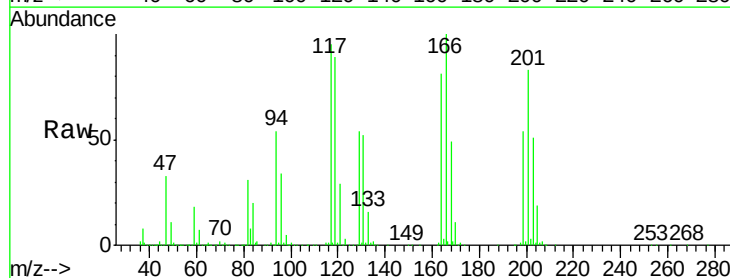
Manual Integrations
APPROVED

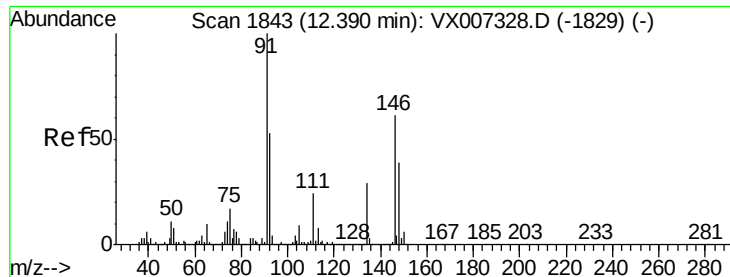
MMDadoda
2/7/2019 9:52:58 AM



#90
Hexachloroethane
Concen: 17.069 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	44.9	134.7





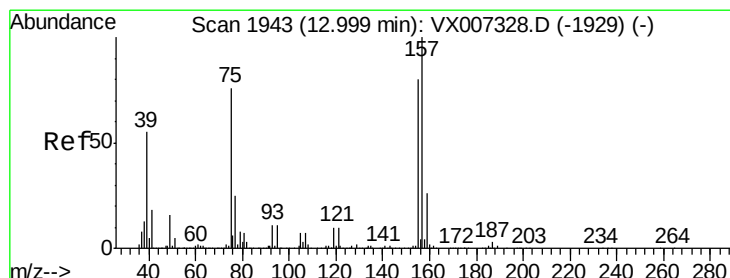
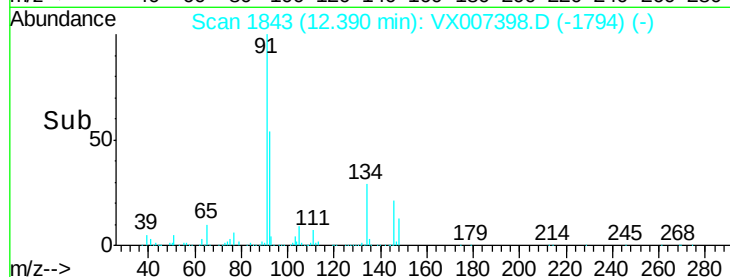
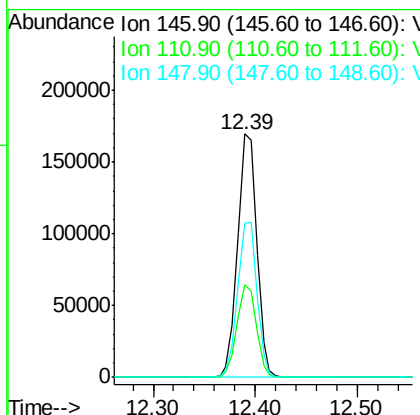
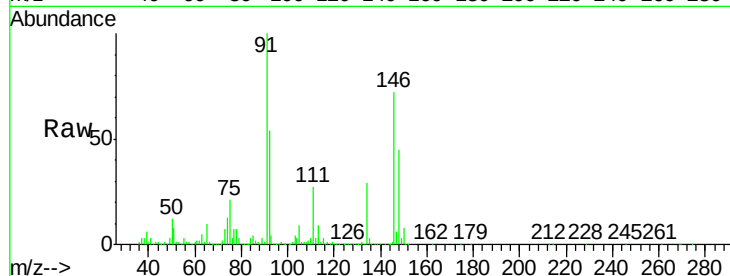
#91
 1,2-Dichlorobenzene
 Concen: 18.993 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	64.1	32.1	96.3

