

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008372.D
 Acq On : 23 Mar 2019 23:59
 Operator : JC/SP
 Sample : K1937-14MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:08:29 AM

Quant Time: Mar 25 09:17:18 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	5.66	168	194182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	338716	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145598	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	146073	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	5.49	113	108087	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	8.71	98	431849	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	159103	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	109600	49.858	ug/l	99
3) Chloromethane	1.32	50	159322	48.892	ug/l	99
4) Vinyl Chloride	1.40	62	159216	50.060	ug/l	100
5) Bromomethane	1.64	94	97692	48.777	ug/l	100
6) Chloroethane	1.71	64	93249	50.060	ug/l	99
7) Trichlorofluoromethane	1.92	101	178325	49.303	ug/l	98
8) Diethyl Ether	2.18	74	85925	49.615	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	104969	48.991	ug/l	89
10) Methyl Iodide	2.51	142	138823	51.070	ug/l	98
11) Tert butyl alcohol	3.06	59	172452	261.417	ug/l	99
12) 1,1-Dichloroethene	2.37	96	109257	49.400	ug/l	89
13) Acrolein	2.29	56	130900	232.210	ug/l	99
14) Allyl chloride	2.73	41	240167	49.086	ug/l	95
15) Acrylonitrile	3.14	53	429532	254.261	ug/l	99
16) Acetone	2.45	43	363734	245.706	ug/l	97
17) Carbon Disulfide	2.57	76	334909	47.356	ug/l	100
18) Methyl Acetate	2.77	43	168364	45.437	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	400861	50.323	ug/l	97
20) Methylene Chloride	2.85	84	130235	48.869	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	115535	48.243	ug/l	90
22) Diisopropyl ether	3.85	45	482804	50.680	ug/l #	88
23) Vinyl Acetate	3.81	43	2005068	238.384	ug/l	96
24) 1,1-Dichloroethane	3.70	63	241386	49.698	ug/l	98
25) 2-Butanone	4.67	43	618981	253.933	ug/l	97
26) 2,2-Dichloropropane	4.58	77	130771	41.789	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	134398	48.998	ug/l	91
28) Bromochloromethane	5.01	49	122067	50.343	ug/l #	78
29) Tetrahydrofuran	5.13	42	406208	250.975	ug/l	96
30) Chloroform	5.21	83	219397	50.101	ug/l	98
31) Cyclohexane	5.58	56	231923	49.795	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	176244	50.870	ug/l	96
36) 1,1-Dichloropropene	5.80	75	170612	49.293	ug/l	96
37) Ethyl Acetate	4.83	43	219751	46.912	ug/l	98
38) Carbon Tetrachloride	5.78	117	145973	49.200	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	206943	48.779	ug/l	91
40) Benzene	6.14	78	523381	49.653	ug/l	99
41) Methacrylonitrile	5.04	41	133518	52.293	ug/l	96
42) 1,2-Dichloroethane	6.19	62	187651	49.056	ug/l	96
43) Isopropyl Acetate	6.45	43	357524	49.014	ug/l	97
44) Trichloroethene	7.21	130	116920	47.765	ug/l	85
45) 1,2-Dichloropropane	7.51	63	148705	49.833	ug/l	99
46) Dibromomethane	7.66	93	85690	48.388	ug/l #	85
47) Bromodichloromethane	7.90	83	169417	50.155	ug/l	97
48) Methyl methacrylate	7.77	41	189359	51.446	ug/l	94
49) 1,4-Dioxane	7.74	88	75660	1018.828	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	1244517	260.038	ug/l	97
52) Toluene	8.79	92	311884	50.460	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	185374	51.043	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	205106	49.812	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	128563	50.076	ug/l	97
56) Ethyl methacrylate	9.18	69	237525	52.259	ug/l	91
57) 1,3-Dichloropropane	9.37	76	226846	49.598	ug/l	99
59) 2-Hexanone	9.49	43	985192	268.157	ug/l	96
60) Dibromochloromethane	9.58	129	122984	51.608	ug/l	98
61) 1,2-Dibromoethane	9.67	107	131361	50.415	ug/l	100
64) Tetrachloroethene	9.34	164	95037	47.659	ug/l	95
65) Chlorobenzene	10.13	112	317044	49.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	110990	50.046	ug/l	98
67) Ethyl Benzene	10.25	91	600963	50.186	ug/l	97
68) m/p-Xylenes	10.36	106	435050	101.115	ug/l	92
69) o-Xylene	10.69	106	212256	50.451	ug/l	93
70) Styrene	10.71	104	373448	51.184	ug/l	96
71) Bromoform	10.85	173	89557	52.421	ug/l #	100
73) Isopropylbenzene	11.02	105	561756	48.890	ug/l	98
74) N-amyl acetate	10.90	43	327613	48.699	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	224526	49.057	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	186010m	48.809	ug/l	
77) Bromobenzene	11.26	156	133362	49.052	ug/l	81
78) n-propylbenzene	11.36	91	664075	49.311	ug/l	95
79) 2-Chlorotoluene	11.42	91	399448	48.693	ug/l	93
80) 1,3,5-Trimethylbenzene	11.51	105	480774	49.186	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	65323	48.846	ug/l	91
82) 4-Chlorotoluene	11.51	91	461052	48.776	ug/l	94
83) tert-Butylbenzene	11.77	119	457644	49.167	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	485711	49.794	ug/l	97
85) sec-Butylbenzene	11.94	105	545411	48.891	ug/l	96
86) p-Isopropyltoluene	12.06	119	493887	50.229	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	239642	49.077	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	240683	48.442	ug/l	97
89) n-Butylbenzene	12.38	91	465753	49.617	ug/l	97
90) Hexachloroethane	12.60	117	80443	49.528	ug/l	80
91) 1,2-Dichlorobenzene	12.39	146	244669	49.474	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50842	52.120	ug/l	76
93) 1,2,4-Trichlorobenzene	13.65	180	164369	49.288	ug/l	98

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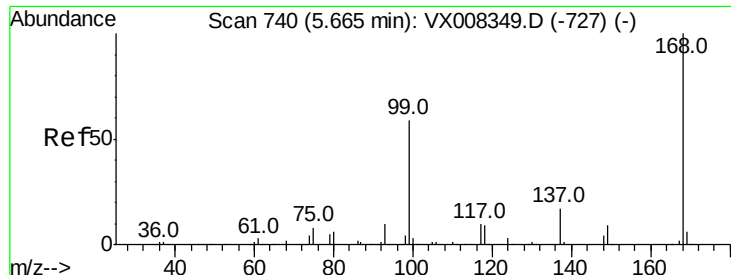
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	76064	48.263	ug/l	99
95) Naphthalene	13.83	128	584021	49.869	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	165917	49.304	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:168 Resp: 194182

Ion Ratio Lower Upper

168 100

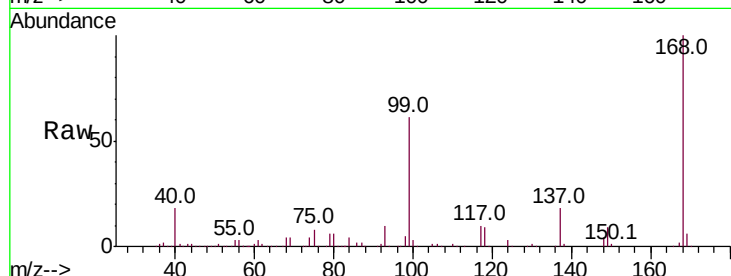
99 60.6 37.6 56.4#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

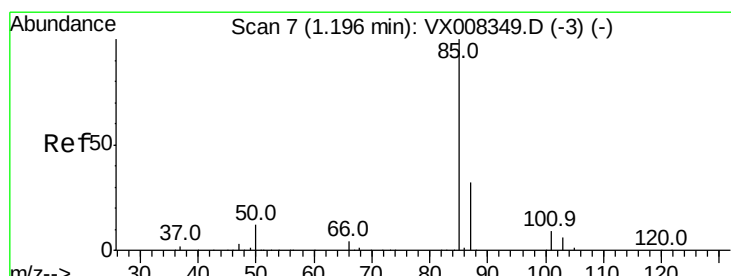
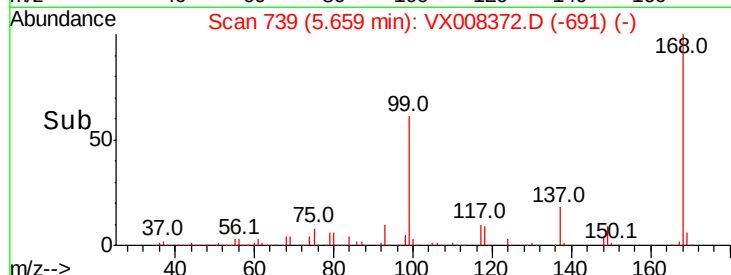
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.858 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008372.D

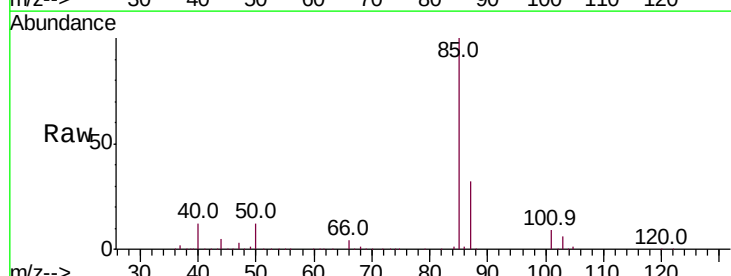
Acq: 23 Mar 2019 23:59

Tgt Ion: 85 Resp: 109600

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

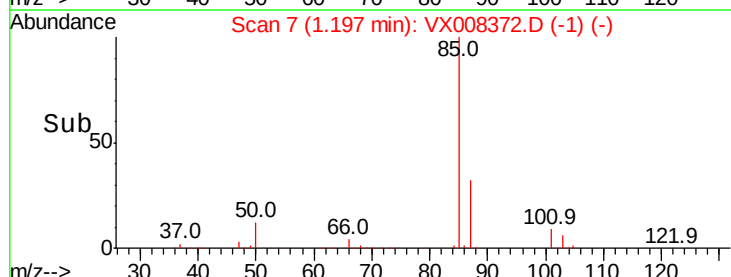
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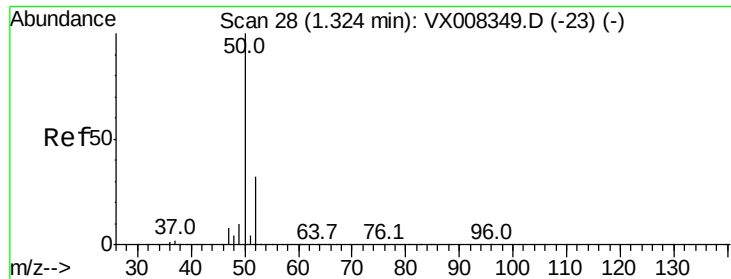
40000

20000

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Time-->





#3

Chloromethane

Concen: 48.892 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion: 50 Resp: 159322

Ion Ratio Lower Upper

50 100

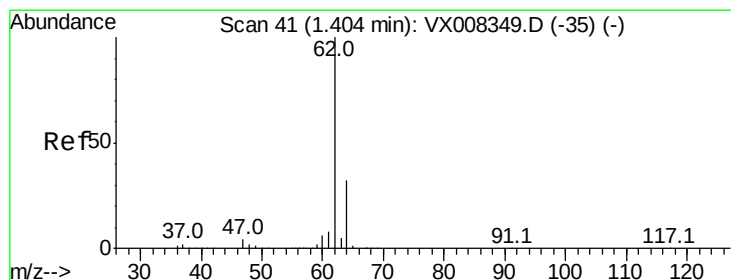
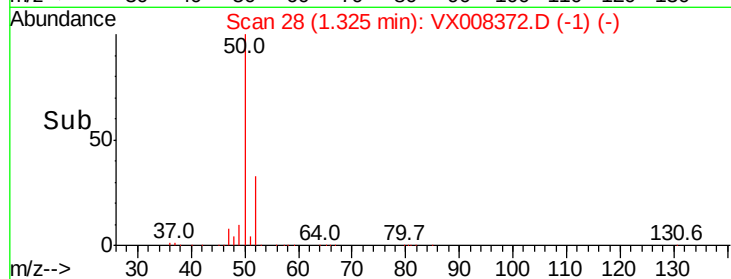
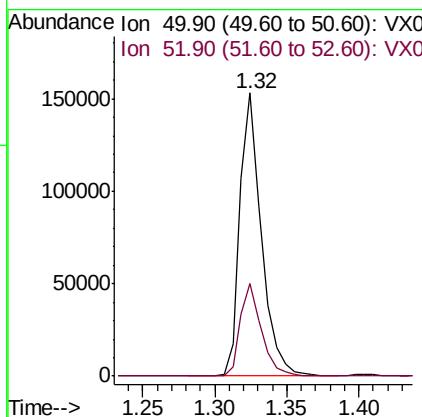
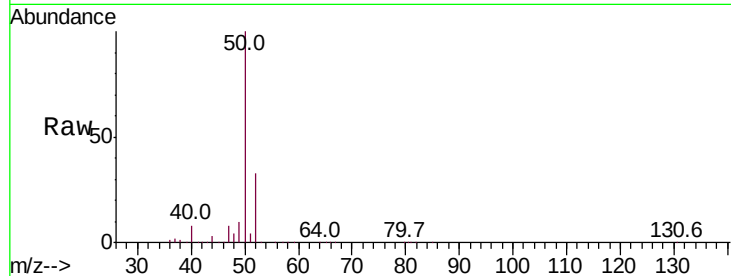
52 32.6 26.5 39.7

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#4

Vinyl Chloride

Concen: 50.060 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008372.D

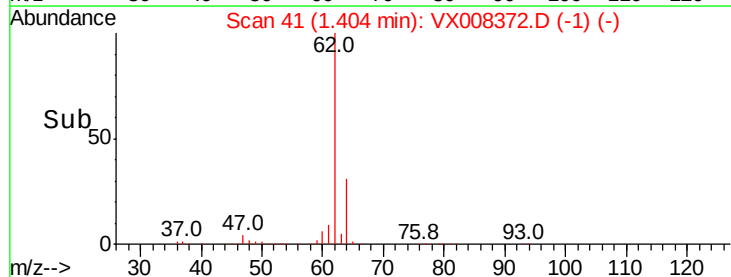
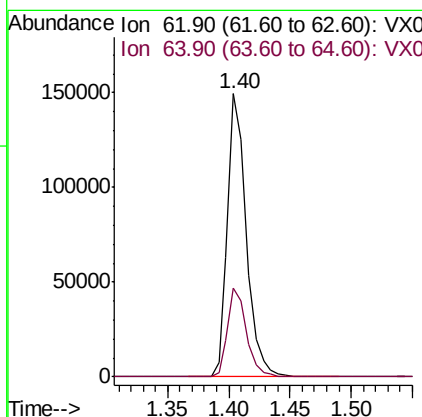
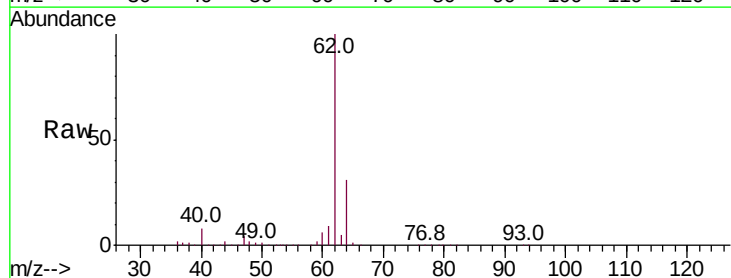
Acq: 23 Mar 2019 23:59

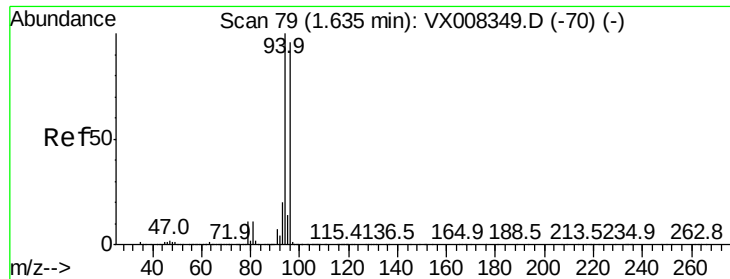
Tgt Ion: 62 Resp: 159216

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 48.777 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

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Tot Ion: 94 Resp: 97692

Ion Ratio Lower Upper

94 100

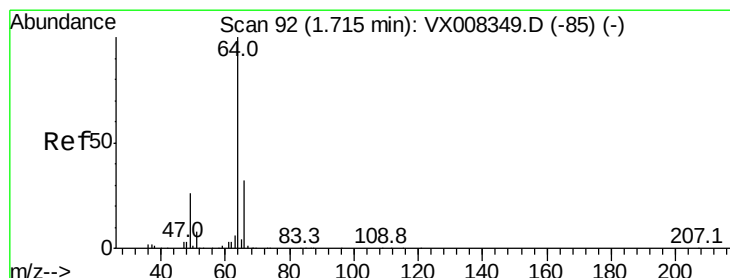
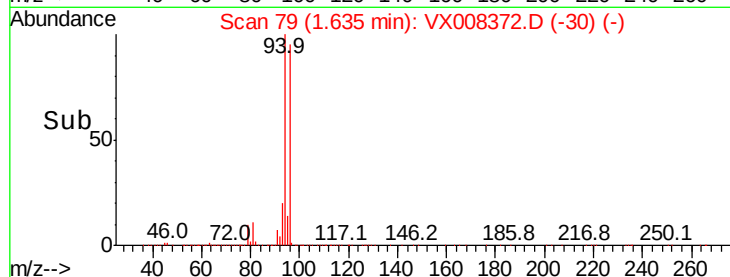
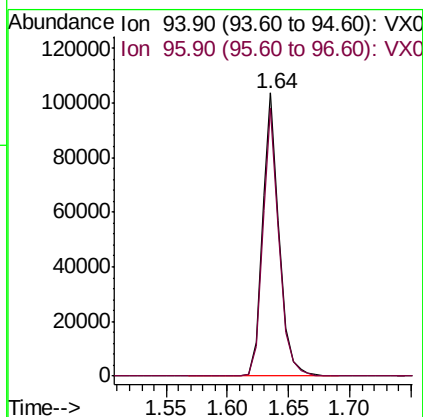
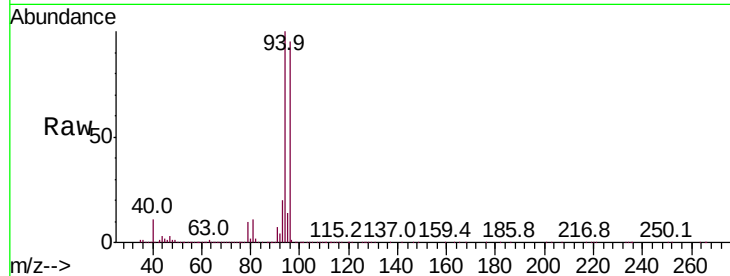
96 94.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 50.060 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008372.D

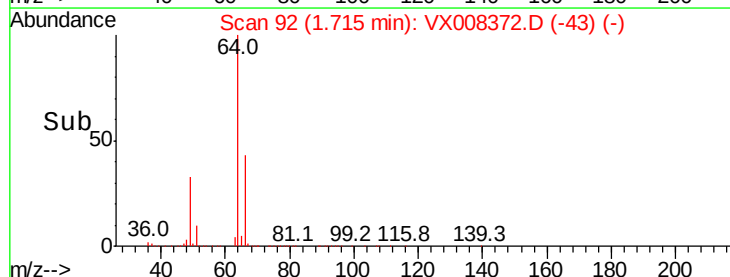
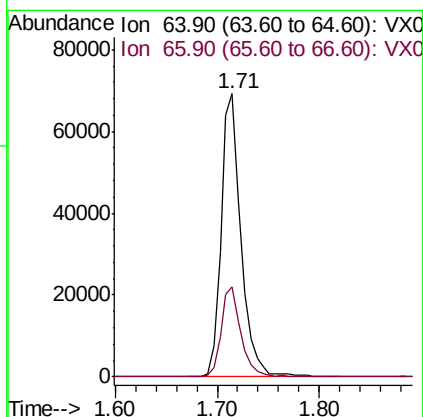
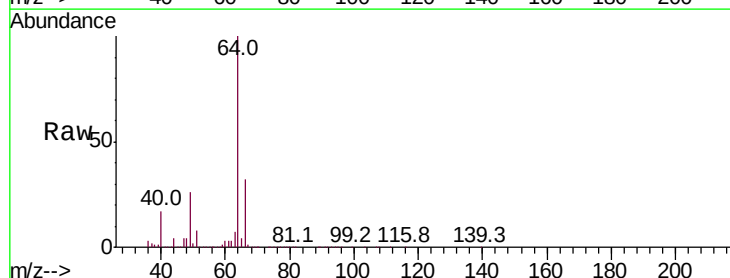
Acq: 23 Mar 2019 23:59

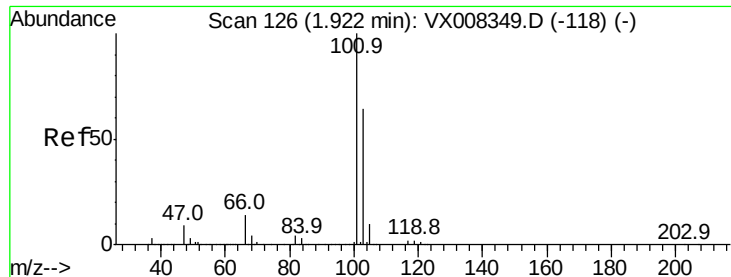
Tgt Ion: 64 Resp: 93249

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8





#7

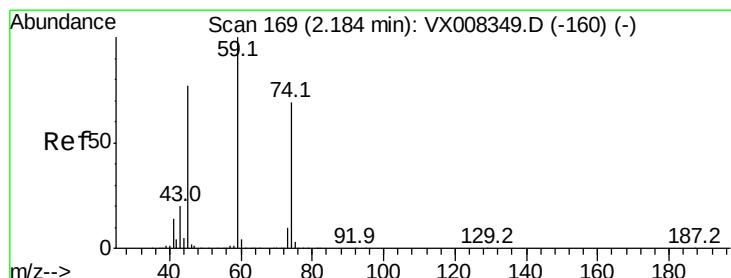
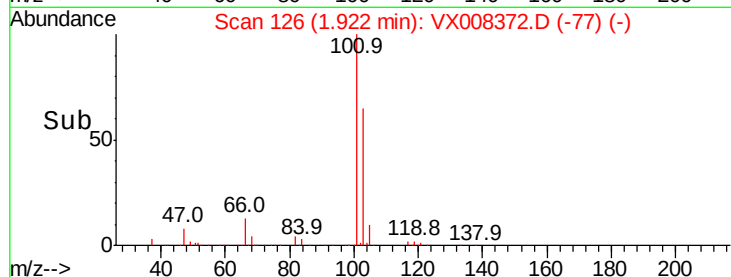
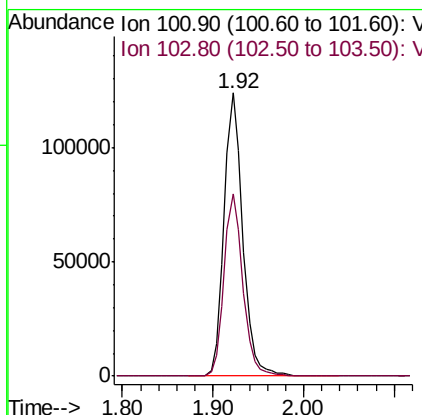
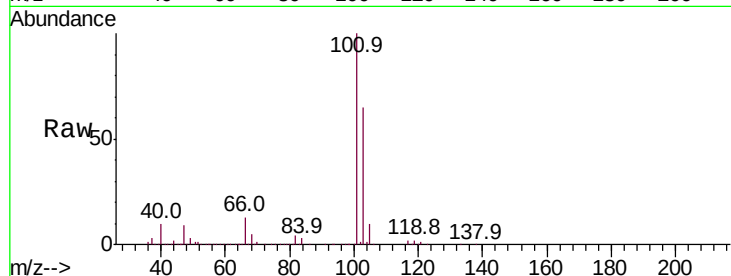
Trichlorofluoromethane
Concen: 49.303 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	178325		
103	64.6	50.4	75.6	

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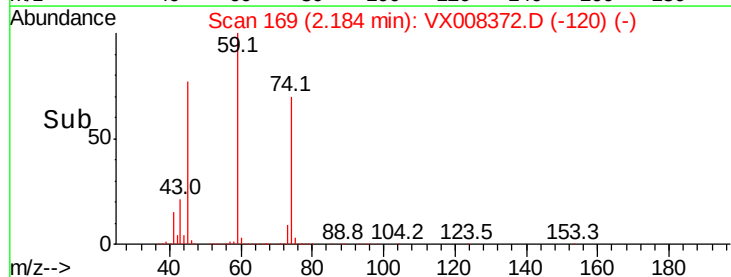
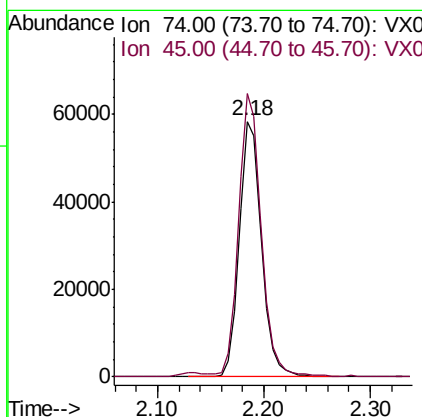
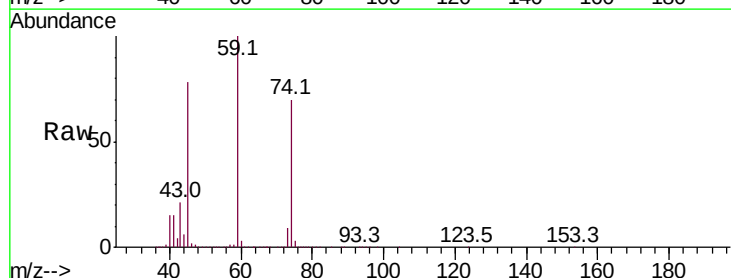
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3/25/2019 11:08:29 AM

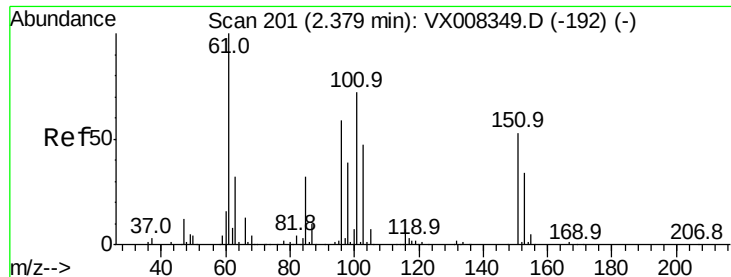


#8

Diethyl Ether
Concen: 49.615 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	85925		
45	112.1	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.991 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

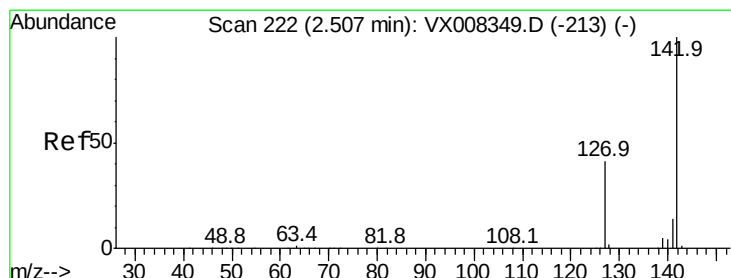
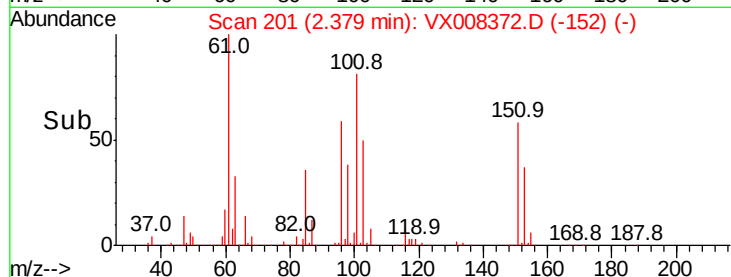
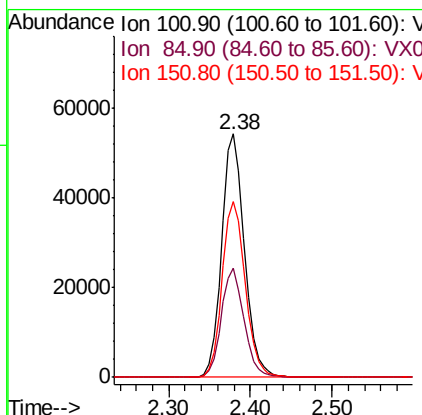
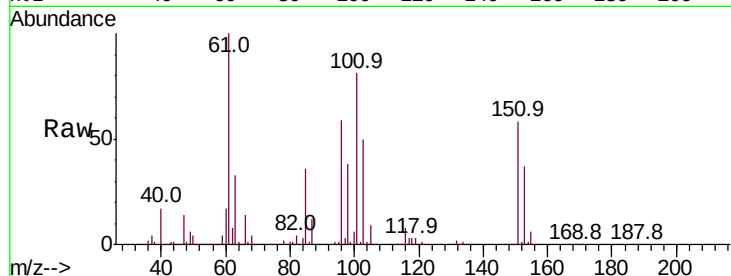
ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:	101	Resp:	104969
Ion Ratio	Lower	Upper	
101	100		
85	44.6	33.8	50.6
151	73.5	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 51.070 ug/l

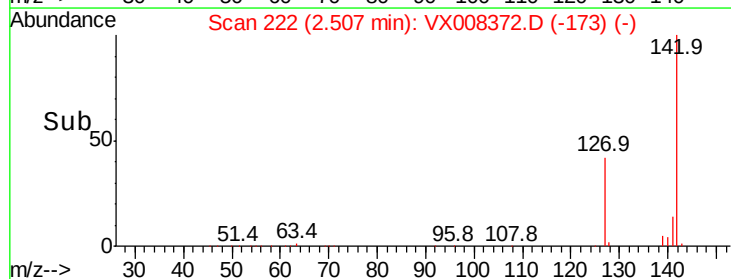
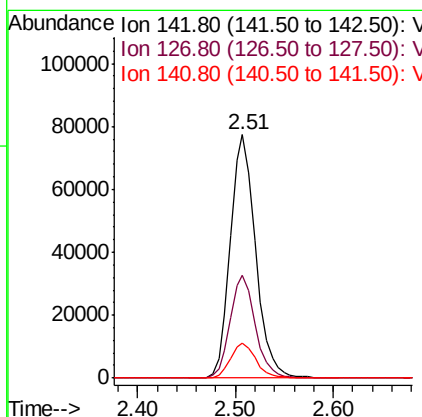
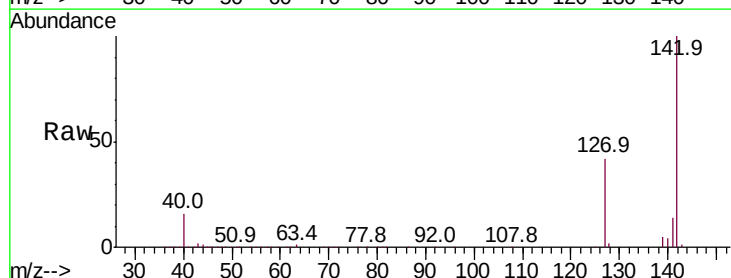
RT: 2.51 min Scan# 222

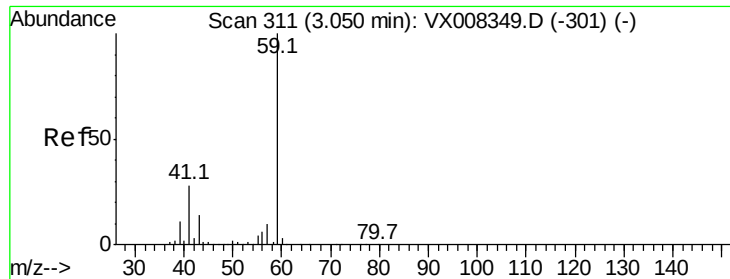
Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Tgt Ion:	142	Resp:	138823
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.1	48.1
141	14.3	11.4	17.2





