

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007515.D
 Acq On : 13 Feb 2019 12:31
 Operator : JC/SP
 Sample : VX0214WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:48:07 AM

Quant Time: Feb 13 15:00:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	449617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	673798	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	610485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	304607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	239482	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	5.50	113	218900	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	8.71	98	803319	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	279979	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	97628	17.785	ug/l	98
3) Chloromethane	1.33	50	89318	17.637	ug/l	100
4) Vinyl Chloride	1.41	62	97853	19.696	ug/l	99
5) Bromomethane	1.64	94	87187	17.428	ug/l	96
6) Chloroethane	1.73	64	63888	19.879	ug/l	97
7) Trichlorofluoromethane	1.93	101	149687	19.260	ug/l	99
8) Diethyl Ether	2.19	74	57409	19.625	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	85863	18.573	ug/l	99
10) Methyl Iodide	2.51	142	111418	16.383	ug/l	98
11) Tert butyl alcohol	3.07	59	111480	112.876	ug/l	100
12) 1,1-Dichloroethene	2.38	96	78967	18.395	ug/l	98
13) Acrolein	2.30	56	41038	88.610	ug/l	98
14) Allyl chloride	2.73	41	141602	20.244	ug/l	99
15) Acrylonitrile	3.15	53	257018	105.197	ug/l	99
16) Acetone	2.45	43	255399	116.830	ug/l	99
17) Carbon Disulfide	2.57	76	193045	18.588	ug/l	99
18) Methyl Acetate	2.78	43	141191	25.087	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	275441	19.805	ug/l	98
20) Methylene Chloride	2.86	84	91748	20.314	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	84602	18.500	ug/l	98
22) Diisopropyl ether	3.87	45	261333	20.311	ug/l	92
23) Vinyl Acetate	3.82	43	1093147	102.384	ug/l	99
24) 1,1-Dichloroethane	3.70	63	151468	20.499	ug/l	98
25) 2-Butanone	4.70	43	353426	113.603	ug/l	99
26) 2,2-Dichloropropane	4.59	77	113999	20.259	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	97124	19.445	ug/l	99
28) Bromochloromethane	5.02	49	66576	19.593	ug/l	98
29) Tetrahydrofuran	5.15	42	219300	112.080	ug/l	99
30) Chloroform	5.21	83	156367	20.280	ug/l	100
31) Cyclohexane	5.57	56	122505	18.460	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	131394	20.189	ug/l	100
36) 1,1-Dichloropropene	5.80	75	110542	18.285	ug/l	99
37) Ethyl Acetate	4.85	43	123499	20.208	ug/l	98
38) Carbon Tetrachloride	5.78	117	117192	19.981	ug/l	96

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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	7.46	83	132044	18.052	ug/l	97
40) Benzene	6.14	78	346564	19.461	ug/l	98
41) Methacrylonitrile	5.06	41	70690	21.582	ug/l	97
42) 1,2-Dichloroethane	6.20	62	120440	19.547	ug/l	98
43) Isopropyl Acetate	6.46	43	194159	20.583	ug/l	100
44) Trichloroethene	7.21	130	101308	18.888	ug/l	97
45) 1,2-Dichloropropane	7.51	63	87568	19.625	ug/l	98
46) Dibromomethane	7.66	93	61803	19.057	ug/l	98
47) Bromodichloromethane	7.90	83	110037	20.021	ug/l	99
48) Methyl methacrylate	7.77	41	98849	20.950	ug/l	99
49) 1,4-Dioxane	7.75	88	47698	448.337	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	662957	106.761	ug/l	100
52) Toluene	8.78	92	220611	19.201	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	113536	19.232	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	130071	20.035	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	94465	19.724	ug/l	99
56) Ethyl methacrylate	9.18	69	133171	20.076	ug/l	97
57) 1,3-Dichloropropane	9.37	76	148242	19.463	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	357001	102.106	ug/l	98
59) 2-Hexanone	9.49	43	512822	106.126	ug/l	100
60) Dibromochloromethane	9.58	129	93506	20.643	ug/l	100
61) 1,2-Dibromoethane	9.67	107	101678	20.047	ug/l	100
64) Tetrachloroethene	9.34	164	96459	16.764	ug/l	97
65) Chlorobenzene	10.14	112	254558	19.108	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	92180	20.638	ug/l	98
67) Ethyl Benzene	10.25	91	405907	18.920	ug/l	97
68) m/p-Xylenes	10.36	106	324411	38.041	ug/l	99
69) o-Xylene	10.69	106	158558	19.322	ug/l	100
70) Styrene	10.71	104	258343	19.412	ug/l	99
71) Bromoform	10.85	173	69112	20.250	ug/l	98
73) Isopropylbenzene	11.02	105	420144	20.297	ug/l	98
74) N-amyl acetate	10.90	43	167649	20.939	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	141386	22.412	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	130724m	22.063	ug/l	
77) Bromobenzene	11.26	156	115953	19.881	ug/l	99
78) n-propylbenzene	11.36	91	461515	20.332	ug/l	100
79) 2-Chlorotoluene	11.42	91	275973	20.037	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	343263	20.270	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	35666	21.261	ug/l	95
82) 4-Chlorotoluene	11.51	91	314058	19.706	ug/l	99
83) tert-Butylbenzene	11.77	119	342092	20.403	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	350481	20.385	ug/l	99
85) sec-Butylbenzene	11.94	105	415165	20.459	ug/l	100
86) p-Isopropyltoluene	12.06	119	365481	19.952	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	203281	19.421	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	202629	19.081	ug/l	99
89) n-Butylbenzene	12.39	91	300684	19.081	ug/l	99
90) Hexachloroethane	12.60	117	58170	21.218	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	204791	19.660	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28001	21.347	ug/l	99

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ClientSampleId :
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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)
93) 1,2,4-Trichlorobenzene	13.65	180	132672	18.886	ug/l	97
94) Hexachlorobutadiene	13.78	225	64838	19.008	ug/l	99
95) Naphthalene	13.83	128	413951	20.151	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	132618	18.755	ug/l	98

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

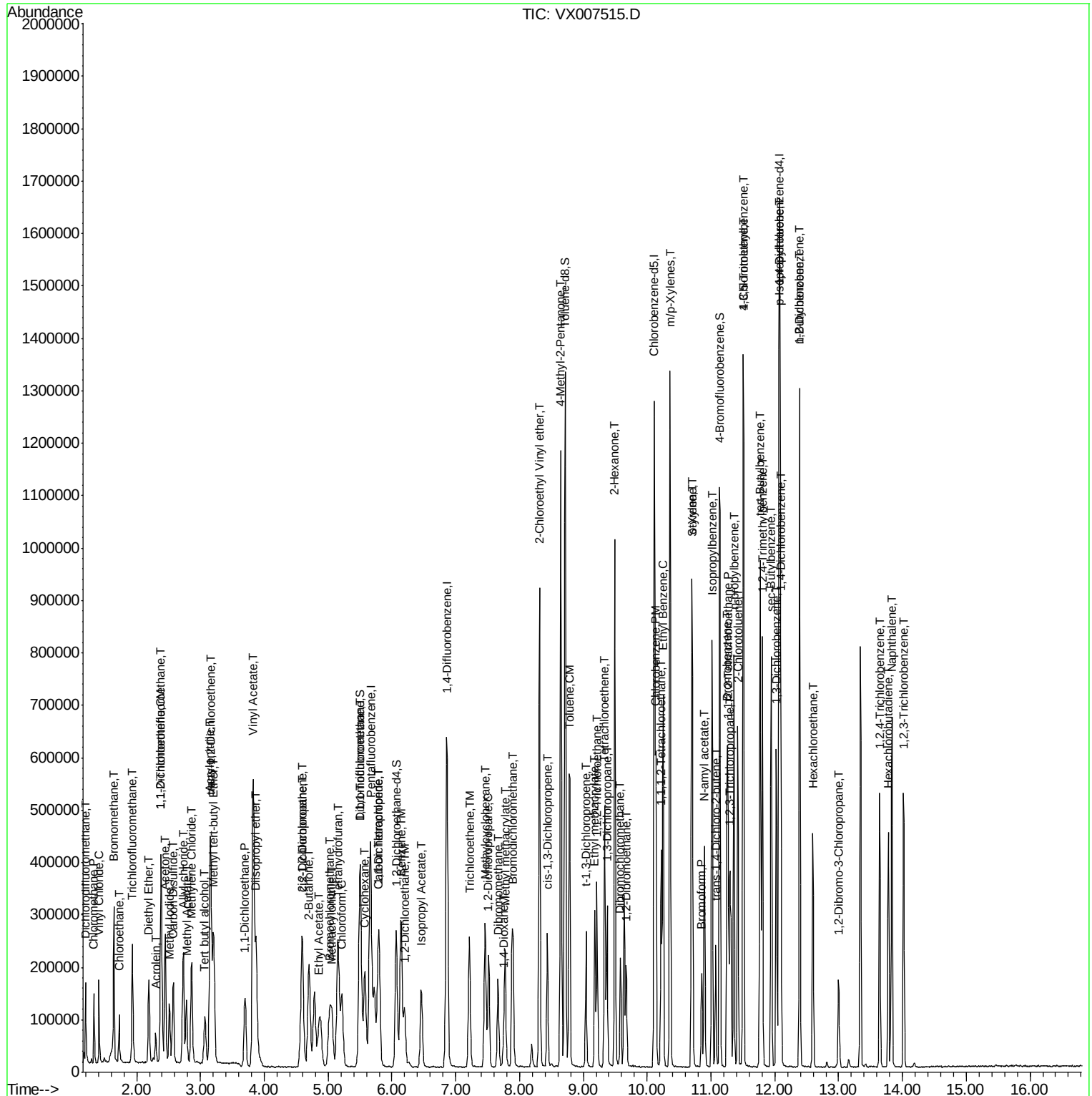
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Data File : VX007515.D
Acq On : 13 Feb 2019 12:31
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Sample : VX0214WBS01
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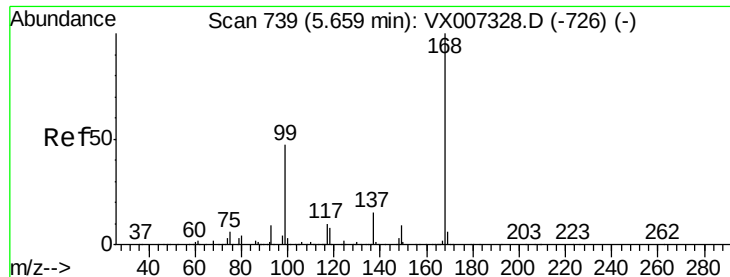
Instrument :
MSVOA_X
Client Sampled :
VX0214WBS01

Manual Integrations
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Quant Time: Feb 13 15:00:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion:168 Resp: 449617

Ion Ratio Lower Upper

168 100

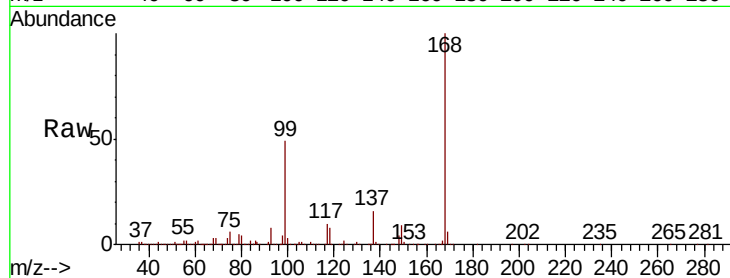
99 48.6 37.9 56.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

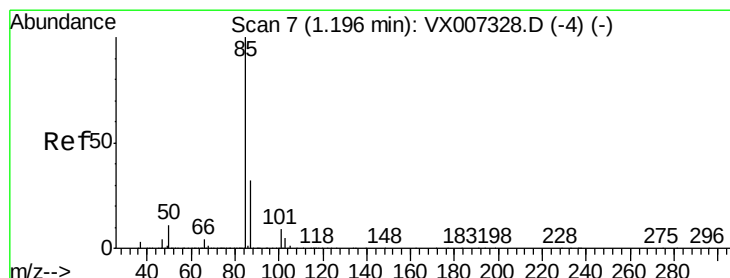
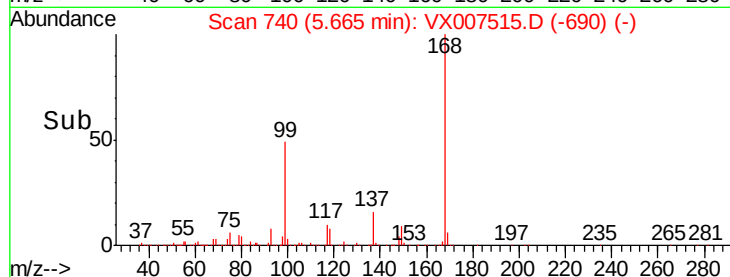
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.785 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007515.D

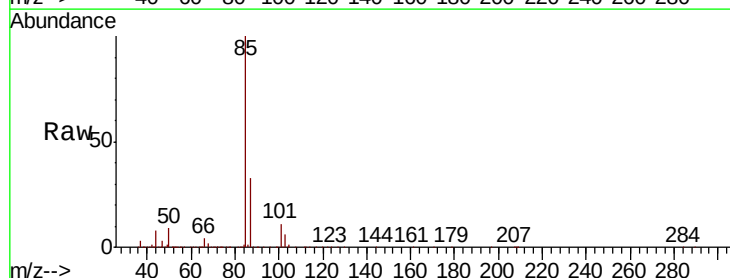
Acq: 13 Feb 2019 12:31

Tgt Ion: 85 Resp: 97628

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

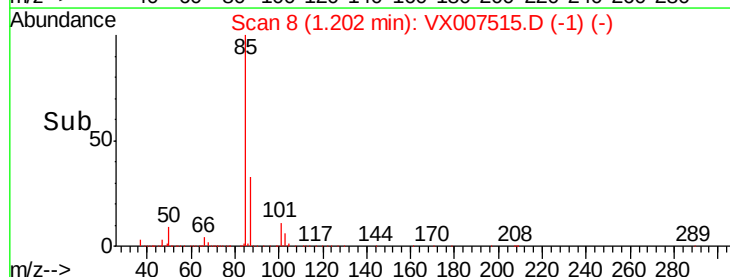
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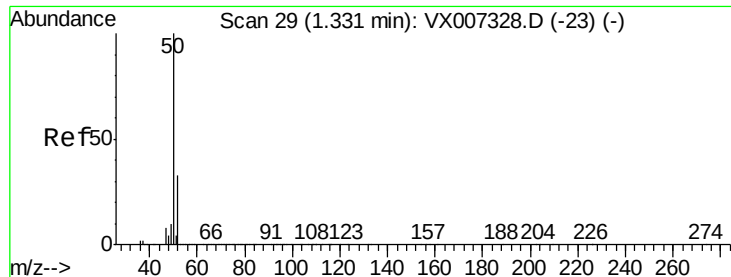
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.637 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 50 Resp: 89318

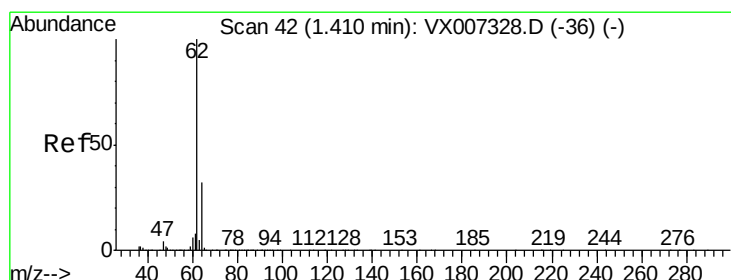
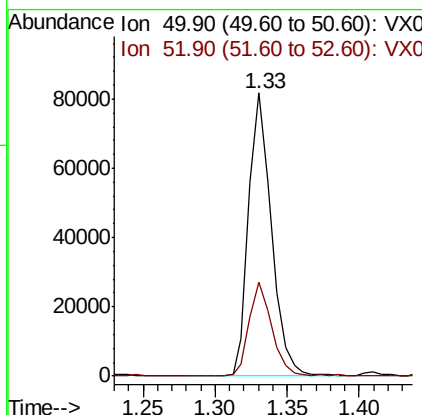
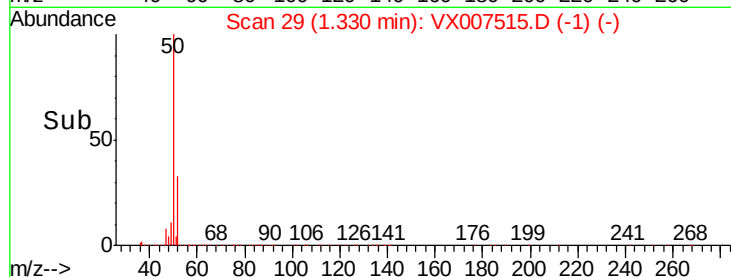
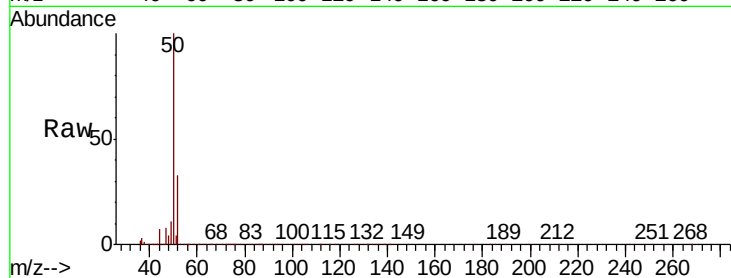
Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.696 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007515.D

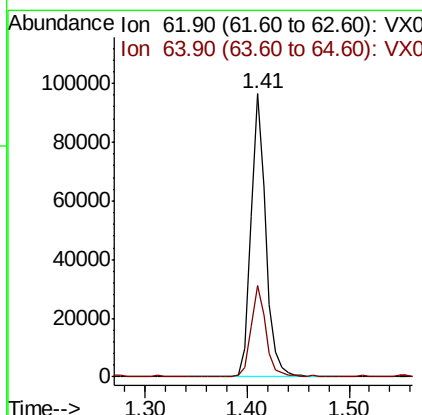
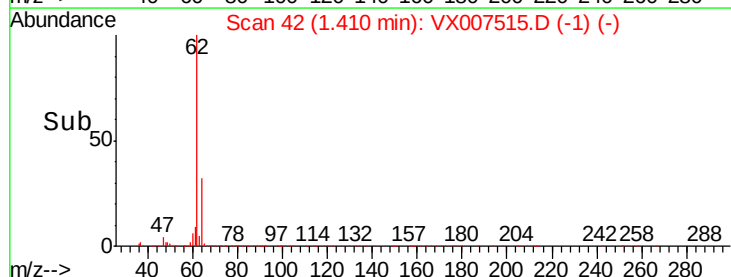
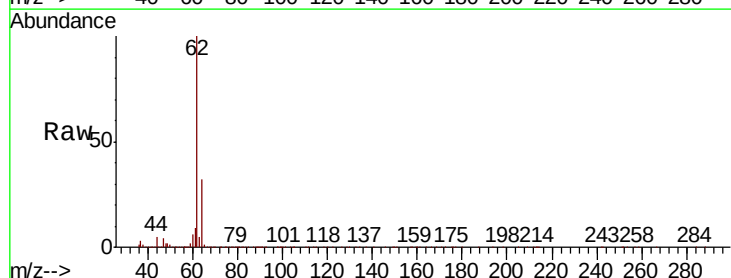
Acq: 13 Feb 2019 12:31

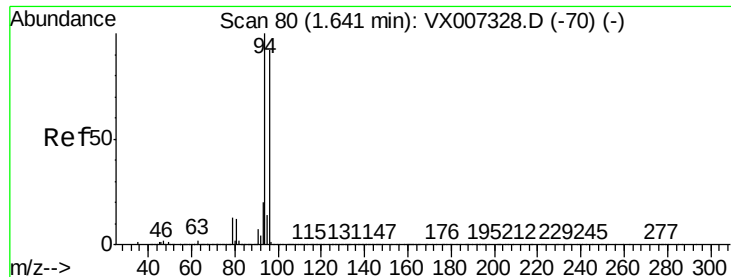
Tgt Ion: 62 Resp: 97853

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 17.428 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 94 Resp: 87187

Ion Ratio Lower Upper

94 100

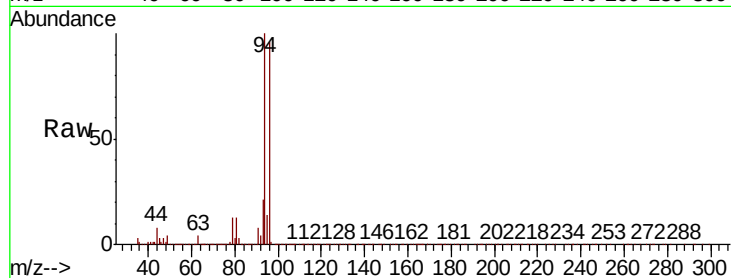
96 95.9 73.9 110.9

Manual Integrations

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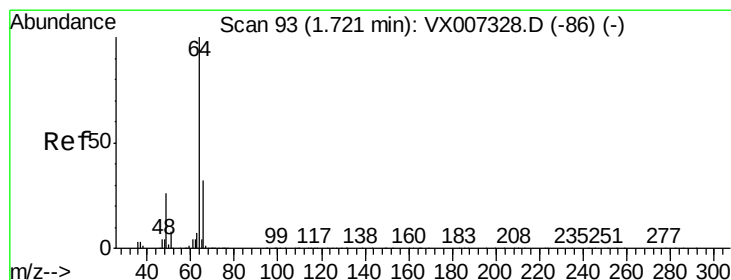
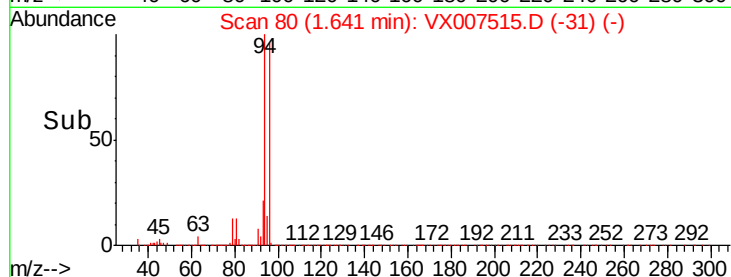
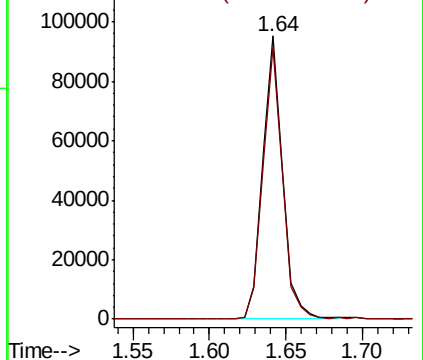
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.879 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007515.D

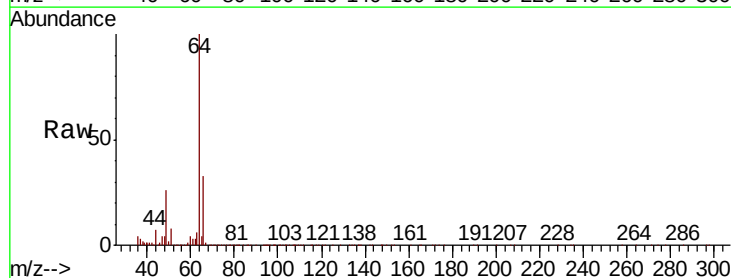
Acq: 13 Feb 2019 12:31

Tgt Ion: 64 Resp: 63888

Ion Ratio Lower Upper

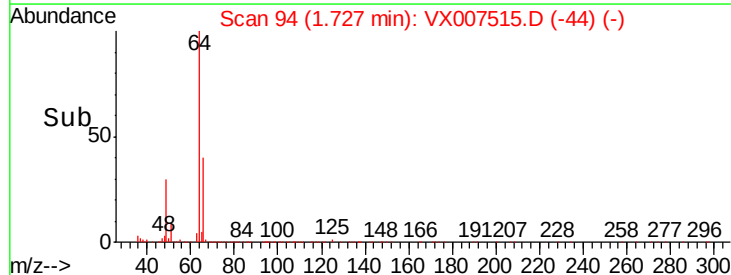
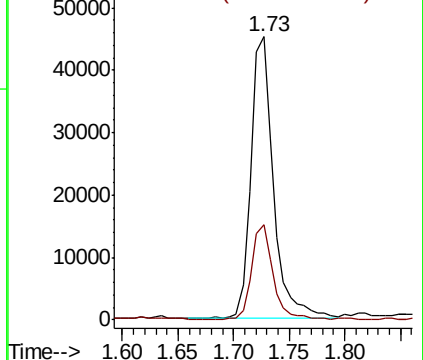
64 100

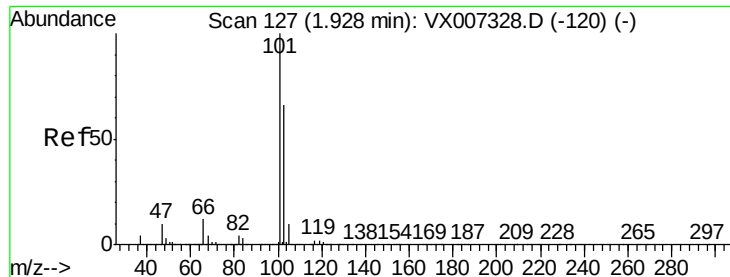
66 33.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

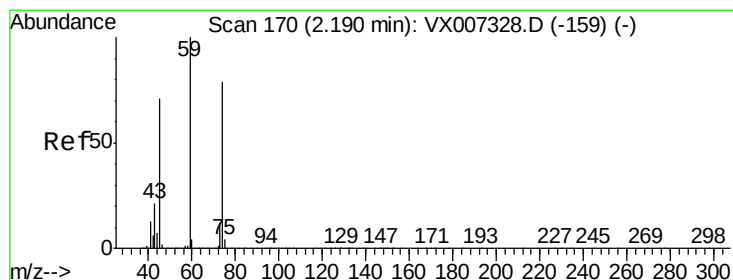
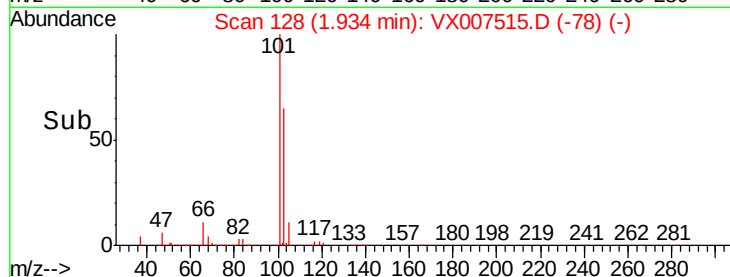
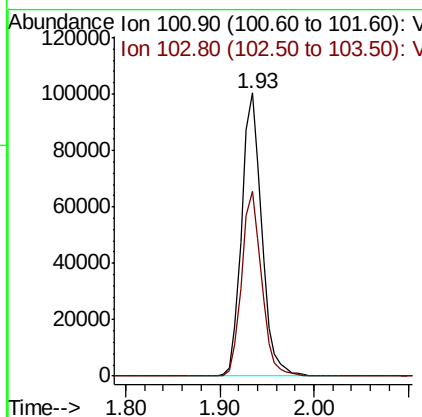
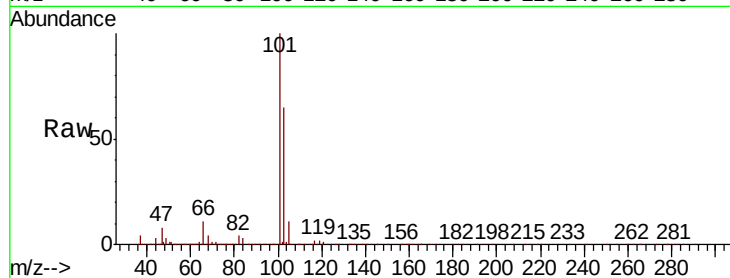
Trichlorofluoromethane
Concen: 19.260 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
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ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	79.0

Manual Integrations
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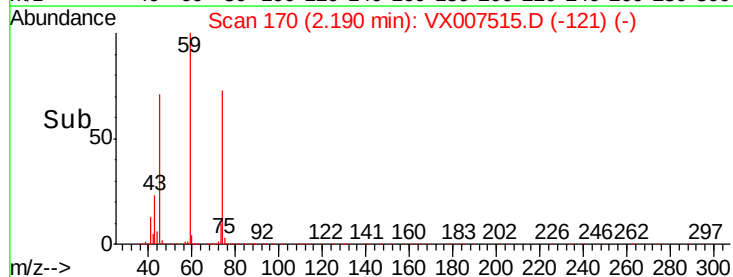
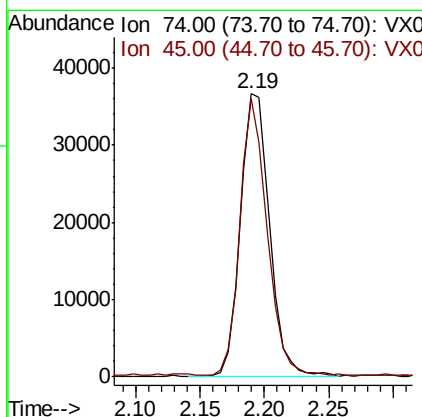
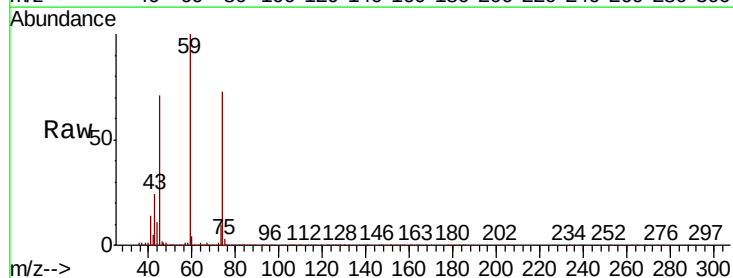
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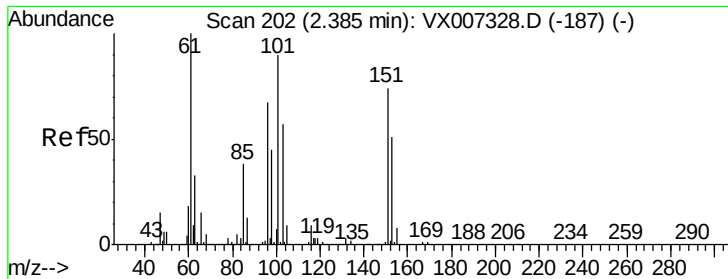


#8

Diethyl Ether
Concen: 19.625 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.573 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

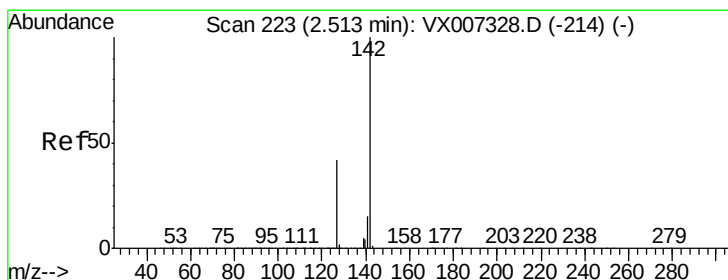
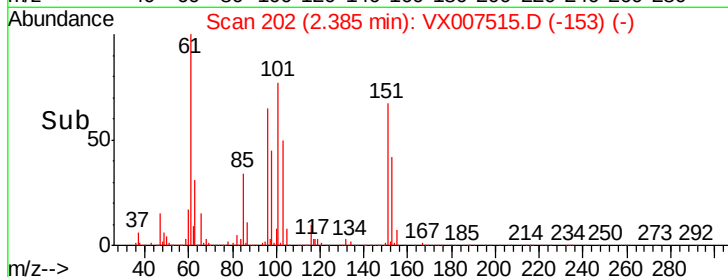
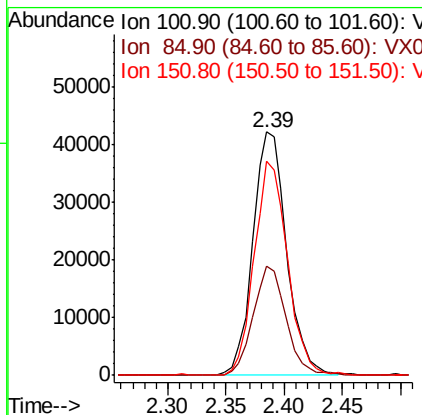
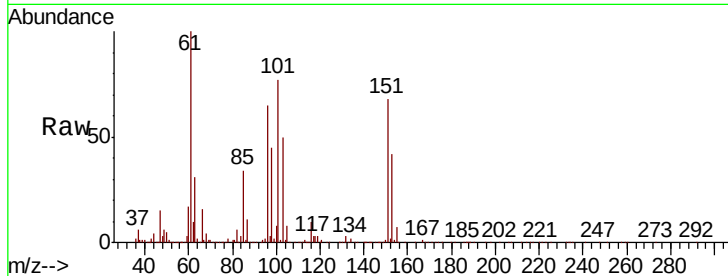
ClientSampleId :