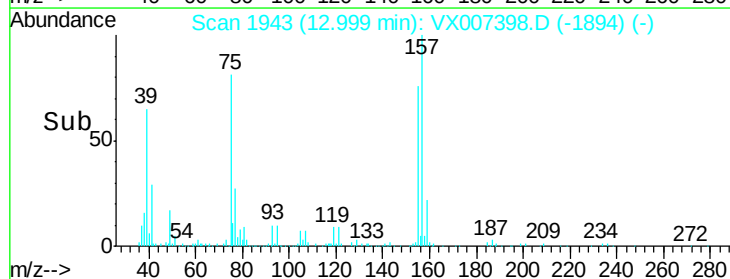
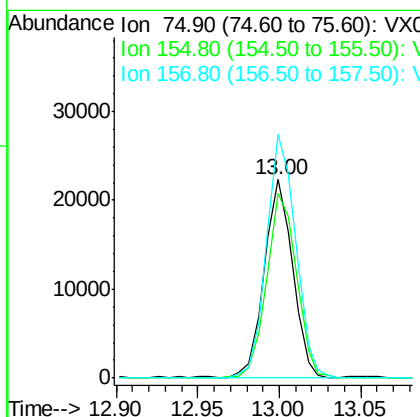
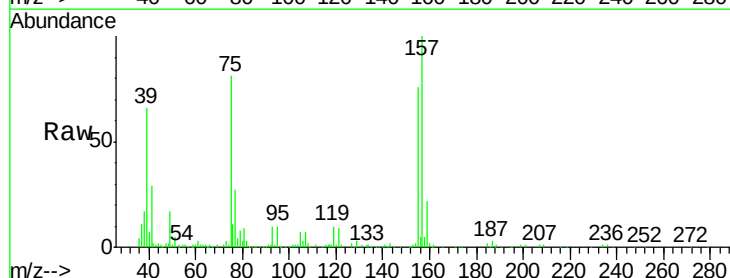
Manual Integrations
 APPROVED

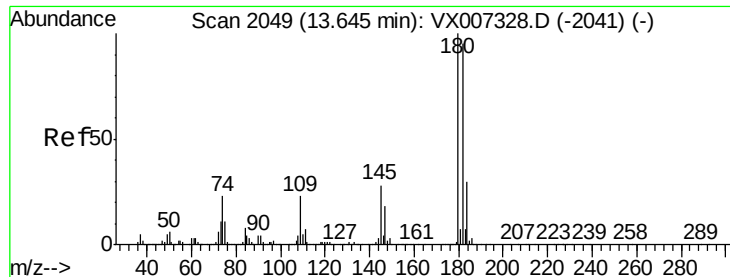
MMDadoda
 2/7/2019 9:52:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.643 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	49.6	149.0
157	125.1	65.1	195.3





