

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021119\
 Data File : VX007474.D
 Acq On : 11 Feb 2019 17:59
 Operator : JC/SP
 Sample : K1433-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Manual Integrations
 APPROVED

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 2/12/2019 12:15:57 PM

Quant Time: Feb 12 02:03:02 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	506716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	753548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	685974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	353339	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	257042	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	5.51	113	238576	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	8.71	98	870285	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.13	95	327201	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	289167	46.452	ug/l	98
3) Chloromethane	1.33	50	243078	42.590	ug/l	98
4) Vinyl Chloride	1.41	62	276744	49.426	ug/l	100
5) Bromomethane	1.64	94	197294	35.494	ug/l	100
6) Chloroethane	1.72	64	191969	53.000	ug/l	98
7) Trichlorofluoromethane	1.93	101	440829	50.329	ug/l	99
8) Diethyl Ether	2.19	74	164341	49.849	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	247720	47.546	ug/l	99
10) Methyl Iodide	2.51	142	295071	38.499	ug/l	99
11) Tert butyl alcohol	3.07	59	363368	326.459	ug/l	99
12) 1,1-Dichloroethene	2.38	96	232485	48.053	ug/l	99
13) Acrolein	2.29	56	133902	256.545	ug/l	97
14) Allyl chloride	2.73	41	406261	51.536	ug/l	99
15) Acrylonitrile	3.15	53	726504	263.849	ug/l	99
16) Acetone	2.45	43	629298	255.429	ug/l	99
17) Carbon Disulfide	2.57	76	609478	48.253	ug/l	99
18) Methyl Acetate	2.78	43	345950	53.847	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1710735	109.144	ug/l	99
20) Methylene Chloride	2.86	84	258620	51.403	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	243191	47.187	ug/l	98
22) Diisopropyl ether	3.87	45	733923	50.614	ug/l	97
23) Vinyl Acetate	3.82	43	2849237	236.789	ug/l	100
24) 1,1-Dichloroethane	3.70	63	404564	48.583	ug/l	99
25) 2-Butanone	4.70	43	896903	255.810	ug/l	99
26) 2,2-Dichloropropane	4.59	77	283967	44.778	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	271411	48.215	ug/l	98
28) Bromochloromethane	5.02	49	183069	47.806	ug/l	100
29) Tetrahydrofuran	5.15	42	587879	266.598	ug/l	99
30) Chloroform	5.21	83	442015	50.868	ug/l	98
31) Cyclohexane	5.58	56	607773	81.264	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	373994	50.989	ug/l	99
36) 1,1-Dichloropropene	5.80	75	305215	45.143	ug/l	99
37) Ethyl Acetate	4.85	43	316625	46.326	ug/l	99
38) Carbon Tetrachloride	5.78	117	332064	50.624	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	965740	118.057	ug/l	96
40) Benzene	6.14	78	989643	49.690	ug/l	98
41) Methacrylonitrile	5.06	41	193408	52.800	ug/l	99
42) 1,2-Dichloroethane	6.20	62	325505	47.237	ug/l	93
43) Isopropyl Acetate	6.46	43	562808	53.350	ug/l	98
44) Trichloroethene	7.21	130	275789	45.978	ug/l	97
45) 1,2-Dichloropropane	7.52	63	253505	50.802	ug/l	96
46) Dibromomethane	7.66	93	173984	47.972	ug/l	94
47) Bromodichloromethane	7.90	83	313384	50.985	ug/l	98
48) Methyl methacrylate	7.77	41	276792	52.455	ug/l	99
49) 1,4-Dioxane	7.75	88	108104	901.523	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1836715	264.476	ug/l	100
52) Toluene	8.79	92	633580	49.307	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	350799	53.132	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	375170	51.672	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	252041	47.055	ug/l	99
56) Ethyl methacrylate	9.18	69	429662	57.917	ug/l	92
57) 1,3-Dichloropropane	9.37	76	414095	48.613	ug/l	99
59) 2-Hexanone	9.49	43	1367697	253.083	ug/l	100
60) Dibromochloromethane	9.59	129	278019	54.881	ug/l	99
61) 1,2-Dibromoethane	9.67	107	281368	49.603	ug/l	97
64) Tetrachloroethene	9.34	164	253083	39.144	ug/l	98
65) Chlorobenzene	10.14	112	712869	47.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	263726	52.548	ug/l	99
67) Ethyl Benzene	10.25	91	1379521	57.227	ug/l	99
68) m/p-Xylenes	10.36	106	1017001	106.131	ug/l	99
69) o-Xylene	10.70	106	462636	50.173	ug/l	99
70) Styrene	10.71	104	747700	50.000	ug/l	100
71) Bromoform	10.86	173	218026	49.569	ug/l	100
73) Isopropylbenzene	11.02	105	5762893	240.008	ug/l	98
74) N-amyl acetate	10.90	43	464075	49.969	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	385677	52.705	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	357705m	52.046	ug/l	
77) Bromobenzene	11.26	156	330800	48.896	ug/l	98
78) n-propylbenzene	11.36	91	4784933	181.730	ug/l	99
79) 2-Chlorotoluene	11.42	91	801205	50.149	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1069856	54.462	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	108553	48.919	ug/l	97
82) 4-Chlorotoluene	11.51	91	940225	50.860	ug/l	99
83) tert-Butylbenzene	11.77	119	1165586	59.931	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1173812	58.857	ug/l	100
85) sec-Butylbenzene	11.94	105	1558187	66.195	ug/l	91
86) p-Isopropyltoluene	12.06	119	1111054	52.288	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	579795	47.753	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	578595	46.971	ug/l	100
89) n-Butylbenzene	12.39	91	1119629	61.252	ug/l	91
90) Hexachloroethane	12.60	117	182900m	57.513	ug/l	
91) 1,2-Dichlorobenzene	12.39	146	584095	48.340	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	89522	58.835	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	419004	51.420	ug/l #	94

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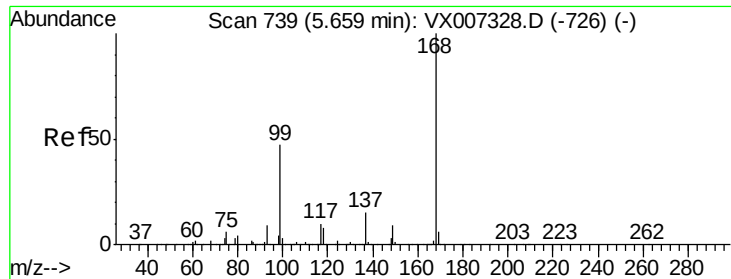
Manual Integrations
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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	198943	50.279	ug/l	99
95) Naphthalene	13.83	128	1548755	64.994	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	409038	49.868	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion:168 Resp: 506716

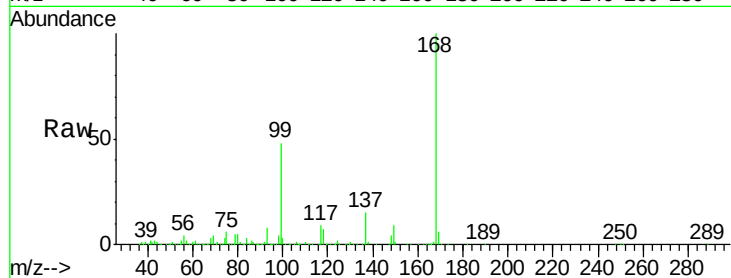
Ion Ratio Lower Upper

168 100

99 47.7 37.9 56.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

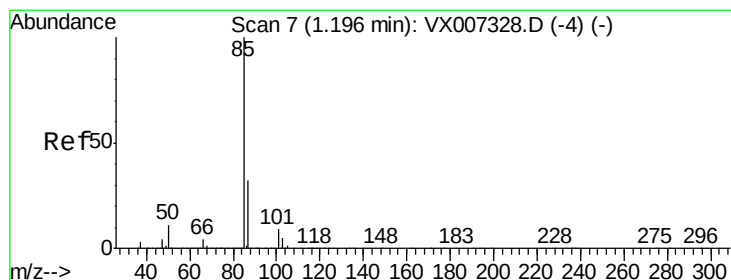
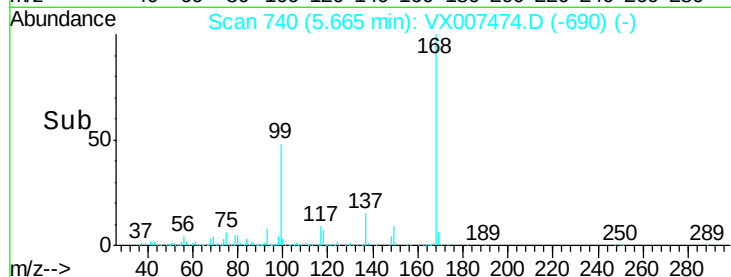
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.452 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007474.D

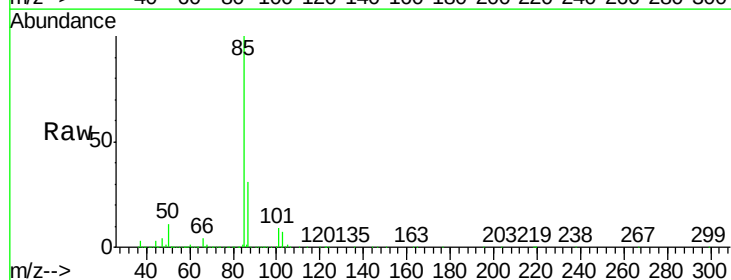
Acq: 11 Feb 2019 17:59

Tgt Ion: 85 Resp: 289167

Ion Ratio Lower Upper

85 100

87 30.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300000

250000

200000

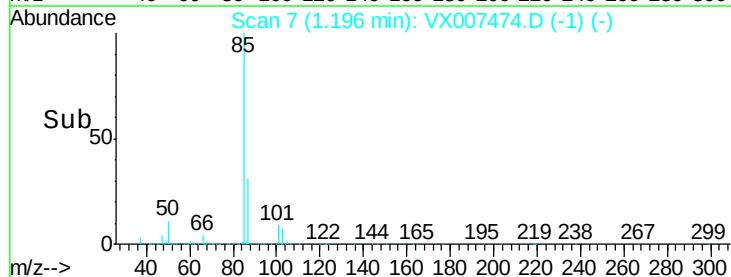
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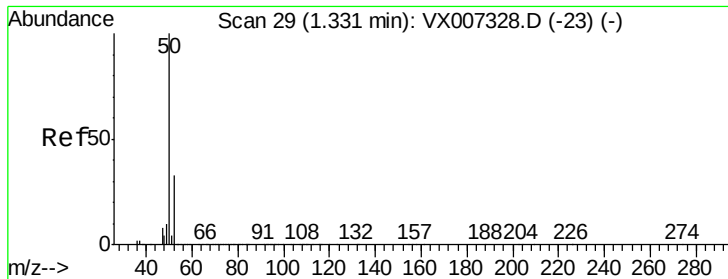
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50000

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Time-->





#3

Chloromethane

Concen: 42.590 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 50 Resp: 243078

Ion Ratio Lower Upper

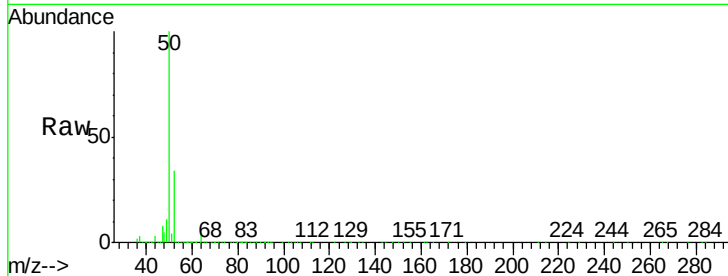
50 100

52 33.5 26.1 39.1

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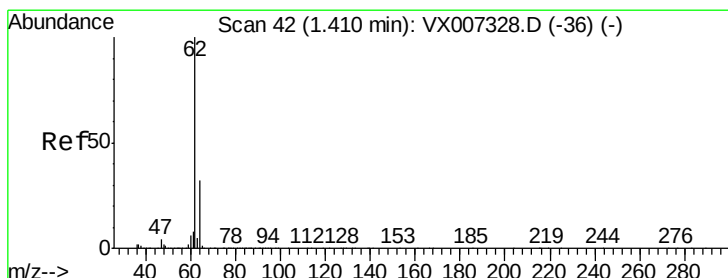
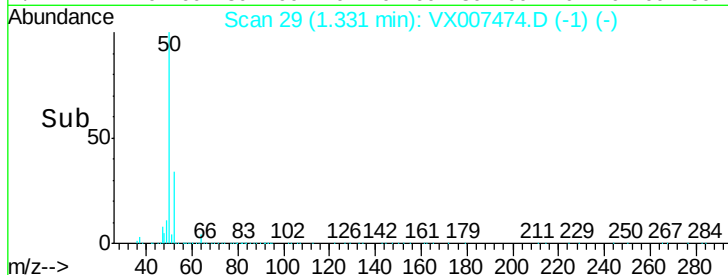
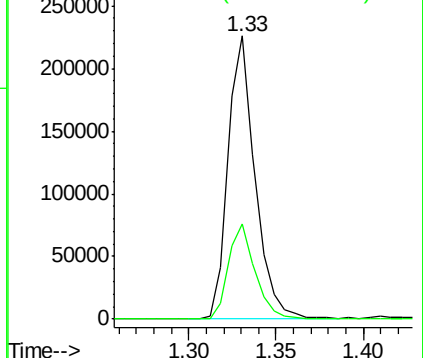
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.426 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007474.D

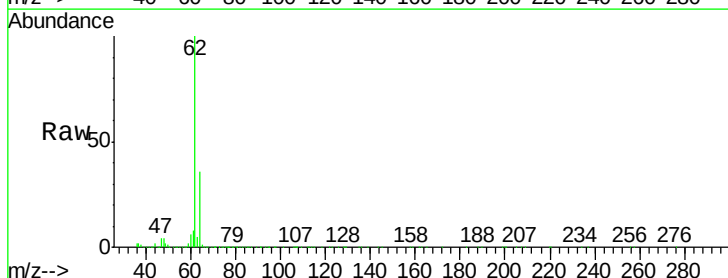
Acq: 11 Feb 2019 17:59

Tgt Ion: 62 Resp: 276744

Ion Ratio Lower Upper

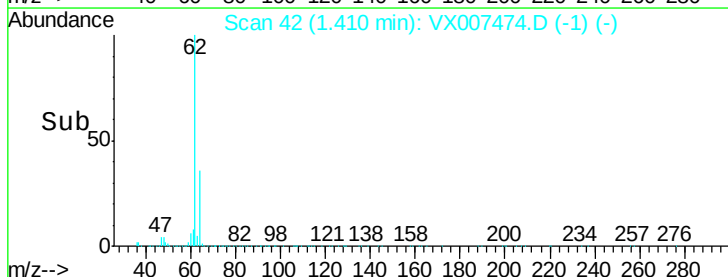
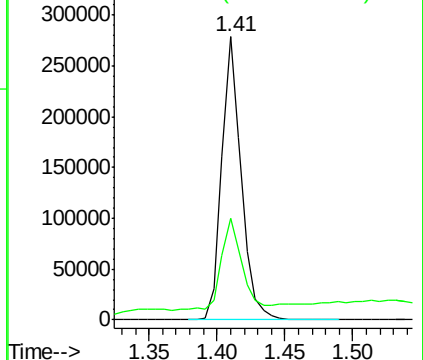
62 100

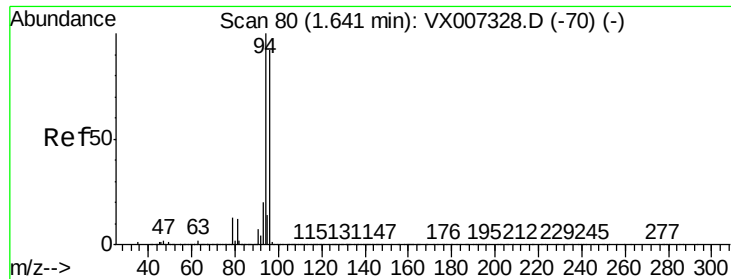
64 31.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 35.494 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 94 Resp: 197294

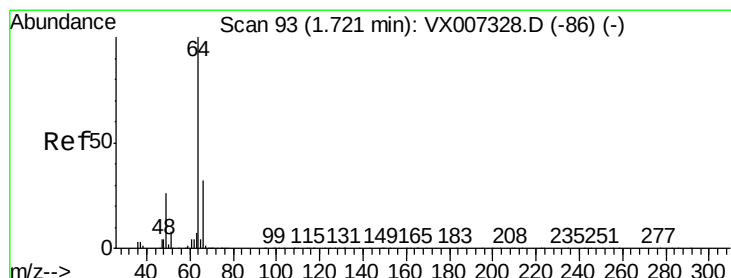
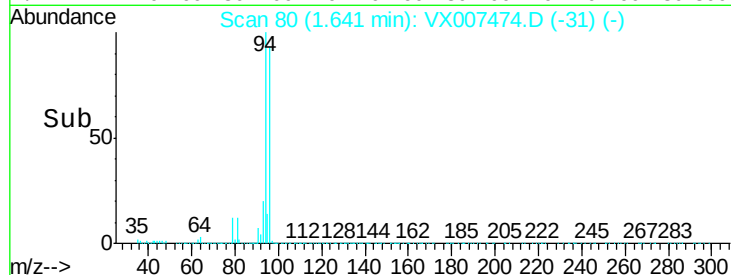
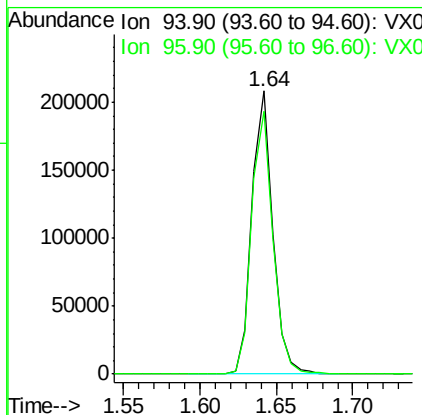
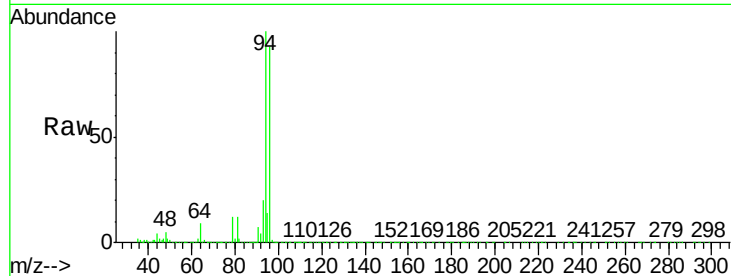
Ion Ratio Lower Upper

94 100

96 92.8 73.9 110.9

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#6

Chloroethane

Concen: 53.000 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007474.D

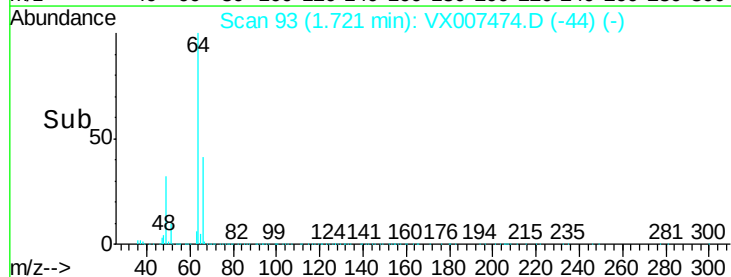
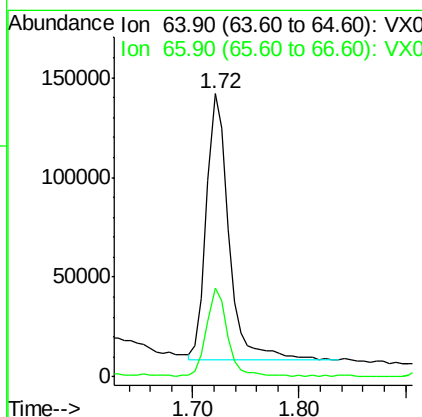
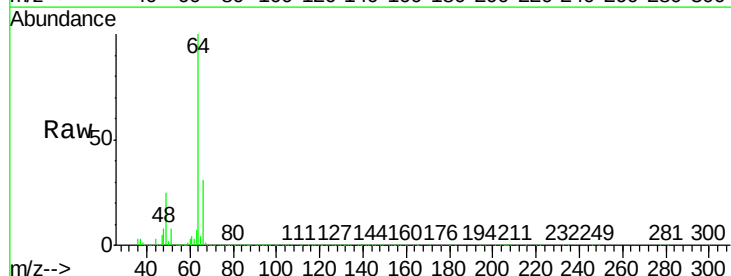
Acq: 11 Feb 2019 17:59

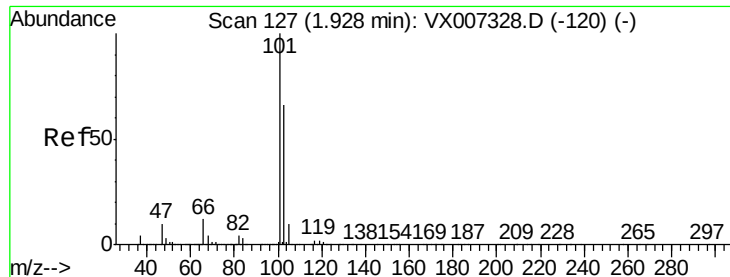
Tgt Ion: 64 Resp: 191969

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3





#7

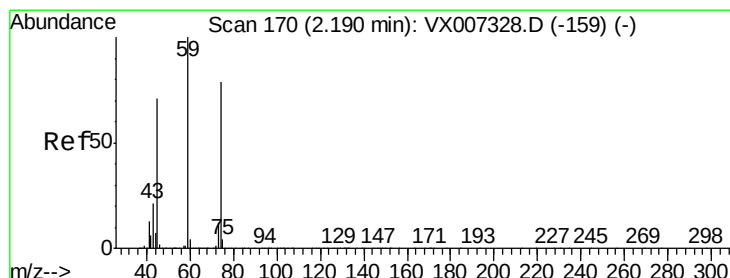
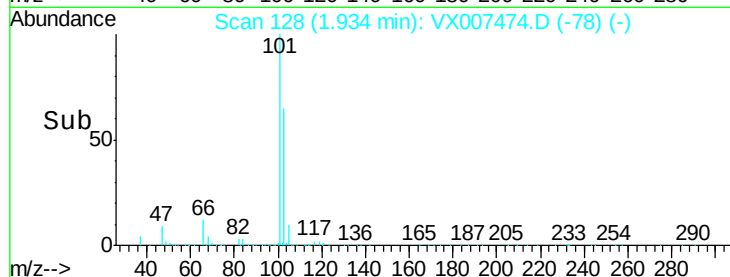
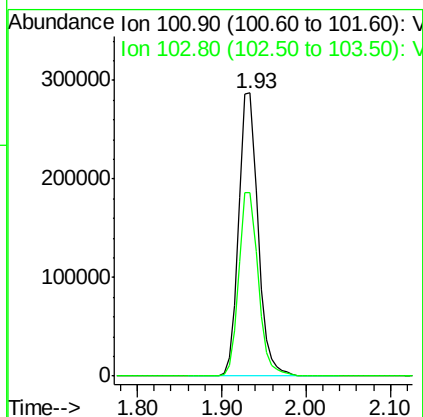
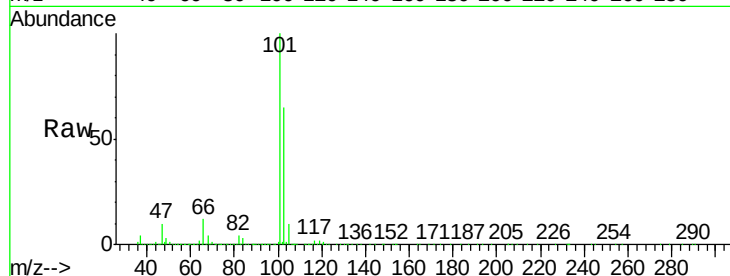
Trichlorofluoromethane
Concen: 50.329 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.6	79.0

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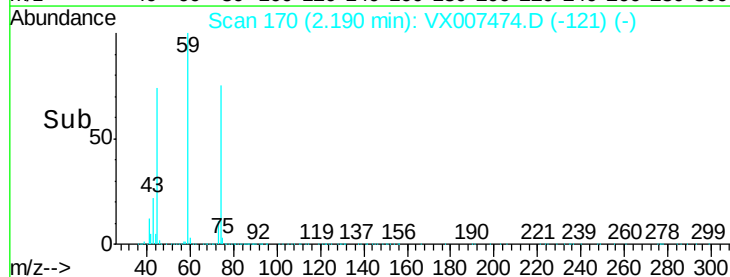
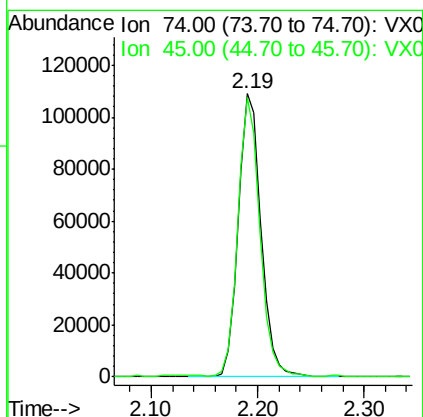
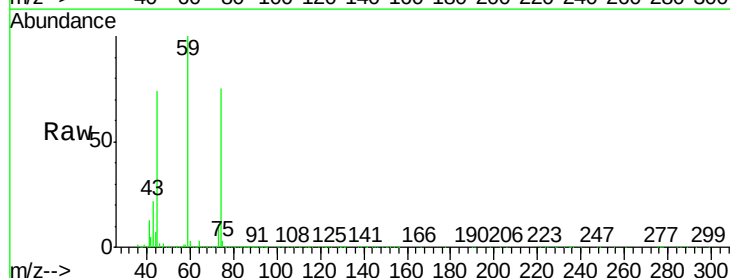
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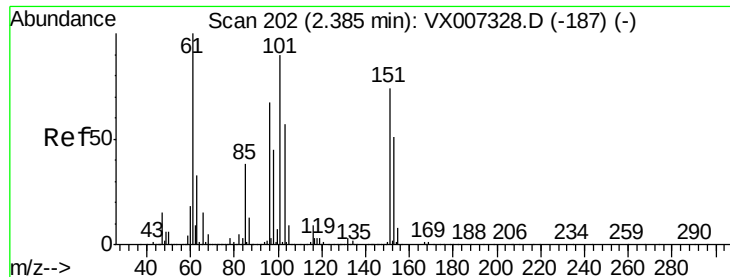


#8

Diethyl Ether
Concen: 49.849 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.546 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

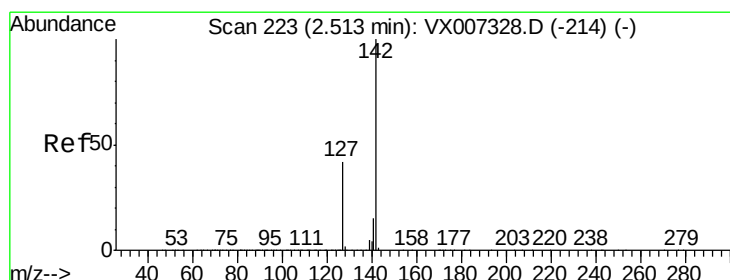
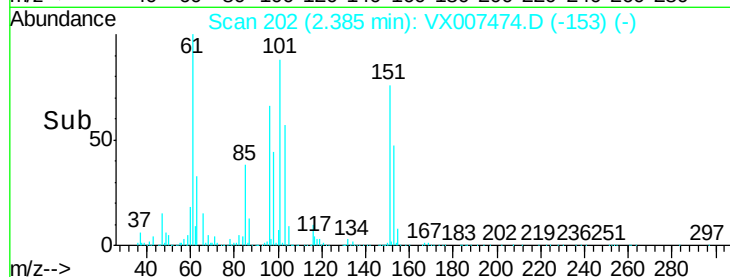
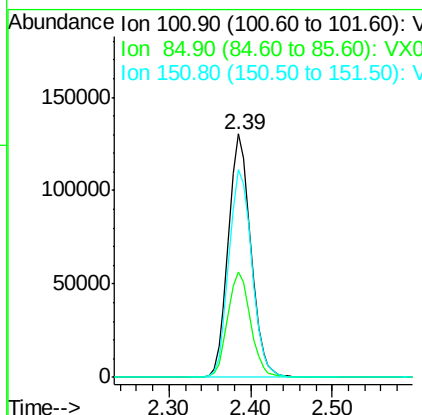
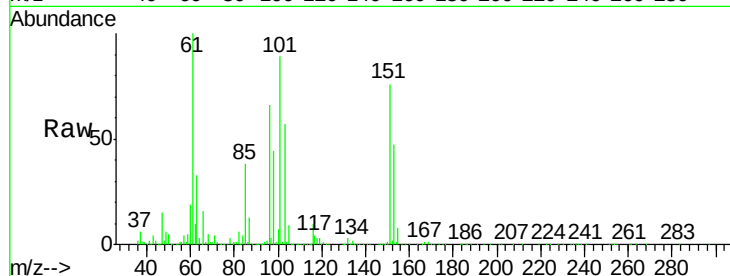
ClientSampleId :

KY001MW020-190207MSD

Tot Ion:	101	Resp:	247720
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.1	51.1
151	87.3	69.9	104.9

Manual Integrations
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MMDadoda
2/12/2019 12:15:57 PM



#10

Methyl Iodide

Concen: 38.499 ug/l

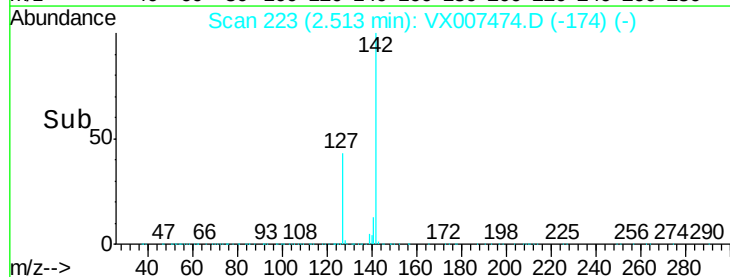
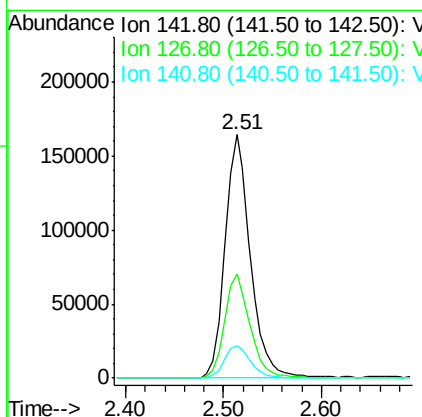
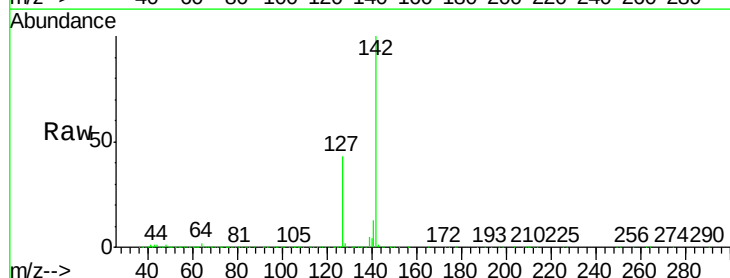
RT: 2.51 min Scan# 223

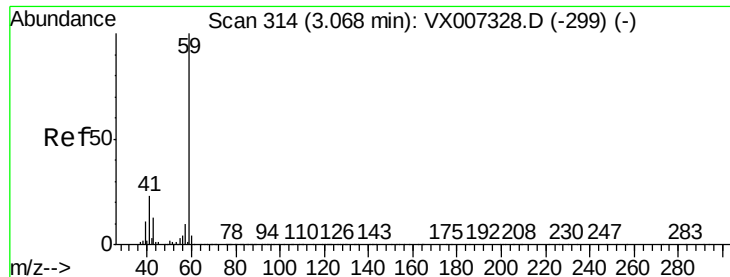
Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion:	142	Resp:	295071
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.7	50.5
141	14.0	11.3	16.9