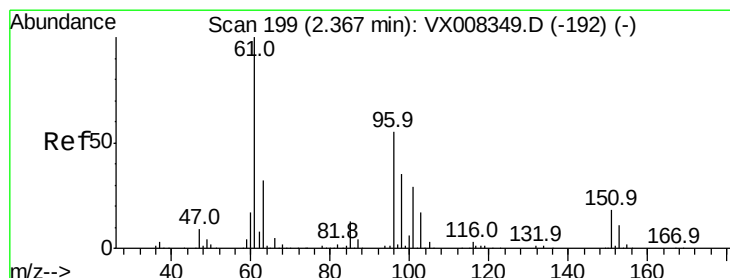
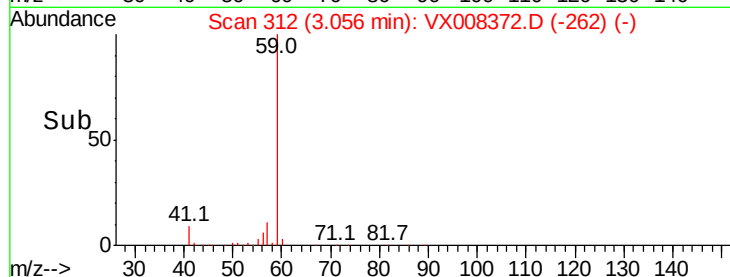
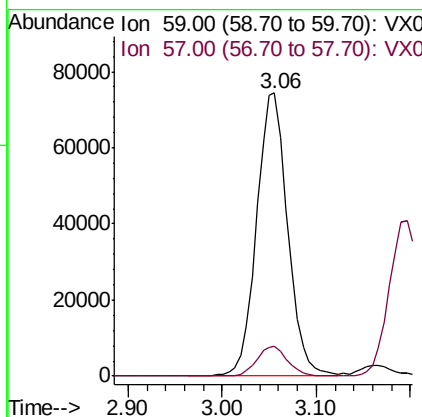
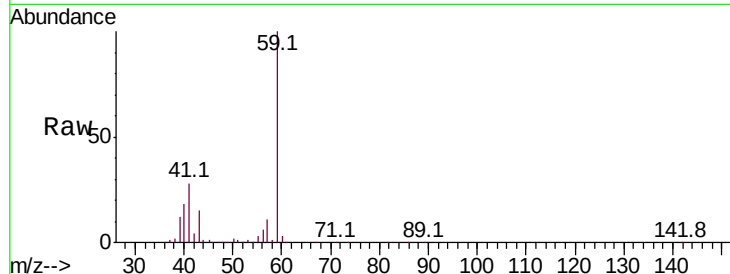
#11
Tert butyl alcohol
Concen: 261.417 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion: 59 Resp: 172452
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

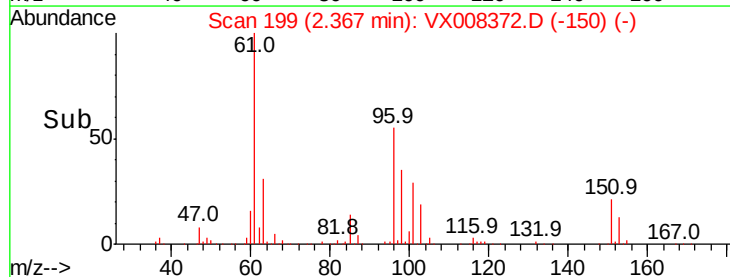
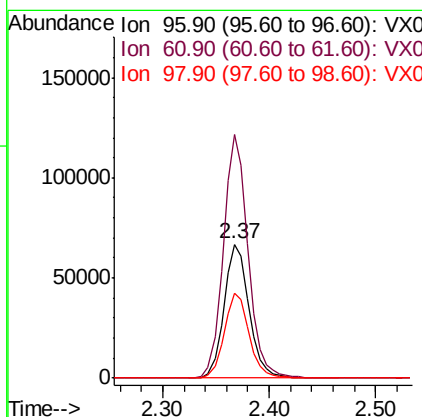
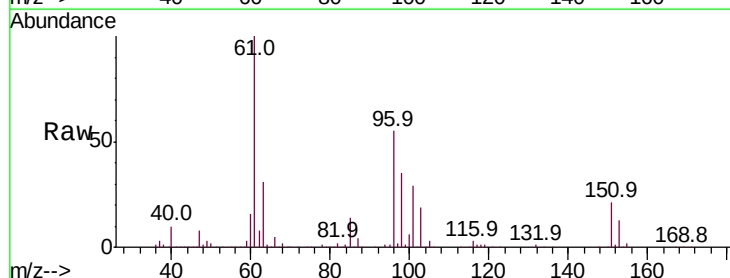
Manual Integrations
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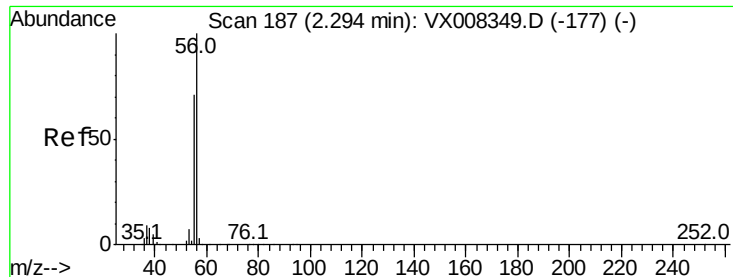
MMDadoda
3/25/2019 11:08:29 AM



#12
1,1-Dichloroethene
Concen: 49.400 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion: 96 Resp: 109257
Ion Ratio Lower Upper
96 100
61 181.8 129.8 194.6
98 63.6 51.0 76.6





#13

Acrolein

Concen: 232.210 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion: 56 Resp: 130900

Ion Ratio Lower Upper

56 100

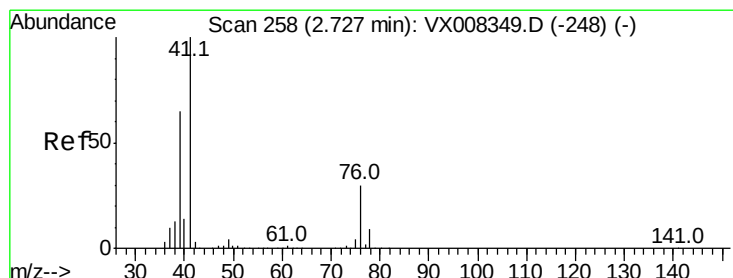
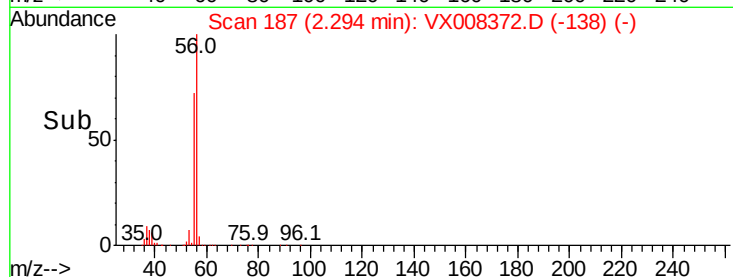
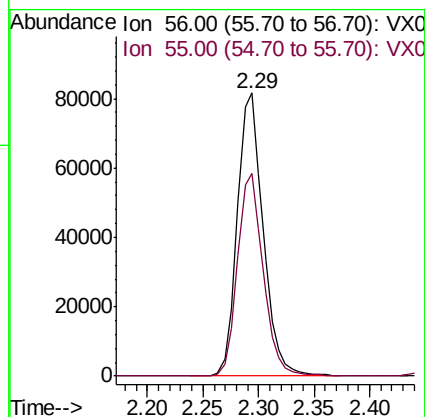
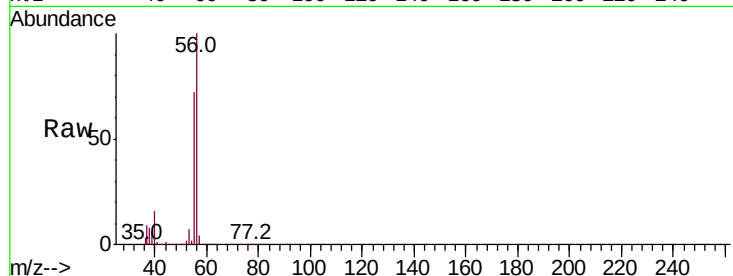
55 71.0 57.8 86.6

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#14

Allyl chloride

Concen: 49.086 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

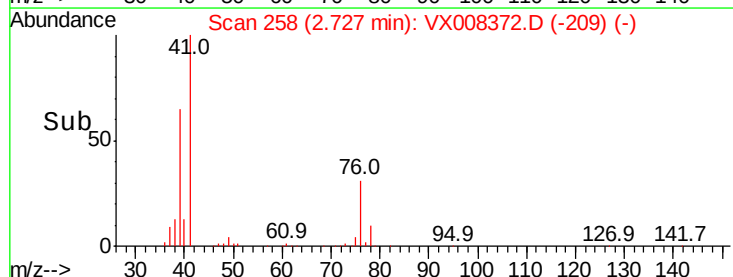
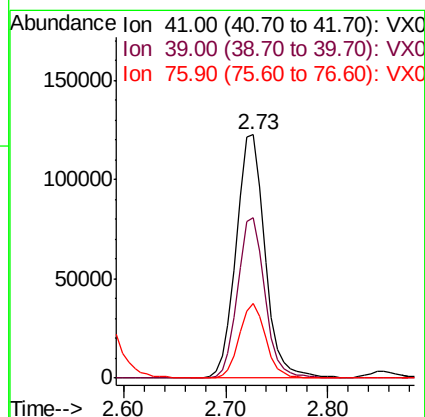
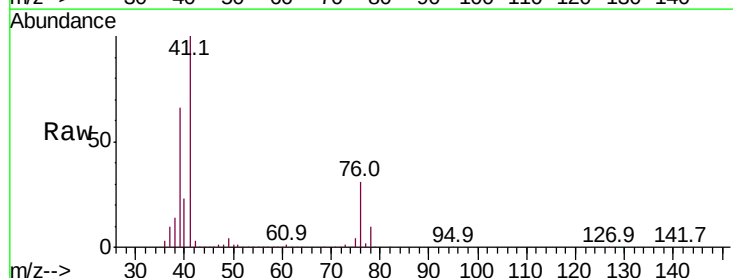
Tgt Ion: 41 Resp: 240167

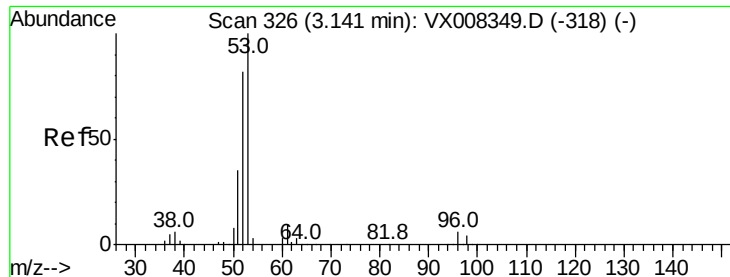
Ion Ratio Lower Upper

41 100

39 62.3 46.1 69.1

76 27.9 24.0 36.0





#15

Acrylonitrile

Concen: 254.261 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

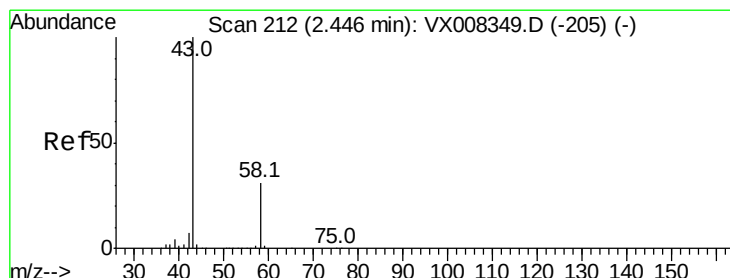
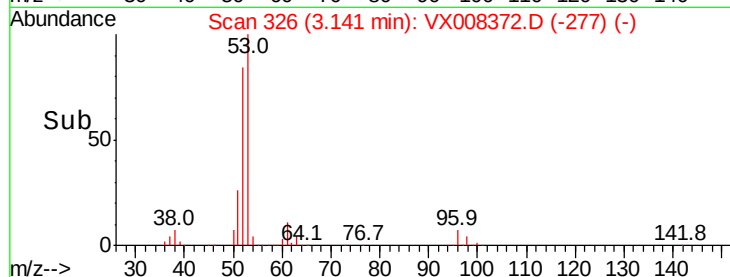
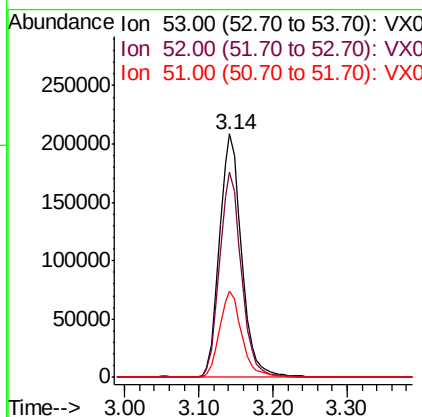
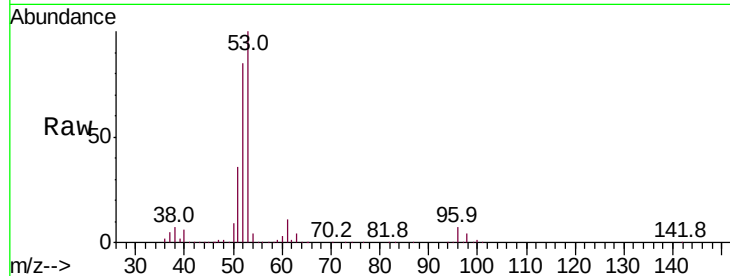
ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:	53	Resp:	429532
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.0	99.0
51	35.7	28.0	42.0

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#16

Acetone

Concen: 245.706 ug/l

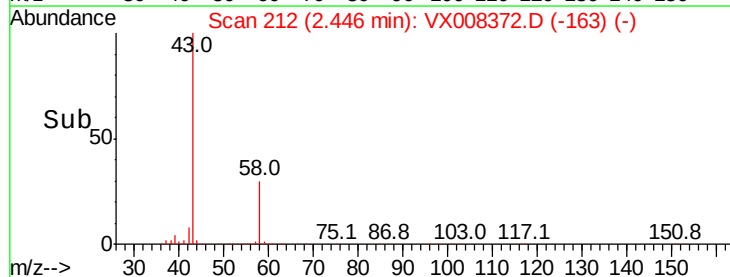
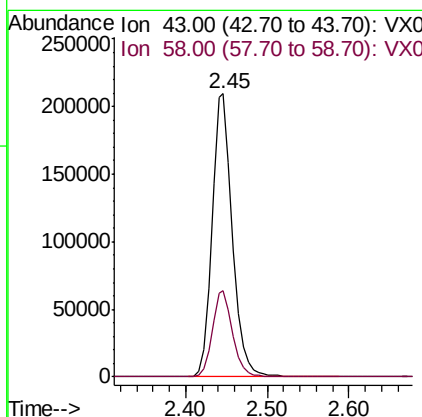
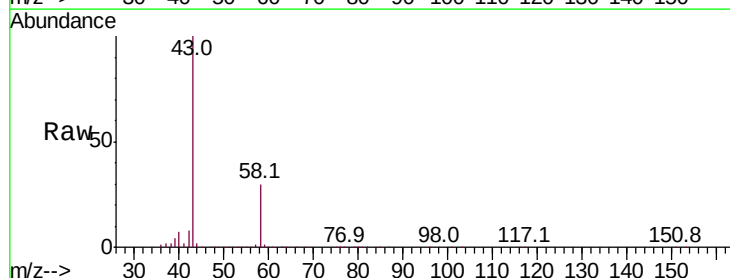
RT: 2.45 min Scan# 212

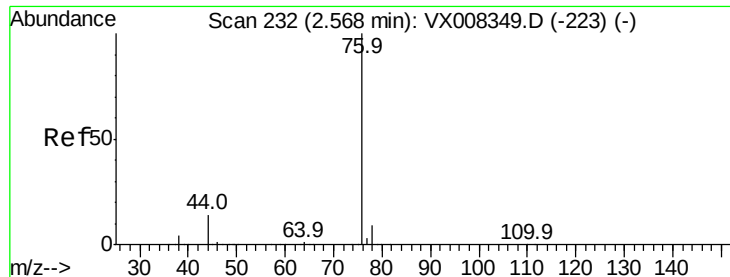
Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Tgt Ion:	43	Resp:	363734
Ion Ratio	Lower	Upper	
43	100		
58	30.4	25.5	38.3





#17

Carbon Disulfide

Concen: 47.356 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion: 76 Resp: 334909

Ion Ratio Lower Upper

76 100

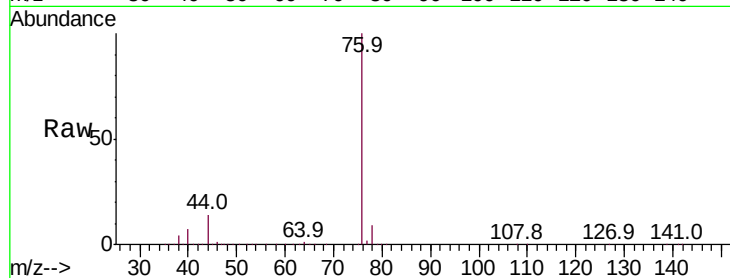
78 8.9 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

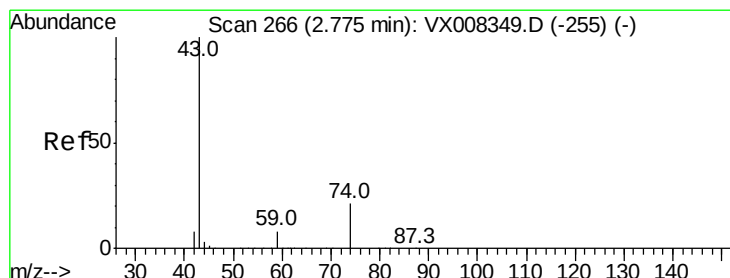
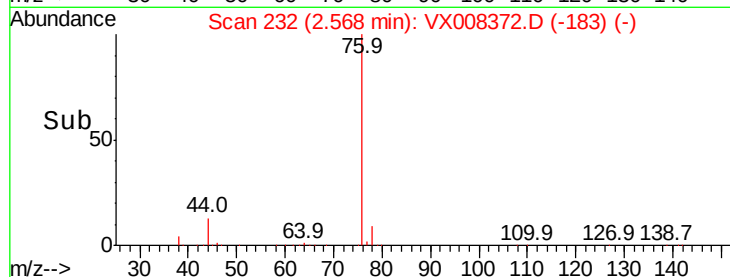
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.437 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008372.D

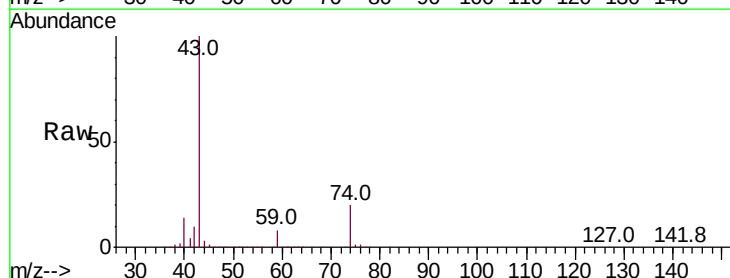
Acq: 23 Mar 2019 23:59

Tgt Ion: 43 Resp: 168364

Ion Ratio Lower Upper

43 100

74 20.8 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

100000

80000

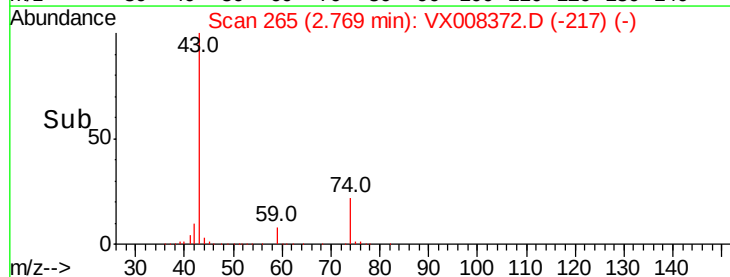
60000

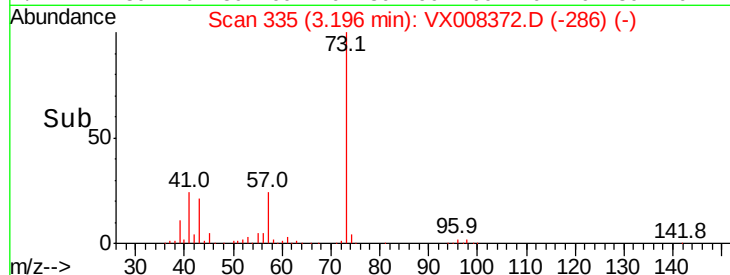
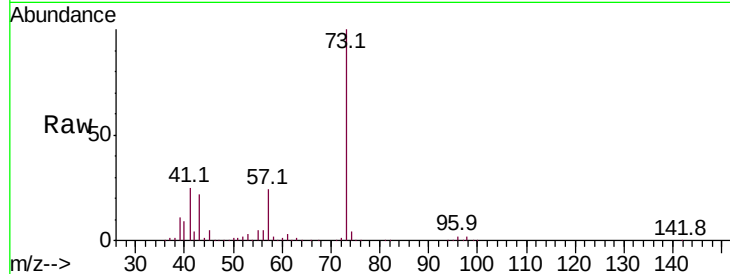
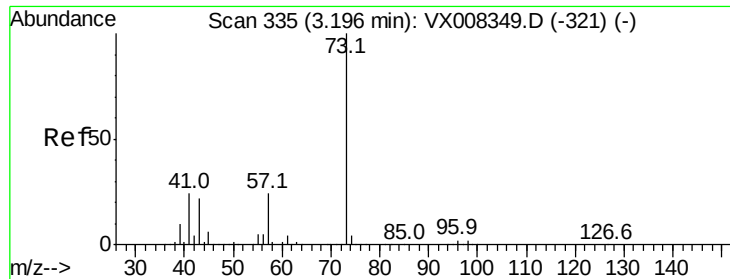
40000

20000

0

Time-->





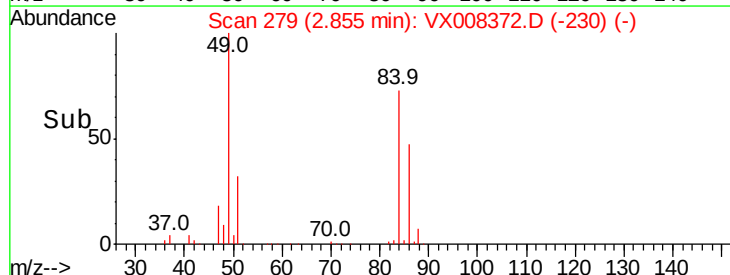
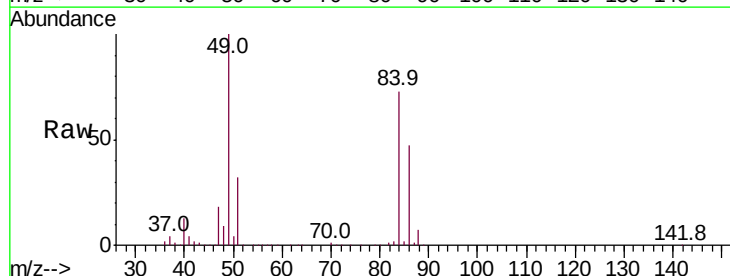
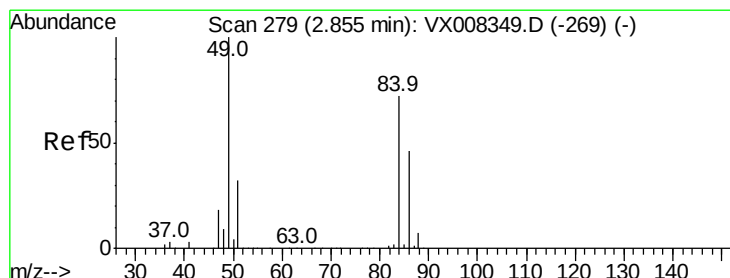
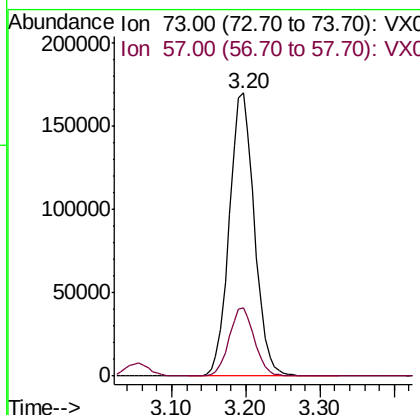
#19
Methyl tert-butyl Ether
Concen: 50.323 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.2	27.4

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

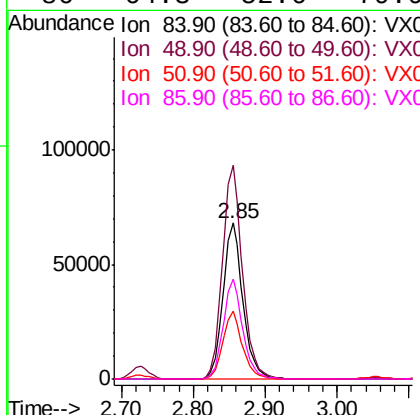
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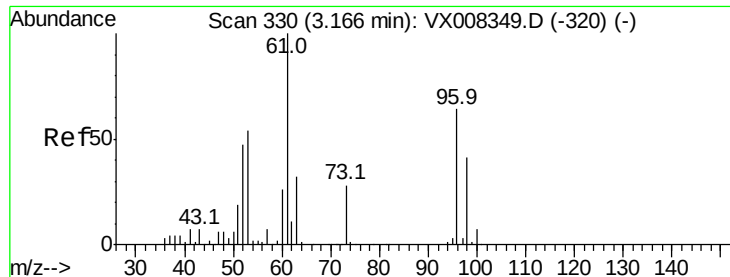
MMDadoda
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#20
Methylene Chloride
Concen: 48.869 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.0	99.3	148.9
51	43.2	31.3	46.9
86	64.3	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 48.243 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion: 96 Resp: 115535

Ion Ratio Lower Upper

96 100

61 159.4 114.4 171.6

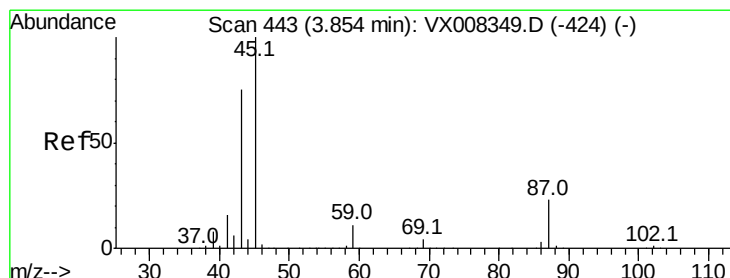
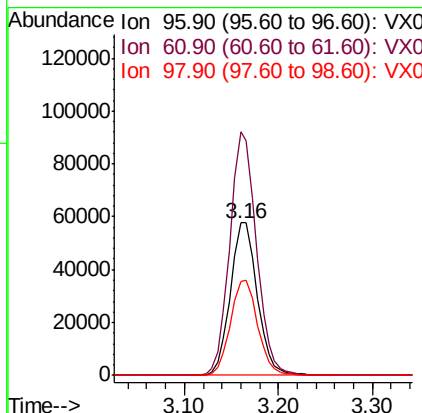
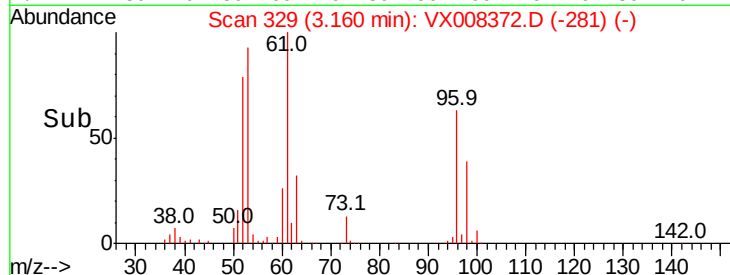
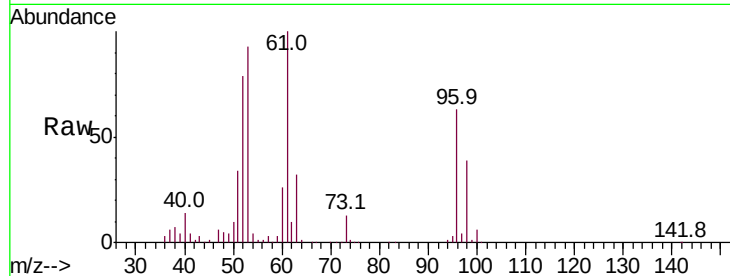
98 61.7 51.1 76.7

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#22

Diisopropyl ether

Concen: 50.680 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Tgt Ion: 45 Resp: 482804

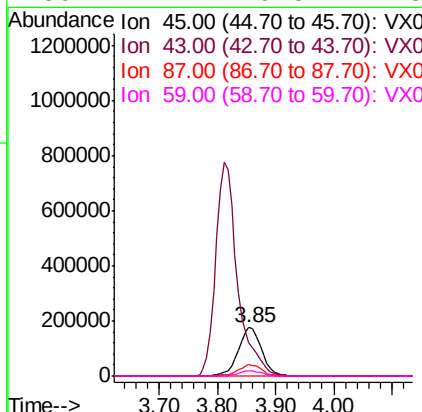
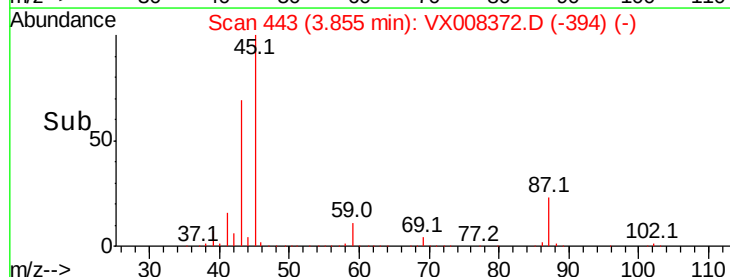
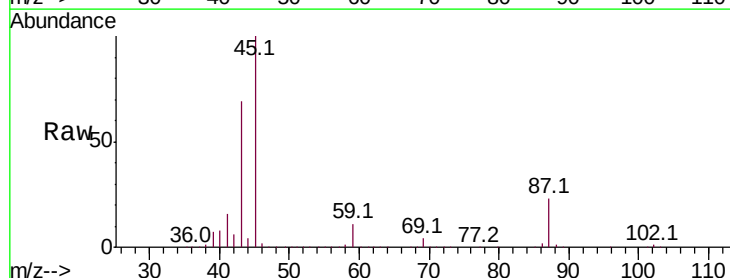
Ion Ratio Lower Upper

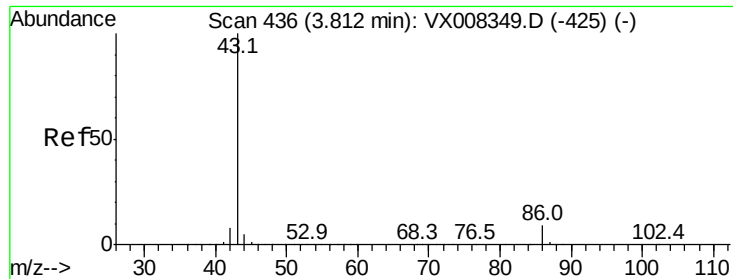
45 100

43 69.2 45.3 67.9#

87 23.0 21.4 32.0

59 11.1 9.5 14.3





#23

Vinyl Acetate

Concen: 238.384 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion: 43 Resp: 2005068