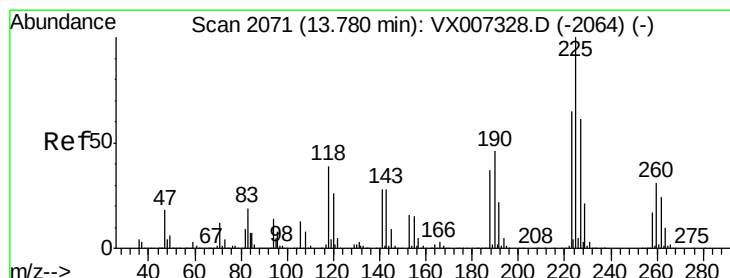
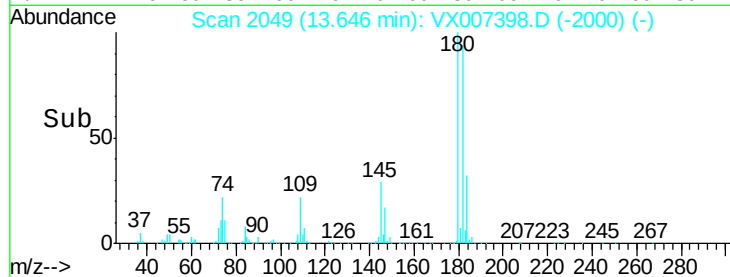
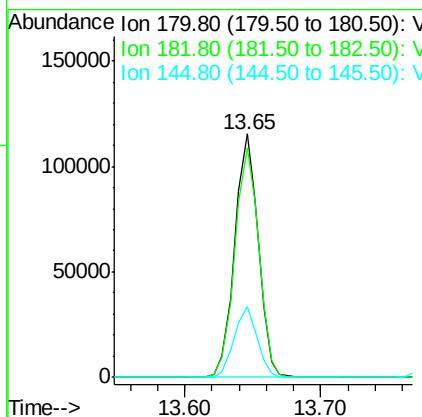
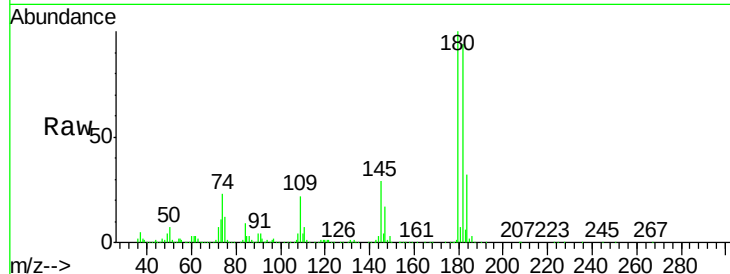
#93
 1,2,4-Trichlorobenzene
 Concen: 17.861 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138894		
182	96.5	47.8	143.3	
145	28.4	14.1	42.2	

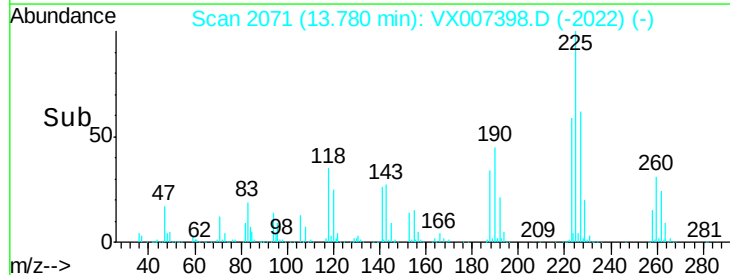
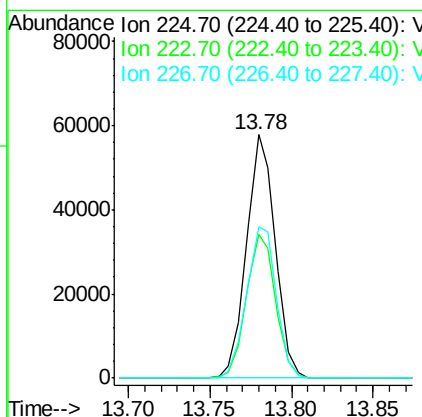
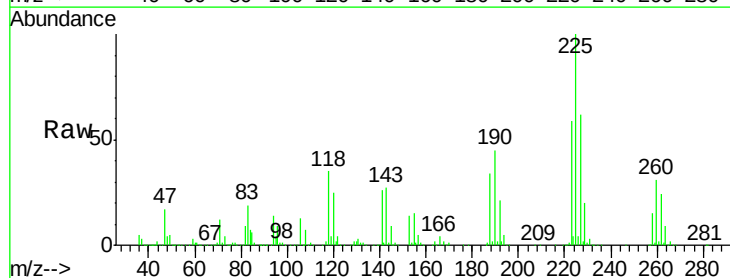
Manual Integrations
 APPROVED