#11

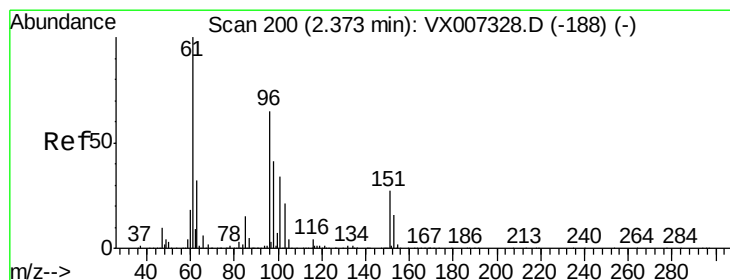
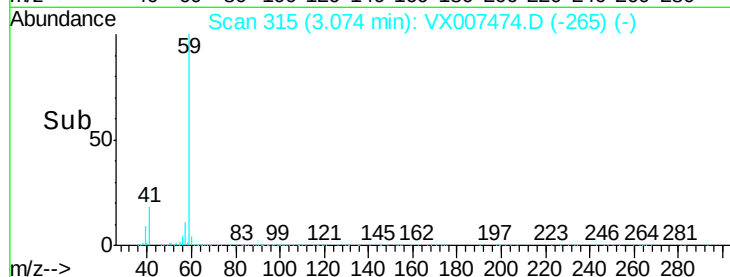
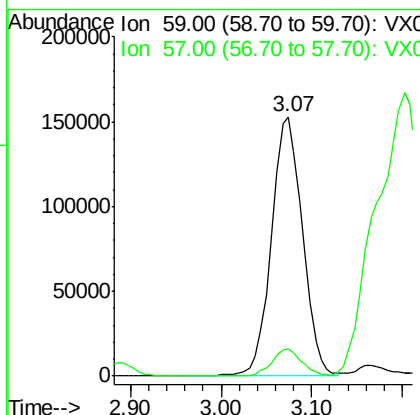
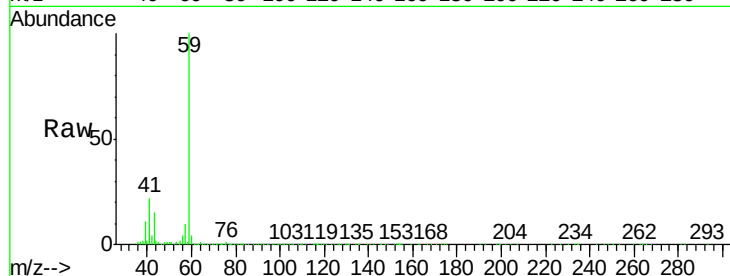
Tert butyl alcohol
Concen: 326.459 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	363368		
57	9.9		8.1	12.1

Manual Integrations
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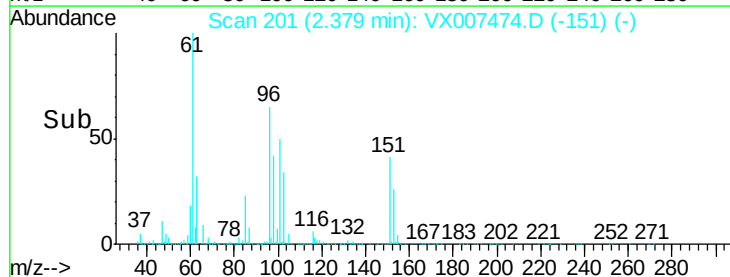
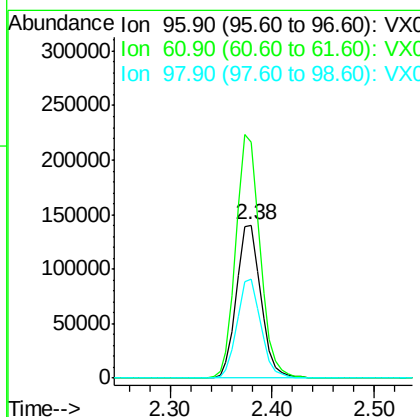
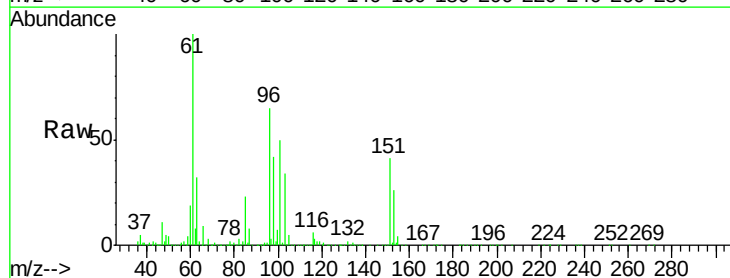
MMDadoda
2/12/2019 12:15:57 PM

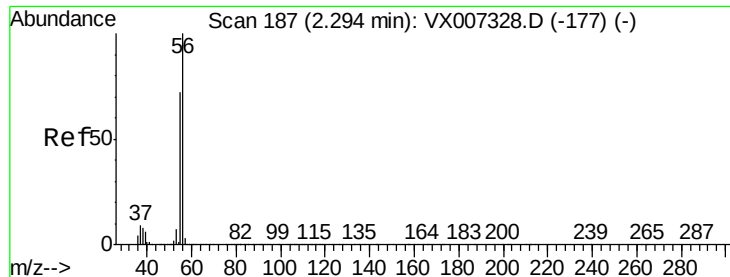


#12

1,1-Dichloroethene
Concen: 48.053 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	232485		
61	154.3		123.0	184.4
98	64.5		50.9	76.3





#13

Acrolein

Concen: 256.545 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 56 Resp: 133902

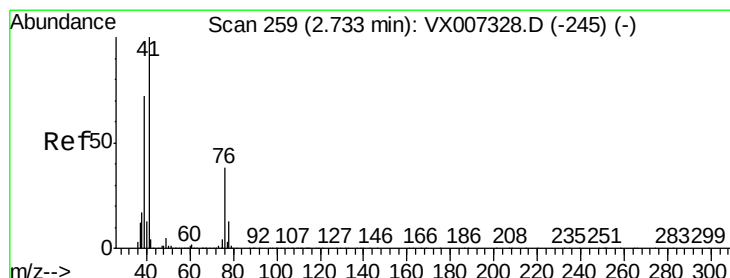
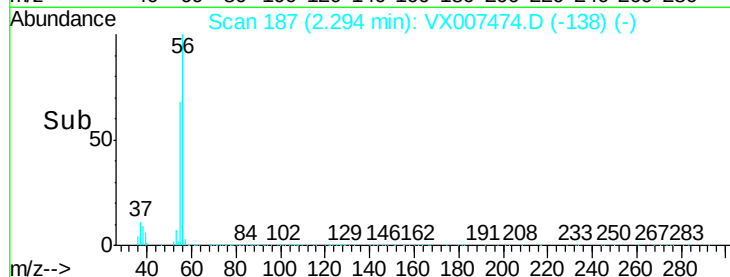
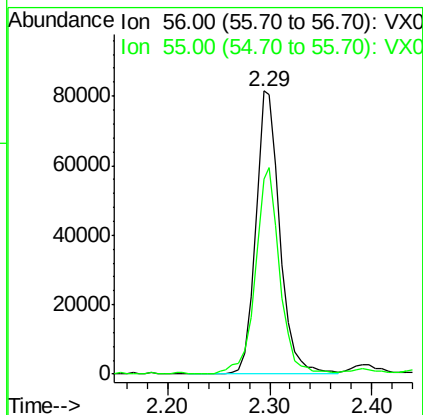
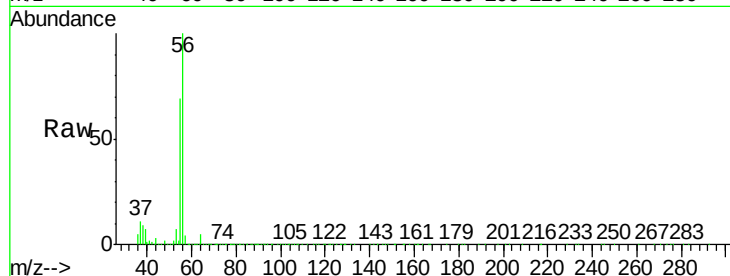
Ion Ratio Lower Upper

56 100

55 73.6 56.9 85.3

Manual Integrations
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2/12/2019 12:15:57 PM



#14

Allyl chloride

Concen: 51.536 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

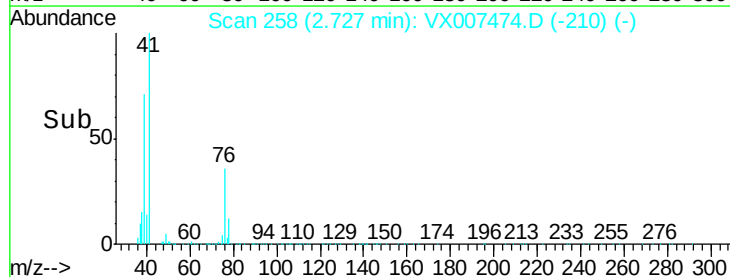
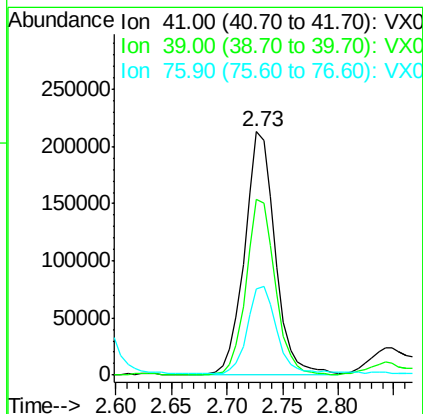
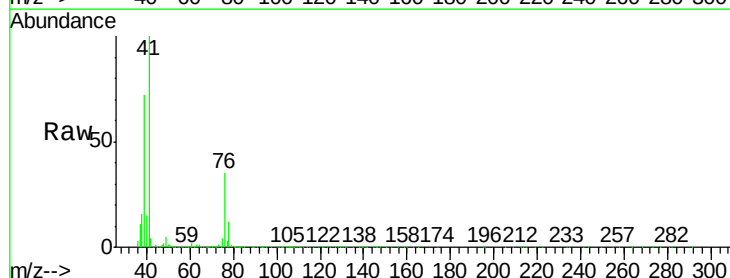
Tgt Ion: 41 Resp: 406261

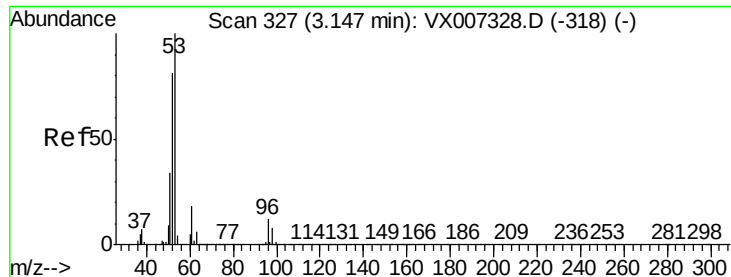
Ion Ratio Lower Upper

41 100

39 68.8 54.1 81.1

76 34.0 27.8 41.8





#15

Acrylonitrile

Concen: 263.849 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

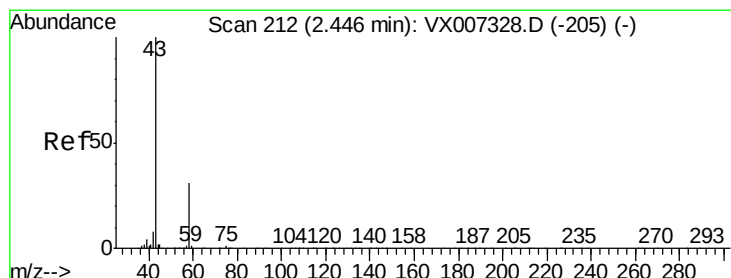
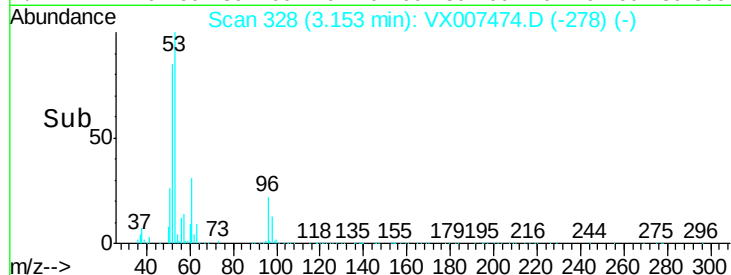
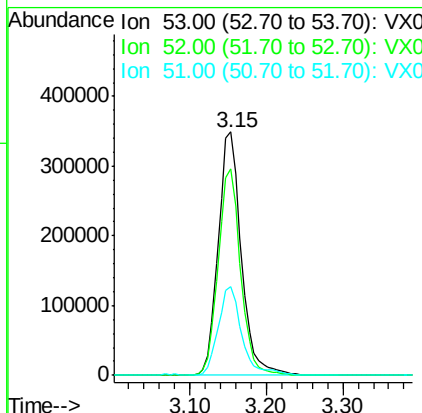
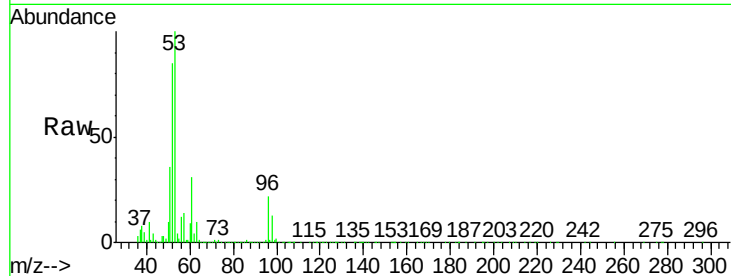
ClientSampleId :

KY001MW020-190207MSD

Tot Ion:	53	Resp:	726504
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.4	99.6
51	37.2	28.4	42.6

Manual Integrations
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MMDadoda
2/12/2019 12:15:57 PM



#16

Acetone

Concen: 255.429 ug/l

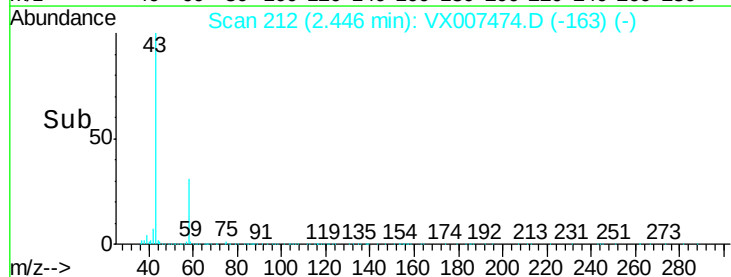
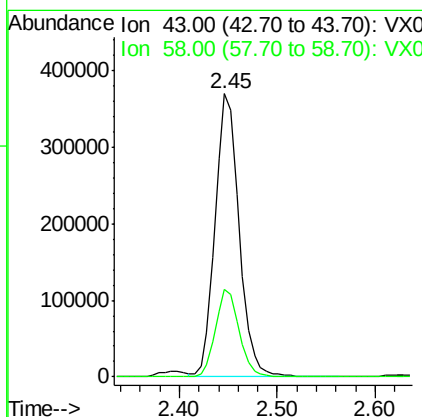
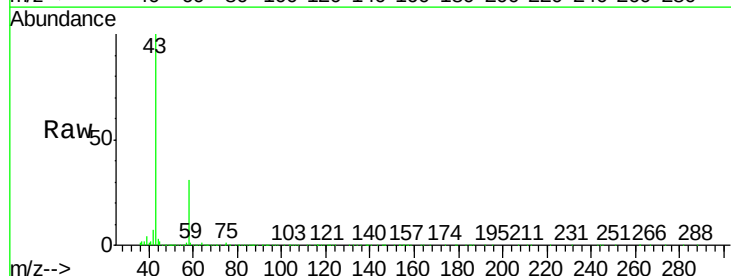
RT: 2.45 min Scan# 212

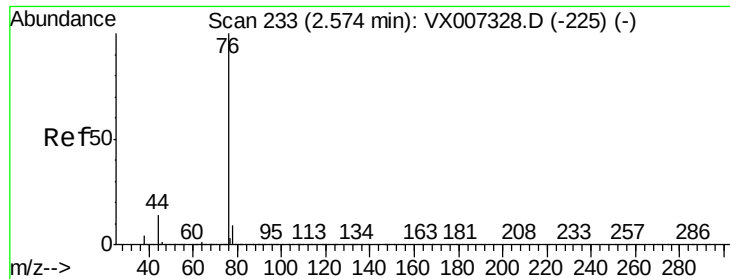
Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion:	43	Resp:	629298
Ion Ratio		Lower	Upper
43	100		
58	30.6	24.9	37.3





#17

Carbon Disulfide

Concen: 48.253 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 76 Resp: 609478

Ion Ratio Lower Upper

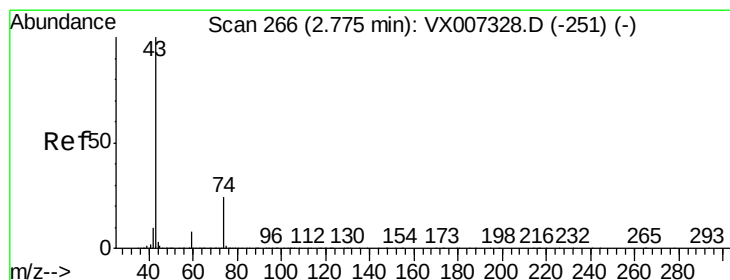
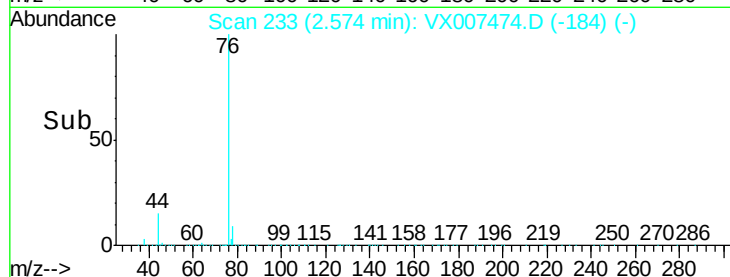
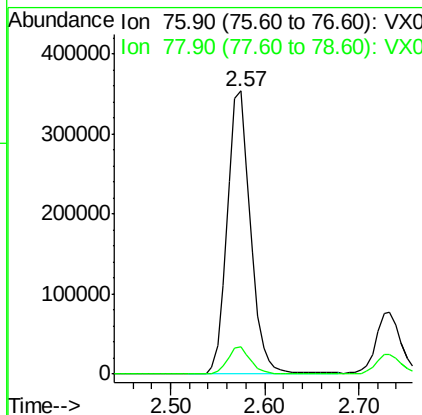
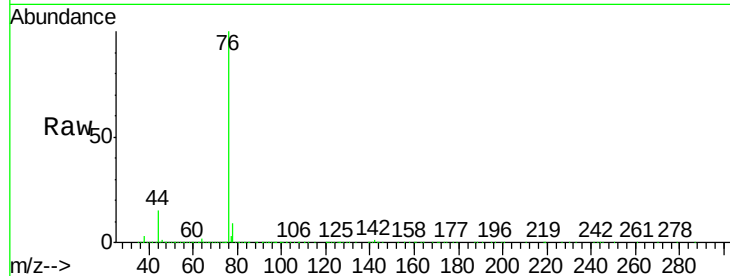
76 100

78 9.4 7.1 10.7

Manual Integrations
APPROVED

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#18

Methyl Acetate

Concen: 53.847 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007474.D

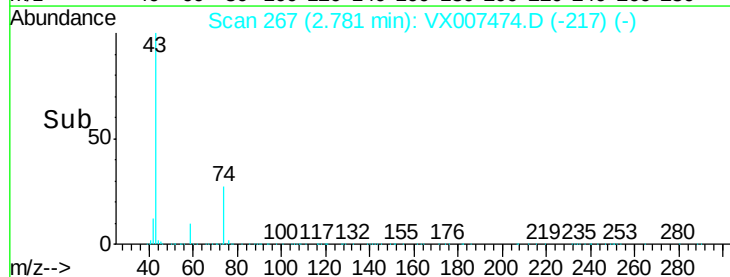
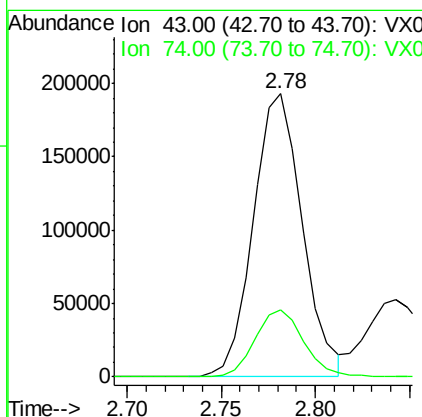
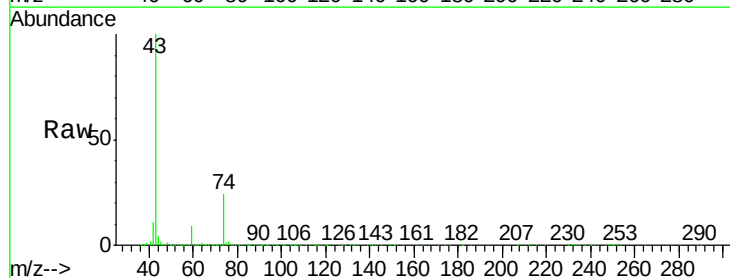
Acq: 11 Feb 2019 17:59

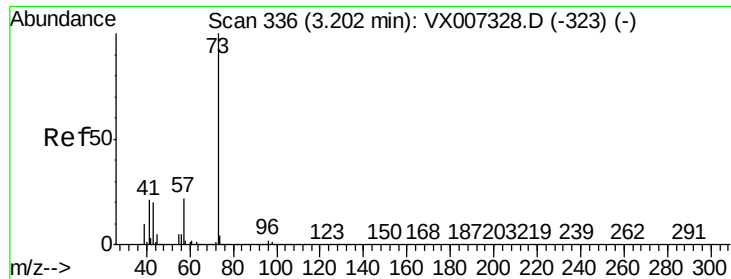
Tgt Ion: 43 Resp: 345950

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2





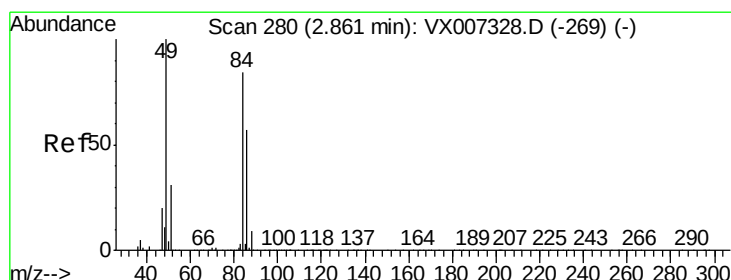
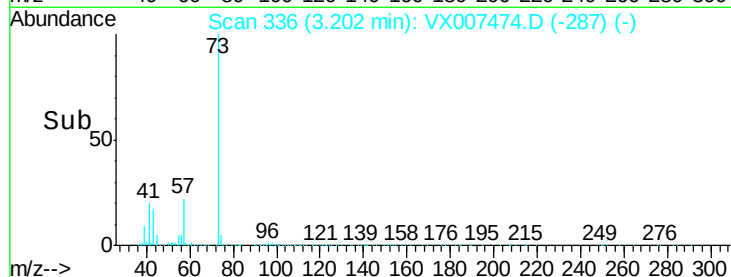
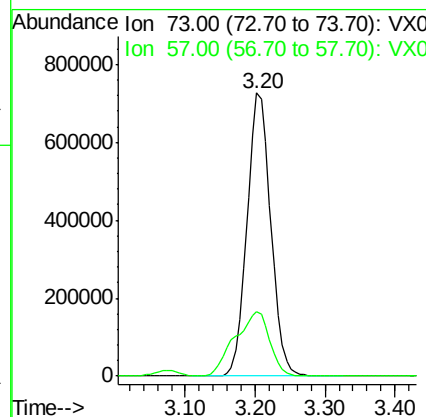
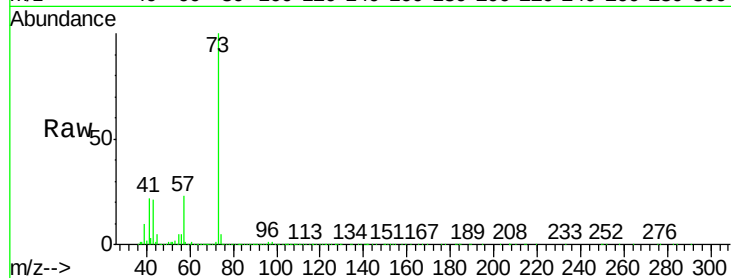
#19
Methyl tert-butyl Ether
Concen: 109.144 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion: 73 Resp: 1710735
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8

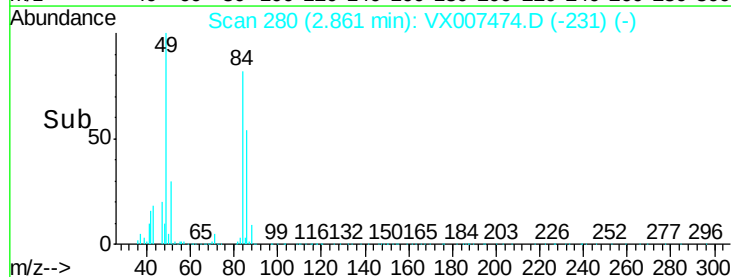
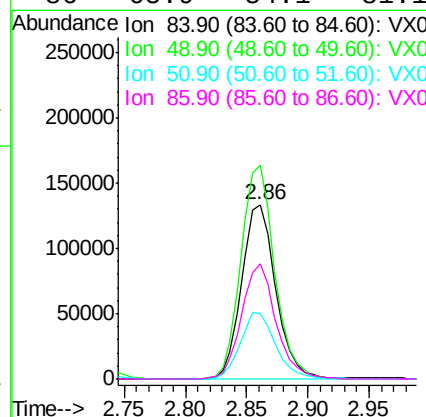
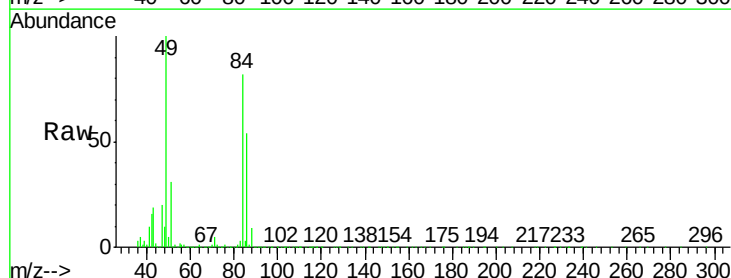
Manual Integrations
APPROVED

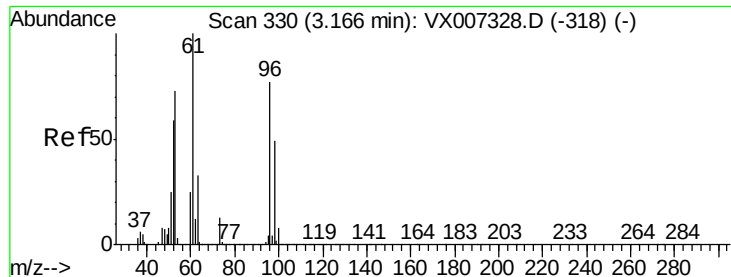
MMDadoda
2/12/2019 12:15:57 PM



#20
Methylene Chloride
Concen: 51.403 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion: 84 Resp: 258620
Ion Ratio Lower Upper
84 100
49 122.3 94.8 142.2
51 37.2 29.8 44.8
86 65.9 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 47.187 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

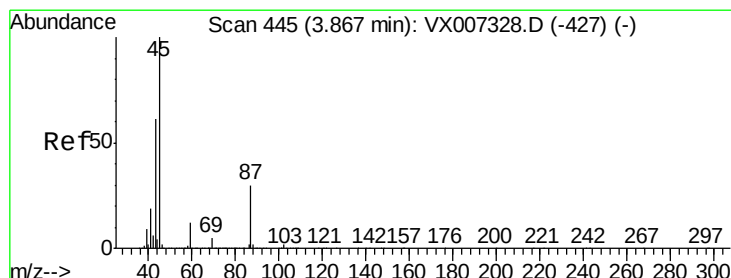
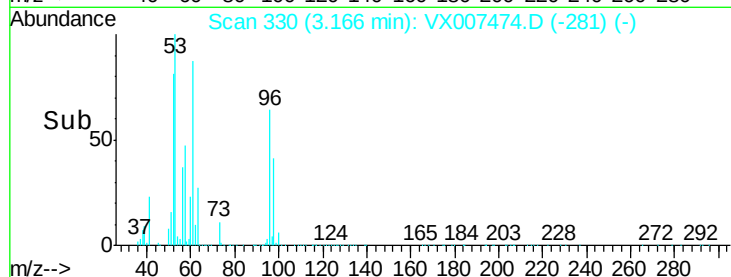
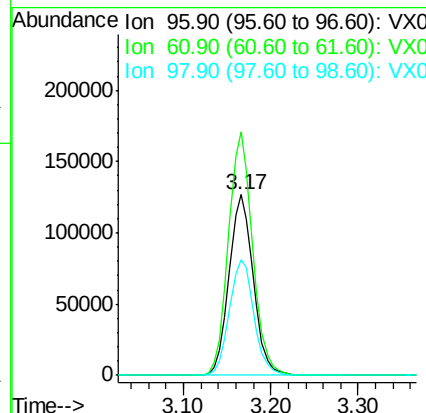
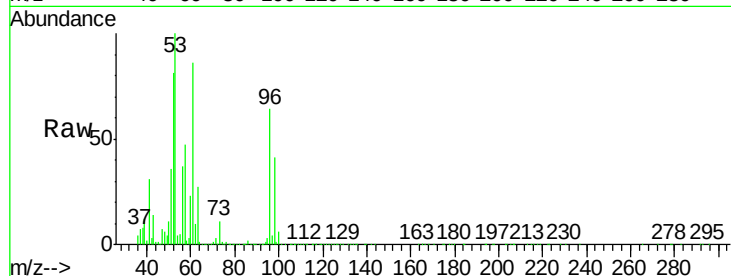
ClientSampleId :

KY001MW020-190207MSD

Tot Ion:	96	Resp:	243191
Ion Ratio	Lower	Upper	
96	100		
61	134.6	104.6	156.8
98	63.9	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.614 ug/l

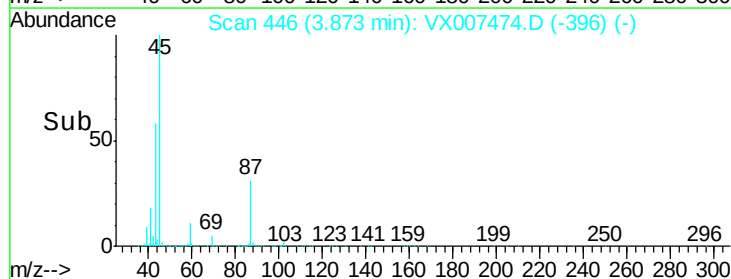
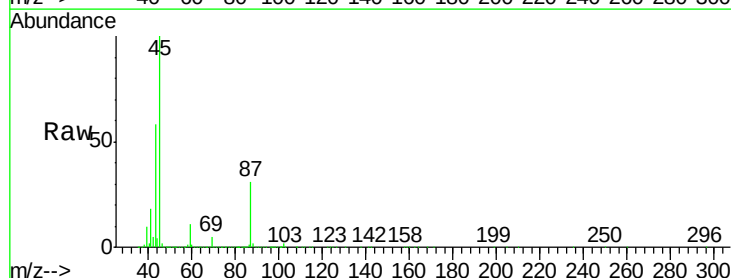
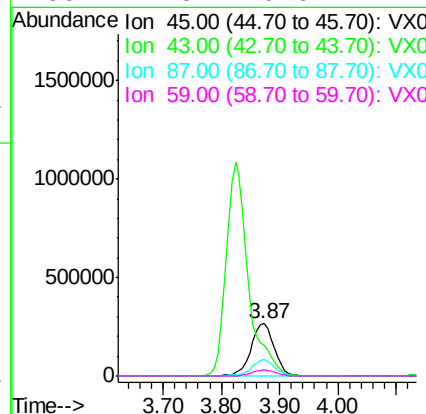
RT: 3.87 min Scan# 446

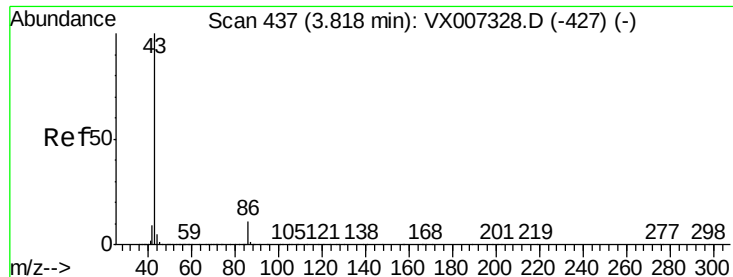
Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion:	45	Resp:	733923
Ion Ratio	Lower	Upper	
45	100		
43	58.0	48.9	73.3
87	31.1	23.9	35.9
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 236.789 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 43 Resp: 2849237

