

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008371.D
 Acq On : 23 Mar 2019 23:36
 Operator : JC/SP
 Sample : K1937-13MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:08:18 AM

Quant Time: Mar 25 09:15:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	199332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147048	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	149748	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
35) Dibromofluoromethane	5.50	113	109124	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
50) Toluene-d8	8.71	98	439253	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.13	95	161361	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	108519	48.091	ug/l	100
3) Chloromethane	1.32	50	159671	47.733	ug/l	98
4) Vinyl Chloride	1.40	62	157590	48.268	ug/l	100
5) Bromomethane	1.64	94	95243	46.326	ug/l	100
6) Chloroethane	1.71	64	93593	48.947	ug/l	99
7) Trichlorofluoromethane	1.92	101	176098	47.430	ug/l	99
8) Diethyl Ether	2.18	74	83661	47.060	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	102130	46.435	ug/l	89
10) Methyl Iodide	2.51	142	131444	47.106	ug/l	98
11) Tert butyl alcohol	3.05	59	165139	243.864	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107710	47.442	ug/l	90
13) Acrolein	2.29	56	129417	223.648	ug/l	98
14) Allyl chloride	2.73	41	234593	46.708	ug/l	94
15) Acrylonitrile	3.14	53	418970	241.601	ug/l	99
16) Acetone	2.44	43	358500	235.914	ug/l	97
17) Carbon Disulfide	2.57	76	323435	44.552	ug/l	100
18) Methyl Acetate	2.77	43	165296	43.456	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	392368	47.984	ug/l	96
20) Methylene Chloride	2.85	84	127289	46.530	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	112516	45.769	ug/l	93
22) Diisopropyl ether	3.85	45	473549	48.424	ug/l #	88
23) Vinyl Acetate	3.81	43	1975987	228.857	ug/l	97
24) 1,1-Dichloroethane	3.70	63	237077	47.549	ug/l	98
25) 2-Butanone	4.67	43	608082	243.017	ug/l	97
26) 2,2-Dichloropropane	4.58	77	128283	39.935	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	131198	46.596	ug/l	91
28) Bromochloromethane	5.01	49	120188	48.287	ug/l #	77
29) Tetrahydrofuran	5.13	42	403704	242.983	ug/l	95
30) Chloroform	5.21	83	213741	47.548	ug/l	100
31) Cyclohexane	5.58	56	226619	47.399	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	171049	48.095	ug/l	96
36) 1,1-Dichloropropene	5.80	75	166053	46.772	ug/l	96
37) Ethyl Acetate	4.84	43	217569	45.281	ug/l	98
38) Carbon Tetrachloride	5.79	117	141928	46.636	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	203046	46.659	ug/l	92
40) Benzene	6.14	78	509819	47.153	ug/l	100
41) Methacrylonitrile	5.04	41	130669	49.893	ug/l	96
42) 1,2-Dichloroethane	6.19	62	181388	46.229	ug/l	96
43) Isopropyl Acetate	6.45	43	348951	46.638	ug/l	97
44) Trichloroethene	7.21	130	114487	45.598	ug/l	88
45) 1,2-Dichloropropane	7.51	63	145522	47.543	ug/l	100
46) Dibromomethane	7.66	93	83316	45.867	ug/l #	84
47) Bromodichloromethane	7.90	83	165091	47.648	ug/l	98
48) Methyl methacrylate	7.77	41	185510	49.136	ug/l	93
49) 1,4-Dioxane	7.74	88	74356	976.147	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	1207414	245.955	ug/l	97
52) Toluene	8.79	92	304245	47.989	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	178614	47.947	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	201158	47.628	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	124836	47.404	ug/l	98
56) Ethyl methacrylate	9.18	69	232712	49.916	ug/l	91
57) 1,3-Dichloropropane	9.37	76	221925	47.305	ug/l	99
59) 2-Hexanone	9.49	43	958285	254.289	ug/l	96
60) Dibromochloromethane	9.58	129	118675	48.550	ug/l	98
61) 1,2-Dibromoethane	9.67	107	128839	48.207	ug/l	98
64) Tetrachloroethene	9.34	164	92207	45.186	ug/l	94
65) Chlorobenzene	10.14	112	308052	47.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	107954	47.567	ug/l	98
67) Ethyl Benzene	10.25	91	590628	48.198	ug/l	96
68) m/p-Xylenes	10.36	106	426258	96.813	ug/l	92
69) o-Xylene	10.70	106	208238	48.368	ug/l	93
70) Styrene	10.71	104	363641	48.703	ug/l	96
71) Bromoform	10.85	173	86276	49.349	ug/l #	100
73) Isopropylbenzene	11.02	105	548147	47.235	ug/l	98
74) N-amyl acetate	10.90	43	319818	47.071	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	217318	47.014	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	178888m	46.477	ug/l	
77) Bromobenzene	11.26	156	128242	46.704	ug/l	80
78) n-propylbenzene	11.36	91	647567	47.611	ug/l	95
79) 2-Chlorotoluene	11.42	91	383467	46.284	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	467592	47.366	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	63110	46.726	ug/l	90
82) 4-Chlorotoluene	11.51	91	447618	46.888	ug/l	93
83) tert-Butylbenzene	11.77	119	452257	48.109	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	474268	48.141	ug/l	96
85) sec-Butylbenzene	11.94	105	532490	47.262	ug/l	95
86) p-Isopropyltoluene	12.06	119	472566	47.586	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	230766	46.793	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	231278	46.090	ug/l	97
89) n-Butylbenzene	12.38	91	448799	47.339	ug/l	96
90) Hexachloroethane	12.60	117	77495	47.242	ug/l	80
91) 1,2-Dichlorobenzene	12.39	146	235072	47.064	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50268	51.024	ug/l	74
93) 1,2,4-Trichlorobenzene	13.65	180	159798	47.445	ug/l	98

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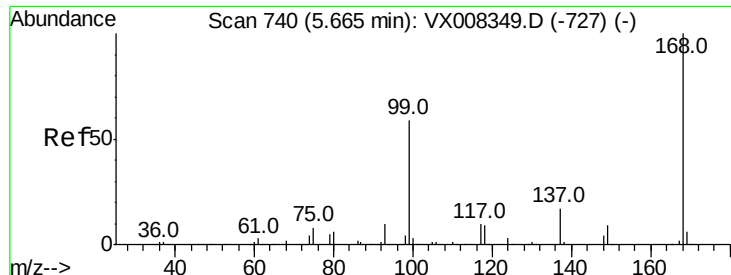
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	71019	44.618	ug/l	97
95) Naphthalene	13.83	128	573300	48.471	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	162411	47.787	ug/l	99

(#) = 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. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:168 Resp: 199332

Ion Ratio Lower Upper

168 100

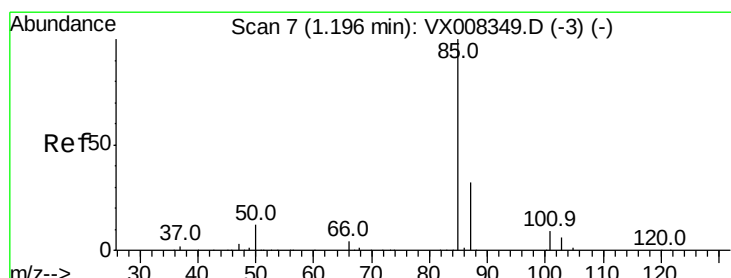
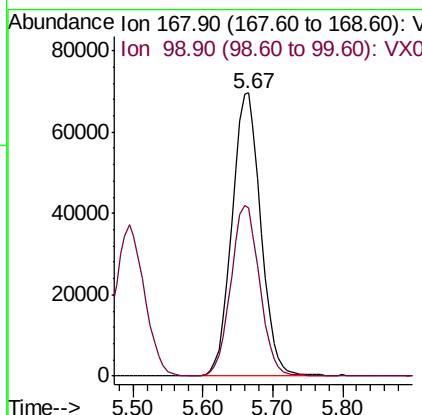
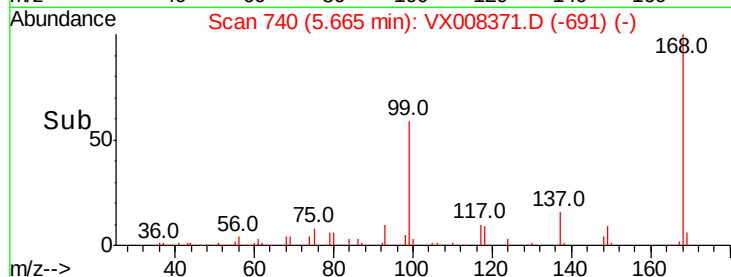
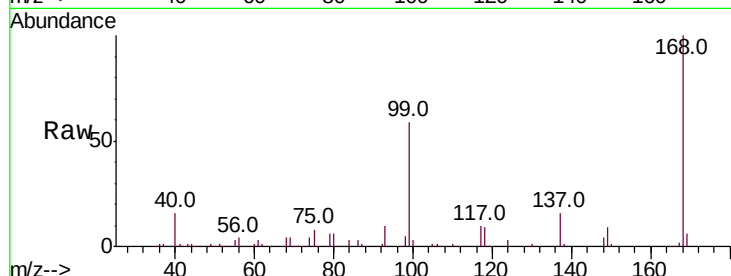
99 59.1 37.6 56.4#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.091 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008371.D

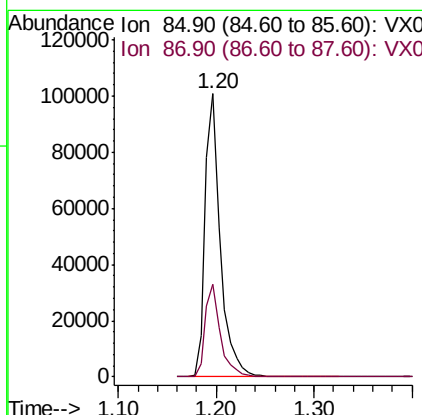
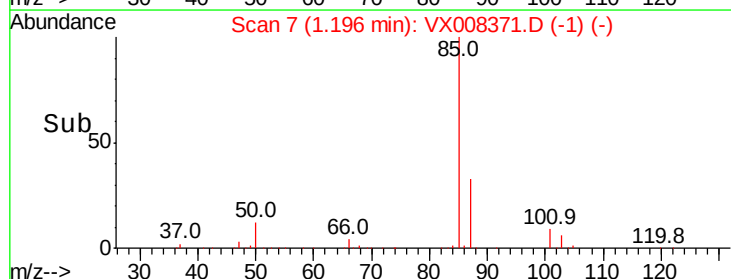
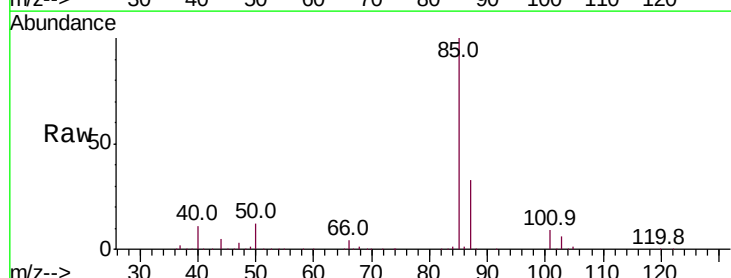
Acq: 23 Mar 2019 23:36

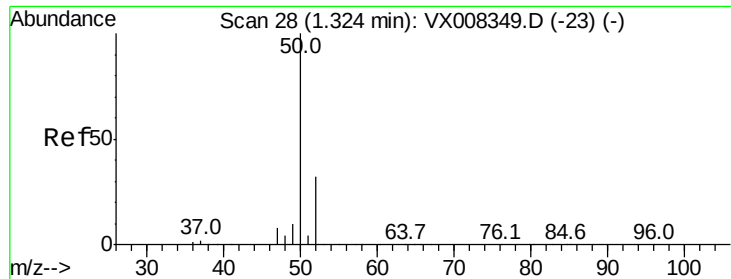
Tgt Ion: 85 Resp: 108519

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1





#3

Chloromethane

Concen: 47.733 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 50 Resp: 159671

Ion Ratio Lower Upper

50 100

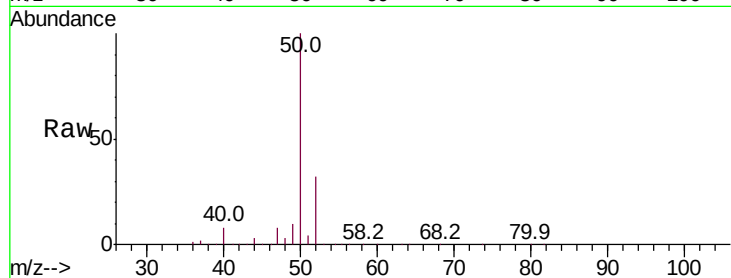
52 32.0 26.5 39.7

Manual Integrations

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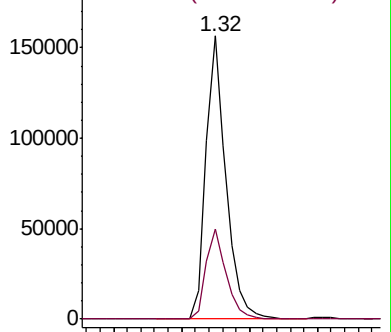
MMDadoda

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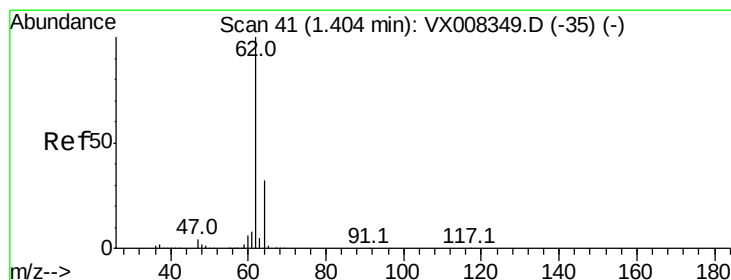
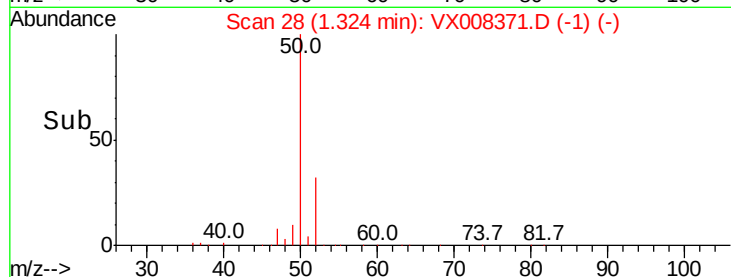


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 48.268 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008371.D

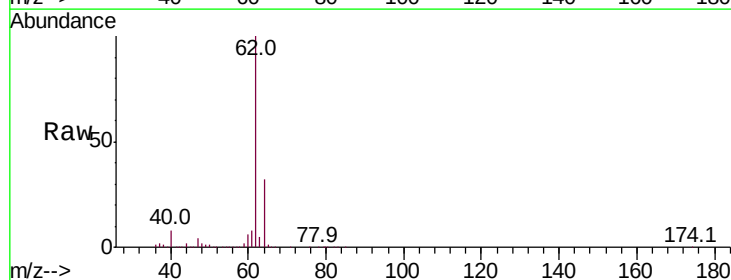
Acq: 23 Mar 2019 23:36

Tgt Ion: 62 Resp: 157590

Ion Ratio Lower Upper

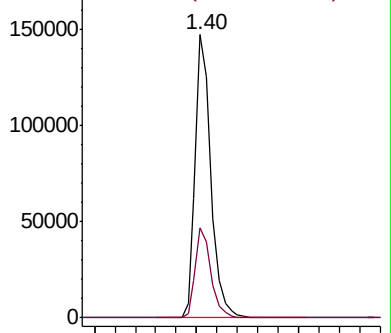
62 100

64 31.7 25.3 37.9

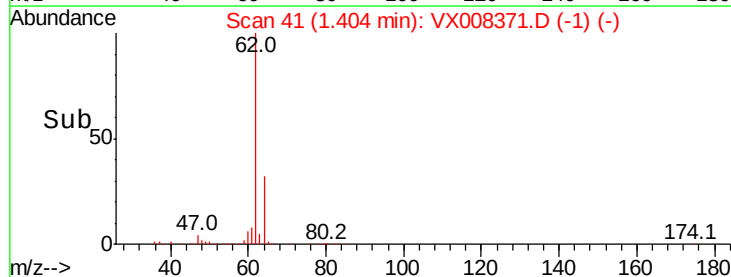


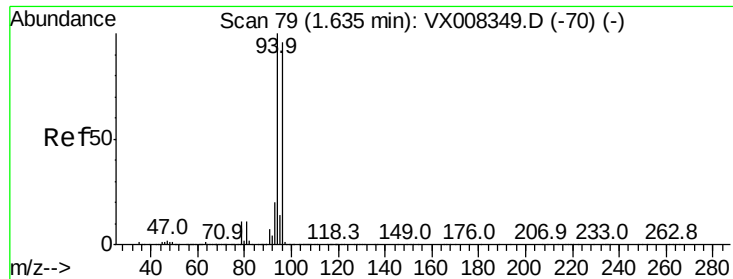
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 46.326 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

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Tot Ion: 94 Resp: 95243

Ion Ratio Lower Upper

94 100

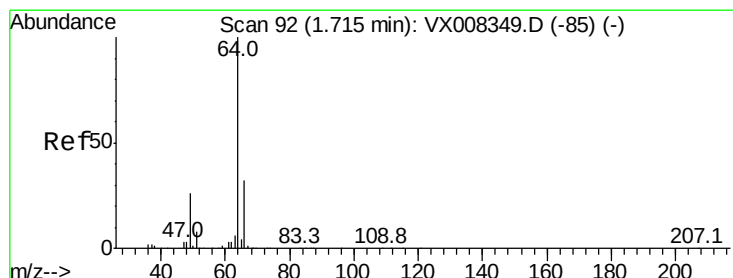
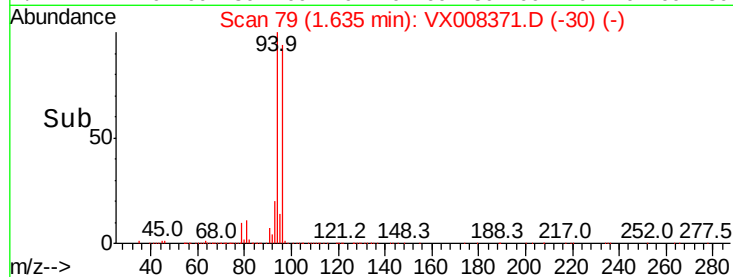
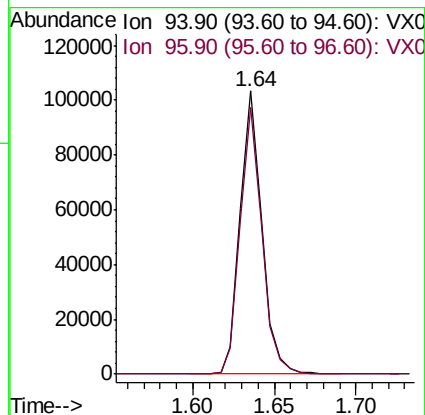
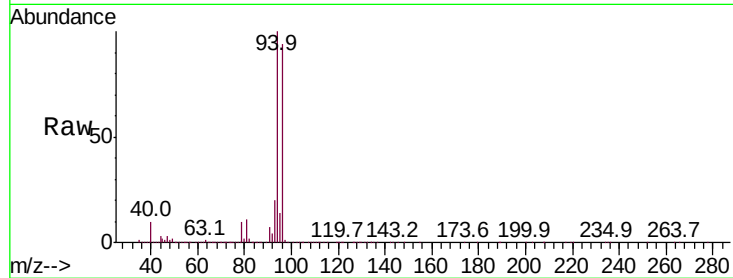
96 94.3 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 48.947 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008371.D

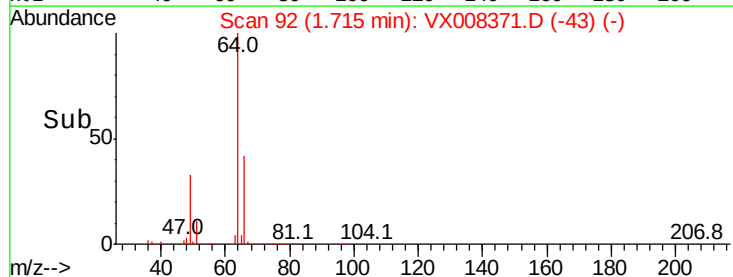
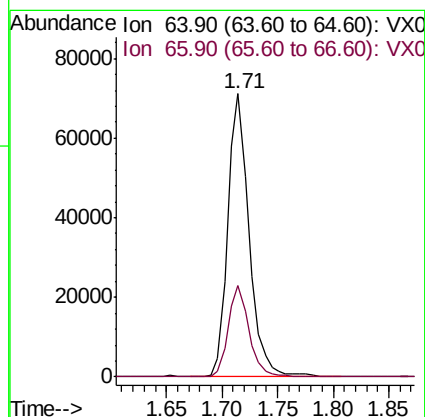
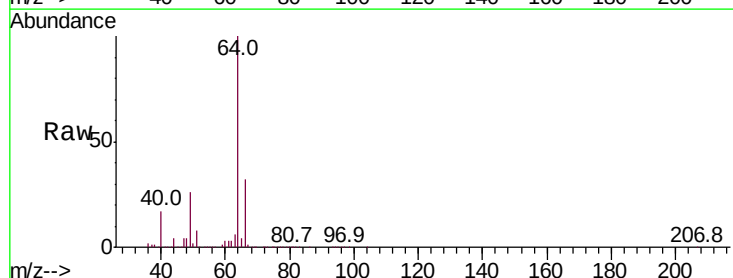
Acq: 23 Mar 2019 23:36

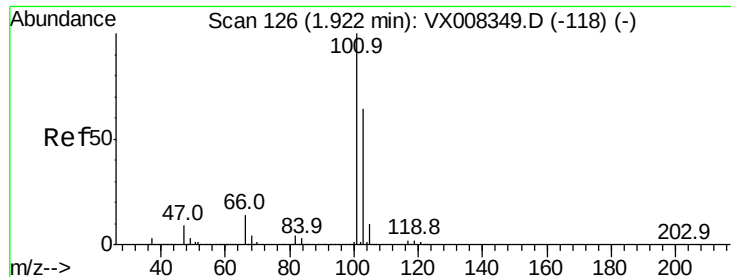
Tgt Ion: 64 Resp: 93593

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8





#7

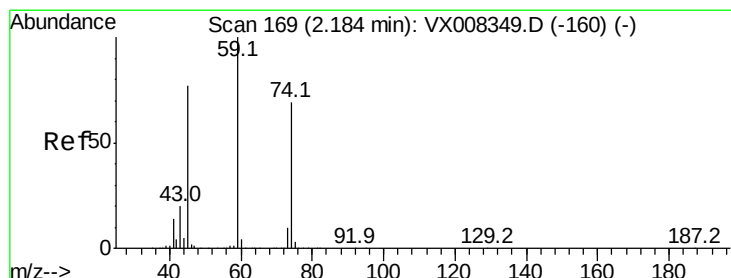
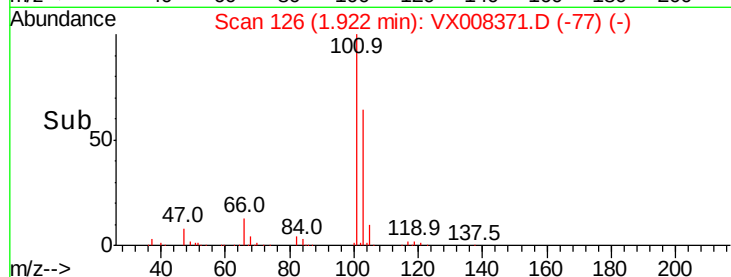
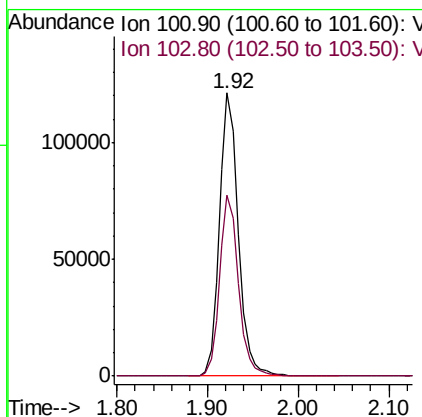
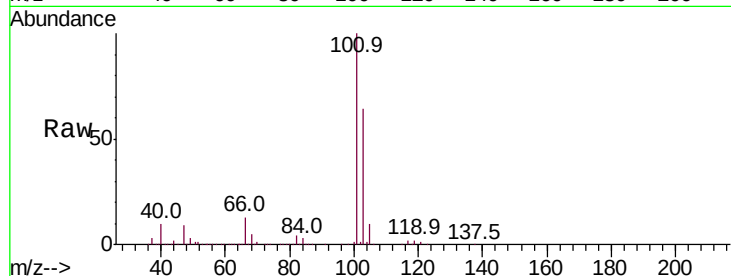
Trichlorofluoromethane
Concen: 47.430 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.4	75.6

Manual Integrations
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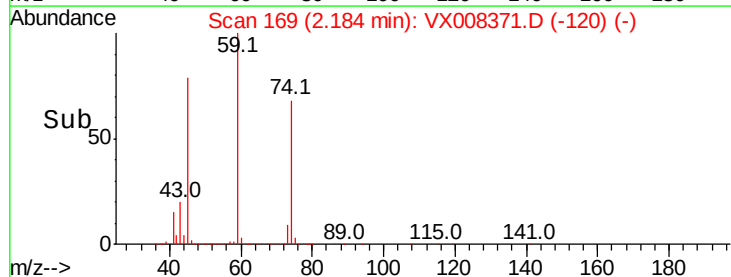
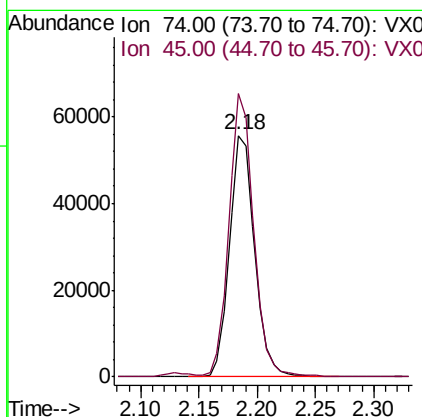
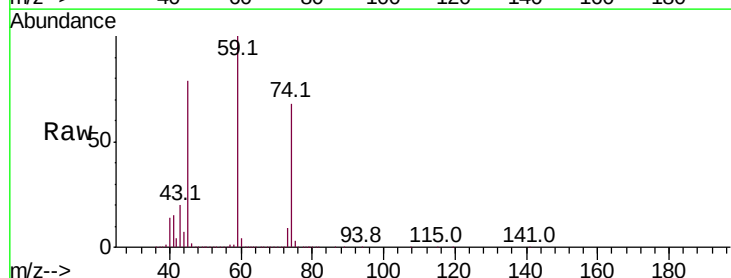
MMDadoda
3/25/2019 11:08:18 AM

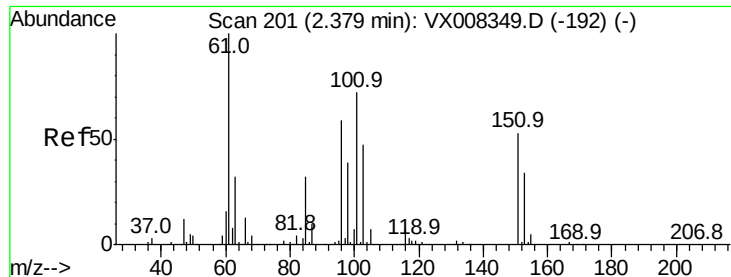


#8

Diethyl Ether
Concen: 47.060 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.8	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.435 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

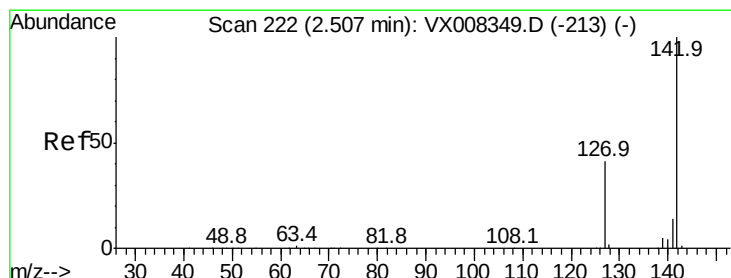
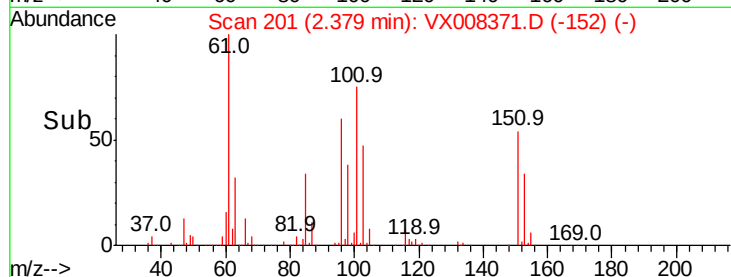
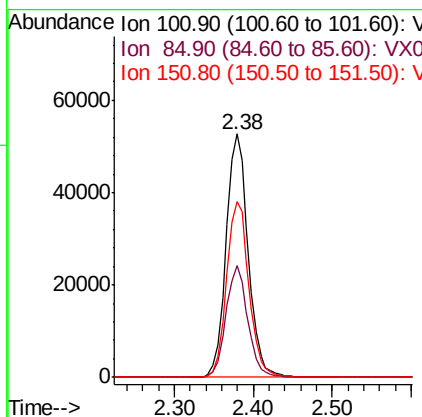
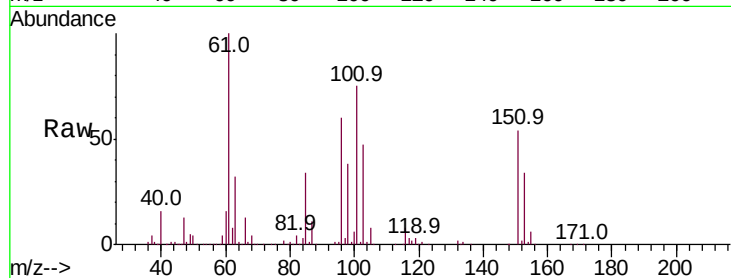
ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:	101	Resp:	102130
Ion Ratio	Lower	Upper	
101	100		
85	45.4	33.8	50.6
151	73.4	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 47.106 ug/l

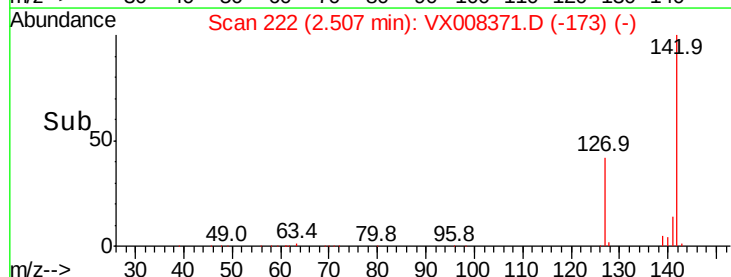
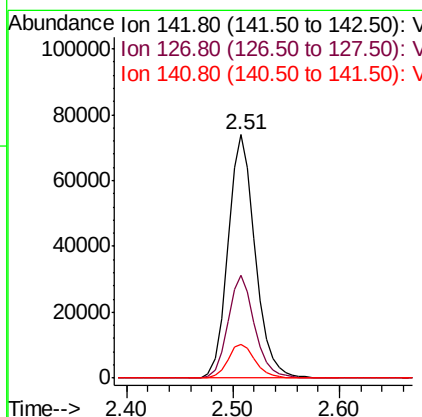
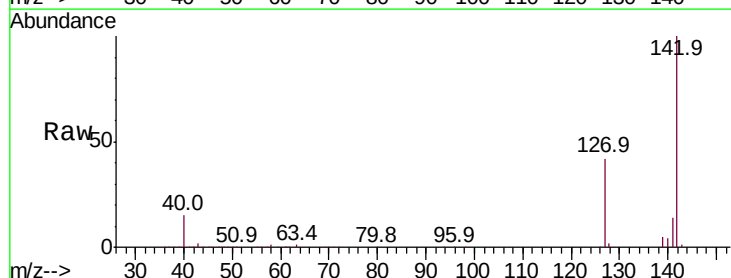
RT: 2.51 min Scan# 222