VX0214WBS01

Tot Ion:	101	Resp:	85863
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.1	51.1
151	86.4	69.9	104.9

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#10

Methyl Iodide

Concen: 16.383 ug/l

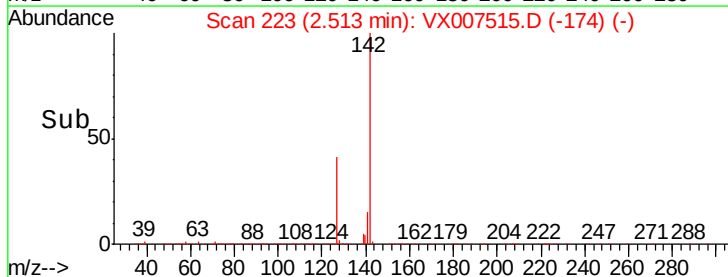
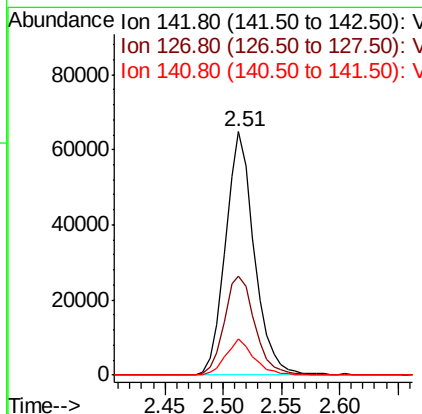
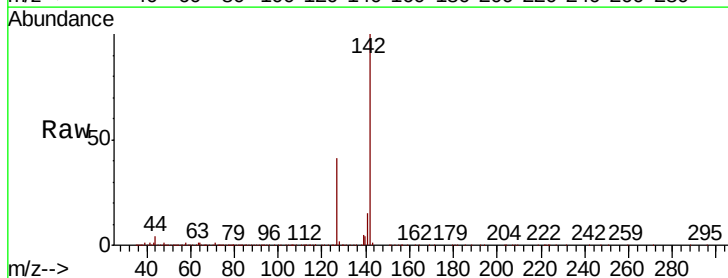
RT: 2.51 min Scan# 223

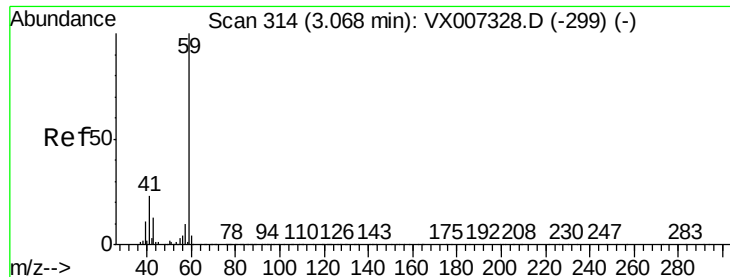
Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion:	142	Resp:	111418
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.7	50.5
141	14.7	11.3	16.9





#11

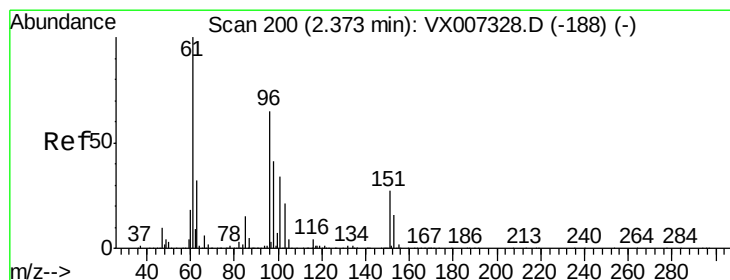
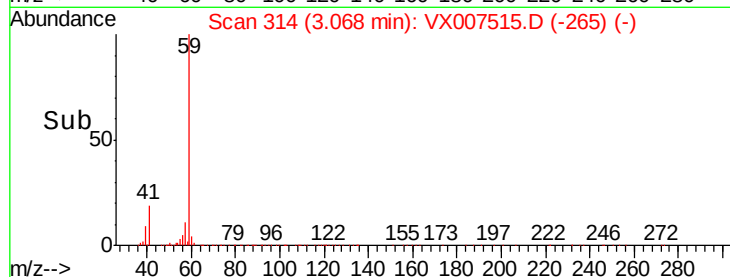
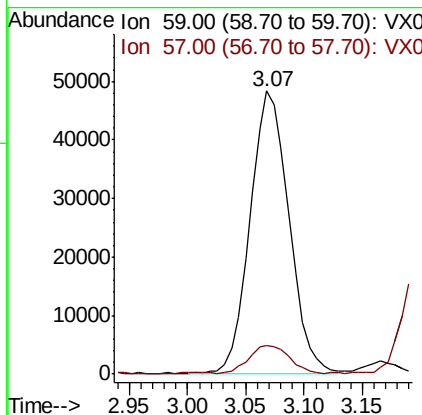
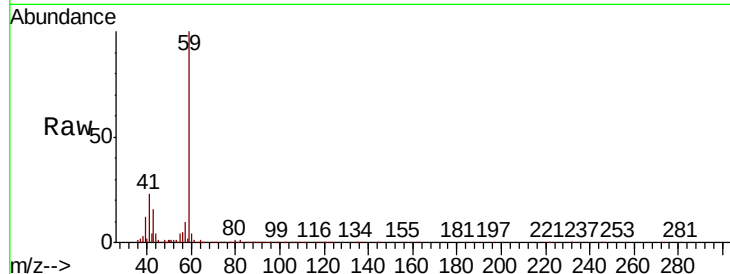
Tert butyl alcohol
Concen: 112.876 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampled :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

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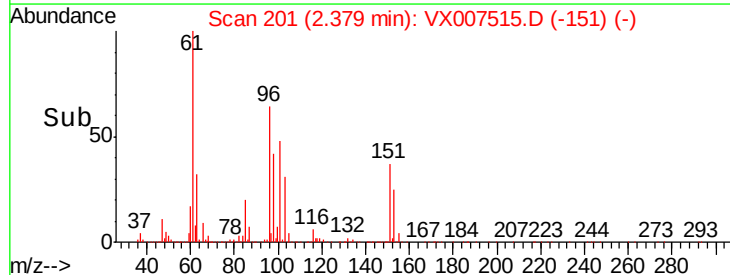
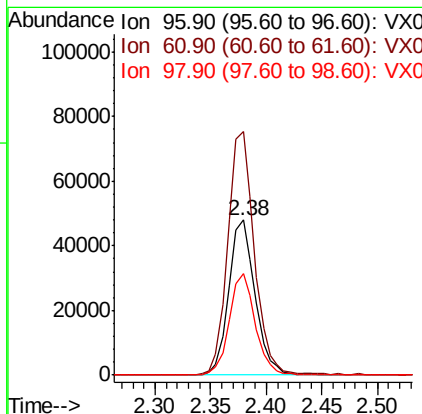
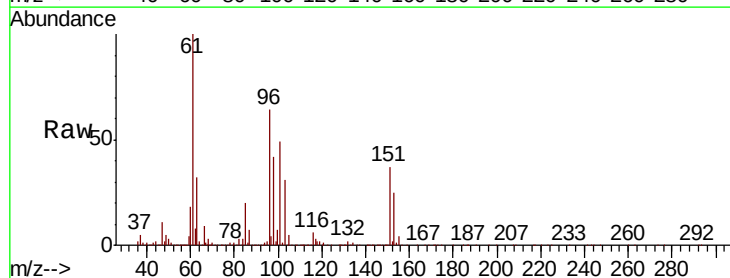
MMDadoda
2/14/2019 10:48:07 AM

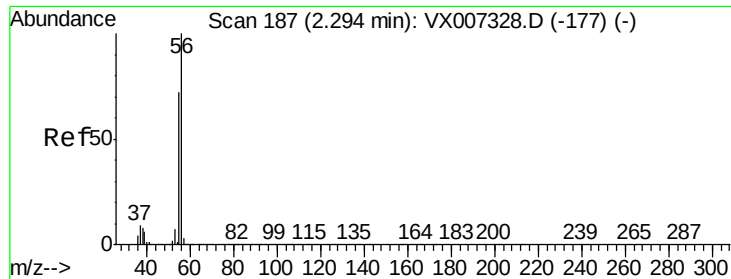


#12

1,1-Dichloroethene
Concen: 18.395 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	123.0	184.4
98	65.7	50.9	76.3





#13

Acrolein

Concen: 88.610 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 56 Resp: 41038

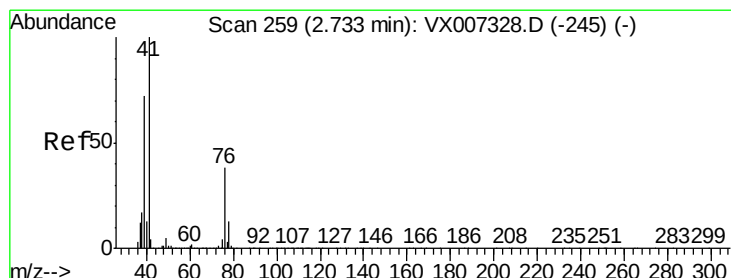
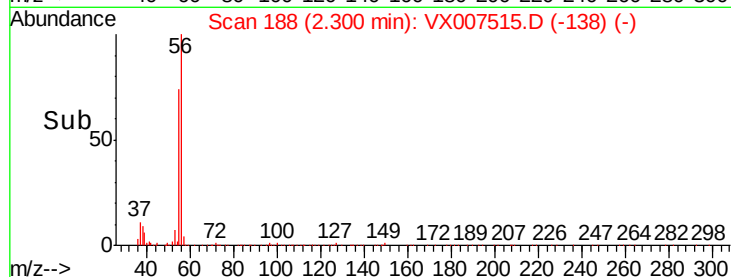
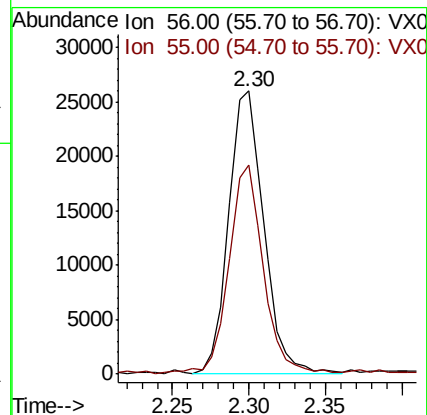
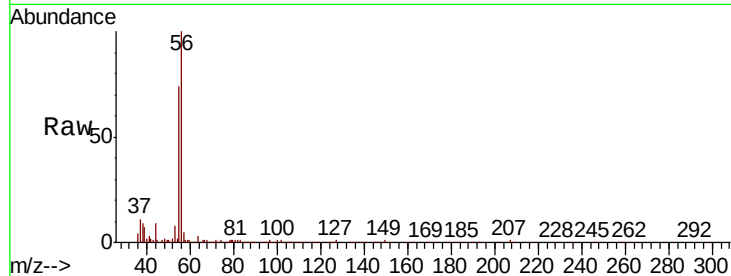
Ion Ratio Lower Upper

56 100

55 72.4 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 20.244 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

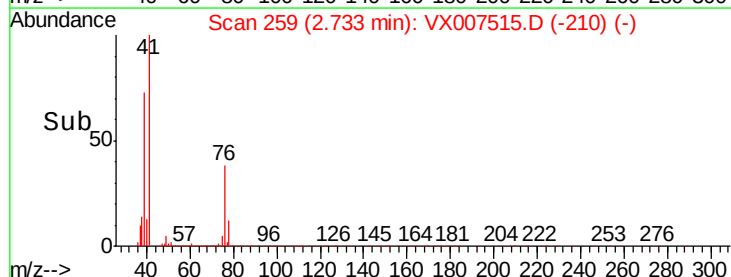
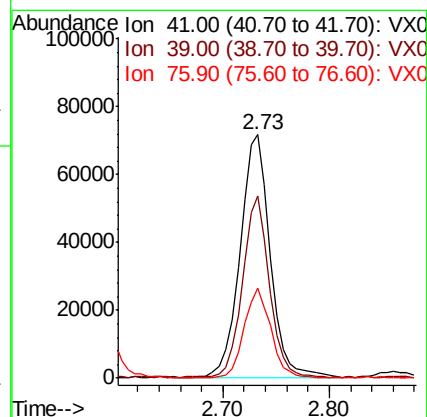
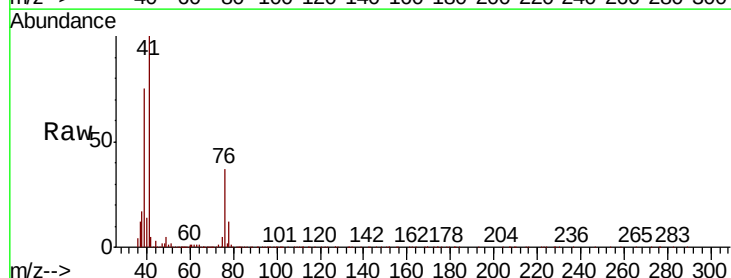
Tgt Ion: 41 Resp: 141602

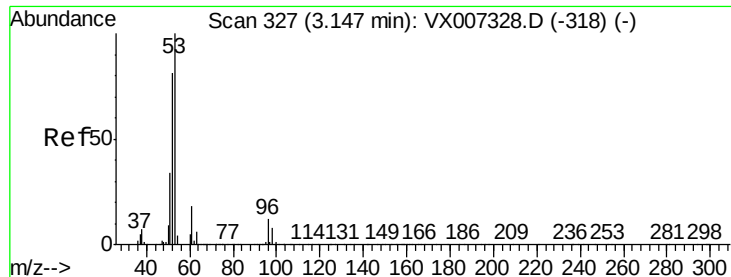
Ion Ratio Lower Upper

41 100

39 68.0 54.1 81.1

76 32.8 27.8 41.8





#15

Acrylonitrile

Concen: 105.197 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

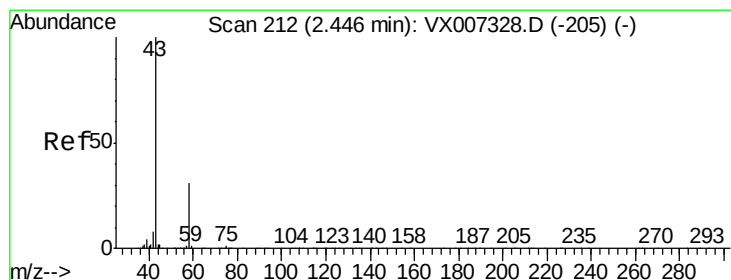
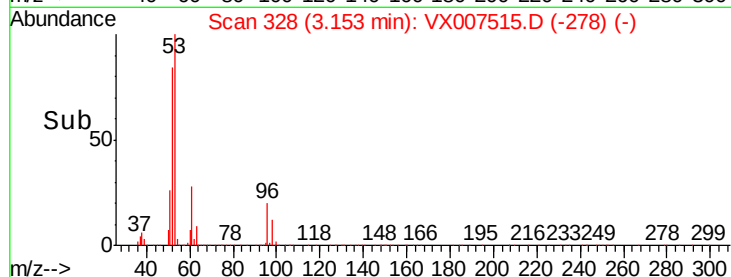
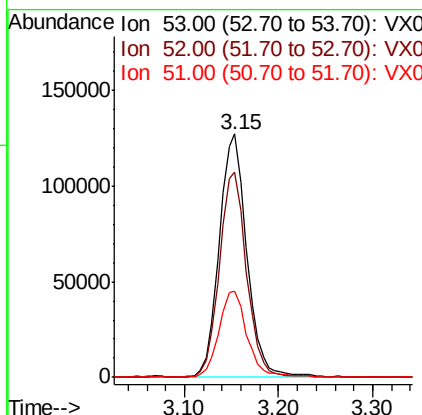
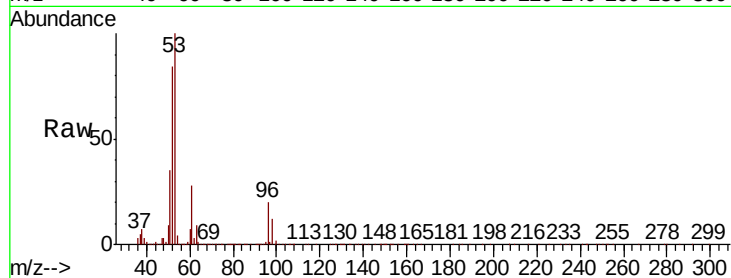
ClientSampleId :

VX0214WBS01

Tot Ion:	53	Resp:	257018
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.1	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 116.830 ug/l

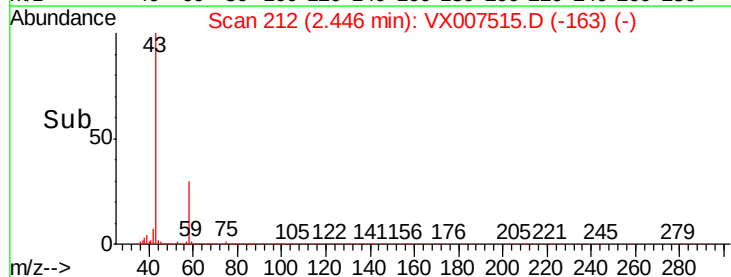
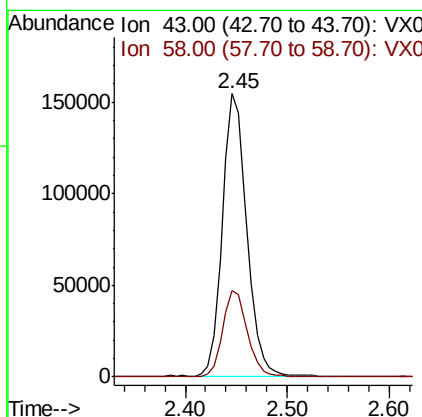
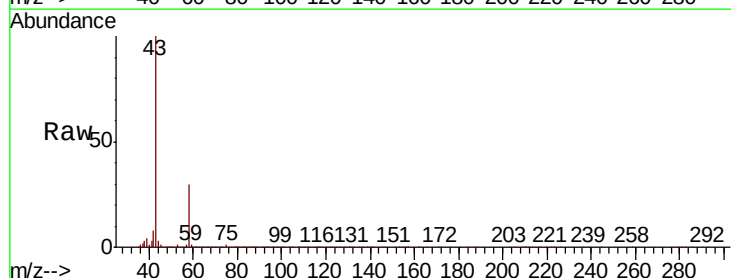
RT: 2.45 min Scan# 212

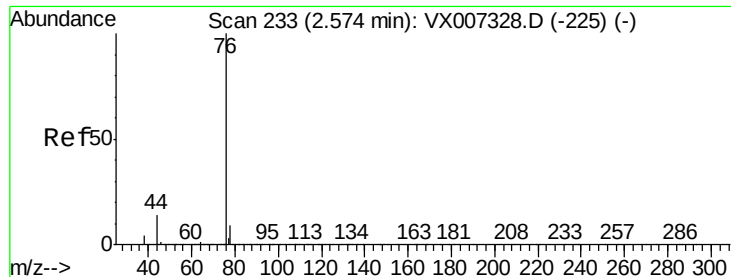
Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion:	43	Resp:	255399
Ion Ratio		Lower	Upper
43	100		
58	30.4	24.9	37.3





#17

Carbon Disulfide

Concen: 18.588 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 76 Resp: 193045

Ion Ratio Lower Upper

76 100

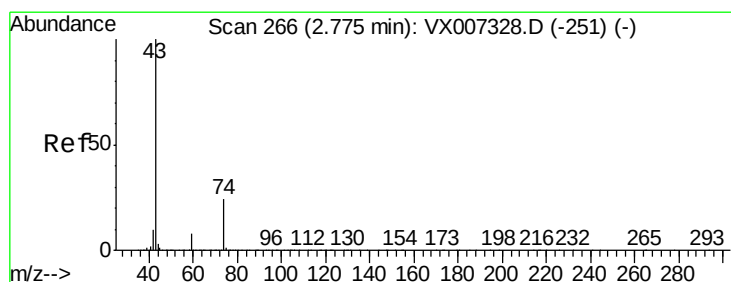
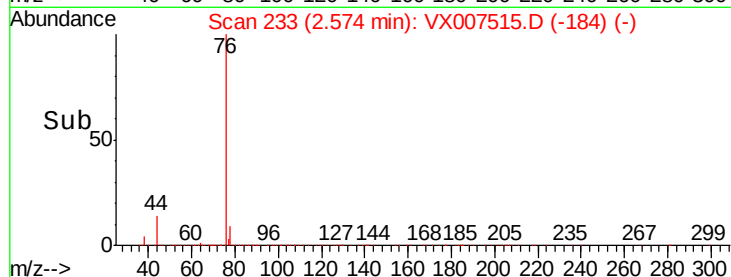
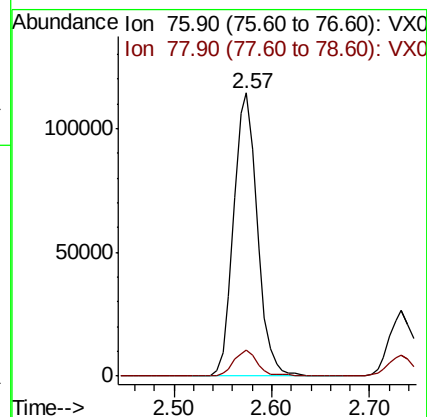
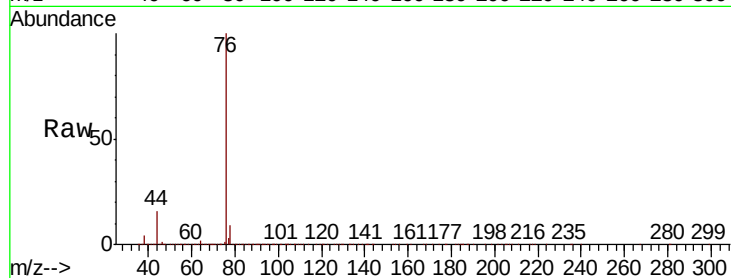
78 9.3 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 25.087 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007515.D

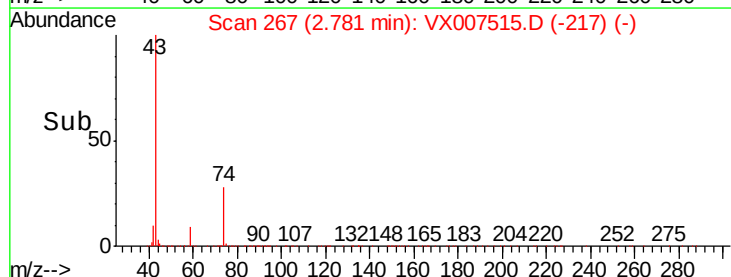
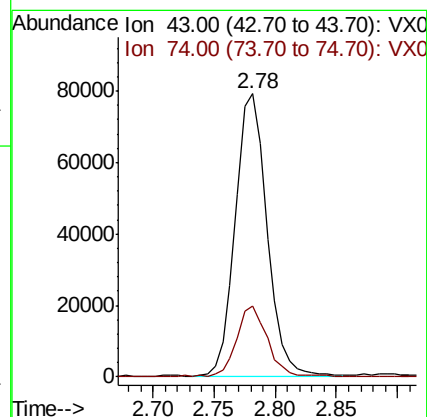
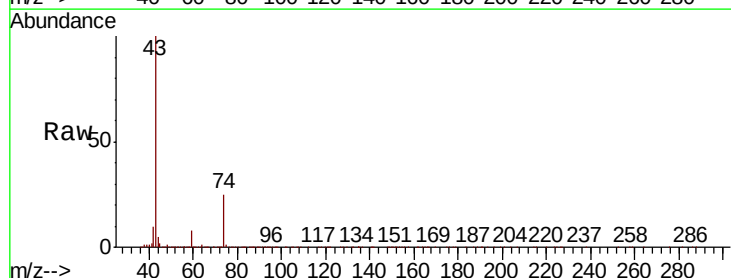
Acq: 13 Feb 2019 12:31

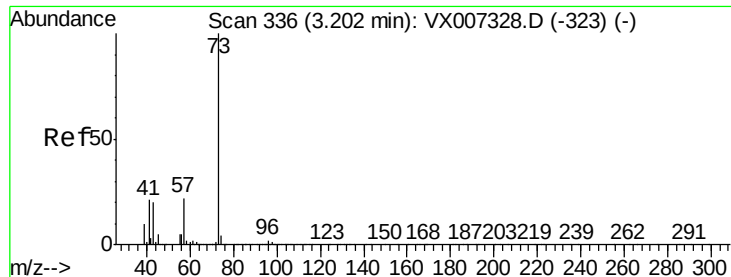
Tgt Ion: 43 Resp: 141191

Ion Ratio Lower Upper

43 100

74 24.7 19.4 29.2





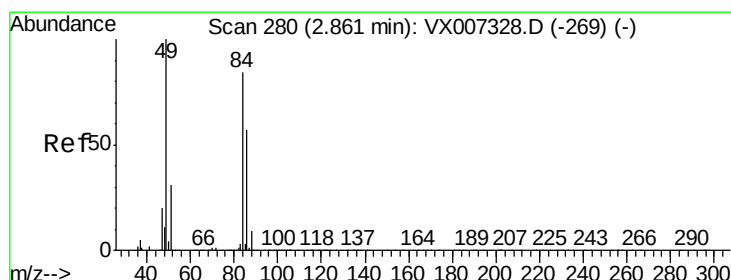
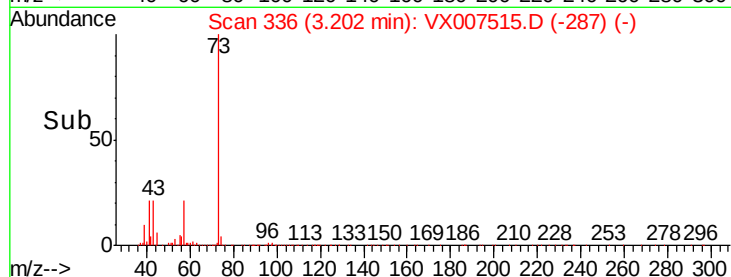
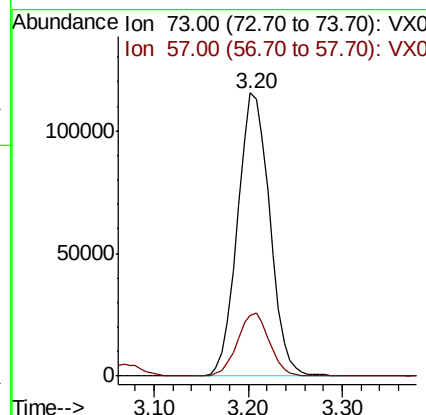
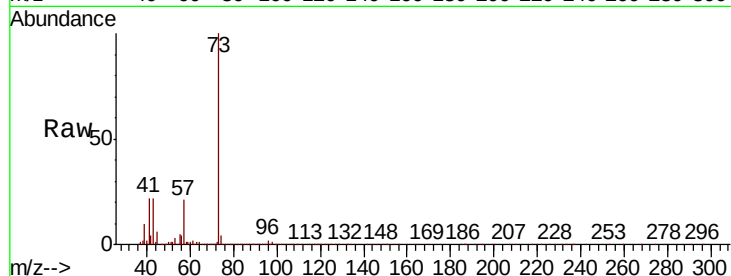
#19
Methyl tert-butyl Ether
Concen: 19.805 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.8	26.8

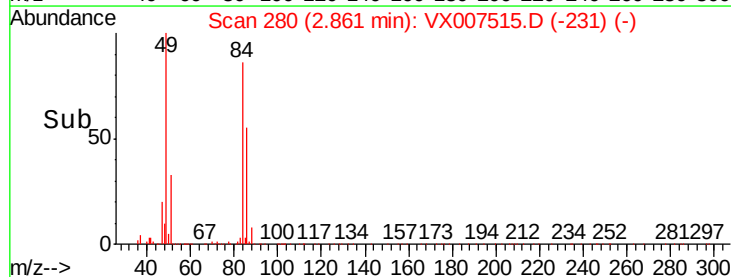
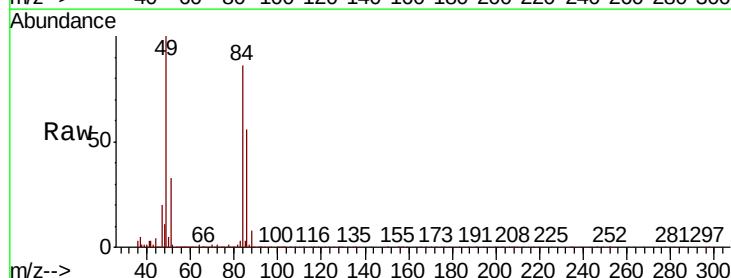
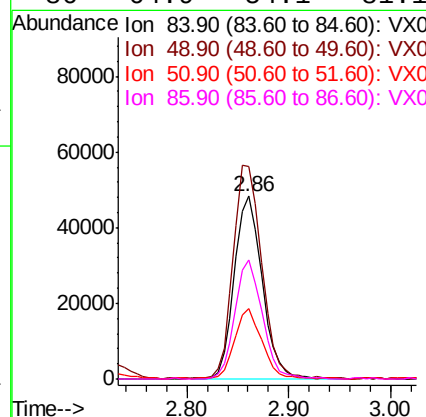
Manual Integrations
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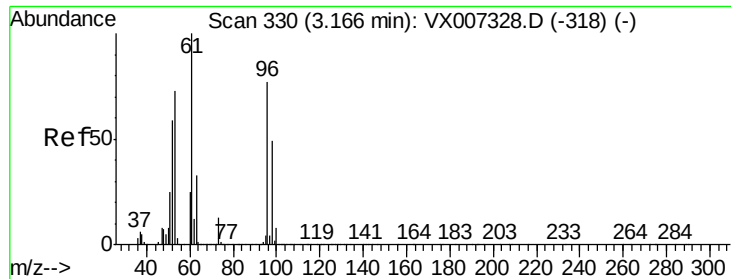
MMDadoda
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#20
Methylene Chloride
Concen: 20.314 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.3	94.8	142.2
51	38.8	29.8	44.8
86	64.9	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 18.500 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

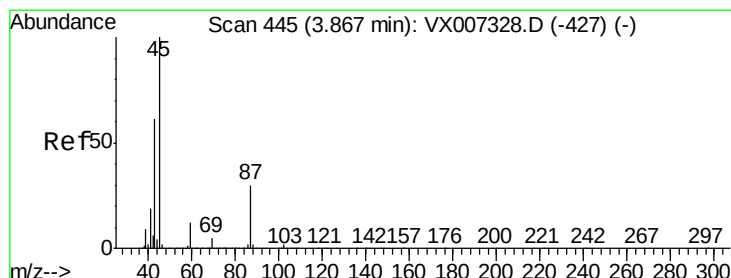
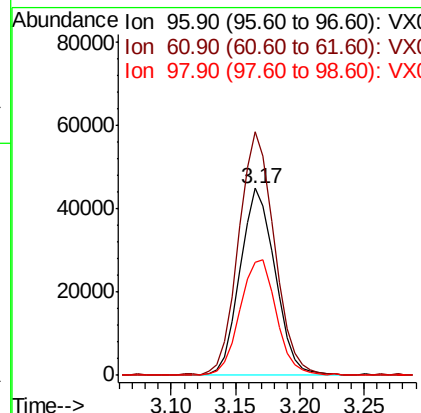
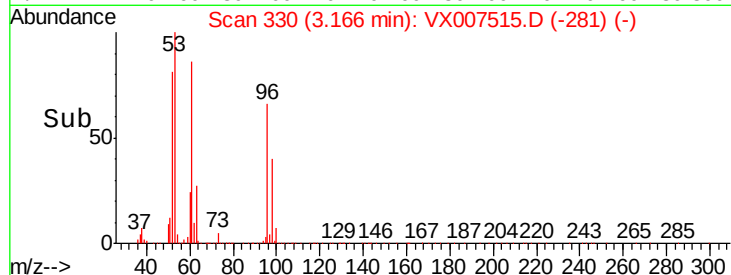
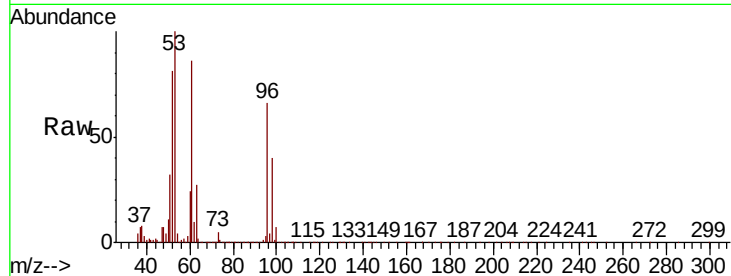
ClientSampleId :

VX0214WBS01

Tot Ion:	96	Resp:	84602
Ion Ratio	Lower	Upper	
96	100		
61	130.1	104.6	156.8
98	60.5	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.311 ug/l

