

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008346.D
 Acq On : 23 Mar 2019 13:07
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:16:33 AM

Quant Time: Mar 25 02:24:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 14:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	208095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	364846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	2421	0.960 ug/l	94
3) Chloromethane	1.32	50	3910	1.235 ug/l	96
4) Vinyl Chloride	1.40	62	3708	1.175 ug/l	97
5) Bromomethane	1.65	94	2209	0.822 ug/l	97
6) Chloroethane	1.73	64	2329	1.177 ug/l #	86
7) Trichlorofluoromethane	1.93	101	4245	1.054 ug/l	97
8) Diethyl Ether	2.18	74	2075	1.001 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2475	0.925 ug/l	89
12) 1,1-Dichloroethene	2.37	96	2544	1.008 ug/l #	85
14) Allyl chloride	2.73	41	5468	0.995 ug/l	94
15) Acrylonitrile	3.14	53	9403	5.299 ug/l	93
16) Acetone	2.44	43	8770	4.934 ug/l	93
17) Carbon Disulfide	2.57	76	9567	1.175 ug/l #	90
18) Methyl Acetate	2.77	43	4363	1.060 ug/l	96
19) Methyl tert-butyl Ether	3.19	73	8669	0.950 ug/l	92
20) Methylene Chloride	2.86	84	3340	1.127 ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	2933	1.075 ug/l	97
22) Diisopropyl ether	3.85	45	10094	0.938 ug/l #	75
23) Vinyl Acetate	3.81	43	42186	4.571 ug/l	97
24) 1,1-Dichloroethane	3.70	63	5410	0.977 ug/l #	96
25) 2-Butanone	4.68	43	13368	5.095 ug/l	94
26) 2,2-Dichloropropane	4.58	77	3135	0.752 ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	3206	1.031 ug/l	87
28) Bromochloromethane	5.02	49	3122	1.256 ug/l #	66
29) Tetrahydrofuran	5.14	42	8947	5.455 ug/l	99
30) Chloroform	5.21	83	4883	0.943 ug/l	93
31) Cyclohexane	5.57	56	5243	1.008 ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	3690	0.857 ug/l #	40
36) 1,1-Dichloropropene	5.79	75	3741	0.881 ug/l #	93
37) Ethyl Acetate	4.84	43	4912	0.978 ug/l	97
38) Carbon Tetrachloride	5.79	117	3362	0.888 ug/l	92
39) Methylcyclohexane	7.46	83	4568	0.894 ug/l	95
40) Benzene	6.14	78	11758	0.935 ug/l	98
41) Methacrylonitrile	5.04	41	2420	0.859 ug/l #	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.19	62	4513	0.980	ug/l	99
43) Isopropyl Acetate	6.45	43	7113	0.884	ug/l #	94
44) Trichloroethene	7.21	130	2940	0.956	ug/l	96
45) 1,2-Dichloropropane	7.51	63	3128	0.889	ug/l #	85
46) Dibromomethane	7.66	93	2152	1.010	ug/l #	78
47) Bromodichloromethane	7.90	83	3560	0.877	ug/l	97
48) Methyl methacrylate	7.77	41	3808	0.890	ug/l	94
49) 1,4-Dioxane	7.74	88	1779	23.557	ug/l #	71
51) 4-Methyl-2-Pentanone	8.64	43	24250	4.660	ug/l	94
52) Toluene	8.79	92	6625	0.888	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	3372	0.742	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	3911	0.776	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	2816	0.934	ug/l	98
56) Ethyl methacrylate	9.18	69	4308	0.894	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	5057	0.949	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	11886	4.814	ug/l	93
59) 2-Hexanone	9.49	43	18550	4.631	ug/l	92
60) Dibromochloromethane	9.58	129	2256	0.779	ug/l	100
61) 1,2-Dibromoethane	9.67	107	2634	0.837	ug/l	95
64) Tetrachloroethene	9.34	164	2266	0.793	ug/l	98
65) Chlorobenzene	10.13	112	6728	0.863	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	2183	0.804	ug/l #	65
67) Ethyl Benzene	10.25	91	12308	0.896	ug/l	99
68) m/p-Xylenes	10.36	106	8469	1.679	ug/l	90
69) o-Xylene	10.69	106	4209	0.859	ug/l	93
70) Styrene	10.71	104	6961	0.874	ug/l	91
71) Bromoform	10.85	173	1493	0.722	ug/l #	96
73) Isopropylbenzene	11.02	105	11122	0.918	ug/l	97
74) N-amyl acetate	10.90	43	5598	0.882	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	4770	1.098	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	4082m	1.068	ug/l	
77) Bromobenzene	11.26	156	2642	0.902	ug/l	76
78) n-propylbenzene	11.36	91	12340	0.877	ug/l	93
79) 2-Chlorotoluene	11.42	91	8428	0.998	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	9087	0.908	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	1019	0.763	ug/l #	48
82) 4-Chlorotoluene	11.51	91	9136	0.930	ug/l	95
83) tert-Butylbenzene	11.77	119	8413	0.880	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	8864	0.874	ug/l	97
85) sec-Butylbenzene	11.94	105	10427	0.881	ug/l	97
86) p-Isopropyltoluene	12.06	119	8458	0.826	ug/l #	89
87) 1,3-Dichlorobenzene	12.02	146	4846	0.926	ug/l	92
88) 1,4-Dichlorobenzene	12.10	146	5178m	0.956	ug/l	
89) n-Butylbenzene	12.38	91	7999	0.832	ug/l	93
90) Hexachloroethane	12.60	117	1412	0.809	ug/l	72
91) 1,2-Dichlorobenzene	12.39	146	4971	0.942	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	874	0.906	ug/l	75
93) 1,2,4-Trichlorobenzene	13.65	180	3341	0.961	ug/l	97
94) Hexachlorobutadiene	13.78	225	1501	0.885	ug/l	95
95) Naphthalene	13.83	128	11820	1.077	ug/l	97

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VSTDICC001

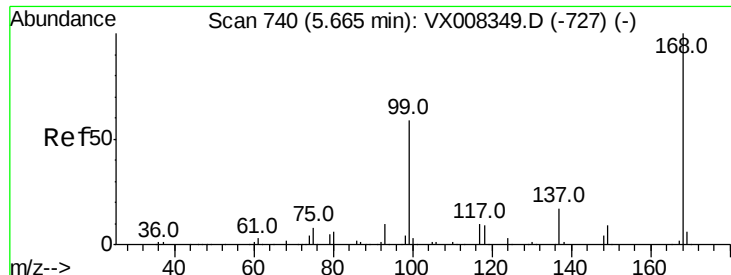
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	3389	0.991	ug/l	94

(#) = 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: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 208095

Ion Ratio Lower Upper

168 100

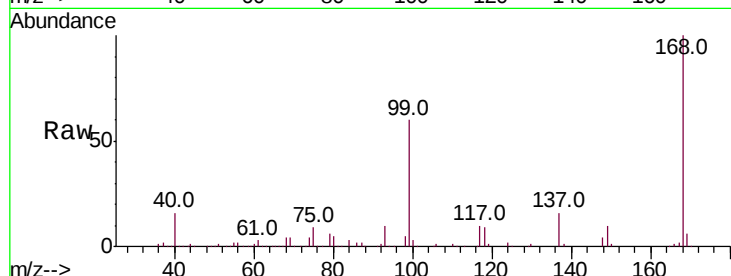
99 59.9 37.6 56.4#

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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

80000

60000

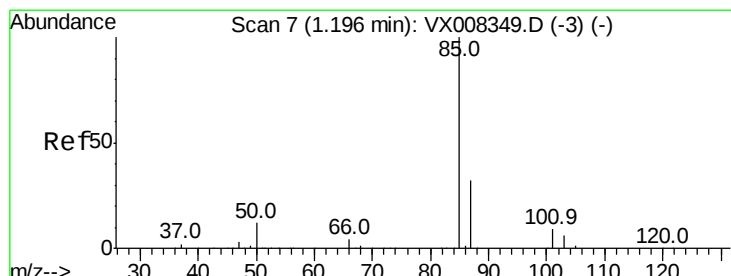
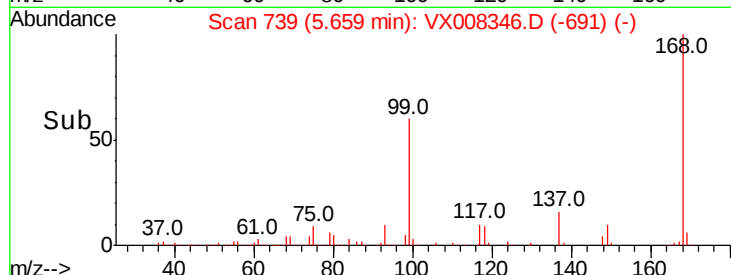
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.960 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008346.D

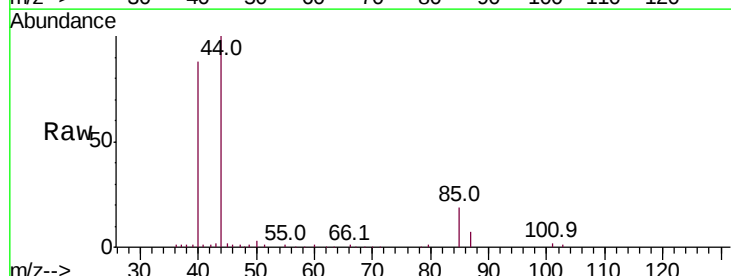
Acq: 23 Mar 2019 13:07

Tgt Ion: 85 Resp: 2421

Ion Ratio Lower Upper

85 100

87 36.2 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

2500

2000

1500

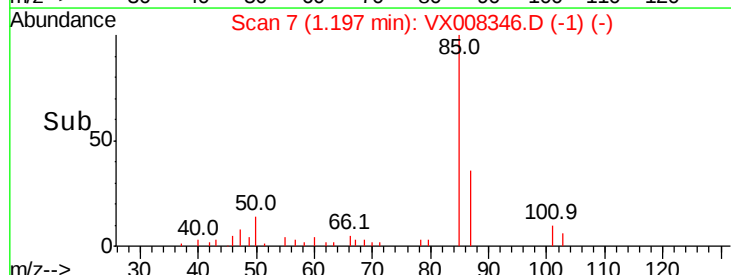
1000

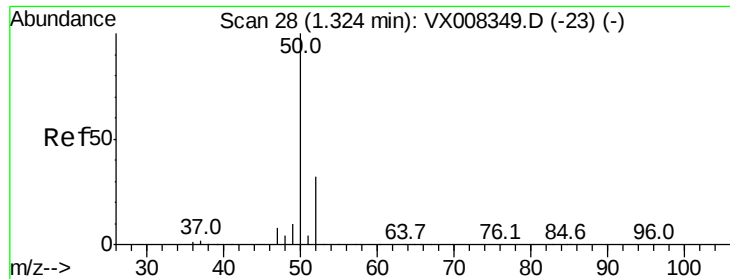
500

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 1.235 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3910

Ion Ratio Lower Upper

50 100

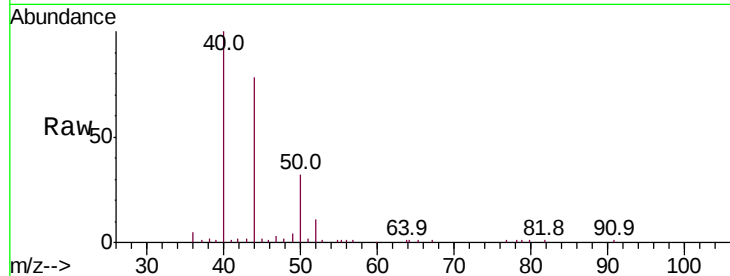
52 30.9 26.5 39.7

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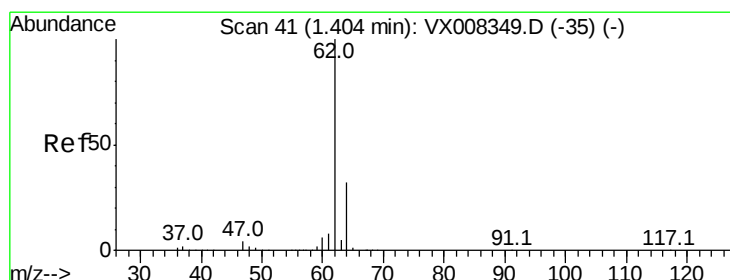
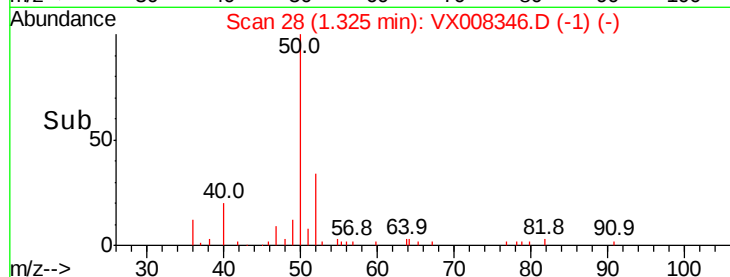
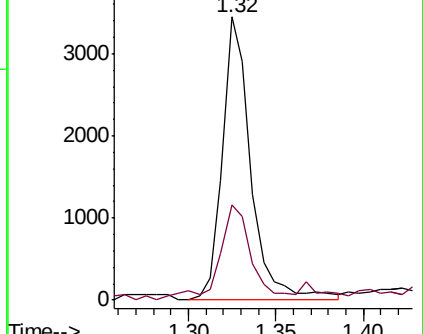
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.175 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008346.D

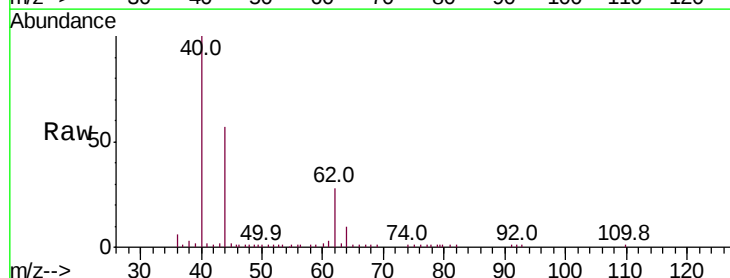
Acq: 23 Mar 2019 13:07

Tgt Ion: 62 Resp: 3708

Ion Ratio Lower Upper

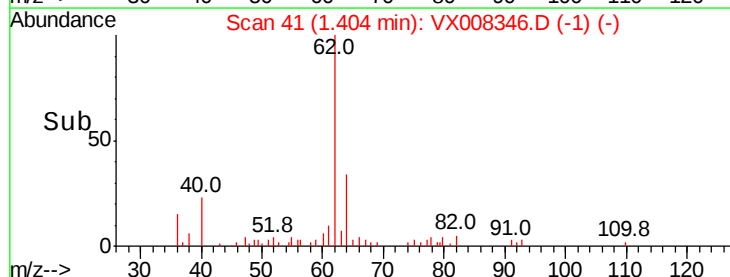
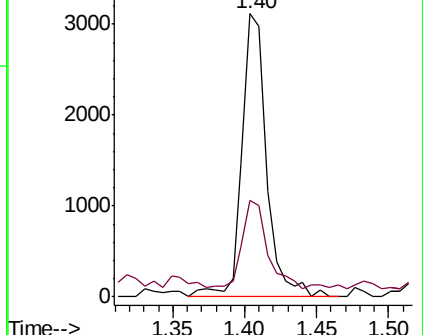
62 100

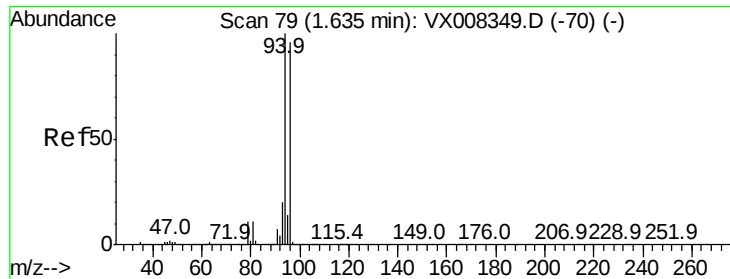
64 29.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.822 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 2209

Ion Ratio Lower Upper

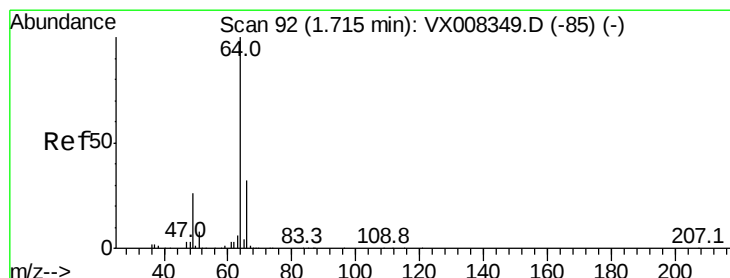
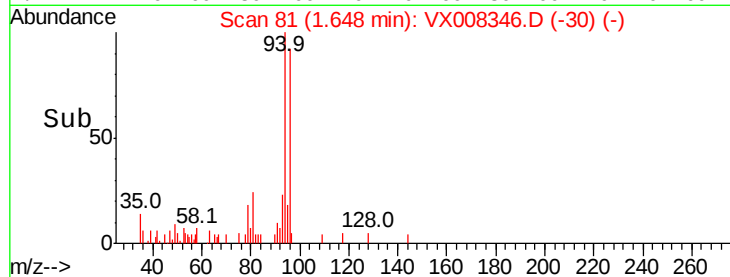
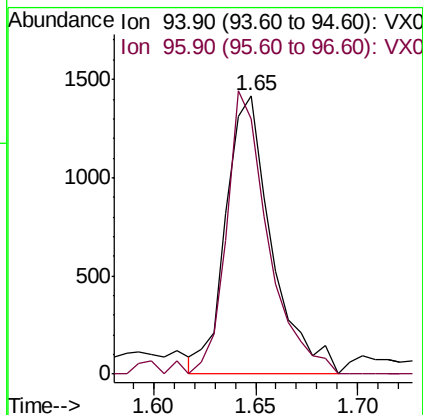
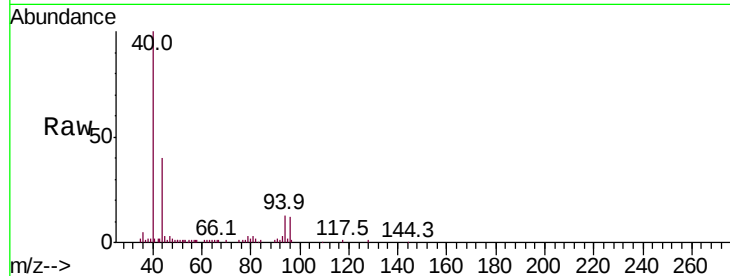
94 100

96 91.5 75.5 113.3

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#6

Chloroethane

Concen: 1.177 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008346.D

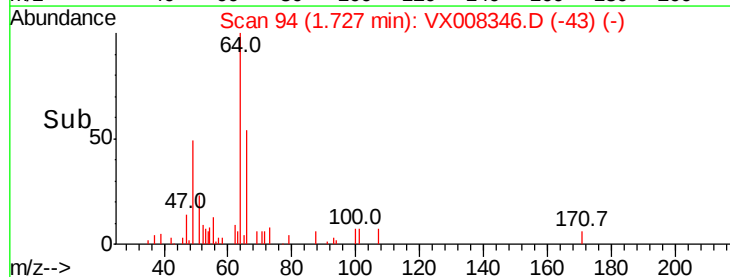
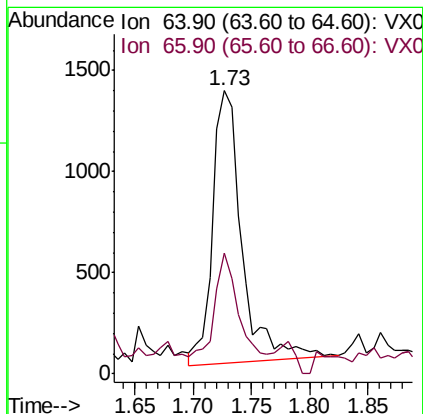
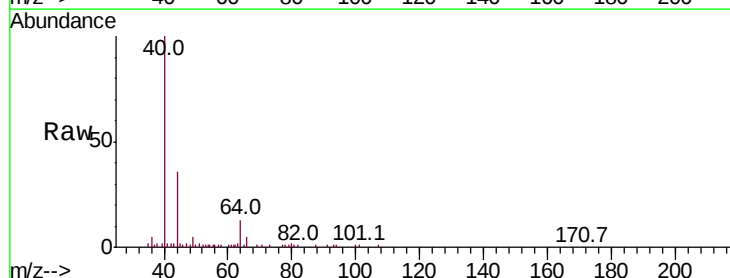
Acq: 23 Mar 2019 13:07

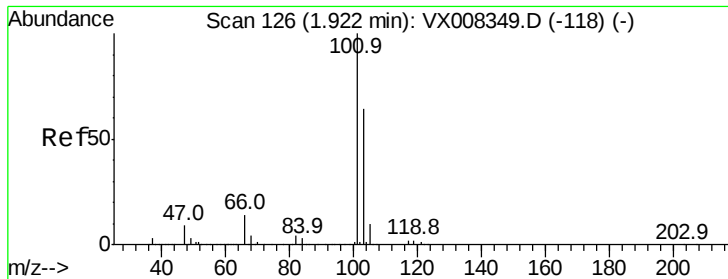
Tgt Ion: 64 Resp: 2329

Ion Ratio Lower Upper

64 100

66 39.1 25.2 37.8#





#7

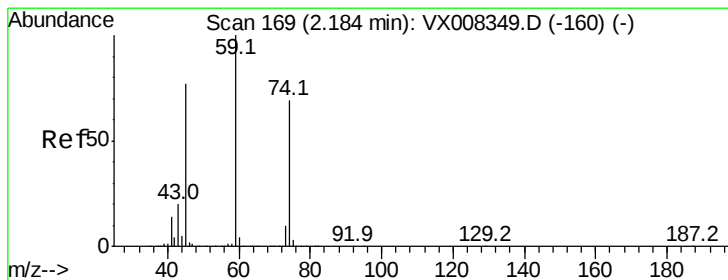
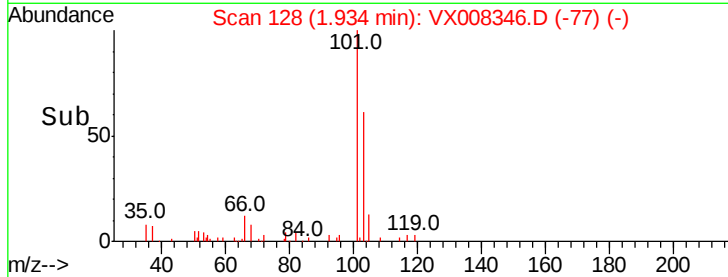
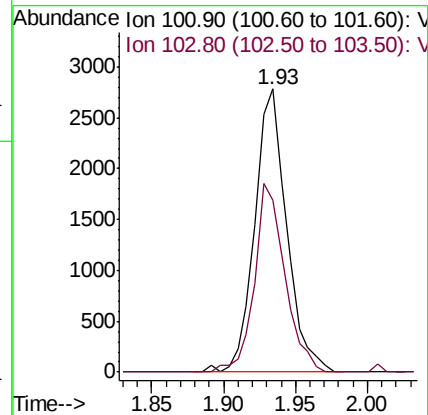
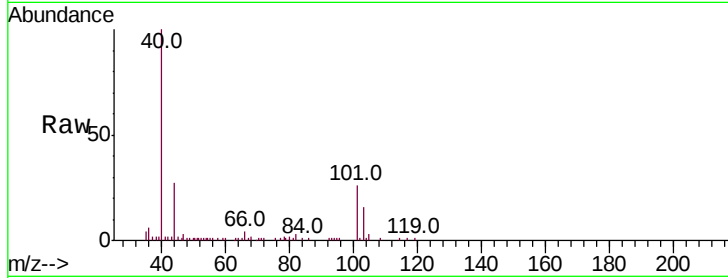
Trichlorofluoromethane
Concen: 1.054 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

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Tot Ion:101 Resp: 4245
Ion Ratio Lower Upper
101 100
103 61.0 50.4 75.6

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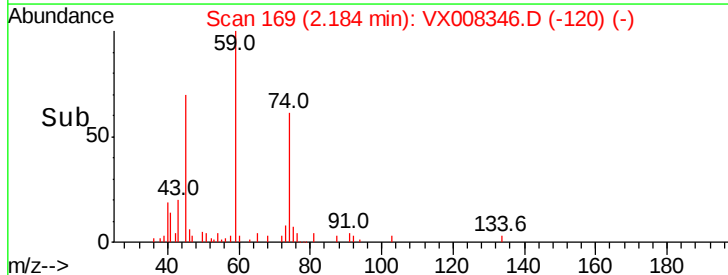
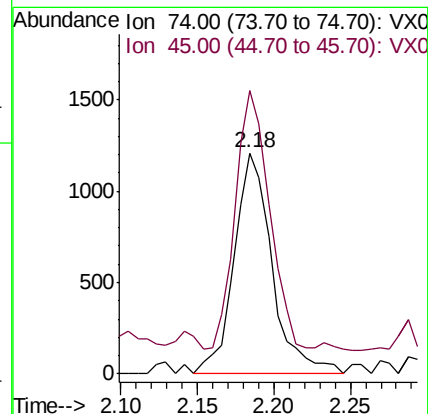
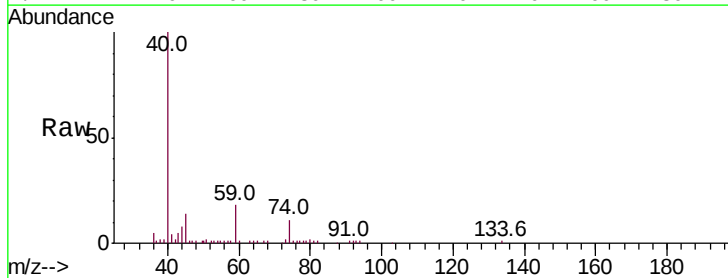
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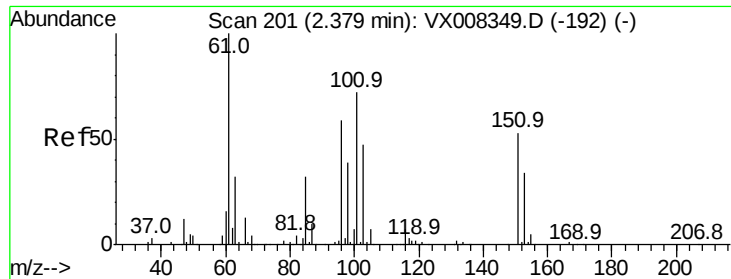


#8

Diethyl Ether
Concen: 1.001 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion: 74 Resp: 2075
Ion Ratio Lower Upper
74 100
45 104.5 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.925 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008346.D

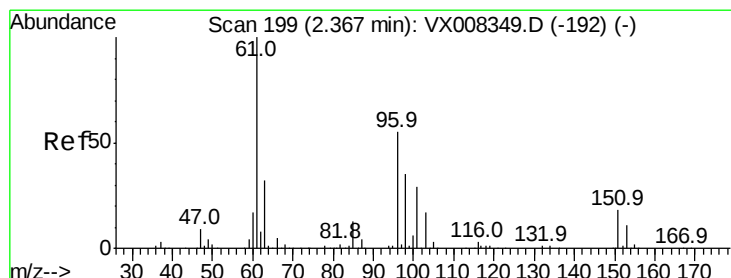
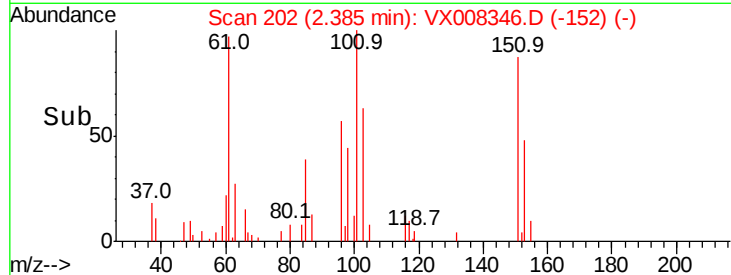
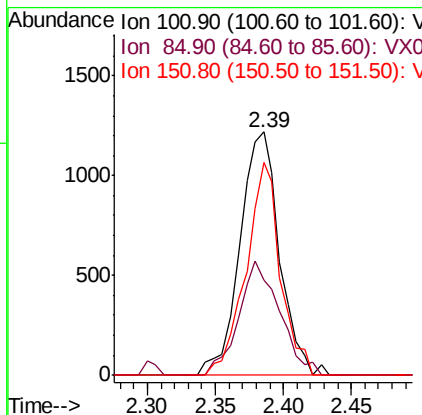
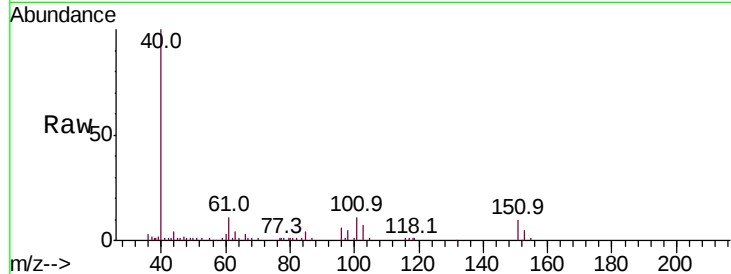
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Tot Ion	Ratio	Lower	Upper
101	100		
85	48.7	33.8	50.6
151	76.4	69.1	103.7

Manual Integrations
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3/25/2019 11:16:33 AM



#12

1,1-Dichloroethene

Concen: 1.008 ug/l

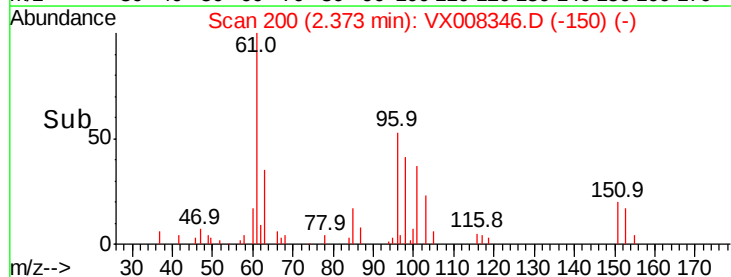
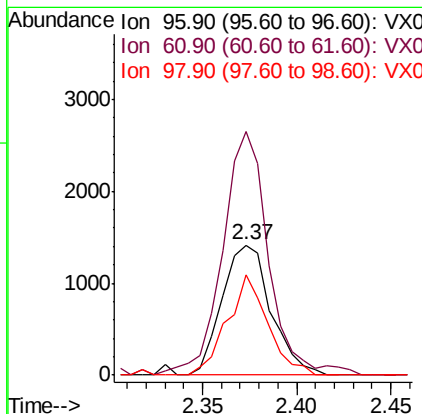
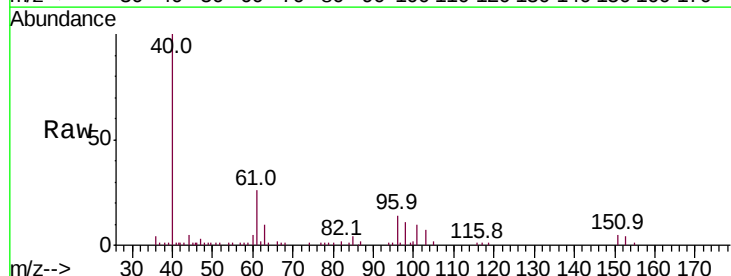
RT: 2.37 min Scan# 200