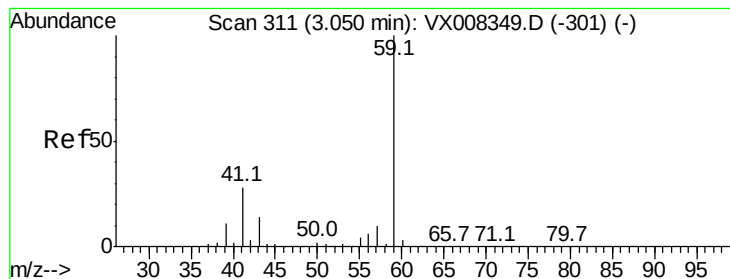
Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Tgt Ion:	142	Resp:	131444
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.1	48.1
141	14.2	11.4	17.2





#11

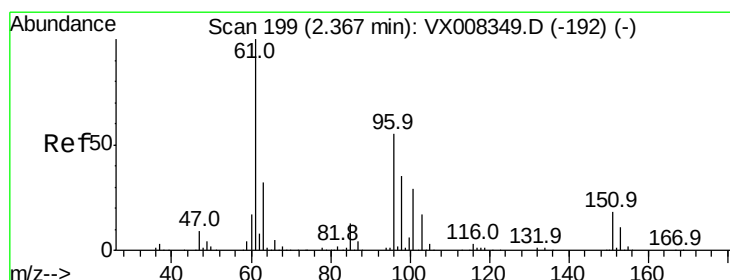
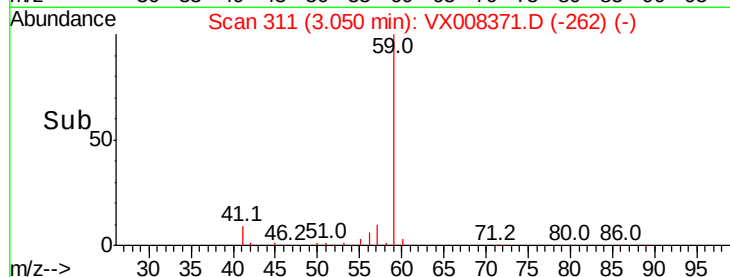
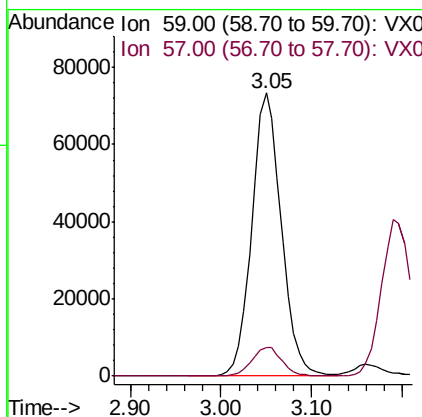
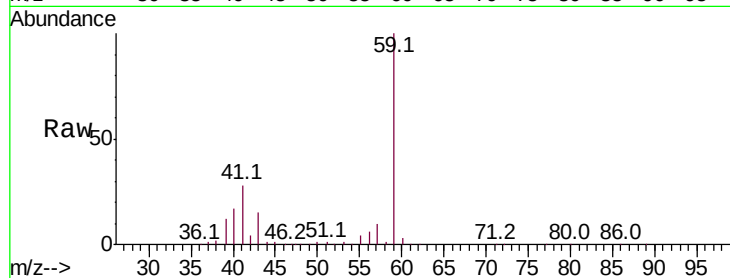
Tert butyl alcohol
Concen: 243.864 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion: 59 Resp: 165139
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

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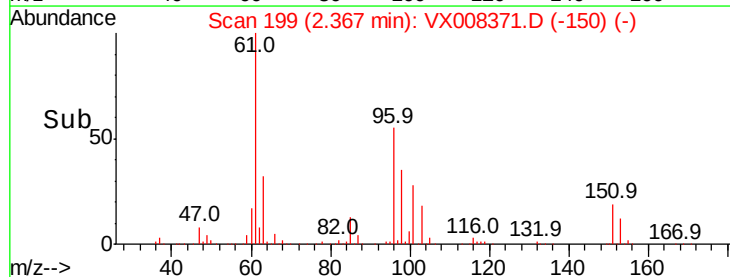
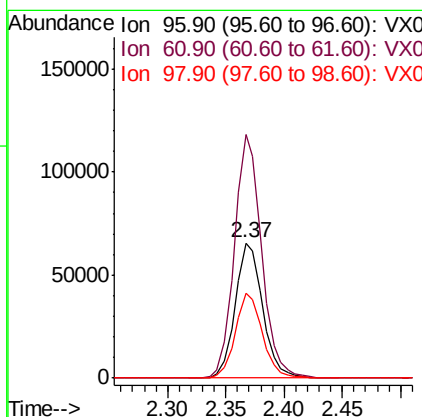
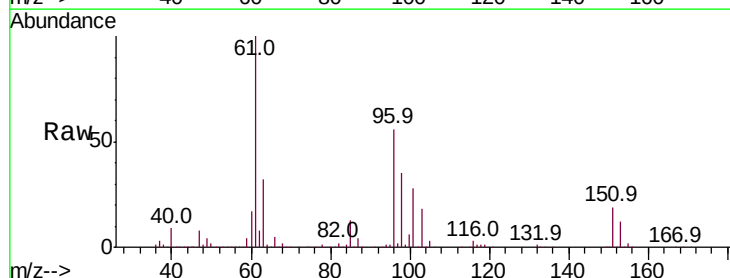
MMDadoda
3/25/2019 11:08:18 AM

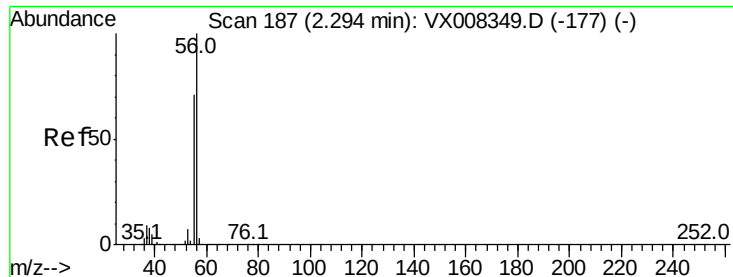


#12

1,1-Dichloroethene
Concen: 47.442 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion: 96 Resp: 107710
Ion Ratio Lower Upper
96 100
61 180.1 129.8 194.6
98 63.2 51.0 76.6





#13

Acrolein

Concen: 223.648 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 56 Resp: 129417

Ion Ratio Lower Upper

56 100

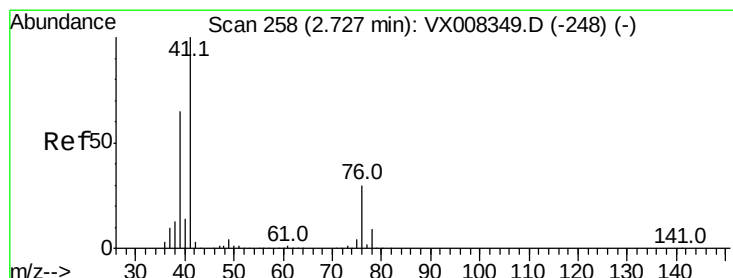
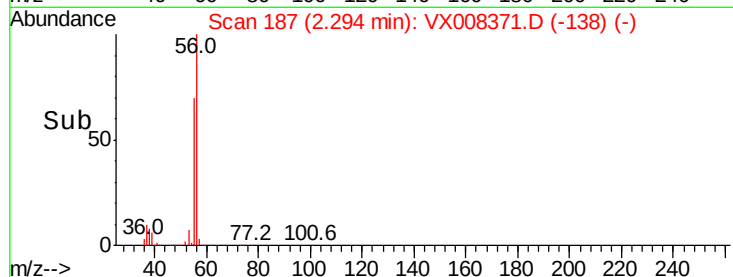
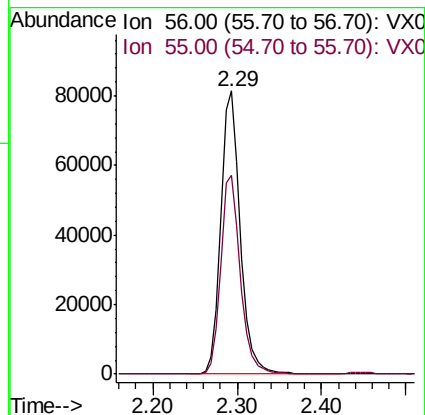
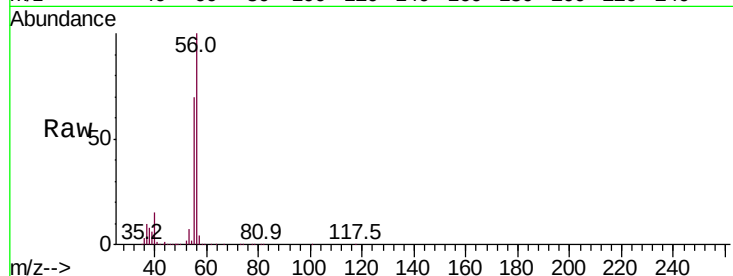
55 70.7 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 46.708 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

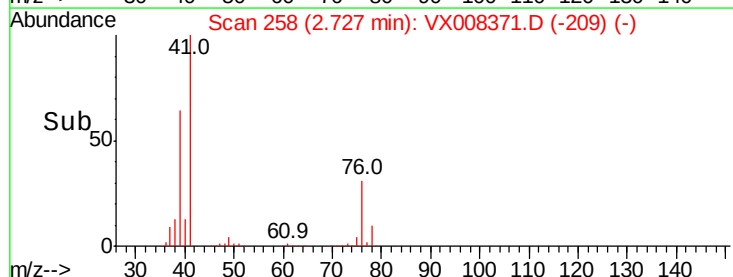
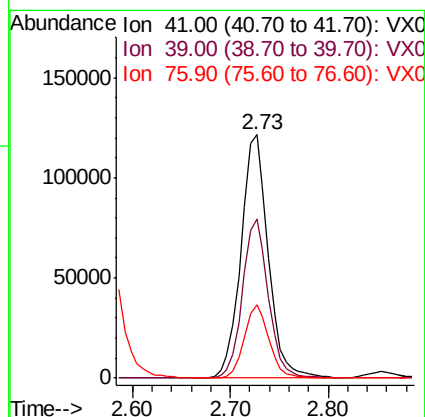
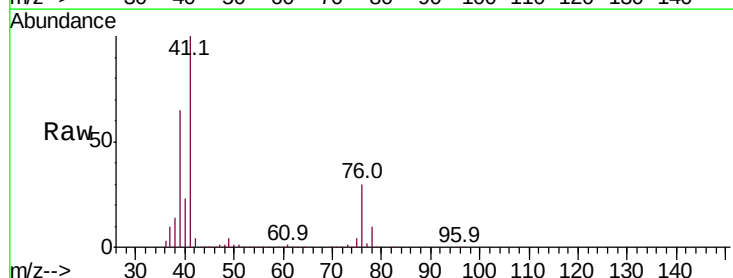
Tgt Ion: 41 Resp: 234593

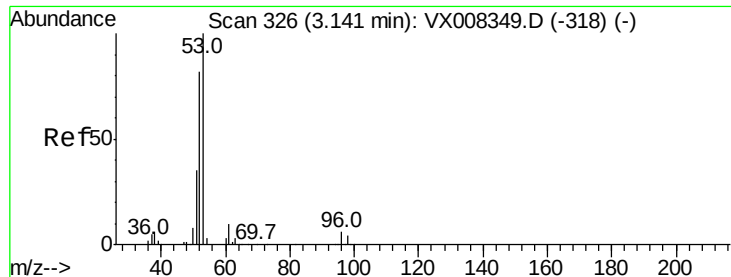
Ion Ratio Lower Upper

41 100

39 62.1 46.1 69.1

76 27.6 24.0 36.0





#15

Acrylonitrile

Concen: 241.601 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

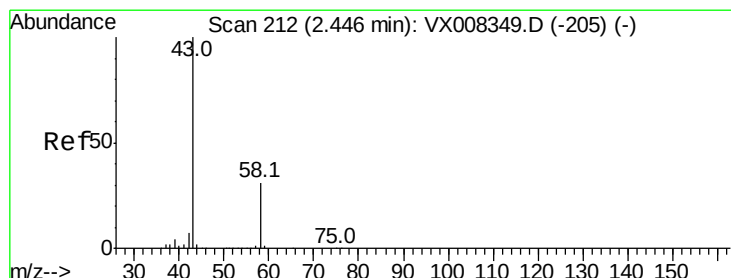
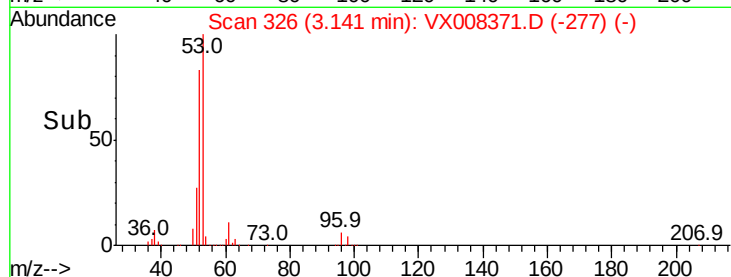
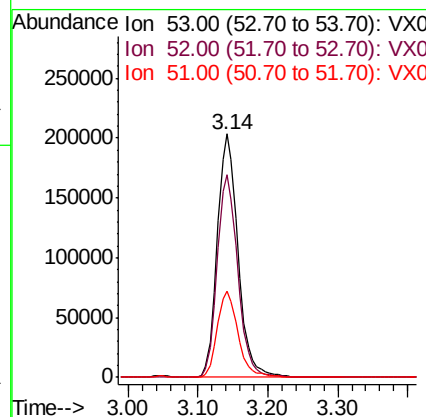
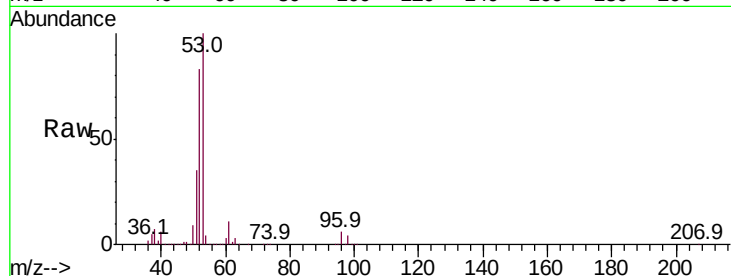
ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:	53	Resp:	418970
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.0	99.0
51	35.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 235.914 ug/l

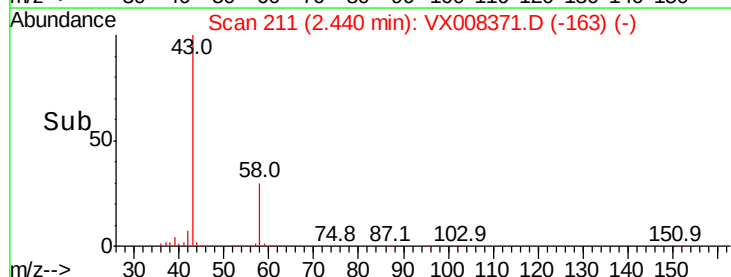
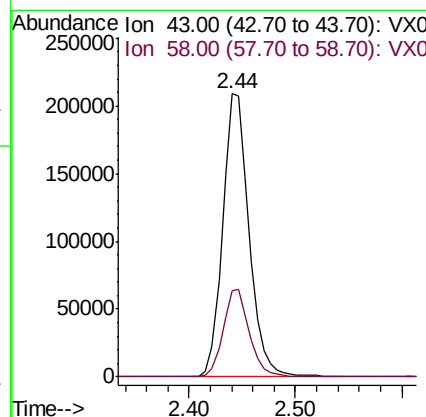
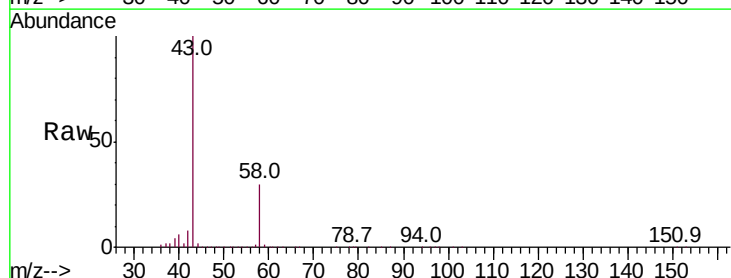
RT: 2.44 min Scan# 211

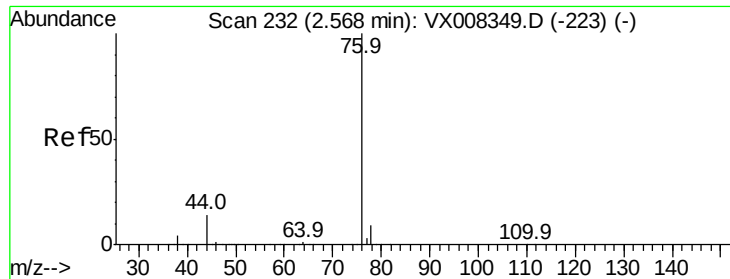
Delta R.T. -0.01 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Tgt Ion:	43	Resp:	358500
Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.5	38.3





#17

Carbon Disulfide

Concen: 44.552 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 76 Resp: 323435

Ion Ratio Lower Upper

76 100

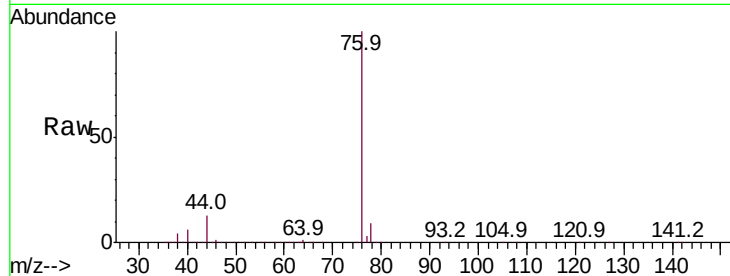
78 9.0 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

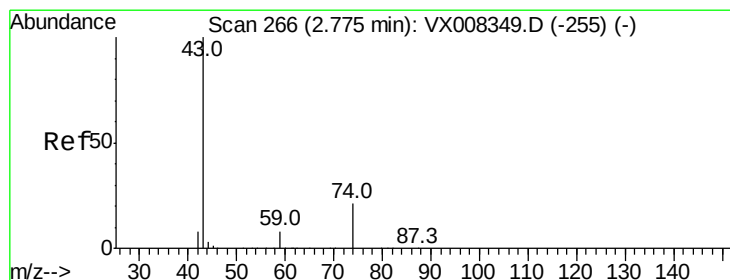
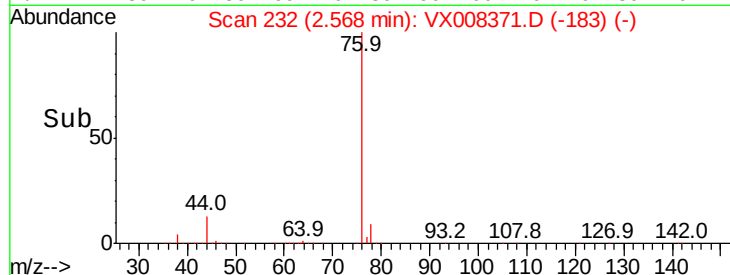
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 43.456 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008371.D

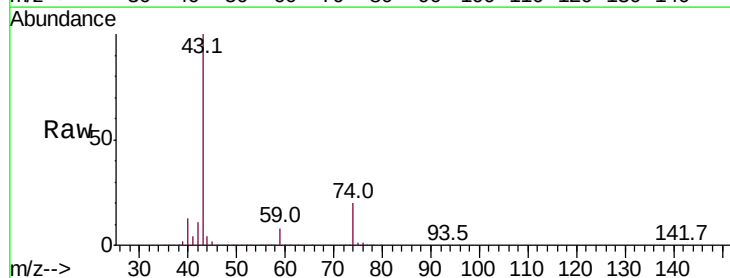
Acq: 23 Mar 2019 23:36

Tgt Ion: 43 Resp: 165296

Ion Ratio Lower Upper

43 100

74 21.0 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

60000

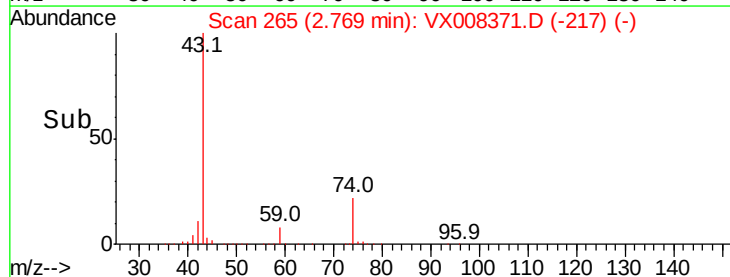
40000

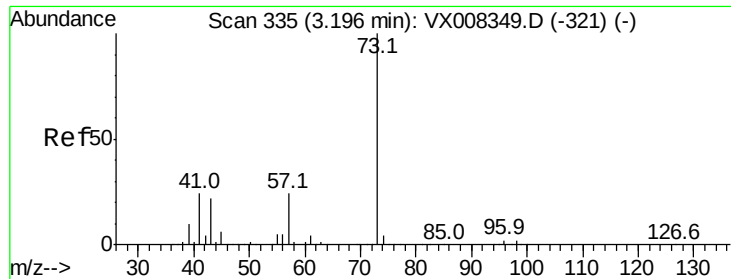
20000

0

2.70 2.80

Time-->





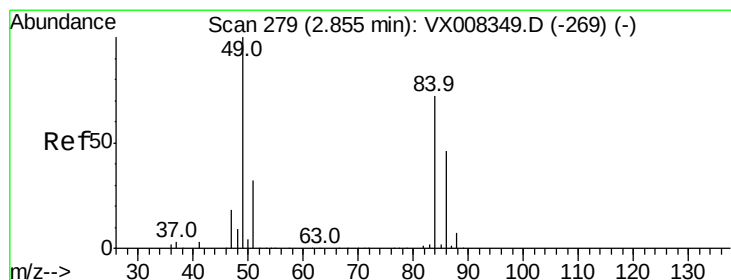
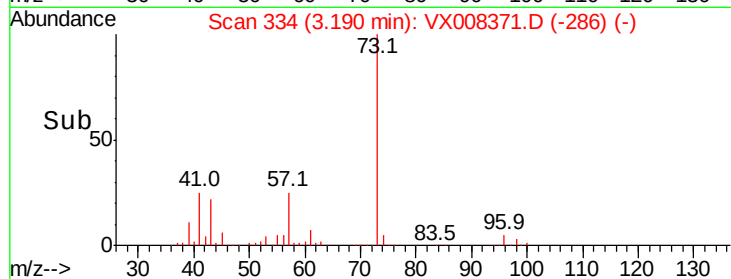
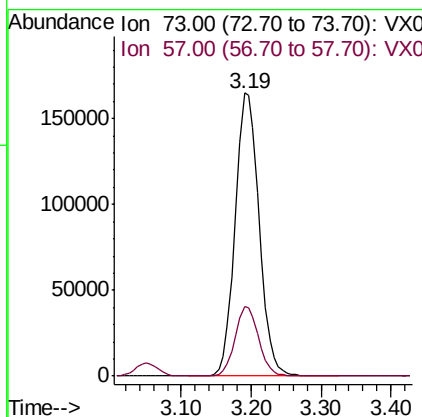
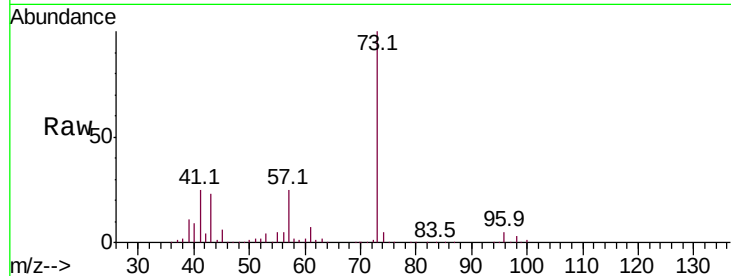
#19
Methyl tert-butyl Ether
Concen: 47.984 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion: 73 Resp: 392368
Ion Ratio Lower Upper
73 100
57 24.6 18.2 27.4

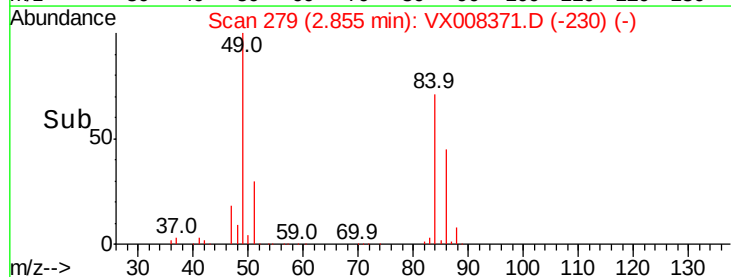
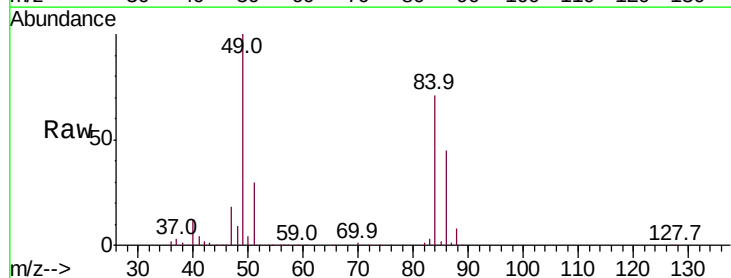
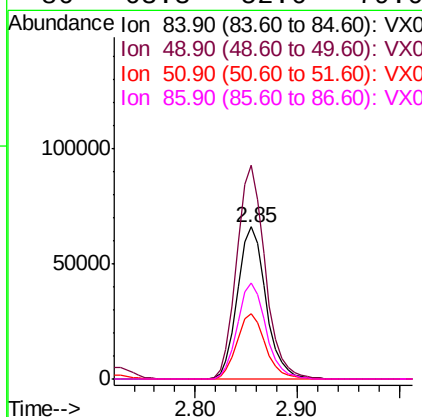
Manual Integrations
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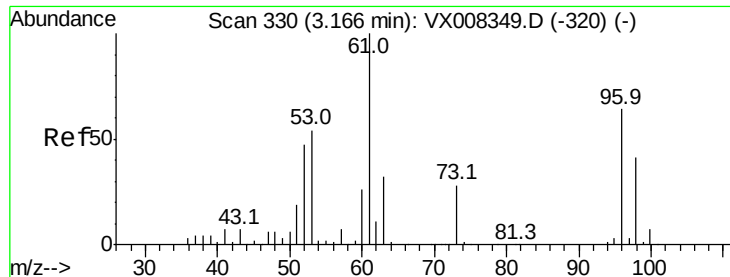
MMDadoda
3/25/2019 11:08:18 AM



#20
Methylene Chloride
Concen: 46.530 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion: 84 Resp: 127289
Ion Ratio Lower Upper
84 100
49 140.5 99.3 148.9
51 42.6 31.3 46.9
86 63.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 45.769 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 96 Resp: 112516

Ion Ratio Lower Upper

96 100

61 155.6 114.4 171.6

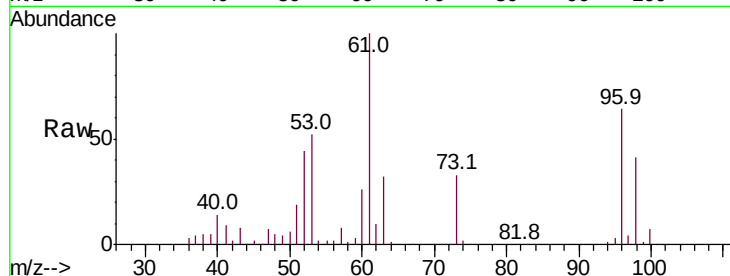
98 63.4 51.1 76.7

Manual Integrations

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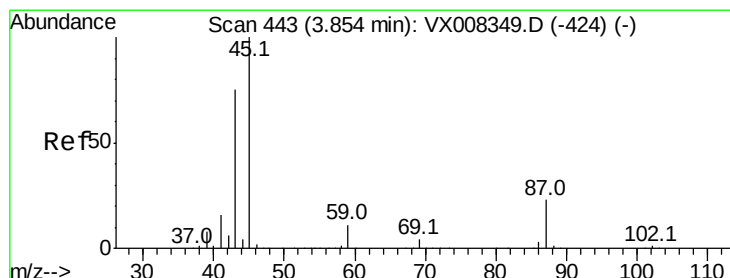
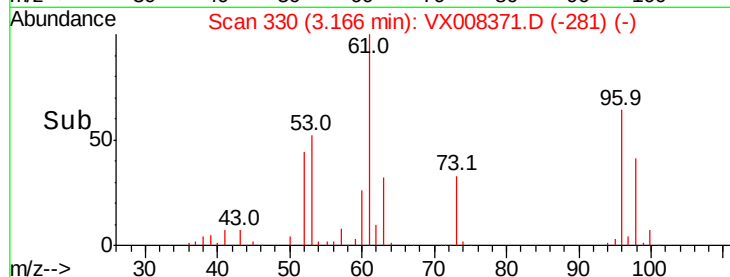
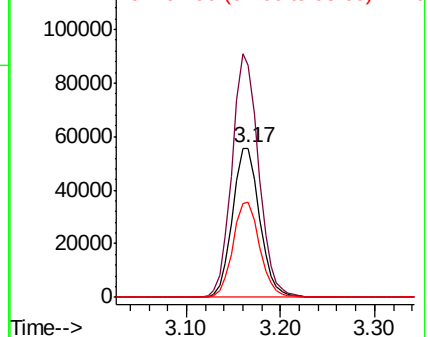


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.424 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Tgt Ion: 45 Resp: 473549

Ion Ratio Lower Upper

45 100

43 68.7 45.3 67.9#

87 22.8 21.4 32.0

59 10.7 9.5 14.3

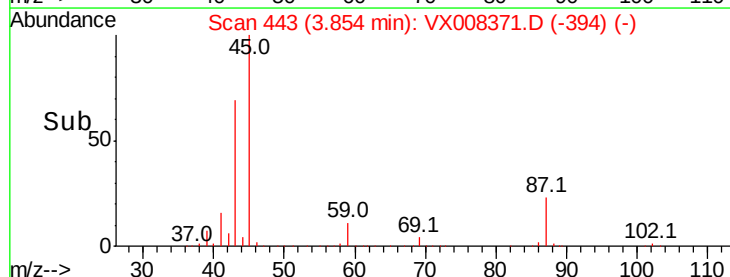
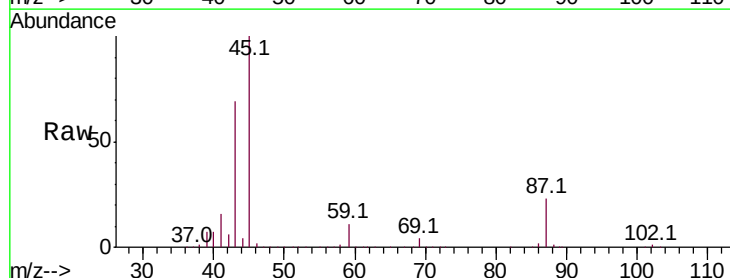
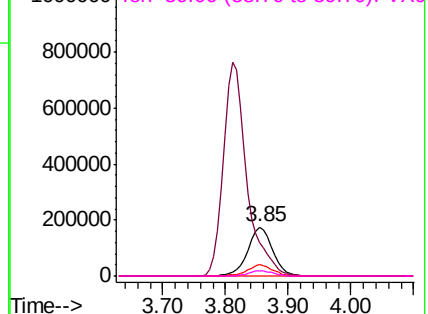
Abundance

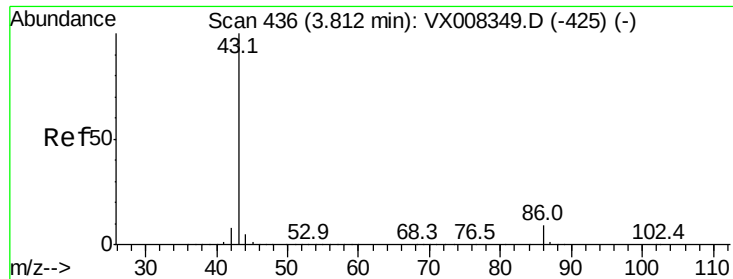
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 228.857 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 43 Resp: 1975987