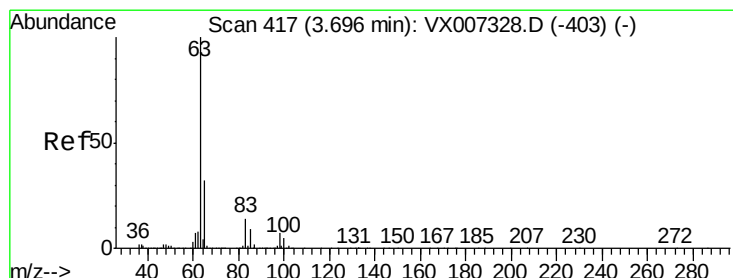
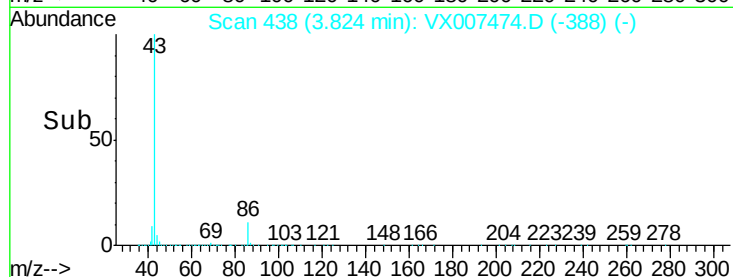
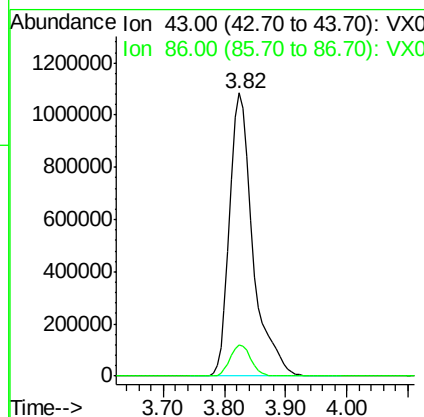
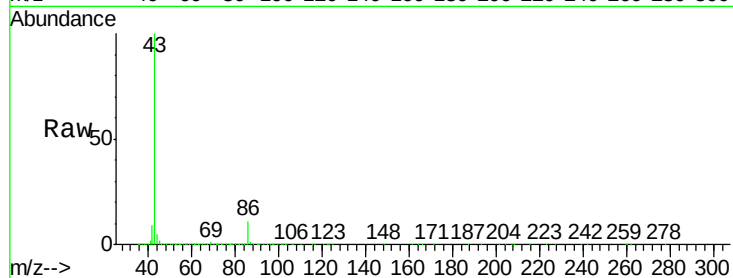
Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1

Manual Integrations
APPROVED

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2/12/2019 12:15:57 PM



#24

1,1-Dichloroethane

Concen: 48.583 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

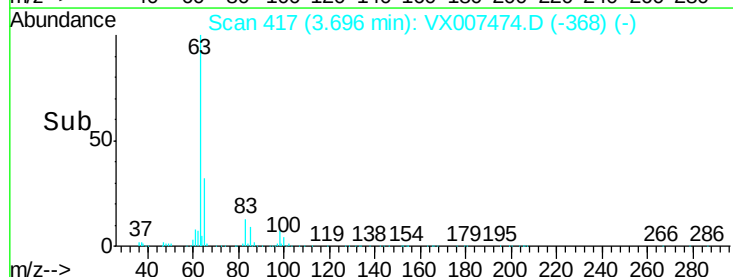
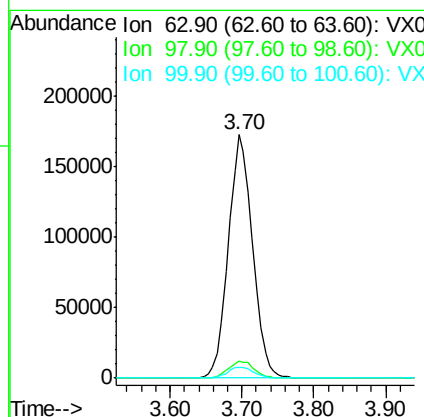
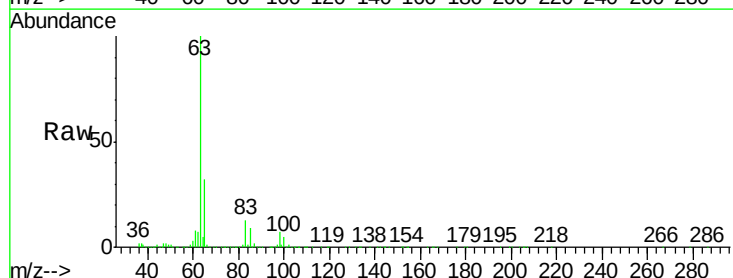
Tgt Ion: 63 Resp: 404564

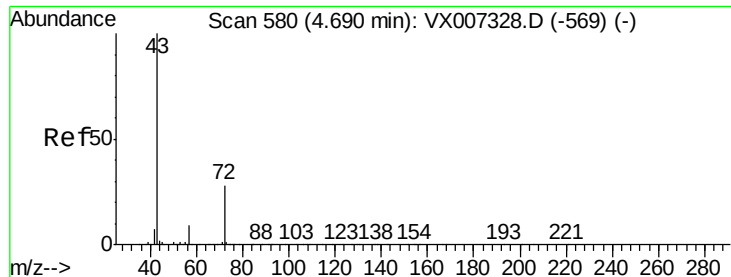
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 255.810 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 43 Resp: 896903

Ion Ratio Lower Upper

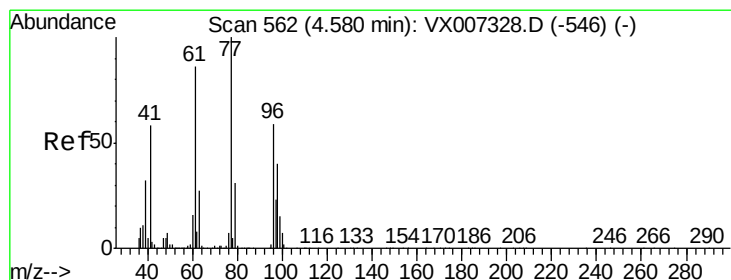
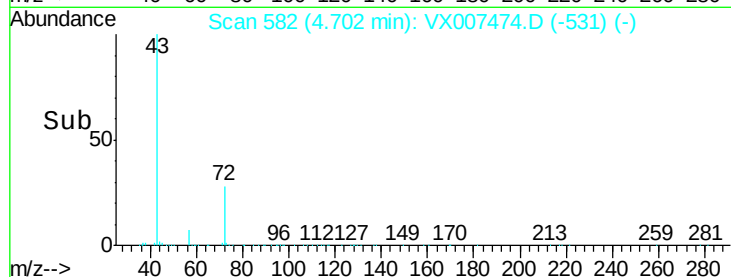
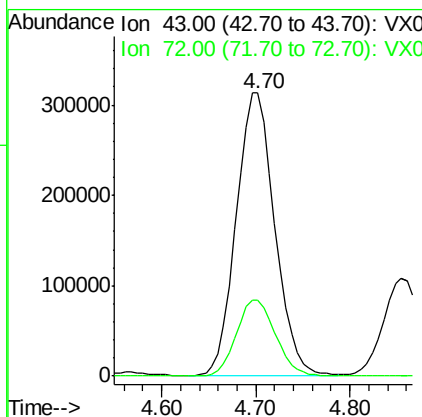
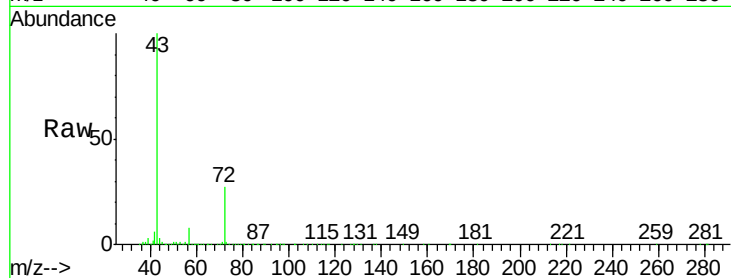
43 100

72 27.0 22.2 33.2

Manual Integrations
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MMDadoda

2/12/2019 12:15:57 PM



#26

2,2-Dichloropropane

Concen: 44.778 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007474.D

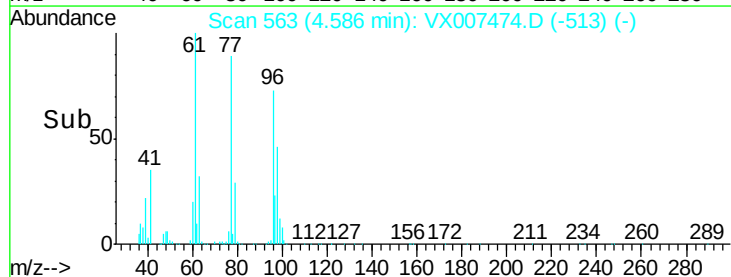
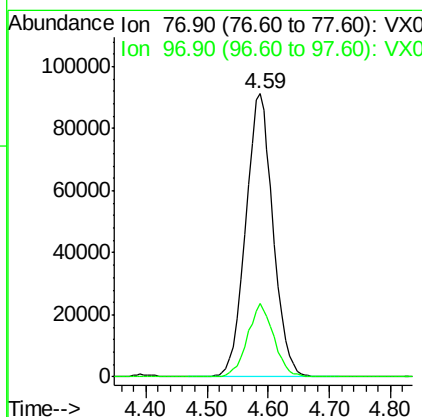
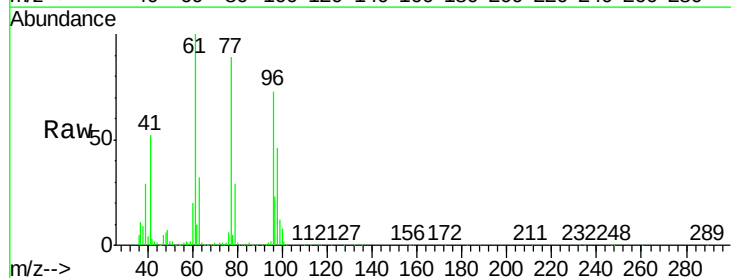
Acq: 11 Feb 2019 17:59

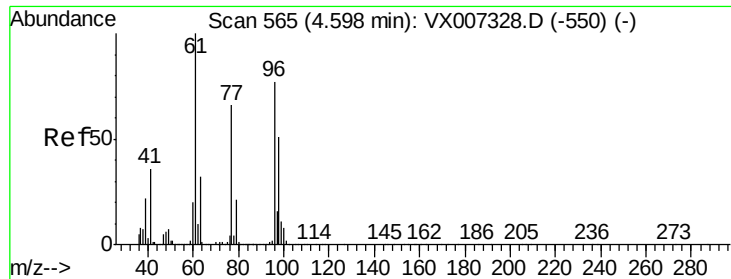
Tgt Ion: 77 Resp: 283967

Ion Ratio Lower Upper

77 100

97 25.0 12.1 36.3





#27

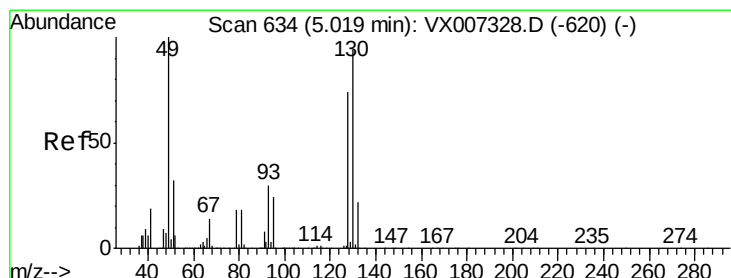
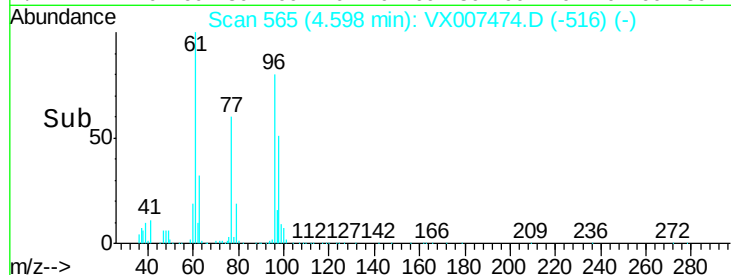
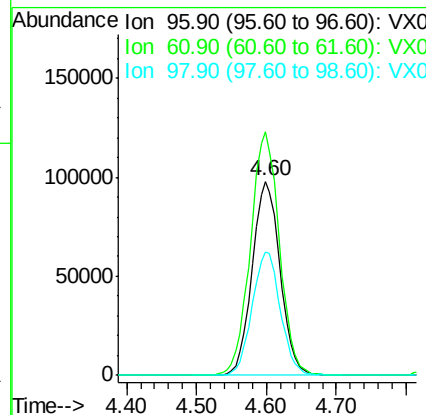
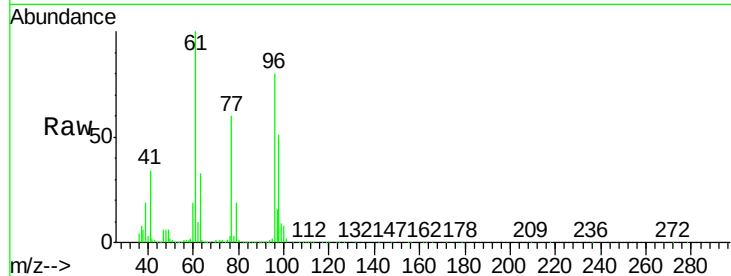
cis-1,2-Dichloroethene
Concen: 48.215 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	271411		
61	130.0	0.0	265.6	
98	64.1	0.0	131.6	

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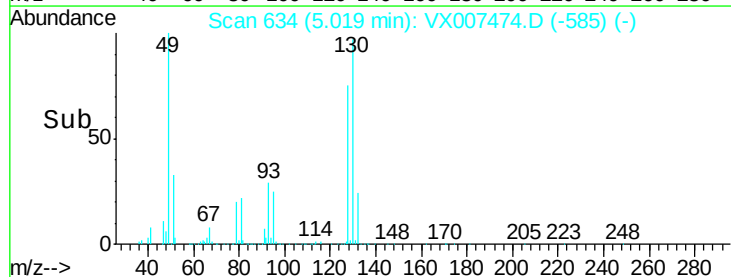
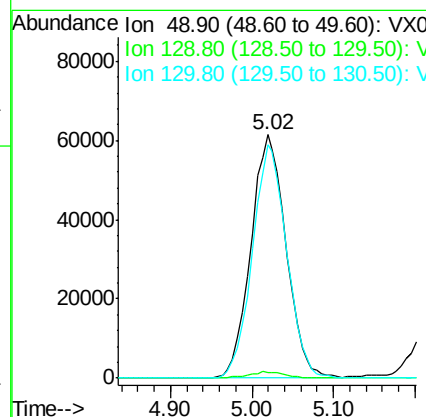
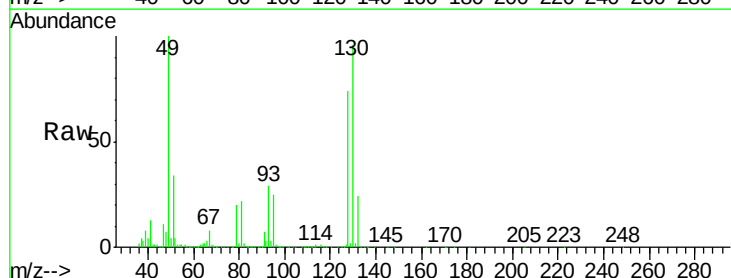
MMDadoda
2/12/2019 12:15:57 PM

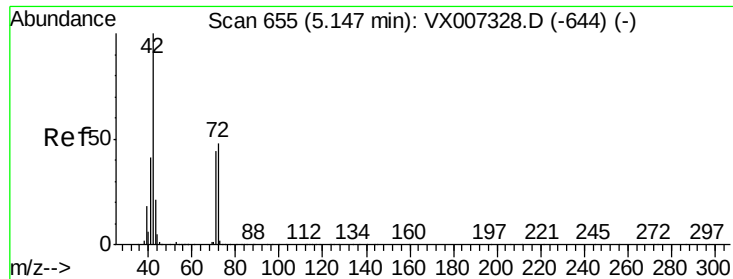


#28

Bromochloromethane
Concen: 47.806 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	183069		
129	2.6	0.0	5.6	
130	94.2	75.6	113.4	





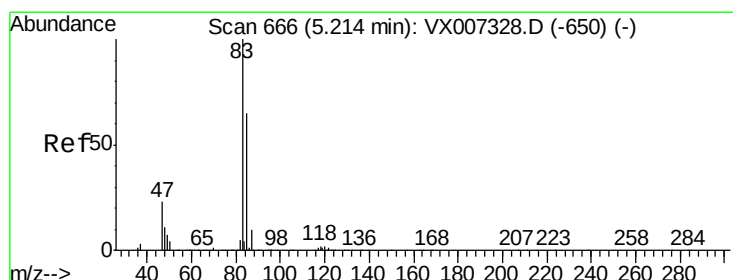
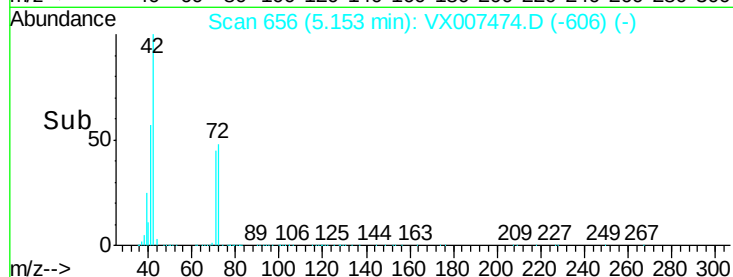
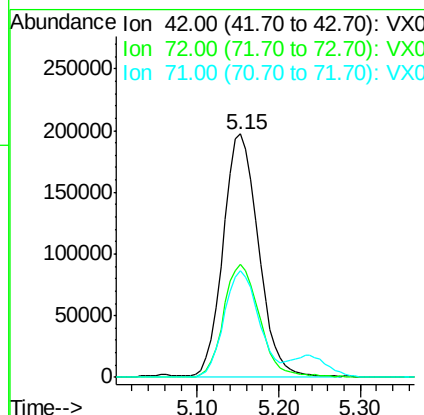
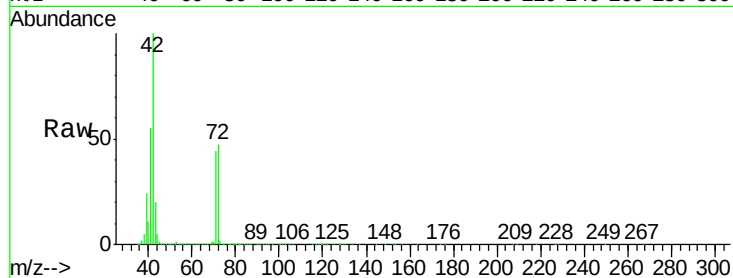
#29
Tetrahydrofuran
Concen: 266.598 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.6	56.4
71	43.5	34.6	51.8

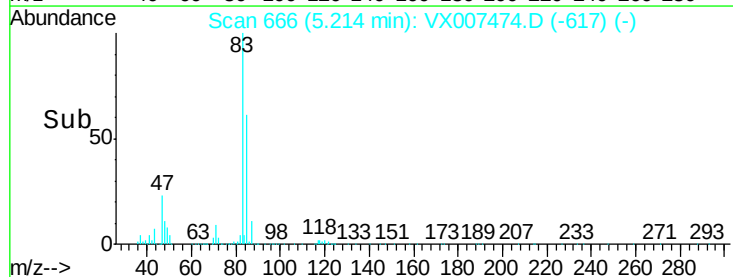
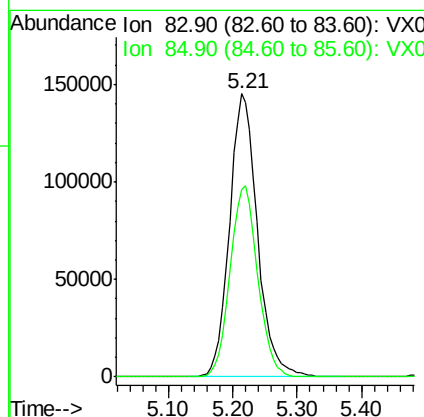
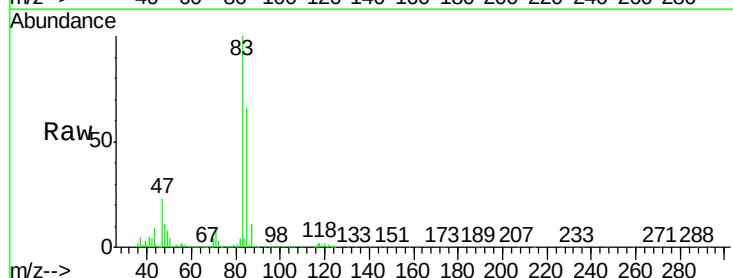
Manual Integrations
APPROVED

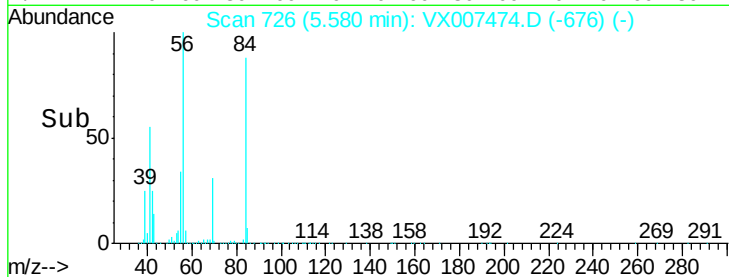
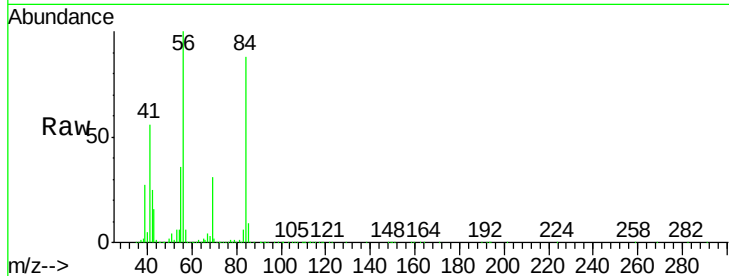
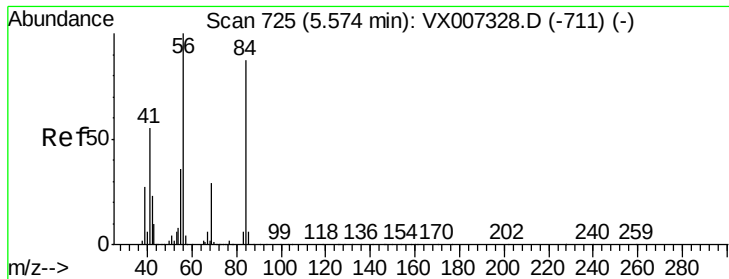
MMDadoda
2/12/2019 12:15:57 PM



#30
Chloroform
Concen: 50.868 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.6	77.4





#31

Cyclohexane

Concen: 81.264 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007474.D

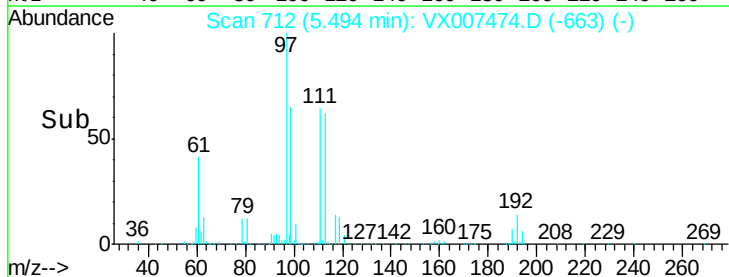
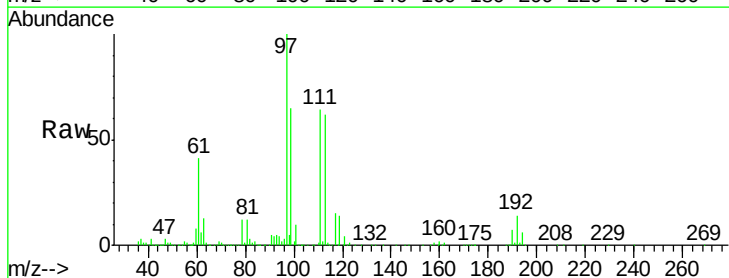
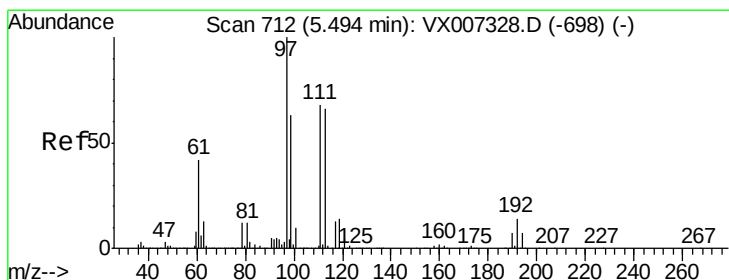
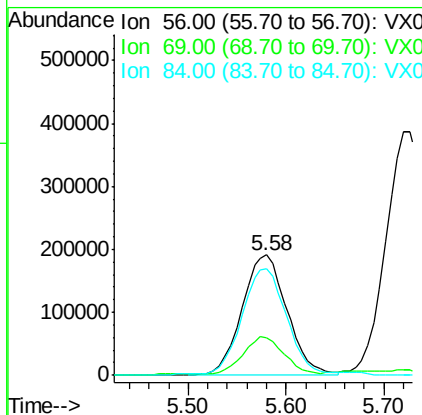
Acq: 11 Feb 2019 17:59

Tot Ion	56	Resp	607773
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.0	34.6
84	87.2	69.8	104.6

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.989 ug/l

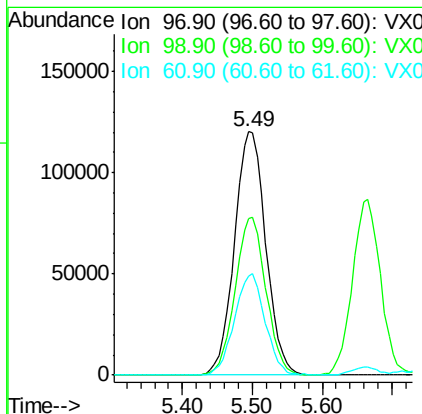
RT: 5.49 min Scan# 712

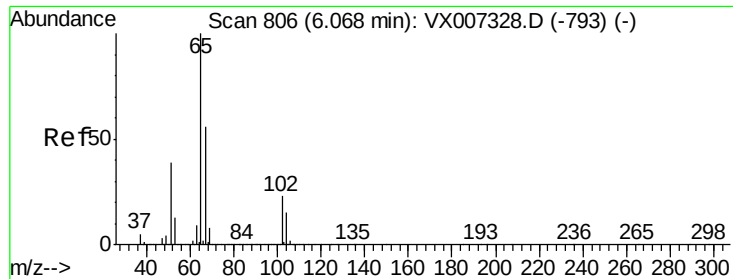
Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion	97	Resp	373994
Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.2	78.2
61	40.8	32.7	49.1





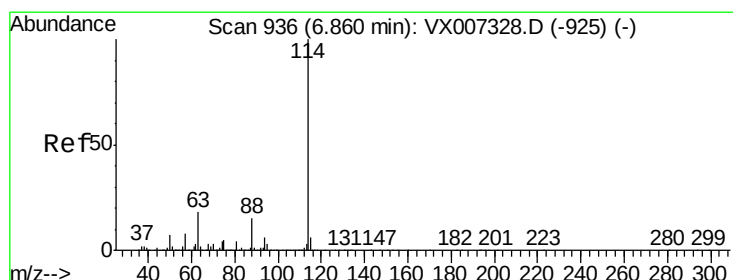
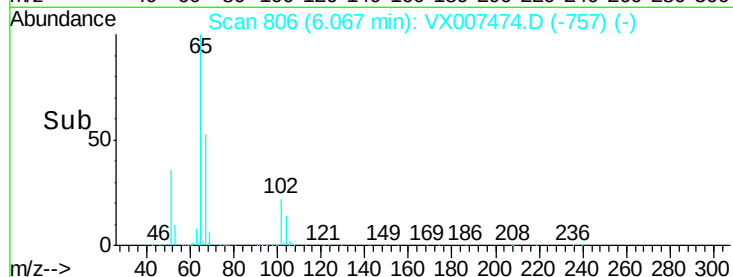
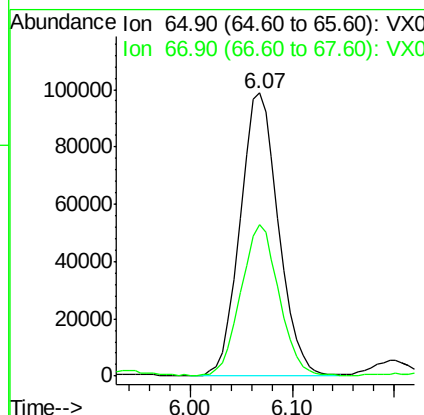
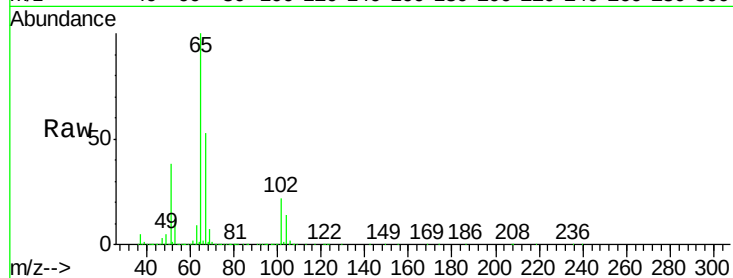
#33
 1,2-Dichloroethane-d4
 Concen: 47.792 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	108.8

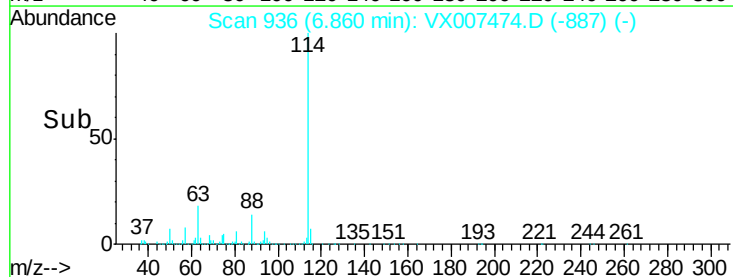
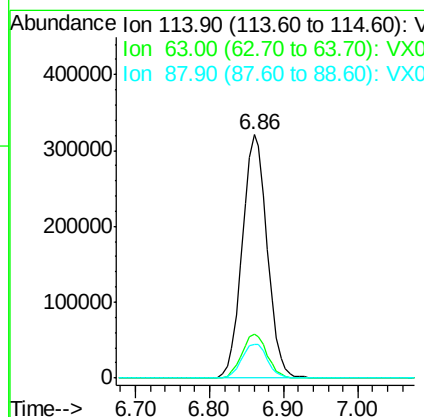
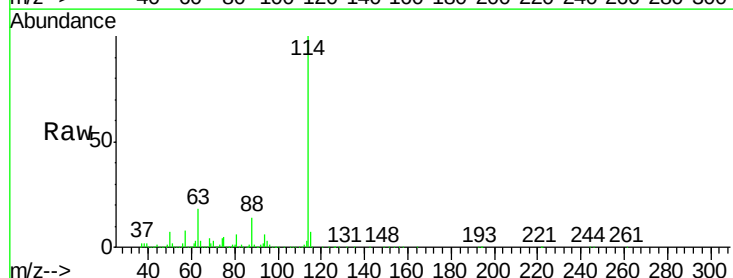
Manual Integrations
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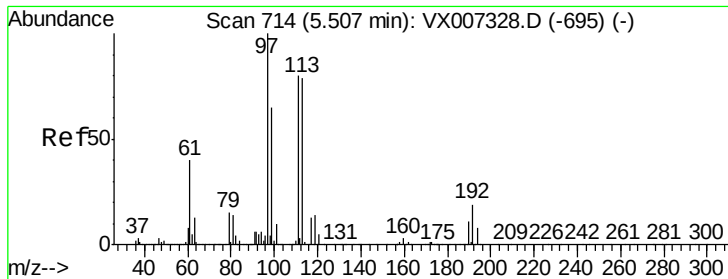
MMDadoda
 2/12/2019 12:15:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.6
88	13.8	0.0	29.6