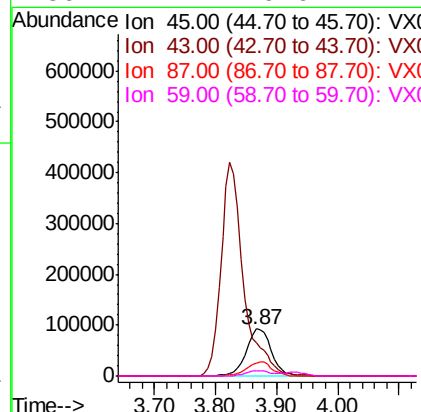
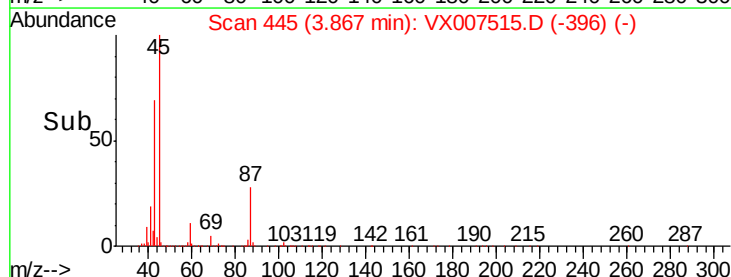
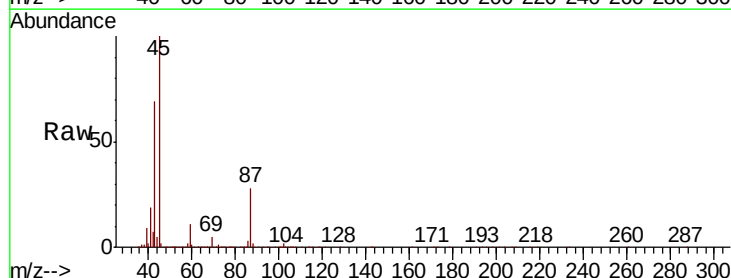
RT: 3.87 min Scan# 445

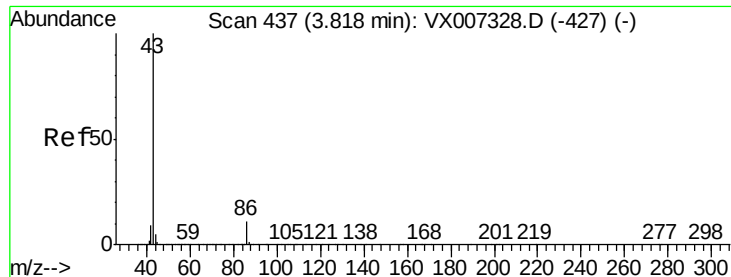
Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion:	45	Resp:	261333
Ion Ratio	Lower	Upper	
45	100		
43	69.4	48.9	73.3
87	28.4	23.9	35.9
59	11.1	9.6	14.4





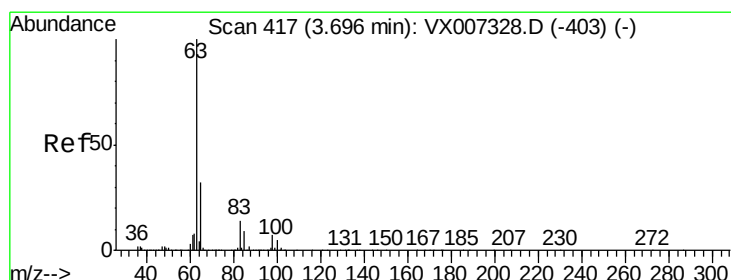
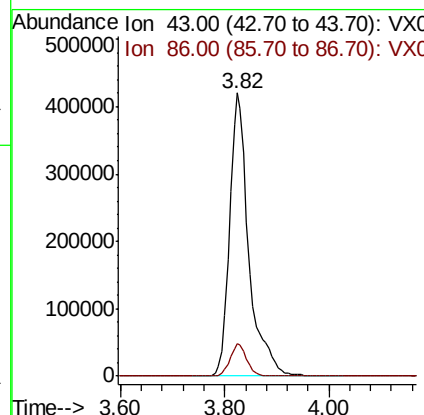
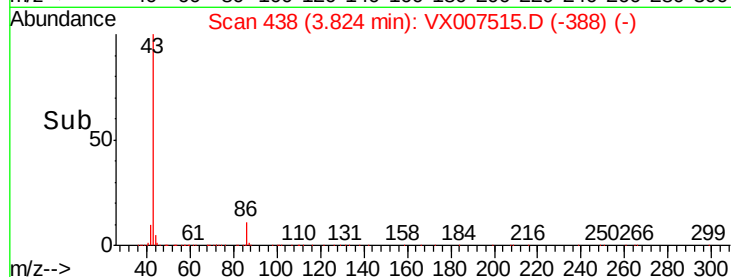
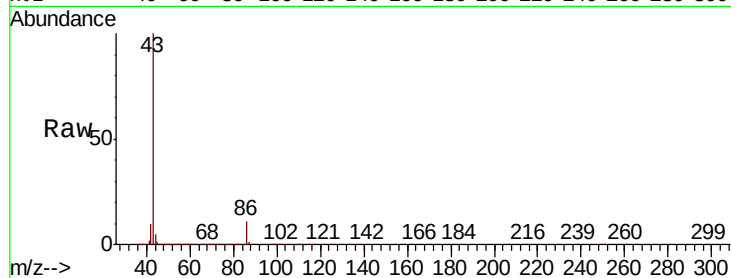
#23
 Vinyl Acetate
 Concen: 102.384 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion: 43 Resp: 1093147
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.7 13.1

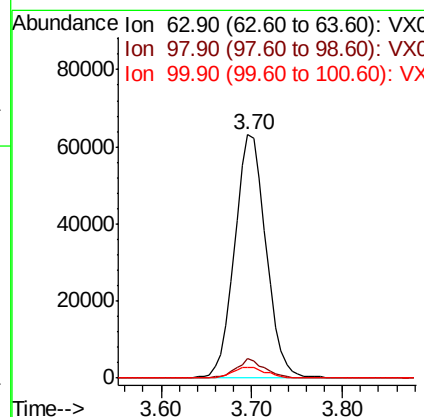
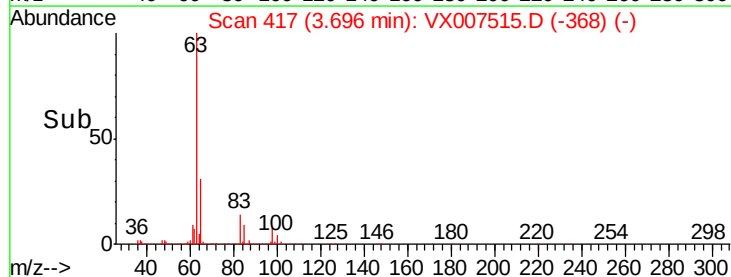
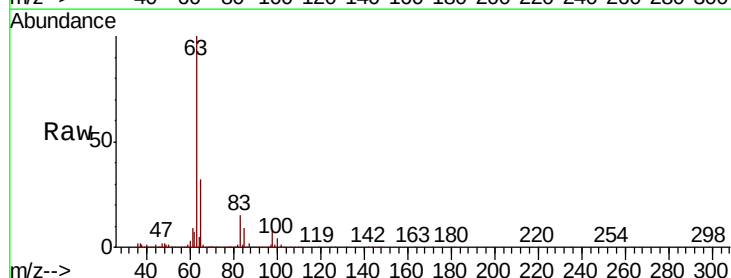
Manual Integrations
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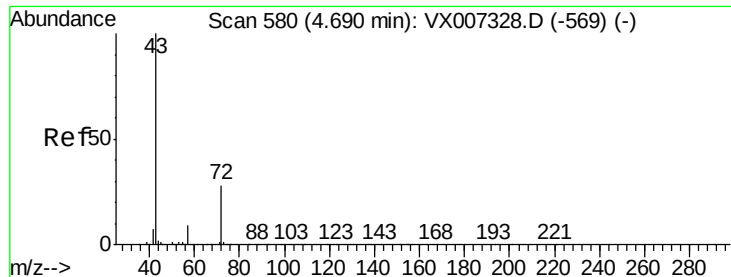
MMDadoda
 2/14/2019 10:48:07 AM



#24
 1,1-Dichloroethane
 Concen: 20.499 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion: 63 Resp: 151468
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.6 10.8
 100 4.4 2.5 7.4





#25

2-Butanone

Concen: 113.603 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 43 Resp: 353426

Ion Ratio Lower Upper

43 100

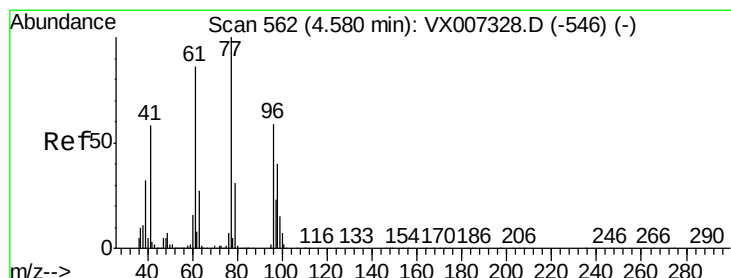
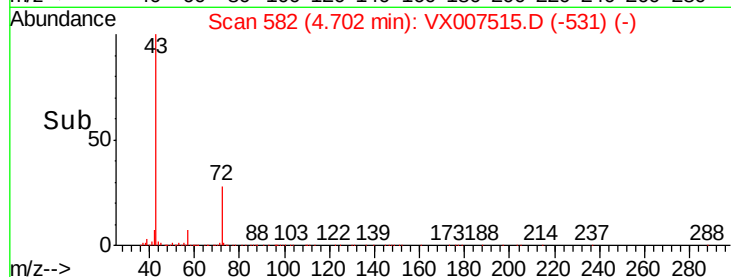
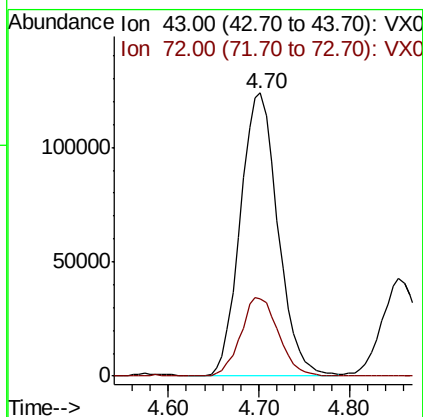
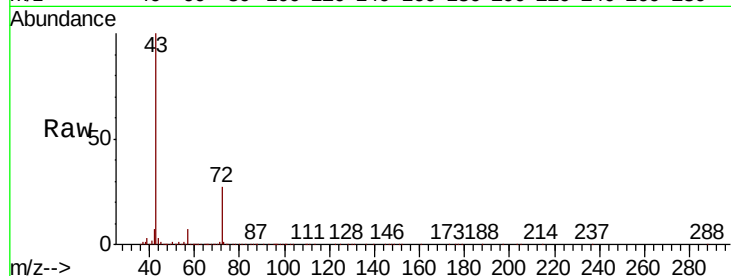
72 27.3 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

2/14/2019 10:48:07 AM



#26

2,2-Dichloropropane

Concen: 20.259 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX007515.D

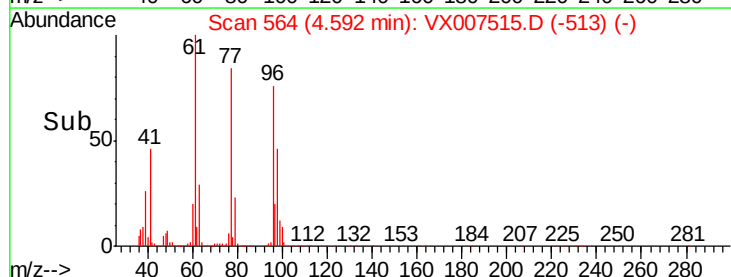
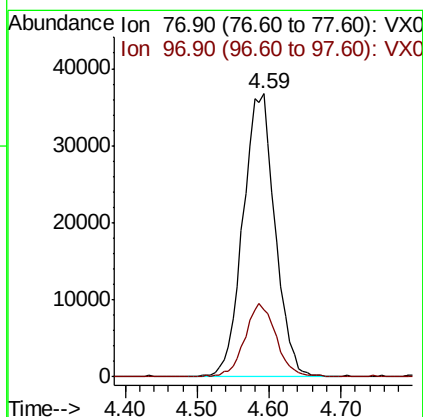
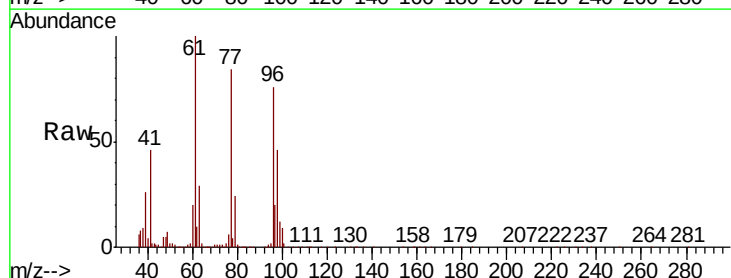
Acq: 13 Feb 2019 12:31

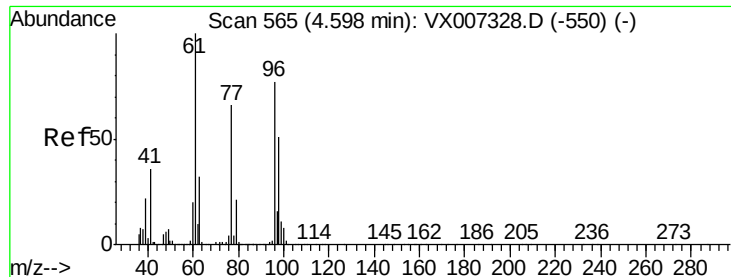
Tgt Ion: 77 Resp: 113999

Ion Ratio Lower Upper

77 100

97 25.3 12.1 36.3





#27

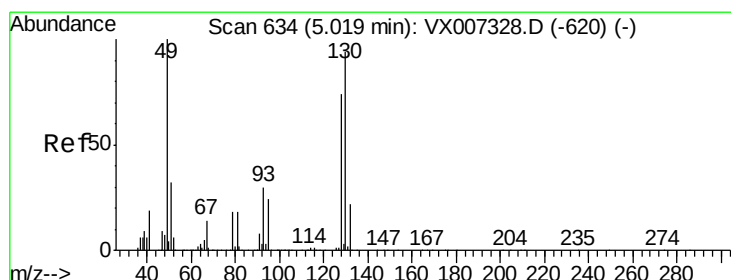
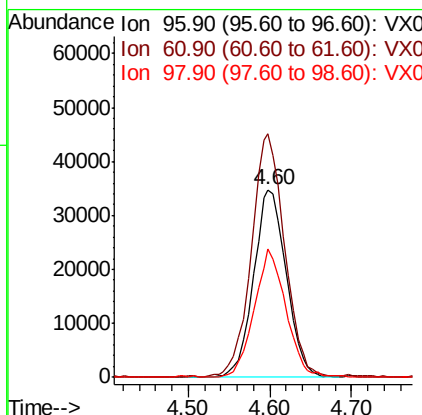
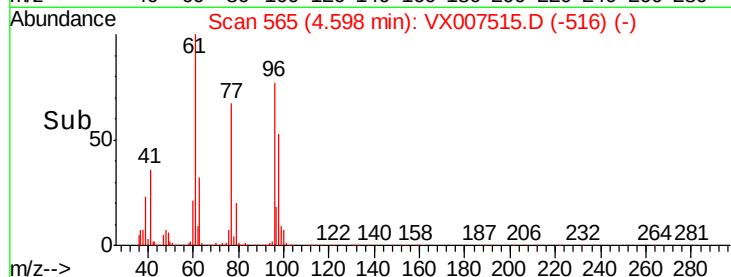
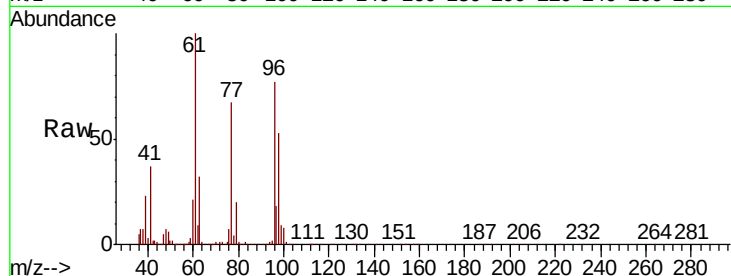
cis-1,2-Dichloroethene
Concen: 19.445 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	265.6
98	66.7	0.0	131.6

Manual Integrations
APPROVED

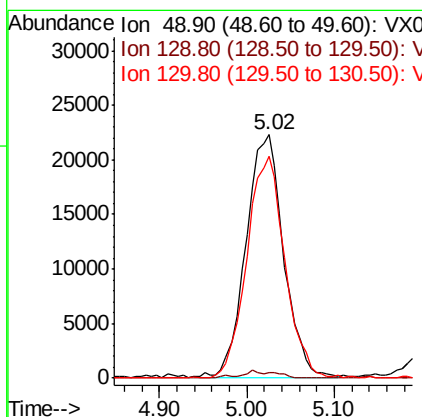
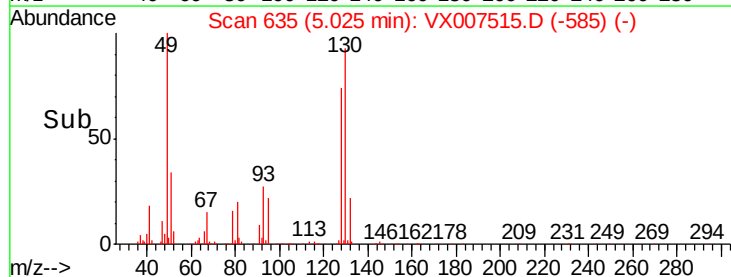
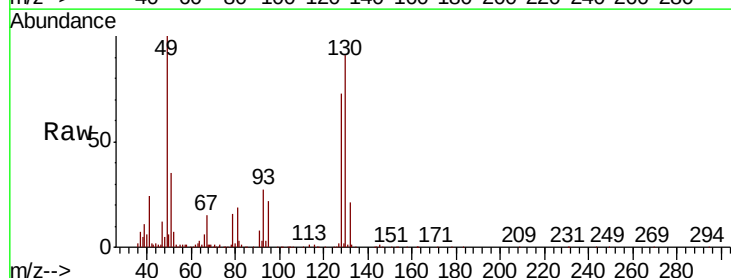
MMDadoda
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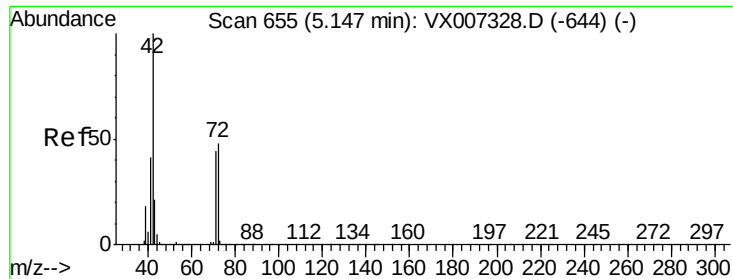


#28

Bromochloromethane
Concen: 19.593 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	5.6
130	92.7	75.6	113.4





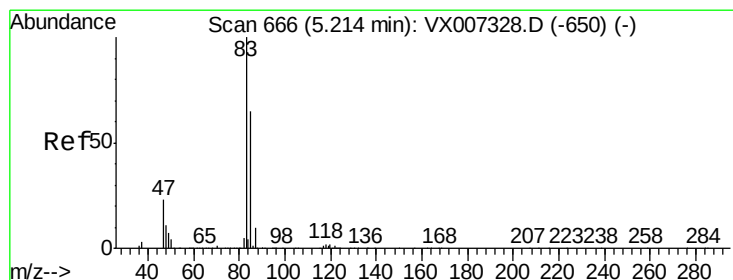
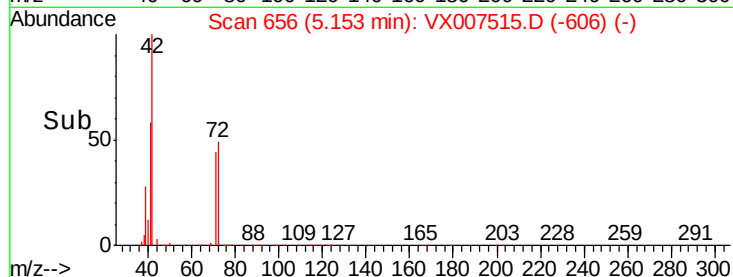
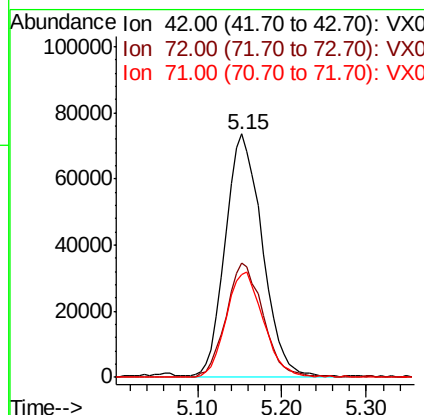
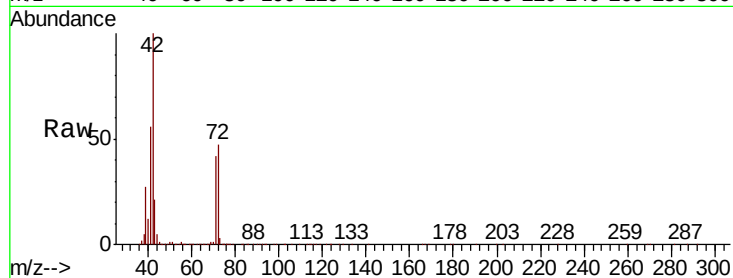
#29
Tetrahydrofuran
Concen: 112.080 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.6	56.4
71	43.6	34.6	51.8

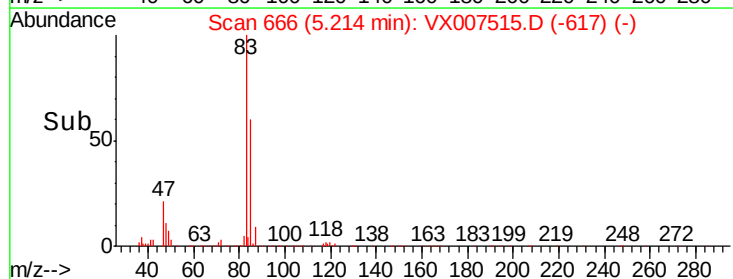
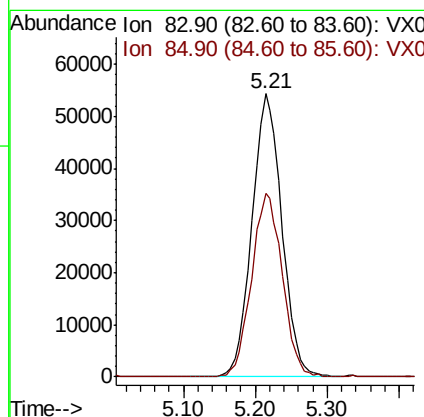
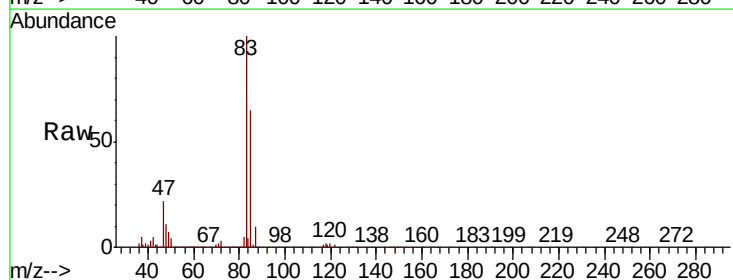
Manual Integrations
APPROVED

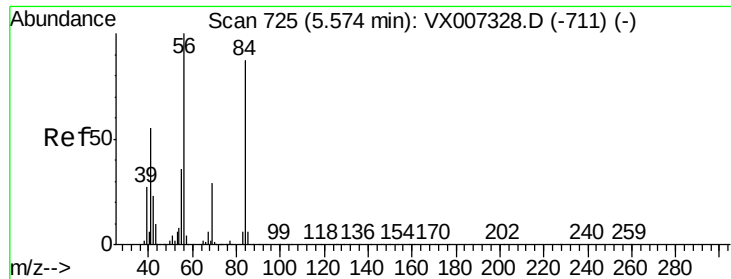
MMDadoda
2/14/2019 10:48:07 AM



#30
Chloroform
Concen: 20.280 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4





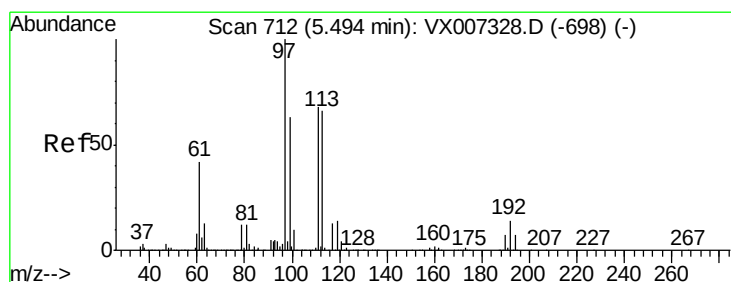
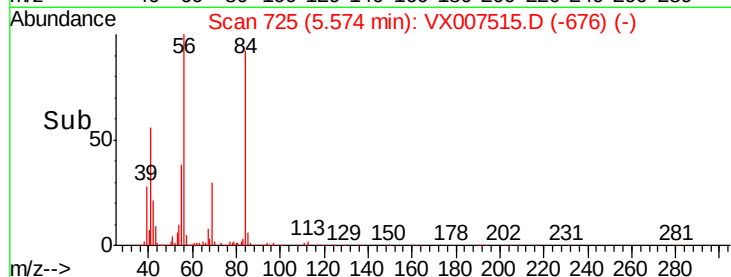
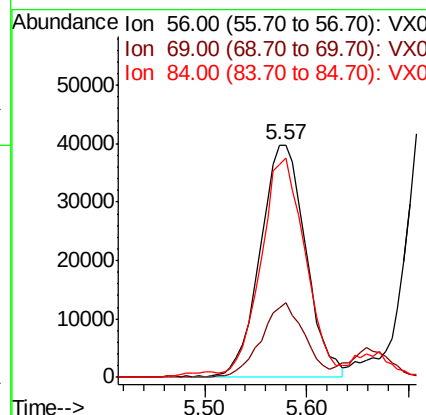
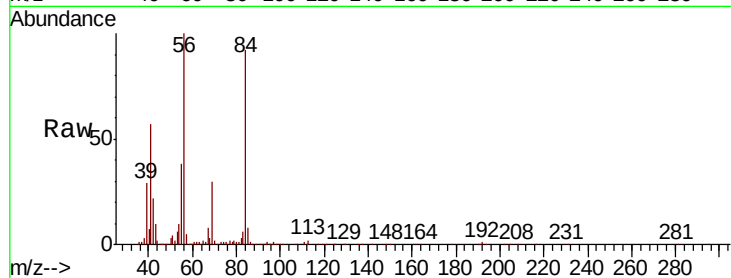
#31
Cyclohexane
Concen: 18.460 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.0	34.6
84	90.1	69.8	104.6

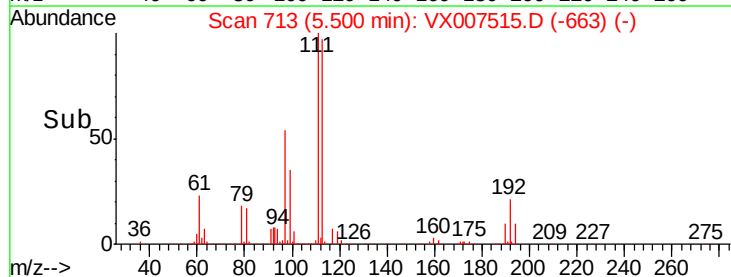
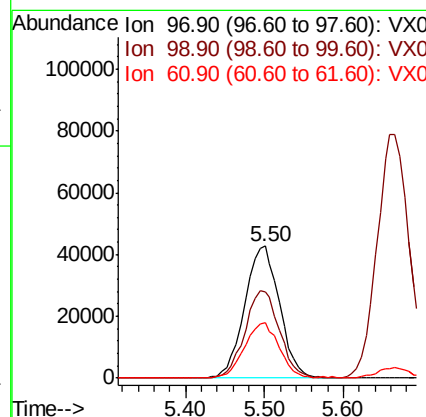
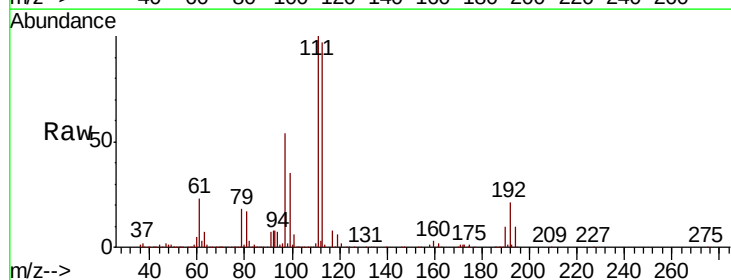
Manual Integrations
APPROVED

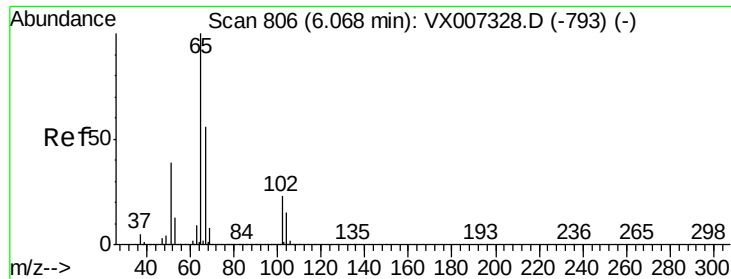
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.189 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.2
61	41.2	32.7	49.1





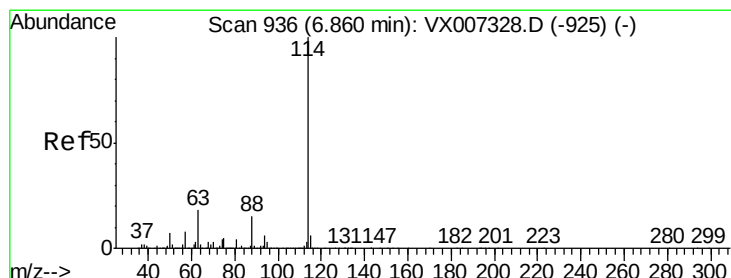
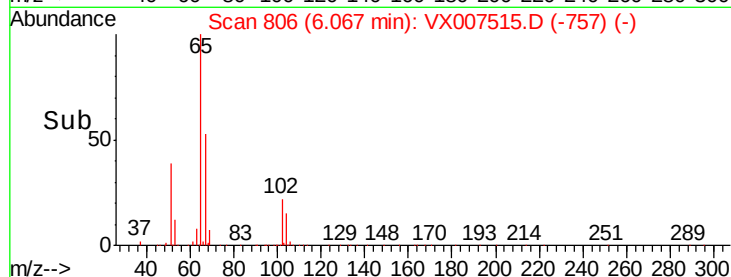
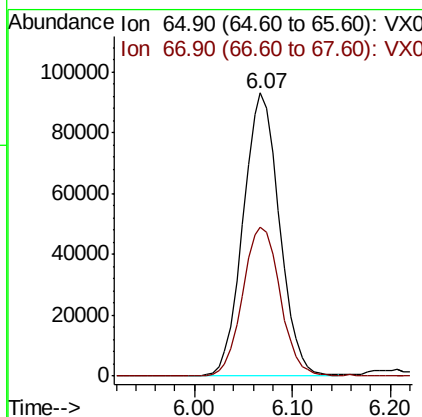
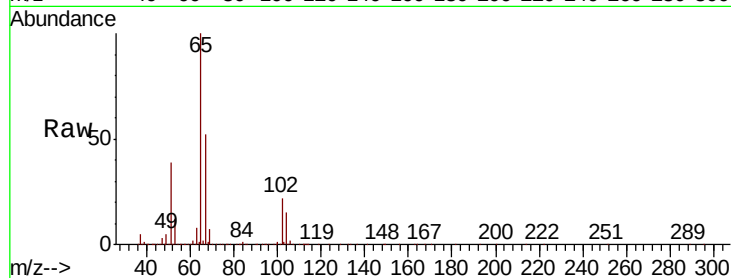
#33
 1,2-Dichloroethane-d4
 Concen: 50.181 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	108.8