Ion Ratio Lower Upper

43 100

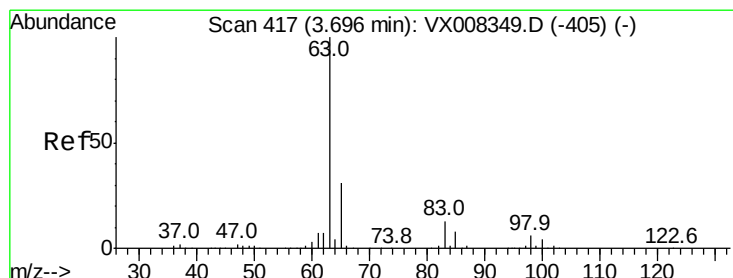
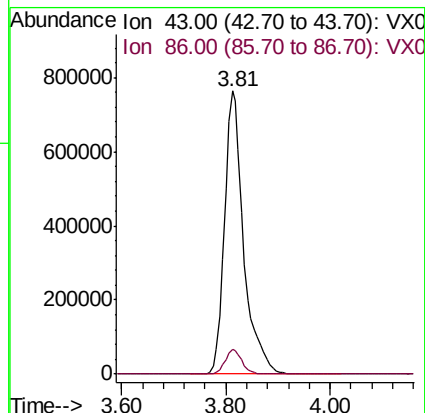
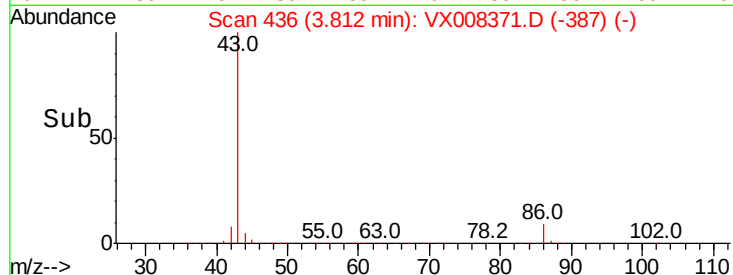
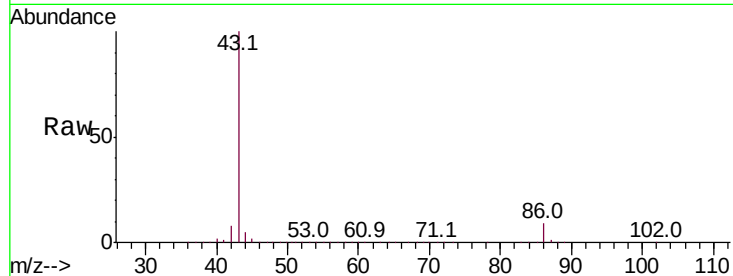
86 8.7 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.549 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

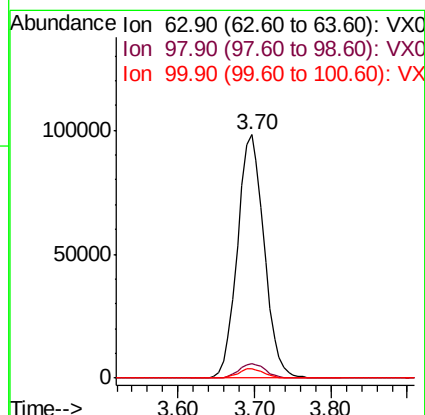
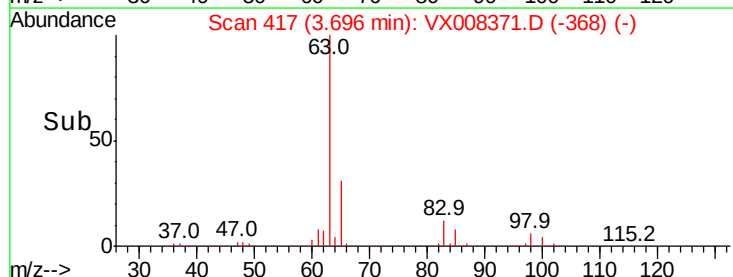
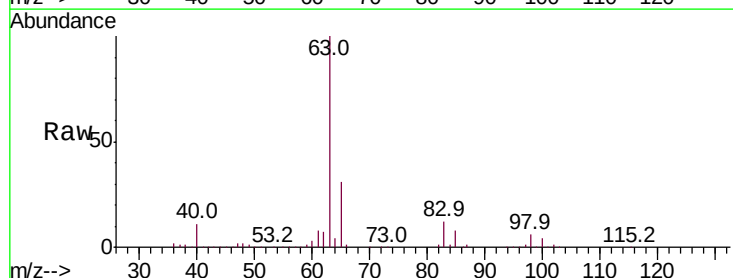
Tgt Ion: 63 Resp: 237077

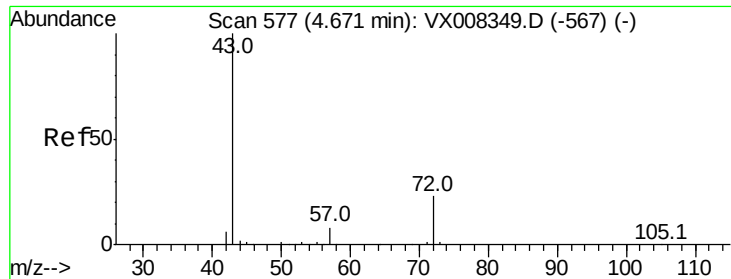
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 3.8 2.3 6.8





#25

2-Butanone

Concen: 243.017 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 43 Resp: 608082

Ion Ratio Lower Upper

43 100

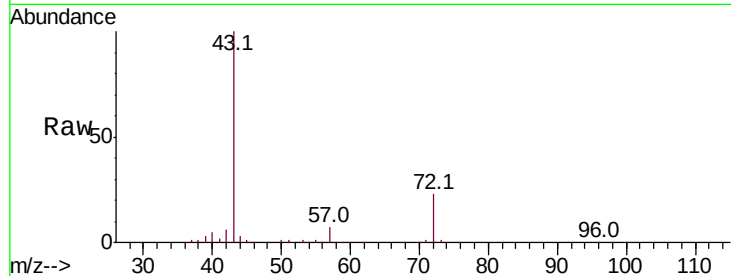
72 23.2 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

0

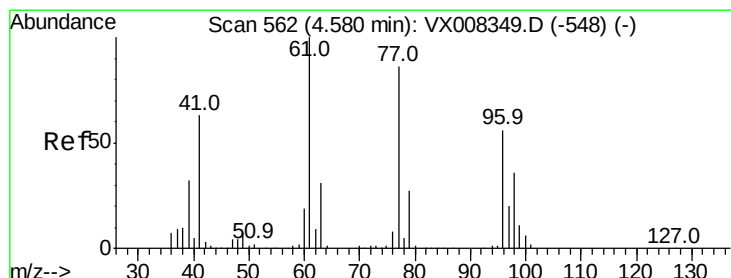
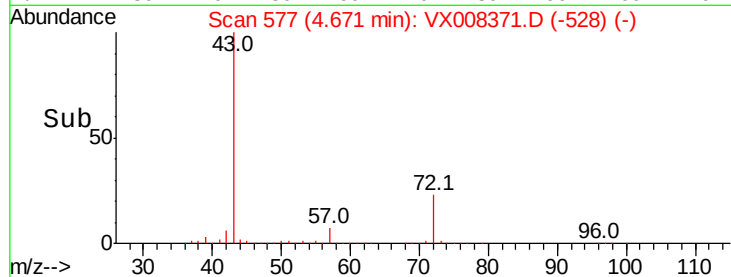
4.60

4.67

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 39.935 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX008371.D

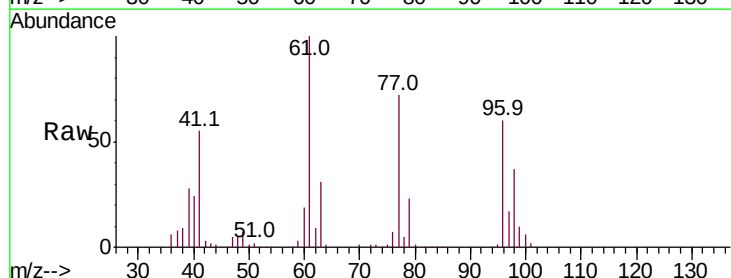
Acq: 23 Mar 2019 23:36

Tgt Ion: 77 Resp: 128283

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

4.40

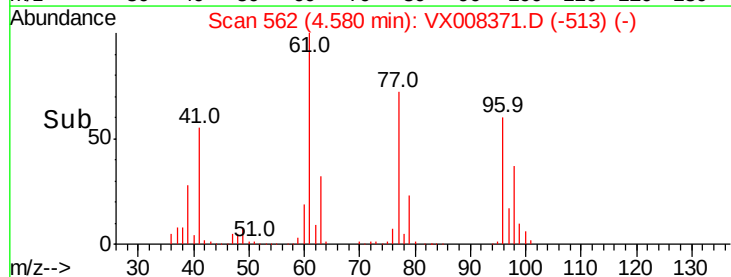
4.50

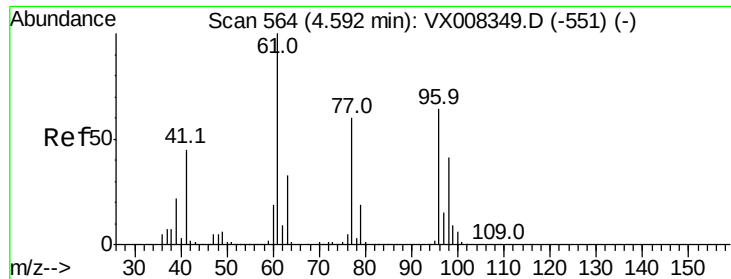
4.58

4.60

4.70

Time-->





#27

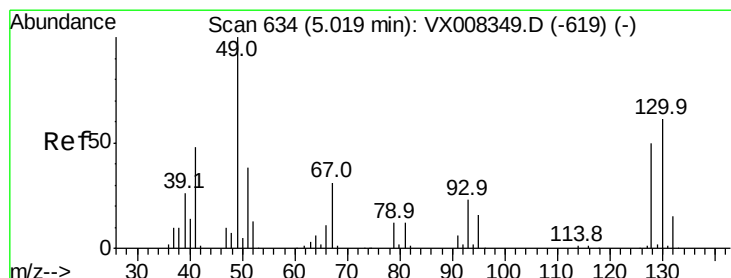
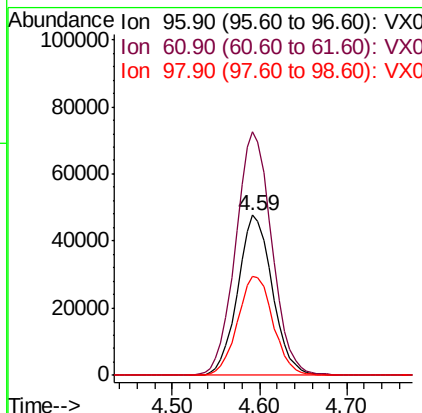
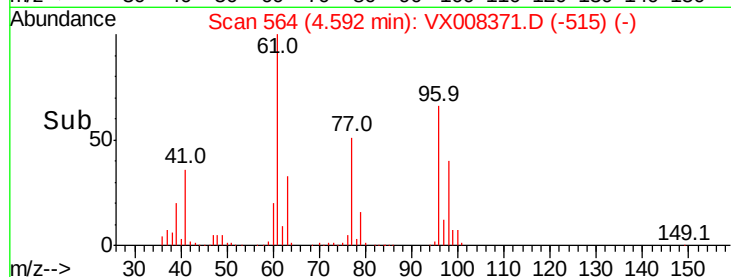
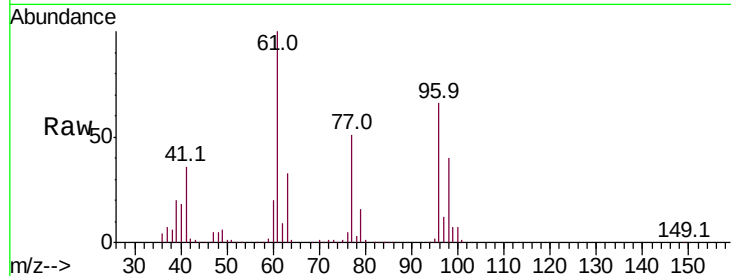
cis-1,2-Dichloroethene
 Concen: 46.596 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131198		
61	159.1	0.0	288.0	
98	63.6	0.0	129.0	

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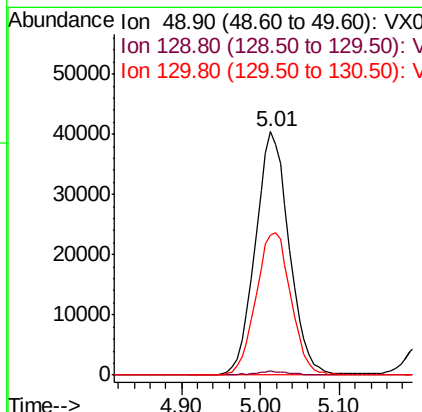
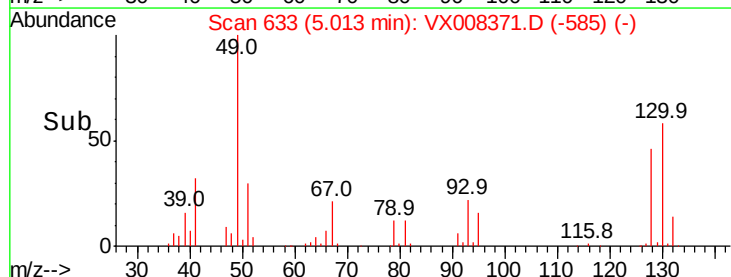
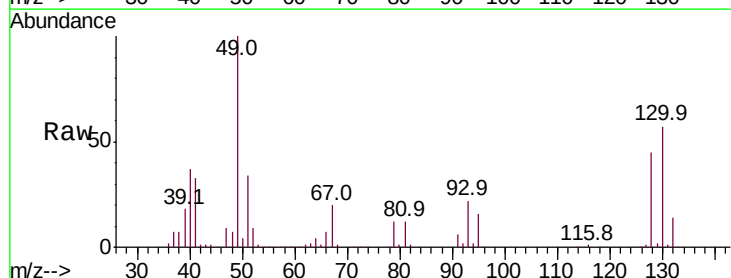
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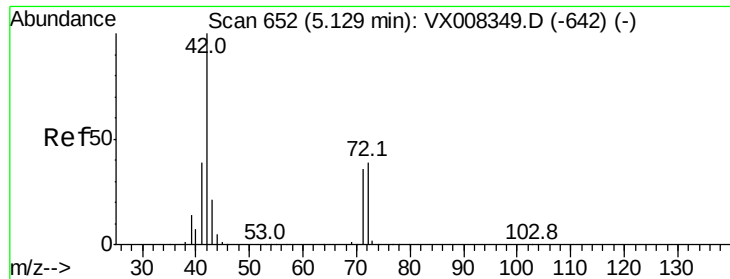


#28

Bromochloromethane
 Concen: 48.287 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120188		
129	1.6	0.0	4.0	
130	60.4	65.0	97.4#	





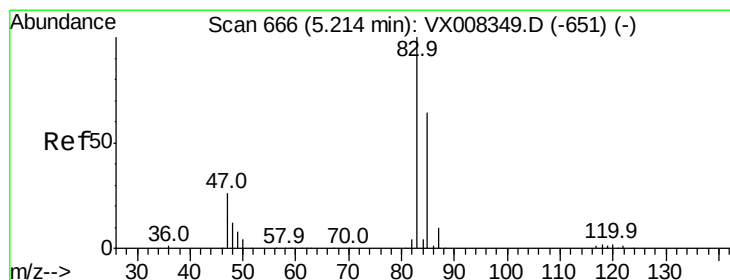
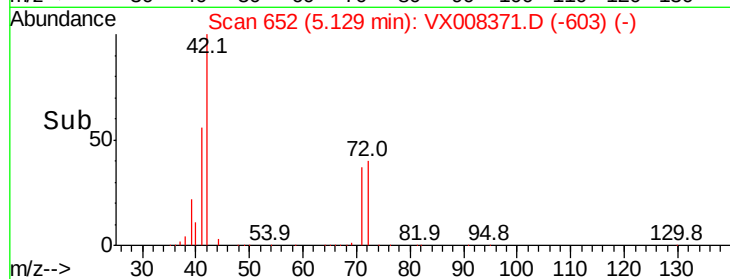
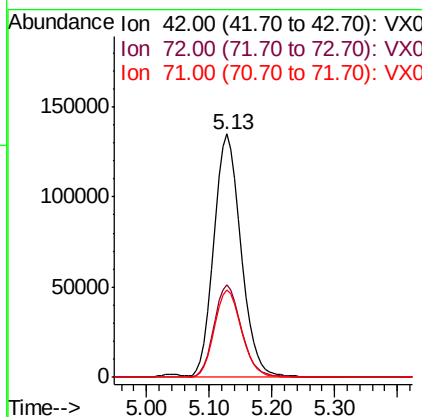
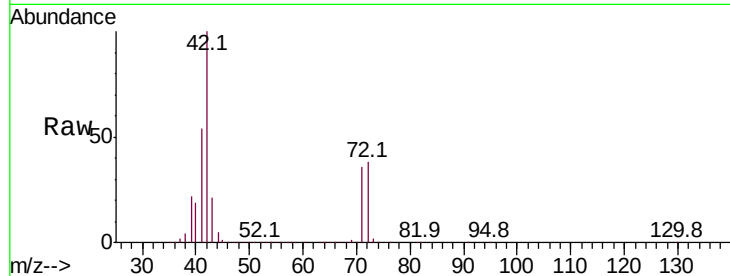
#29
Tetrahydrofuran
Concen: 242.983 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	33.8	50.6
71	36.3	31.5	47.3

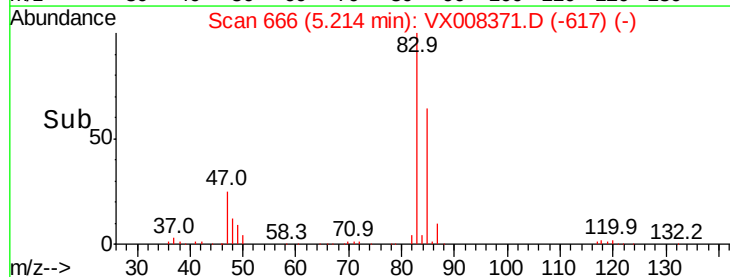
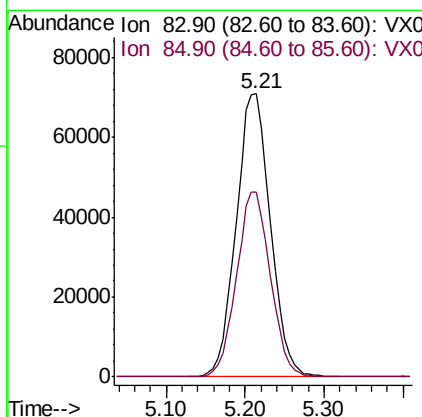
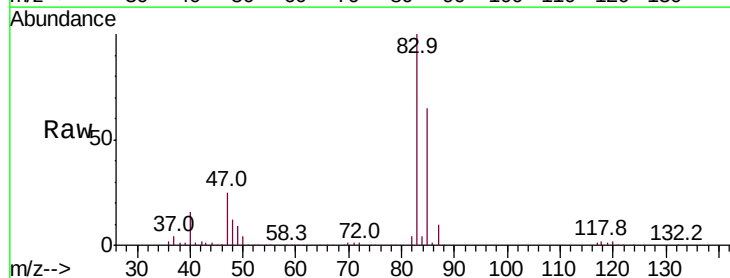
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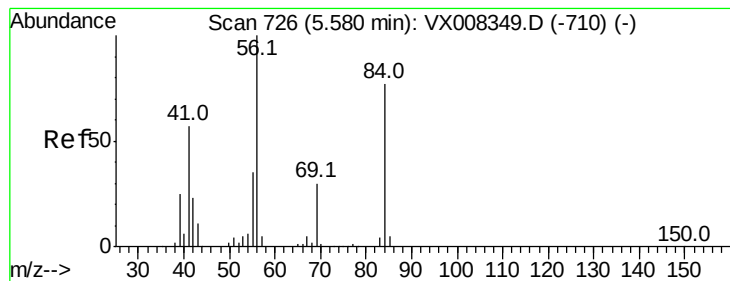
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#30
Chloroform
Concen: 47.548 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.6





#31

Cyclohexane

Concen: 47.399 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

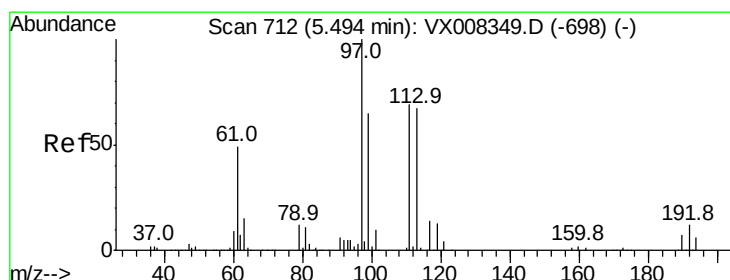
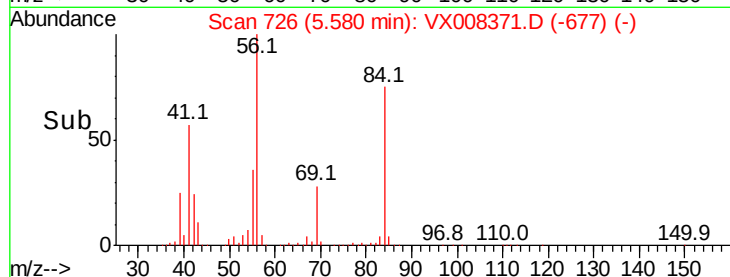
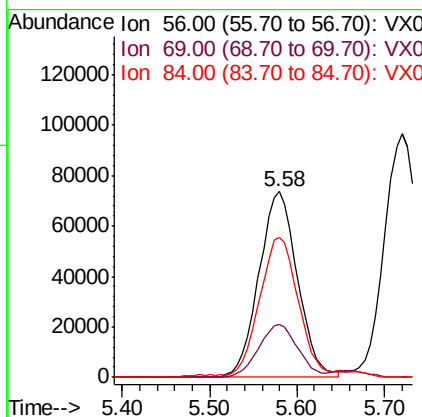
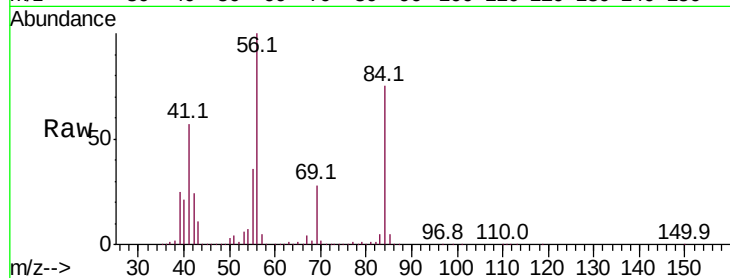
ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:	56	Resp:	226619
Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.0	36.0
84	74.5	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.095 ug/l

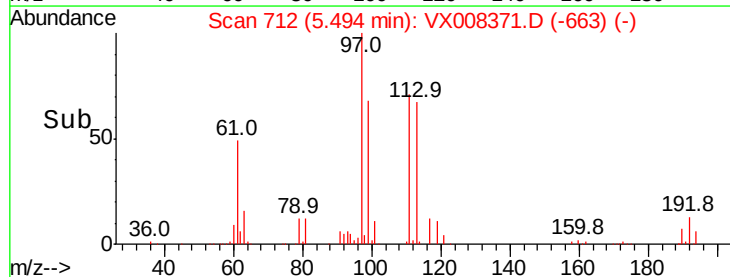
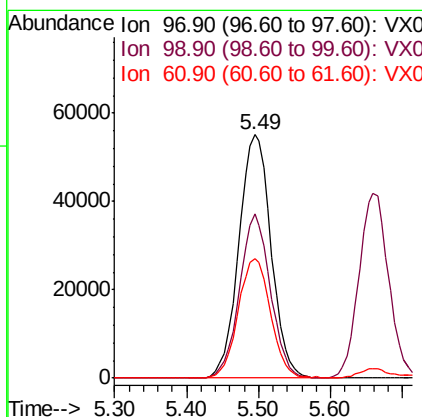
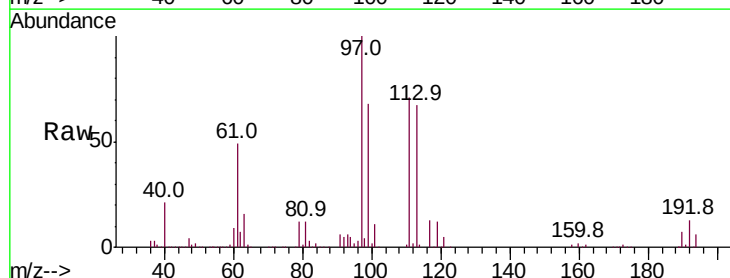
RT: 5.49 min Scan# 712

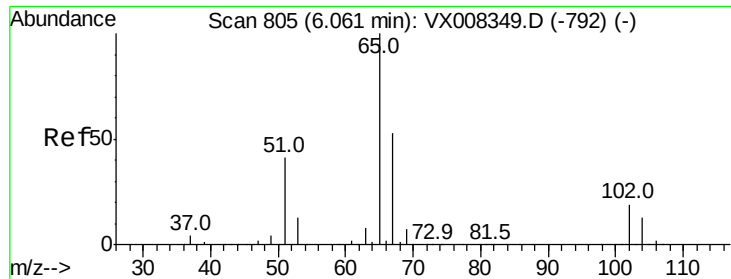
Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Tgt Ion:	97	Resp:	171049
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	49.7	34.9	52.3





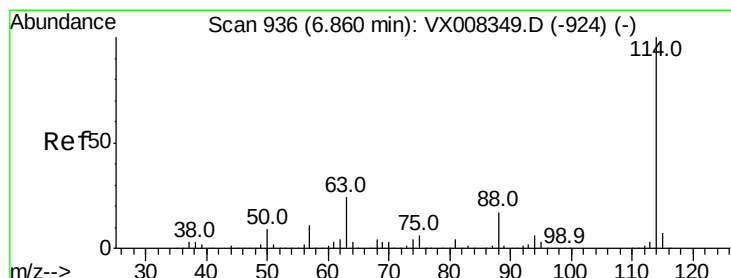
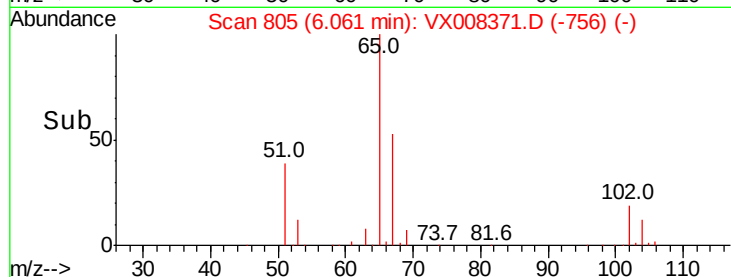
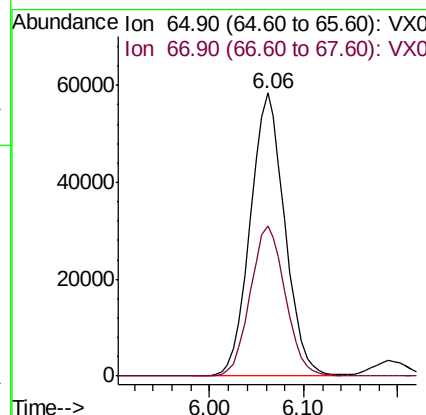
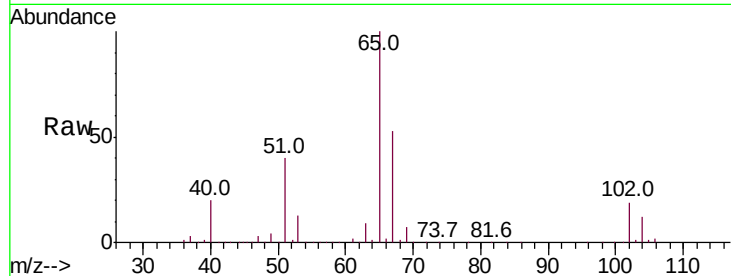
#33
 1,2-Dichloroethane-d4
 Concen: 49.256 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	110.0

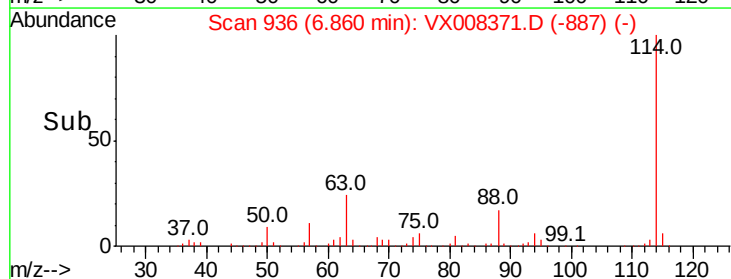
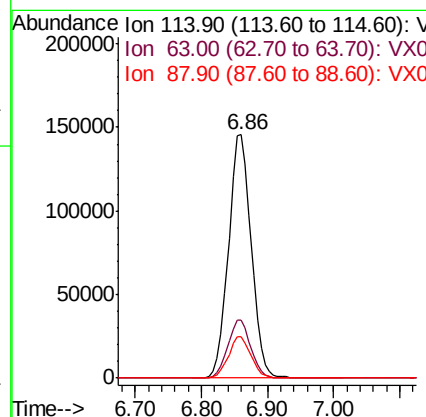
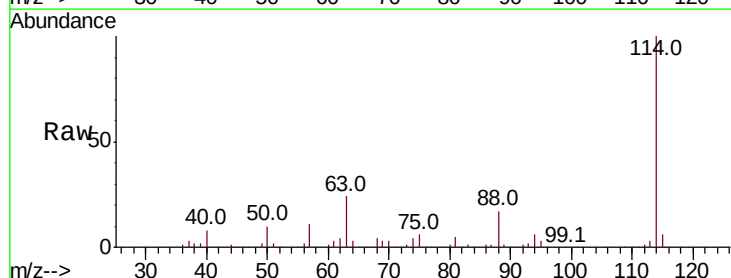
Manual Integrations
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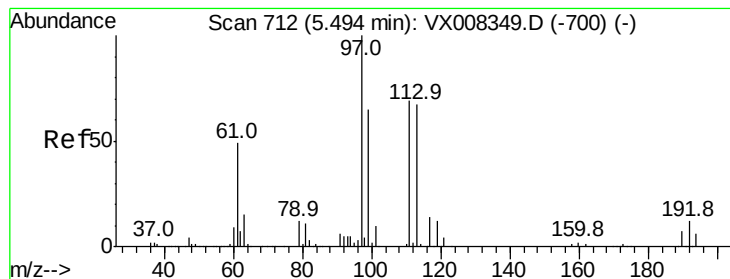
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	39.8
88	16.8	0.0	31.4