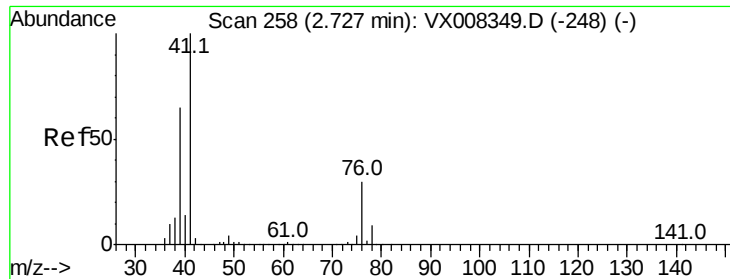
Delta R.T. 0.01 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.8	129.8	194.6
98	76.8	51.0	76.6#





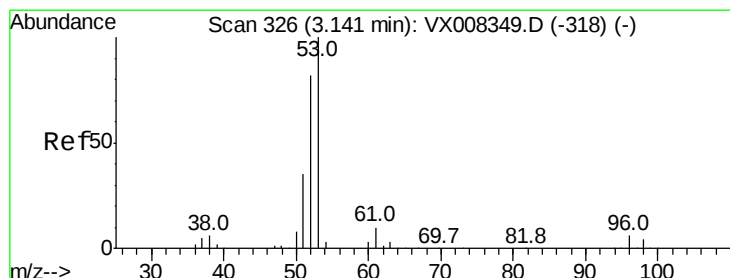
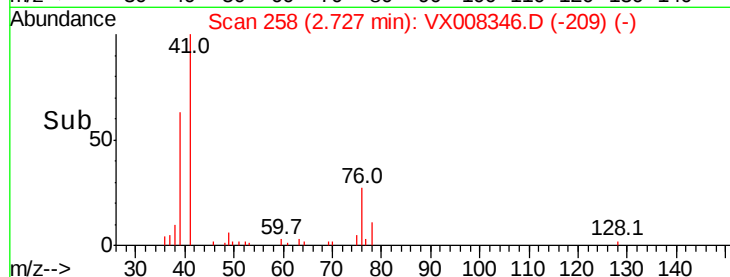
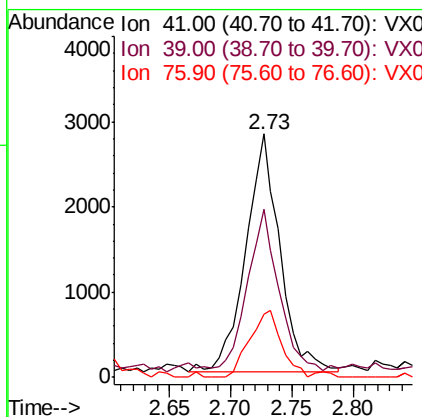
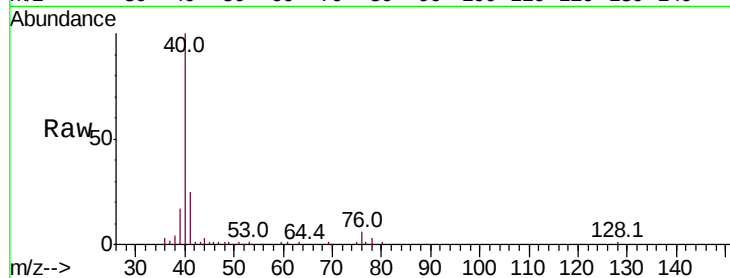
#14
Allvl chloride
Concen: 0.995 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	5468
Ion	Ratio	Lower	Upper
41	100		
39	61.6	46.1	69.1
76	26.0	24.0	36.0

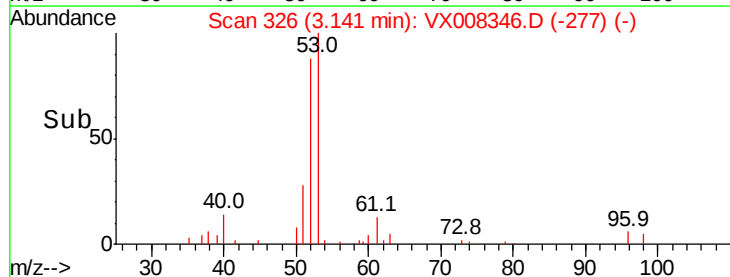
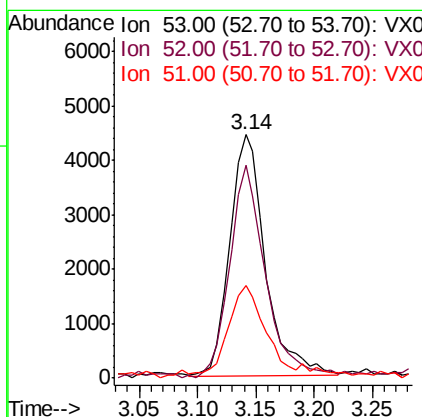
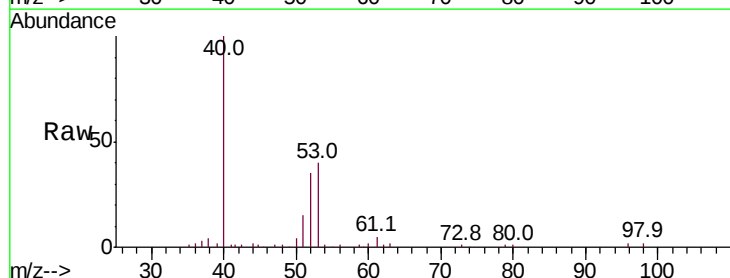
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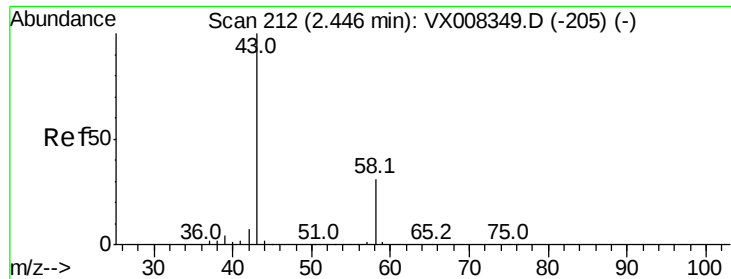
MMDadoda
3/25/2019 11:16:33 AM



#15
Acrylonitrile
Concen: 5.299 ug/l
RT: 3.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion:	53	Resp:	9403
Ion	Ratio	Lower	Upper
53	100		
52	91.3	66.0	99.0
51	36.0	28.0	42.0





#16

Acetone

Concen: 4.934 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 8770

Ion Ratio Lower Upper

43 100

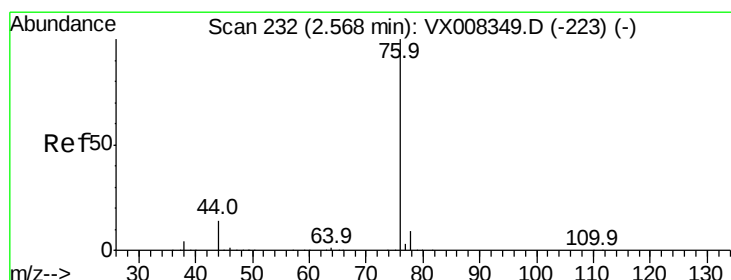
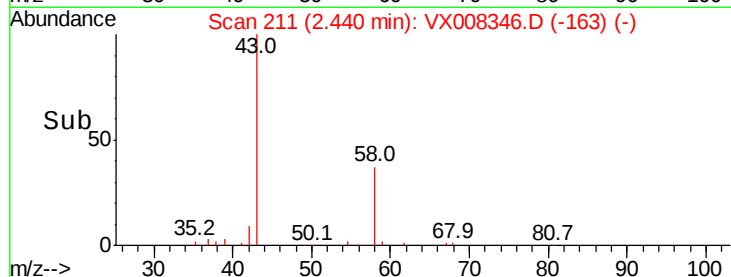
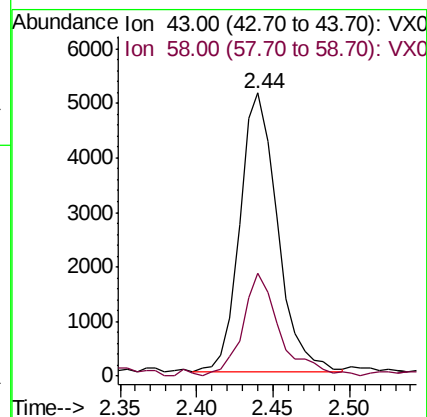
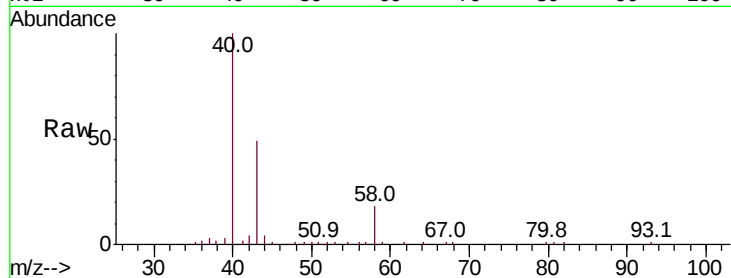
58 35.6 25.5 38.3

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#17

Carbon Disulfide

Concen: 1.175 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008346.D

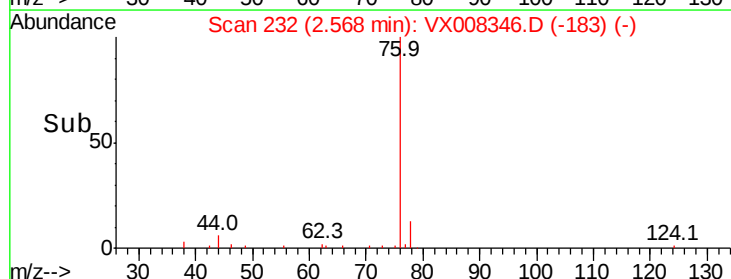
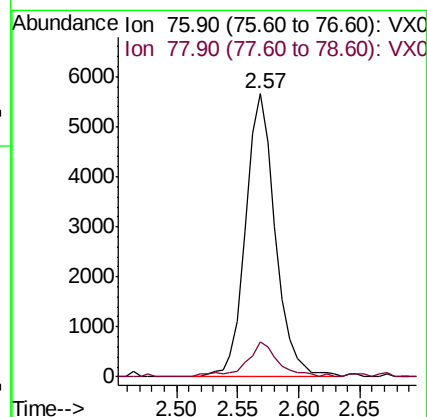
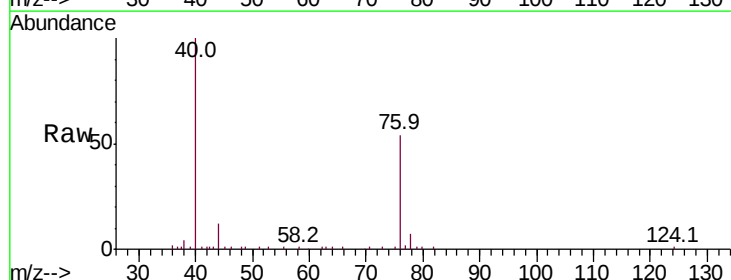
Acq: 23 Mar 2019 13:07

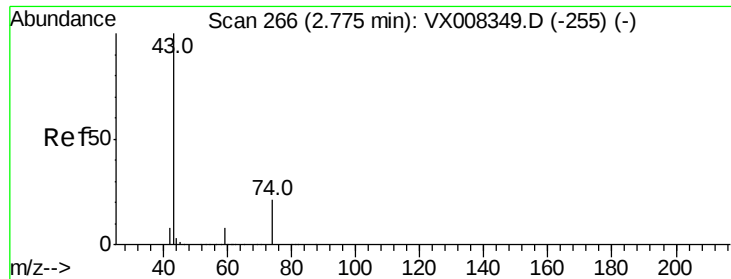
Tgt Ion: 76 Resp: 9567

Ion Ratio Lower Upper

76 100

78 12.5 7.2 10.8#





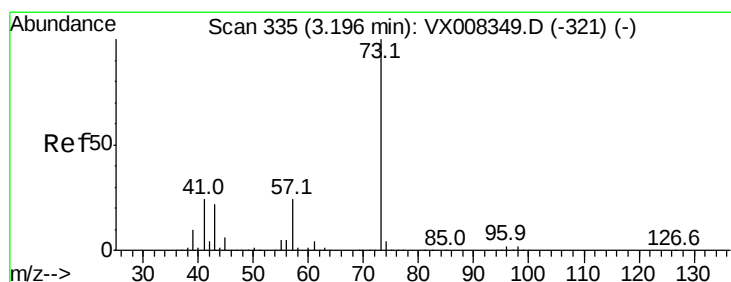
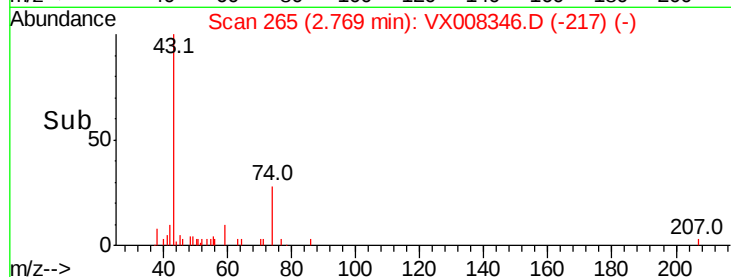
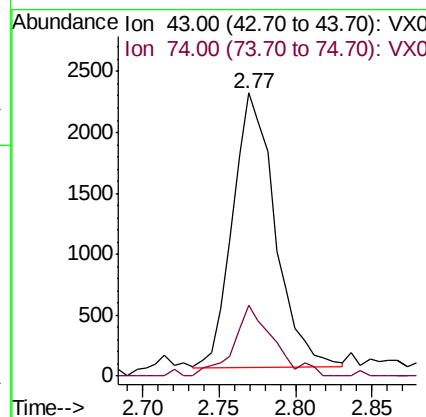
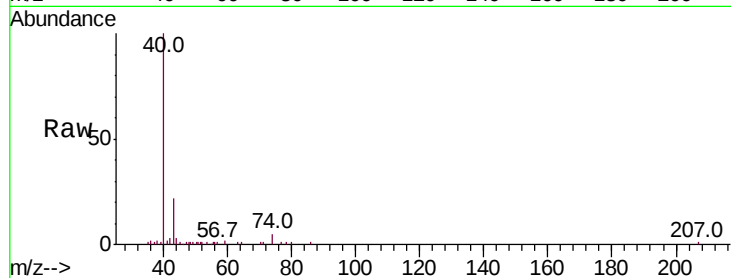
#18
Methyl Acetate
Concen: 1.060 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 4363
Ion Ratio Lower Upper
43 100
74 24.3 17.8 26.6

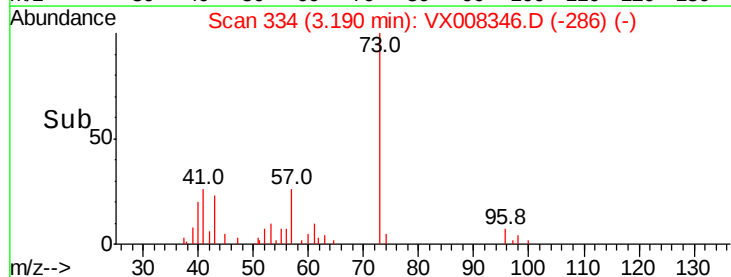
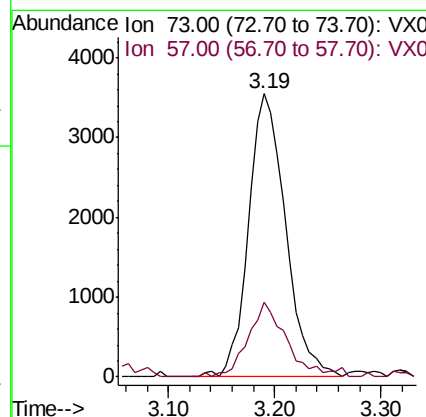
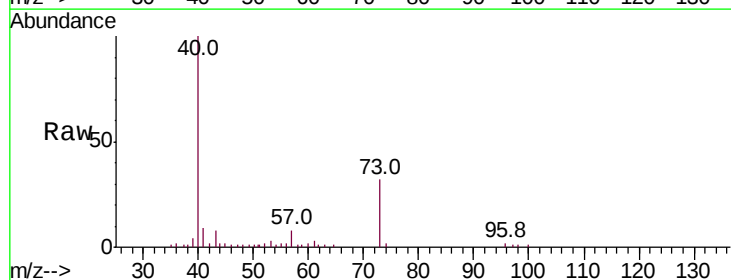
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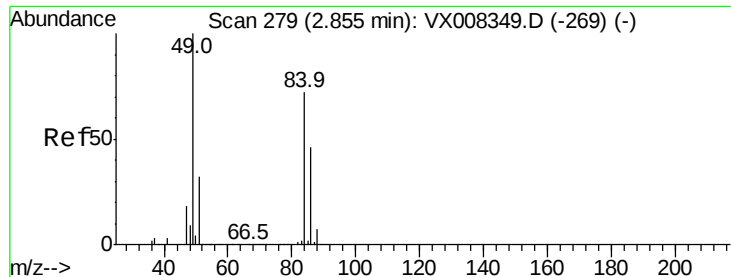
MMDadoda
3/25/2019 11:16:33 AM



#19
Methyl tert-butyl Ether
Concen: 0.950 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion: 73 Resp: 8669
Ion Ratio Lower Upper
73 100
57 26.4 18.2 27.4





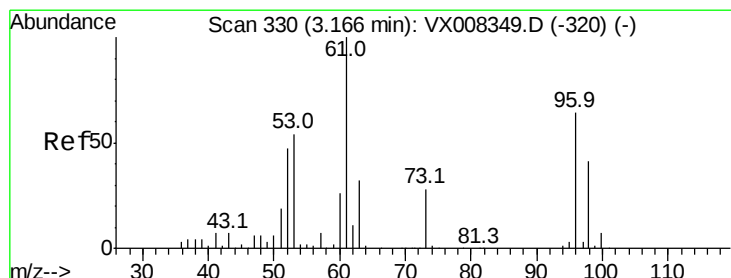
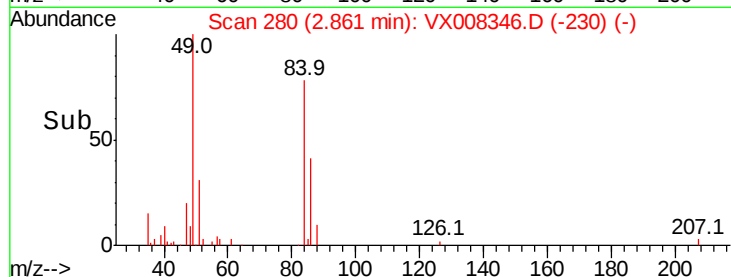
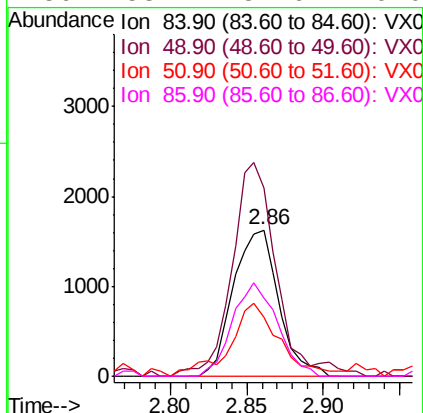
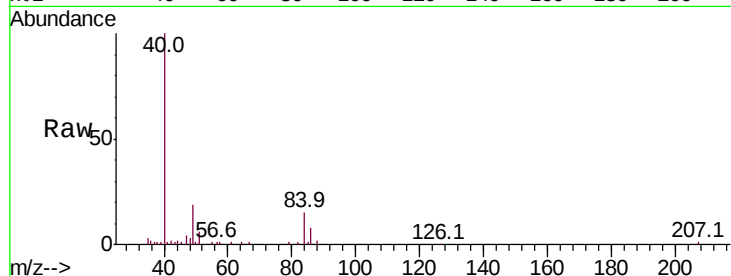
#20
Methvlene Chloride
Concen: 1.127 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	3340
Ion	Ratio	Lower	Upper
84	100		
49	122.6	99.3	148.9
51	36.5	31.3	46.9
86	53.2	52.6	79.0

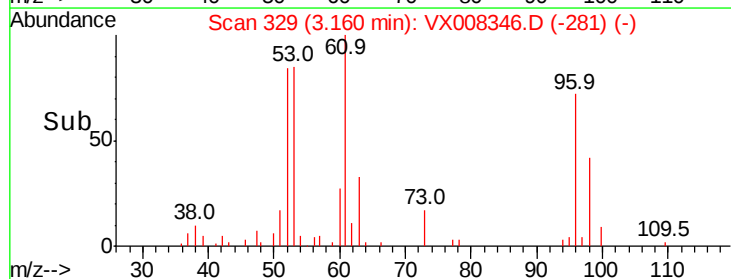
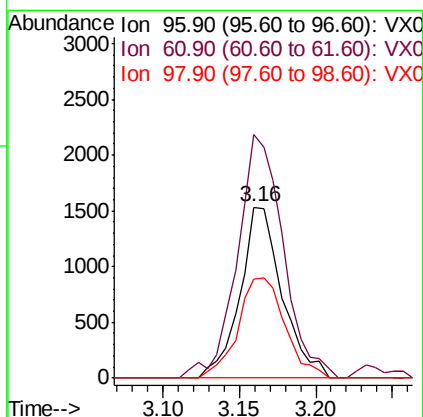
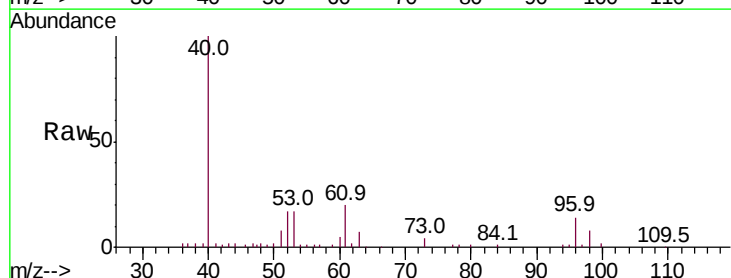
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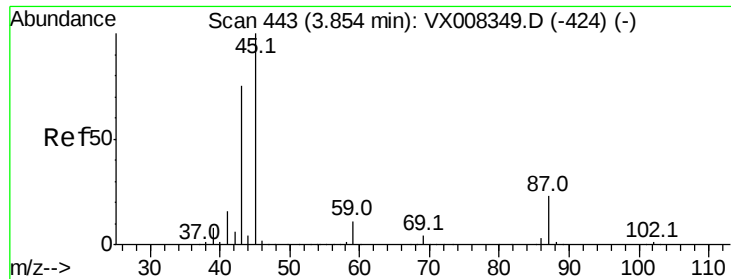
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 1.075 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion:	96	Resp:	2933
Ion	Ratio	Lower	Upper
96	100		
61	142.3	114.4	171.6
98	58.0	51.1	76.7





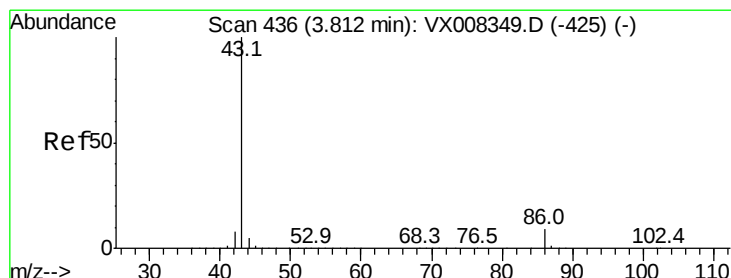
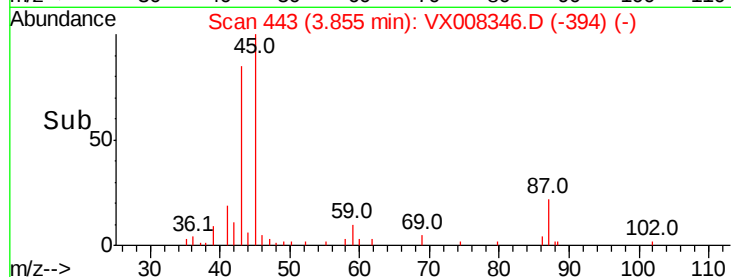
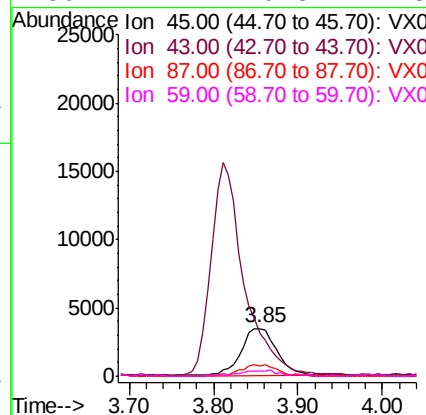
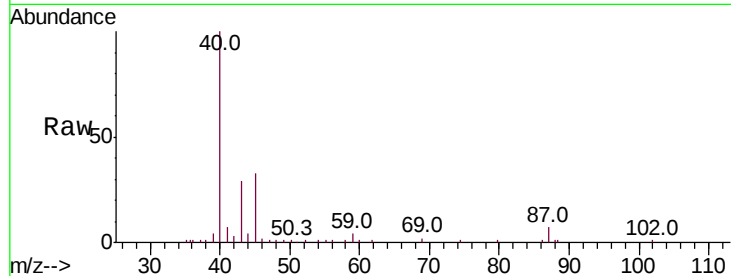
#22
Diisopropyl ether
Concen: 0.938 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	45	Resp:	10094
Ion Ratio	Lower	Upper	
45	100		
43	84.7	45.3	67.9#
87	22.9	21.4	32.0
59	12.1	9.5	14.3

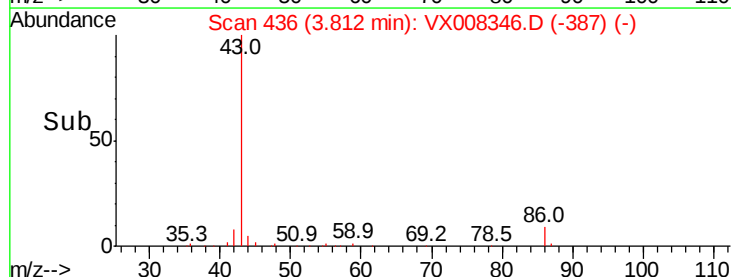
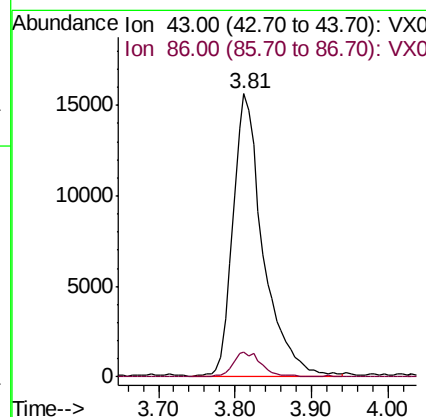
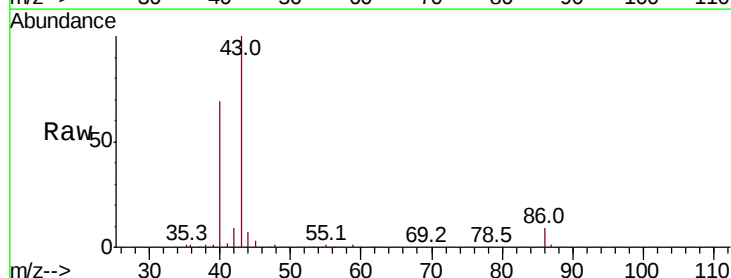
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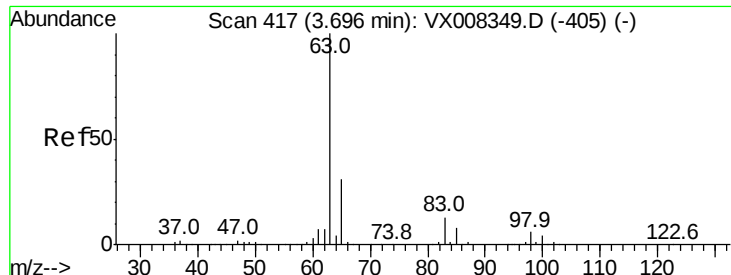
MMDadoda
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#23
Vinyl Acetate
Concen: 4.571 ug/l
RT: 3.81 min Scan# 436
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion:	43	Resp:	42186
Ion Ratio	Lower	Upper	
43	100		
86	8.6	7.9	11.9





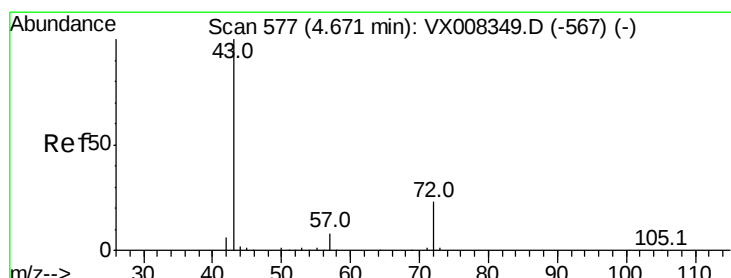
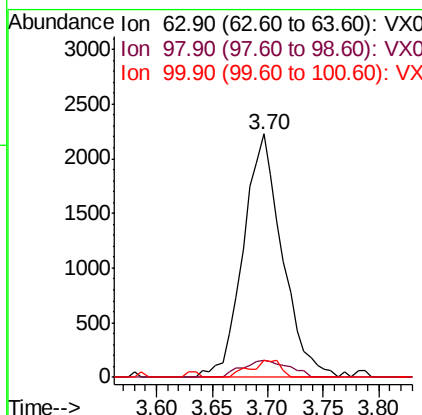
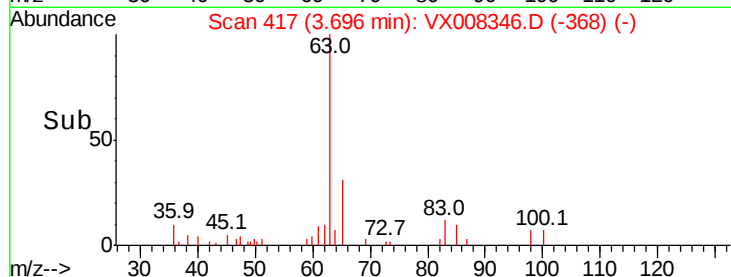
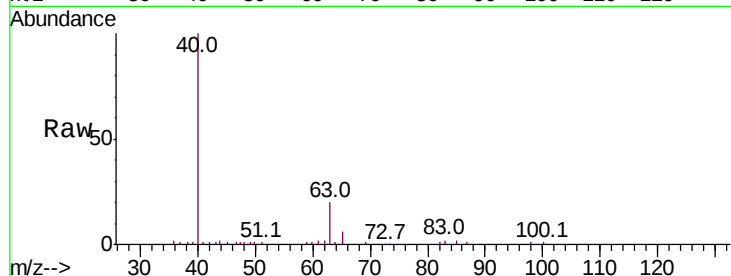
#24
 1,1-Dichloroethane
 Concen: 0.977 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	5410
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.3	9.8
100	7.2	2.3	6.8#