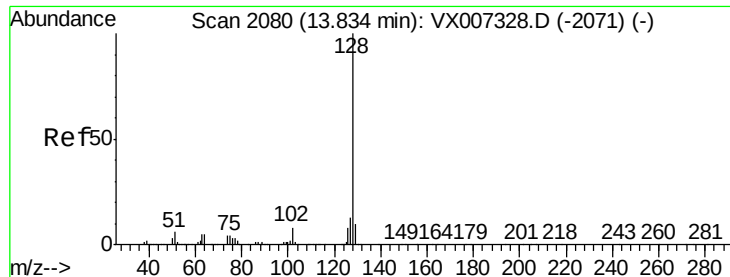
MMDadoda
 2/7/2019 9:52:58 AM



#94
 Hexachlorobutadiene
 Concen: 18.835 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007398.D
 Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71121		
223	60.1	31.6	94.8	
227	64.4	32.1	96.3	





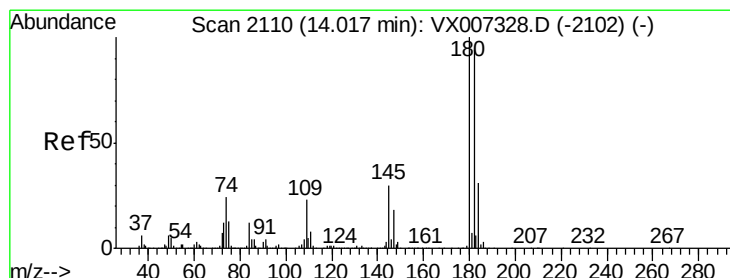
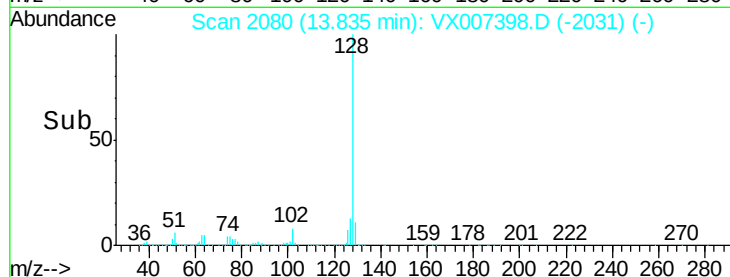
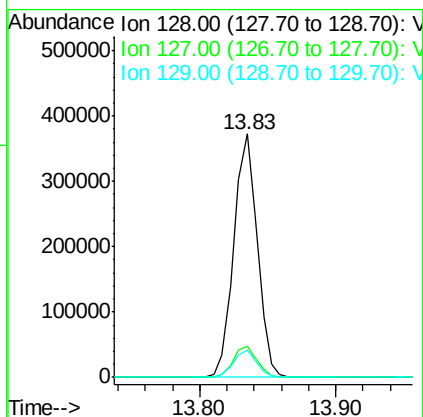
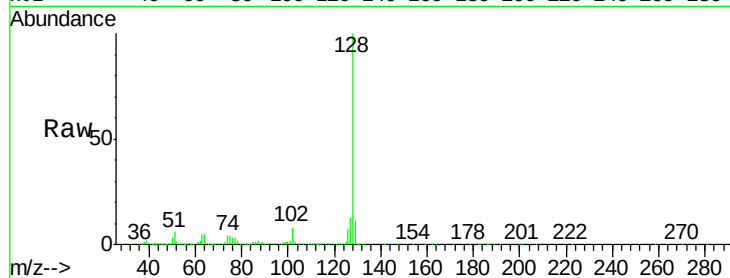
#95
Naphthalene
Concen: 19.673 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/7/2019 9:52:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.837 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007398.D
Acq: 06 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	30.0	14.9	44.5