#35

Dibromofluoromethane

Concen: 48.478 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

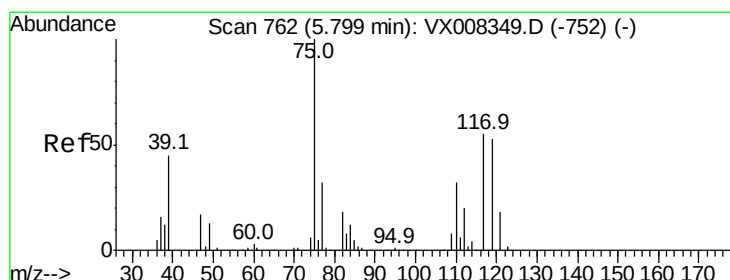
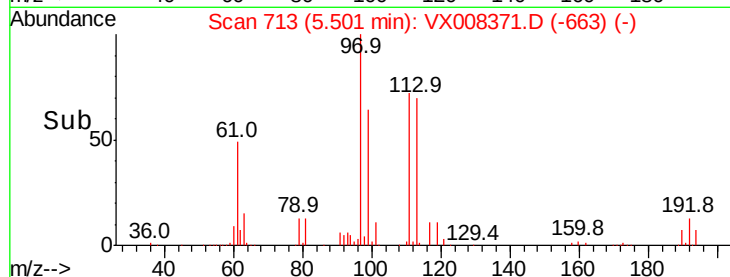
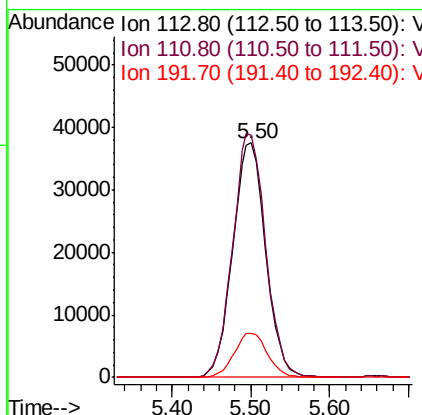
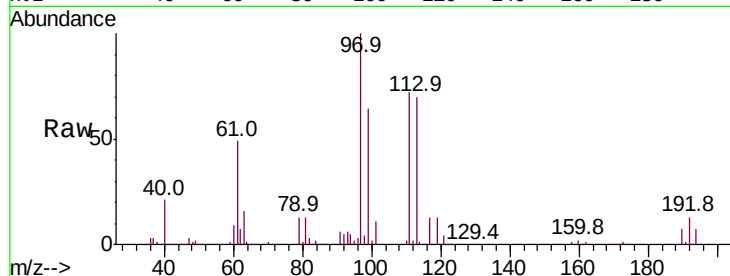
ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109124		
111	104.0	81.4	122.0	
192	19.1	19.4	29.0	

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#36

1,1-Dichloropropene

Concen: 46.772 ug/l

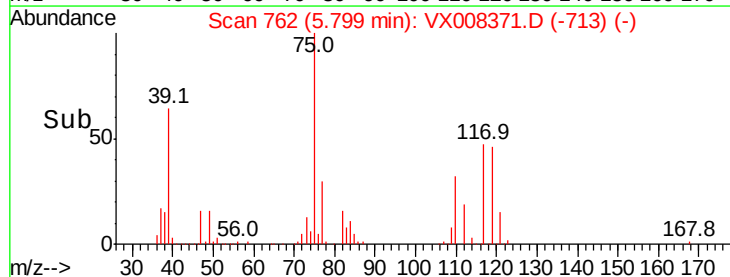
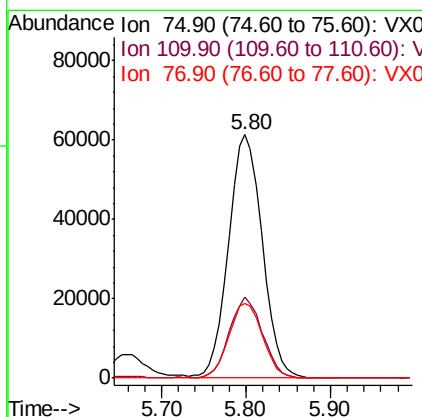
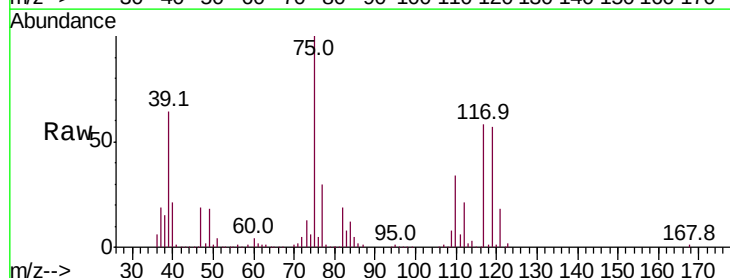
RT: 5.80 min Scan# 762

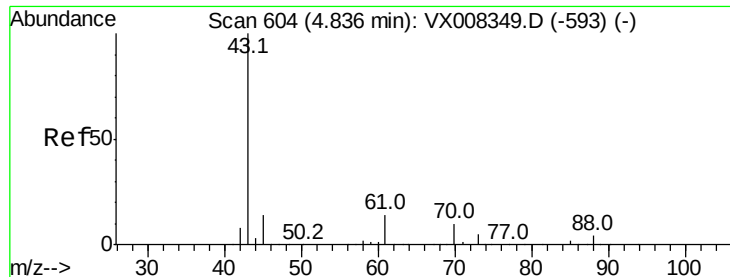
Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166053		
110	32.8	18.4	55.0	
77	30.7	25.0	37.4	





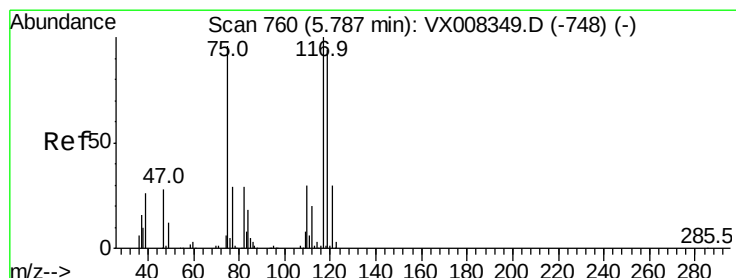
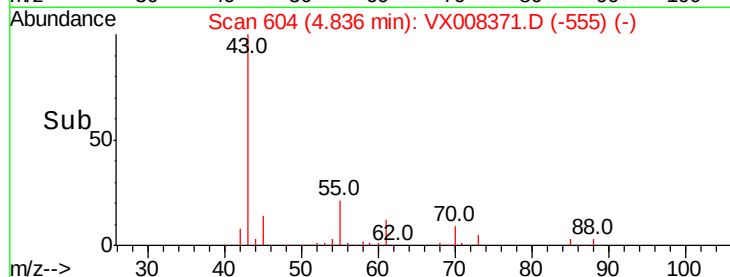
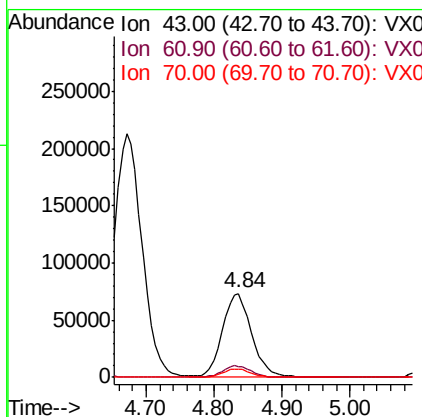
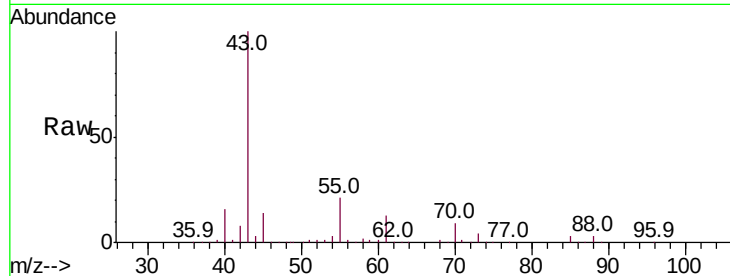
#37
Ethyl Acetate
Concen: 45.281 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion:	43	Resp:	217569
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	9.7	8.5	12.7

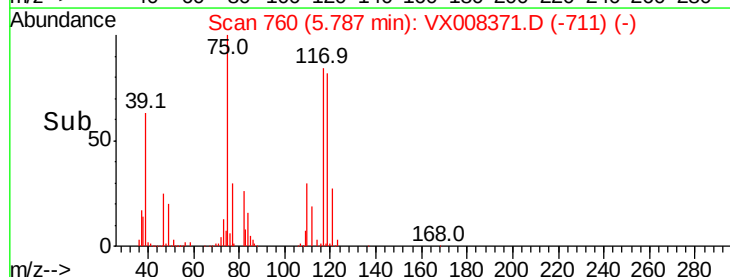
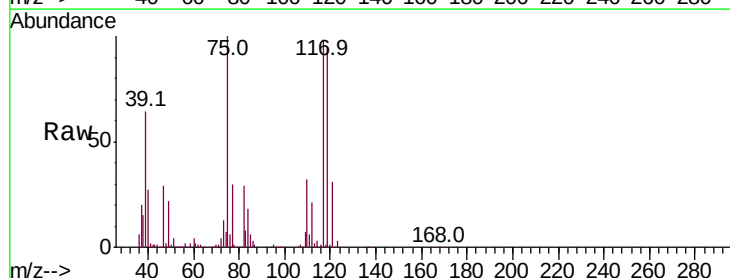
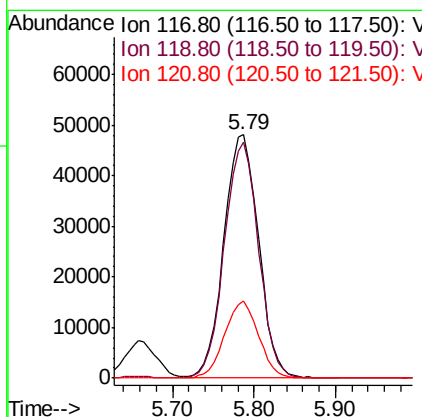
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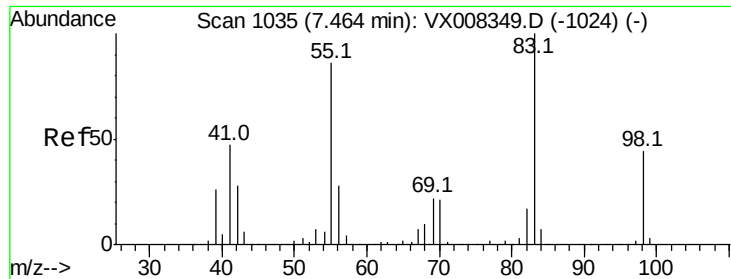
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#38
Carbon Tetrachloride
Concen: 46.636 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion:	117	Resp:	141928
Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.2
121	31.5	24.6	36.8





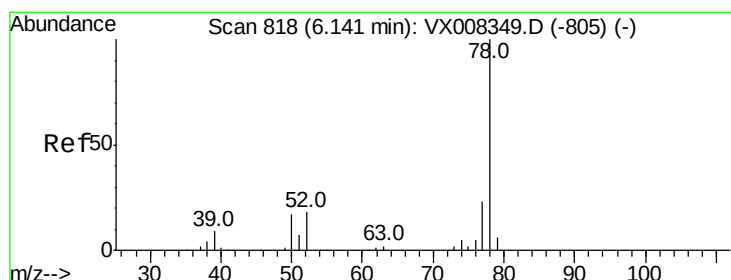
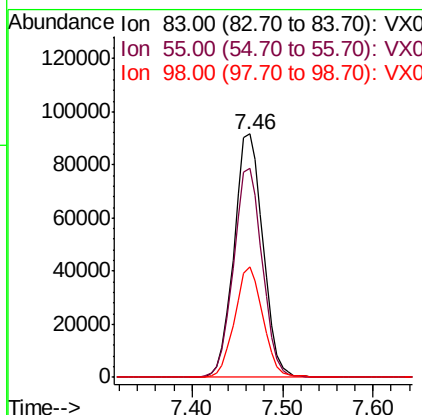
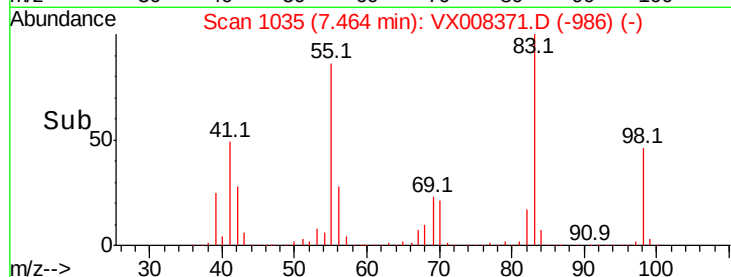
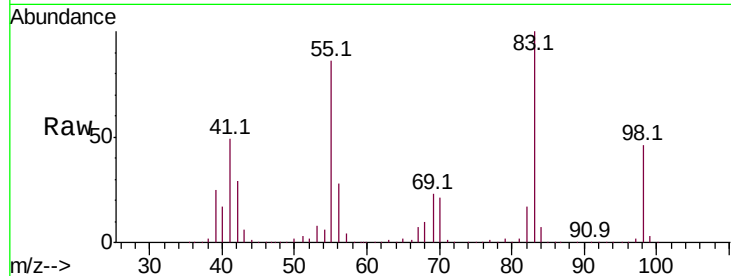
#39
Methylvlcyclohexane
Concen: 46.659 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	86.0	60.4	90.6	
98	45.6	36.5	54.7	

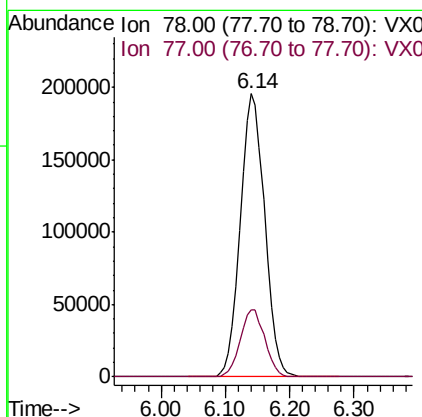
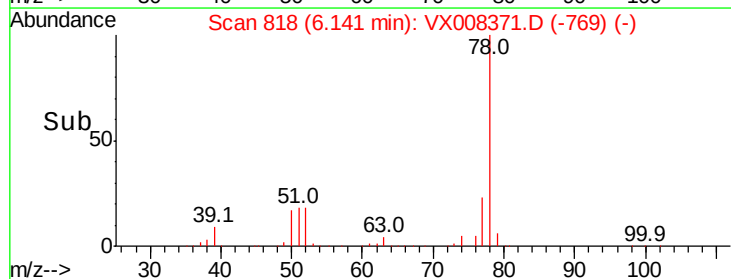
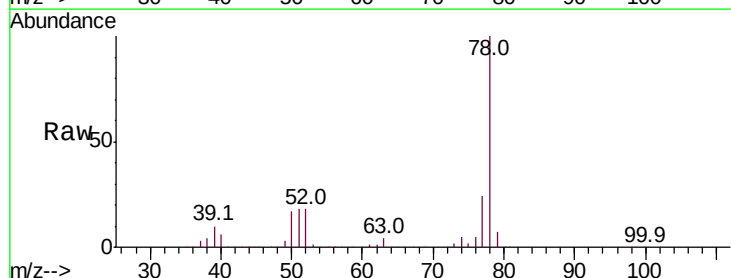
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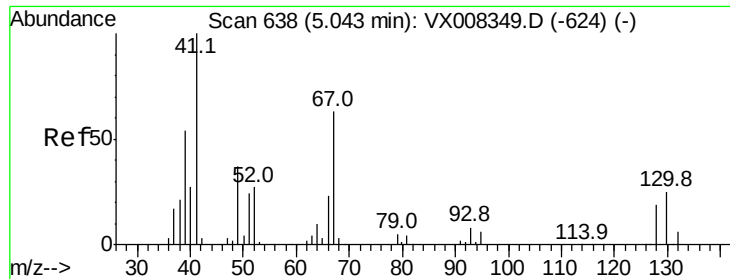
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#40
Benzene
Concen: 47.153 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	





#41

Methacrylonitrile

Concen: 49.893 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 41 Resp: 130669

Ion Ratio Lower Upper

41 100

39 53.0 41.6 62.4

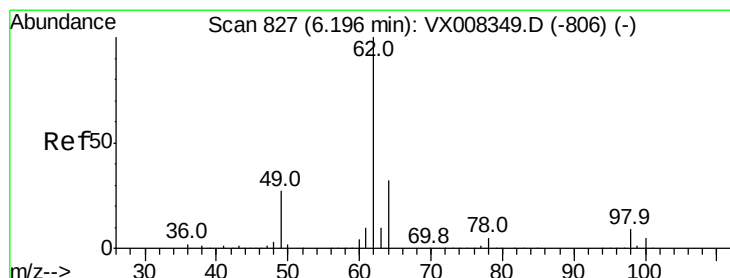
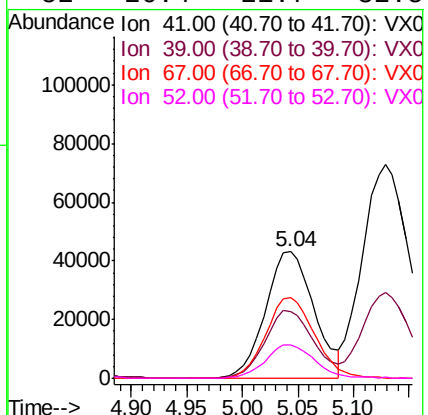
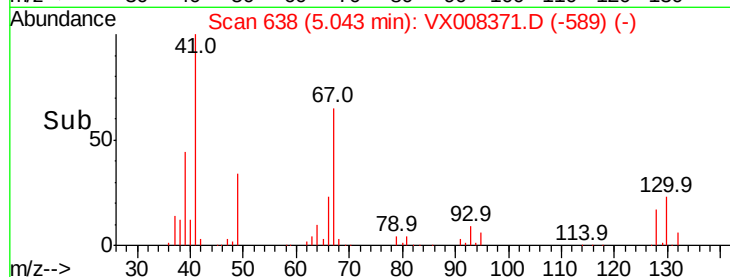
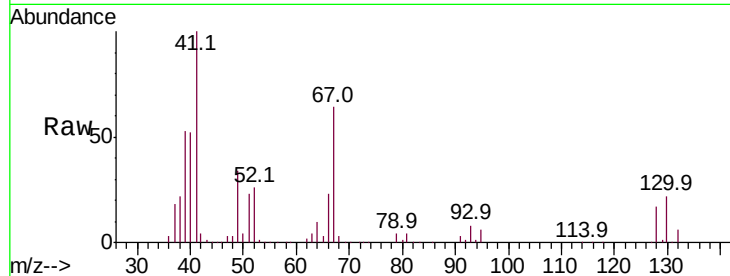
67 64.7 55.8 83.6

52 26.4 21.7 32.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 46.229 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX008371.D

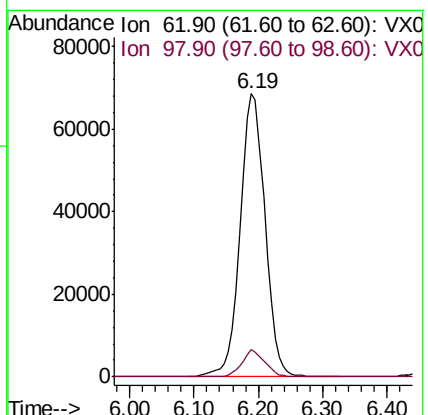
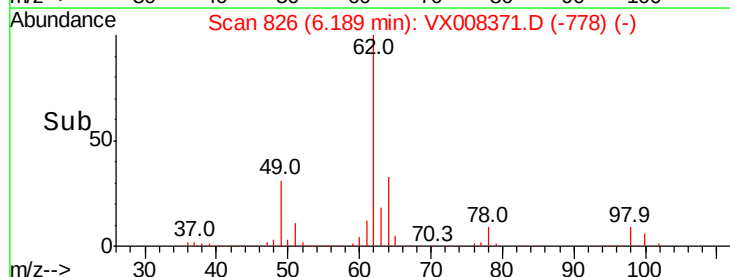
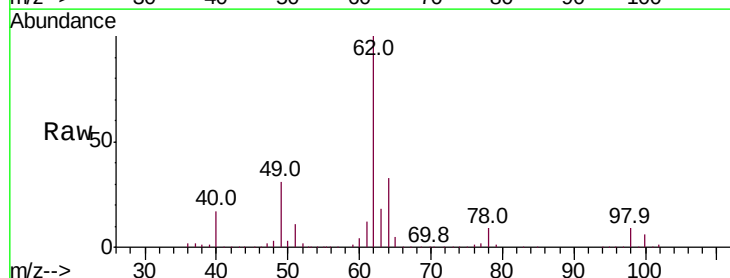
Acq: 23 Mar 2019 23:36

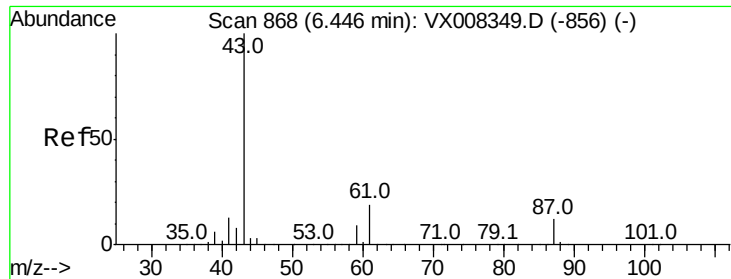
Tgt Ion: 62 Resp: 181388

Ion Ratio Lower Upper

62 100

98 8.9 0.0 20.4





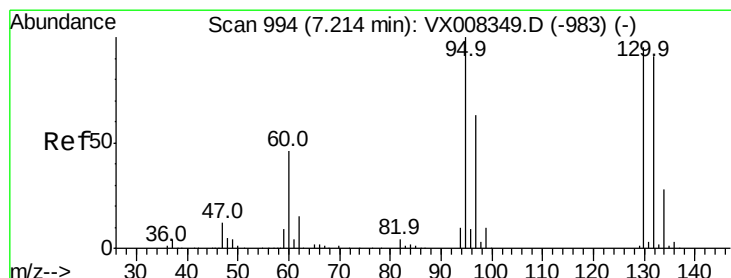
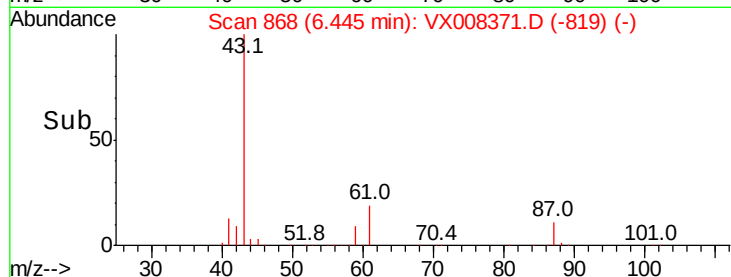
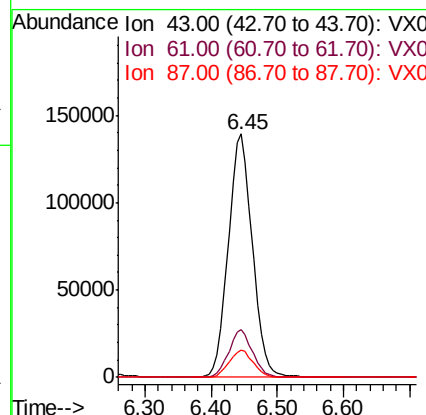
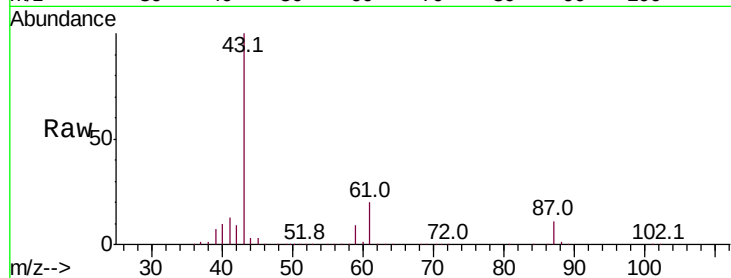
#43
Isopropyl Acetate
Concen: 46.638 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	16.3	24.5
87	11.2	10.5	15.7

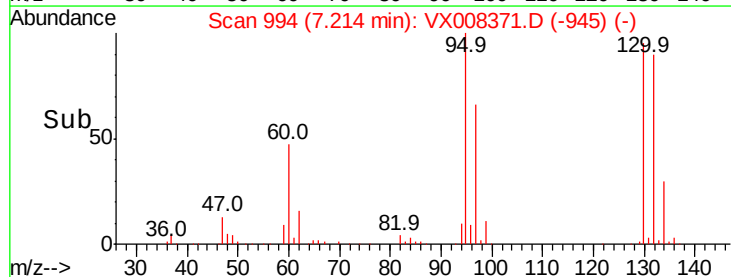
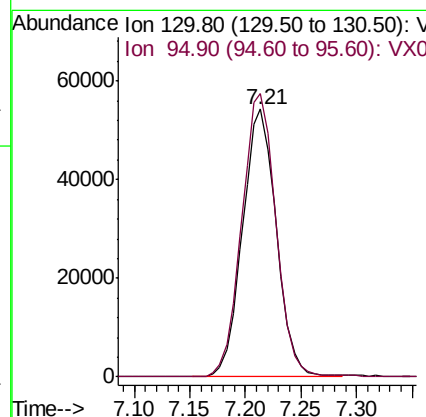
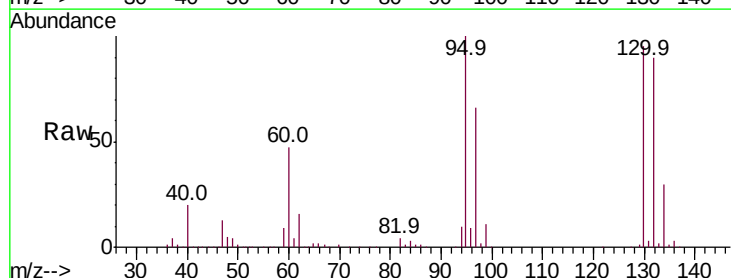
Manual Integrations
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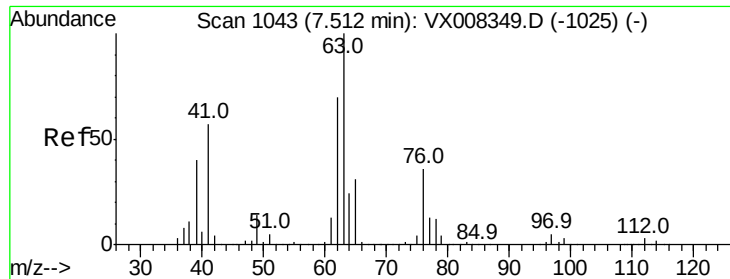
MMDadoda
3/25/2019 11:08:18 AM



#44
Trichloroethene
Concen: 45.598 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	188.0





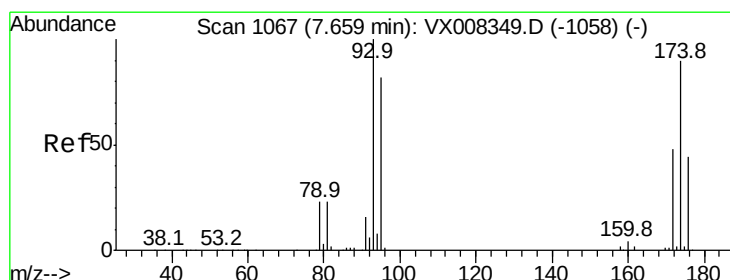
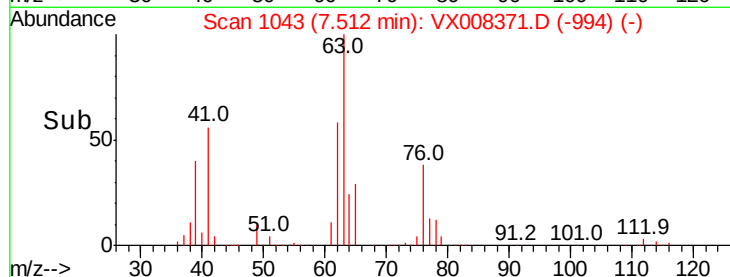
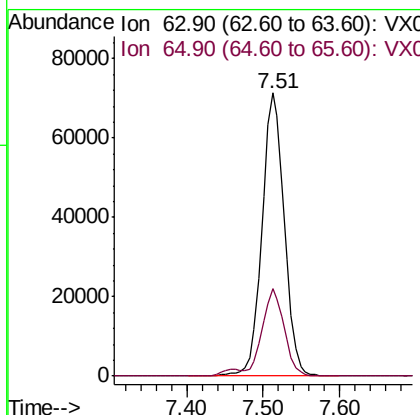
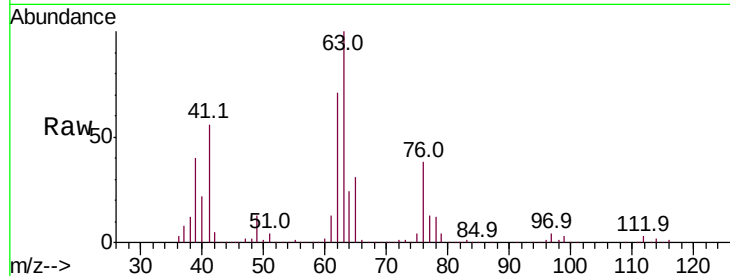
#45
 1,2-Dichloropropane
 Concen: 47.543 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion: 63 Resp: 145522
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1

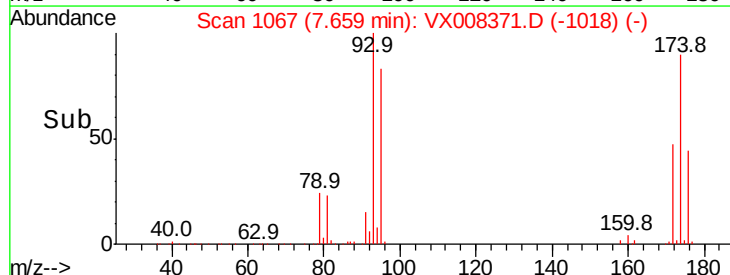
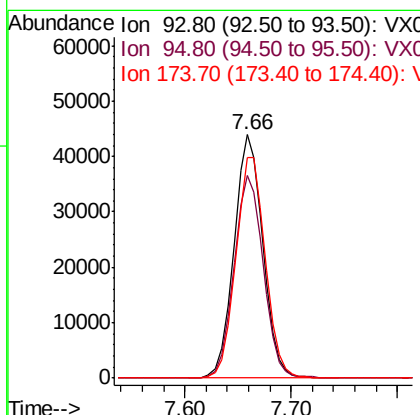
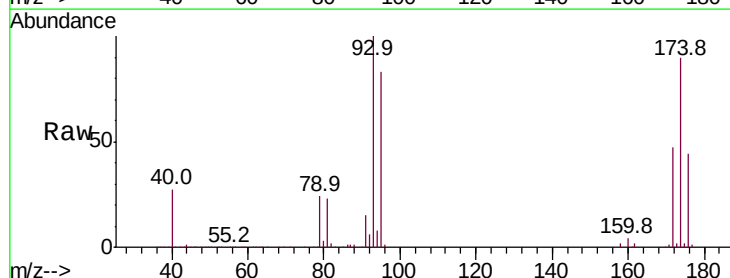
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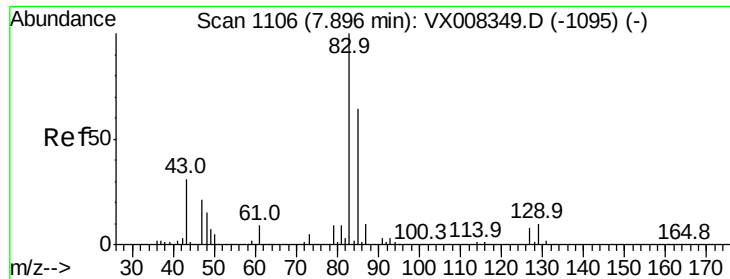
MMDadoda
 3/25/2019 11:08:18 AM



#46
 Dibromomethane
 Concen: 45.867 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Tgt Ion: 93 Resp: 83316
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.8 100.2
 174 93.1 97.3 145.9#