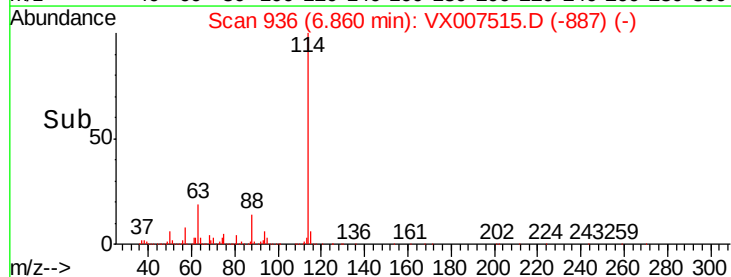
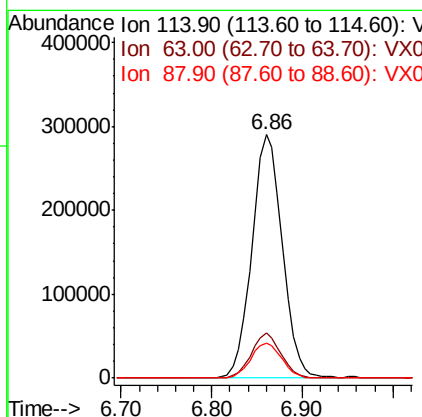
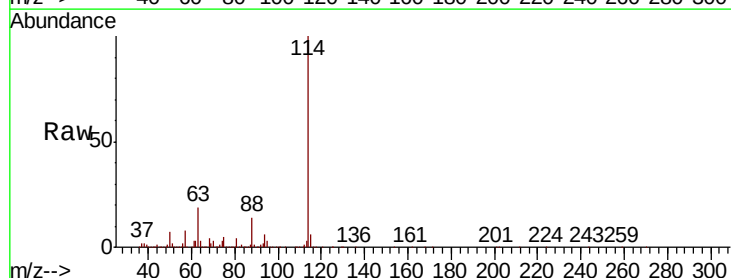
Manual Integrations
 APPROVED

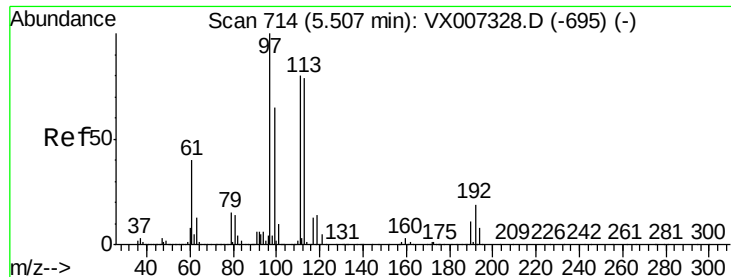
MMDadoda
 2/14/2019 10:48:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	35.6
88	14.3	0.0	29.6





#35

Dibromofluoromethane

Concen: 49.930 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

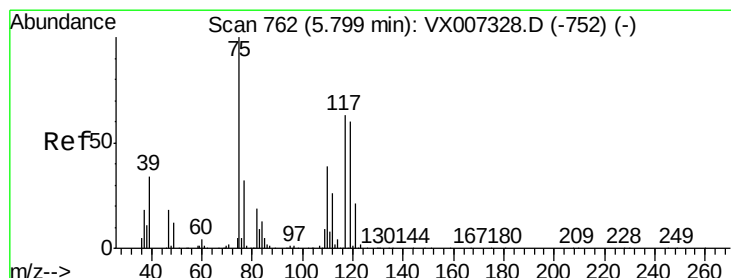
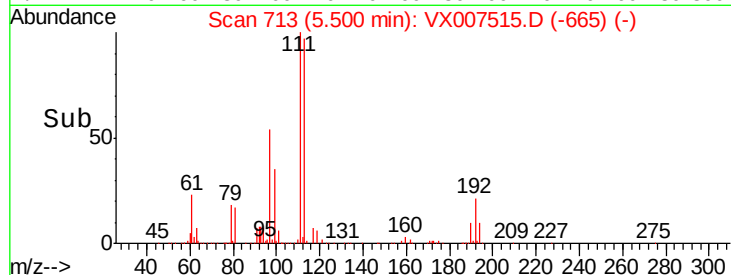
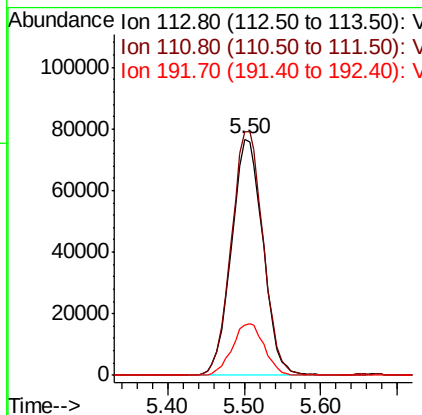
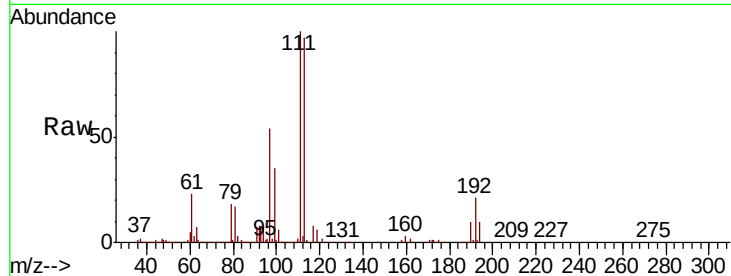
ClientSampleId :

VX0214WBS01

Tot Ion:	113	Resp:	218900
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.8	122.8
192	22.3	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.285 ug/l

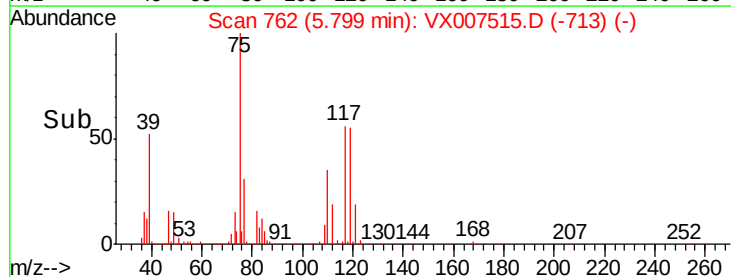
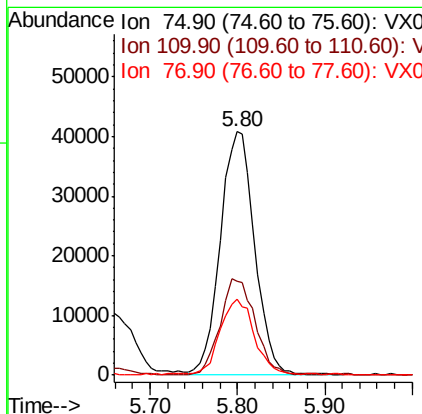
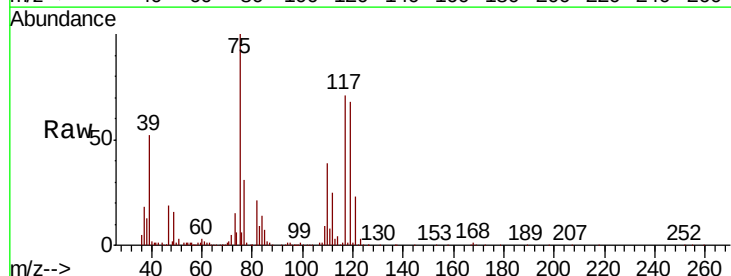
RT: 5.80 min Scan# 762

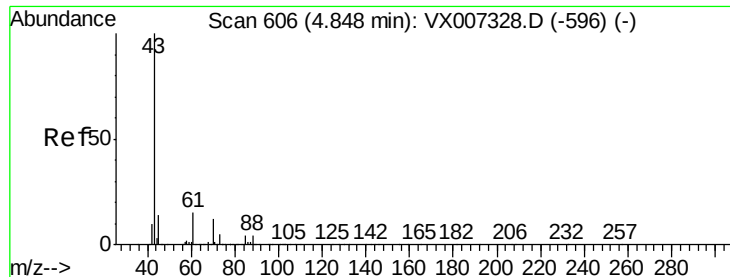
Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion:	75	Resp:	110542
Ion Ratio	Lower	Upper	
75	100		
110	40.3	20.0	59.9
77	30.7	24.7	37.1





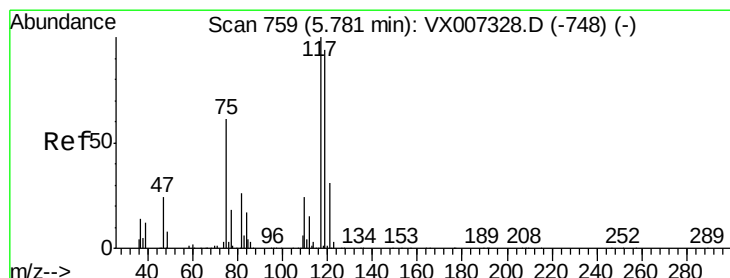
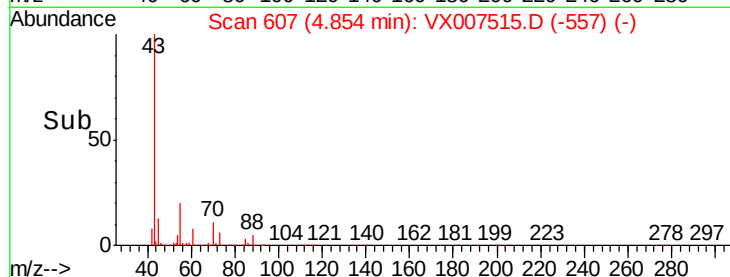
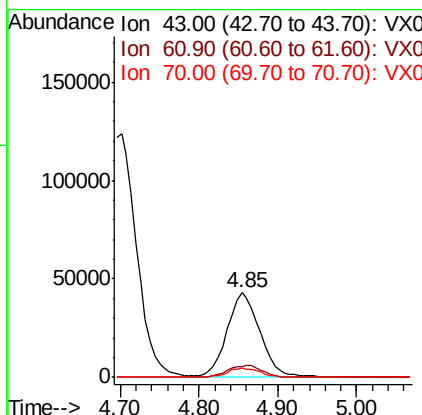
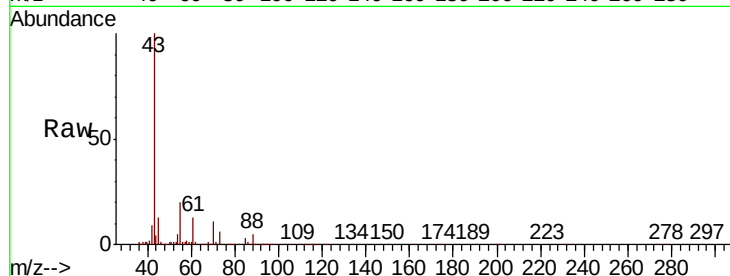
#37
Ethyl Acetate
Concen: 20.208 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	43	Resp	123499
Ion Ratio	Lower	Upper	
43	100		
61	14.7	11.3	16.9
70	11.7	8.6	13.0

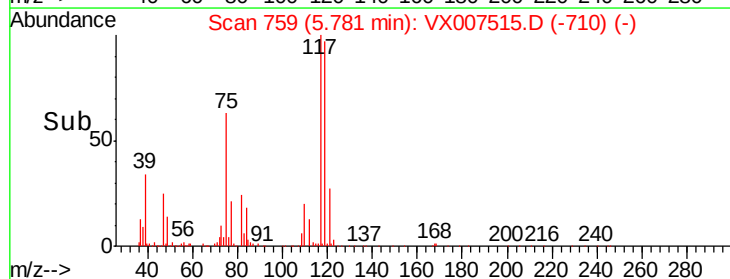
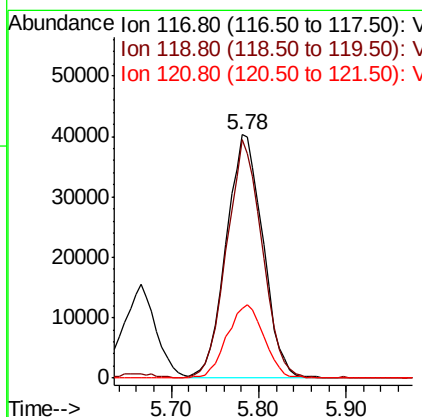
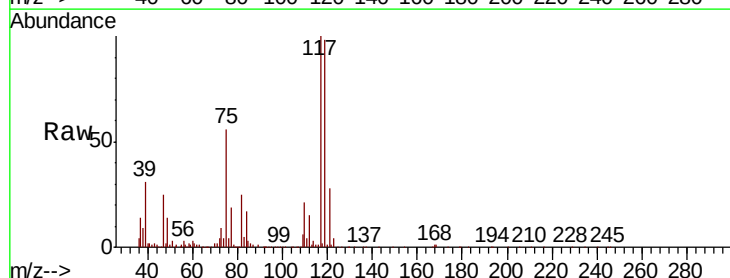
Manual Integrations
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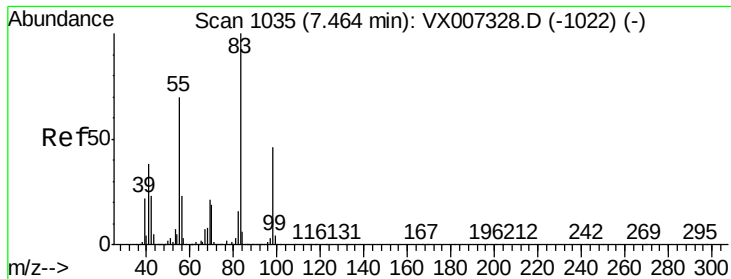
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#38
Carbon Tetrachloride
Concen: 19.981 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	117	Resp	117192
Ion Ratio	Lower	Upper	
117	100		
119	97.7	75.3	112.9
121	28.5	25.0	37.4





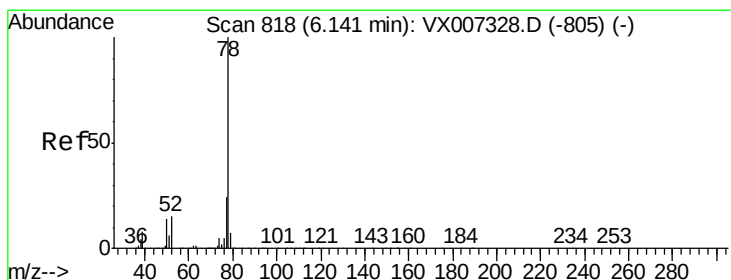
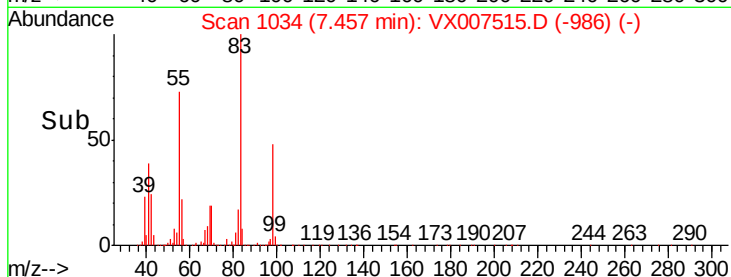
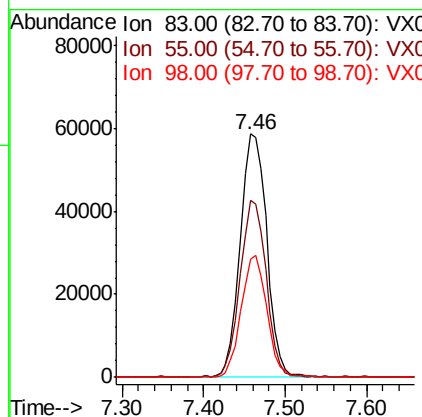
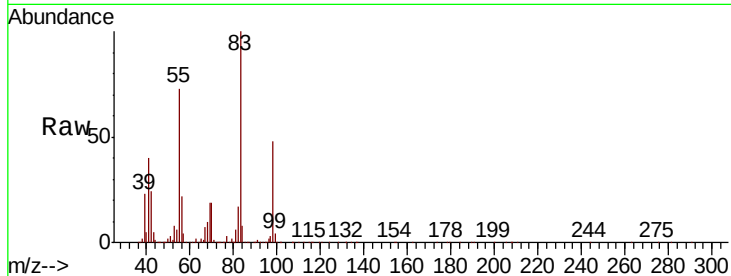
#39
Methylvlcyclohexane
Concen: 18.052 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	132044		
55	72.8		56.2	84.2
98	48.3		36.8	55.2

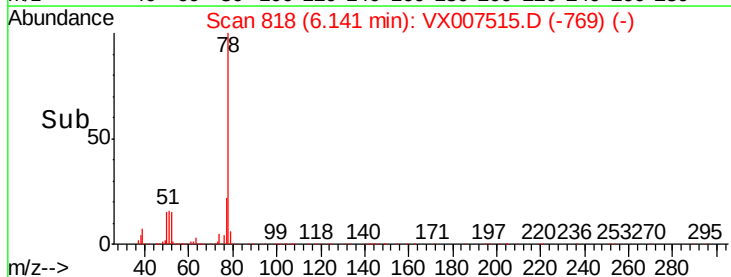
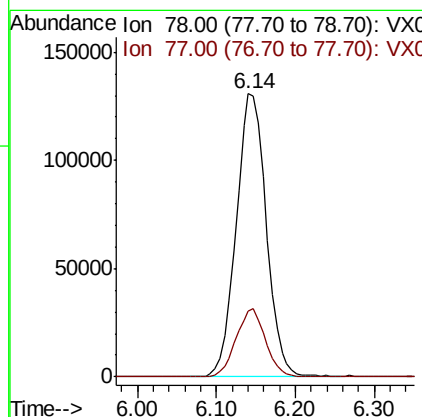
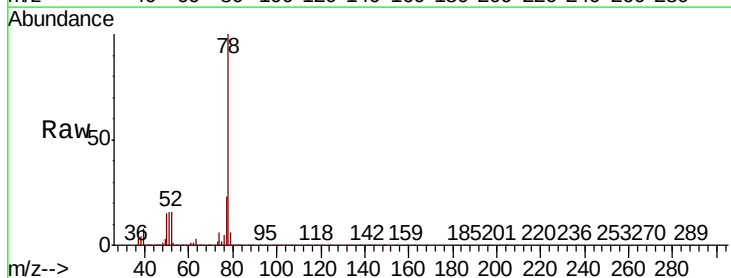
Manual Integrations
APPROVED

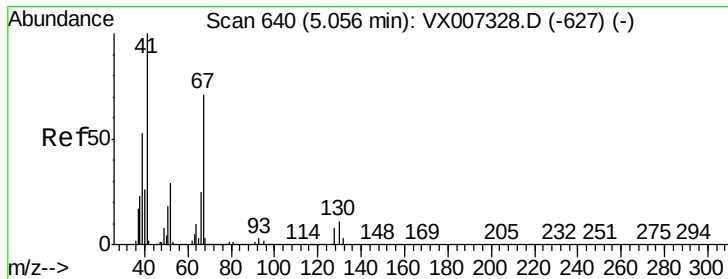
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#40
Benzene
Concen: 19.461 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	346564		
77	23.2		19.3	28.9





#41

Methacrylonitrile

Concen: 21.582 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

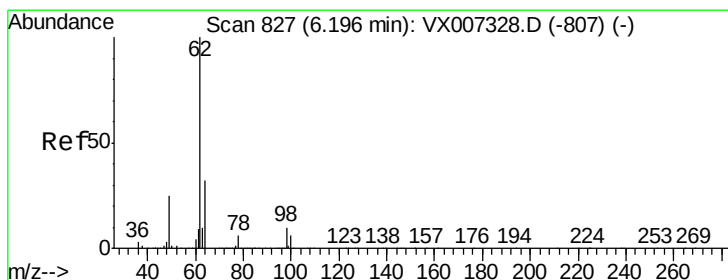
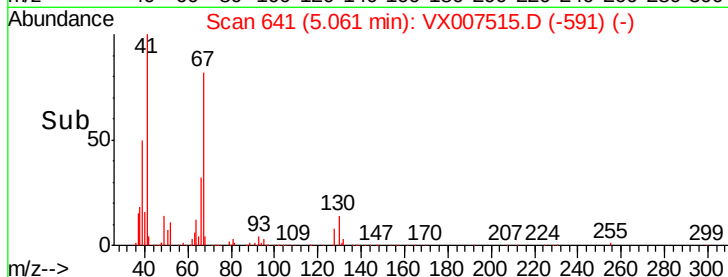
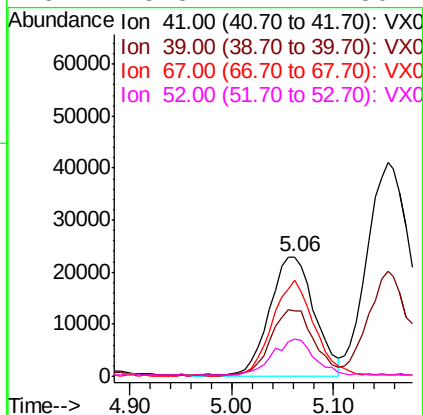
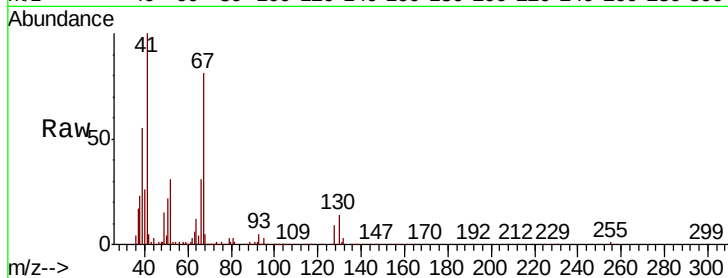
ClientSampleId :

VX0214WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		70690		
39	51.5	44.5	66.7		
67	76.2	60.4	90.6		
52	28.3	24.1	36.1		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.547 ug/l

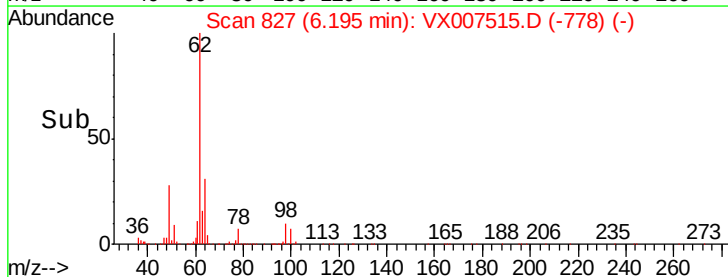
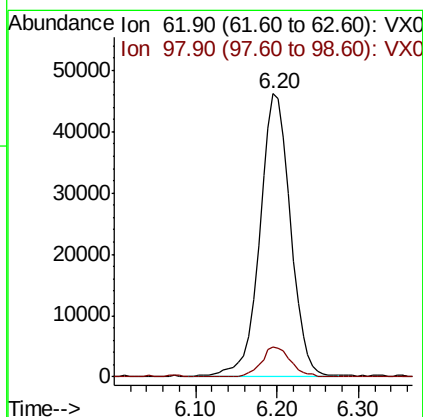
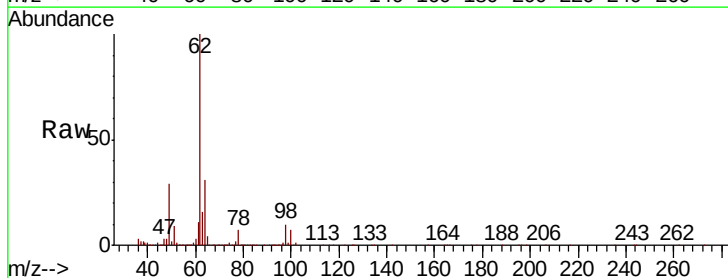
RT: 6.20 min Scan# 827

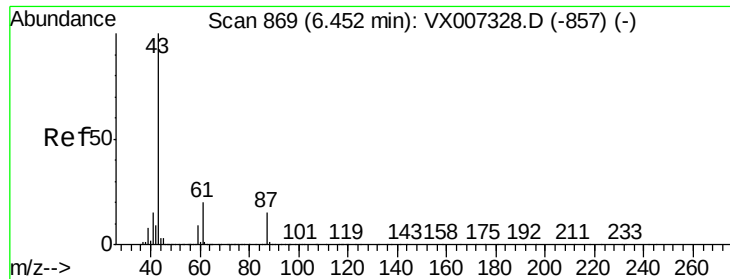
Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		120440		
98	10.3	0.0	19.0		





#43

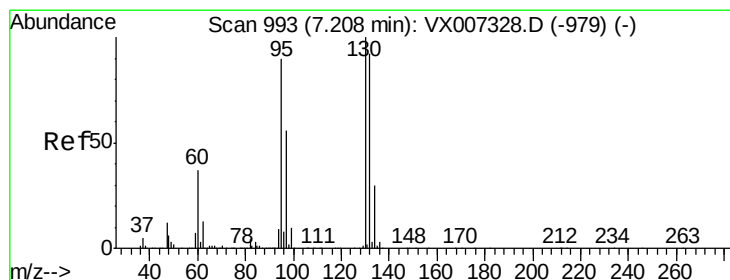
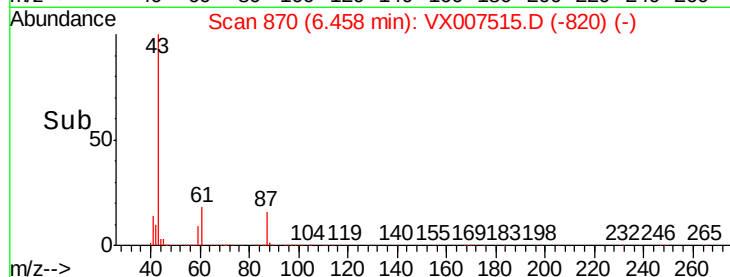
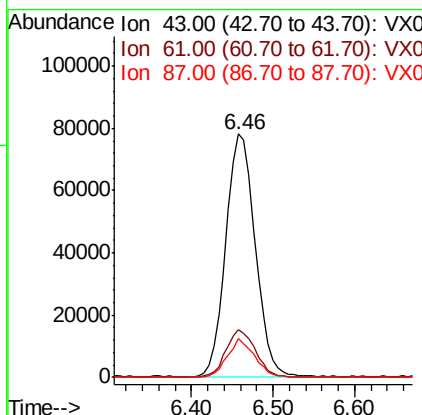
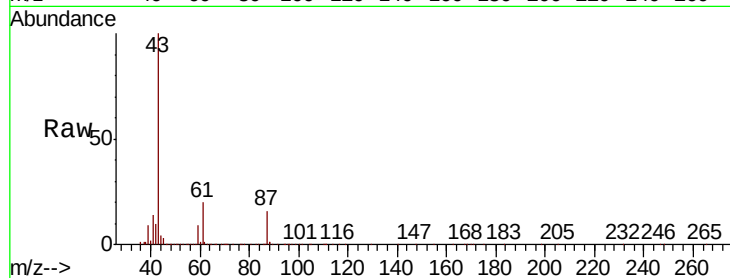
Isopropyl Acetate
 Concen: 20.583 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.1	24.1
87	14.7	11.5	17.3

Manual Integrations
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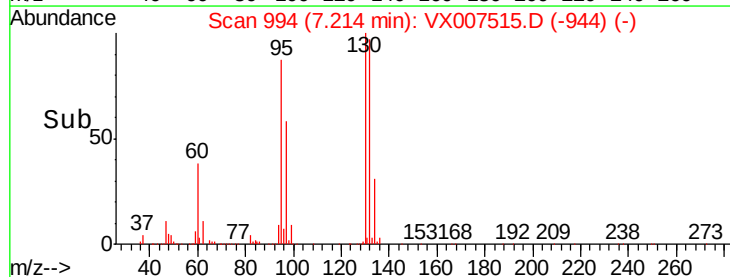
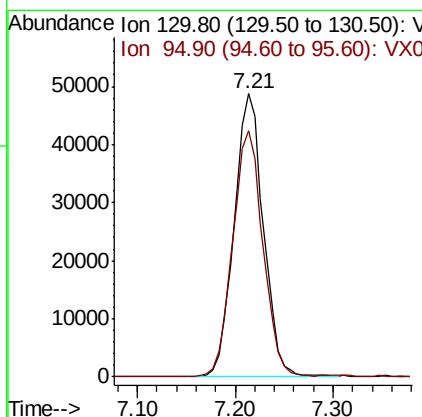
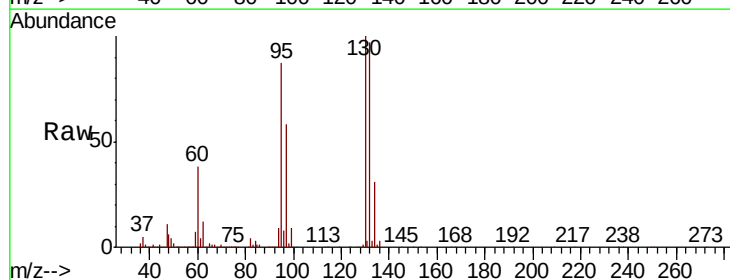
MMDadoda
 2/14/2019 10:48:07 AM

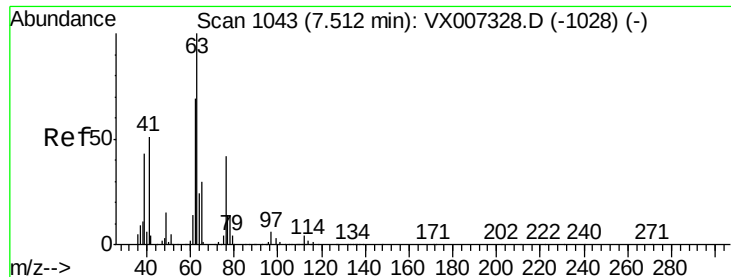


#44

Trichloroethene
 Concen: 18.888 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	180.0





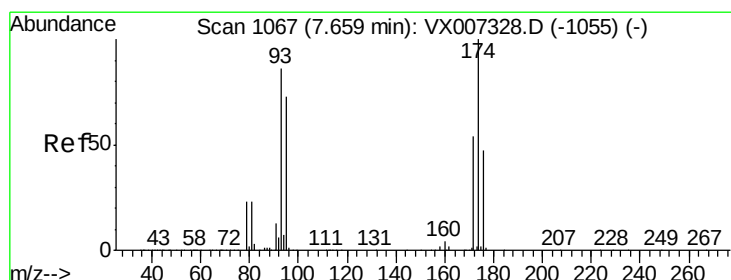
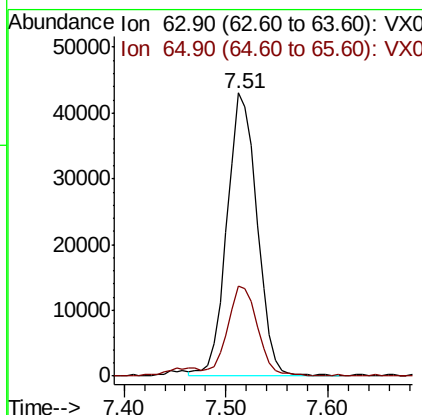
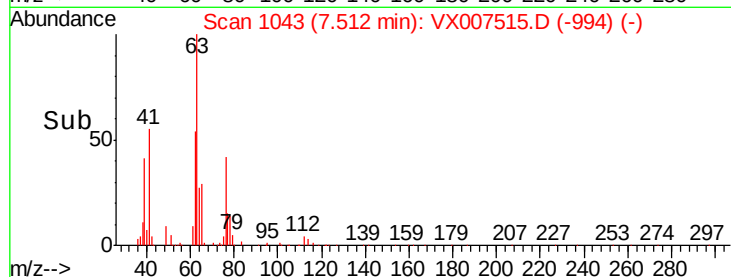
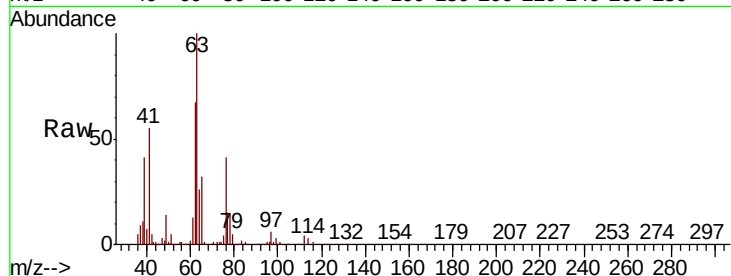
#45
 1,2-Dichloropropane
 Concen: 19.625 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.2

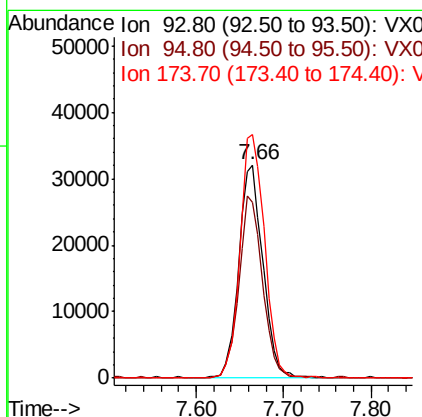
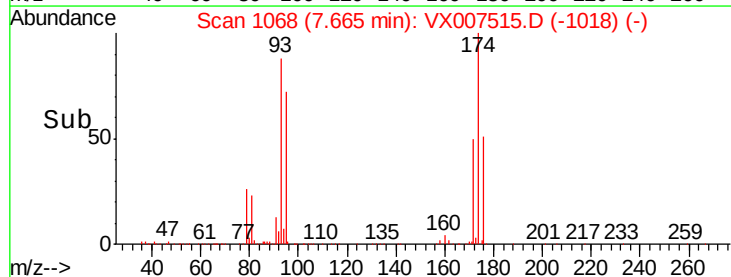
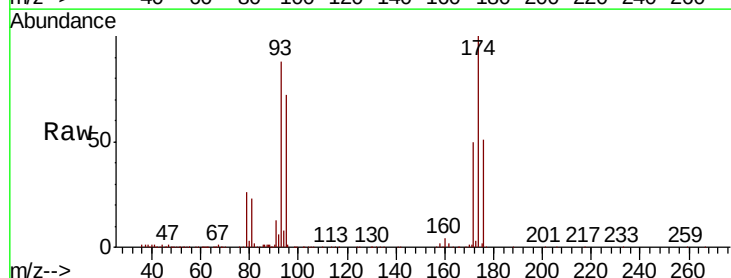
Manual Integrations
 APPROVED