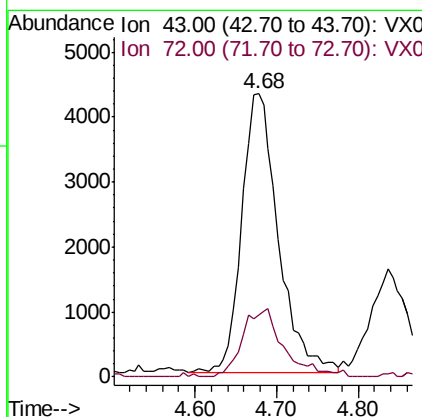
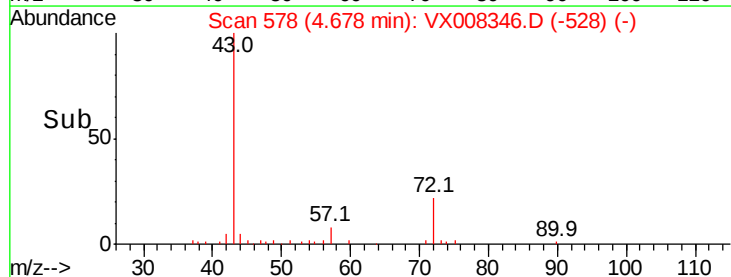
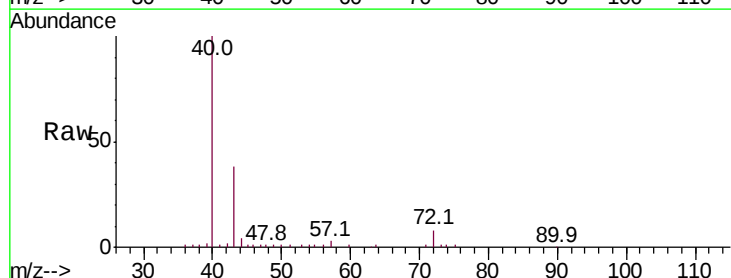
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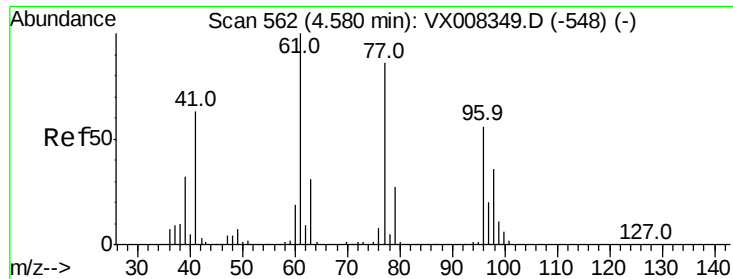
MMDadoda
 3/25/2019 11:16:33 AM



#25
 2-Butanone
 Concen: 5.095 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Tgt Ion:	43	Resp:	13368
Ion Ratio	Lower	Upper	
43	100		
72	22.0	19.9	29.9





#26

2,2-Dichloropropane

Concen: 0.752 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 3135

Ion Ratio Lower Upper

77 100

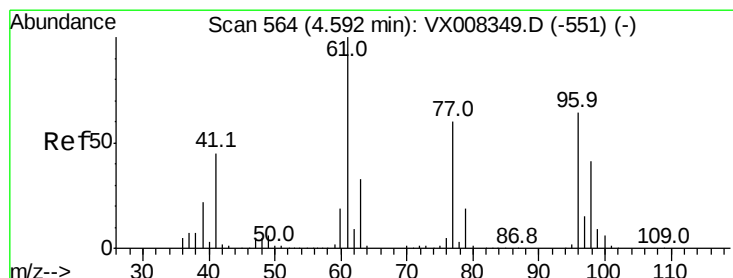
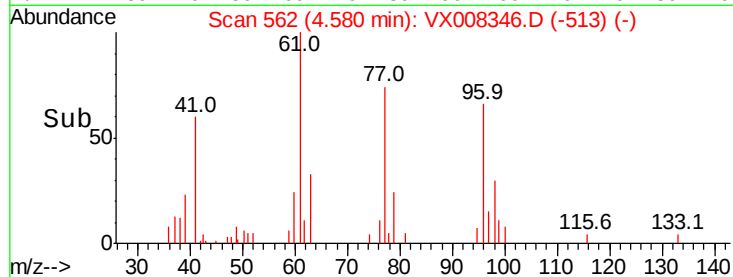
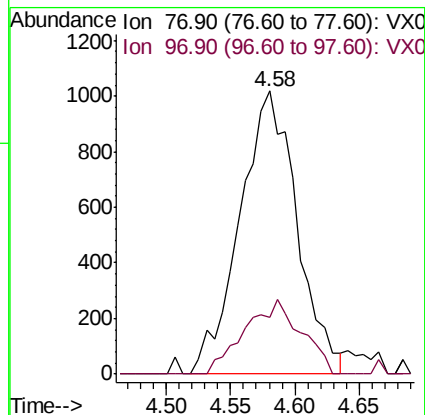
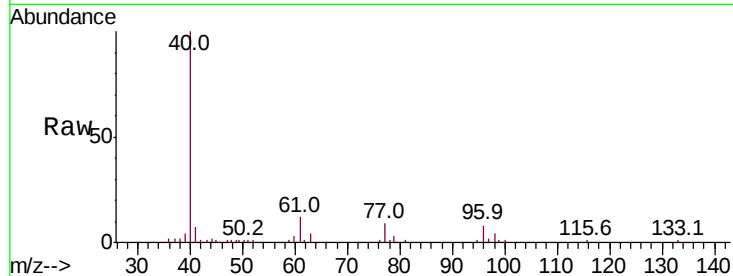
97 26.0 12.2 36.6

Manual Integrations

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#27

cis-1,2-Dichloroethene

Concen: 1.031 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

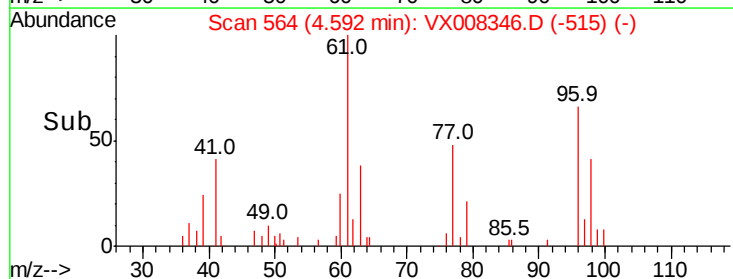
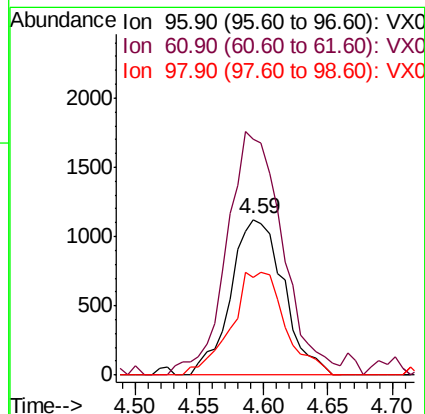
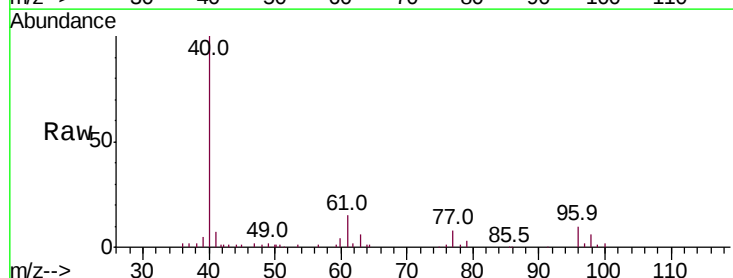
Tgt Ion: 96 Resp: 3206

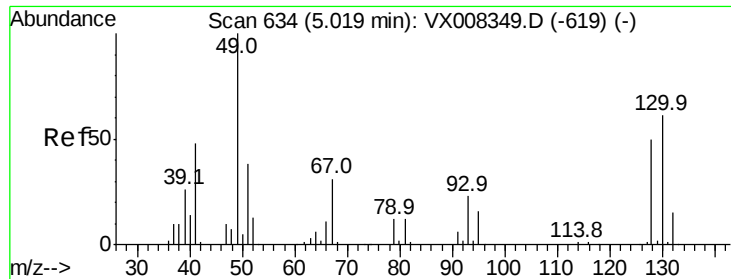
Ion Ratio Lower Upper

96 100

61 165.2 0.0 288.0

98 67.4 0.0 129.0





#28

Bromochloromethane

Concen: 1.256 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

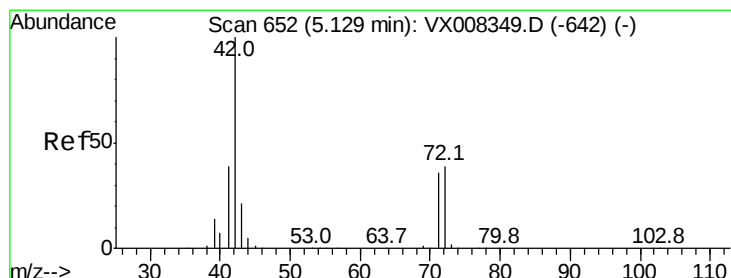
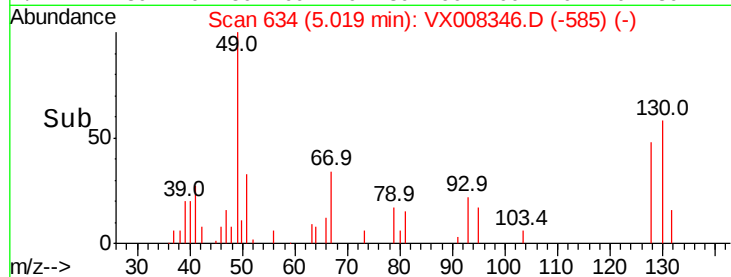
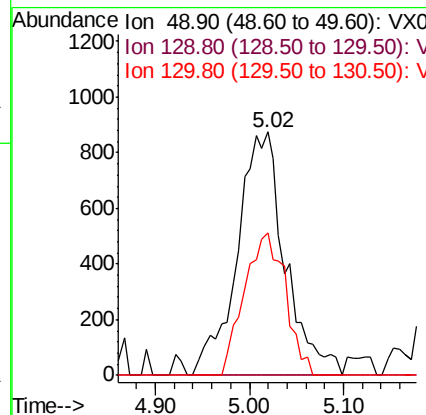
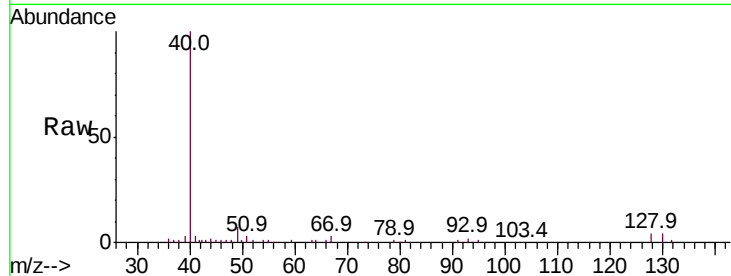
VSTDIC001

Tot Ion: 49 Resp: 3122

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	50.0	65.0	97.4#

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#29

Tetrahydrofuran

Concen: 5.455 ug/l

RT: 5.14 min Scan# 654

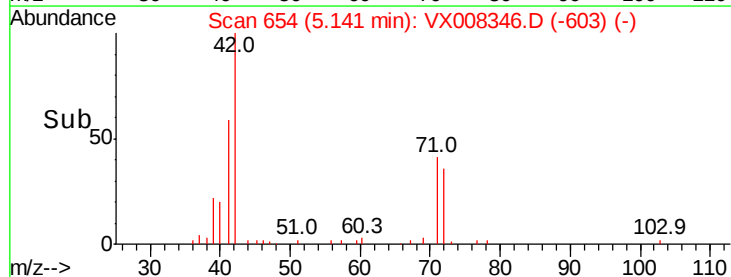
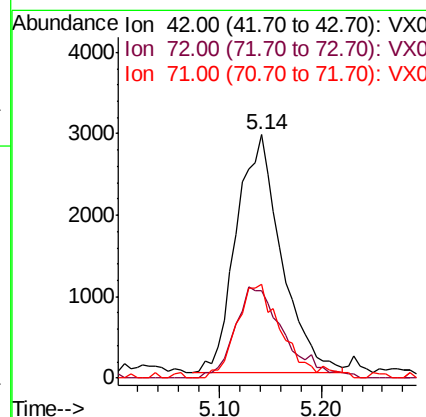
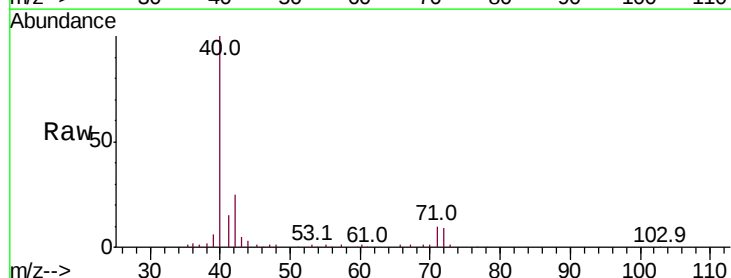
Delta R.T. 0.01 min

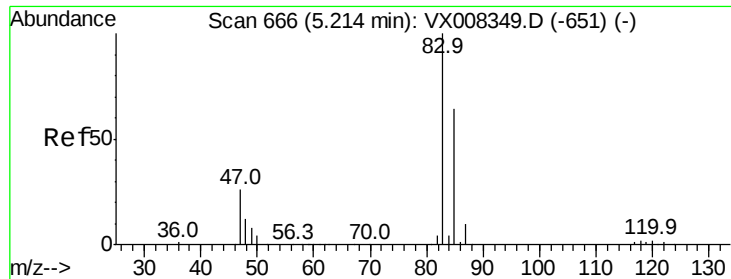
Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion: 42 Resp: 8947

Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.8	50.6
71	38.5	31.5	47.3





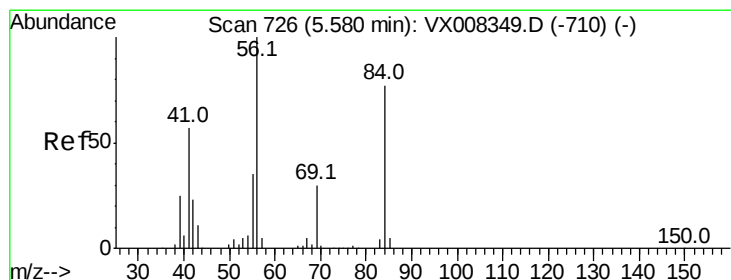
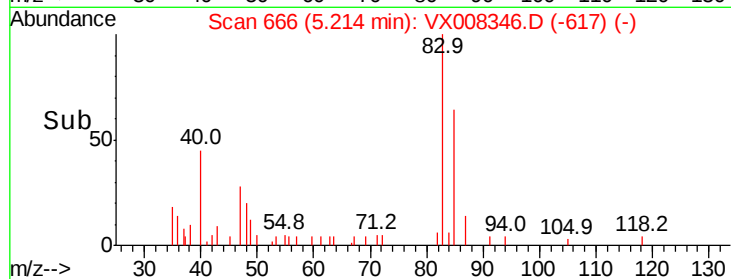
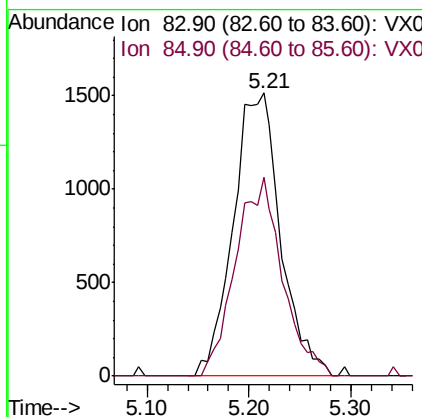
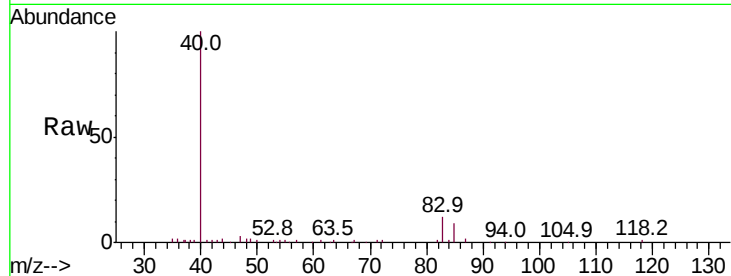
#30
Chloroform
Concen: 0.943 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 4883
Ion Ratio Lower Upper
83 100
85 70.5 51.8 77.6

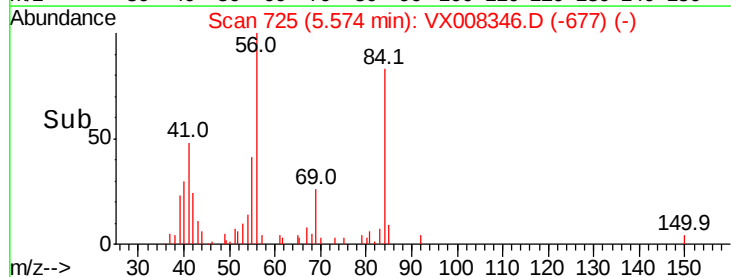
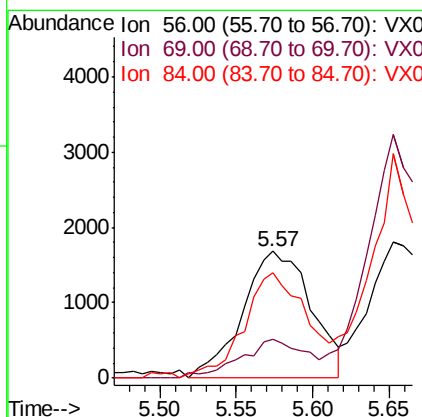
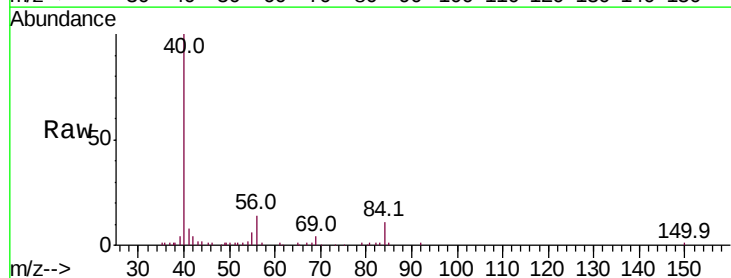
Manual Integrations
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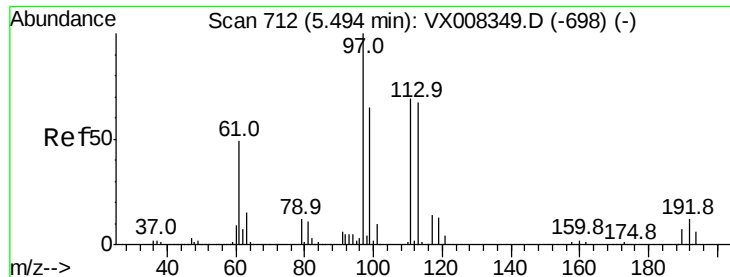
MMDadoda
3/25/2019 11:16:33 AM



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion: 56 Resp: 5243
Ion Ratio Lower Upper
56 100
69 25.7 24.0 36.0
84 78.8 65.3 97.9





#32

1,1,1-Trichloroethane

Concen: 0.857 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

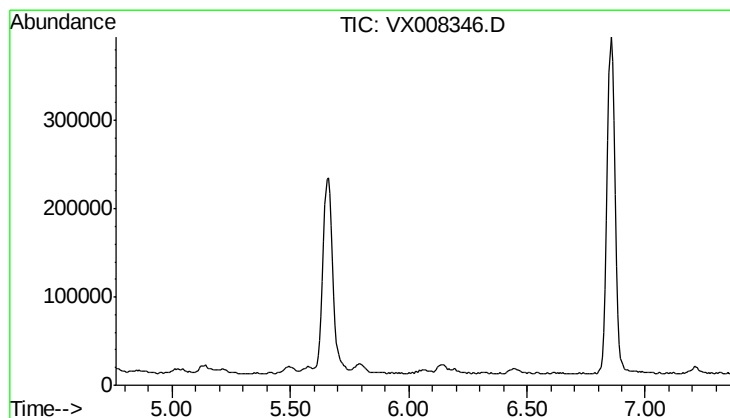
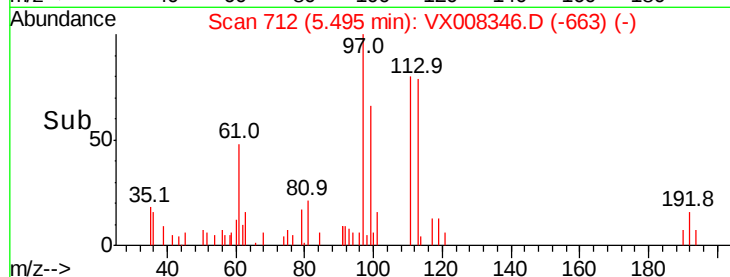
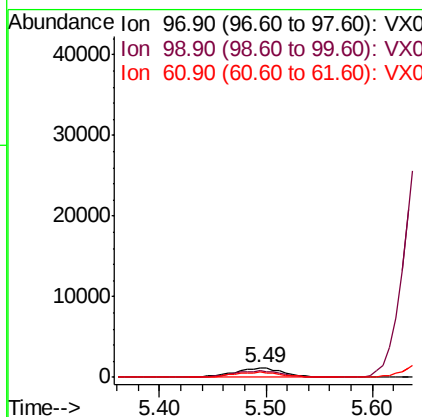
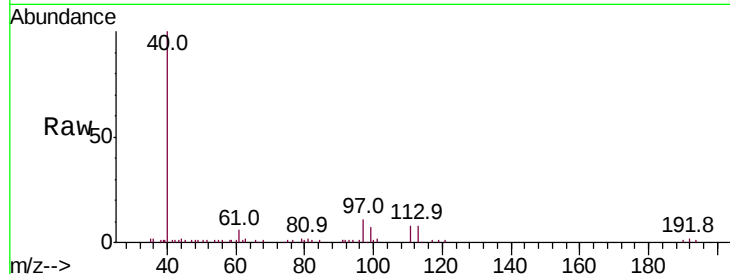
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.2#
61	60.7	34.9	52.3#

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.06 min

Lab File: VX008346.D

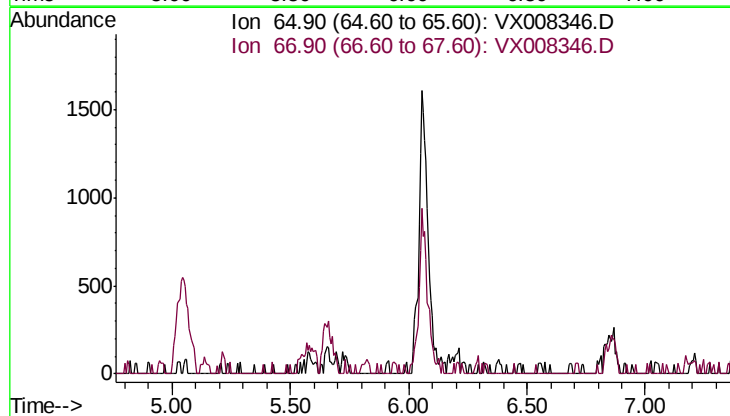
Acq: 23 Mar 2019 13:07

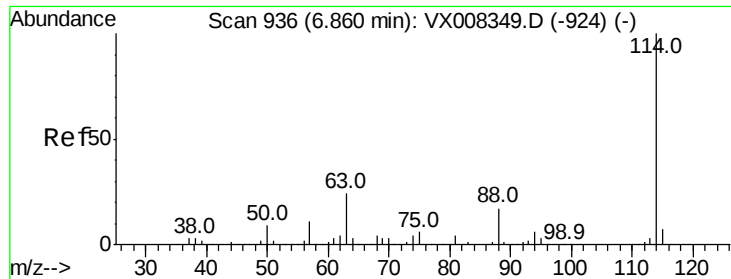
Tgt Ion: 65

Sig Exp Ratio

65 100

67 55.0





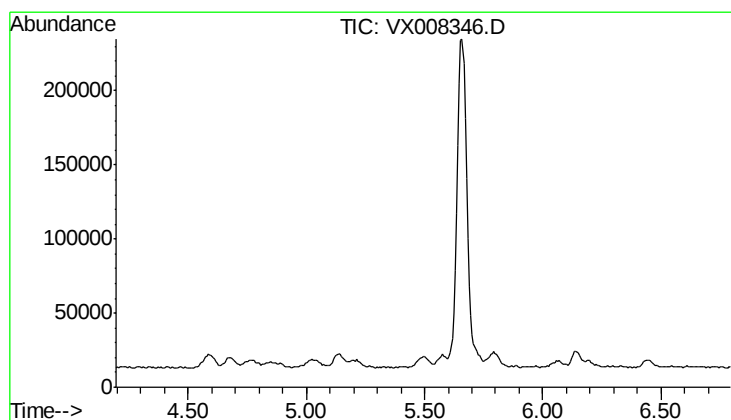
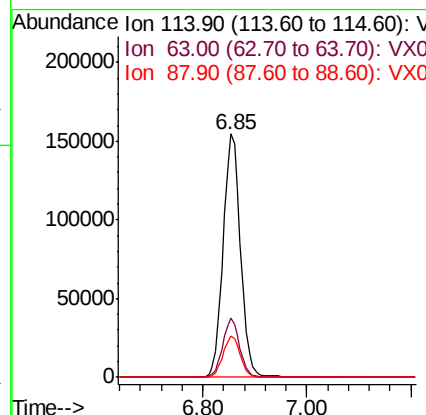
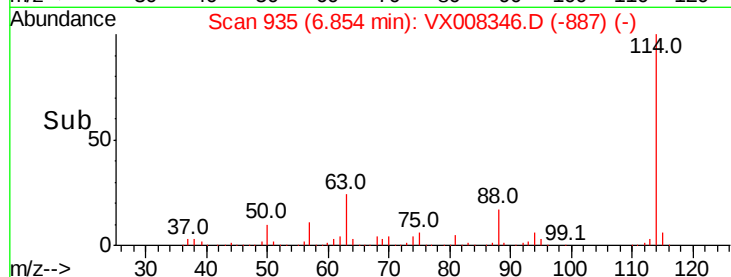
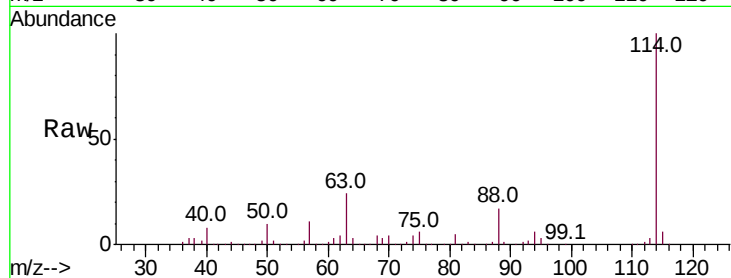
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	24.2	0.0	39.8
88	17.3	0.0	31.4

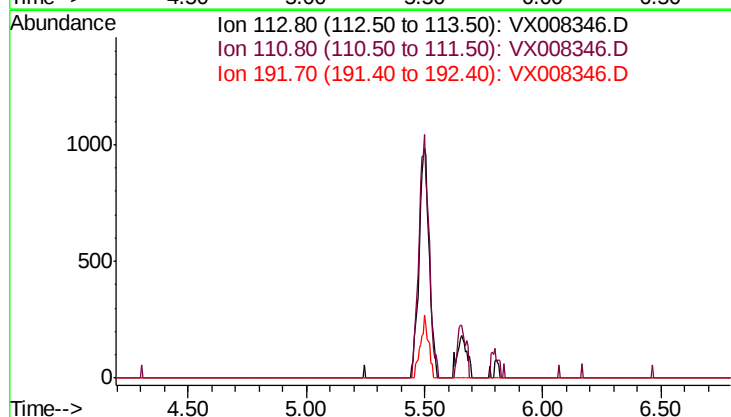
Manual Integrations
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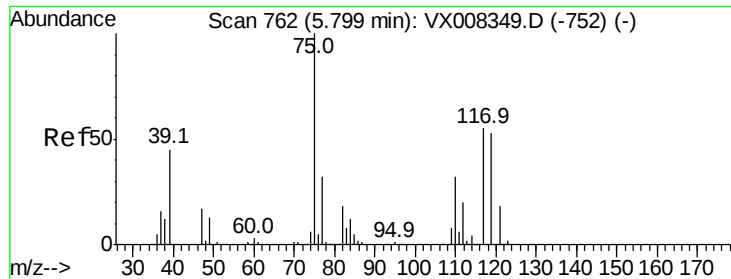
MMDadoda
 3/25/2019 11:16:33 AM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.49 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Tgt Ion	Exp Ratio
113	100
111	101.7
192	24.2





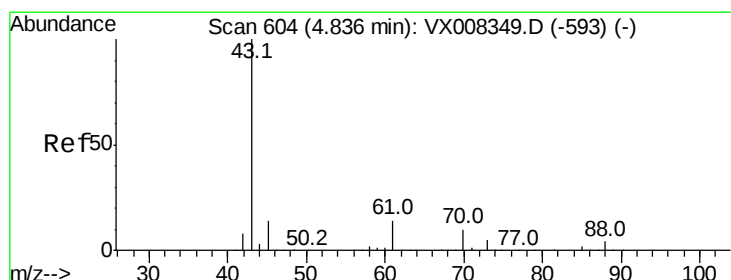
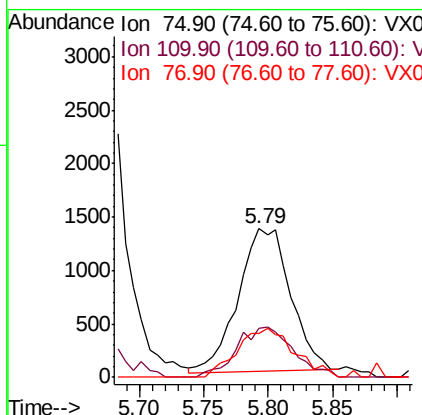
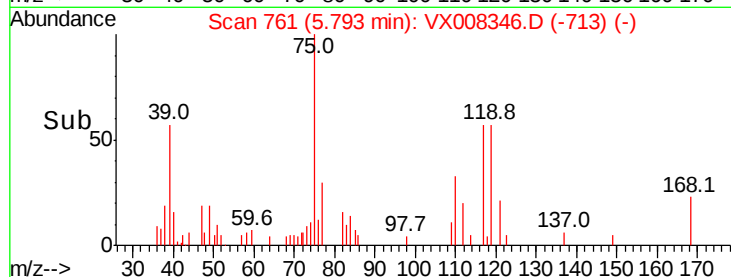
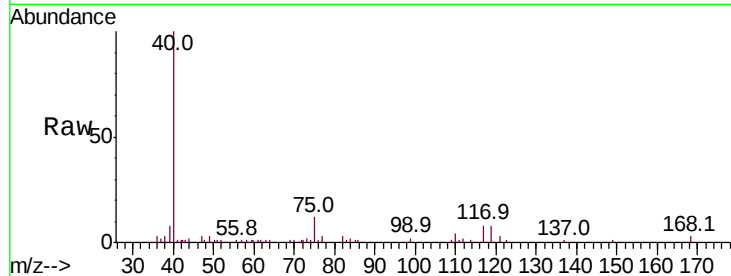
#36
 1,1-Dichloropropene
 Concen: 0.881 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.4	55.0
77	38.0	25.0	37.4