#47

Bromodichloromethane

Concen: 47.648 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

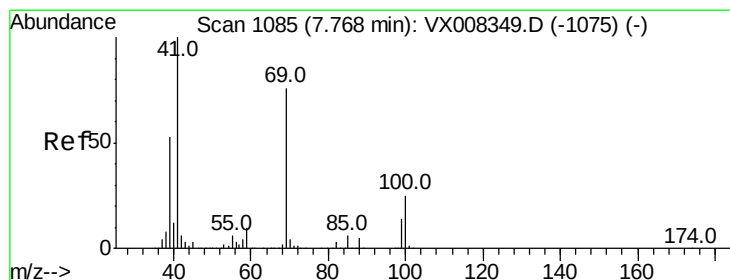
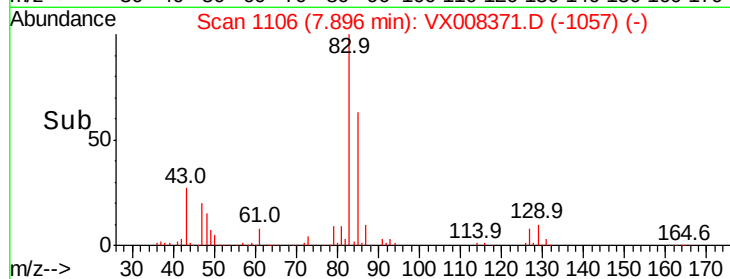
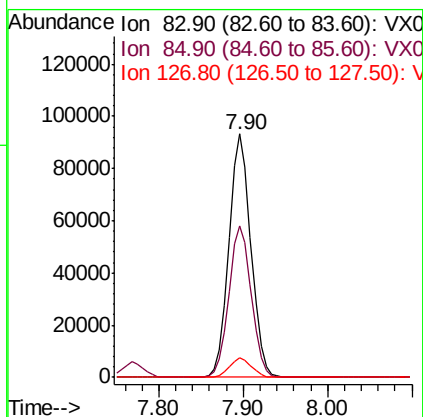
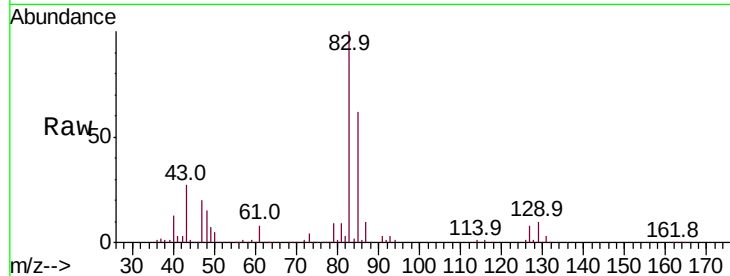
ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:	83	Resp:	165091
Ion Ratio	Lower	Upper	
83	100		
85	62.4	50.9	76.3
127	7.9	7.4	11.0

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 49.136 ug/l

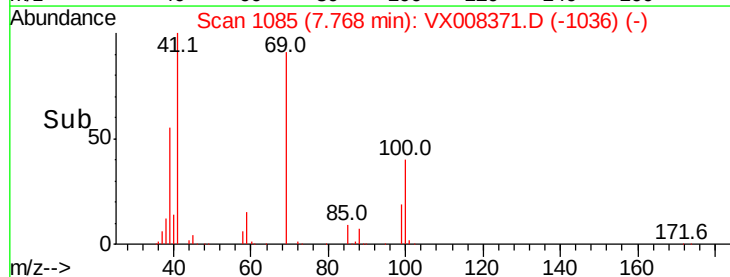
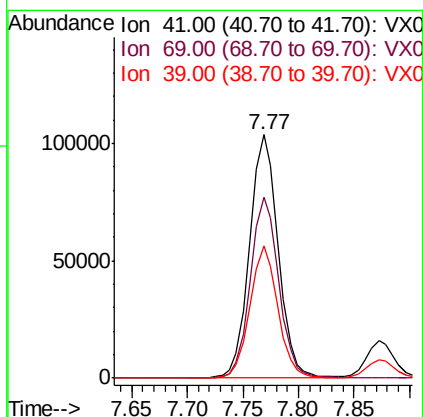
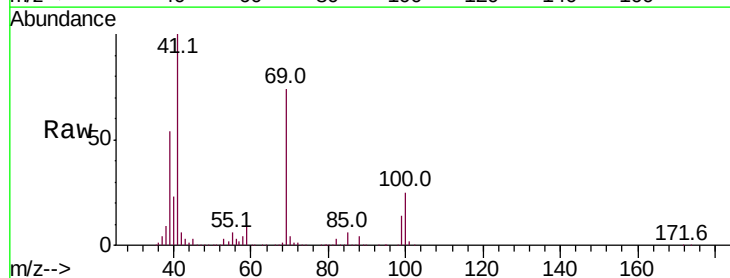
RT: 7.77 min Scan# 1085

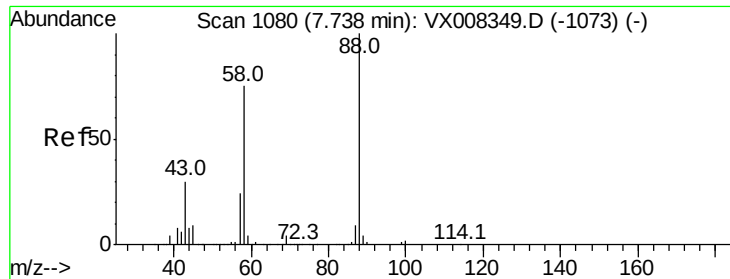
Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Tgt Ion:	41	Resp:	185510
Ion Ratio	Lower	Upper	
41	100		
69	74.4	65.2	97.8
39	53.0	39.4	59.2





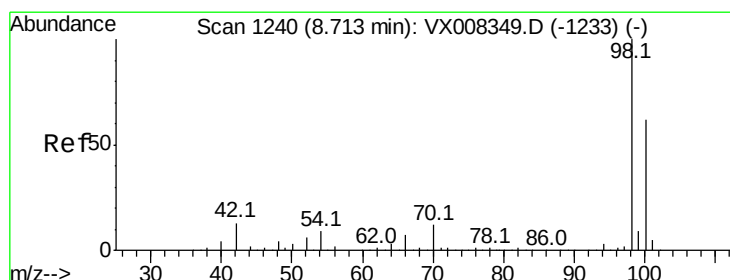
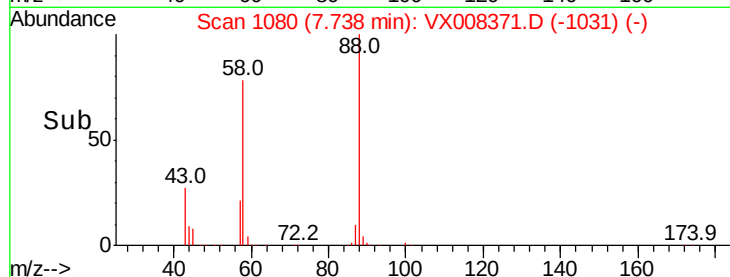
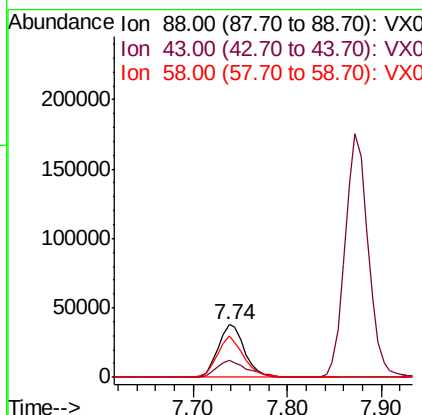
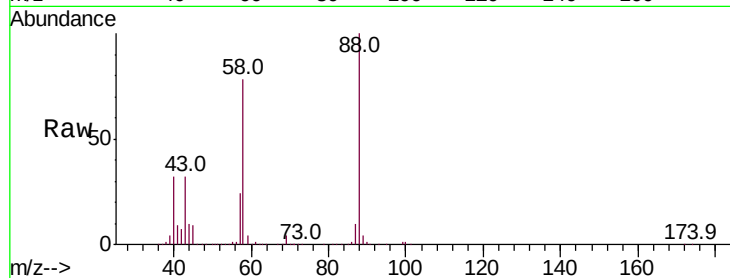
#49
1,4-Dioxane
Concen: 976.147 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	25.1	37.7
58	78.0	57.8	86.6

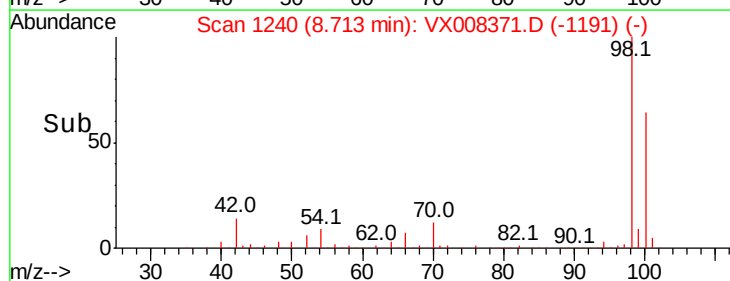
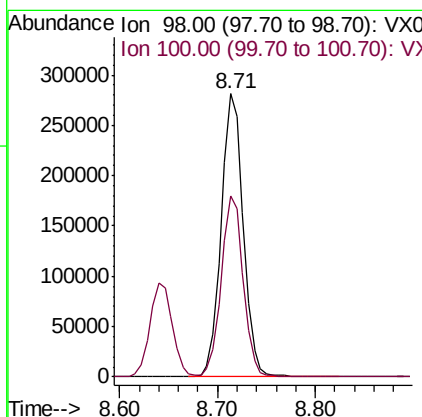
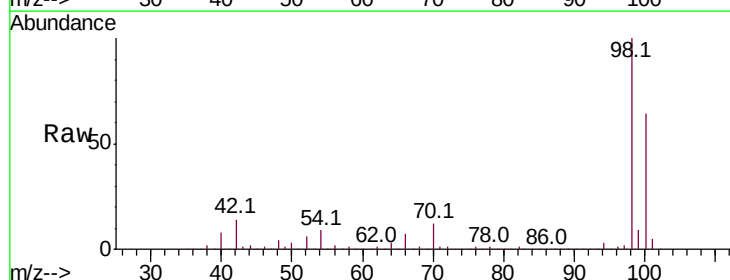
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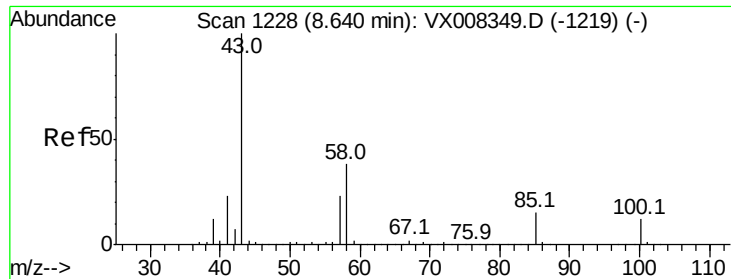
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#50
Toluene-d8
Concen: 49.336 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 245.955 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 43 Resp: 1207414

Ion Ratio Lower Upper

43 100

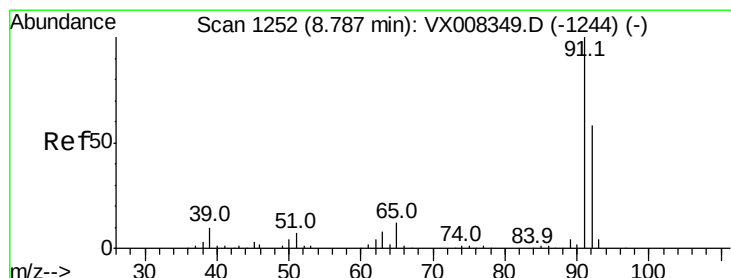
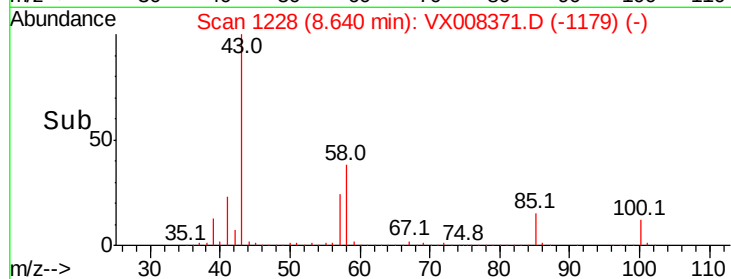
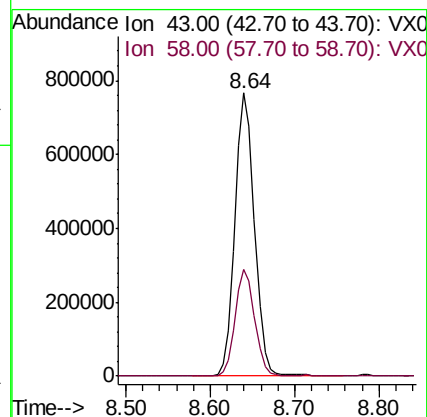
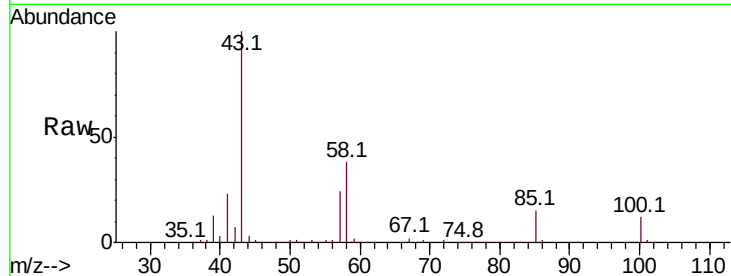
58 37.5 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 47.989 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008371.D

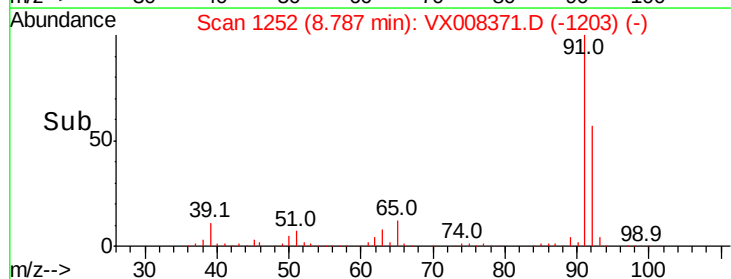
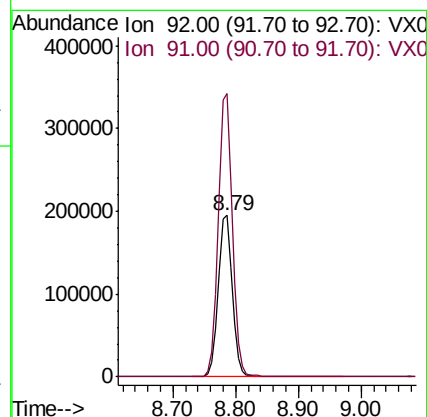
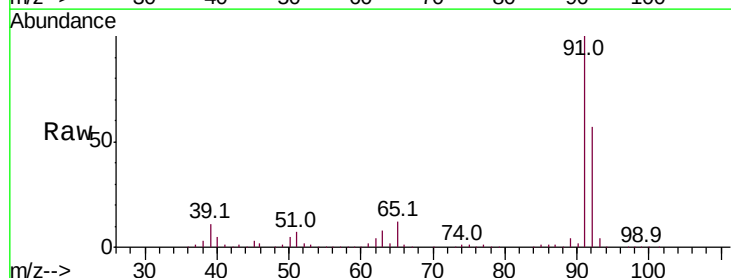
Acq: 23 Mar 2019 23:36

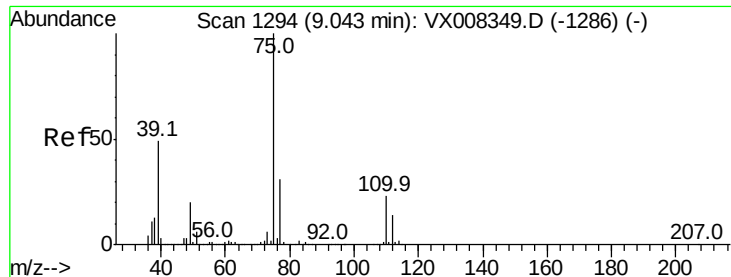
Tgt Ion: 92 Resp: 304245

Ion Ratio Lower Upper

92 100

91 175.4 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 47.947 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 75 Resp: 178614

Ion Ratio Lower Upper

75 100

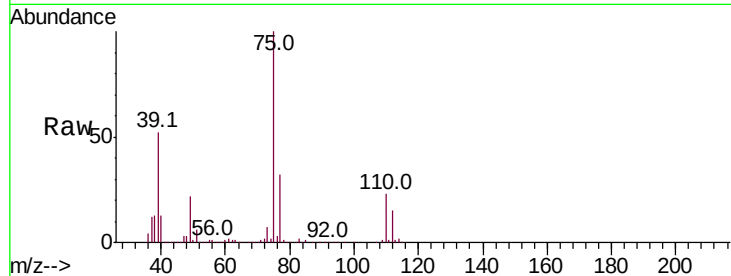
77 31.5 25.4 38.0

Manual Integrations

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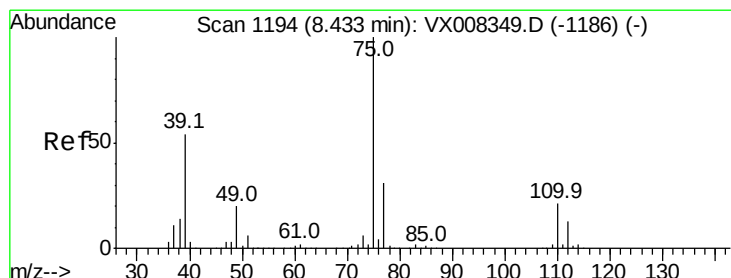
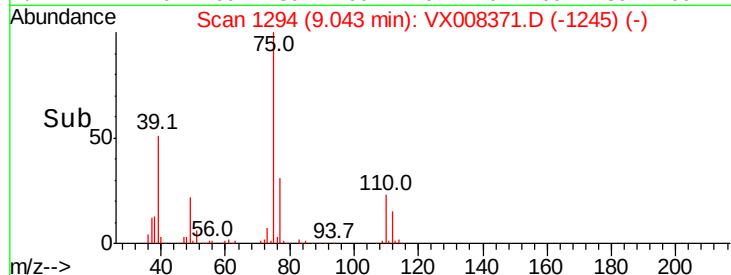
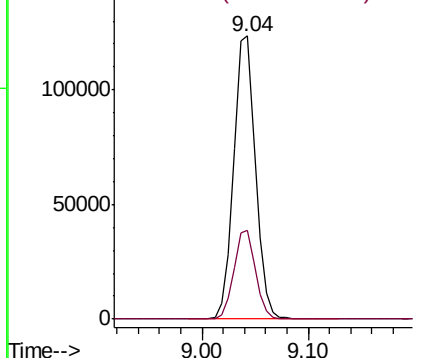
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 47.628 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

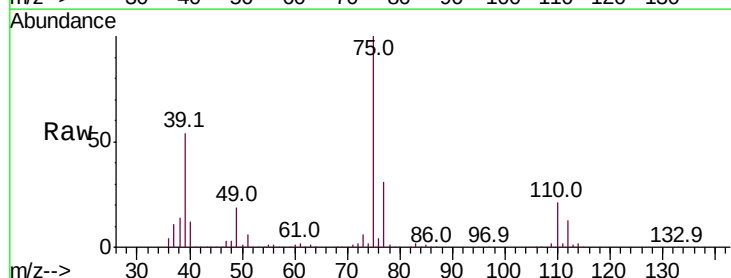
Tgt Ion: 75 Resp: 201158

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.6

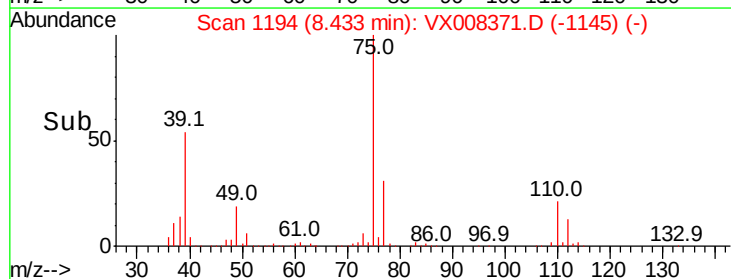
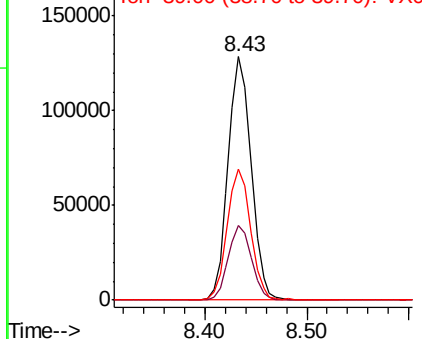
39 53.6 36.6 54.8

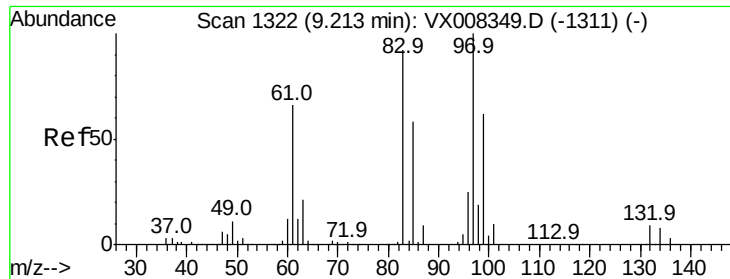


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





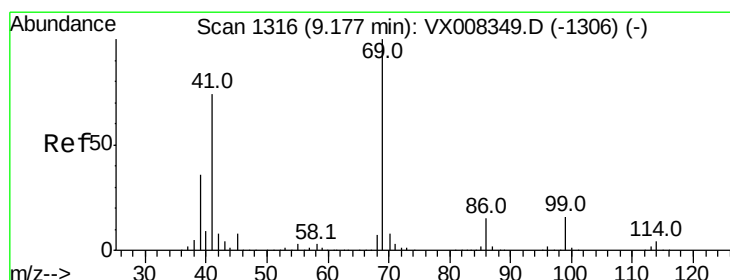
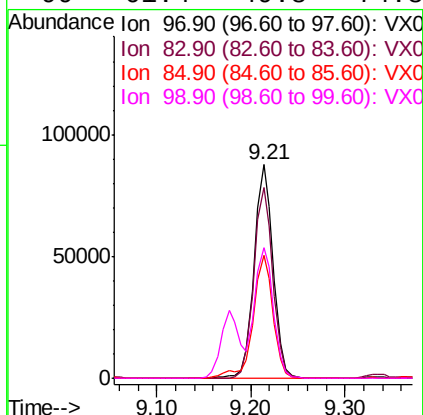
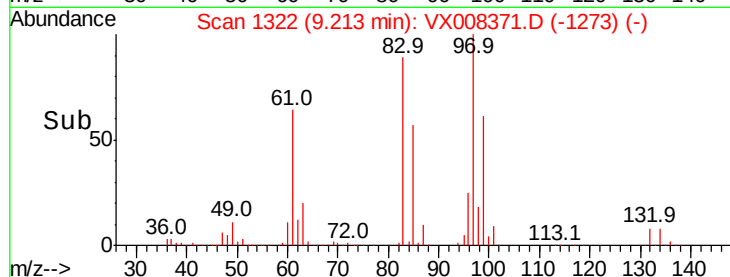
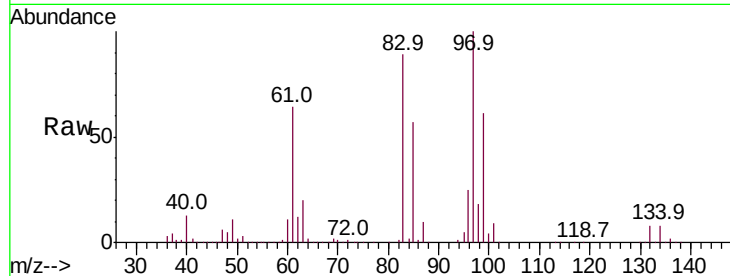
#55
 1,1,2-Trichloroethane
 Concen: 47.404 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.1	103.7
85	57.3	44.3	66.5
99	61.4	49.8	74.8

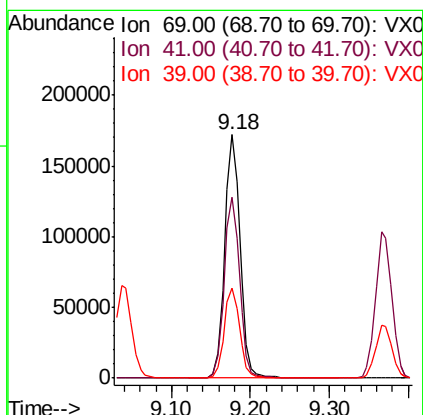
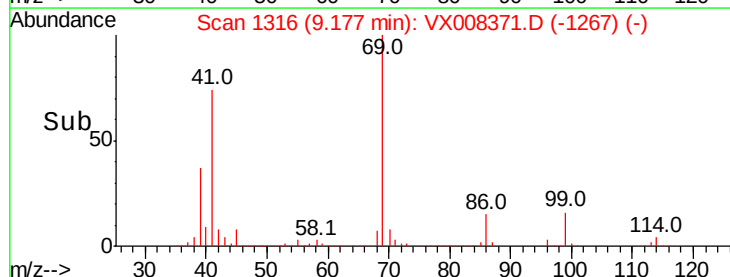
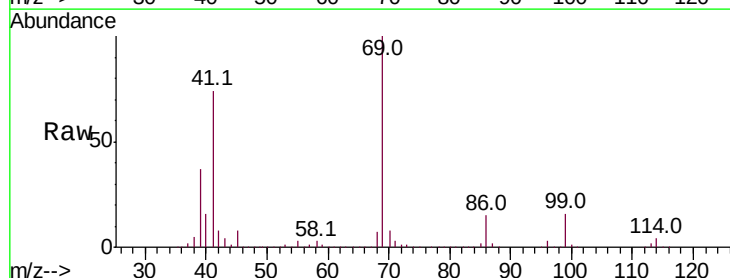
Manual Integrations
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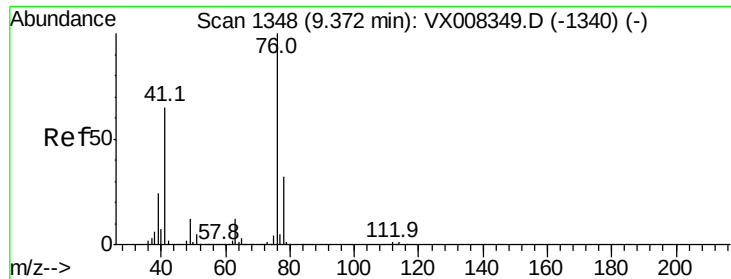
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#56
 Ethyl methacrylate
 Concen: 49.916 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.5	54.2	81.4
39	37.1	25.0	37.4





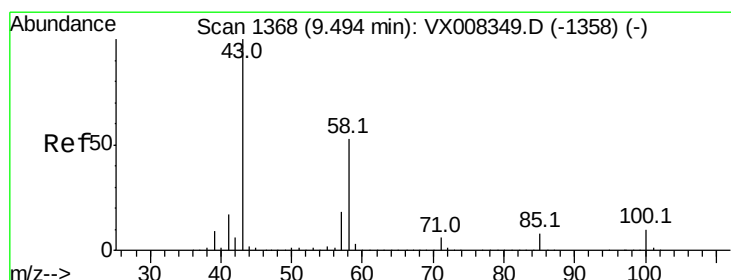
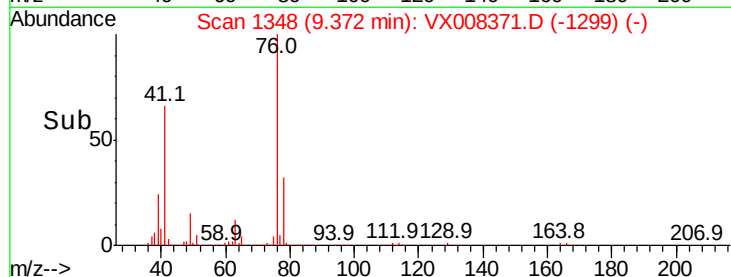
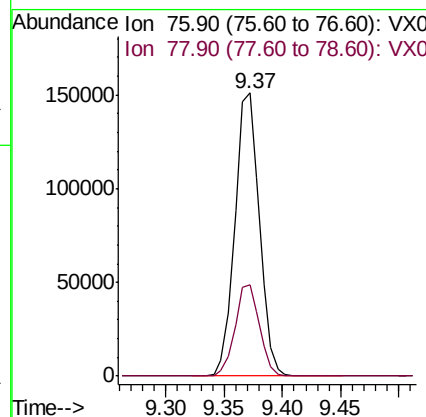
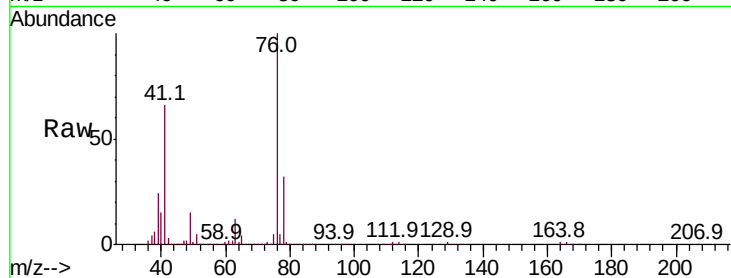
#57
 1,3-Dichloropropane
 Concen: 47.305 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

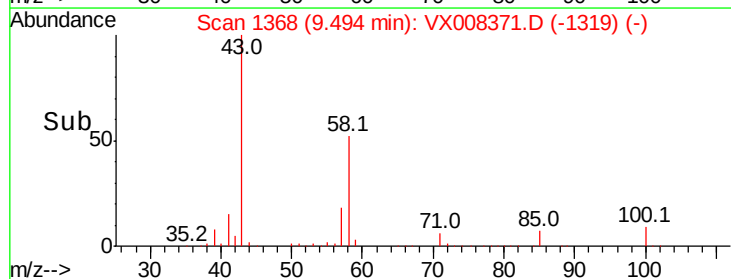
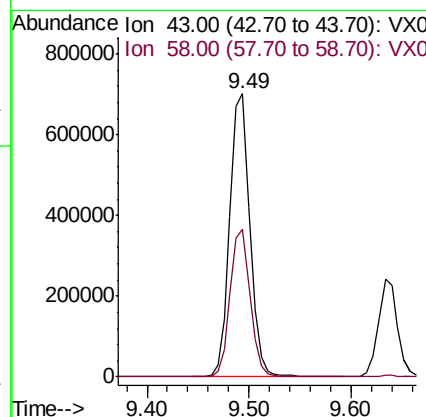
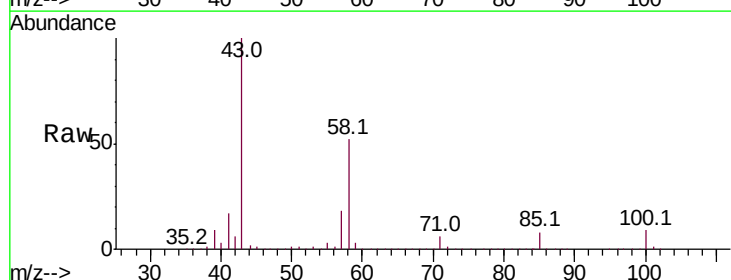
Manual Integrations
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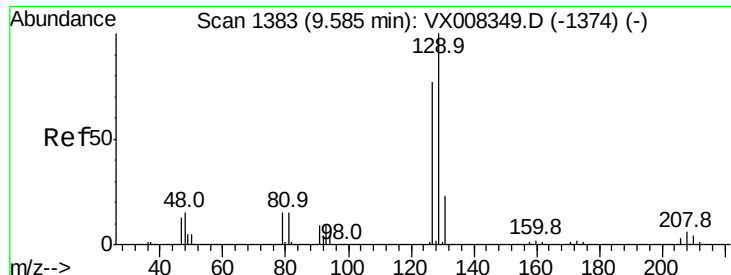
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#59
 2-Hexanone
 Concen: 254.289 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.2	27.6	82.7





#60

Dibromochloromethane

Concen: 48.550 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:129 Resp: 118675