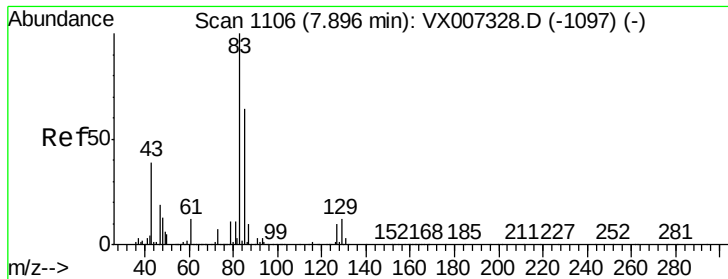
MMDadoda
 2/14/2019 10:48:07 AM



#46
 Dibromomethane
 Concen: 19.057 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.6	101.4
174	115.9	94.2	141.4





#47

Bromodichloromethane

Concen: 20.021 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

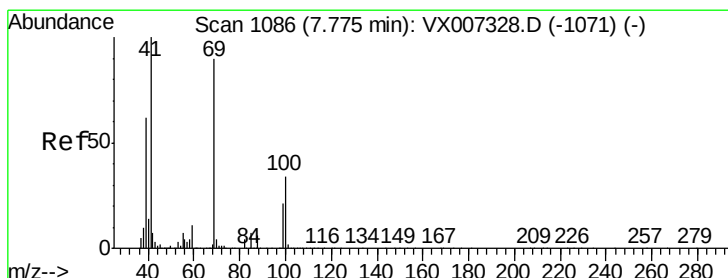
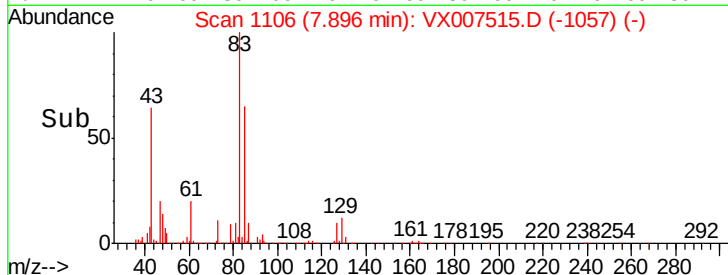
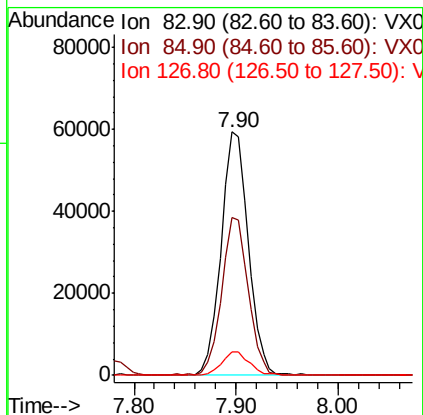
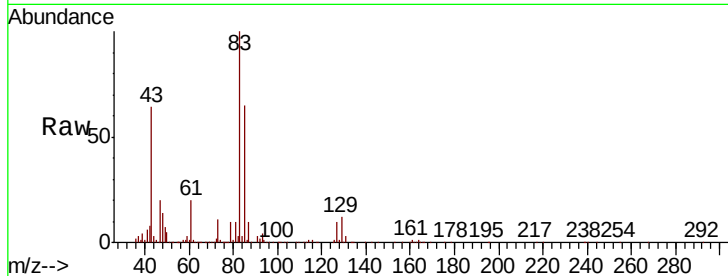
ClientSampleId :

VX0214WBS01

Tot Ion:	83	Resp:	110037
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.4	77.0
127	9.6	8.1	12.1

Manual Integrations
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2/14/2019 10:48:07 AM



#48

Methyl methacrylate

Concen: 20.950 ug/l

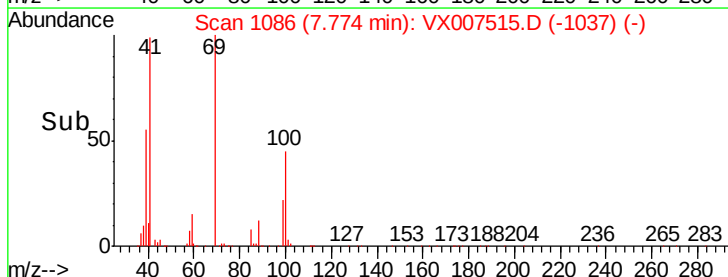
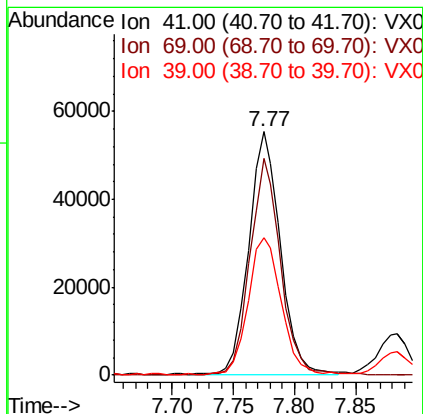
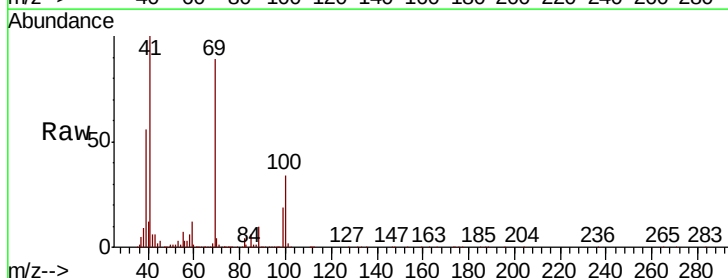
RT: 7.77 min Scan# 1086

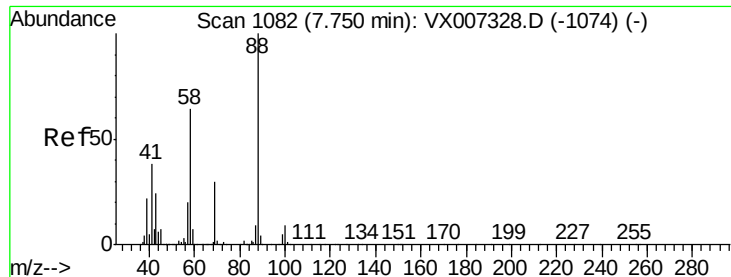
Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion:	41	Resp:	98849
Ion Ratio	Lower	Upper	
41	100		
69	86.6	70.2	105.4
39	59.7	47.4	71.0





#49

1,4-Dioxane

Concen: 448.337 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

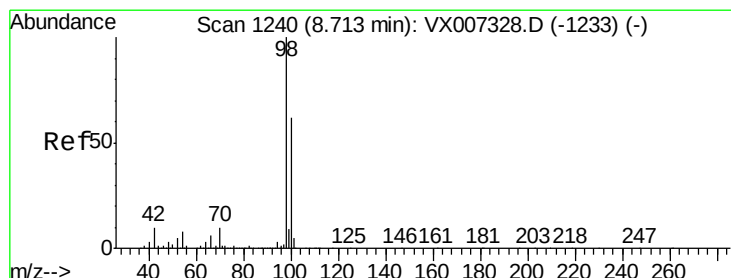
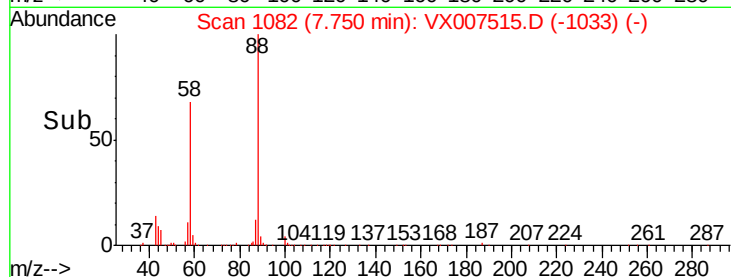
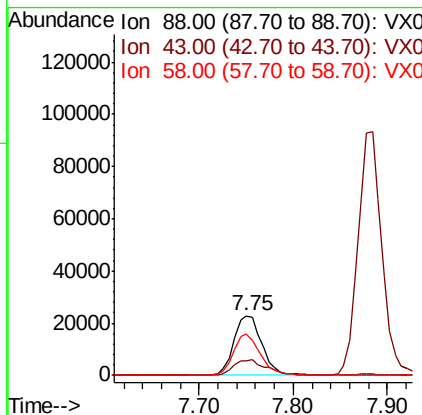
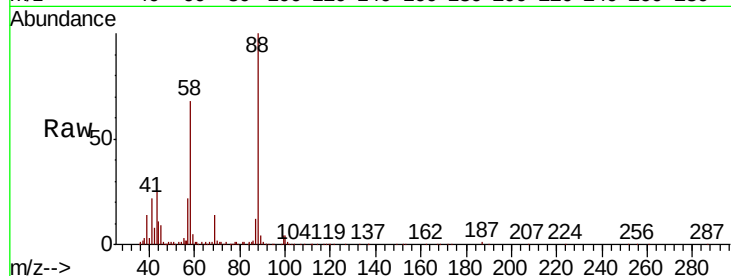
ClientSampleId :

VX0214WBS01

Tot Ion:	88	Resp:	47698
Ion	Ratio	Lower	Upper
88	100		
43	28.8	24.2	36.4
58	65.8	53.0	79.4

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#50

Toluene-d8

Concen: 49.386 ug/l

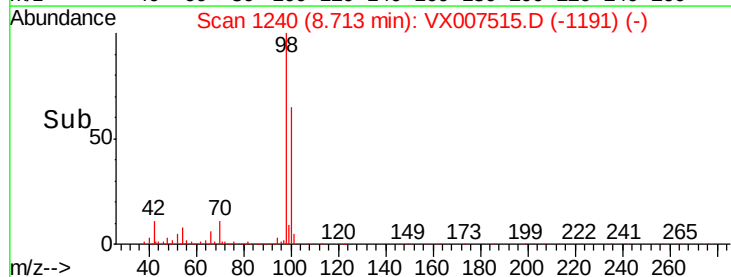
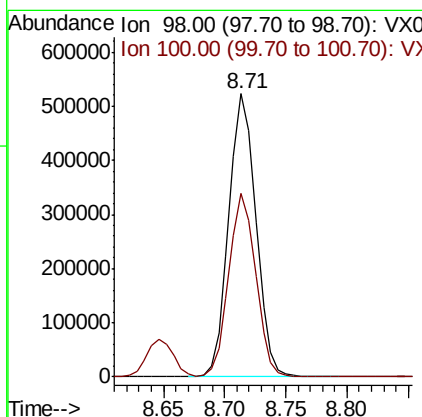
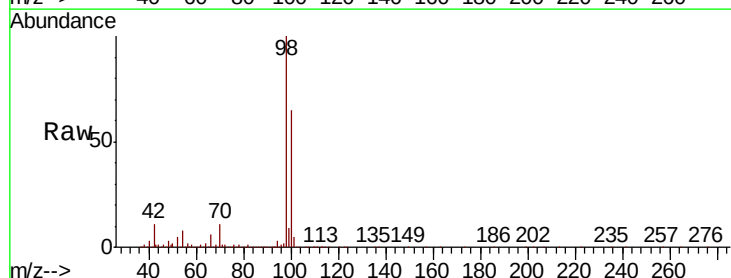
RT: 8.71 min Scan# 1240

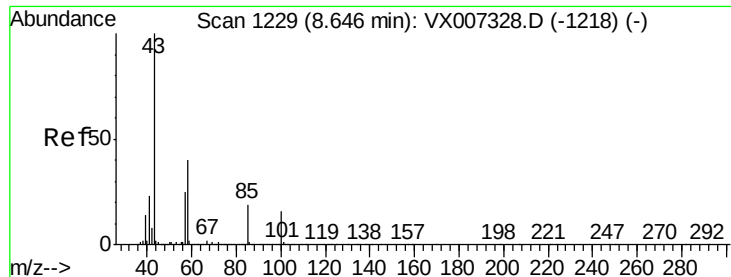
Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion:	98	Resp:	803319
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 106.761 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 43 Resp: 662957

Ion Ratio Lower Upper

43 100

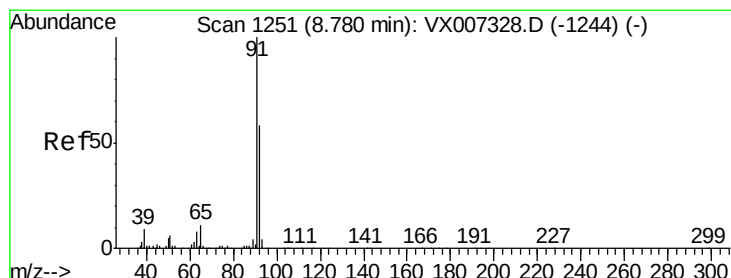
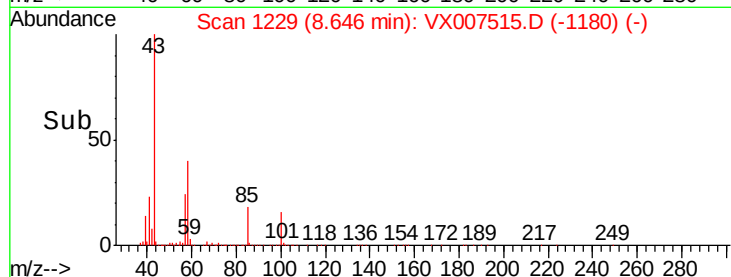
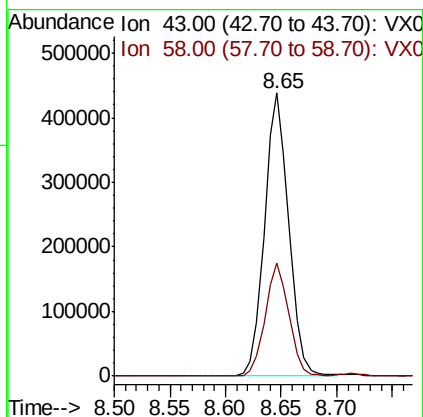
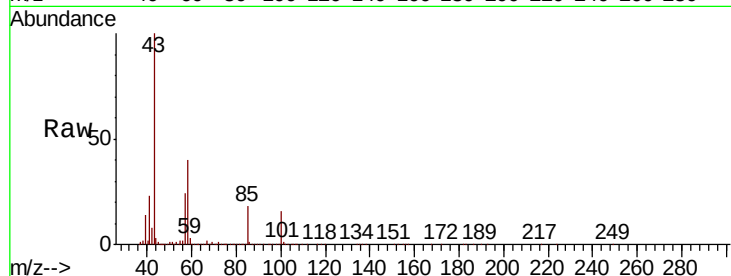
58 39.1 31.2 46.8

Manual Integrations

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#52

Toluene

Concen: 19.201 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007515.D

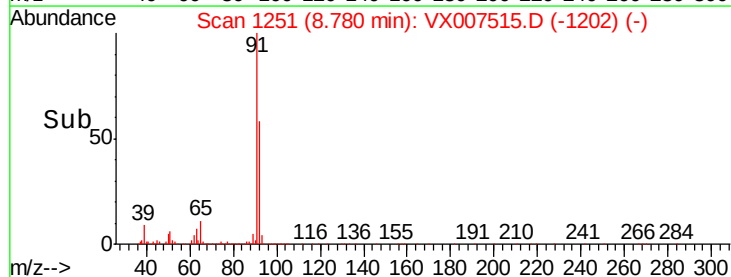
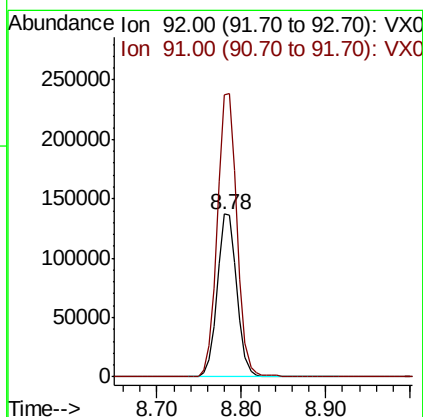
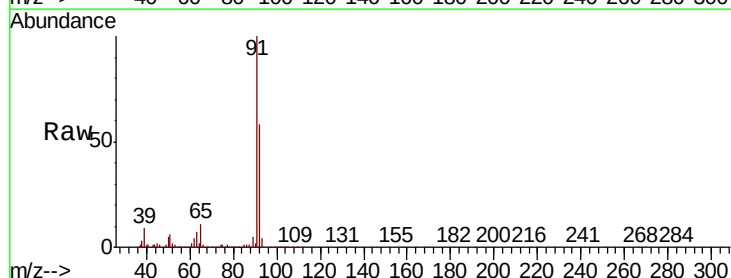
Acq: 13 Feb 2019 12:31

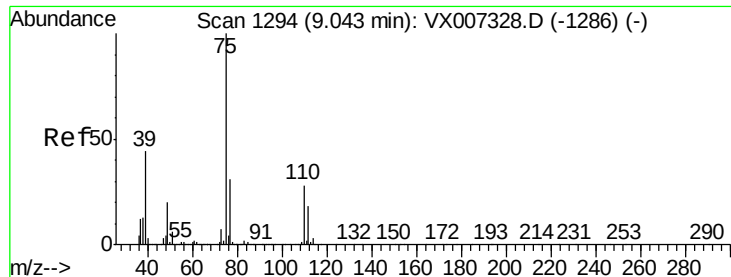
Tgt Ion: 92 Resp: 220611

Ion Ratio Lower Upper

92 100

91 173.8 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 19.232 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 75 Resp: 113536

Ion Ratio Lower Upper

75 100

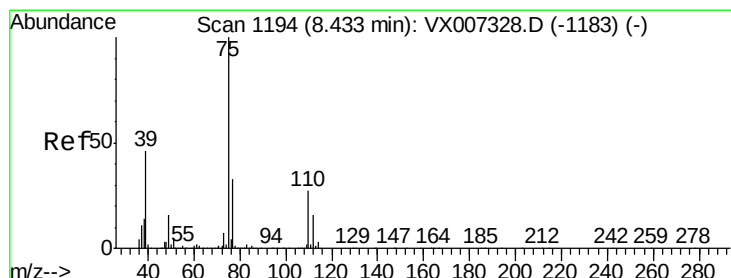
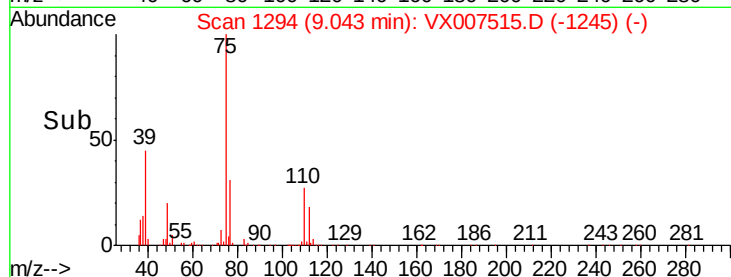
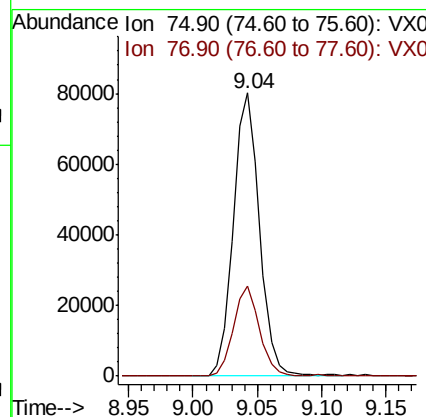
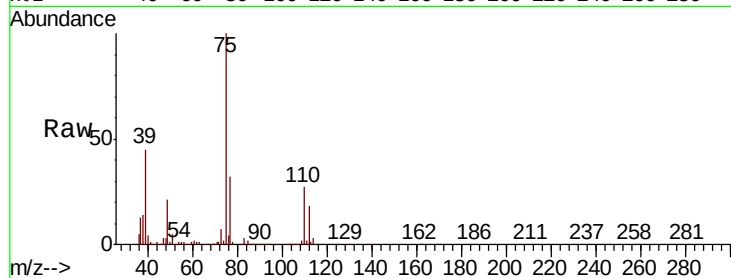
77 31.5 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.035 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

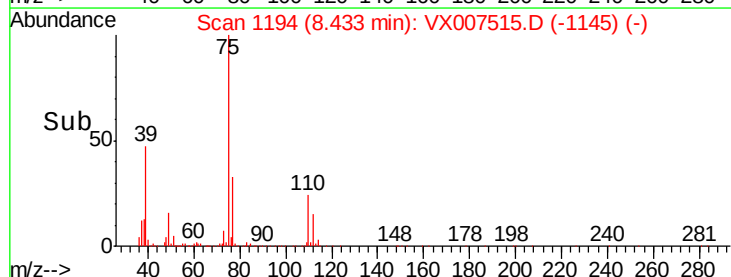
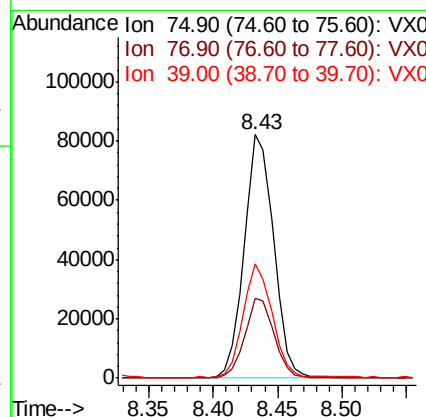
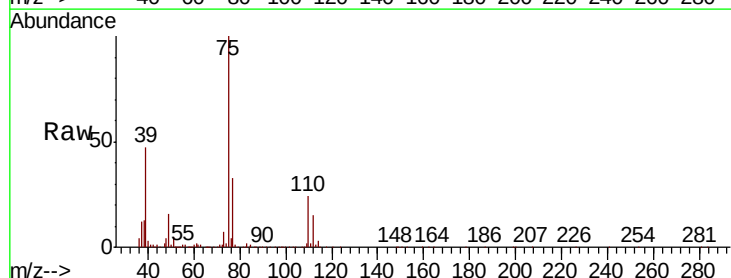
Tgt Ion: 75 Resp: 130071

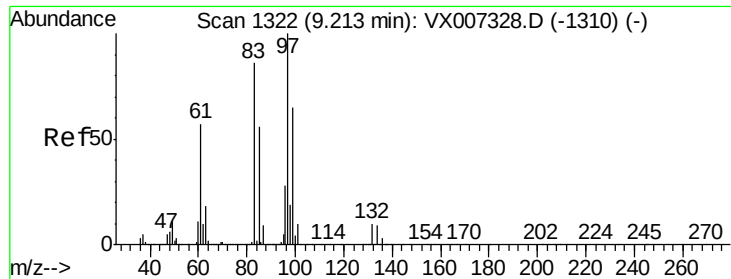
Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.4

39 46.9 37.1 55.7





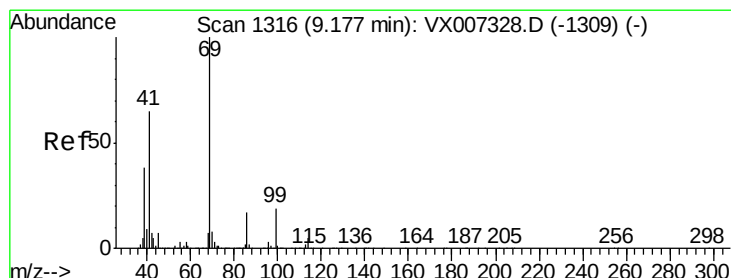
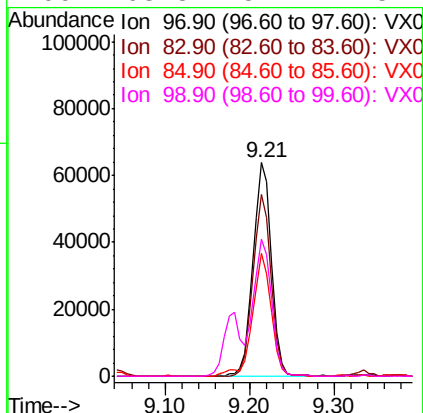
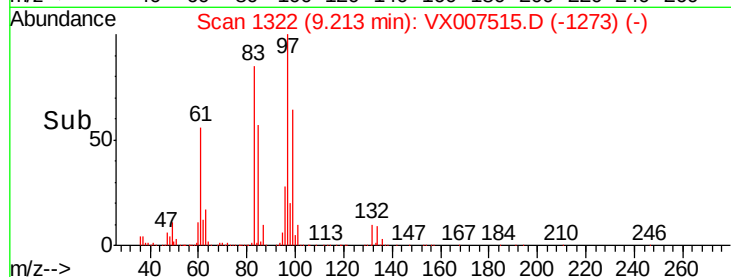
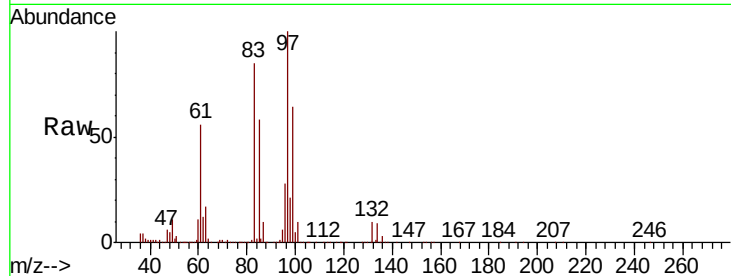
#55
 1,1,2-Trichloroethane
 Concen: 19.724 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		94465		
83	85.4	68.6	102.8		
85	57.4	44.5	66.7		
99	63.8	52.2	78.4		

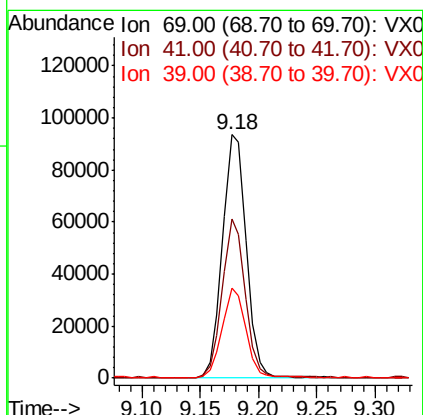
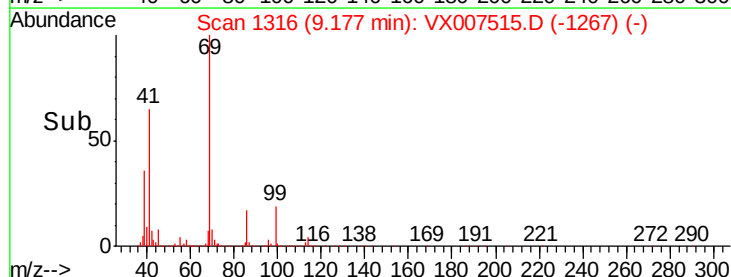
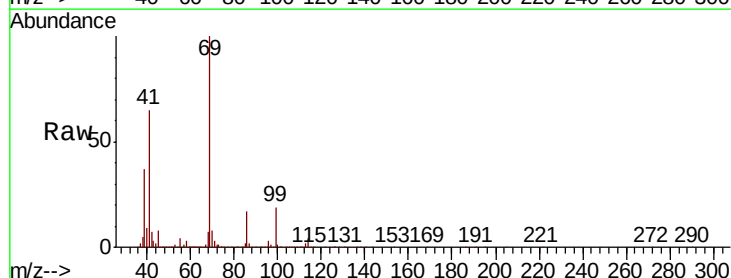
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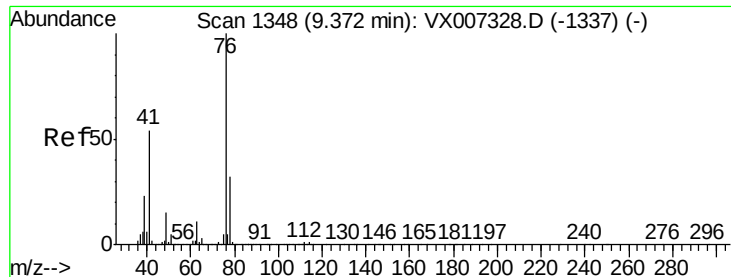
MMDadoda
 2/14/2019 10:48:07 AM



#56
 Ethyl methacrylate
 Concen: 20.076 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		133171		
41	62.0	52.1	78.1		
39	36.7	30.1	45.1		





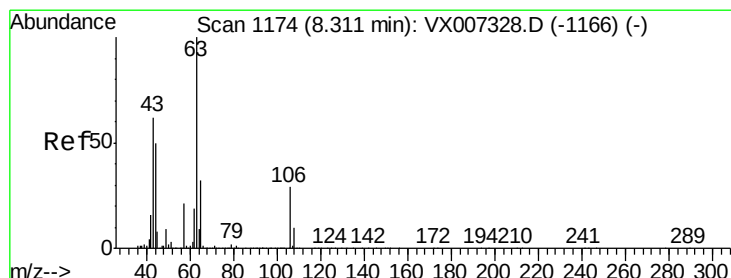
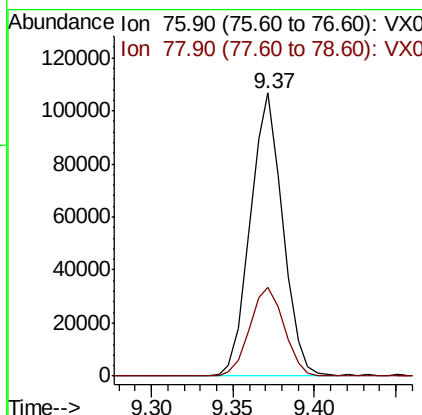
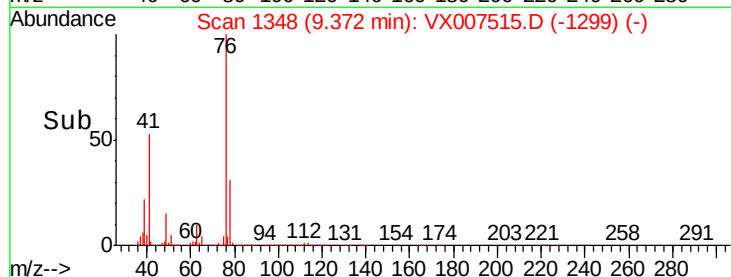
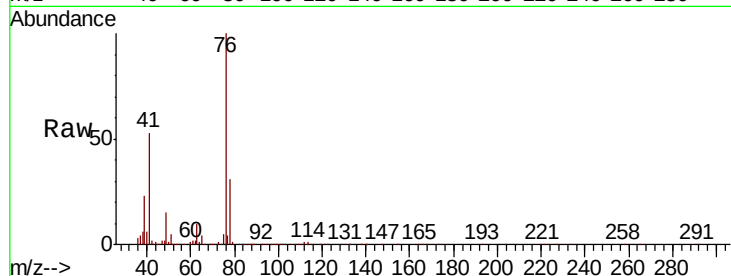
#57
 1,3-Dichloropropane
 Concen: 19.463 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.8	38.8

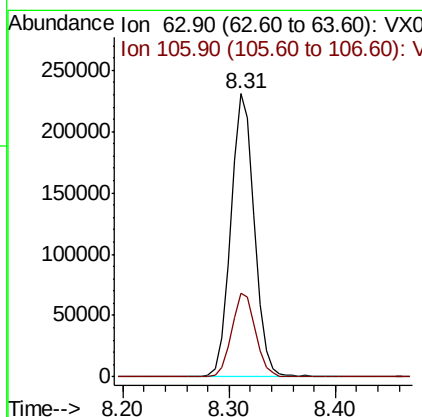
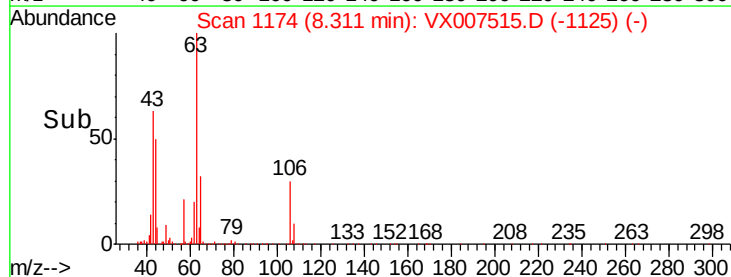
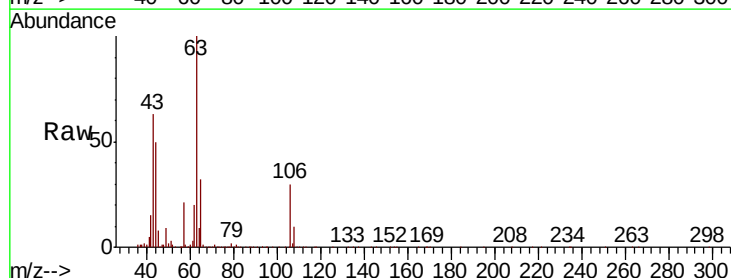
Manual Integrations
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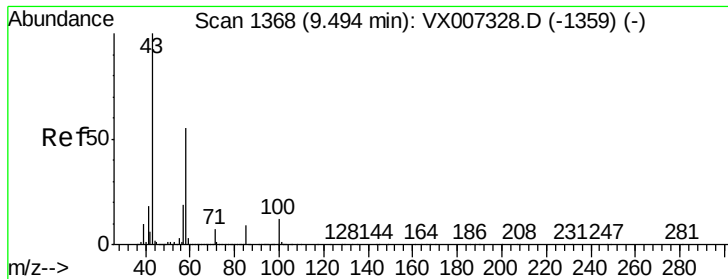
MMDadoda
 2/14/2019 10:48:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.106 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.6	35.4