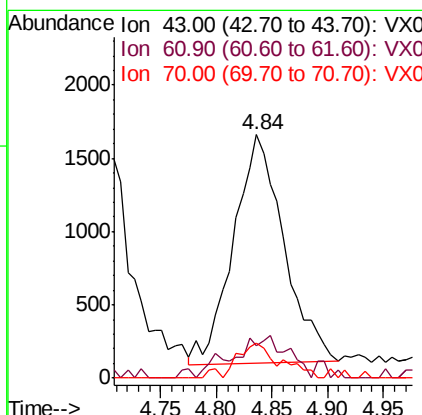
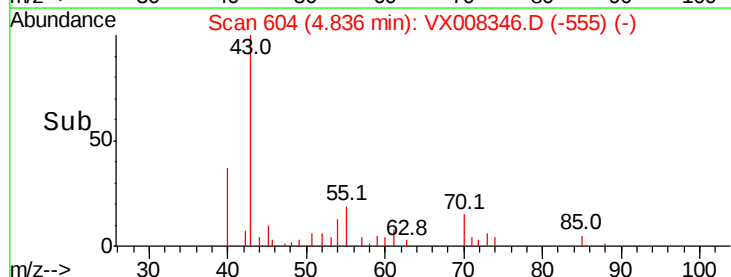
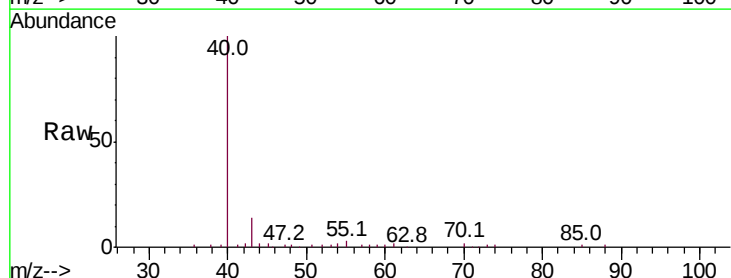
Manual Integrations
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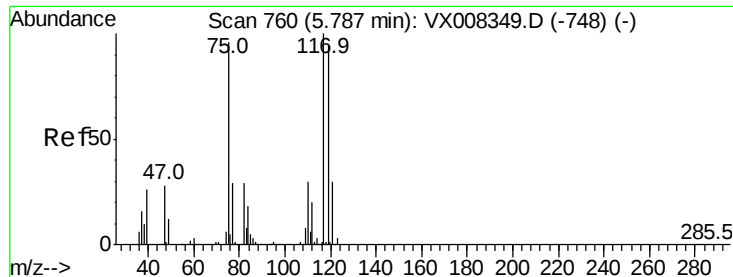
MMDadoda
 3/25/2019 11:16:33 AM



#37
 Ethyl Acetate
 Concen: 0.978 ug/l
 RT: 4.84 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.3	16.9
70	10.2	8.5	12.7





#38

Carbon Tetrachloride

Concen: 0.888 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

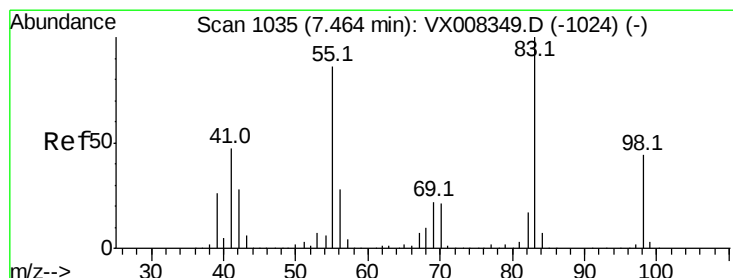
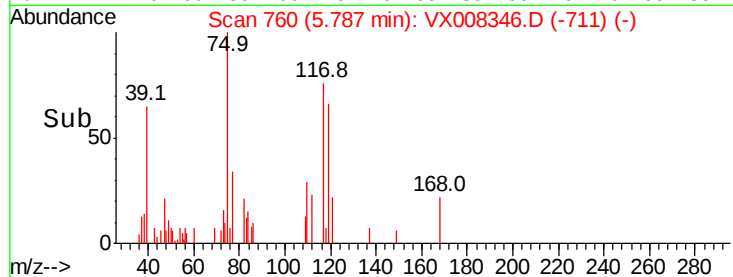
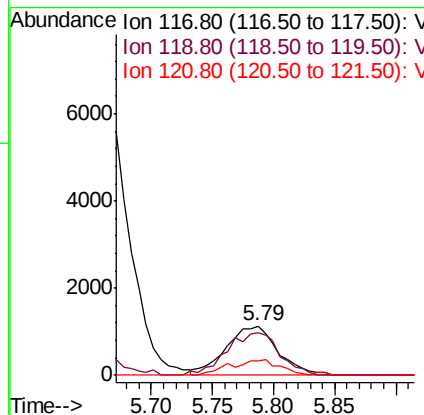
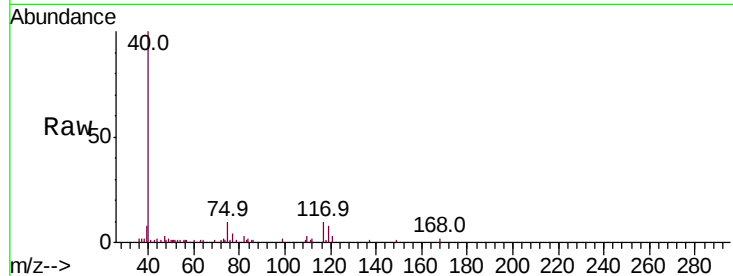
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	85.9	76.2	114.2
121	28.5	24.6	36.8

Manual Integrations
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3/25/2019 11:16:33 AM



#39

Methylcyclohexane

Concen: 0.894 ug/l

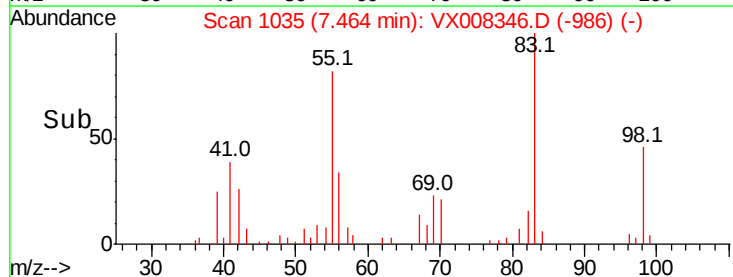
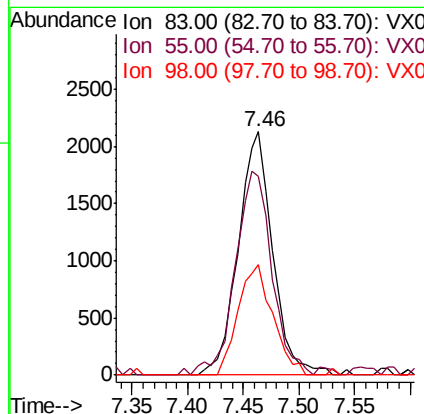
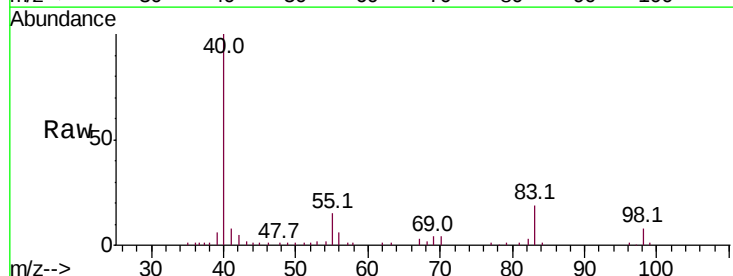
RT: 7.46 min Scan# 1035

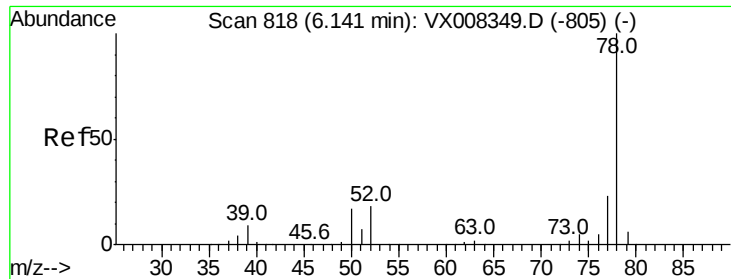
Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.7	60.4	90.6
98	45.6	36.5	54.7





#40

Benzene

Concen: 0.935 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 11758

Ion Ratio Lower Upper

78 100

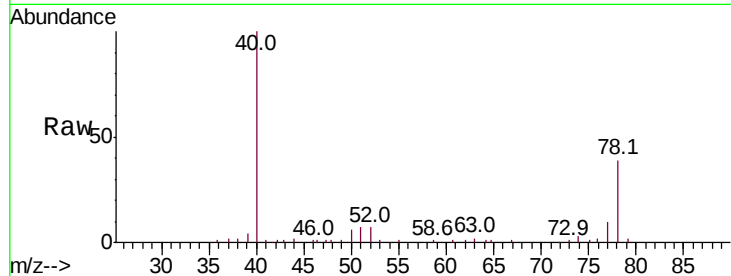
77 24.7 19.0 28.4

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

5000

4000

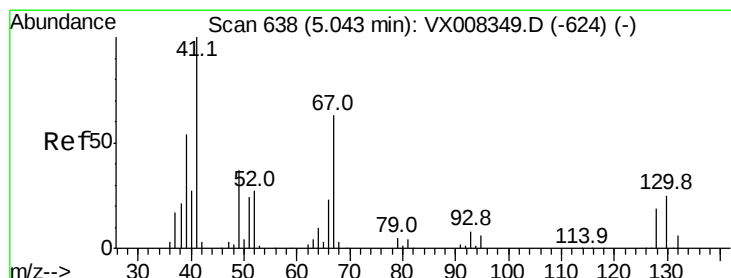
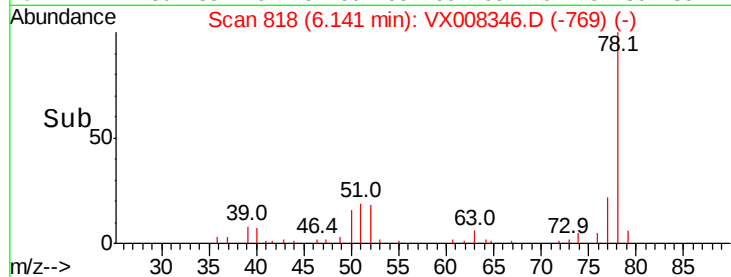
3000

2000

1000

0

Time-->



#41

Methacrylonitrile

Concen: 0.859 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion: 41 Resp: 2420

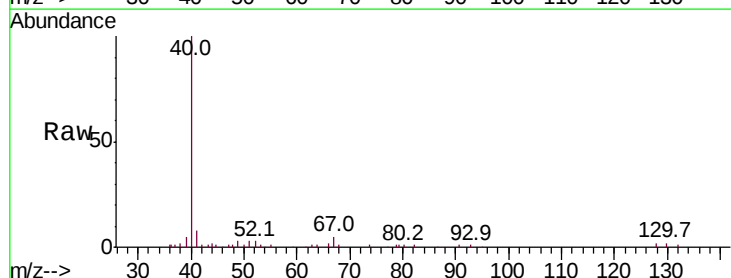
Ion Ratio Lower Upper

41 100

39 74.3 41.6 62.4#

67 79.6 55.8 83.6

52 49.5 21.7 32.5#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

2500

2000

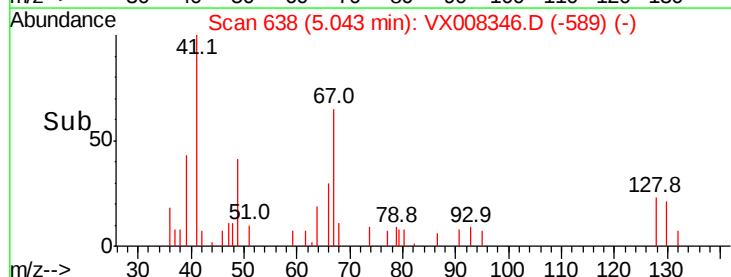
1500

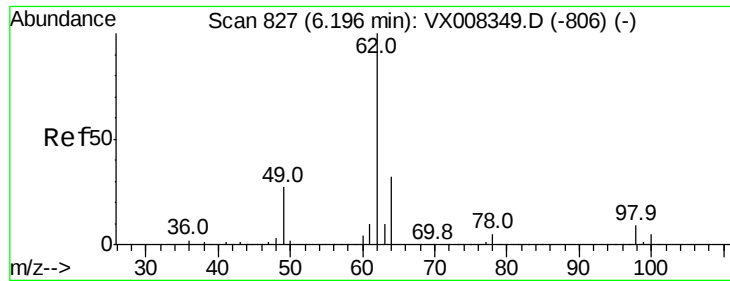
1000

500

0

Time-->





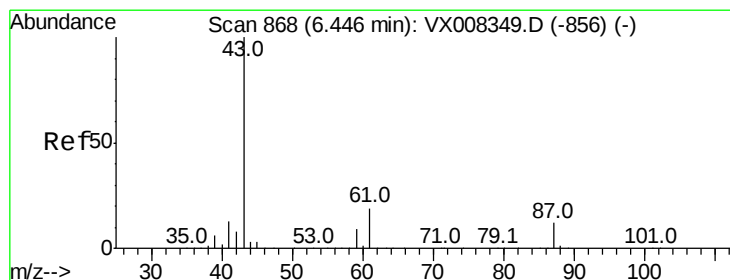
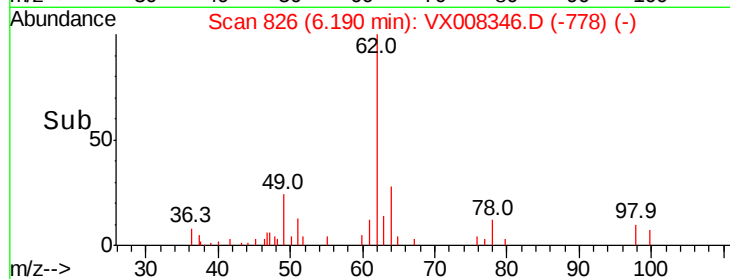
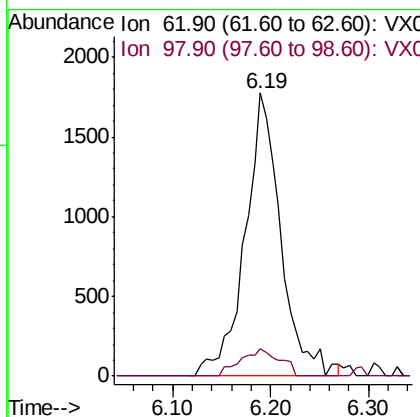
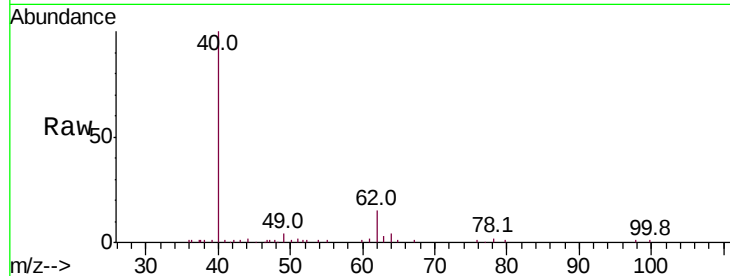
#42
 1,2-Dichloroethane
 Concen: 0.980 ug/l
 RT: 6.19 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.4

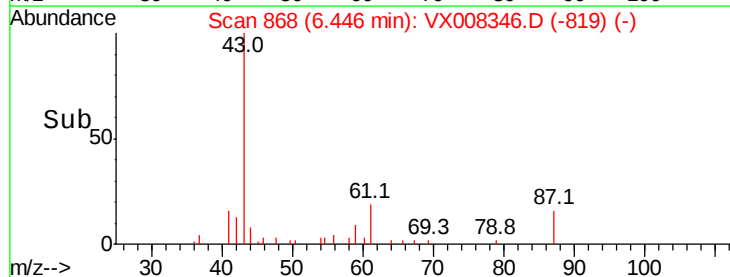
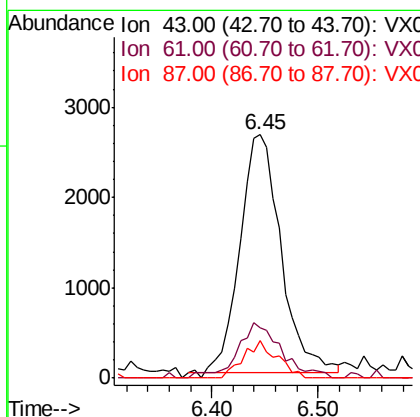
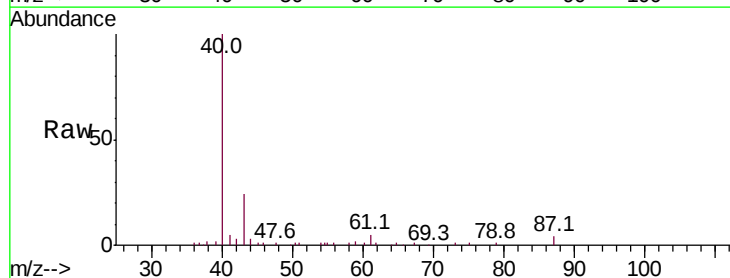
Manual Integrations
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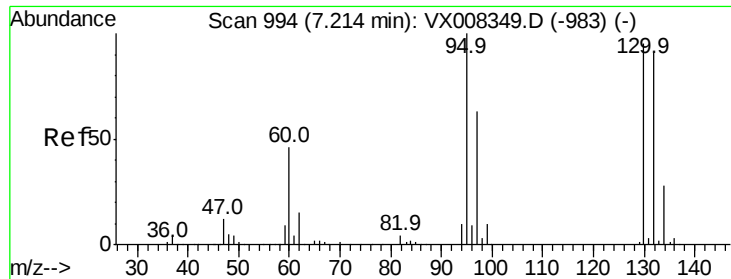
MMDadoda
 3/25/2019 11:16:33 AM



#43
 Isopropyl Acetate
 Concen: 0.884 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.7	16.3	24.5#
87	12.9	10.5	15.7





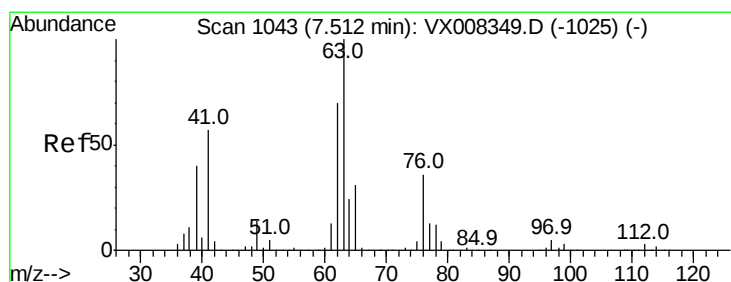
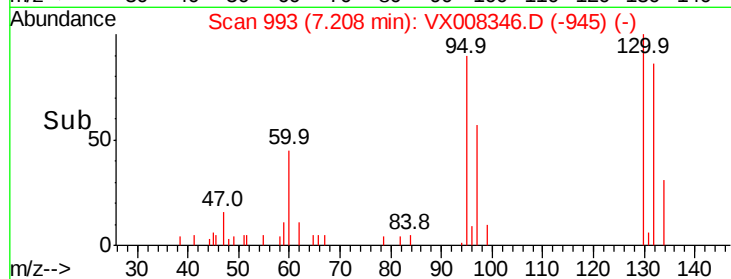
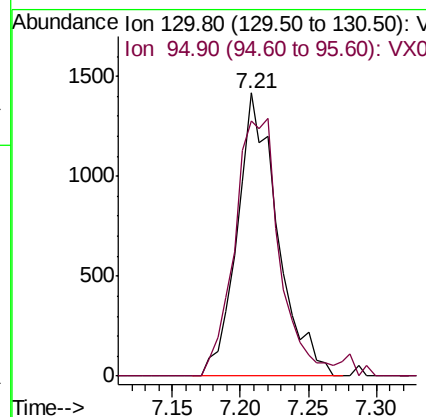
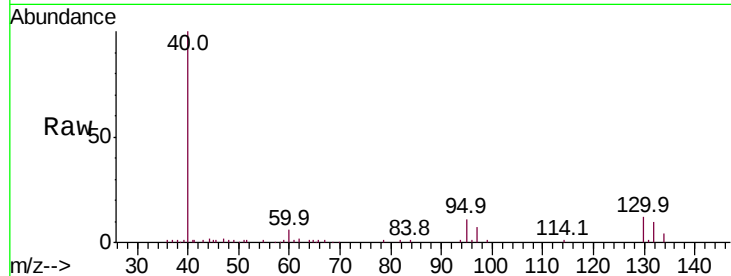
#44
 Trichloroethene
 Concen: 0.956 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 2940
 Ion Ratio Lower Upper
 130 100
 95 90.2 0.0 188.0

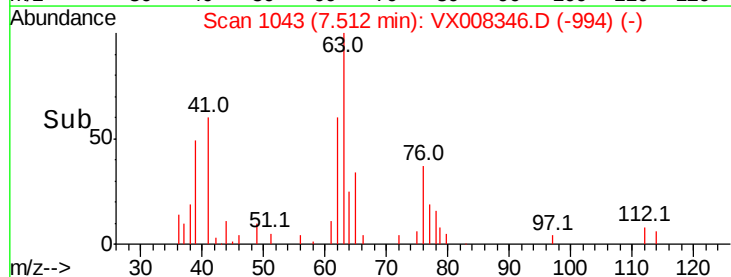
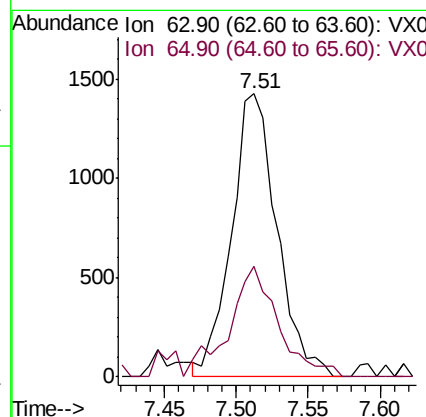
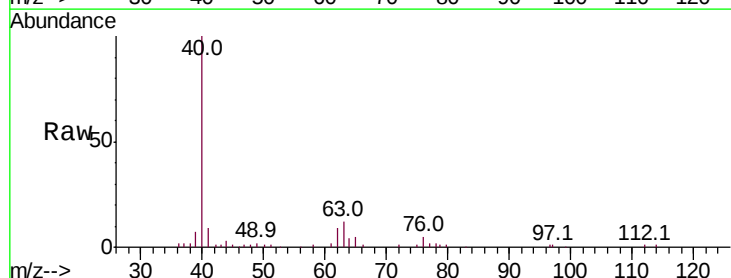
Manual Integrations
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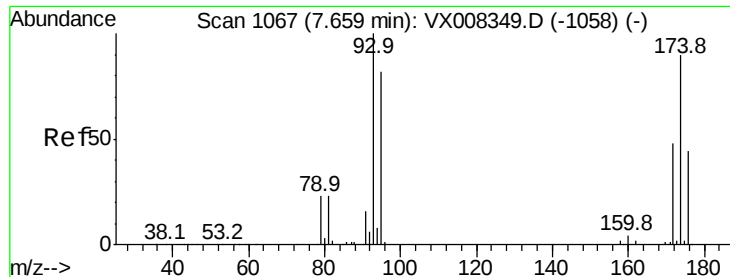
MMDadoda
 3/25/2019 11:16:33 AM



#45
 1,2-Dichloropropane
 Concen: 0.889 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Tgt Ion: 63 Resp: 3128
 Ion Ratio Lower Upper
 63 100
 65 39.1 24.7 37.1#





#46

Dibromomethane

Concen: 1.010 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

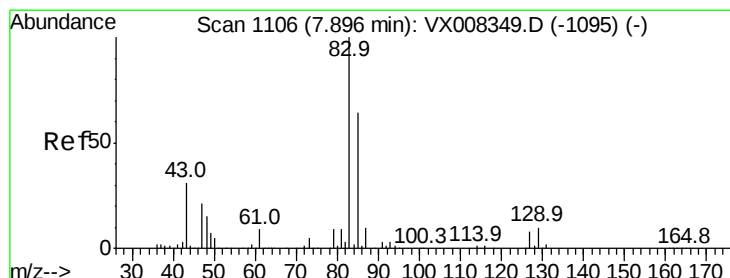
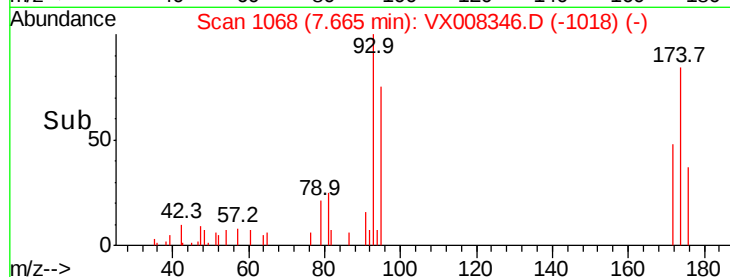
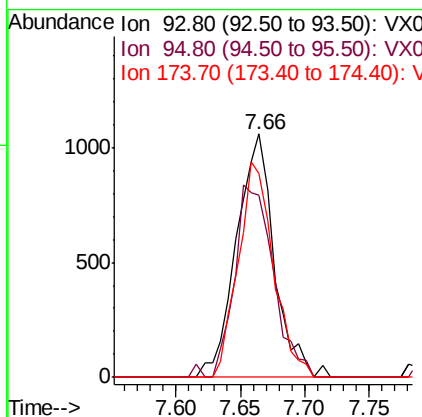
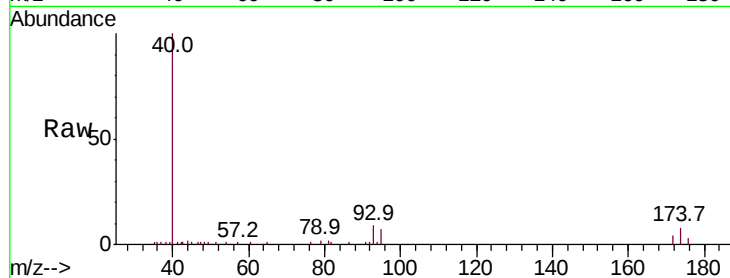
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	81.1	66.8	100.2
174	82.5	97.3	145.9#

Manual Integrations
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MMDadoda
3/25/2019 11:16:33 AM



#47

Bromodichloromethane

Concen: 0.877 ug/l

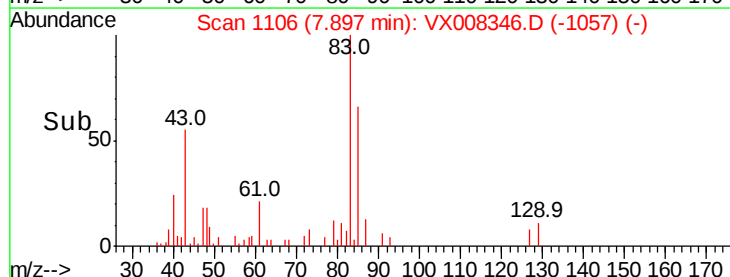
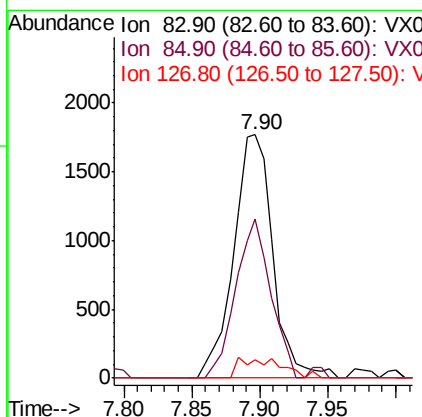
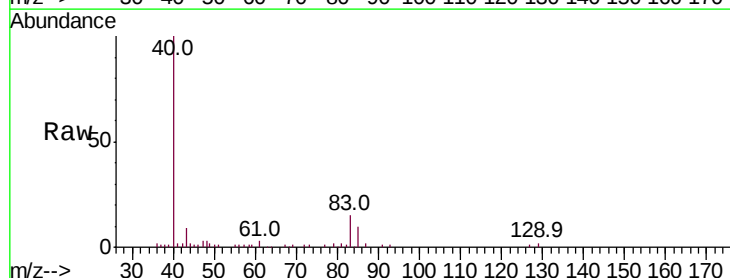
RT: 7.90 min Scan# 1106

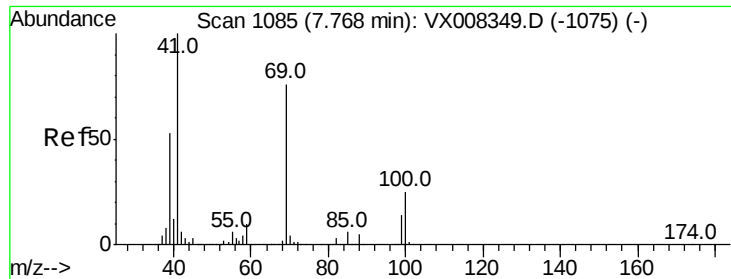
Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.9	76.3
127	7.7	7.4	11.0





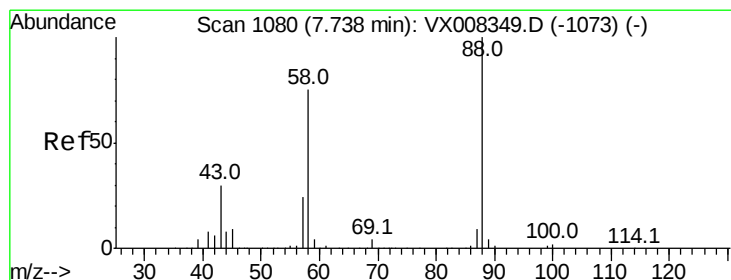
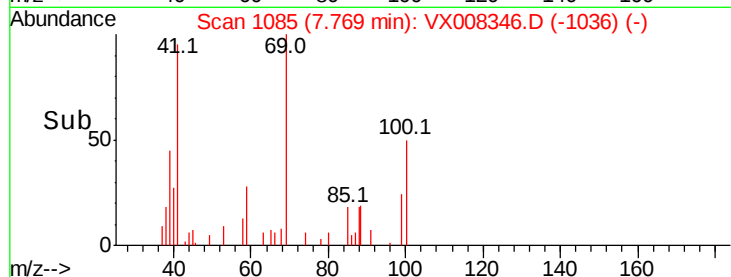
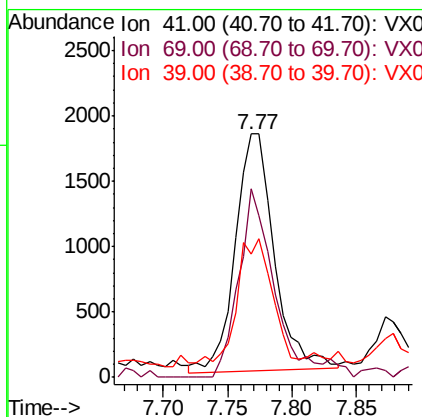
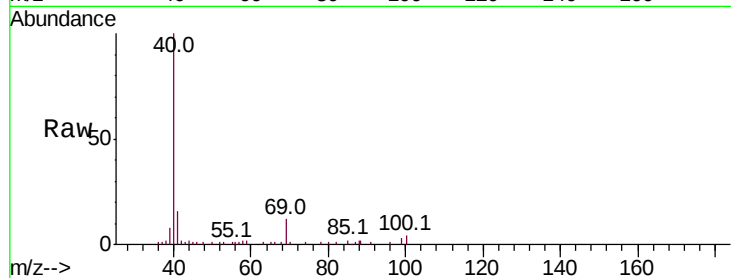
#48
Methvl methacrylate
Concen: 0.890 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	74.6	65.2	97.8
39	47.2	39.4	59.2