Ion Ratio Lower Upper

43 100

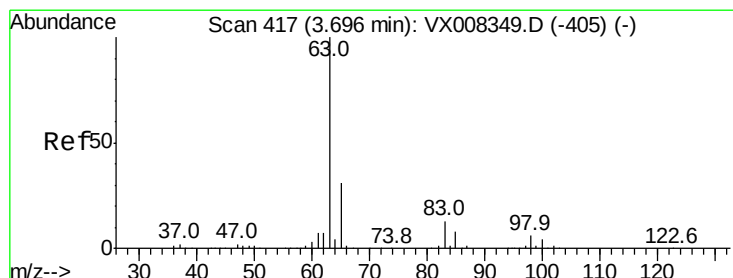
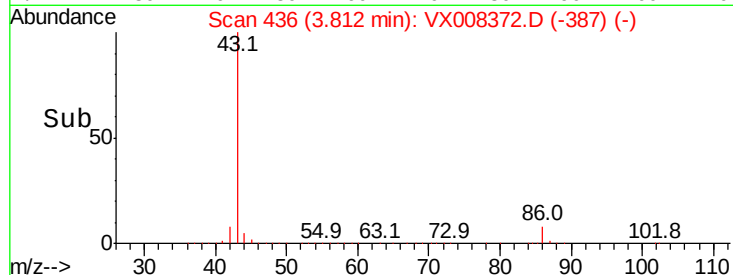
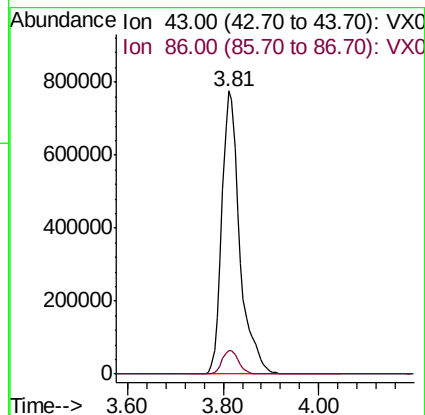
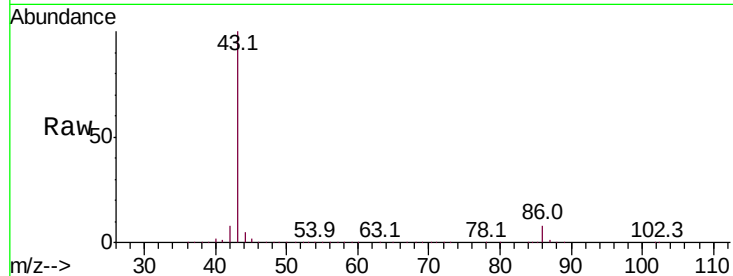
86 8.5 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 49.698 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

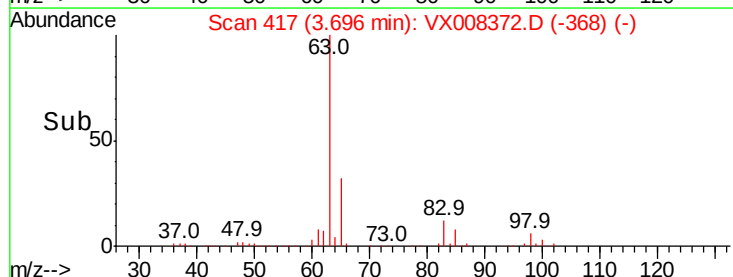
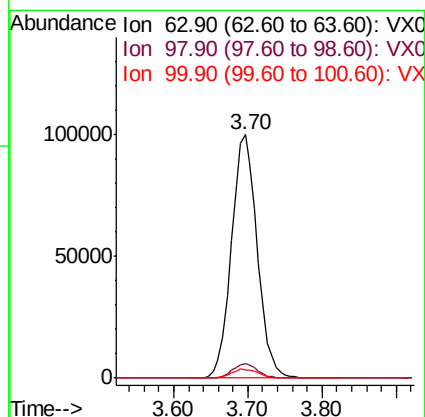
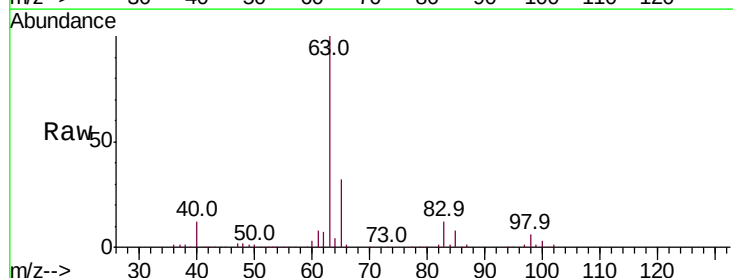
Tgt Ion: 63 Resp: 241386

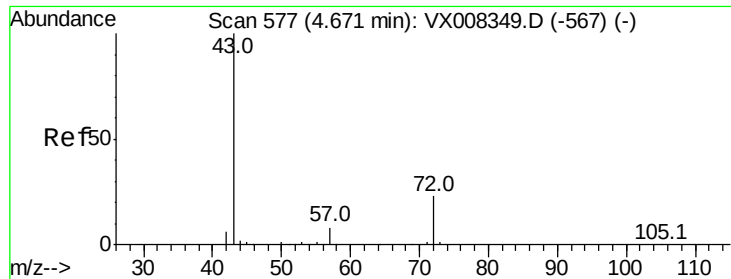
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 3.4 2.3 6.8





#25

2-Butanone

Concen: 253.933 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion: 43 Resp: 618981

Ion Ratio Lower Upper

43 100

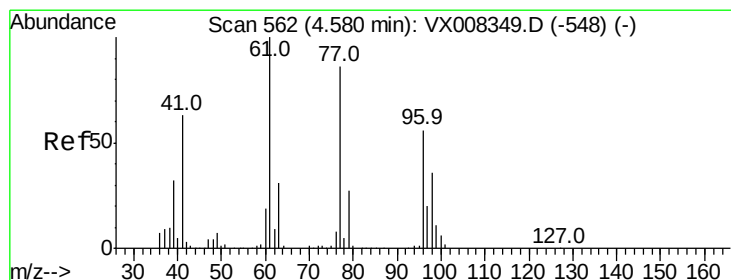
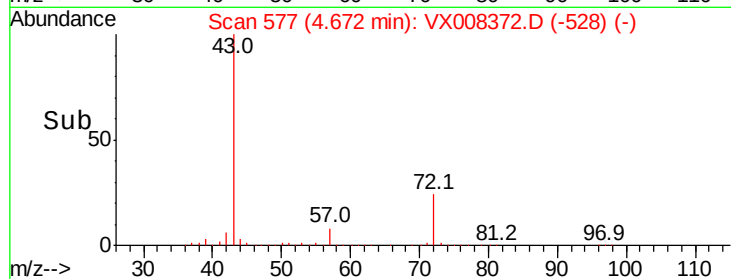
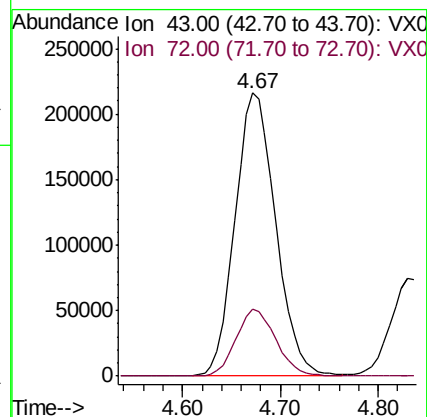
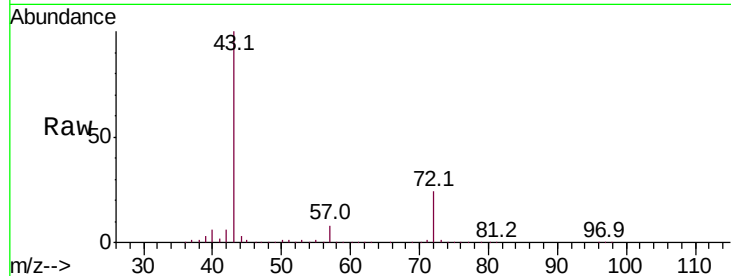
72 23.6 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.789 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX008372.D

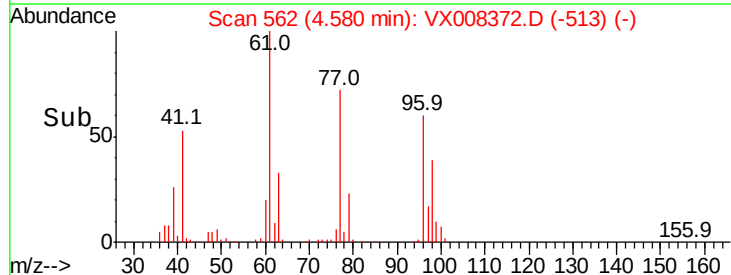
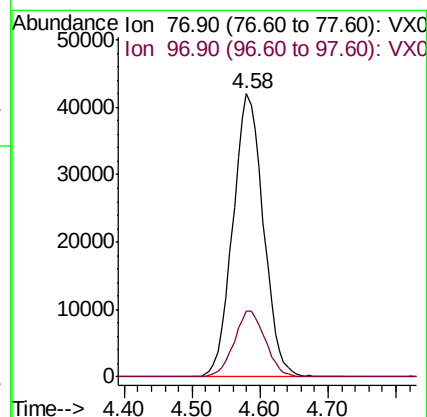
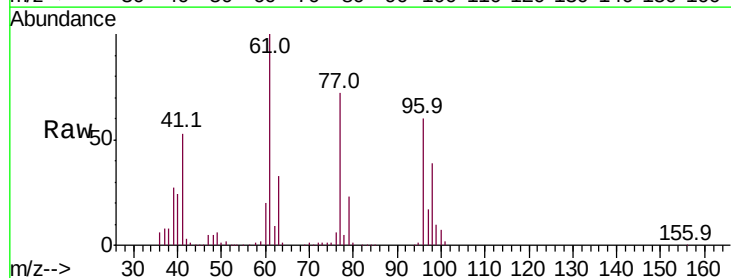
Acq: 23 Mar 2019 23:59

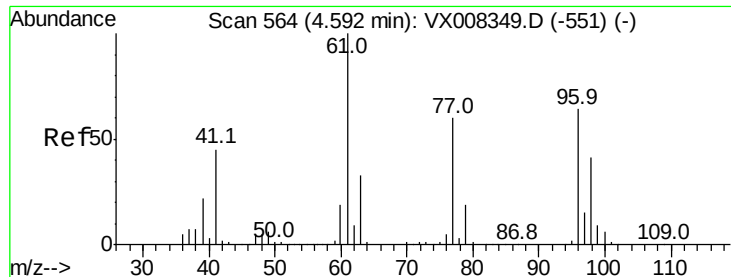
Tgt Ion: 77 Resp: 130771

Ion Ratio Lower Upper

77 100

97 23.8 12.2 36.6





#27

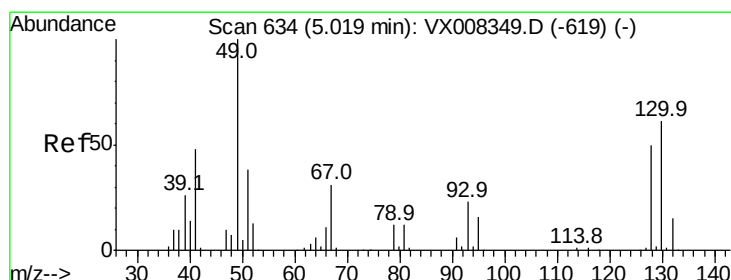
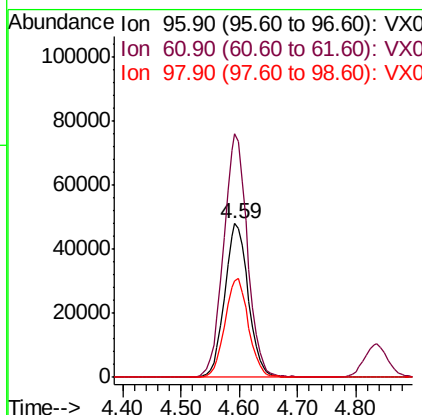
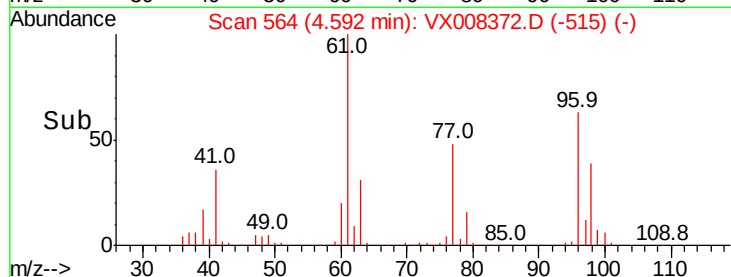
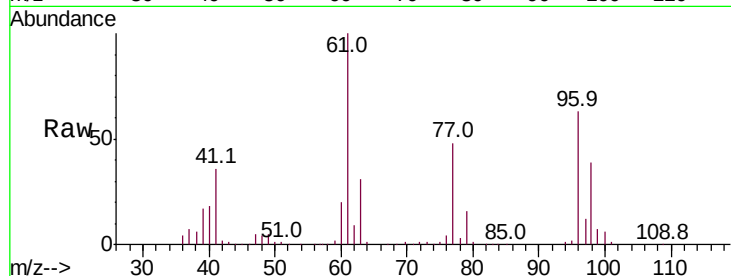
cis-1,2-Dichloroethene
Concen: 48.998 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	288.0
98	64.6	0.0	129.0

Manual Integrations
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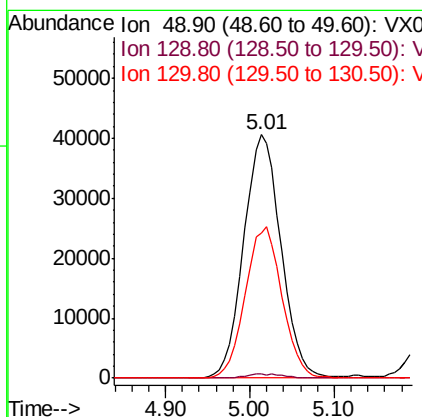
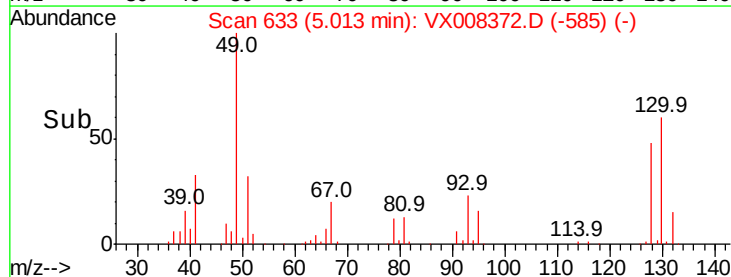
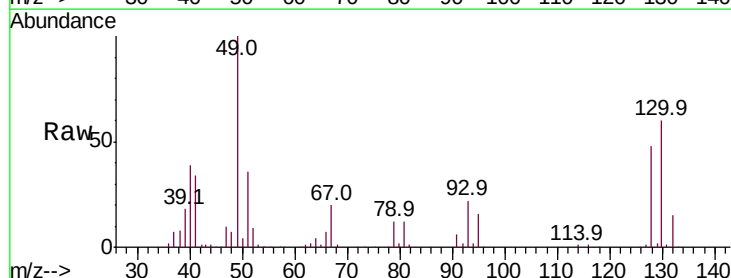
MMDadoda
3/25/2019 11:08:29 AM

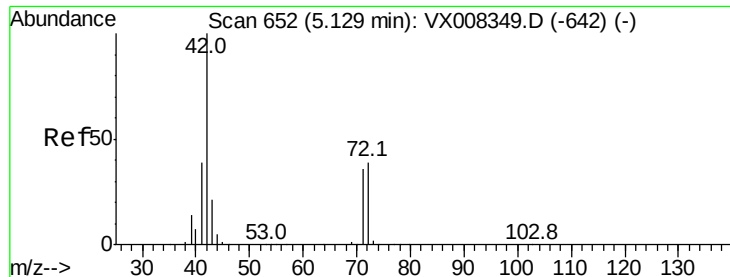


#28

Bromochloromethane
Concen: 50.343 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	61.4	65.0	97.4#





#29

Tetrahydrofuran

Concen: 250.975 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

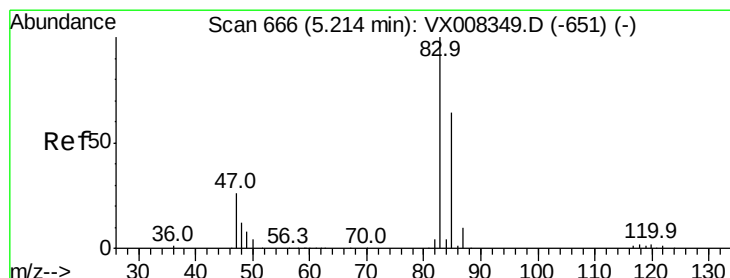
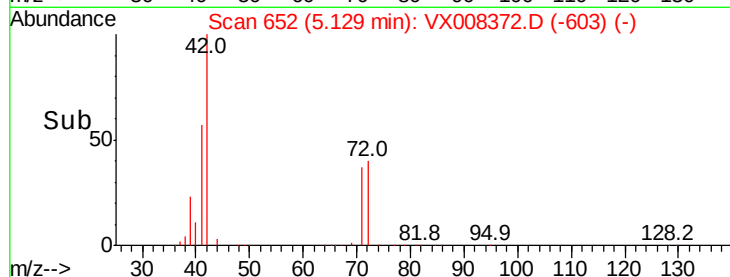
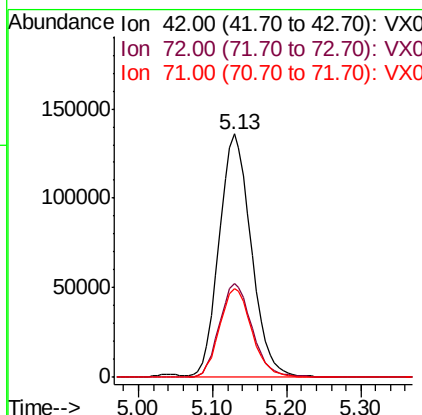
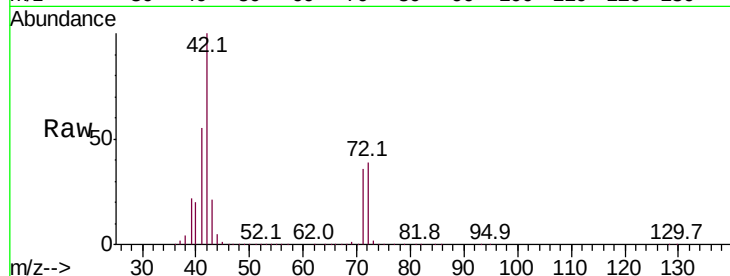
ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:	42	Resp:	406208
Ion Ratio	Lower	Upper	
42	100		
72	39.5	33.8	50.6
71	37.0	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 50.101 ug/l

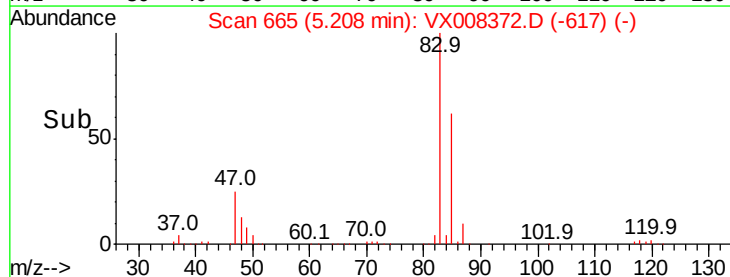
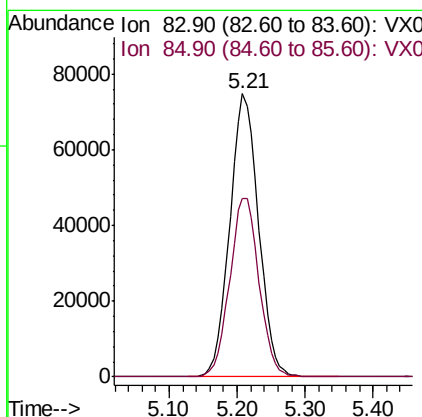
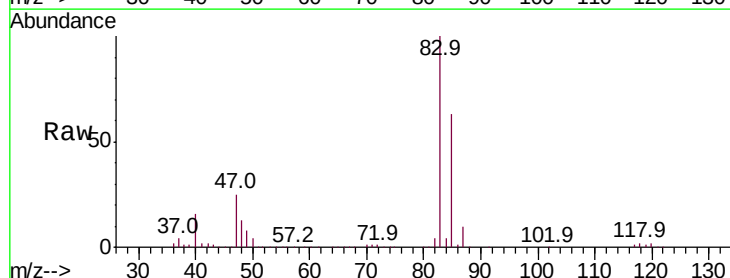
RT: 5.21 min Scan# 665

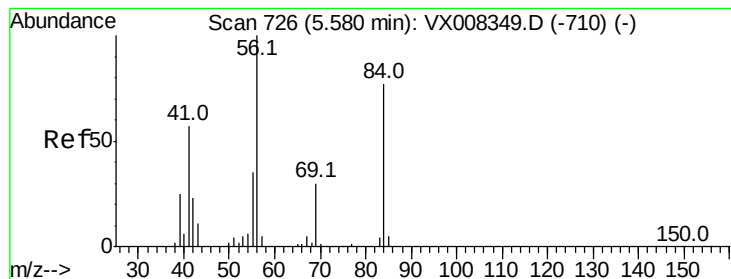
Delta R.T. -0.01 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Tgt Ion:	83	Resp:	219397
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.8	77.6





#31

Cyclohexane

Concen: 49.795 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

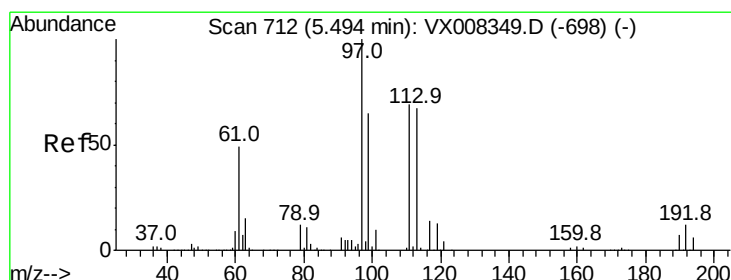
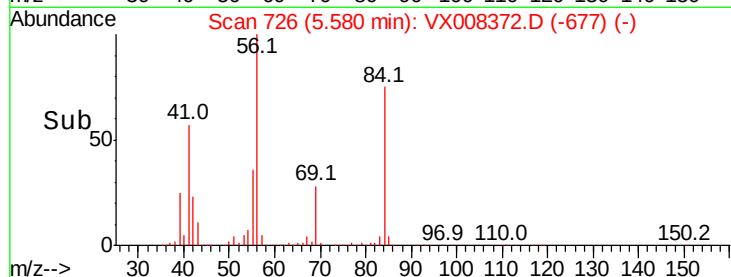
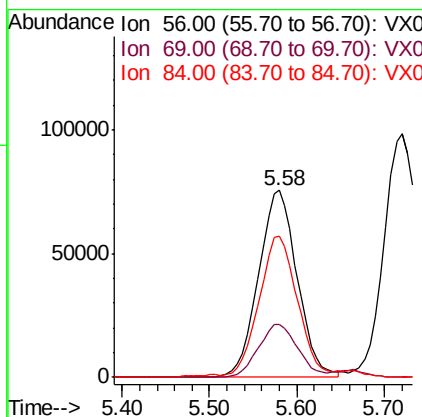
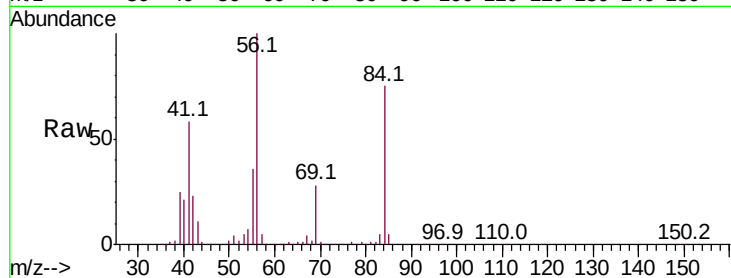
ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:	56	Resp:	231923
Ion Ratio	Lower	Upper	
56	100		
69	28.1	24.0	36.0
84	74.5	65.3	97.9

Manual Integrations
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3/25/2019 11:08:29 AM



#32

1,1,1-Trichloroethane

Concen: 50.870 ug/l

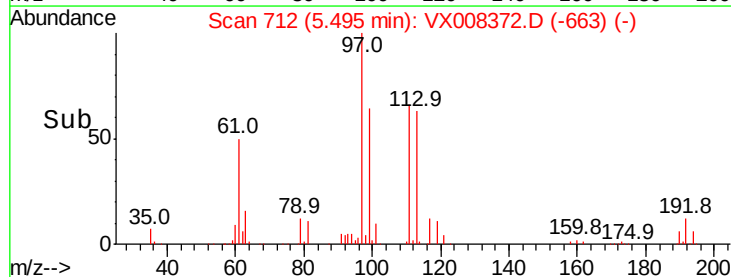
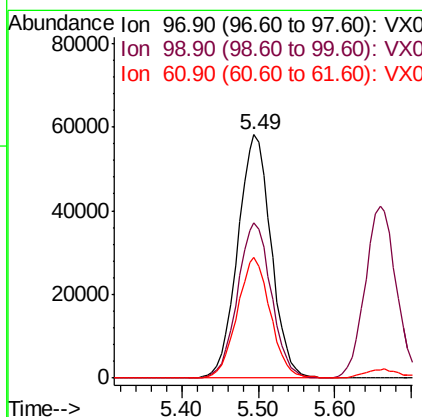
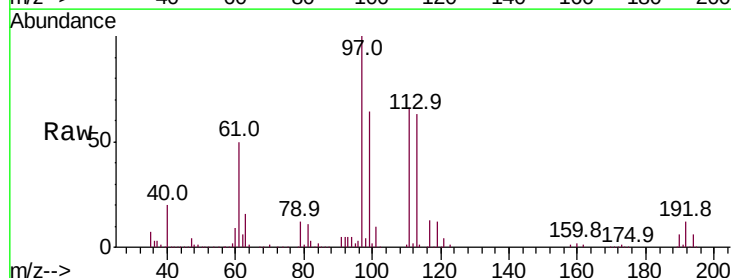
RT: 5.49 min Scan# 712

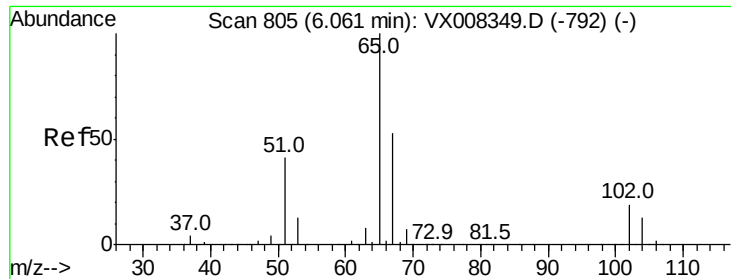
Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Tgt Ion:	97	Resp:	176244
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.2	78.2
61	49.3	34.9	52.3





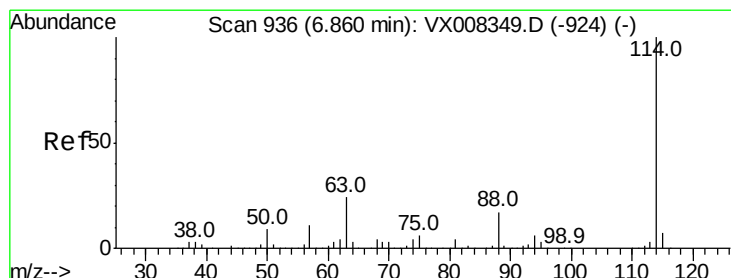
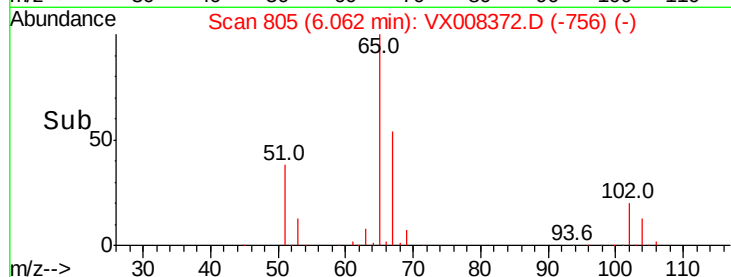
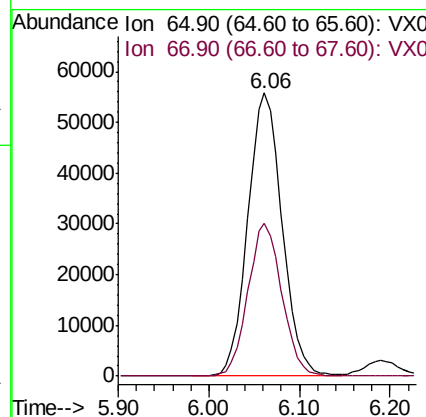
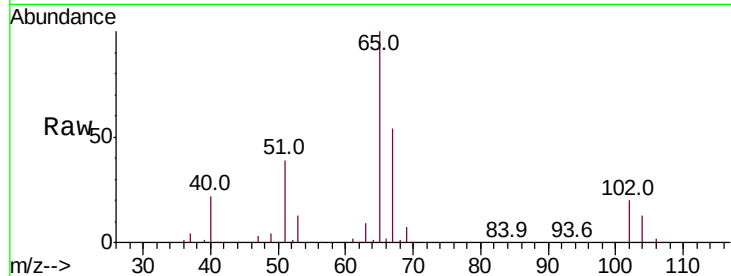
#33
 1,2-Dichloroethane-d4
 Concen: 49.321 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	110.0

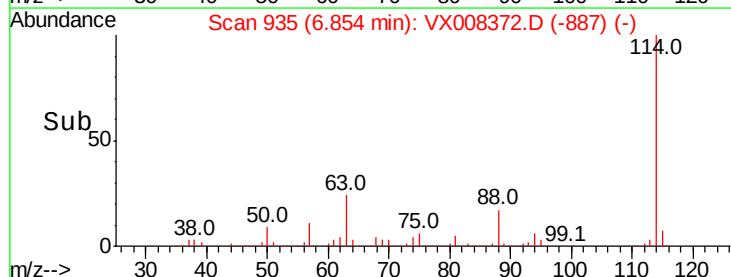
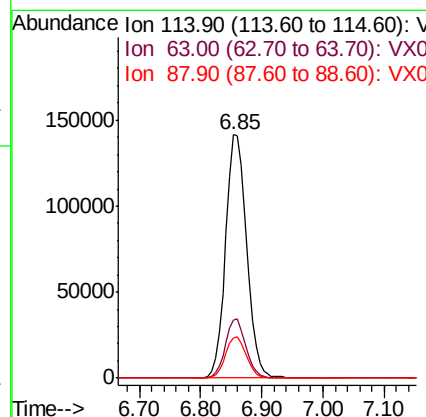
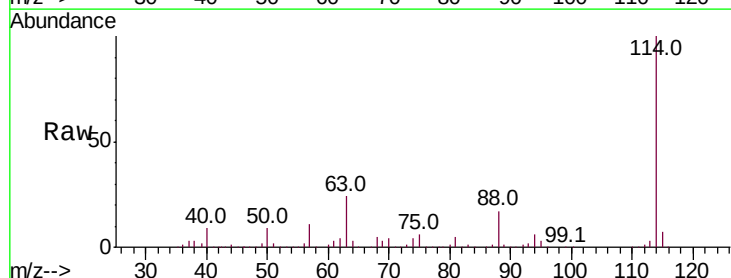
Manual Integrations
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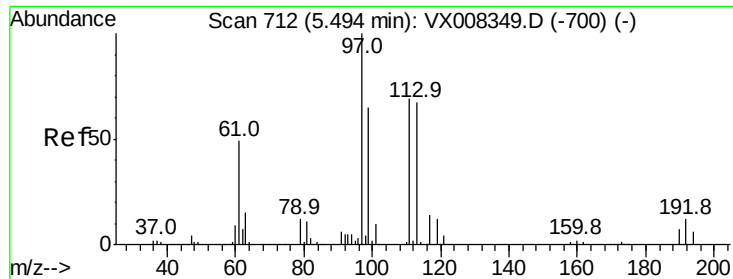
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	39.8
88	16.7	0.0	31.4