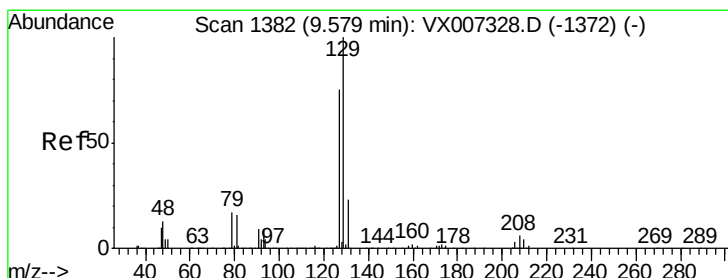
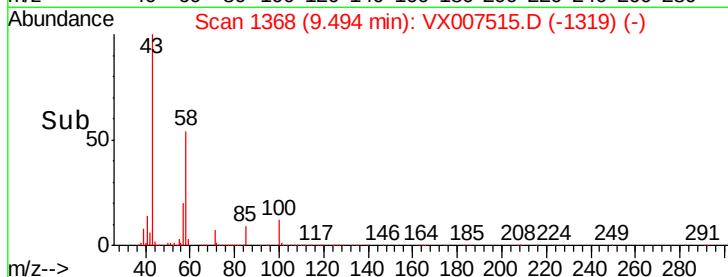
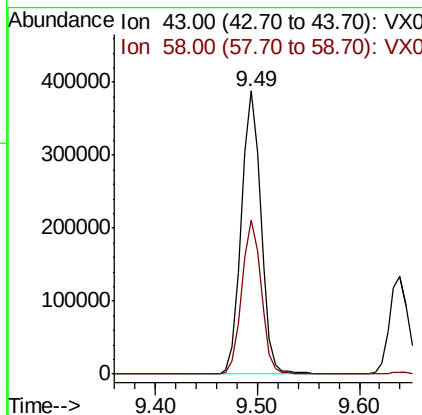
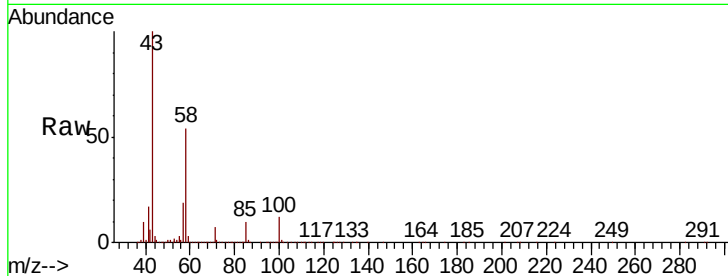
#59
2-Hexanone
Concen: 106.126 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion: 43 Resp: 512822
Ion Ratio Lower Upper
43 100
58 54.1 27.1 81.3

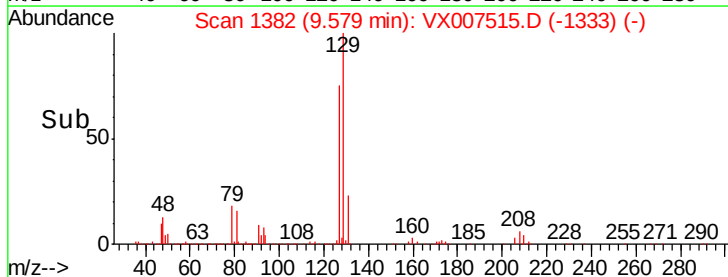
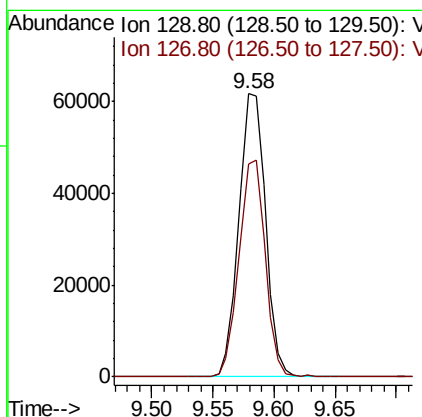
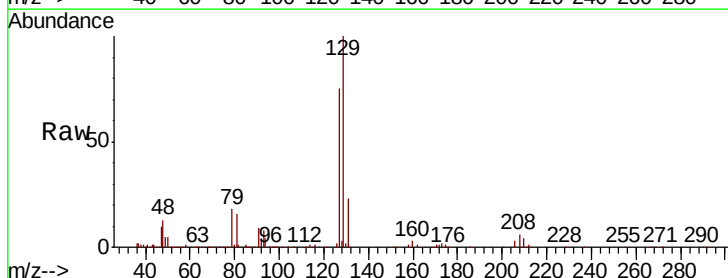
Manual Integrations
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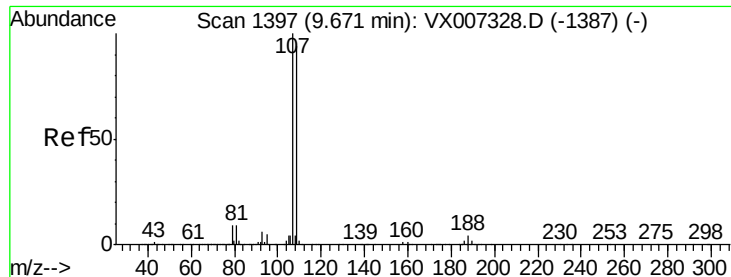
MMDadoda
2/14/2019 10:48:07 AM



#60
Dibromochloromethane
Concen: 20.643 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion: 129 Resp: 93506
Ion Ratio Lower Upper
129 100
127 75.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 20.047 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 107 Resp: 101678

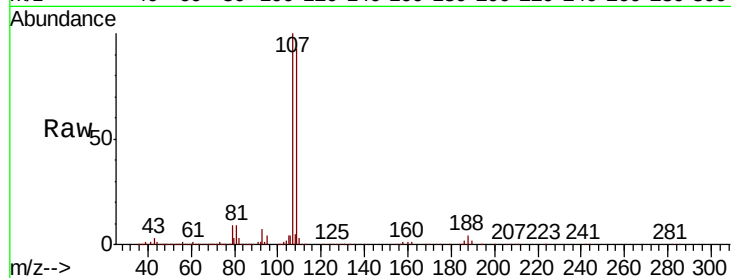
Ion Ratio Lower Upper

107 100

109 93.4 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

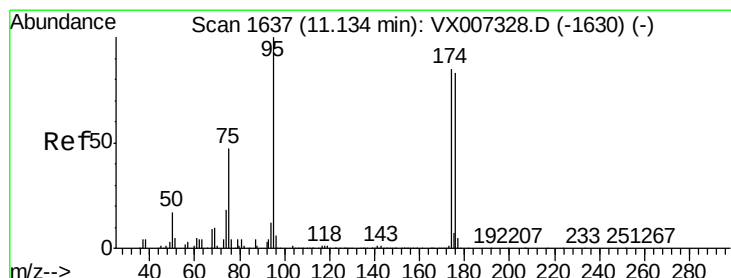
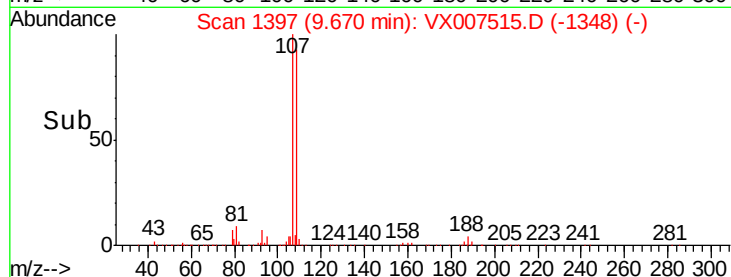
60000

40000

20000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.145 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

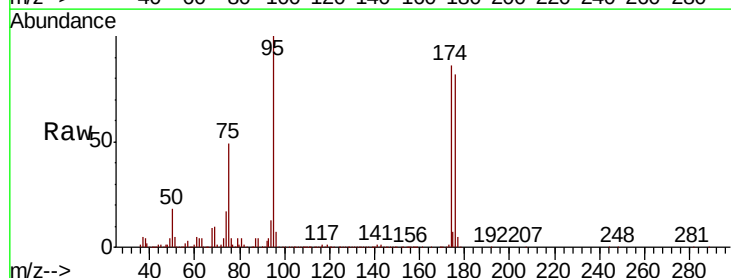
Tgt Ion: 95 Resp: 279979

Ion Ratio Lower Upper

95 100

174 94.4 0.0 189.2

176 90.8 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

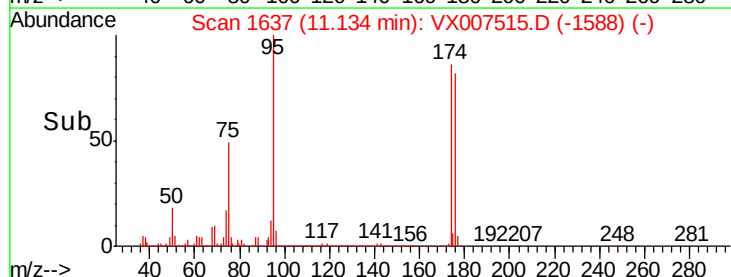
150000

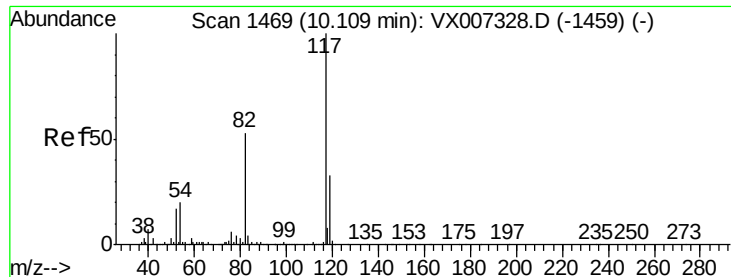
100000

50000

0

Time--> 11.05 11.10 11.15 11.20





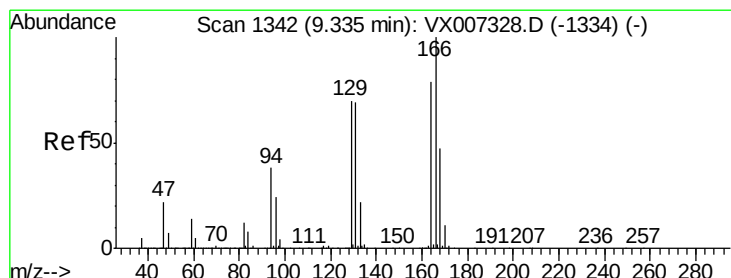
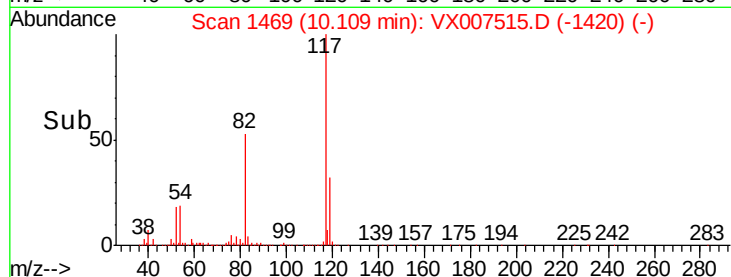
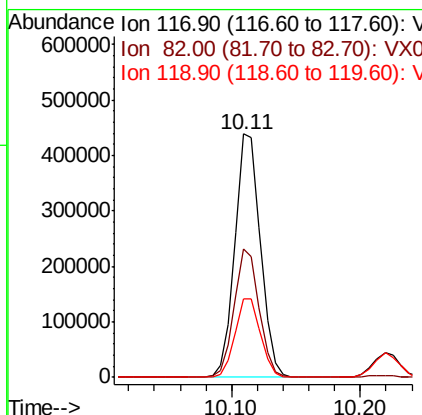
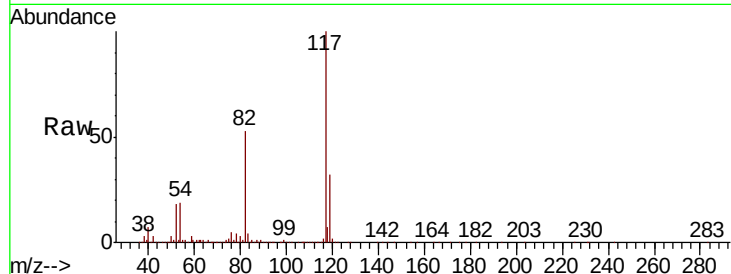
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.1	63.1
119	32.1	26.5	39.7

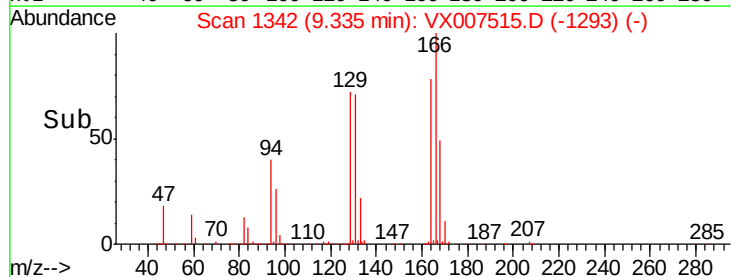
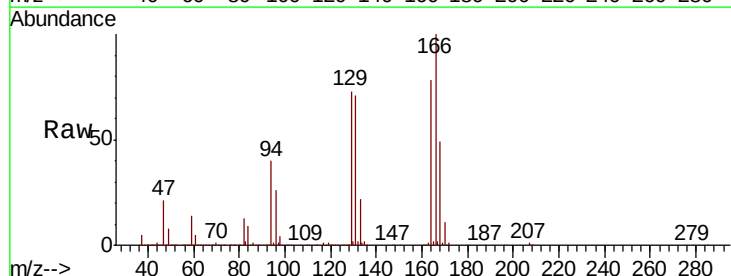
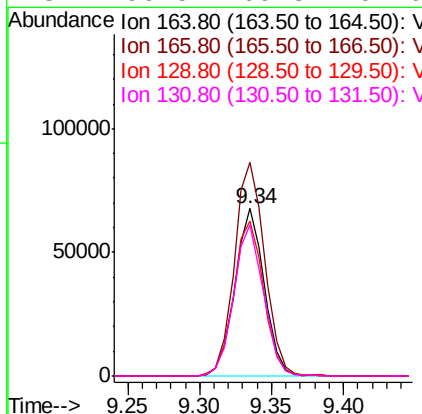
Manual Integrations
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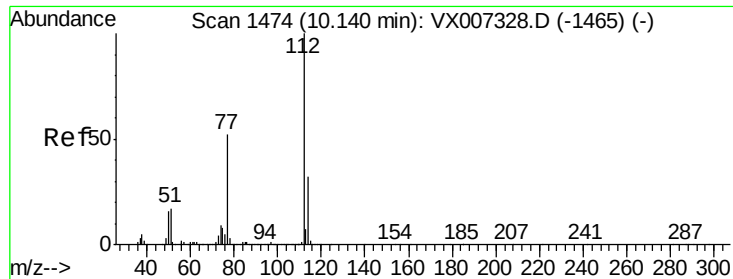
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#64
Tetrachloroethene
Concen: 16.764 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.0	151.4
129	92.5	70.5	105.7
131	90.5	69.8	104.6





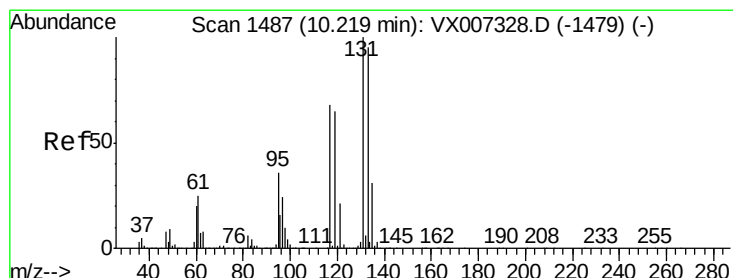
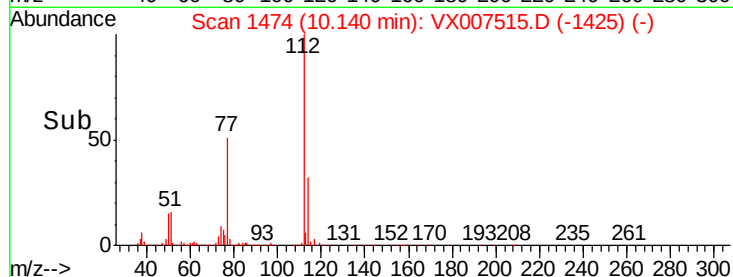
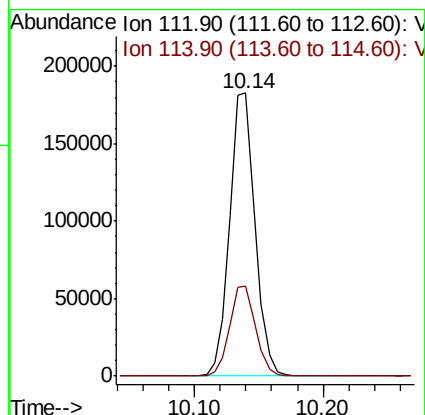
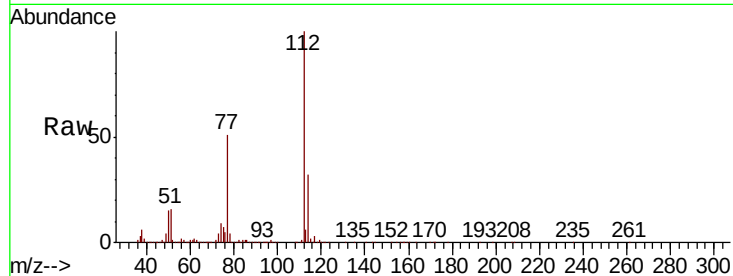
#65
Chlorobenzene
Concen: 19.108 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion:112 Resp: 254558
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

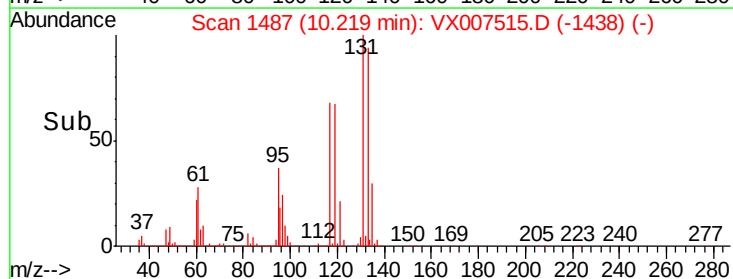
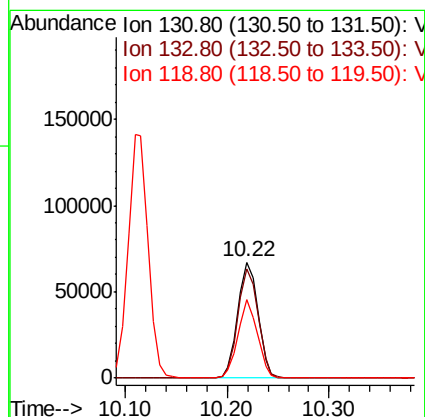
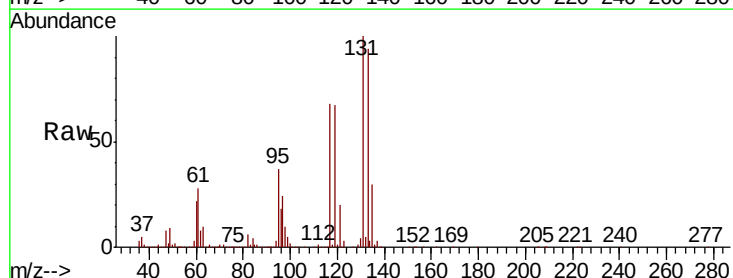
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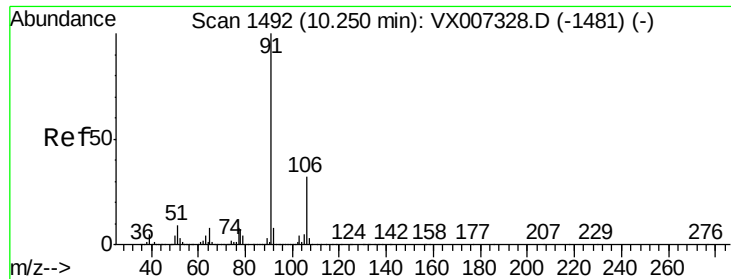
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.638 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion:131 Resp: 92180
Ion Ratio Lower Upper
131 100
133 94.0 48.0 144.2
119 64.6 32.0 96.0





#67

Ethyl Benzene

Concen: 18.920 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 91 Resp: 405907

Ion Ratio Lower Upper

91 100

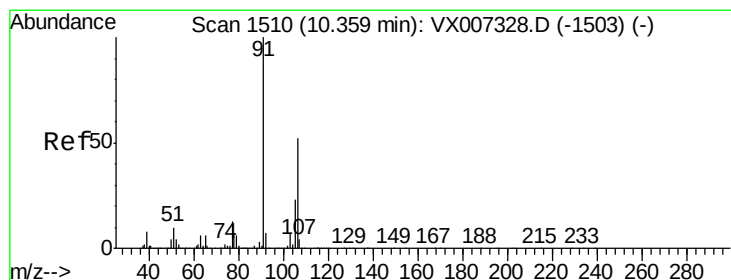
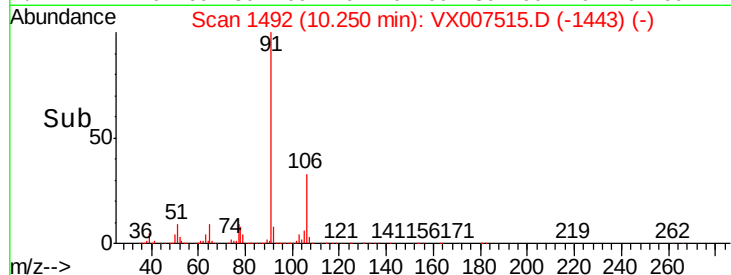
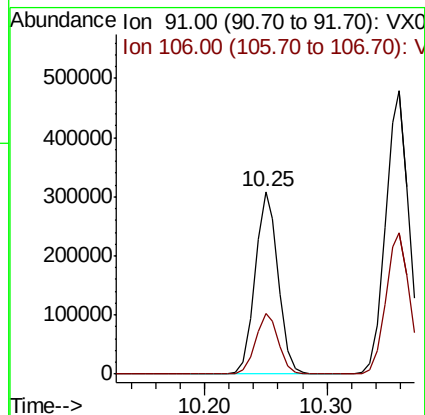
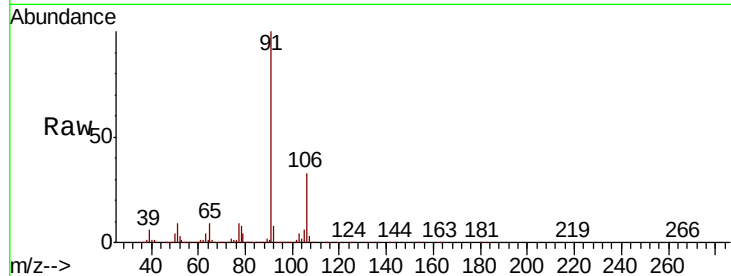
106 33.3 25.4 38.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.041 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007515.D

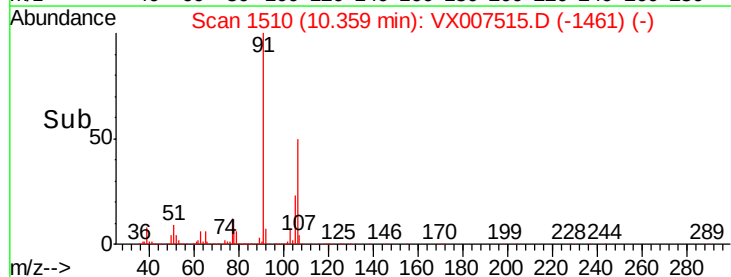
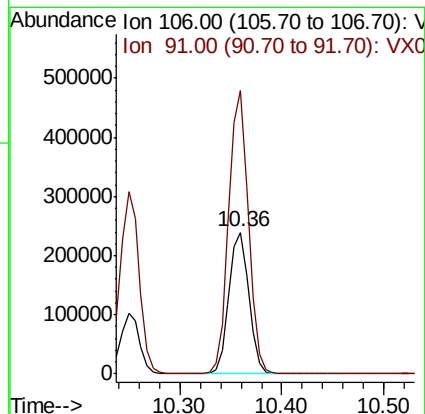
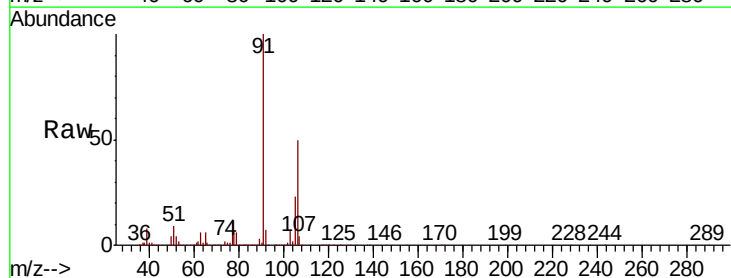
Acq: 13 Feb 2019 12:31

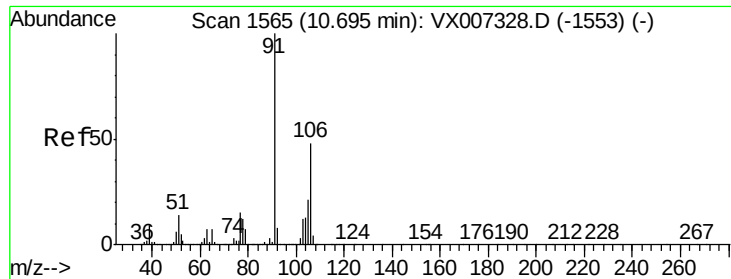
Tgt Ion: 106 Resp: 324411

Ion Ratio Lower Upper

106 100

91 196.7 156.6 234.8





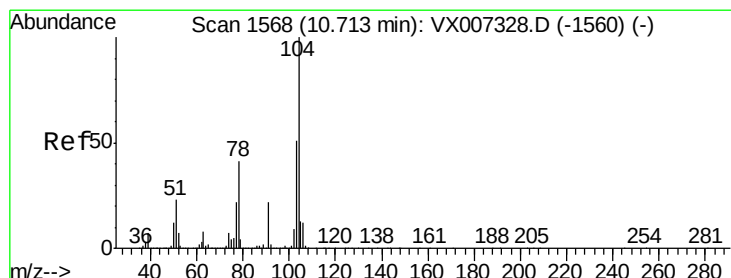
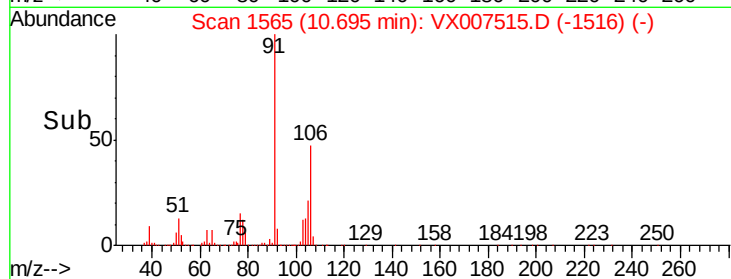
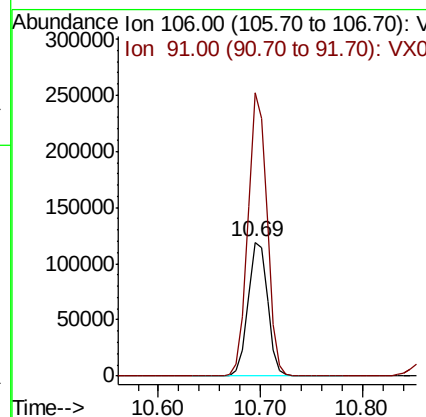
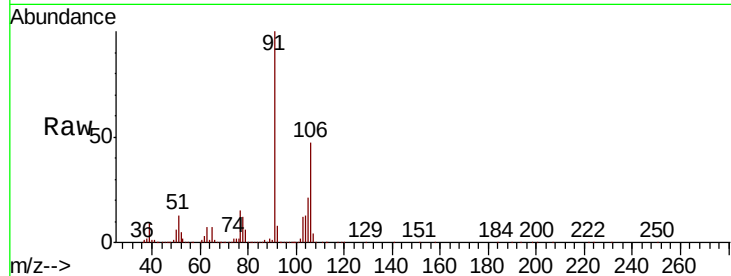
#69
o-Xylene
Concen: 19.322 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.5	102.9	308.7

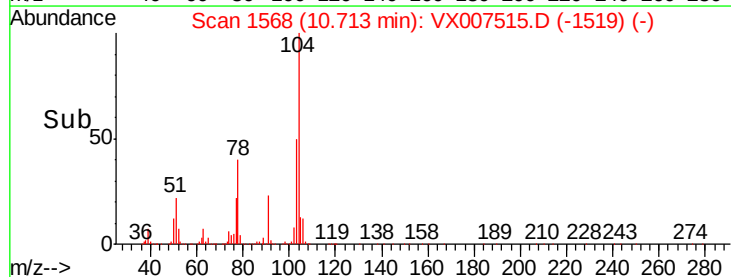
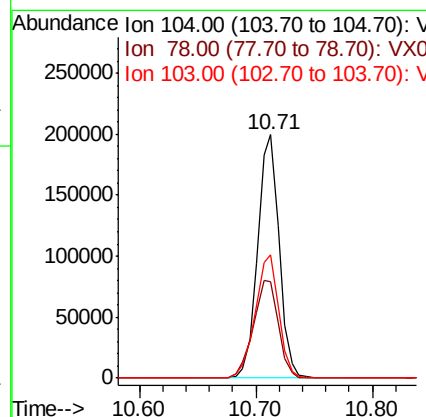
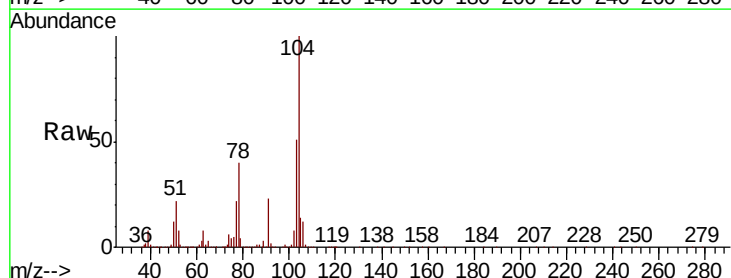
Manual Integrations
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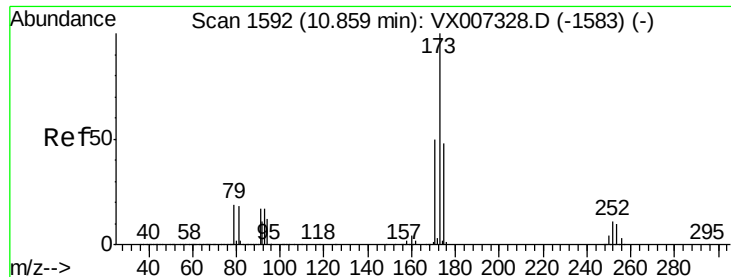
MMDadoda
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#70
Styrene
Concen: 19.412 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	38.3	57.5
103	55.2	44.6	67.0





#71

Bromoform

Concen: 20.250 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

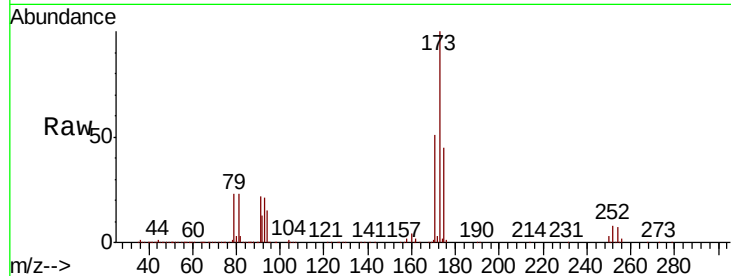
ClientSampleId :