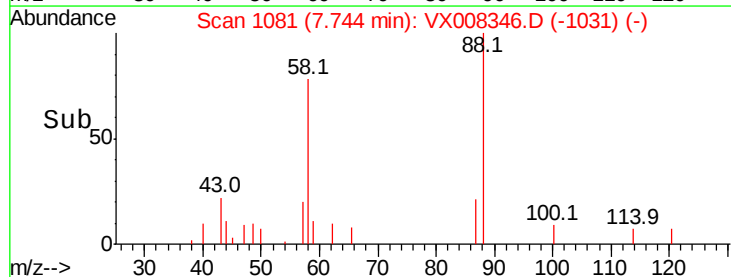
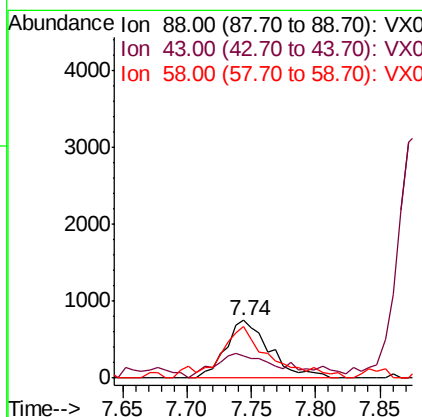
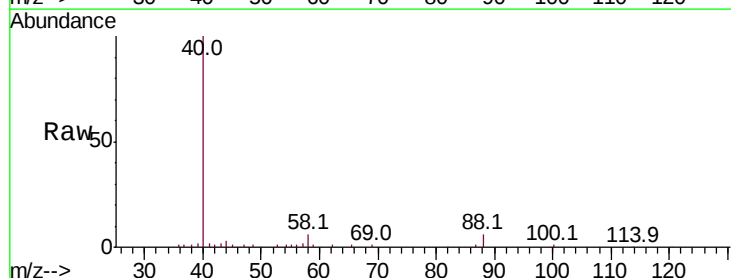
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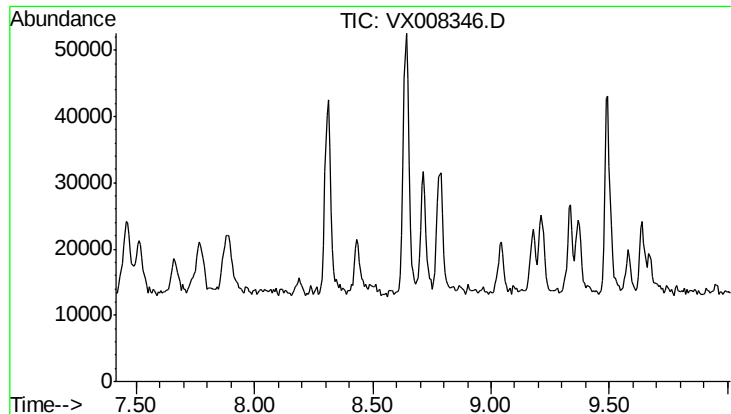
MMDadoda
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#49
1,4-Dioxane
Concen: 23.557 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
88	100		
43	50.5	25.1	37.7#
58	94.0	57.8	86.6#





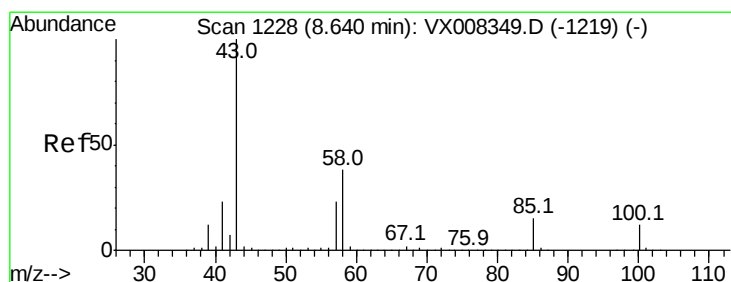
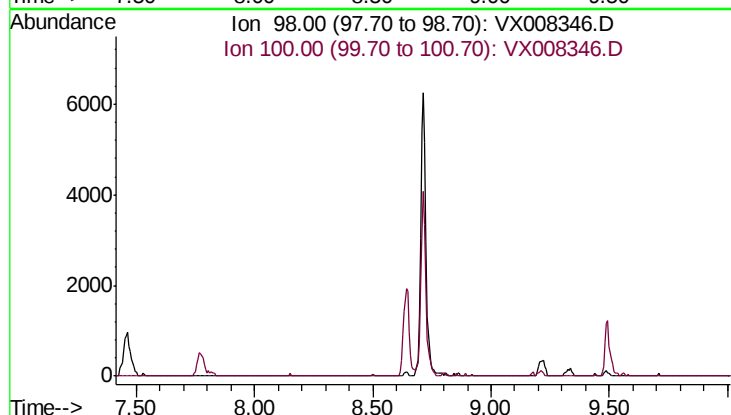
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.71 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.6

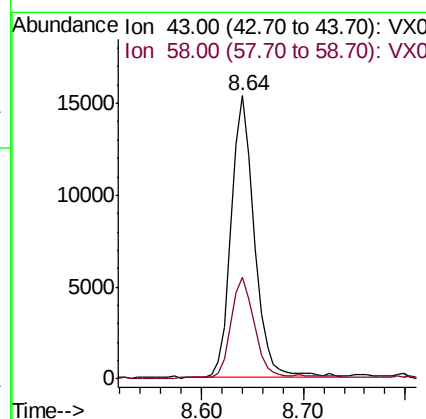
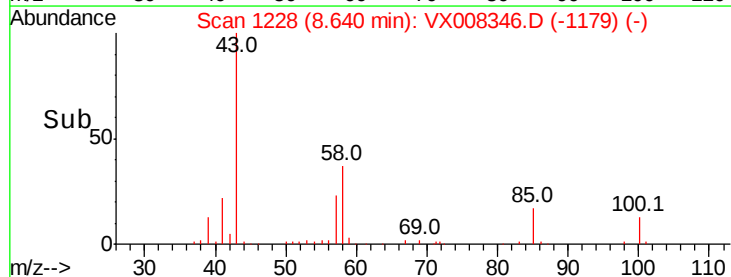
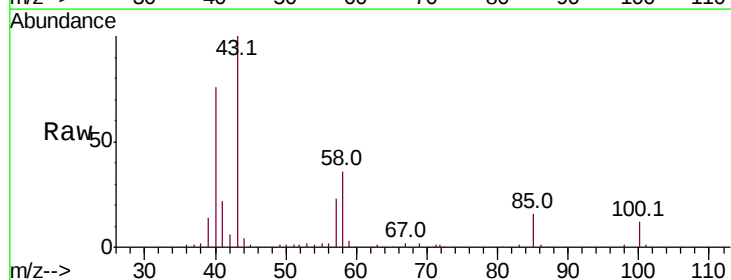
Manual Integrations
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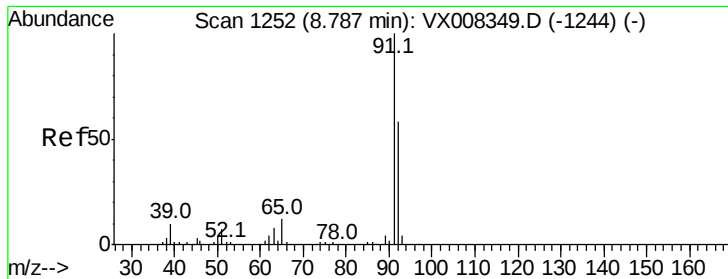
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#51
4-Methyl-2-Pentanone
Concen: 4.660 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion: 43 Resp: 24250
Ion Ratio Lower Upper
43 100
58 35.7 31.3 46.9





#52

Toluene

Concen: 0.888 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 6625

Ion Ratio Lower Upper

92 100

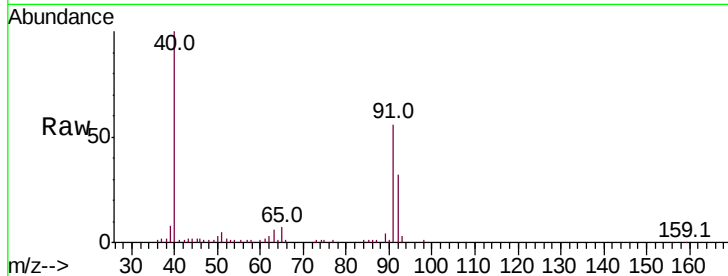
91 178.1 137.4 206.0

Manual Integrations

APPROVED

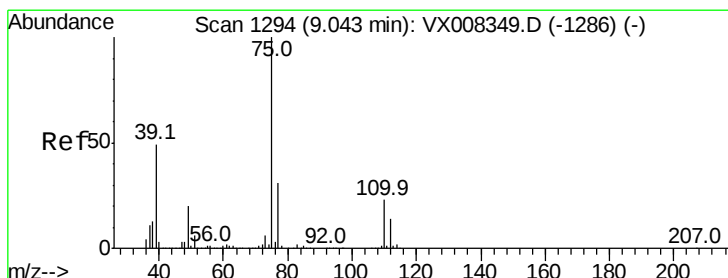
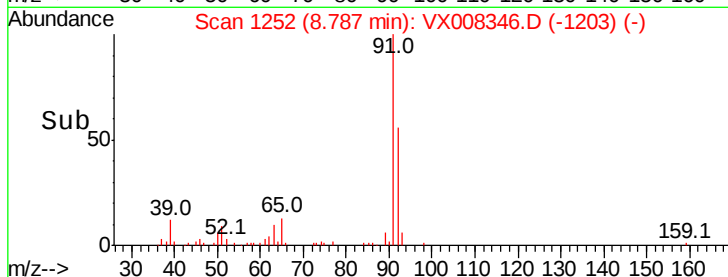
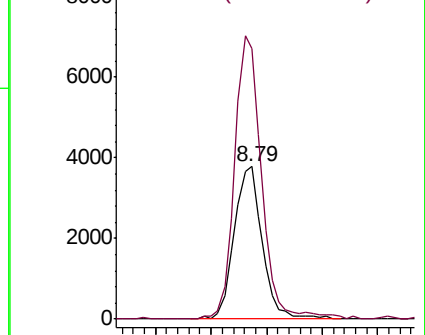
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.742 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008346.D

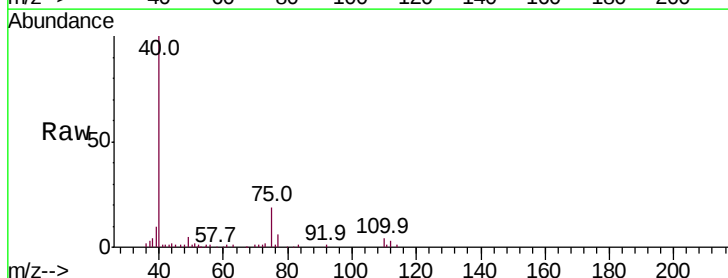
Acq: 23 Mar 2019 13:07

Tgt Ion: 75 Resp: 3372

Ion Ratio Lower Upper

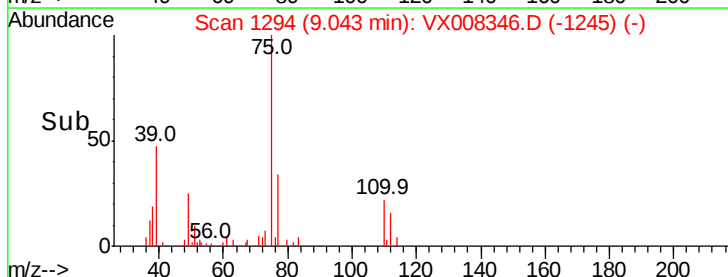
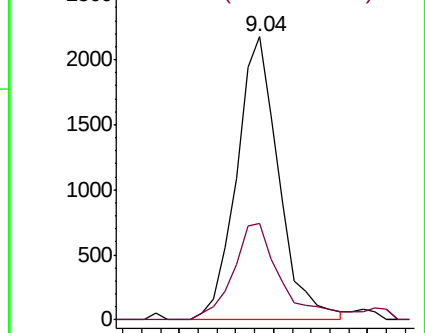
75 100

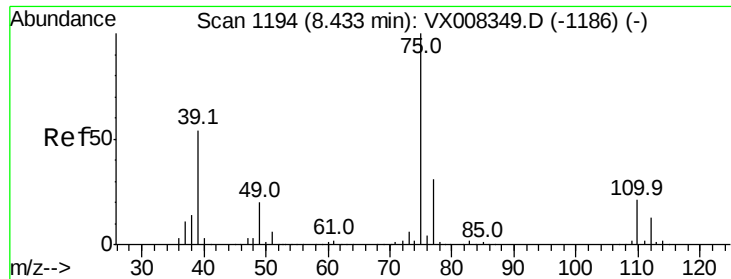
77 34.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

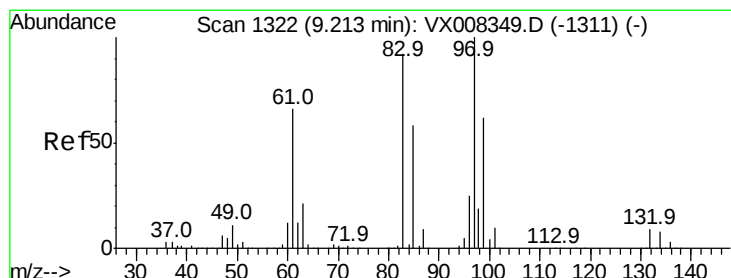
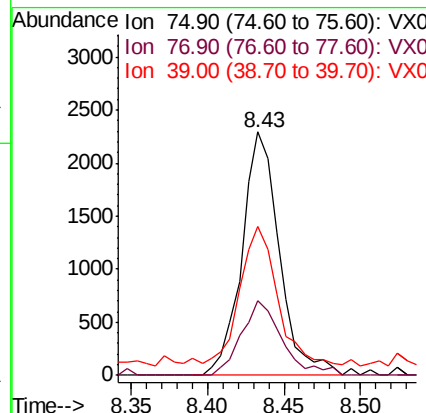
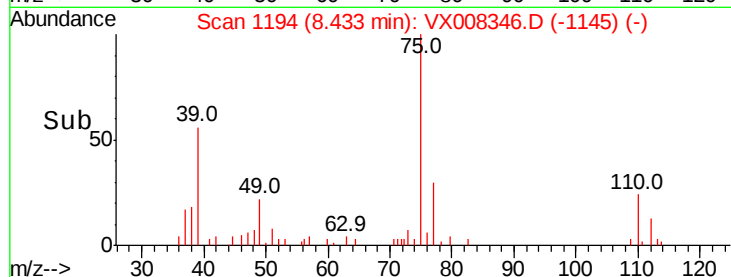
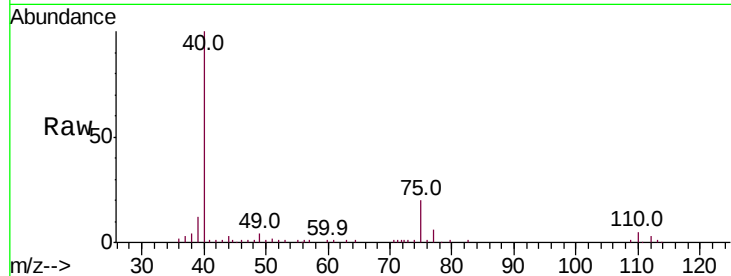
cis-1,3-Dichloropropene
 Concen: 0.776 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.6
39	56.9	36.6	54.8

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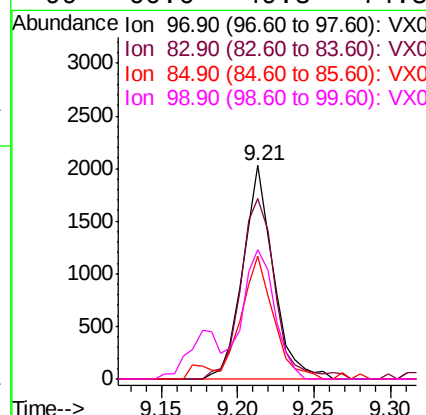
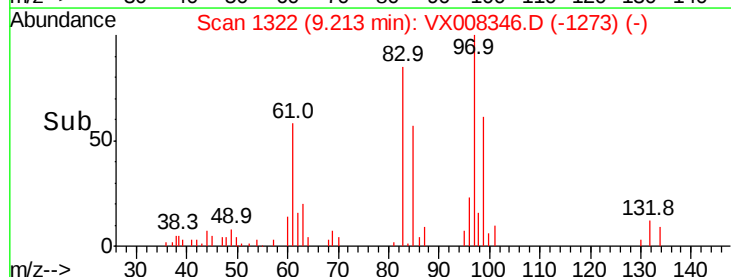
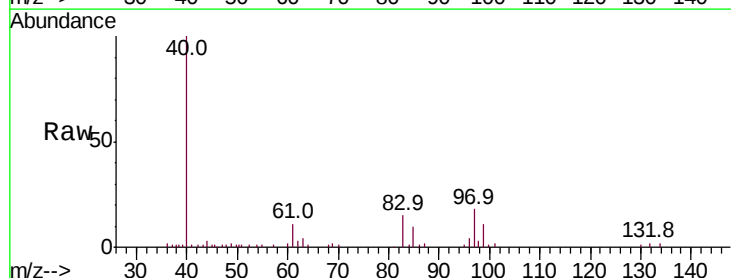
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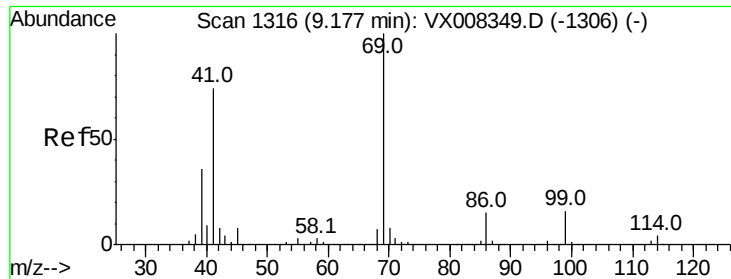


#55

1,1,2-Trichloroethane
 Concen: 0.934 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.1	103.7
85	54.5	44.3	66.5
99	60.6	49.8	74.8





#56

Ethyl methacrylate

Concen: 0.894 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

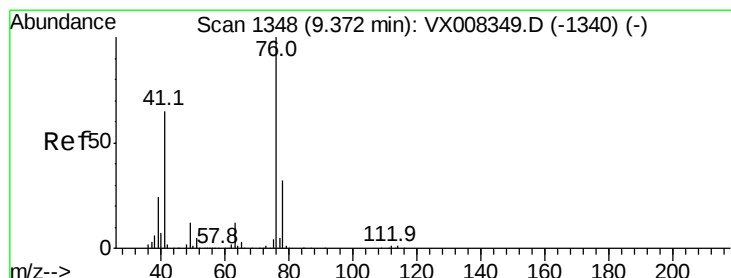
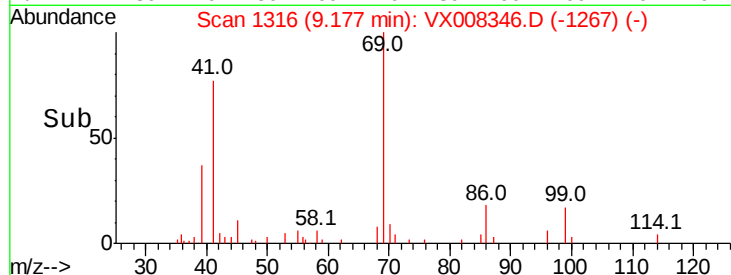
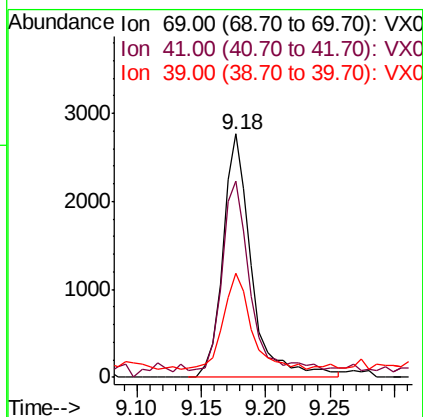
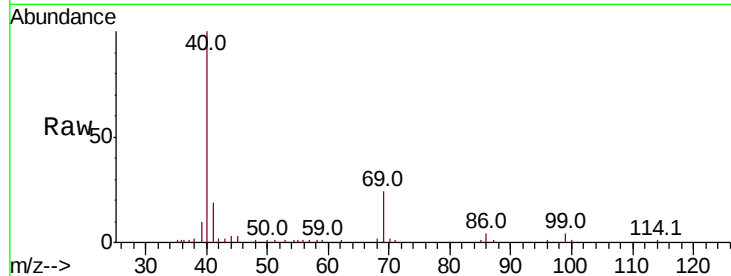
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4308
Ion	Ratio	Lower	Upper
69	100		
41	75.2	54.2	81.4
39	39.6	25.0	37.4#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.949 ug/l

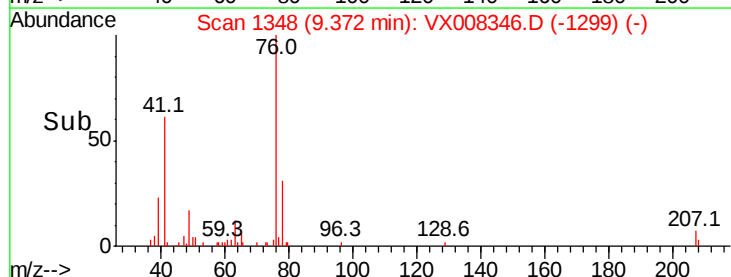
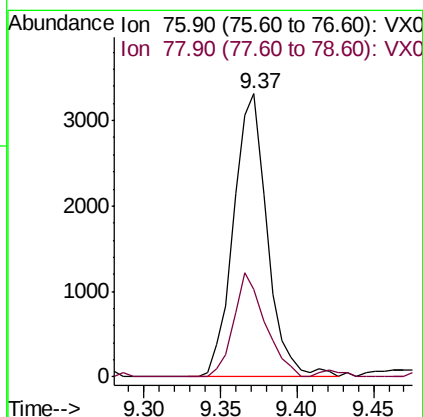
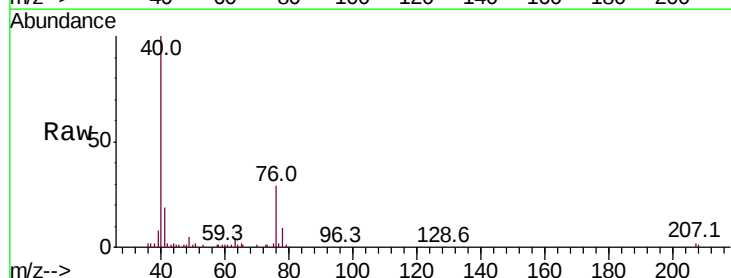
RT: 9.37 min Scan# 1348

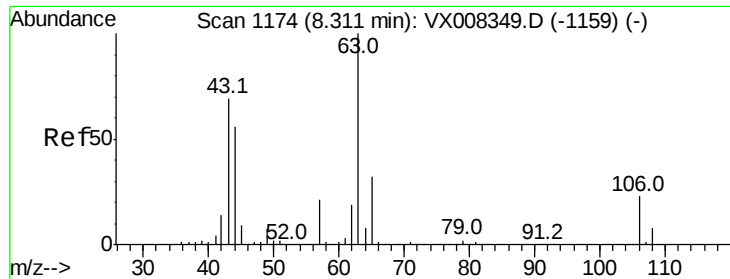
Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion:	76	Resp:	5057
Ion	Ratio	Lower	Upper
76	100		
78	34.5	25.5	38.3





#58

2-Chloroethyl Vinyl ether

Concen: 4.814 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 11886

Ion Ratio Lower Upper

63 100

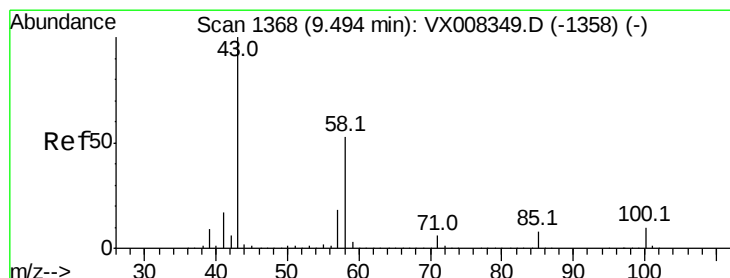
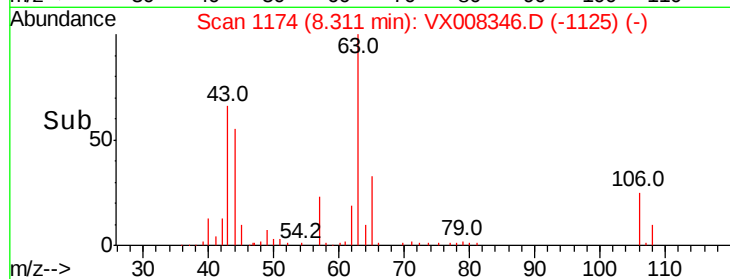
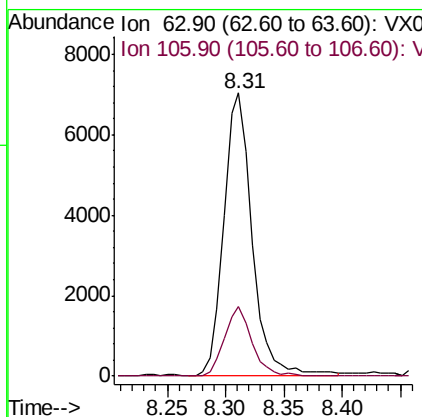
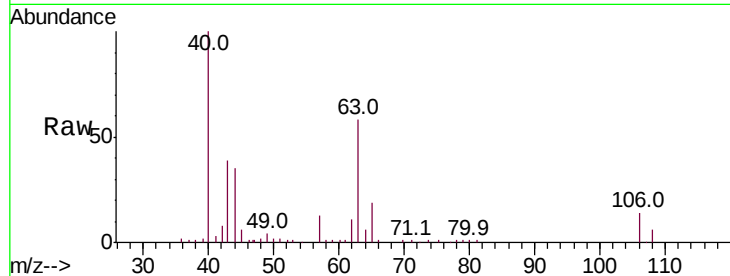
106 23.9 22.2 33.2

Manual Integrations

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#59

2-Hexanone

Concen: 4.631 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VX008346.D

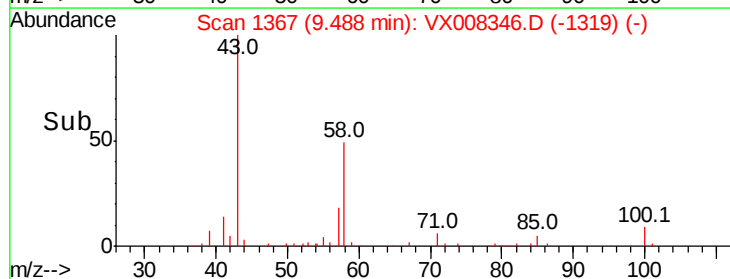
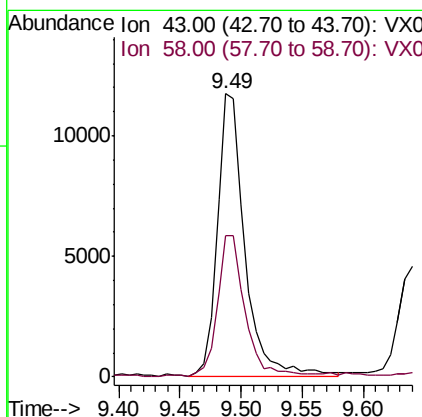
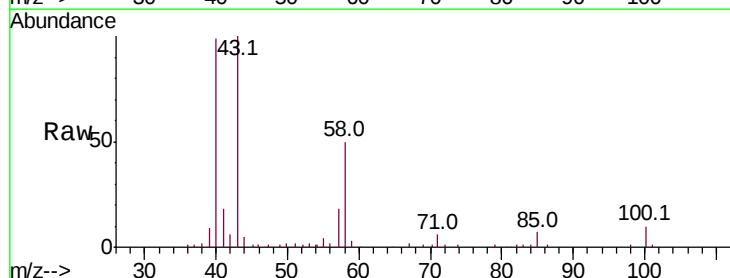
Acq: 23 Mar 2019 13:07

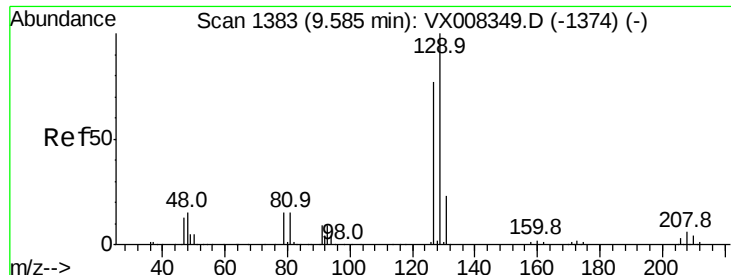
Tgt Ion: 43 Resp: 18550

Ion Ratio Lower Upper

43 100

58 49.6 27.6 82.7





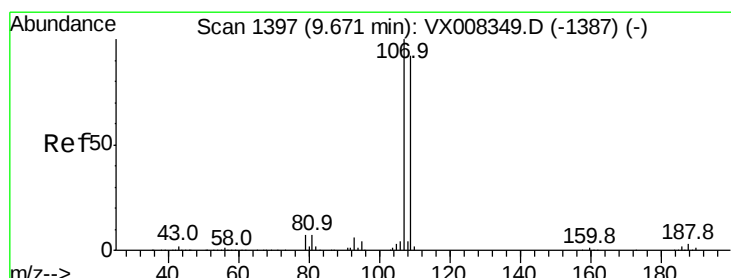
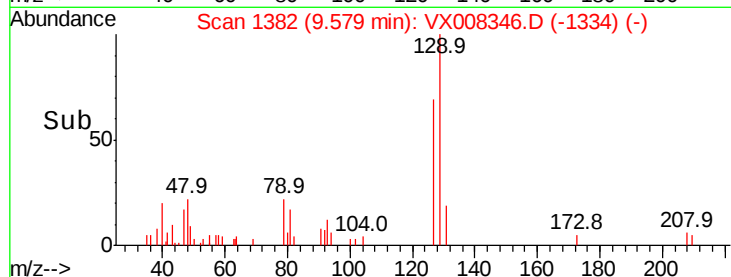
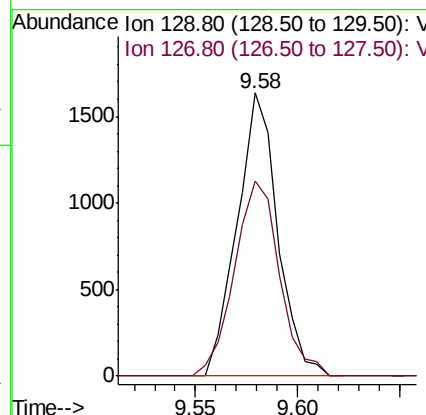
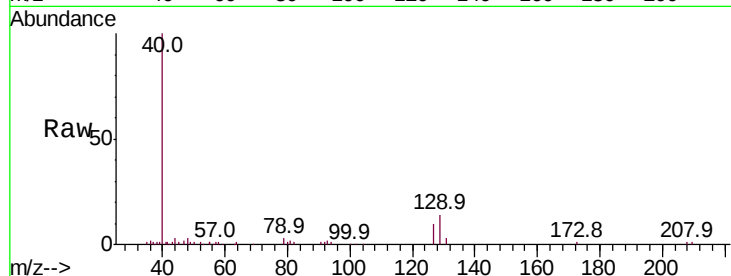
#60
Dibromochloromethane
Concen: 0.779 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:129 Resp: 2256
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8