#35

Dibromofluoromethane

Concen: 48.659 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

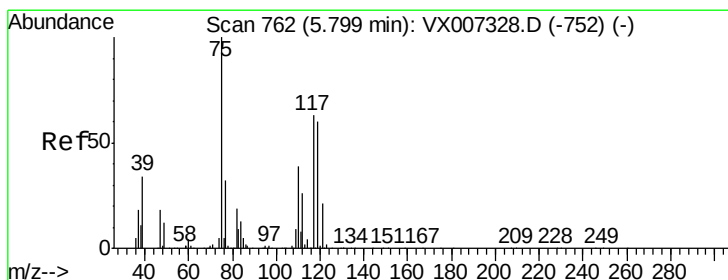
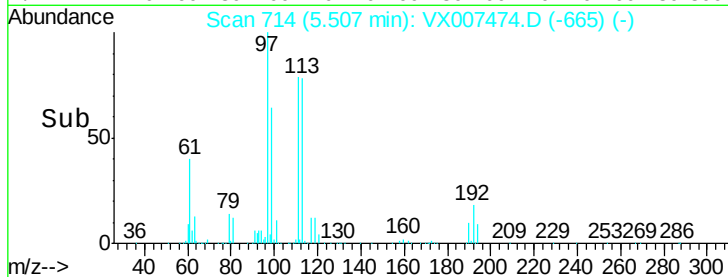
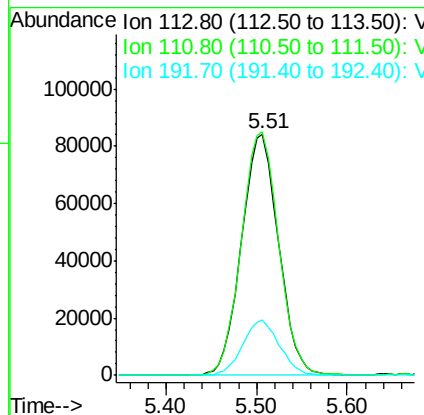
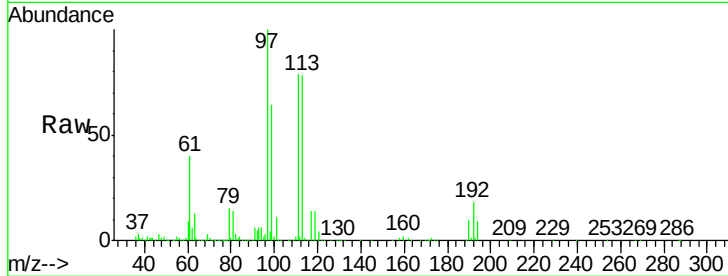
ClientSampleId :

KY001MW020-190207MSD

Tot Ion:	113	Resp:	238576
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.8	122.8
192	22.7	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.143 ug/l

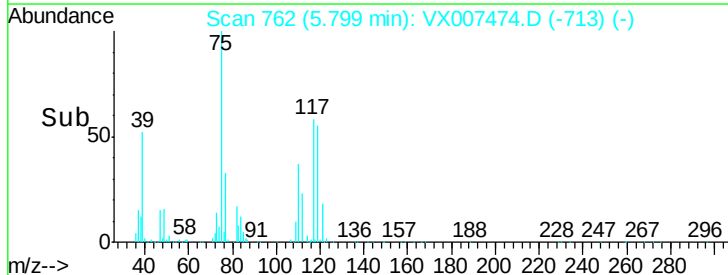
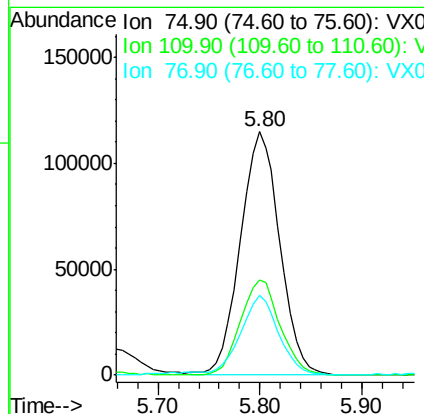
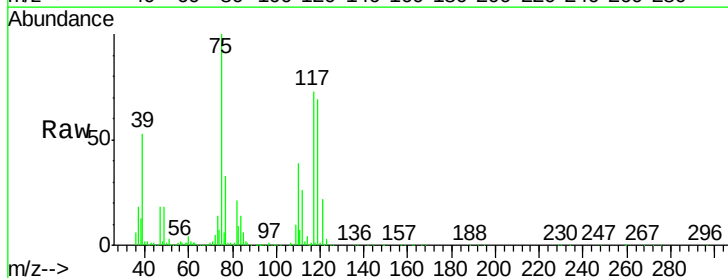
RT: 5.80 min Scan# 762

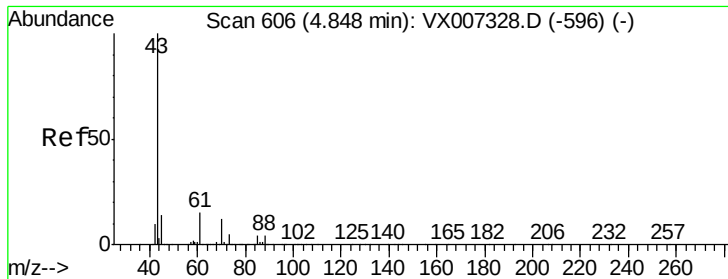
Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion:	75	Resp:	305215
Ion Ratio	Lower	Upper	
75	100		
110	40.0	20.0	59.9
77	31.6	24.7	37.1





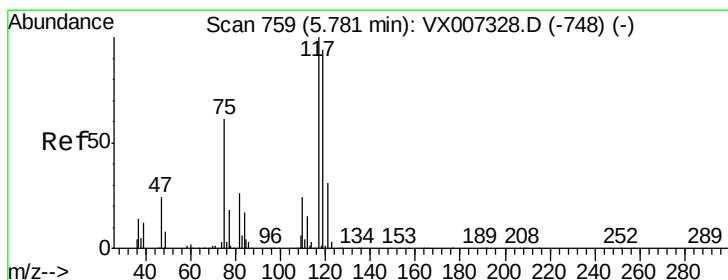
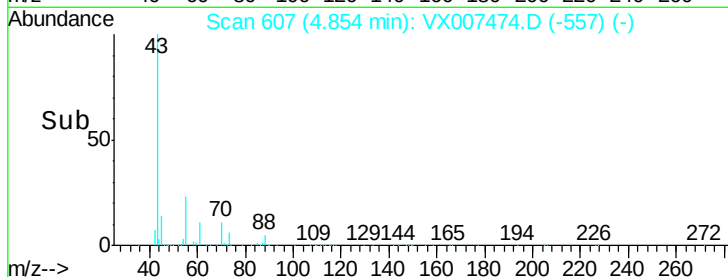
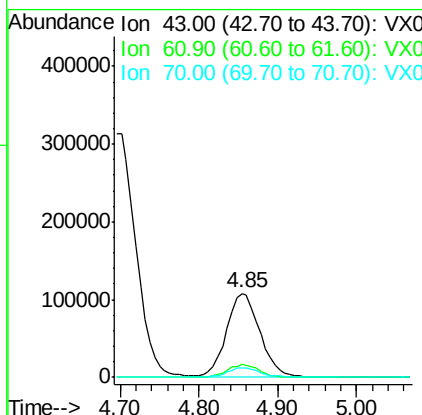
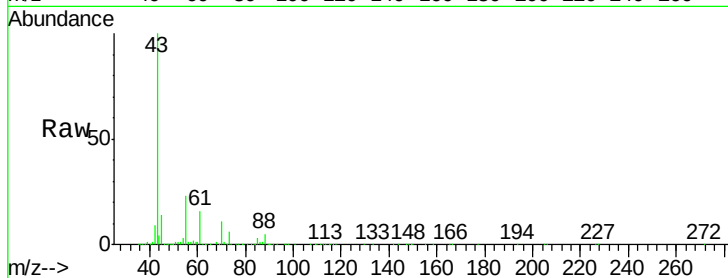
#37
Ethyl Acetate
Concen: 46.326 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion	43	Resp	316625
Ion Ratio	100	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	11.6	8.6	13.0

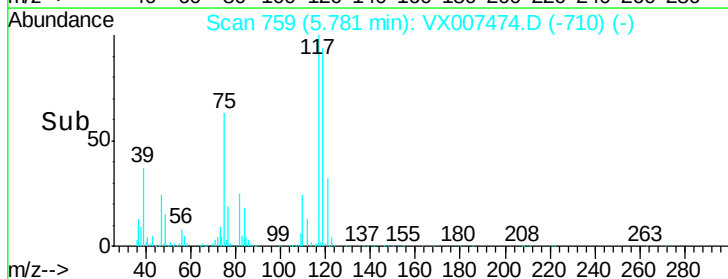
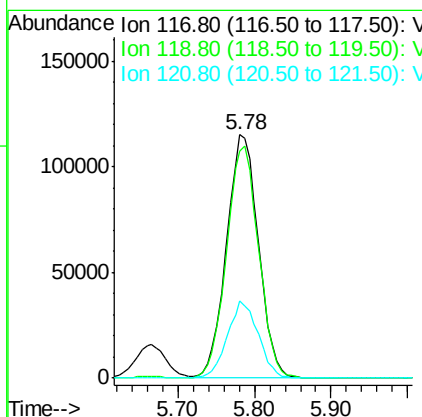
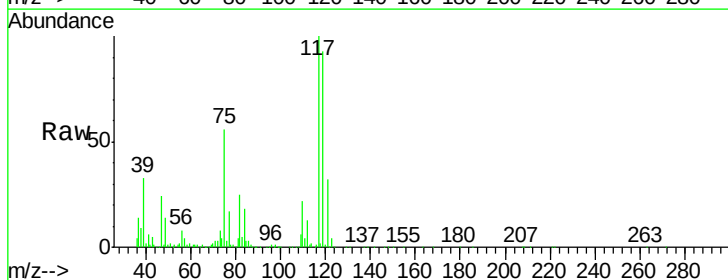
Manual Integrations
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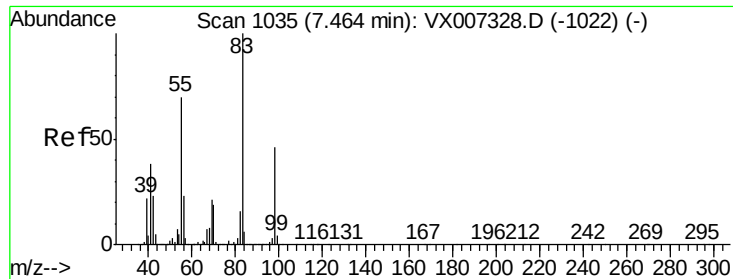
MMDadoda
2/12/2019 12:15:57 PM



#38
Carbon Tetrachloride
Concen: 50.624 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	117	Resp	332064
Ion Ratio	100	Lower	Upper
117	100		
119	93.4	75.3	112.9
121	31.7	25.0	37.4





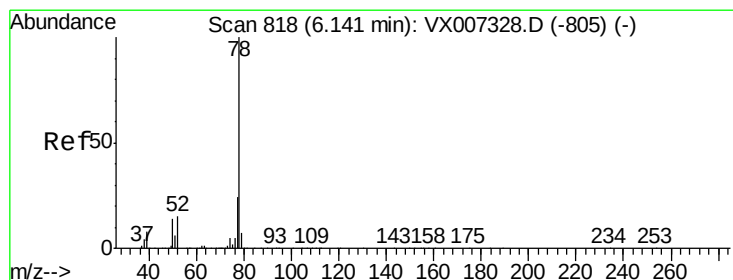
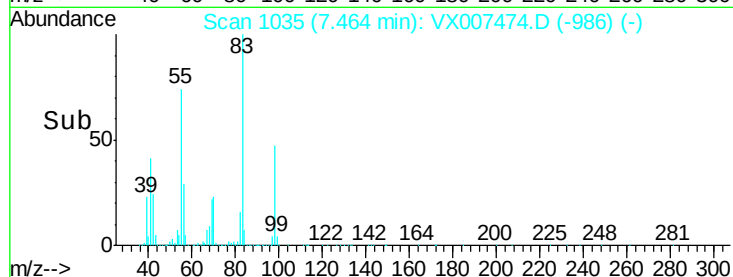
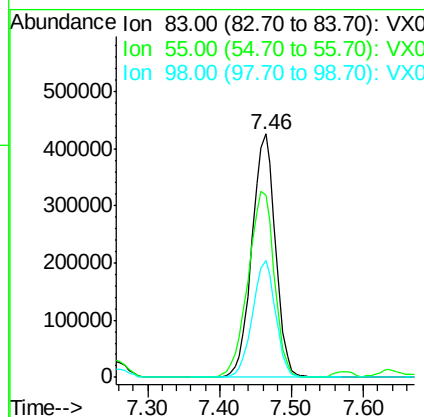
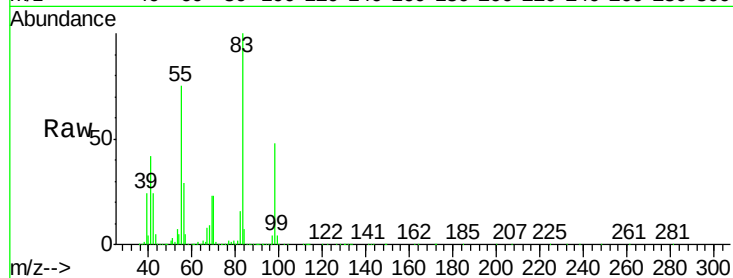
#39
Methvlcvclohexane
Concen: 118.057 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion	83	Resp	965740
Ion Ratio	Lower	Upper	
83	100		
55	74.7	56.2	84.2
98	47.7	36.8	55.2

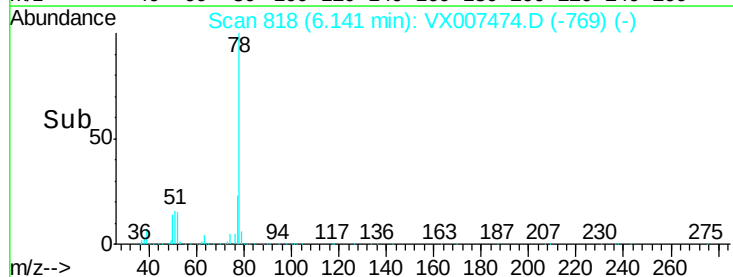
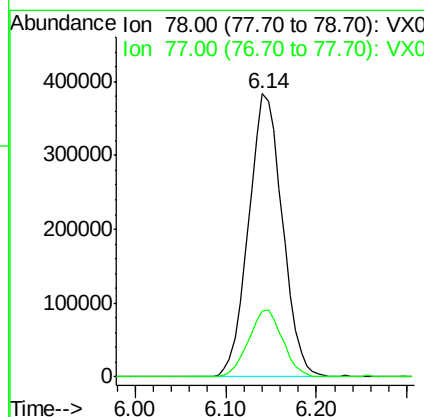
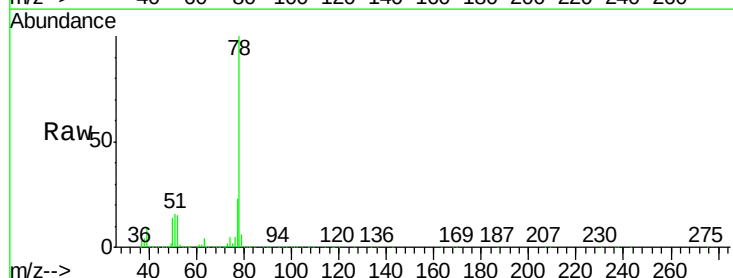
Manual Integrations
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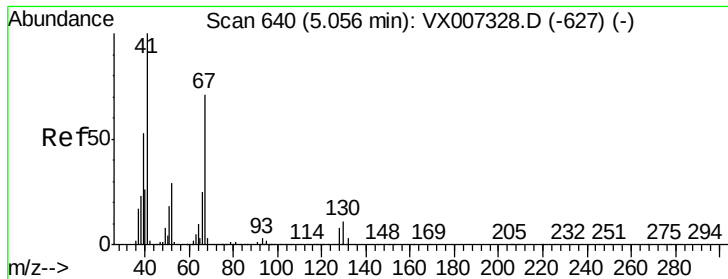
MMDadoda
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#40
Benzene
Concen: 49.690 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	78	Resp	989643
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.3	28.9





#41

Methacrylonitrile

Concen: 52.800 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

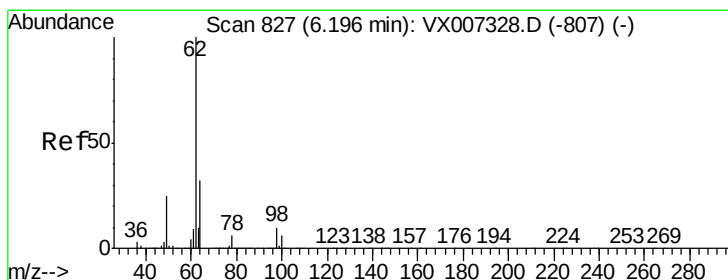
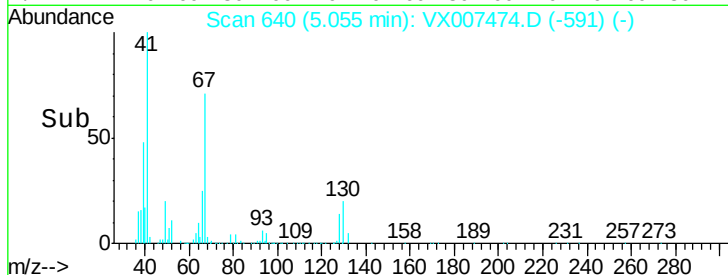
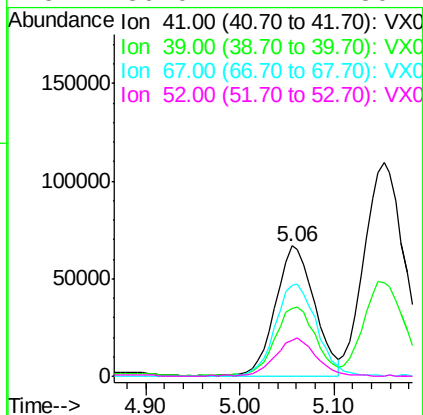
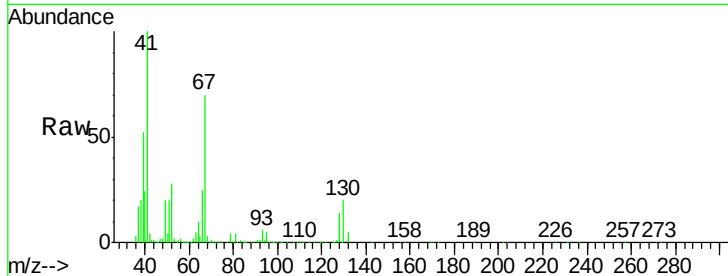
ClientSampleId :

KY001MW020-190207MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		193408		
39	55.3	44.5	66.7		
67	73.5	60.4	90.6		
52	30.0	24.1	36.1		

Manual Integrations
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MMDadoda
2/12/2019 12:15:57 PM



#42

1,2-Dichloroethane

Concen: 47.237 ug/l

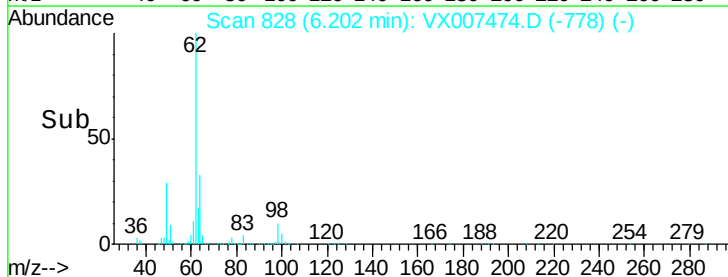
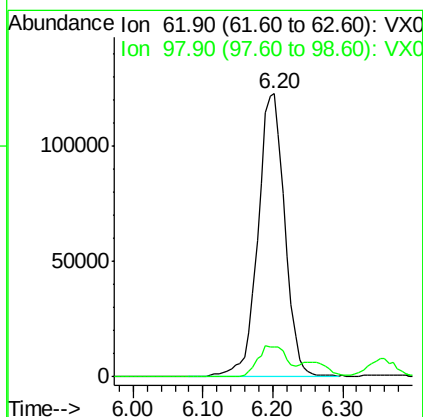
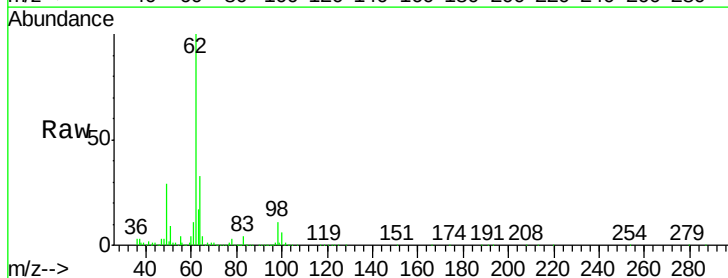
RT: 6.20 min Scan# 828

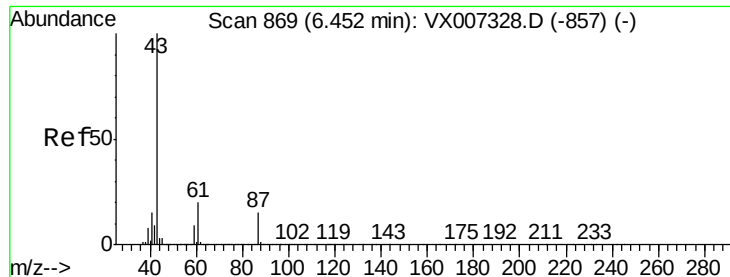
Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		325505		
98	12.0	0.0	19.0		





#43

Isopropyl Acetate

Concen: 53.350 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

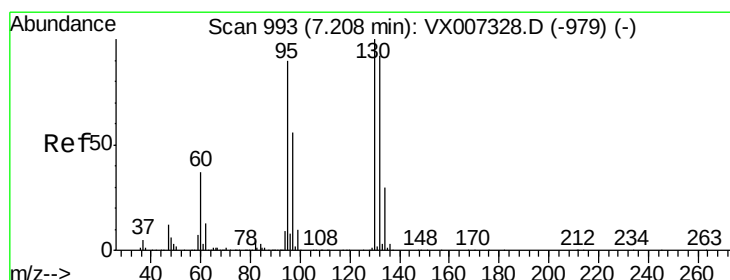
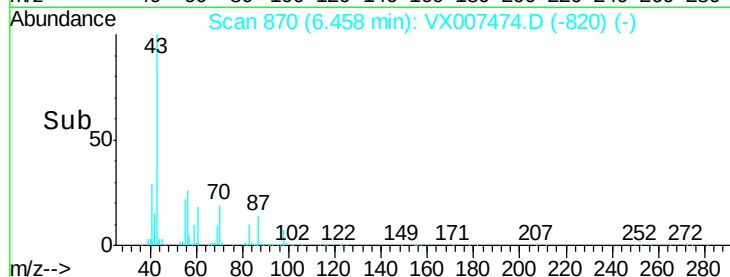
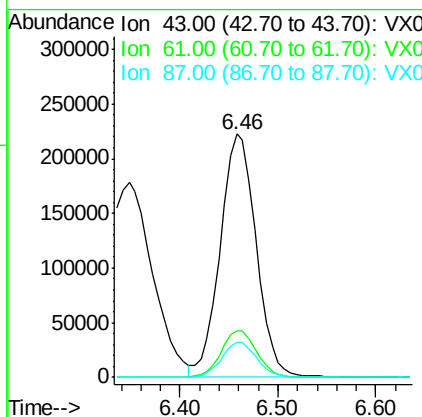
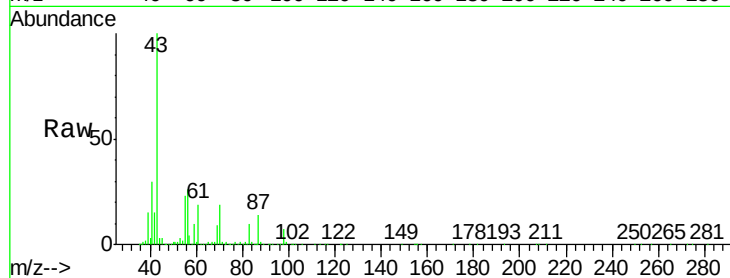
ClientSampleId :

KY001MW020-190207MSD

Tot Ion:	43	Resp:	562808
Ion	Ratio	Lower	Upper
43	100		
61	19.0	16.1	24.1
87	14.1	11.5	17.3

Manual Integrations
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2/12/2019 12:15:57 PM



#44

Trichloroethene

Concen: 45.978 ug/l

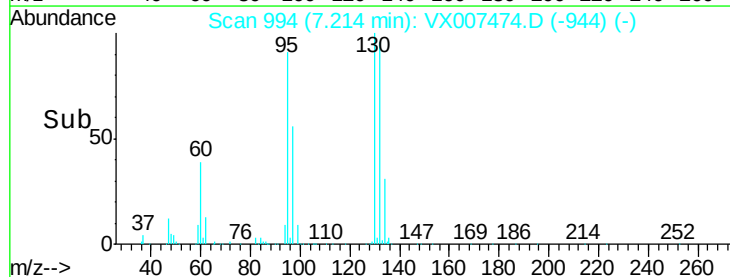
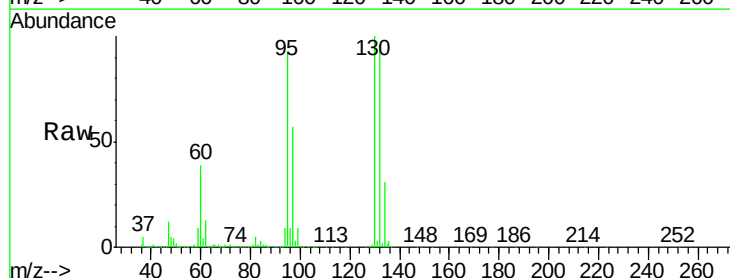
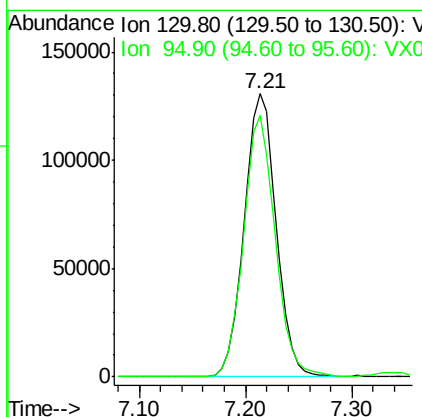
RT: 7.21 min Scan# 994

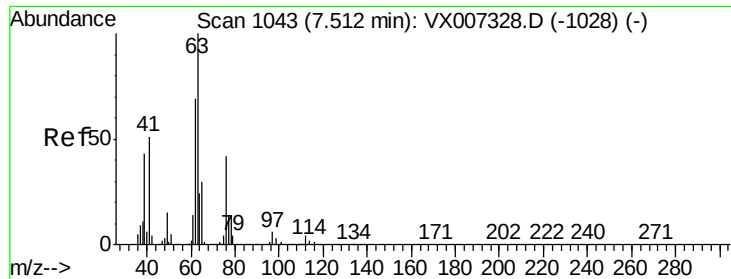
Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion:	130	Resp:	275789
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	180.0





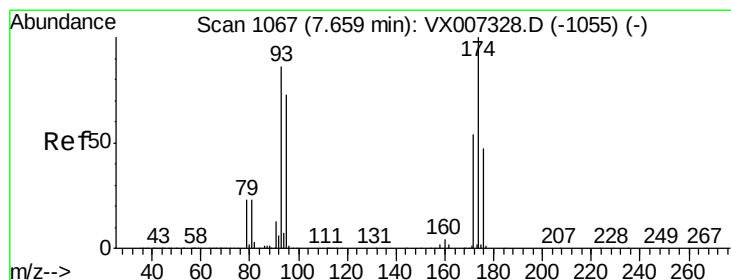
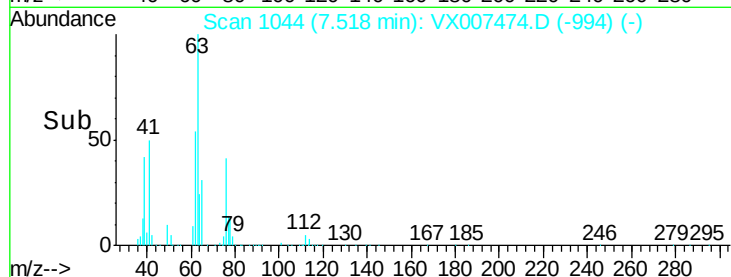
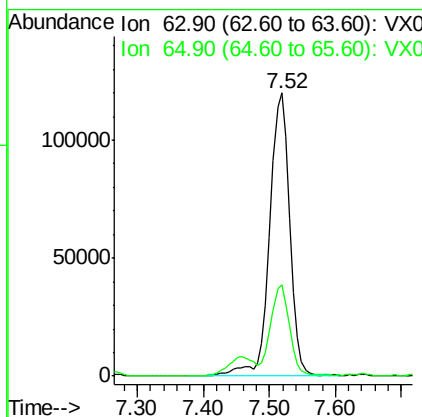
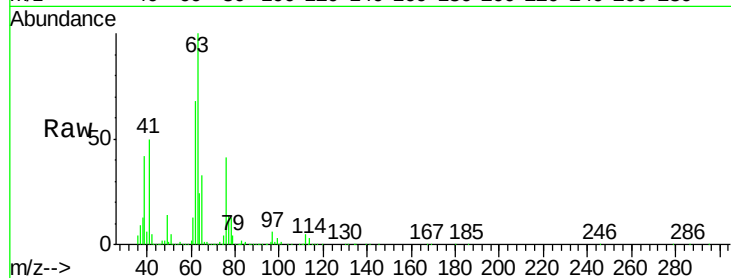
#45
 1,2-Dichloropropane
 Concen: 50.802 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.2	36.2

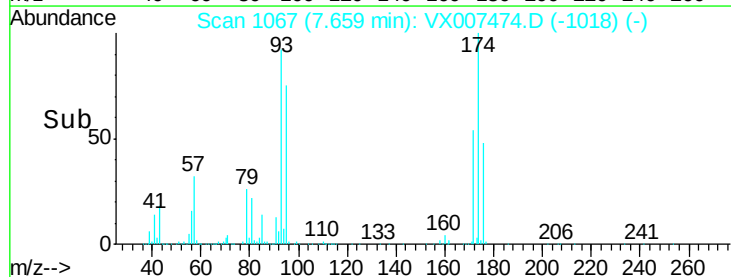
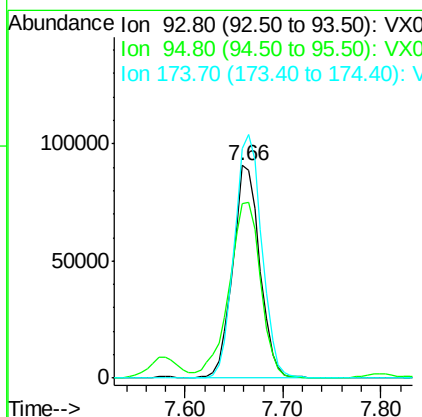
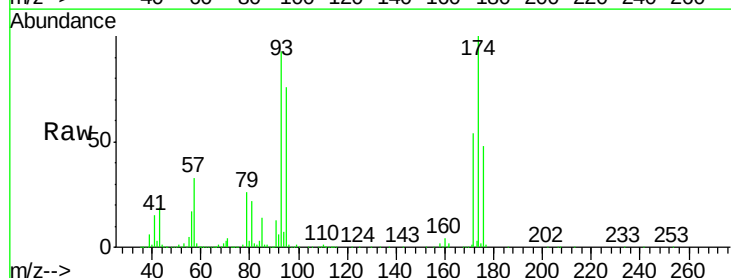
Manual Integrations
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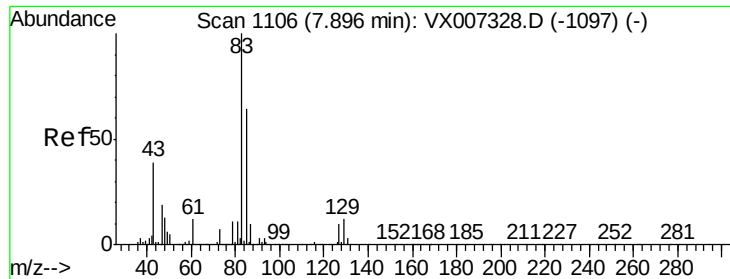
MMDadoda
 2/12/2019 12:15:57 PM



#46
 Dibromomethane
 Concen: 47.972 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	96.4	67.6	101.4
174	116.8	94.2	141.4