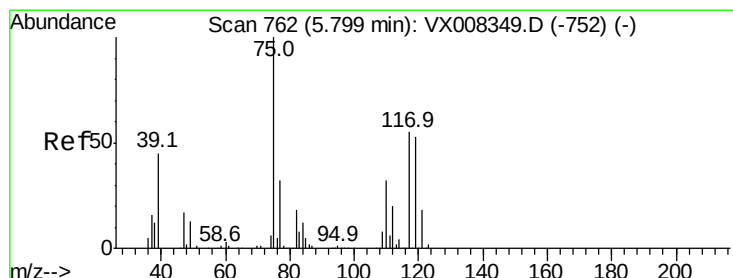
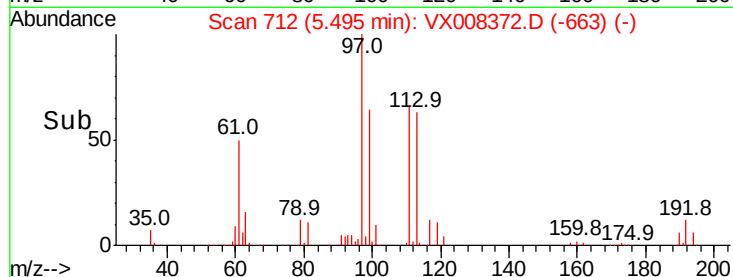
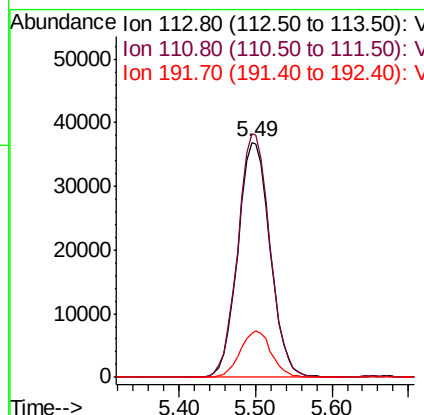
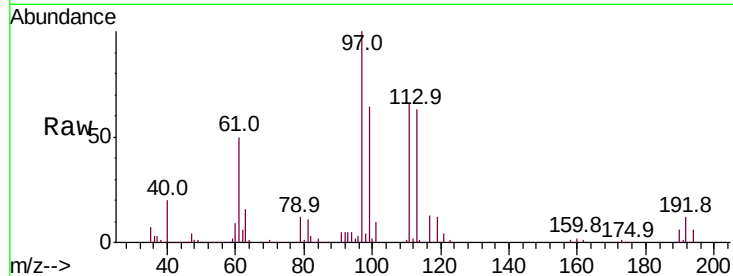
#35
 Dibromofluoromethane
 Concen: 49.253 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108087		
111	103.0	81.4	122.0	
192	19.1	19.4	29.0	

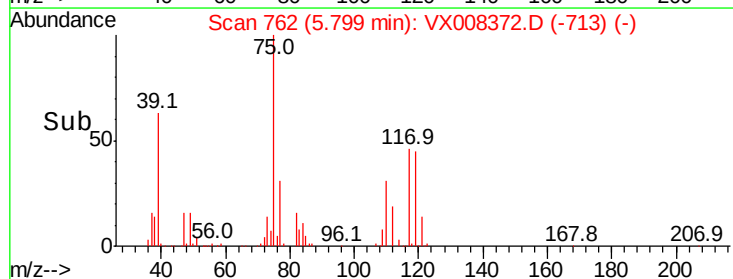
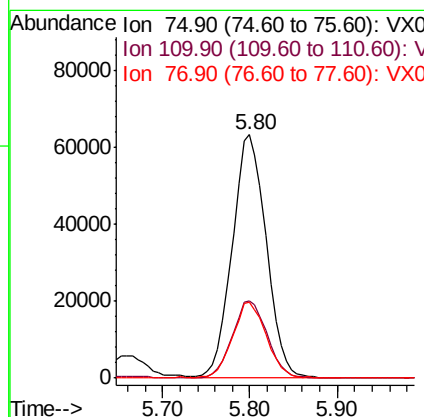
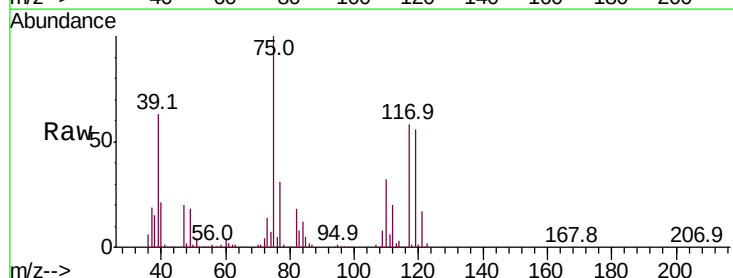
Manual Integrations
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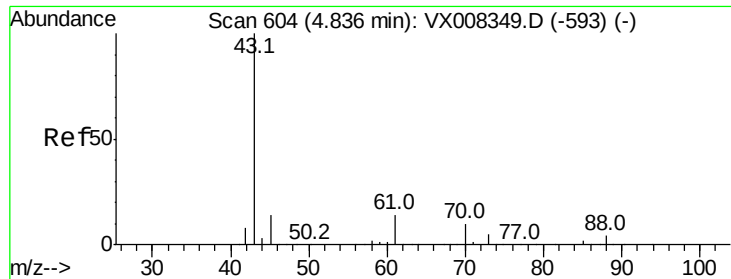
MMDadoda
 3/25/2019 11:08:29 AM



#36
 1,1-Dichloropropene
 Concen: 49.293 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170612		
110	32.6	18.4	55.0	
77	31.3	25.0	37.4	





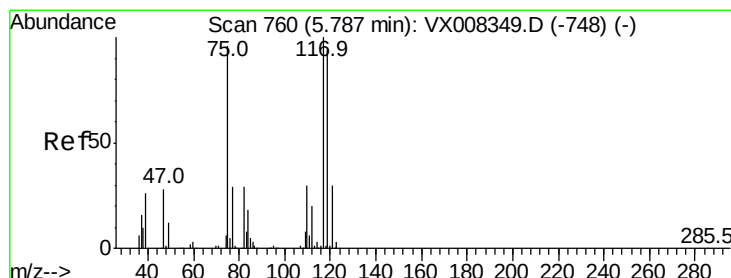
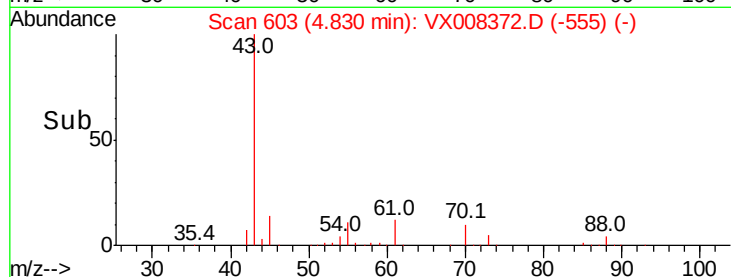
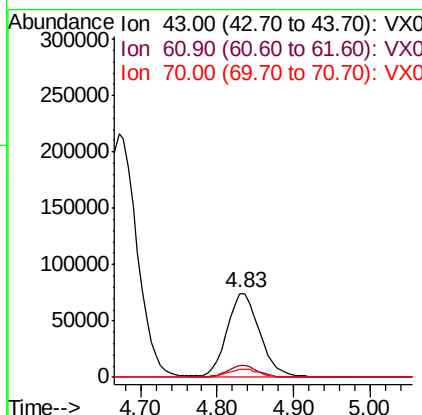
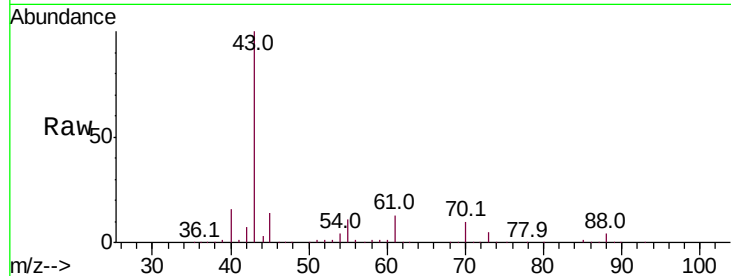
#37
Ethyl Acetate
Concen: 46.912 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion	43	Resp	219751
Ion Ratio	100	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	9.7	8.5	12.7

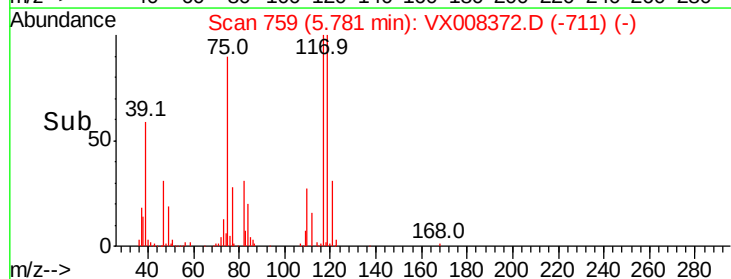
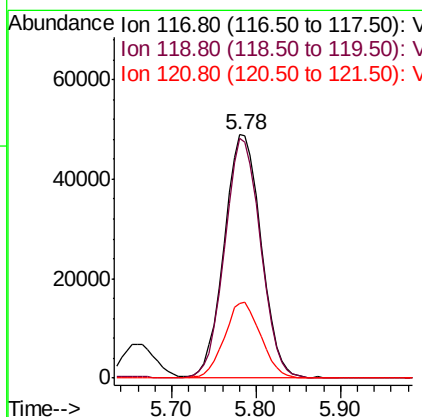
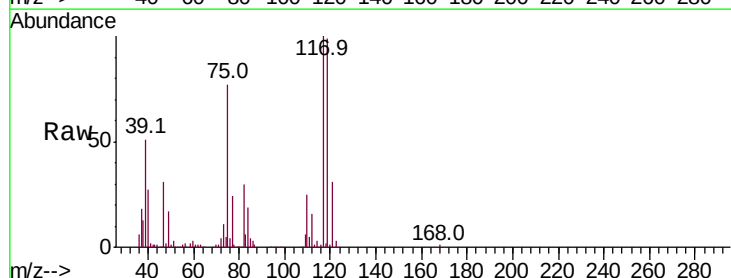
Manual Integrations
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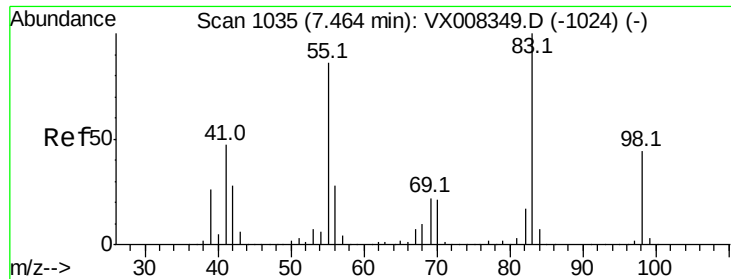
MMDadoda
3/25/2019 11:08:29 AM



#38
Carbon Tetrachloride
Concen: 49.200 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	117	Resp	145973
Ion Ratio	100	Lower	Upper
117	100		
119	98.7	76.2	114.2
121	30.9	24.6	36.8





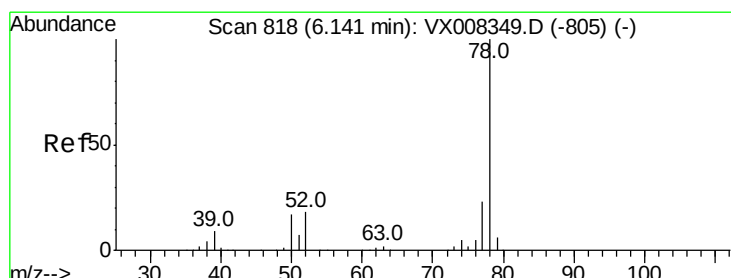
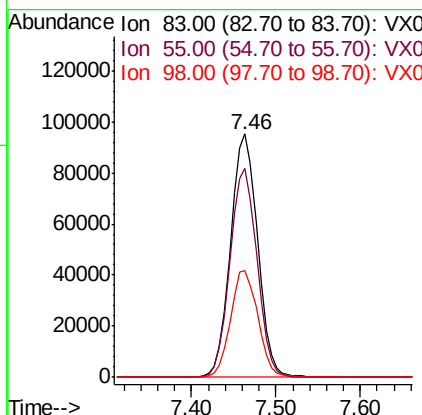
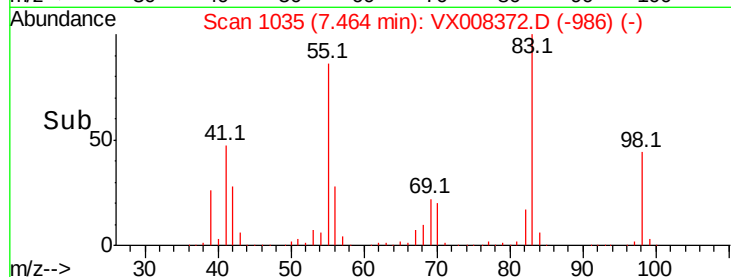
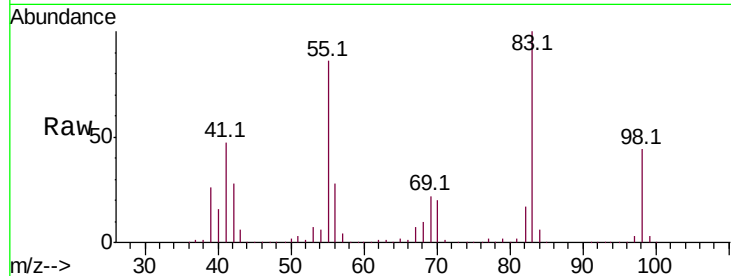
#39
Methylvlcyclohexane
Concen: 48.779 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	60.4	90.6
98	43.8	36.5	54.7

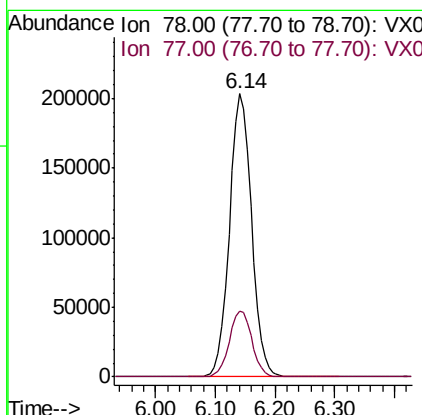
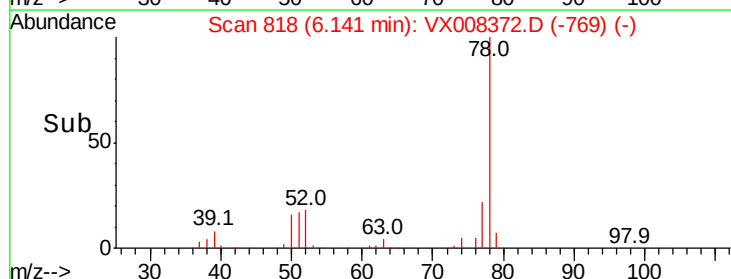
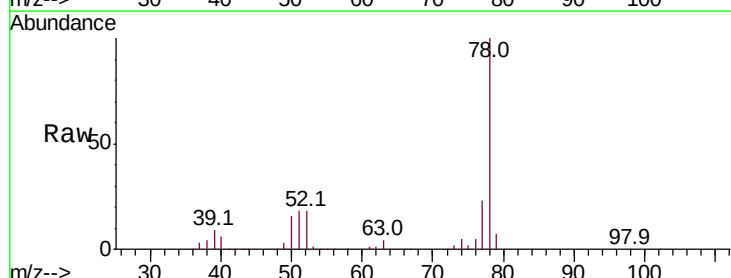
Manual Integrations
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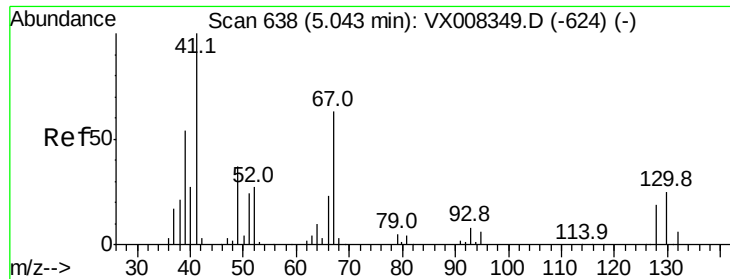
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#40
Benzene
Concen: 49.653 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





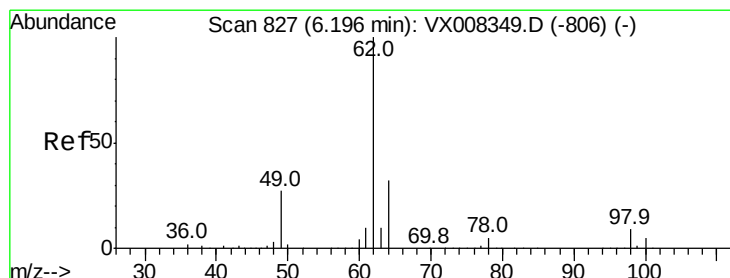
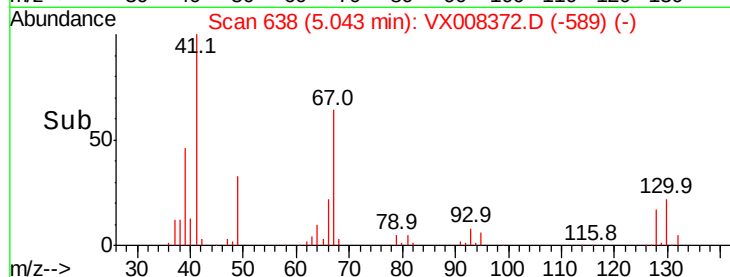
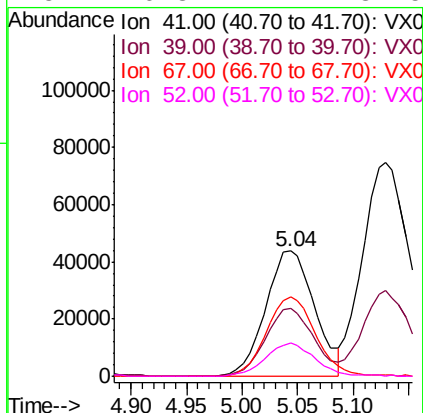
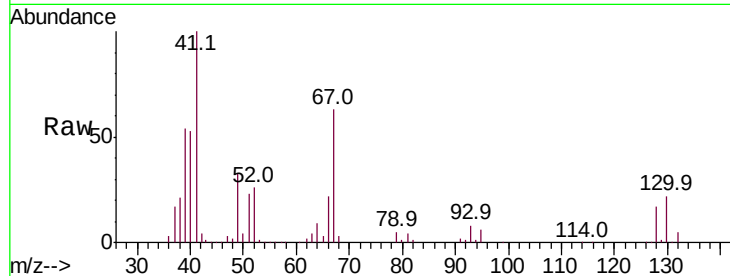
#41
Methacrylonitrile
Concen: 52.293 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		133518		
39	53.4	41.6	62.4		
67	64.0	55.8	83.6		
52	26.3	21.7	32.5		

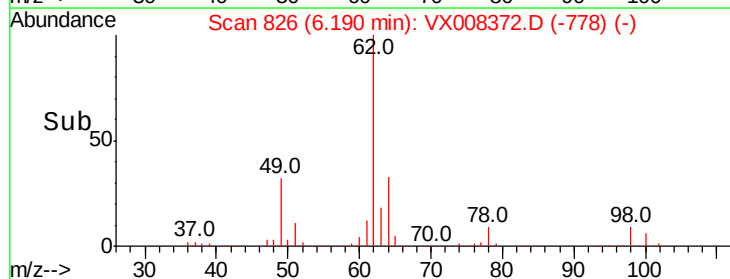
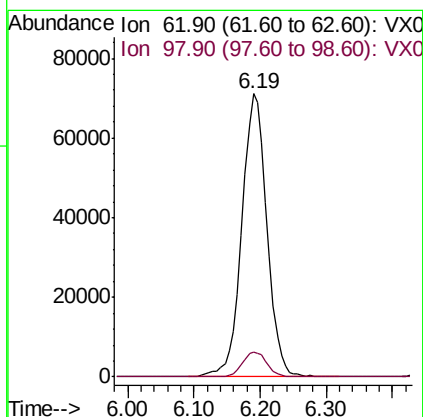
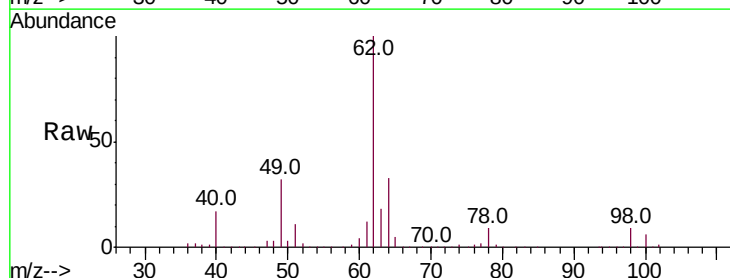
Manual Integrations
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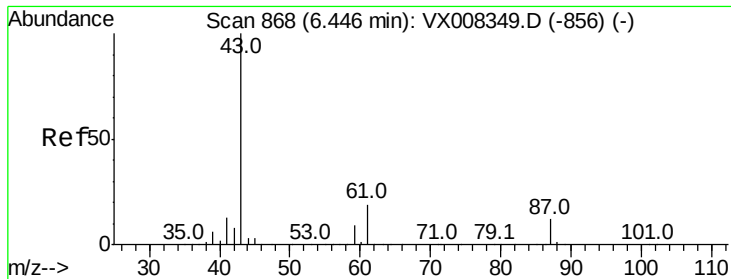
MMDadoda
3/25/2019 11:08:29 AM



#42
1,2-Dichloroethane
Concen: 49.056 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		187651		
98	8.7	0.0	20.4		





#43

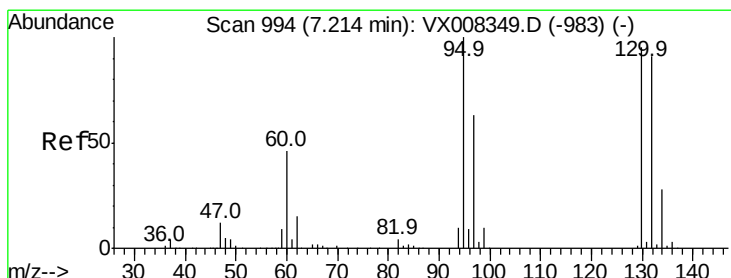
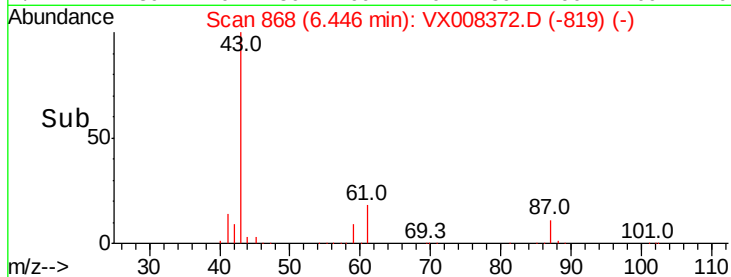
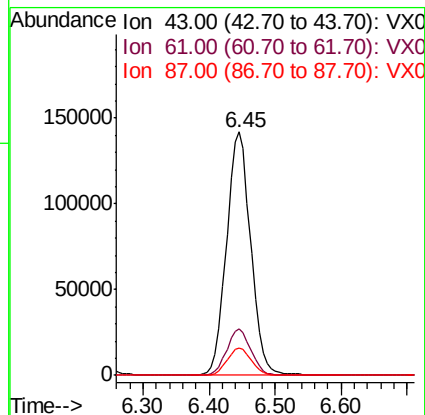
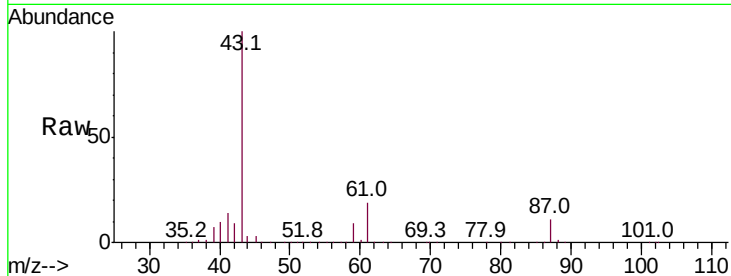
Isopropyl Acetate
 Concen: 49.014 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	16.3	24.5
87	11.4	10.5	15.7

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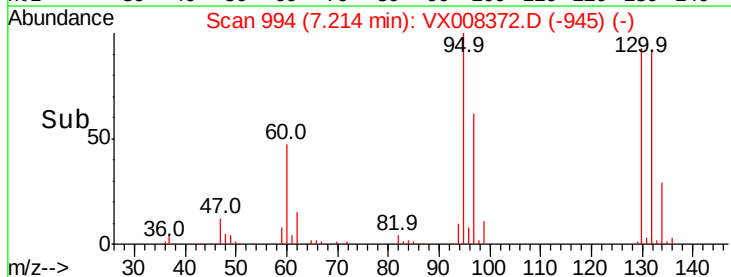
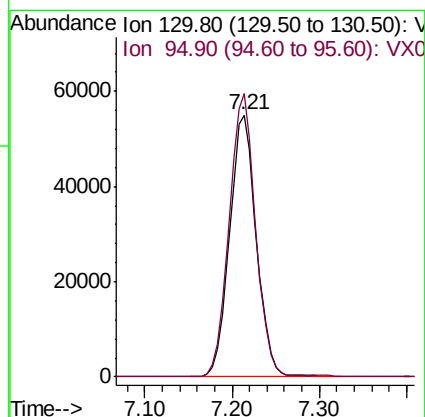
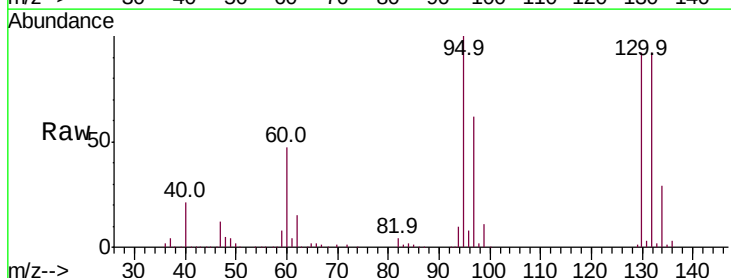
MMDadoda
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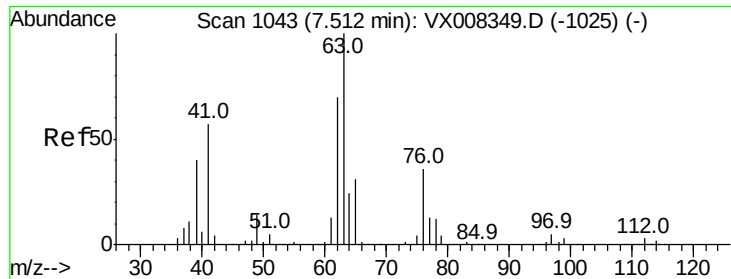


#44

Trichloroethene
 Concen: 47.765 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	188.0





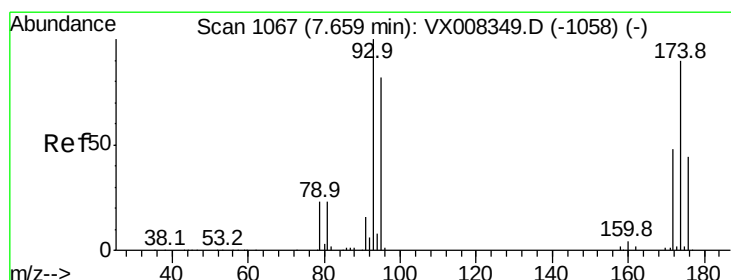
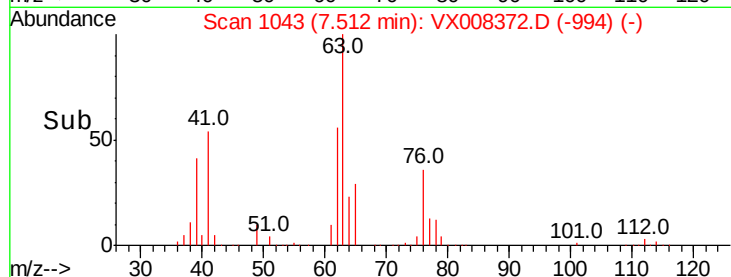
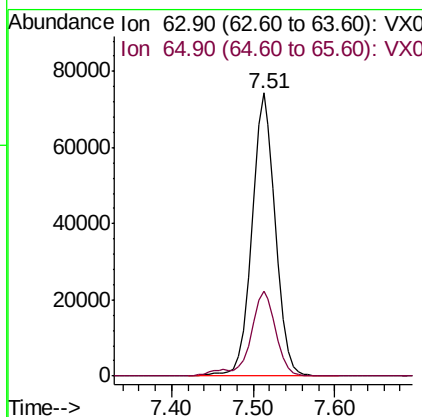
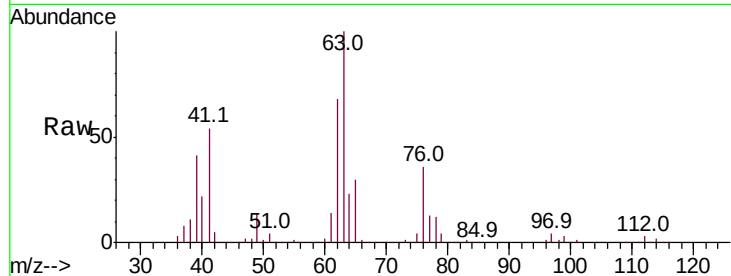
#45
 1,2-Dichloropropane
 Concen: 49.833 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion: 63 Resp: 148705
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.7 37.1

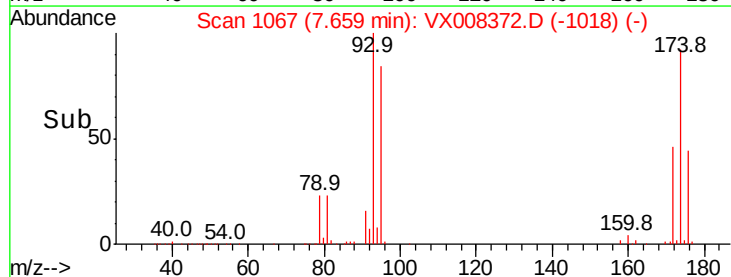
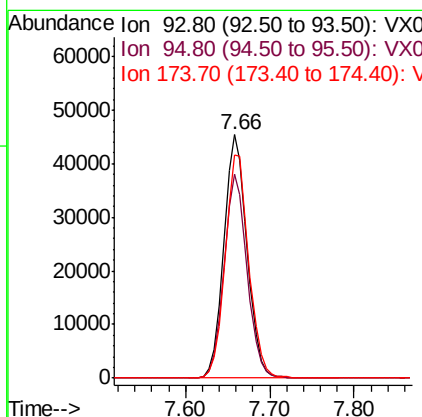
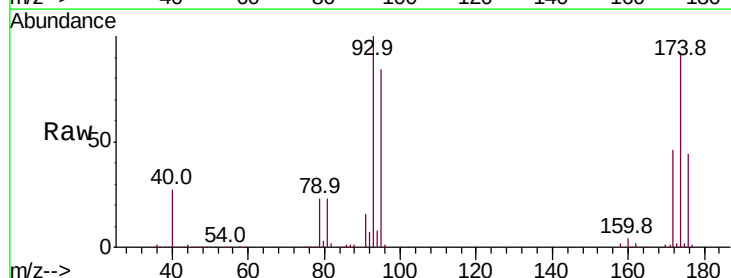
Manual Integrations
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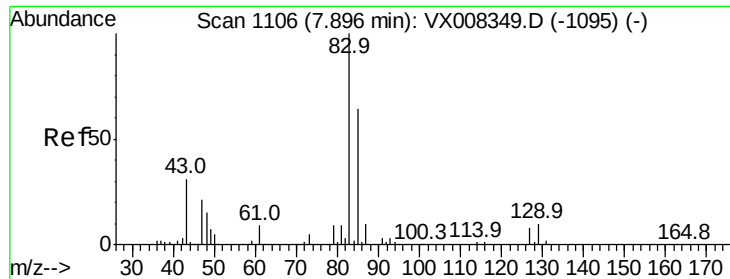
MMDadoda
 3/25/2019 11:08:29 AM