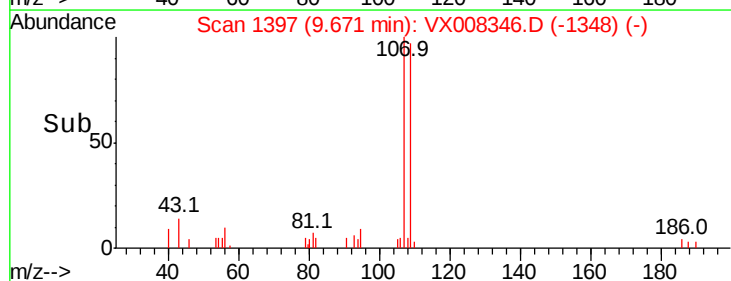
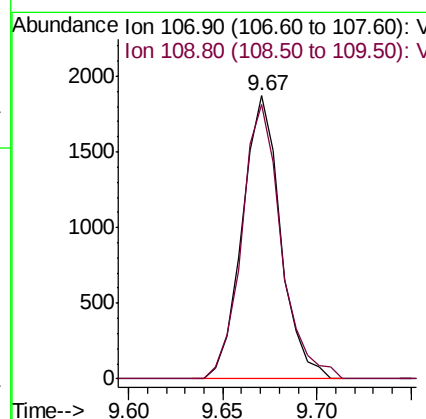
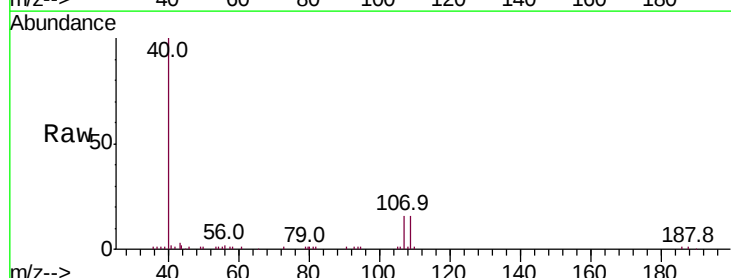
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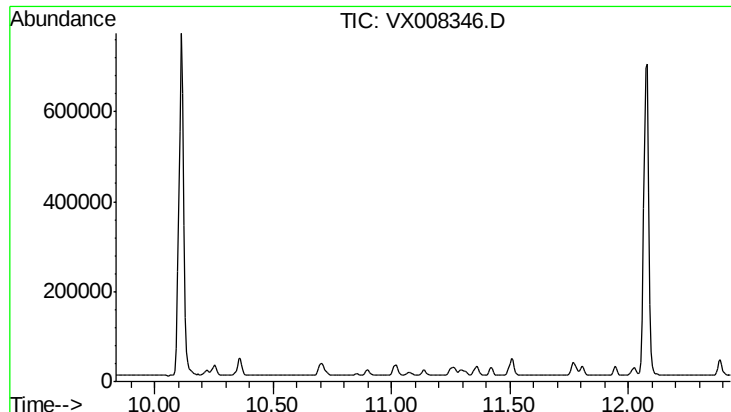
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#61
1,2-Dibromoethane
Concen: 0.837 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion:107 Resp: 2634
Ion Ratio Lower Upper
107 100
109 99.8 75.8 113.8





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.13 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tot Ion: 95

Sig Exp Ratio

95 100

174 91.4

176 89.0

Instrument :

MSVOA_X

ClientSampleId :

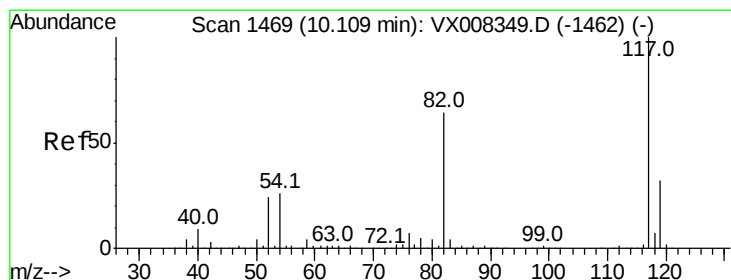
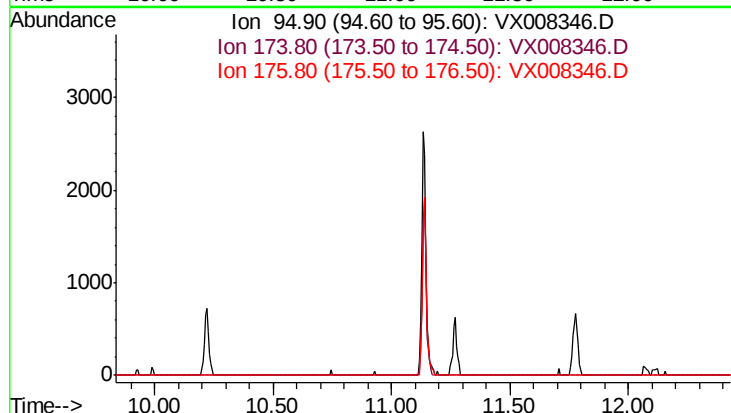
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

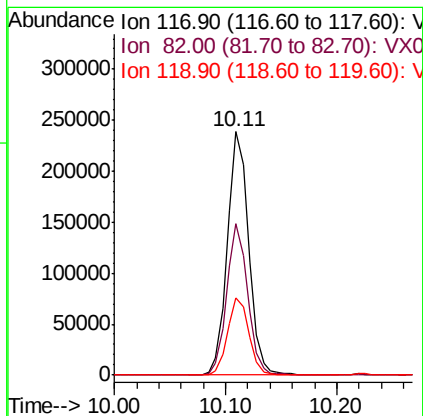
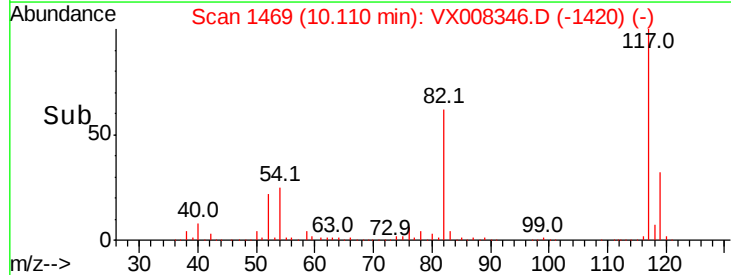
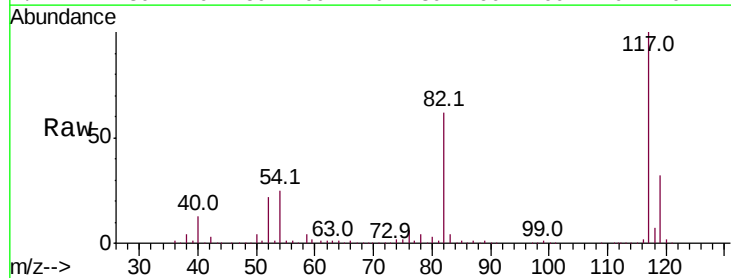
Tgt Ion:117 Resp: 316663

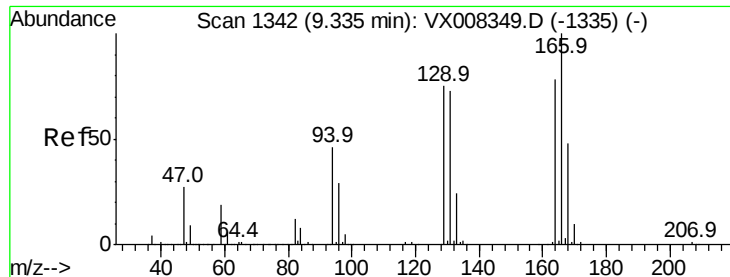
Ion Ratio Lower Upper

117 100

82 62.0 44.3 66.5

119 31.8 25.3 37.9





#64

Tetrachloroethene

Concen: 0.793 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 2266

Ion Ratio Lower Upper

164 100

166 127.3 103.4 155.0

129 92.6 72.2 108.4

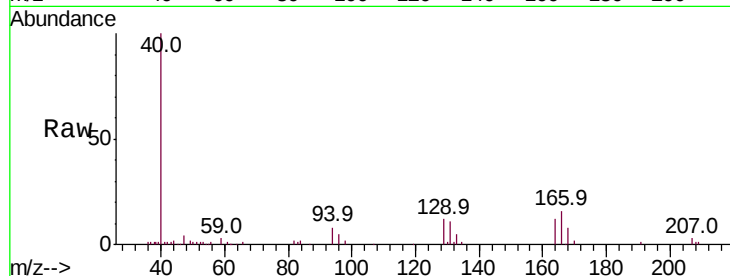
131 88.8 69.4 104.2

Manual Integrations

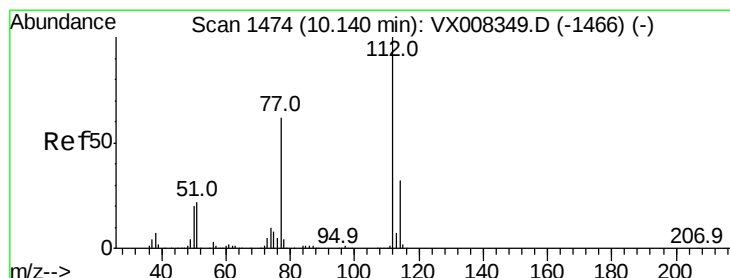
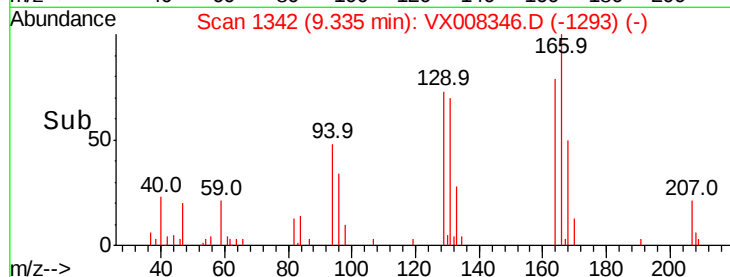
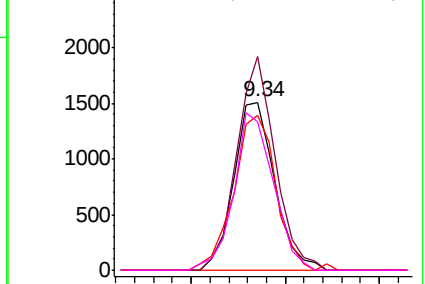
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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.863 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008346.D

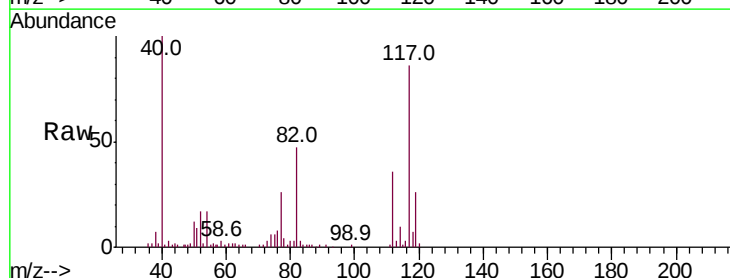
Acq: 23 Mar 2019 13:07

Tgt Ion:112 Resp: 6728

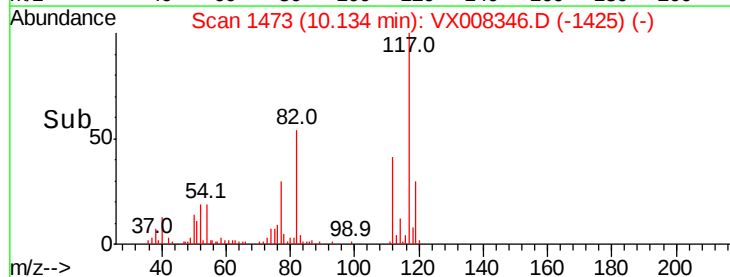
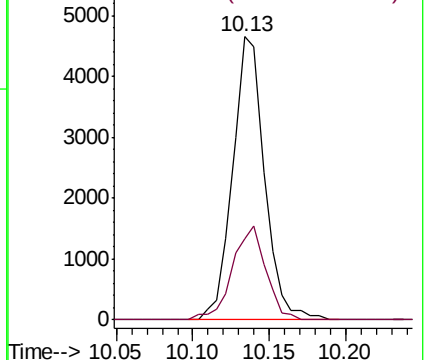
Ion Ratio Lower Upper

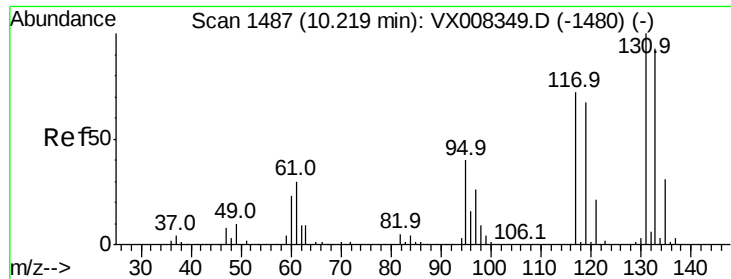
112 100

114 28.8 26.0 39.0



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





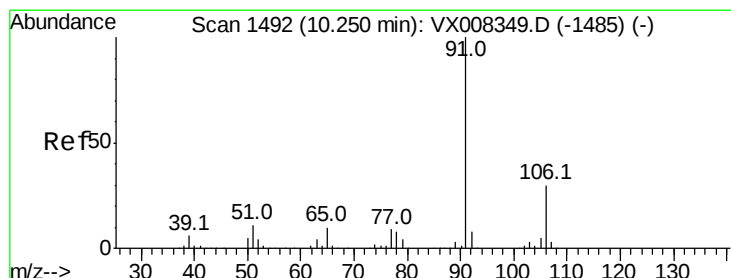
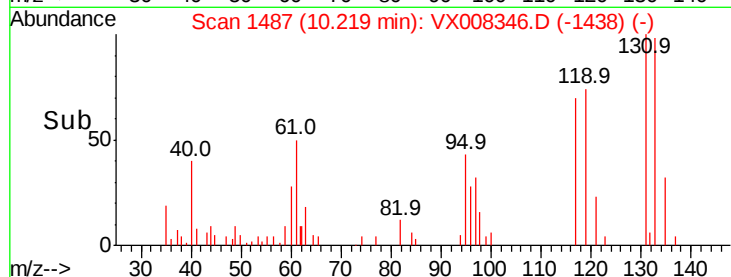
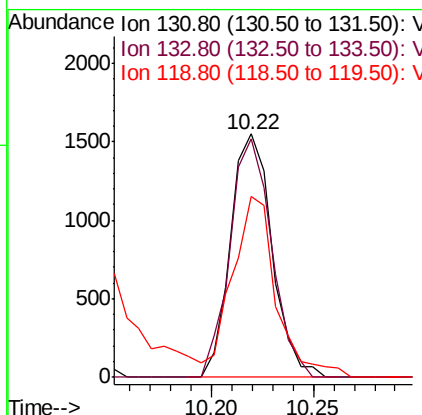
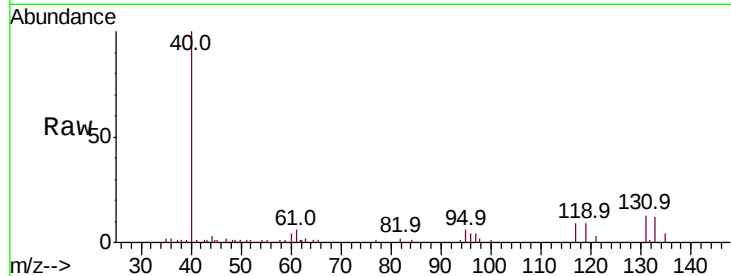
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.804 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.3	47.8	143.3
119	0.0	32.5	97.5#

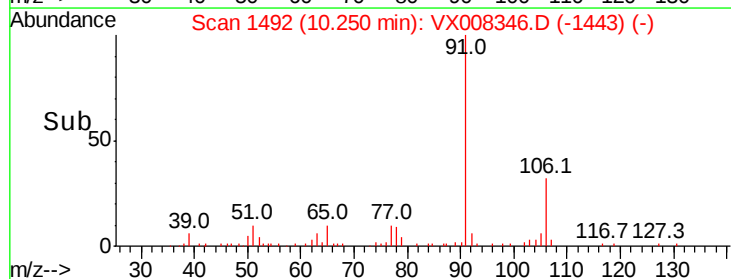
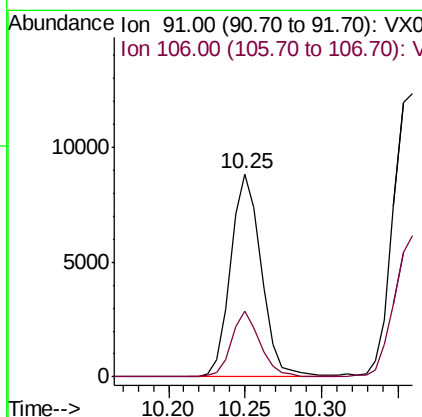
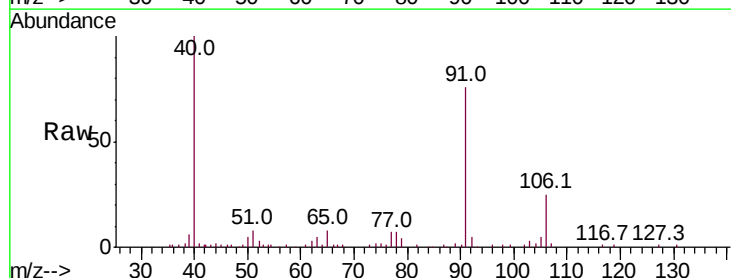
Manual Integrations
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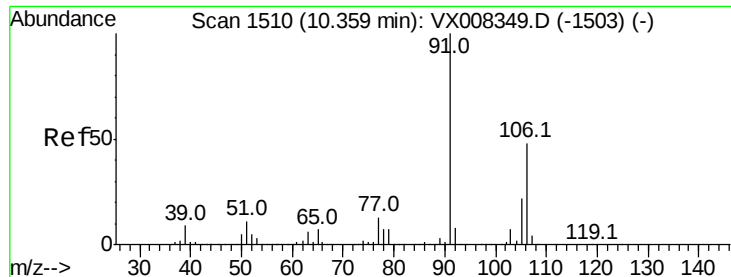
MMDadoda
 3/25/2019 11:16:33 AM



#67
 Ethyl Benzene
 Concen: 0.896 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.2	37.8





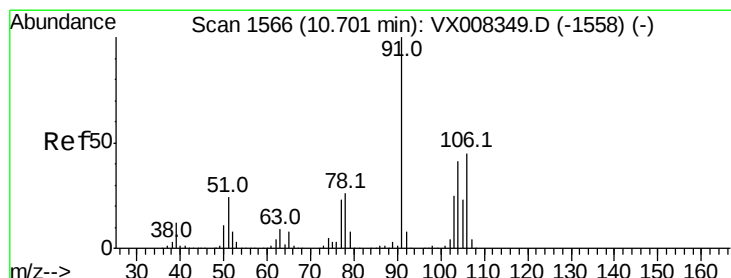
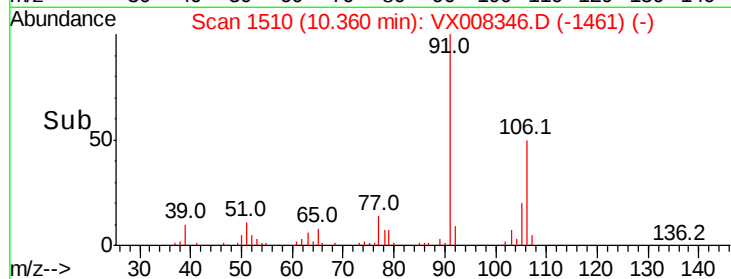
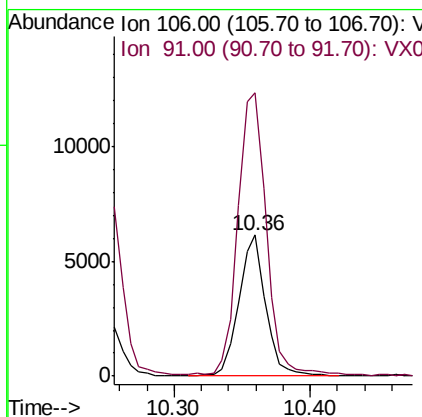
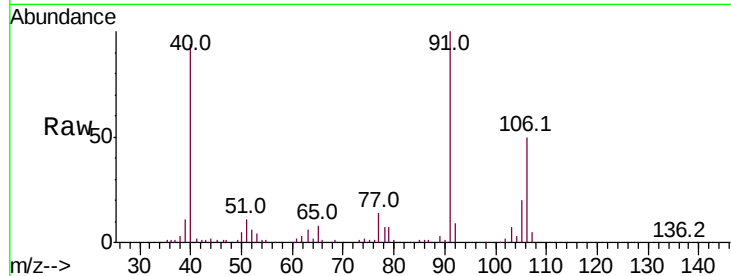
#68
m/p-Xylenes
Concen: 1.679 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 8469
Ion Ratio Lower Upper
106 100
91 214.6 159.8 239.6

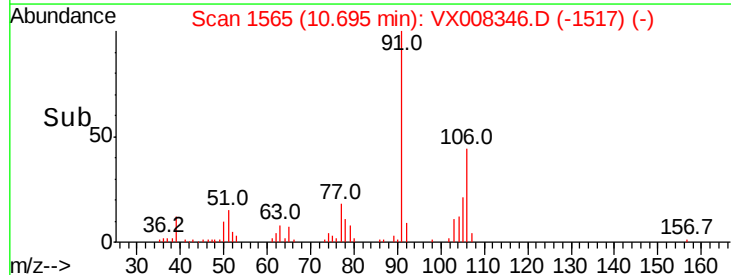
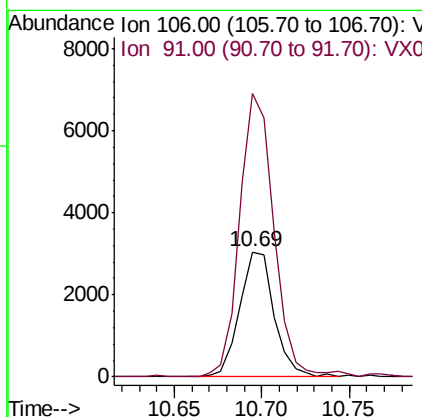
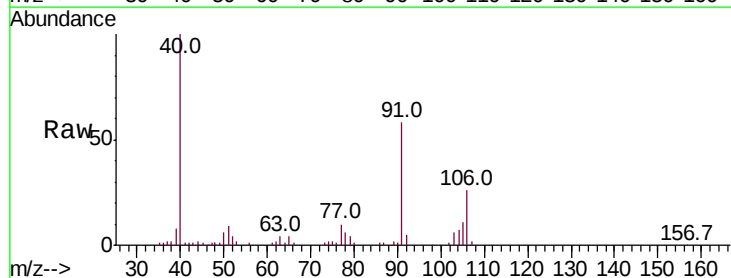
Manual Integrations
APPROVED

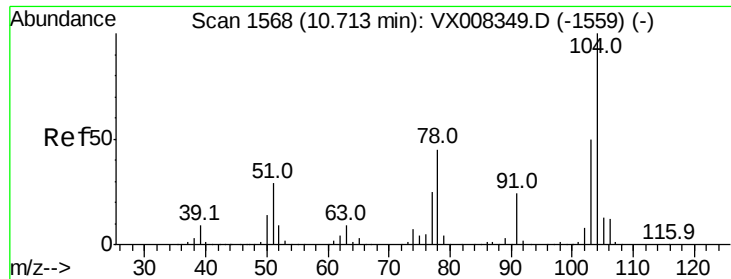
MMDadoda
3/25/2019 11:16:33 AM



#69
o-Xylene
Concen: 0.859 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion:106 Resp: 4209
Ion Ratio Lower Upper
106 100
91 223.6 106.3 318.9





#70

Stvrene

Concen: 0.874 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

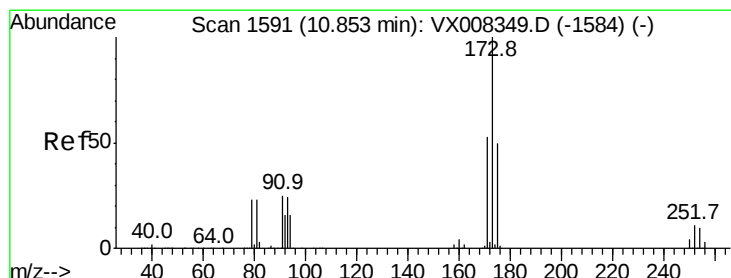
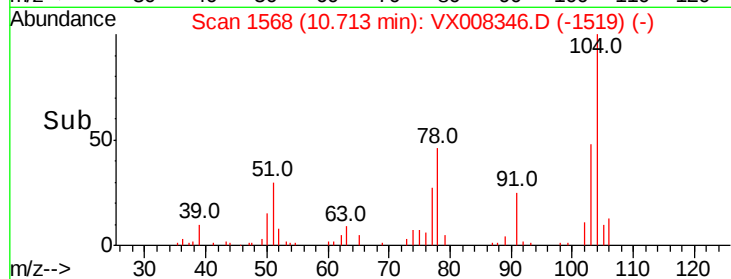
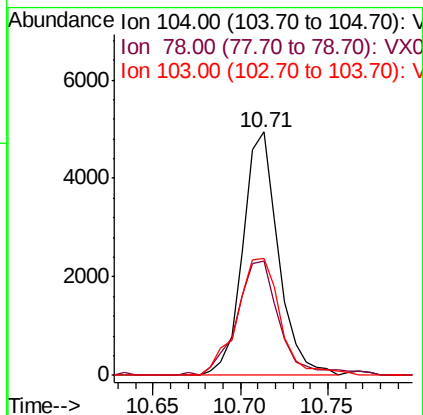
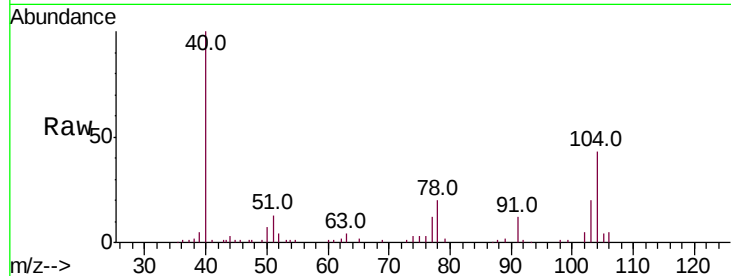
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	6961
Ion Ratio	Lower	Upper	
104	100		
78	57.4	38.5	57.7
103	58.6	44.1	66.1

Manual Integrations
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#71

Bromoform

Concen: 0.722 ug/l

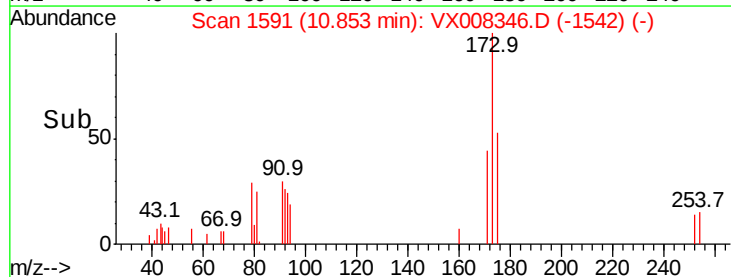
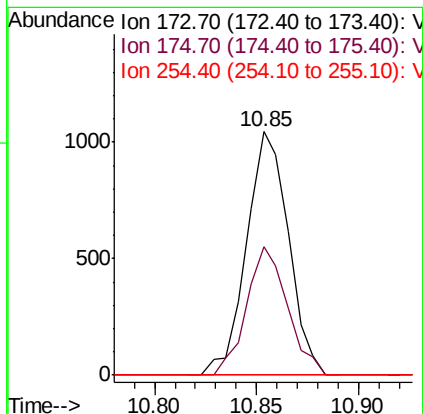
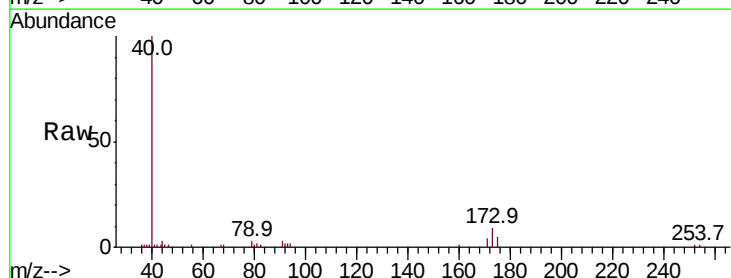
RT: 10.85 min Scan# 1591

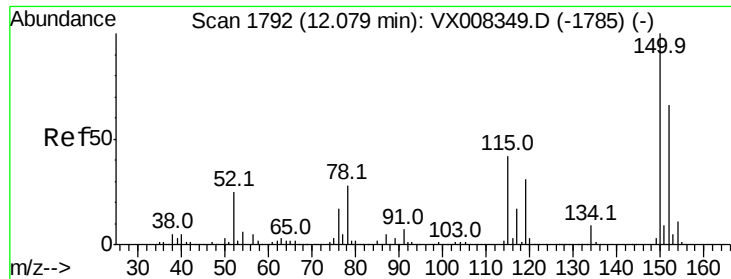
Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion:	173	Resp:	1493
Ion Ratio	Lower	Upper	
173	100		
175	51.6	24.3	72.9
254	0.0	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: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

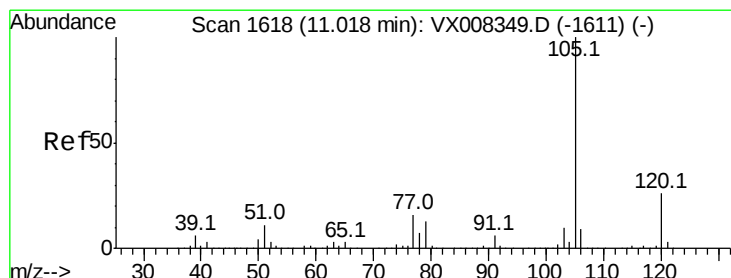
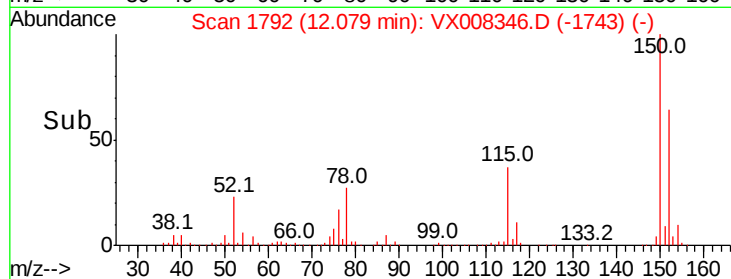
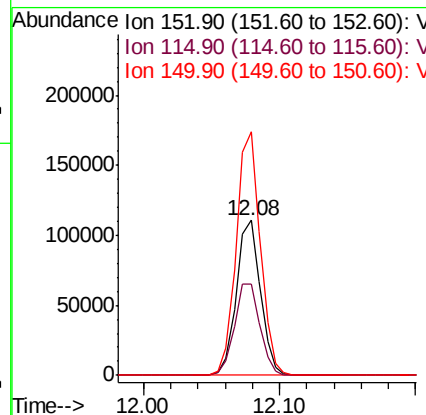
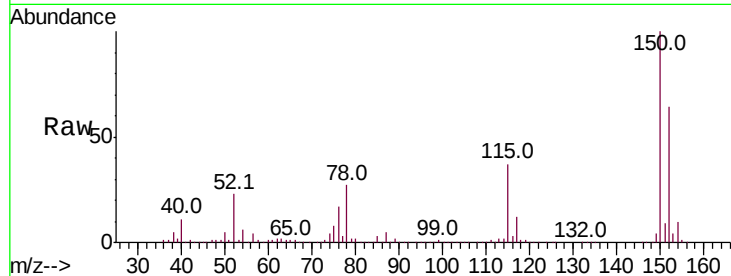
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	135905
Ion Ratio	Lower	Upper	
152	100		
115	62.6	38.6	115.7
150	157.5	0.0	348.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.918 ug/l