#47

Bromodichloromethane

Concen: 50.985 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

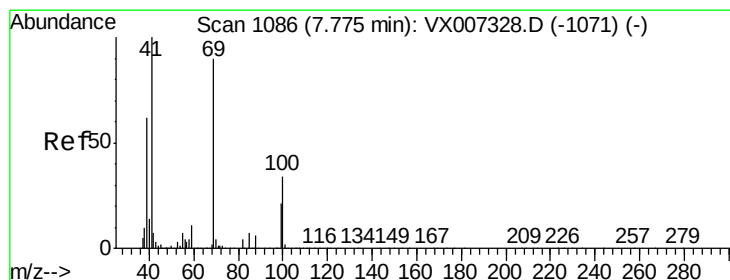
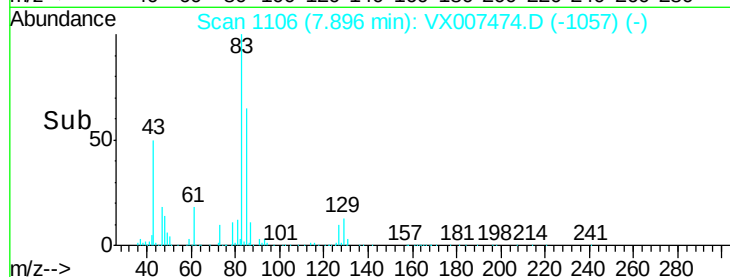
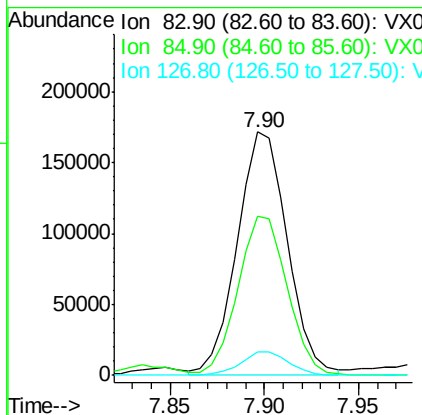
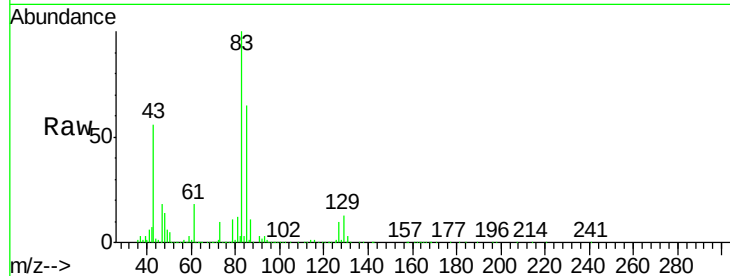
ClientSampleId :

KY001MW020-190207MSD

Tot Ion:	83	Resp:	313384
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.4	77.0
127	9.7	8.1	12.1

Manual Integrations
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MMDadoda
2/12/2019 12:15:57 PM



#48

Methyl methacrylate

Concen: 52.455 ug/l

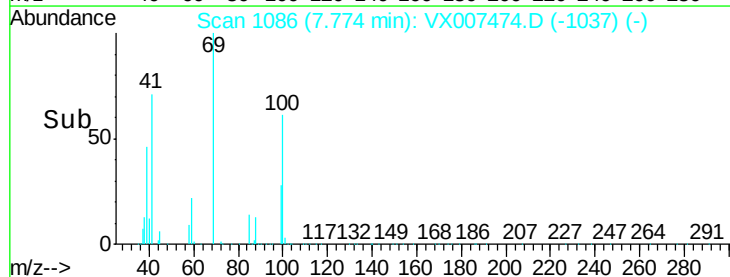
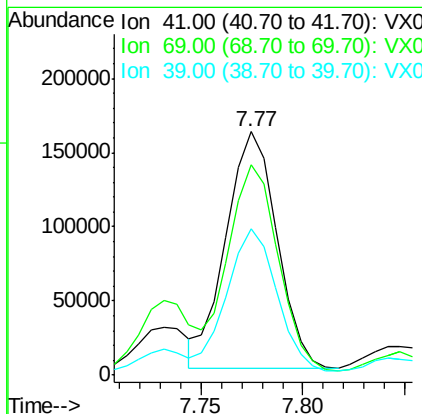
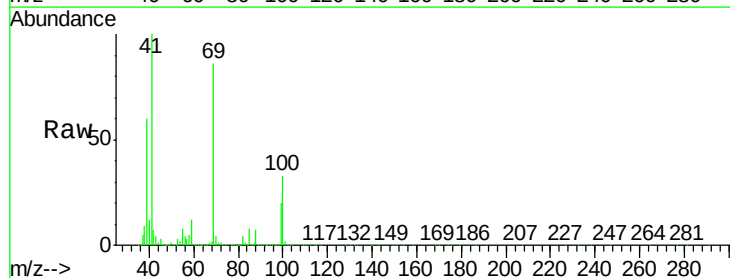
RT: 7.77 min Scan# 1086

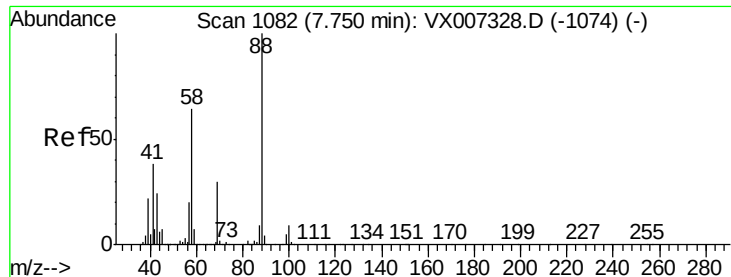
Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion:	41	Resp:	276792
Ion Ratio	Lower	Upper	
41	100		
69	89.1	70.2	105.4
39	59.2	47.4	71.0





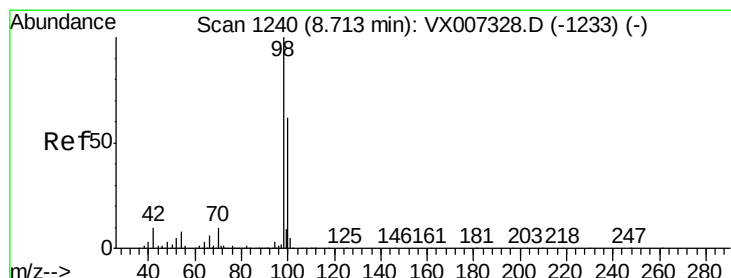
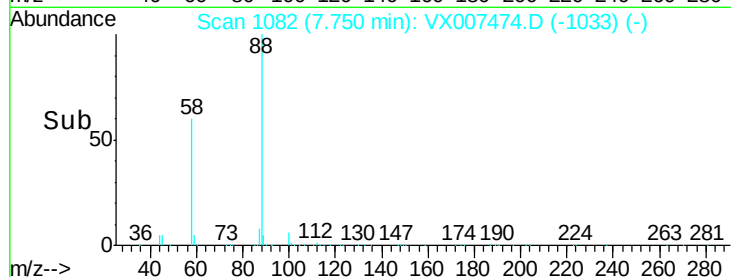
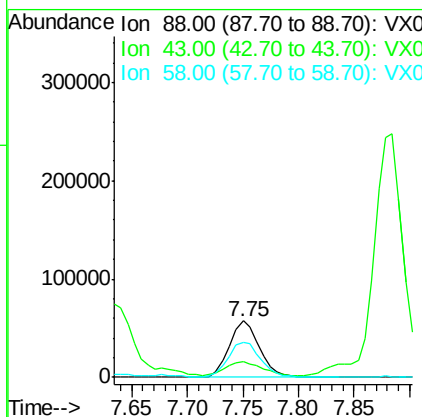
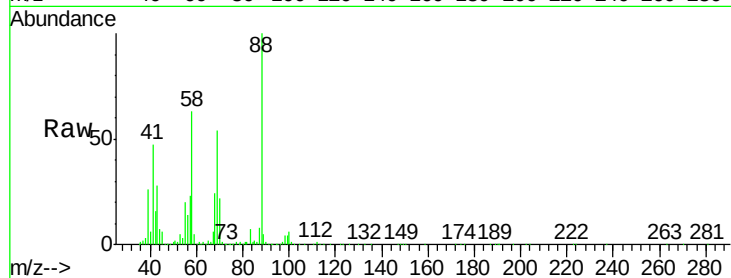
#49
1,4-Dioxane
Concen: 901.523 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100	108104		
43	31.4	24.2	36.4	
58	67.5	53.0	79.4	

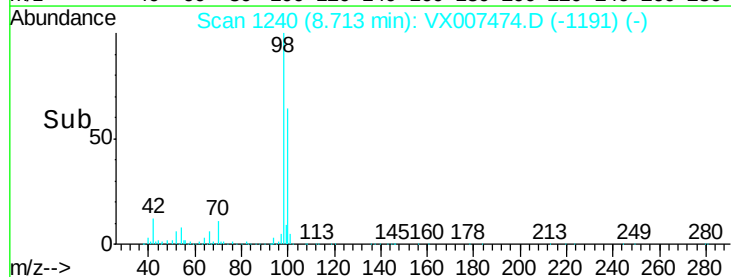
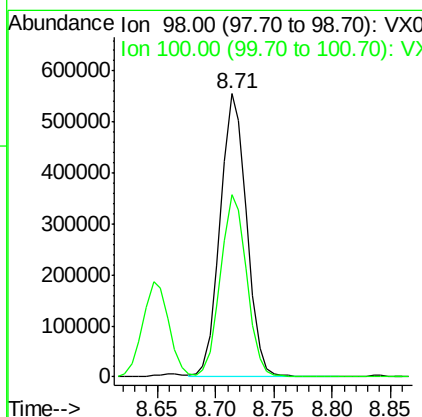
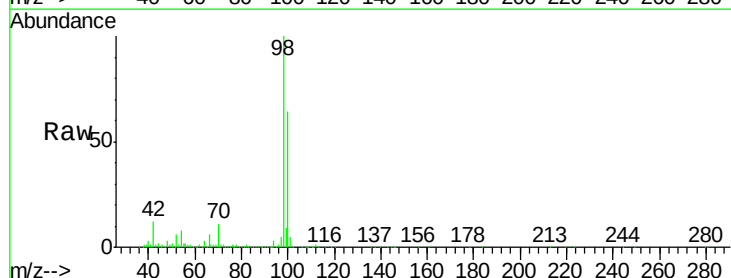
Manual Integrations
APPROVED

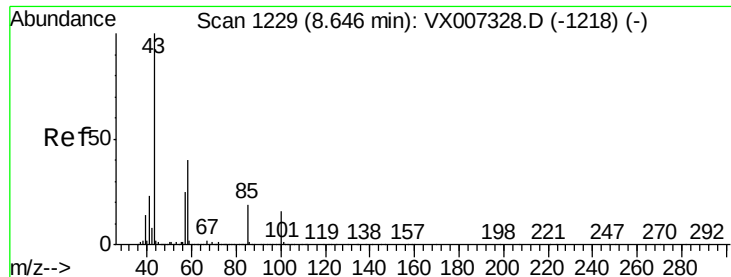
MMDadoda
2/12/2019 12:15:57 PM



#50
Toluene-d8
Concen: 47.841 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	870285		
100	64.2	51.6	77.4	





#51

4-Methyl-2-Pentanone

Concen: 264.476 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 43 Resp: 1836715

Ion Ratio Lower Upper

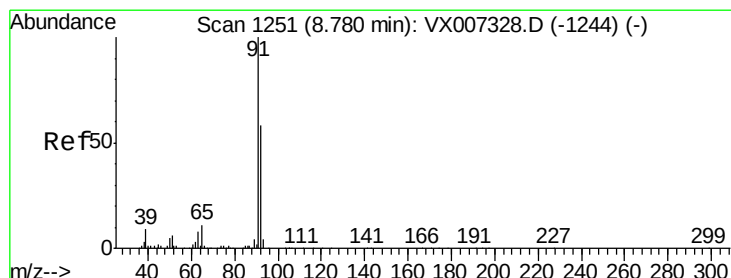
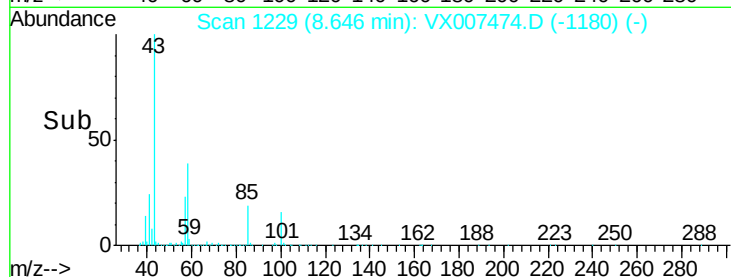
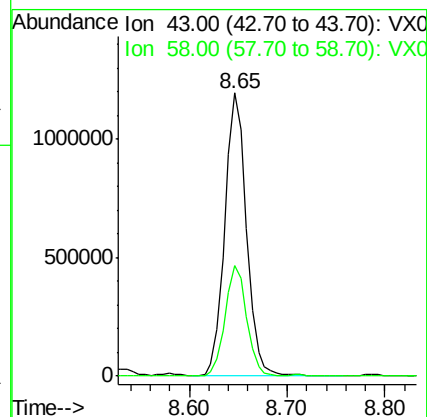
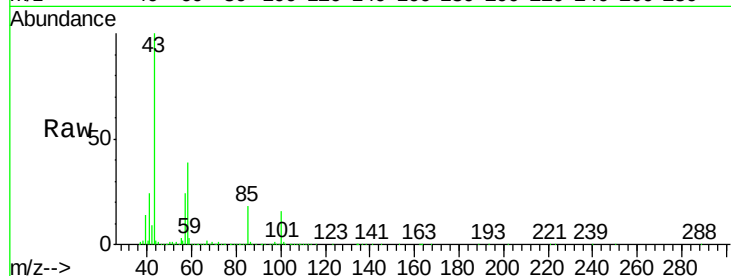
43 100

58 38.8 31.2 46.8

Manual Integrations
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#52

Toluene

Concen: 49.307 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007474.D

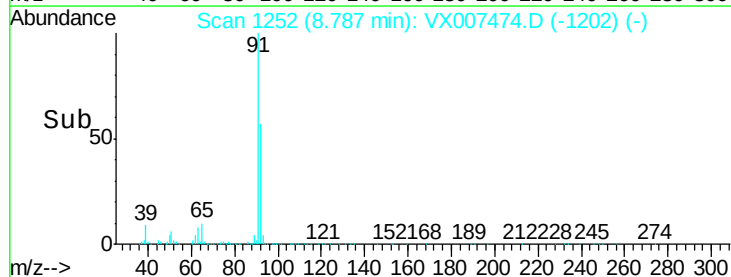
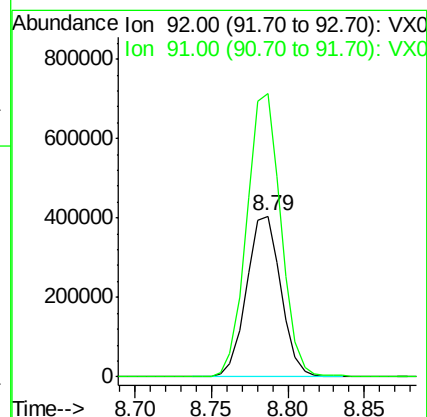
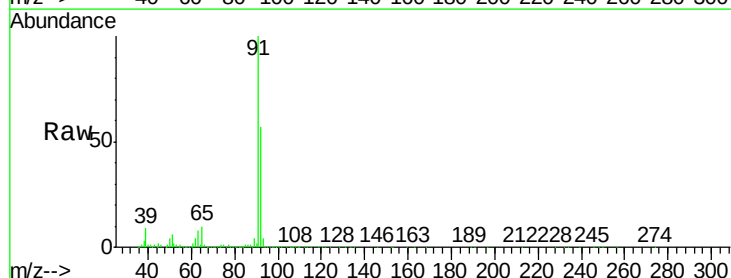
Acq: 11 Feb 2019 17:59

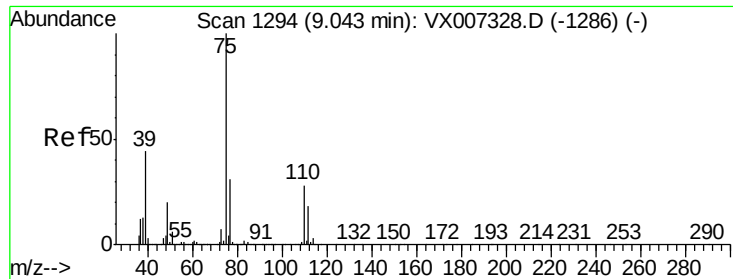
Tgt Ion: 92 Resp: 633580

Ion Ratio Lower Upper

92 100

91 174.9 139.1 208.7





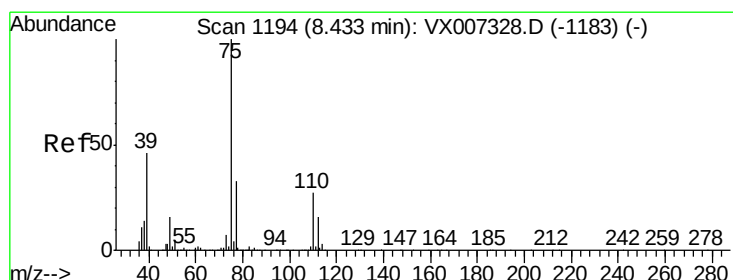
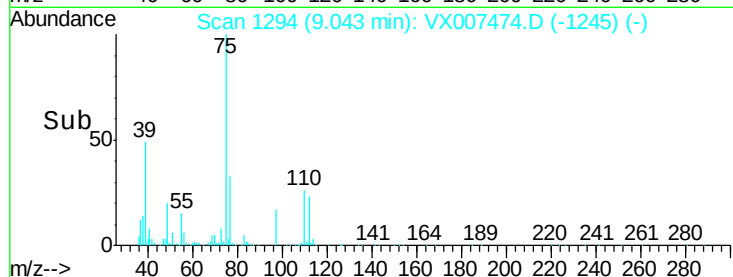
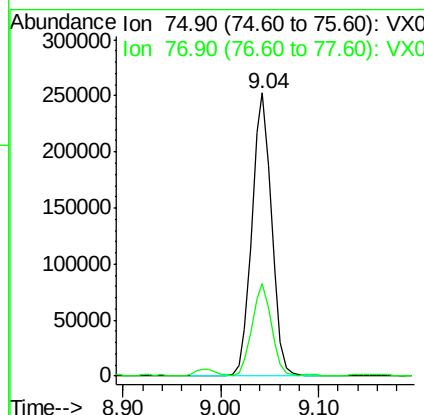
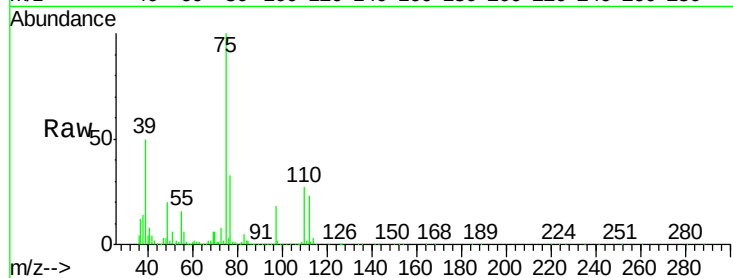
#53
t-1,3-Dichloropropene
Concen: 53.132 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.2	37.8

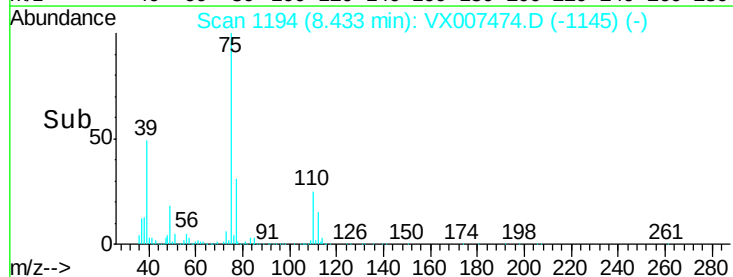
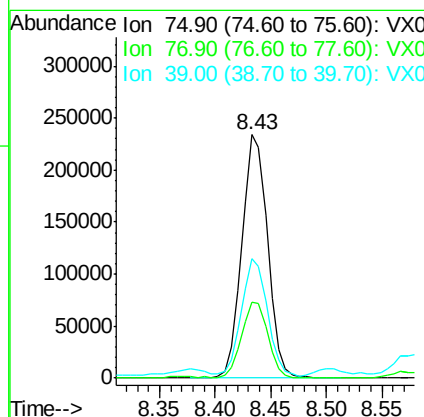
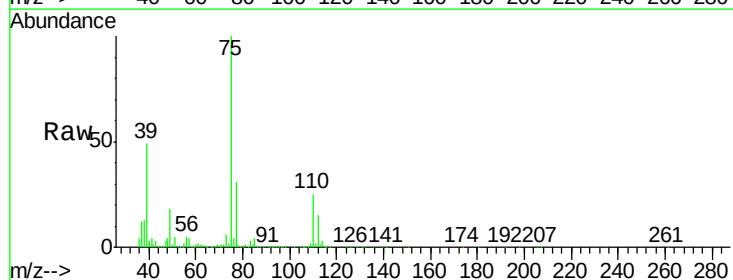
Manual Integrations
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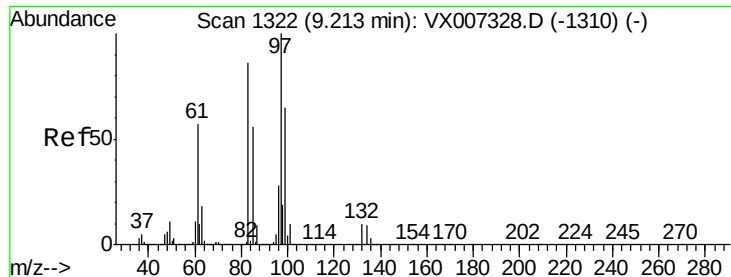
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.672 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.2	39.4
39	46.4	37.1	55.7





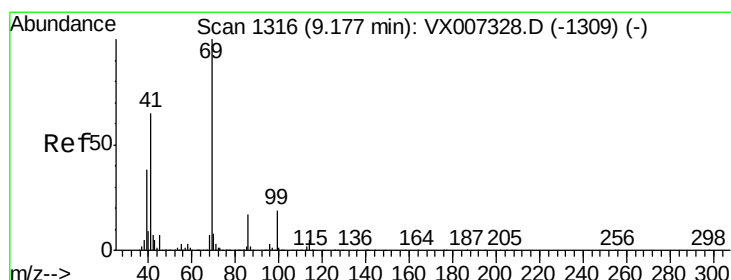
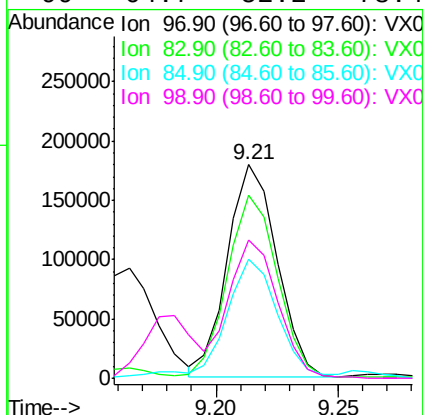
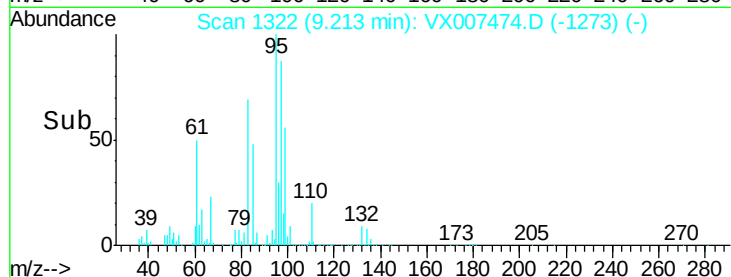
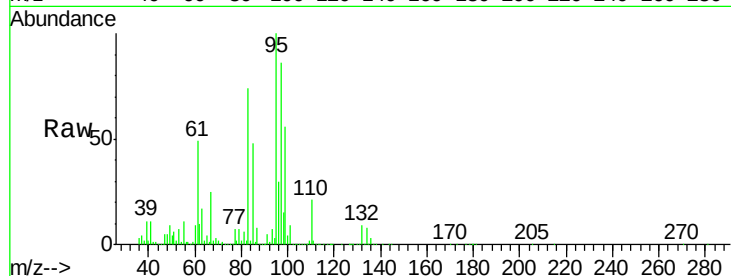
#55
 1,1,2-Trichloroethane
 Concen: 47.055 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		252041		
83	85.4	68.6	102.8		
85	54.2	44.5	66.7		
99	64.7	52.2	78.4		

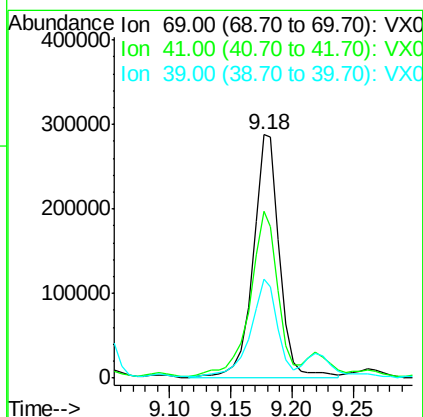
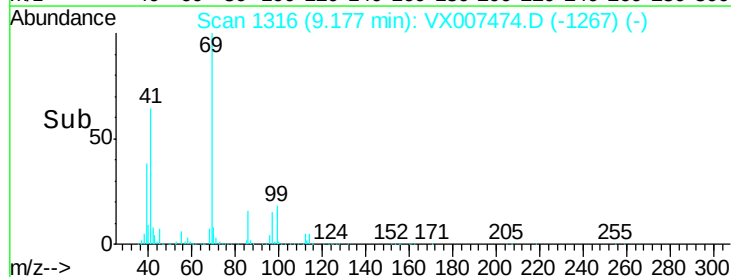
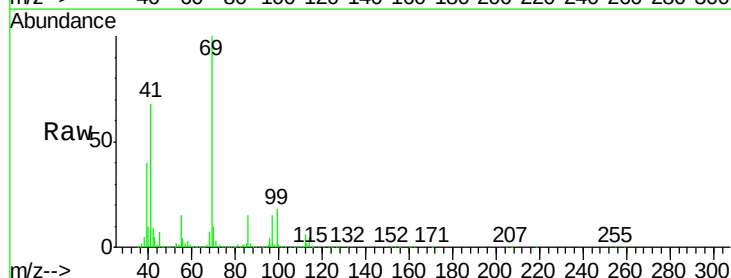
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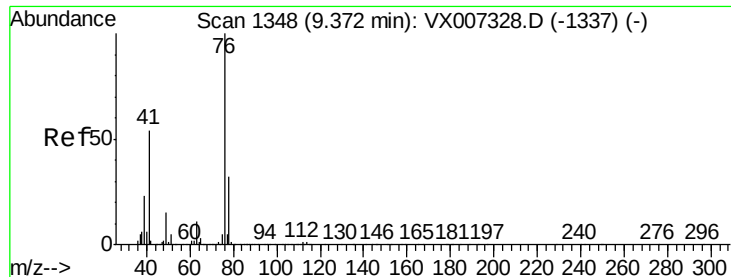
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 57.917 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		429662		
41	72.1	52.1	78.1		
39	41.4	30.1	45.1		





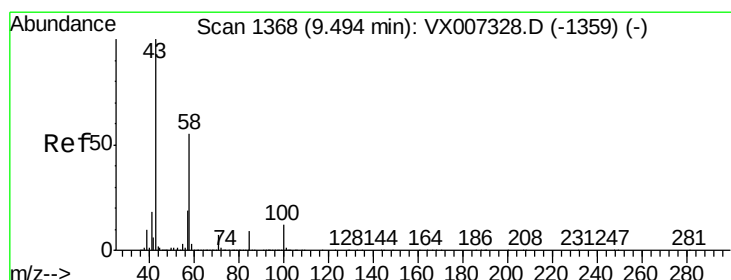
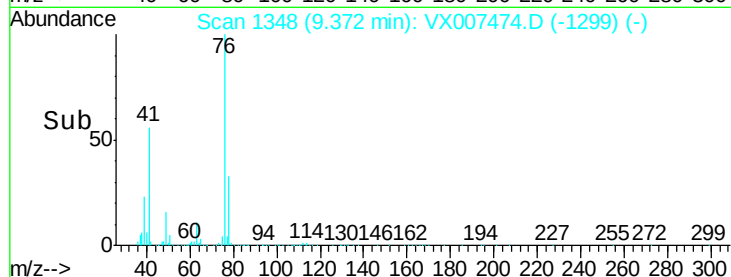
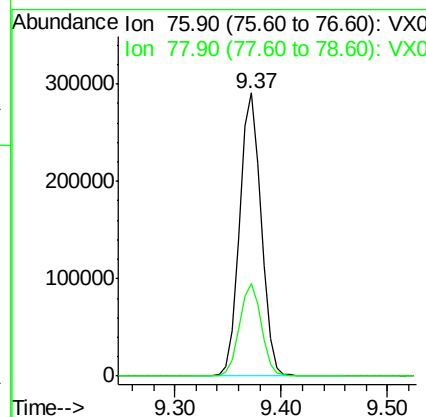
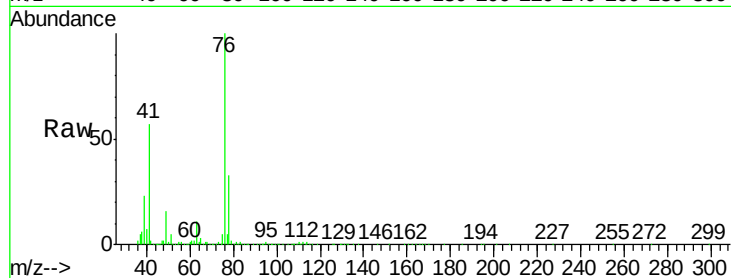
#57
 1,3-Dichloropropane
 Concen: 48.613 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

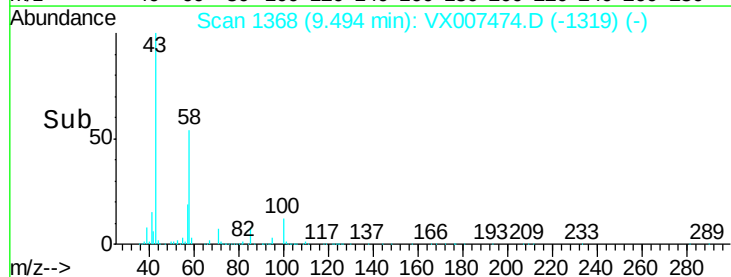
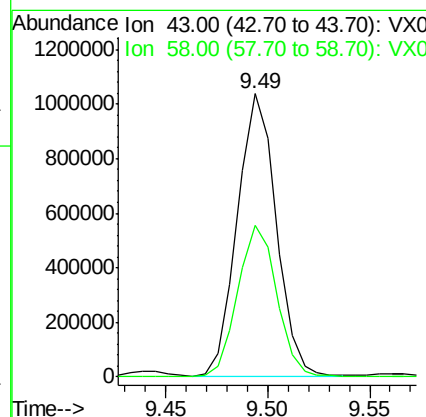
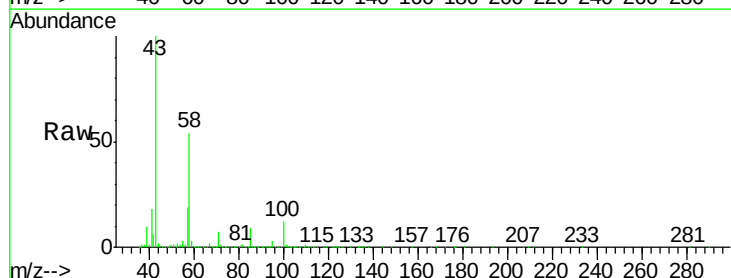
Manual Integrations
 APPROVED

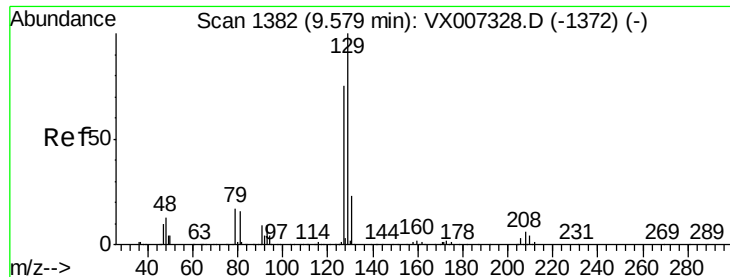
MMDadoda
 2/12/2019 12:15:57 PM



#59
 2-Hexanone
 Concen: 253.083 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.1	81.3





#60

Dibromochloromethane

Concen: 54.881 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion:129 Resp: 278019