#46
 Dibromomethane
 Concen: 48.388 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion: 93 Resp: 85690
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.8 100.2
 174 93.2 97.3 145.9#





#47

Bromodichloromethane

Concen: 50.155 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

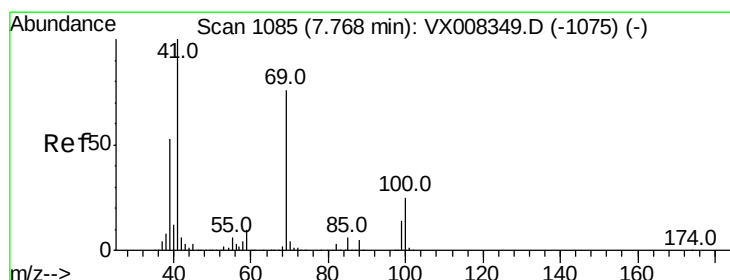
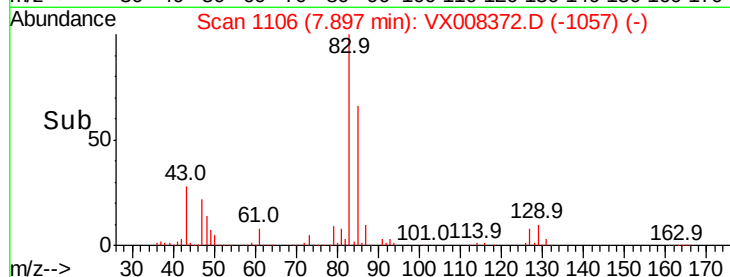
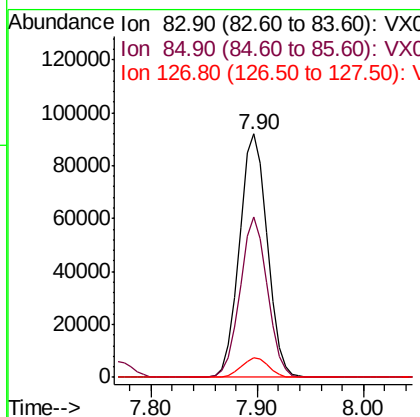
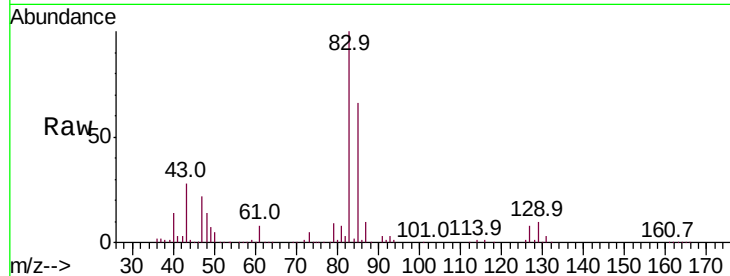
ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:	83	Resp:	169417
Ion Ratio	Lower	Upper	
83	100		
85	65.8	50.9	76.3
127	8.0	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.446 ug/l

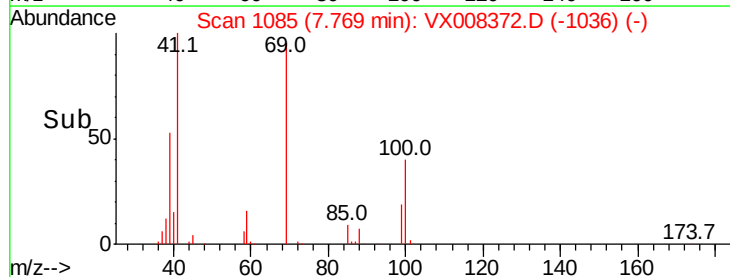
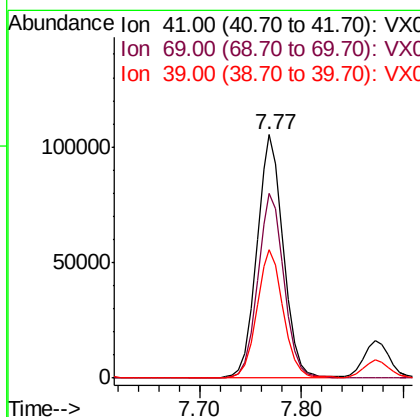
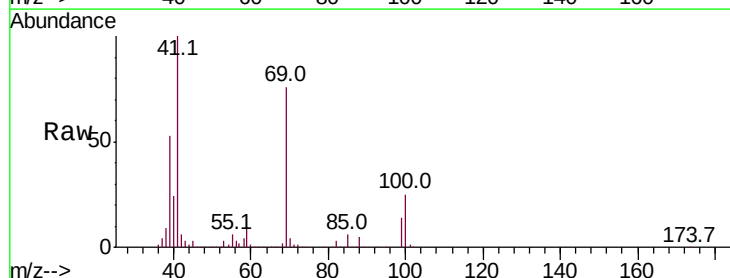
RT: 7.77 min Scan# 1085

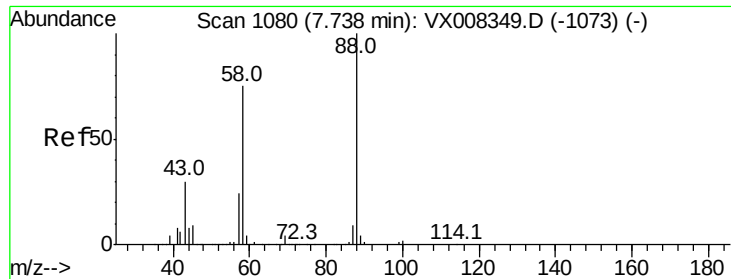
Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Tgt Ion:	41	Resp:	189359
Ion Ratio	Lower	Upper	
41	100		
69	75.5	65.2	97.8
39	52.4	39.4	59.2





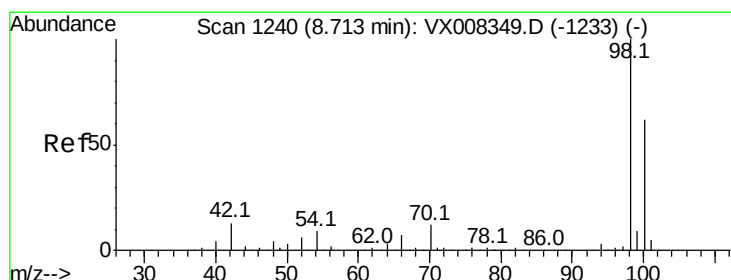
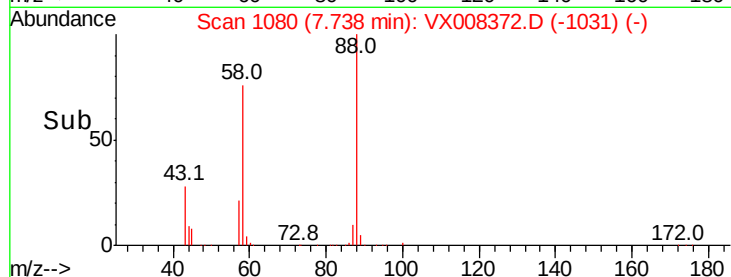
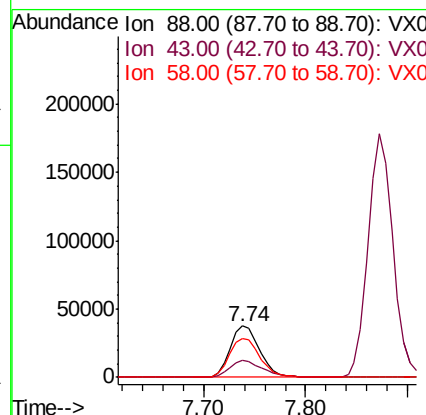
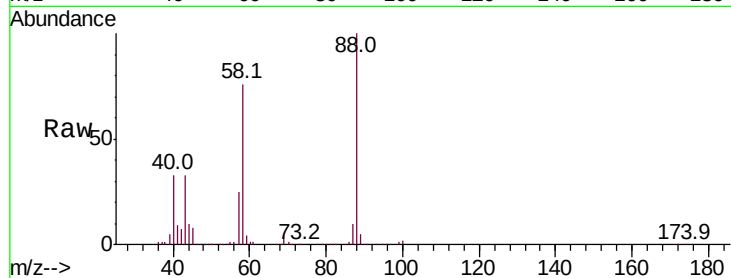
#49
1,4-Dioxane
Concen: 1018.828 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	25.1	37.7
58	79.0	57.8	86.6

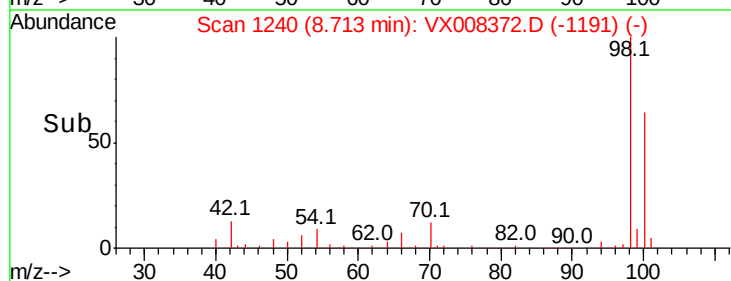
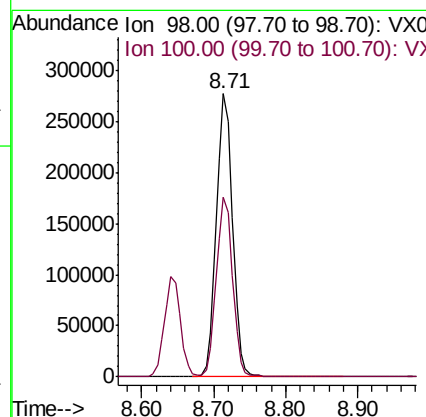
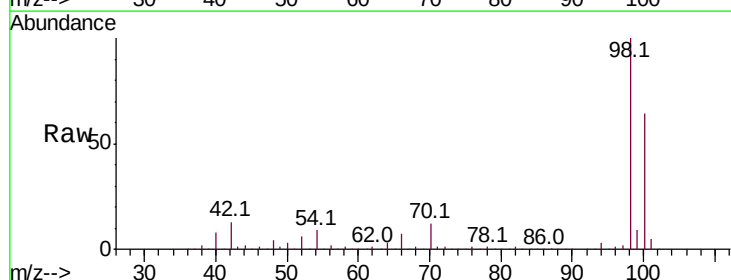
Manual Integrations
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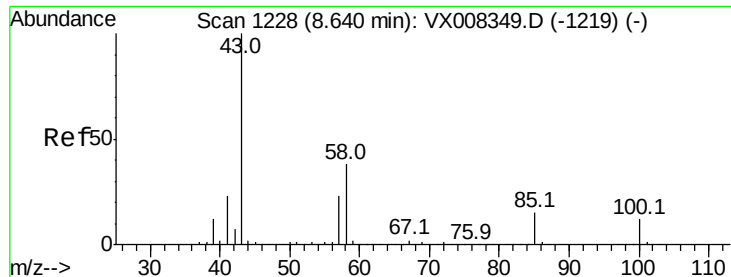
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#50
Toluene-d8
Concen: 49.752 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 260.038 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion: 43 Resp: 1244517

Ion Ratio Lower Upper

43 100

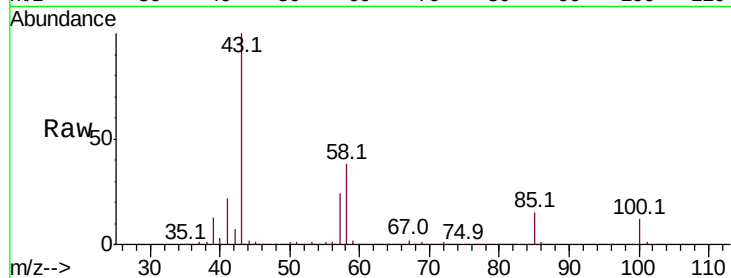
58 37.3 31.3 46.9

Manual Integrations

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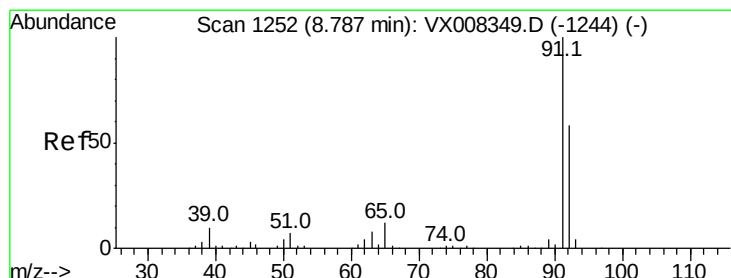
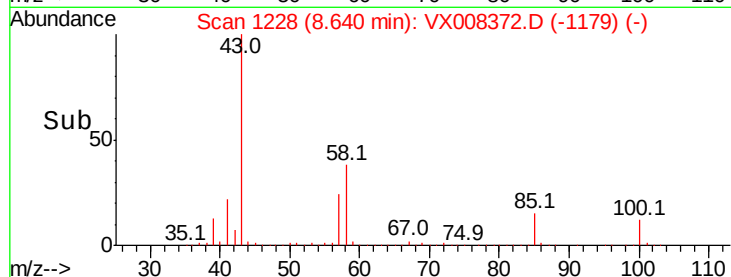
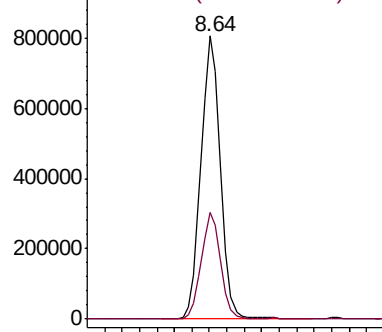
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.460 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008372.D

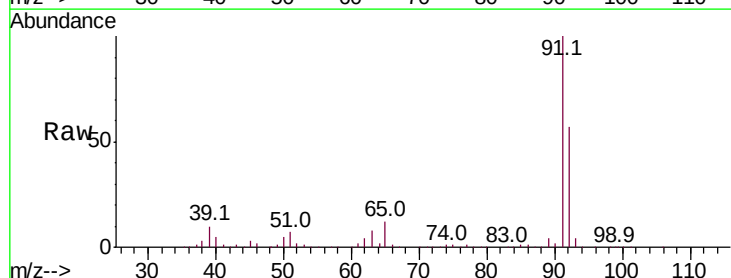
Acq: 23 Mar 2019 23:59

Tgt Ion: 92 Resp: 311884

Ion Ratio Lower Upper

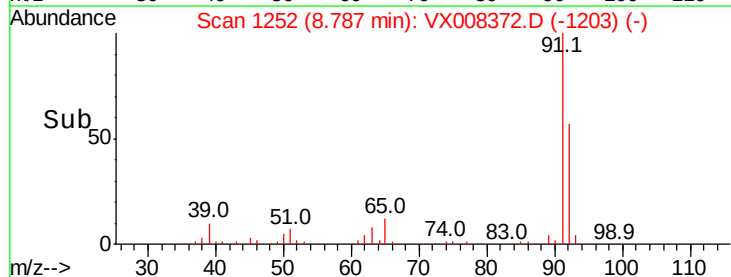
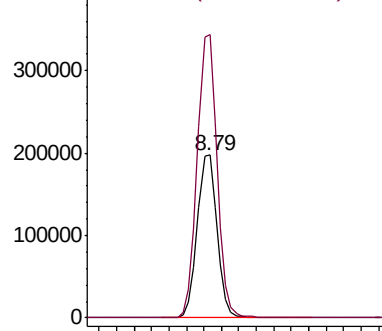
92 100

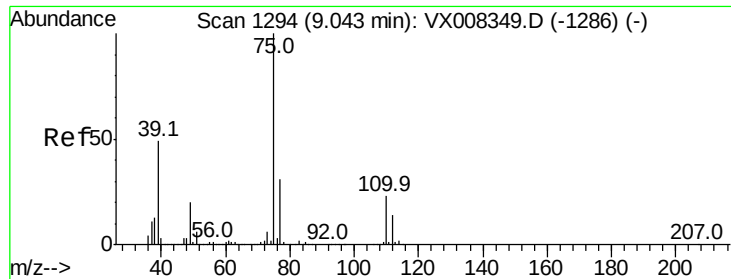
91 174.2 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 51.043 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

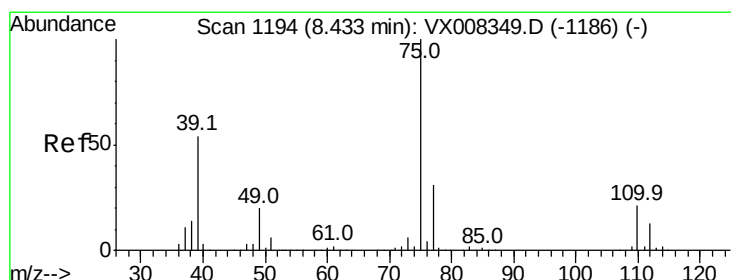
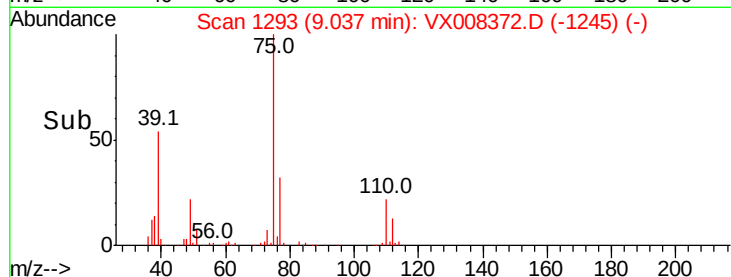
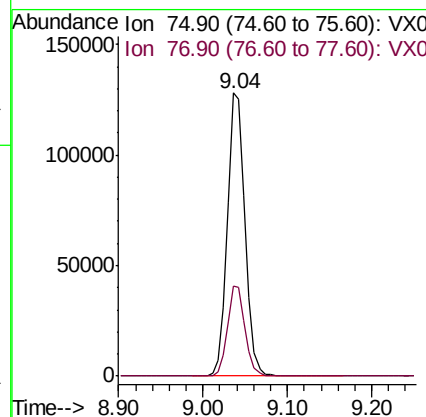
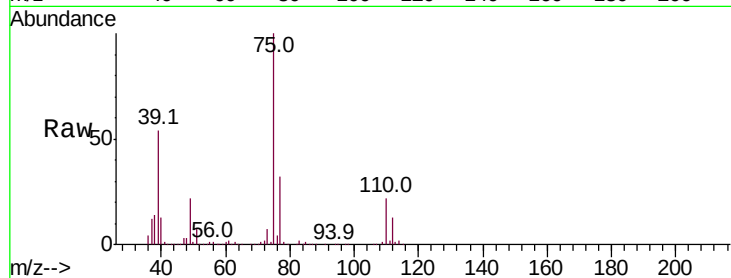
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-SW4002-20190314MSD

Tot Ion: 75 Resp: 185374

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 49.812 ug/l

RT: 8.43 min Scan# 1194

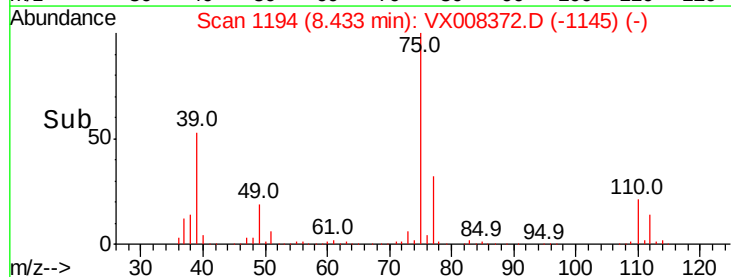
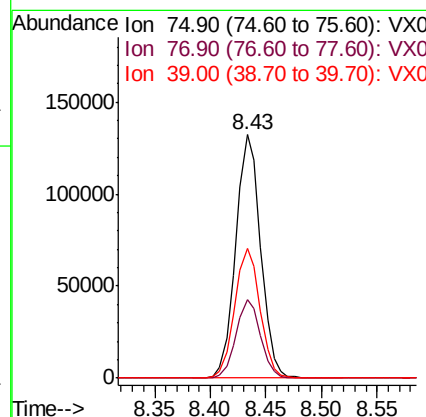
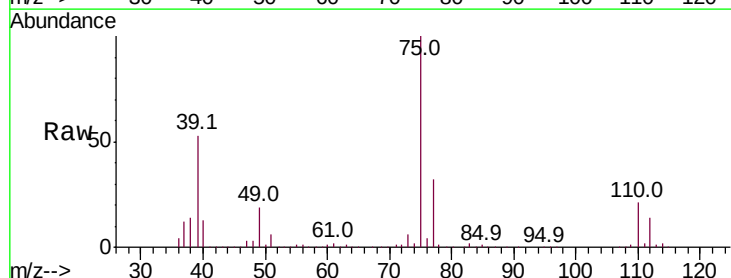
Delta R.T. 0.00 min

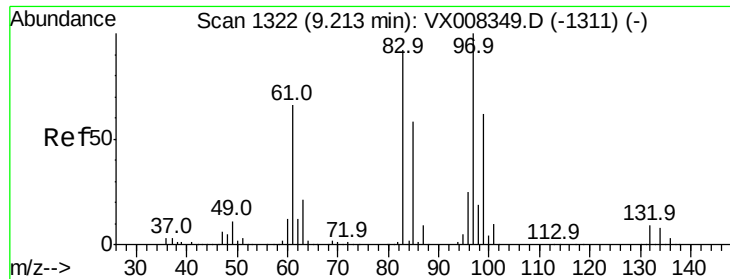
Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Tgt Ion: 75 Resp: 205106

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.6
39	53.3	36.6	54.8





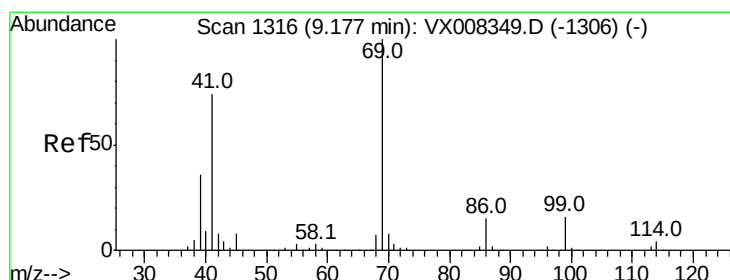
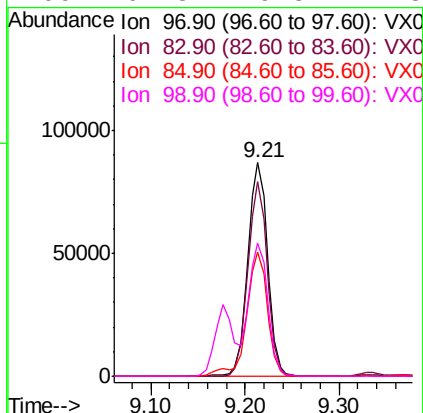
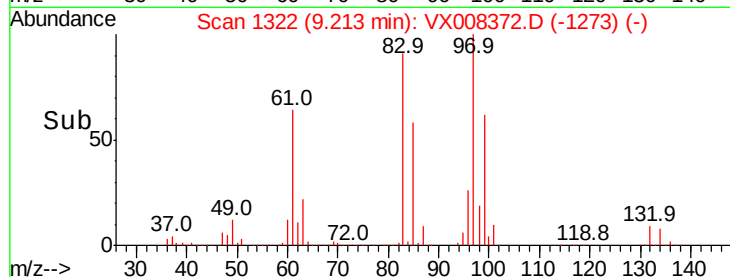
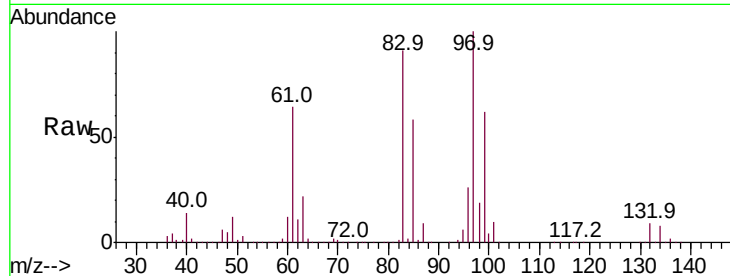
#55
 1,1,2-Trichloroethane
 Concen: 50.076 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Resp	Lower	Upper
97	100	128563		
83	91.2	69.1	103.7	
85	58.3	44.3	66.5	
99	62.3	49.8	74.8	

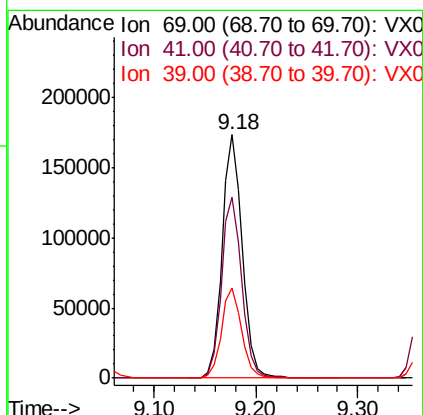
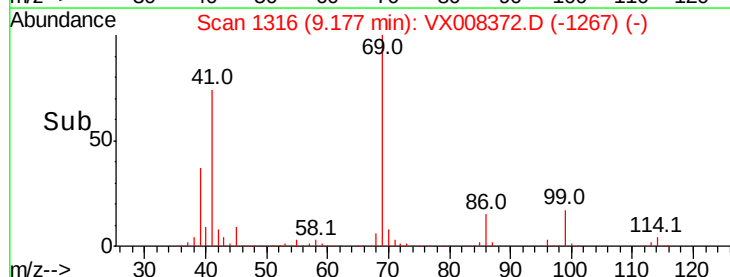
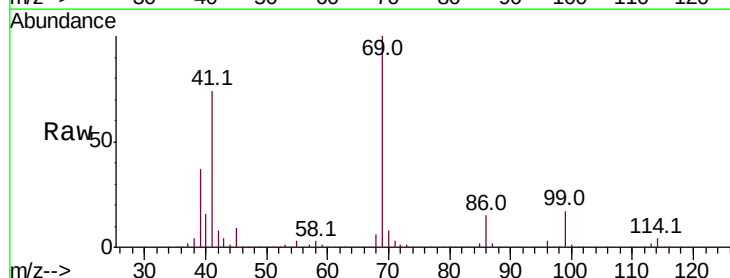
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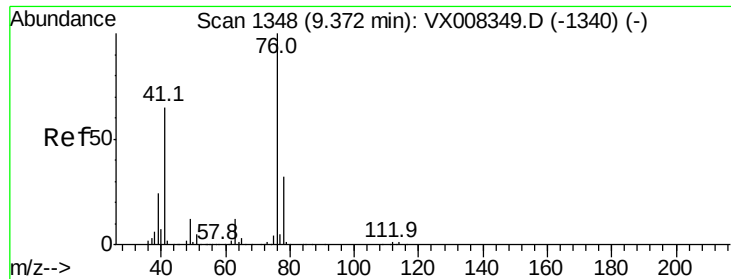
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#56
 Ethyl methacrylate
 Concen: 52.259 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	237525		
41	74.8	54.2	81.4	
39	37.0	25.0	37.4	





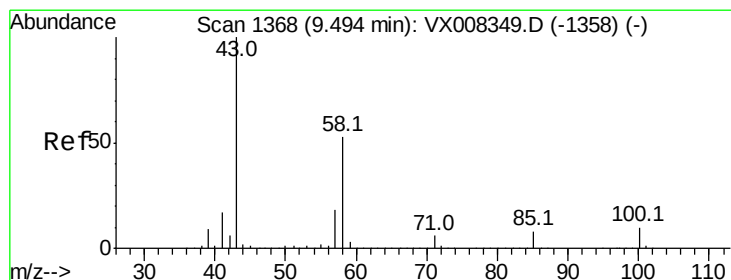
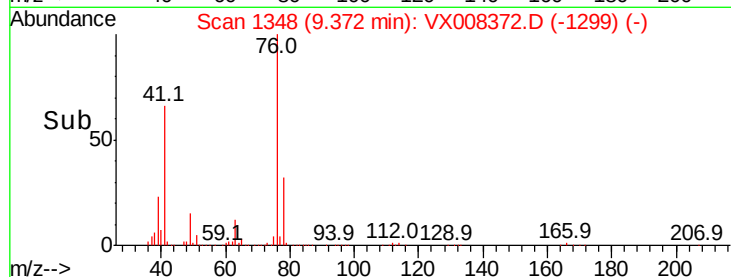
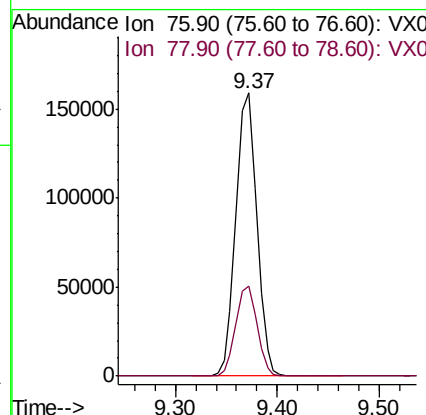
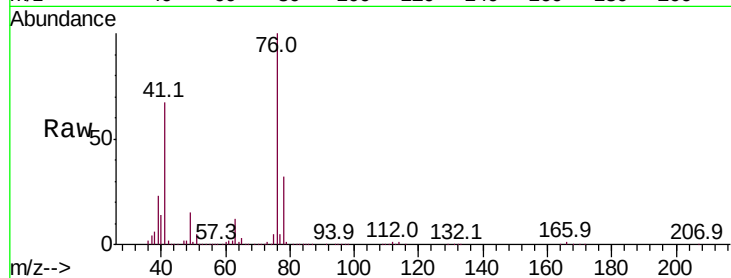
#57
 1,3-Dichloropropane
 Concen: 49.598 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

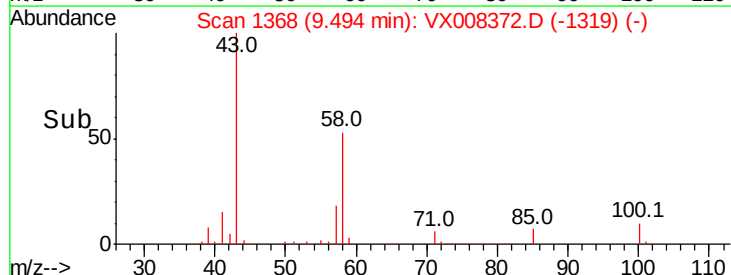
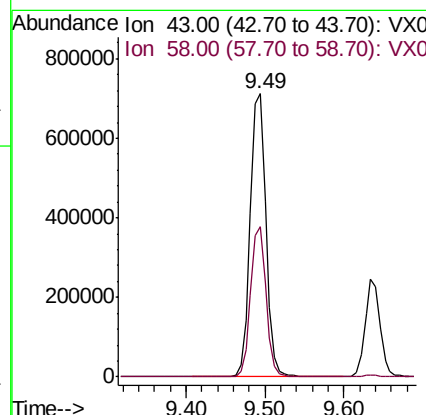
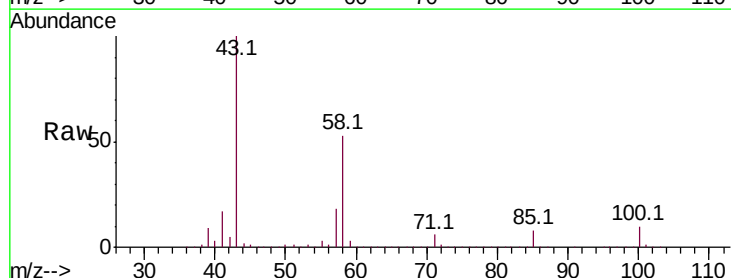
Manual Integrations
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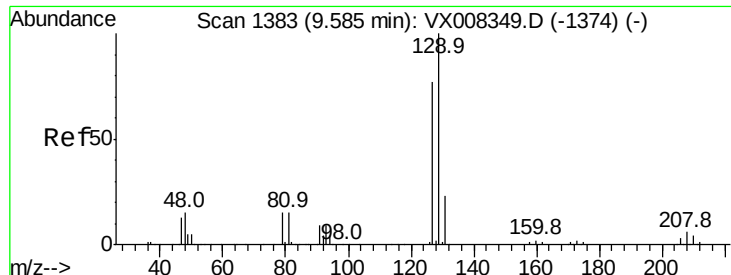
MMDadoda
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#59
 2-Hexanone
 Concen: 268.157 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.3	27.6	82.7