Ion Ratio Lower Upper

129 100

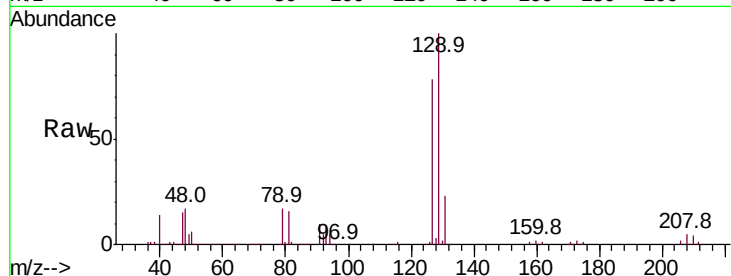
127 78.2 38.3 114.8

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

80000

60000

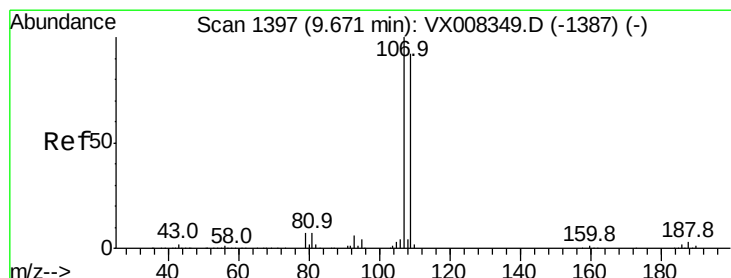
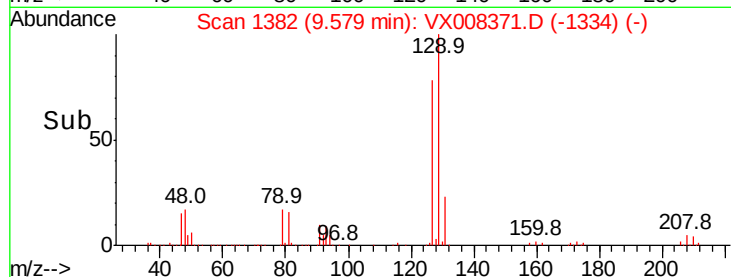
40000

20000

0

9.50 9.55 9.60 9.65

Time-->



#61

1,2-Dibromoethane

Concen: 48.207 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008371.D

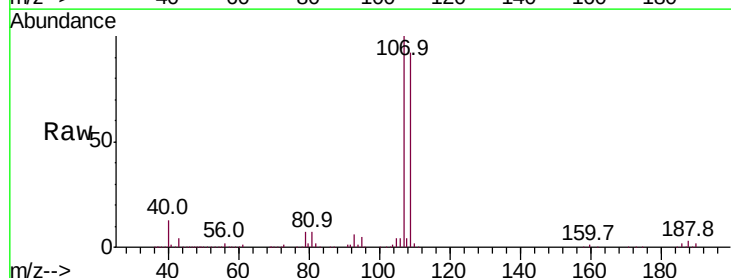
Acq: 23 Mar 2019 23:36

Tgt Ion:107 Resp: 128839

Ion Ratio Lower Upper

107 100

109 93.3 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

100000

80000

60000

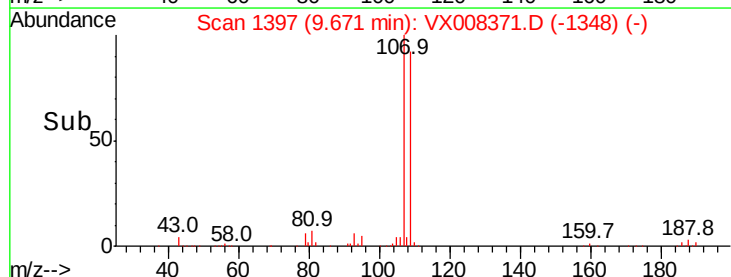
40000

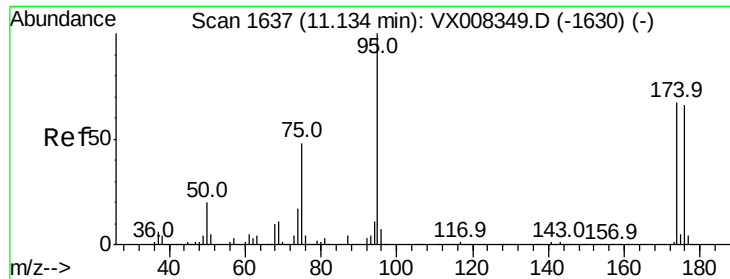
20000

0

9.60 9.65 9.70 9.75 9.80

Time-->





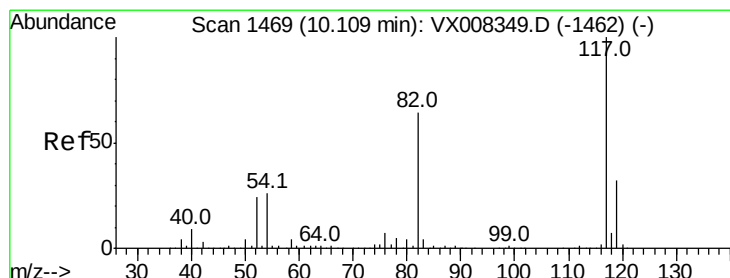
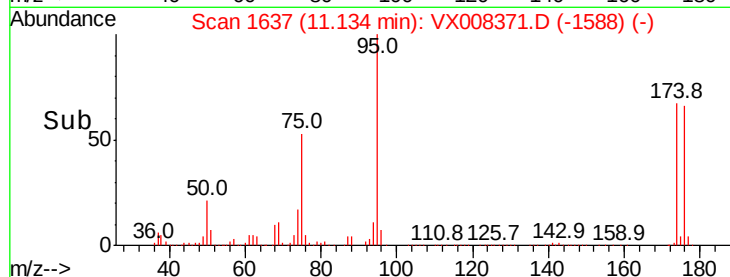
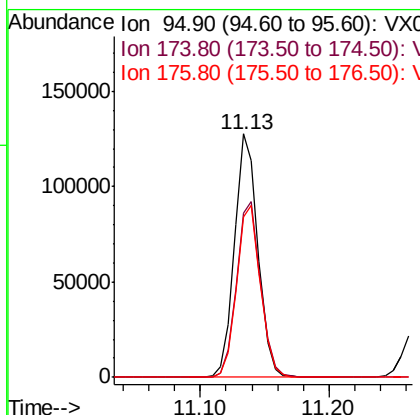
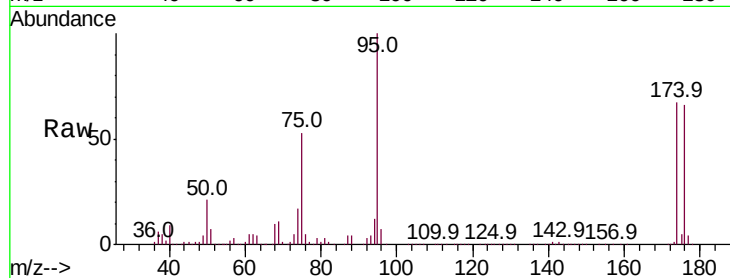
#62
4-Bromofluorobenzene
Concen: 49.361 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	182.8
176	71.7	0.0	178.0

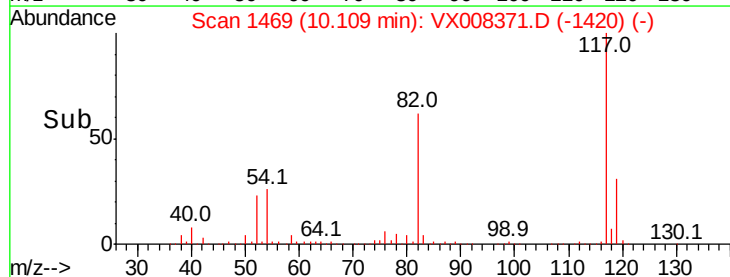
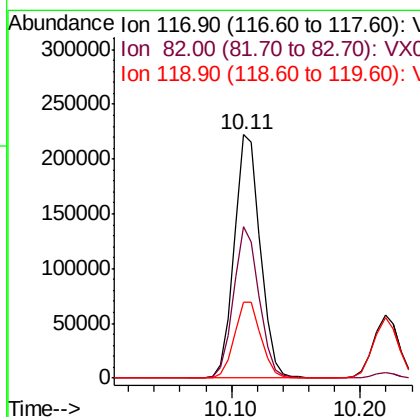
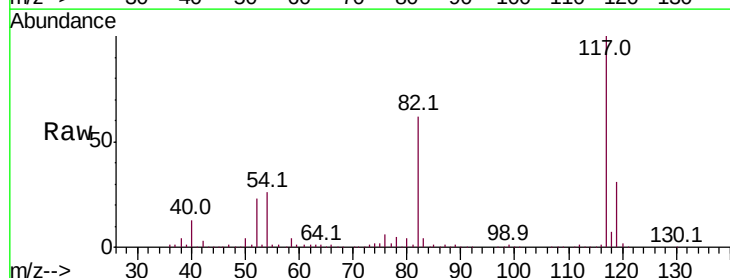
Manual Integrations
APPROVED

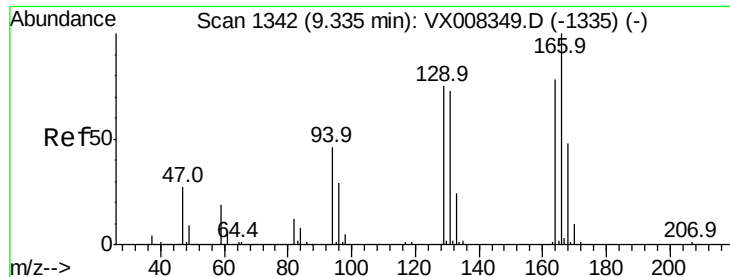
MMDadoda
3/25/2019 11:08:18 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.3	44.3	66.5
119	31.4	25.3	37.9





#64

Tetrachloroethene

Concen: 45.186 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:164 Resp: 92207

Ion Ratio Lower Upper

164 100

166 130.2 103.4 155.0

129 102.0 72.2 108.4

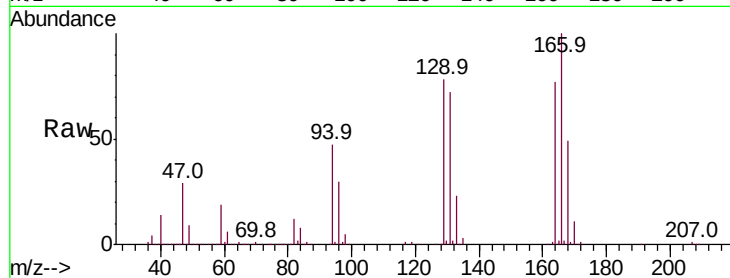
131 94.1 69.4 104.2

Manual Integrations

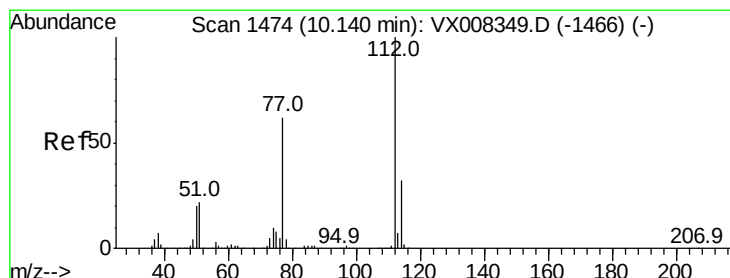
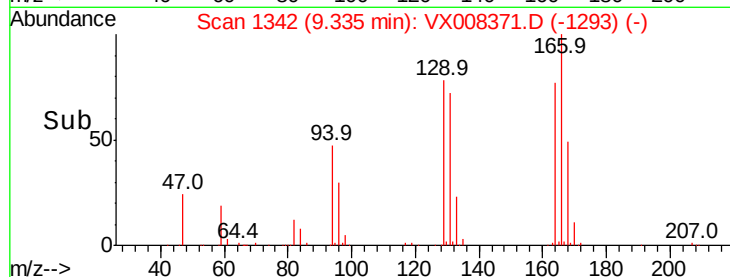
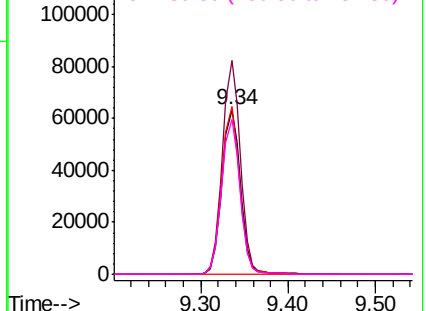
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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.071 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008371.D

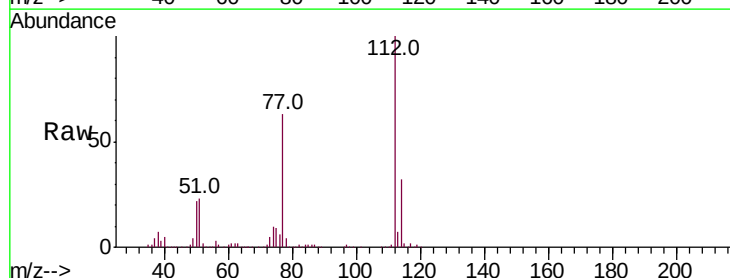
Acq: 23 Mar 2019 23:36

Tgt Ion:112 Resp: 308052

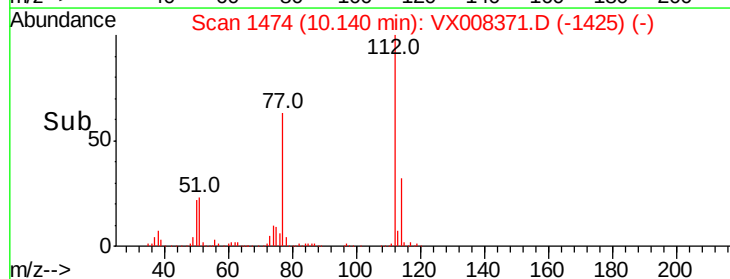
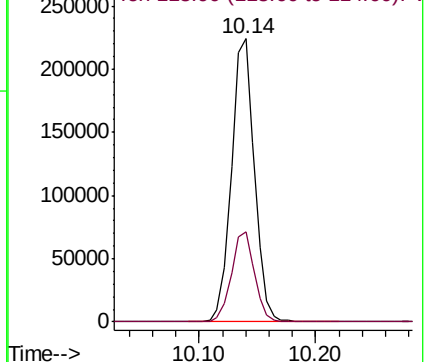
Ion Ratio Lower Upper

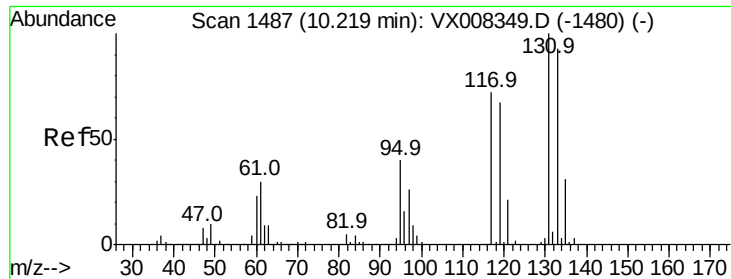
112 100

114 31.9 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 47.567 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

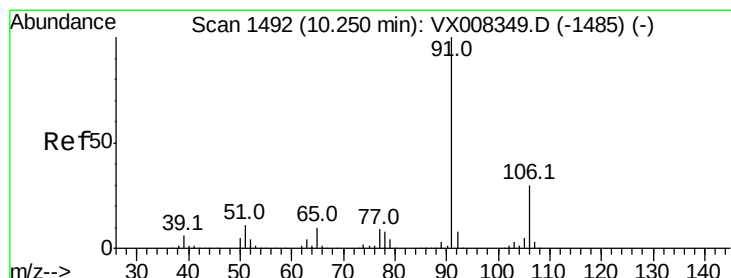
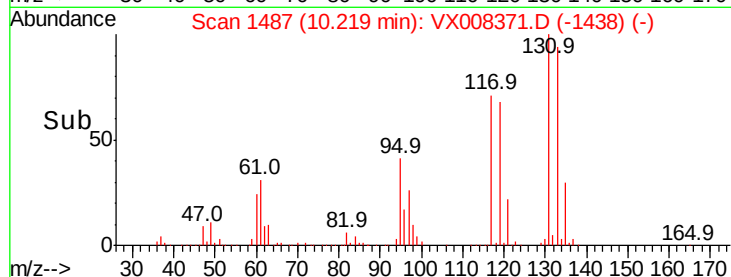
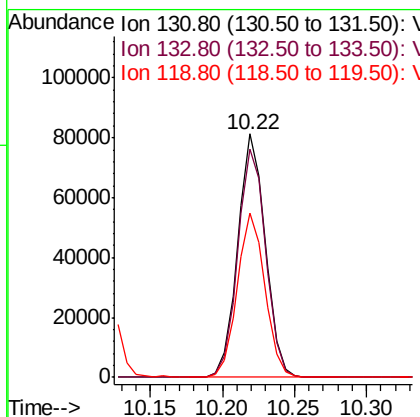
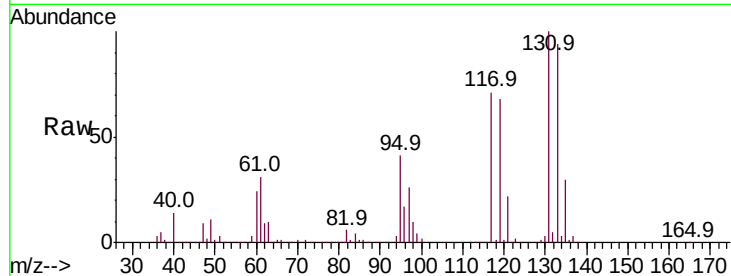
ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:	131	Resp:	107954
Ion Ratio	Lower	Upper	
131	100		
133	95.1	47.8	143.3
119	68.0	32.5	97.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 48.198 ug/l

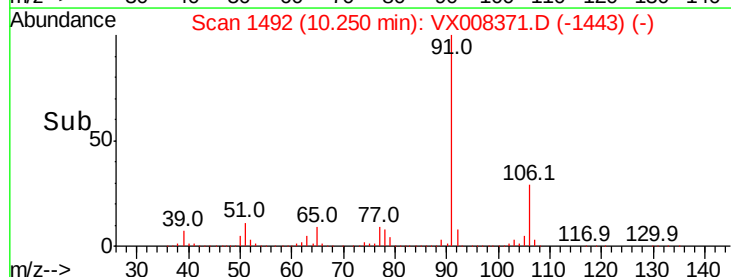
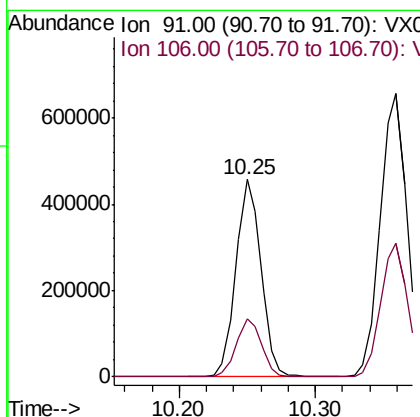
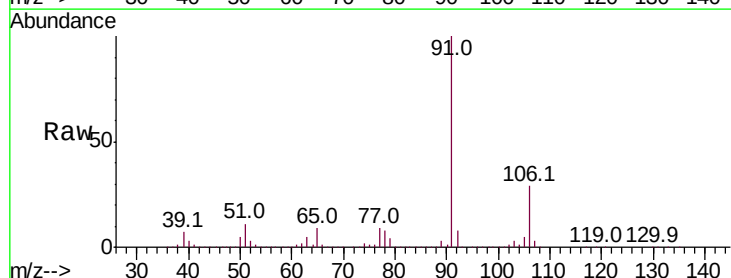
RT: 10.25 min Scan# 1492

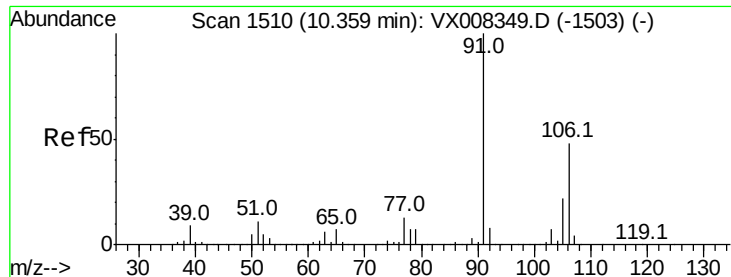
Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Tgt Ion:	91	Resp:	590628
Ion Ratio	Lower	Upper	
91	100		
106	29.3	25.2	37.8





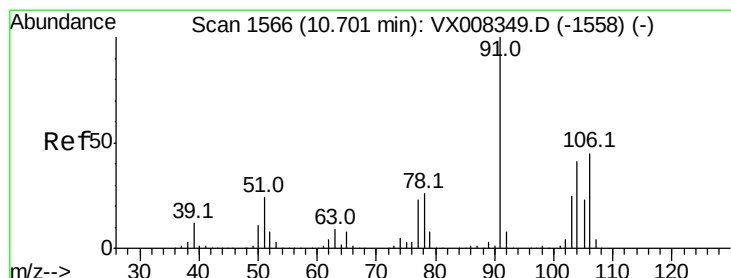
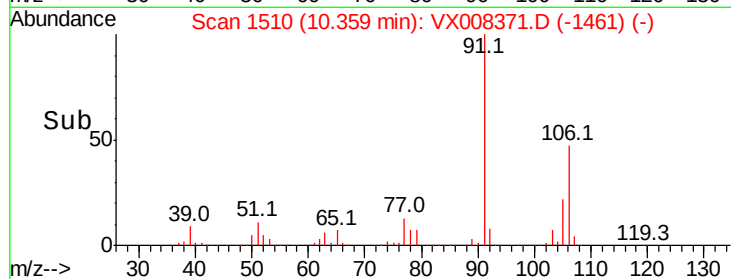
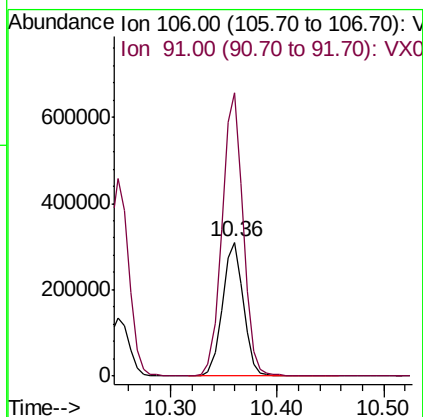
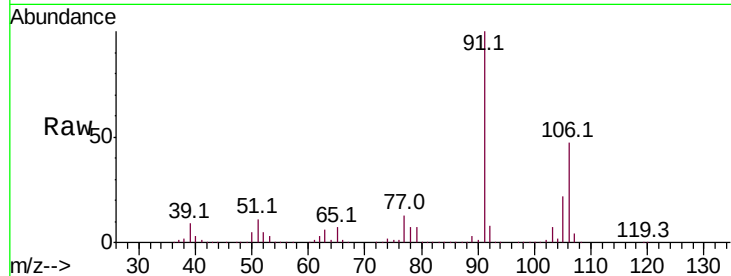
#68
m/p-Xylenes
Concen: 96.813 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	159.8	239.6

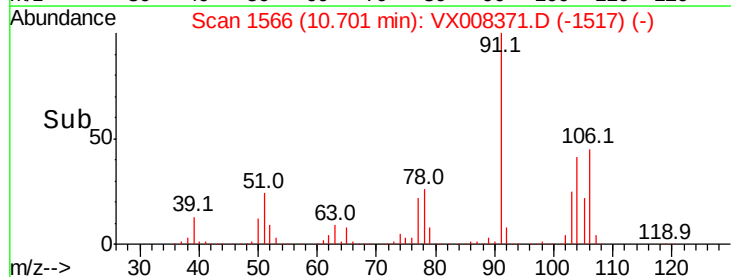
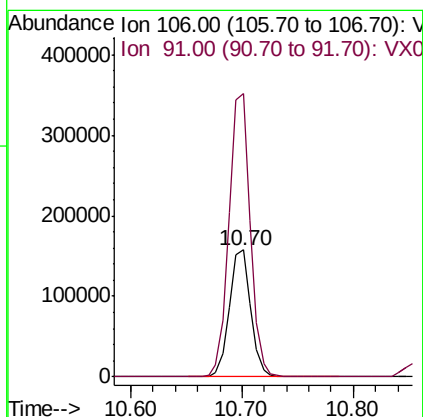
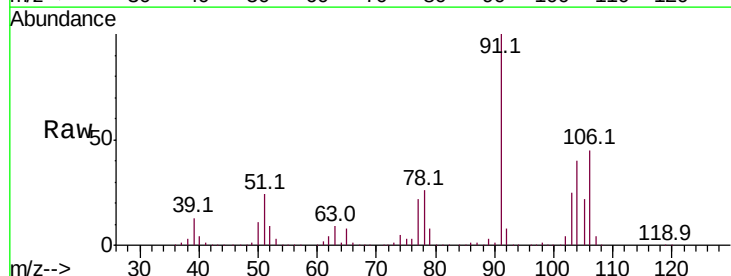
Manual Integrations
APPROVED

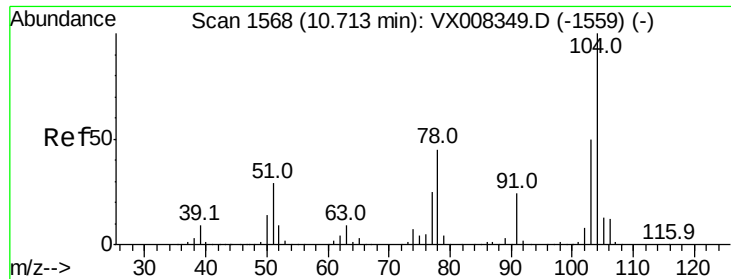
MMDadoda
3/25/2019 11:08:18 AM



#69
o-Xylene
Concen: 48.368 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
106	100		
91	223.5	106.3	318.9





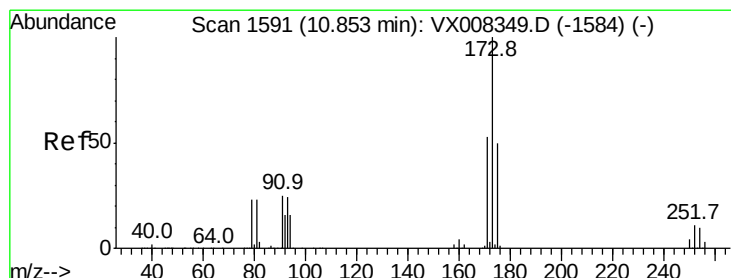
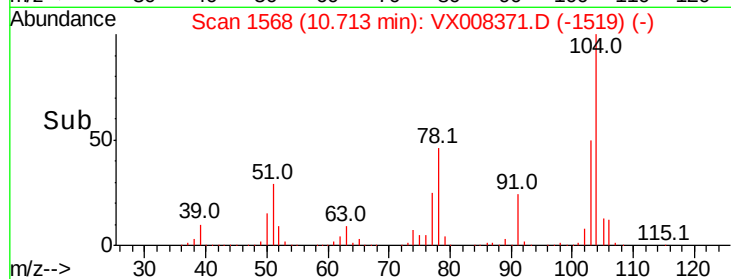
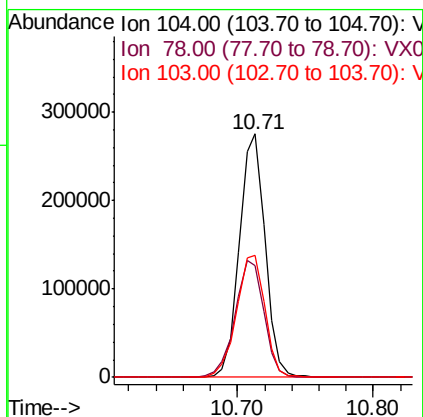
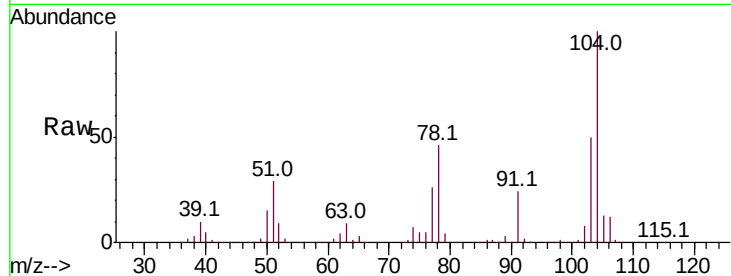
#70
Stvrene
Concen: 48.703 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.8	38.5	57.7
103	55.6	44.1	66.1

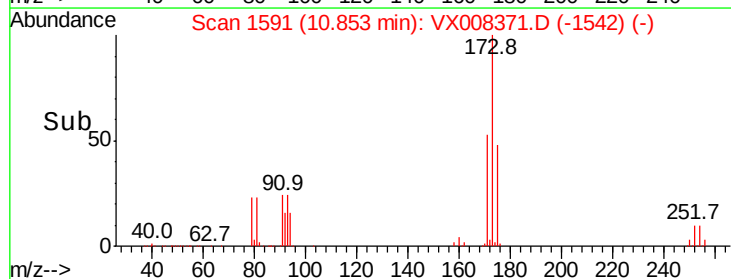
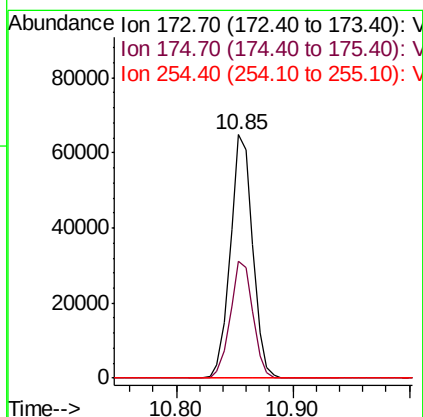
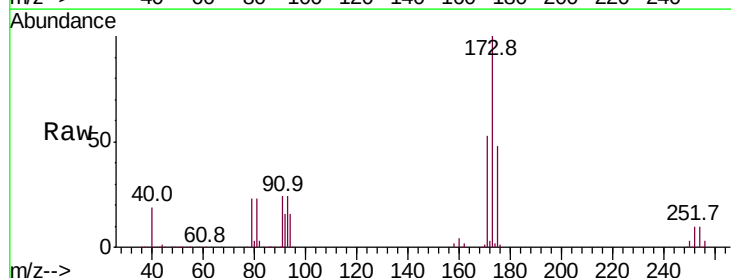
Manual Integrations
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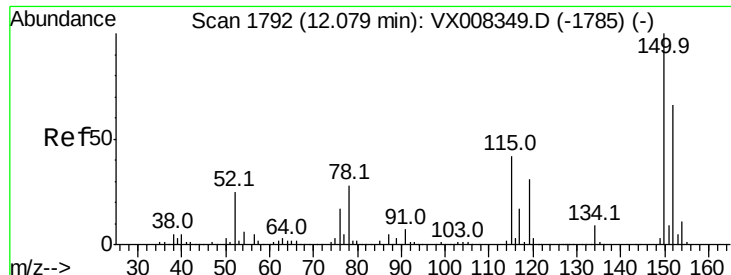
MMDadoda
3/25/2019 11:08:18 AM



#71
Bromoform
Concen: 49.349 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.2	0.1	0.1#





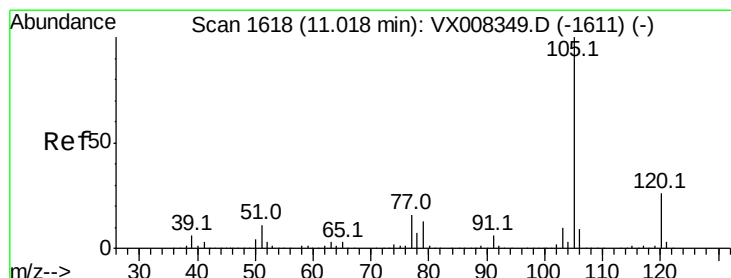
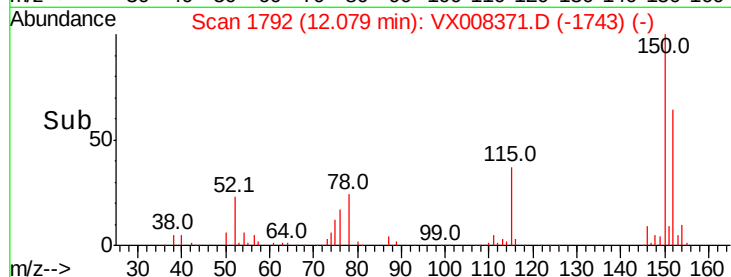
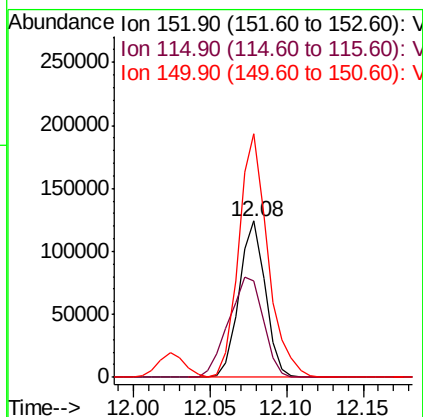
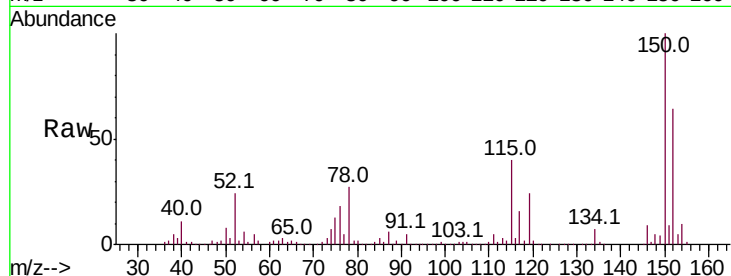
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	85.7	38.6	115.7
150	173.0	0.0	348.4