Ion Ratio Lower Upper

129 100

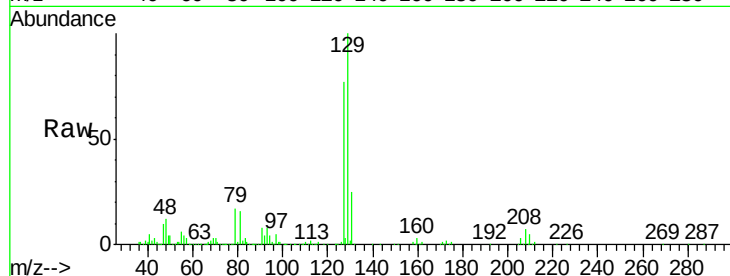
127 76.5 37.8 113.4

Manual Integrations

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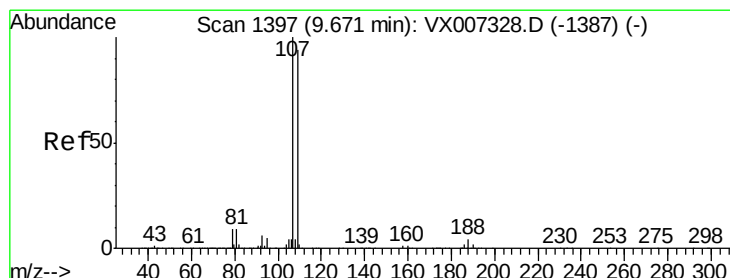
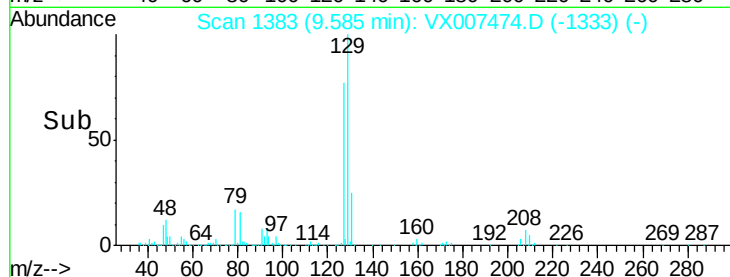
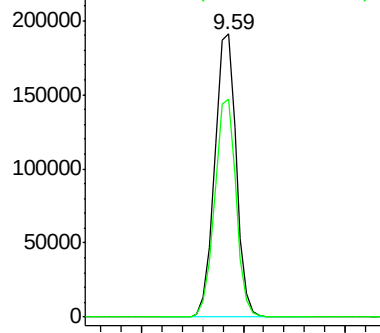
MMDadoda

2/12/2019 12:15:57 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.603 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007474.D

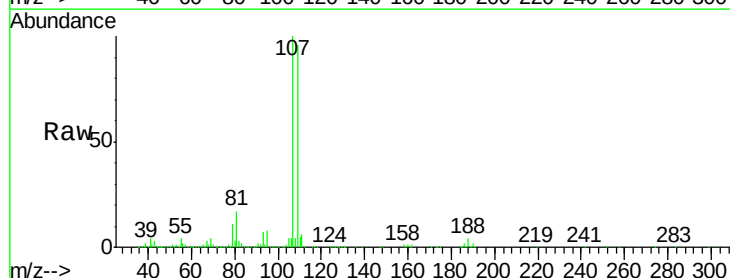
Acq: 11 Feb 2019 17:59

Tgt Ion:107 Resp: 281368

Ion Ratio Lower Upper

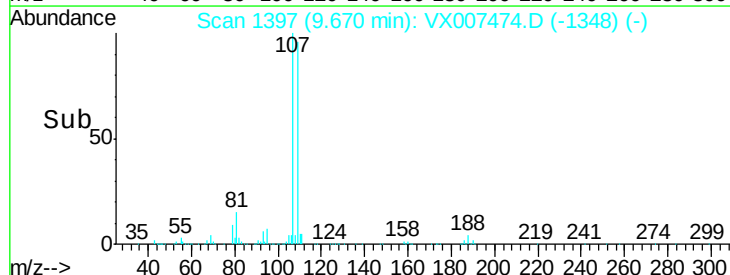
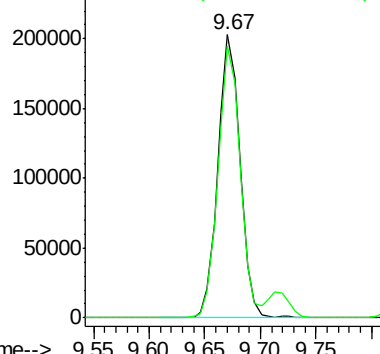
107 100

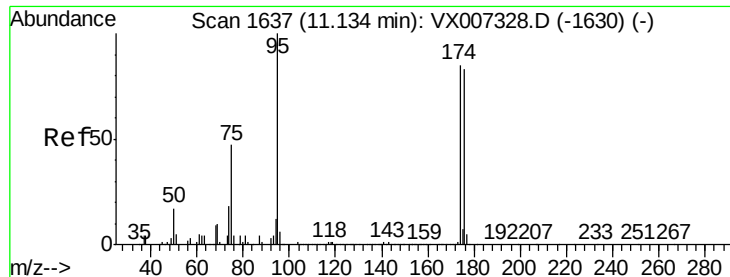
109 96.3 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.265 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

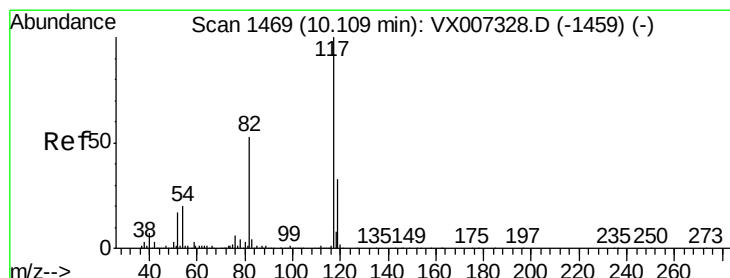
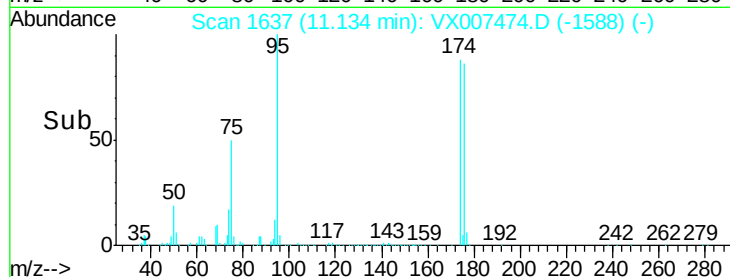
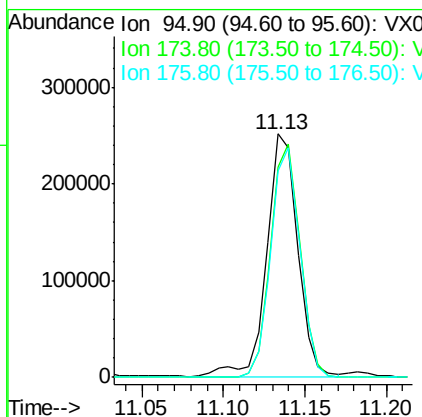
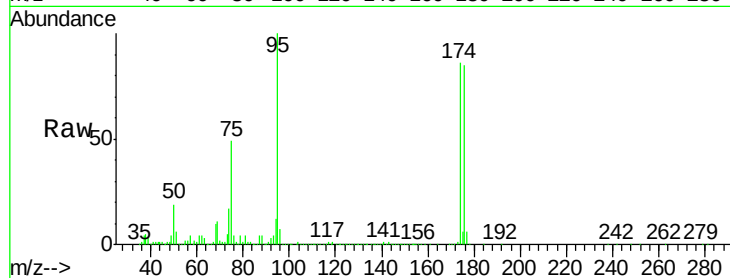
ClientSampleId :

KY001MW020-190207MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	327201		
174	91.4	0.0	189.2	
176	89.3	0.0	186.2	

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

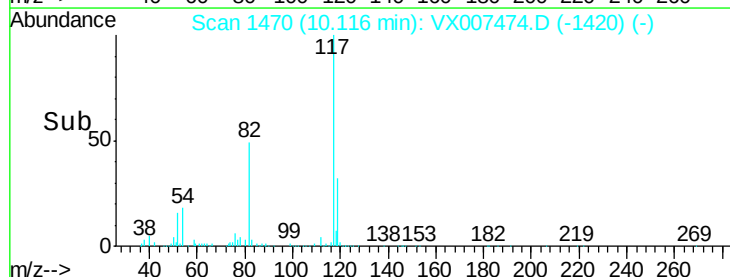
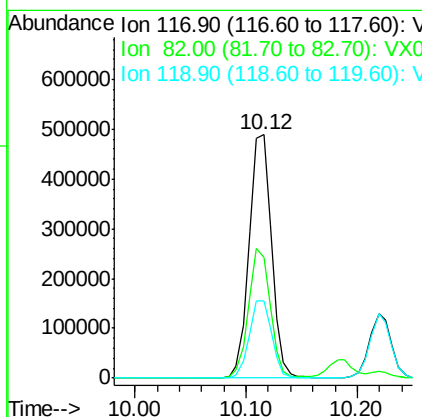
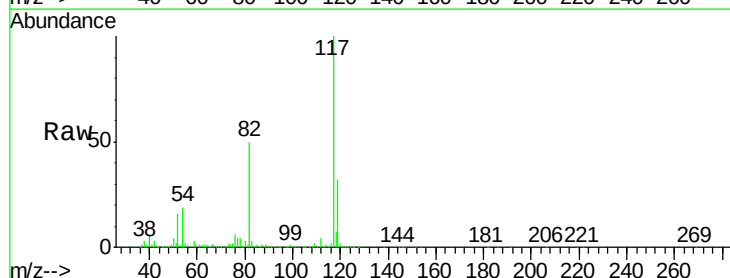
RT: 10.12 min Scan# 1470

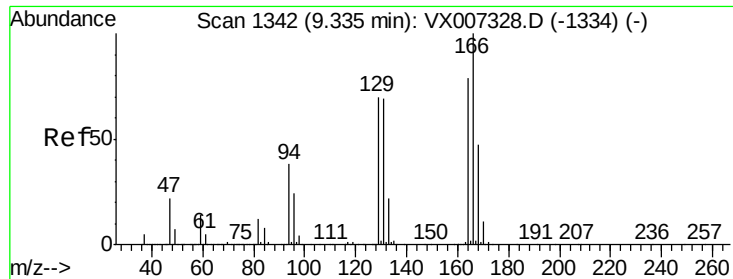
Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	685974		
82	49.4	42.1	63.1	
119	31.9	26.5	39.7	





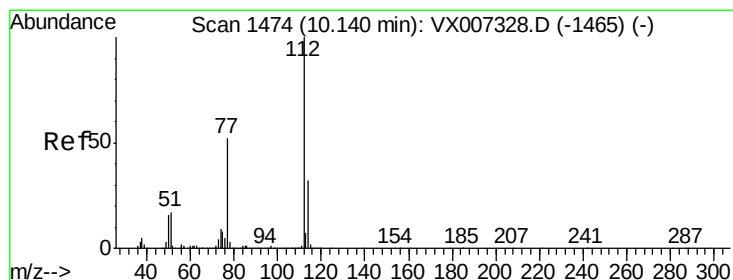
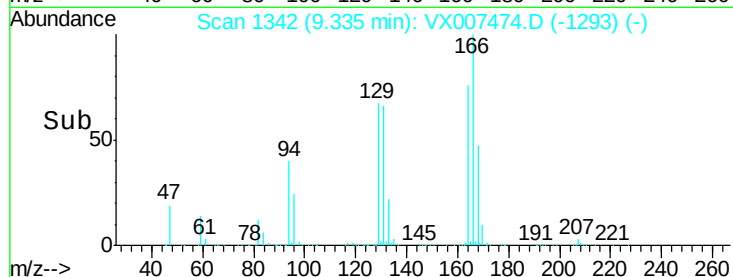
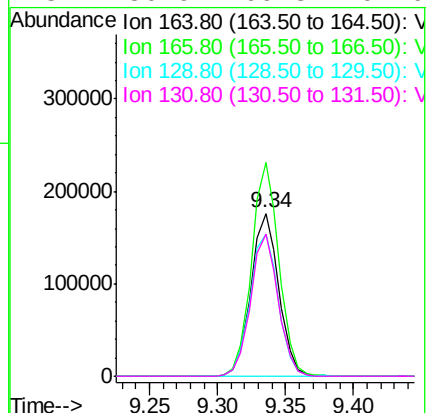
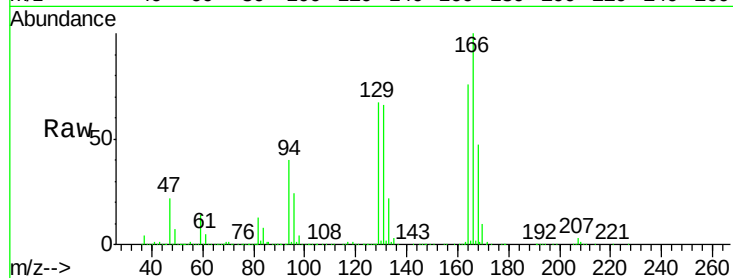
#64
Tetrachloroethene
Concen: 39.144 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.0	151.4
129	87.4	70.5	105.7
131	86.9	69.8	104.6

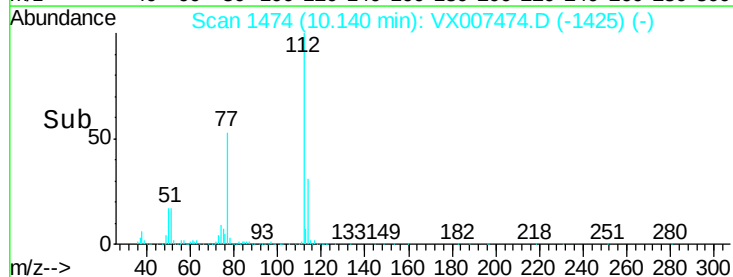
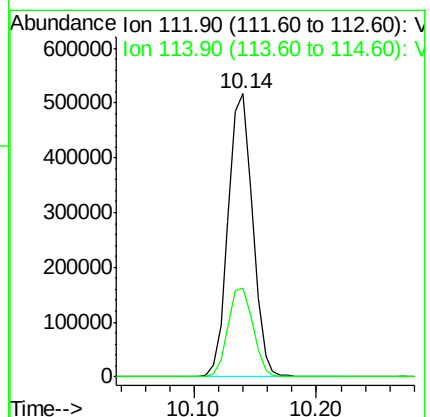
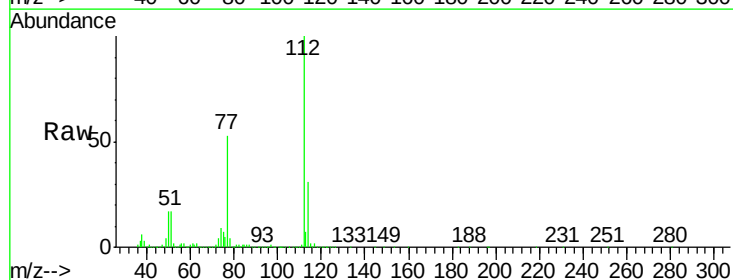
Manual Integrations
APPROVED

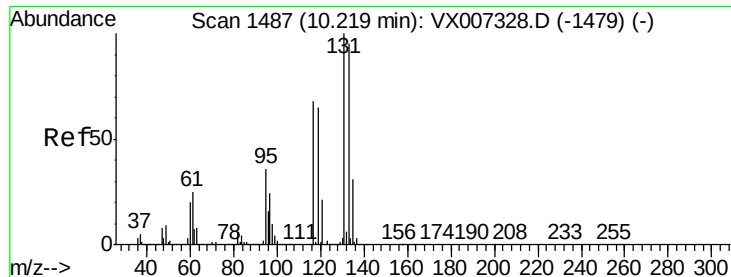
MMDadoda
2/12/2019 12:15:57 PM



#65
Chlorobenzene
Concen: 47.622 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6





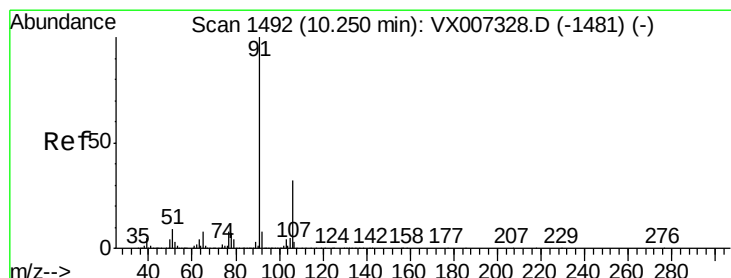
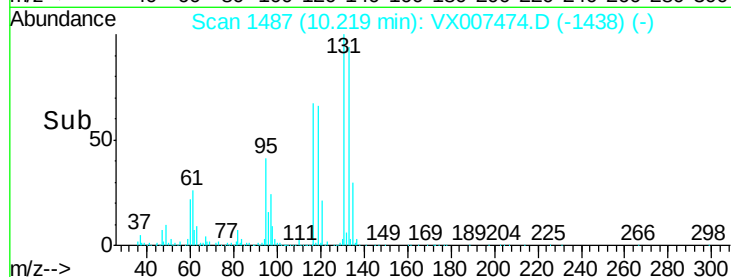
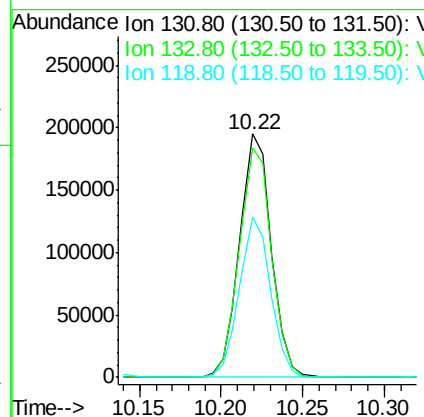
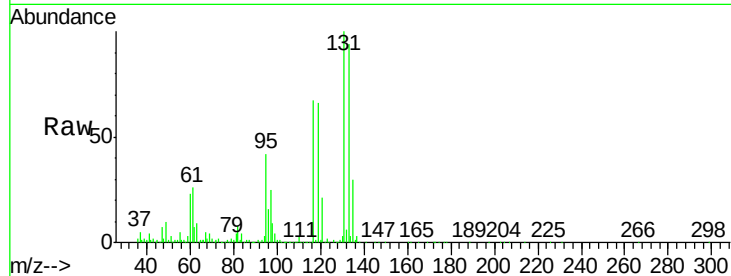
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.548 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.0	144.2
119	65.2	32.0	96.0

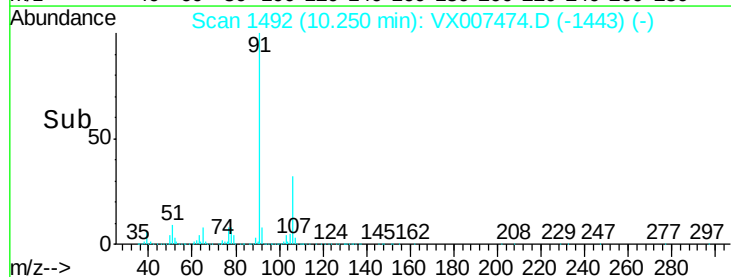
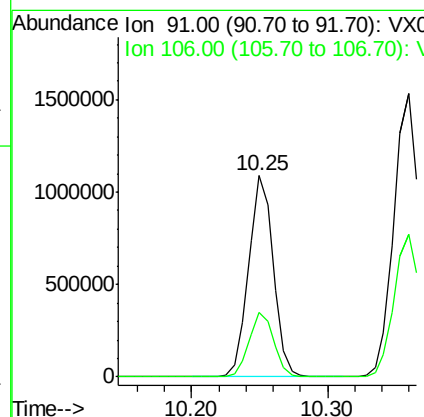
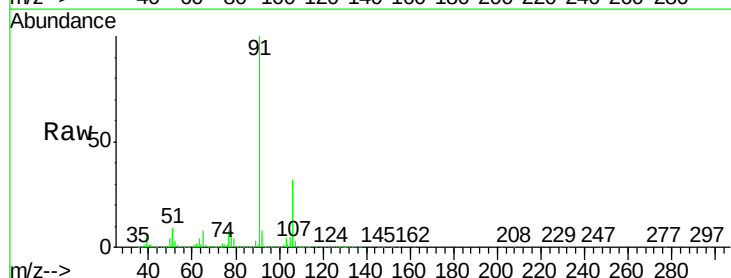
Manual Integrations
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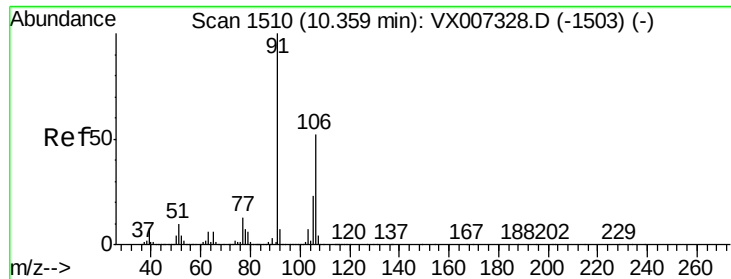
MMDadoda
 2/12/2019 12:15:57 PM



#67
 Ethyl Benzene
 Concen: 57.227 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.4	38.0





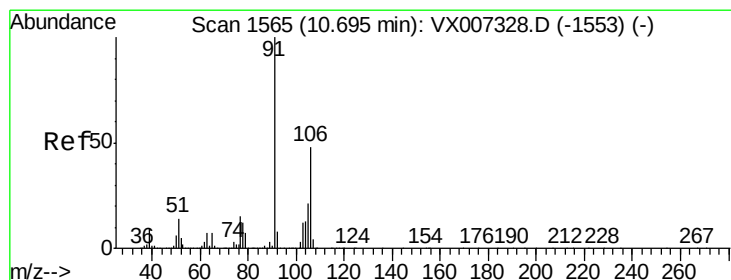
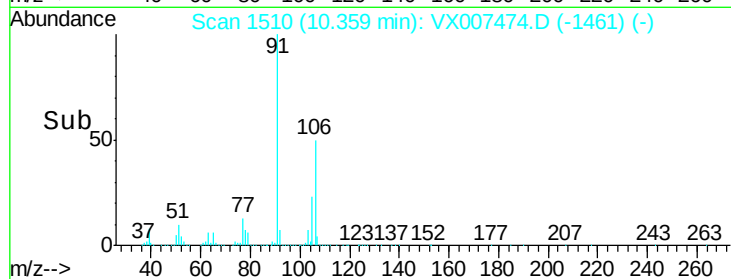
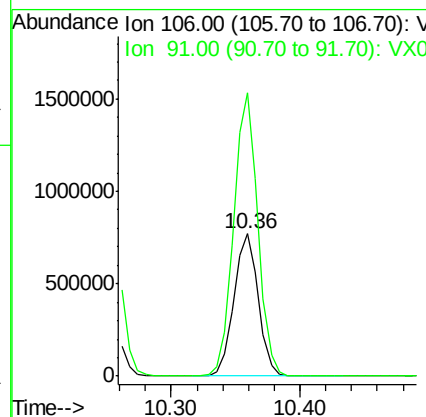
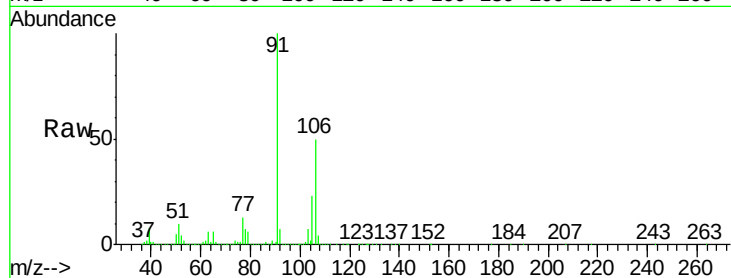
#68
m/p-Xylenes
Concen: 106.131 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion:106 Resp: 1017001
Ion Ratio Lower Upper
106 100
91 197.3 156.6 234.8

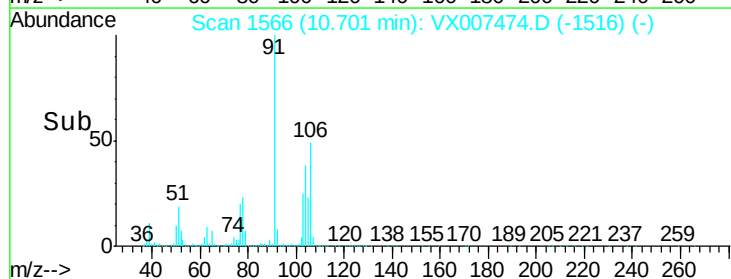
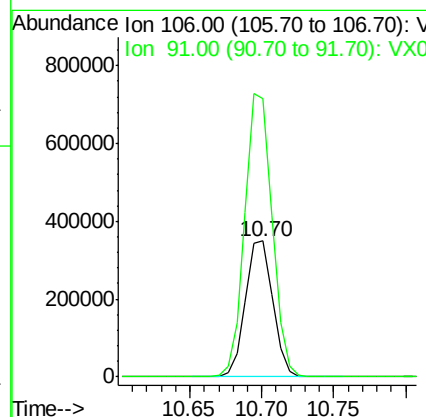
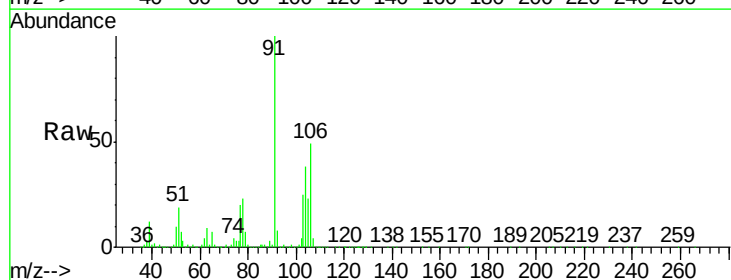
Manual Integrations
APPROVED

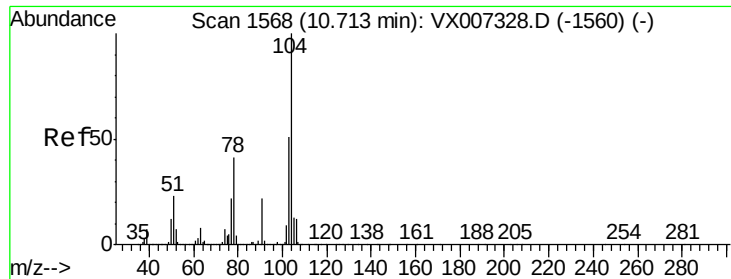
MMDadoda
2/12/2019 12:15:57 PM



#69
o-Xylene
Concen: 50.173 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion:106 Resp: 462636
Ion Ratio Lower Upper
106 100
91 207.5 102.9 308.7





#70

Stvrene

Concen: 50.000 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

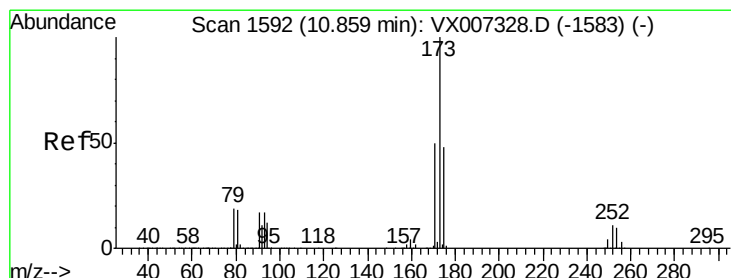
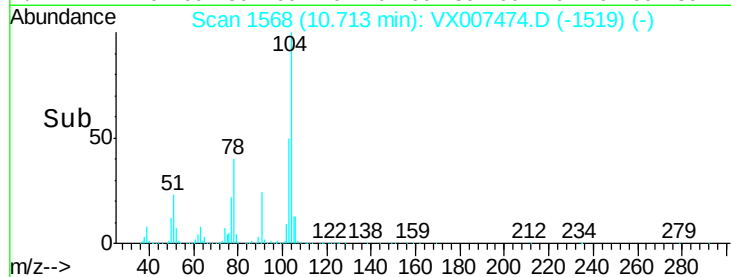
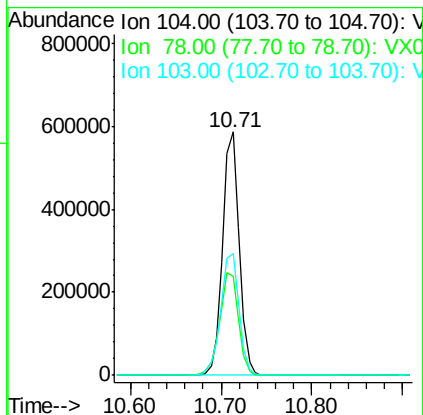
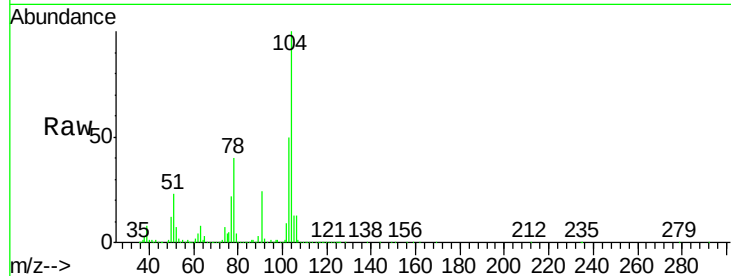
ClientSampleId :

KY001MW020-190207MSD

Tot Ion:	104	Resp:	747700
Ion Ratio	Lower	Upper	
104	100		
78	47.5	38.3	57.5
103	55.5	44.6	67.0

Manual Integrations
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2/12/2019 12:15:57 PM



#71

Bromoform

Concen: 49.569 ug/l

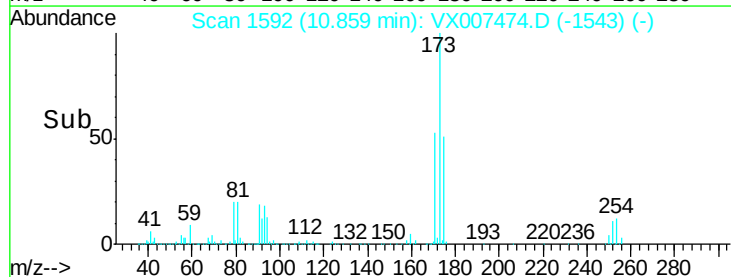
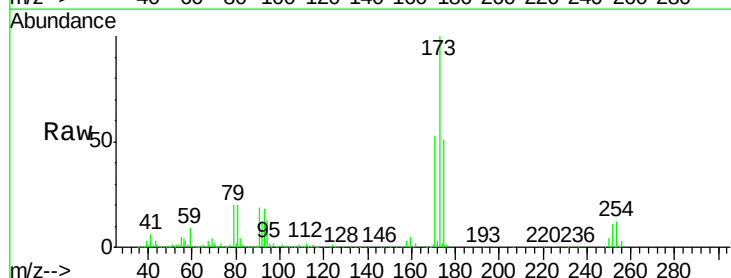
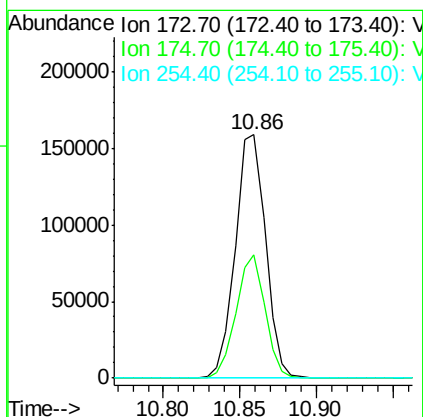
RT: 10.86 min Scan# 1592

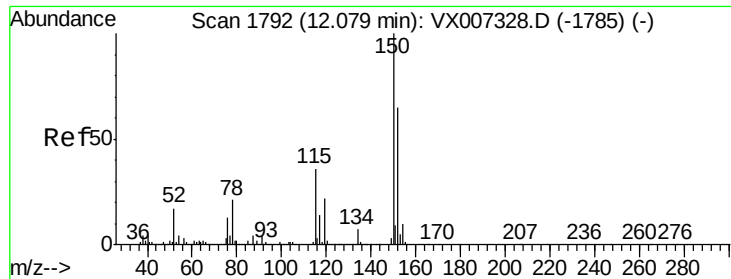
Delta R.T. 0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion:	173	Resp:	218026
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.2	72.6
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