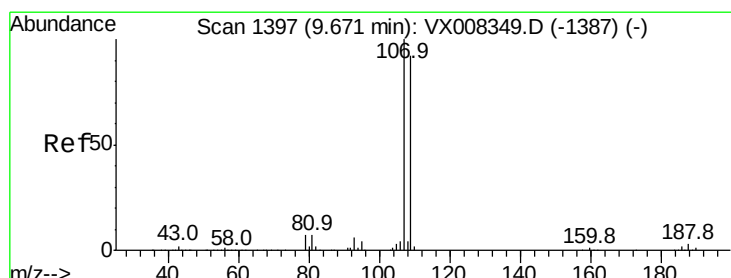
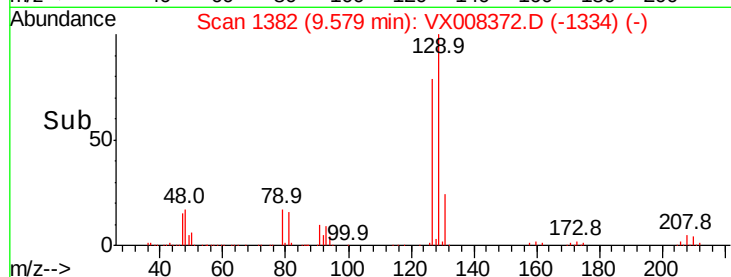
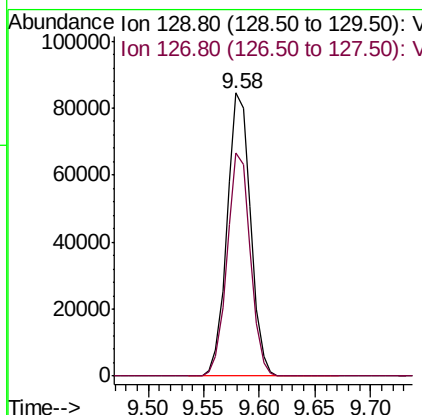
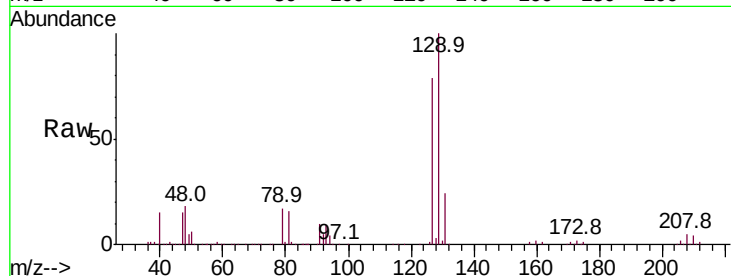
#60
Dibromochloromethane
Concen: 51.608 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion:129 Resp: 122984
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8

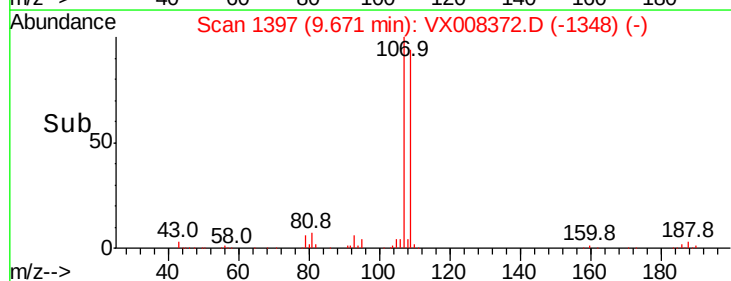
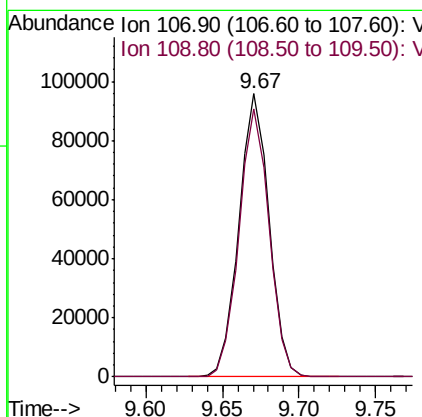
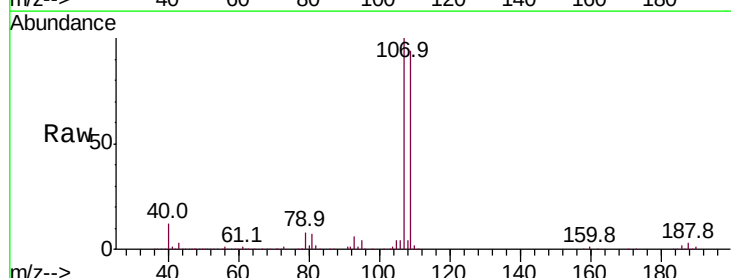
Manual Integrations
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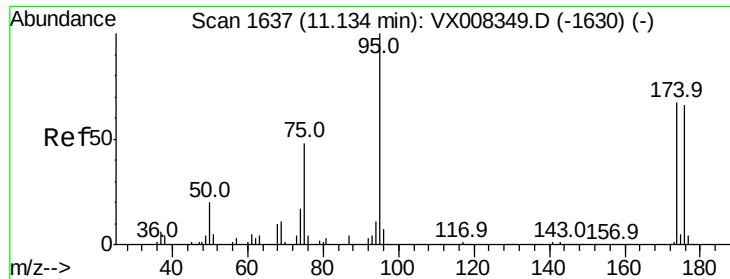
MMDadoda
3/25/2019 11:08:29 AM



#61
1,2-Dibromoethane
Concen: 50.415 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion:107 Resp: 131361
Ion Ratio Lower Upper
107 100
109 94.4 75.8 113.8





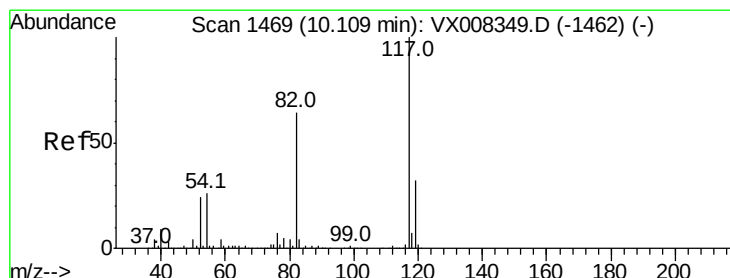
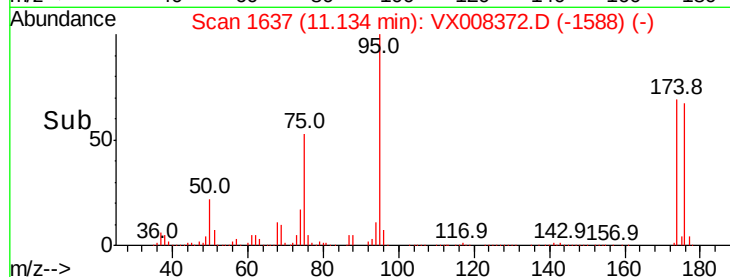
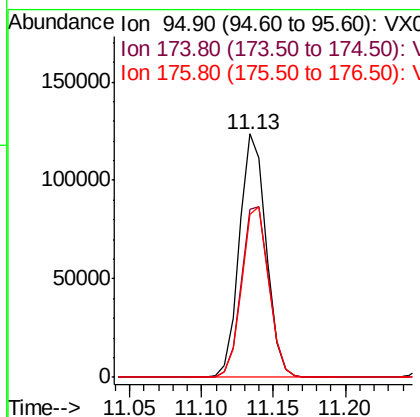
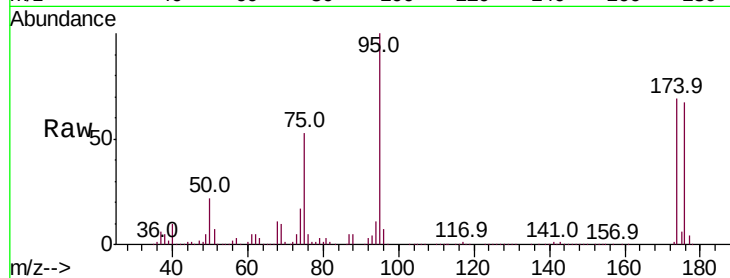
#62
4-Bromofluorobenzene
Concen: 49.923 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	159103		
174	72.6	0.0	182.8	
176	70.9	0.0	178.0	

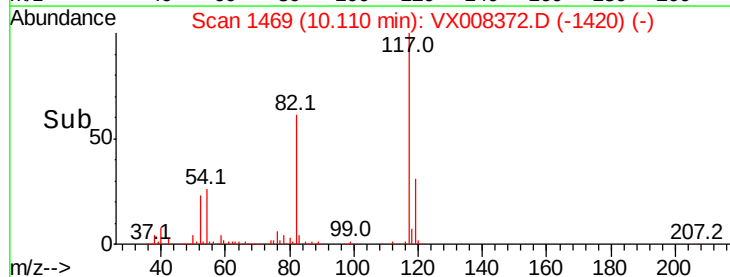
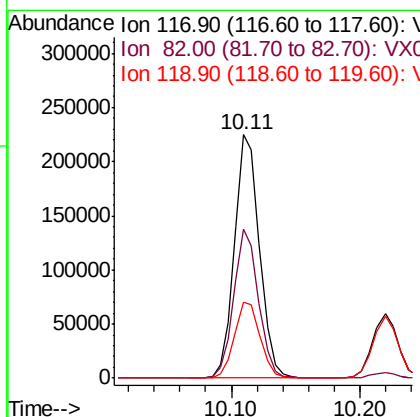
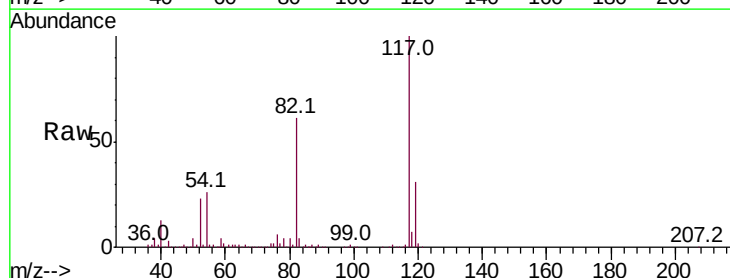
Manual Integrations
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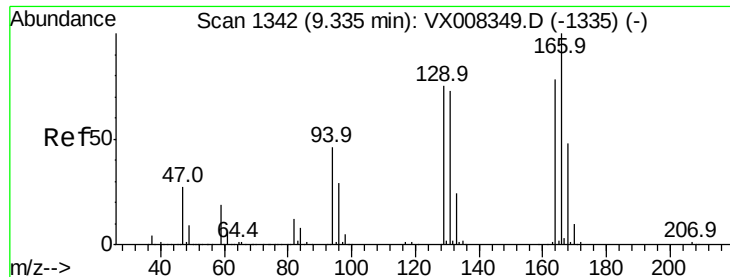
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3/25/2019 11:08:29 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	304934		
82	61.3	44.3	66.5	
119	31.3	25.3	37.9	





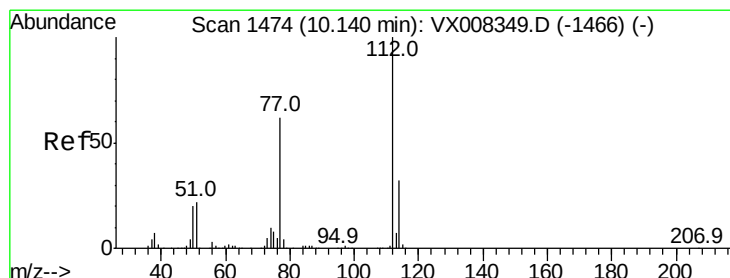
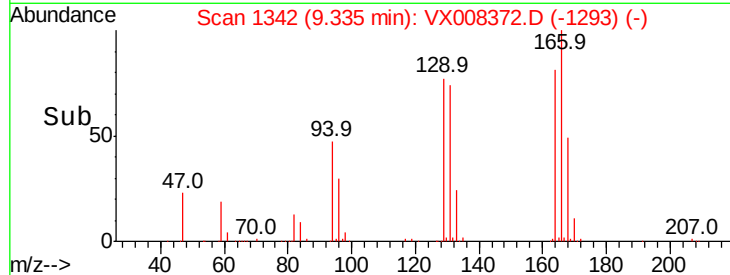
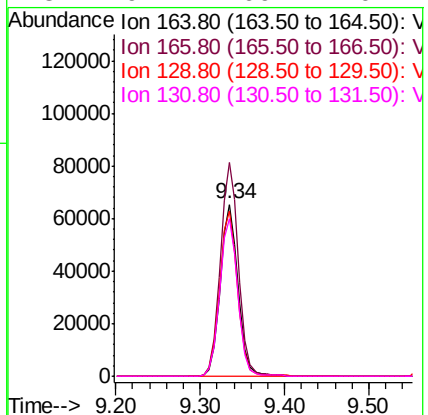
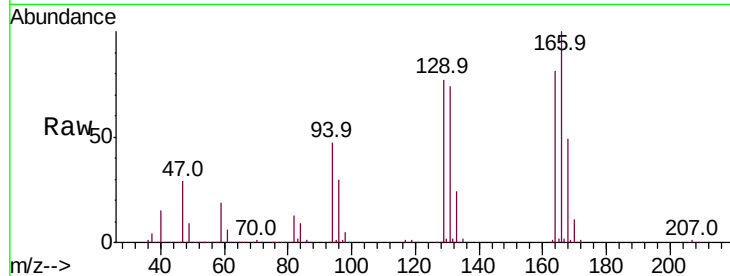
#64
 Tetrachloroethene
 Concen: 47.659 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion:	164	Resp:	95037
Ion Ratio	Lower	Upper	
164	100		
166	124.1	103.4	155.0
129	95.7	72.2	108.4
131	91.4	69.4	104.2

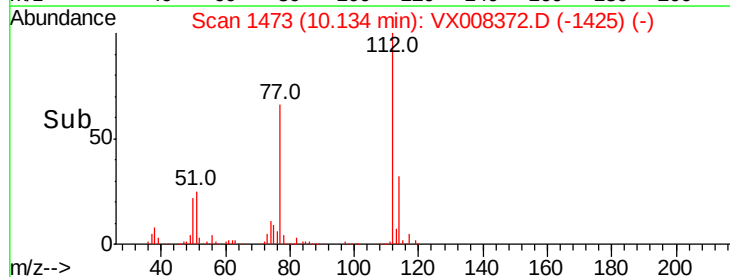
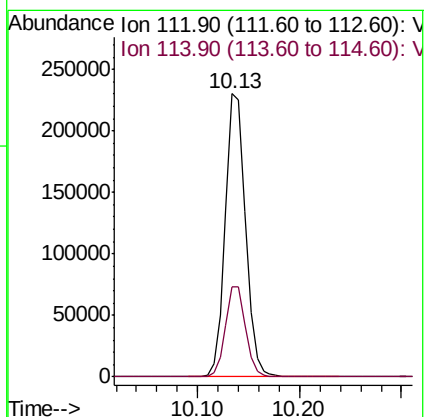
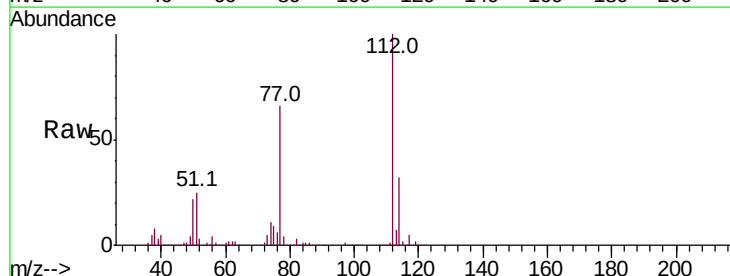
Manual Integrations
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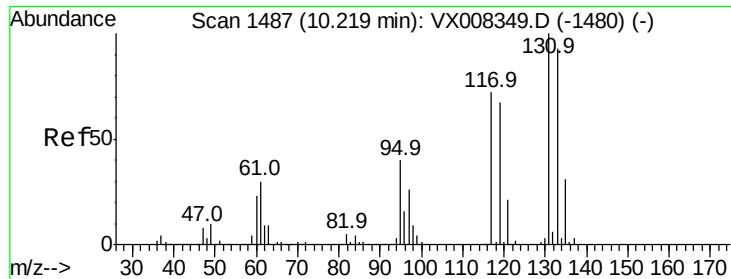
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#65
 Chlorobenzene
 Concen: 49.576 ug/l
 RT: 10.13 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion:	112	Resp:	317044
Ion Ratio	Lower	Upper	
112	100		
114	31.7	26.0	39.0





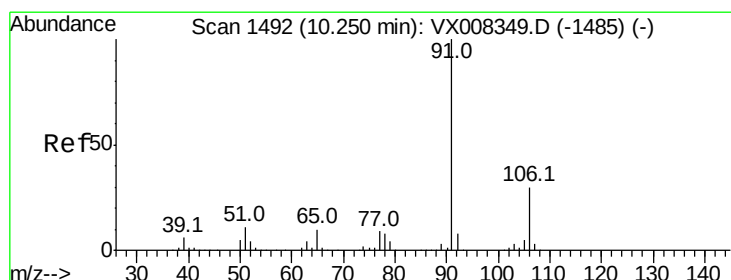
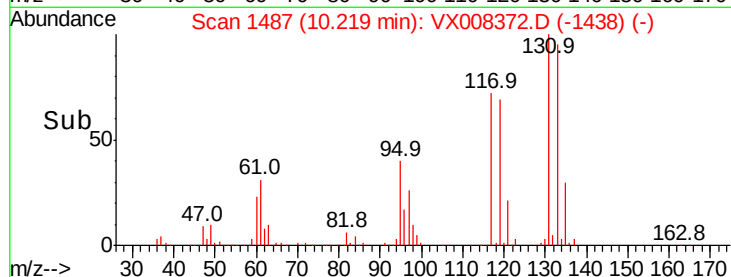
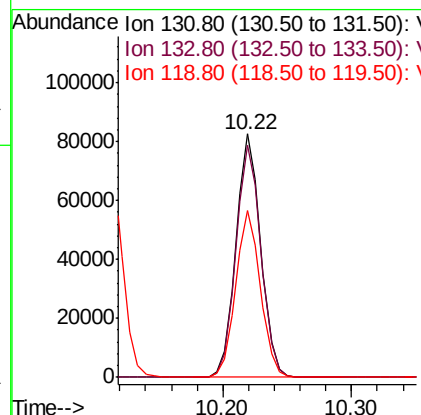
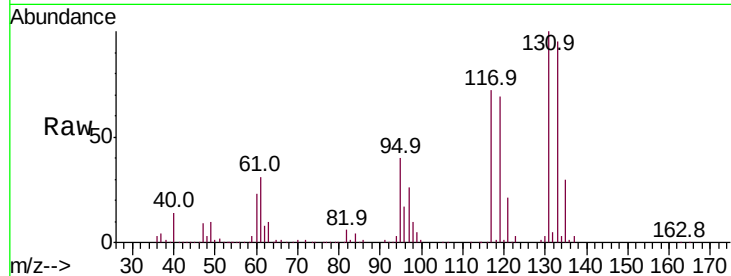
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.046 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.8	143.3
119	68.5	32.5	97.5

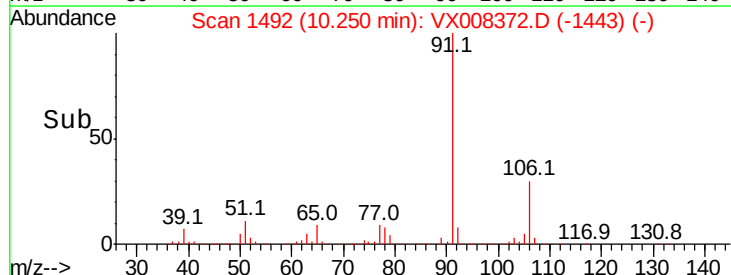
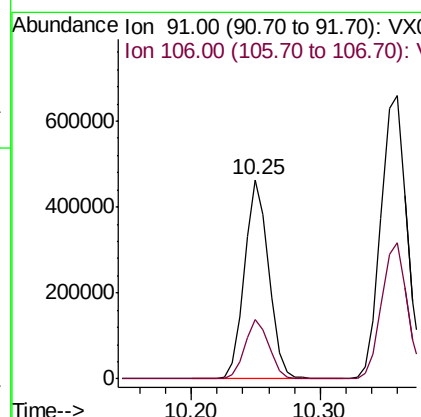
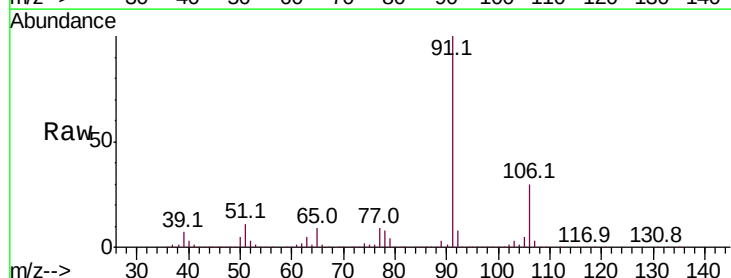
Manual Integrations
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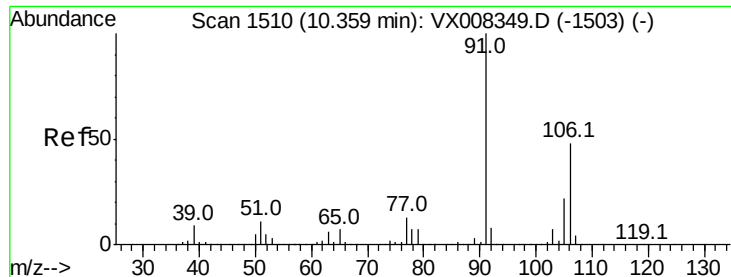
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#67
 Ethyl Benzene
 Concen: 50.186 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	25.2	37.8





#68

m/p-Xylenes

Concen: 101.115 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:106 Resp: 435050

Ion Ratio Lower Upper

106 100

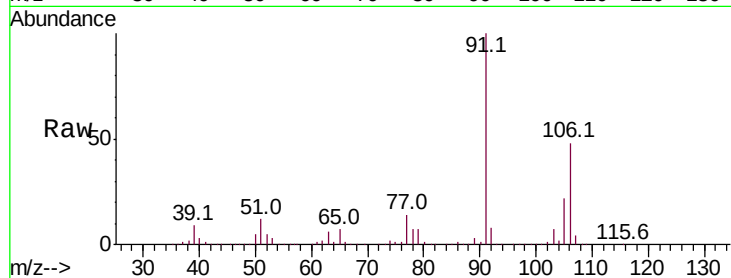
91 211.4 159.8 239.6

Manual Integrations

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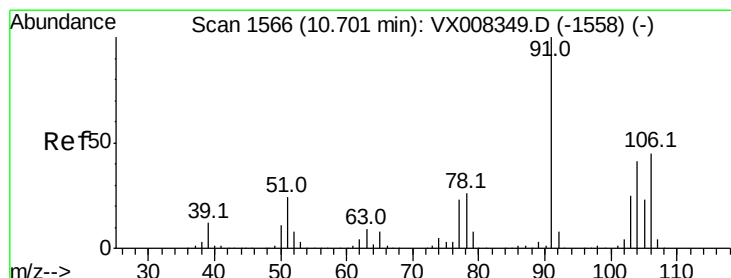
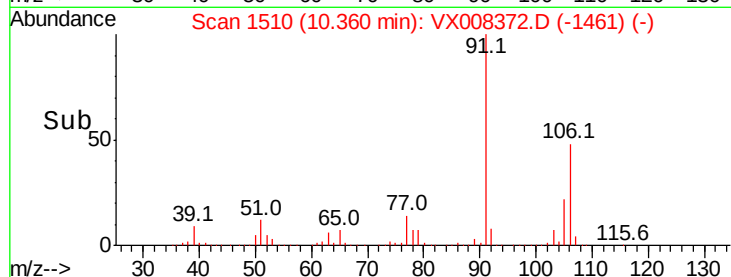
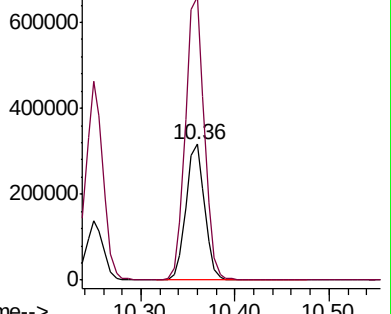
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 50.451 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX008372.D

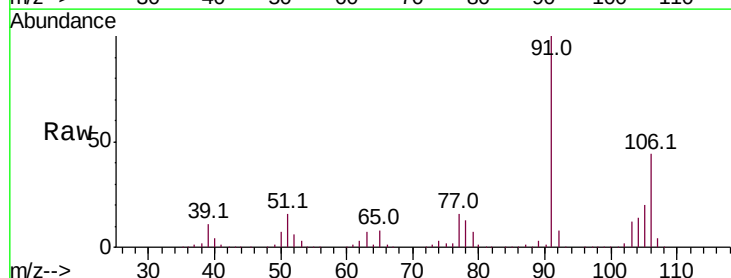
Acq: 23 Mar 2019 23:59

Tgt Ion:106 Resp: 212256

Ion Ratio Lower Upper

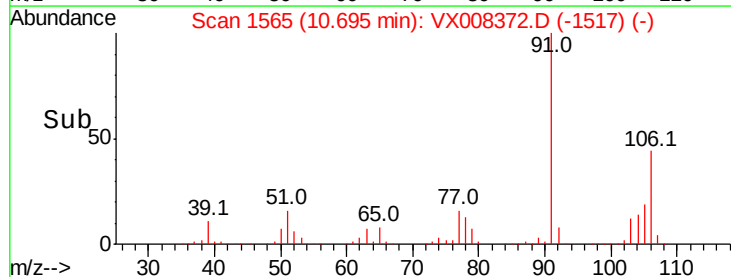
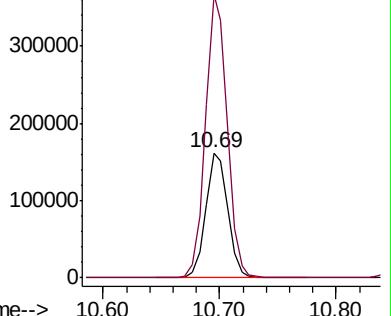
106 100

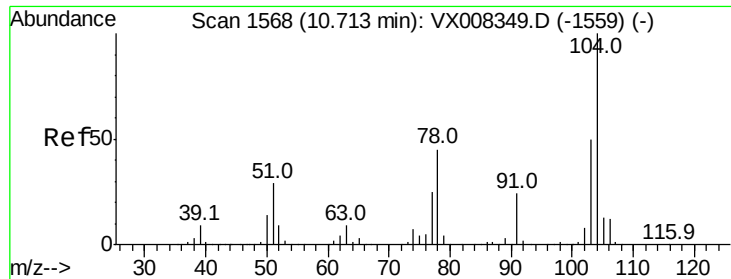
91 223.8 106.3 318.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





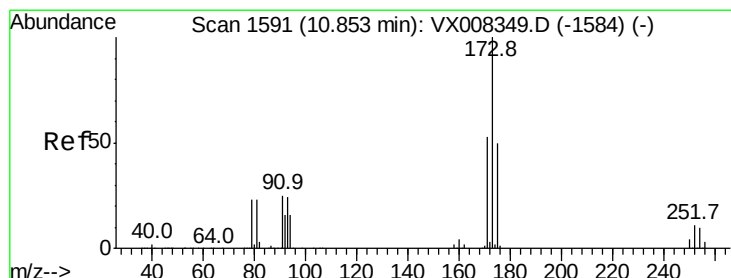
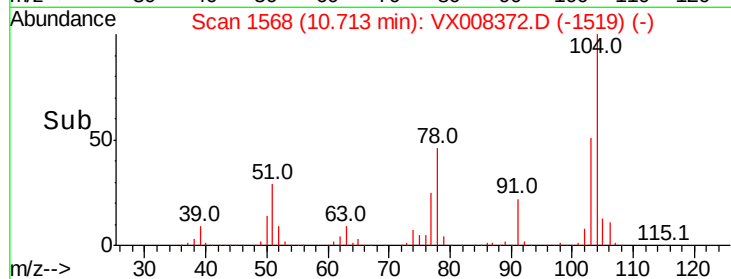
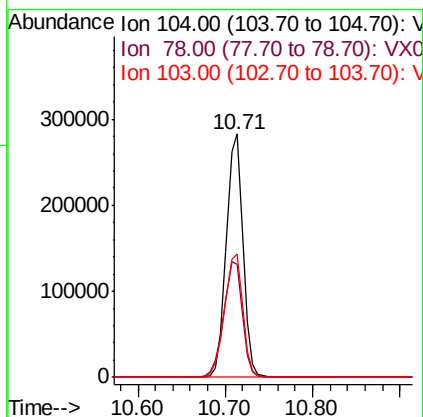
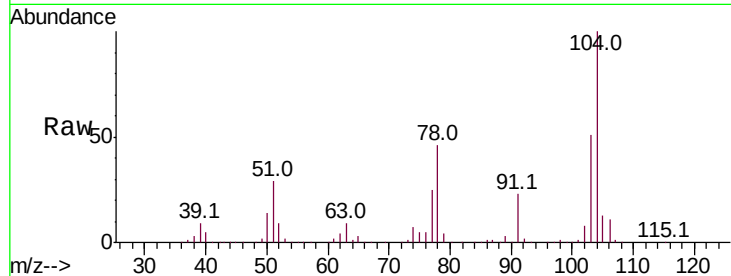
#70
Stvrene
Concen: 51.184 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.1	38.5	57.7
103	55.5	44.1	66.1

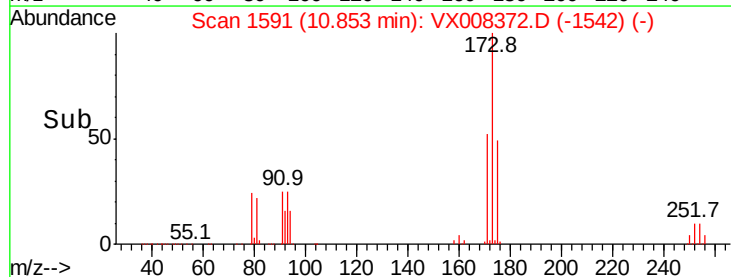
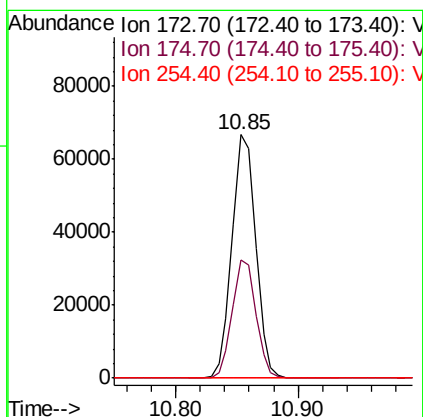
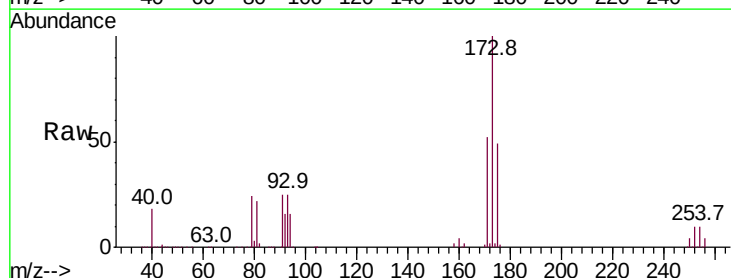
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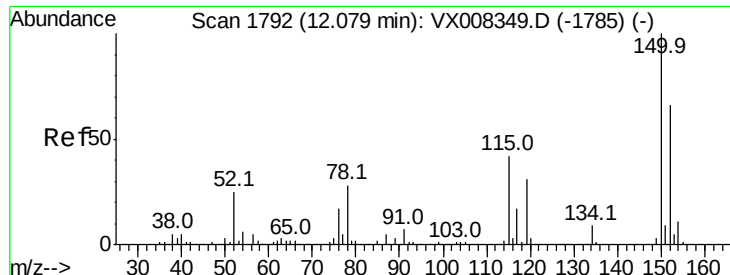
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#71
Bromoform
Concen: 52.421 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	0.1	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: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:152 Resp: 145598