VX0214WBS01

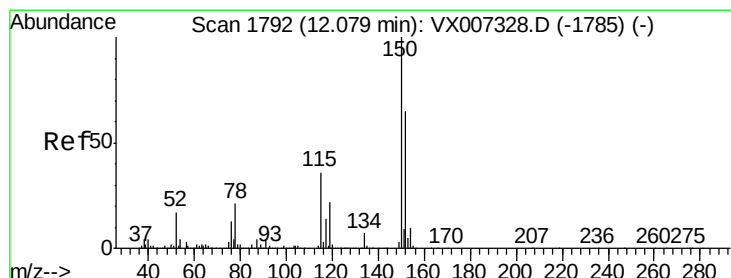
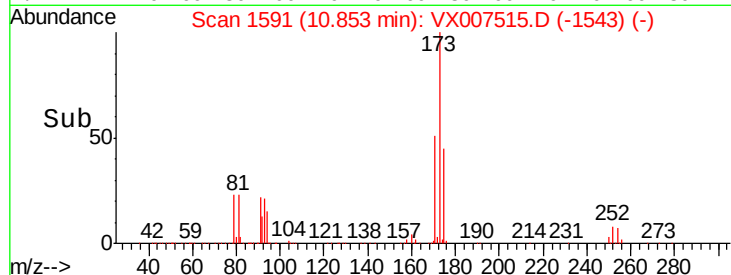
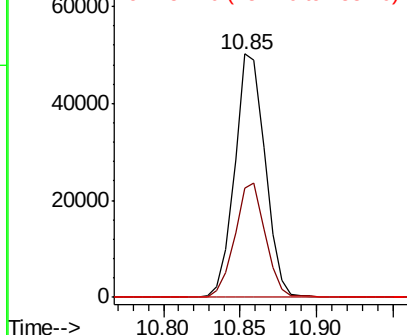
Tot Ion:	173	Resp:	69112
Ion Ratio	Lower	Upper	
173	100		
175	47.0	24.2	72.6
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

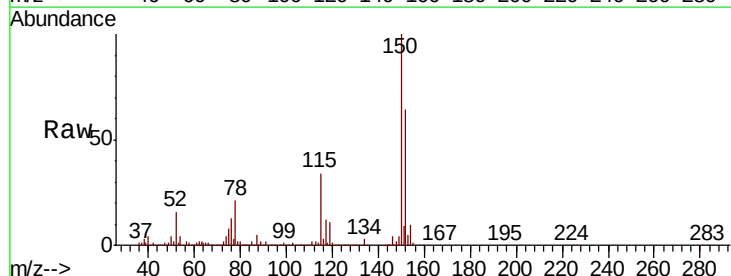
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

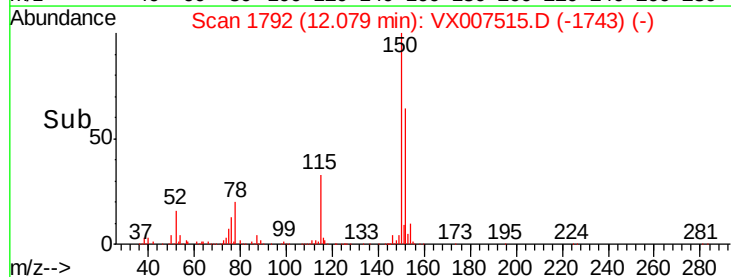
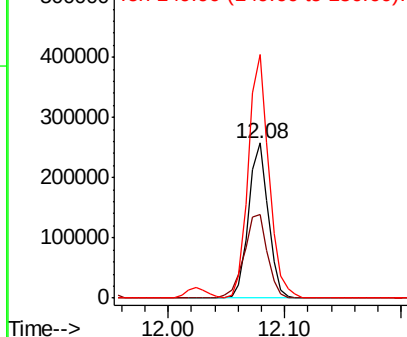
Lab File: VX007515.D

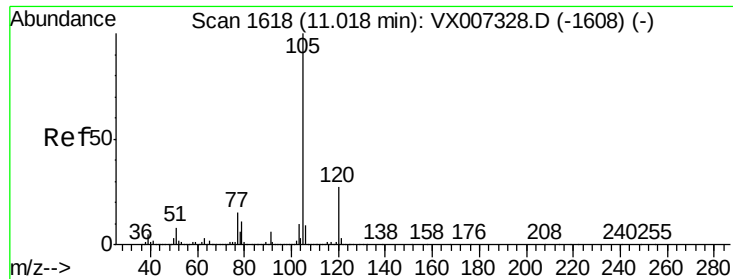
Acq: 13 Feb 2019 12:31

Tgt Ion:	152	Resp:	304607
Ion Ratio	Lower	Upper	
152	100		
115	63.9	38.0	114.0
150	164.3	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: 20.297 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion:105 Resp: 420144

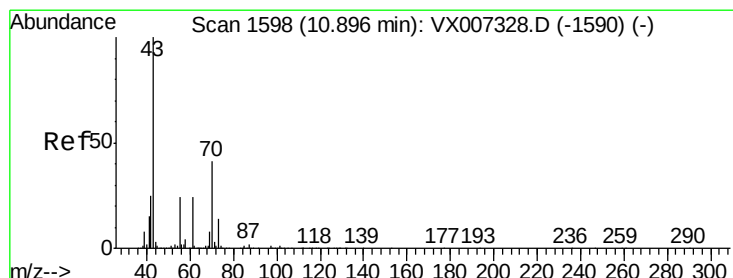
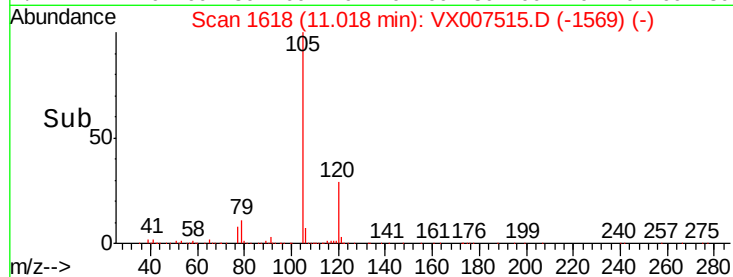
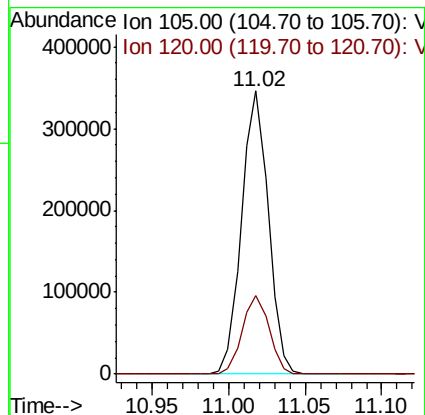
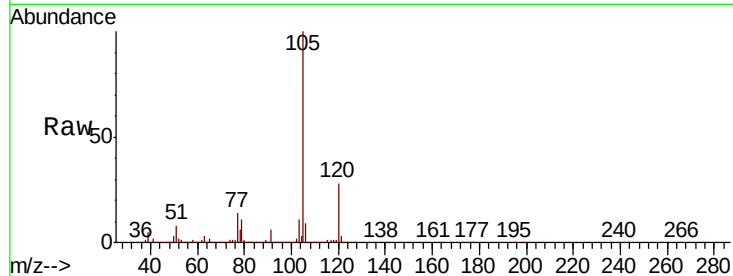
Ion Ratio Lower Upper

105 100

120 28.1 13.6 40.7

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#74

N-ethyl acetate

Concen: 20.939 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion: 43 Resp: 167649

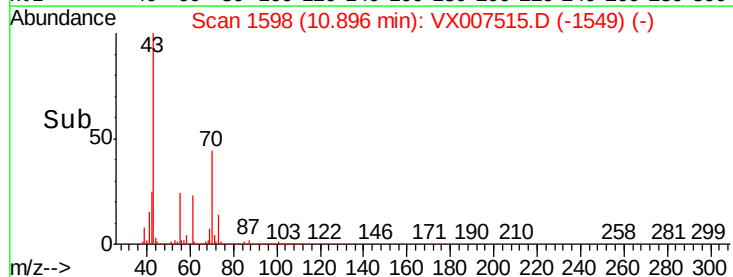
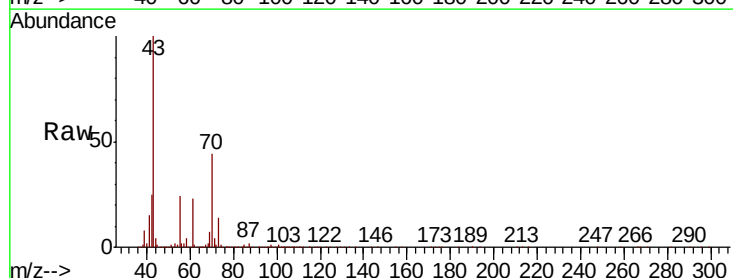
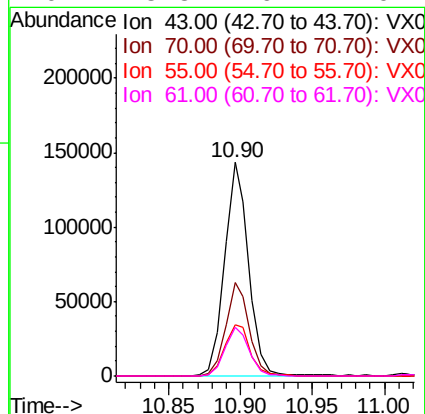
Ion Ratio Lower Upper

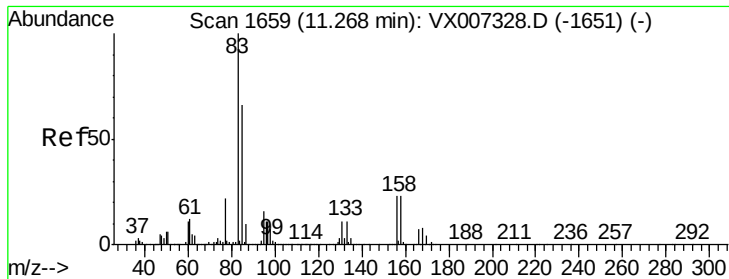
43 100

70 43.0 33.8 50.6

55 26.1 19.5 29.3

61 23.8 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.412 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tot Ion: 83 Resp: 141386

Ion Ratio Lower Upper

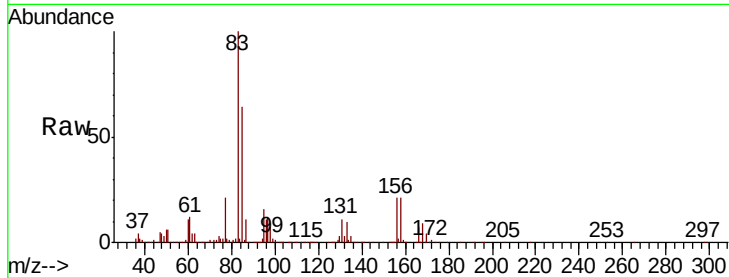
83 100

131 11.0 5.7 17.0

85 64.1 32.8 98.3

Manual Integrations
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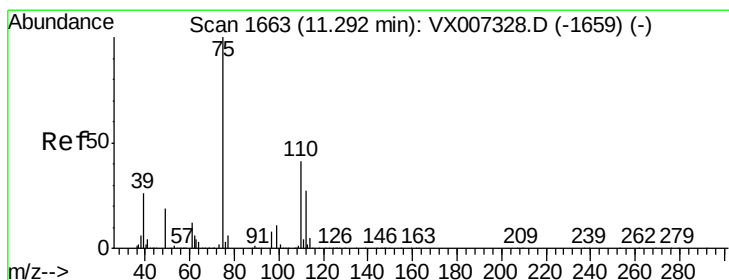
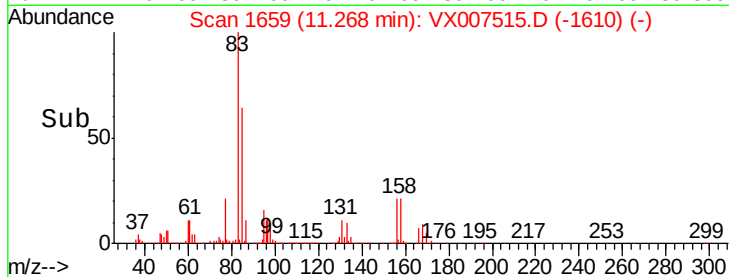
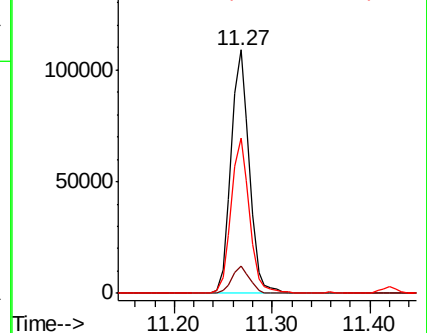
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.063 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX007515.D

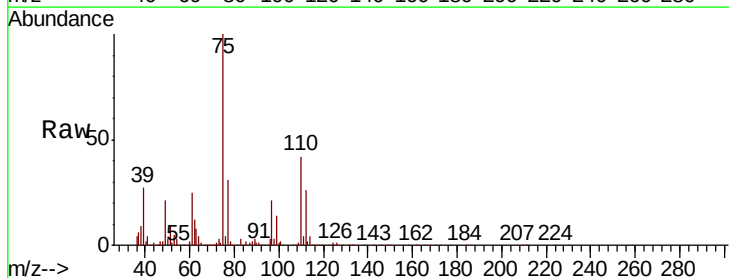
Acq: 13 Feb 2019 12:31

Tgt Ion: 75 Resp: 130724

Ion Ratio Lower Upper

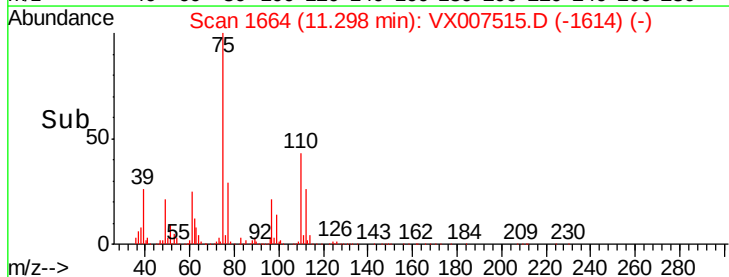
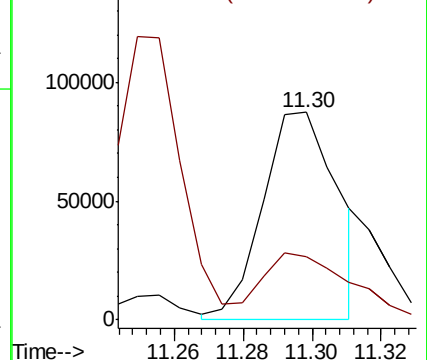
75 100

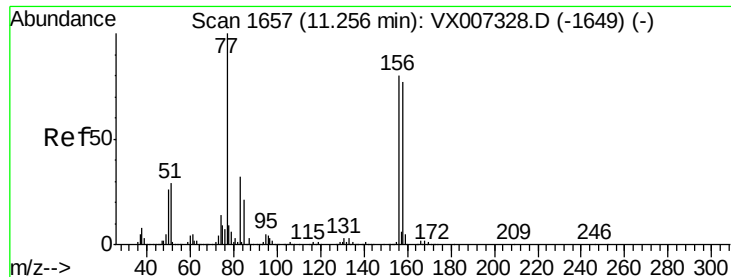
77 39.5 23.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.881 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

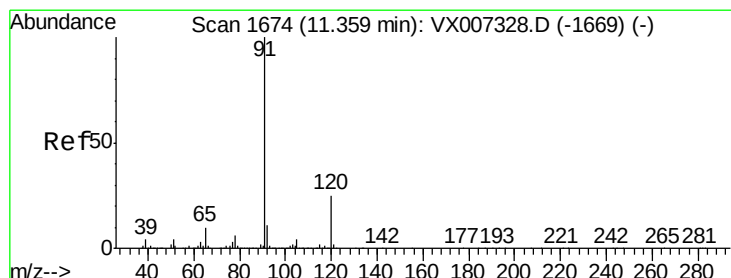
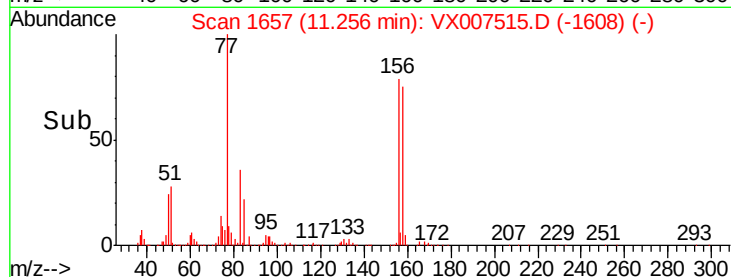
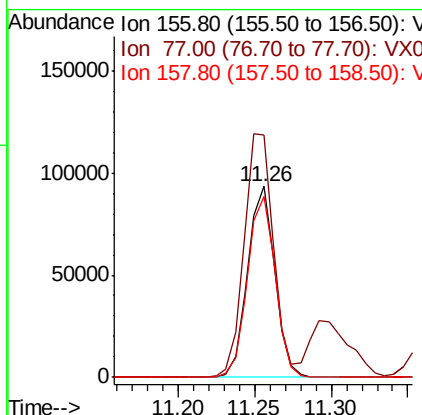
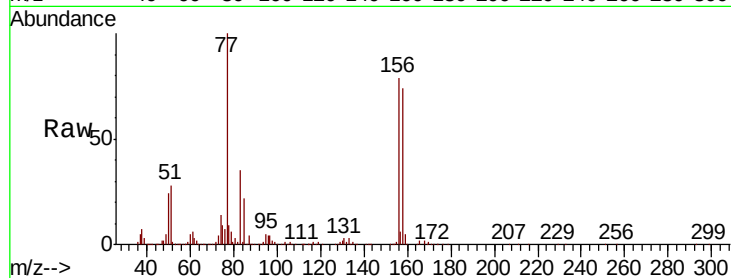
ClientSampleId :

VX0214WBS01

Tot Ion:	156	Resp:	115953
Ion Ratio	Lower	Upper	
156	100		
77	136.0	66.8	200.6
158	96.3	47.9	143.8

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#78

n-propylbenzene

Concen: 20.332 ug/l

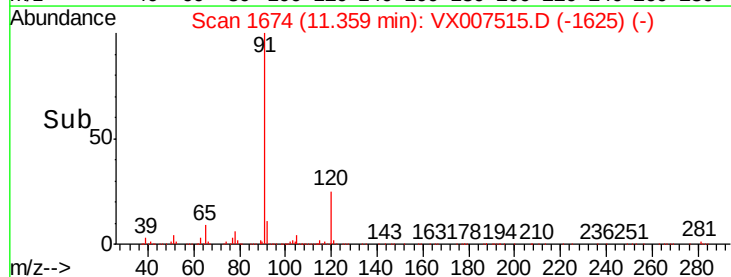
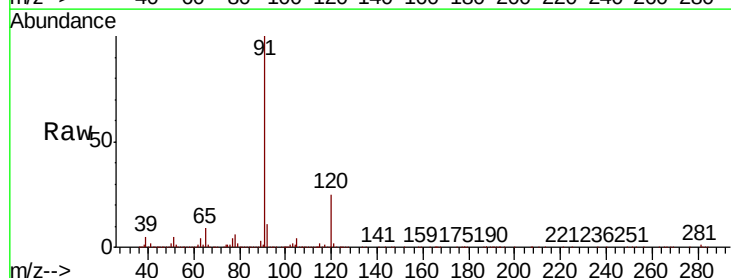
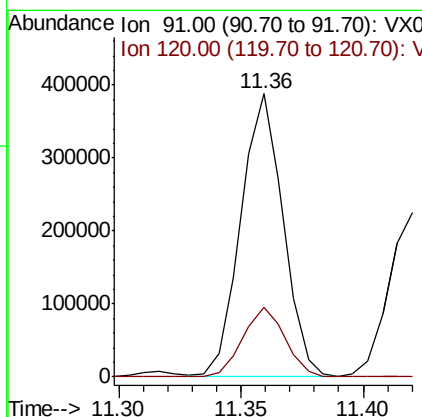
RT: 11.36 min Scan# 1674

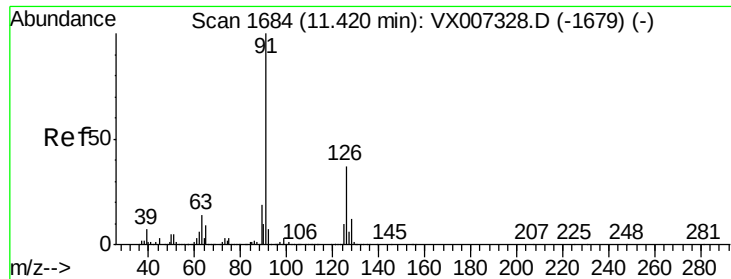
Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion:	91	Resp:	461515
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.4	37.2





#79

2-Chlorotoluene

Concen: 20.037 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

ClientSampled :

VX0214WBS01

Tot Ion: 91 Resp: 275973

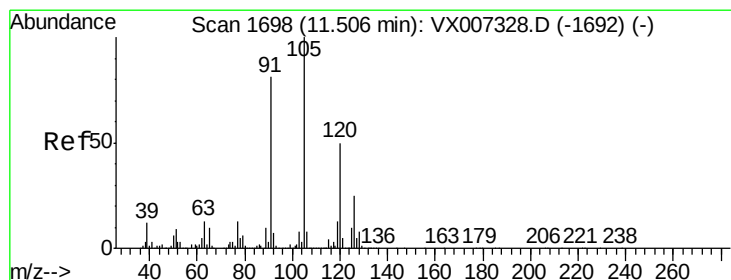
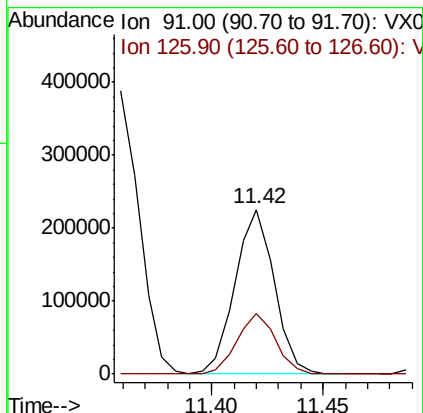
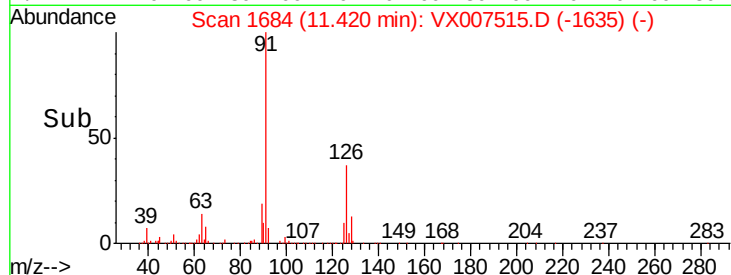
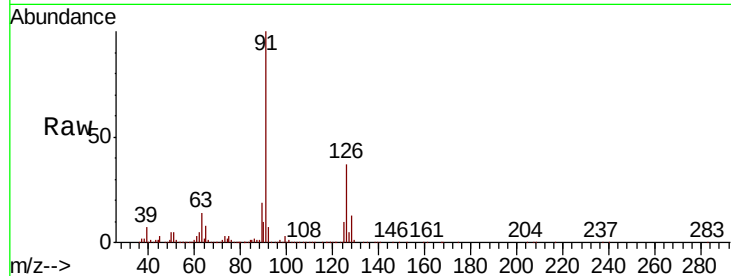
Ion Ratio Lower Upper

91 100

126 36.9 18.7 56.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.270 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007515.D

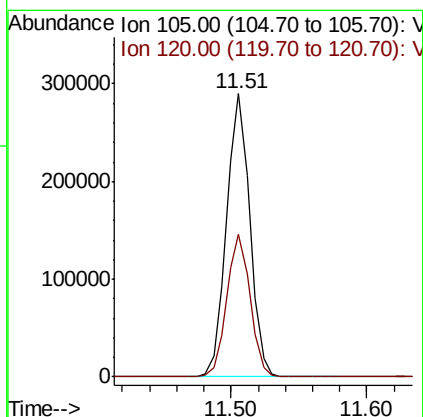
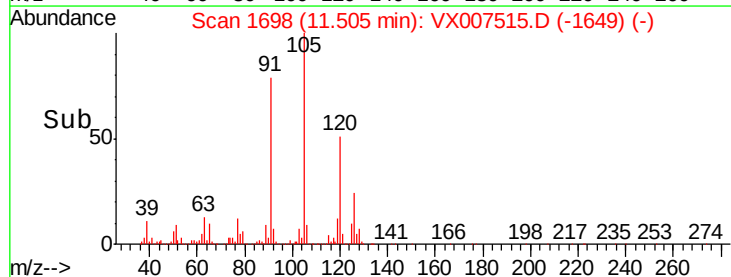
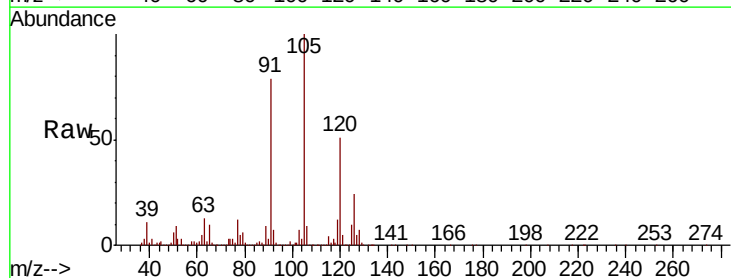
Acq: 13 Feb 2019 12:31

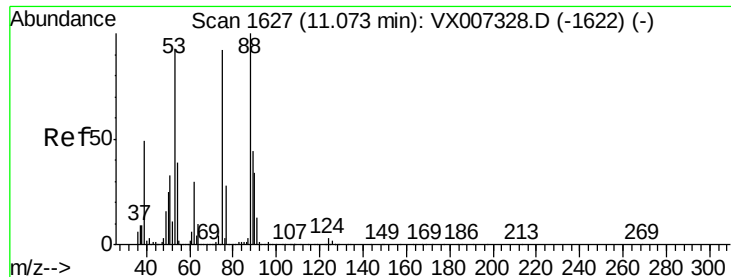
Tgt Ion: 105 Resp: 343263

Ion Ratio Lower Upper

105 100

120 50.2 25.3 75.8





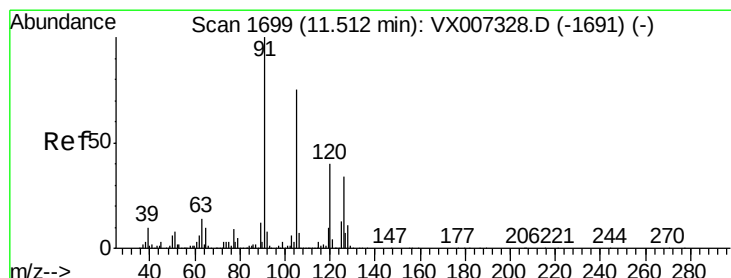
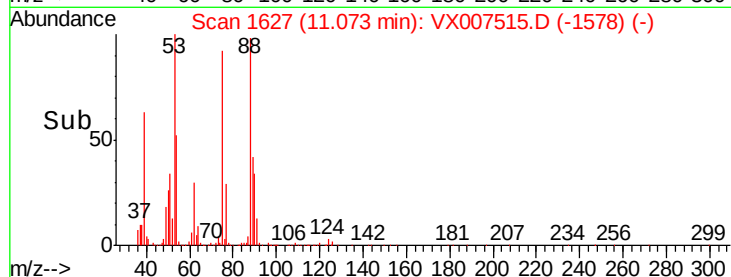
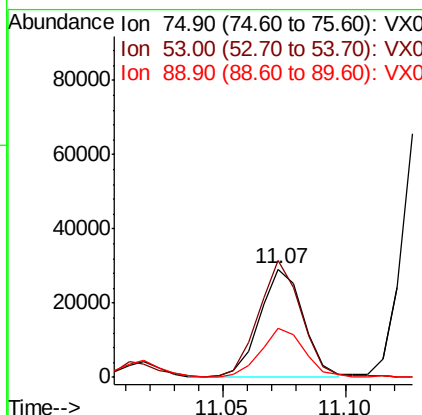
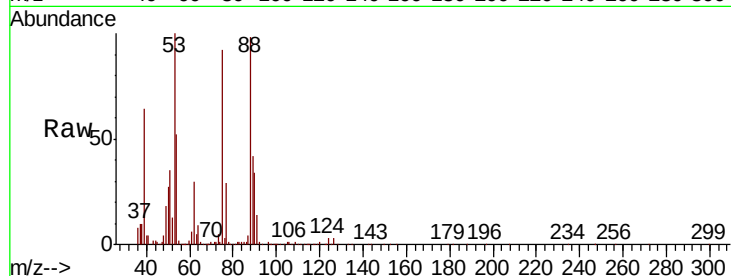
#81
trans-1,4-Dichloro-2-butene
Concen: 21.261 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.4	81.0	121.6
89	46.3	41.4	62.0

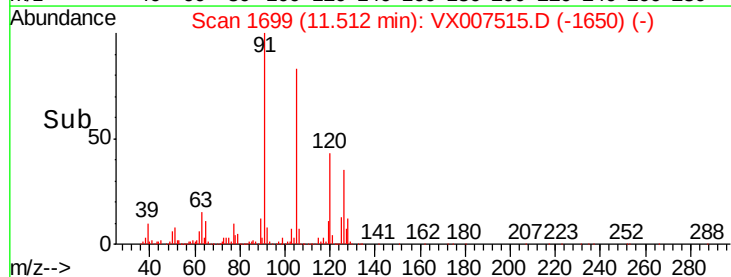
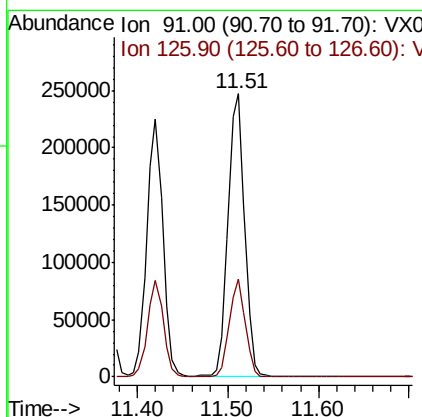
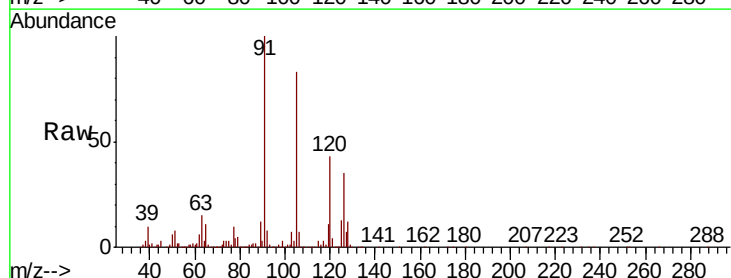
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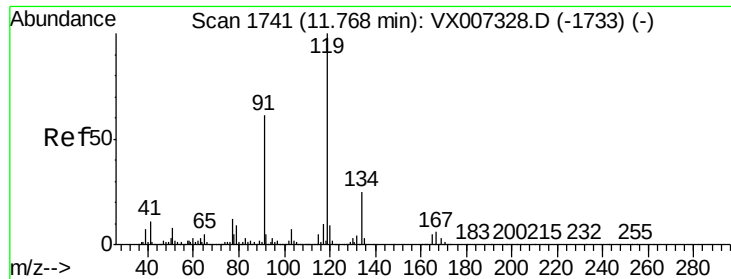
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.706 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.5





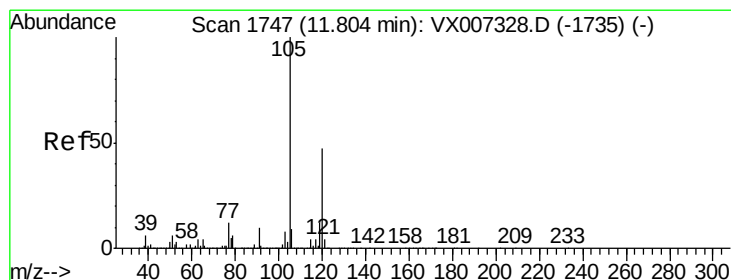
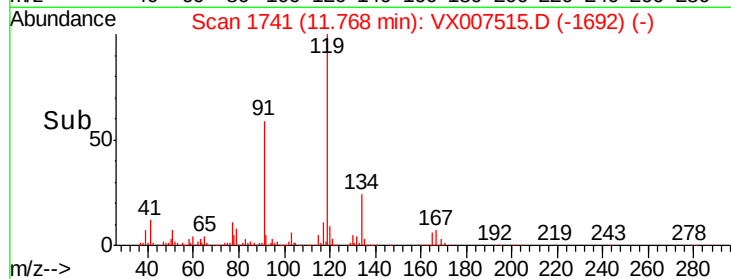
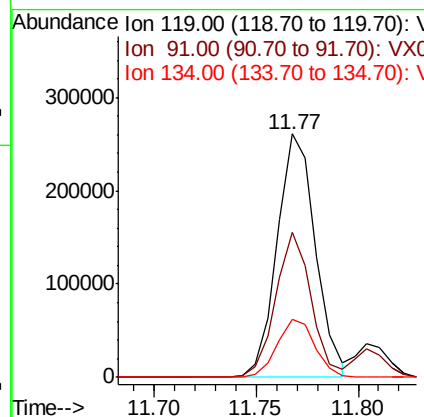
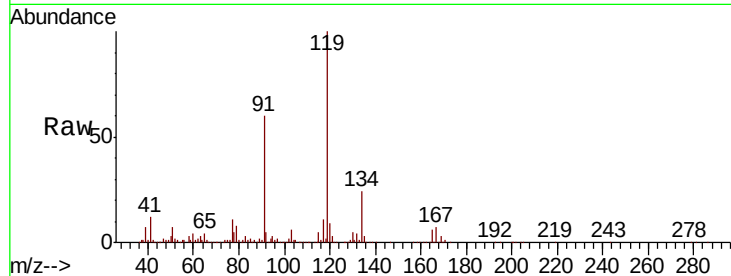
#83
 tert-Butylbenzene
 Concen: 20.403 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	342092		
91	55.5	28.5	85.6	
134	23.6	12.0	36.0	