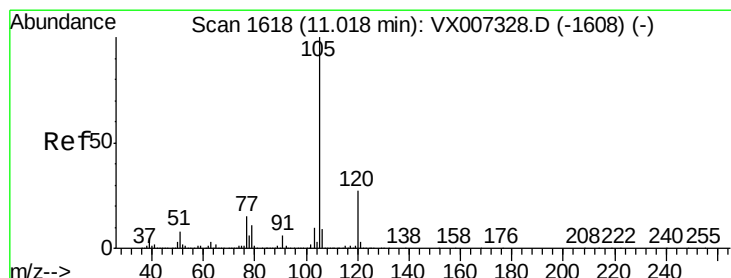
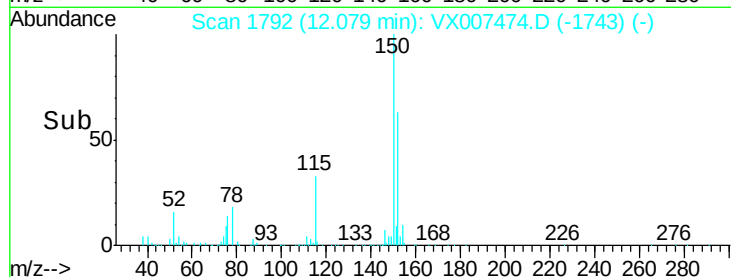
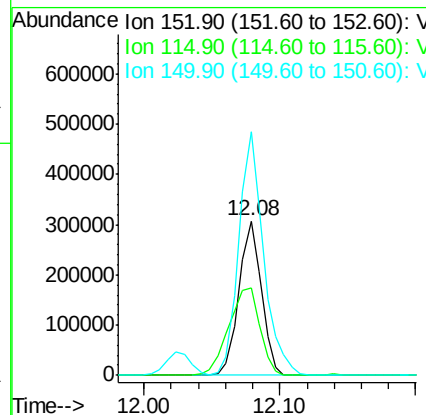
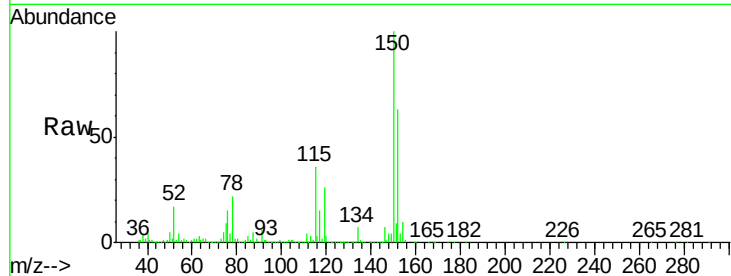
ClientSampleId :

KY001MW020-190207MSD

Tot Ion:	152	Resp:	353339
Ion Ratio	Lower	Upper	
152	100		
115	78.7	38.0	114.0
150	173.5	0.0	346.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 240.008 ug/l

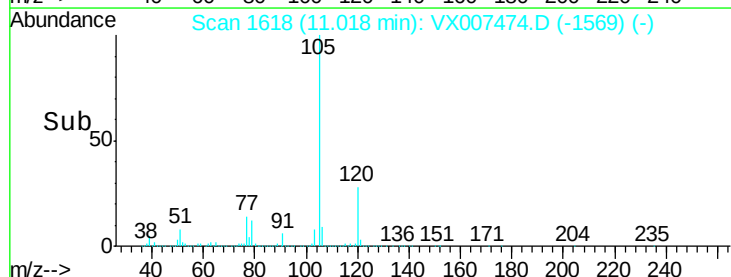
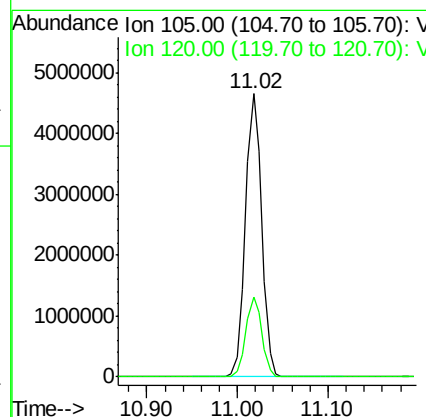
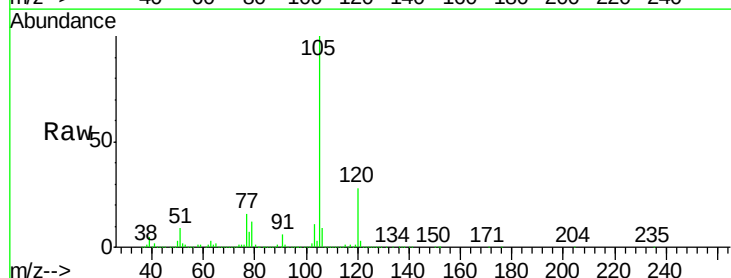
RT: 11.02 min Scan# 1618

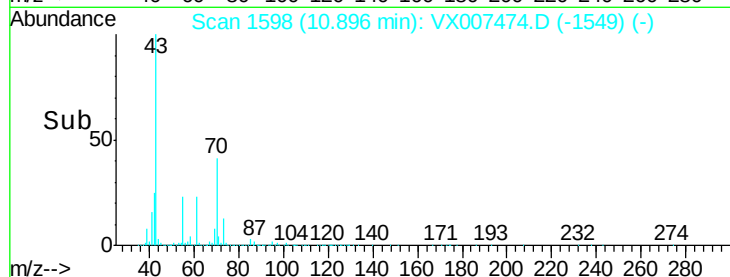
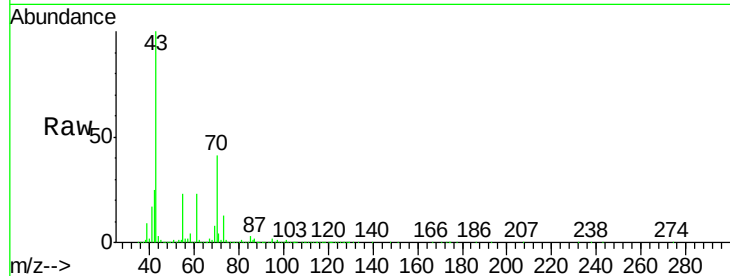
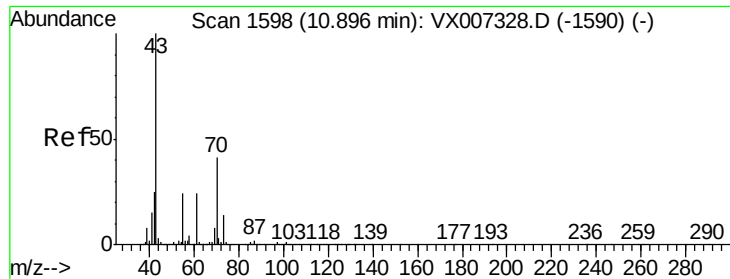
Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Tgt Ion:	105	Resp:	5762893
Ion Ratio	Lower	Upper	
105	100		
120	27.9	13.6	40.7





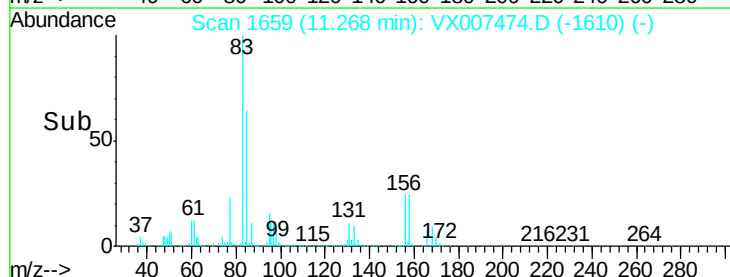
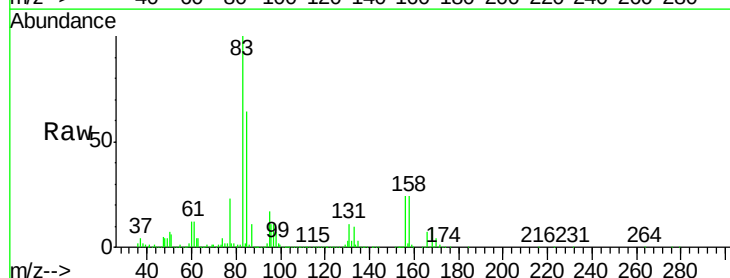
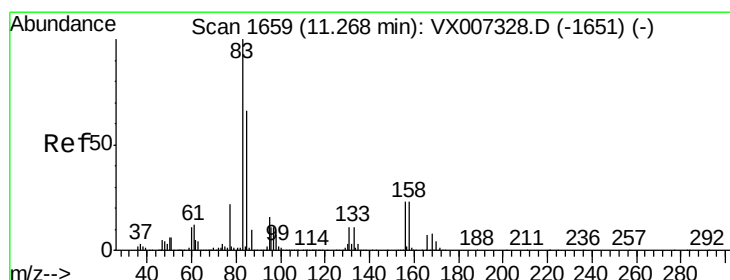
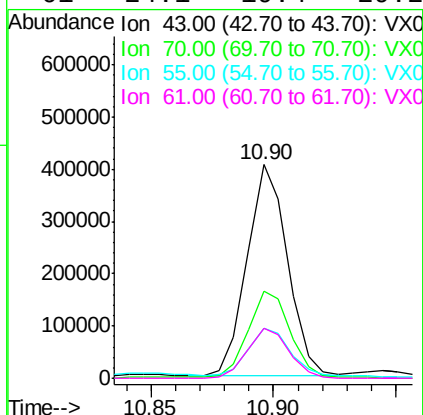
#74
N-amvl acetate
Concen: 49.969 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tot Ion	43	Resp	464075
Ion Ratio	100	Lower	Upper
43	100		
70	44.1	33.8	50.6
55	25.7	19.5	29.3
61	24.1	19.4	29.2

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

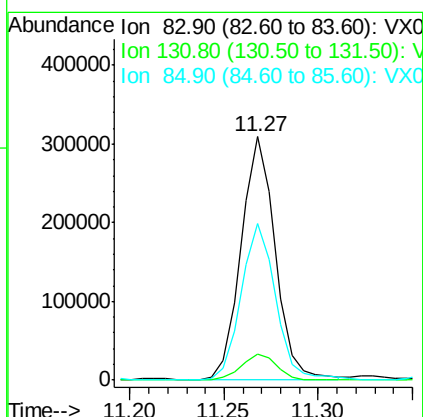
Manual Integrations
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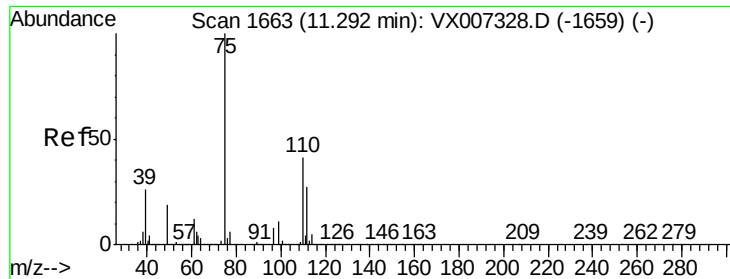
MMDadoda
2/12/2019 12:15:57 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 52.705 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	83	Resp	385677
Ion Ratio	100	Lower	Upper
83	100		
131	11.4	5.7	17.0
85	65.5	32.8	98.3





#76

1,2,3-Trichloropropane

Concen: 52.046 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 75 Resp: 357705

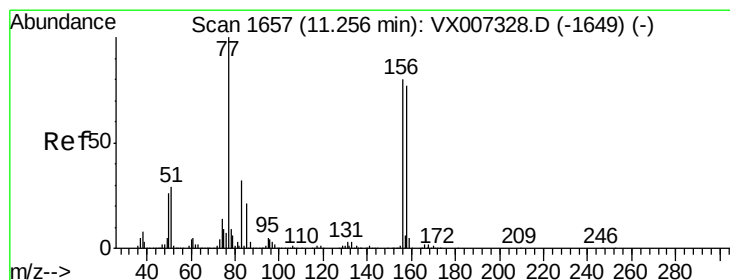
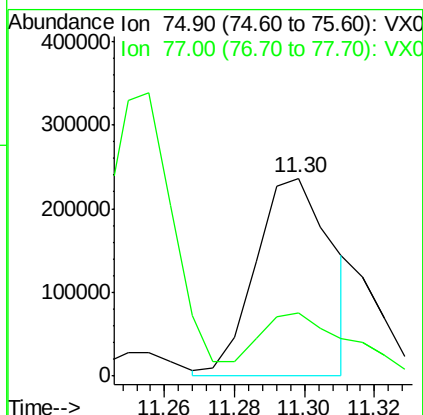
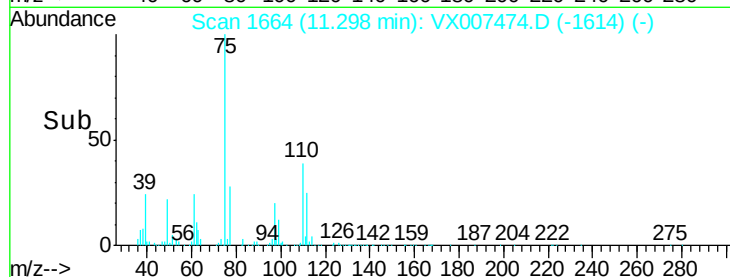
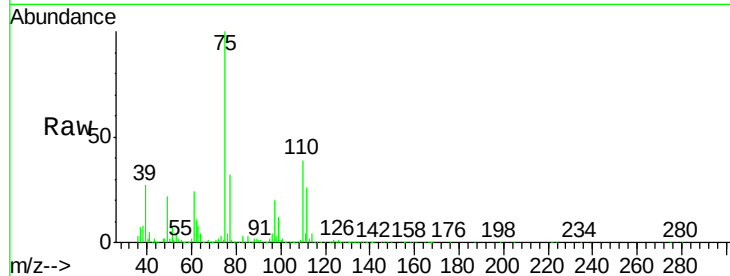
Ion Ratio Lower Upper

75 100

77 37.4 23.0 69.0

Manual Integrations
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2/12/2019 12:15:57 PM



#77

Bromobenzene

Concen: 48.896 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

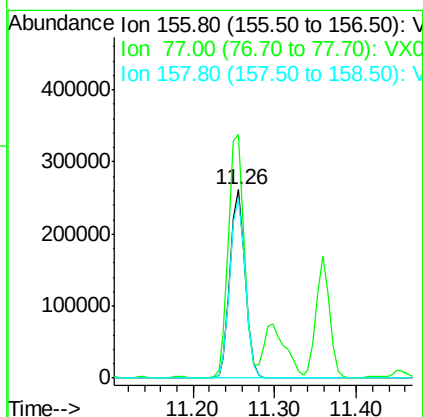
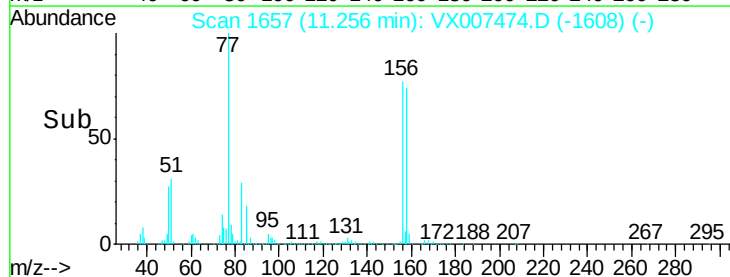
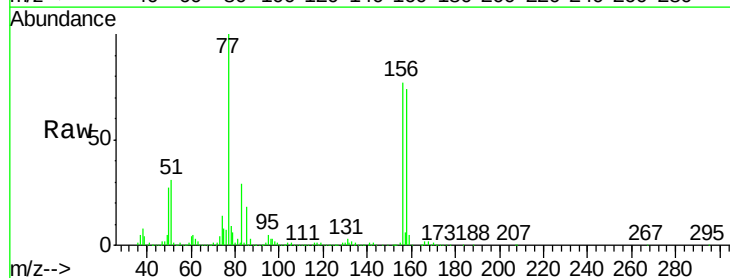
Tgt Ion: 156 Resp: 330800

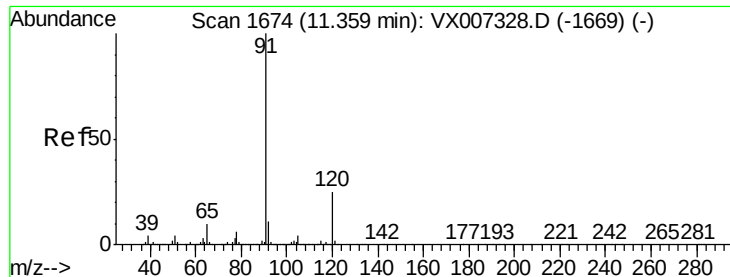
Ion Ratio Lower Upper

156 100

77 136.6 66.8 200.6

158 97.8 47.9 143.8





#78

n-propylbenzene

Concen: 181.730 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 91 Resp: 4784933

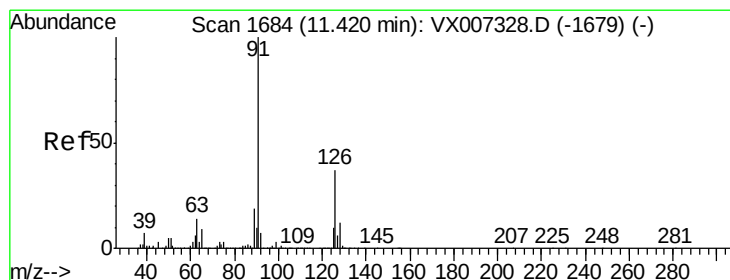
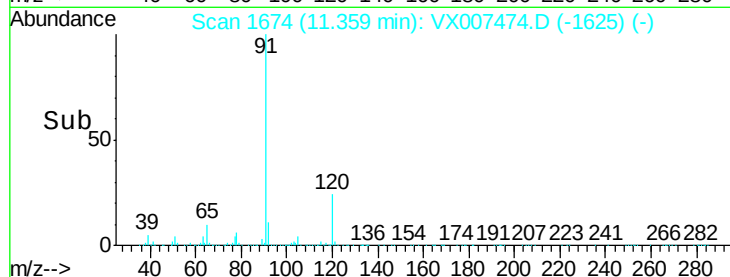
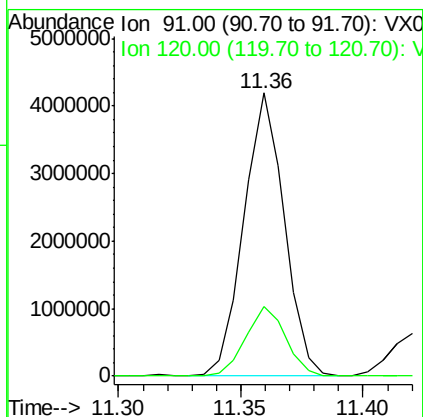
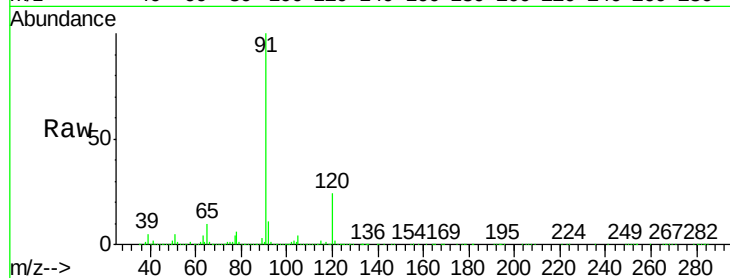
Ion Ratio Lower Upper

91 100

120 24.5 12.4 37.2

Manual Integrations
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#79

2-Chlorotoluene

Concen: 50.149 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007474.D

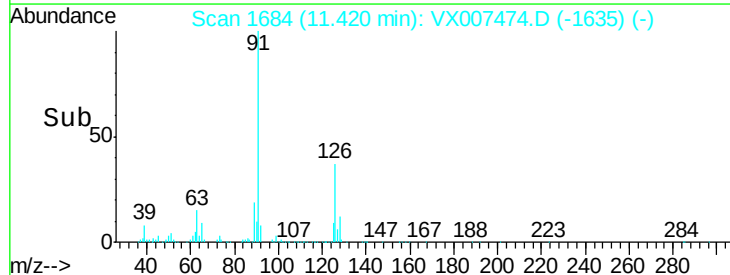
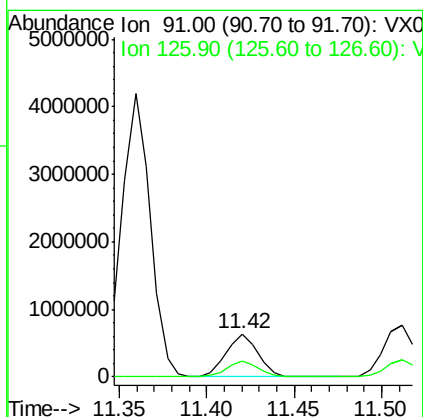
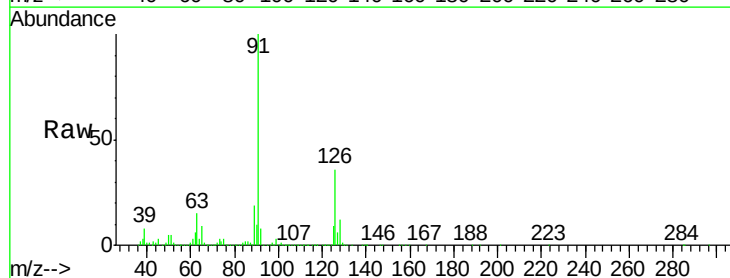
Acq: 11 Feb 2019 17:59

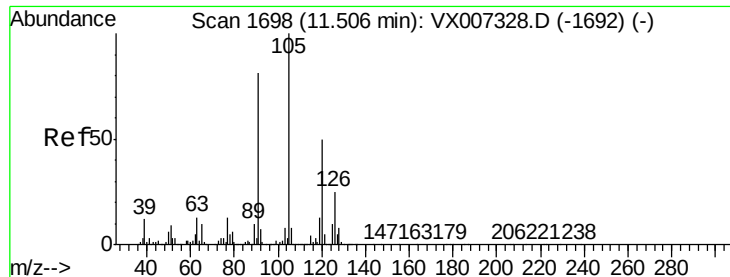
Tgt Ion: 91 Resp: 801205

Ion Ratio Lower Upper

91 100

126 37.2 18.7 56.1





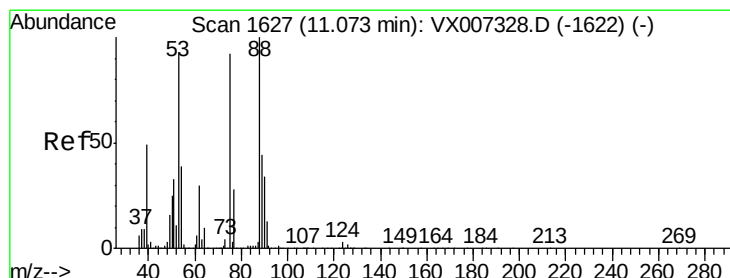
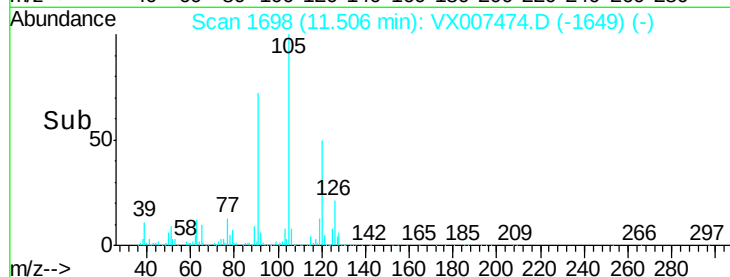
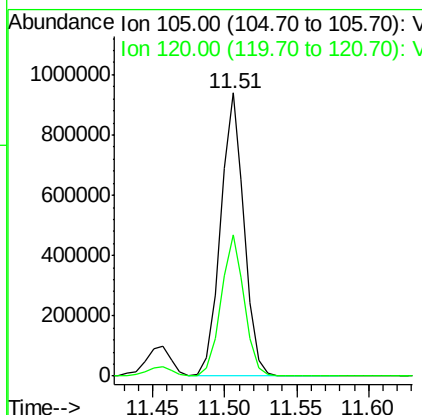
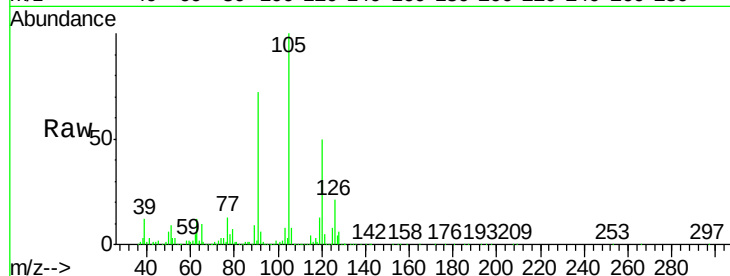
#80
 1,3,5-Trimethylbenzene
 Concen: 54.462 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion:105 Resp: 1069856
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.3 75.8

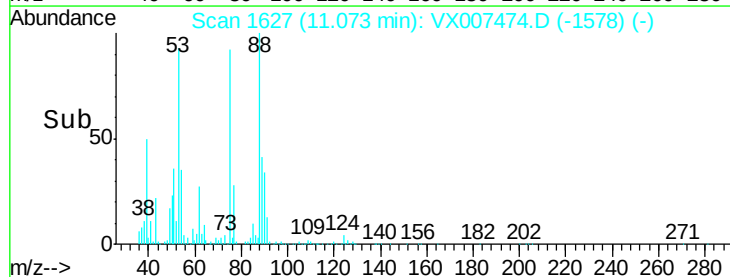
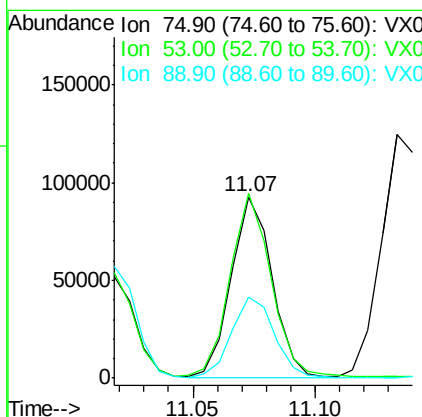
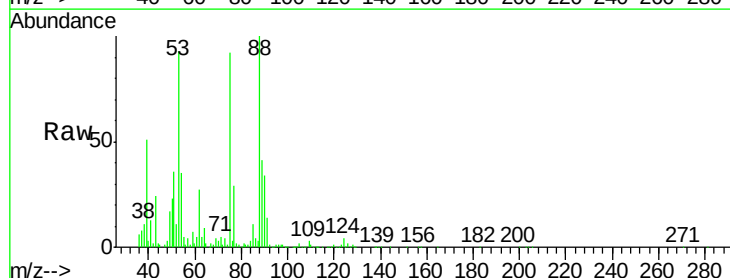
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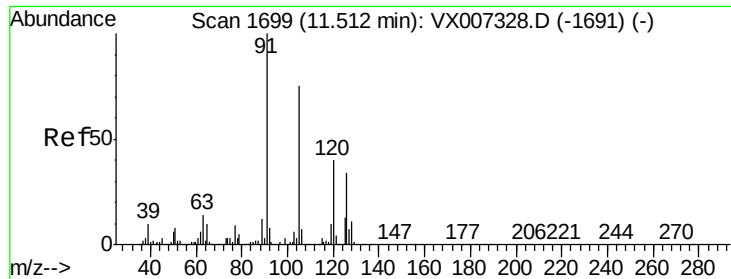
MMDadoda
 2/12/2019 12:15:57 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.919 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Tgt Ion: 75 Resp: 108553
 Ion Ratio Lower Upper
 75 100
 53 100.6 81.0 121.6
 89 46.8 41.4 62.0





#82

4-Chlorotoluene

Concen: 50.860 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-190207MSD

Tot Ion: 91 Resp: 940225

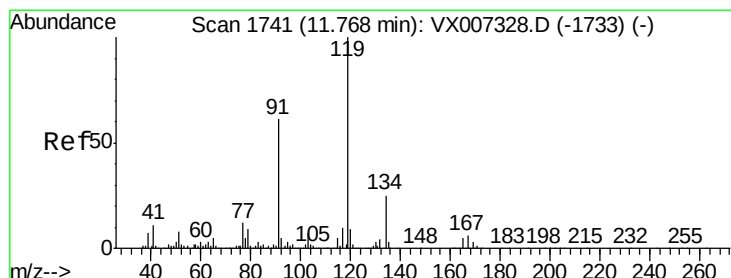
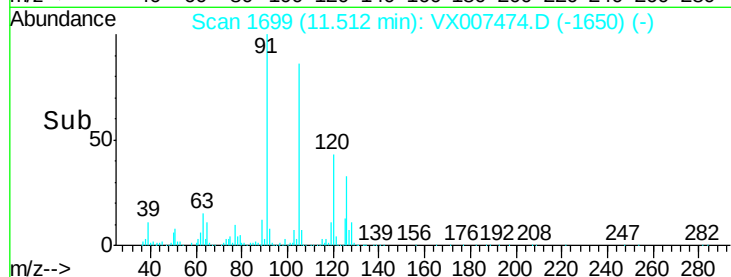
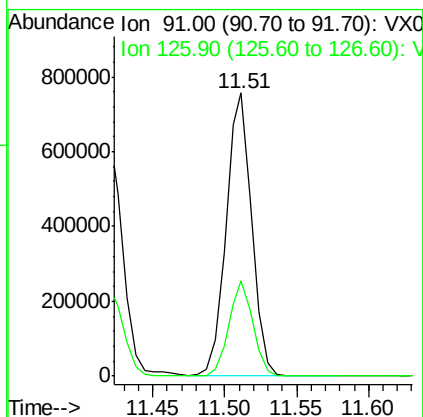
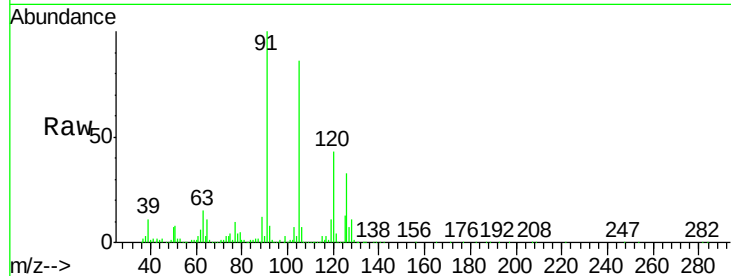
Ion Ratio Lower Upper

91 100

126 31.7 16.2 48.5

Manual Integrations
APPROVED

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#83

tert-Butylbenzene

Concen: 59.931 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007474.D

Acq: 11 Feb 2019 17:59

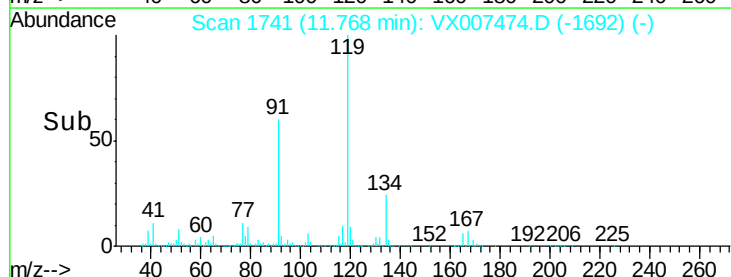
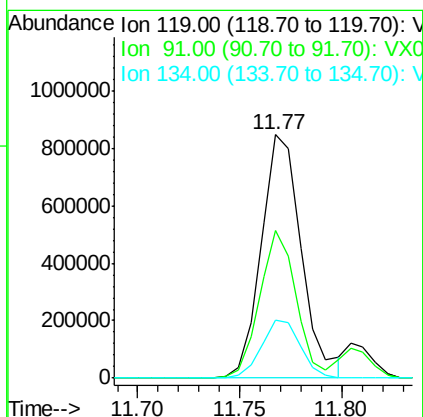
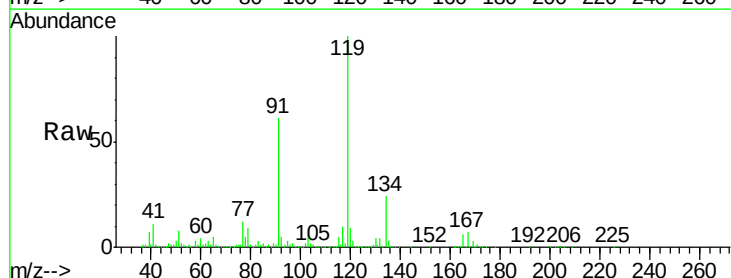
Tgt Ion: 119 Resp: 1165586