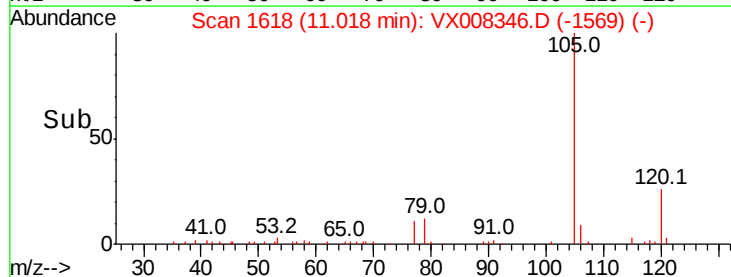
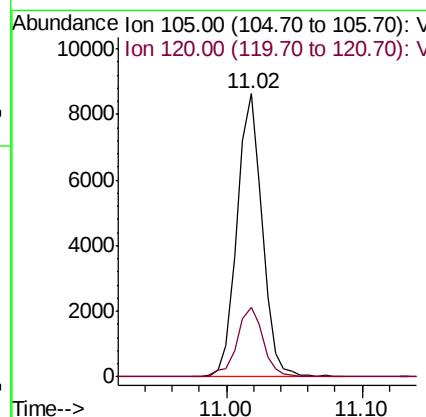
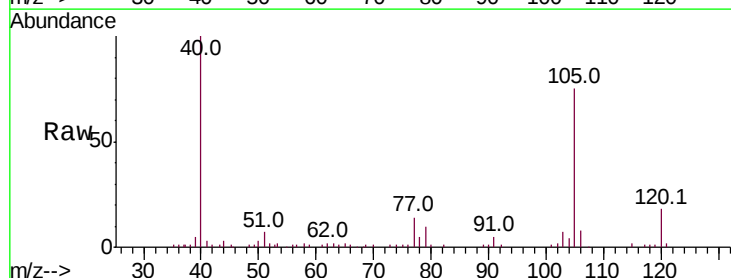
RT: 11.02 min Scan# 1618

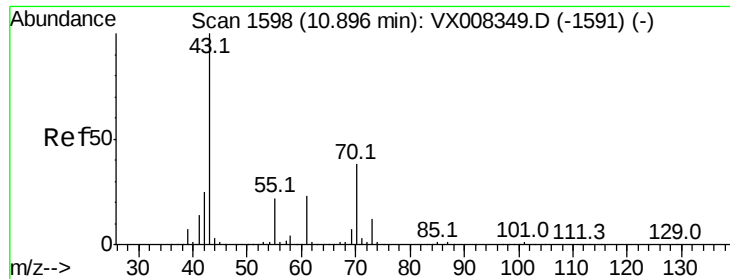
Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion:	105	Resp:	11122
Ion Ratio	Lower	Upper	
105	100		
120	25.4	13.4	40.1





#74

N-amvl acetate

Concen: 0.882 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

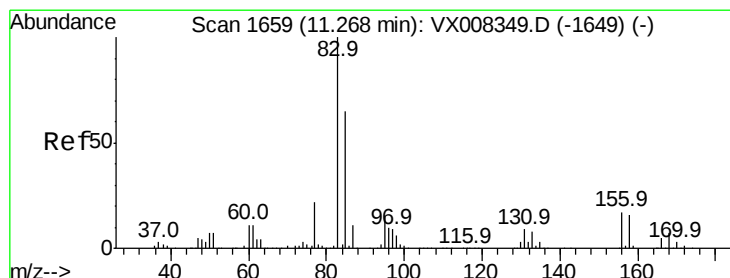
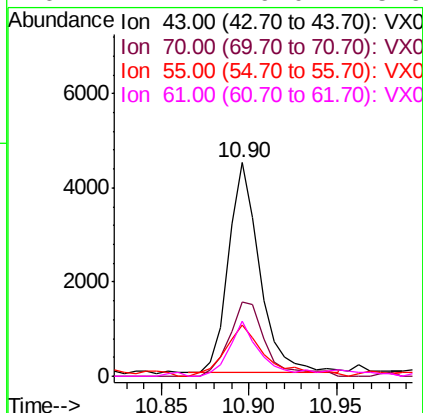
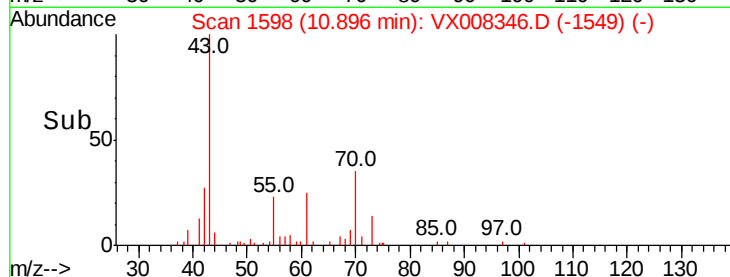
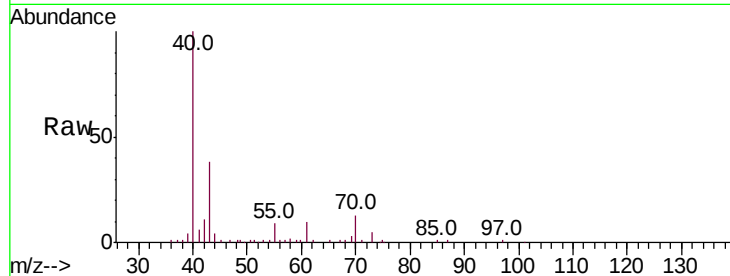
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.5	50.3
55	31.4	19.2	28.8
61	24.7	19.0	28.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.098 ug/l

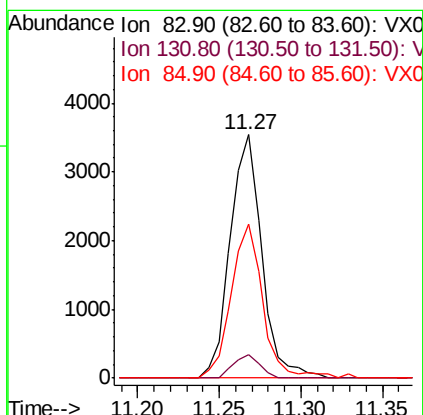
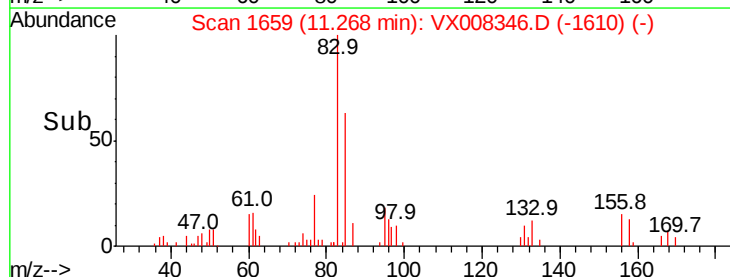
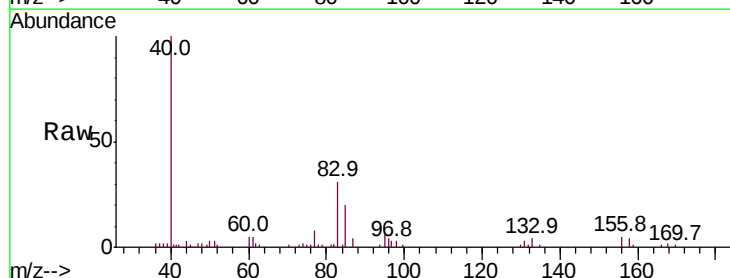
RT: 11.27 min Scan# 1659

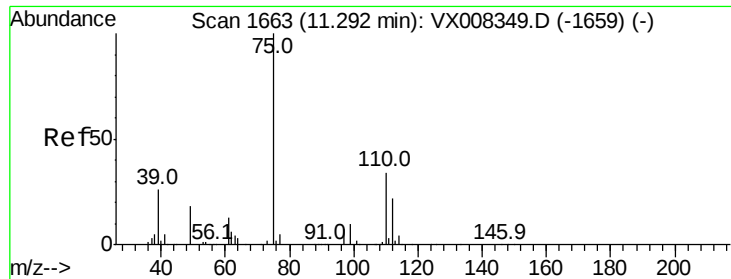
Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
131	7.9	5.4	16.2
85	63.3	32.3	96.8





#76

1,2,3-Trichloropropane

Concen: 1.068 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 4082

Ion Ratio Lower Upper

75 100

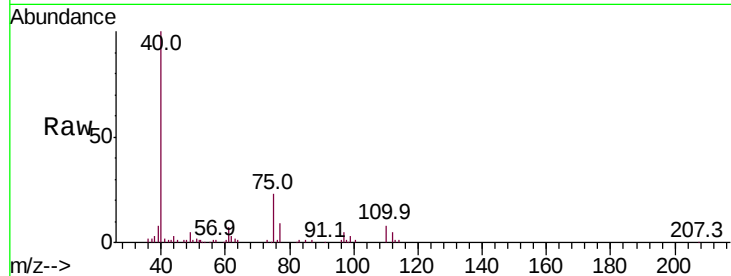
77 43.3 18.9 56.7

Manual Integrations

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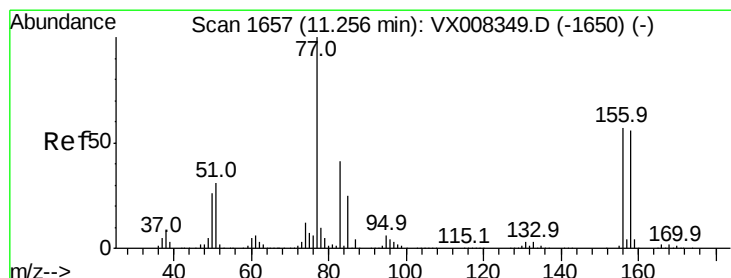
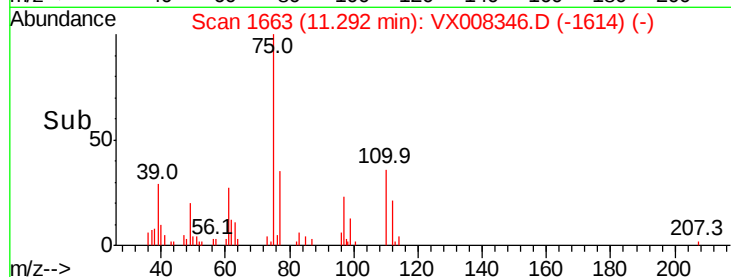
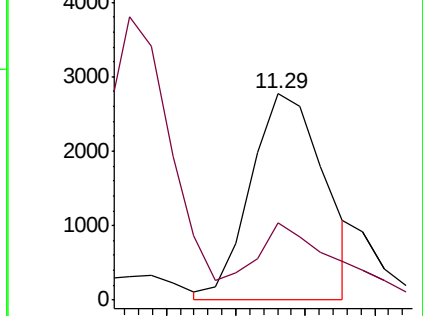
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 0.902 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

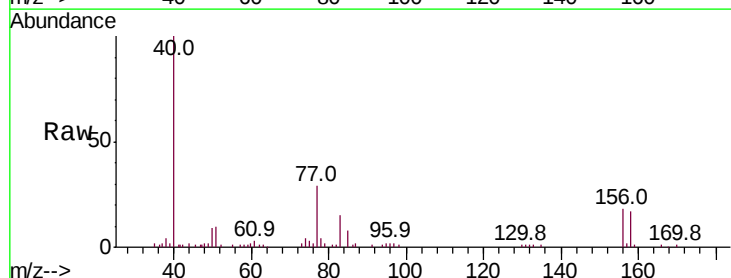
Tgt Ion: 156 Resp: 2642

Ion Ratio Lower Upper

156 100

77 191.7 72.0 215.9

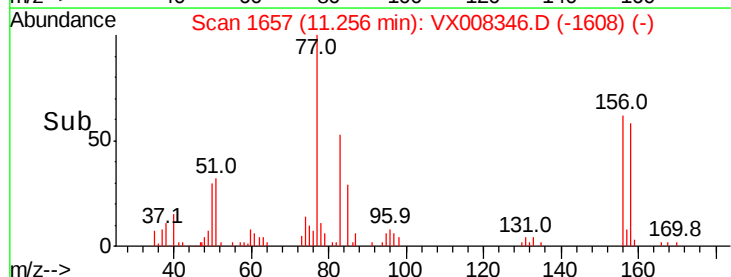
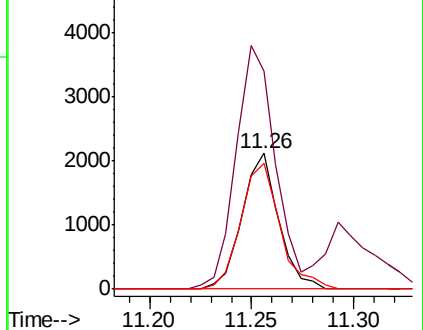
158 100.0 48.6 145.9

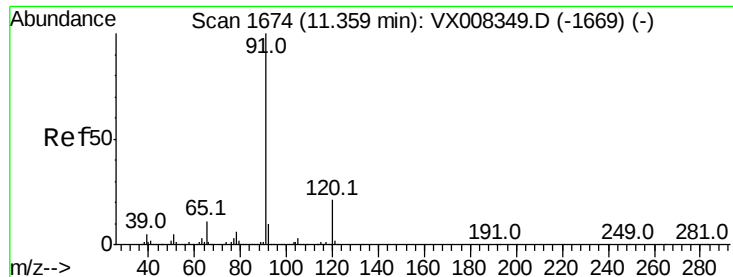


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.877 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 12340

Ion Ratio Lower Upper

91 100

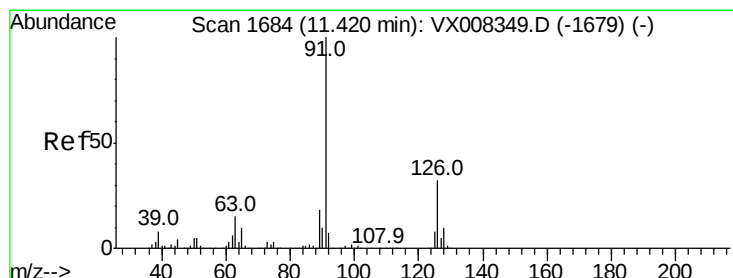
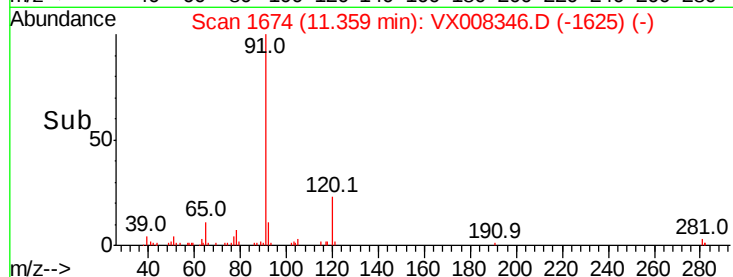
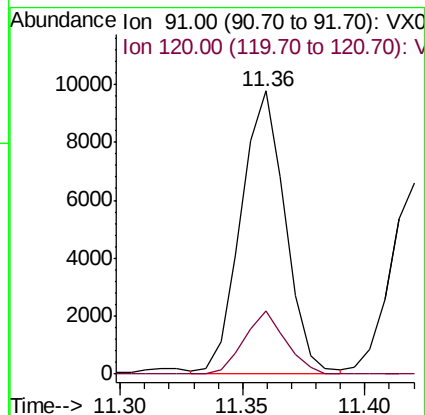
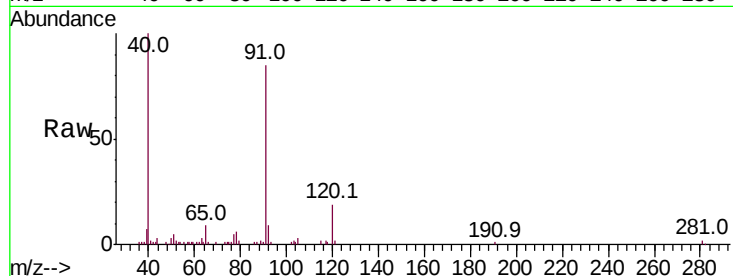
120 20.6 12.0 36.0

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#79

2-Chlorotoluene

Concen: 0.998 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008346.D

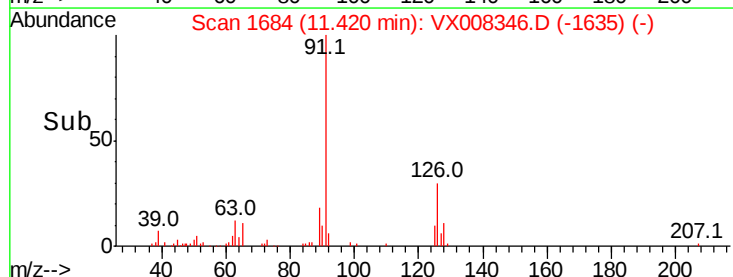
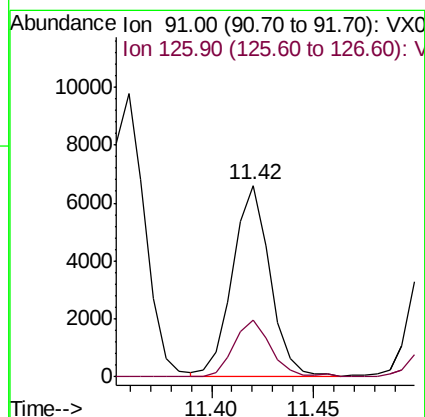
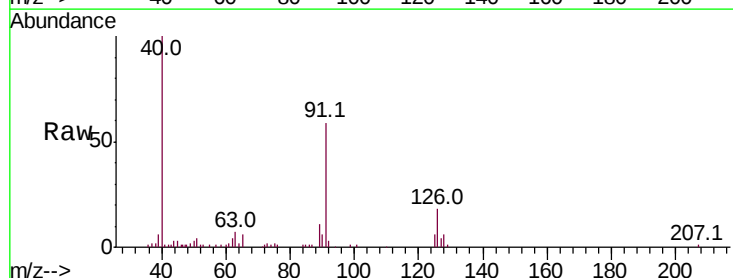
Acq: 23 Mar 2019 13:07

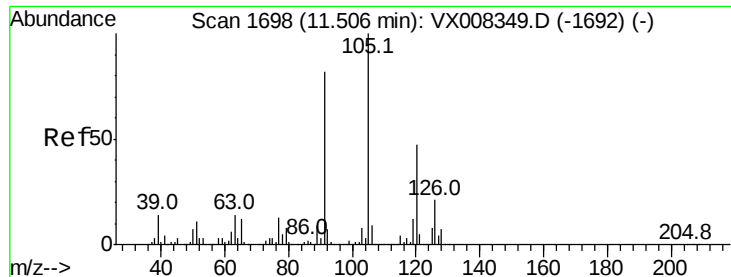
Tgt Ion: 91 Resp: 8428

Ion Ratio Lower Upper

91 100

126 29.3 17.5 52.6





#80

1,3,5-Trimethylbenzene

Concen: 0.908 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 9087

Ion Ratio Lower Upper

105 100

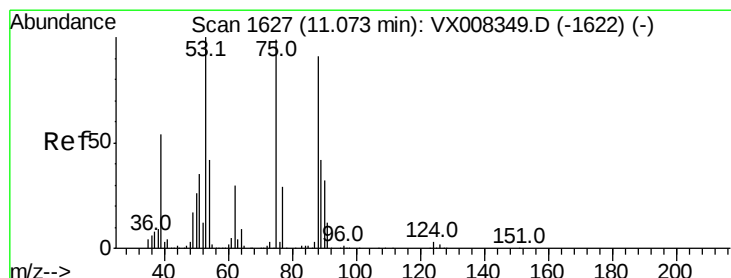
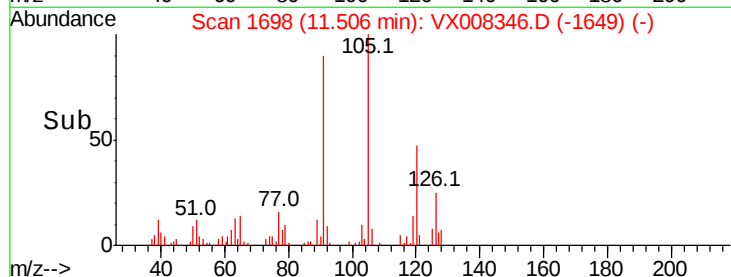
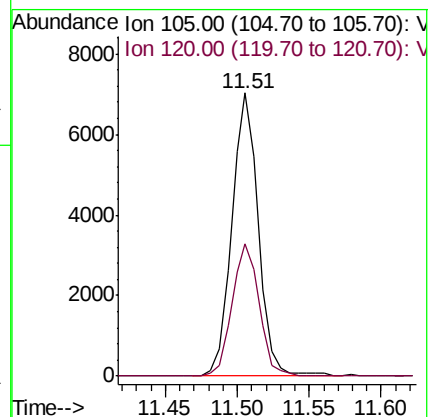
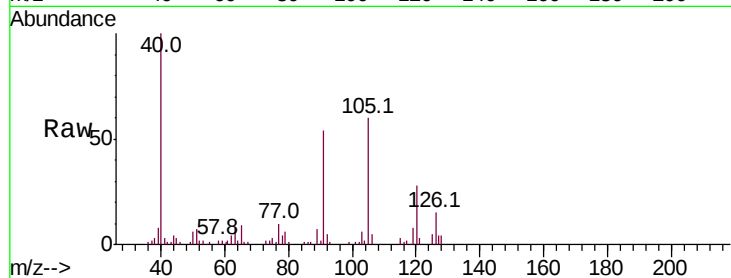
120 47.7 24.9 74.6

Manual Integrations

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3/25/2019 11:16:33 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 0.763 ug/l

RT: 11.07 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

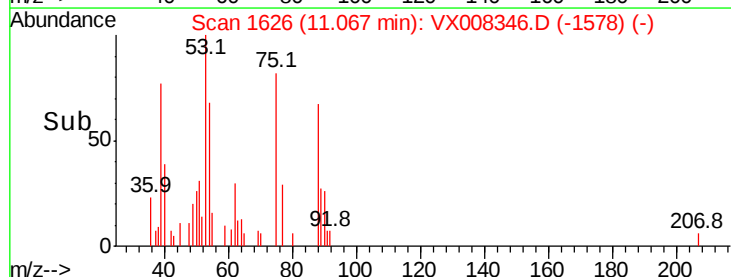
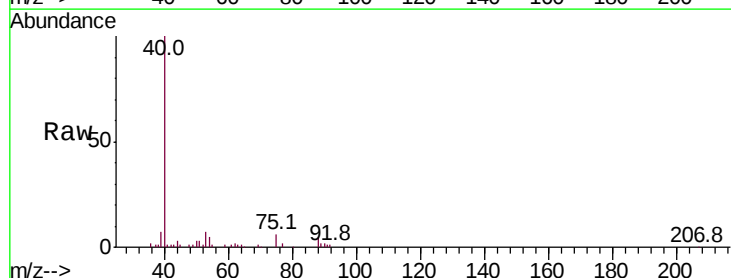
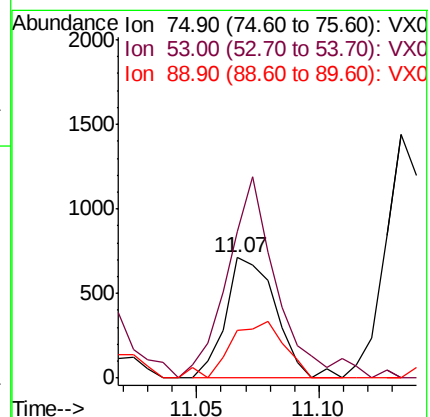
Tgt Ion: 75 Resp: 1019

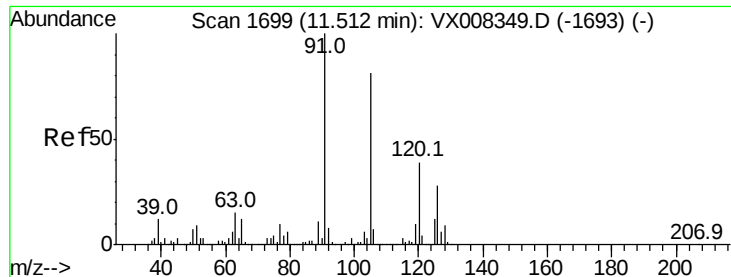
Ion Ratio Lower Upper

75 100

53 166.2 76.1 114.1#

89 50.8 36.3 54.5





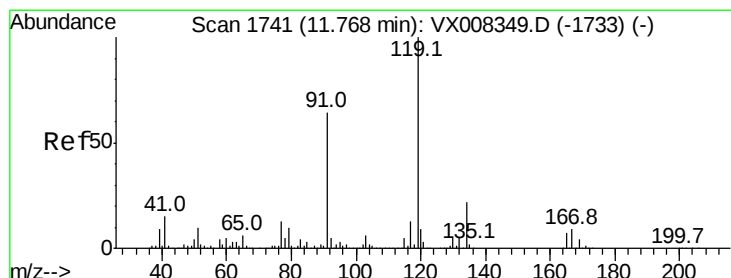
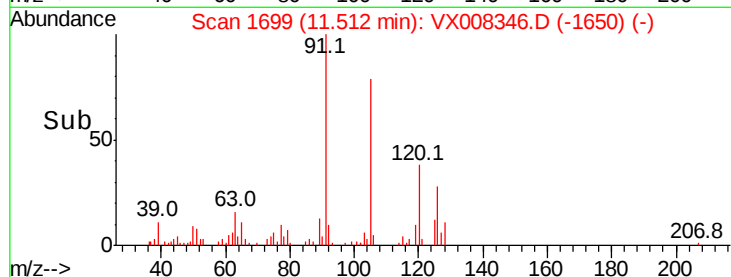
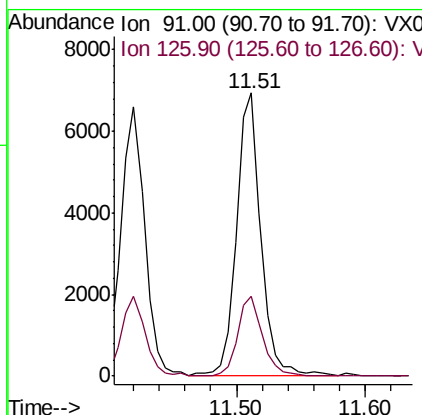
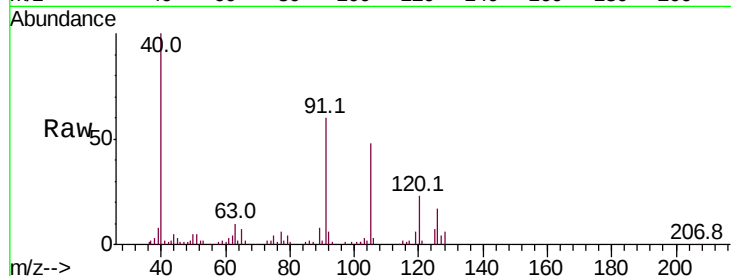
#82
4-Chlorotoluene
Concen: 0.930 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.4	15.6	46.8

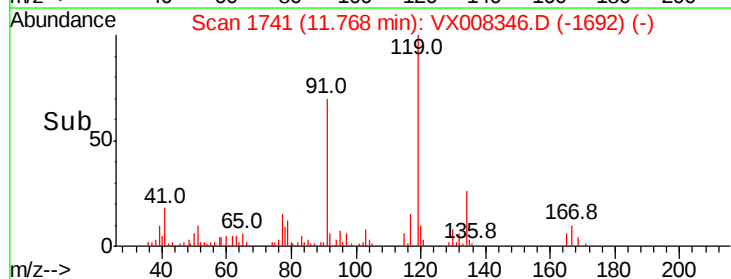
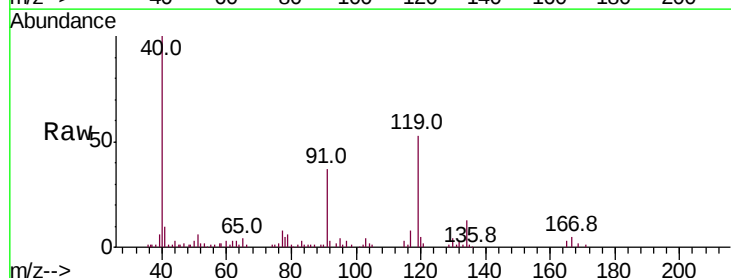
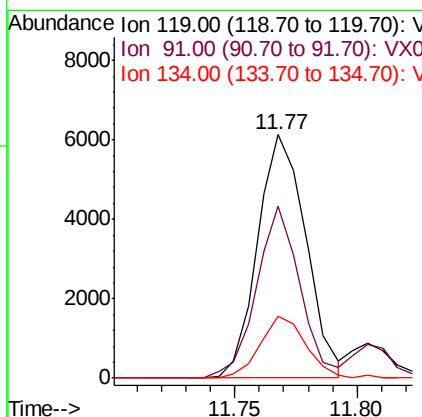
Manual Integrations
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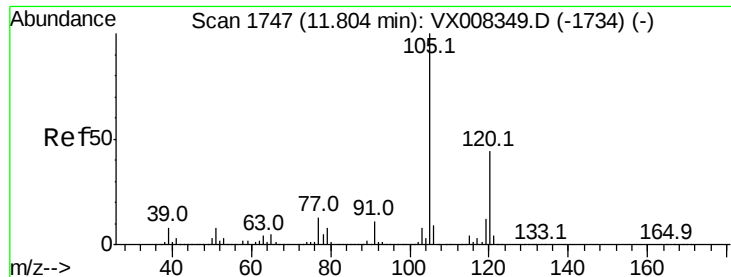
MMDadoda
3/25/2019 11:16:33 AM



#83
tert-Butylbenzene
Concen: 0.880 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.6	27.1	81.3
134	24.4	11.4	34.1