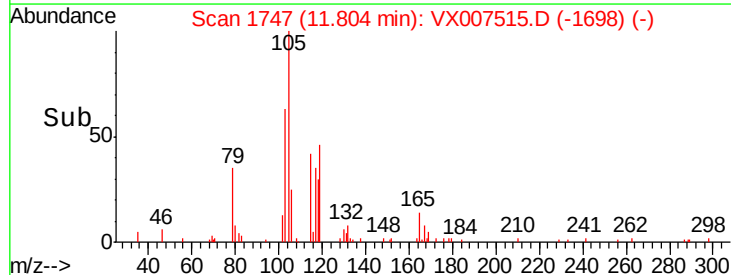
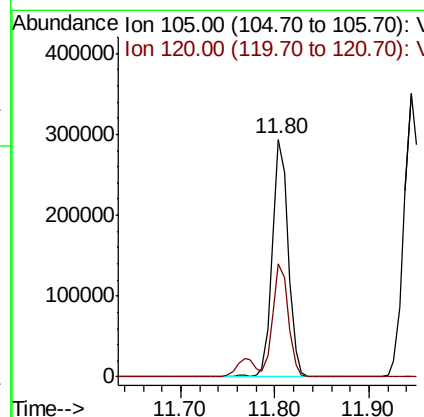
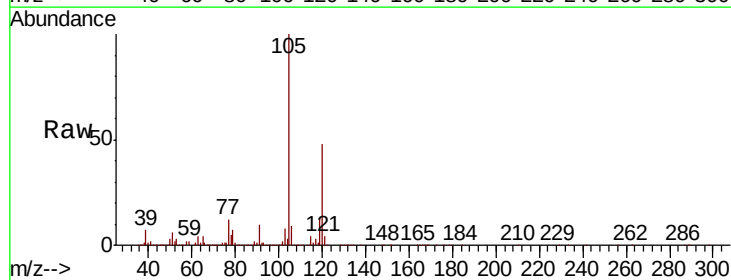
Manual Integrations
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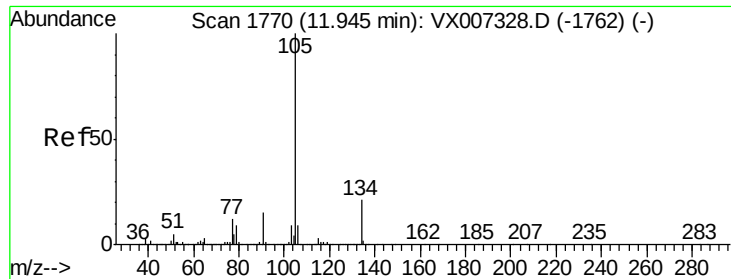
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.385 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	350481		
120	46.6	23.1	69.3	





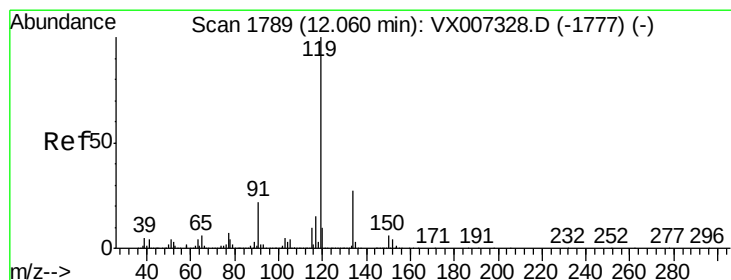
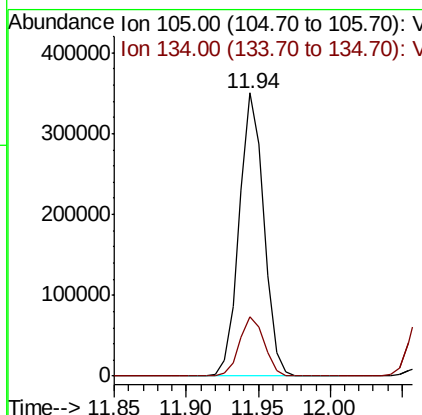
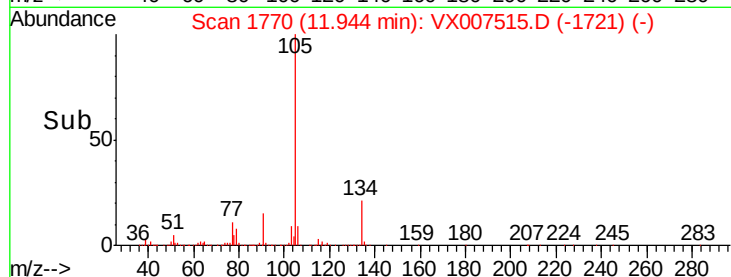
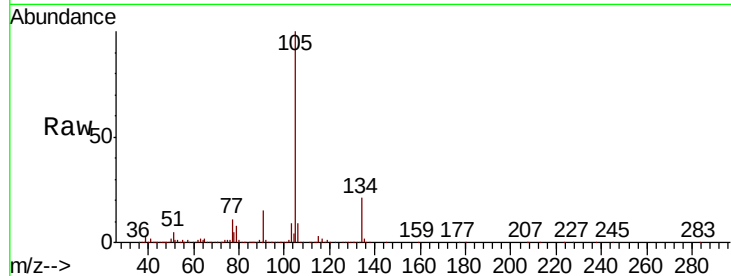
#85
 sec-Butylbenzene
 Concen: 20.459 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.6	31.8

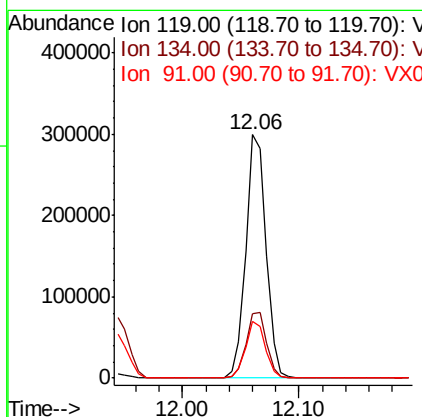
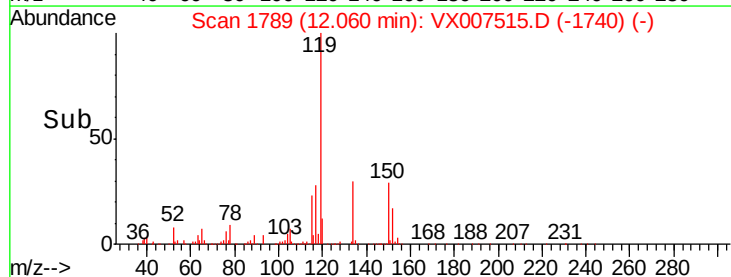
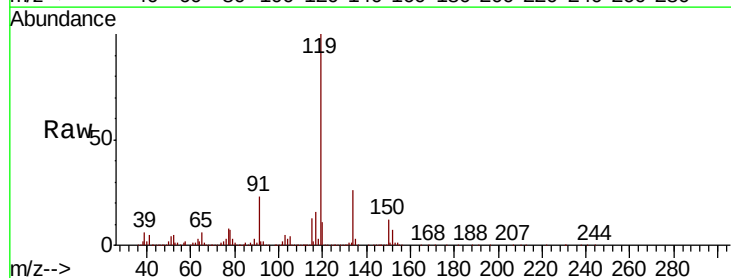
Manual Integrations
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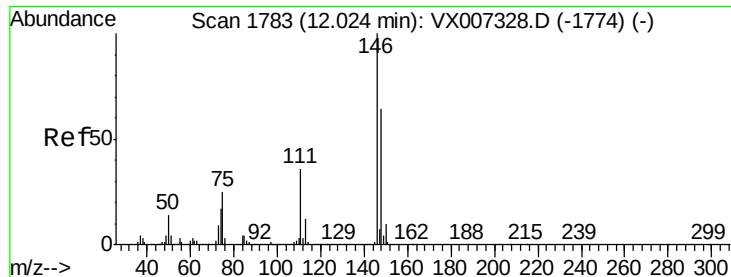
MMDadoda
 2/14/2019 10:48:07 AM



#86
 p-Isopropyltoluene
 Concen: 19.952 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.7	41.1
91	22.8	11.2	33.5





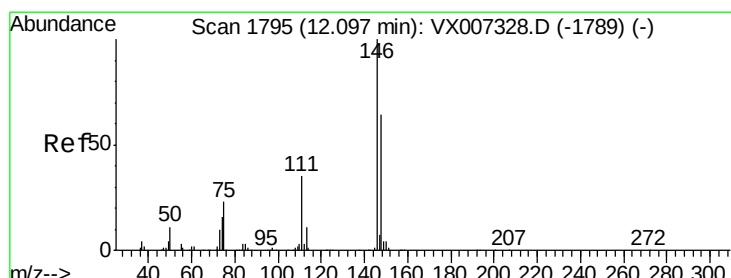
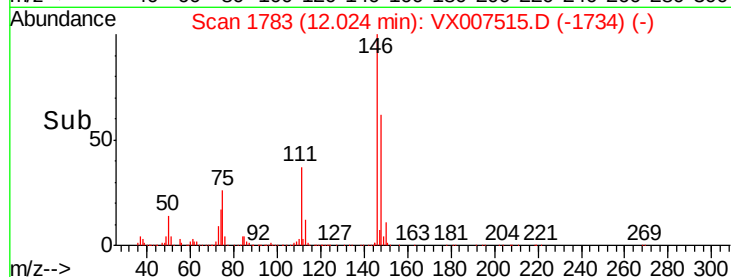
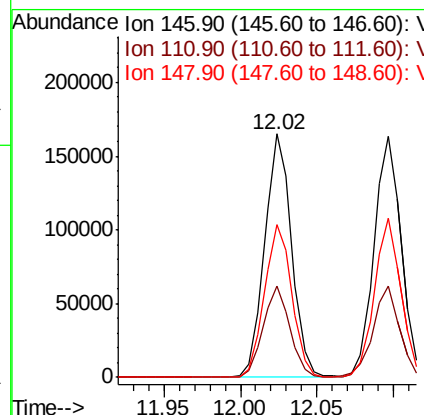
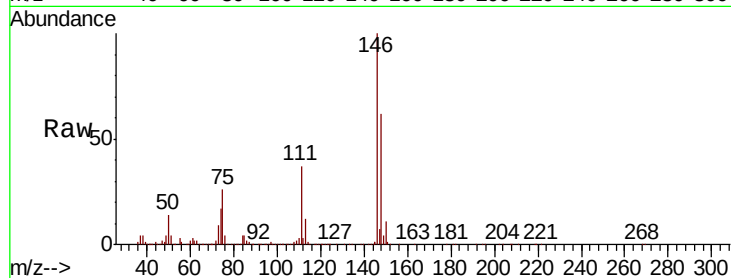
#87
 1,3-Dichlorobenzene
 Concen: 19.421 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	63.8	32.0	96.2

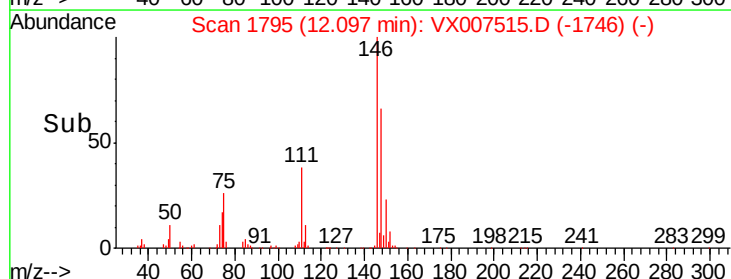
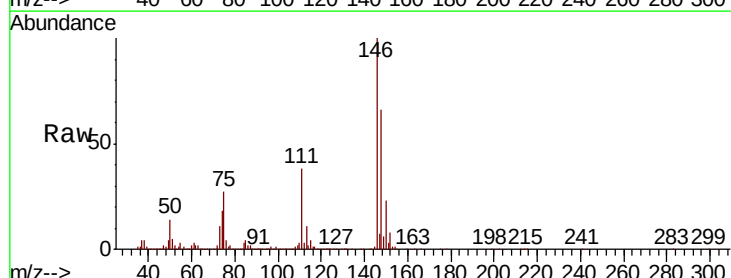
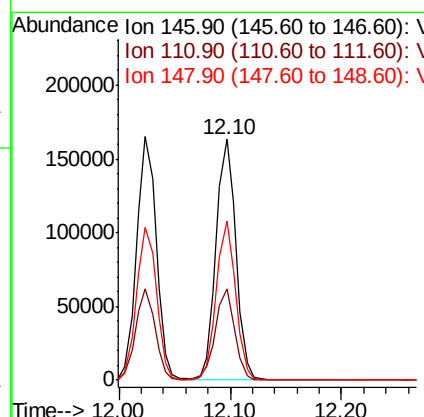
Manual Integrations
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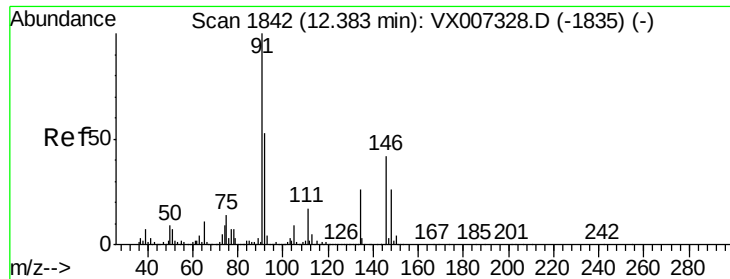
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#88
 1,4-Dichlorobenzene
 Concen: 19.081 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	64.4	32.3	96.9





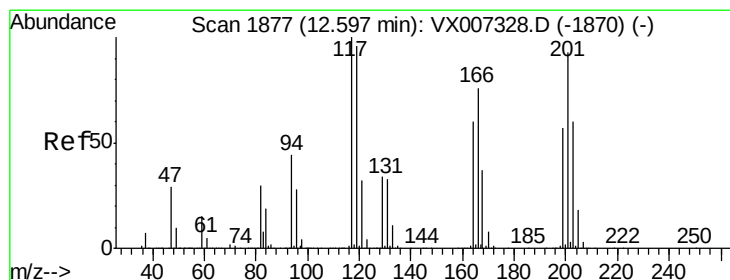
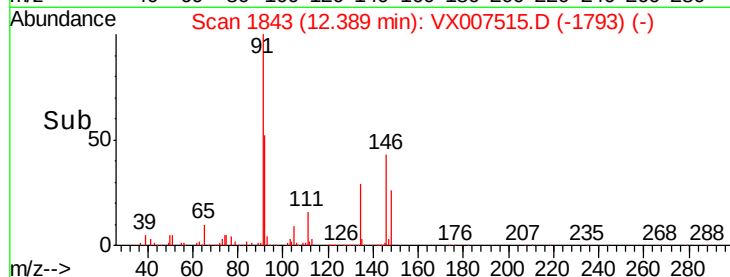
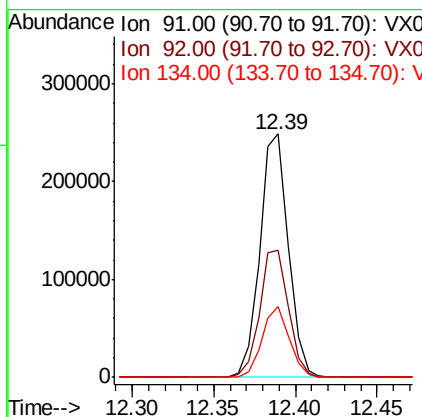
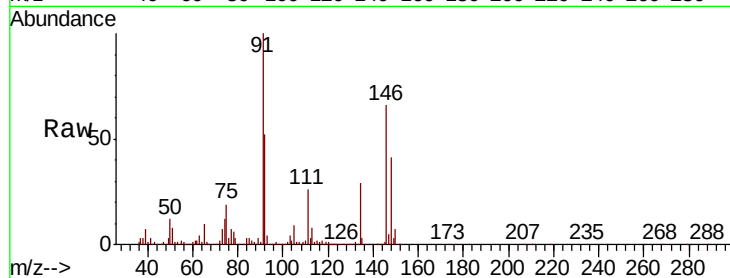
#89
n-Butylbenzene
Concen: 19.081 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.9
134	28.0	13.9	41.6

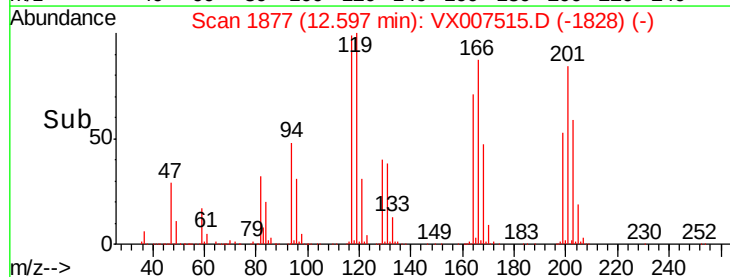
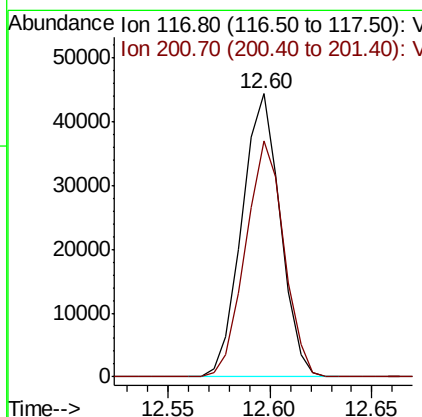
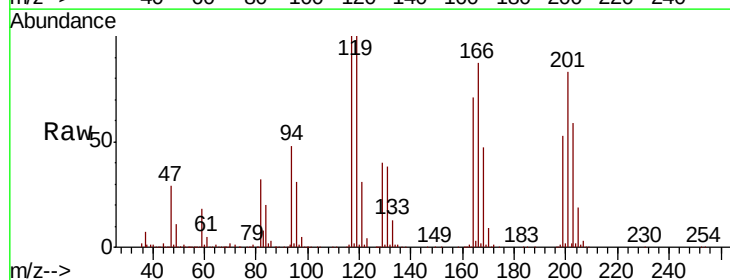
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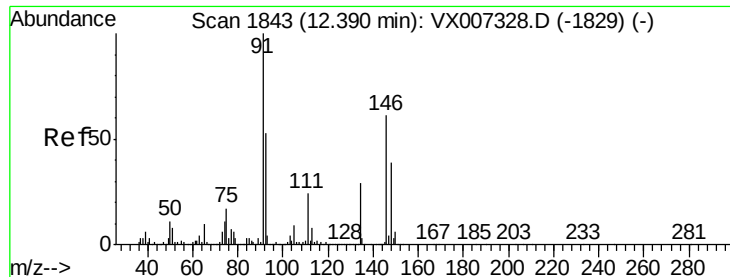
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#90
Hexachloroethane
Concen: 21.218 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007515.D
Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 19.660 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

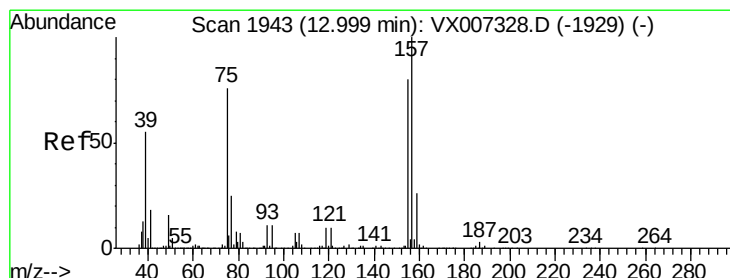
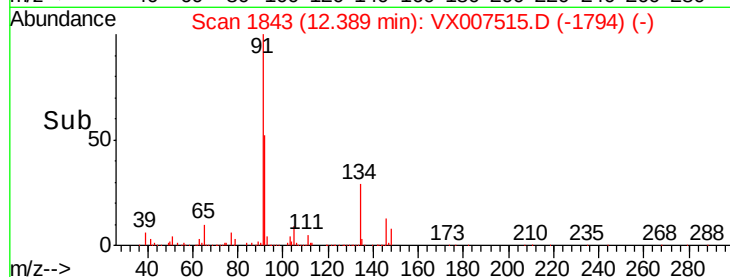
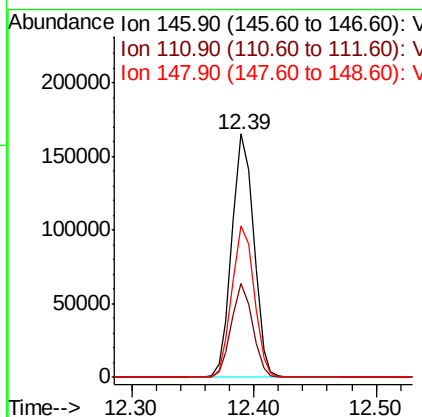
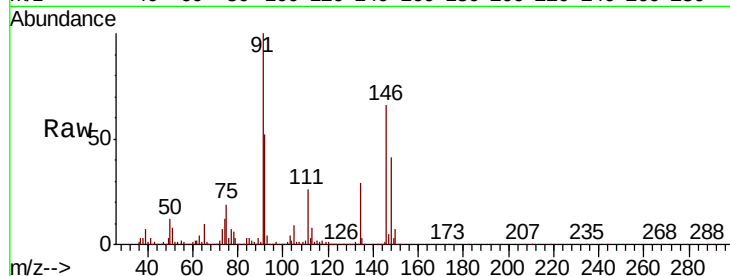
ClientSampleId :

VX0214WBS01

Tot Ion:	146	Resp:	204791
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.1	57.3
148	62.9	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.347 ug/l

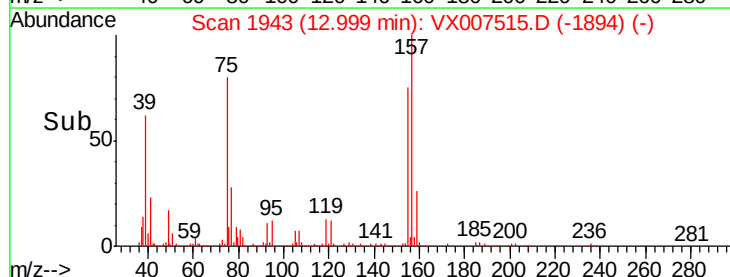
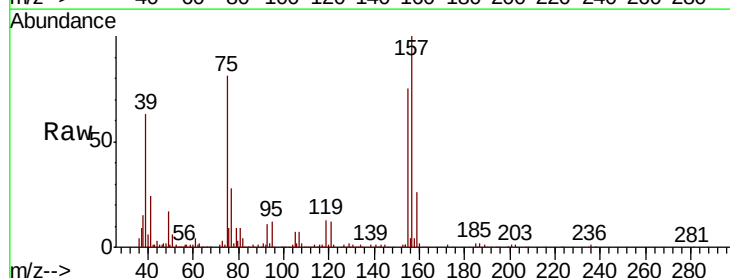
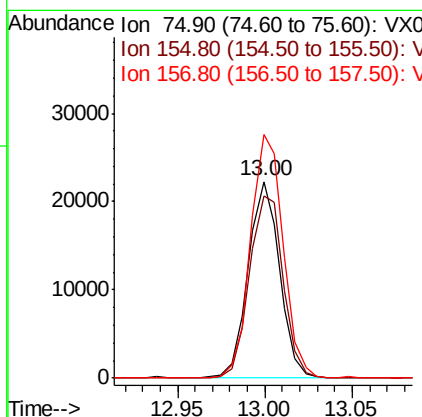
RT: 13.00 min Scan# 1943

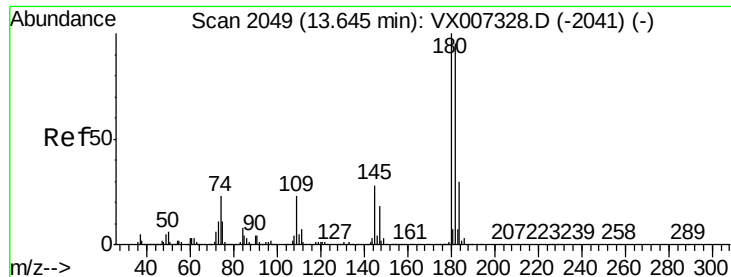
Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion:	75	Resp:	28001
Ion Ratio	Lower	Upper	
75	100		
155	99.4	49.6	149.0
157	128.6	65.1	195.3





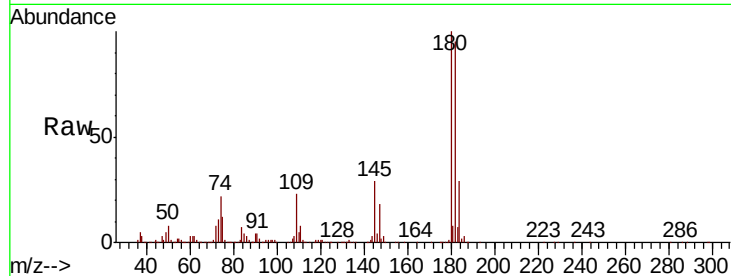
#93
 1,2,4-Trichlorobenzene
 Concen: 18.886 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132672		
182	93.0	47.8	143.3	
145	29.6	14.1	42.2	

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 2/14/2019 10:48:07 AM

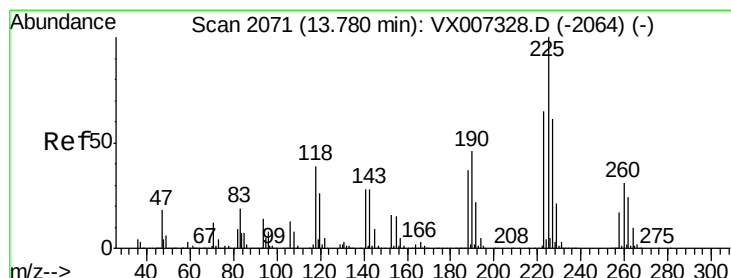
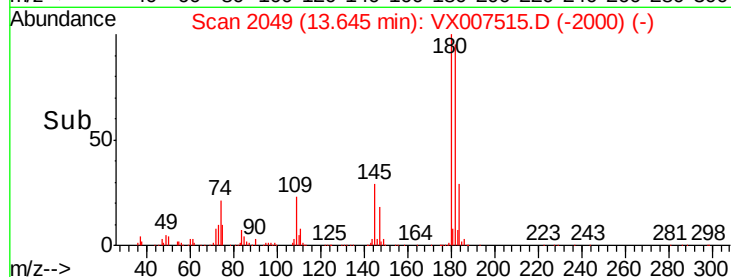
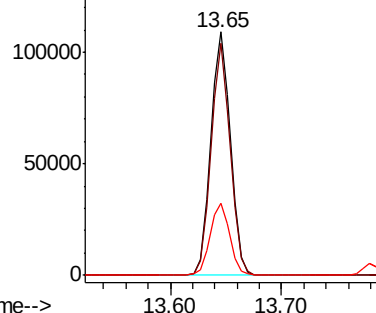


Abundance

Ion 179.80 (179.50 to 180.50): V

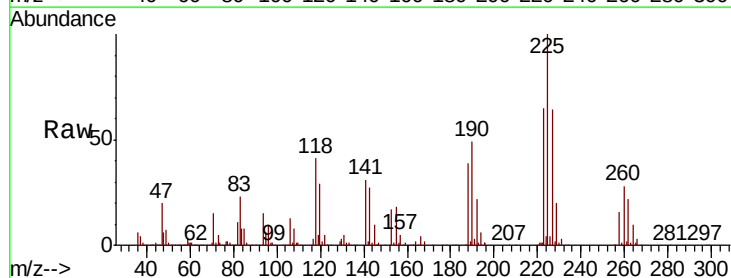
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.008 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007515.D
 Acq: 13 Feb 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64838		
223	64.0	31.6	94.8	
227	62.7	32.1	96.3	

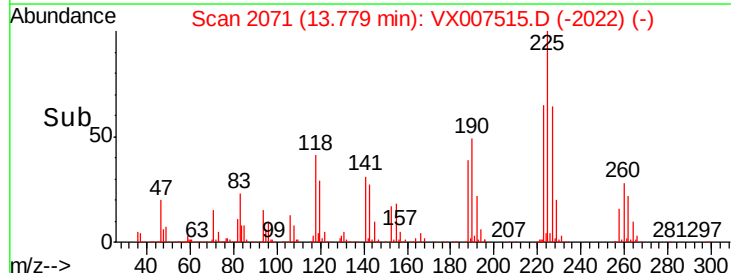
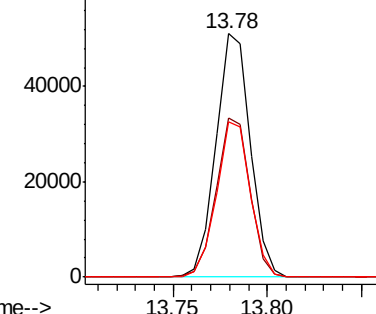


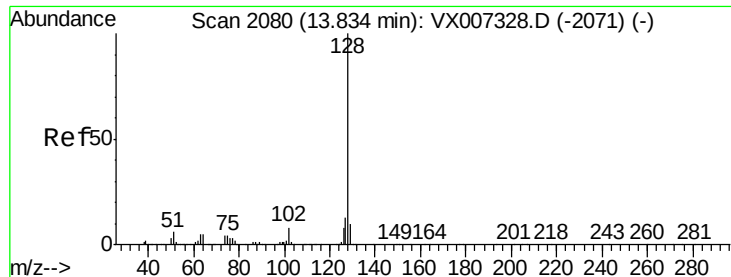
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.151 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Instrument :

MSVOA_X

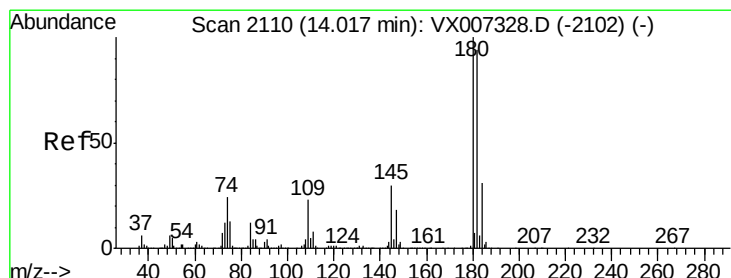
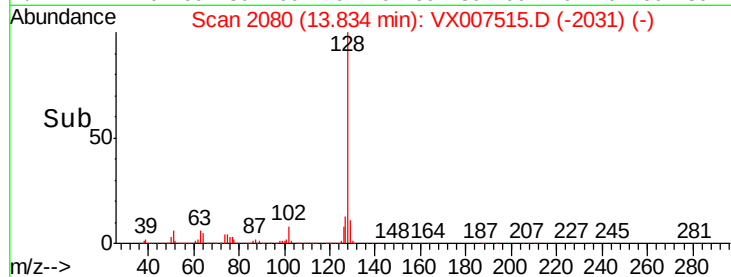
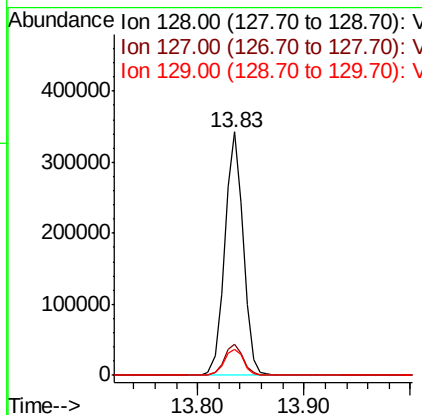
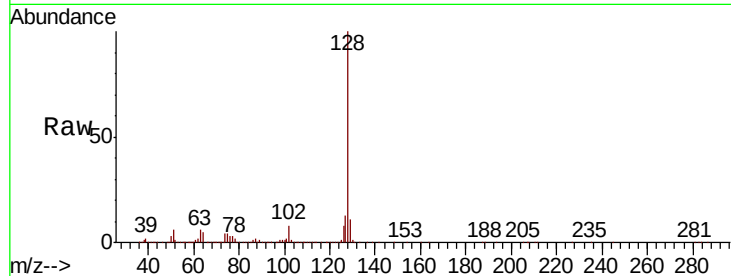
ClientSampleId :

VX0214WBS01

Tot Ion:	128	Resp:	413951
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.755 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007515.D

Acq: 13 Feb 2019 12:31

Tgt Ion:	180	Resp:	132618
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.5	142.6
145	31.6	14.9	44.5