Ion Ratio Lower Upper

152 100

115 86.9 38.6 115.7

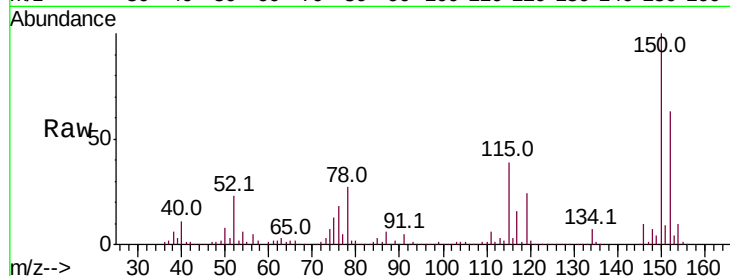
150 174.1 0.0 348.4

Manual Integrations

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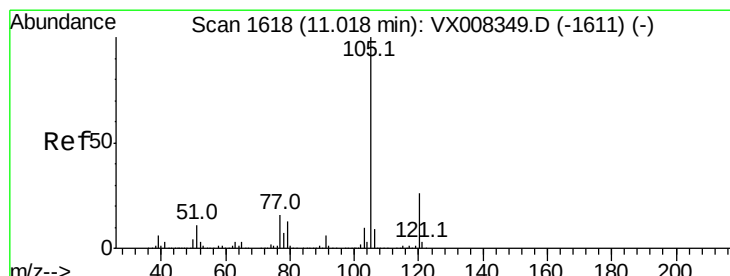
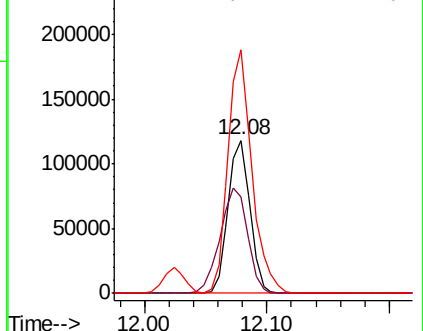
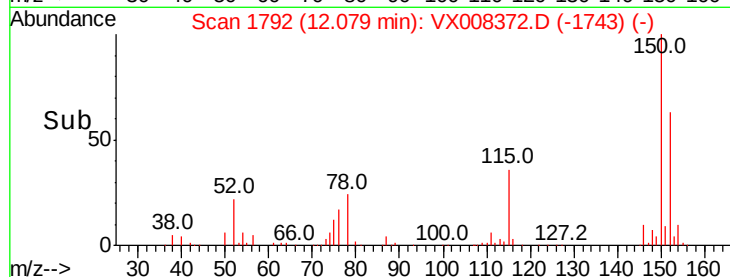
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 48.890 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008372.D

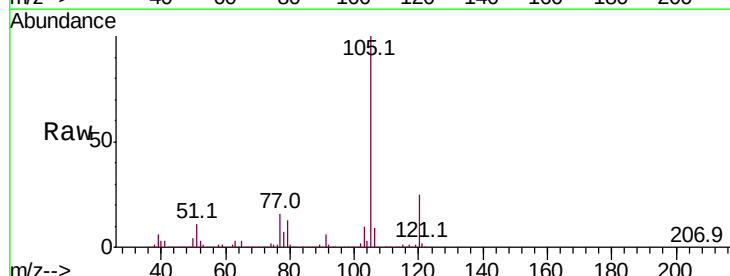
Acq: 23 Mar 2019 23:59

Tgt Ion:105 Resp: 561756

Ion Ratio Lower Upper

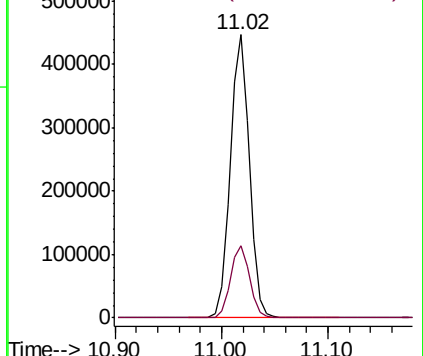
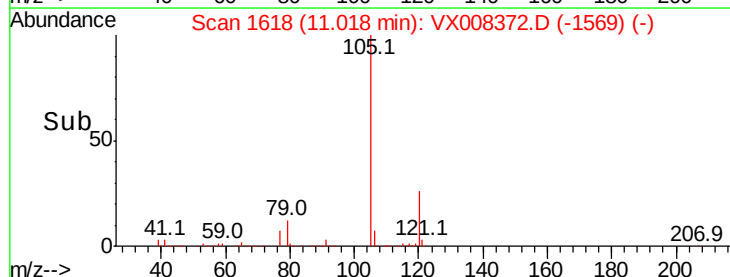
105 100

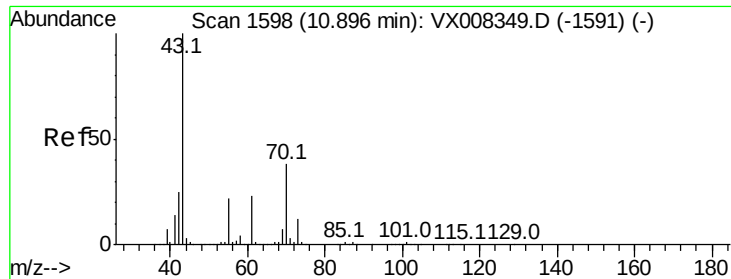
120 25.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.699 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

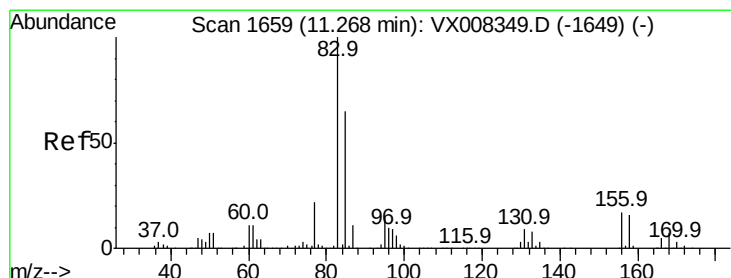
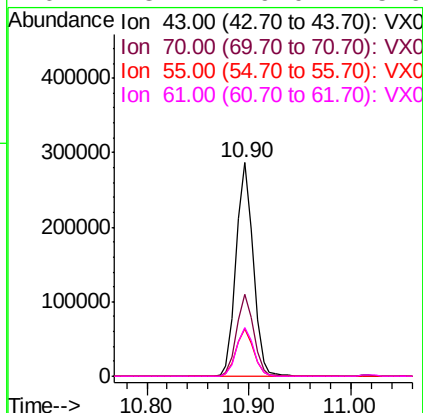
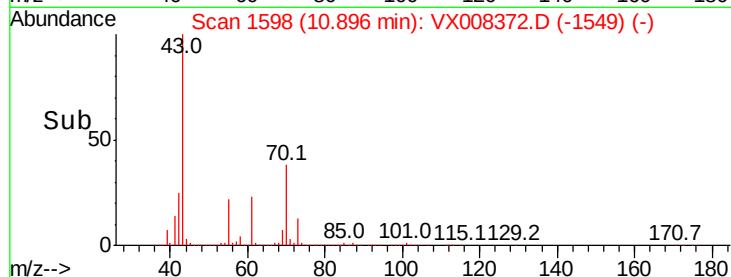
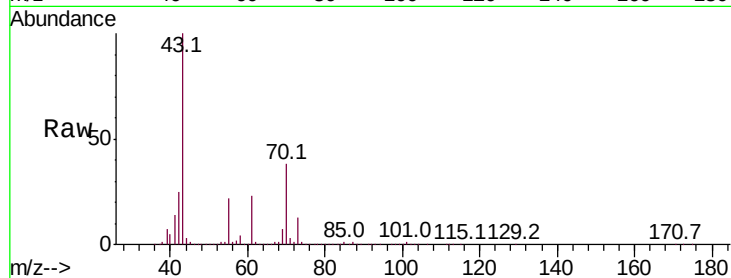
Instrument :
MSVOA_X

ClientSampleId :
BP-TT-SW4002-20190314MSD

Tot Ion	43	Resp	327613
Ion Ratio	Lower	Upper	
43	100		
70	38.1	33.5	50.3
55	22.5	19.2	28.8
61	23.2	19.0	28.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.057 ug/l

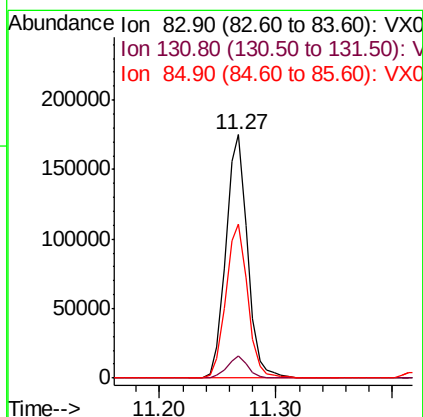
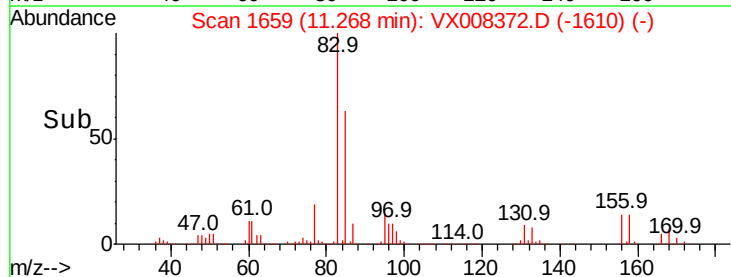
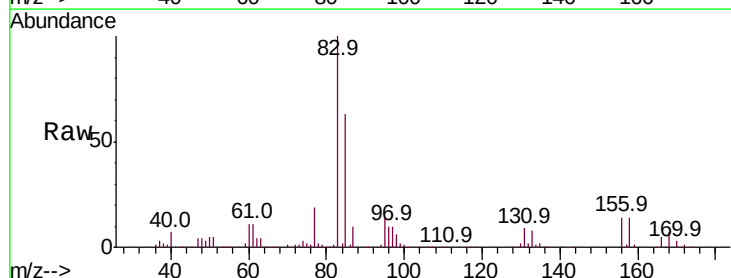
RT: 11.27 min Scan# 1659

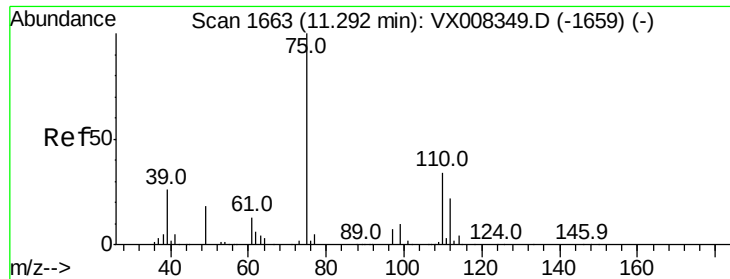
Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Tgt Ion	83	Resp	224526
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.4	16.2
85	64.1	32.3	96.8





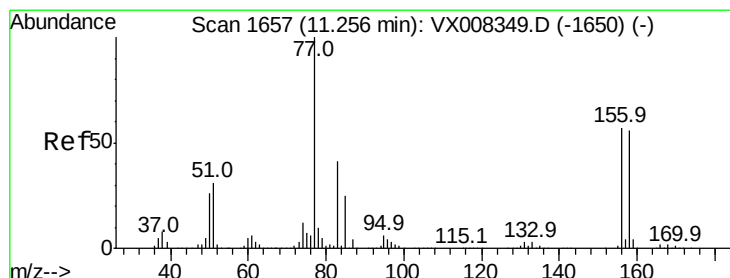
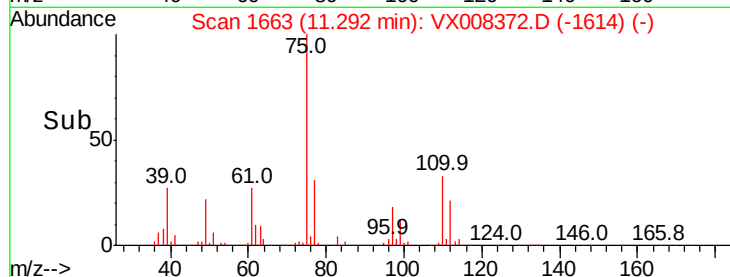
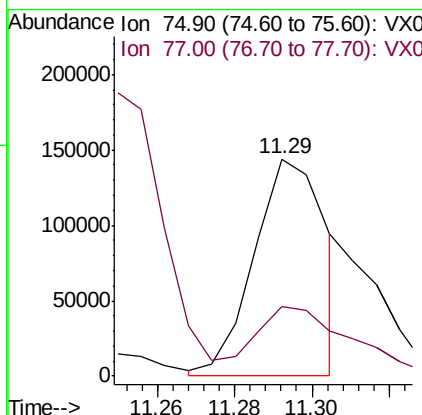
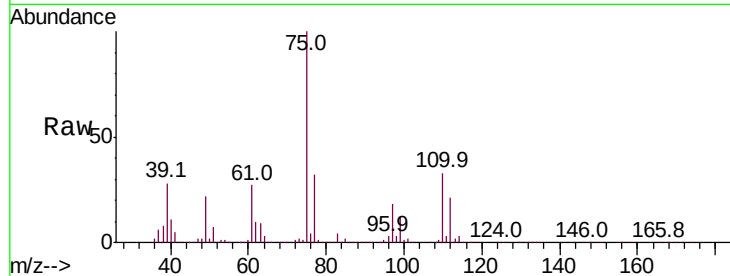
#76
 1,2,3-Trichloropropane
 Concen: 48.809 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion: 75 Resp: 186010
 Ion Ratio Lower Upper
 75 100
 77 43.3 18.9 56.7

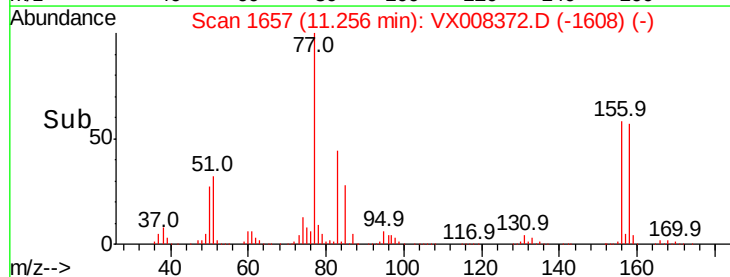
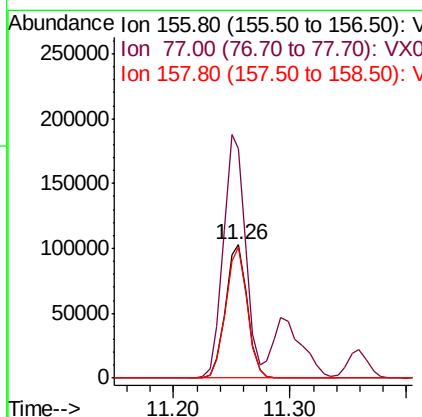
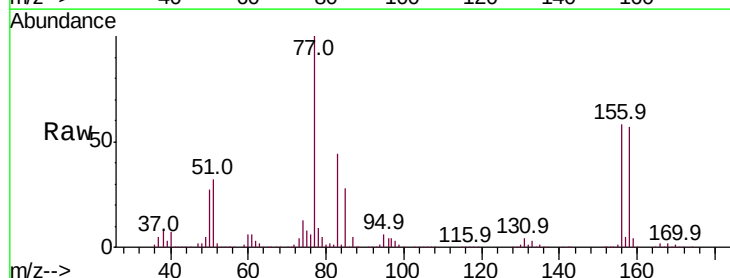
Manual Integrations
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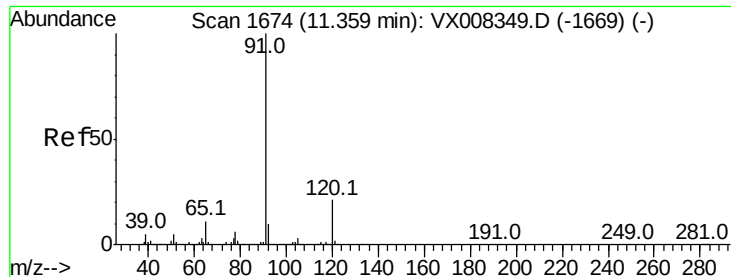
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#77
 Bromobenzene
 Concen: 49.052 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion: 156 Resp: 133362
 Ion Ratio Lower Upper
 156 100
 77 183.8 72.0 215.9
 158 96.7 48.6 145.9





#78

n-propylbenzene

Concen: 49.311 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion: 91 Resp: 664075

Ion Ratio Lower Upper

91 100

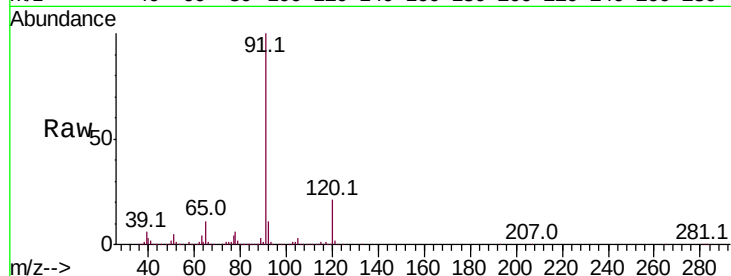
120 21.6 12.0 36.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

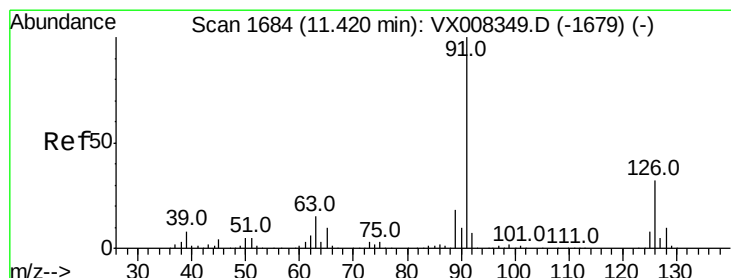
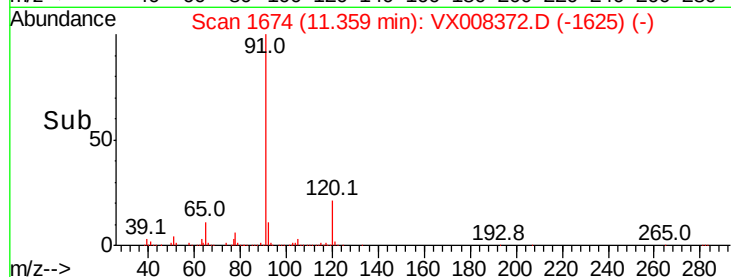
0

11.36

11.35

11.40

Time-->



#79

2-Chlorotoluene

Concen: 48.693 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008372.D

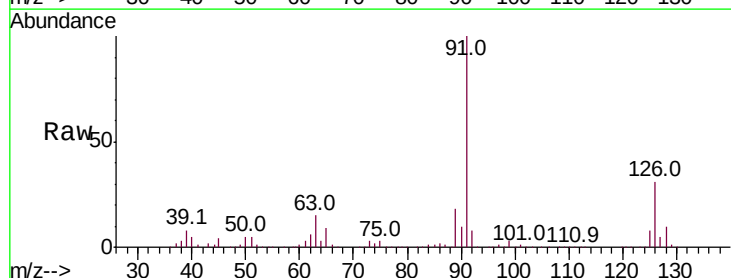
Acq: 23 Mar 2019 23:59

Tgt Ion: 91 Resp: 399448

Ion Ratio Lower Upper

91 100

126 31.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

600000

400000

200000

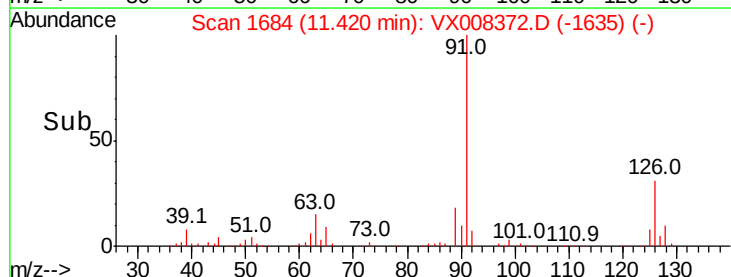
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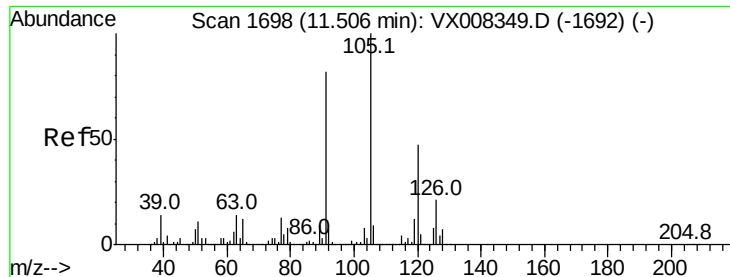
11.42

11.40

11.45

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 49.186 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:105 Resp: 480774

Ion Ratio Lower Upper

105 100

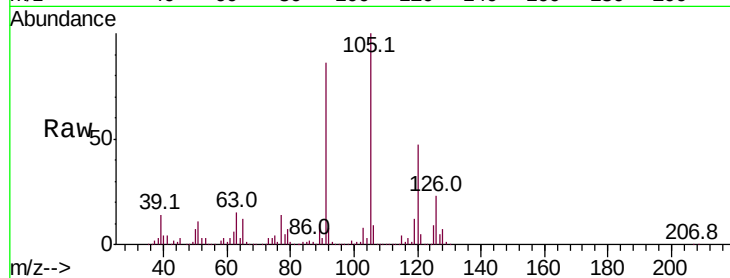
120 47.1 24.9 74.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

400000

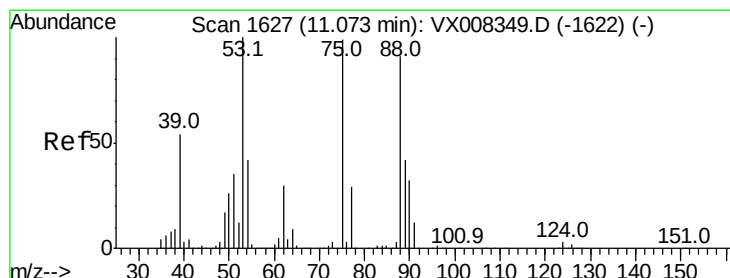
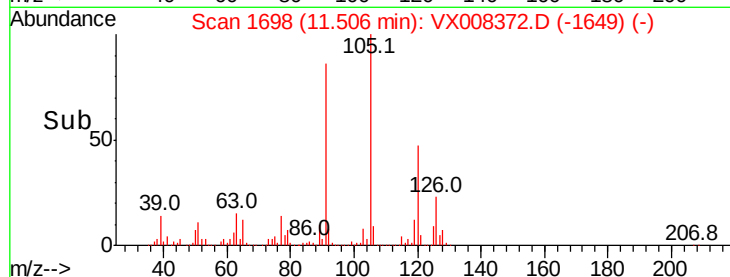
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 48.846 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

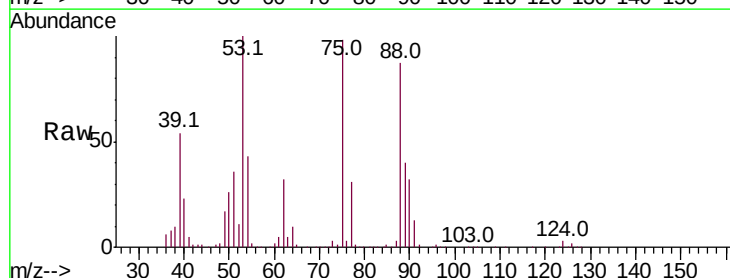
Tgt Ion: 75 Resp: 65323

Ion Ratio Lower Upper

75 100

53 106.5 76.1 114.1

89 42.3 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

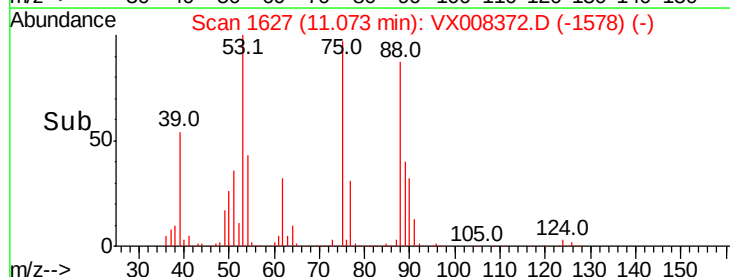
60000

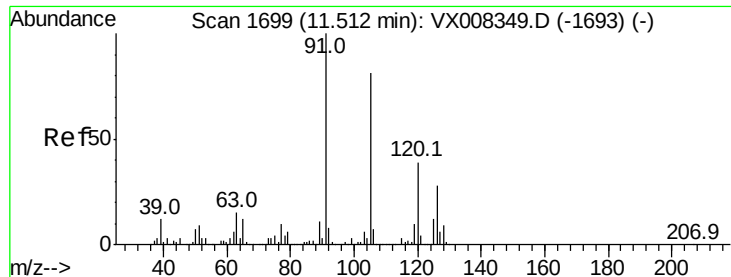
40000

20000

0

Time-->





#82

4-Chlorotoluene

Concen: 48.776 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion: 91 Resp: 461052

Ion Ratio Lower Upper

91 100

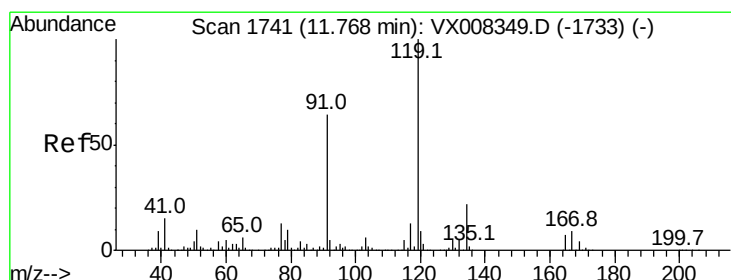
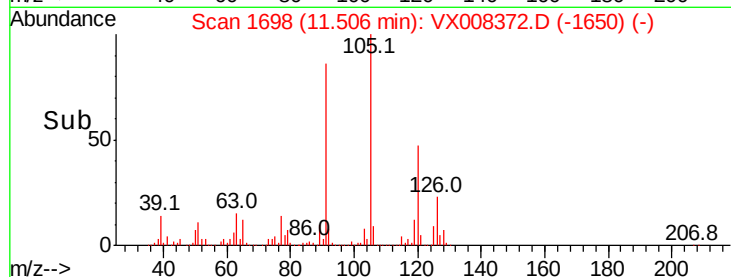
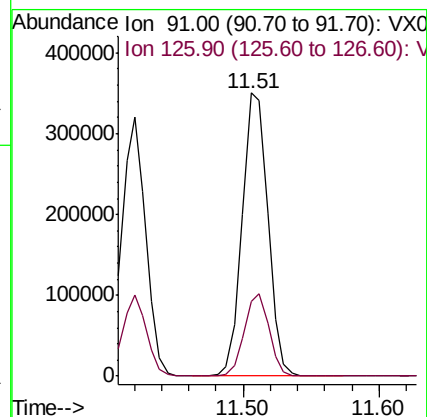
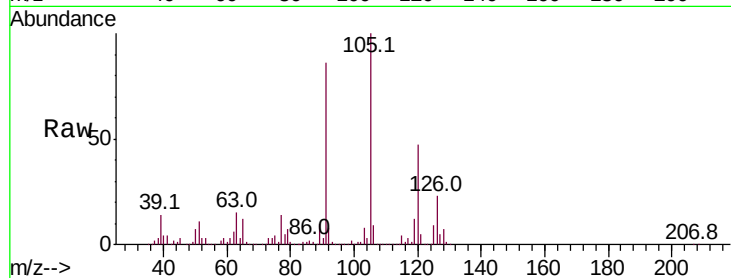
126 28.1 15.6 46.8

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#83

tert-Butylbenzene

Concen: 49.167 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

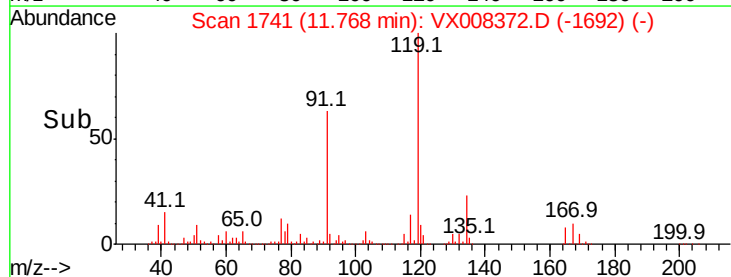
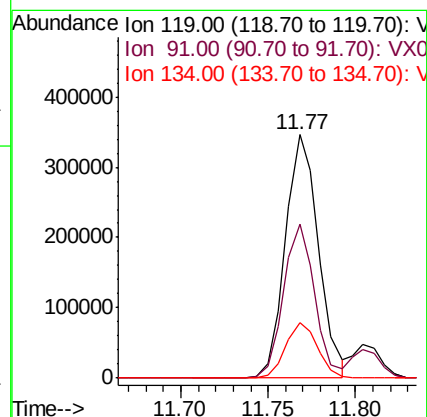
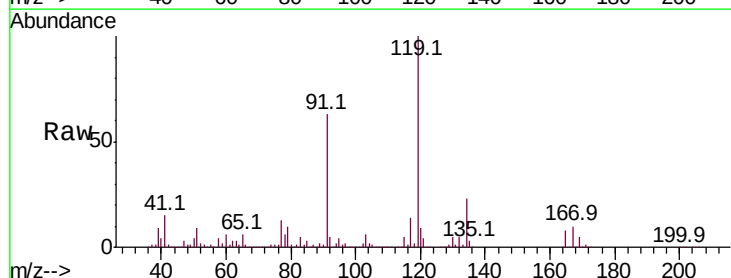
Tgt Ion: 119 Resp: 457644

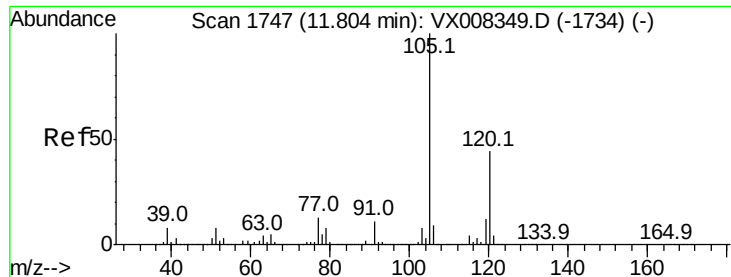
Ion Ratio Lower Upper

119 100

91 59.6 27.1 81.3

134 22.1 11.4 34.1





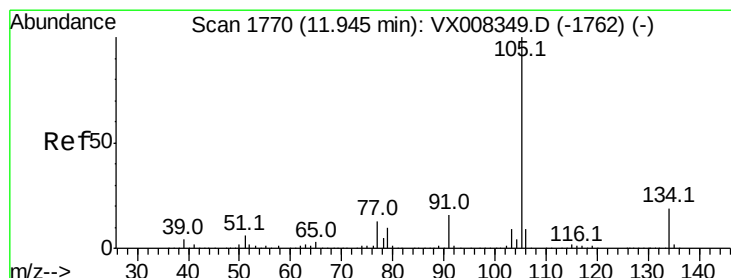
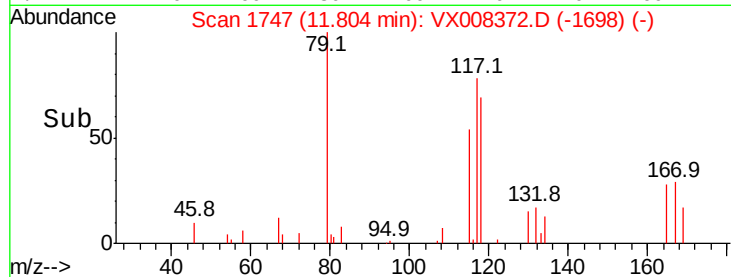
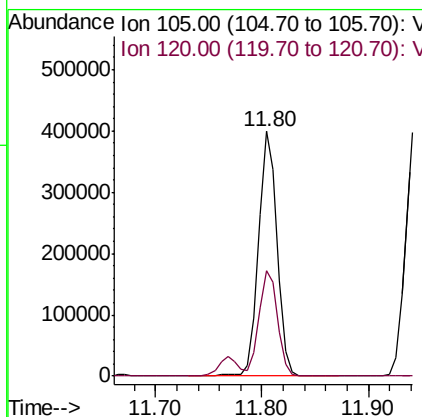
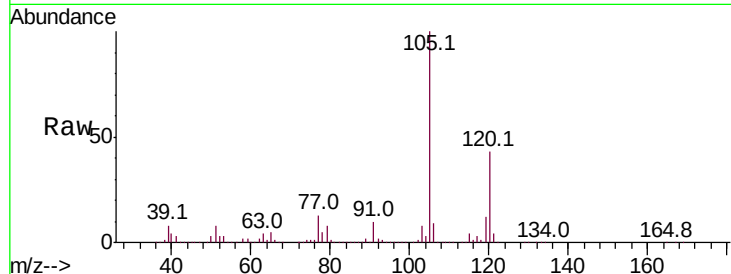
#84
 1,2,4-Trimethylbenzene
 Concen: 49.794 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.6	67.7