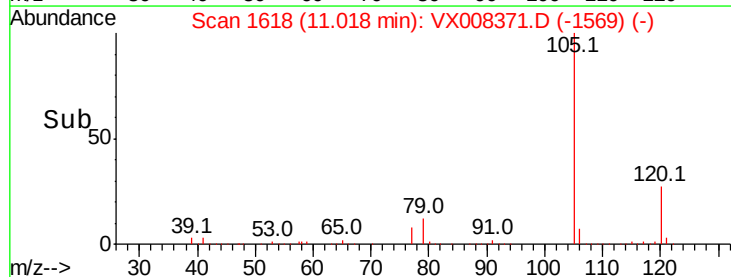
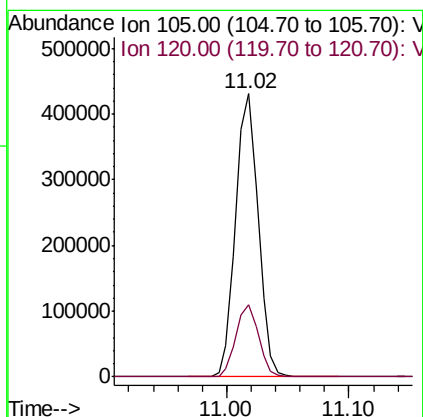
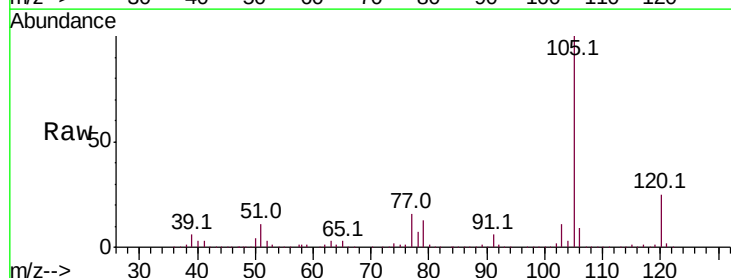
Manual Integrations
 APPROVED

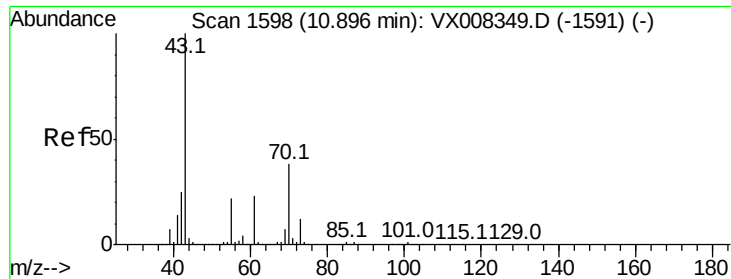
MMDadoda
 3/25/2019 11:08:18 AM



#73
 Isopropylbenzene
 Concen: 47.235 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.4	40.1





#74

N-amvl acetate

Concen: 47.071 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

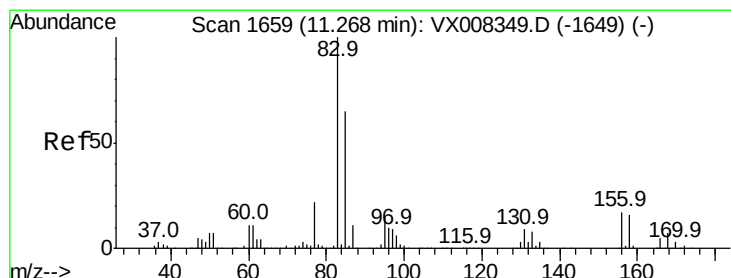
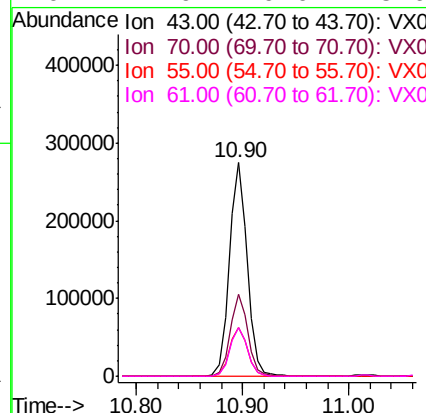
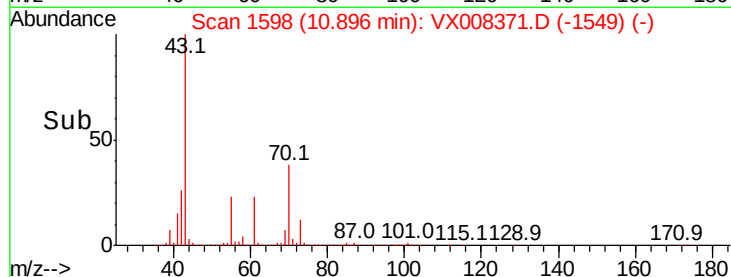
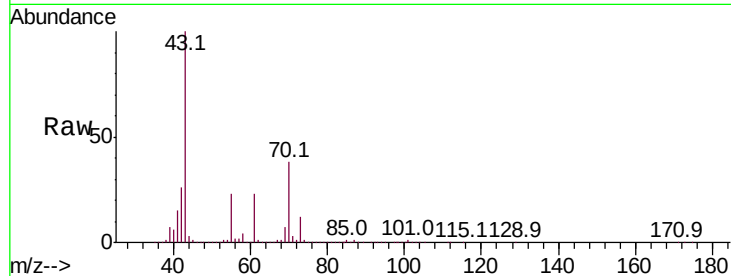
ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion	43	Resp	319818
Ion Ratio	Lower	Upper	
43	100		
70	38.0	33.5	50.3
55	23.0	19.2	28.8
61	22.9	19.0	28.6

Manual Integrations
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3/25/2019 11:08:18 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 47.014 ug/l

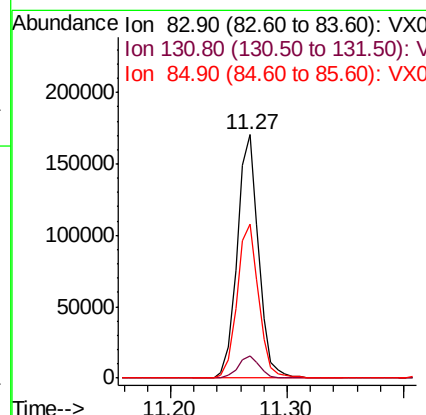
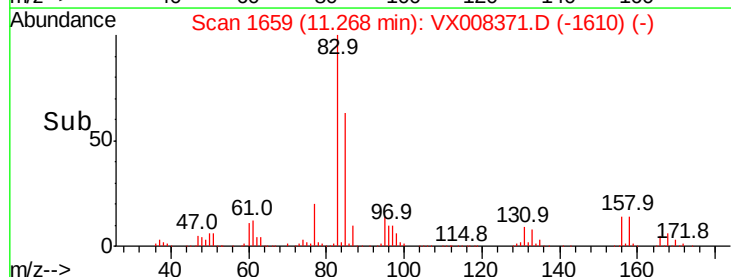
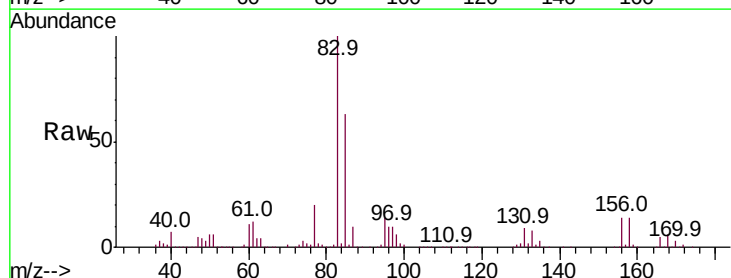
RT: 11.27 min Scan# 1659

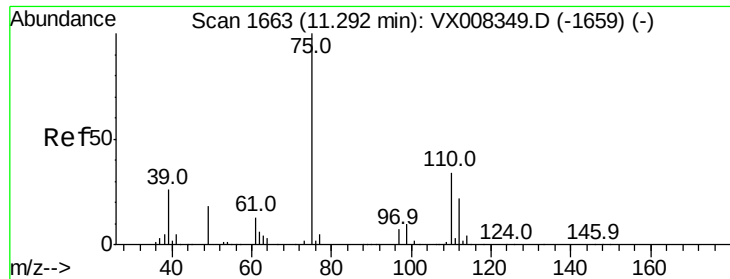
Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Tgt Ion	83	Resp	217318
Ion Ratio	Lower	Upper	
83	100		
131	8.9	5.4	16.2
85	63.9	32.3	96.8





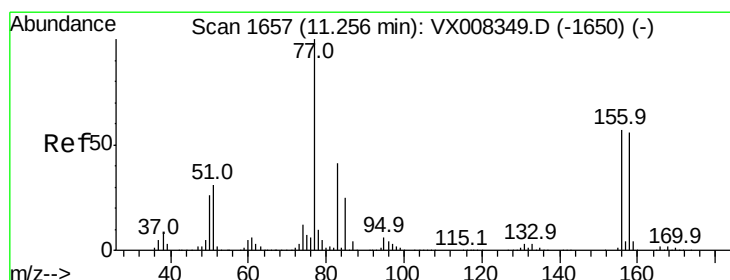
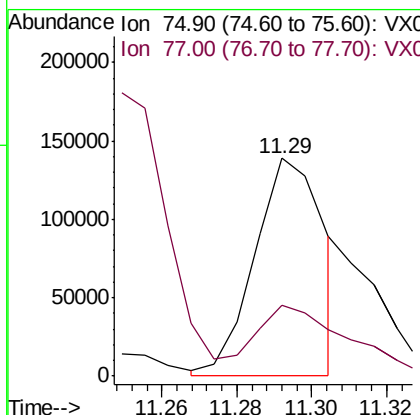
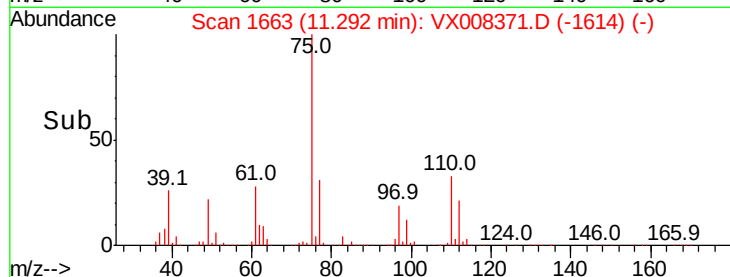
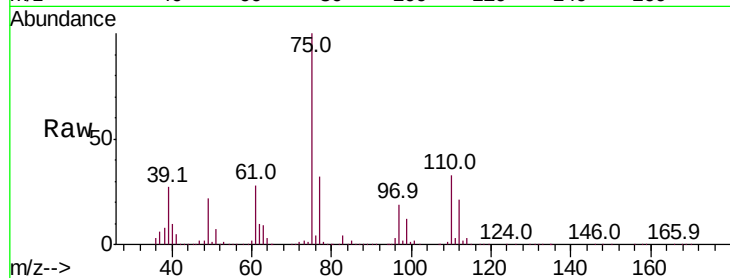
#76
1,2,3-Trichloropropane
Concen: 46.477 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion: 75 Resp: 178888
Ion Ratio Lower Upper
75 100
77 43.7 18.9 56.7

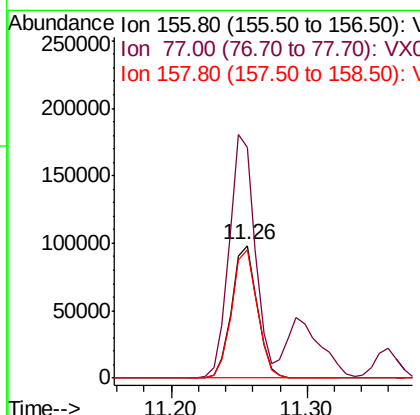
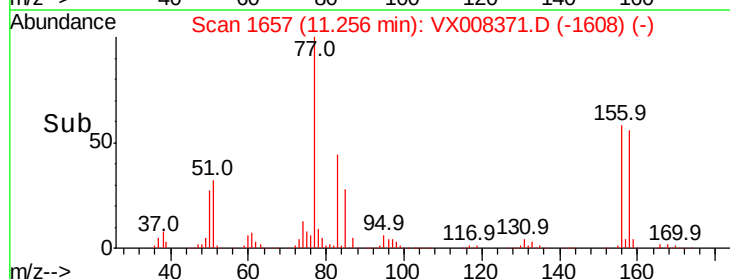
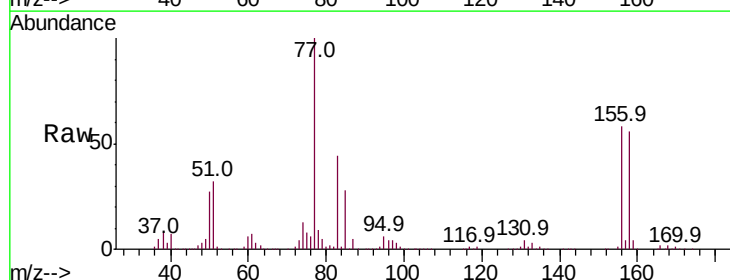
Manual Integrations
APPROVED

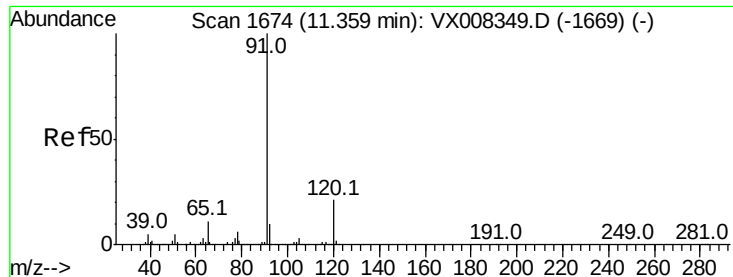
MMDadoda
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#77
Bromobenzene
Concen: 46.704 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion: 156 Resp: 128242
Ion Ratio Lower Upper
156 100
77 185.6 72.0 215.9
158 97.2 48.6 145.9





#78

n-propylbenzene

Concen: 47.611 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion: 91 Resp: 647567

Ion Ratio Lower Upper

91 100

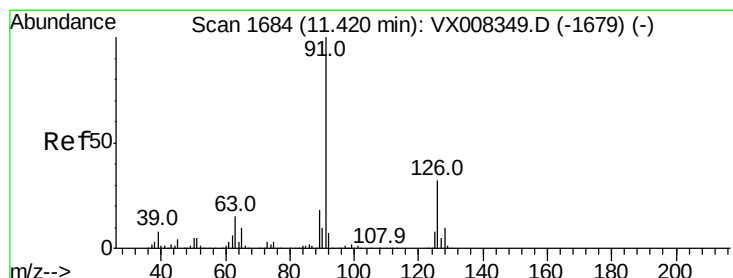
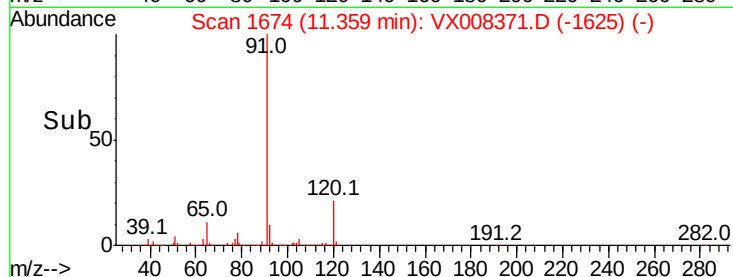
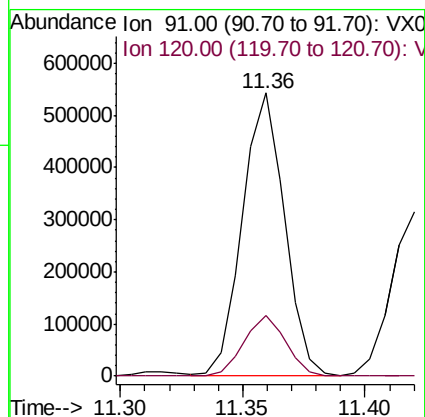
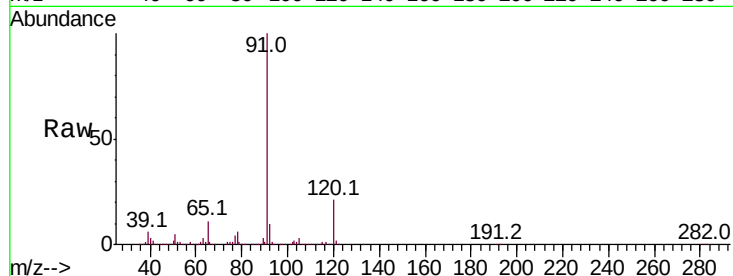
120 21.6 12.0 36.0

Manual Integrations

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3/25/2019 11:08:18 AM



#79

2-Chlorotoluene

Concen: 46.284 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008371.D

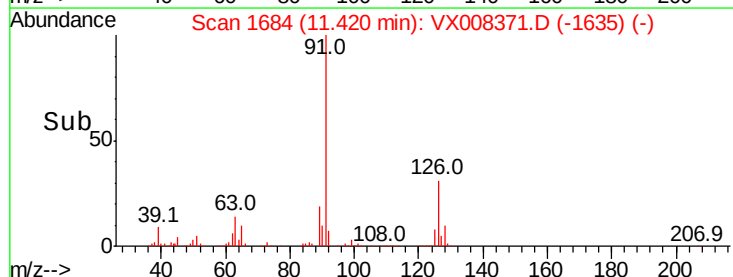
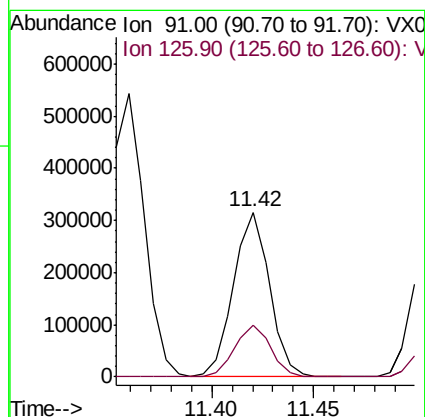
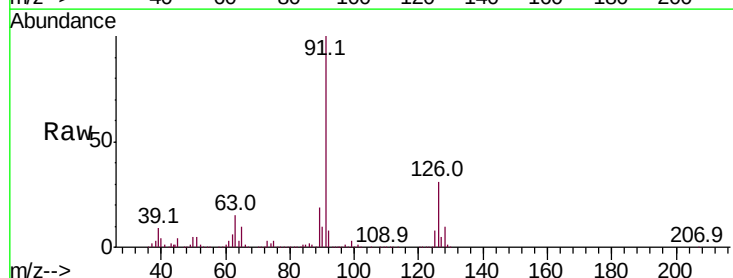
Acq: 23 Mar 2019 23:36

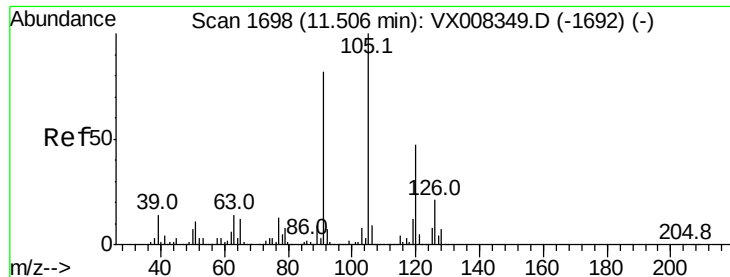
Tgt Ion: 91 Resp: 383467

Ion Ratio Lower Upper

91 100

126 31.5 17.5 52.6





#80

1,3,5-Trimethylbenzene

Concen: 47.366 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:105 Resp: 467592

Ion Ratio Lower Upper

105 100

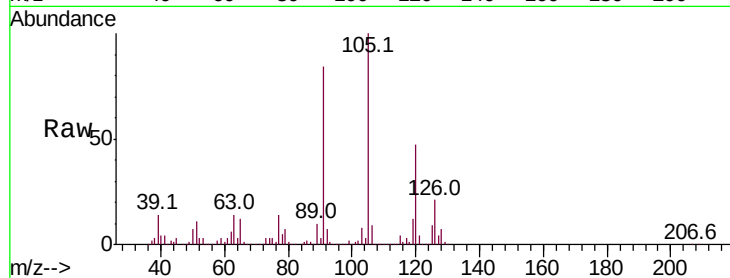
120 47.1 24.9 74.6

Manual Integrations

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MMDadoda

3/25/2019 11:08:18 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

400000

300000

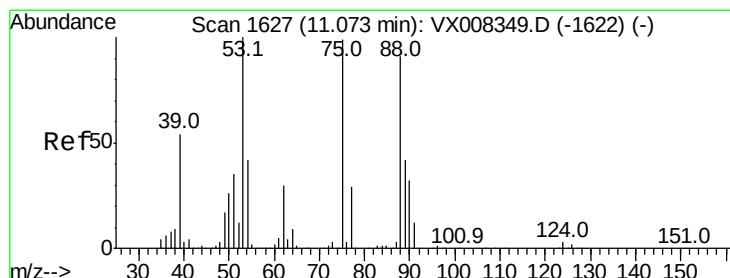
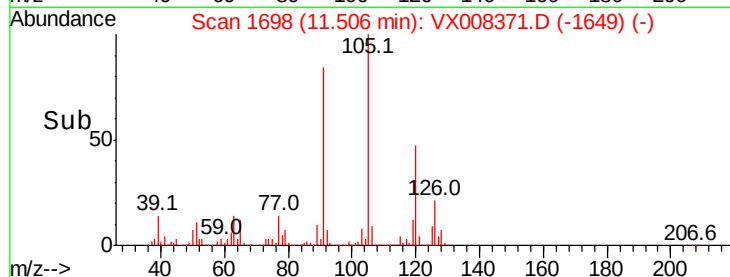
200000

100000

0

11.50 11.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 46.726 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

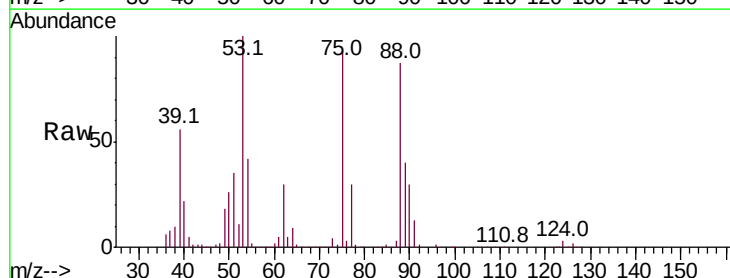
Tgt Ion: 75 Resp: 63110

Ion Ratio Lower Upper

75 100

53 107.4 76.1 114.1

89 43.2 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

80000

60000

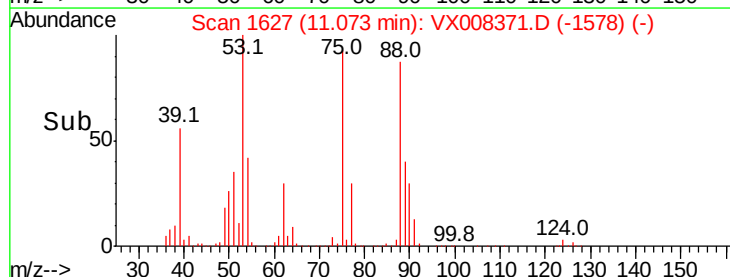
40000

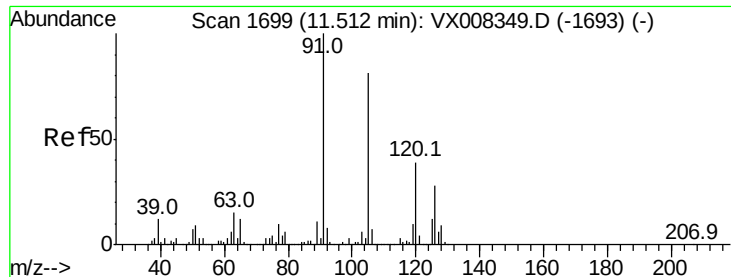
20000

0

11.05 11.10

Time-->





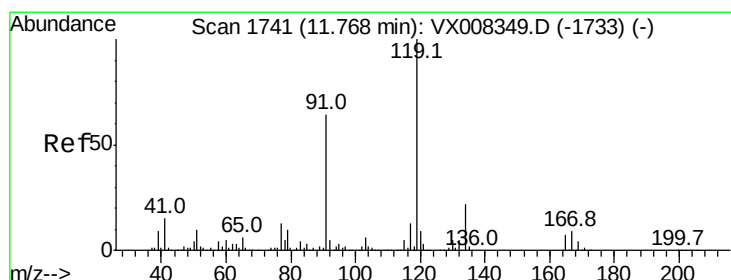
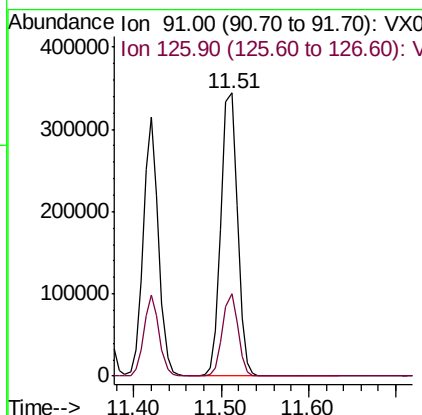
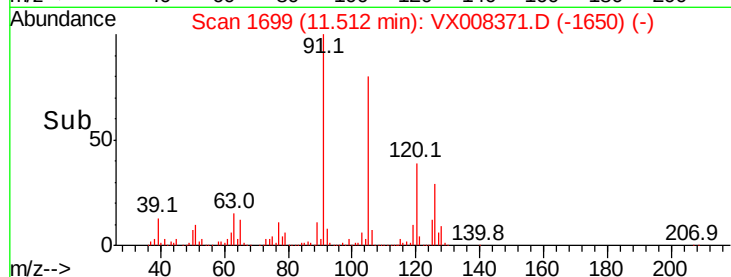
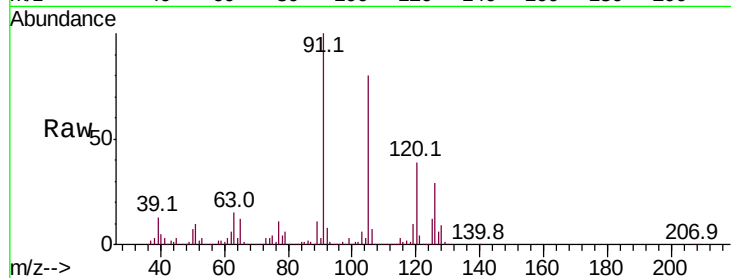
#82
4-Chlorotoluene
Concen: 46.888 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion: 91 Resp: 447618
Ion Ratio Lower Upper
91 100
126 27.6 15.6 46.8

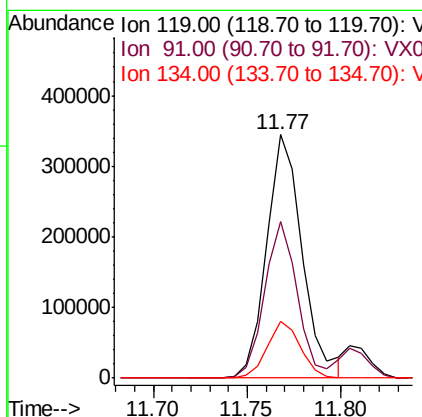
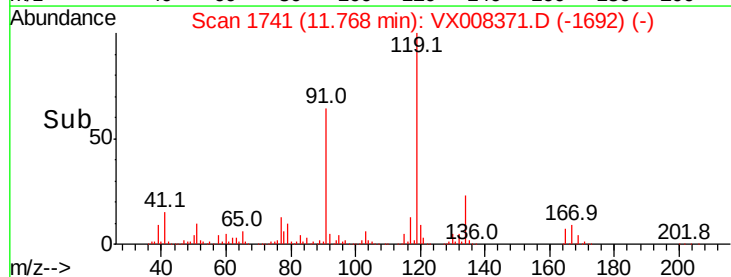
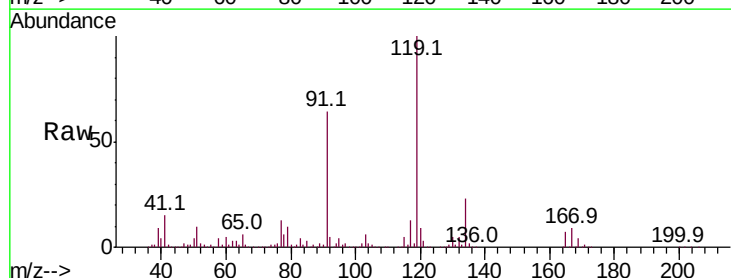
Manual Integrations
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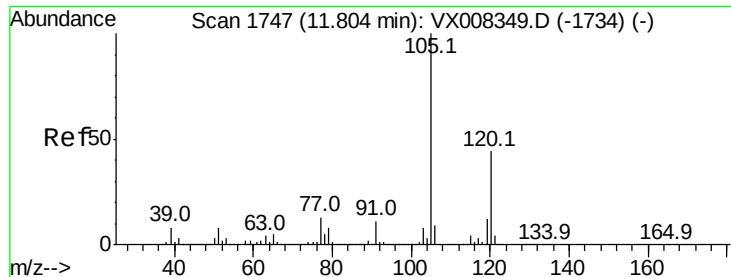
MMDadoda
3/25/2019 11:08:18 AM



#83
tert-Butylbenzene
Concen: 48.109 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion: 119 Resp: 452257
Ion Ratio Lower Upper
119 100
91 59.0 27.1 81.3
134 21.7 11.4 34.1





#84

1,2,4-Trimethylbenzene

Concen: 48.141 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:105 Resp: 474268

Ion Ratio Lower Upper

105 100

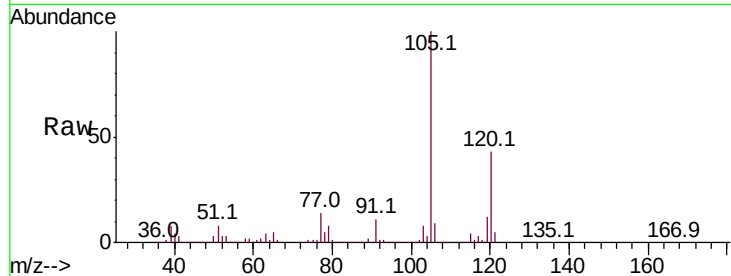
120 42.5 22.6 67.7

Manual Integrations

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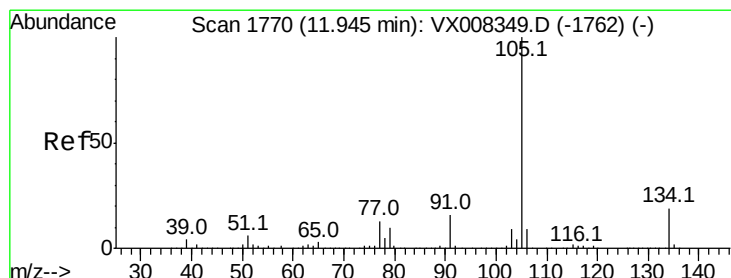
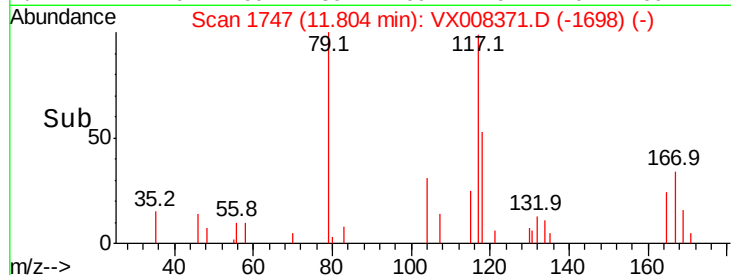
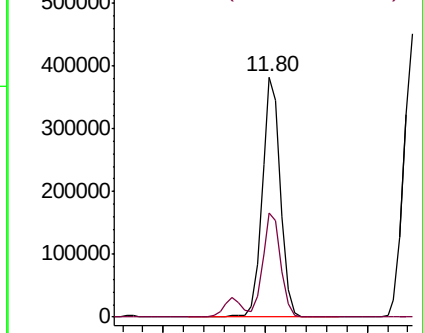
MMDadoda