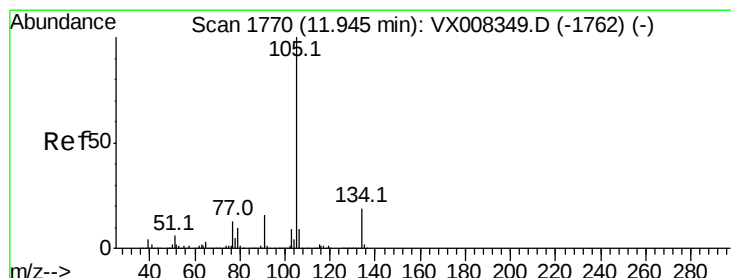
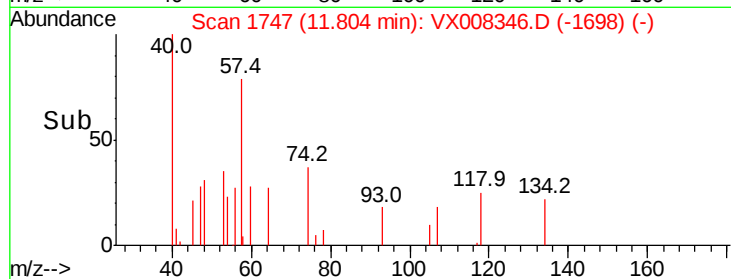
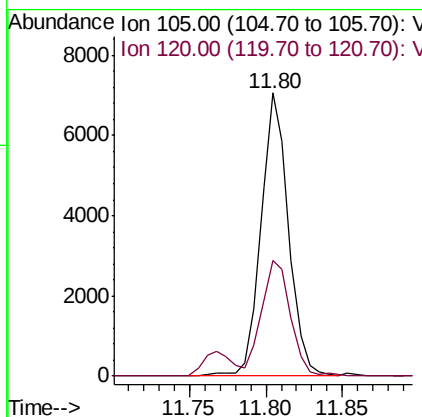
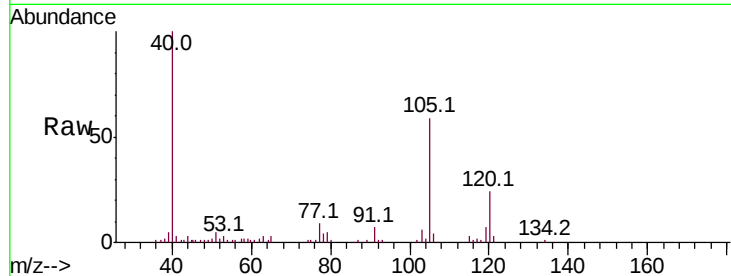
#84
 1,2,4-Trimethylbenzene
 Concen: 0.874 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.6	67.7

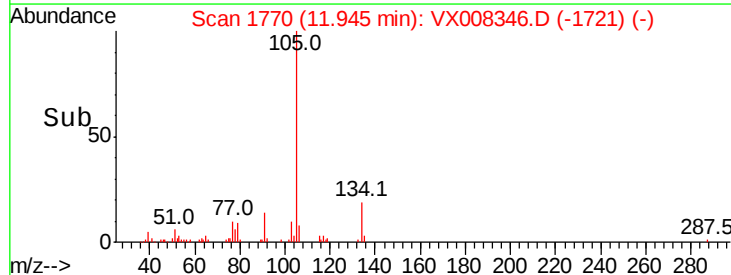
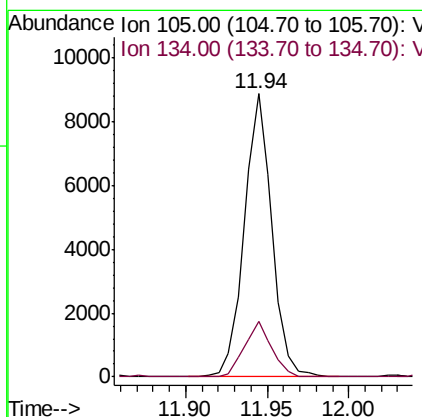
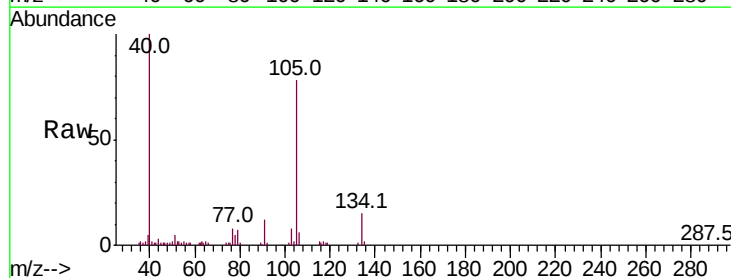
Manual Integrations
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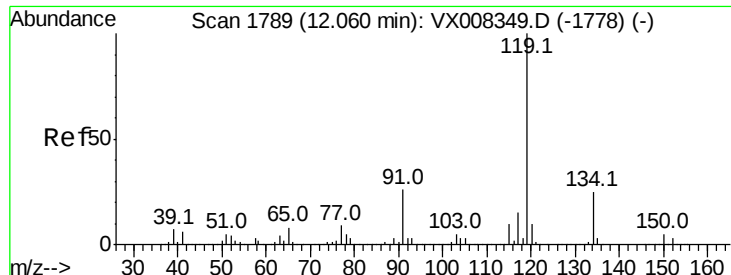
MMDadoda
 3/25/2019 11:16:33 AM



#85
 sec-Butylbenzene
 Concen: 0.881 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	10.4	31.2





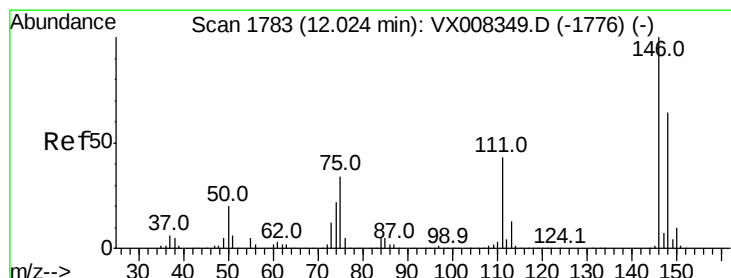
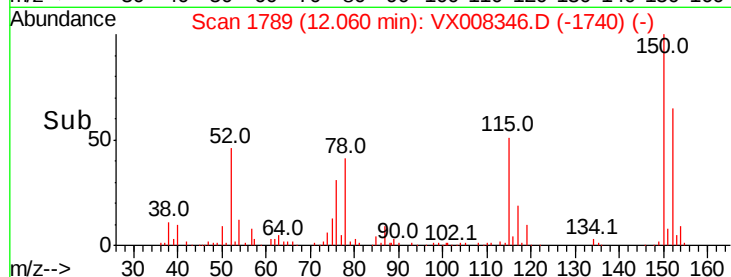
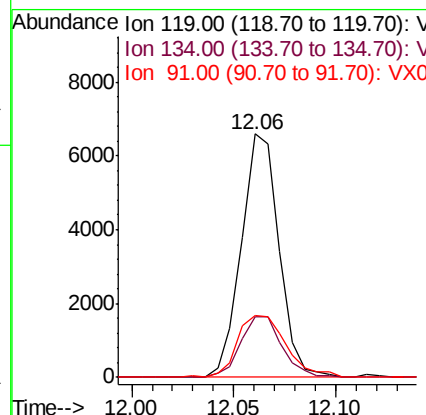
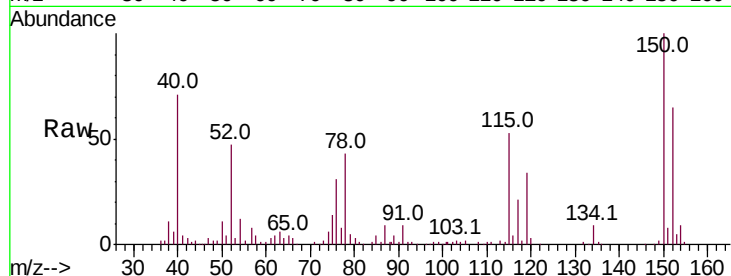
#86
p-Isopropyltoluene
Concen: 0.826 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	8458		
134	27.5		13.3	39.9
91	32.8		10.9	32.7#

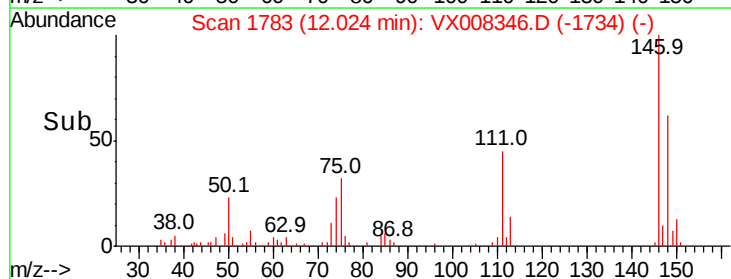
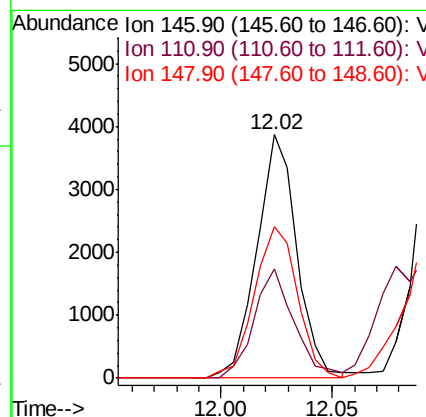
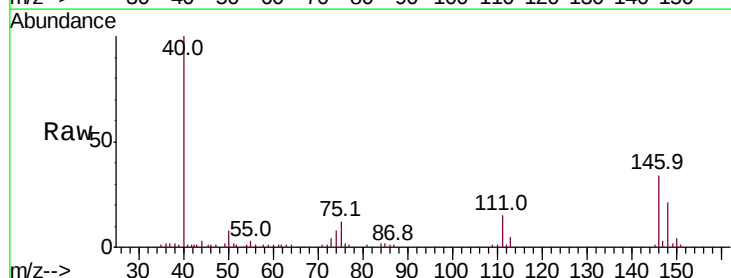
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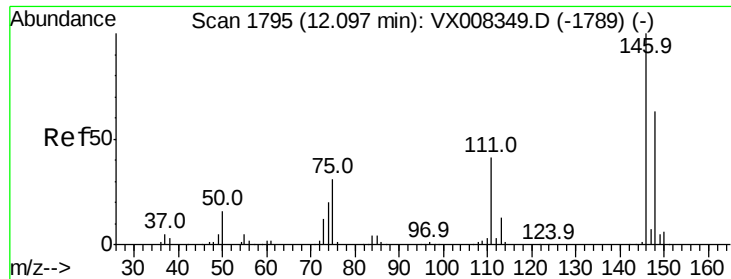
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#87
1,3-Dichlorobenzene
Concen: 0.926 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX008346.D
Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	4846		
111	45.3		18.9	56.7
148	67.2		31.7	95.1





#88

1,4-Dichlorobenzene

Concen: 0.956 ug/l m

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:146 Resp: 5178

Ion Ratio Lower Upper

146 100

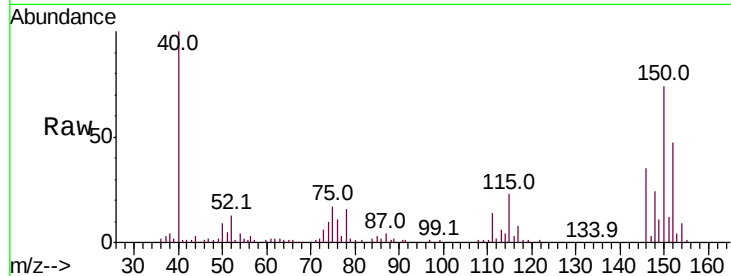
111 42.4 18.4 55.0

148 62.9 32.2 96.6

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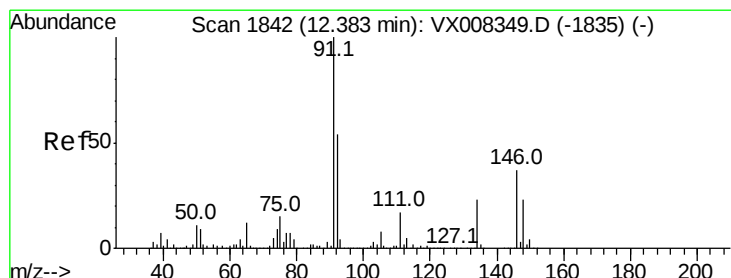
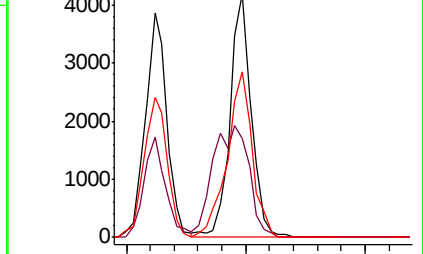
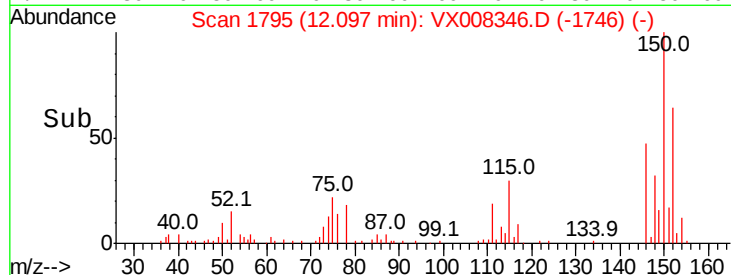


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.10



#89

n-Butylbenzene

Concen: 0.832 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

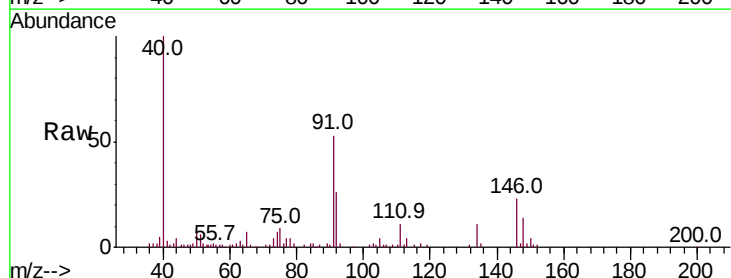
Tgt Ion: 91 Resp: 7999

Ion Ratio Lower Upper

91 100

92 50.1 27.0 80.8

134 21.8 13.7 41.0

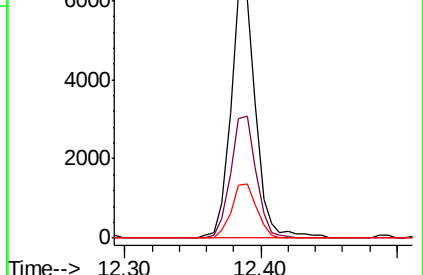
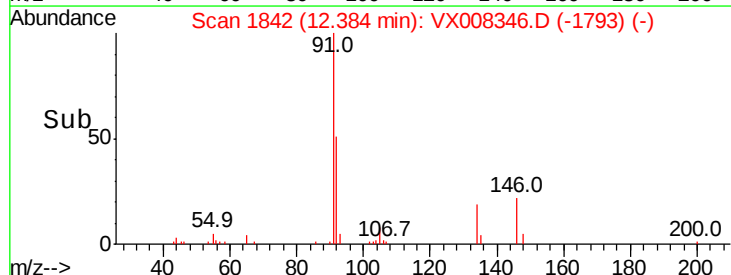


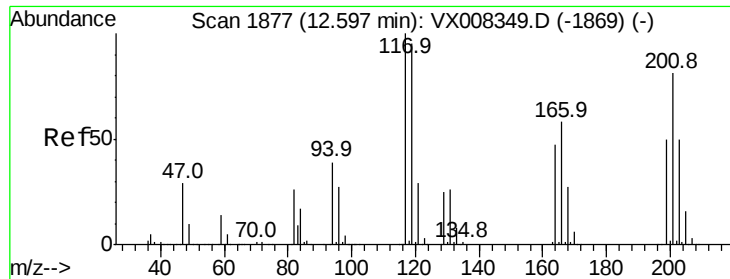
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

12.38





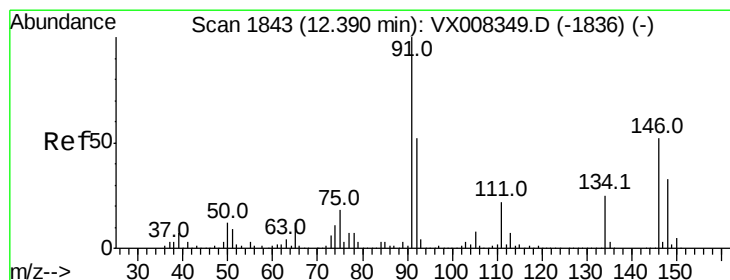
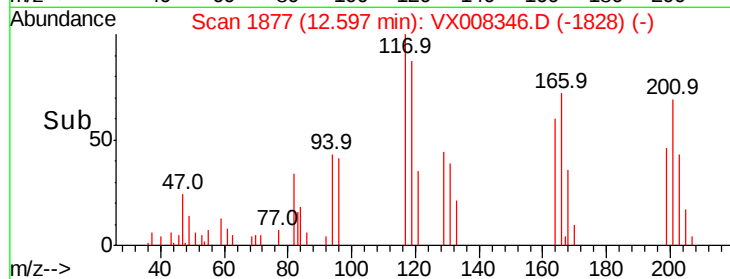
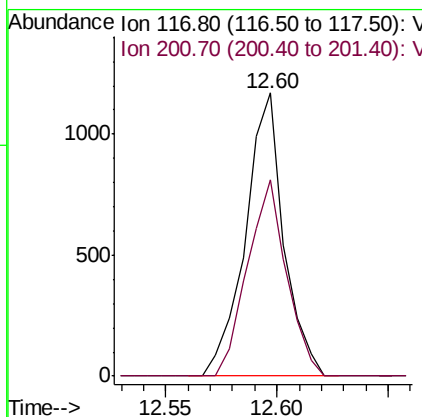
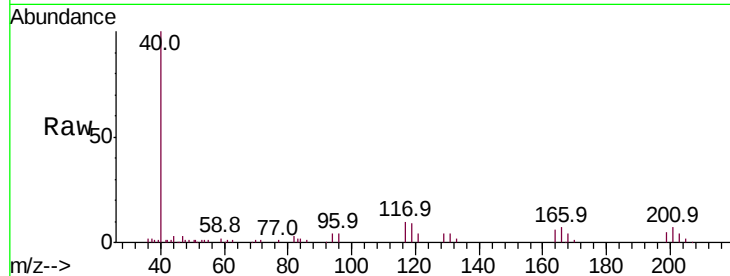
#90
 Hexachloroethane
 Concen: 0.809 ug/l
 RT: 12.60 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
201	70.1	48.9	146.7

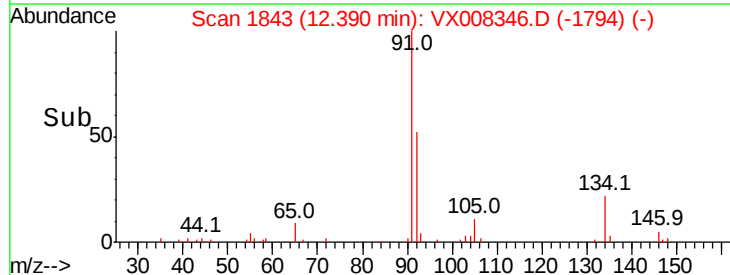
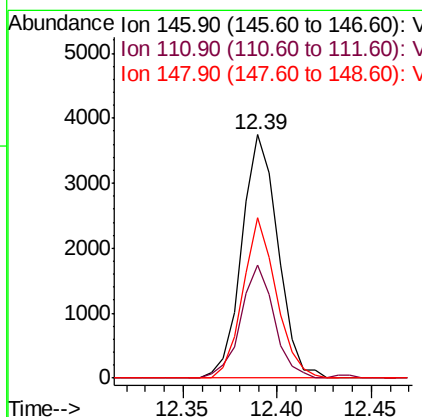
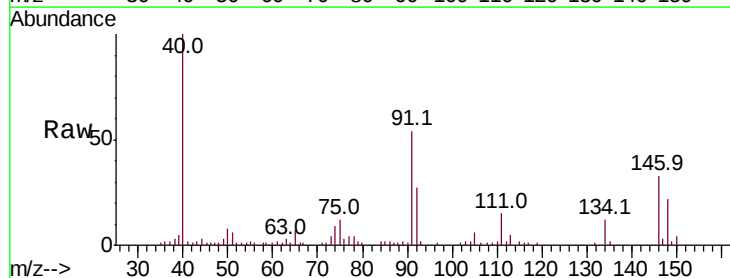
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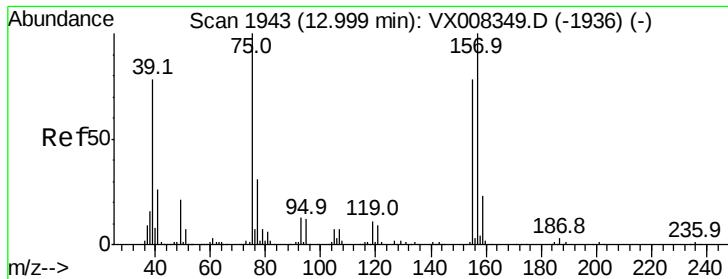
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#91
 1,2-Dichlorobenzene
 Concen: 0.942 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	19.6	58.8
148	61.3	31.9	95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.906 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 874

Ion Ratio Lower Upper

75 100

155 72.0 49.7 149.1

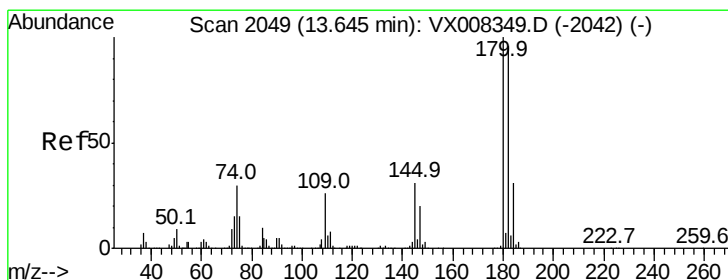
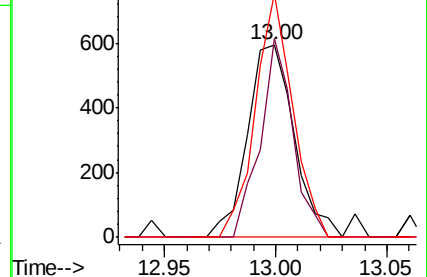
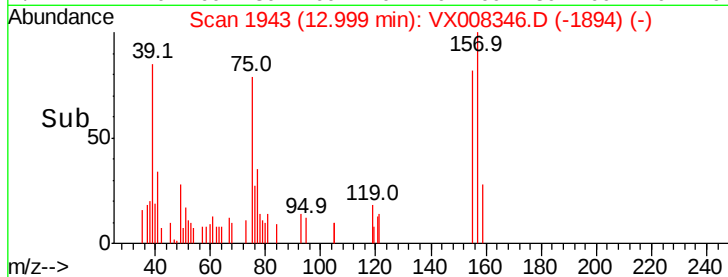
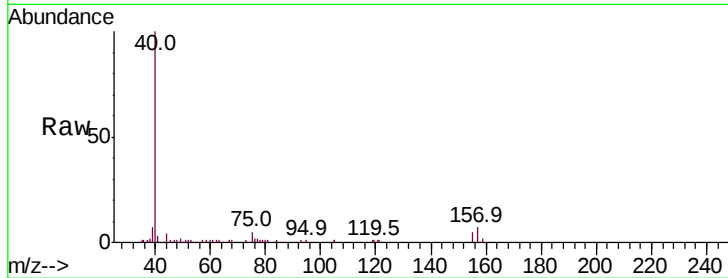
157 100.3 63.8 191.4

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#93

1,2,4-Trichlorobenzene

Concen: 0.961 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

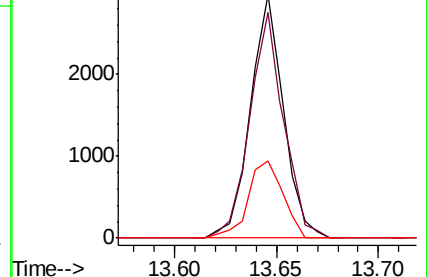
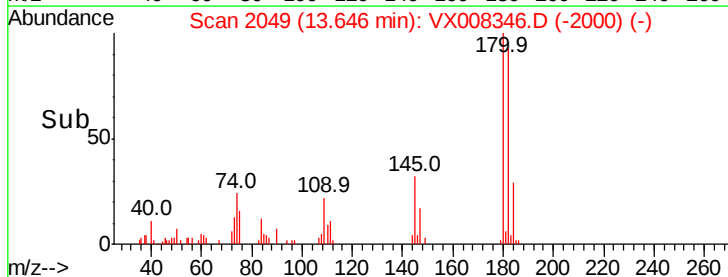
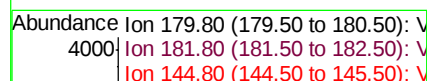
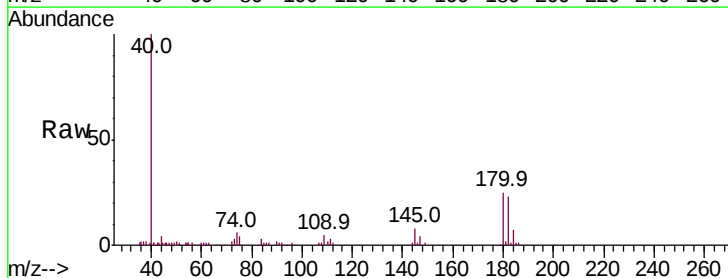
Tgt Ion:180 Resp: 3341

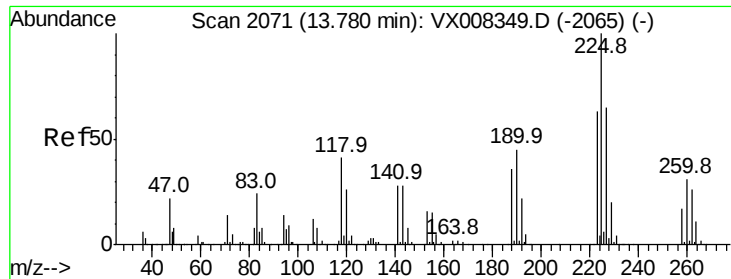
Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.7

145 33.5 14.1 42.4





#94

Hexachlorobutadiene

Concen: 0.885 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Instrument :

MSVOA_X

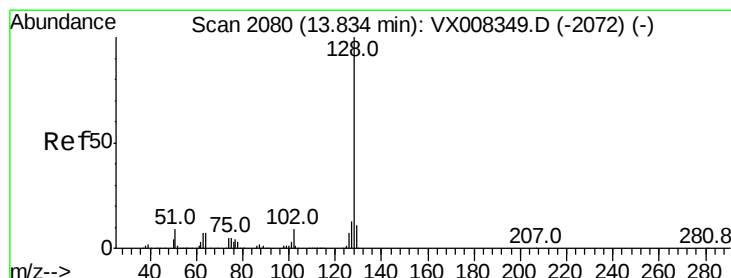
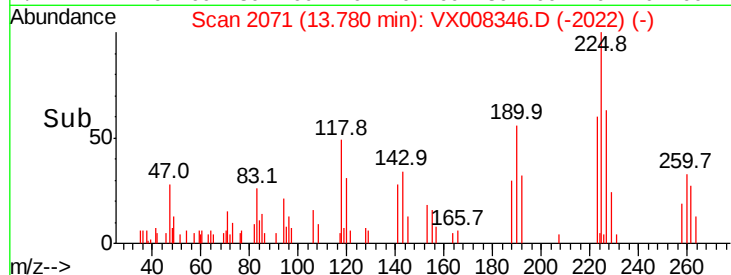
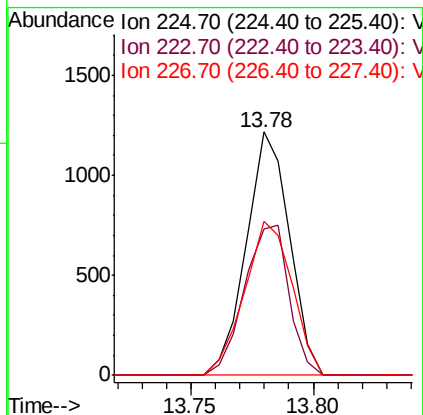
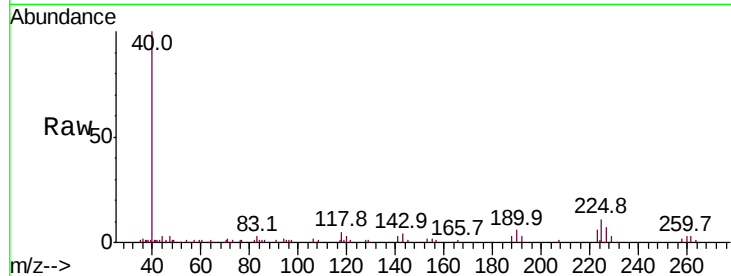
ClientSampled :

VSTDIC001

Tot Ion:	225	Resp:	1501
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.1	93.2
227	69.6	32.0	96.0

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#95

Naphthalene

Concen: 1.077 ug/l

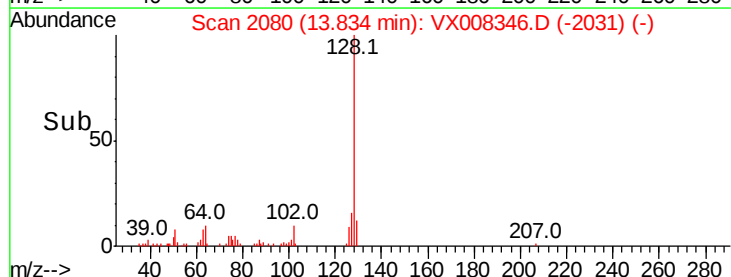
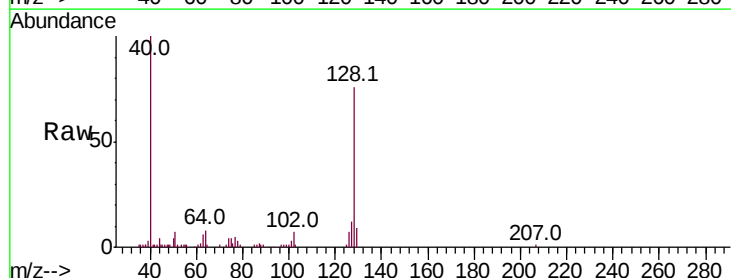
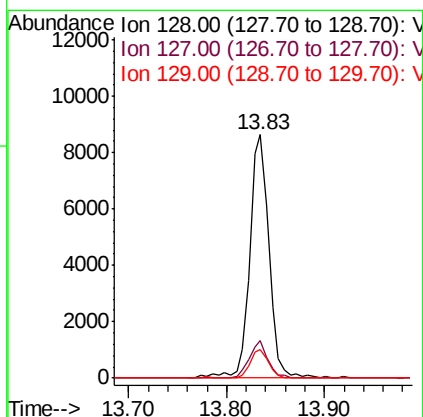
RT: 13.83 min Scan# 2080

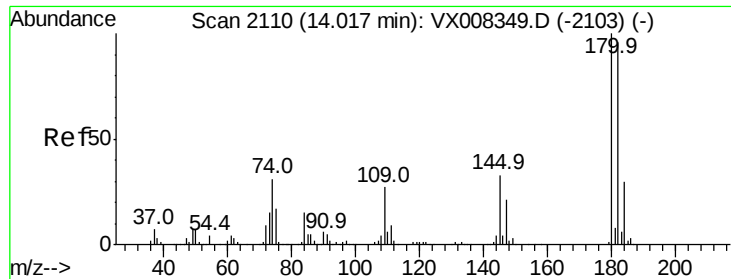
Delta R.T. 0.00 min

Lab File: VX008346.D

Acq: 23 Mar 2019 13:07

Tgt Ion:	128	Resp:	11820
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.3	15.5
129	11.1	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.991 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008346.D
 Acq: 23 Mar 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	47.5	142.5
145	33.1	14.8	44.3

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