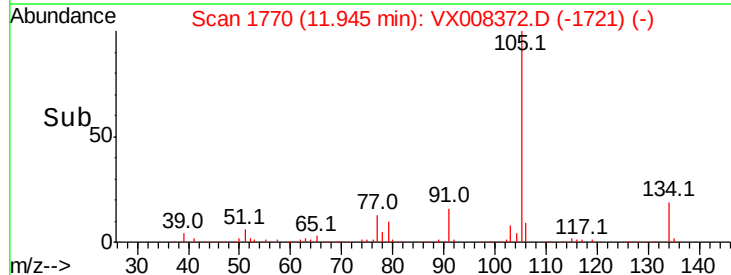
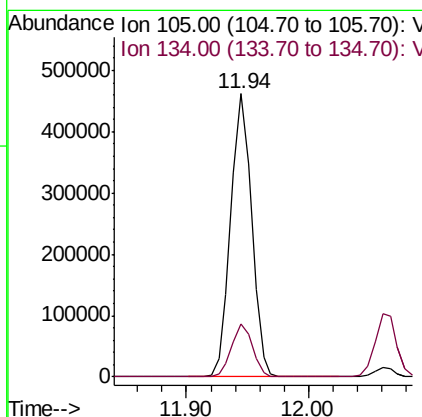
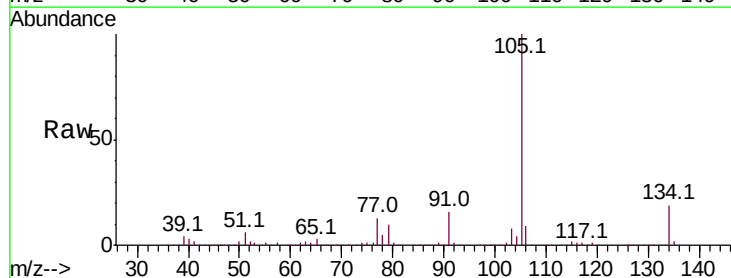
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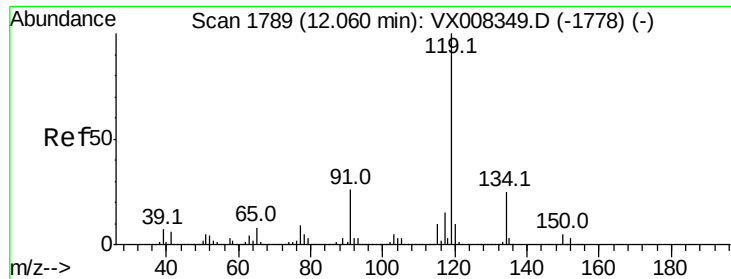
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#85
 sec-Butylbenzene
 Concen: 48.891 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.8	10.4	31.2





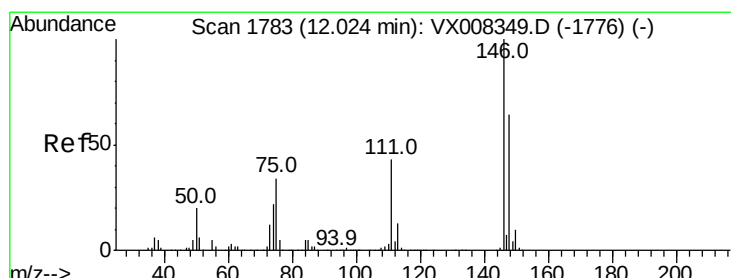
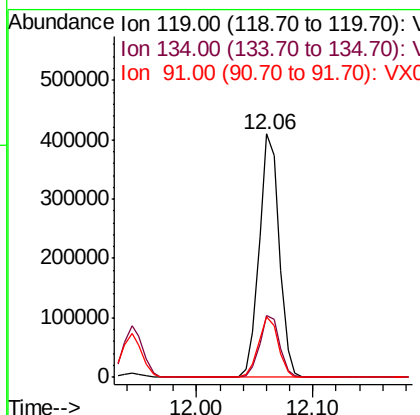
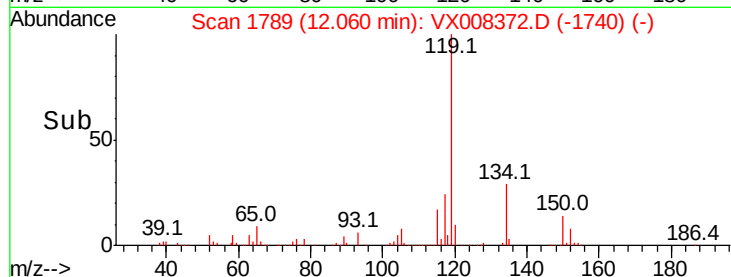
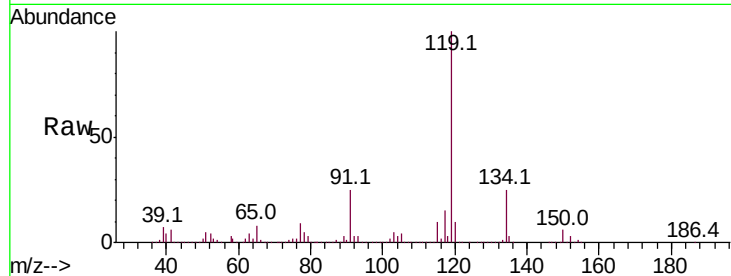
#86
 p-Isopropyltoluene
 Concen: 50.229 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	493887		
134	25.4	13.3	39.9	
91	24.4	10.9	32.7	

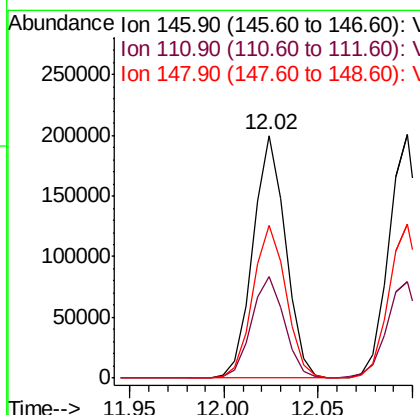
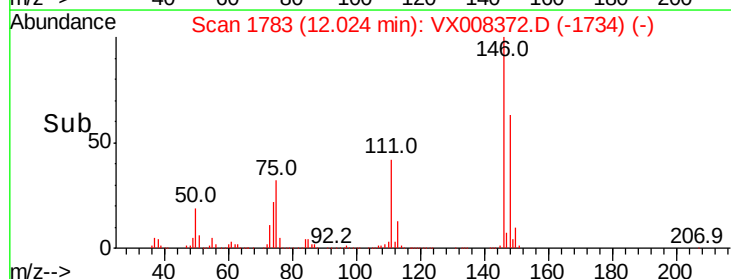
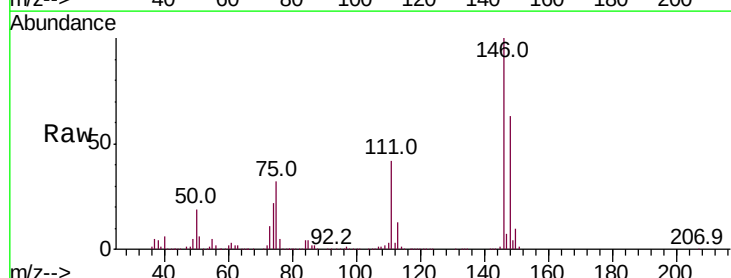
Manual Integrations
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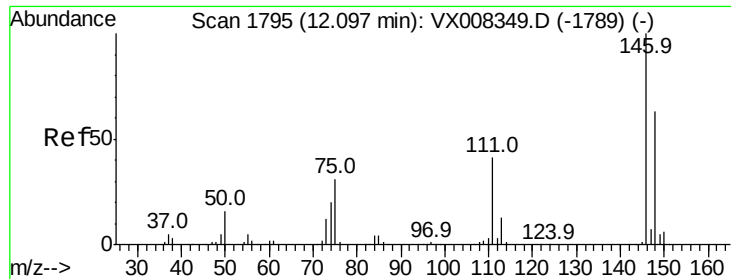
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#87
 1,3-Dichlorobenzene
 Concen: 49.077 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	239642		
111	42.2	18.9	56.7	
148	63.8	31.7	95.1	





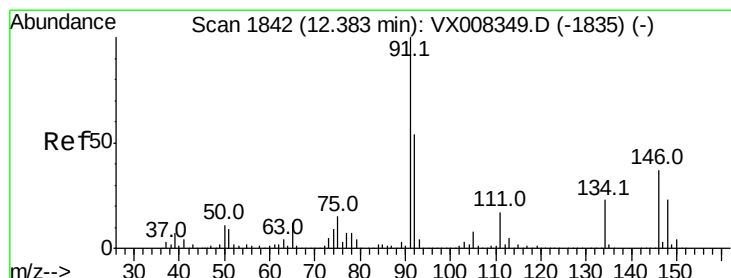
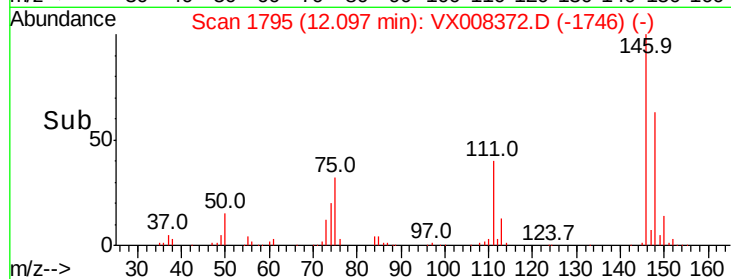
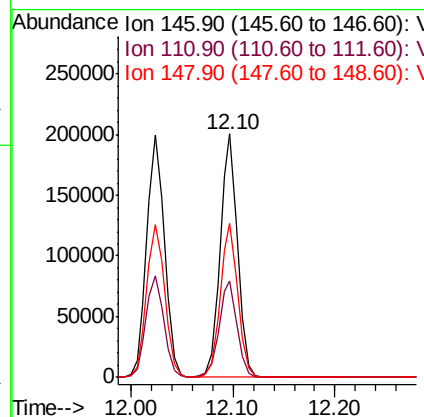
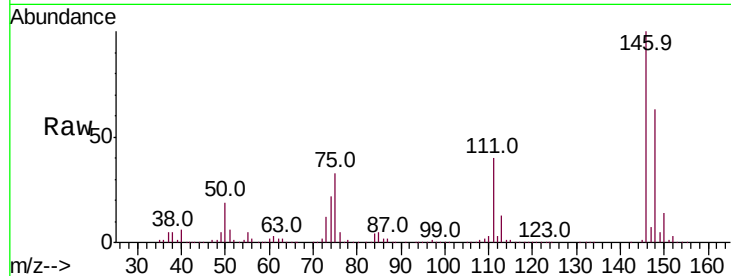
#88
 1,4-Dichlorobenzene
 Concen: 48.442 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.4	55.0
148	63.9	32.2	96.6

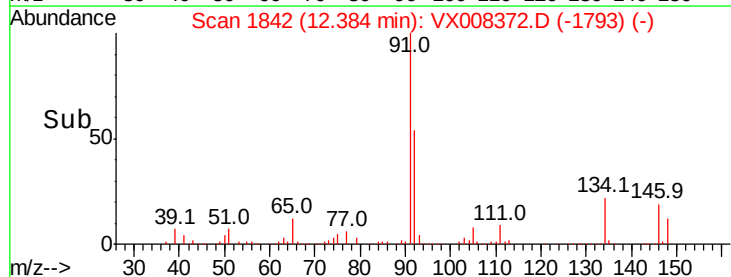
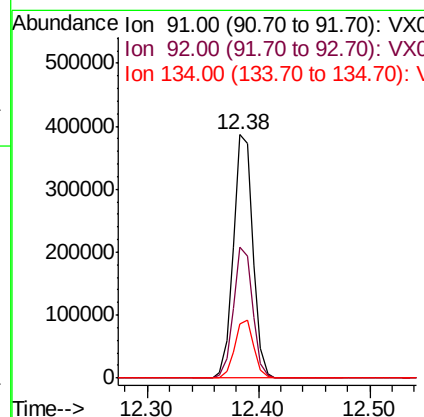
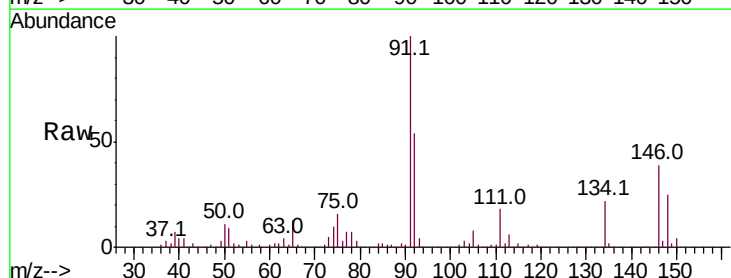
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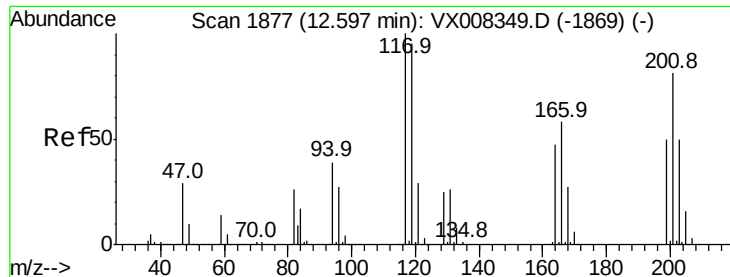
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#89
 n-Butylbenzene
 Concen: 49.617 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.0	80.8
134	23.4	13.7	41.0





#90

Hexachloroethane

Concen: 49.528 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-SW4002-20190314MSD

Tot Ion:117 Resp: 80443

Ion Ratio Lower Upper

117 100

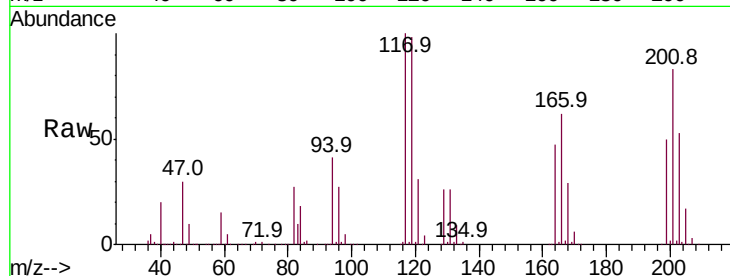
201 78.2 48.9 146.7

Manual Integrations

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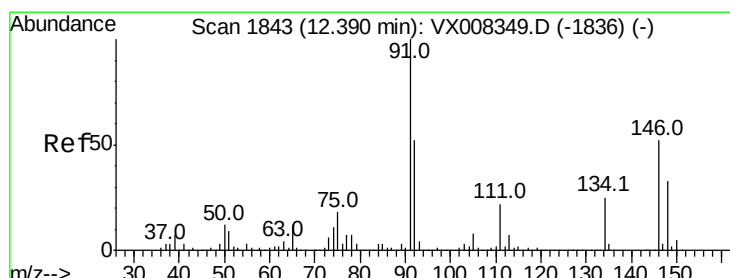
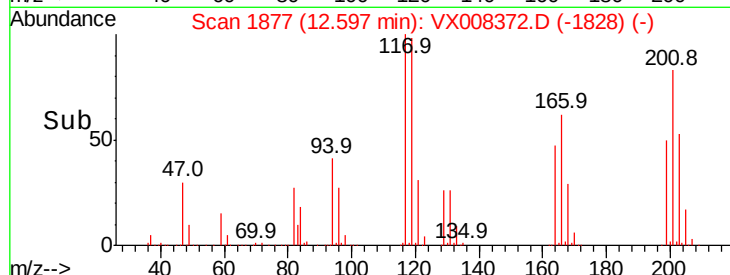
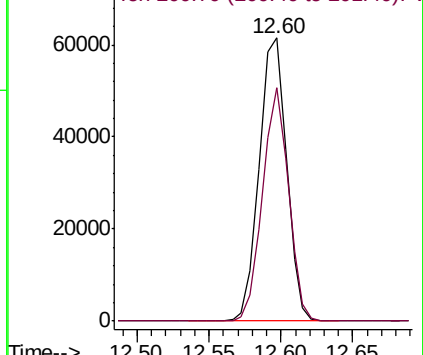
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.474 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008372.D

Acq: 23 Mar 2019 23:59

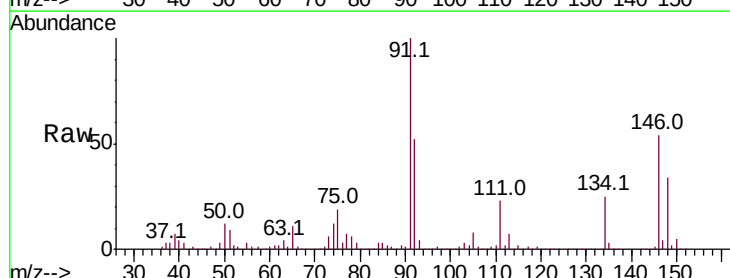
Tgt Ion:146 Resp: 244669

Ion Ratio Lower Upper

146 100

111 43.7 19.6 58.8

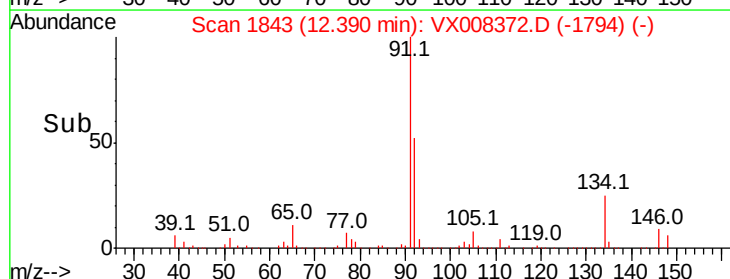
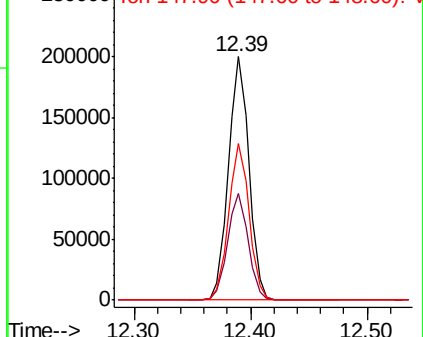
148 64.0 31.9 95.5

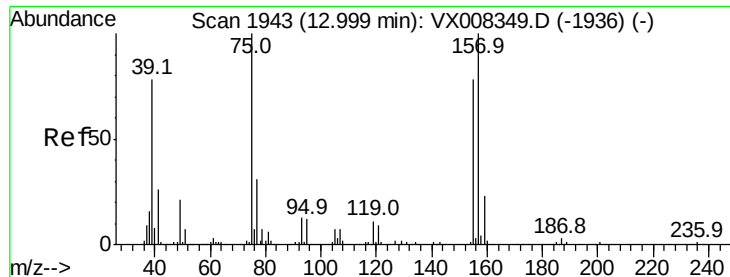


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





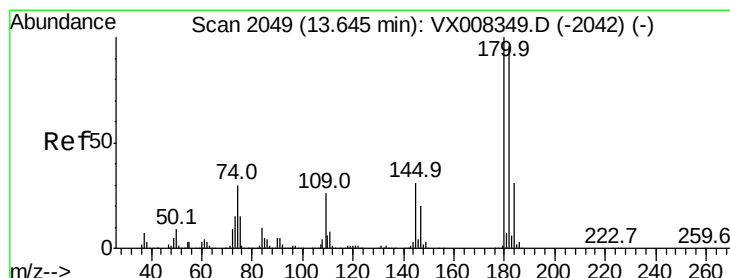
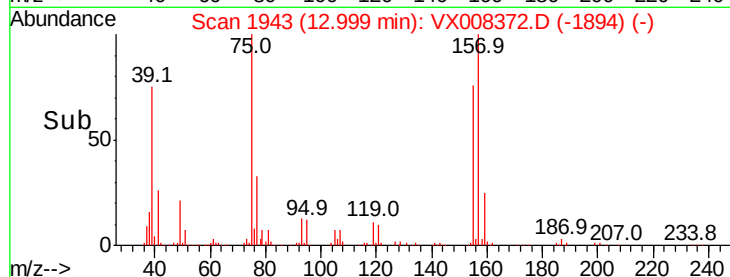
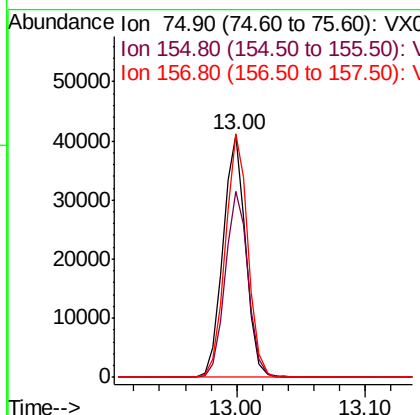
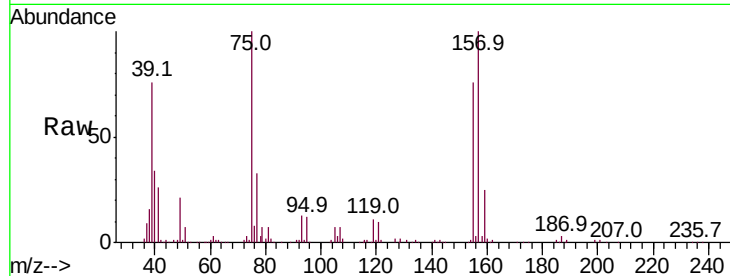
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.120 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion: 75 Resp: 50842
 Ion Ratio Lower Upper
 75 100
 155 76.9 49.7 149.1
 157 99.7 63.8 191.4

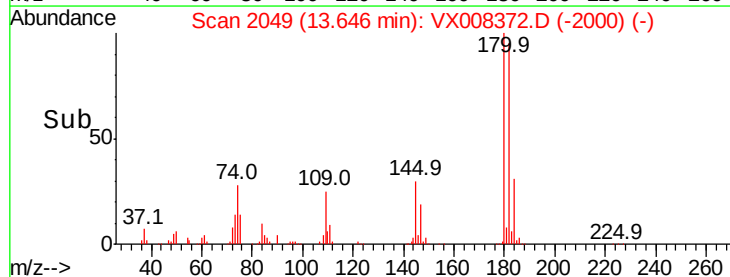
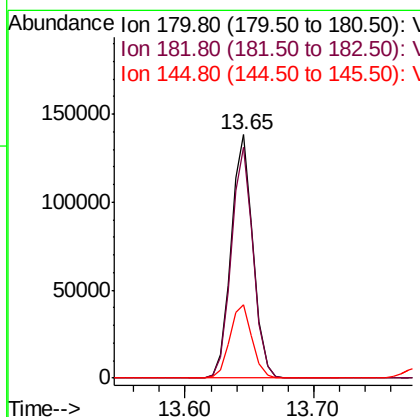
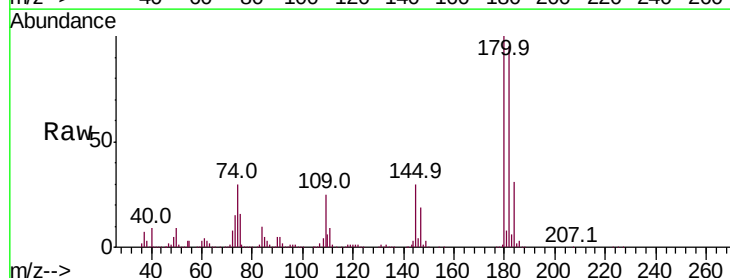
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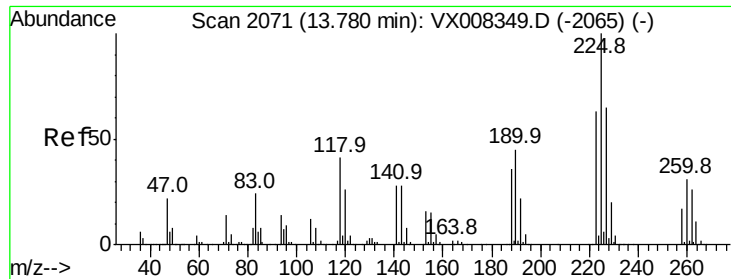
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 3/25/2019 11:08:29 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.288 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

Tgt Ion: 180 Resp: 164369
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.9 143.7
 145 30.9 14.1 42.4





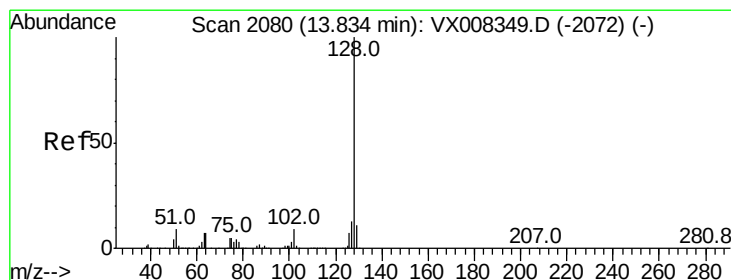
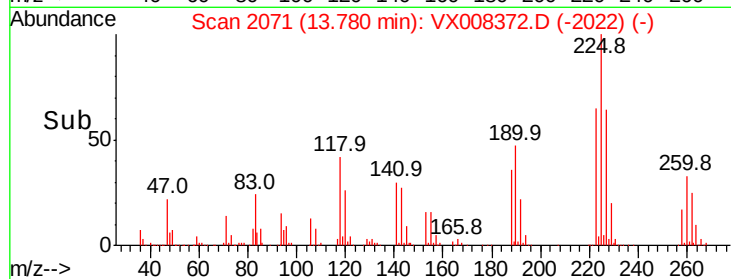
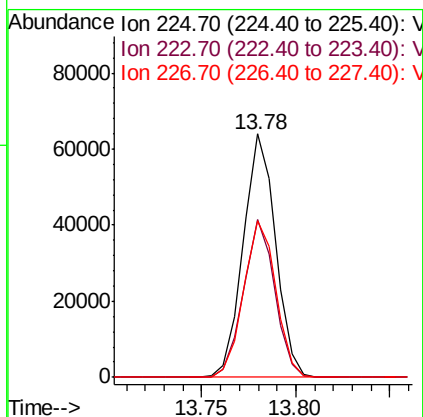
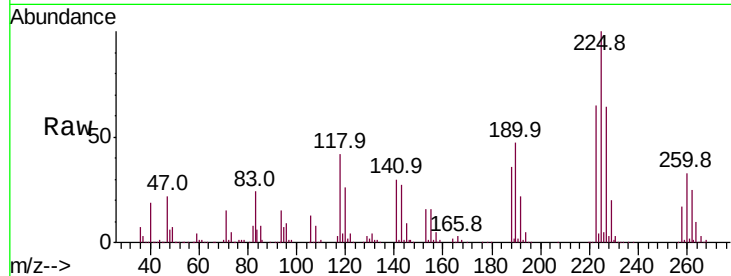
#94
Hexachlorobutadiene
Concen: 48.263 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.2
227	64.3	32.0	96.0

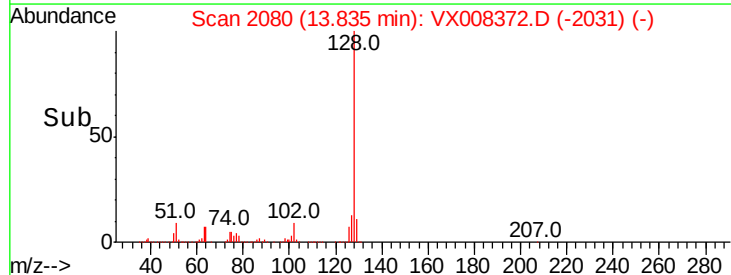
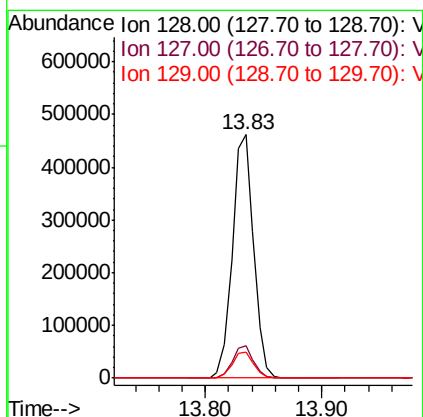
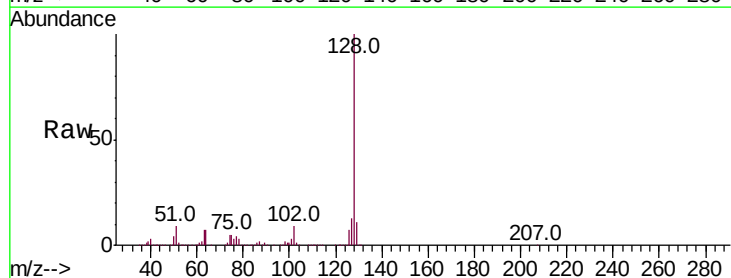
Manual Integrations
APPROVED

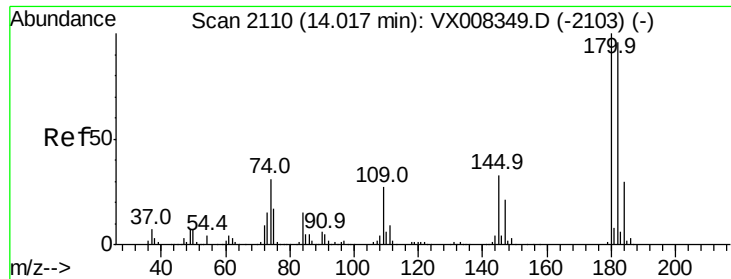
MMDadoda
3/25/2019 11:08:29 AM



#95
Naphthalene
Concen: 49.869 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008372.D
Acq: 23 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.8	8.7	13.1





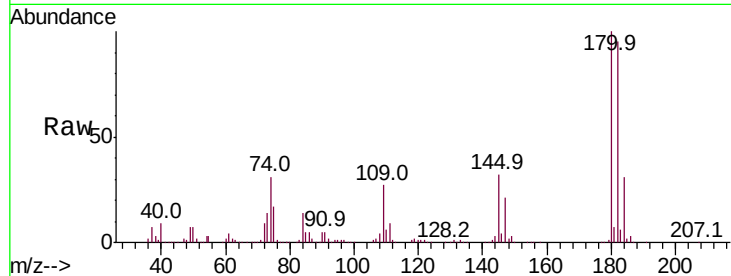
#96
 1,2,3-Trichlorobenzene
 Concen: 49.304 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008372.D
 Acq: 23 Mar 2019 23:59

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

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.1	47.5	142.5
145	32.3	14.8	44.3

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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