3/25/2019 11:08:18 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 47.262 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008371.D

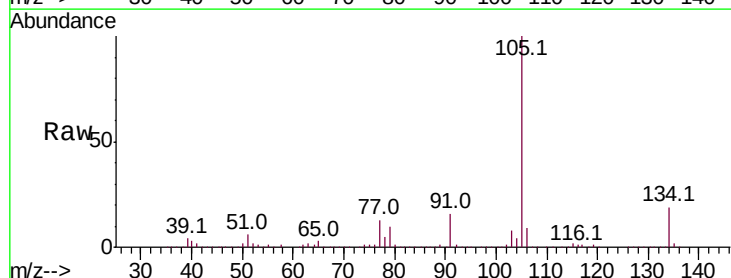
Acq: 23 Mar 2019 23:36

Tgt Ion:105 Resp: 532490

Ion Ratio Lower Upper

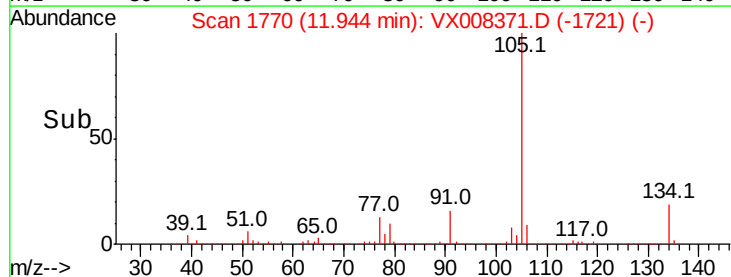
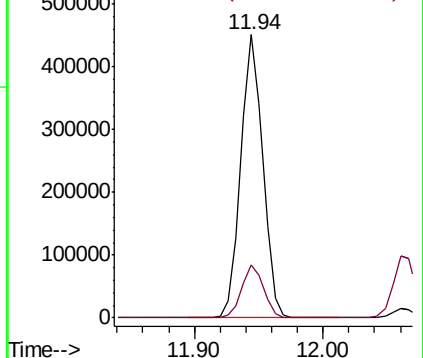
105 100

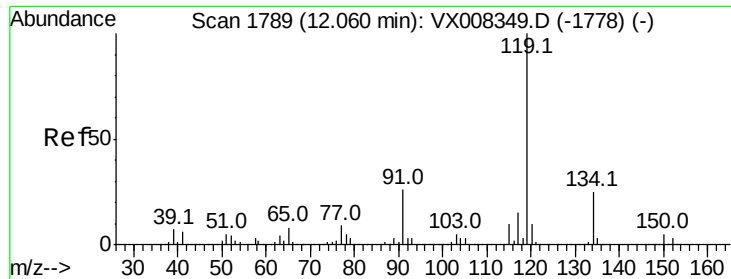
134 18.6 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





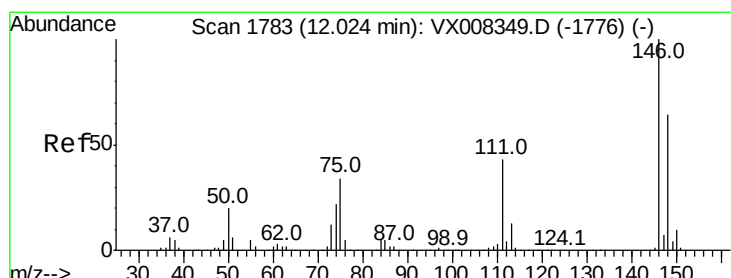
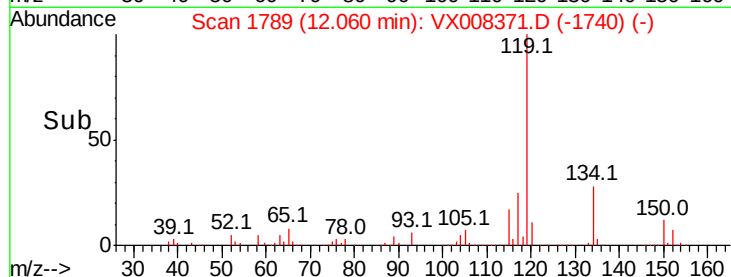
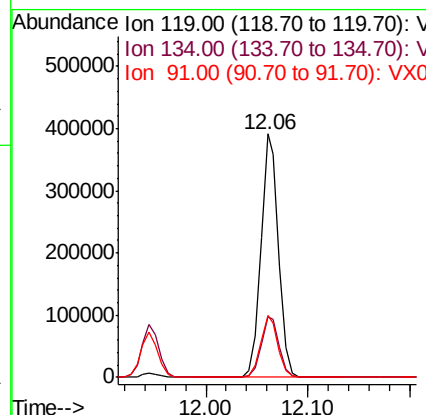
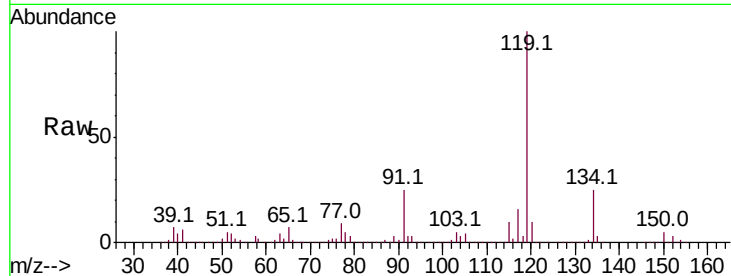
#86
p-Isopropyltoluene
Concen: 47.586 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	472566		
134	25.5	13.3	39.9	
91	24.9	10.9	32.7	

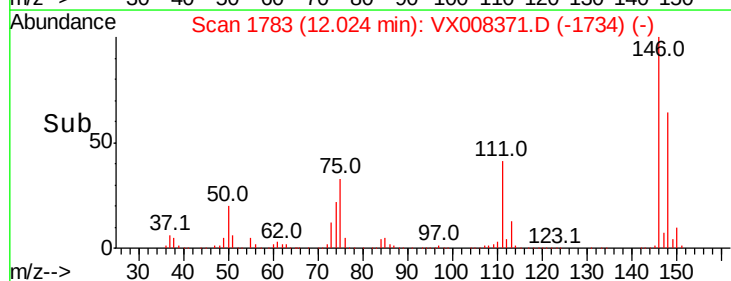
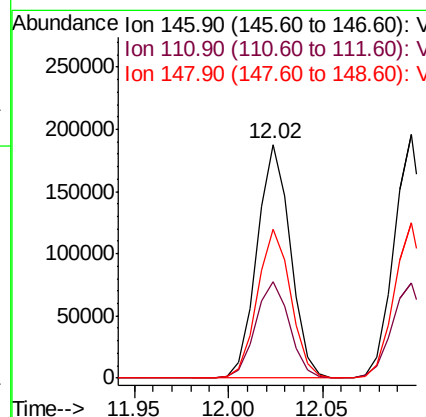
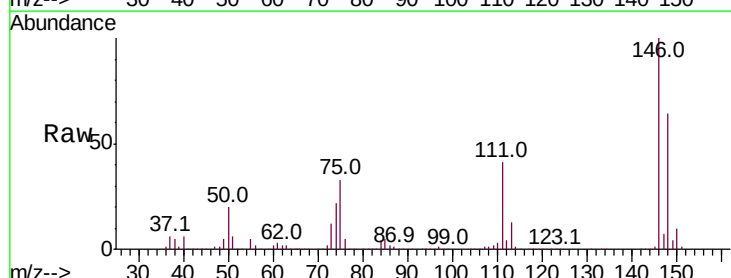
Manual Integrations
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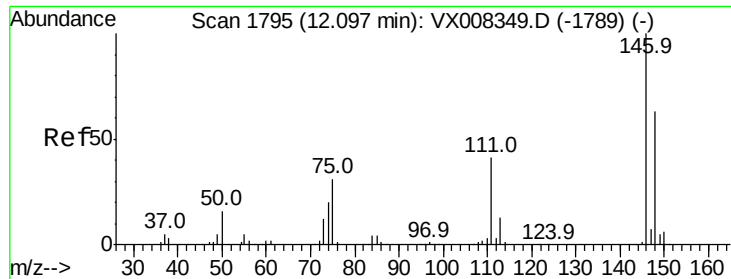
MMDadoda
3/25/2019 11:08:18 AM



#87
1,3-Dichlorobenzene
Concen: 46.793 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX008371.D
Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	230766		
111	41.9	18.9	56.7	
148	63.6	31.7	95.1	





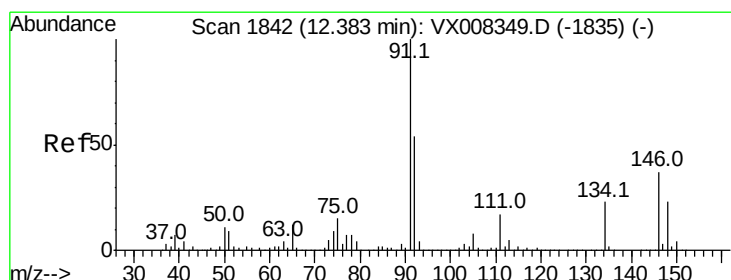
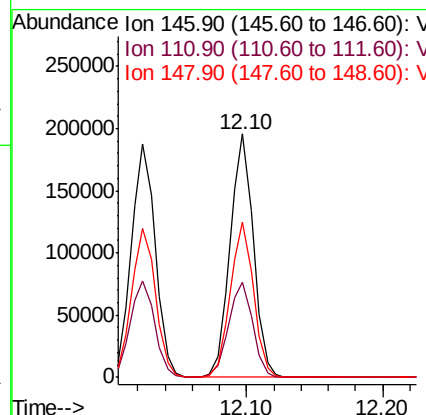
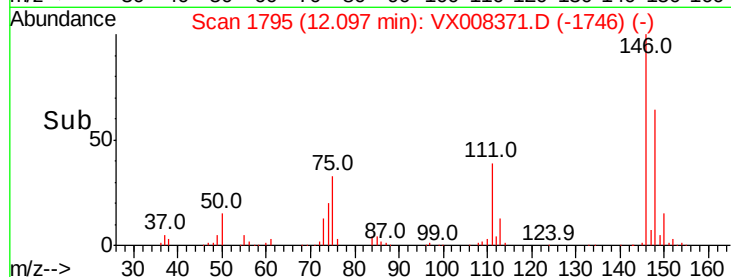
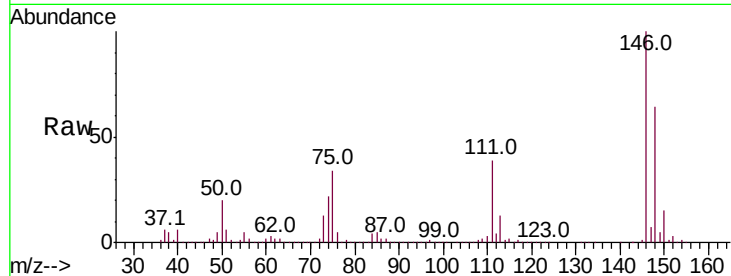
#88
 1,4-Dichlorobenzene
 Concen: 46.090 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.4	55.0
148	63.9	32.2	96.6

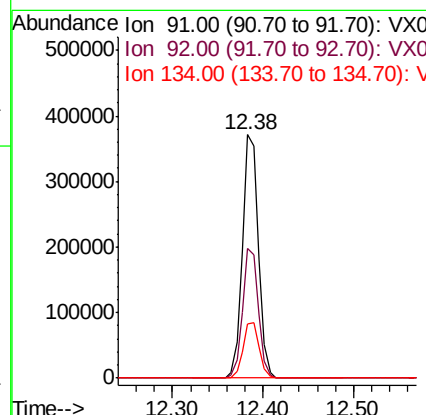
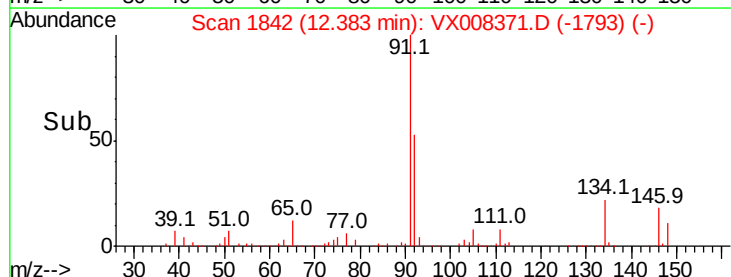
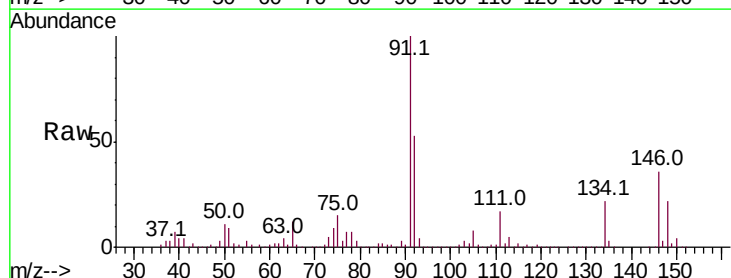
Manual Integrations
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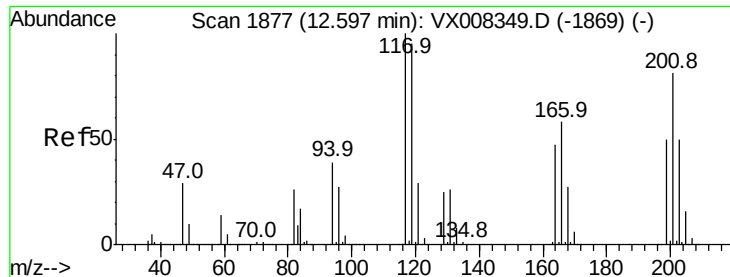
MMDadoda
 3/25/2019 11:08:18 AM



#89
 n-Butylbenzene
 Concen: 47.339 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	80.8
134	23.2	13.7	41.0





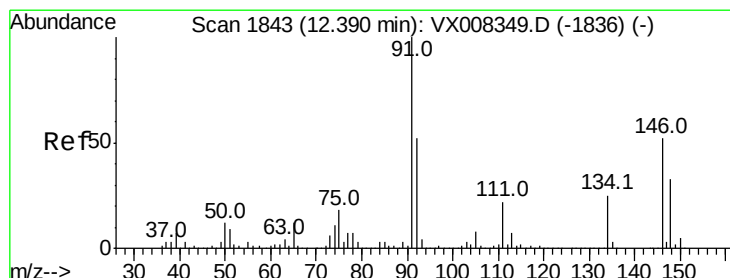
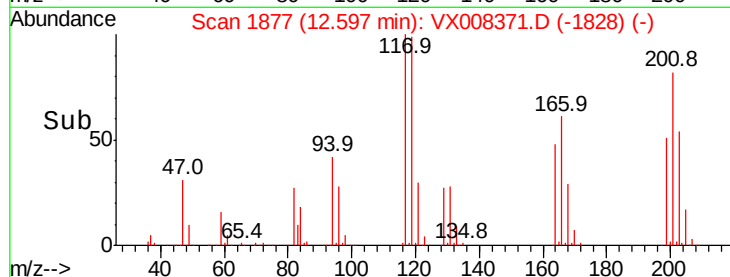
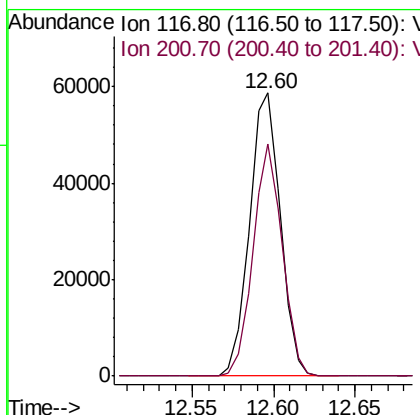
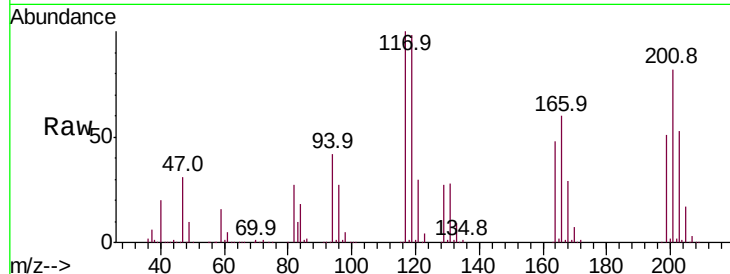
#90
 Hexachloroethane
 Concen: 47.242 ug/l
 RT: 12.60 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion:117 Resp: 77495
 Ion Ratio Lower Upper
 117 100
 201 77.6 48.9 146.7

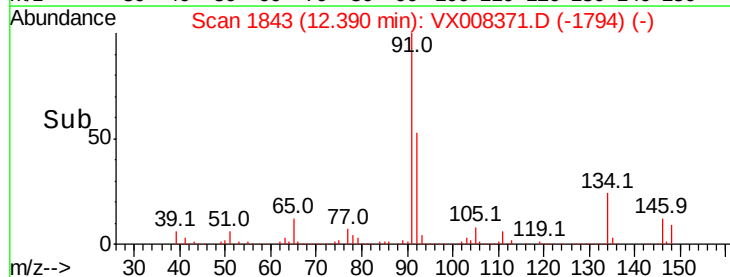
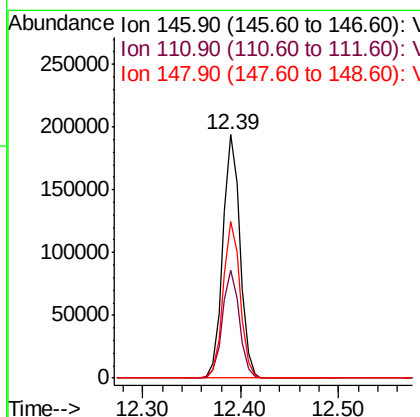
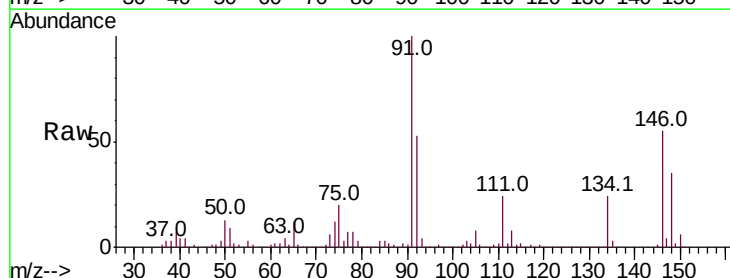
Manual Integrations
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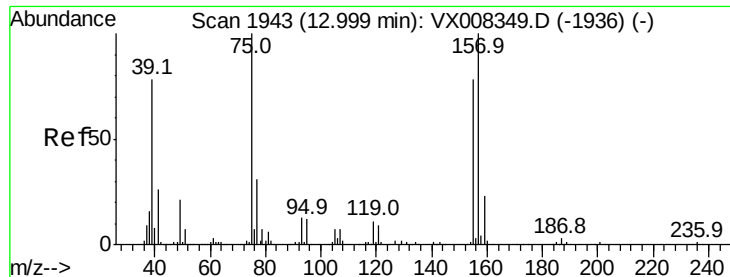
MMDadoda
 3/25/2019 11:08:18 AM



#91
 1,2-Dichlorobenzene
 Concen: 47.064 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Tgt Ion:146 Resp: 235072
 Ion Ratio Lower Upper
 146 100
 111 43.5 19.6 58.8
 148 63.6 31.9 95.5





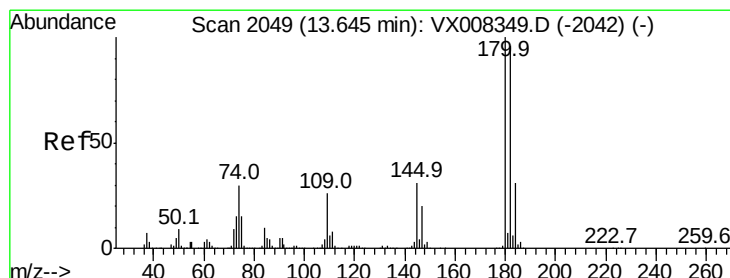
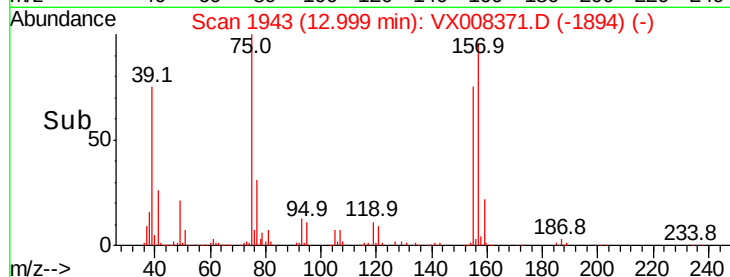
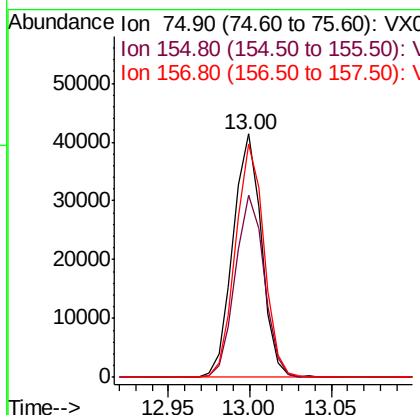
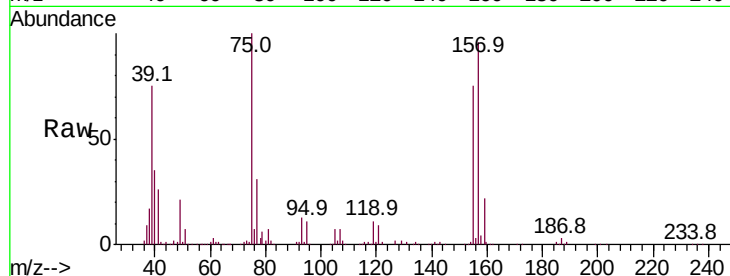
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.024 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion: 75 Resp: 50268
 Ion Ratio Lower Upper
 75 100
 155 76.2 49.7 149.1
 157 96.1 63.8 191.4

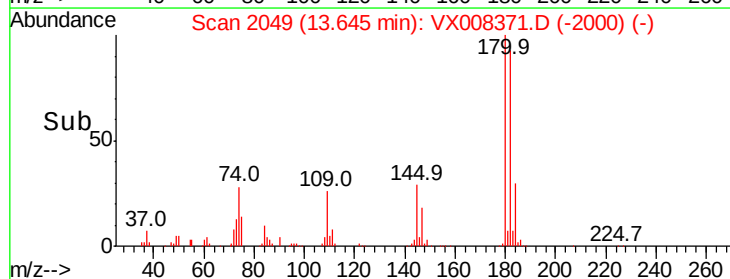
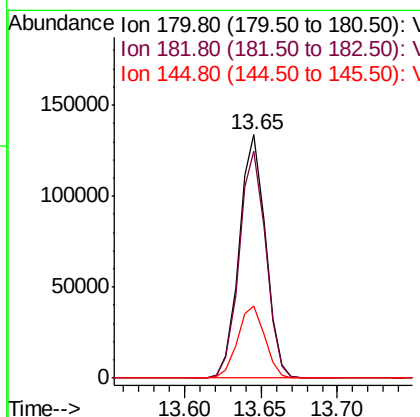
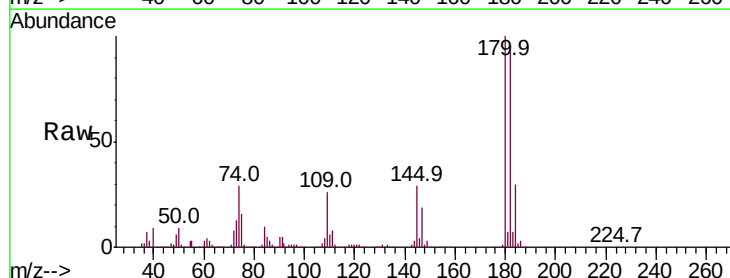
Manual Integrations
 APPROVED

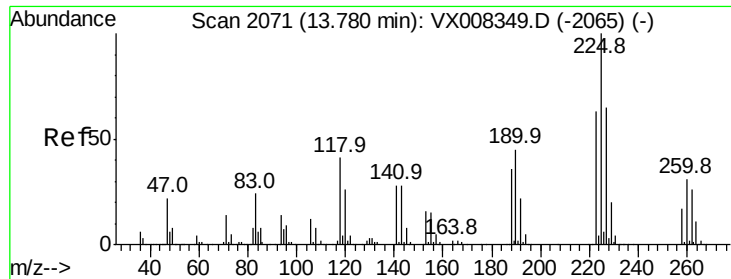
MMDadoda
 3/25/2019 11:08:18 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.445 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Tgt Ion: 180 Resp: 159798
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.9 143.7
 145 30.4 14.1 42.4





#94

Hexachlorobutadiene

Concen: 44.618 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX008371.D

Acq: 23 Mar 2019 23:36

Instrument :

MSVOA_X

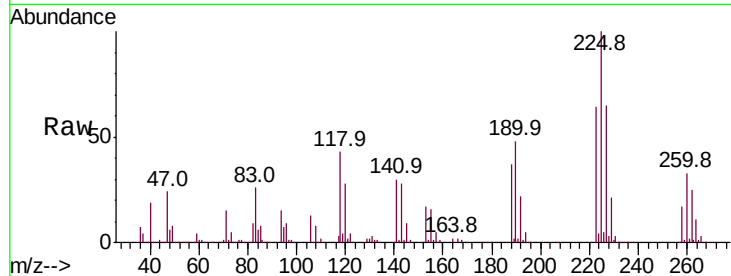
ClientSampleId :

BP-TT-SW4002-20190314MS

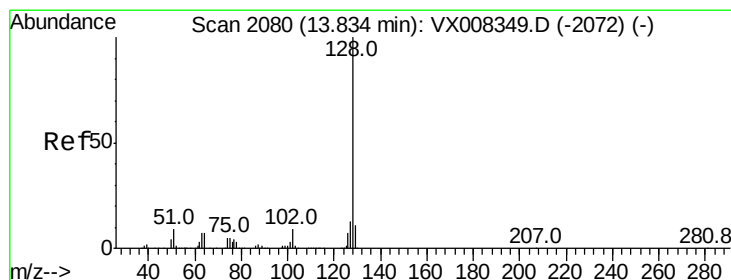
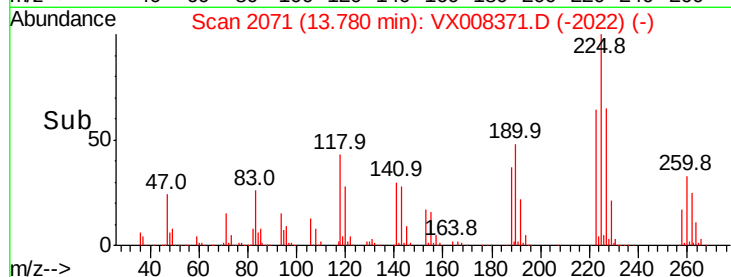
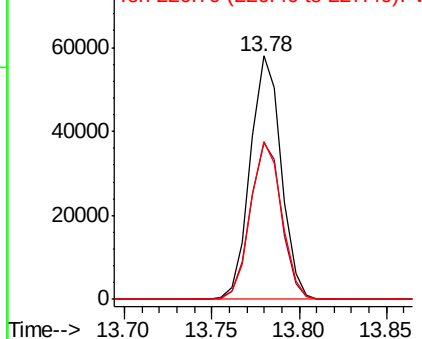
Tot Ion:	225	Resp:	71019
Ion Ratio	Lower	Upper	
225	100		
223	65.0	31.1	93.2
227	65.3	32.0	96.0

Manual Integrations
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3/25/2019 11:08:18 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 48.471 ug/l

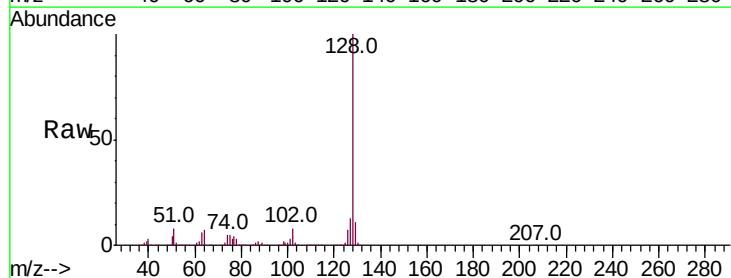
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

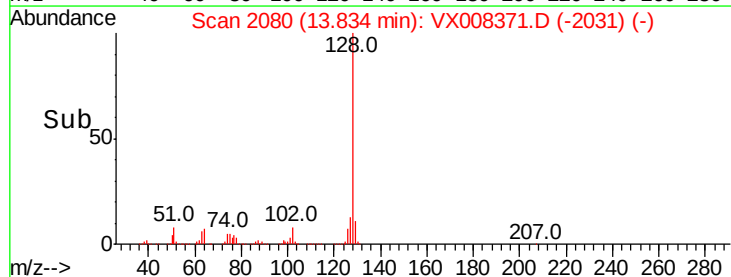
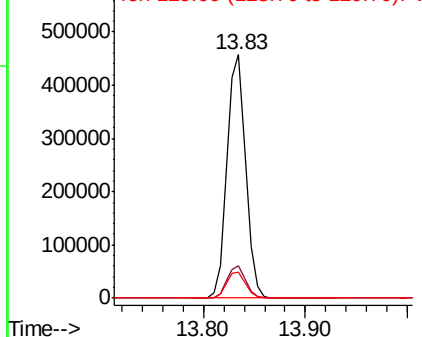
Lab File: VX008371.D

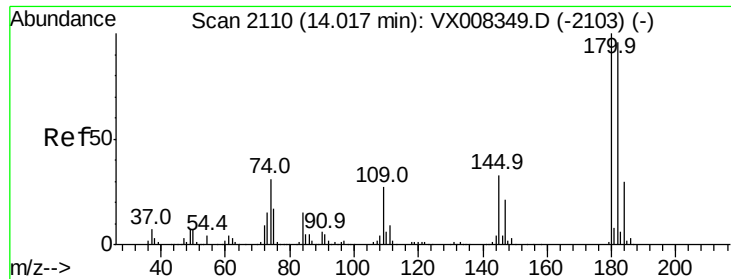
Acq: 23 Mar 2019 23:36

Tgt Ion:	128	Resp:	573300
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.8	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





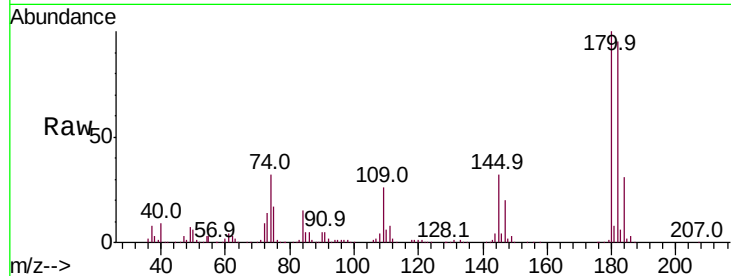
#96
 1,2,3-Trichlorobenzene
 Concen: 47.787 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX008371.D
 Acq: 23 Mar 2019 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162411		
182	94.9	47.5	142.5	
145	32.3	14.8	44.3	

Manual Integrations
 APPROVED

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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