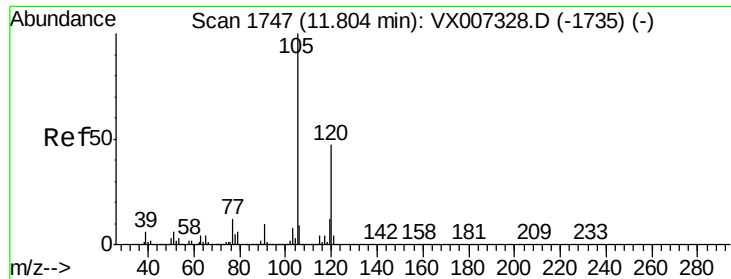
Ion Ratio Lower Upper

119 100

91 54.9 28.5 85.6

134 23.1 12.0 36.0





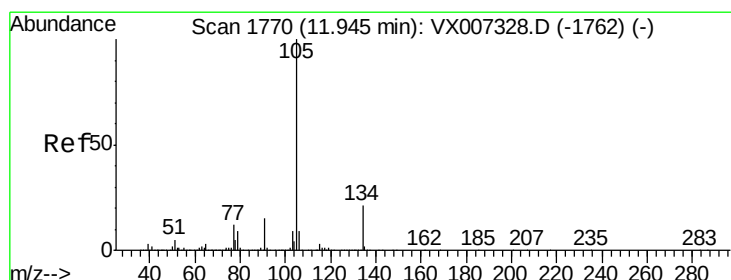
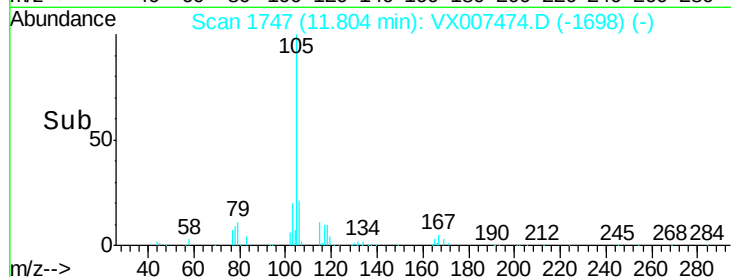
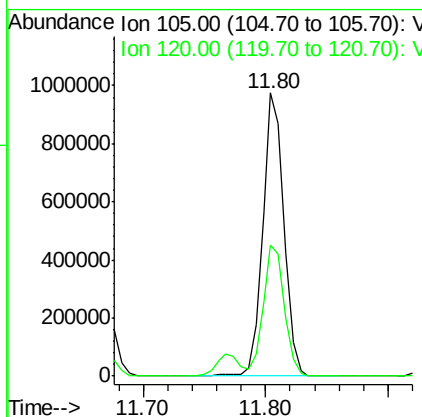
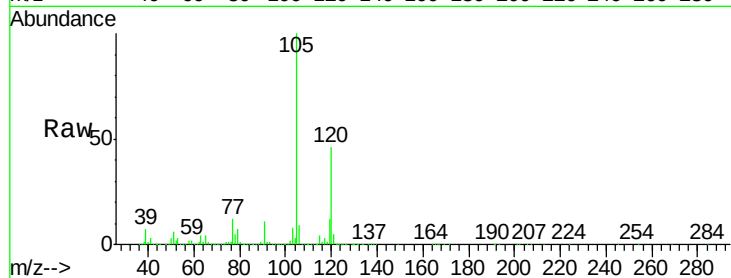
#84
1,2,4-Trimethylbenzene
Concen: 58.857 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion:105 Resp: 1173812
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.3

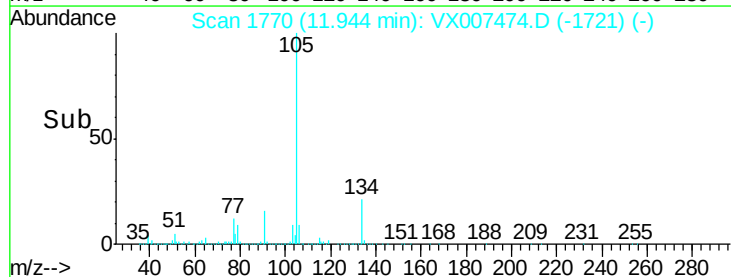
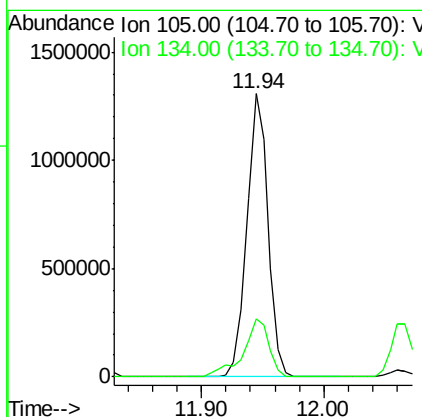
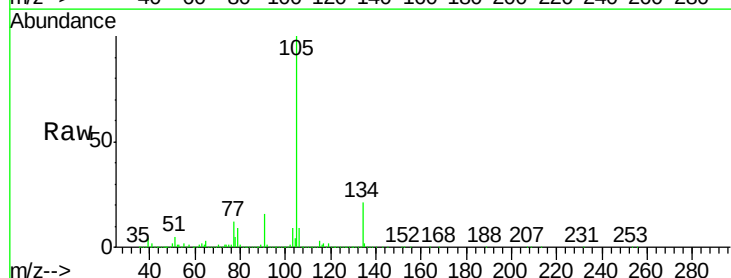
Manual Integrations
APPROVED

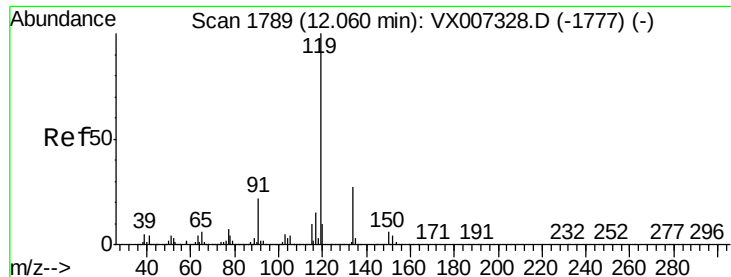
MMDadoda
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#85
sec-Butylbenzene
Concen: 66.195 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion:105 Resp: 1558187
Ion Ratio Lower Upper
105 100
134 25.3 10.6 31.8





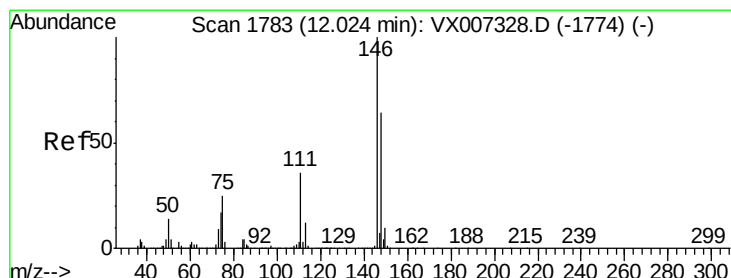
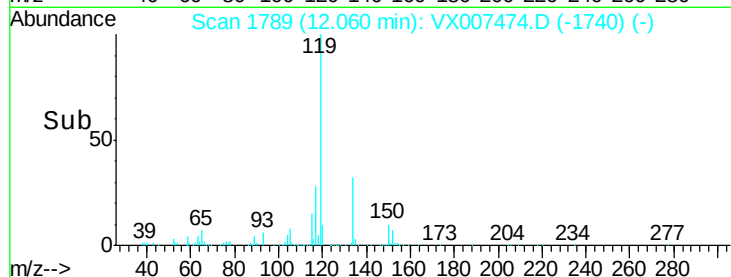
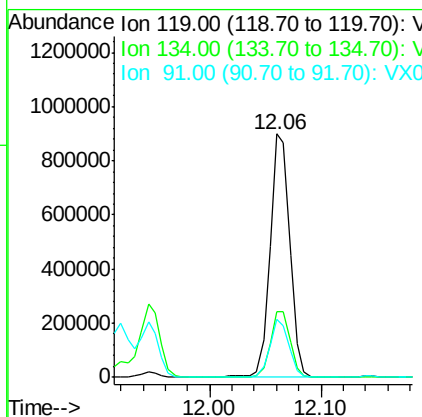
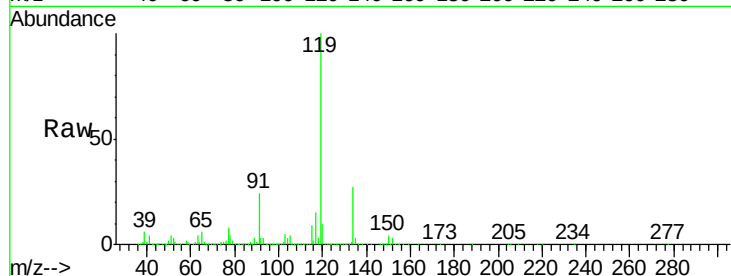
#86
 p-Isopropyltoluene
 Concen: 52.288 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.7	41.1
91	23.1	11.2	33.5

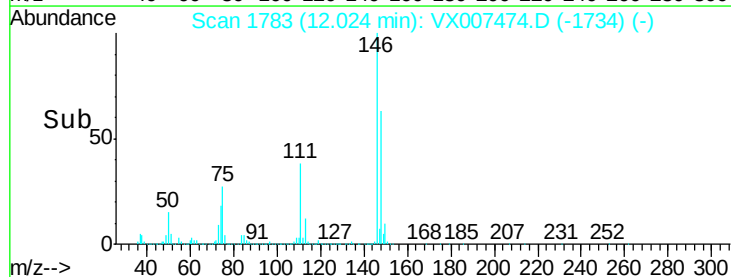
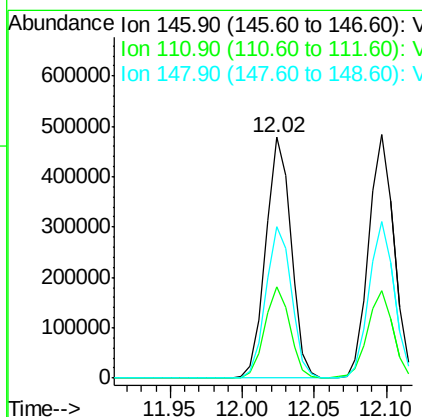
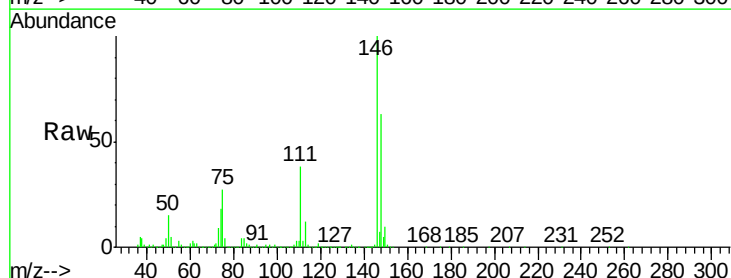
Manual Integrations
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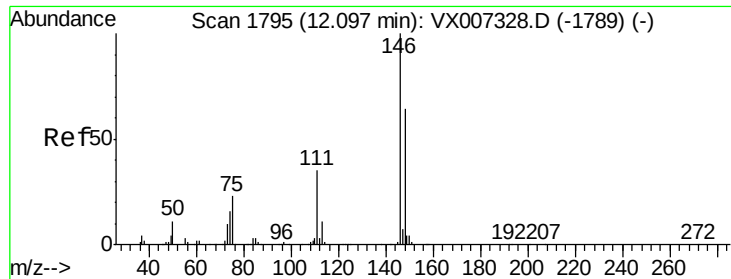
MMDadoda
 2/12/2019 12:15:57 PM



#87
 1,3-Dichlorobenzene
 Concen: 47.753 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	63.8	32.0	96.2





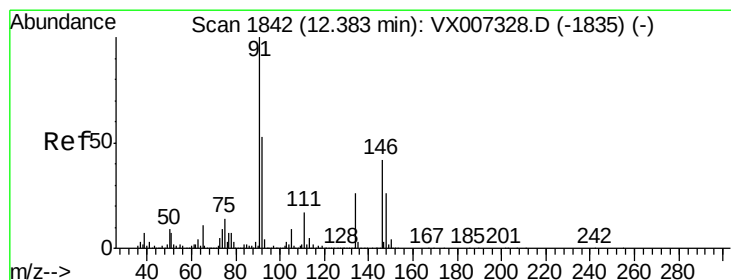
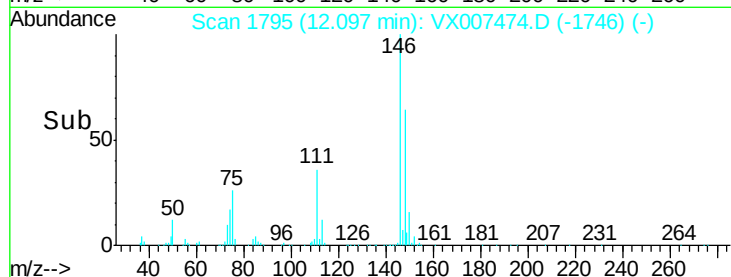
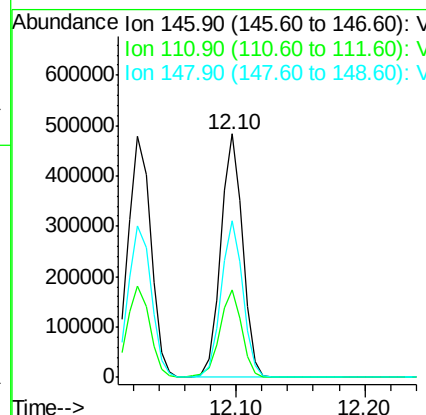
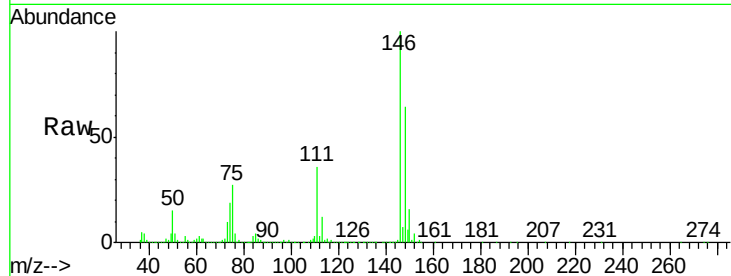
#88
 1,4-Dichlorobenzene
 Concen: 46.971 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.5	32.3	96.9

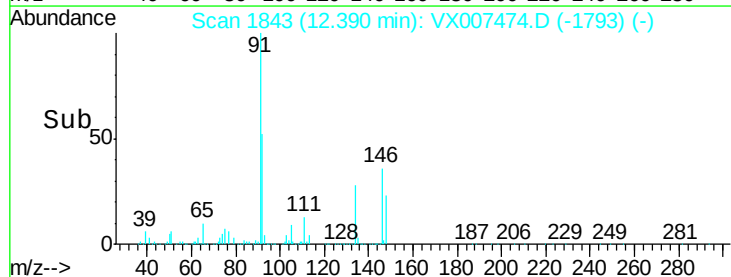
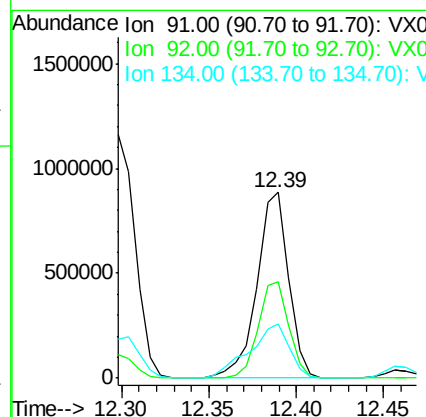
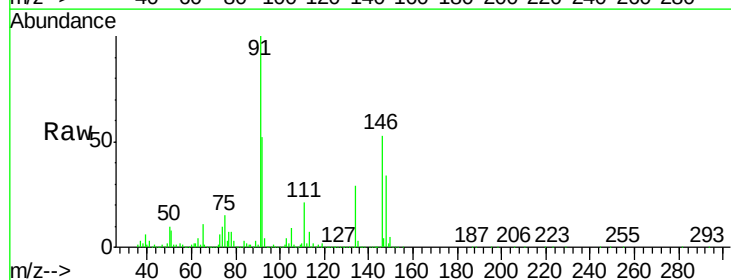
Manual Integrations
 APPROVED

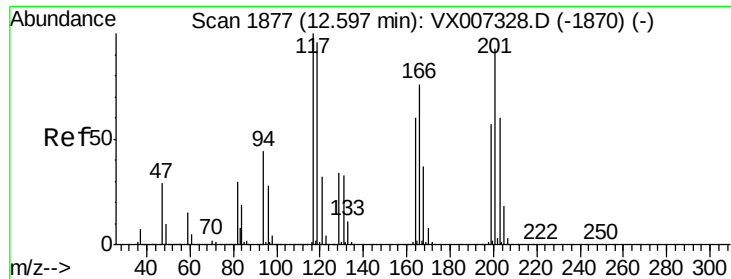
MMDadoda
 2/12/2019 12:15:57 PM



#89
 n-Butylbenzene
 Concen: 61.252 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.3	78.9
134	36.7	13.9	41.6





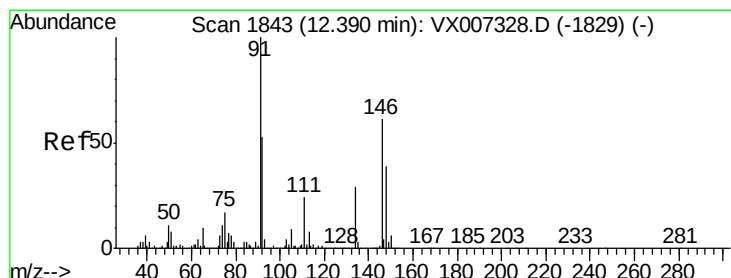
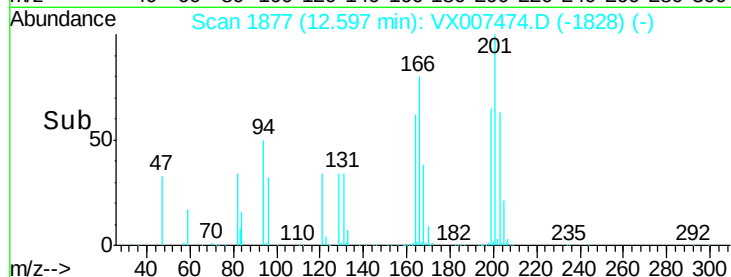
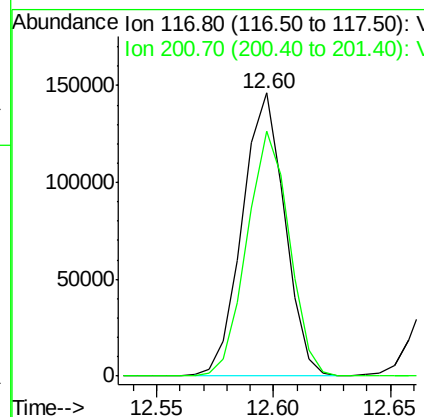
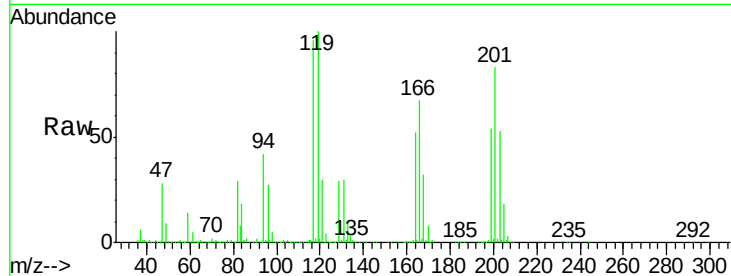
#90
Hexachloroethane
Concen: 57.513 ug/l m
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion:117 Resp: 182900
Ion Ratio Lower Upper
117 100
201 0.0 44.9 134.7#

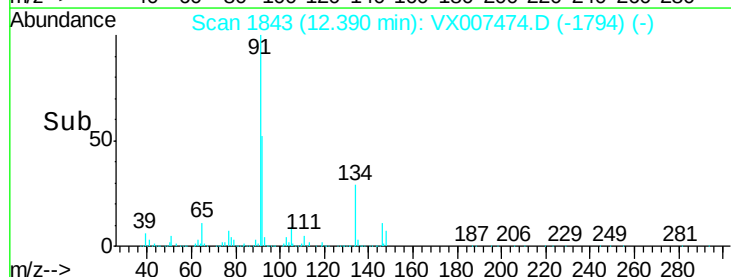
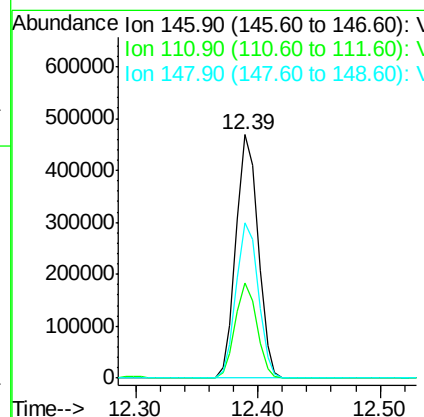
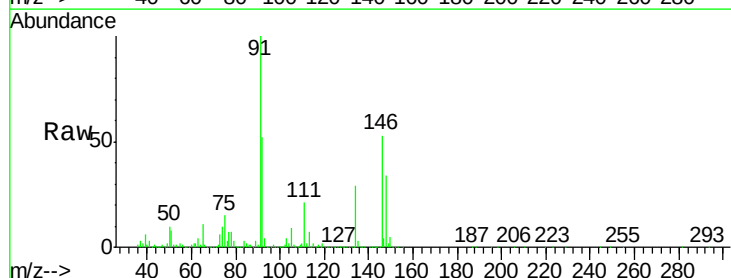
Manual Integrations
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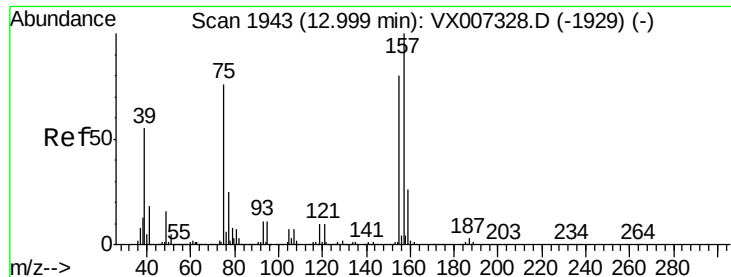
MMDadoda
2/12/2019 12:15:57 PM



#91
1,2-Dichlorobenzene
Concen: 48.340 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion:146 Resp: 584095
Ion Ratio Lower Upper
146 100
111 38.2 19.1 57.3
148 64.0 32.1 96.3





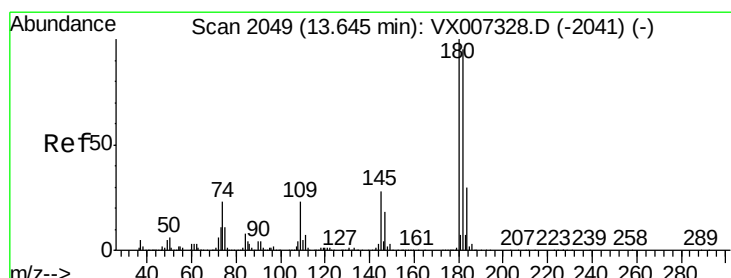
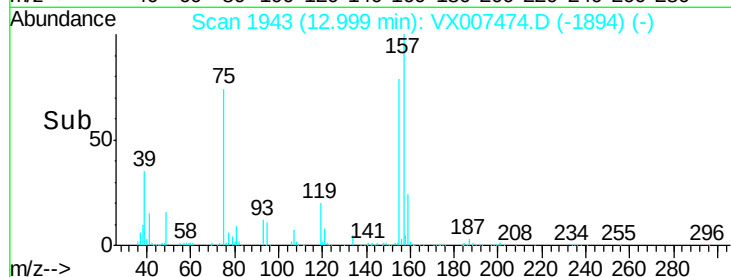
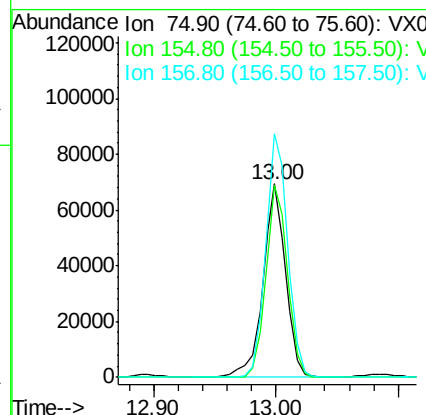
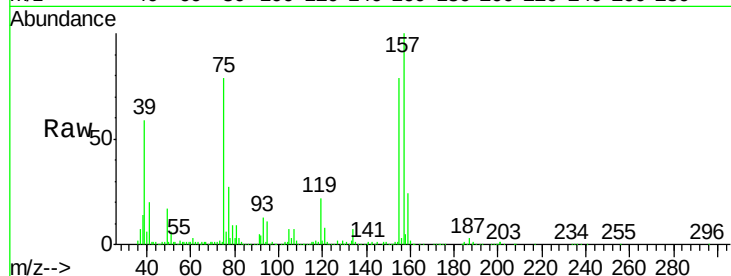
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.835 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	95.0	49.6	149.0
157	122.0	65.1	195.3

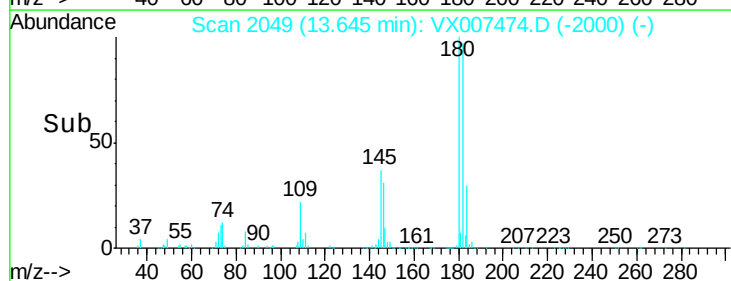
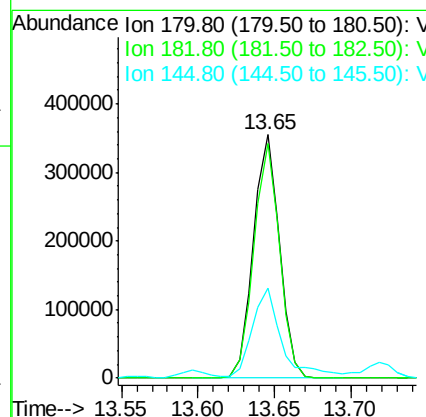
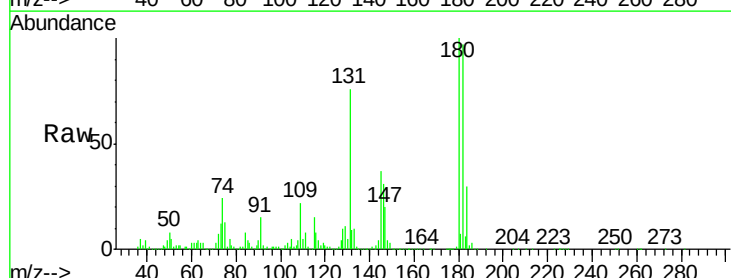
Manual Integrations
 APPROVED

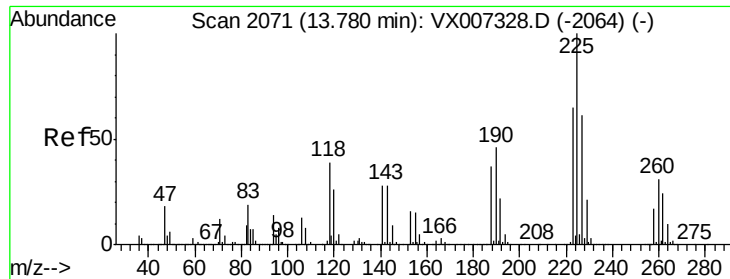
MMDadoda
 2/12/2019 12:15:57 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.420 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.3
145	42.2	14.1	42.2#





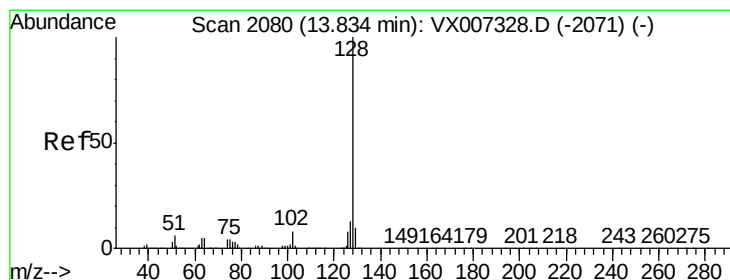
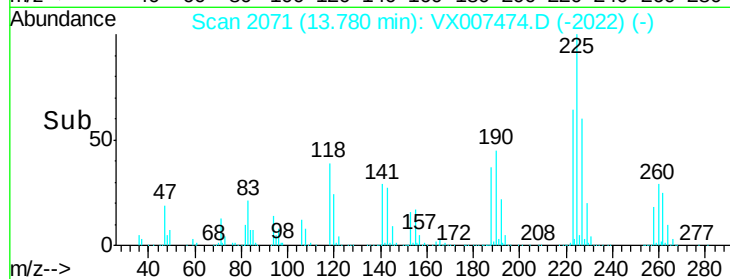
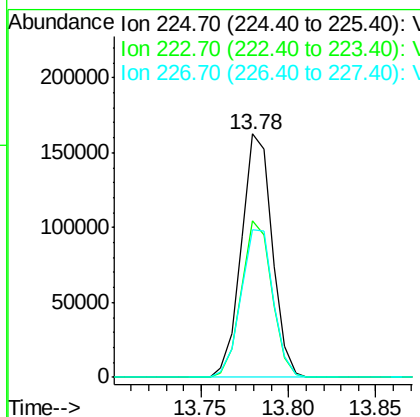
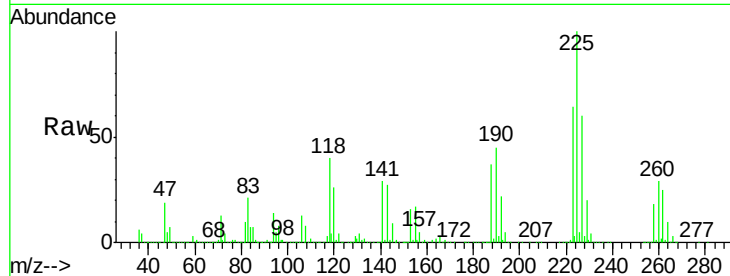
#94
Hexachlorobutadiene
Concen: 50.279 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	198943		
223	63.7	31.6	94.8	
227	63.3	32.1	96.3	

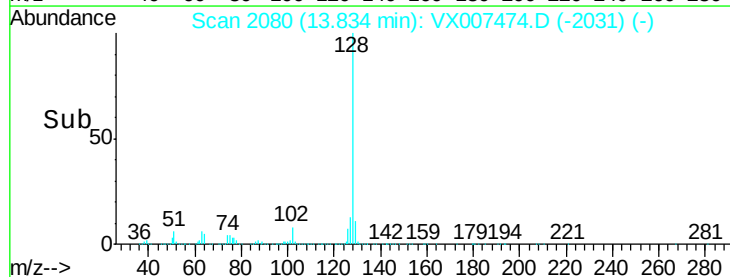
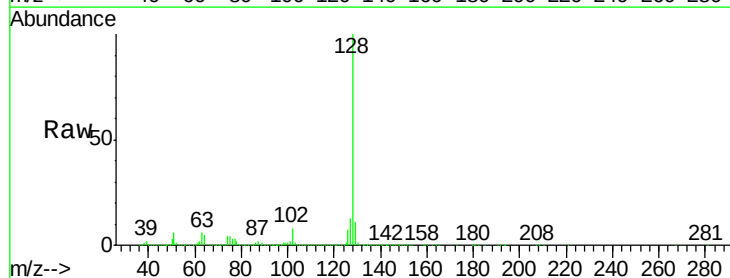
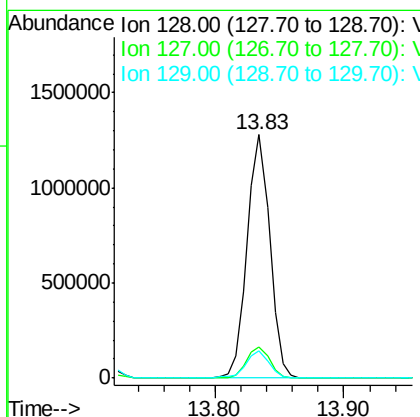
Manual Integrations
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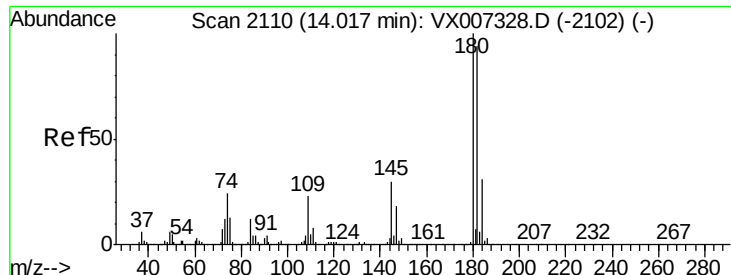
MMDadoda
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#95
Naphthalene
Concen: 64.994 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007474.D
Acq: 11 Feb 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1548755		
127	13.1	10.5	15.7	
129	11.9	8.7	13.1	





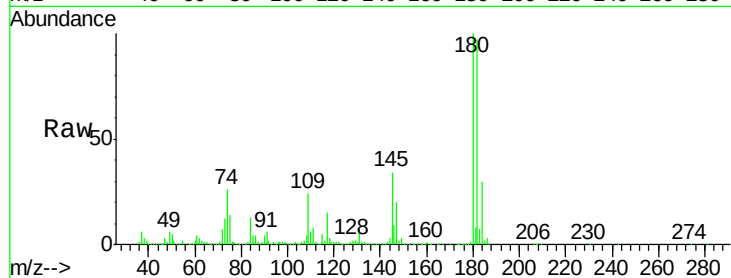
#96
 1,2,3-Trichlorobenzene
 Concen: 49.868 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX007474.D
 Acq: 11 Feb 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.9	47.5	142.6
145	33.6	14.9	44.5

Manual Integrations
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 2/12/2019 12:15:57 PM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

